

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073018\
 Data File : VU025717.D
 Acq On : 30 Jul 2018 12:20
 Operator : MD/SY
 Sample : VU0730WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 1:23:26 PM

Quant Time: Jul 31 03:31:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	167032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	252385	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	247378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151506	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	133577	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	4.89	113	106422	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	7.57	98	376158	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	10.31	95	142068	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	52236	20.69	ug/l	98
3) Chloromethane	1.33	50	43960	18.22	ug/l	100
4) Vinyl Chloride	1.41	62	43761	19.27	ug/l	98
5) Bromomethane	1.63	94	23925	21.57	ug/l	99
6) Chloroethane	1.70	64	24866	18.73	ug/l	95
7) Trichlorofluoromethane	1.89	101	64987	19.79	ug/l	96
8) Diethyl Ether	2.10	74	23488	19.77	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36741	19.34	ug/l	99
10) Methyl Iodide	2.41	142	24460	20.03	ug/l	99
11) Tert butyl alcohol	2.82	59	57277	100.52	ug/l	99
12) 1,1-Dichloroethene	2.29	96	33896	18.90	ug/l	96
13) Acrolein	2.20	56	17679	84.33	ug/l	98
14) Allyl chloride	2.59	41	62366	19.35	ug/l	97
15) Acrylonitrile	2.94	53	114189	100.37	ug/l	99
16) Acetone	2.32	43	115858	91.31	ug/l	98
17) Carbon Disulfide	2.48	76	109190	18.81	ug/l	98
18) Methyl Acetate	2.62	43	67768	22.19	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	135718	20.88	ug/l	100
20) Methylene Chloride	2.71	84	43007	19.13	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	40326	19.45	ug/l	98
22) Diisopropyl ether	3.58	45	132978	20.94	ug/l	92
23) Vinyl Acetate	3.53	43	557454	100.72	ug/l	99
24) 1,1-Dichloroethane	3.45	63	76029	19.94	ug/l	99
25) 2-Butanone	4.26	43	169257	97.99	ug/l	98
26) 2,2-Dichloropropane	4.23	77	69180	19.96	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	46426	19.86	ug/l	98
28) Bromochloromethane	4.55	49	34411	20.19	ug/l	96
29) Tetrahydrofuran	4.64	42	104969	101.44	ug/l	98
30) Chloroform	4.68	83	79934	19.86	ug/l	99
31) Cyclohexane	5.00	56	66323	19.16	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	70784	19.54	ug/l	97
36) 1,1-Dichloropropene	5.14	75	57815	19.60	ug/l	100
37) Ethyl Acetate	4.38	43	58817	19.23	ug/l	98
38) Carbon Tetrachloride	5.14	117	63875	19.12	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	65085	19.26	ug/l	99
40) Benzene	5.39	78	167971	19.48	ug/l	97
41) Methacrylonitrile	4.55	41	34068	20.06	ug/l	98
42) 1,2-Dichloroethane	5.41	62	67364	20.29	ug/l	99
43) Isopropyl Acetate	5.55	43	100563	19.90	ug/l	99
44) Trichloroethene	6.19	130	47157	19.64	ug/l	99
45) 1,2-Dichloropropane	6.44	63	43539	19.36	ug/l	96
46) Dibromomethane	6.56	93	32990	20.25	ug/l	98
47) Bromodichloromethane	6.76	83	61772	19.88	ug/l	94
48) Methyl methacrylate	6.63	41	51281	20.70	ug/l	99
49) 1,4-Dioxane	6.62	88	25291	419.58	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	312326	98.71	ug/l	100
52) Toluene	7.64	92	107020	19.98	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	71565	20.51	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	74324	20.73	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	43996	19.77	ug/l	98
56) Ethyl methacrylate	8.02	69	63959	20.11	ug/l	97
57) 1,3-Dichloropropane	8.25	76	76695	20.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	122570	89.77	ug/l	99
59) 2-Hexanone	8.36	43	238496	96.16	ug/l	98
60) Dibromochloromethane	8.48	129	51925	19.78	ug/l	100
61) 1,2-Dibromoethane	8.59	107	49387	19.95	ug/l	99
64) Tetrachloroethene	8.23	164	41338	18.98	ug/l	97
65) Chlorobenzene	9.12	112	124556	19.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	46013	19.94	ug/l	97
67) Ethyl Benzene	9.25	91	204984	19.40	ug/l	100
68) m/p-Xylenes	9.38	106	162016	39.94	ug/l	98
69) o-Xylene	9.78	106	77192	19.47	ug/l	98
70) Styrene	9.80	104	125740	19.64	ug/l	99
71) Bromoform	9.96	173	39990	19.99	ug/l #	98
73) Isopropylbenzene	10.17	105	209291	20.24	ug/l	99
74) N-amyl acetate	10.01	43	85741	20.31	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	72100	20.16	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	65040m	19.48	ug/l	
77) Bromobenzene	10.45	156	56507	19.81	ug/l	99
78) n-propylbenzene	10.59	91	241196	19.98	ug/l	100
79) 2-Chlorotoluene	10.66	91	144505	20.44	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	179552	20.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	50257m	37.75	ug/l	
82) 4-Chlorotoluene	10.78	91	172243	20.67	ug/l	100
83) tert-Butylbenzene	11.10	119	175064	20.06	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	182444	20.50	ug/l	98
85) sec-Butylbenzene	11.33	105	212743	19.97	ug/l	100
86) p-Isopropyltoluene	11.48	119	194174	20.36	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	105752	19.98	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	108128	19.59	ug/l	99
89) n-Butylbenzene	11.89	91	173567	19.72	ug/l	100
90) Hexachloroethane	12.15	117	32137	18.95	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	105080	20.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17217	20.31	ug/l	96

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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	70294	20.07	ug/l	99
94) Hexachlorobutadiene	13.70	225	36569	19.81	ug/l	99
95) Naphthalene	13.75	128	198257	18.43	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	70798	20.26	ug/l	99

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

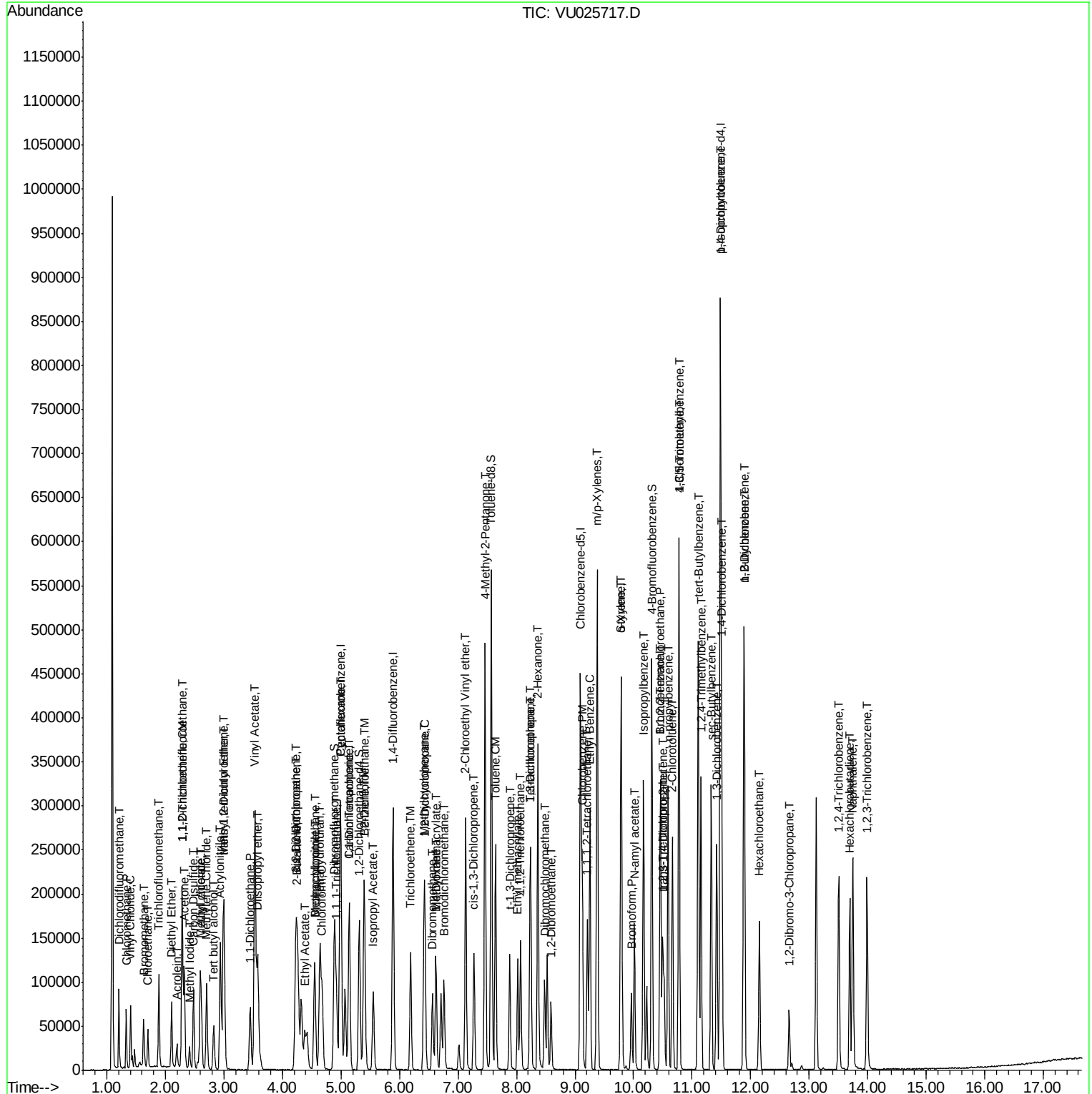
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Data File : VU025717.D
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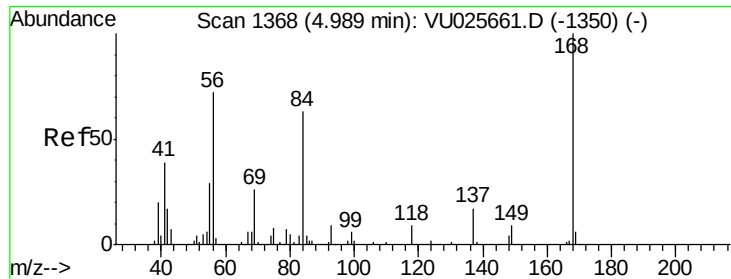
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion:168 Resp: 167032

Ion Ratio Lower Upper

168 100

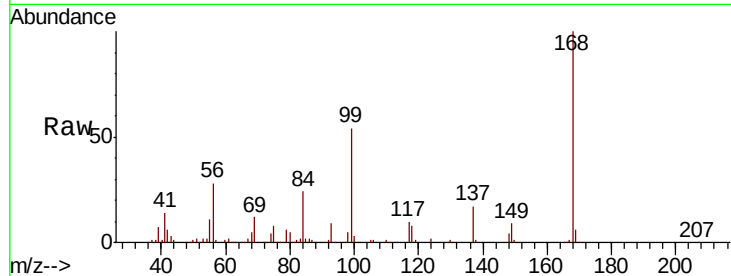
99 53.7 42.8 64.2

Manual Integrations

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7/31/2018 1:23:26 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

80000

60000

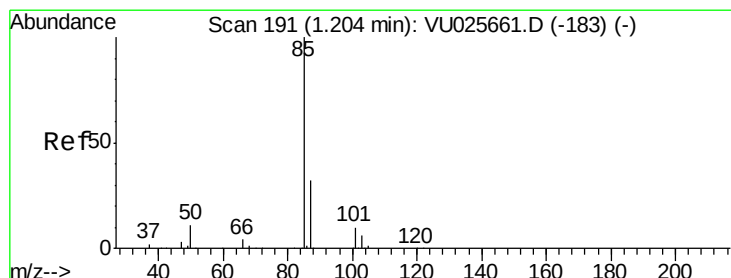
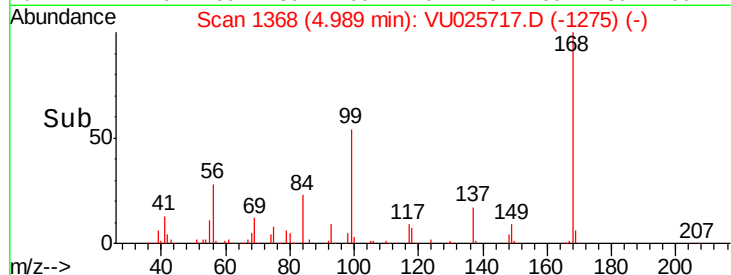
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.69 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025717.D

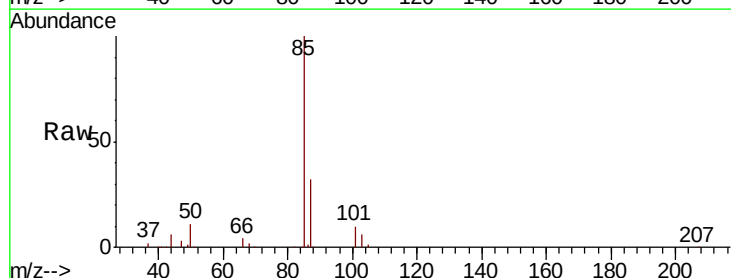
Acq: 30 Jul 2018 12:20

Tgt Ion: 85 Resp: 52236

Ion Ratio Lower Upper

85 100

87 32.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

60000

50000

40000

30000

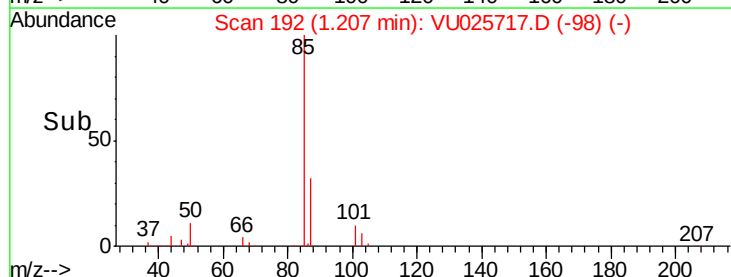
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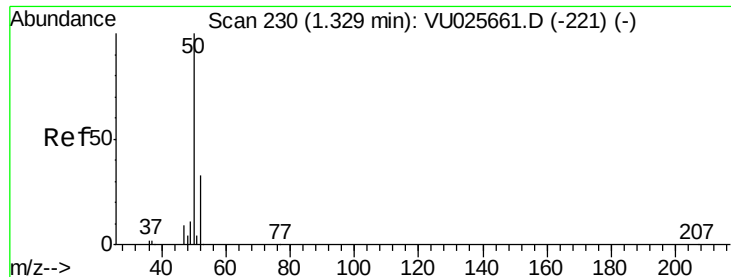
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0

1.15 1.20 1.25

Time-->





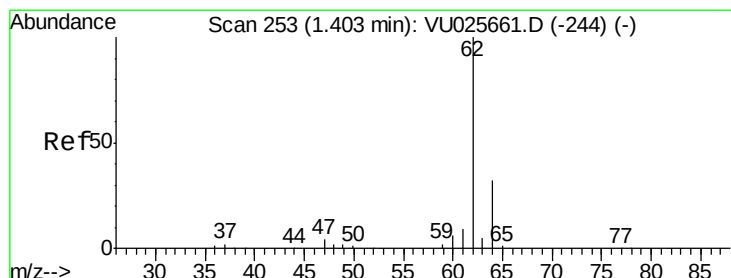
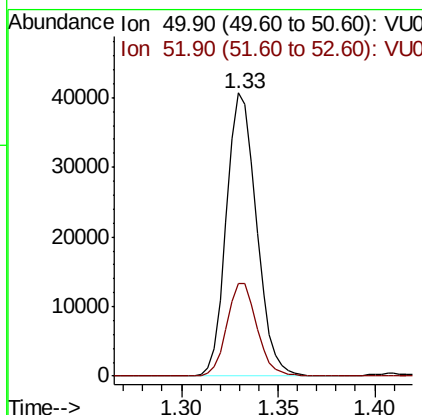
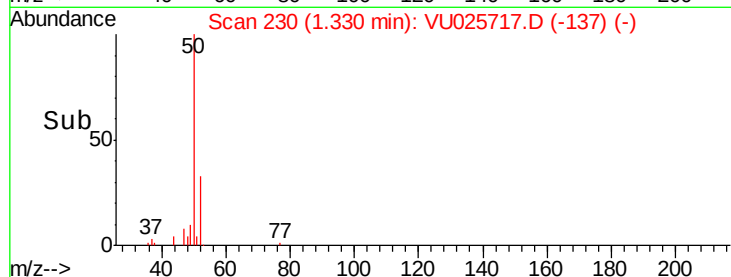
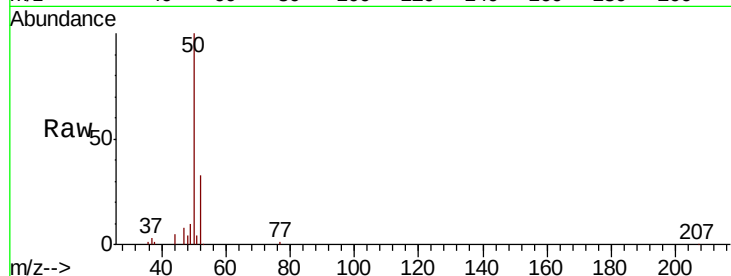
#3
Chloromethane
Concen: 18.22 ug/l
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion: 50 Resp: 43960
Ion Ratio Lower Upper
50 100
52 32.9 26.5 39.7

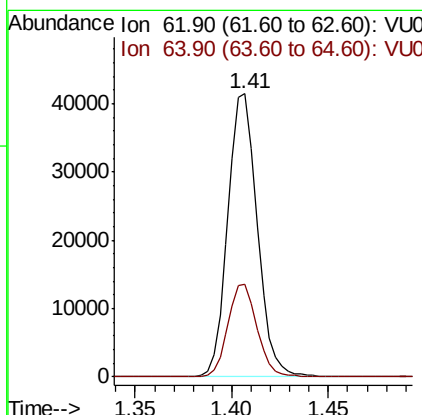
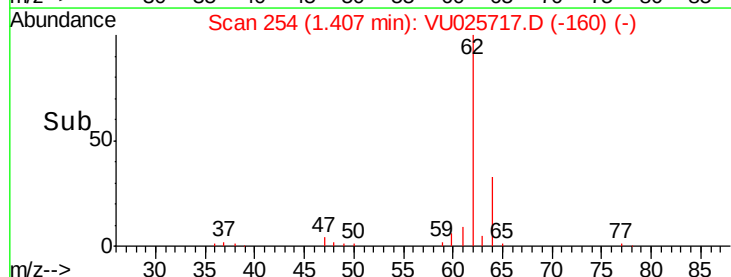
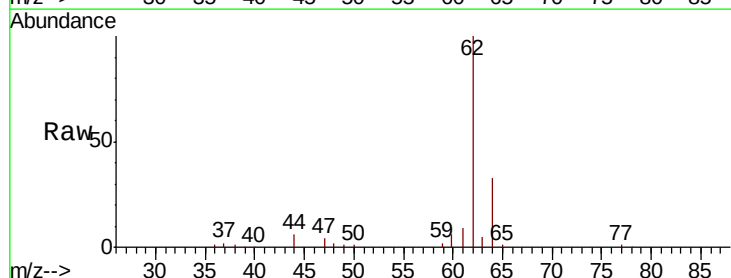
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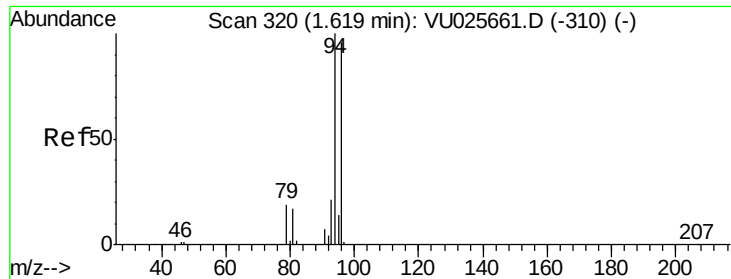
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#4
Vinyl Chloride
Concen: 19.27 ug/l
RT: 1.41 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion: 62 Resp: 43761
Ion Ratio Lower Upper
62 100
64 32.7 25.4 38.0





#5

Bromomethane

Concen: 21.57 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion: 94 Resp: 23925

Ion Ratio Lower Upper

94 100

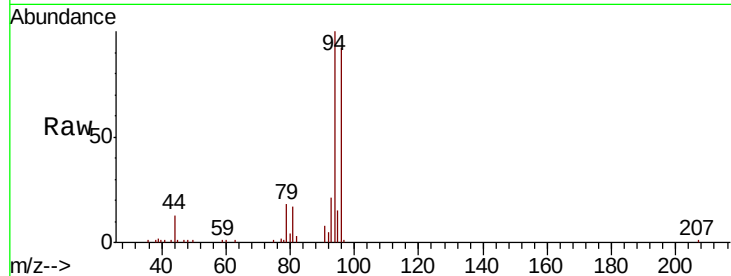
96 92.3 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

20000

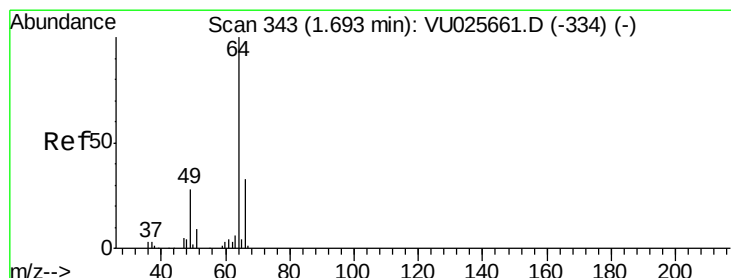
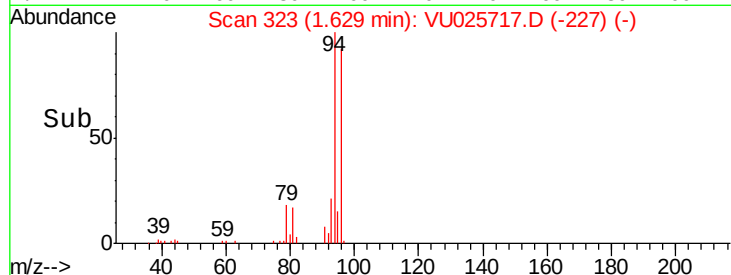
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10000

5000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 18.73 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025717.D

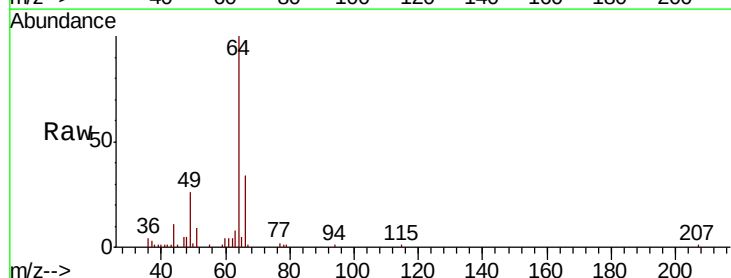
Acq: 30 Jul 2018 12:20

Tgt Ion: 64 Resp: 24866

Ion Ratio Lower Upper

64 100

66 33.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

20000

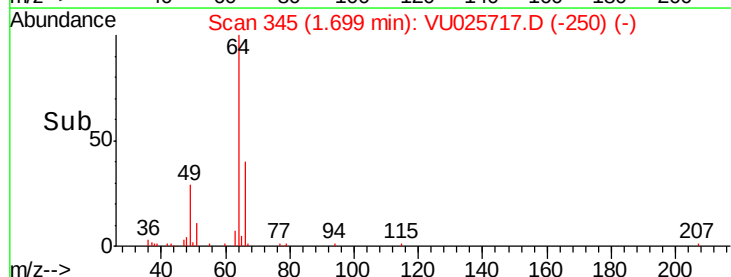
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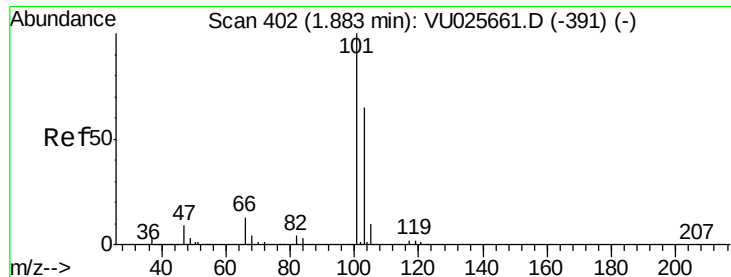
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5000

