

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025289.D
 Acq On : 10 Jul 2018 15:15
 Operator : MD/SY
 Sample : VU0710WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 5:05:53 PM

Quant Time: Jul 11 03:19:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	281459	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152529	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138020	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	4.89	113	111756	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	7.57	98	367408	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
62) 4-Bromofluorobenzene	10.31	95	150347	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	39085	19.95	ug/l	99
3) Chloromethane	1.33	50	41667	21.67	ug/l	100
4) Vinyl Chloride	1.40	62	43676	20.29	ug/l	99
5) Bromomethane	1.62	94	28355	22.90	ug/l	96
6) Chloroethane	1.70	64	28720	21.14	ug/l	99
7) Trichlorofluoromethane	1.89	101	70063	20.71	ug/l	98
8) Diethyl Ether	2.10	74	26417	20.80	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43834	20.90	ug/l	98
10) Methyl Iodide	2.41	142	43224	23.28	ug/l	98
11) Tert butyl alcohol	2.82	59	64823	101.03	ug/l	99
12) 1,1-Dichloroethene	2.28	96	38459	20.04	ug/l	97
13) Acrolein	2.19	56	29125	68.61	ug/l	98
14) Allyl chloride	2.59	41	67797	19.48	ug/l	99
15) Acrylonitrile	2.94	53	138069	104.66	ug/l	99
16) Acetone	2.32	43	148272	101.74	ug/l	99
17) Carbon Disulfide	2.48	76	101681	19.36	ug/l	99
18) Methyl Acetate	2.62	43	67710	22.48	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	156784	21.48	ug/l	99
20) Methylene Chloride	2.70	84	49316	22.07	ug/l	89
21) trans-1,2-Dichloroethene	2.99	96	42042	19.17	ug/l	98
22) Diisopropyl ether	3.57	45	150295	21.15	ug/l	99
23) Vinyl Acetate	3.53	43	661338	106.07	ug/l	99
24) 1,1-Dichloroethane	3.45	63	85909	21.43	ug/l	99
25) 2-Butanone	4.27	43	208471	102.26	ug/l	100
26) 2,2-Dichloropropane	4.23	77	79848	20.72	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	50792	20.02	ug/l	96
28) Bromochloromethane	4.55	49	41093	21.23	ug/l	99
29) Tetrahydrofuran	4.64	42	126524	103.47	ug/l	99
30) Chloroform	4.68	83	90949	21.43	ug/l	99
31) Cyclohexane	5.00	56	75999	20.90	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	82548	21.46	ug/l	99
36) 1,1-Dichloropropene	5.14	75	61682	19.71	ug/l	97
37) Ethyl Acetate	4.38	43	74631	21.39	ug/l	98
38) Carbon Tetrachloride	5.14	117	71344	21.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	77046	19.74	ug/l	97
40) Benzene	5.39	78	185761	20.60	ug/l	99
41) Methacrylonitrile	4.54	41	42104	21.76	ug/l	97
42) 1,2-Dichloroethane	5.41	62	77011	21.48	ug/l	100
43) Isopropyl Acetate	5.55	43	118258	21.16	ug/l	99
44) Trichloroethene	6.19	130	50970	19.69	ug/l	97
45) 1,2-Dichloropropane	6.44	63	50393	21.34	ug/l	98
46) Dibromomethane	6.56	93	35923	20.90	ug/l	98
47) Bromodichloromethane	6.76	83	68691	21.51	ug/l	100
48) Methyl methacrylate	6.63	41	57757	20.73	ug/l	95
49) 1,4-Dioxane	6.61	88	27531	410.70	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	383275	105.52	ug/l	100
52) Toluene	7.64	92	120236	20.96	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	72595	20.69	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	76101	20.38	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	49692	20.80	ug/l	98
56) Ethyl methacrylate	8.02	69	79518	21.31	ug/l	99
57) 1,3-Dichloropropane	8.25	76	84131	21.21	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	142425	85.42	ug/l	100
59) 2-Hexanone	8.36	43	299694	101.72	ug/l	99
60) Dibromochloromethane	8.48	129	54383	21.08	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54305	21.24	ug/l	99
64) Tetrachloroethene	8.23	164	49609	20.36	ug/l	97
65) Chlorobenzene	9.12	112	135820	20.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51573	21.59	ug/l	98
67) Ethyl Benzene	9.25	91	234056	20.56	ug/l	100
68) m/p-Xylenes	9.38	106	181165	41.17	ug/l	98
69) o-Xylene	9.78	106	91356	20.74	ug/l	95
70) Styrene	9.80	104	146155	20.88	ug/l	99
71) Bromoform	9.96	173	42543	21.33	ug/l #	99
73) Isopropylbenzene	10.17	105	243341	20.88	ug/l	99
74) N-amyl acetate	10.01	43	100794	21.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	82658	21.68	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	75138m	24.33	ug/l	
77) Bromobenzene	10.46	156	61561	20.65	ug/l	97
78) n-propylbenzene	10.59	91	267429	20.68	ug/l	99
79) 2-Chlorotoluene	10.66	91	166164	22.46	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	208255	21.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	24722m	20.34	ug/l	
82) 4-Chlorotoluene	10.78	91	186531	20.37	ug/l	100
83) tert-Butylbenzene	11.10	119	210275	21.22	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	208723	20.77	ug/l	100
85) sec-Butylbenzene	11.33	105	243253	20.85	ug/l	99
86) p-Isopropyltoluene	11.48	119	211741	20.50	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	109153	20.03	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109066	21.37	ug/l	97
89) n-Butylbenzene	11.89	91	163309	19.23	ug/l	99
90) Hexachloroethane	12.15	117	35993	20.58	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	115977	21.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19631	21.23	ug/l	97

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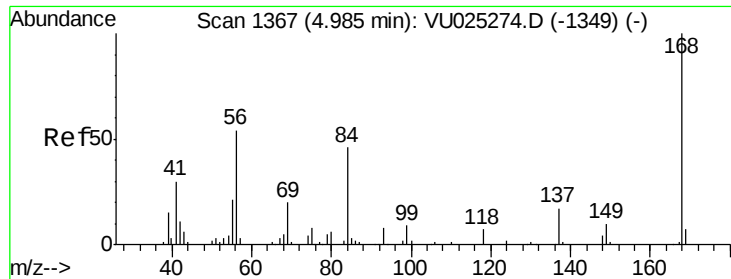
Manual Integrations
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7/11/2018 5:05:53 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	62048	19.02	ug/l	98
94) Hexachlorobutadiene	13.70	225	37061	18.83	ug/l	99
95) Naphthalene	13.75	128	202989	19.66	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69581	20.19	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion:168 Resp: 189314

Ion Ratio Lower Upper

168 100

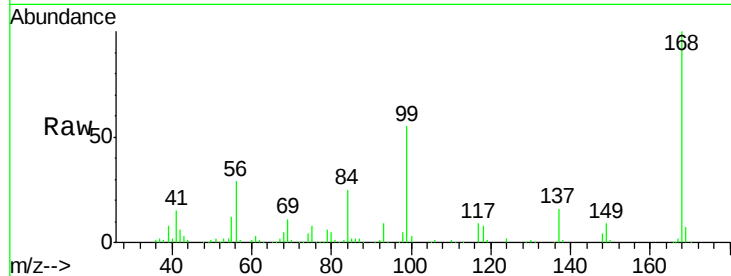
99 54.8 42.8 64.2

Manual Integrations

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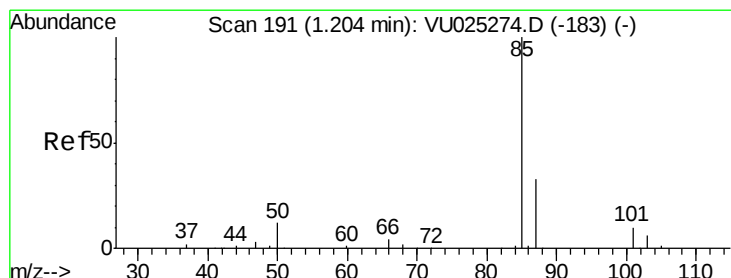
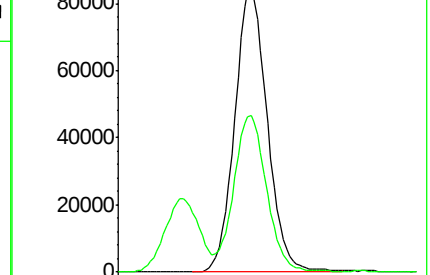
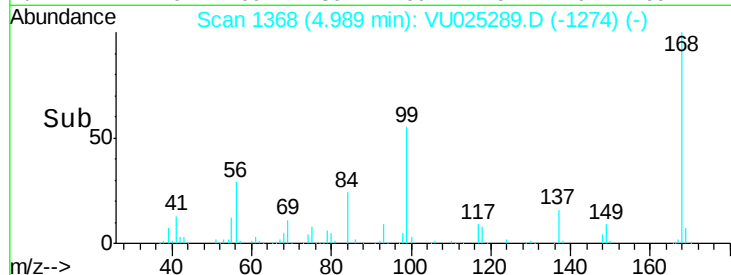
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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

Time-->



#2

Dichlorodifluoromethane

Concen: 19.95 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025289.D

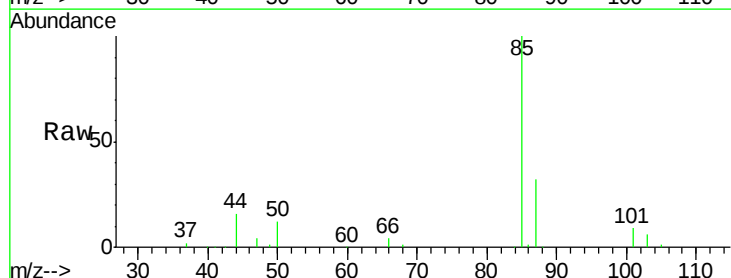
Acq: 10 Jul 2018 15:15

Tgt Ion: 85 Resp: 39085

Ion Ratio Lower Upper

85 100

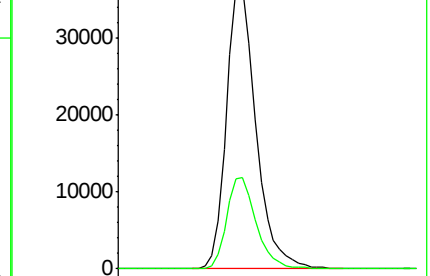
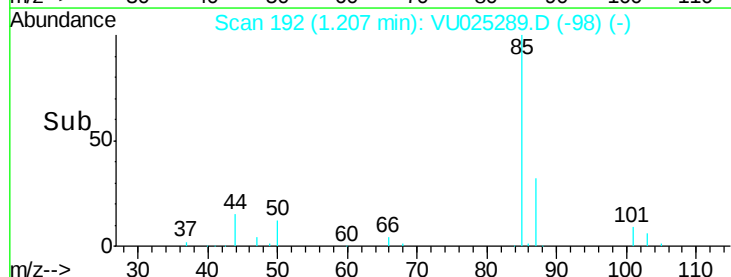
87 32.4 16.5 49.5

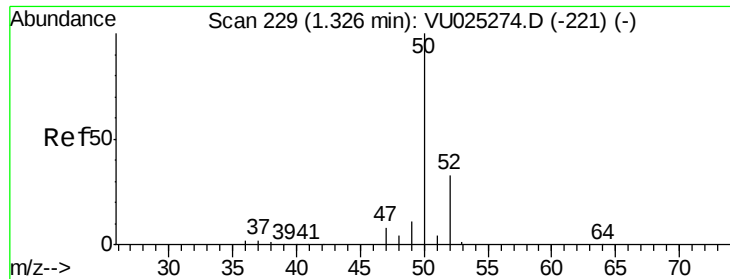


Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

Time-->





#3

Chloromethane

Concen: 21.67 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tot Ion: 50 Resp: 41667

Ion Ratio Lower Upper

50 100

52 33.2 26.5 39.7

Instrument :

MSVOA_U

ClientSampleId :

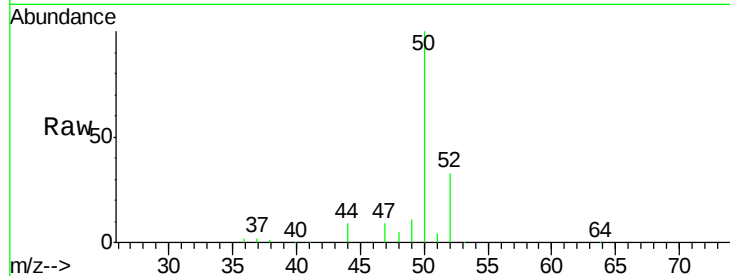
VU0710WBS01

Manual Integrations

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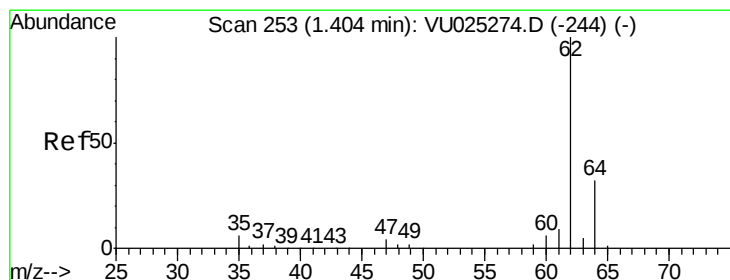
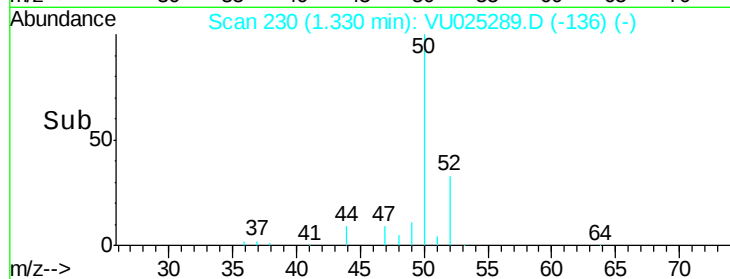
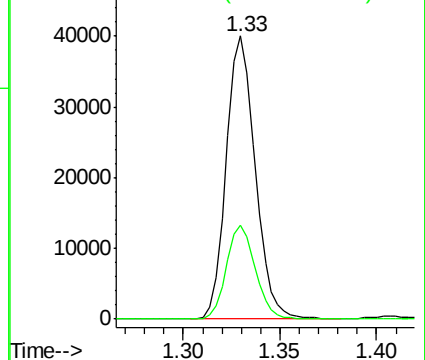
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.29 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025289.D

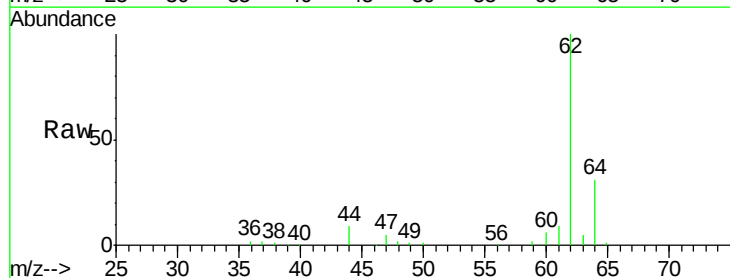
Acq: 10 Jul 2018 15:15

Tgt Ion: 62 Resp: 43676

Ion Ratio Lower Upper

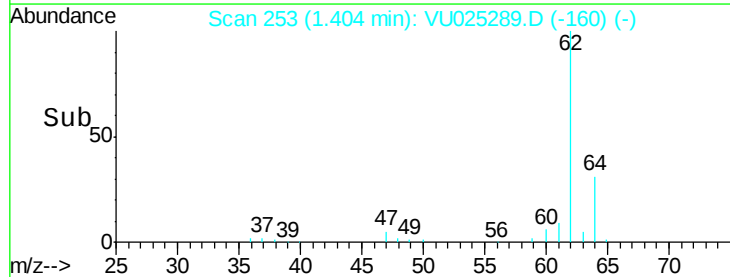
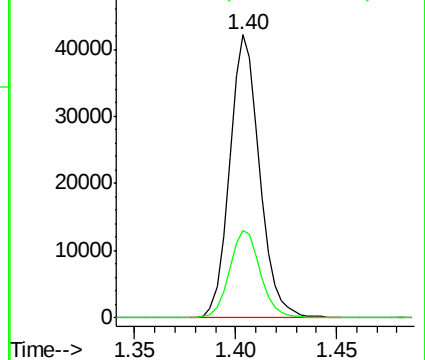
62 100

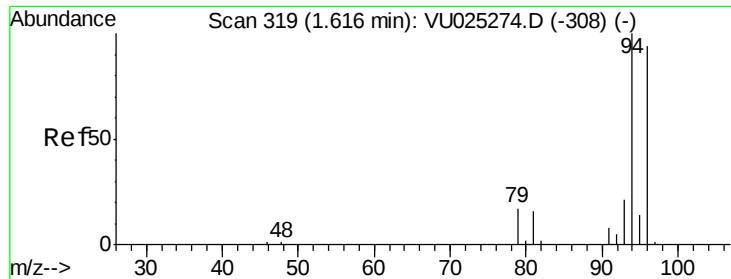
64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 22.90 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion: 94 Resp: 28355

Ion Ratio Lower Upper

94 100

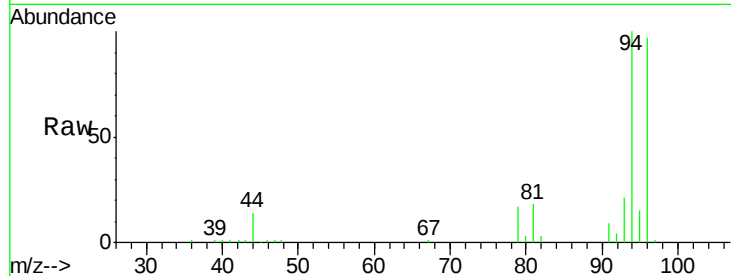
96 97.2 75.0 112.4

Manual Integrations

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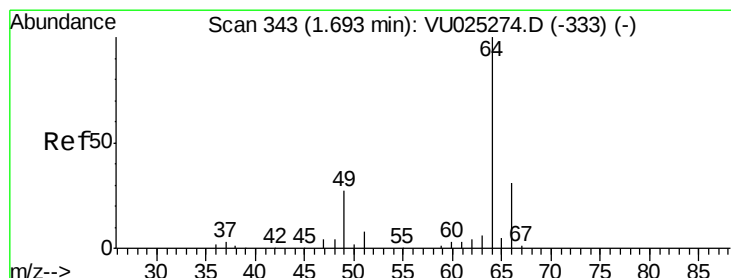
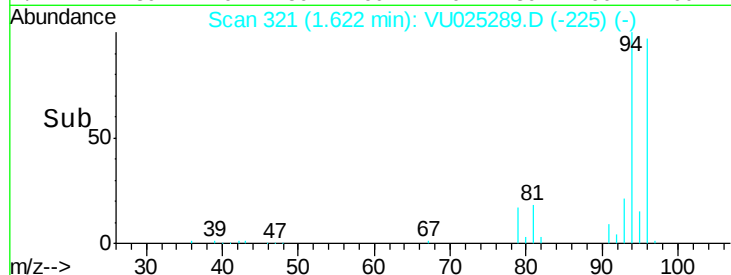
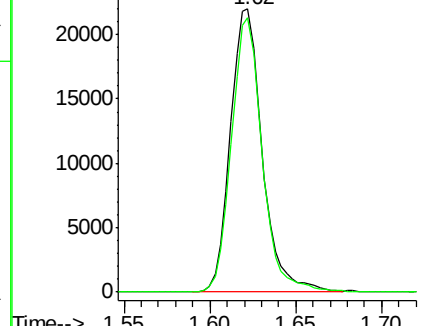
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.14 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025289.D

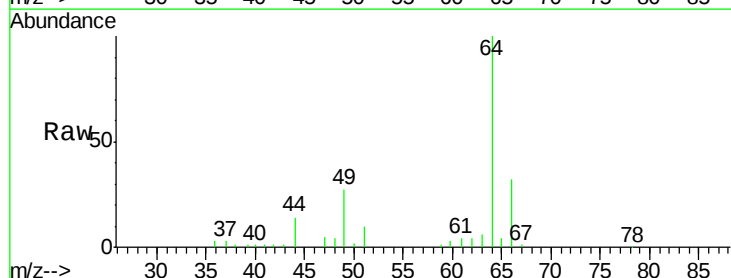
Acq: 10 Jul 2018 15:15

Tgt Ion: 64 Resp: 28720

Ion Ratio Lower Upper

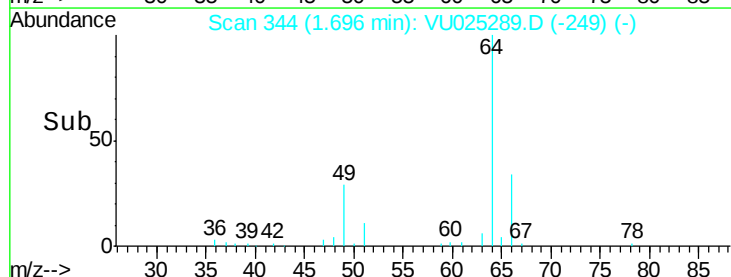
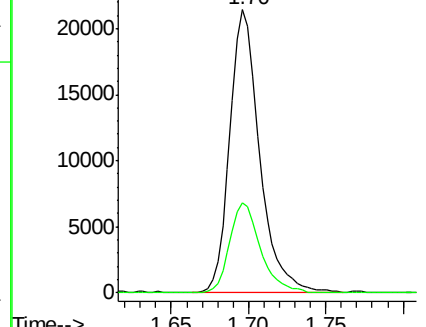
64 100

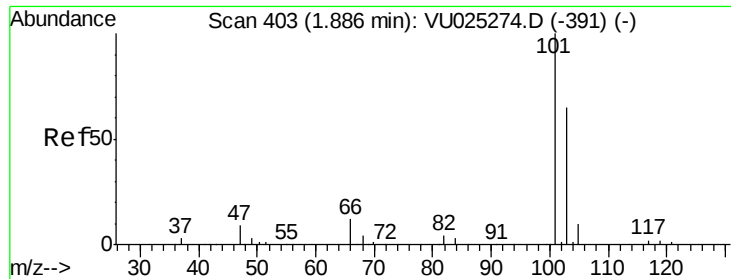
66 31.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

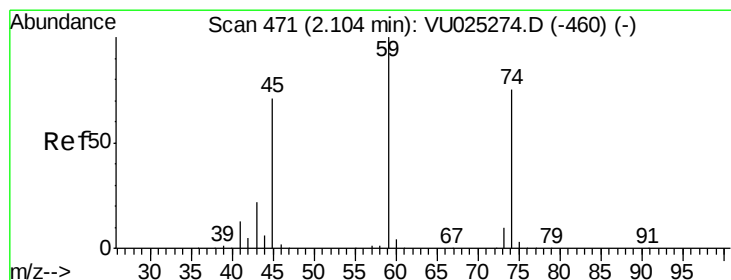
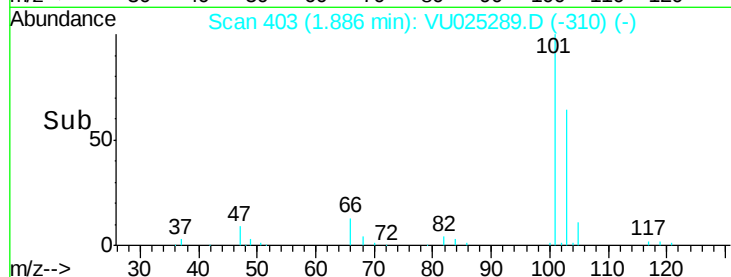
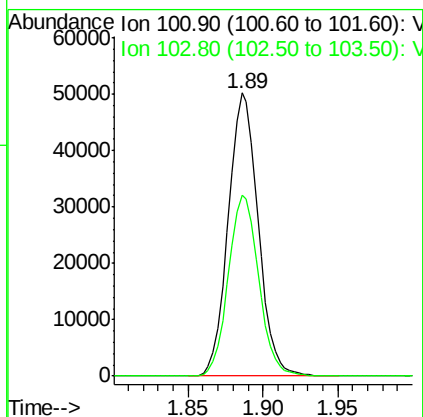
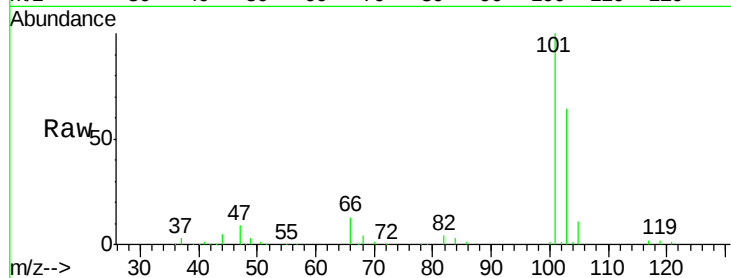
Trichlorofluoromethane
 Concen: 20.71 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Instrument :
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 ClientSampleId :
 VU0710WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.2

Manual Integrations
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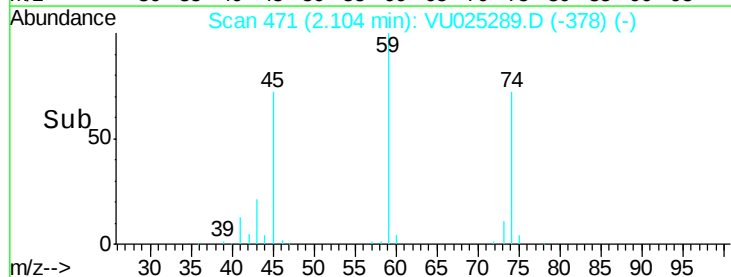
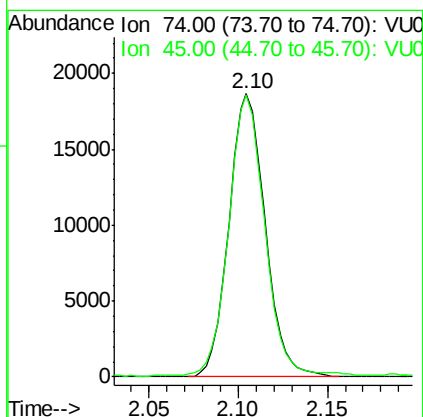
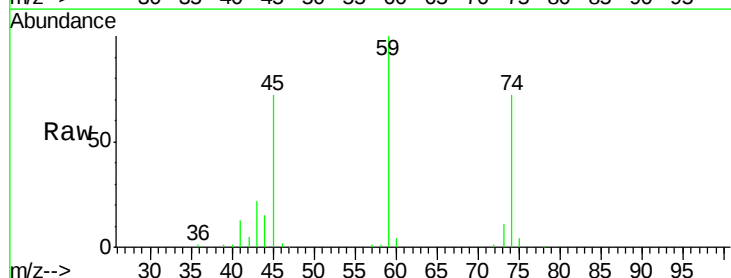
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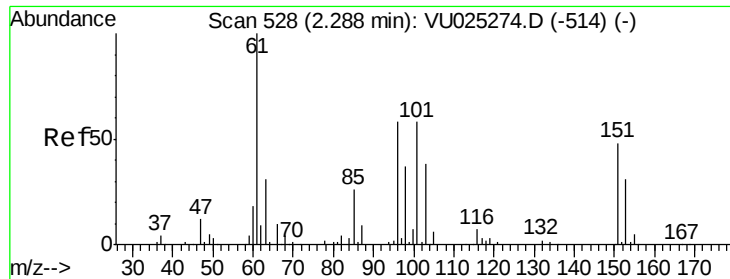


#8

Diethyl Ether
 Concen: 20.80 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	48.3	144.9





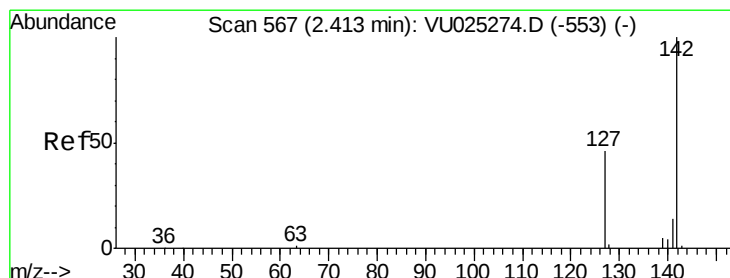
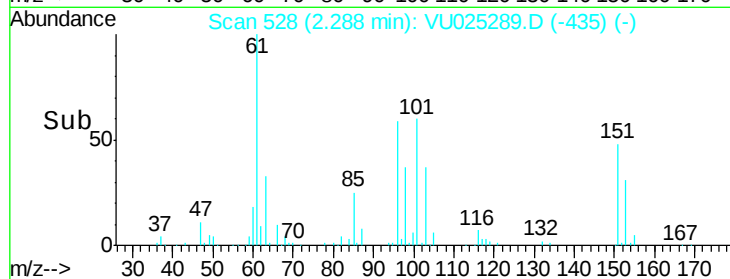
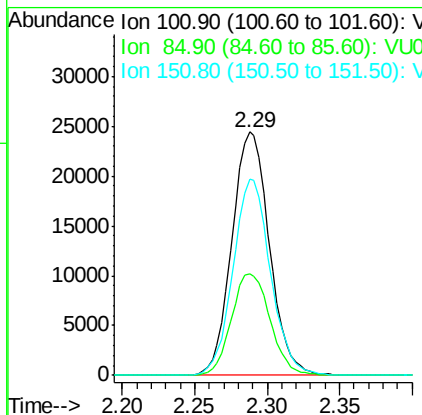
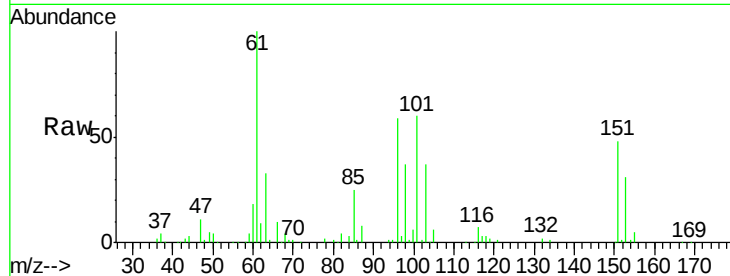
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.90 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	36.0	54.0
151	80.6	65.6	98.4

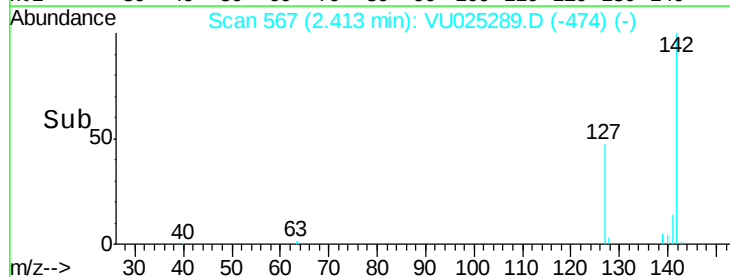
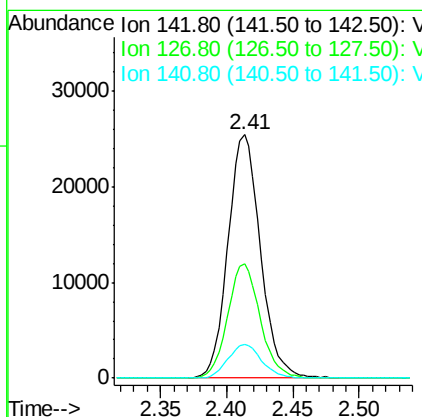
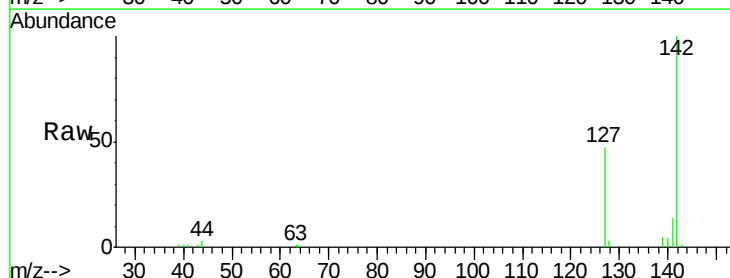
Manual Integrations
APPROVED

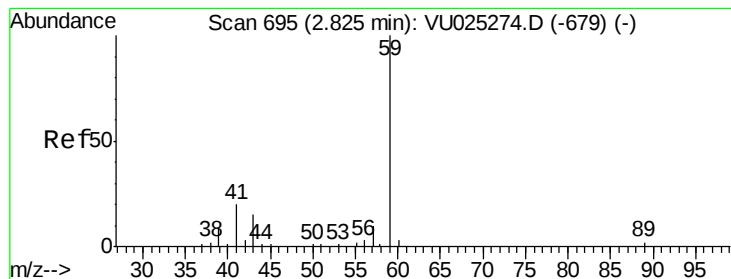
MMDadoda
7/11/2018 5:05:53 PM



#10
Methyl Iodide
Concen: 23.28 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.9	36.5	54.7
141	14.4	11.4	17.2