0

Time--> 1.65 1.70 1.75





#7

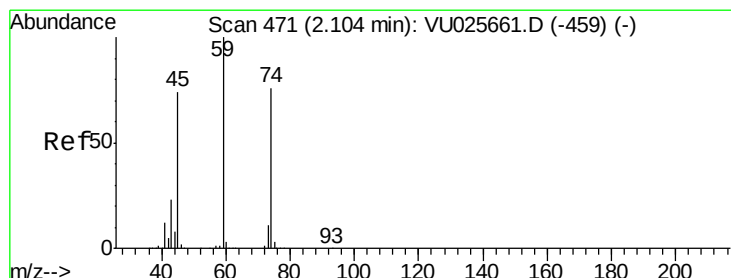
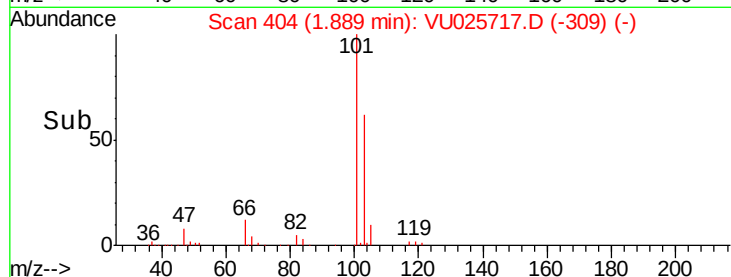
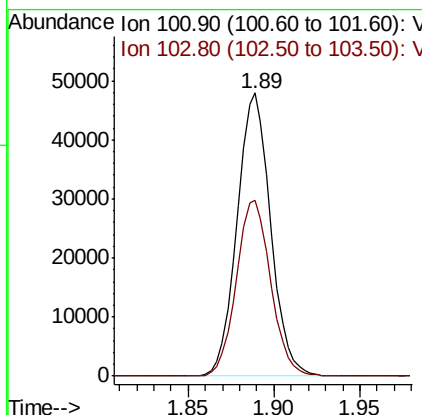
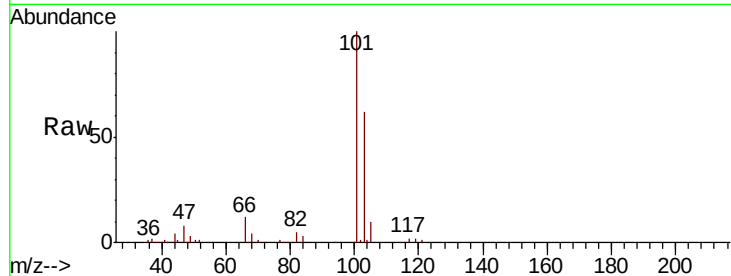
Trichlorofluoromethane
Concen: 19.79 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.01 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.2	78.2

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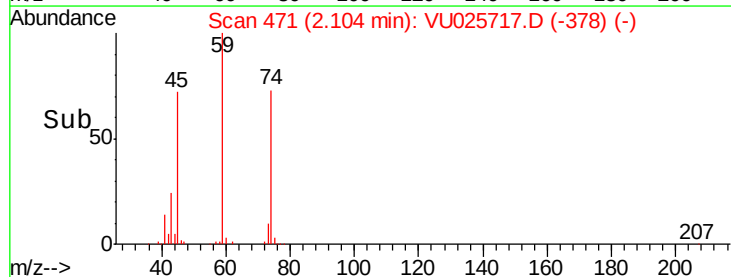
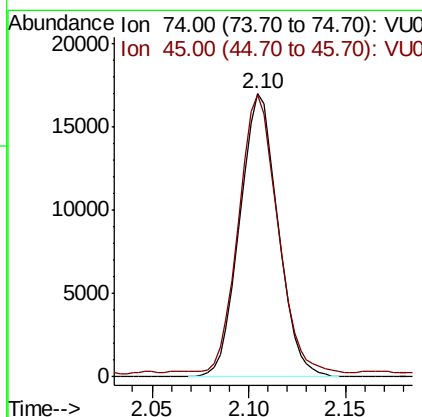
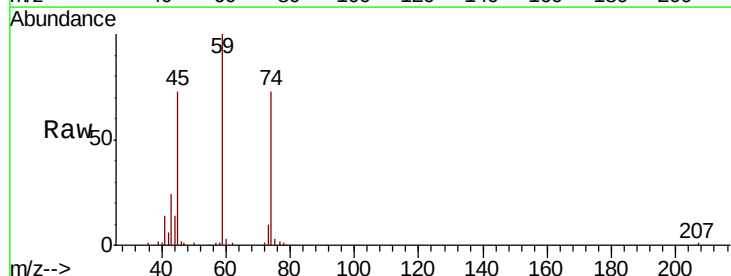
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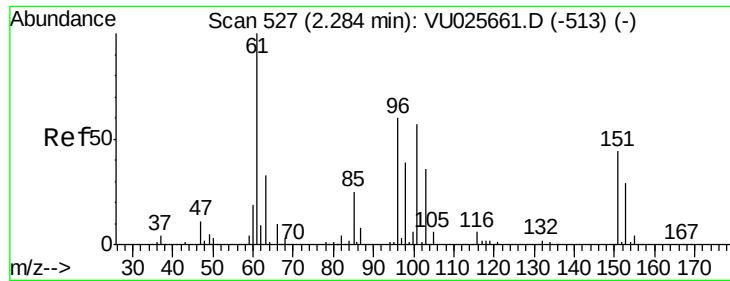


#8

Diethyl Ether
Concen: 19.77 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.34 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

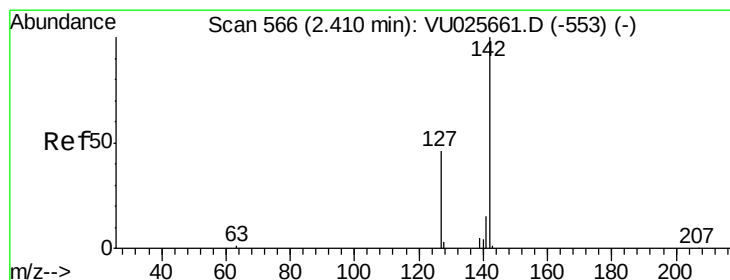
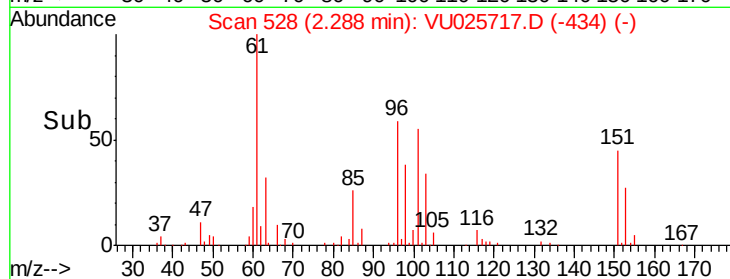
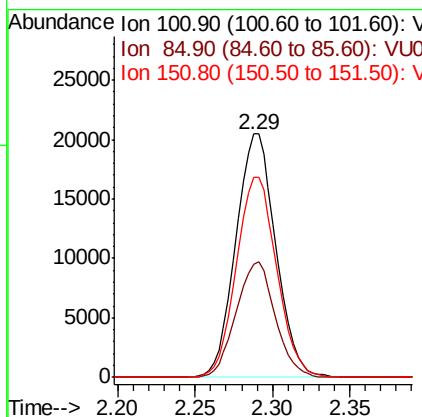
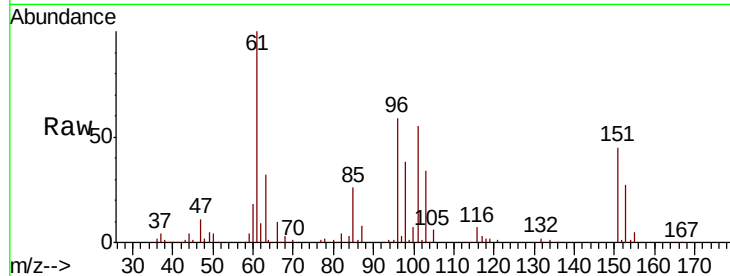
ClientSampleId :

VU0730WBSD01

Tot Ion:	101	Resp:	36741
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.0	54.0
151	82.8	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.03 ug/l

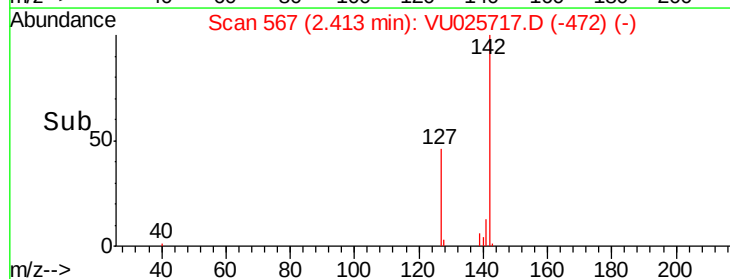
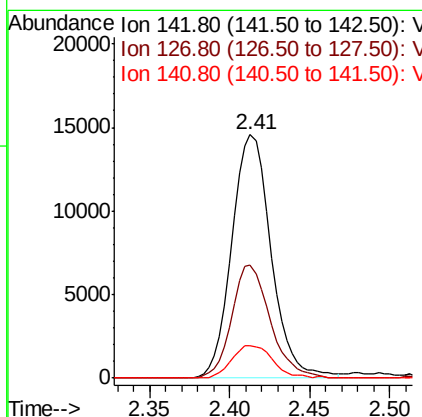
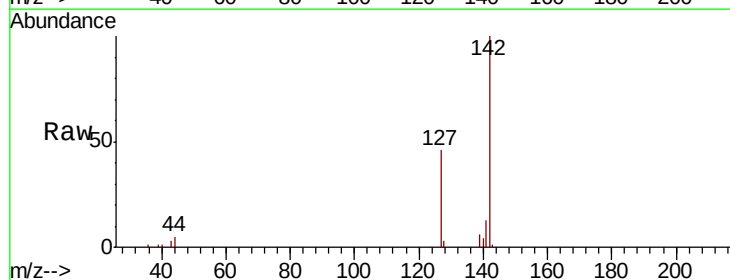
RT: 2.41 min Scan# 567

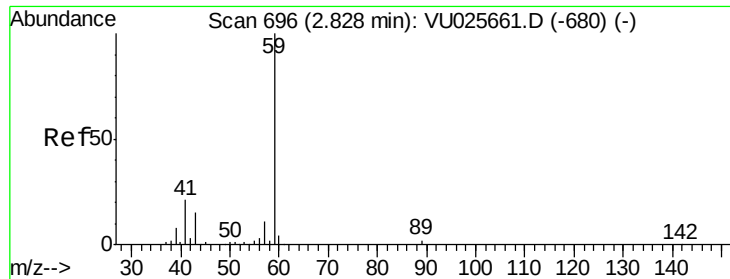
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion:	142	Resp:	24460
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.5	54.7
141	13.7	11.4	17.2





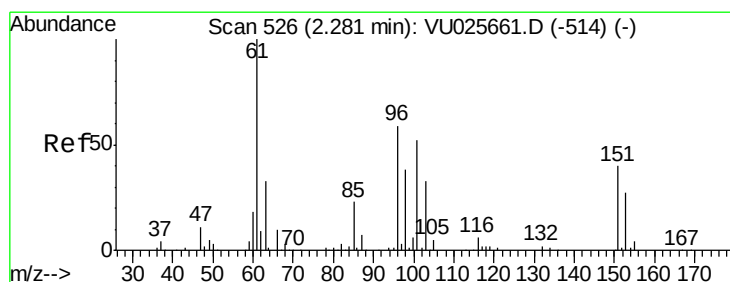
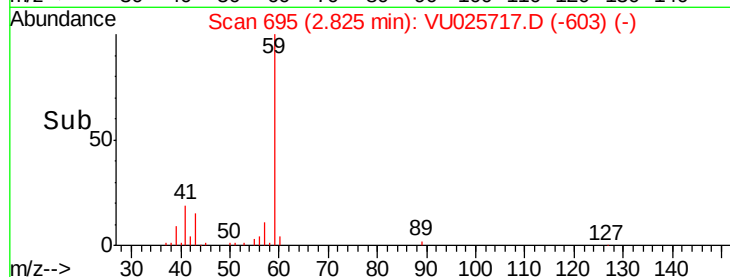
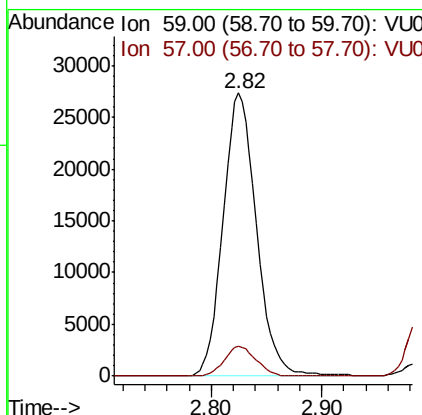
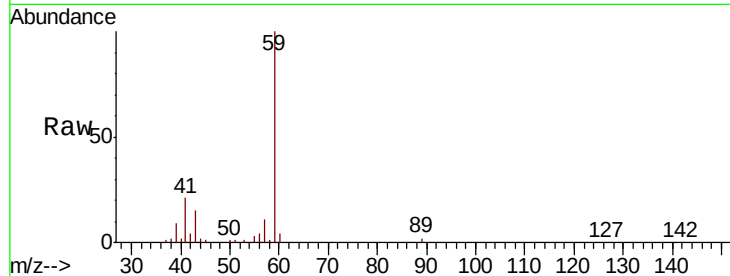
#11
Tert butyl alcohol
Concen: 100.52 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

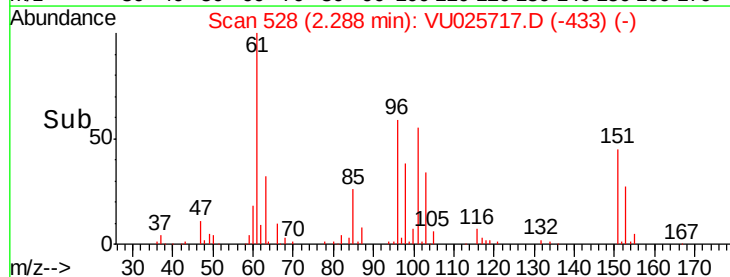
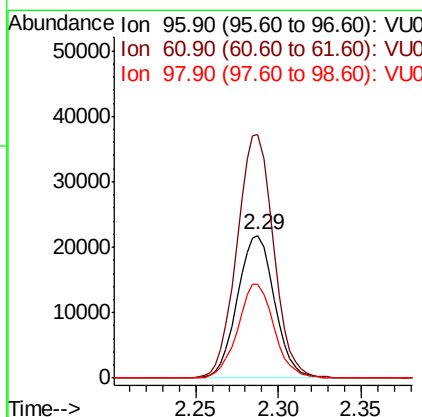
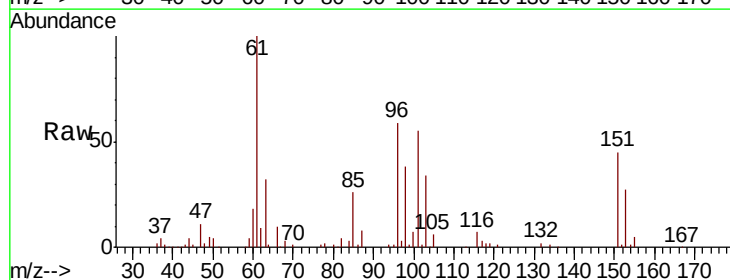
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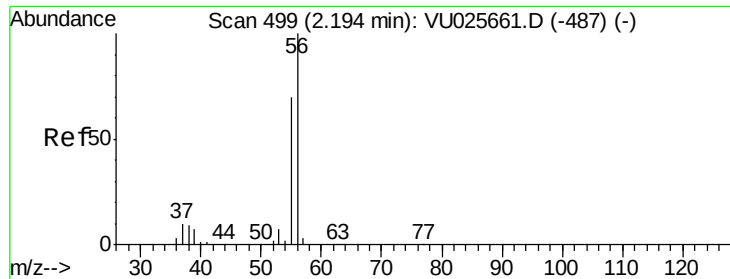
MMDadoda
7/31/2018 1:23:26 PM



#12
1,1-Dichloroethene
Concen: 18.90 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.01 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	140.2	210.4
98	65.2	49.3	73.9





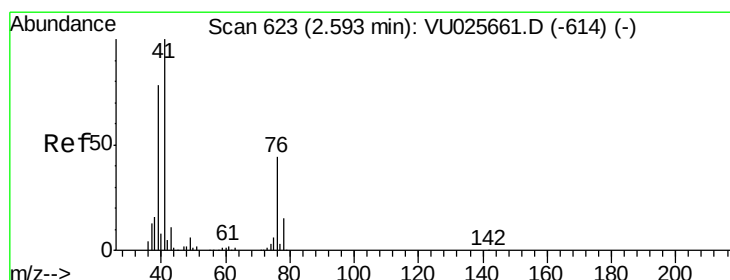
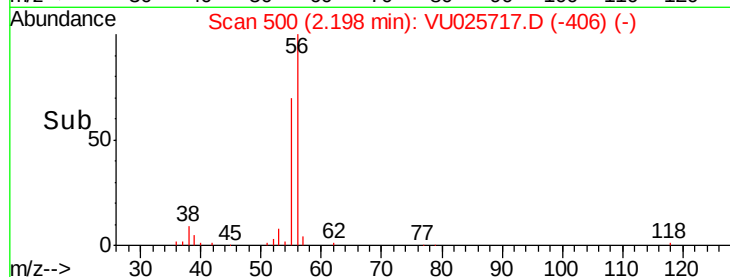
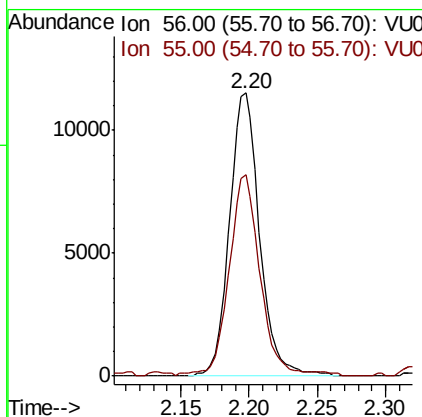
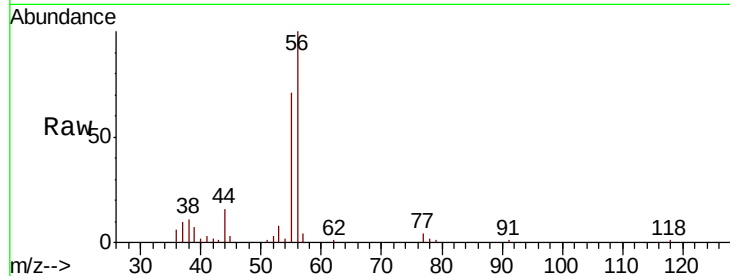
#13
Acrolein
Concen: 84.33 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion: 56 Resp: 17679
Ion Ratio Lower Upper
56 100
55 72.8 57.2 85.8

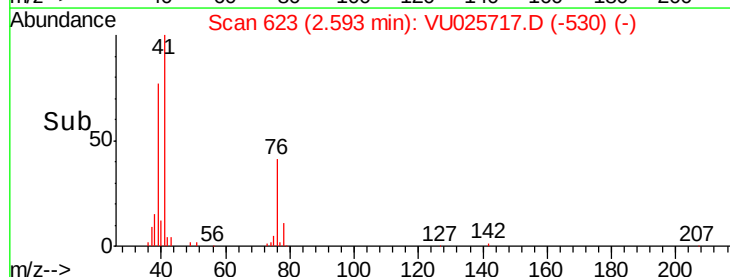
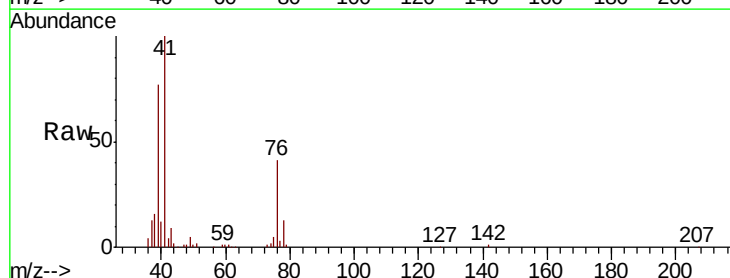
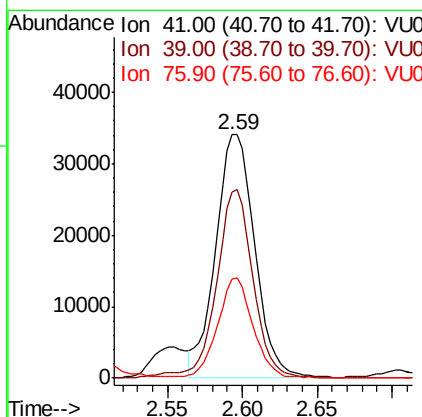
Manual Integrations
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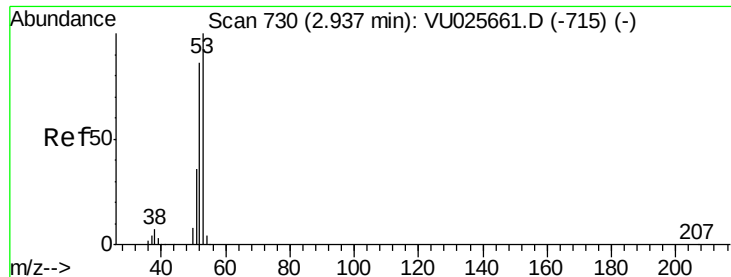
MMDadoda
7/31/2018 1:23:26 PM



#14
Allyl chloride
Concen: 19.35 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion: 41 Resp: 62366
Ion Ratio Lower Upper
41 100
39 72.2 60.6 91.0
76 37.2 30.5 45.7





#15

Acrylonitrile

Concen: 100.37 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

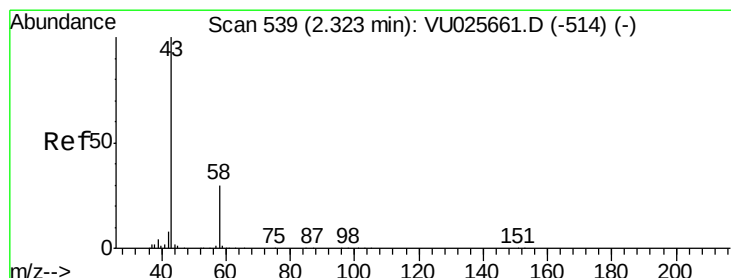
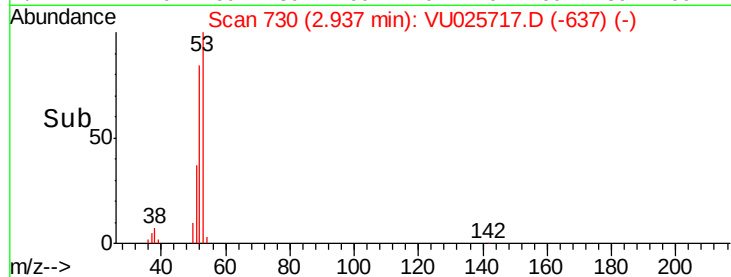
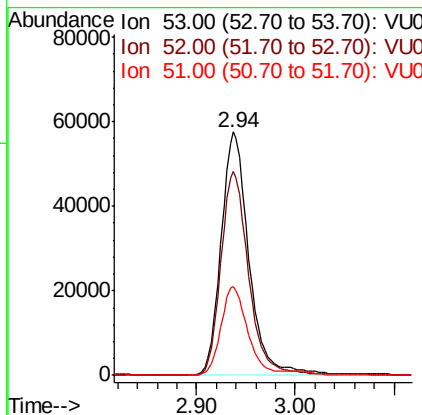
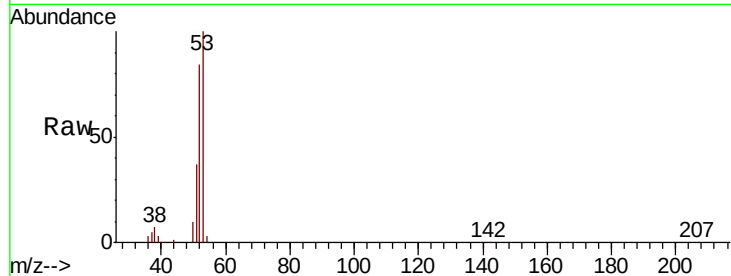
ClientSampleId :

VU0730WBSD01

Tot Ion:	53	Resp:	114189
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.6	99.8
51	34.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 91.31 ug/l

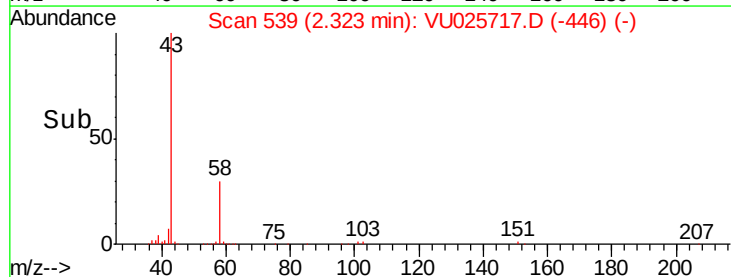
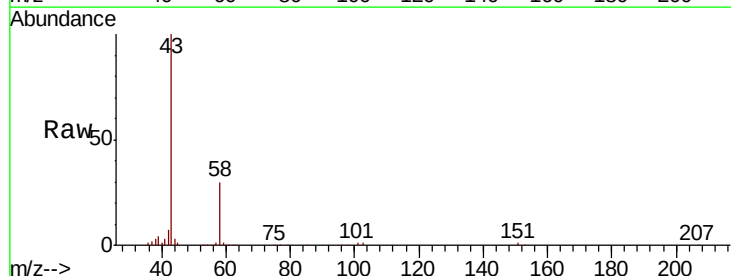
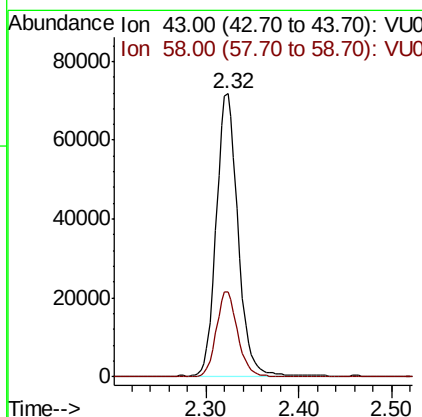
RT: 2.32 min Scan# 539

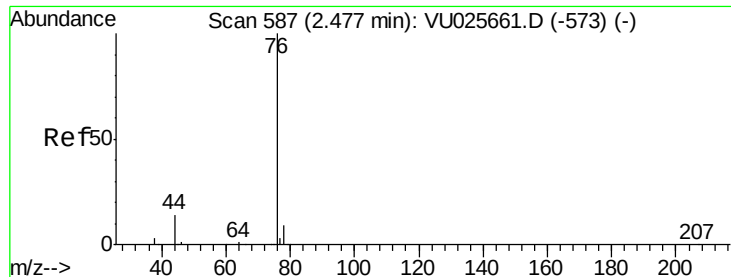
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion:	43	Resp:	115858
Ion Ratio		Lower	Upper
43	100		
58	30.2	23.1	34.7





#17

Carbon Disulfide

Concen: 18.81 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion: 76 Resp: 109190

Ion Ratio Lower Upper

76 100

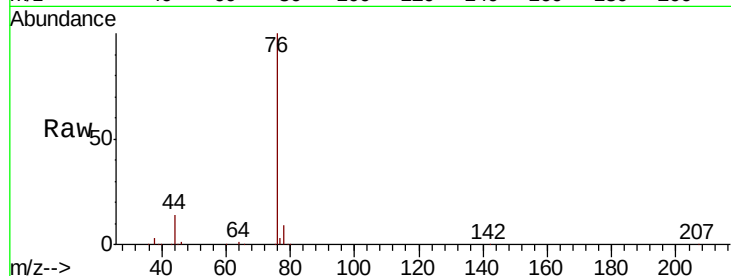
78 8.6 7.4 11.2

Manual Integrations

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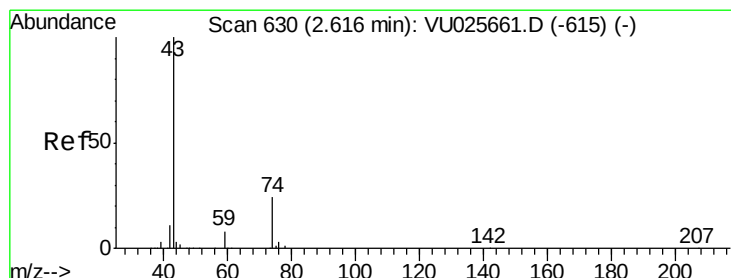
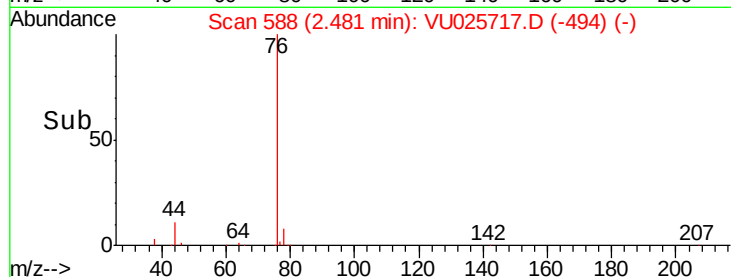
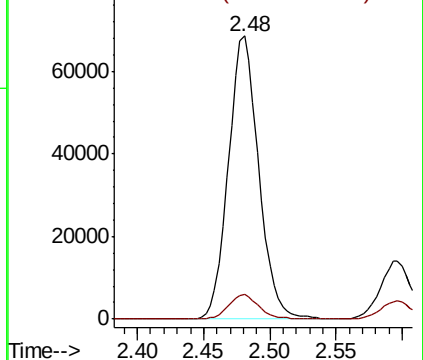
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU025717.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025717.D (-573) (-)



#18

Methyl Acetate

Concen: 22.19 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025717.D

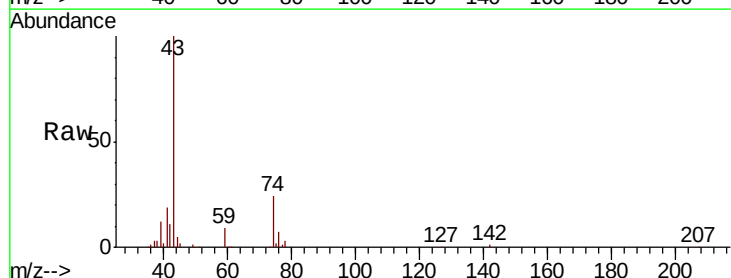
Acq: 30 Jul 2018 12:20

Tgt Ion: 43 Resp: 67768

Ion Ratio Lower Upper

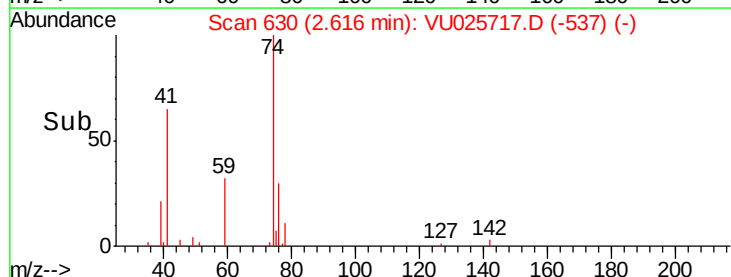
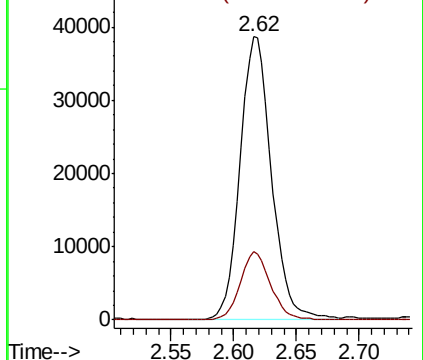
43 100

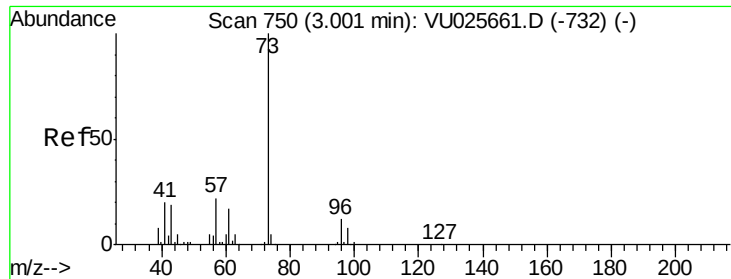
74 23.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025717.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025717.D (-537) (-)





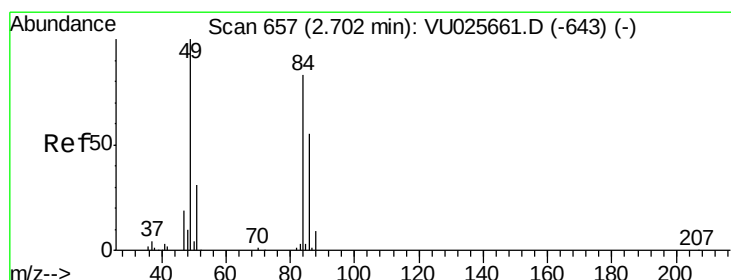
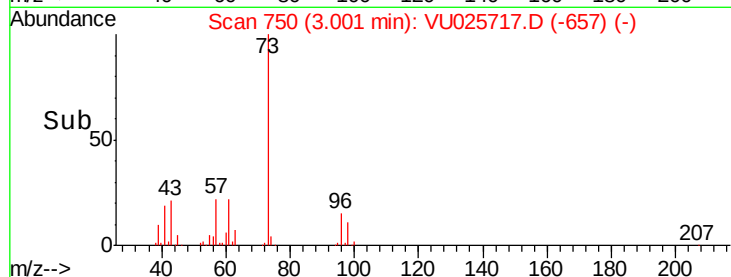
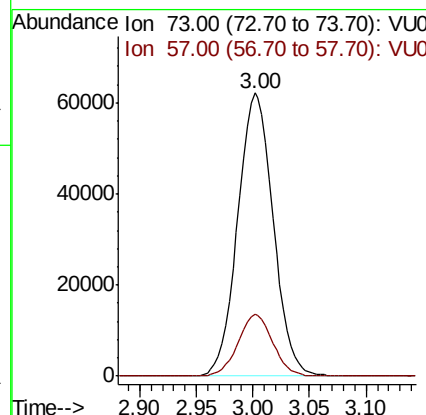
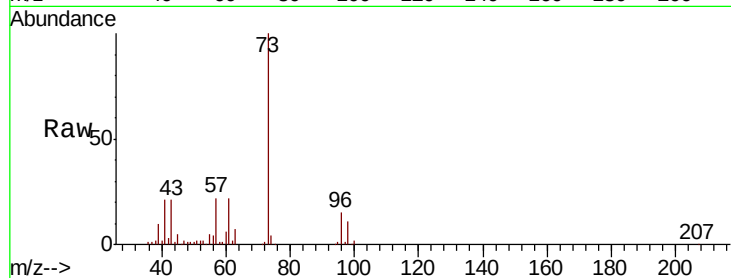
#19
Methvl tert-butvl Ether
Concen: 20.88 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	73	Resp	135718
Ion Ratio	Lower	Upper	
73	100		
57	22.0	17.4	26.2

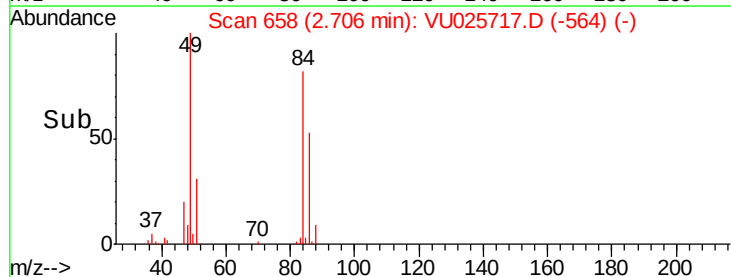
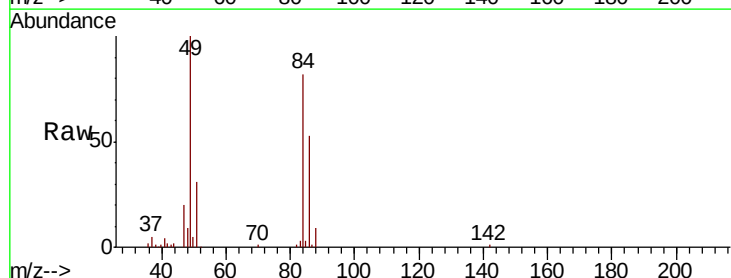
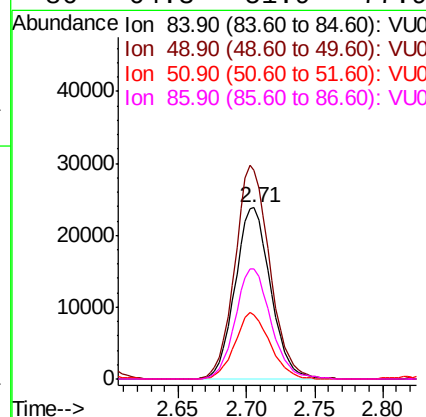
Manual Integrations
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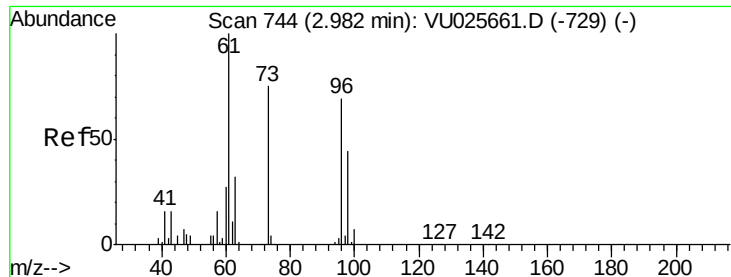
MMDadoda
7/31/2018 1:23:26 PM



#20
Methylene Chloride
Concen: 19.13 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	84	Resp	43007
Ion Ratio	Lower	Upper	
84	100		
49	122.1	101.8	152.6
51	37.7	30.8	46.2
86	64.3	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.45 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

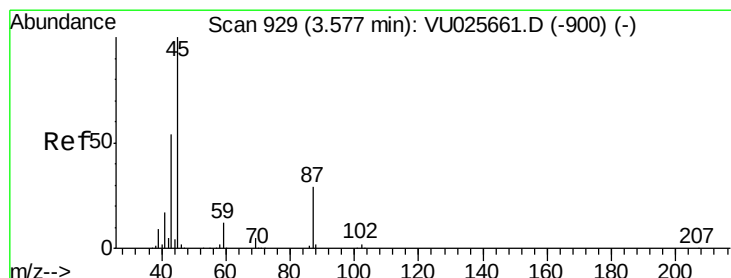
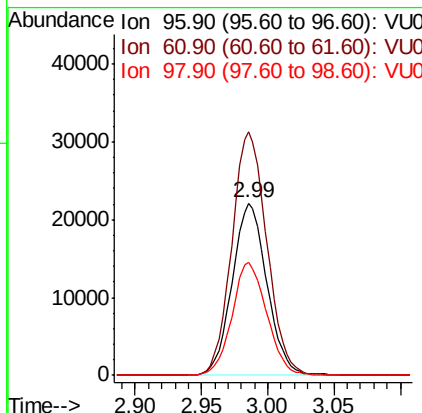
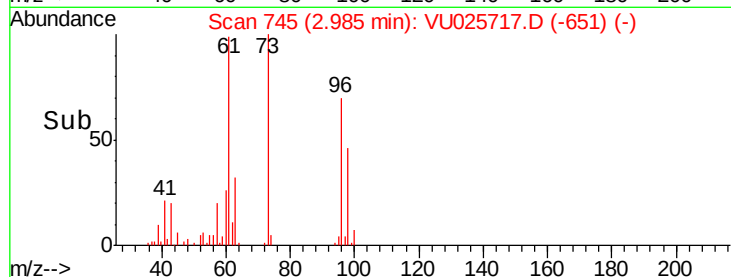
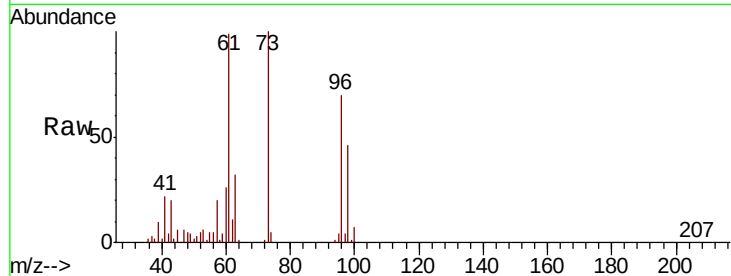
ClientSampleId :

VU0730WBSD01

Tot Ion:	96	Resp:	40326
Ion	Ratio	Lower	Upper
96	100		
61	141.2	114.5	171.7
98	65.5	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.94 ug/l

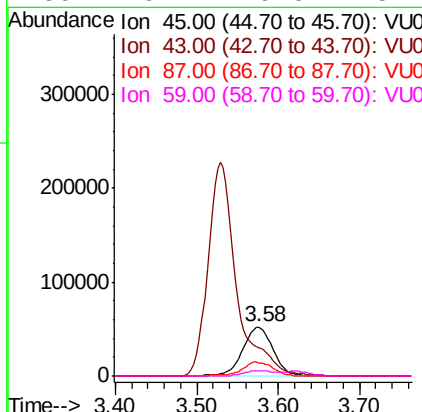
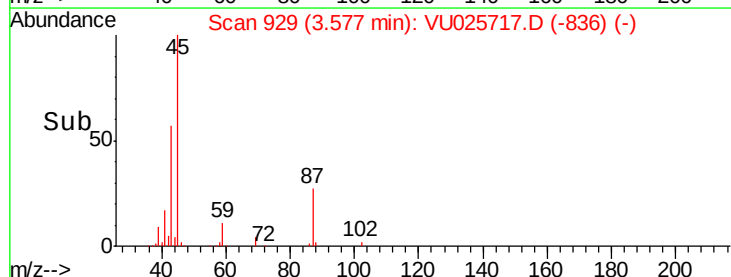
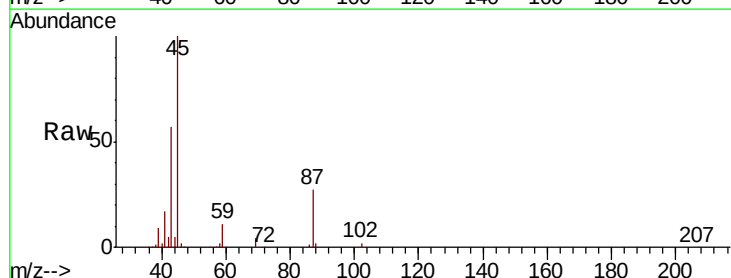
RT: 3.58 min Scan# 929

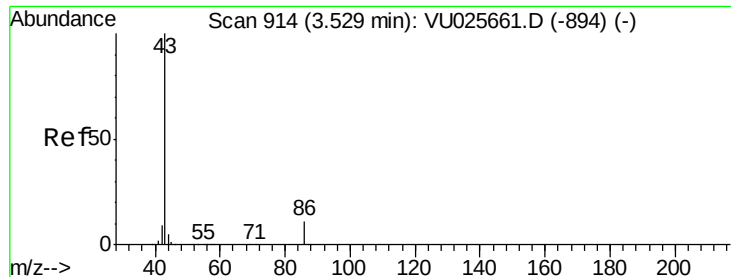
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion:	45	Resp:	132978
Ion	Ratio	Lower	Upper
45	100		
43	55.7	50.9	76.3
87	27.4	23.8	35.8
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 100.72 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion: 43 Resp: 557454

Ion Ratio Lower Upper

43 100

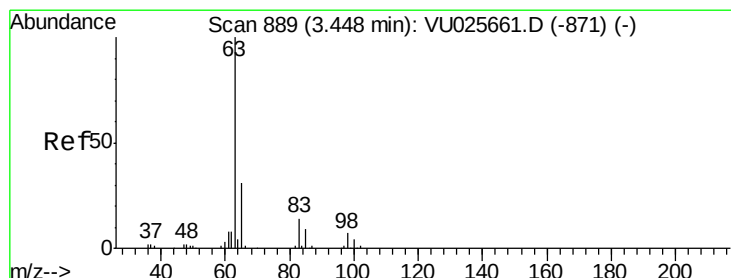
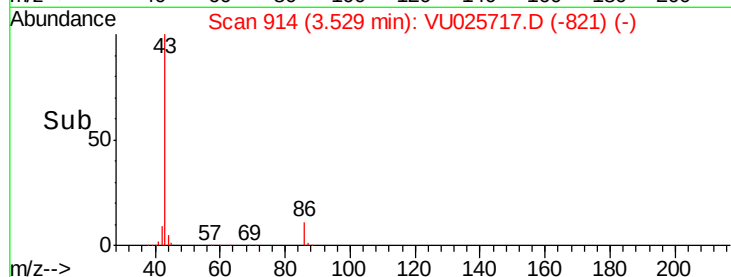
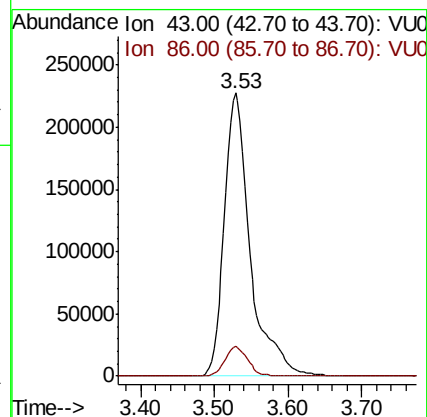
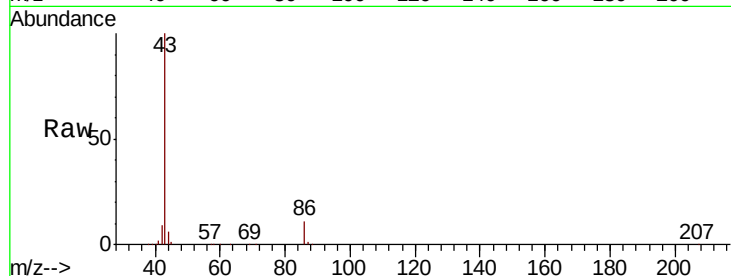
86 10.6 8.2 12.2

Manual Integrations

APPROVED

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#24

1,1-Dichloroethane

Concen: 19.94 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

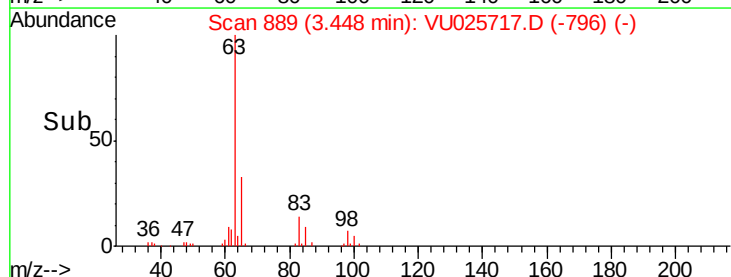
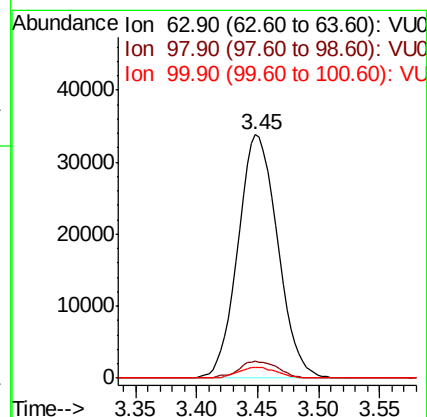
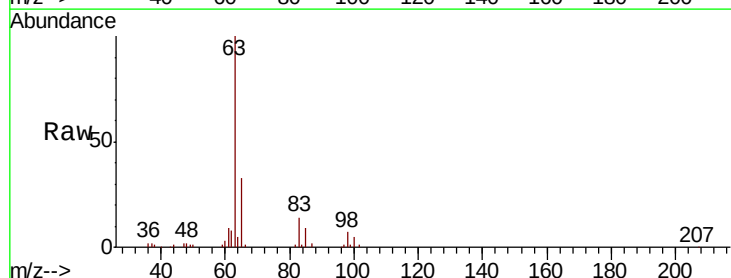
Tgt Ion: 63 Resp: 76029

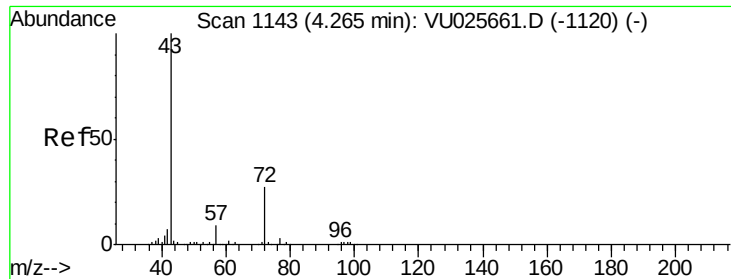
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.6 2.0 6.0