#11

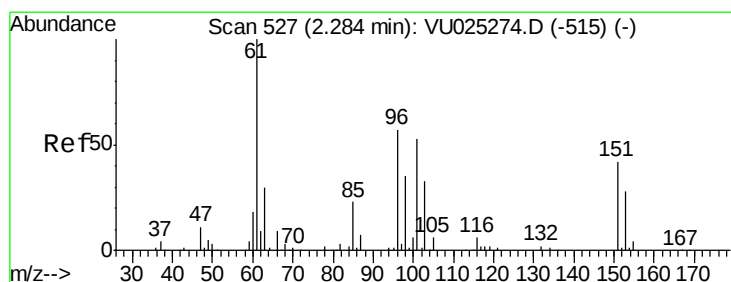
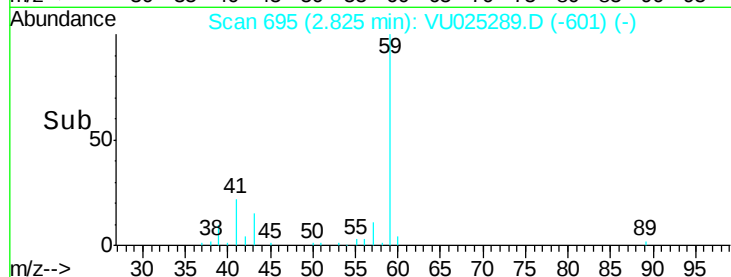
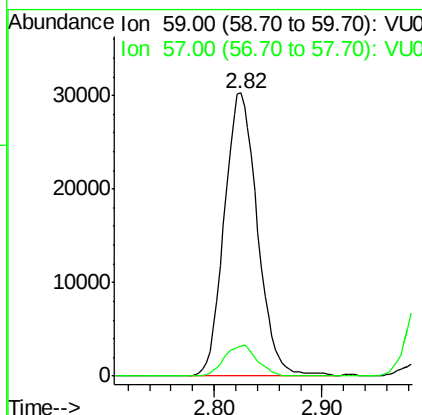
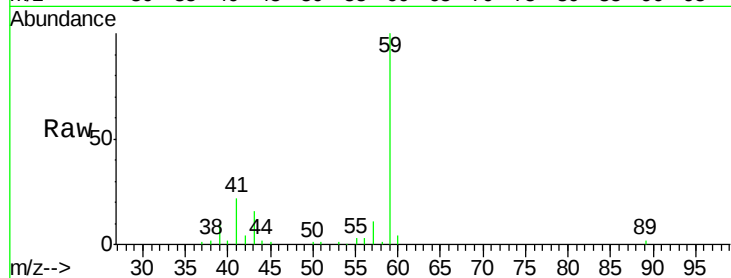
Tert butyl alcohol
Concen: 101.03 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

Manual Integrations
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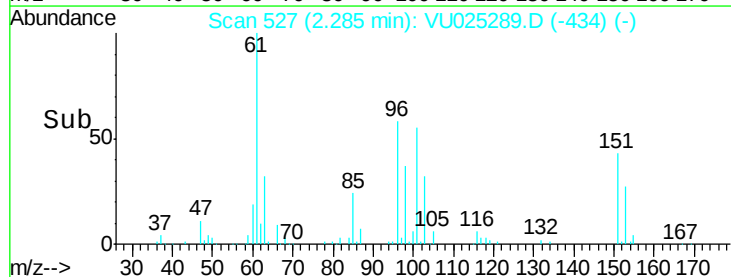
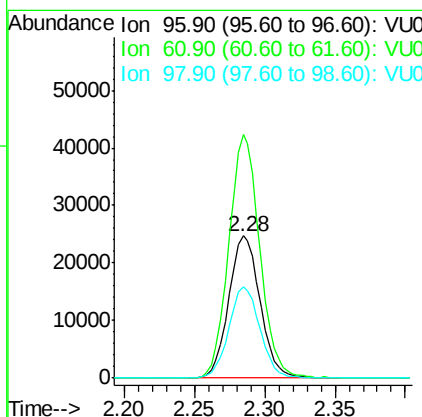
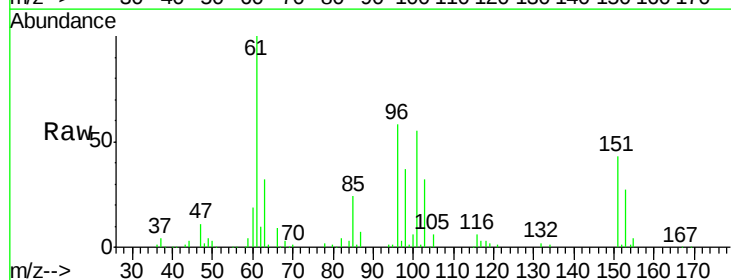
MMDadoda
7/11/2018 5:05:53 PM

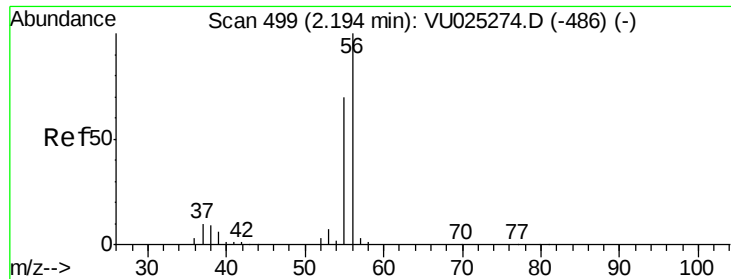


#12

1,1-Dichloroethene
Concen: 20.04 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.9	140.2	210.4
98	63.8	49.3	73.9





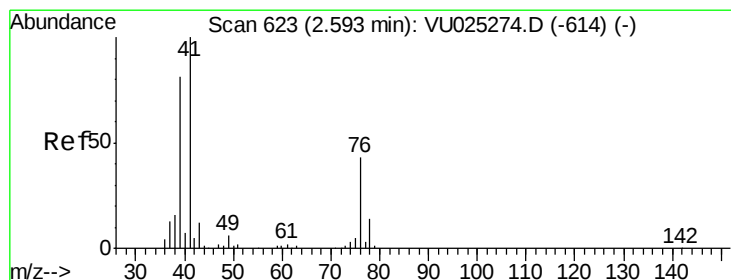
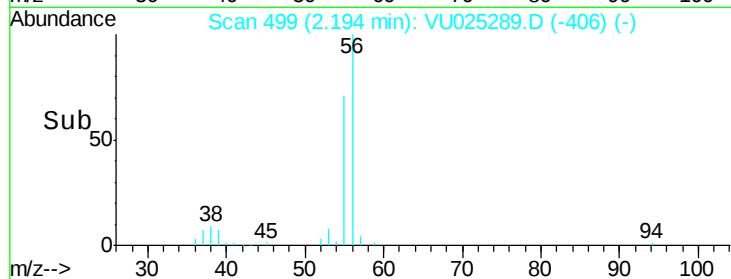
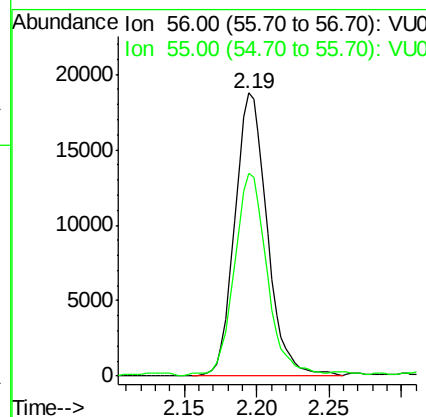
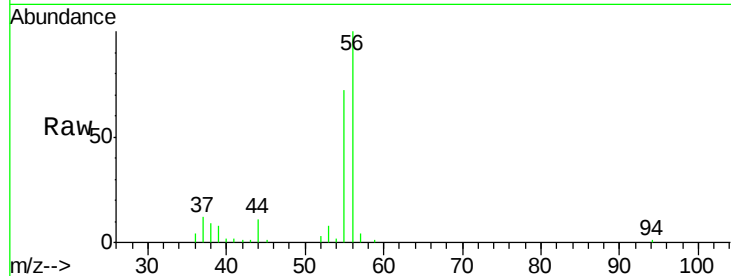
#13
Acrolein
Concen: 68.61 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	56	55	Ratio	100	72.9	Resp	29125	Lower	57.2	Upper	85.8
Ion											

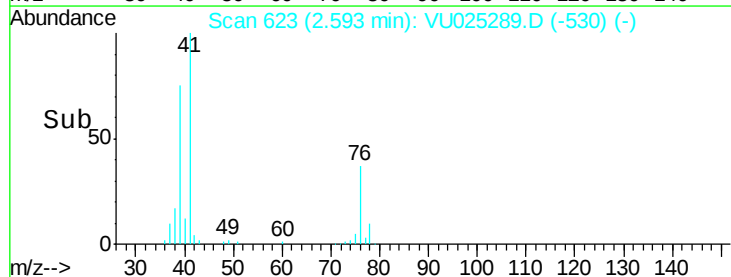
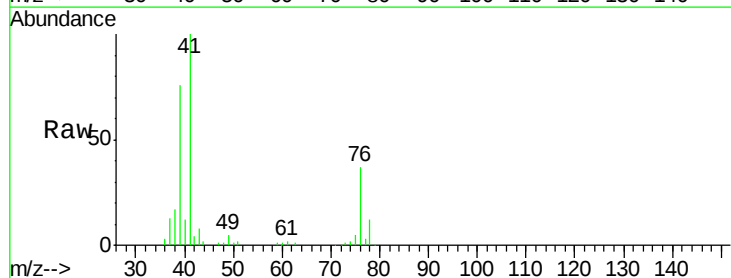
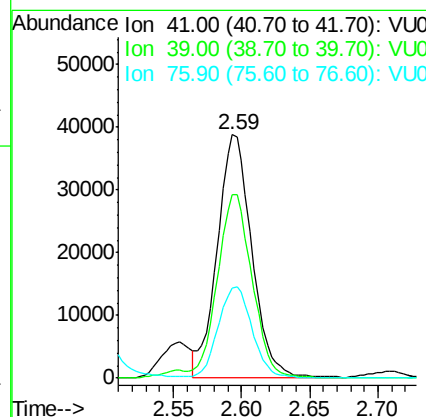
Manual Integrations
APPROVED

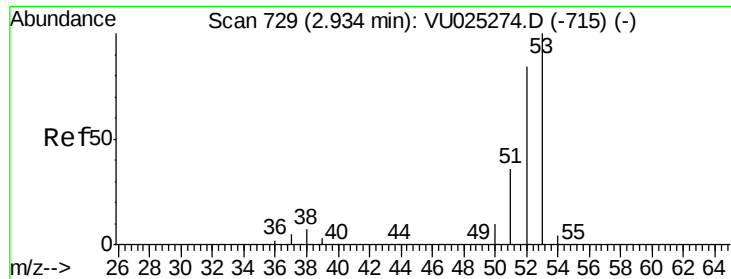
MMDadoda
7/11/2018 5:05:53 PM



#14
Allyl chloride
Concen: 19.48 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	41	39	76	Ratio	100	75.7	37.2	Resp	67797	Lower	60.6	Upper	91.0	45.7
Ion														





#15

Acrylonitrile

Concen: 104.66 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

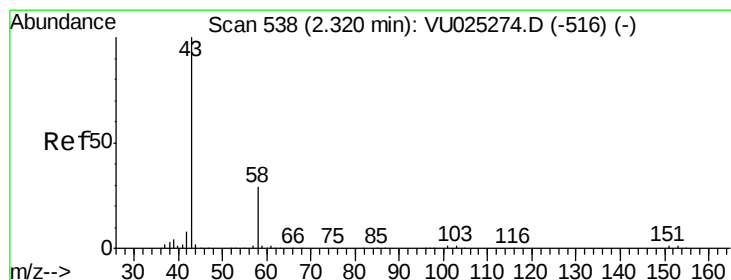
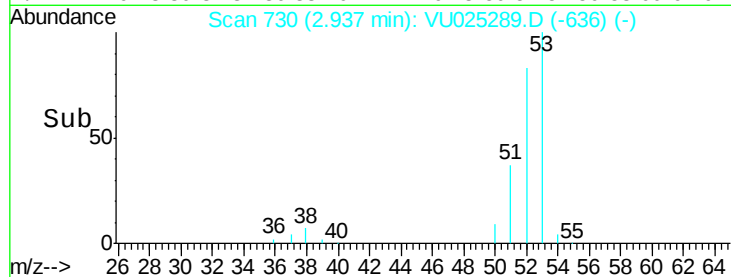
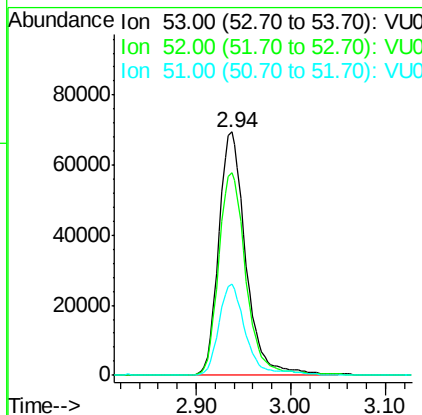
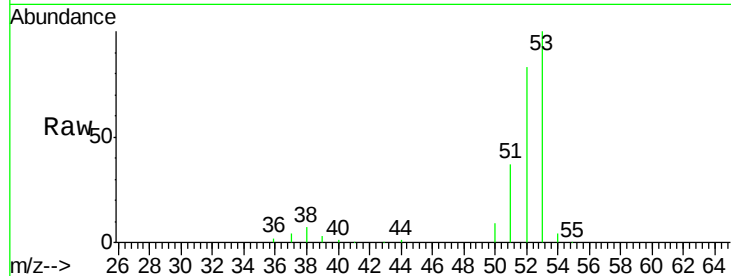
ClientSampleId :

VU0710WBS01

Tot Ion:	53	Resp:	138069
Ion Ratio		Lower	Upper
53	100		
52	83.9	66.6	99.8
51	35.8	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 101.74 ug/l

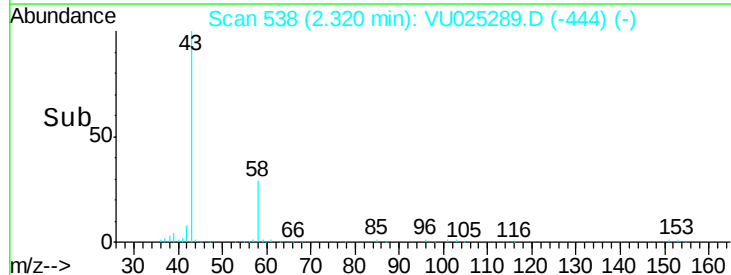
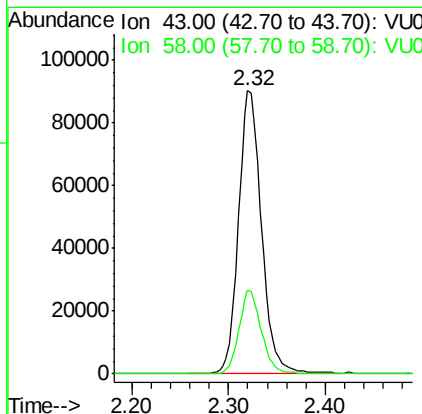
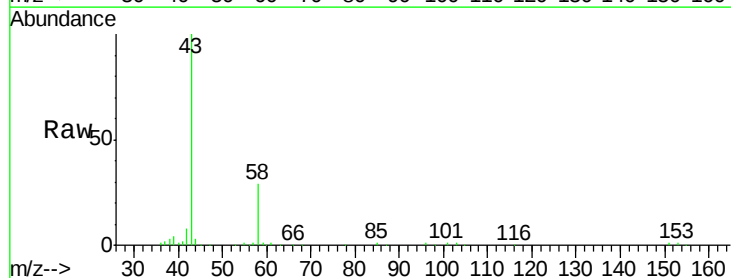
RT: 2.32 min Scan# 538

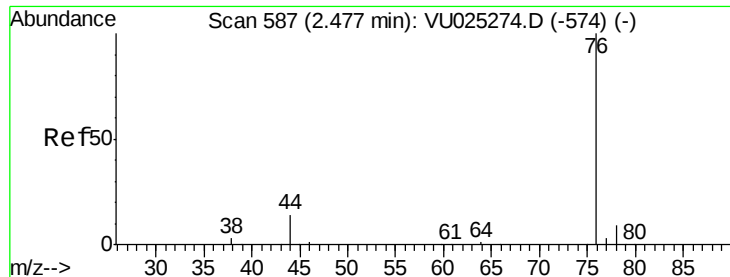
Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion:	43	Resp:	148272
Ion Ratio		Lower	Upper
43	100		
58	29.5	23.1	34.7





#17

Carbon Disulfide

Concen: 19.36 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tot Ion: 76 Resp: 101681

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

Instrument :

MSVOA_U

ClientSampleId :

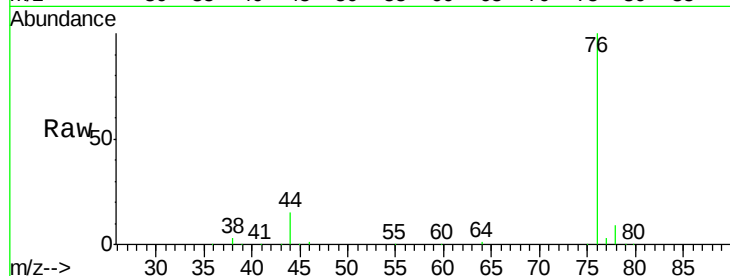
VU0710WBS01

Manual Integrations

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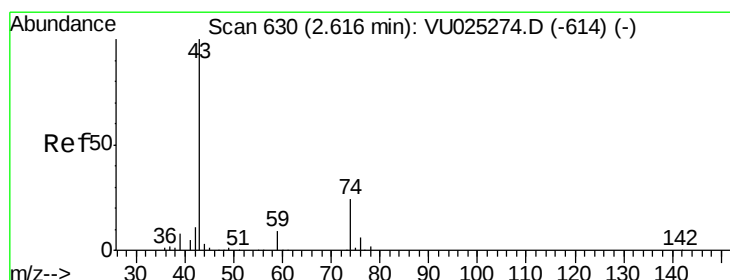
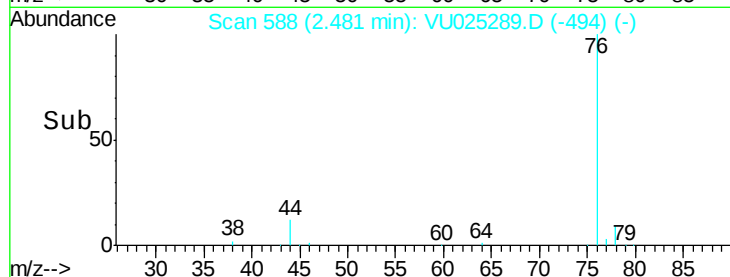
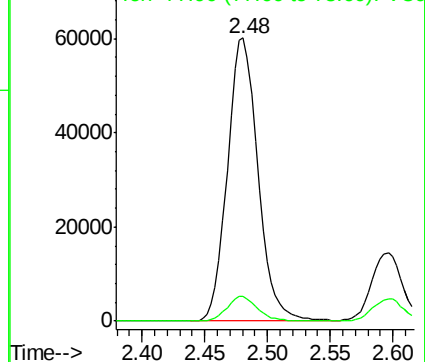
MMDadoda

7/11/2018 5:05:53 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 22.48 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025289.D

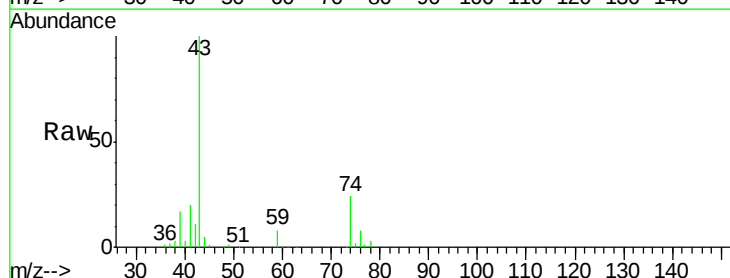
Acq: 10 Jul 2018 15:15

Tgt Ion: 43 Resp: 67710

Ion Ratio Lower Upper

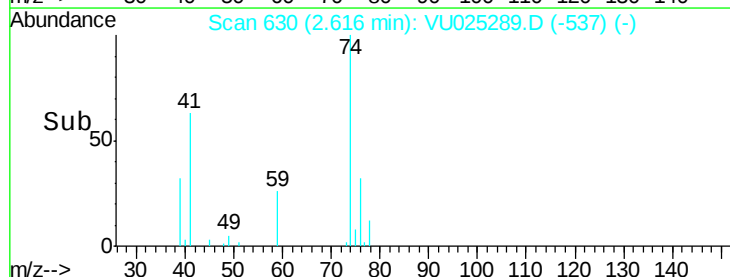
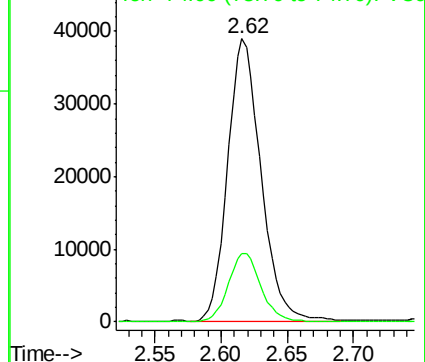
43 100

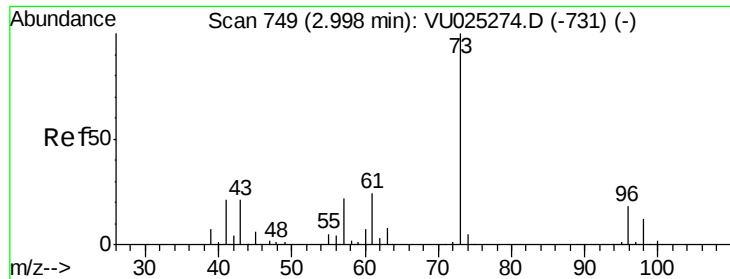
74 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





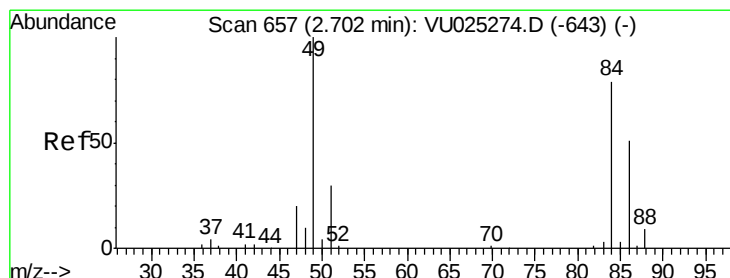
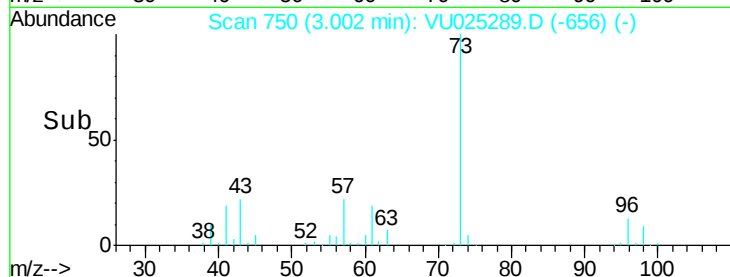
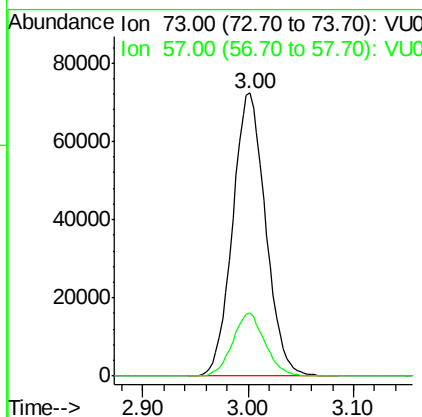
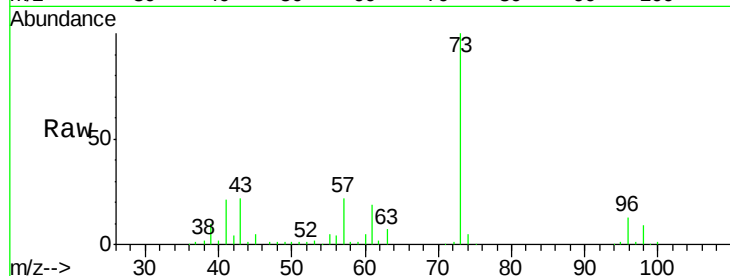
#19
Methvl tert-butvl Ether
Concen: 21.48 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion: 73 Resp: 156784
Ion Ratio Lower Upper
73 100
57 22.5 17.4 26.2

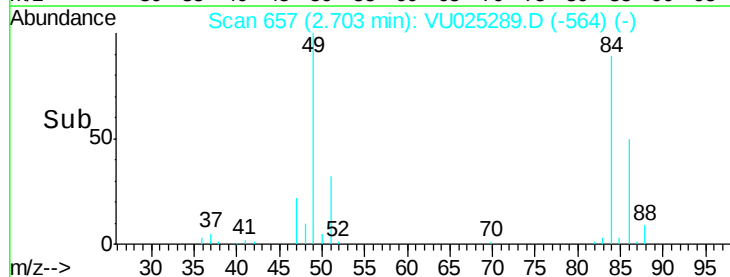
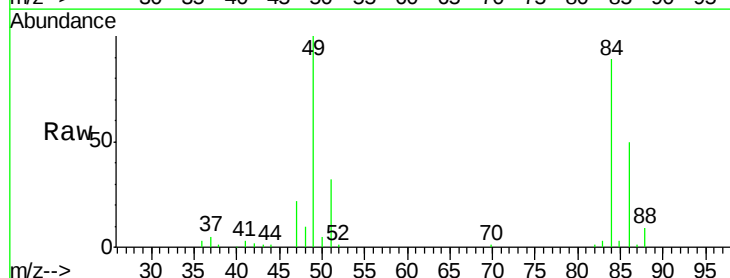
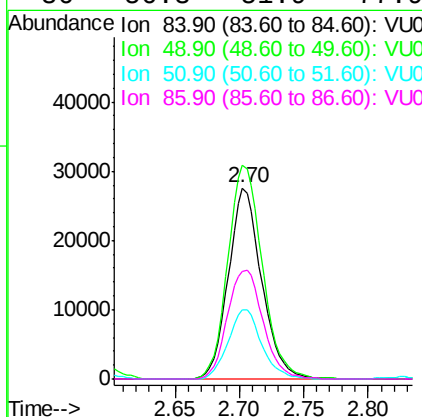
Manual Integrations
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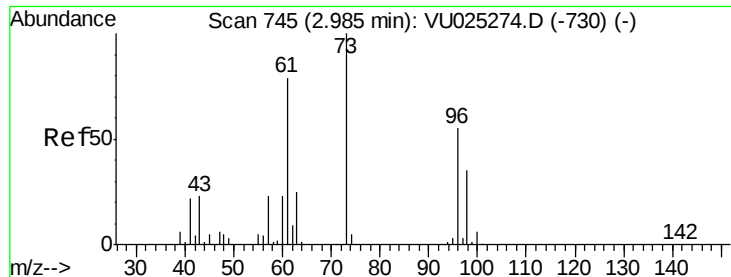
MMDadoda
7/11/2018 5:05:53 PM



#20
Methylene Chloride
Concen: 22.07 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion: 84 Resp: 49316
Ion Ratio Lower Upper
84 100
49 111.9 101.8 152.6
51 36.1 30.8 46.2
86 56.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.17 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

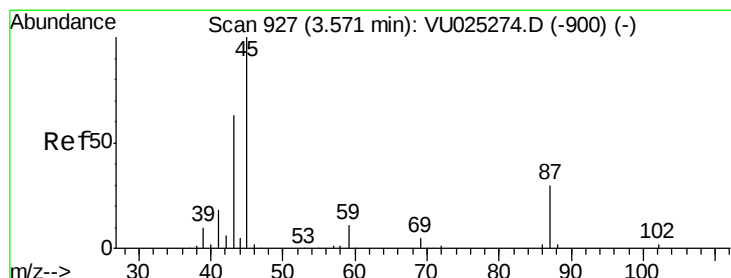
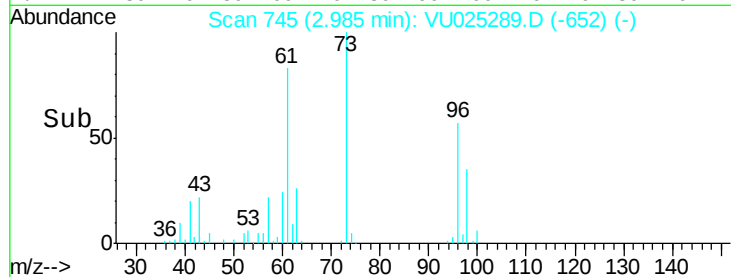
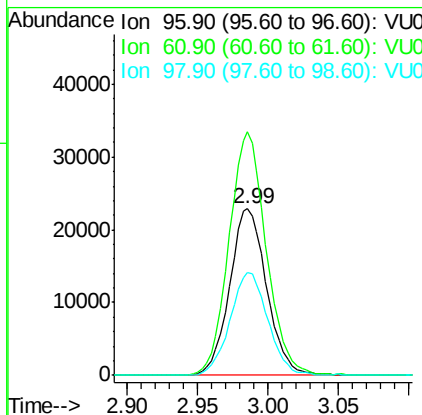
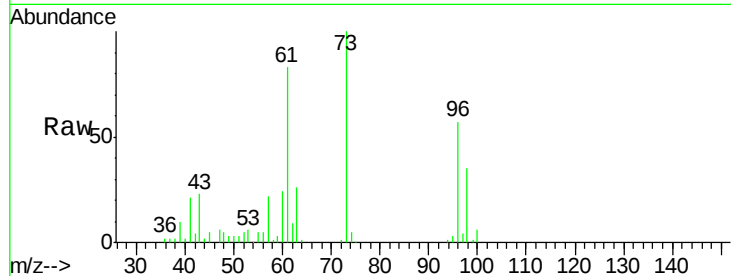
ClientSampleId :

VU0710WBS01

Tot Ion:	96	Resp:	42042
Ion	Ratio	Lower	Upper
96	100		
61	145.5	114.5	171.7
98	61.9	50.5	75.7

Manual Integrations
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7/11/2018 5:05:53 PM



#22

Diisopropyl ether

Concen: 21.15 ug/l

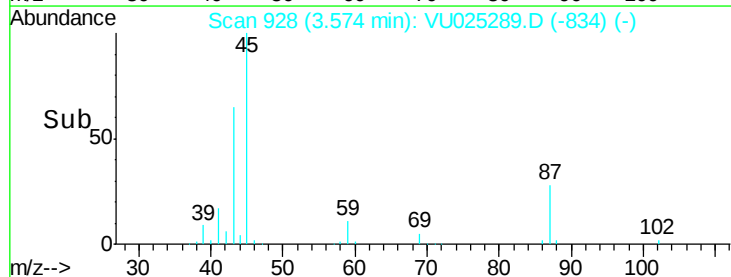
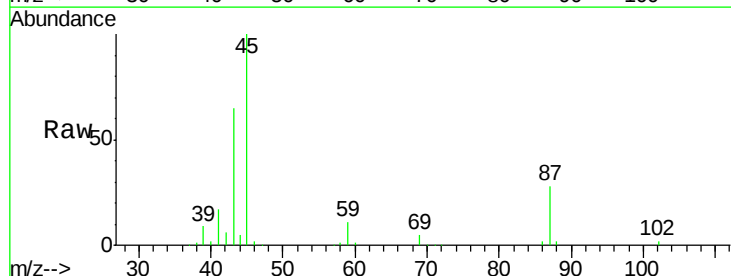
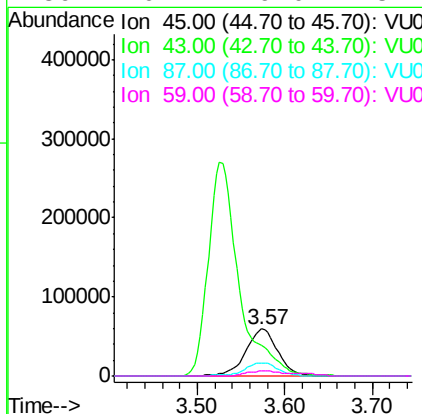
RT: 3.57 min Scan# 928

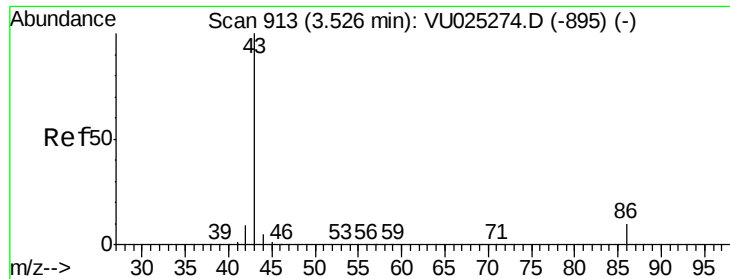
Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion:	45	Resp:	150295
Ion	Ratio	Lower	Upper
45	100		
43	63.4	50.9	76.3
87	28.2	23.8	35.8
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 106.07 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion: 43 Resp: 661338