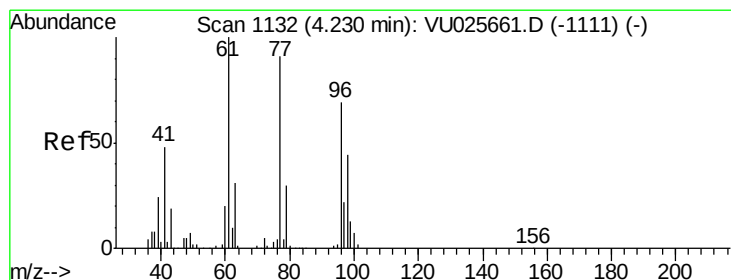
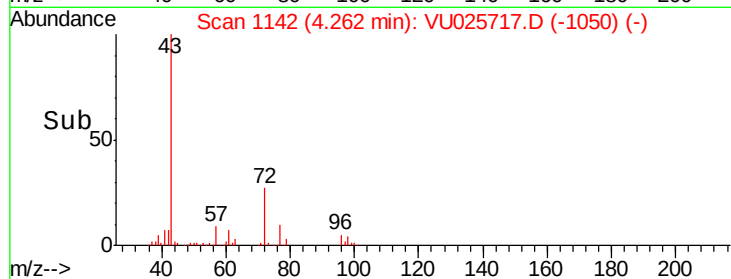
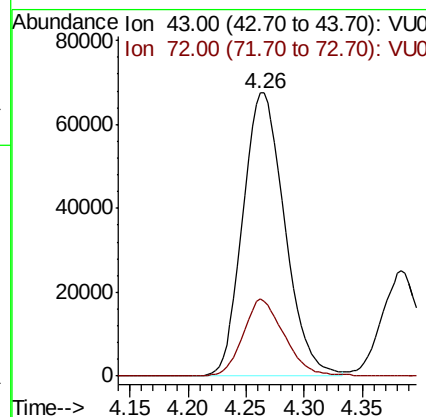
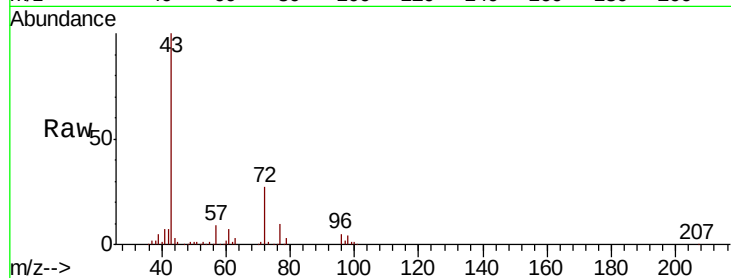
#25
2-Butanone
Concen: 97.99 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	43	Resp	169257
Ion Ratio	100	Lower	Upper
72	27.4	21.0	31.4

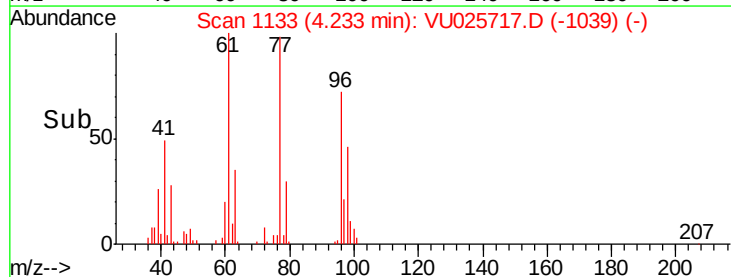
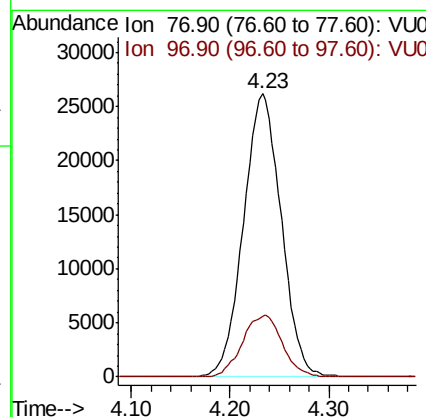
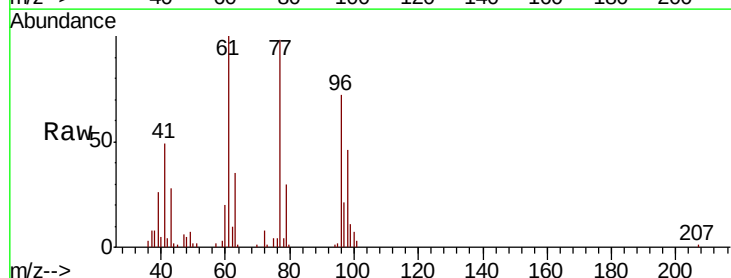
Manual Integrations
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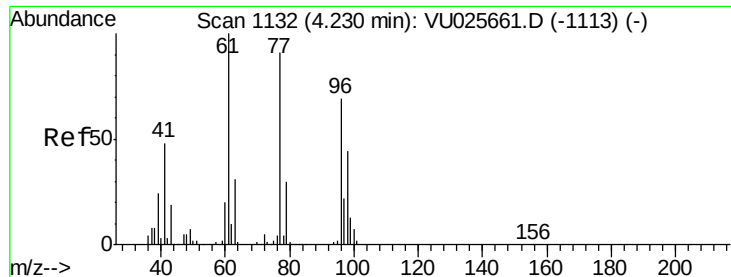
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.96 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	77	Resp	69180
Ion Ratio	100	Lower	Upper
97	23.0	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 19.86 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

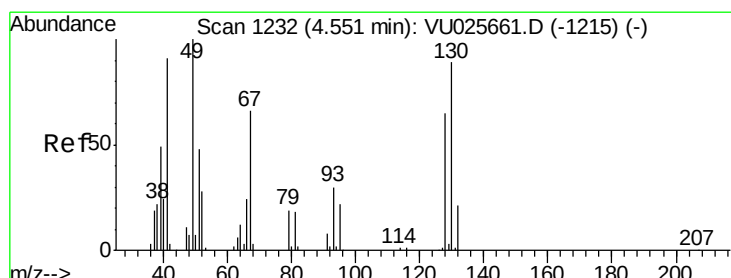
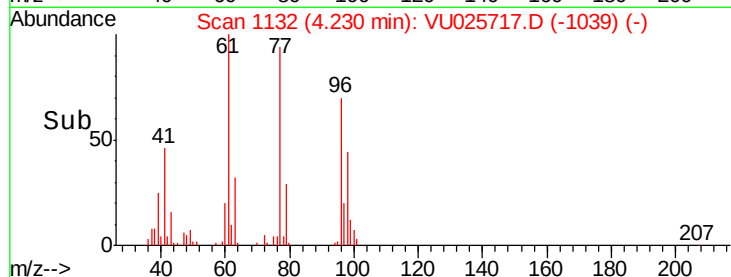
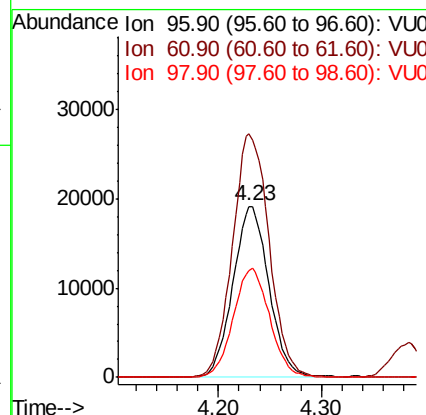
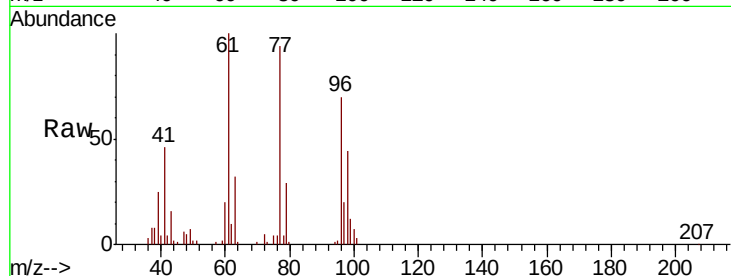
ClientSampleId :

VU0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46426		
61	145.5		0.0	299.8
98	64.4		0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.19 ug/l

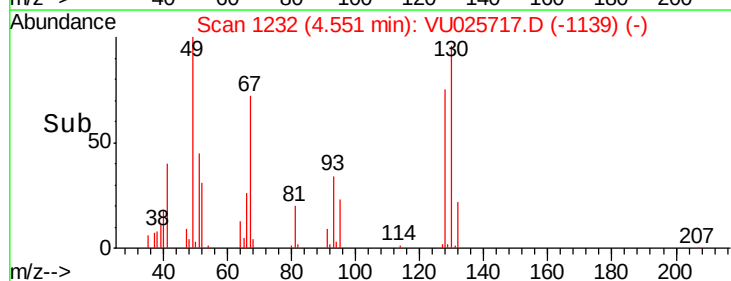
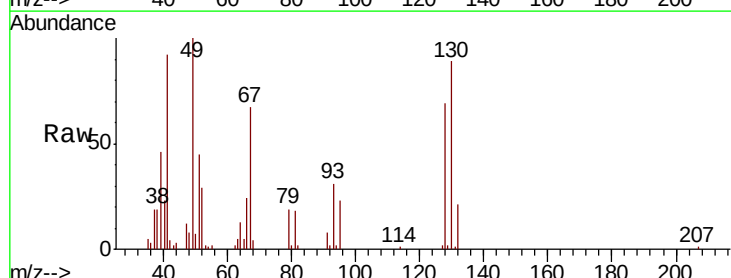
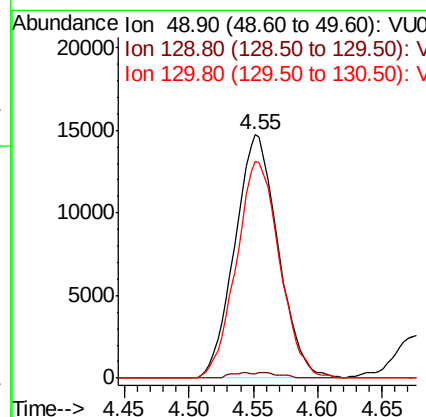
RT: 4.55 min Scan# 1232

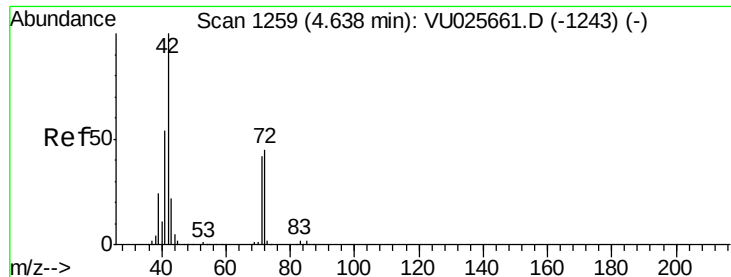
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34411		
129	1.1		0.0	4.6
130	88.9		68.6	102.8





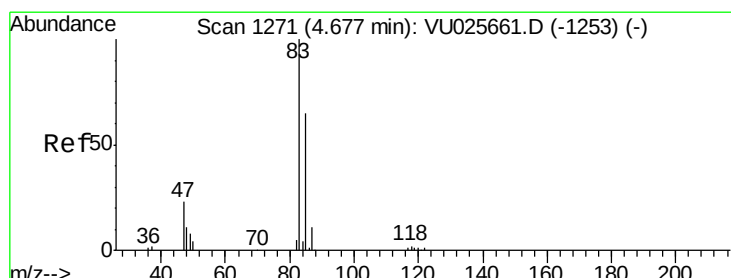
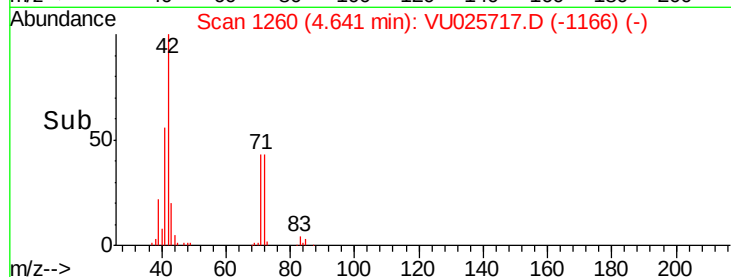
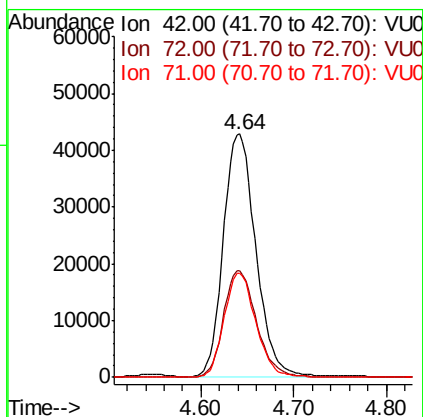
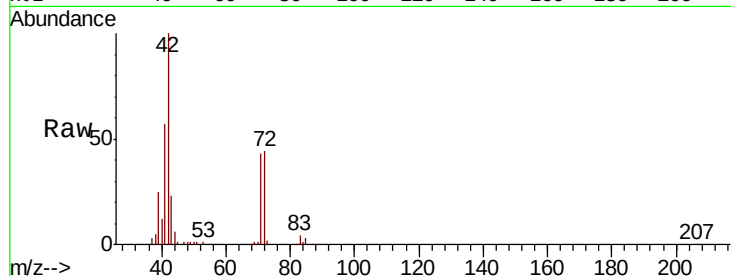
#29
Tetrahydrofuran
Concen: 101.44 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	36.7	55.1
71	41.4	33.9	50.9

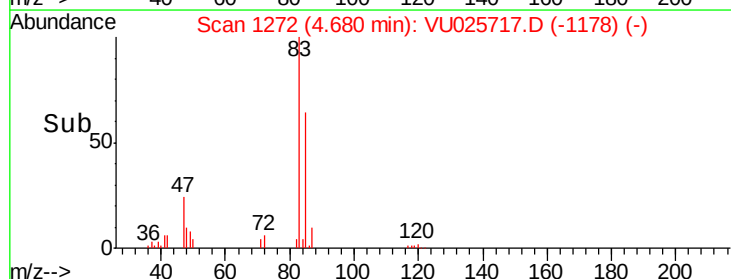
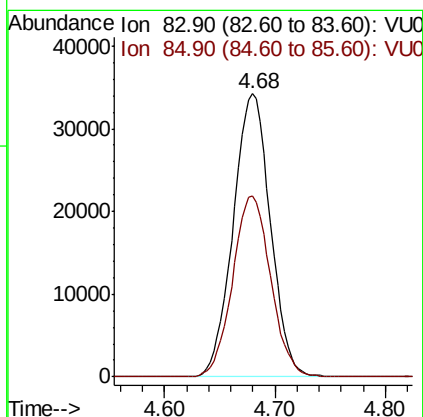
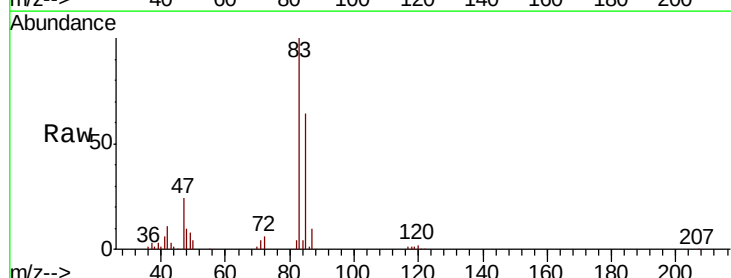
Manual Integrations
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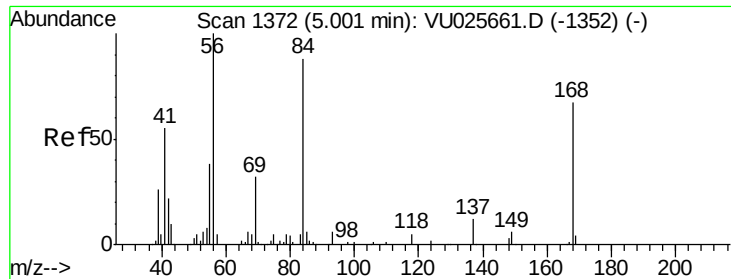
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#30
Chloroform
Concen: 19.86 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3





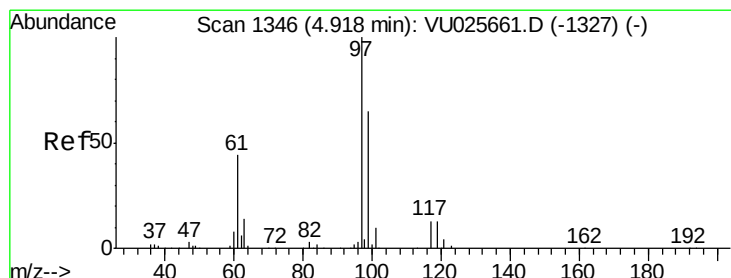
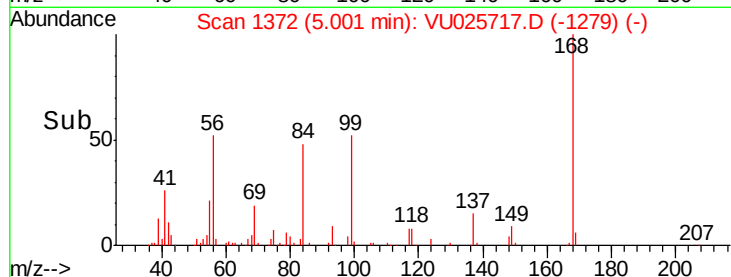
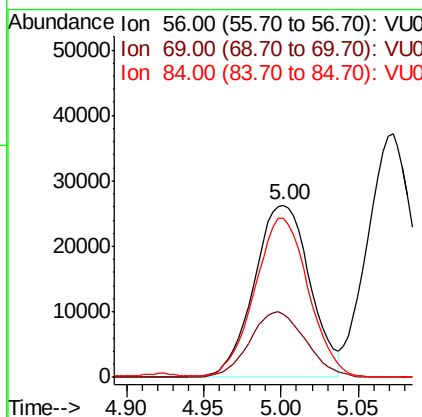
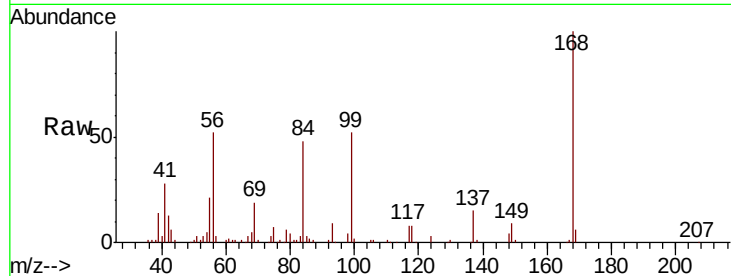
#31
Cyclohexane
Concen: 19.16 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.8	40.2
84	91.9	69.7	104.5

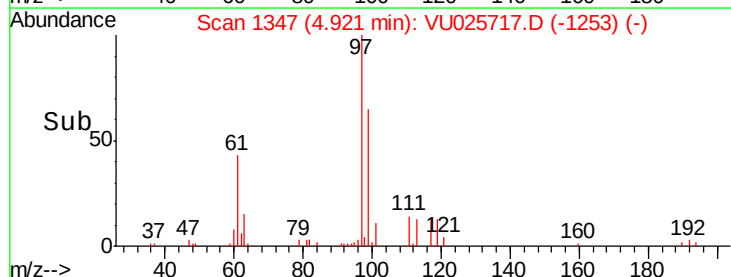
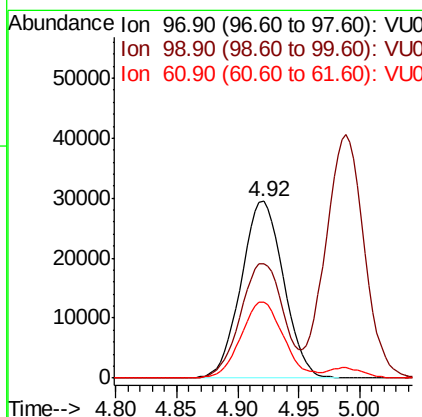
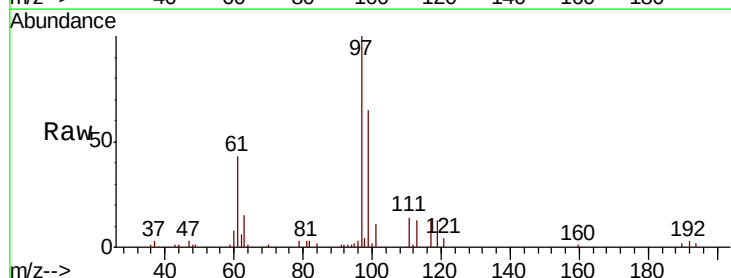
Manual Integrations
APPROVED

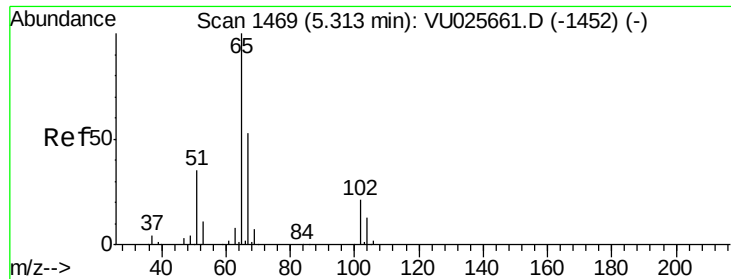
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#32
1,1,1-Trichloroethane
Concen: 19.54 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.8	76.2
61	43.5	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 51.33 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampled :

VU0730WBSD01

Tot Ion: 65 Resp: 133577

Ion Ratio Lower Upper

65 100

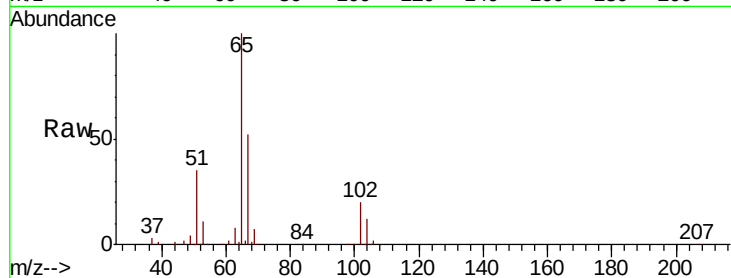
67 52.3 0.0 103.6

Manual Integrations

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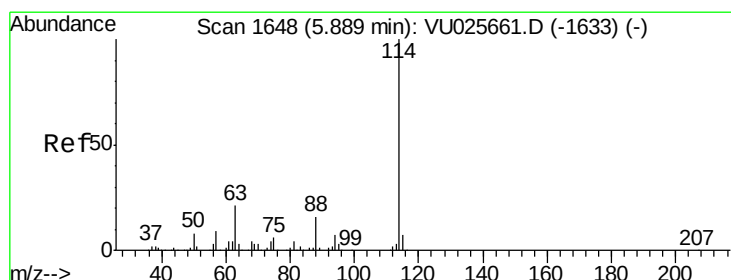
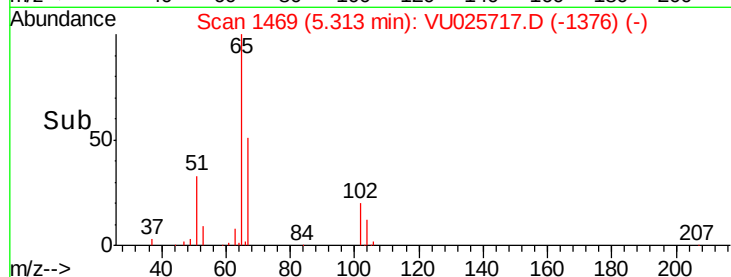
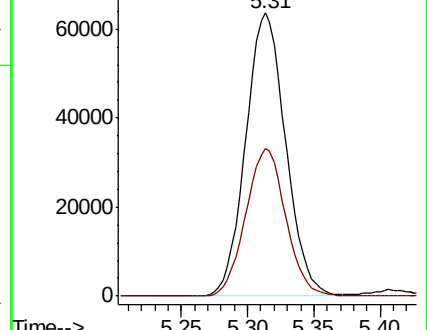
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Abundance Ion 64.90 (64.60 to 65.60): VU025717.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025717.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

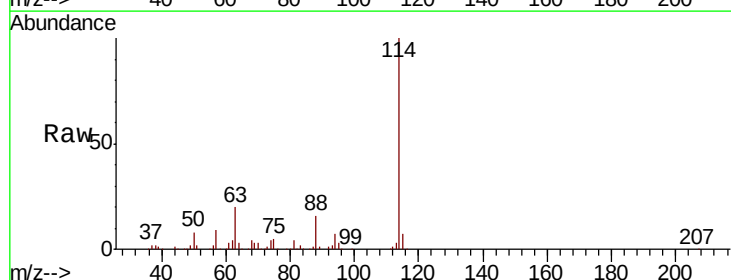
Tgt Ion: 114 Resp: 252385

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

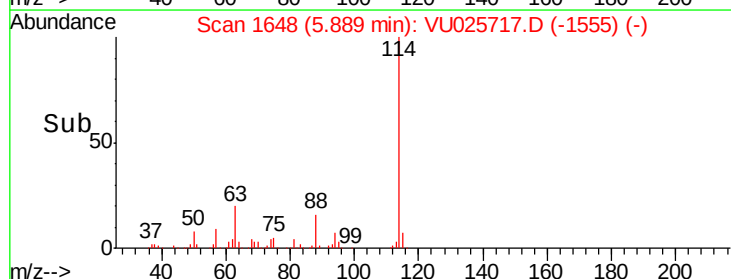
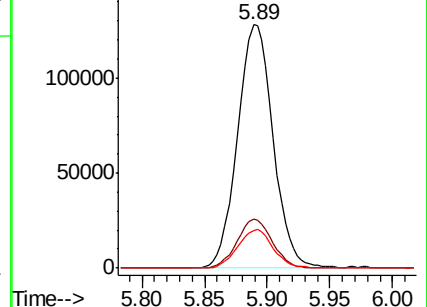
88 15.6 0.0 32.4

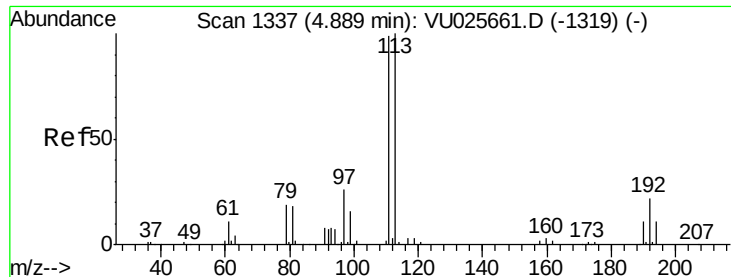


Abundance Ion 113.90 (113.60 to 114.60): VU025717.D (-1555) (-)

Ion 63.00 (62.70 to 63.70): VU025717.D (-1555) (-)

Ion 87.90 (87.60 to 88.60): VU025717.D (-1555) (-)





#35

Dibromofluoromethane

Concen: 48.48 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

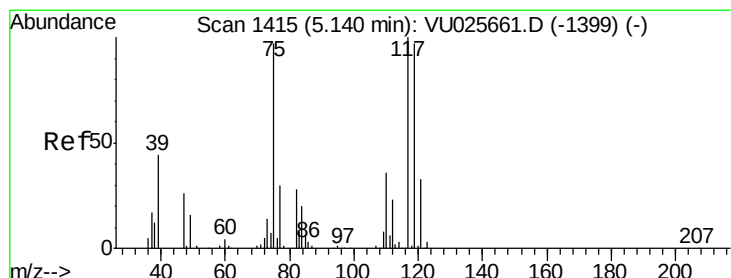
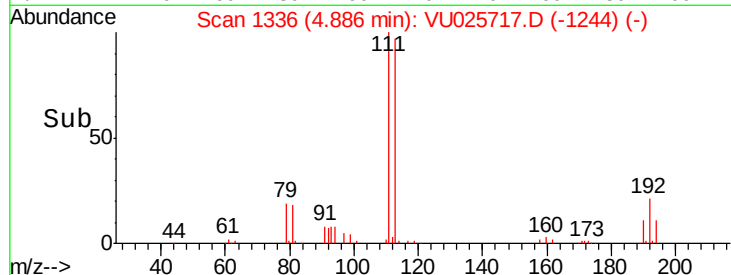
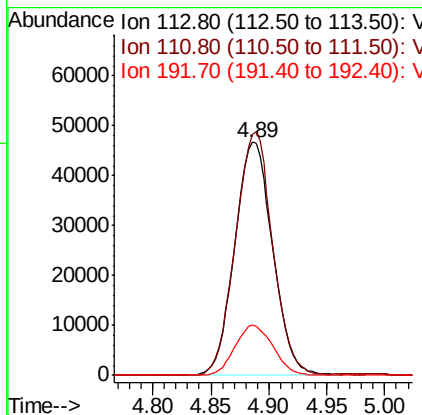
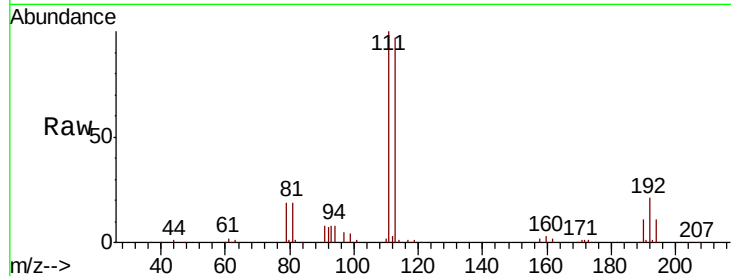
ClientSampleId :

VU0730WBSD01

Tot Ion:	113	Resp:	106422
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.7	122.5
192	21.6	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.60 ug/l

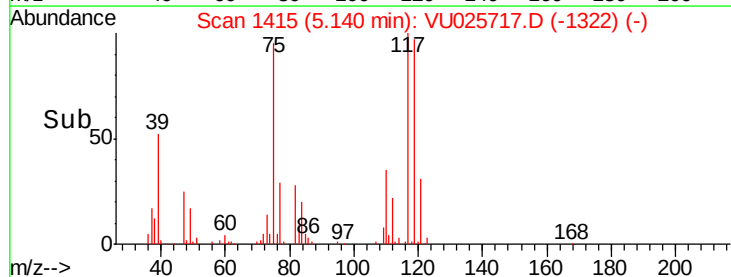
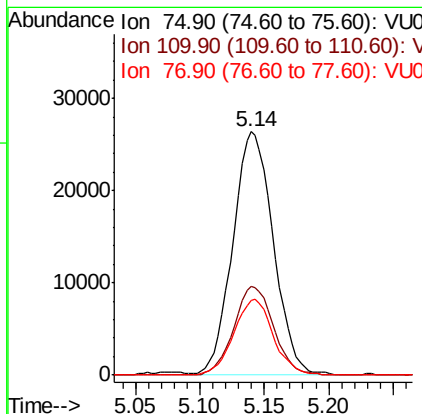
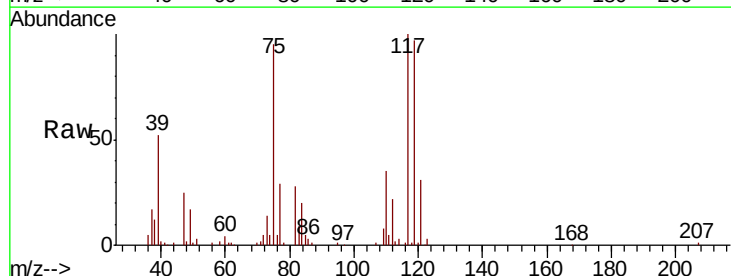
RT: 5.14 min Scan# 1415

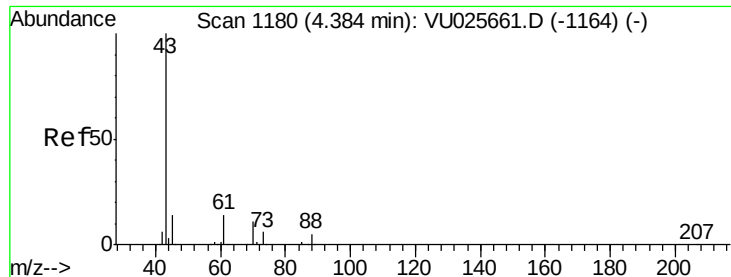
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion:	75	Resp:	57815
Ion Ratio	Lower	Upper	
75	100		
110	35.5	17.6	52.9
77	30.2	24.4	36.6





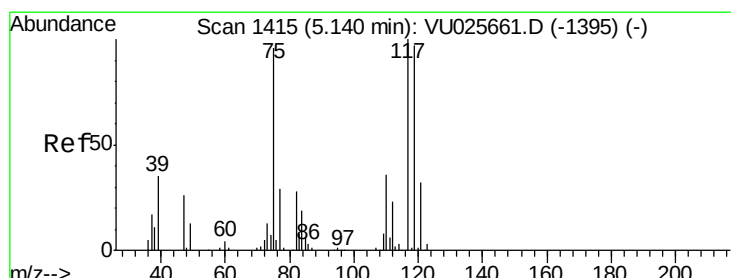
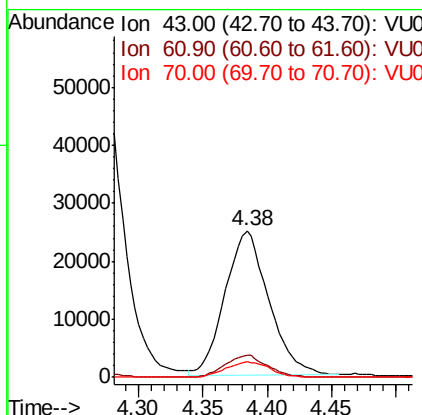
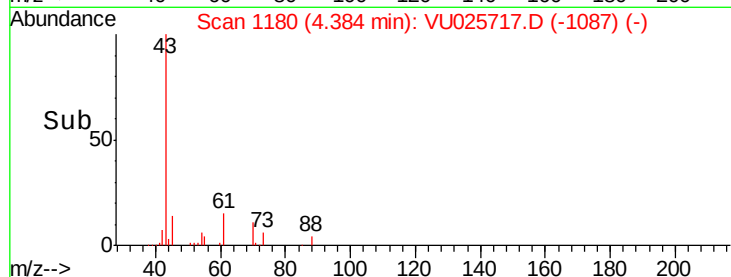
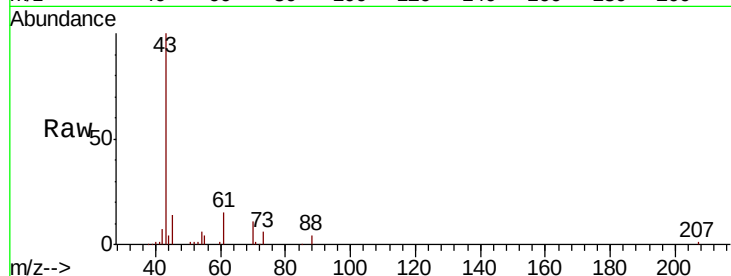
#37
Ethyl Acetate
Concen: 19.23 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	10.7	8.4	12.6

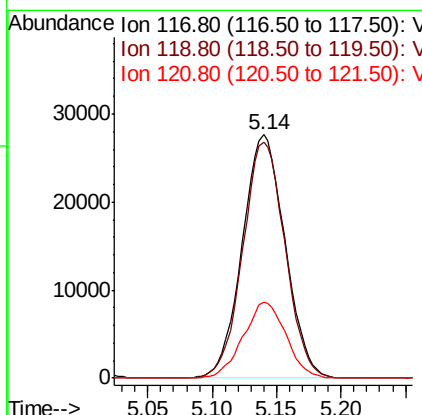
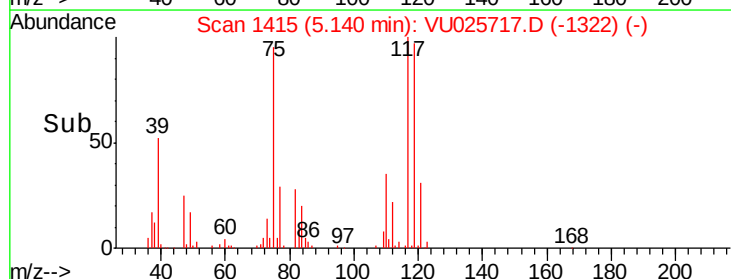
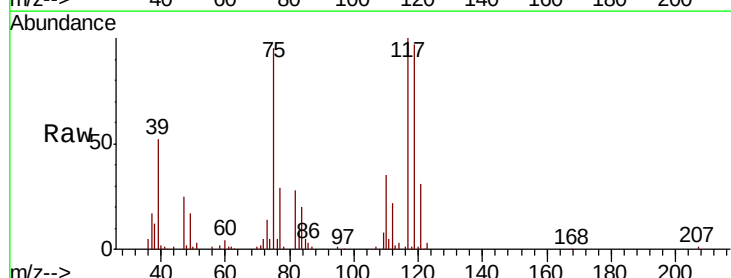
Manual Integrations
APPROVED

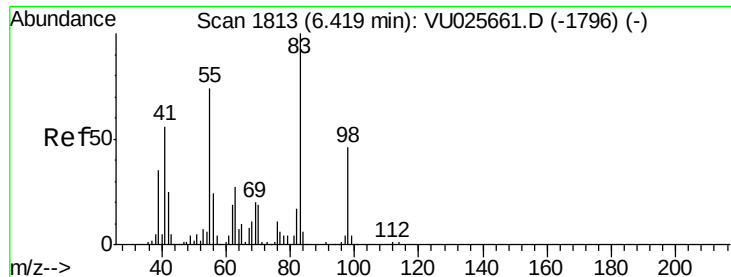
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#38
Carbon Tetrachloride
Concen: 19.12 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.7	113.5
121	31.1	24.6	36.8





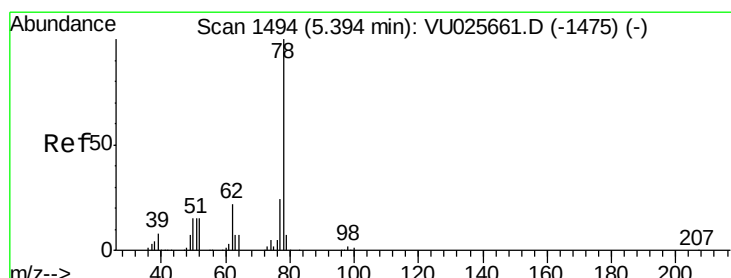
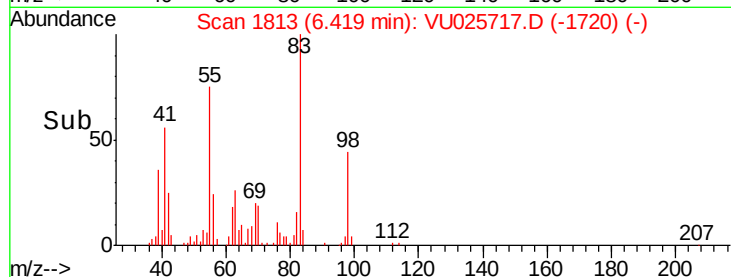
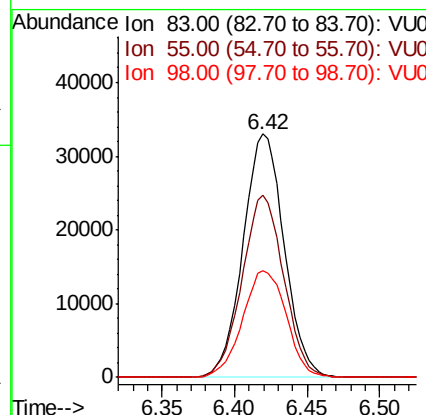
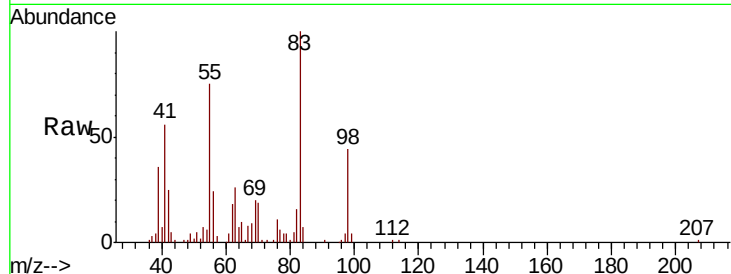
#39
Methvlcvclohexane
Concen: 19.26 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	60.0	90.0
98	44.0	36.1	54.1

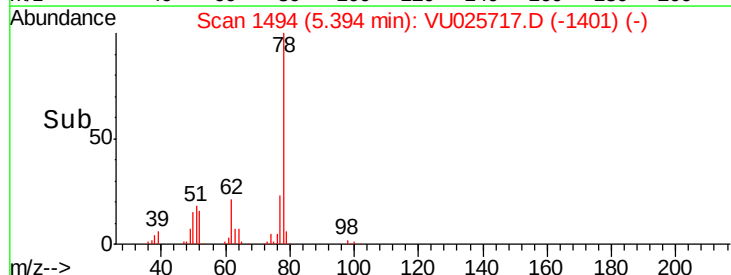
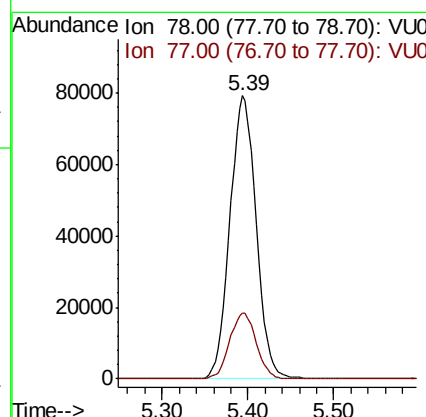
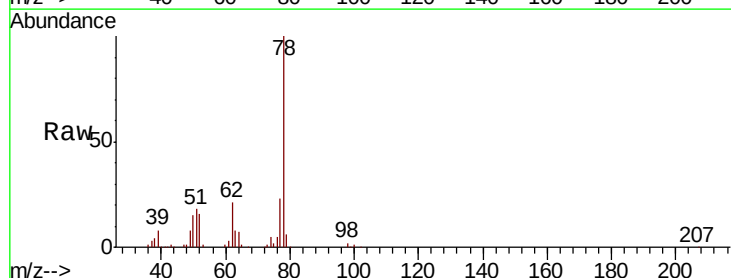
Manual Integrations
APPROVED

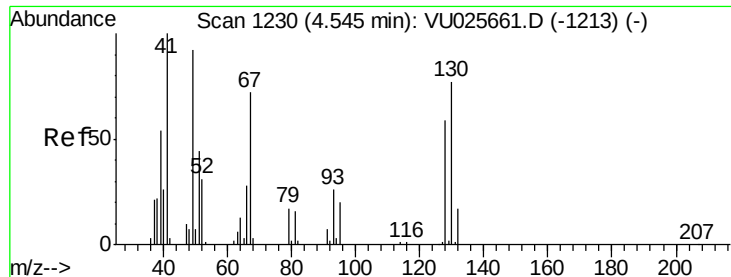
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#40
Benzene
Concen: 19.48 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.8	29.6





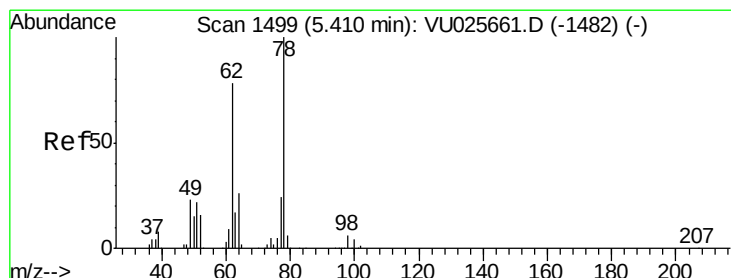
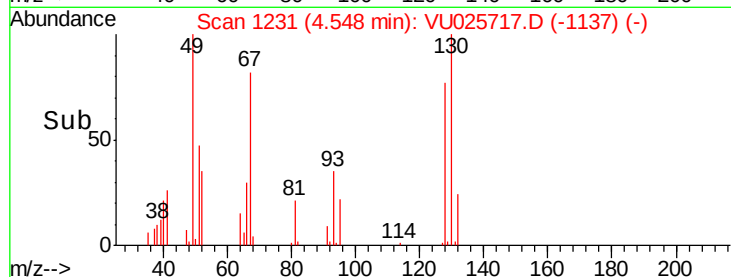
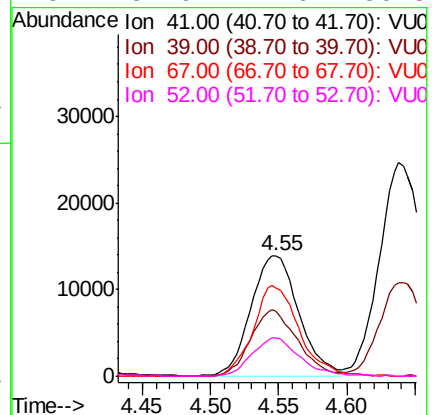
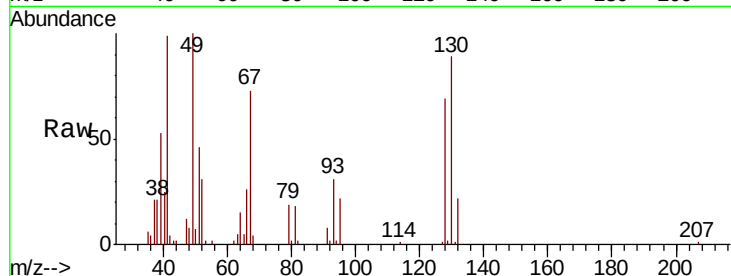
#41
Methacrylonitrile
Concen: 20.06 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		34068		
39	53.6	44.4	66.6		
67	71.7	56.0	84.0		
52	31.9	24.6	36.8		

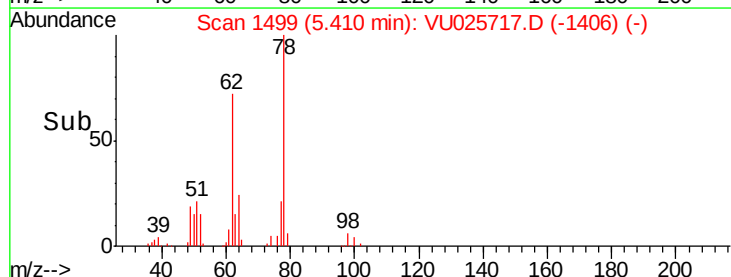
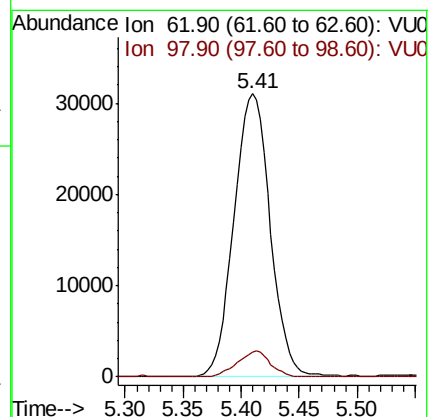
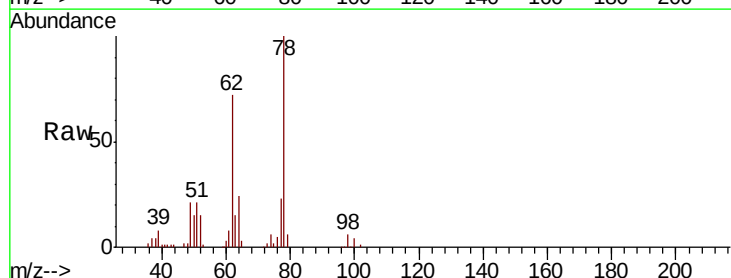
Manual Integrations
APPROVED

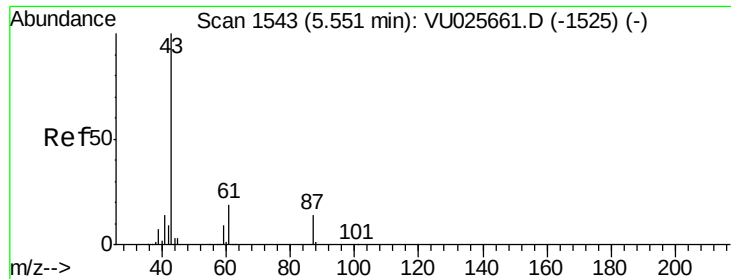
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#42
1,2-Dichloroethane
Concen: 20.29 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		67364		
98	8.4	0.0	16.4		





#43

Isopropyl Acetate

Concen: 19.90 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

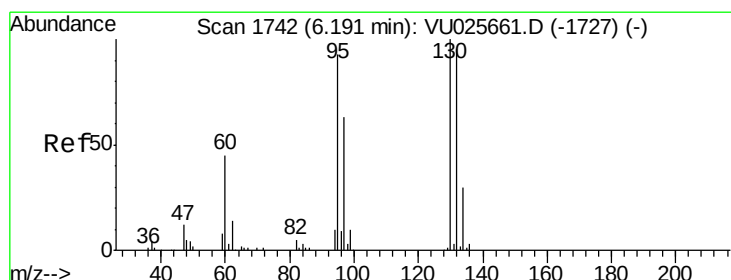
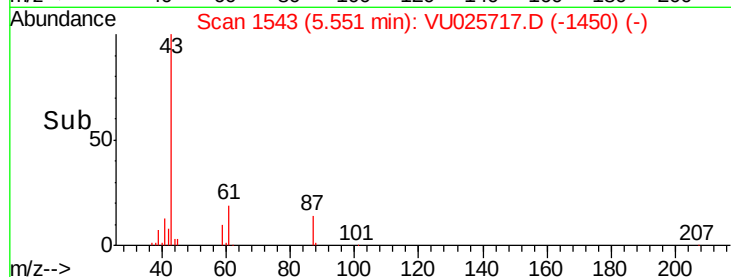
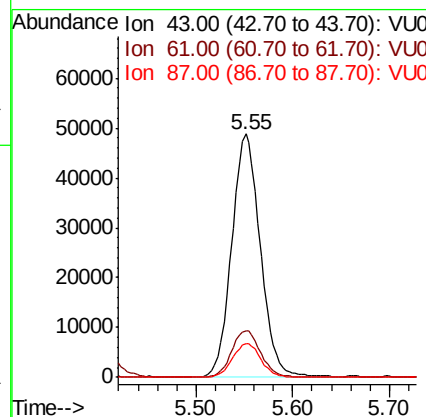
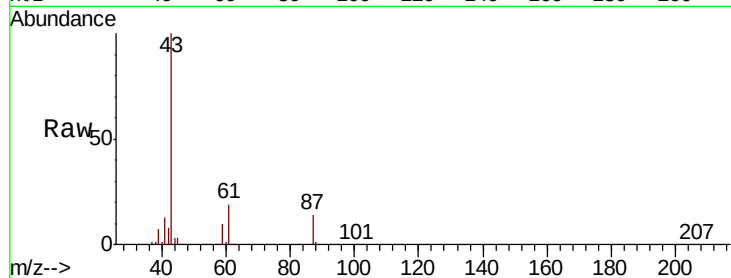
ClientSampleId :