Ion Ratio Lower Upper

43 100

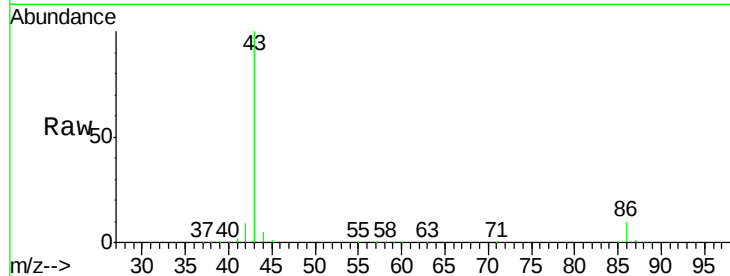
86 9.7 8.2 12.2

Manual Integrations

APPROVED

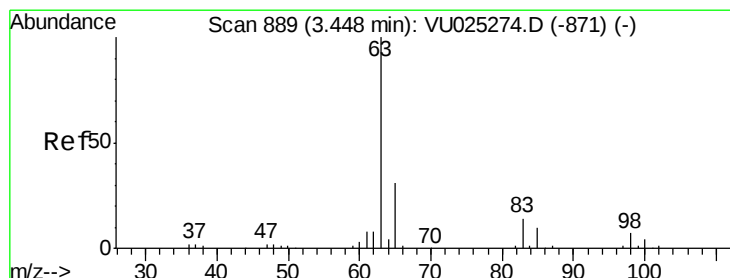
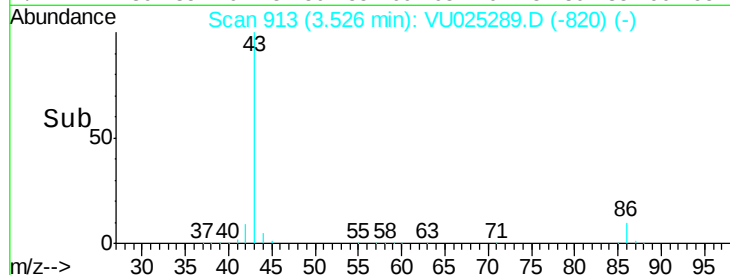
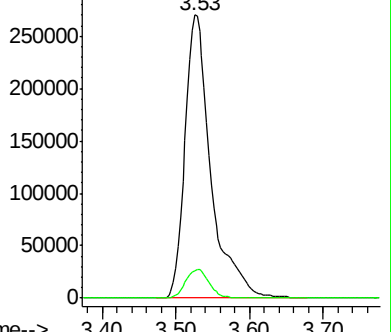
MMDadoda

7/11/2018 5:05:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.43 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

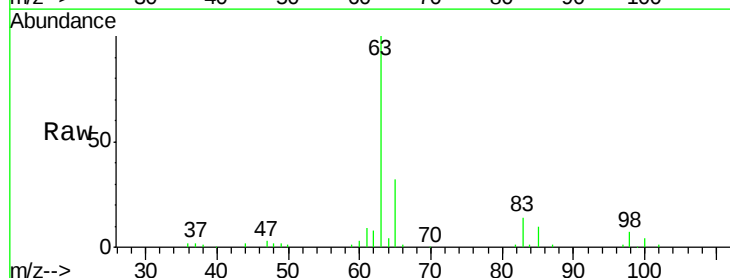
Tgt Ion: 63 Resp: 85909

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

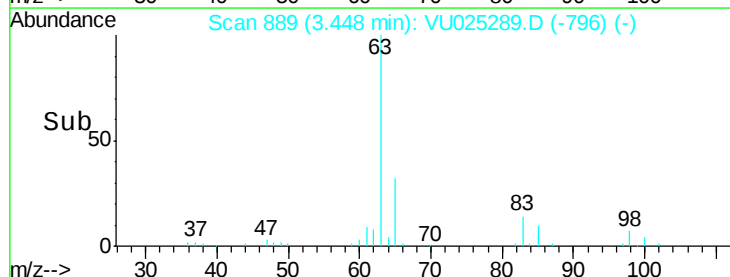
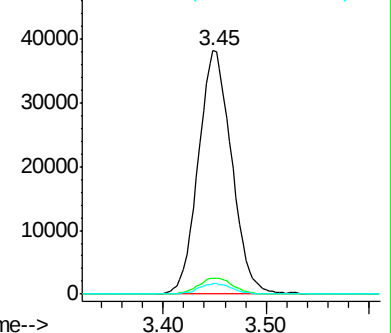
100 4.3 2.0 6.0

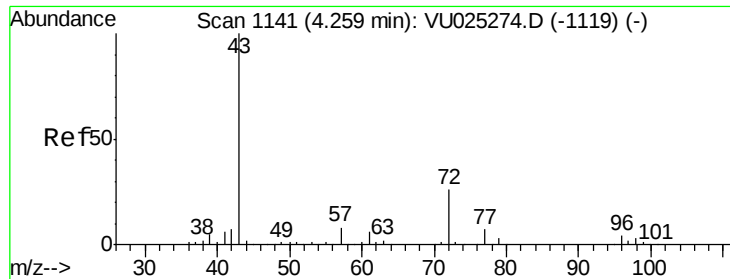


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 102.26 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion: 43 Resp: 208471

Ion Ratio Lower Upper

43 100

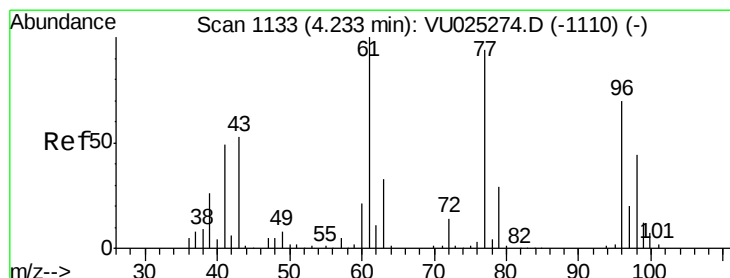
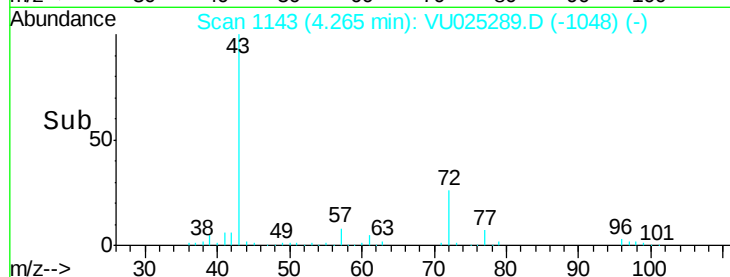
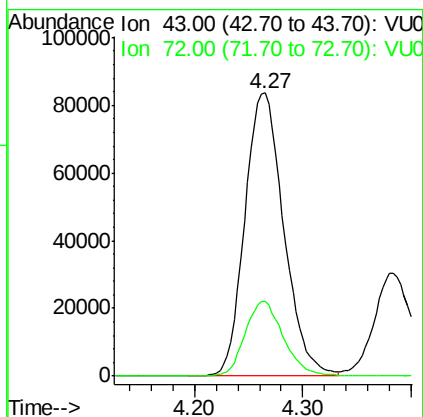
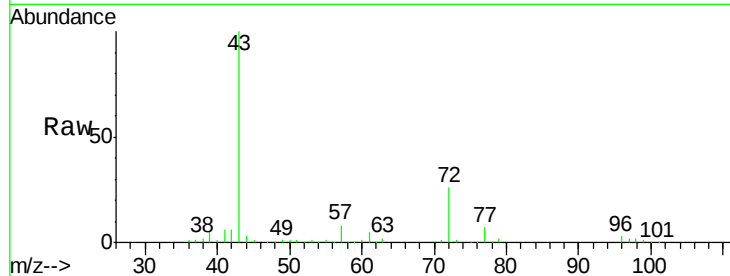
72 26.4 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.72 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025289.D

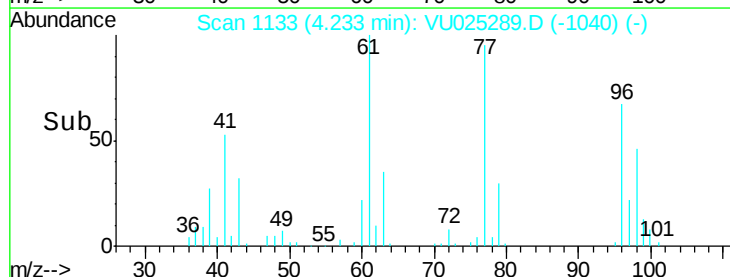
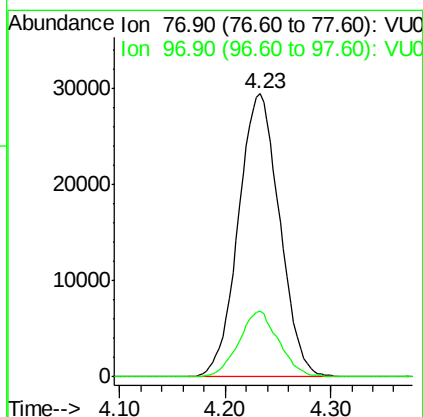
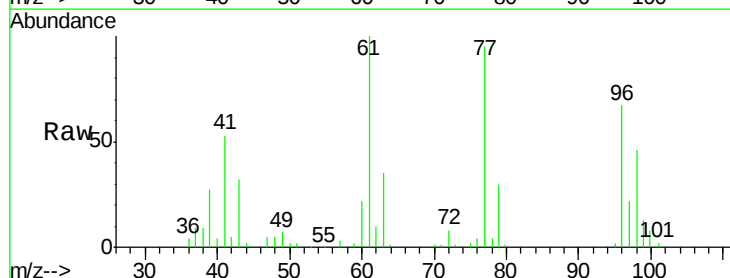
Acq: 10 Jul 2018 15:15

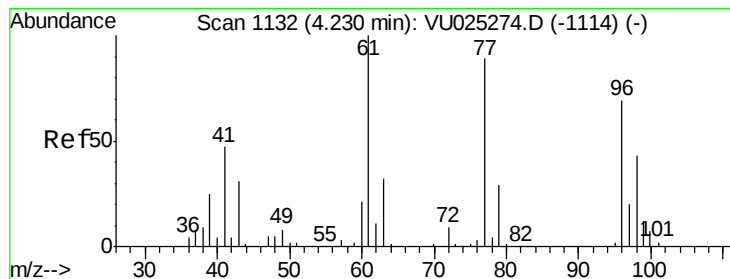
Tgt Ion: 77 Resp: 79848

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.02 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion: 96 Resp: 50792

Ion Ratio Lower Upper

96 100

61 155.8 0.0 299.8

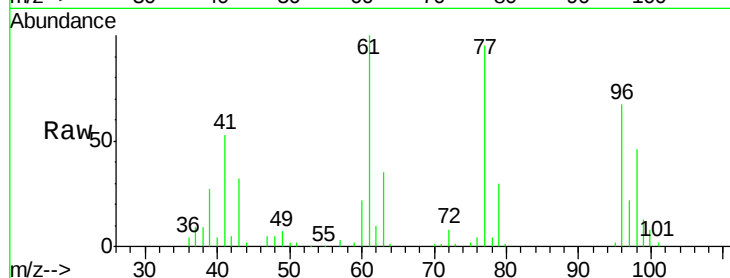
98 67.5 0.0 128.6

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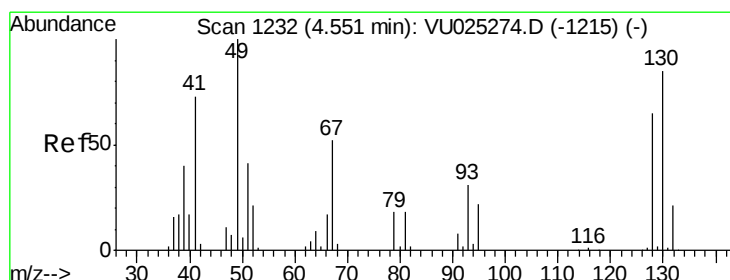
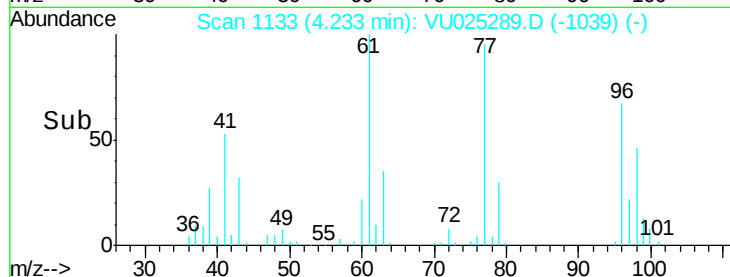
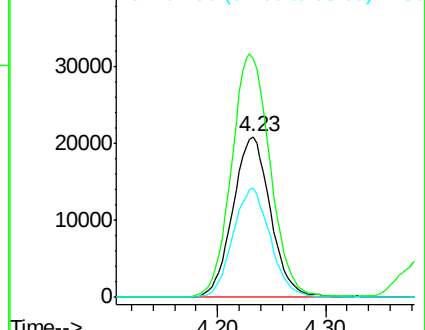
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Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 21.23 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

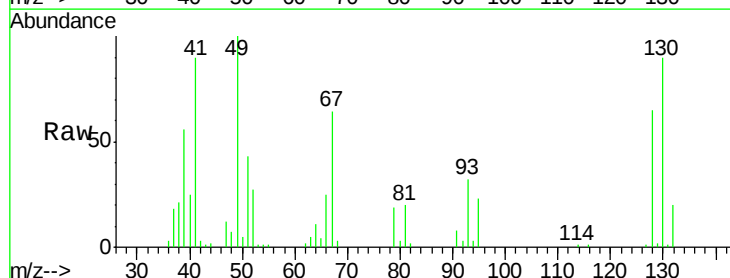
Tgt Ion: 49 Resp: 41093

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

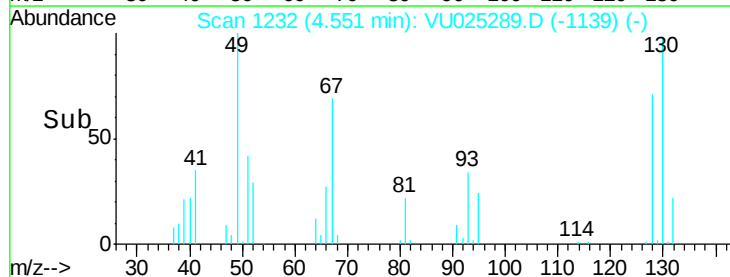
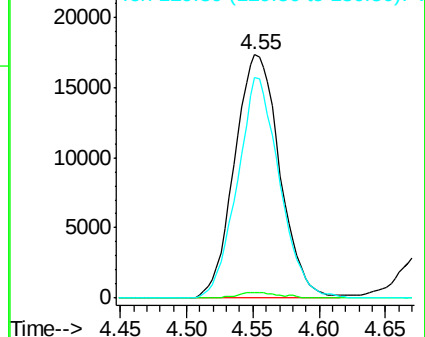
130 84.8 68.6 102.8

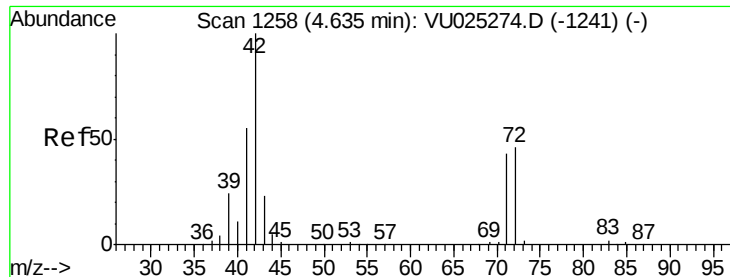


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





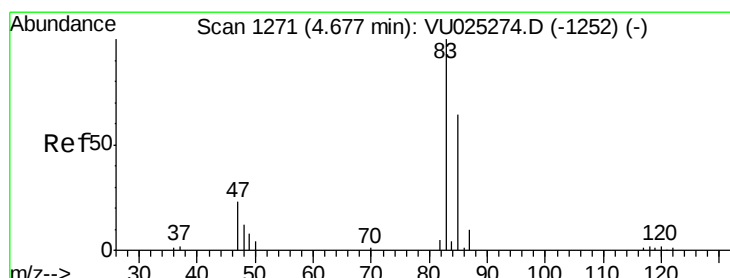
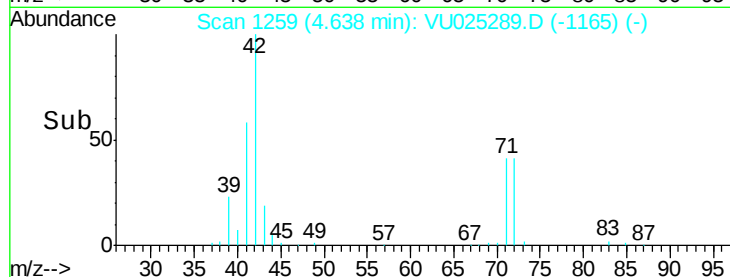
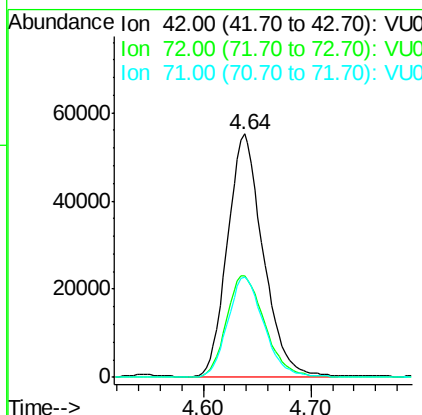
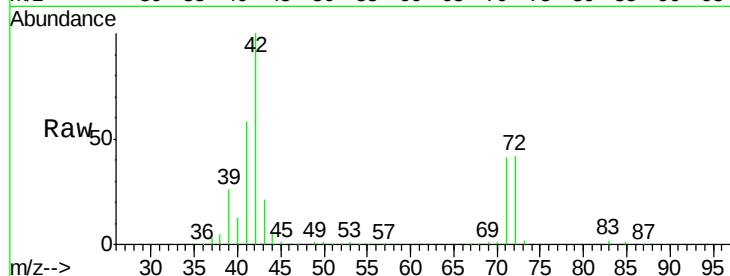
#29
Tetrahydrofuran
Concen: 103.47 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.7	55.1
71	42.2	33.9	50.9

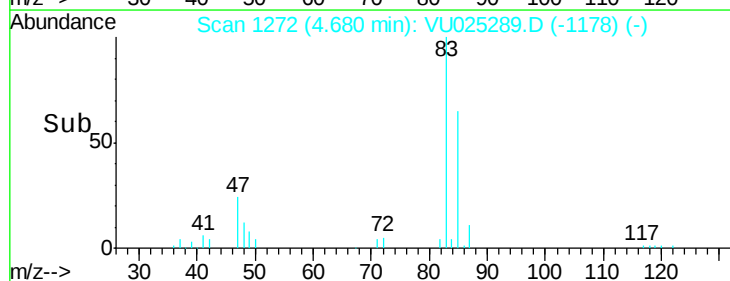
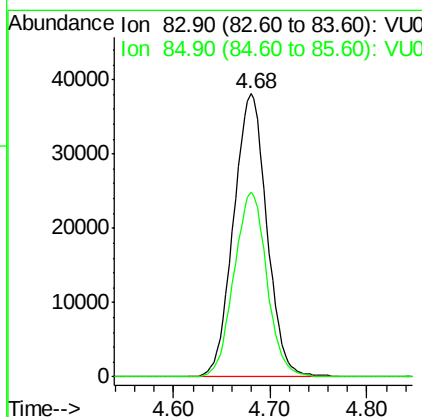
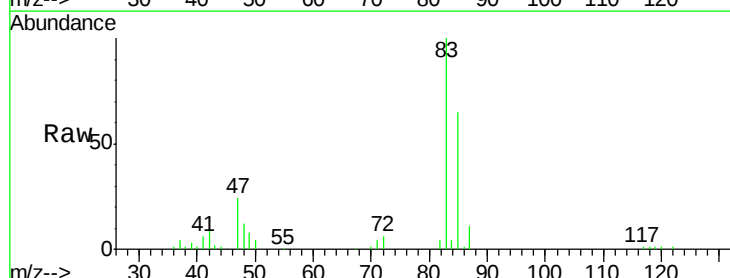
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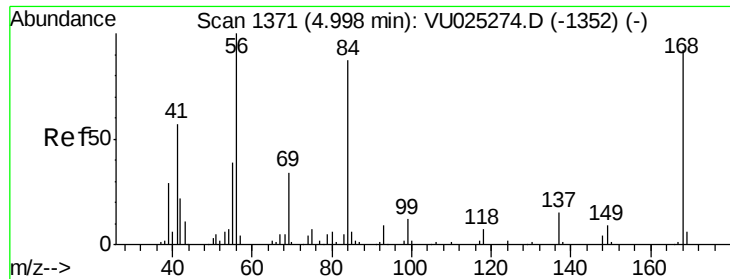
MMDadoda
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#30
Chloroform
Concen: 21.43 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





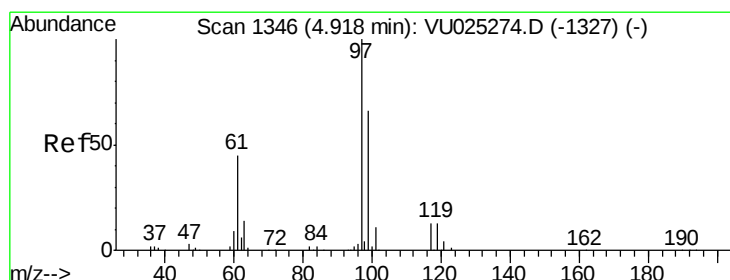
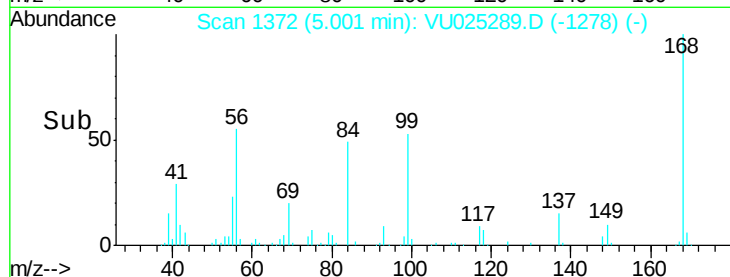
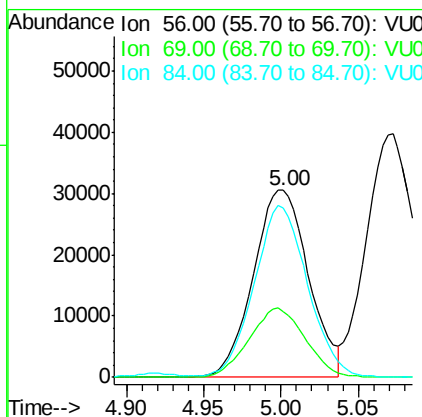
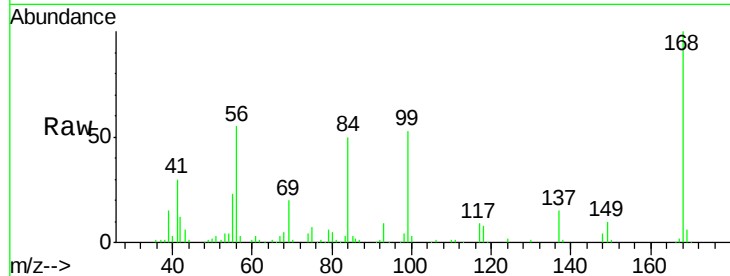
#31
Cyclohexane
Concen: 20.90 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	26.8	40.2
84	89.7	69.7	104.5

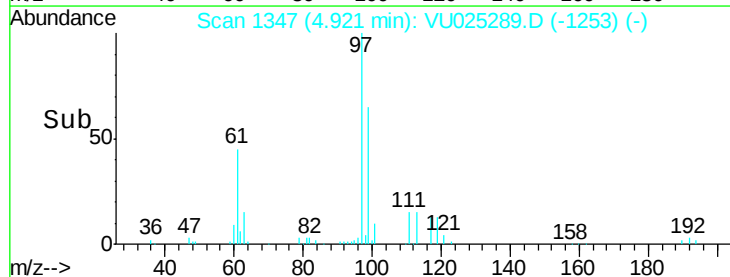
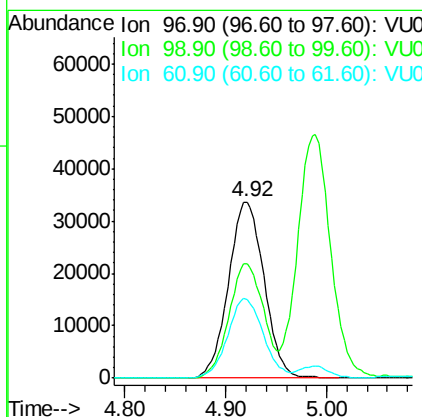
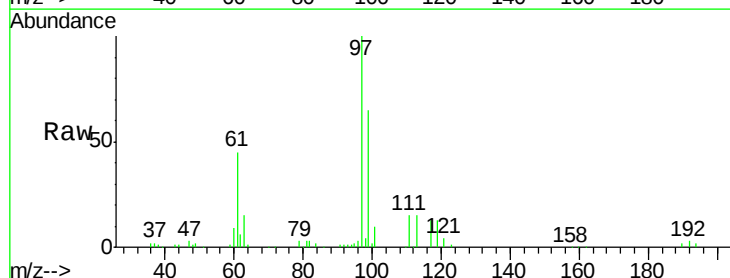
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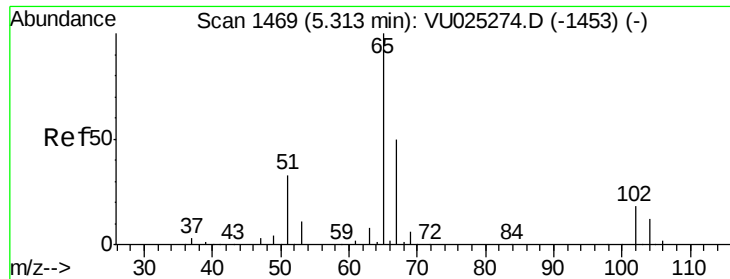
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#32
1,1,1-Trichloroethane
Concen: 21.46 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.8	76.2
61	45.2	35.2	52.8





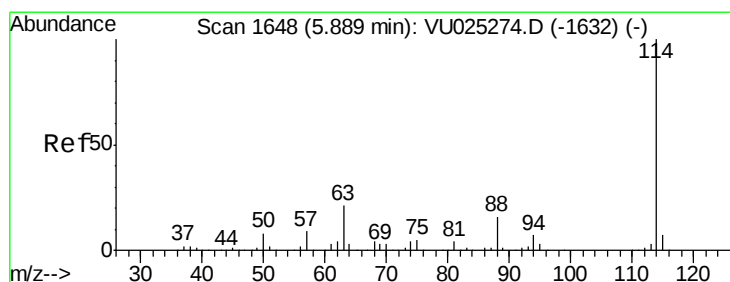
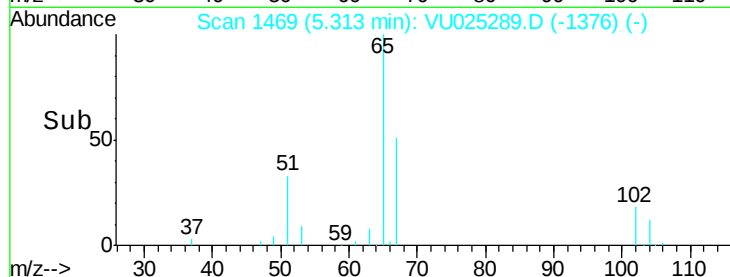
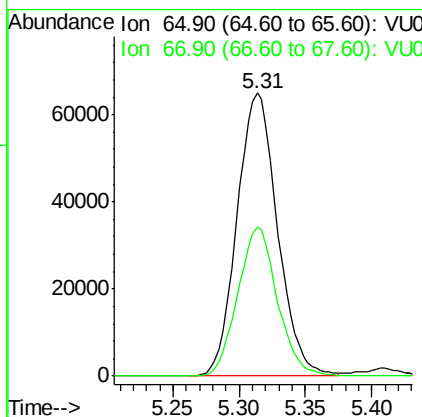
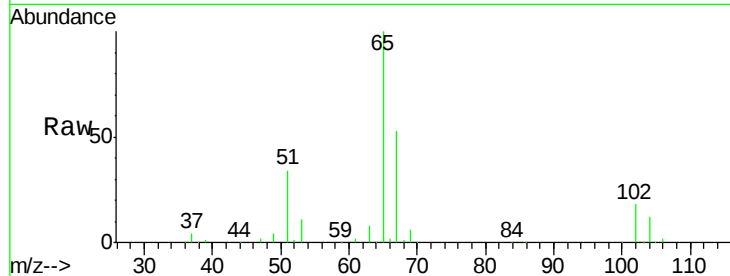
#33
 1,2-Dichloroethane-d4
 Concen: 46.93 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6

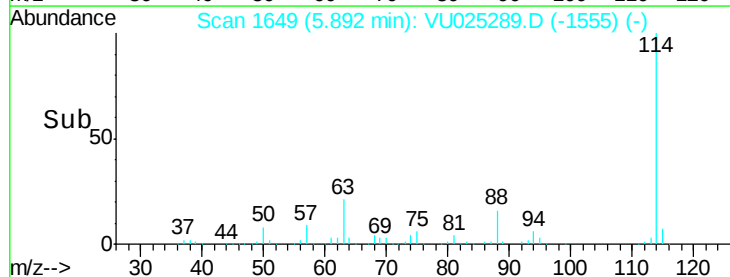
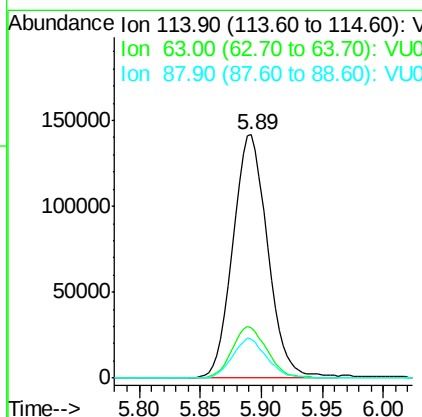
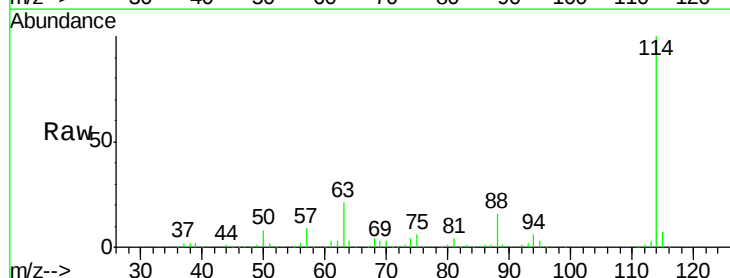
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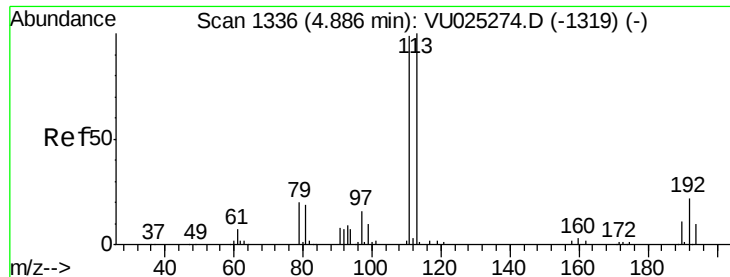
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.6
88	16.1	0.0	32.4