VU0730WBSD01

Tot Ion:	43	Resp:	100563
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.5	23.3
87	13.7	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.64 ug/l

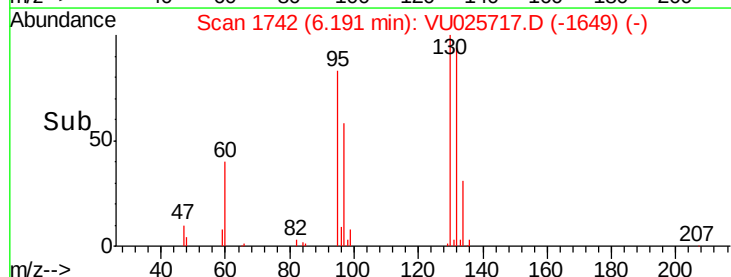
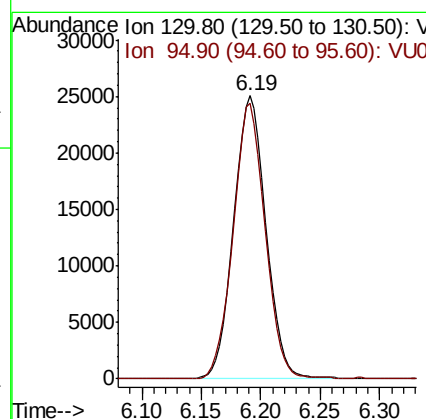
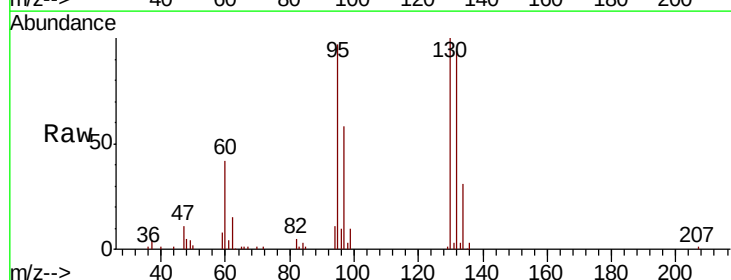
RT: 6.19 min Scan# 1742

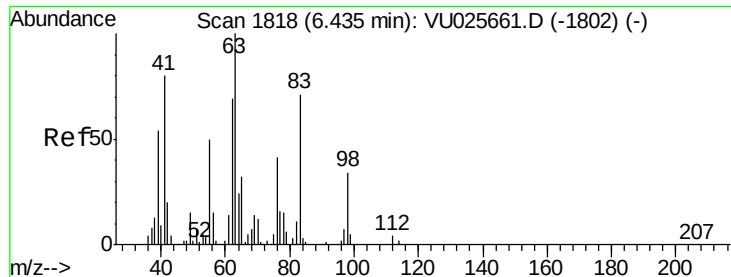
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion:	130	Resp:	47157
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	192.2





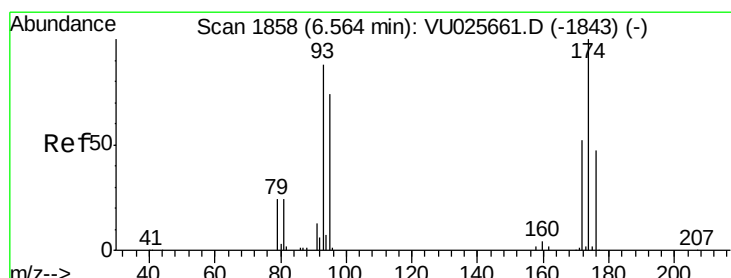
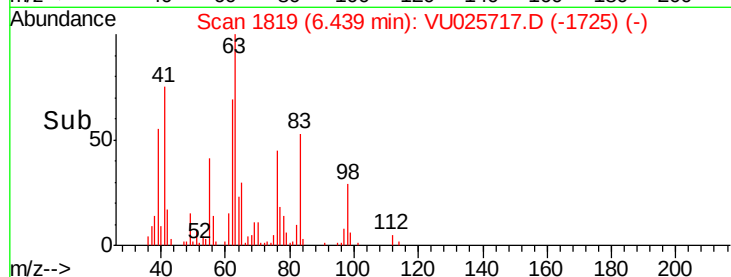
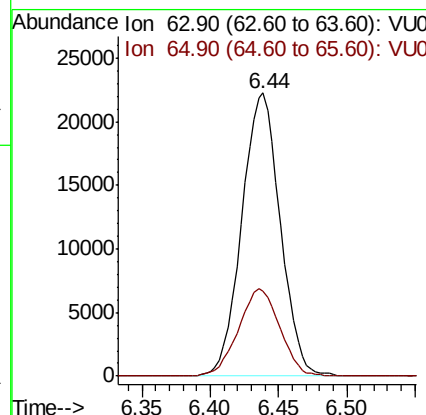
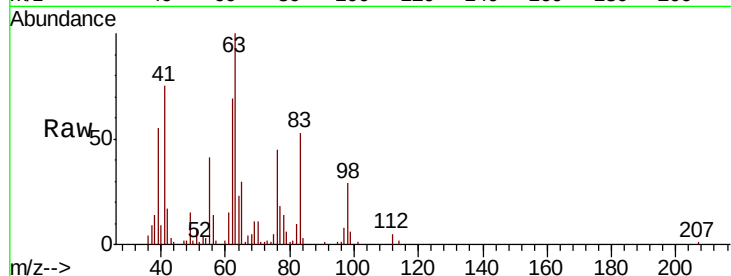
#45
 1,2-Dichloropropane
 Concen: 19.36 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBSD01

Tot Ion: 63 Resp: 43539
 Ion Ratio Lower Upper
 63 100
 65 30.2 26.1 39.1

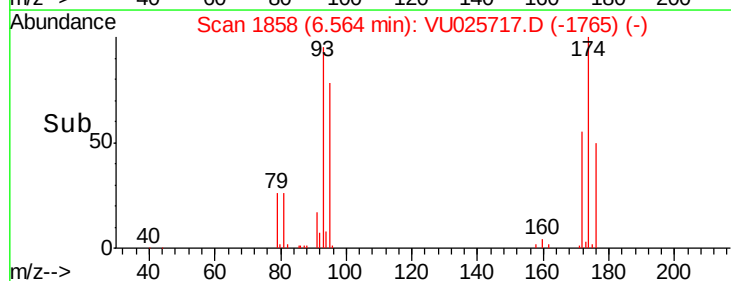
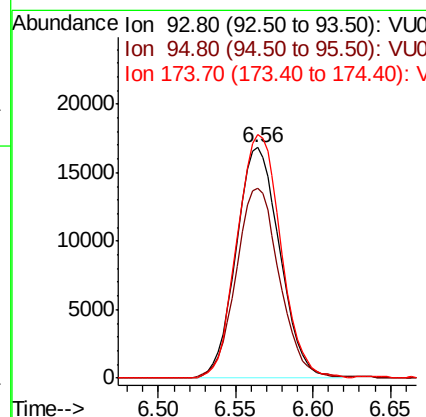
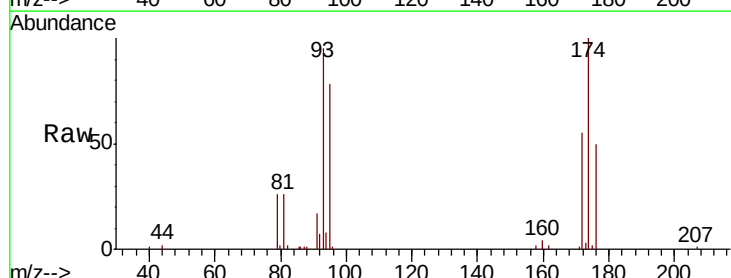
Manual Integrations
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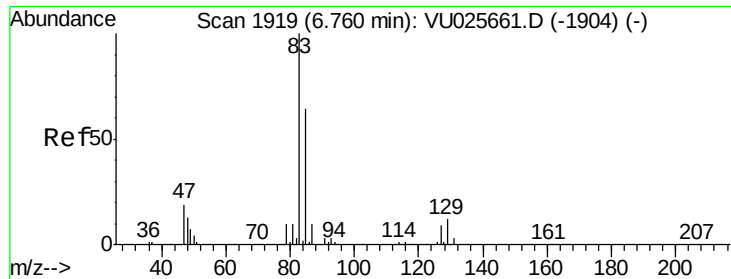
MMDadoda
 7/31/2018 1:23:26 PM



#46
 Dibromomethane
 Concen: 20.25 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Tgt Ion: 93 Resp: 32990
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.6 100.0
 174 105.7 85.8 128.8





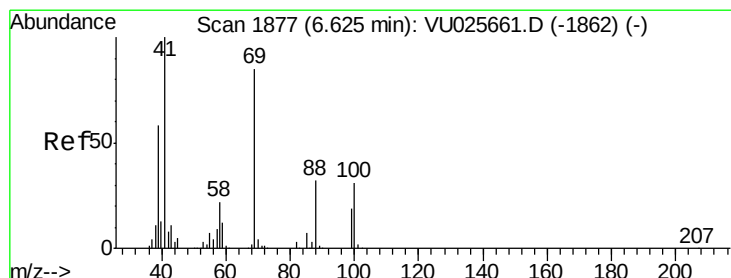
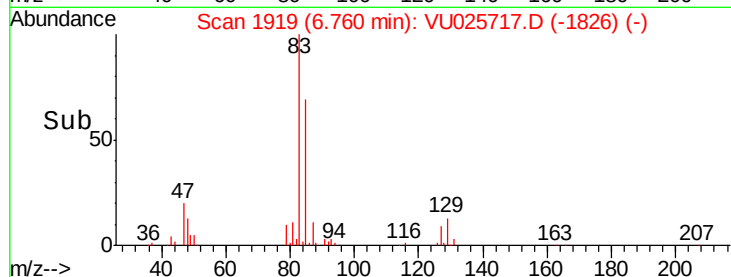
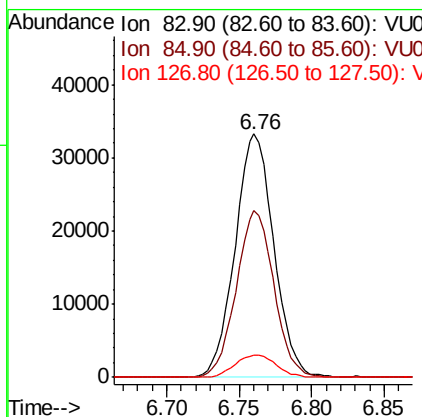
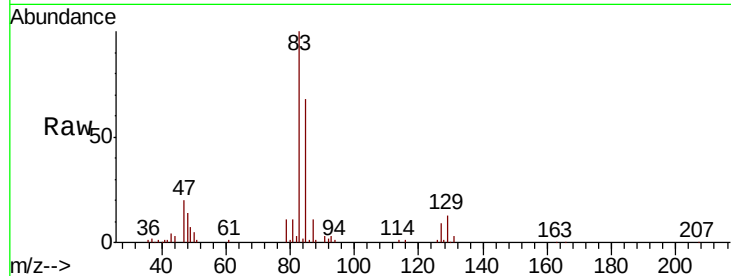
#47
Bromodichloromethane
Concen: 19.88 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	83	Resp	61772
Ion Ratio	100	Lower	Upper
83	100		
85	68.4	50.2	75.4
127	8.9	7.2	10.8

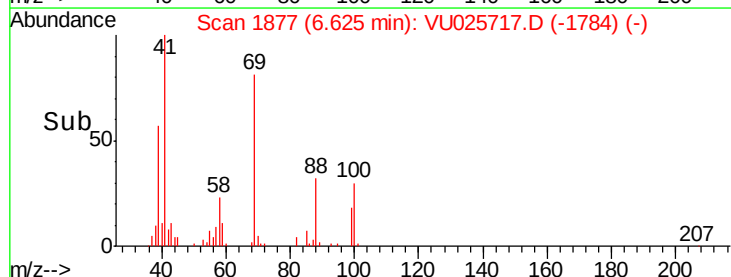
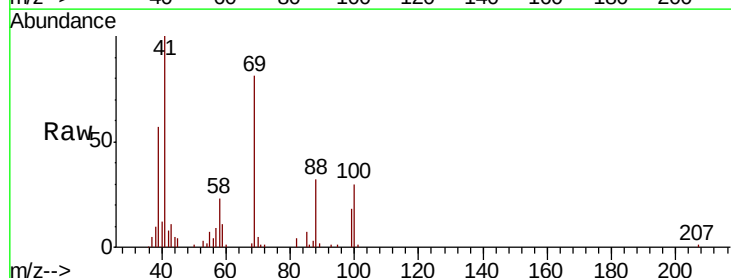
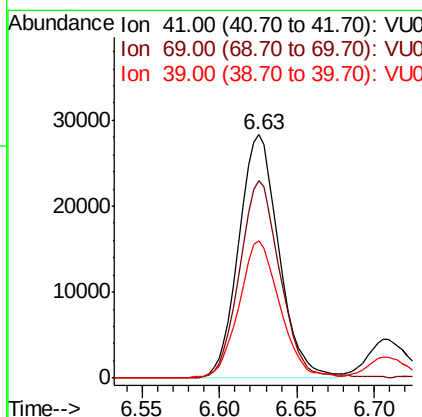
Manual Integrations
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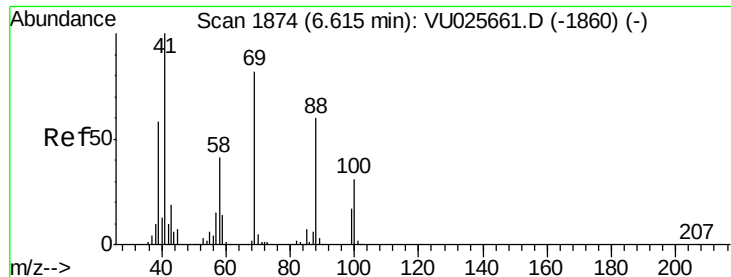
MMDadoda
7/31/2018 1:23:26 PM



#48
Methyl methacrylate
Concen: 20.70 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	41	Resp	51281
Ion Ratio	100	Lower	Upper
41	100		
69	81.7	65.0	97.4
39	57.5	46.4	69.6





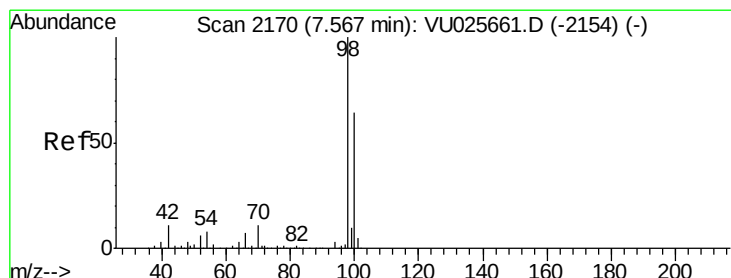
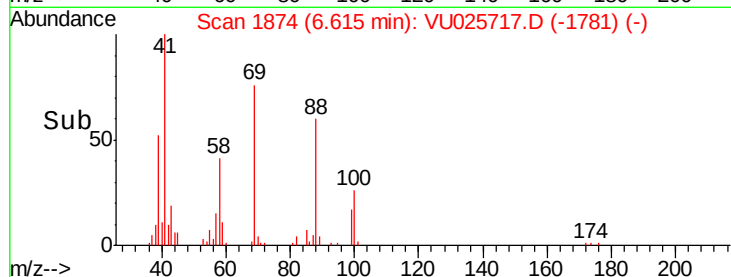
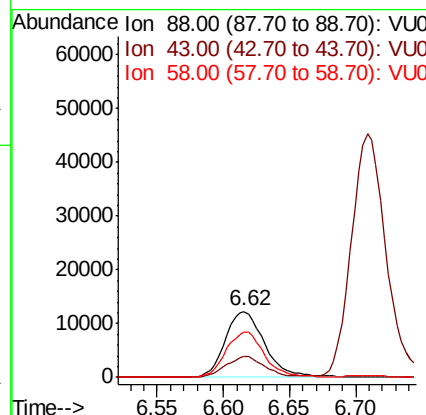
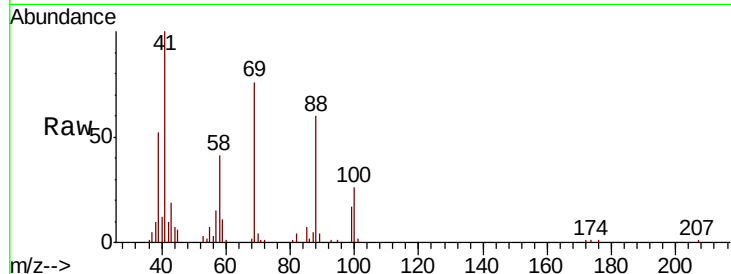
#49
1,4-Dioxane
Concen: 419.58 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	27.3	40.9
58	67.4	57.6	86.4

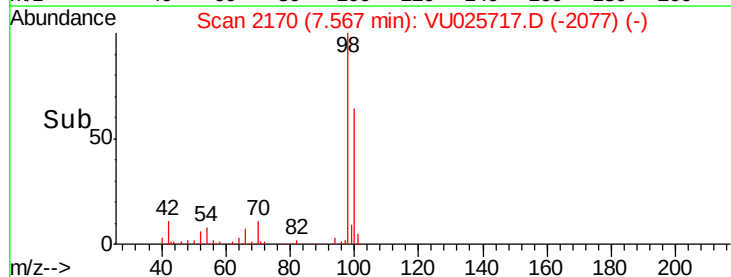
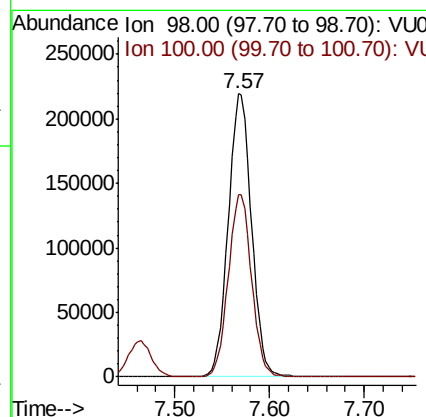
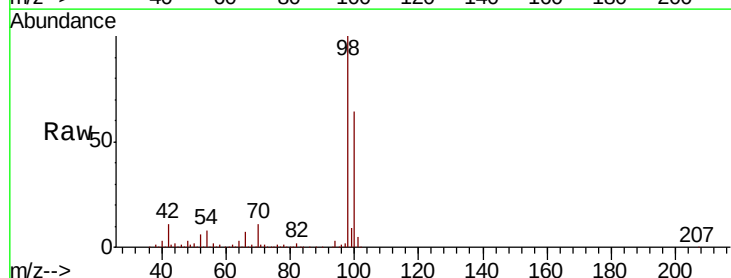
Manual Integrations
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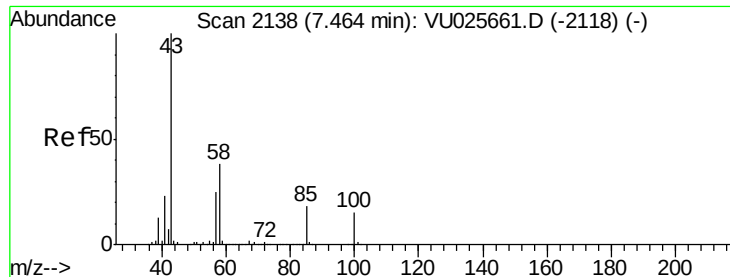
MMDadoda
7/31/2018 1:23:26 PM



#50
Toluene-d8
Concen: 48.97 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 98.71 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion: 43 Resp: 312326

Ion Ratio Lower Upper

43 100

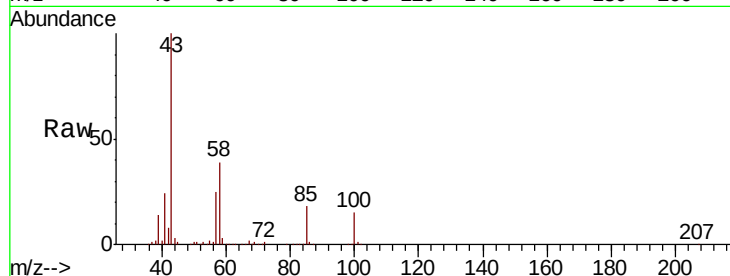
58 38.7 31.0 46.4

Manual Integrations

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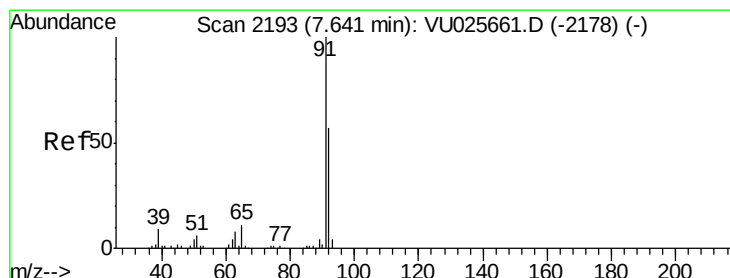
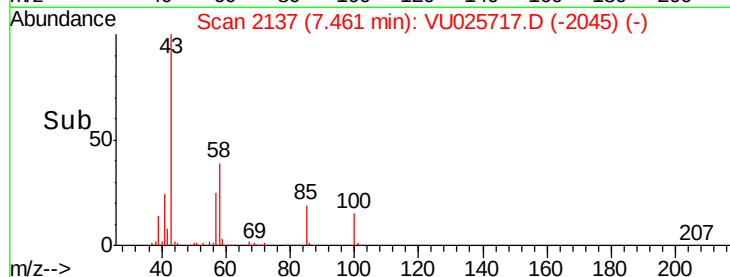
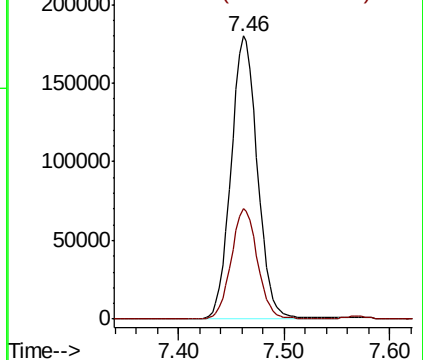
MMDadoda

7/31/2018 1:23:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.98 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025717.D

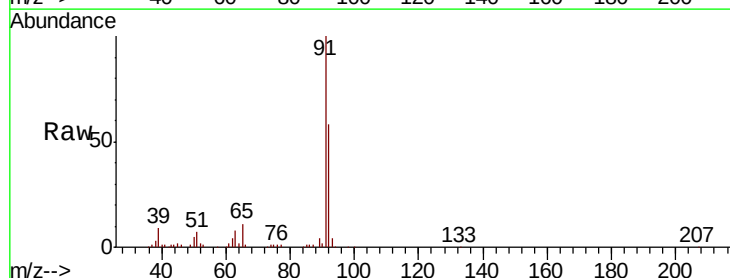
Acq: 30 Jul 2018 12:20

Tgt Ion: 92 Resp: 107020

Ion Ratio Lower Upper

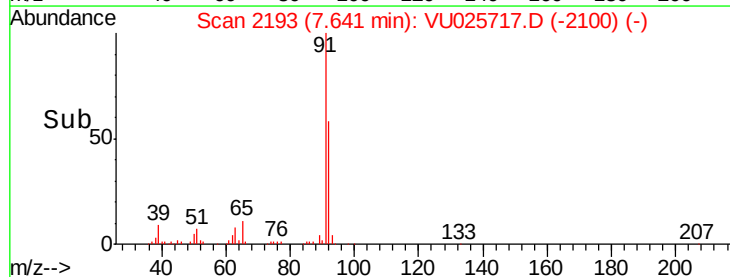
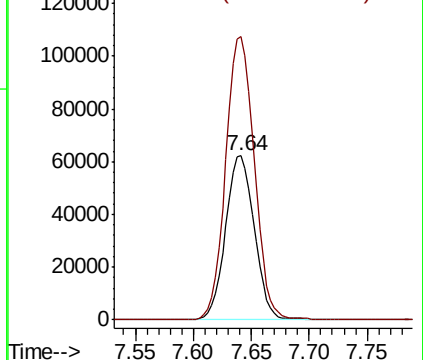
92 100

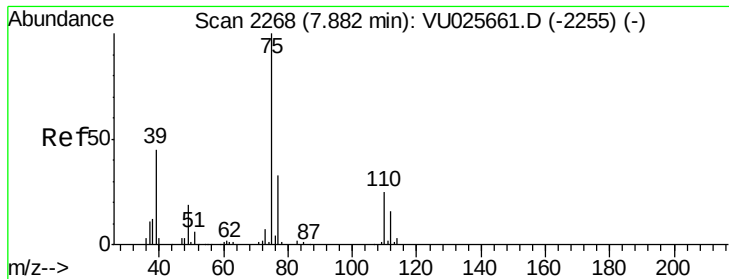
91 172.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





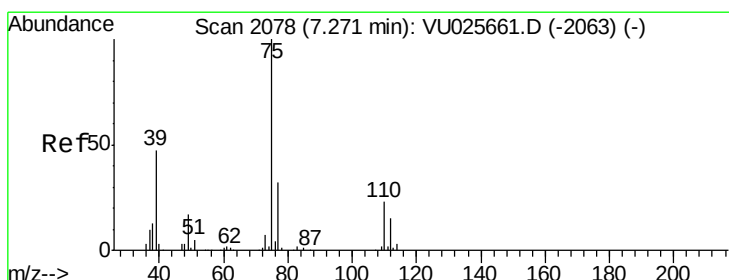
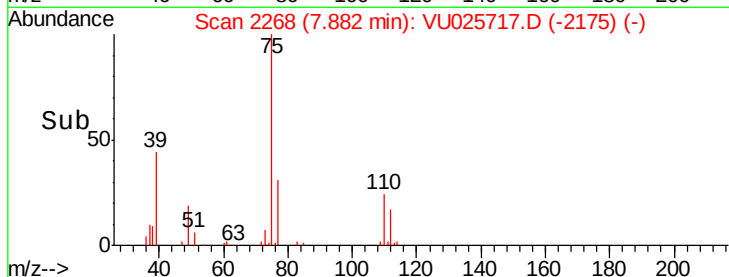
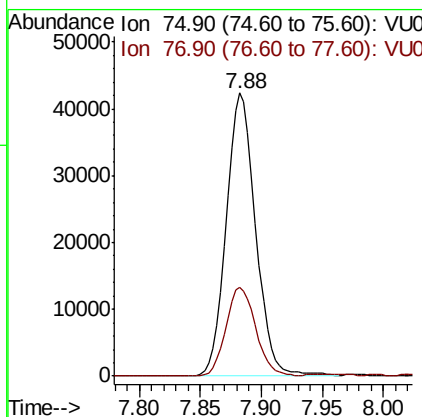
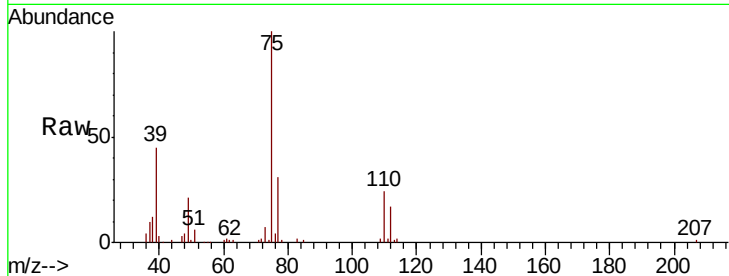
#53
t-1,3-Dichloropropene
Concen: 20.51 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion: 75 Resp: 71565
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7

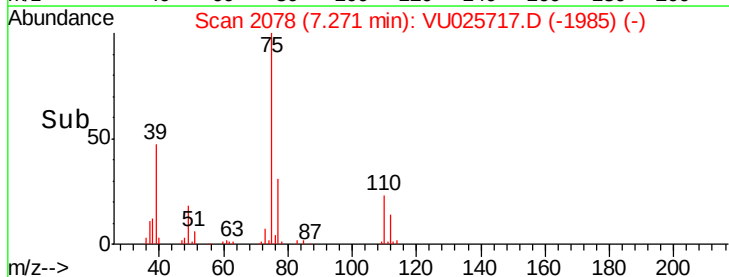
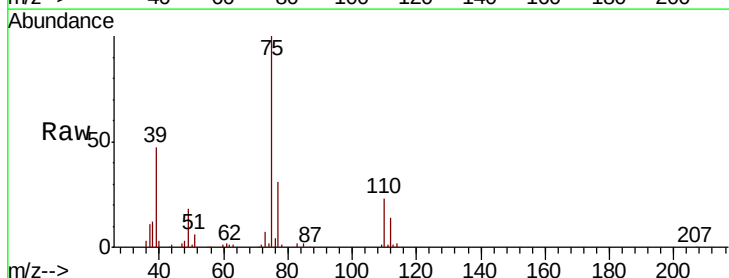
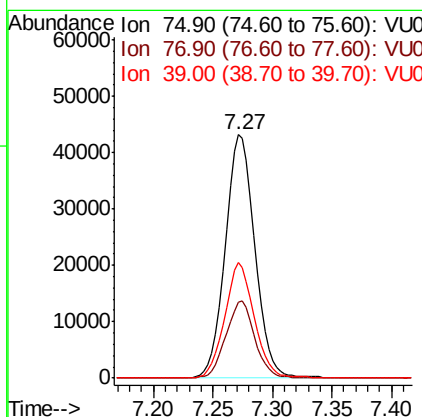
Manual Integrations
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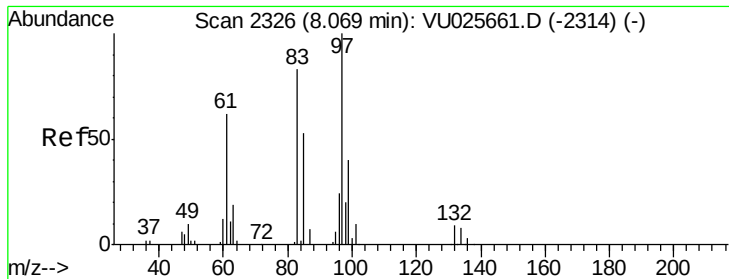
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.73 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion: 75 Resp: 74324
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4
39 47.5 40.0 60.0





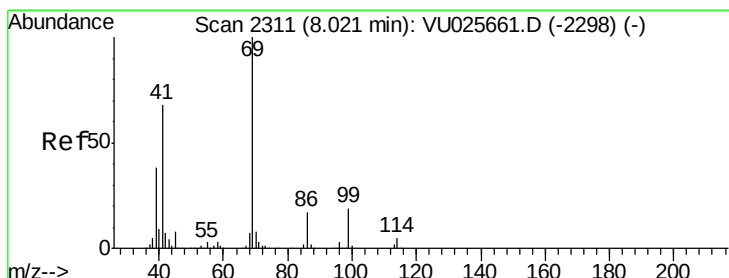
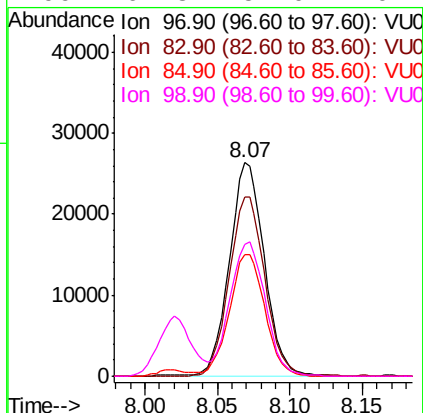
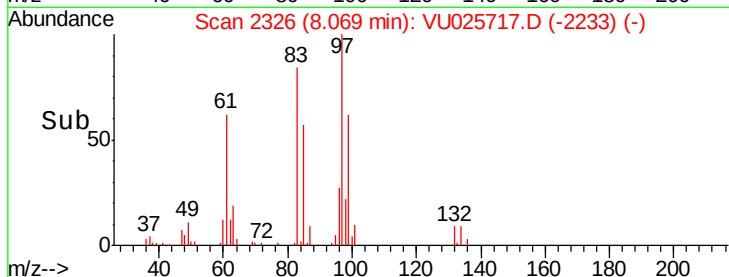
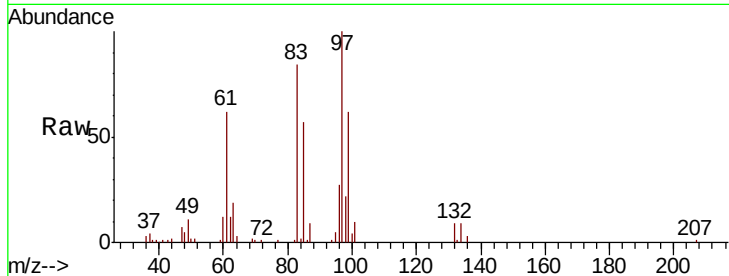
#55
 1,1,2-Trichloroethane
 Concen: 19.77 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		43996		
83	84.1	68.9	103.3		
85	57.2	44.4	66.6		
99	61.8	51.0	76.4		

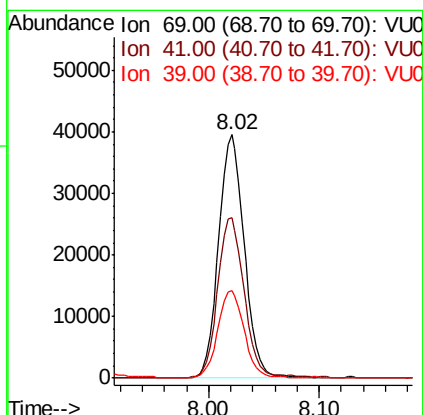
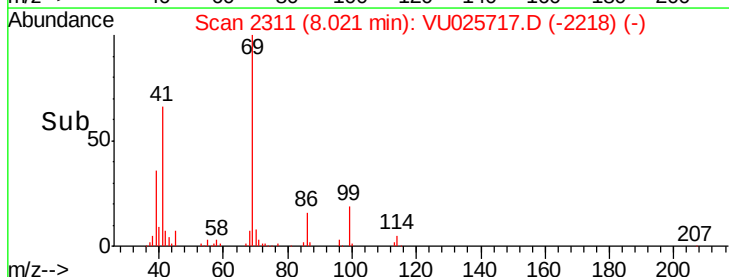
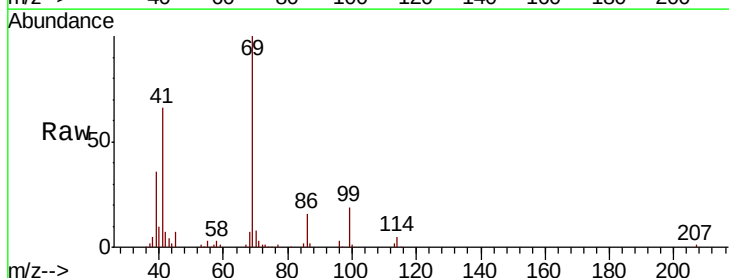
Manual Integrations
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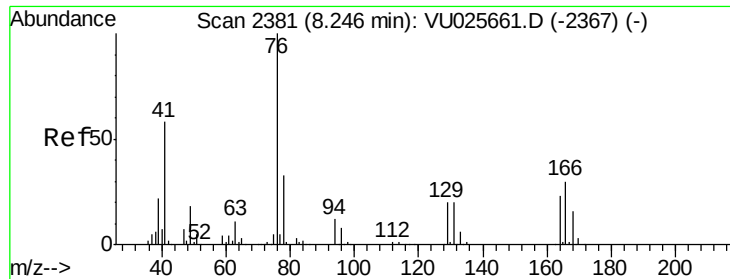
MMDadoda
 7/31/2018 1:23:26 PM



#56
 Ethyl methacrylate
 Concen: 20.11 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		63959		
41	67.6	54.8	82.2		
39	35.8	31.1	46.7		





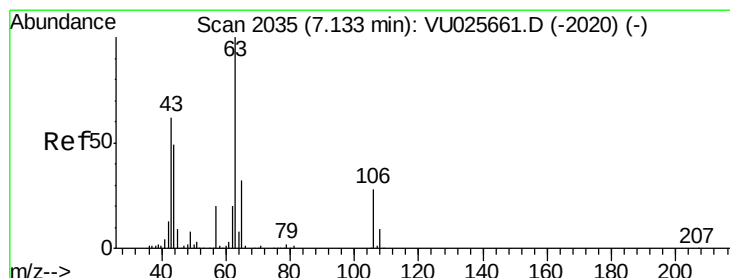
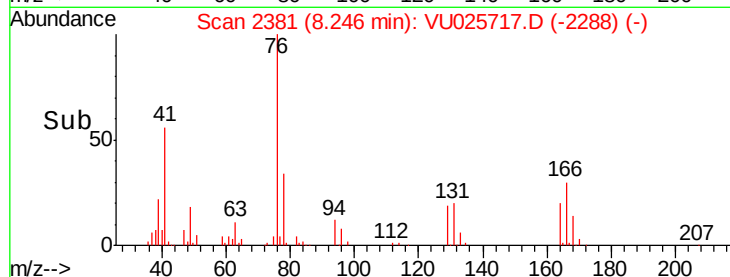
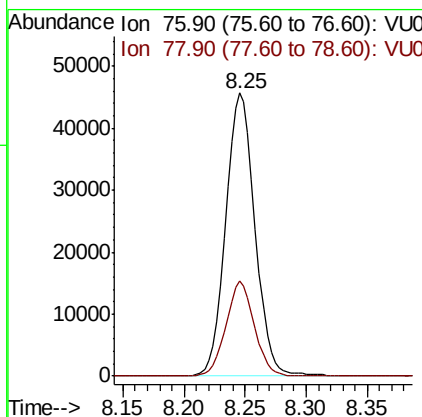
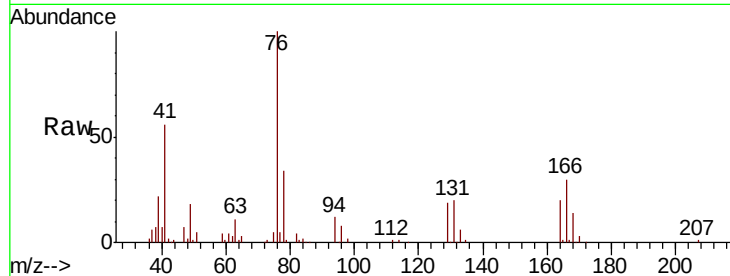
#57
 1,3-Dichloropropane
 Concen: 20.49 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBSD01

Tot Ion: 76 Resp: 76695
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

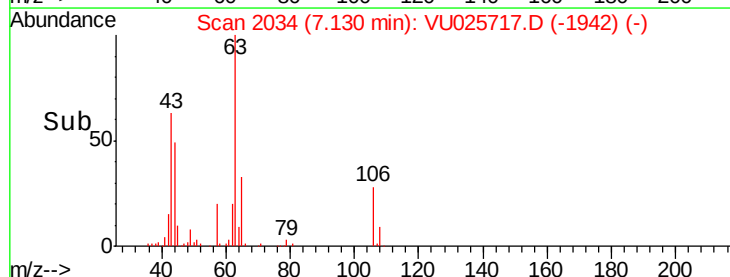
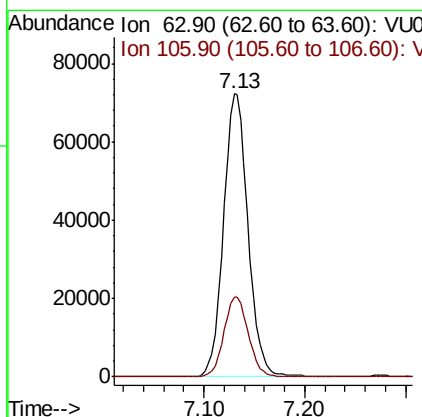
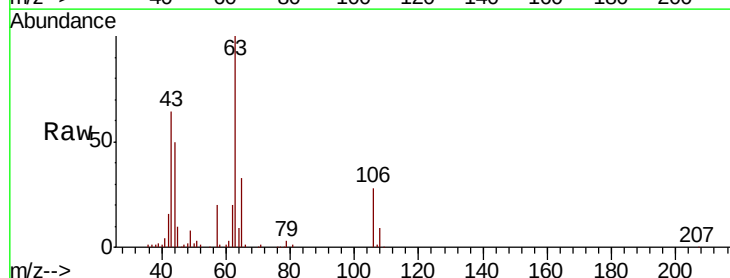
Manual Integrations
 APPROVED

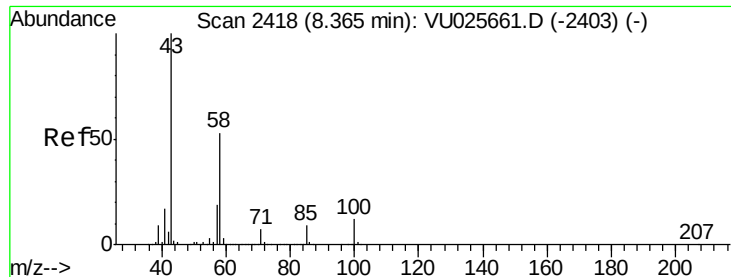
MMDadoda
 7/31/2018 1:23:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.77 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Tgt Ion: 63 Resp: 122570
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.3 33.5





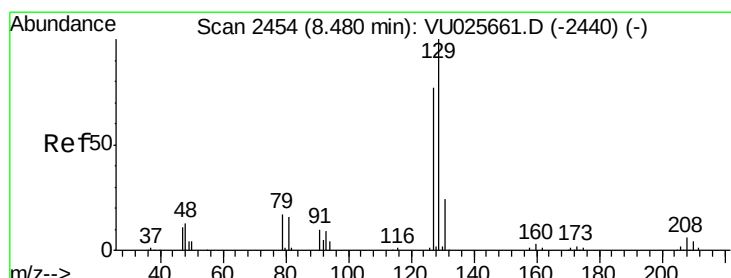
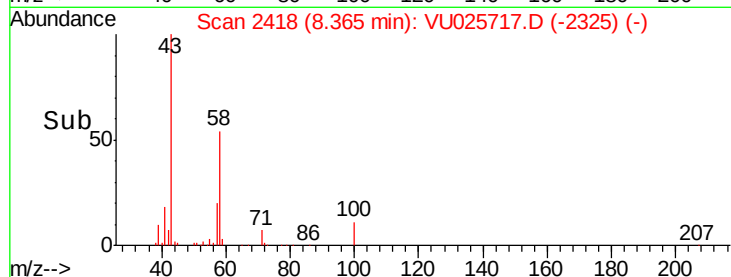
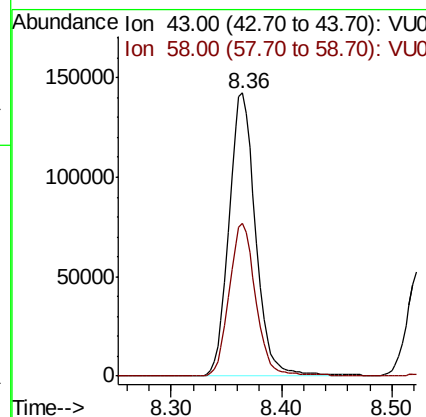
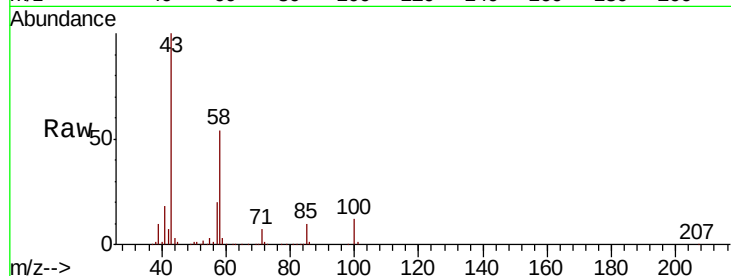
#59
2-Hexanone
Concen: 96.16 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	43	Resp	238496
Ion Ratio	43	100	
Lower	58	53.9	26.2
Upper			78.5

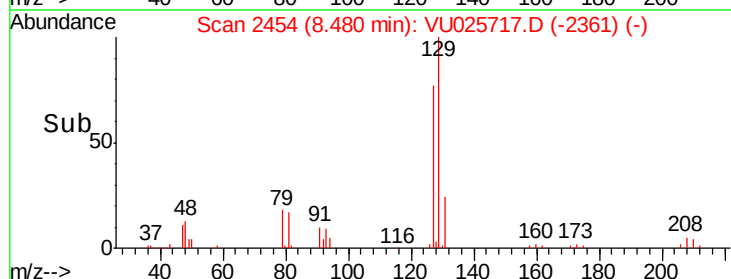
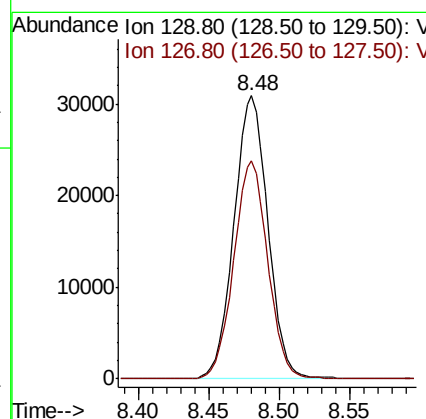
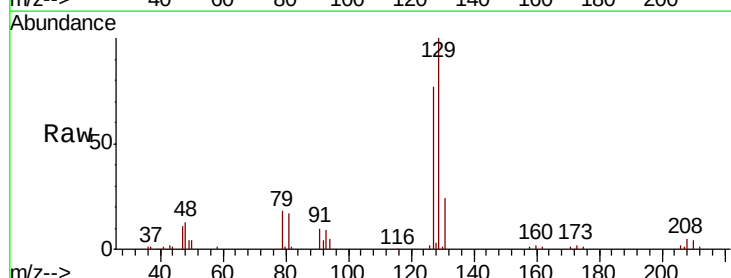
Manual Integrations
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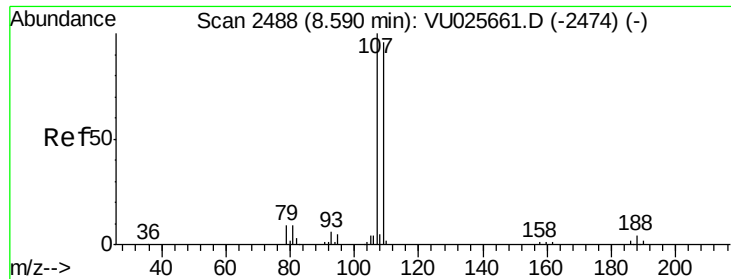
MMDadoda
7/31/2018 1:23:26 PM



#60
Dibromochloromethane
Concen: 19.78 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	129	Resp	51925
Ion Ratio	129	100	
Lower	127	77.2	38.6
Upper			115.8





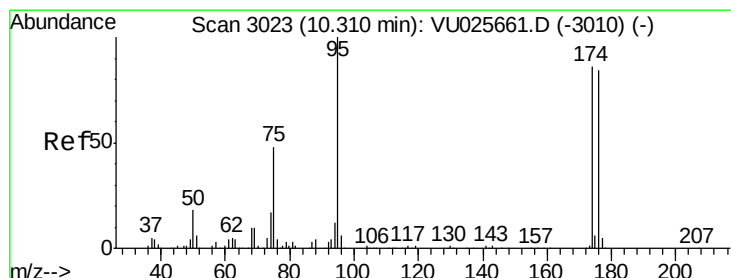
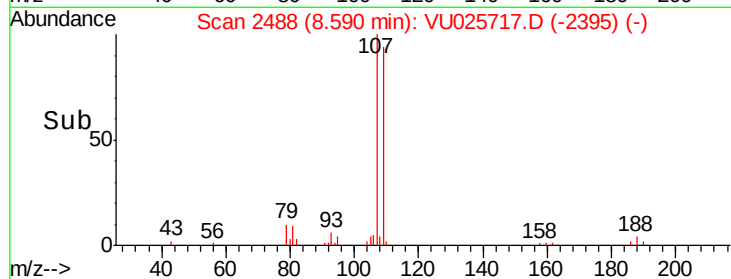
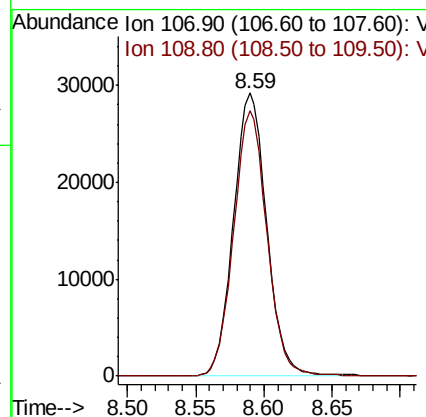
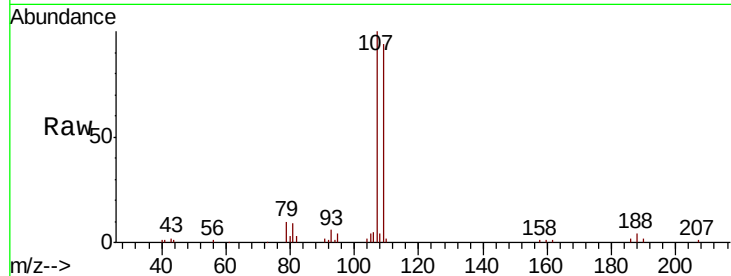
#61
 1,2-Dibromoethane
 Concen: 19.95 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.8	113.8