#35

Dibromofluoromethane

Concen: 47.07 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

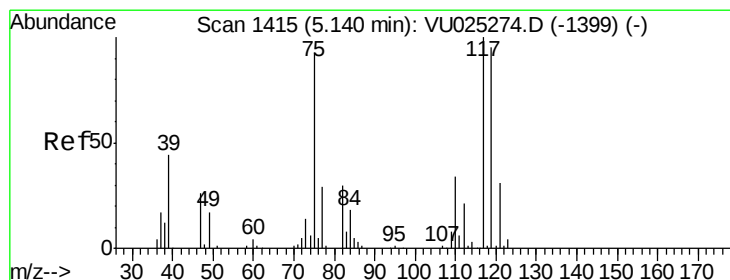
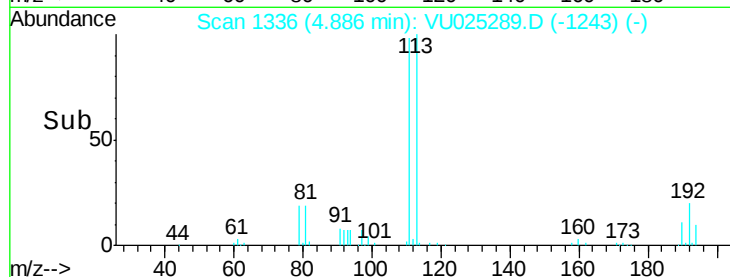
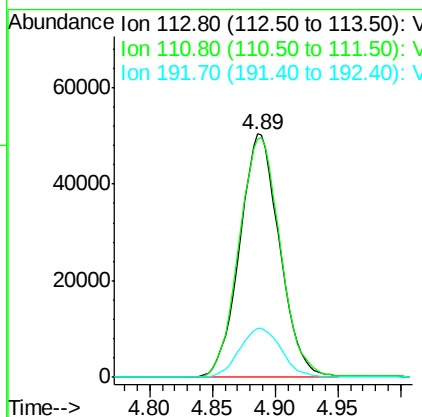
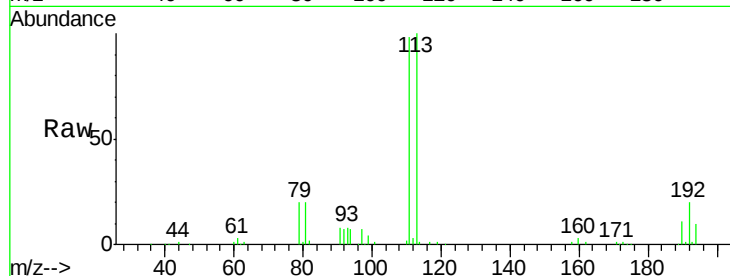
ClientSampleId :

VU0710WBS01

Tot Ion:	113	Resp:	111756
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.7	122.5
192	21.1	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.71 ug/l

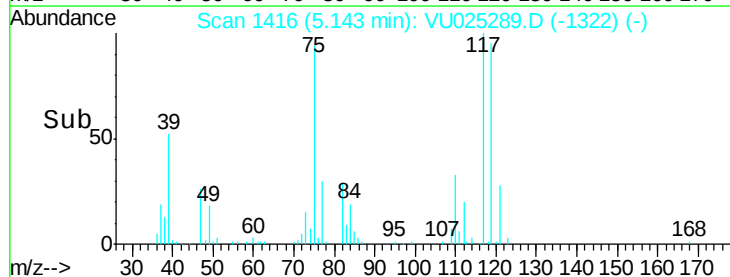
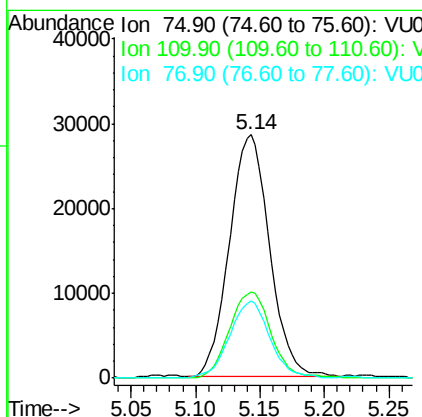
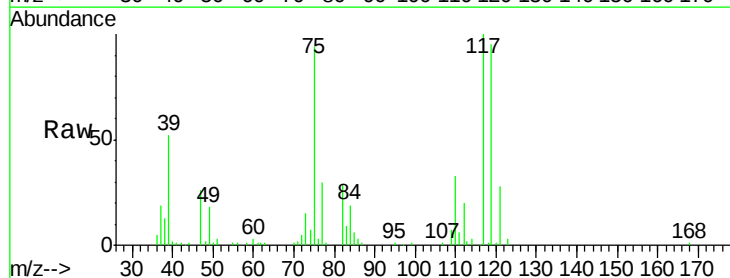
RT: 5.14 min Scan# 1416

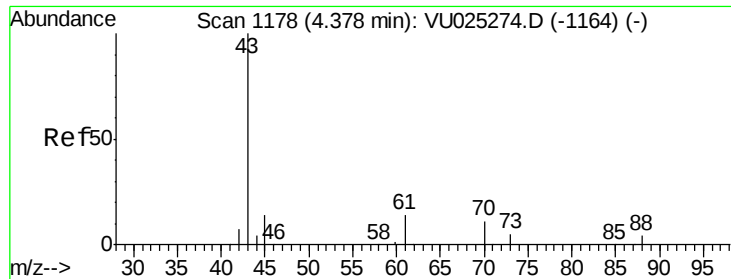
Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion:	75	Resp:	61682
Ion Ratio	Lower	Upper	
75	100		
110	37.0	17.6	52.9
77	32.0	24.4	36.6





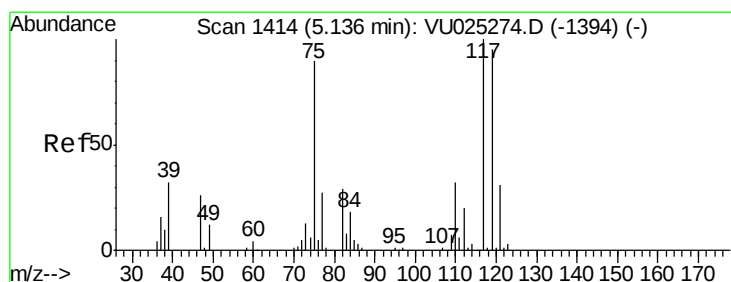
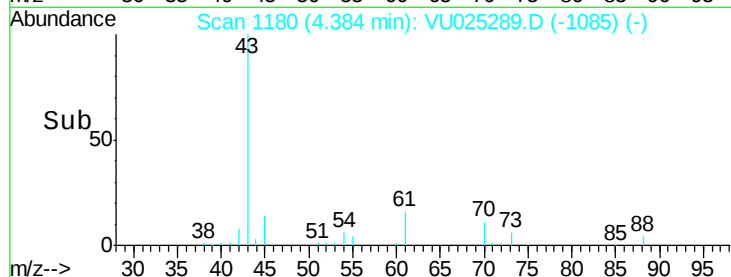
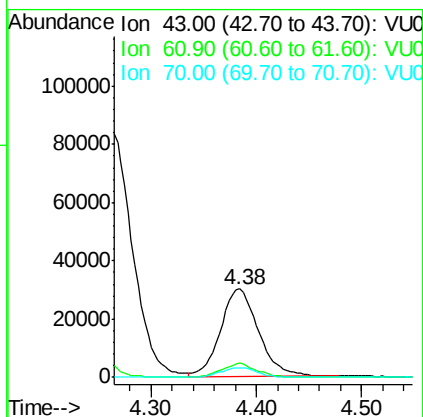
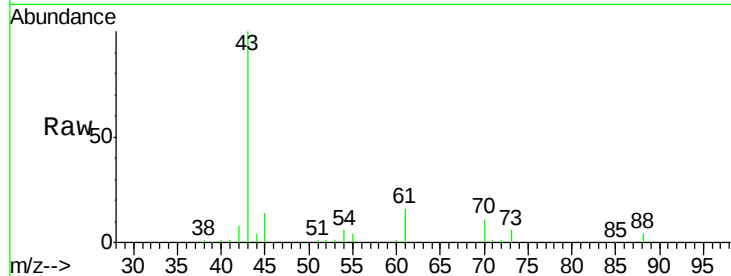
#37
Ethyl Acetate
Concen: 21.39 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.7	16.1
70	10.8	8.4	12.6

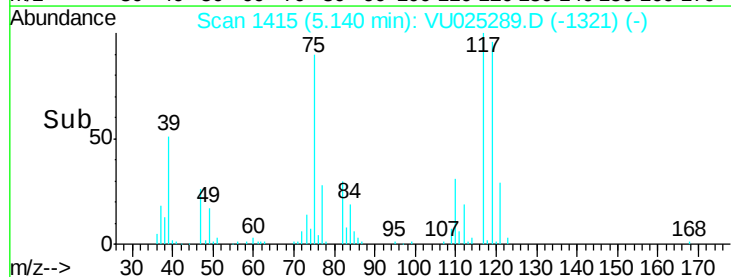
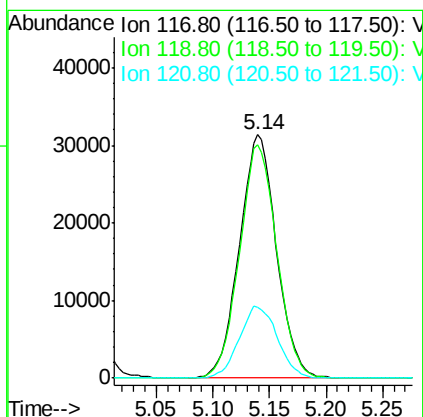
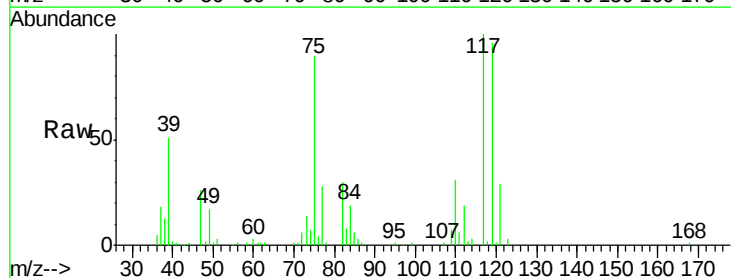
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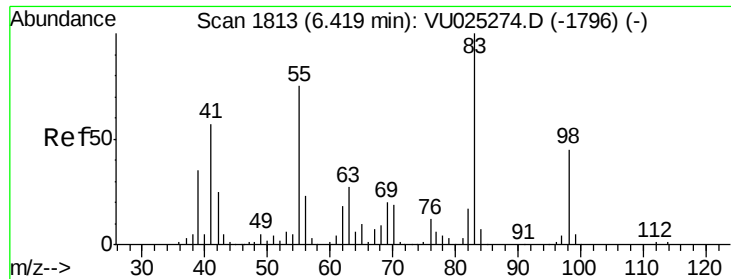
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#38
Carbon Tetrachloride
Concen: 21.18 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.7	113.5
121	29.3	24.6	36.8





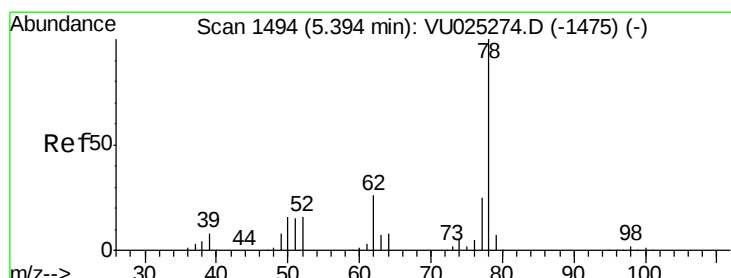
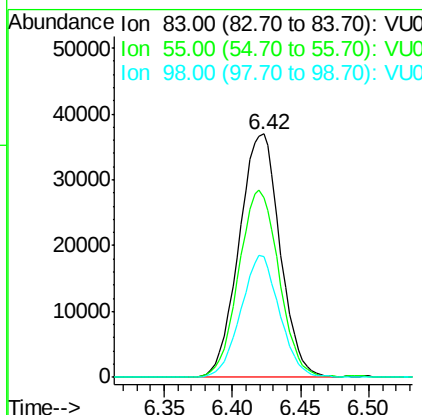
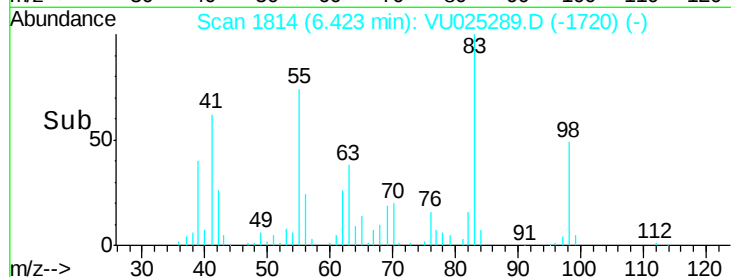
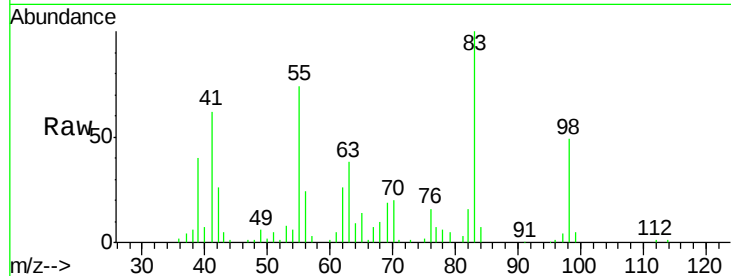
#39
Methvlcvclohexane
Concen: 19.74 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.0	90.0
98	49.4	36.1	54.1

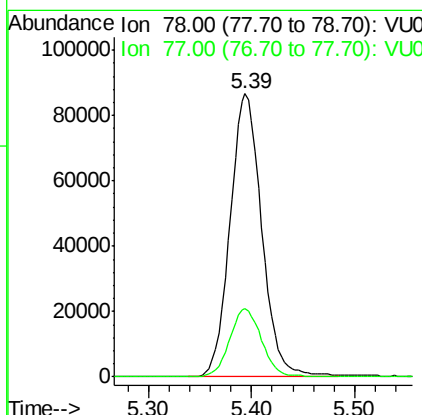
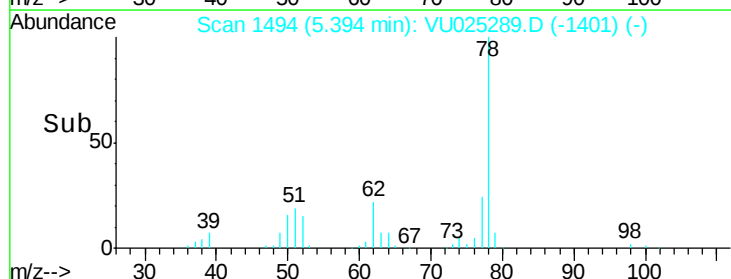
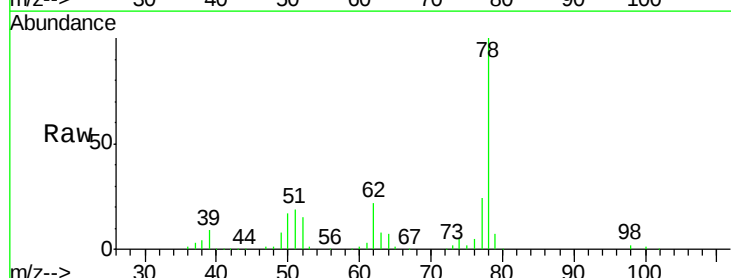
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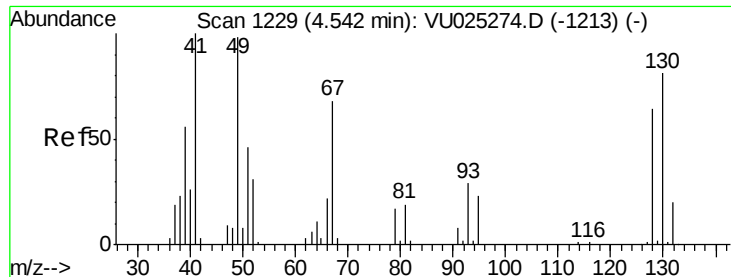
MMDadoda
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#40
Benzene
Concen: 20.60 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.8	29.6





#41

Methacrylonitrile

Concen: 21.76 ug/l

RT: 4.54 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

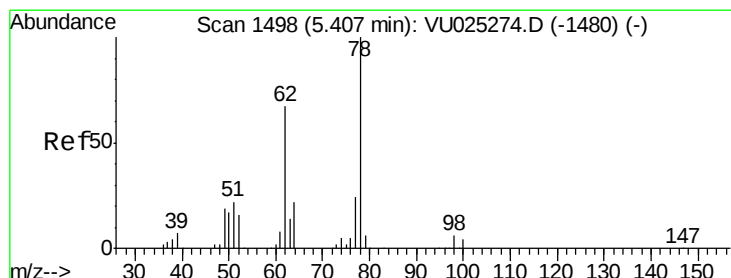
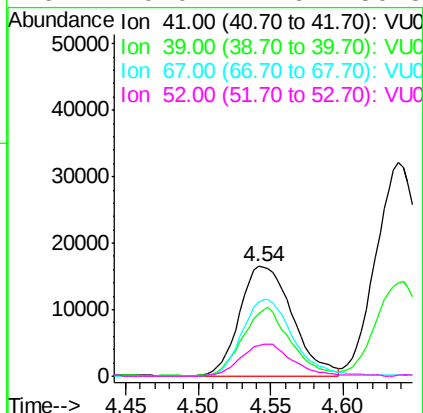
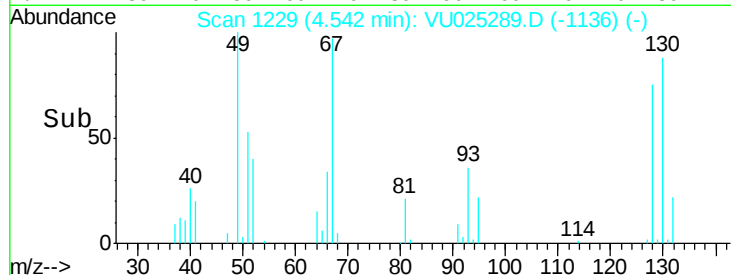
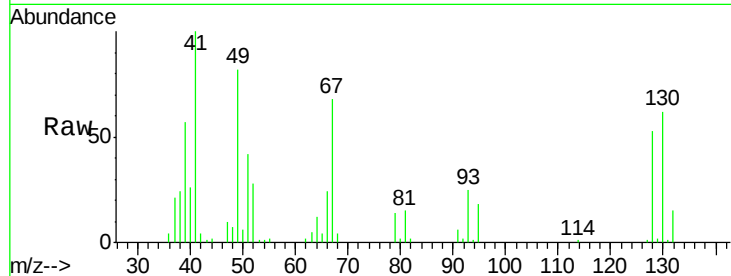
ClientSampleId :

VU0710WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.4	66.6
67	67.0	56.0	84.0
52	29.0	24.6	36.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.48 ug/l

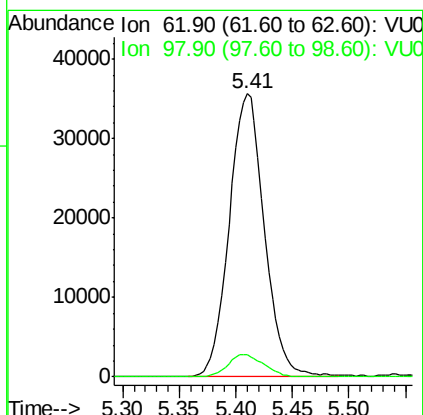
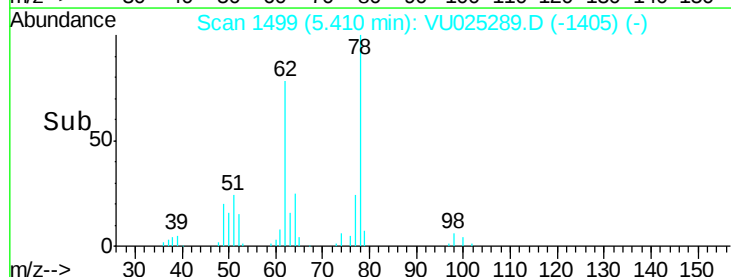
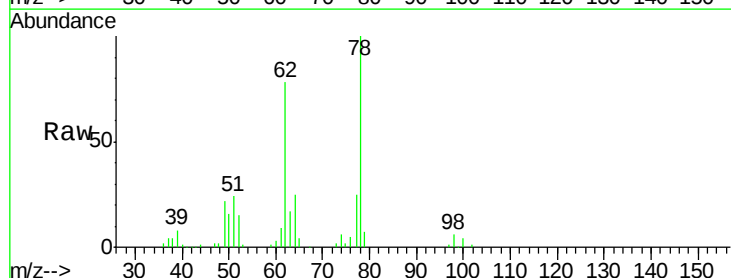
RT: 5.41 min Scan# 1499

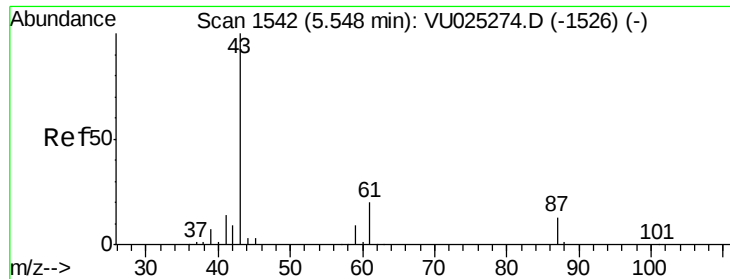
Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4





#43

Isopropyl Acetate

Concen: 21.16 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

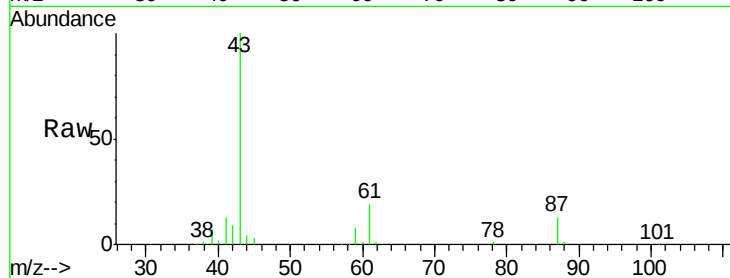
ClientSampleId :

VU0710WBS01

Tot Ion:	43	Resp:	118258
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.5	23.3
87	13.0	10.6	16.0

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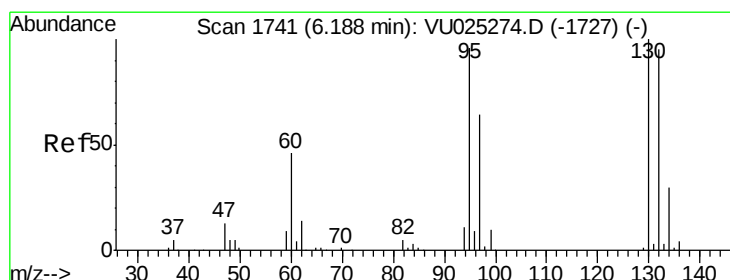
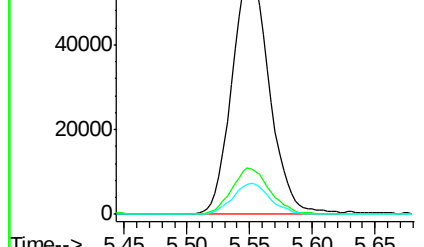
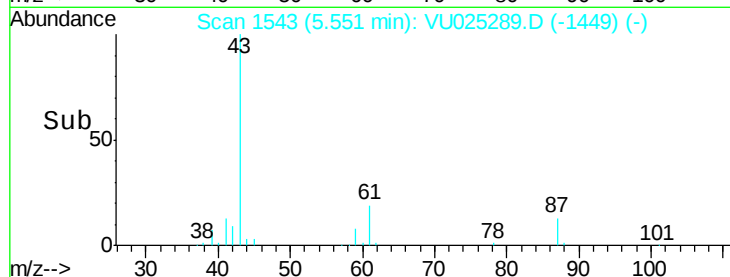


Abundance Ion 43.00 (42.70 to 43.70): VU025274.D (-1526) (-)

Ion 61.00 (60.70 to 61.70): VU025274.D (-1526) (-)

Ion 87.00 (86.70 to 87.70): VU025274.D (-1526) (-)

Time-->



#44

Trichloroethene

Concen: 19.69 ug/l

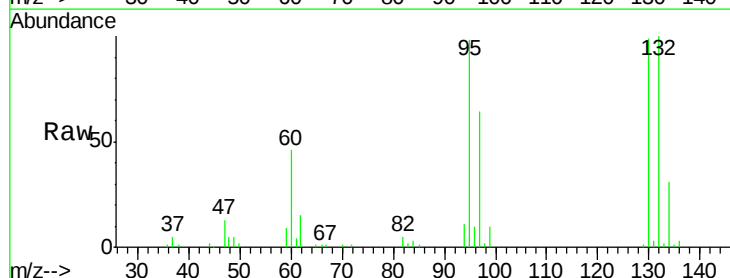
RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

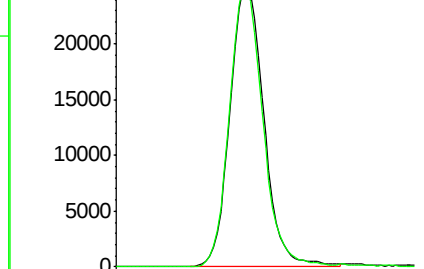
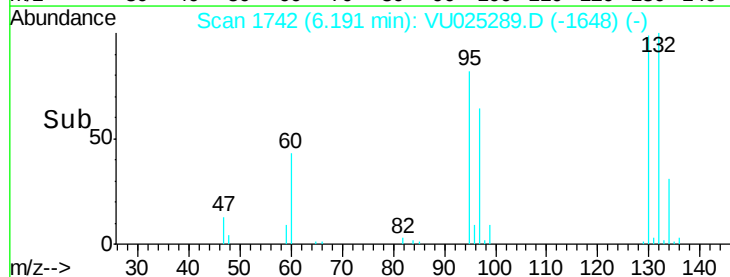
Tgt Ion:	130	Resp:	50970
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	192.2

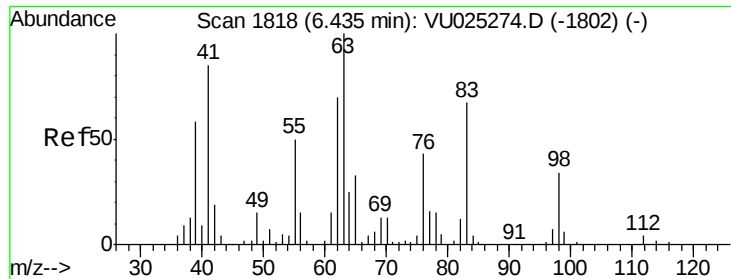


Abundance Ion 129.80 (129.50 to 130.50): VU025274.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025274.D (-1727) (-)

Time-->





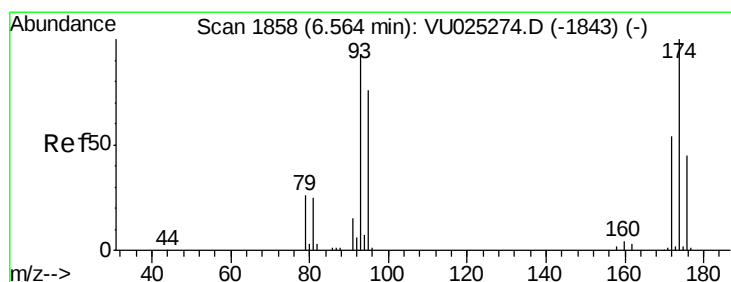
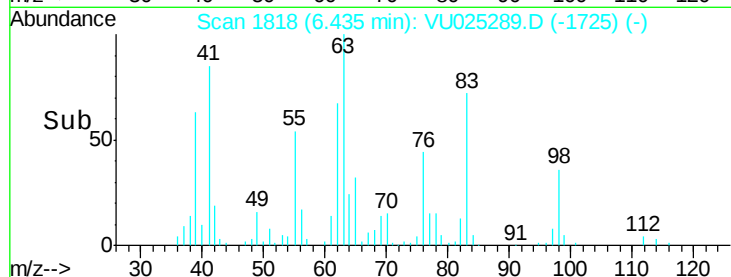
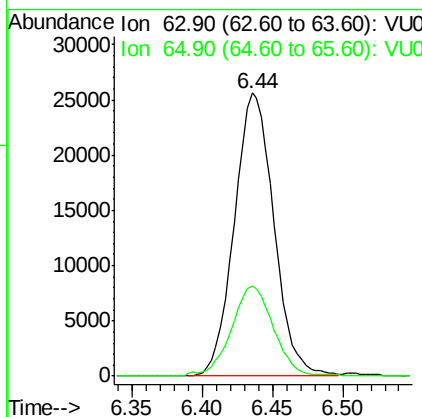
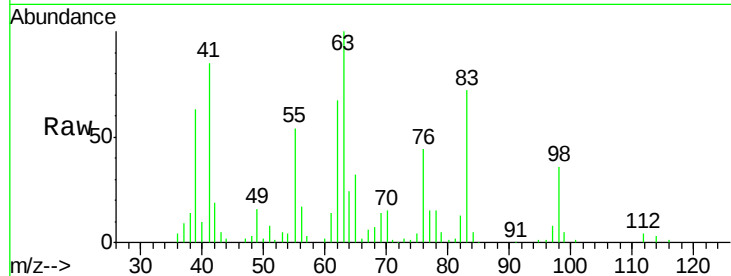
#45
 1,2-Dichloropropane
 Concen: 21.34 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Tot Ion: 63 Resp: 50393
 Ion Ratio Lower Upper
 63 100
 65 31.4 26.1 39.1

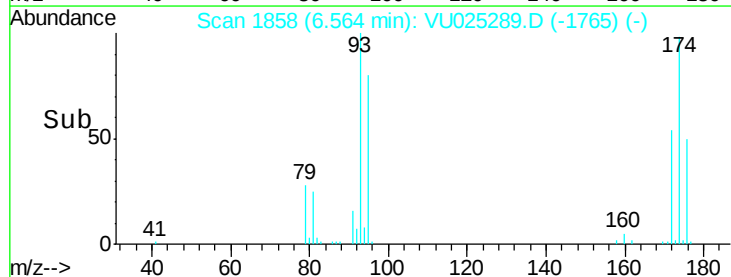
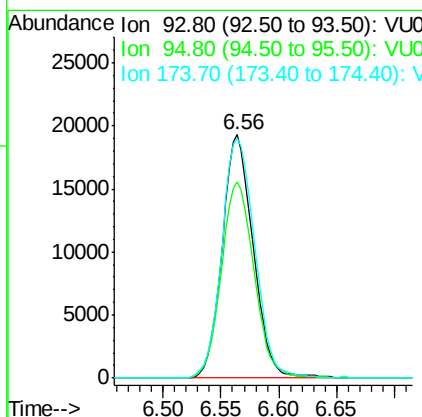
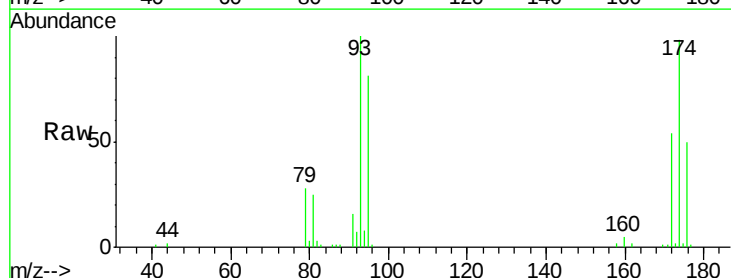
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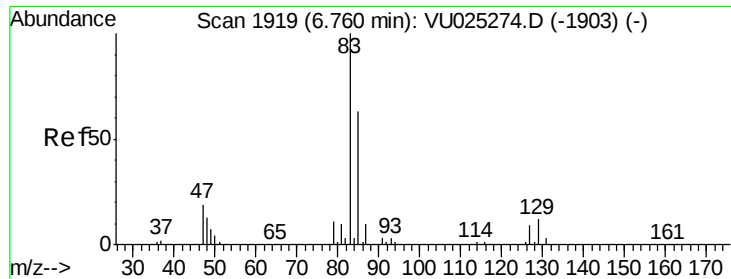
MMDadoda
 7/11/2018 5:05:53 PM



#46
 Dibromomethane
 Concen: 20.90 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Tgt Ion: 93 Resp: 35923
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.6 100.0
 174 104.6 85.8 128.8





#47

Bromodichloromethane

Concen: 21.51 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

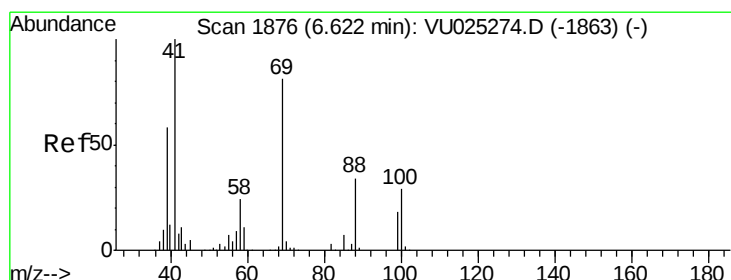
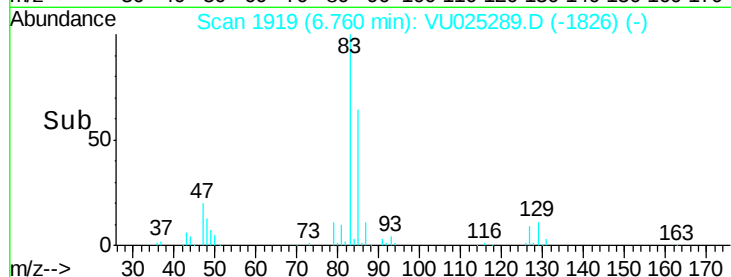
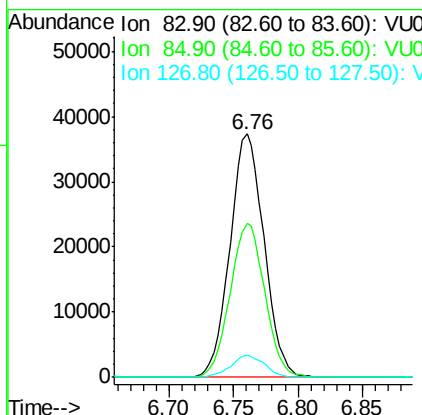
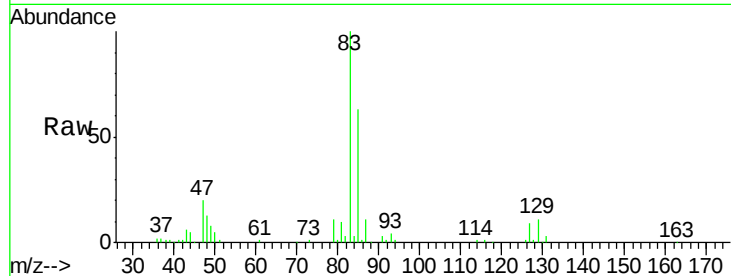
ClientSampleId :

VU0710WBS01

Tot Ion:	83	Resp:	68691
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.2	75.4
127	9.1	7.2	10.8

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#48

Methyl methacrylate

Concen: 20.73 ug/l

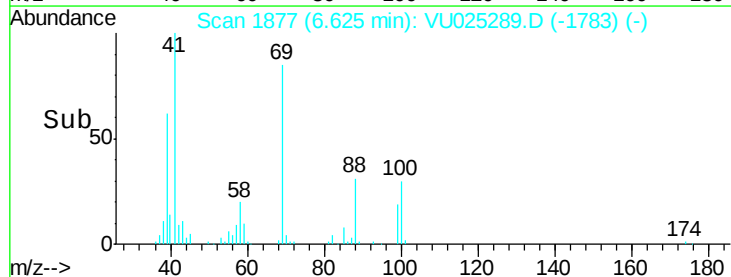
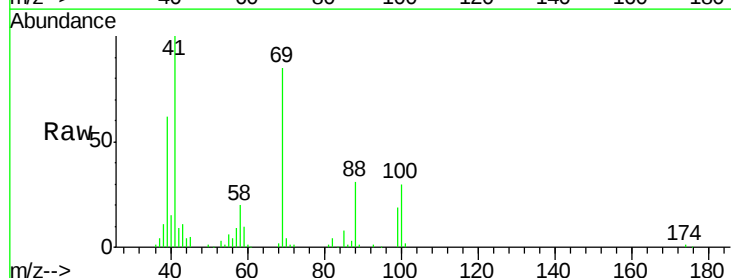
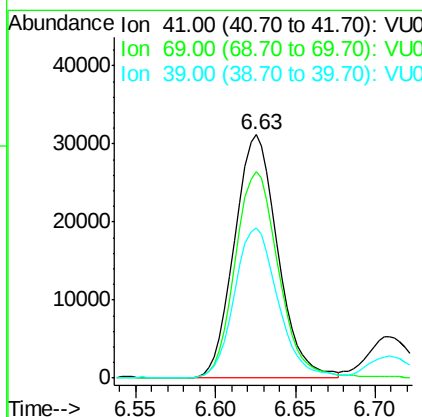
RT: 6.63 min Scan# 1877

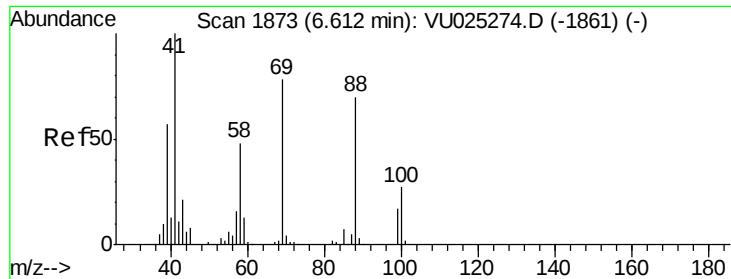
Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion:	41	Resp:	57757
Ion	Ratio	Lower	Upper
41	100		
69	85.3	65.0	97.4
39	62.1	46.4	69.6





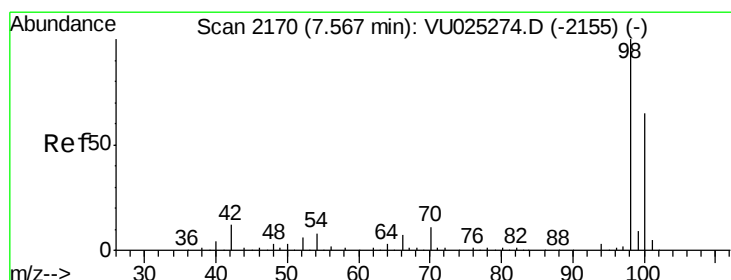
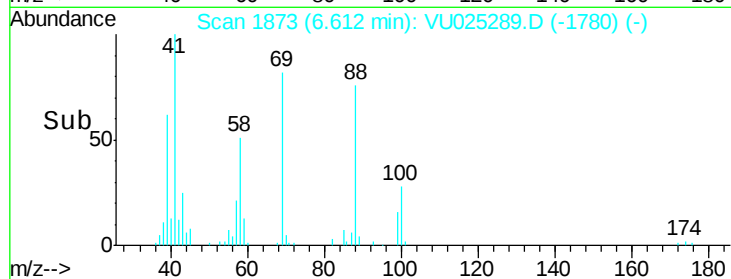
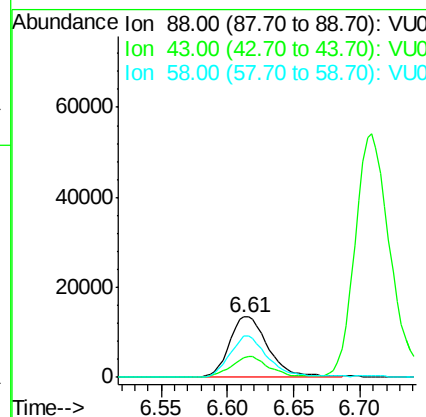
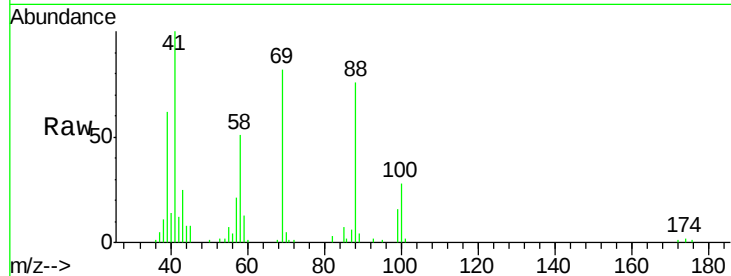
#49
1,4-Dioxane
Concen: 410.70 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.3	40.9
58	65.5	57.6	86.4

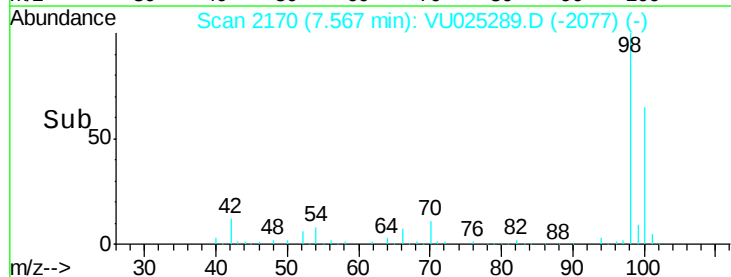
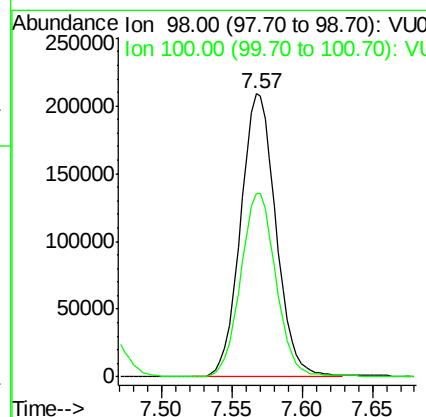
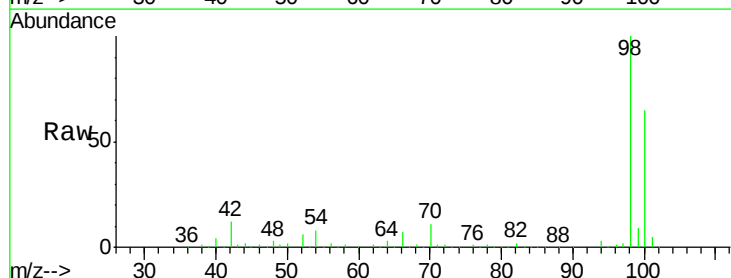
Manual Integrations
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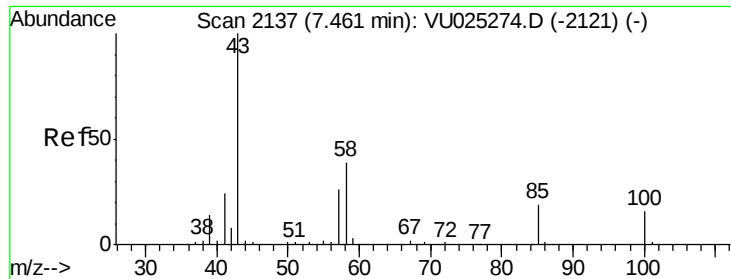
MMDadoda
7/11/2018 5:05:53 PM



#50
Toluene-d8
Concen: 45.19 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 105.52 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion: 43 Resp: 383275

Ion Ratio Lower Upper

43 100

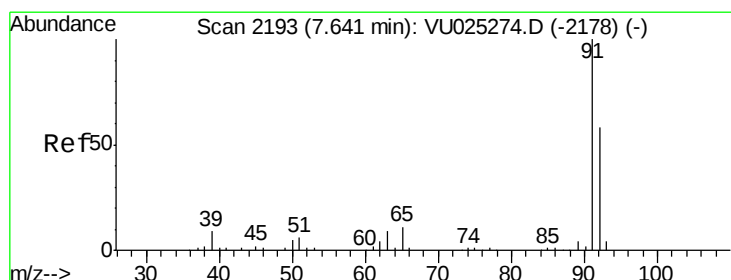
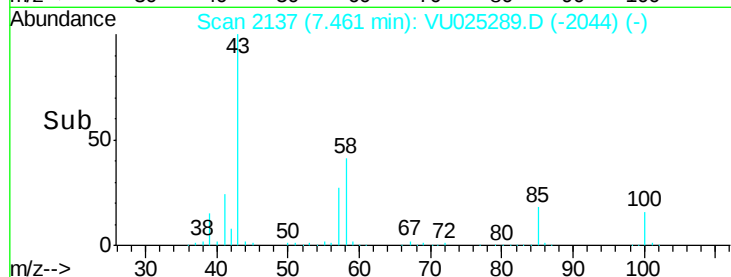
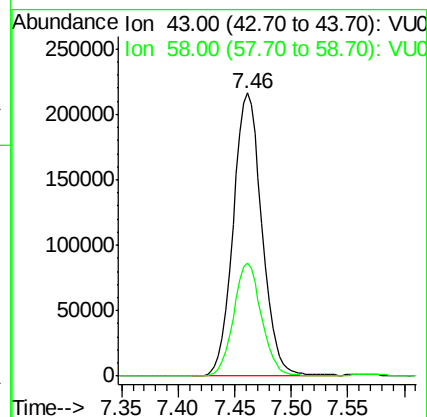
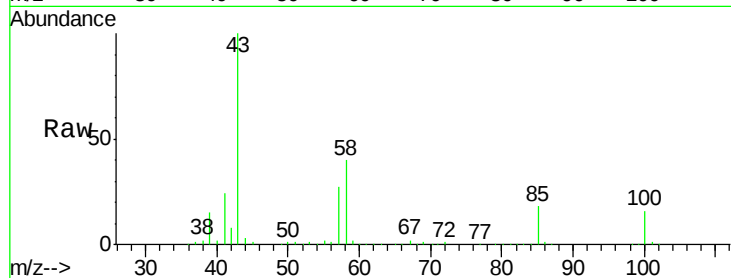
58 38.9 31.0 46.4

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#52

Toluene

Concen: 20.96 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025289.D

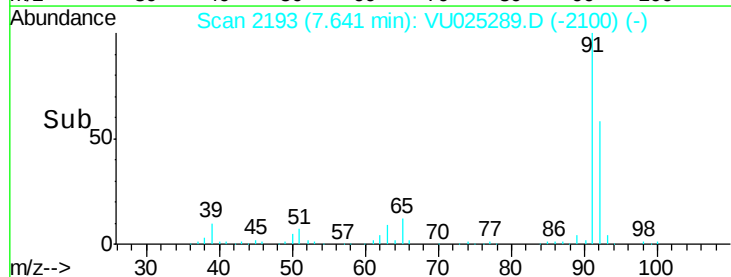
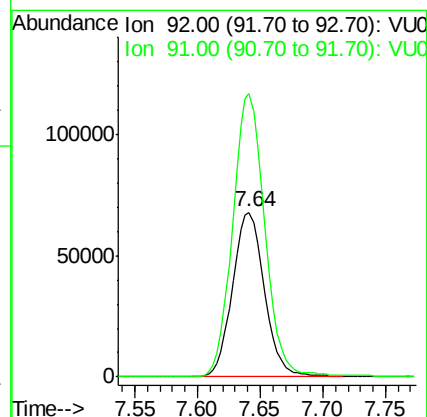
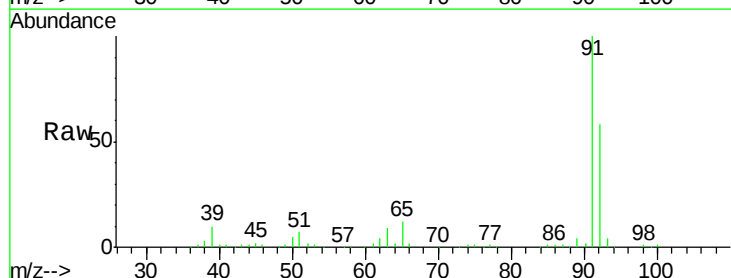
Acq: 10 Jul 2018 15:15

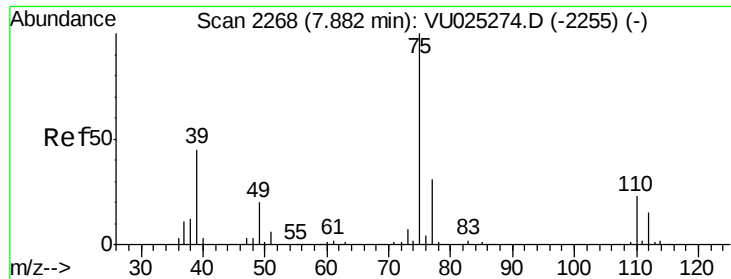
Tgt Ion: 92 Resp: 120236

Ion Ratio Lower Upper

92 100

91 173.5 139.2 208.8





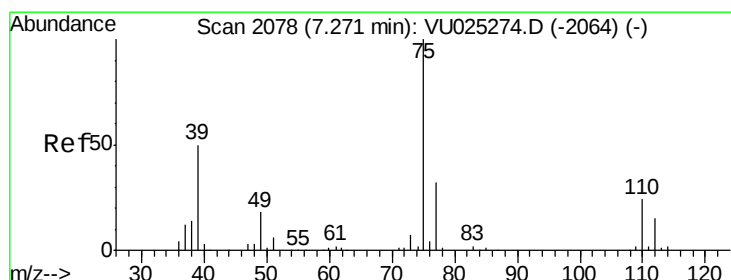
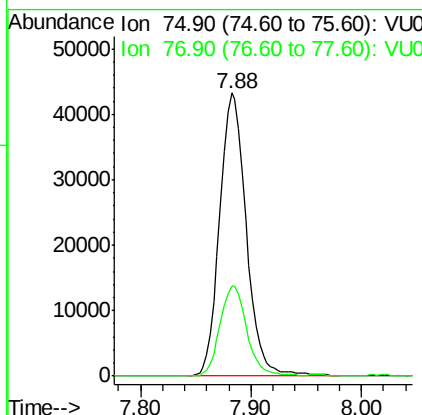
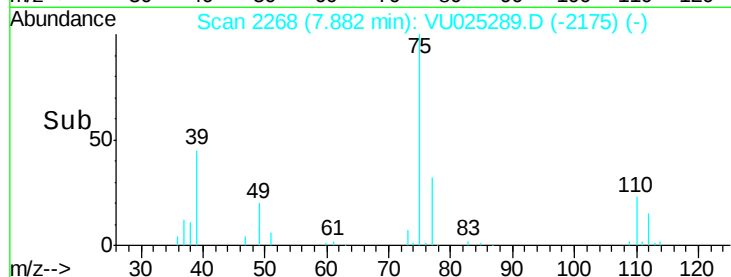
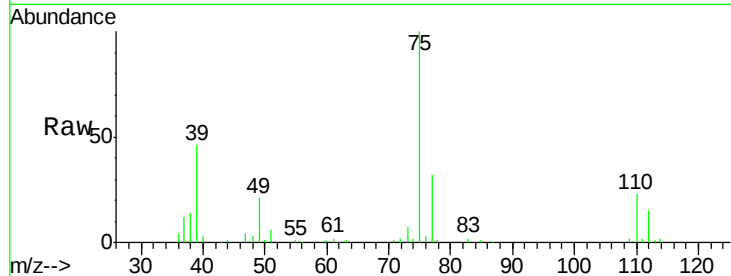
#53
 t-1,3-Dichloropropene
 Concen: 20.69 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Tot Ion: 75 Resp: 72595
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.5 36.7

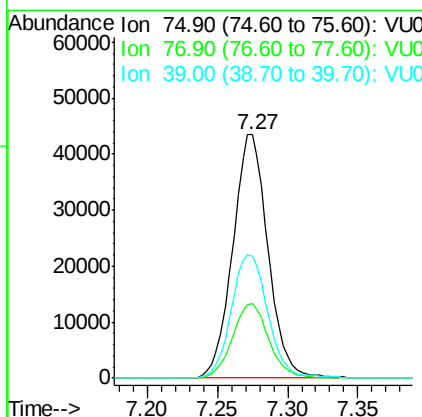
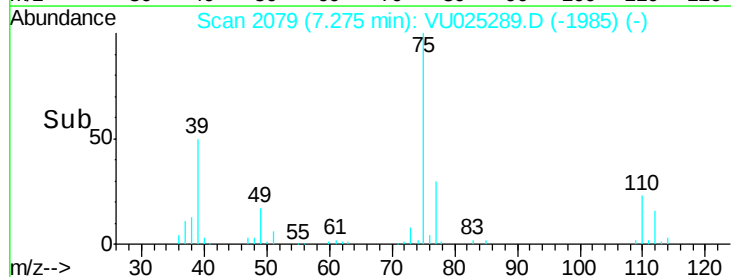
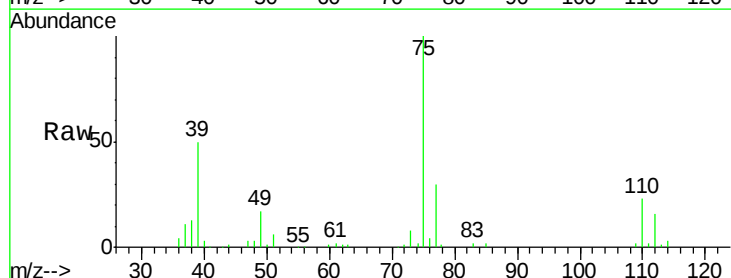
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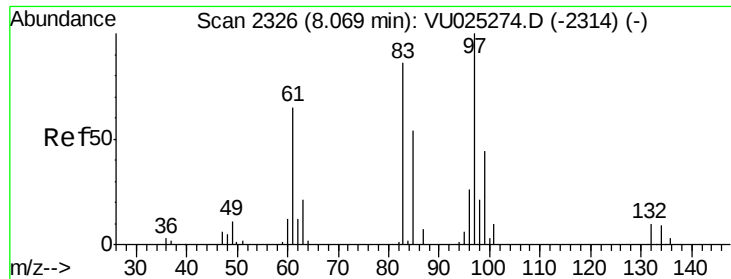
MMDadoda
 7/11/2018 5:05:53 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.38 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Tgt Ion: 75 Resp: 76101
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.6 38.4
 39 49.9 40.0 60.0





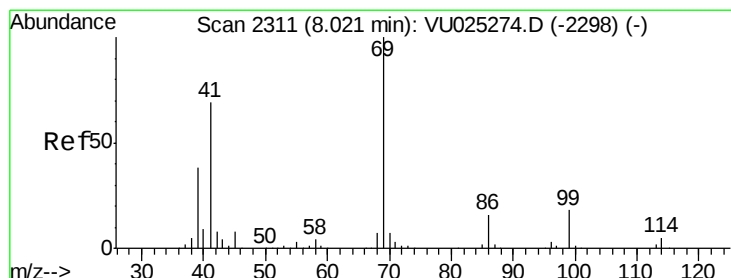
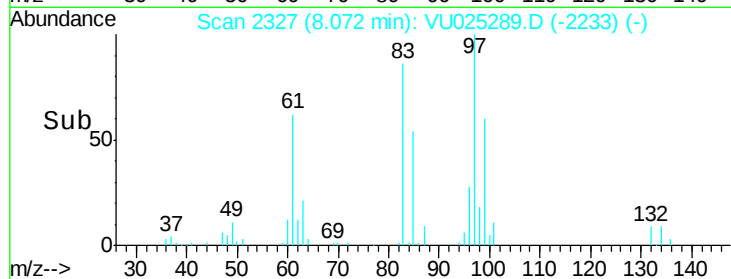
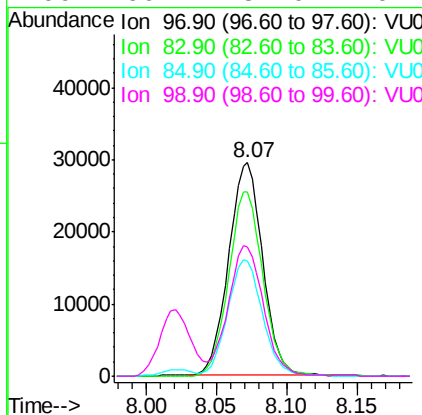
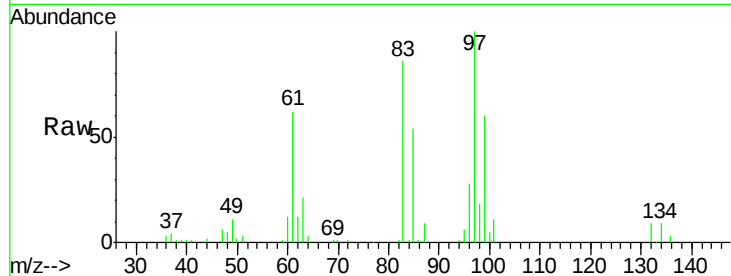
#55
 1,1,2-Trichloroethane
 Concen: 20.80 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Tot Ion:	97	Resp:	49692
Ion	Ratio	Lower	Upper
97	100		
83	86.5	68.9	103.3
85	54.3	44.4	66.6
99	60.2	51.0	76.4

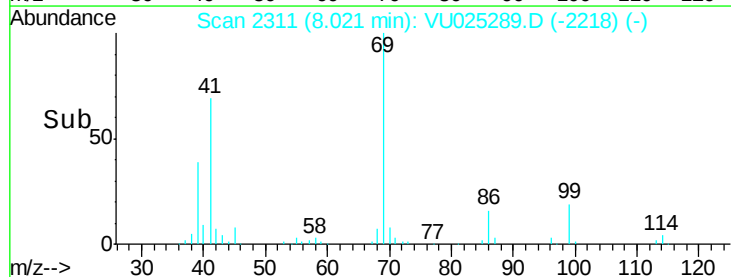
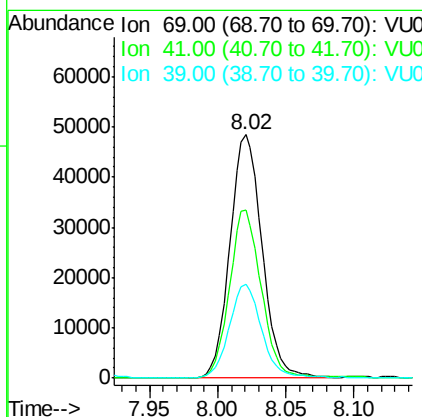
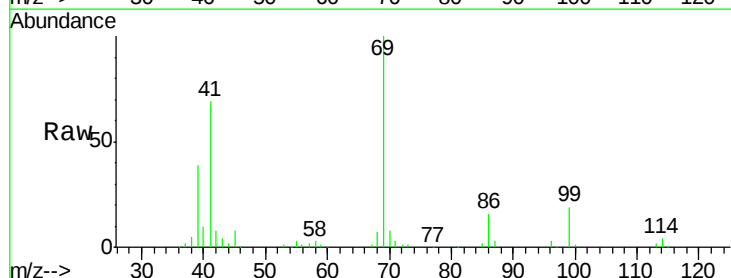
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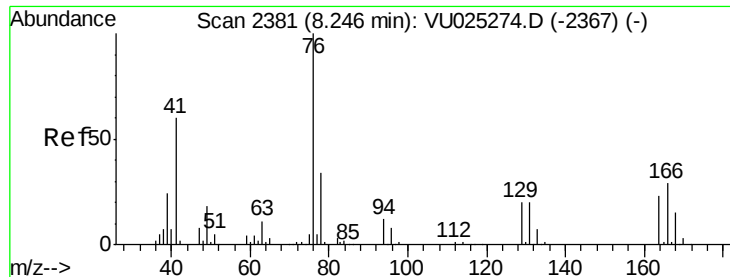
MMDadoda
 7/11/2018 5:05:53 PM



#56
 Ethyl methacrylate
 Concen: 21.31 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Tgt Ion:	69	Resp:	79518
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.8	82.2
39	37.8	31.1	46.7





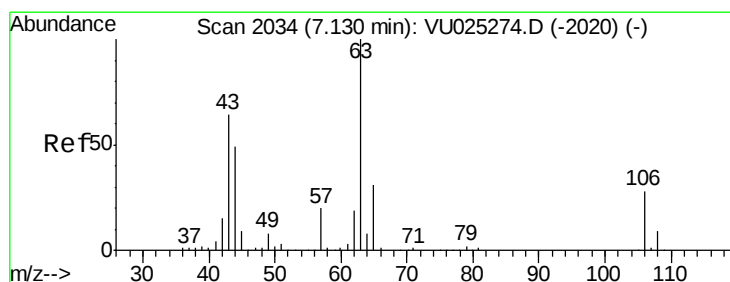
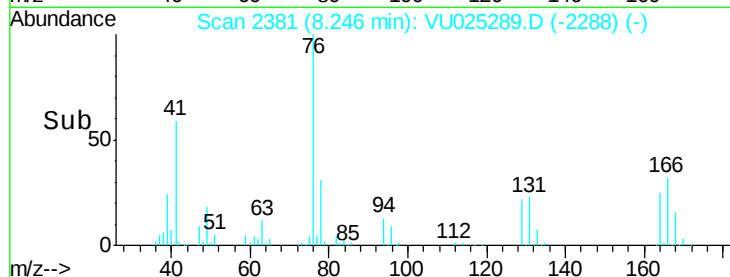
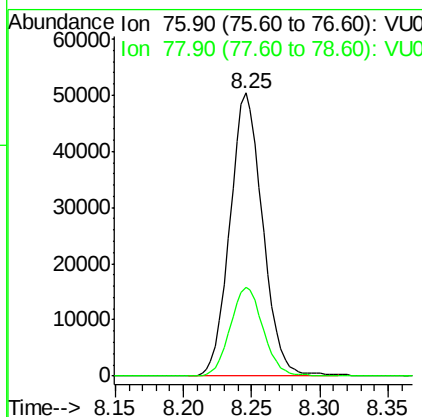
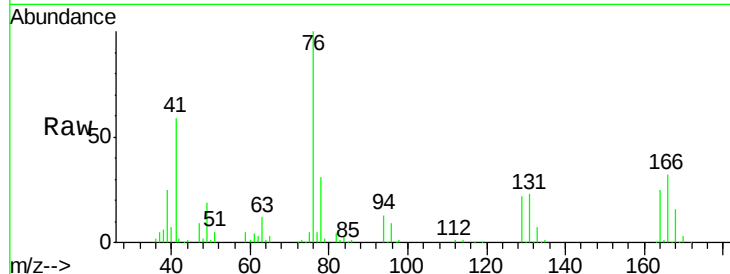
#57
 1,3-Dichloropropane
 Concen: 21.21 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Tot Ion: 76 Resp: 84131
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1

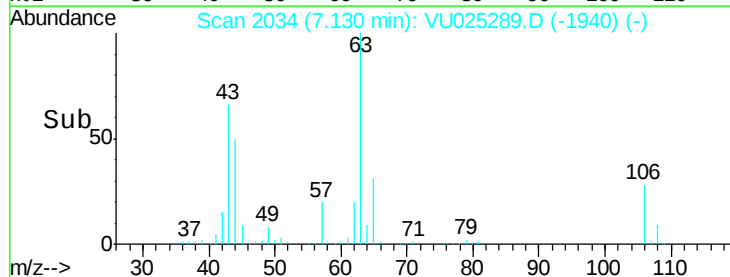
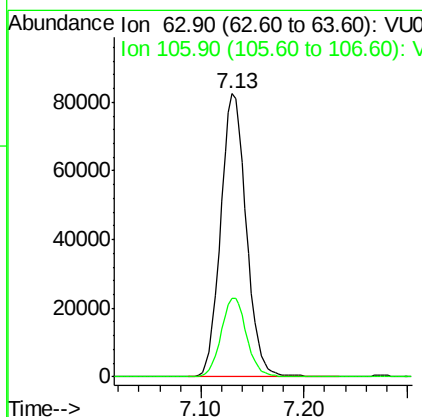
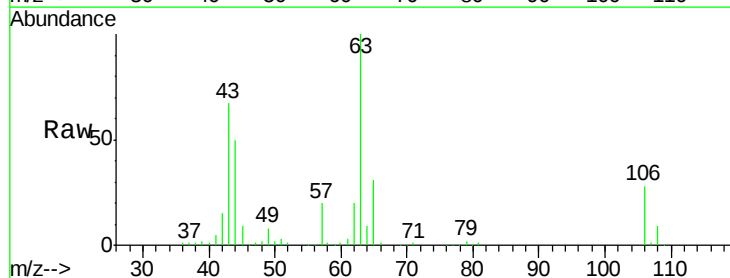
Manual Integrations
 APPROVED

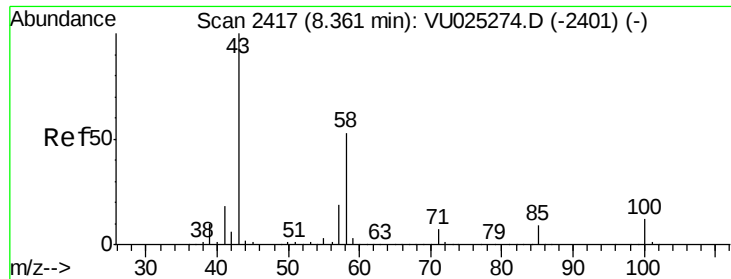
MMDadoda
 7/11/2018 5:05:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.42 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Tgt Ion: 63 Resp: 142425
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.3 33.5





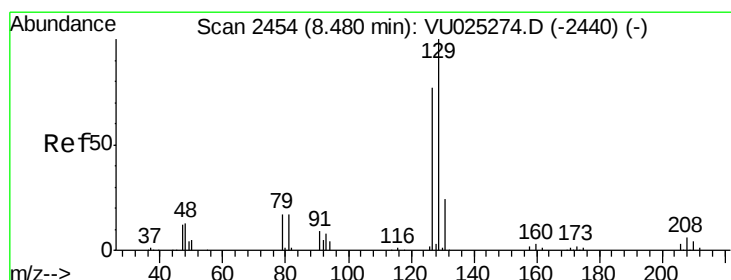
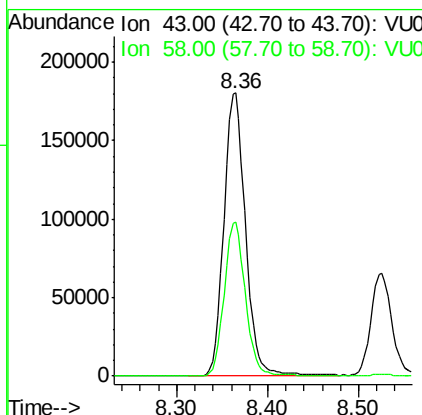
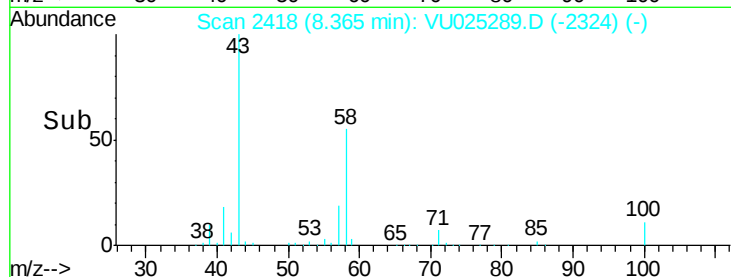
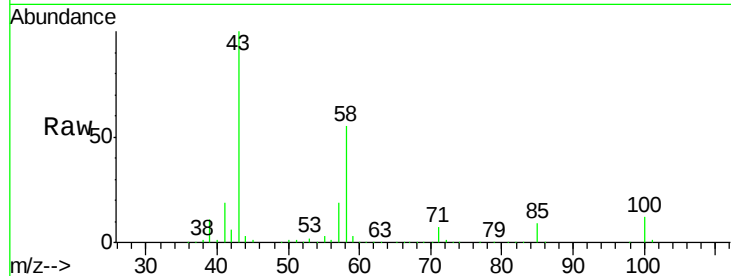
#59
2-Hexanone
Concen: 101.72 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion: 43 Resp: 299694
Ion Ratio Lower Upper
43 100
58 53.1 26.2 78.5

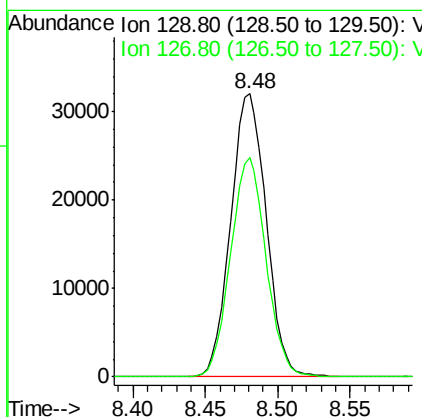
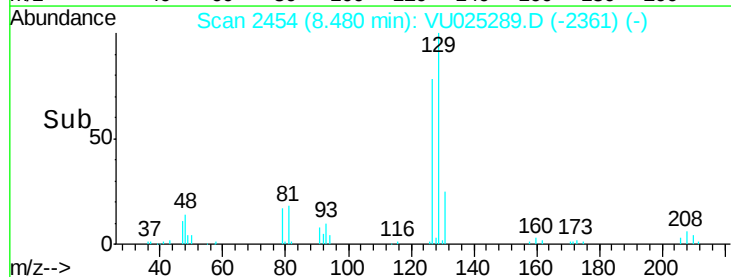
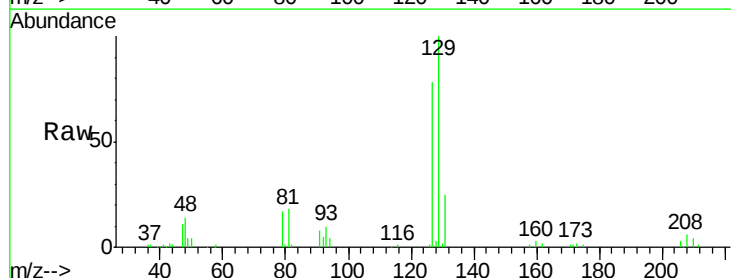
Manual Integrations
APPROVED

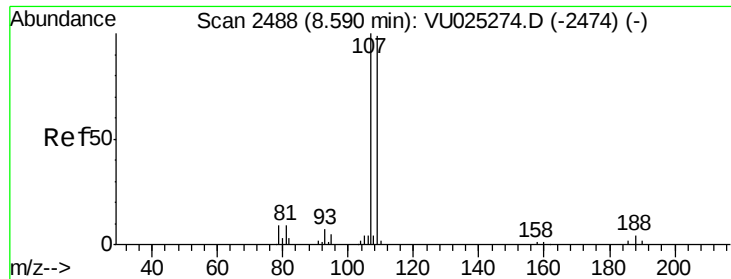
MMDadoda
7/11/2018 5:05:53 PM



#60
Dibromochloromethane
Concen: 21.08 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion: 129 Resp: 54383
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.24 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion:107 Resp: 54305

Ion Ratio Lower Upper

107 100

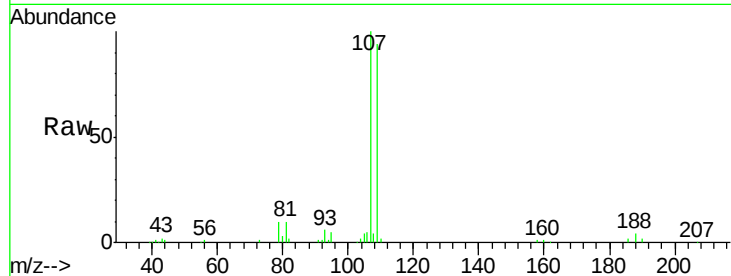
109 94.3 75.8 113.8

Manual Integrations

APPROVED

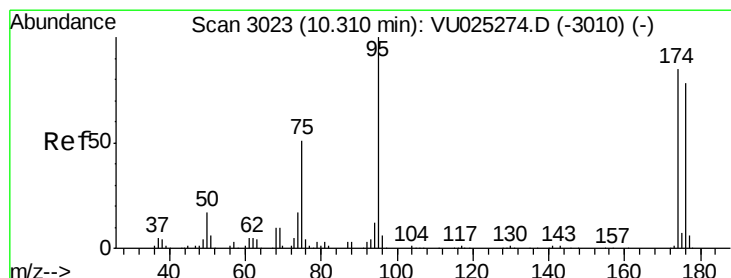
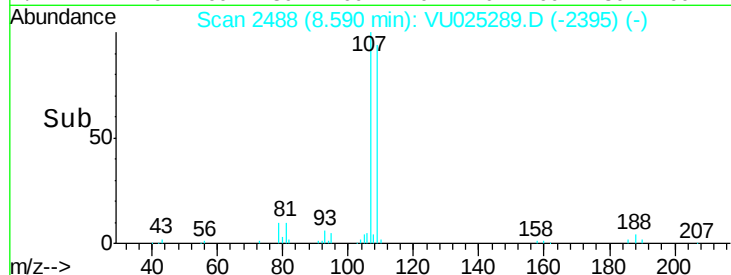
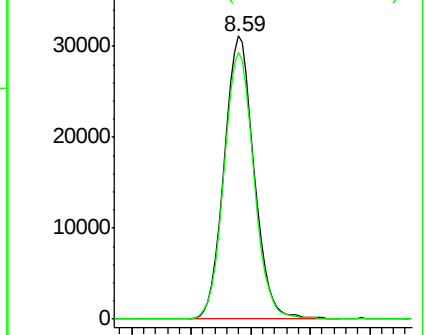
MMDadoda

7/11/2018 5:05:53 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.93 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

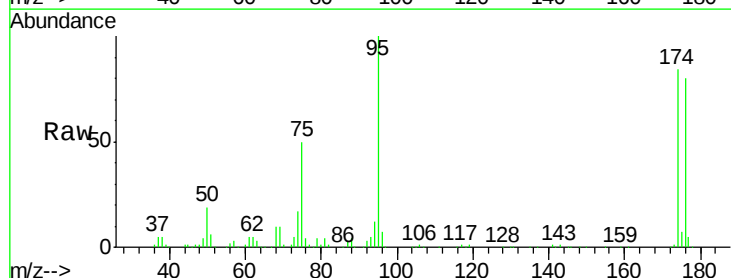
Tgt Ion: 95 Resp: 150347

Ion Ratio Lower Upper

95 100

174 85.2 0.0 172.2

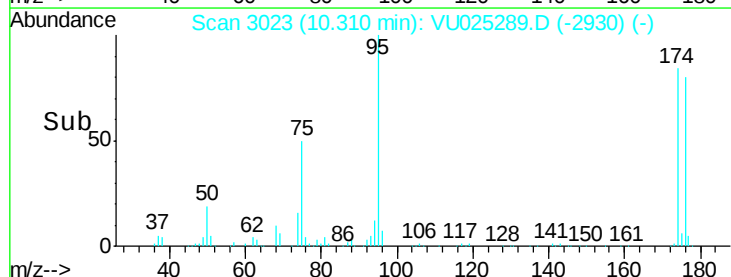
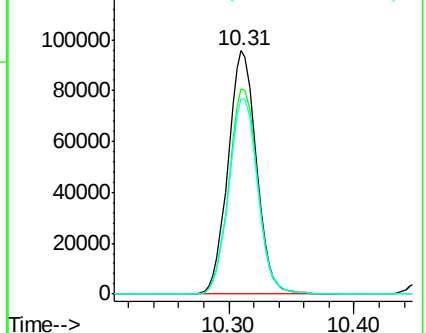
176 82.1 0.0 162.6

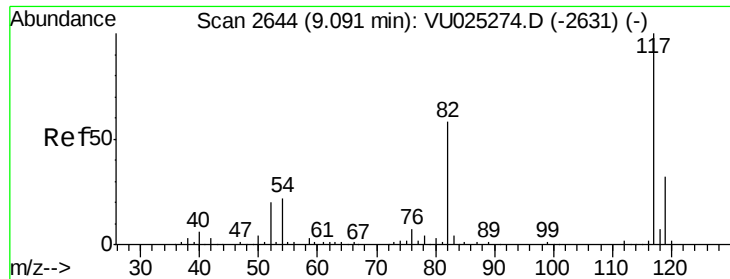


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





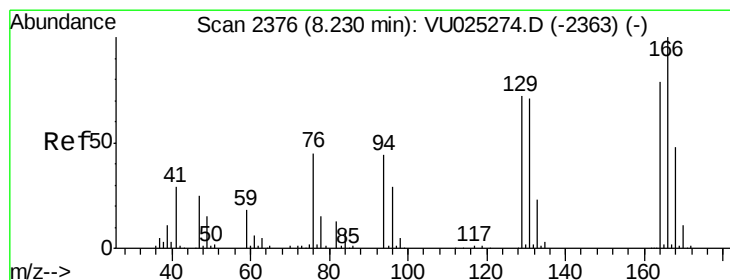
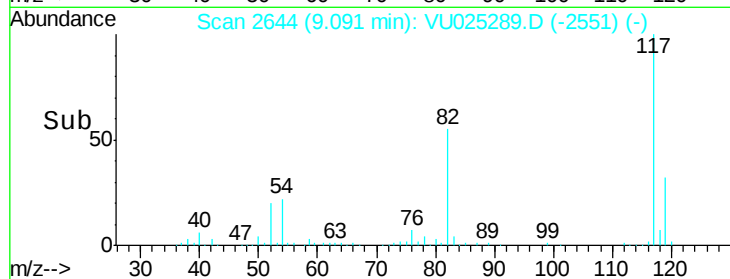
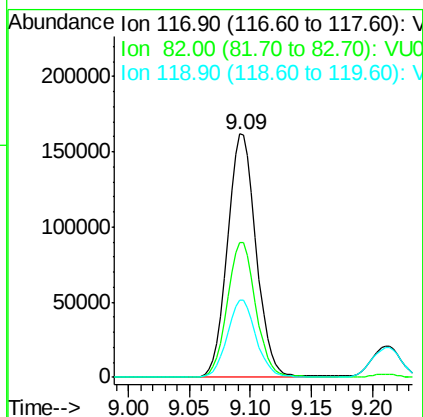
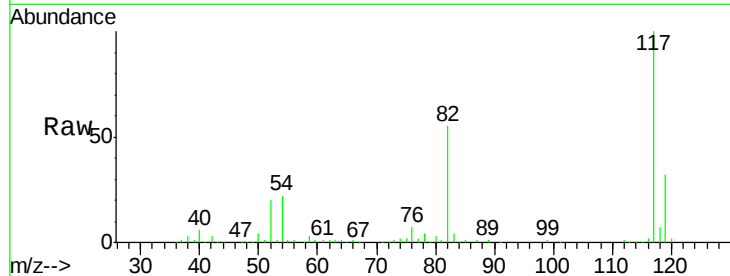
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267275		
82	55.3	46.0	69.0	
119	31.7	26.0	39.0	

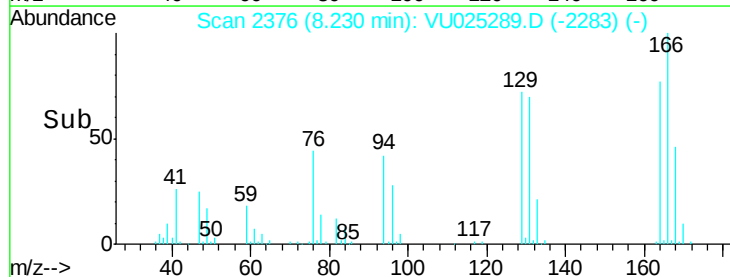
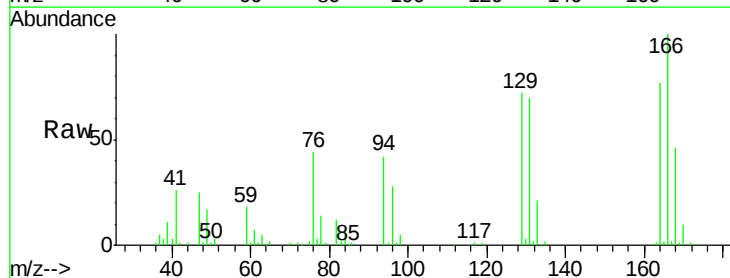
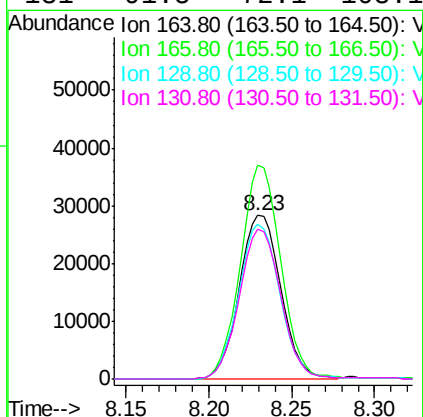
Manual Integrations
APPROVED

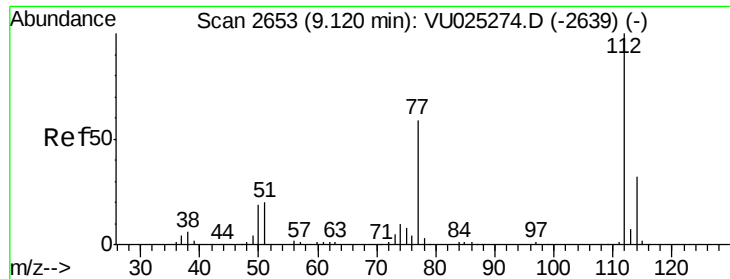
MMDadoda
7/11/2018 5:05:53 PM



#64
Tetrachloroethene
Concen: 20.36 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49609		
166	130.6	101.1	151.7	
129	94.7	73.0	109.6	
131	91.5	72.1	108.1	





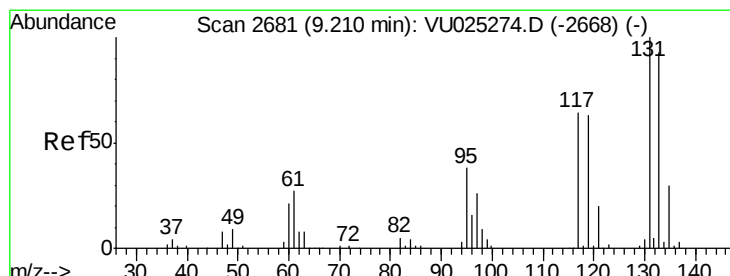
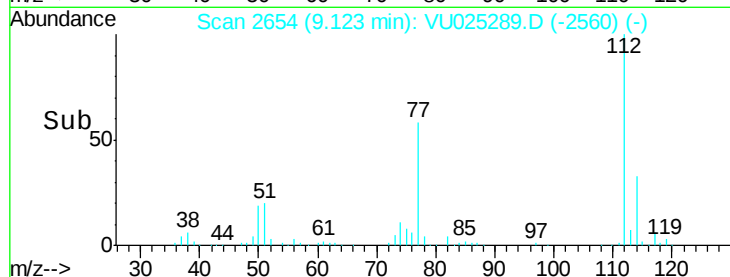
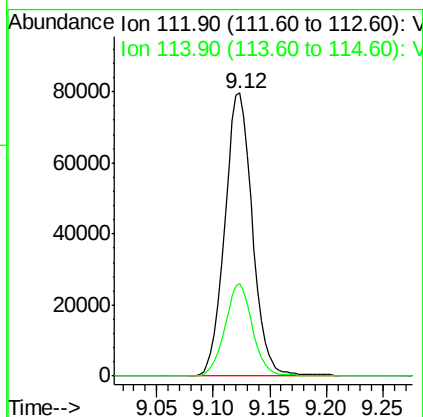
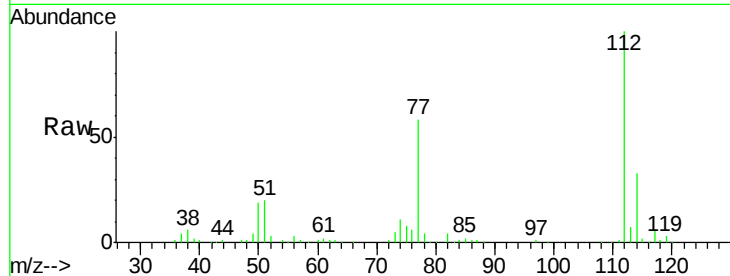
#65
Chlorobenzene
Concen: 20.34 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion:112 Resp: 135820
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

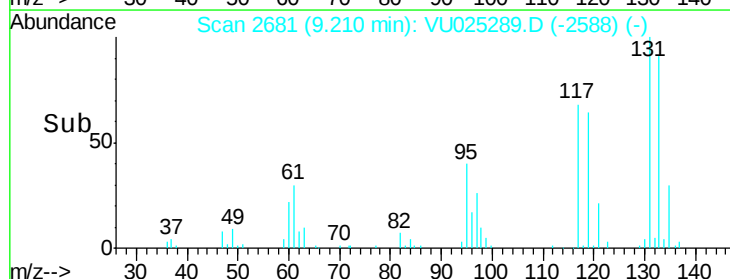
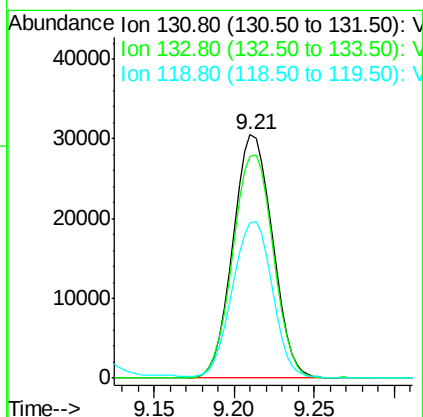
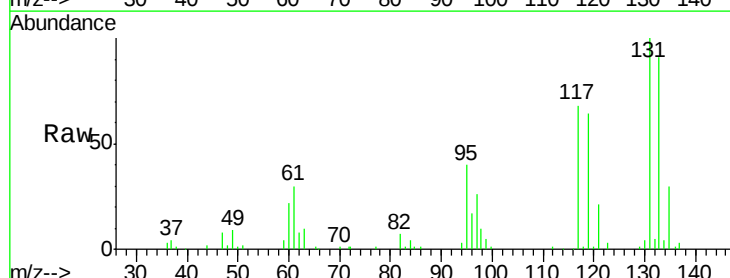
Manual Integrations
APPROVED

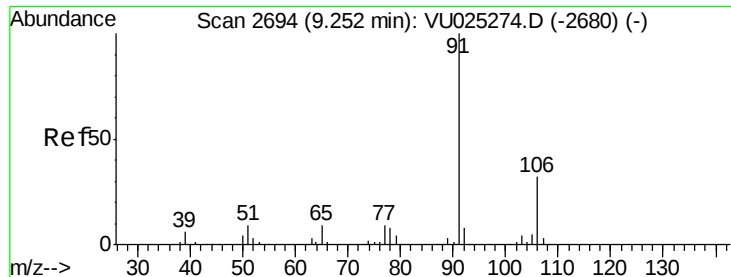
MMDadoda
7/11/2018 5:05:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.59 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion:131 Resp: 51573
Ion Ratio Lower Upper
131 100
133 93.6 47.8 143.3
119 65.1 31.6 95.0





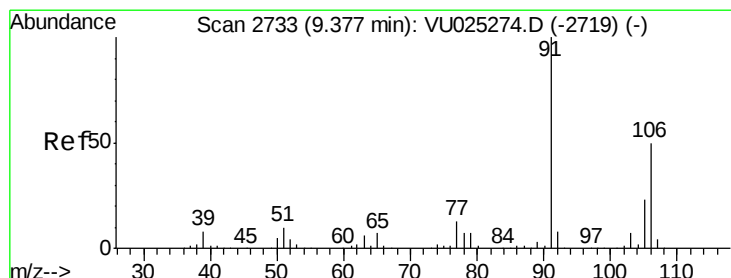
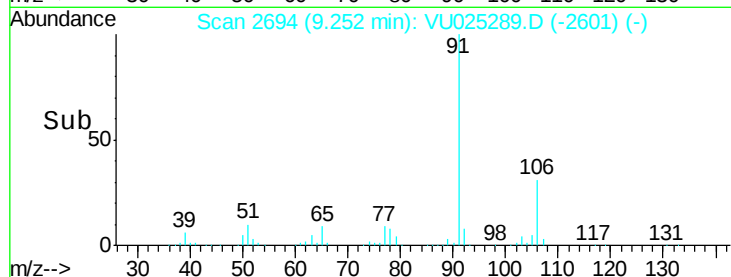
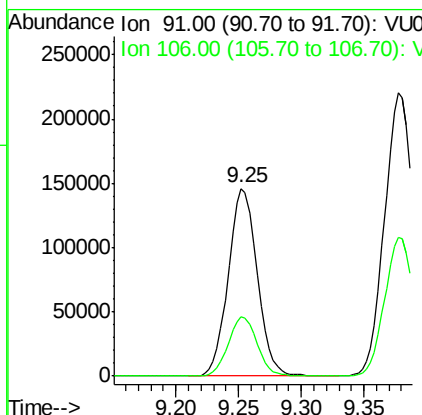
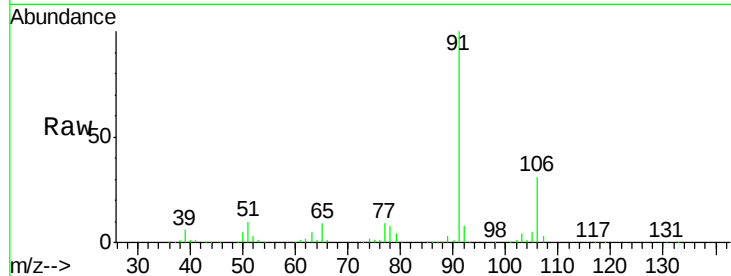
#67
Ethyl Benzene
Concen: 20.56 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion: 91 Resp: 234056
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

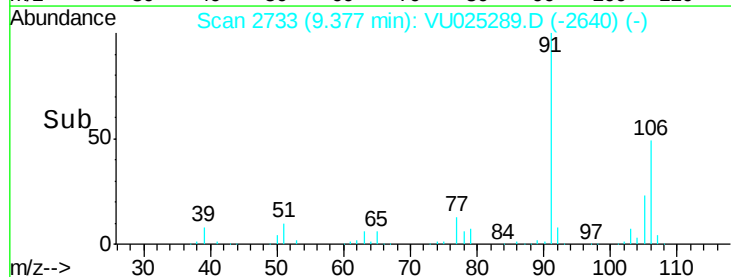
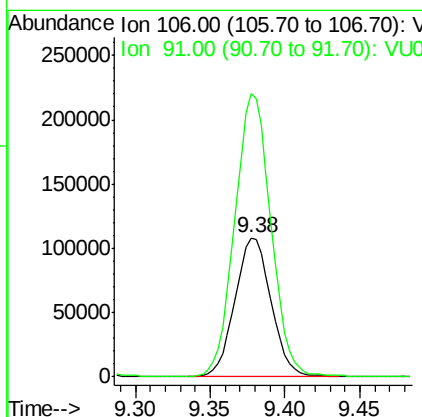
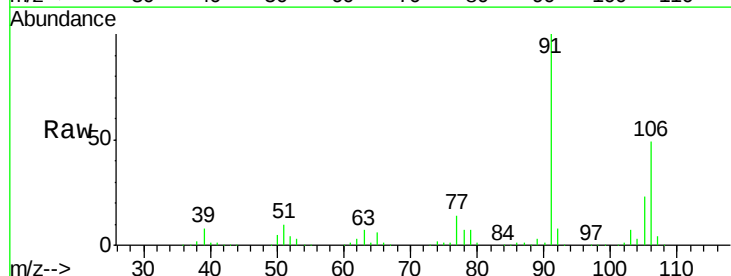
Manual Integrations
APPROVED

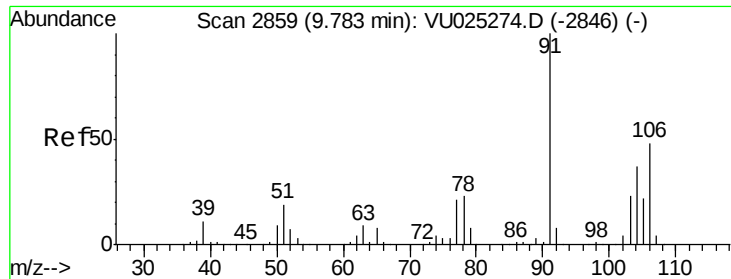
MMDadoda
7/11/2018 5:05:53 PM



#68
m/p-Xylenes
Concen: 41.17 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion: 106 Resp: 181165
Ion Ratio Lower Upper
106 100
91 205.8 162.3 243.5





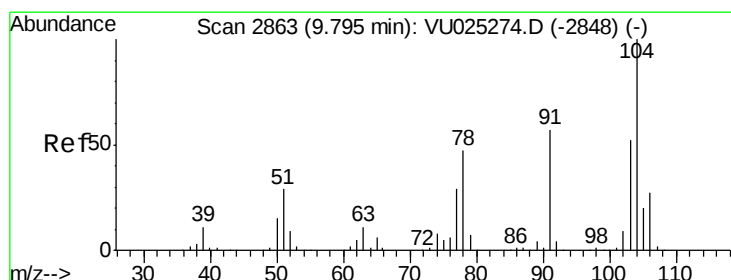
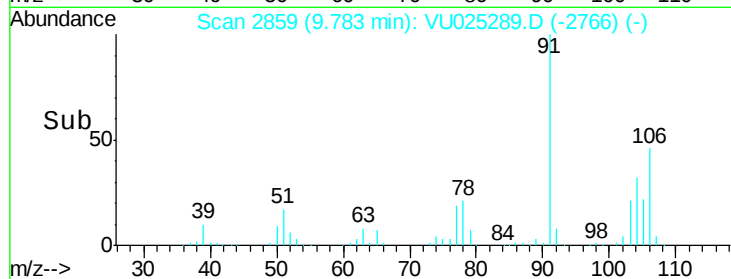
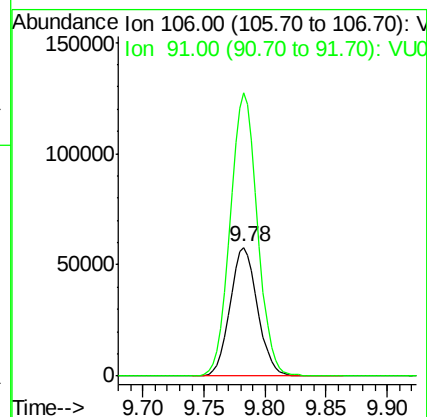
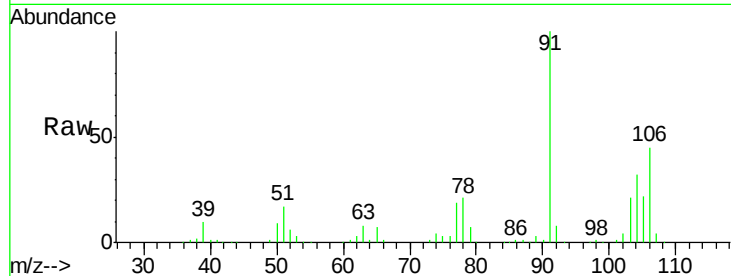
#69
o-Xylene
Concen: 20.74 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion:106 Resp: 91356
Ion Ratio Lower Upper
106 100
91 218.8 105.3 315.8

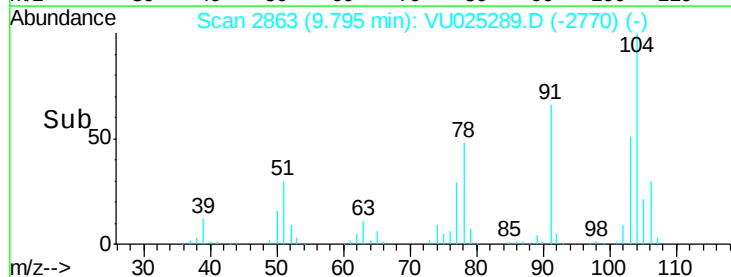
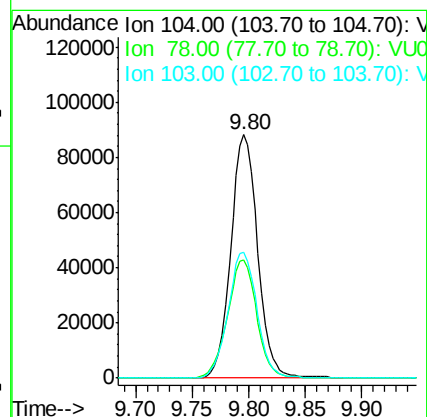
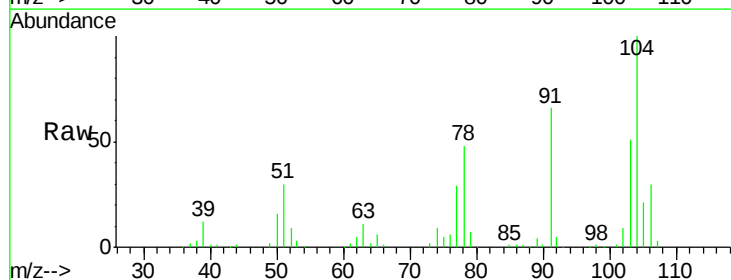
Manual Integrations
APPROVED

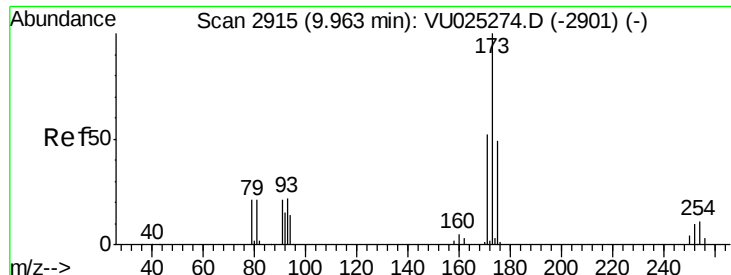
MMDadoda
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#70
Styrene
Concen: 20.88 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion:104 Resp: 146155
Ion Ratio Lower Upper
104 100
78 52.7 41.6 62.4
103 55.6 44.6 66.8





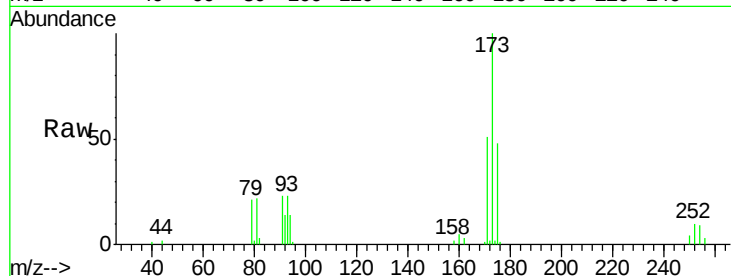
#71
Bromoform
Concen: 21.33 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

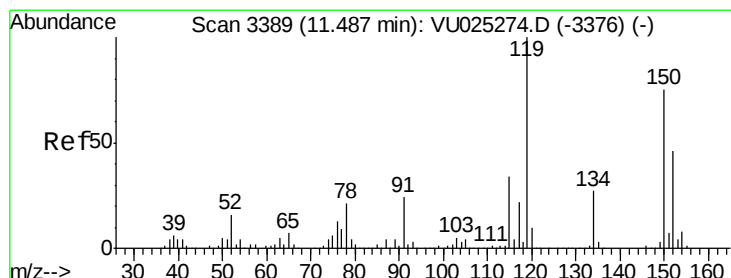
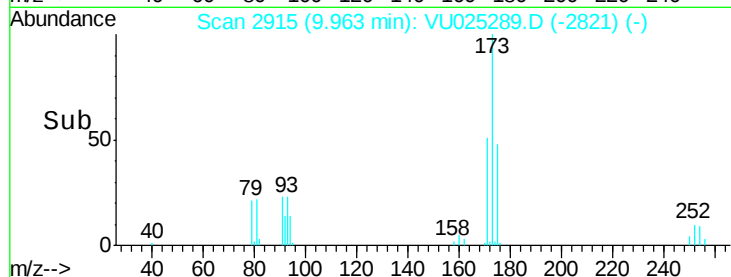
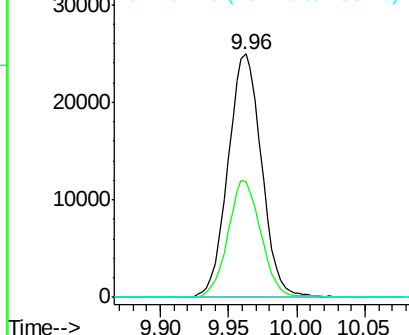
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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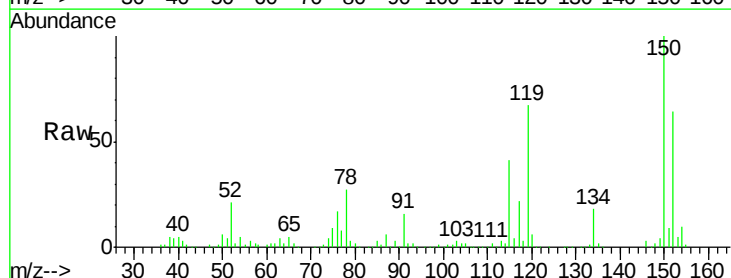


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

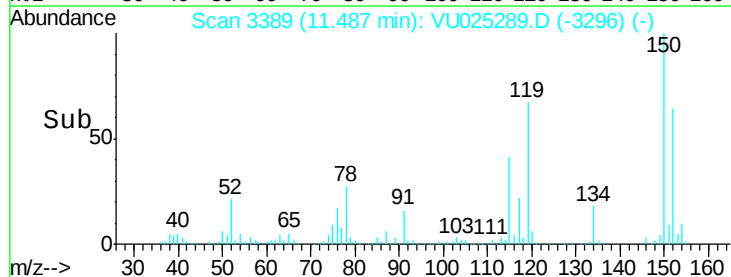
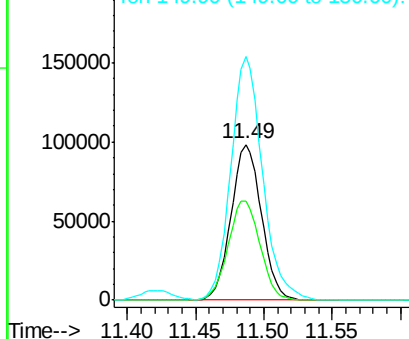


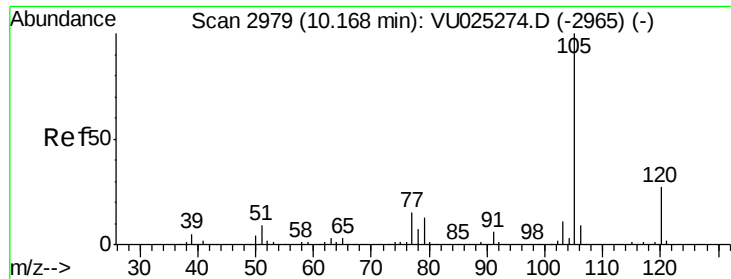
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.0	40.1	120.3
150	162.7	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.88 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion: 105 Resp: 243341

Ion Ratio Lower Upper

105 100

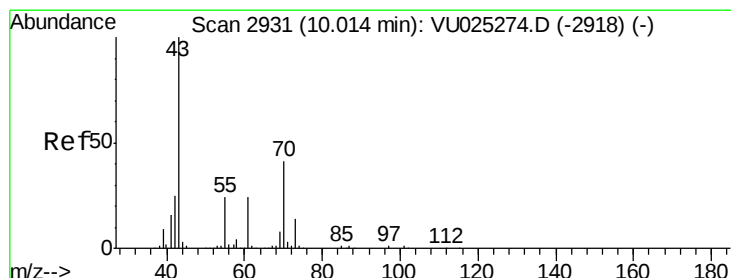
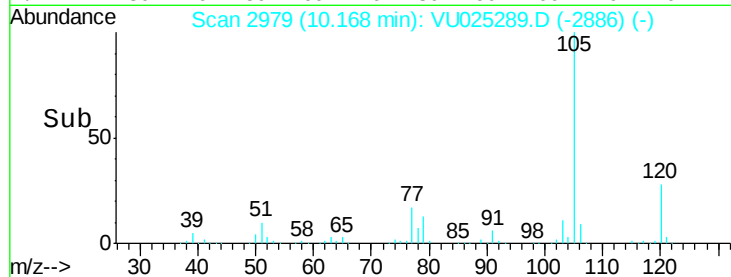
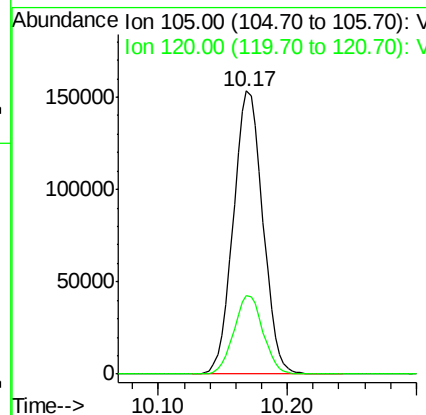
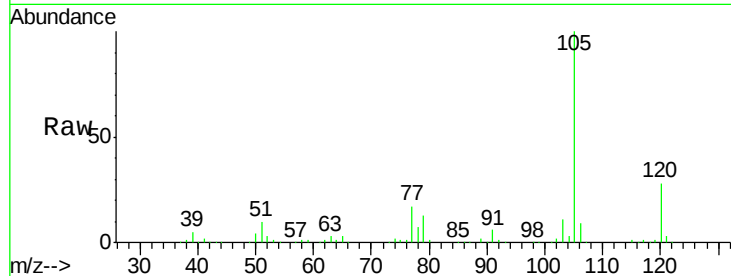
120 27.4 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.86 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion: 43 Resp: 100794

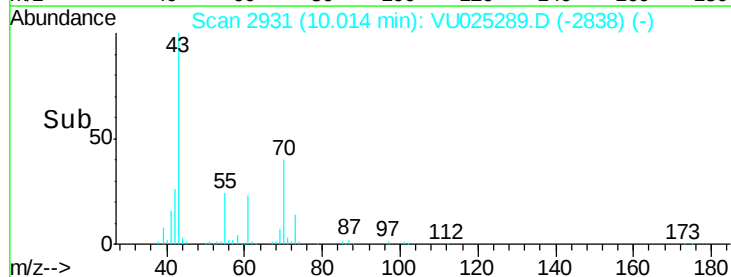
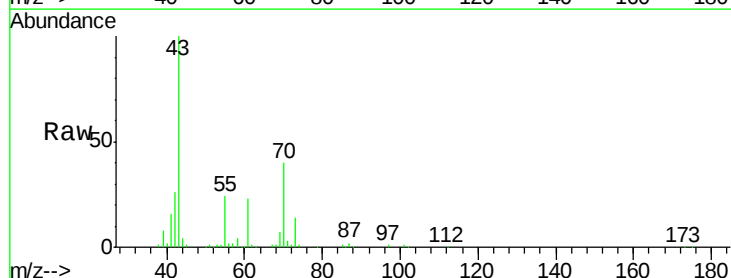
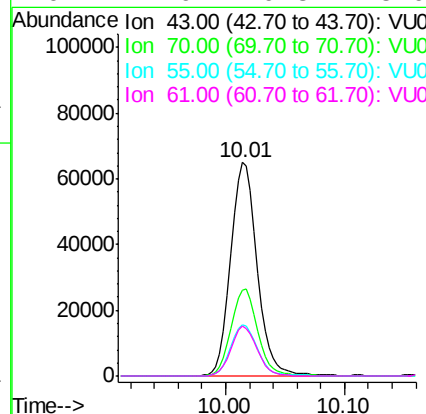
Ion Ratio Lower Upper

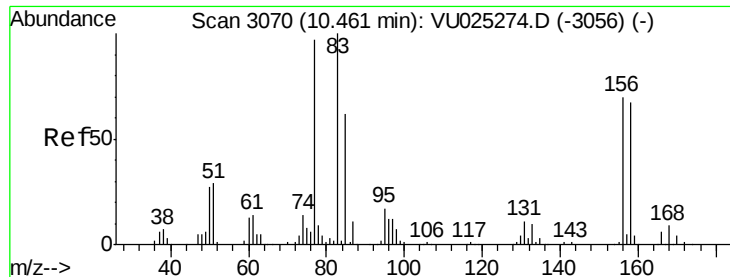
43 100

70 41.0 33.4 50.2

55 24.4 19.0 28.6

61 22.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.68 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

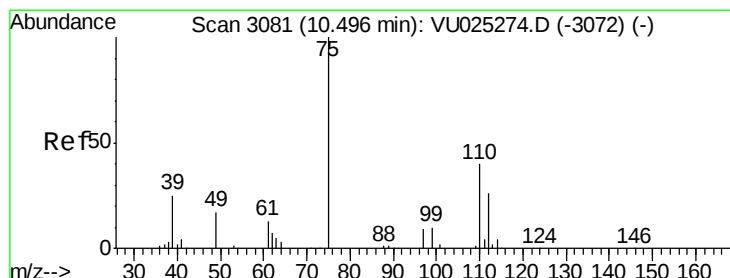
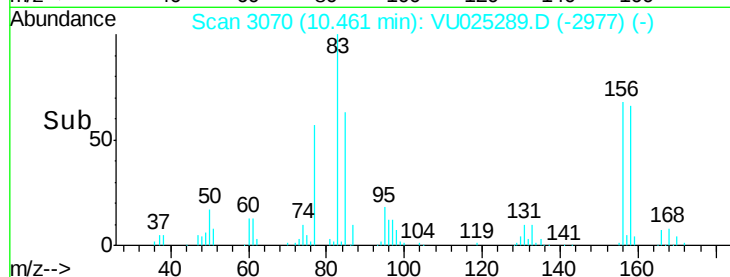
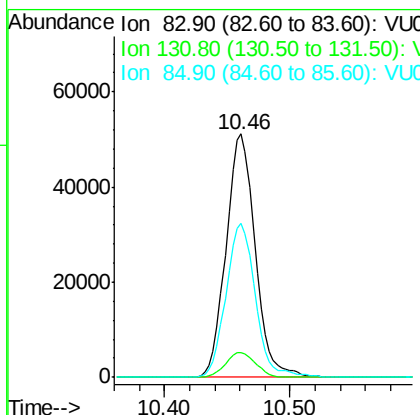
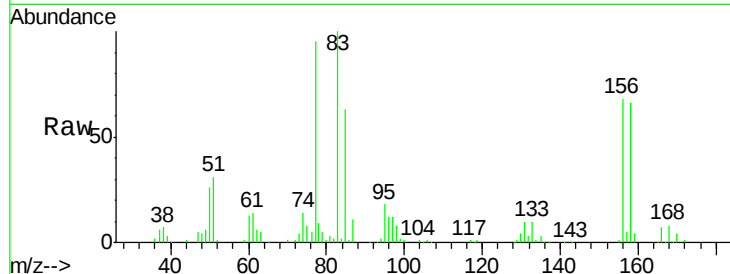
ClientSampleId :

VU0710WBS01

Tot Ion:	83	Resp:	82658
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.4
85	63.7	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.33 ug/l m

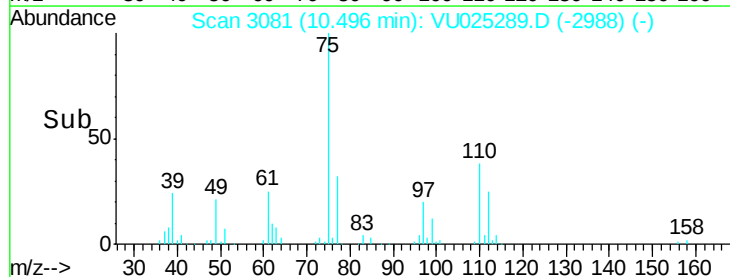
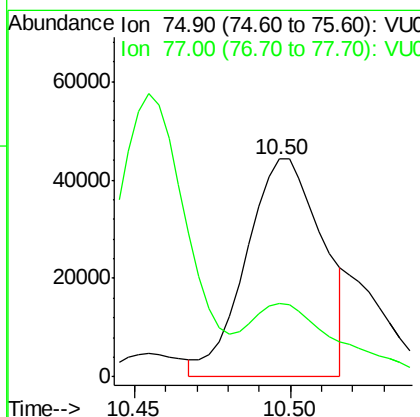
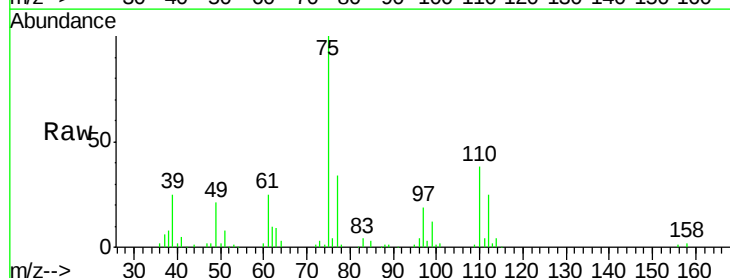
RT: 10.50 min Scan# 3081

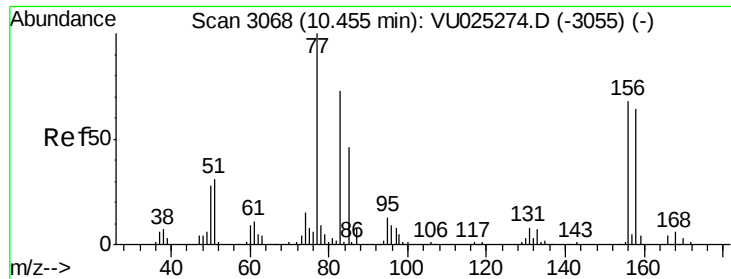
Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion:	75	Resp:	75138
Ion Ratio	Lower	Upper	
75	100		
77	38.9	20.4	61.3





#77

Bromobenzene

Concen: 20.65 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

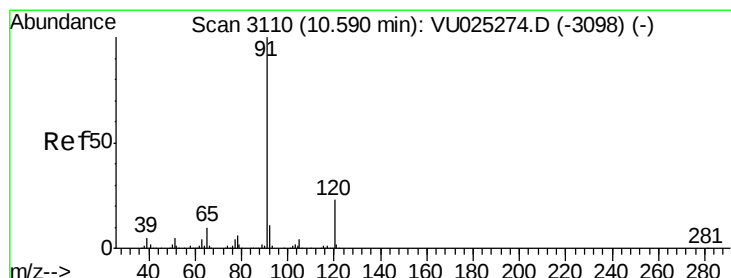
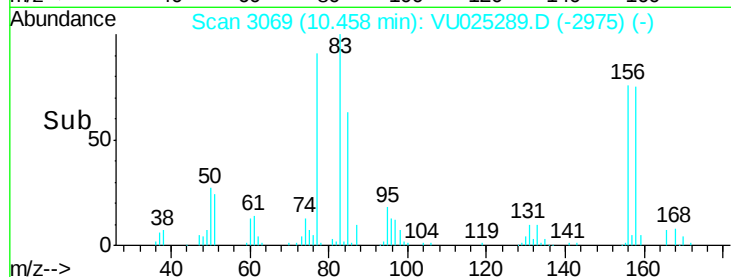
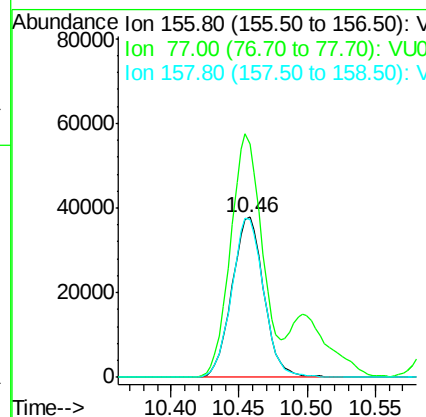
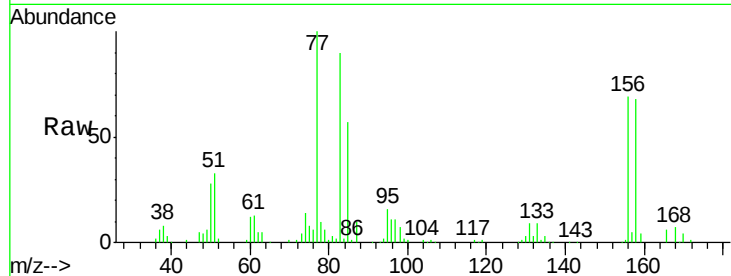
ClientSampleId :

VU0710WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.4	73.8	221.4
158	99.4	48.0	144.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.68 ug/l

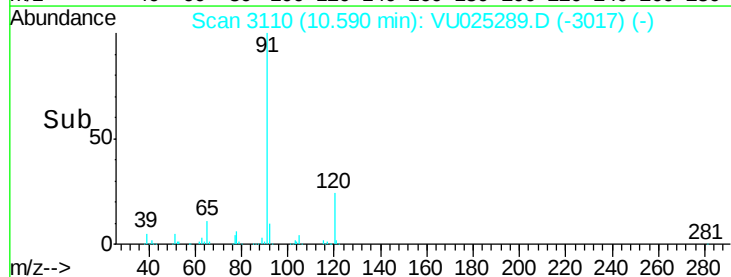
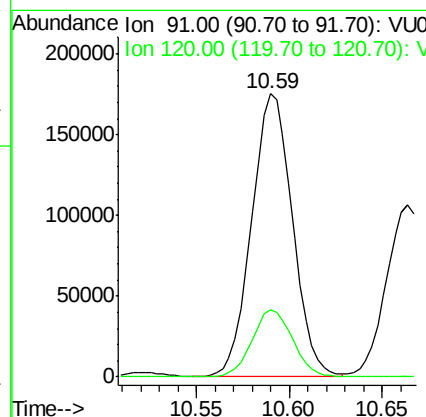
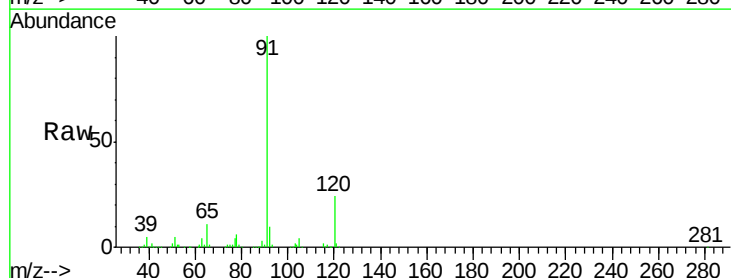
RT: 10.59 min Scan# 3110

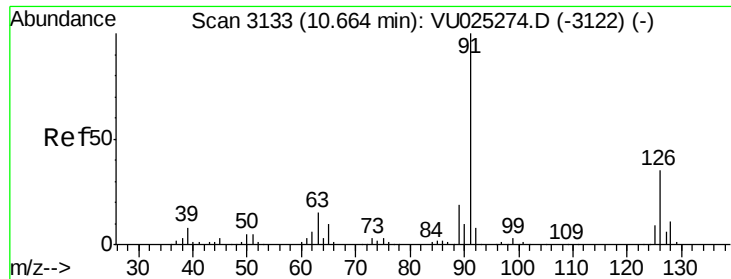
Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.3





#79

2-Chlorotoluene

Concen: 22.46 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBS01

Tot Ion: 91 Resp: 166164

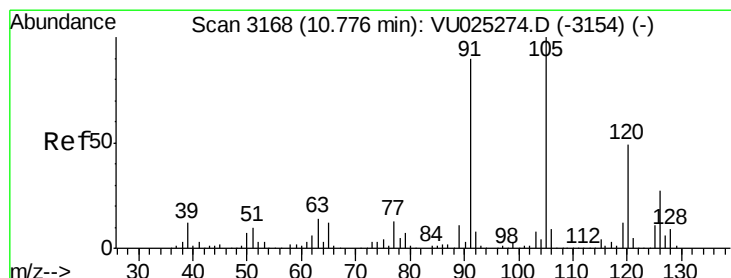
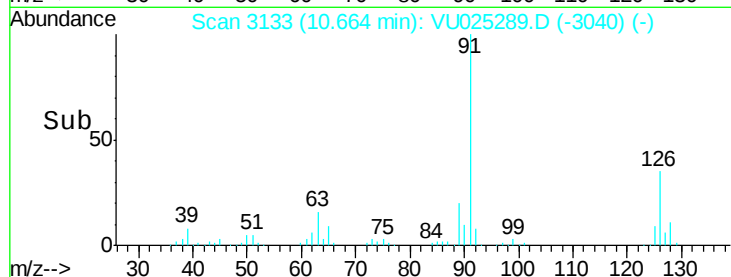
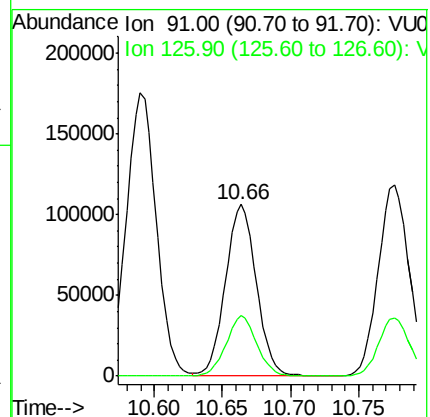
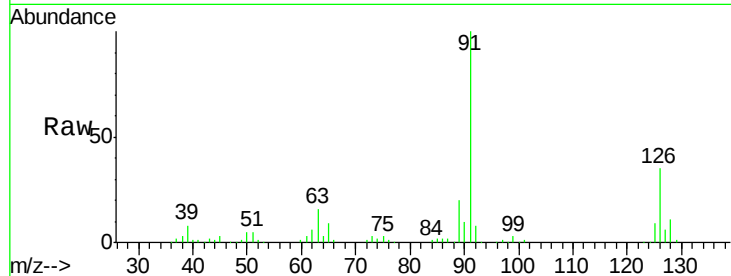
Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.24 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025289.D

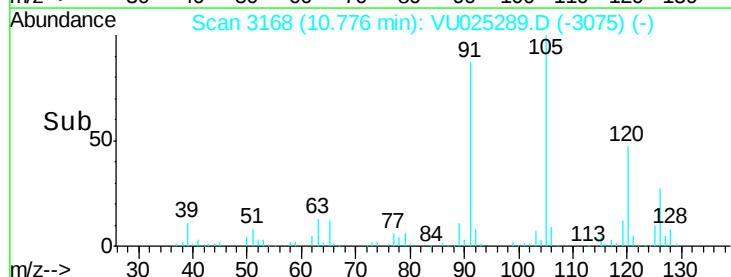
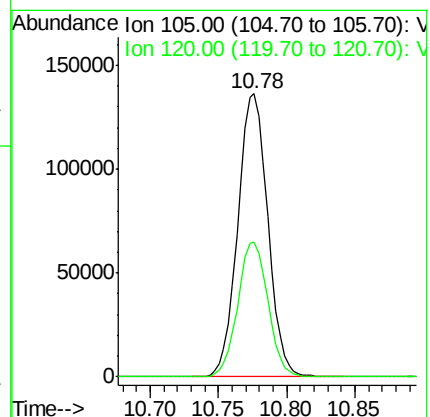
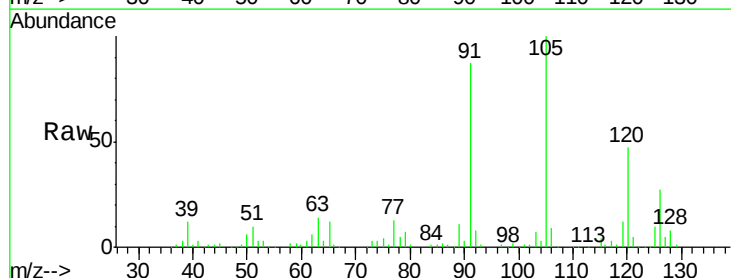
Acq: 10 Jul 2018 15:15

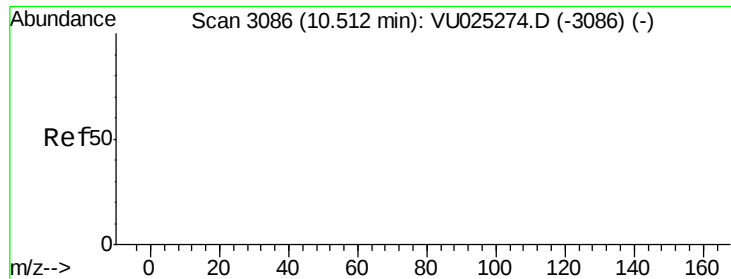
Tgt Ion: 105 Resp: 208255

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





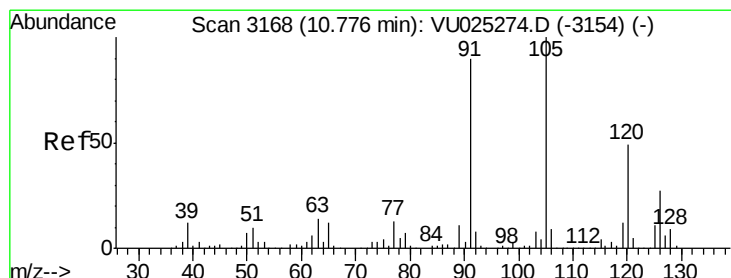
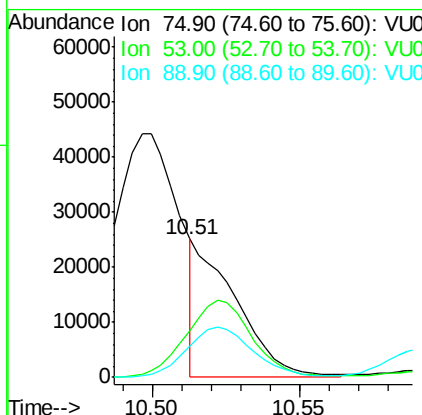
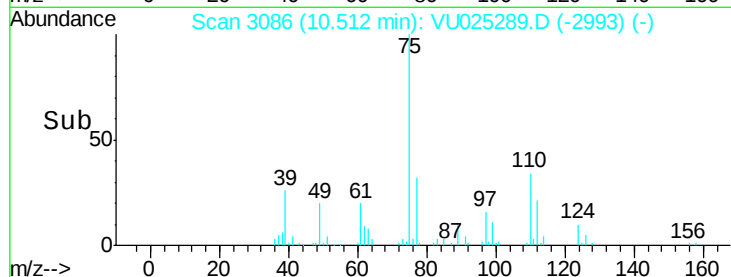
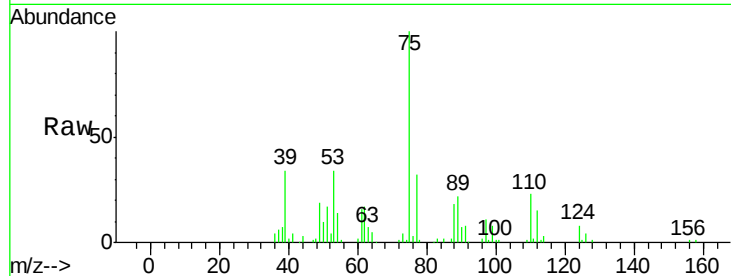
#81
trans-1,4-Dichloro-2-butene
Concen: 20.34 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

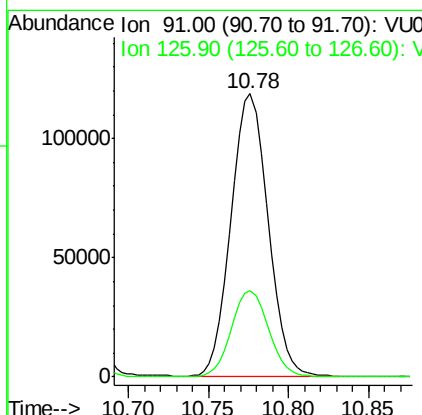
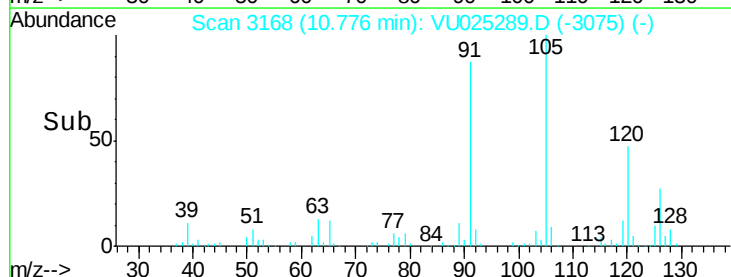
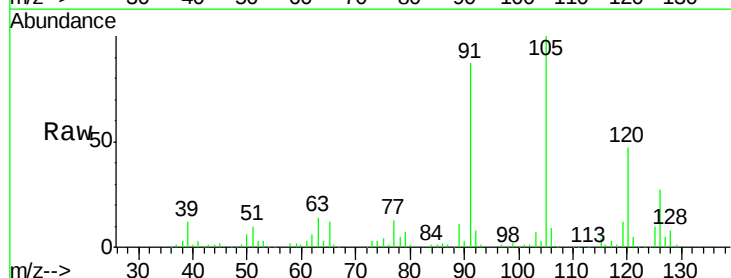
Manual Integrations
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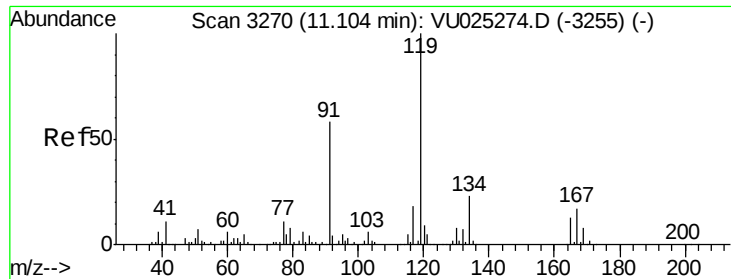
MMDadoda
7/11/2018 5:05:53 PM



#82
4-Chlorotoluene
Concen: 20.37 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.9





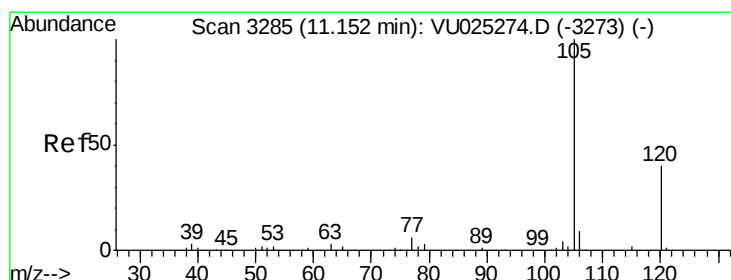
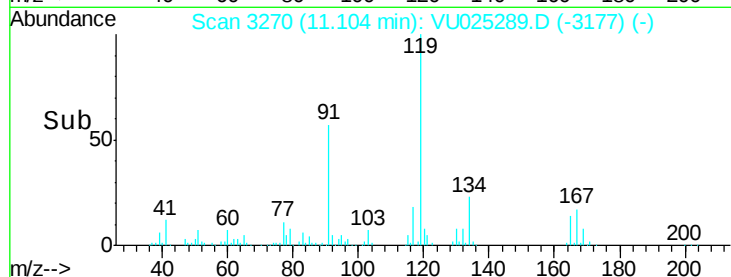
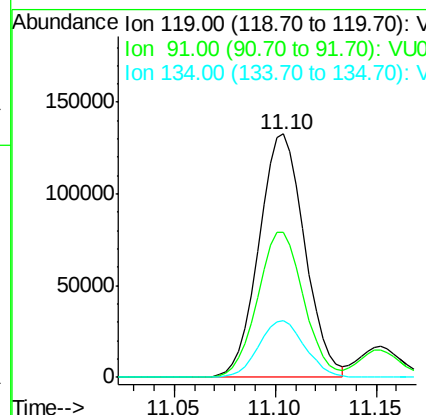
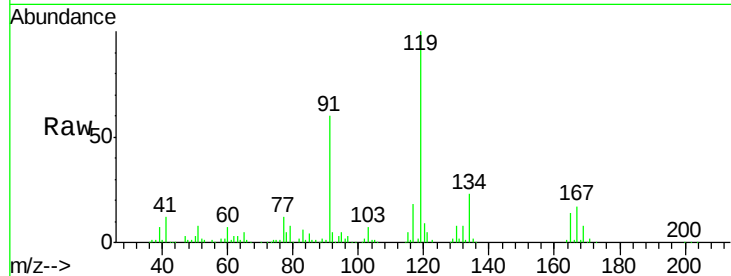
#83
tert-Butylbenzene
Concen: 21.22 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210275		
91	60.3	29.7	89.1	
134	23.4	11.5	34.5	

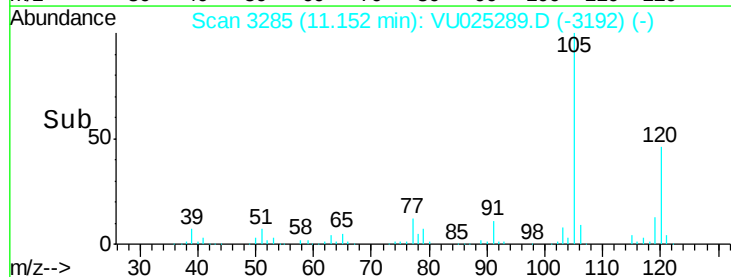
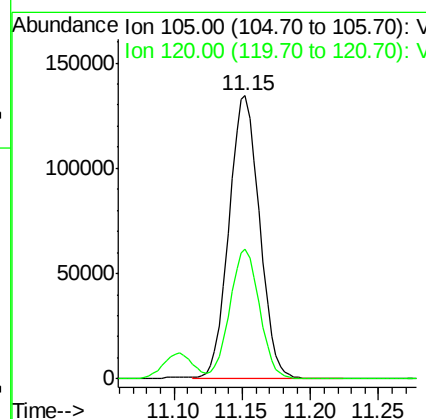
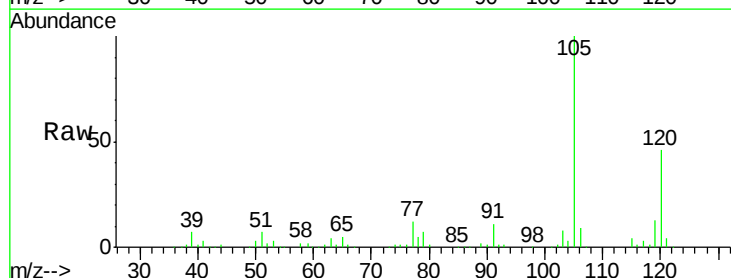
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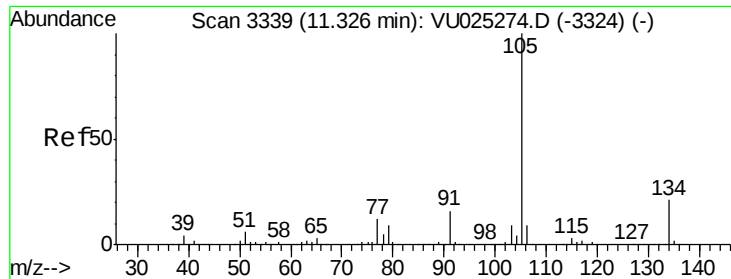
MMDadoda
7/11/2018 5:05:53 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.77 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	208723		
120	44.8	22.3	66.8	





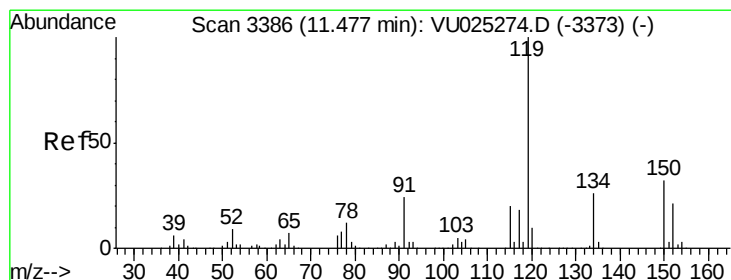
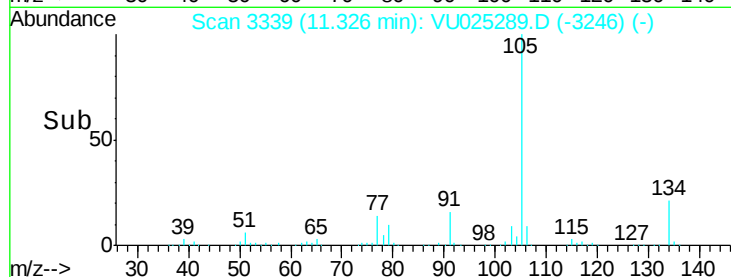
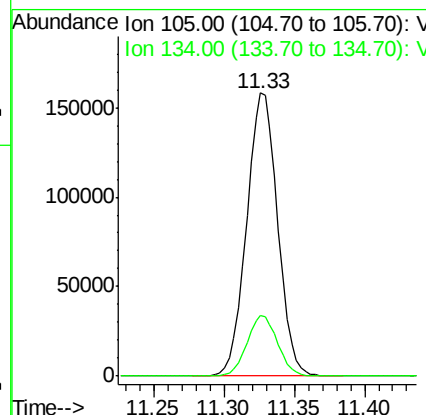
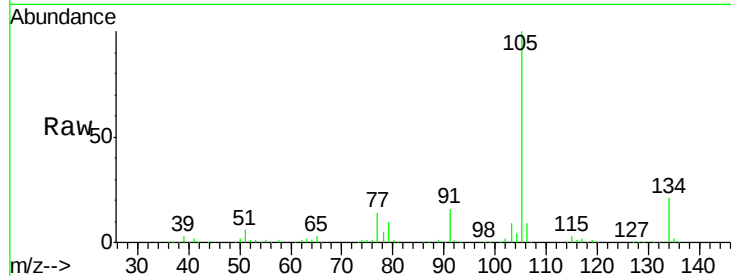
#85
 sec-Butylbenzene
 Concen: 20.85 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.3	30.8

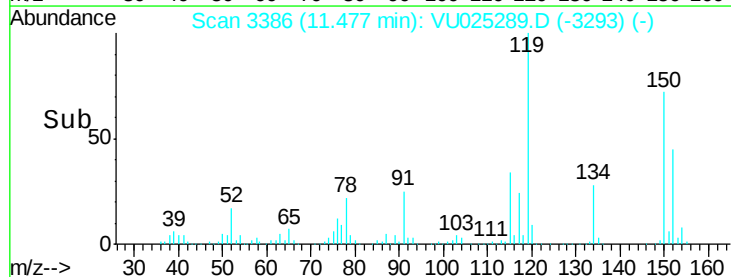
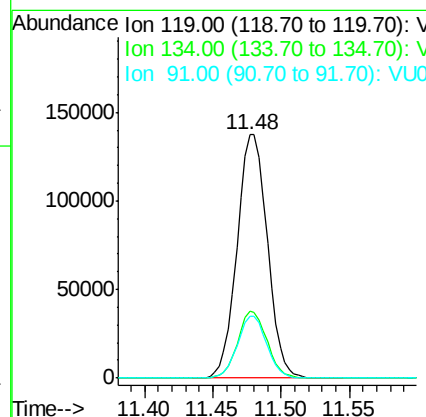
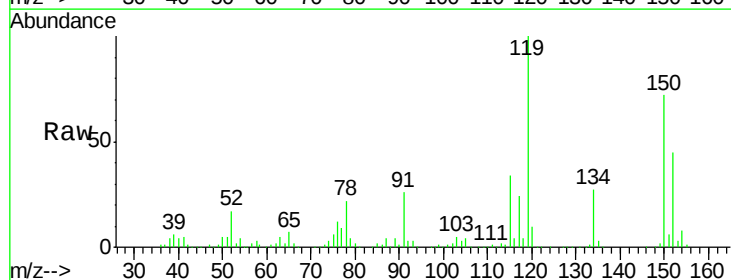
Manual Integrations
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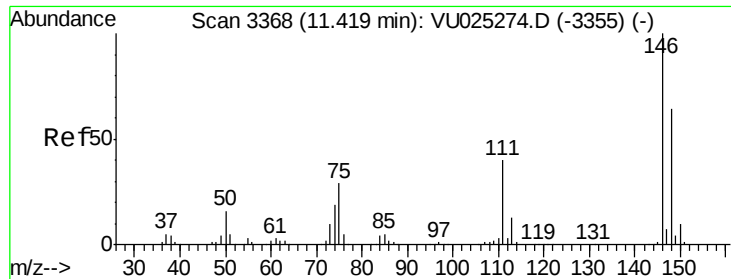
MMDadoda
 7/11/2018 5:05:53 PM



#86
 p-Isopropyltoluene
 Concen: 20.50 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.5
91	24.7	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 20.03 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

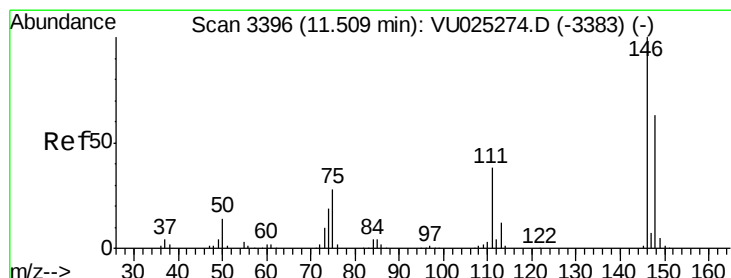
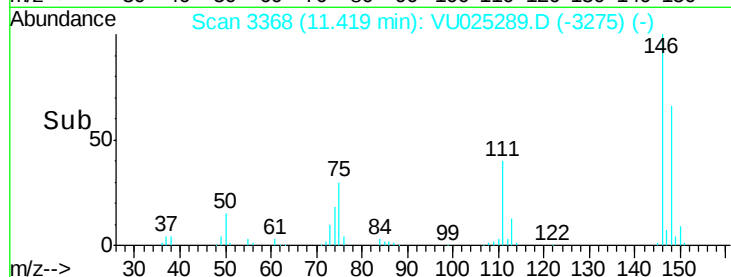
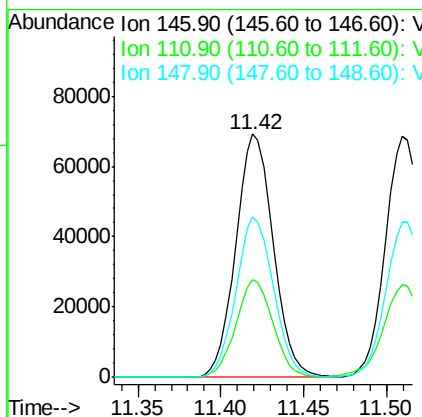
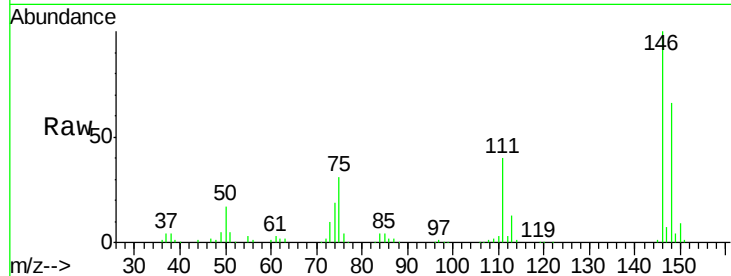
ClientSampleId :

VU0710WBS01

Tot Ion:	146	Resp:	109153
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.7	59.1
148	65.8	32.1	96.3

Manual Integrations
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7/11/2018 5:05:53 PM



#88

1,4-Dichlorobenzene

Concen: 21.37 ug/l

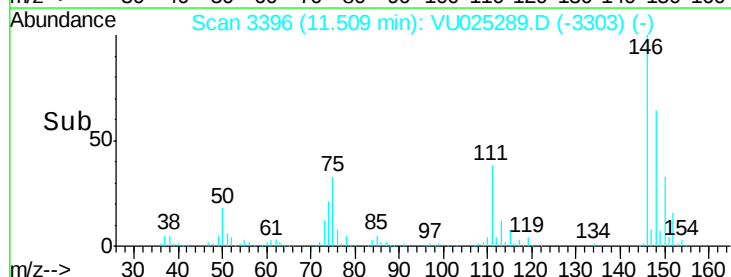
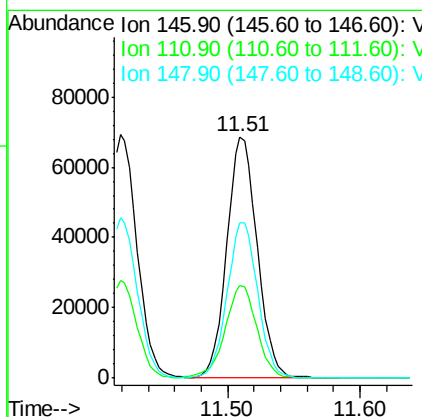
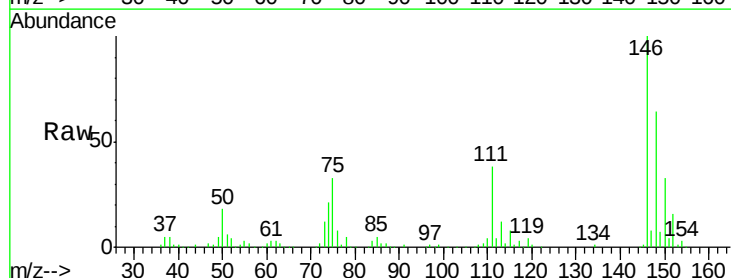
RT: 11.51 min Scan# 3396

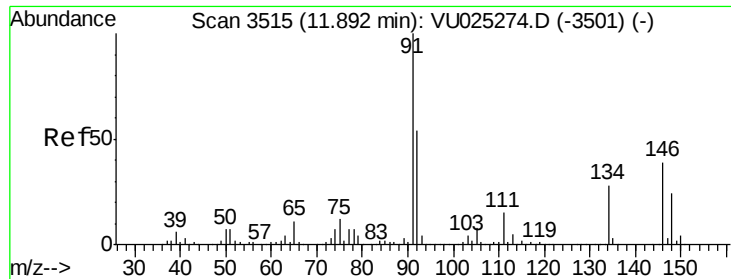
Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion:	146	Resp:	109066
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.4	58.1
148	65.2	31.7	95.1





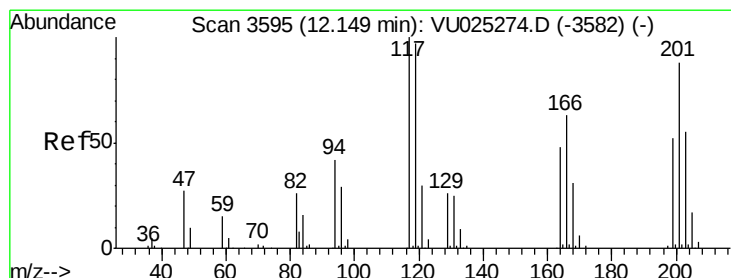
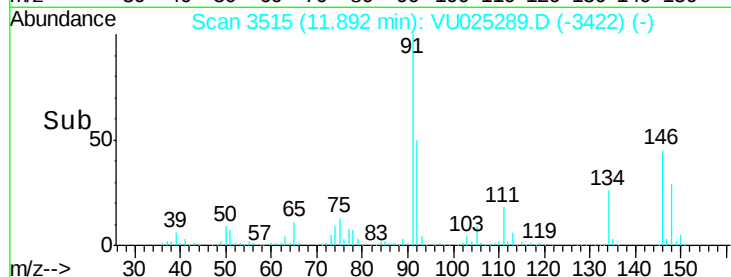
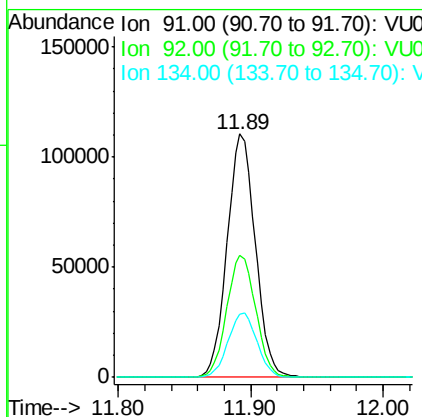
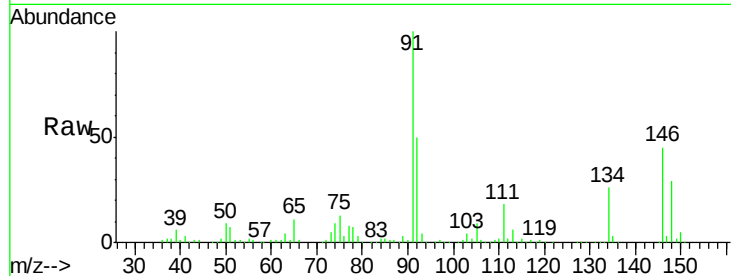
#89
n-Butylbenzene
Concen: 19.23 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.5
134	27.0	13.6	40.7

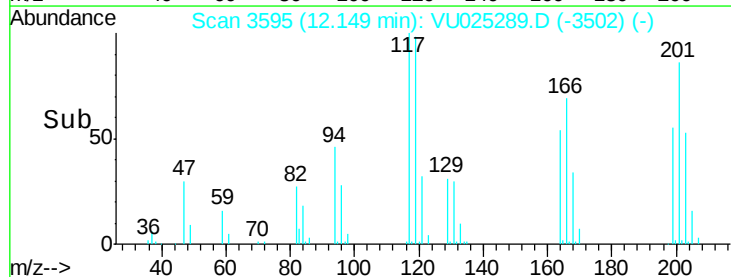
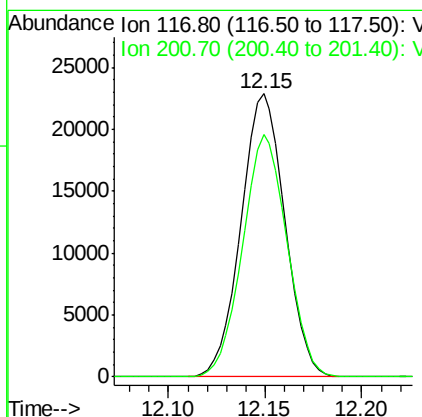
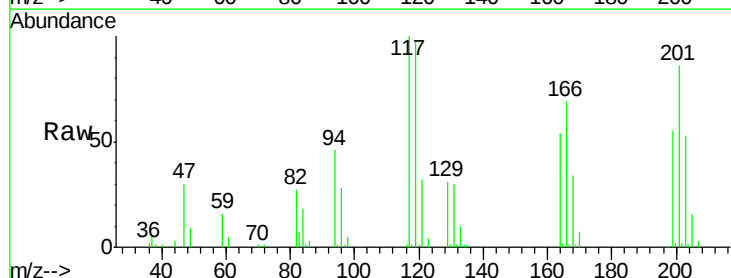
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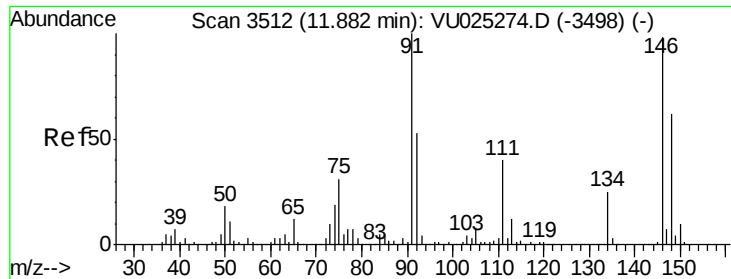
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#90
Hexachloroethane
Concen: 20.58 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025289.D
Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 21.08 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

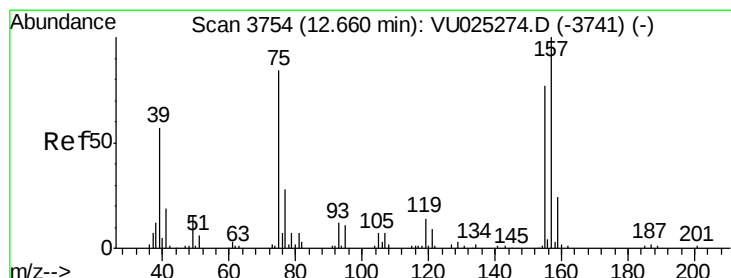
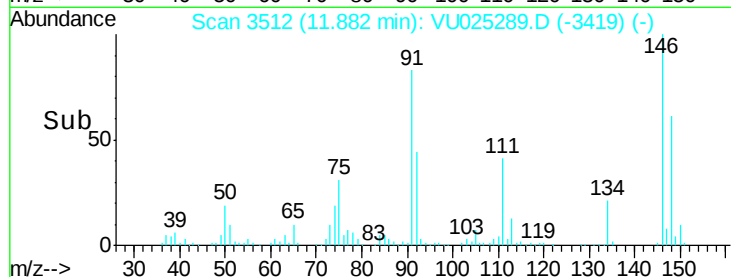
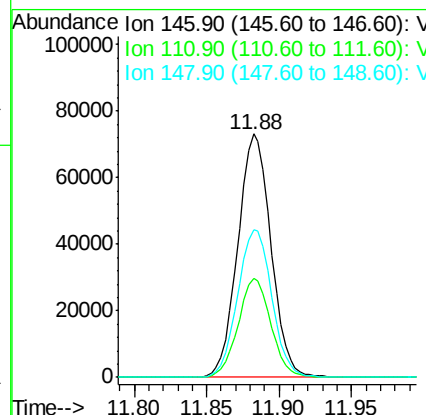
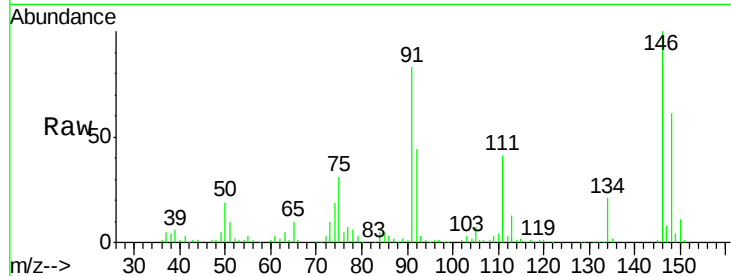
ClientSampleId :

VU0710WBS01

Tot Ion:	146	Resp:	115977
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.6	61.8
148	62.7	31.5	94.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.23 ug/l

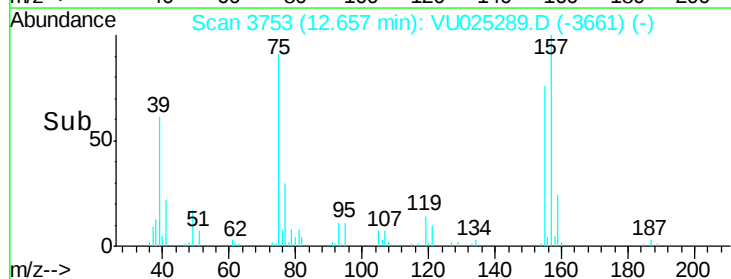
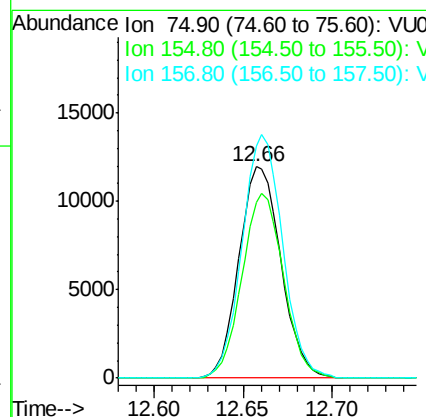
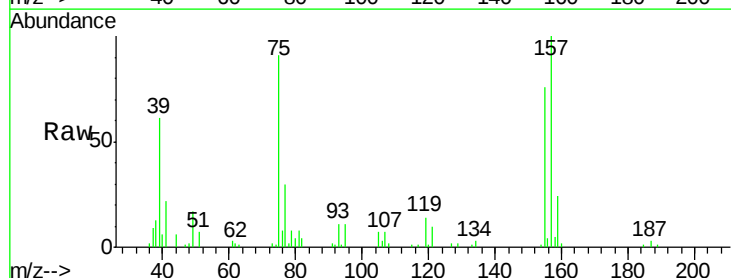
RT: 12.66 min Scan# 3753

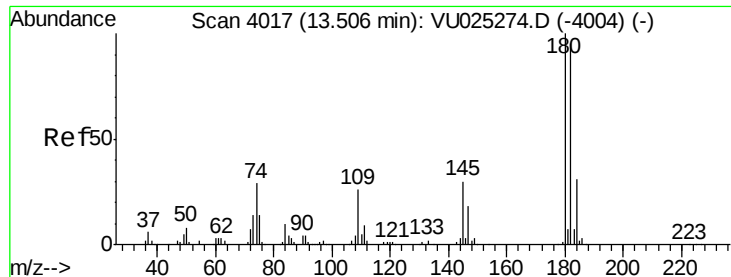
Delta R.T. -0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion:	75	Resp:	19631
Ion Ratio	Lower	Upper	
75	100		
155	85.6	44.5	133.3
157	111.1	57.0	170.8





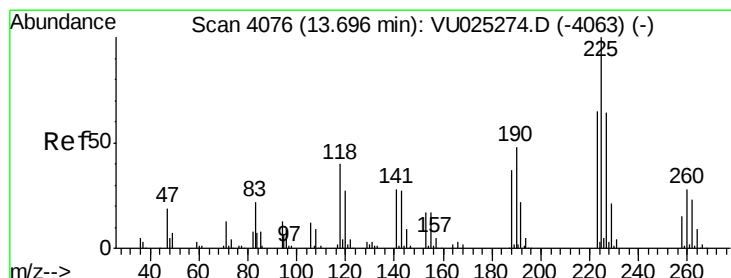
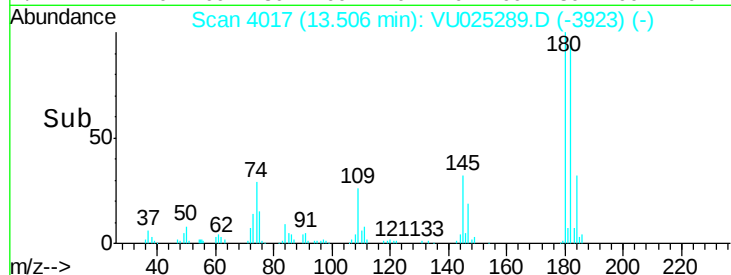
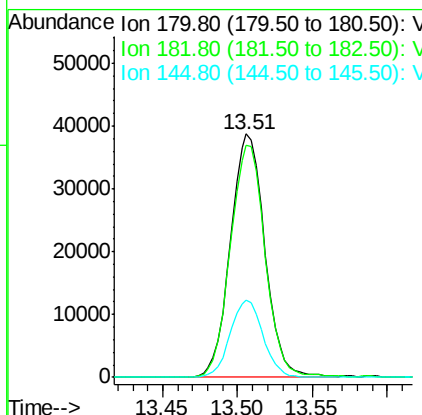
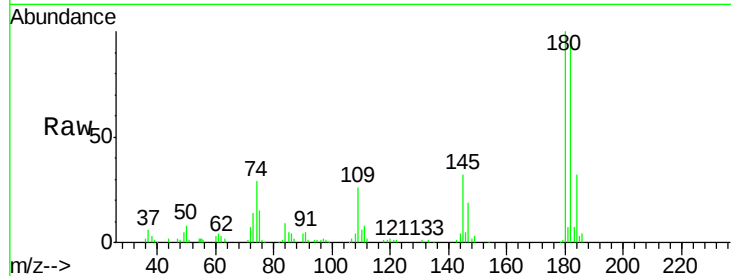
#93
 1,2,4-Trichlorobenzene
 Concen: 19.02 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.9
145	30.4	14.9	44.7

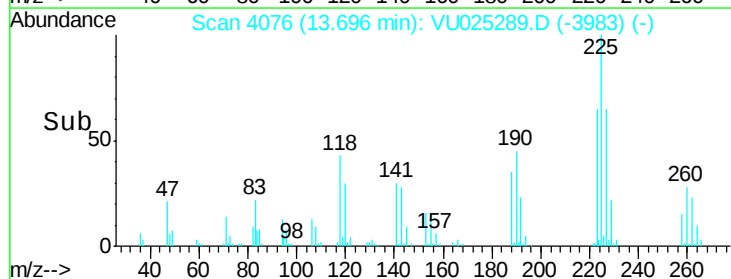
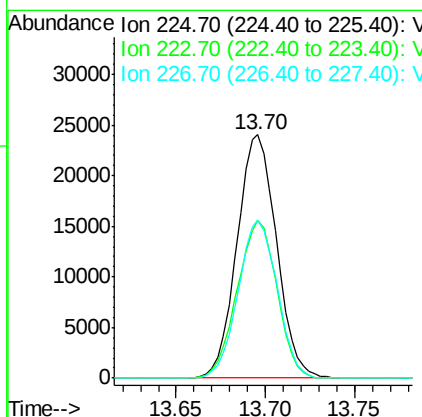
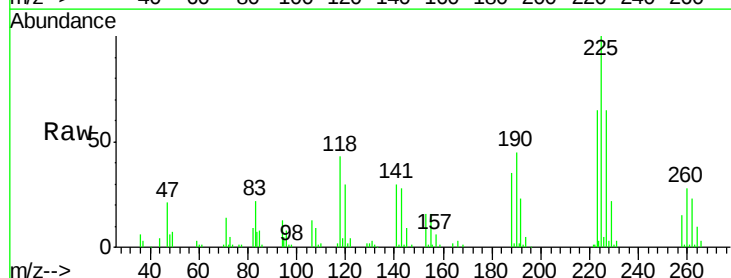
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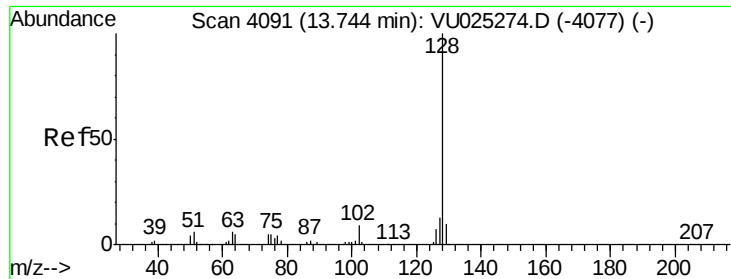
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#94
 Hexachlorobutadiene
 Concen: 18.83 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025289.D
 Acq: 10 Jul 2018 15:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.9	95.7
227	64.2	32.3	96.9





#95

Naphthalene

Concen: 19.66 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Instrument :

MSVOA_U

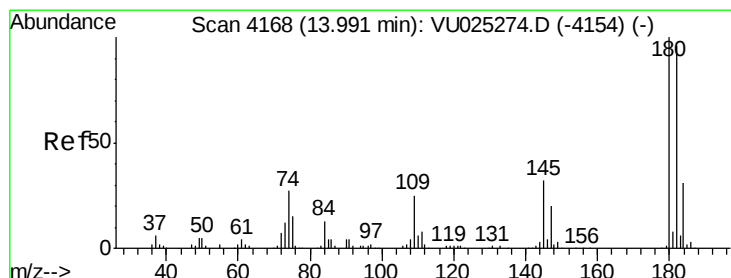
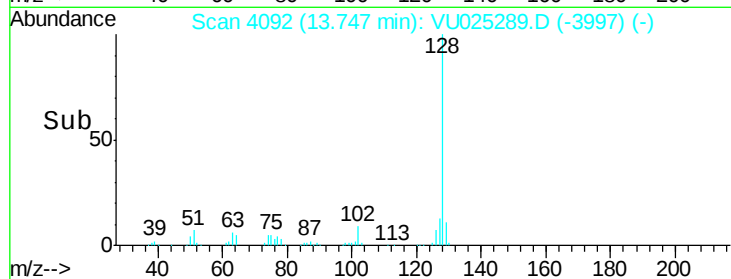
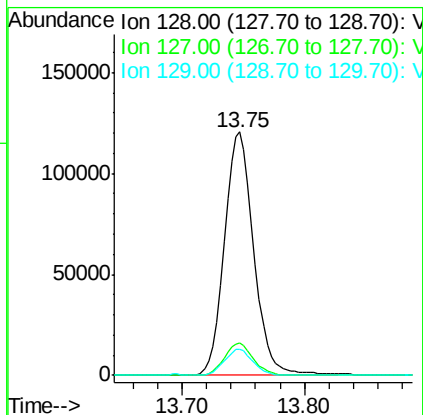
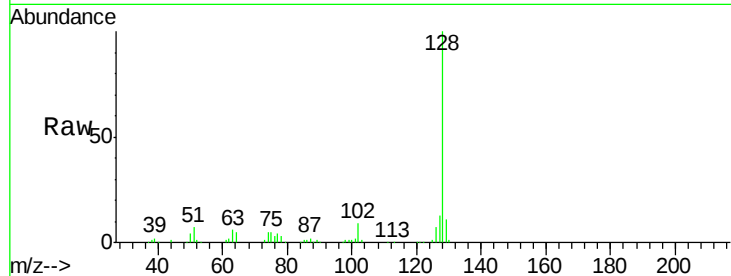
ClientSampleId :

VU0710WBS01

Tot Ion:	128	Resp:	202989
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.2	8.3	12.5

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.19 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025289.D

Acq: 10 Jul 2018 15:15

Tgt Ion:	180	Resp:	69581
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.8	143.3
145	31.5	15.6	46.8