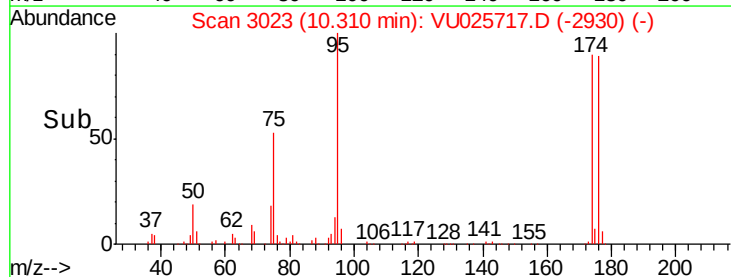
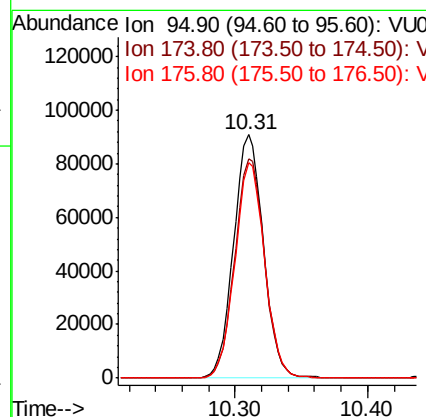
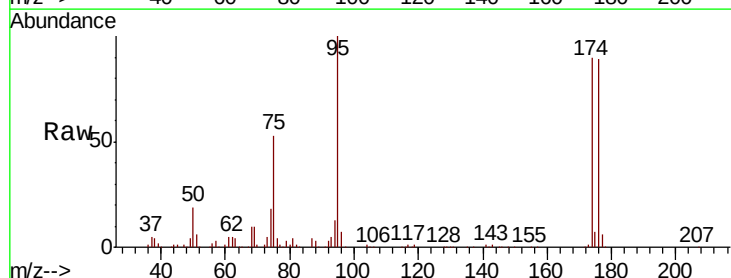
Manual Integrations
 APPROVED

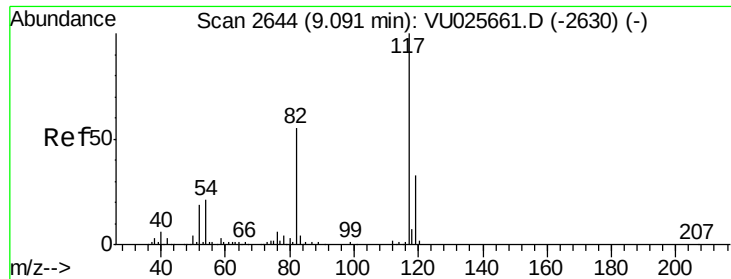
MMDadoda
 7/31/2018 1:23:26 PM



#62
 4-Bromofluorobenzene
 Concen: 47.65 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	172.2
176	88.3	0.0	162.6





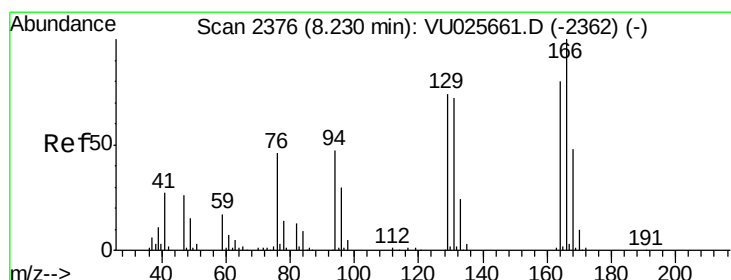
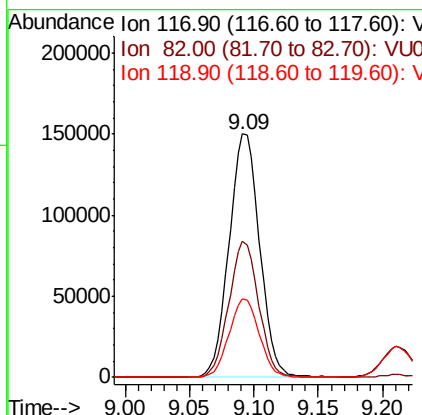
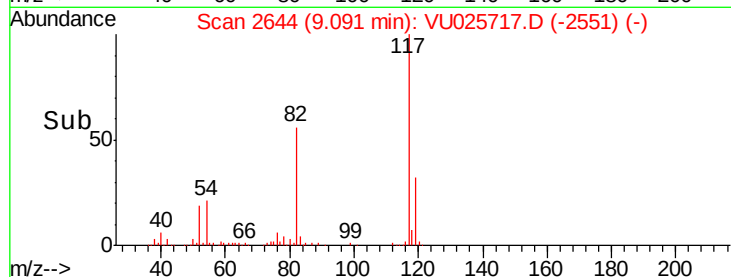
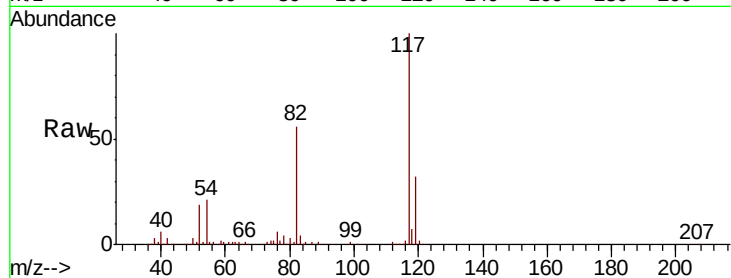
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.0	69.0
119	32.1	26.0	39.0

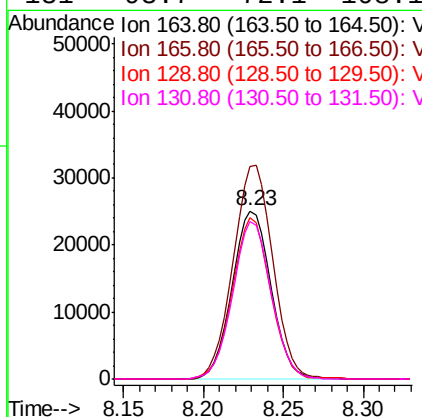
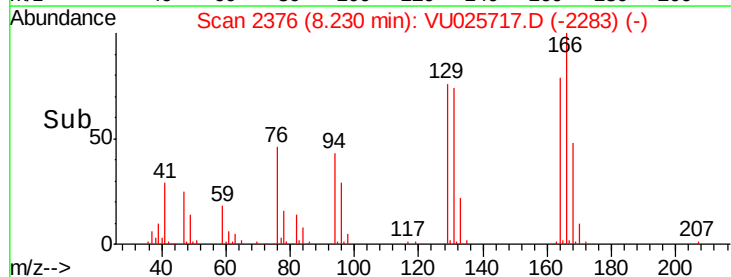
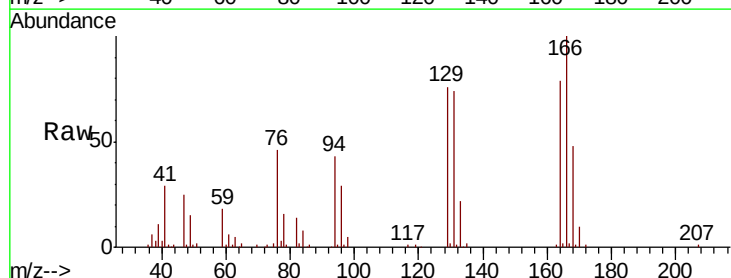
Manual Integrations
APPROVED

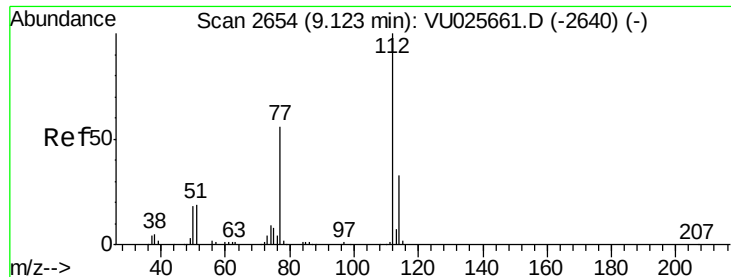
MMDadoda
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#64
Tetrachloroethene
Concen: 18.98 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.1	151.7
129	96.2	73.0	109.6
131	93.7	72.1	108.1





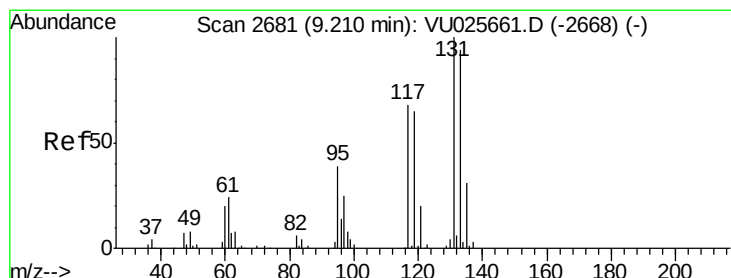
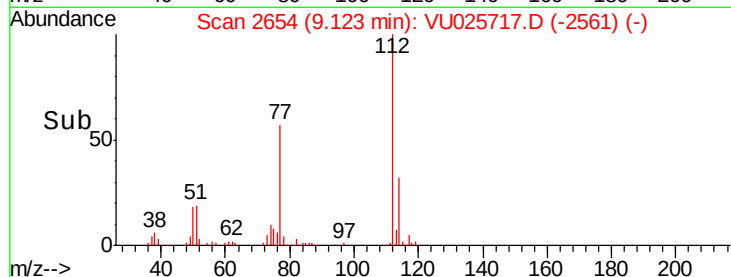
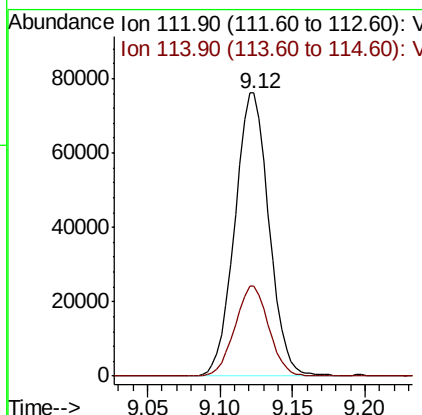
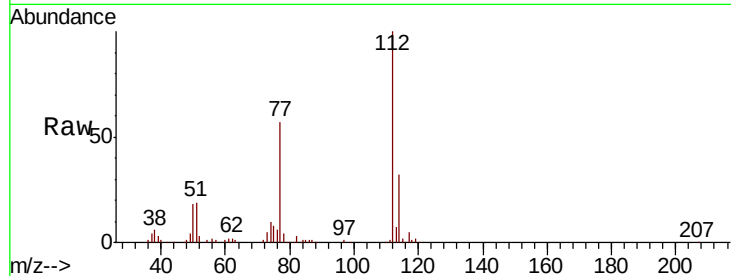
#65
Chlorobenzene
Concen: 19.53 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	124556		
114	31.9	25.8	38.8	

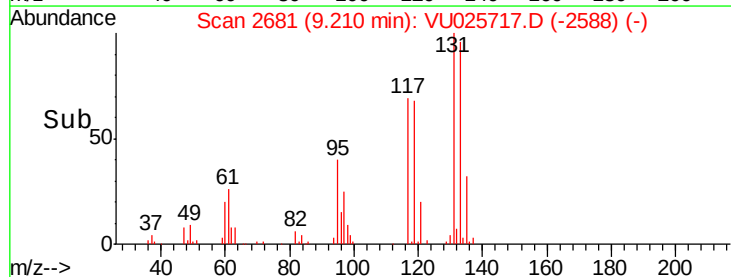
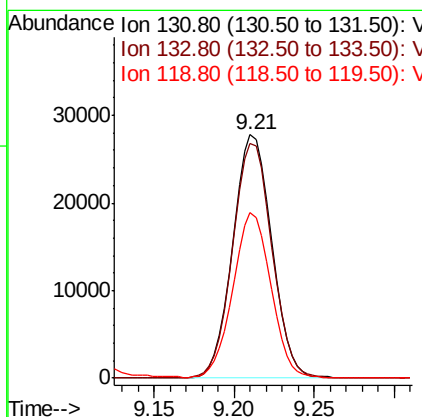
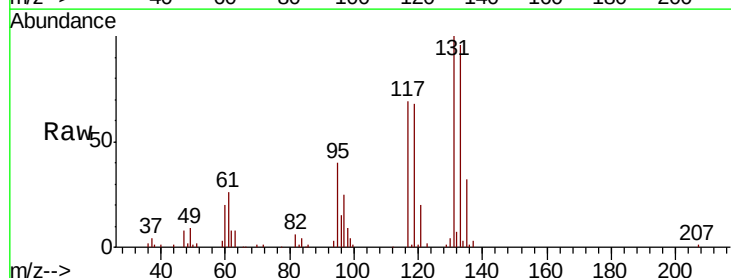
Manual Integrations
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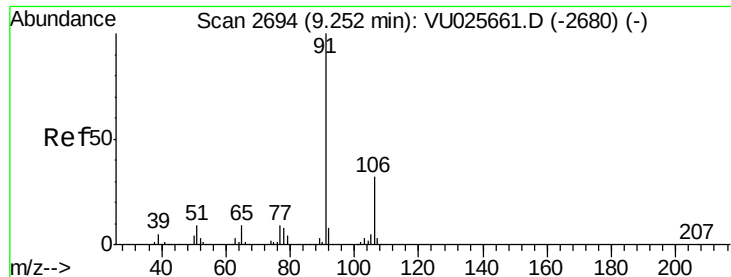
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.94 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	46013		
133	97.7	47.8	143.3	
119	66.6	31.6	95.0	





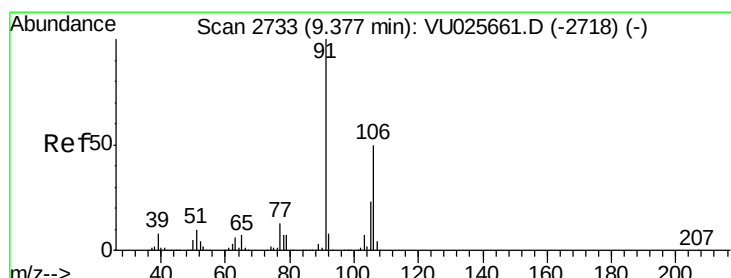
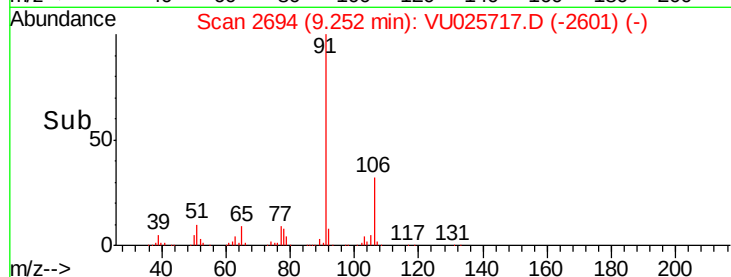
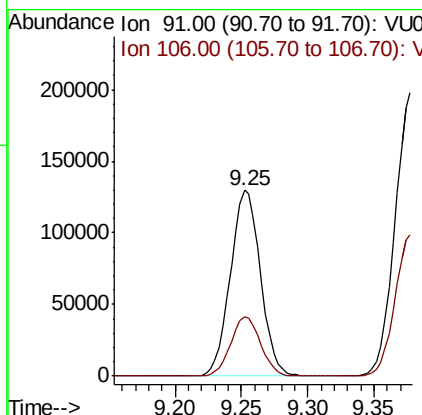
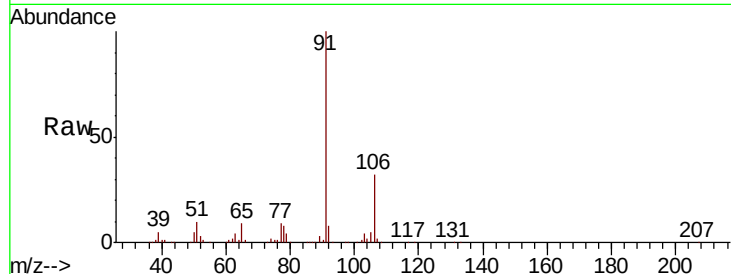
#67
Ethyl Benzene
Concen: 19.40 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion: 91 Resp: 204984
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9

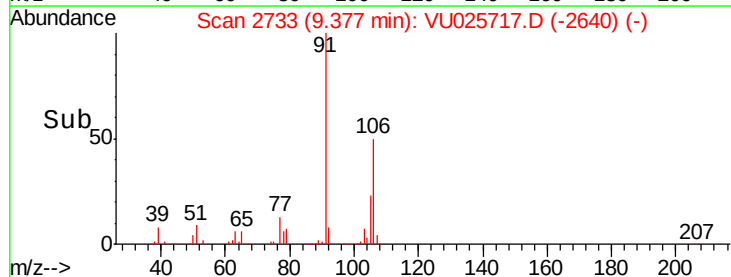
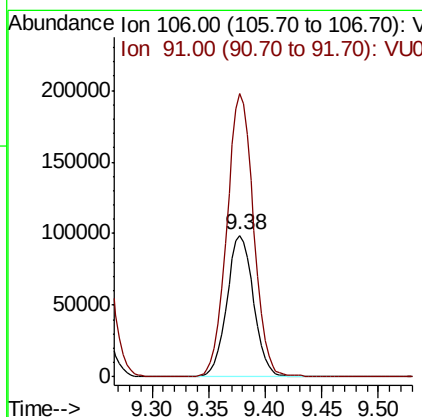
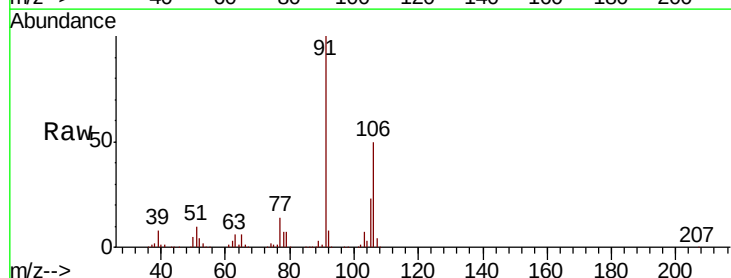
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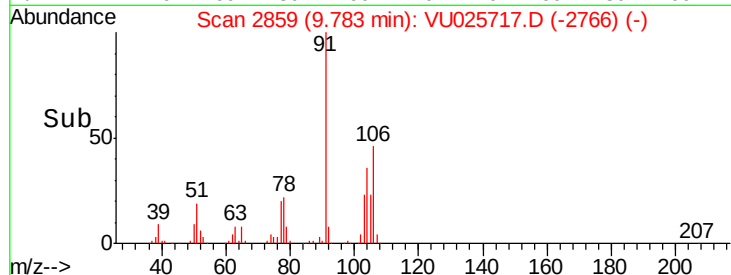
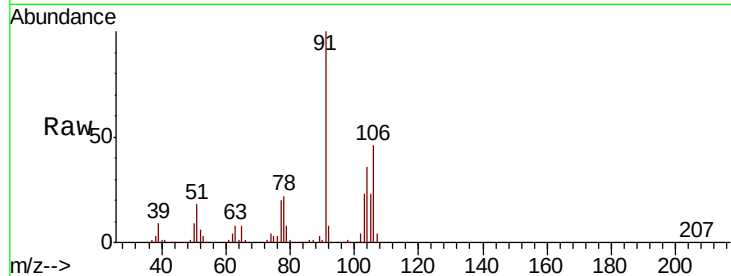
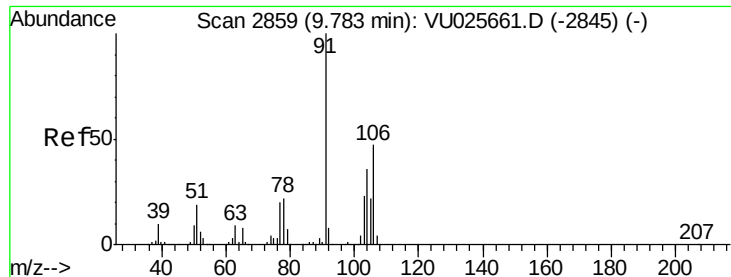
MMDadoda
7/31/2018 1:23:26 PM



#68
m/p-Xylenes
Concen: 39.94 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion: 106 Resp: 162016
Ion Ratio Lower Upper
106 100
91 200.3 162.3 243.5





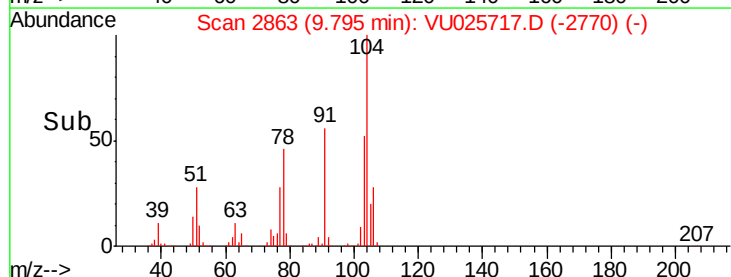
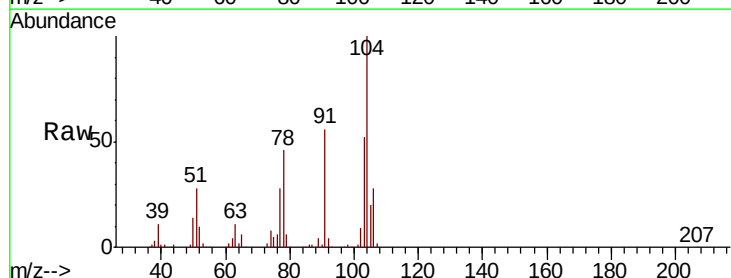
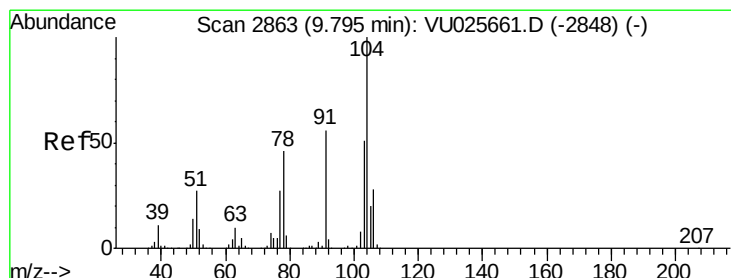
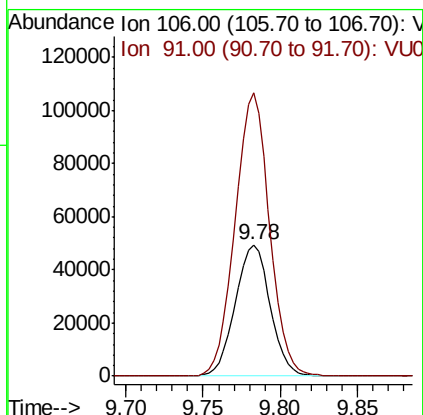
#69
o-Xylene
Concen: 19.47 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tot Ion:106 Resp: 77192
Ion Ratio Lower Upper
106 100
91 213.2 105.3 315.8

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

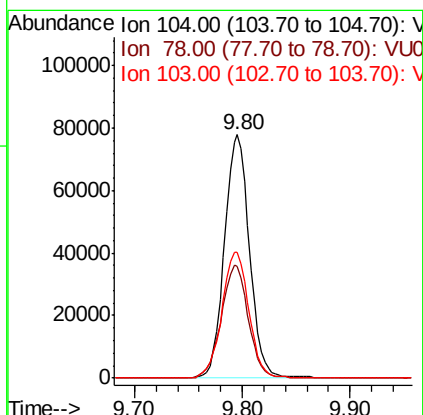
Manual Integrations
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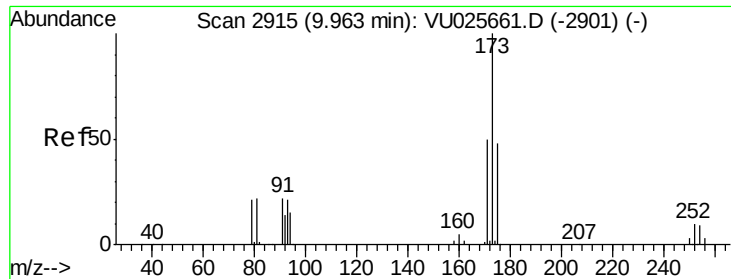
MMDadoda
7/31/2018 1:23:26 PM



#70
Styrene
Concen: 19.64 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion:104 Resp: 125740
Ion Ratio Lower Upper
104 100
78 50.1 41.6 62.4
103 55.7 44.6 66.8





#71

Bromoform

Concen: 19.99 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

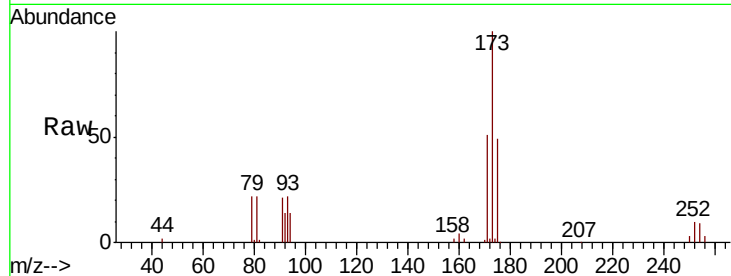
ClientSampleId :

VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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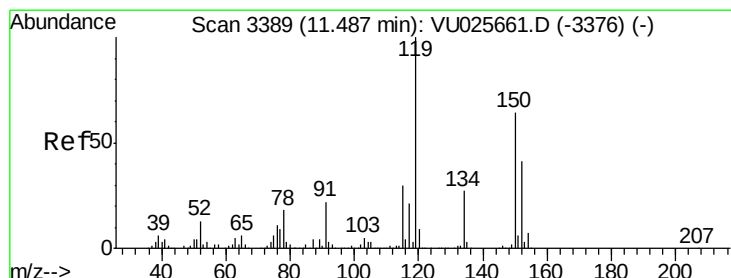
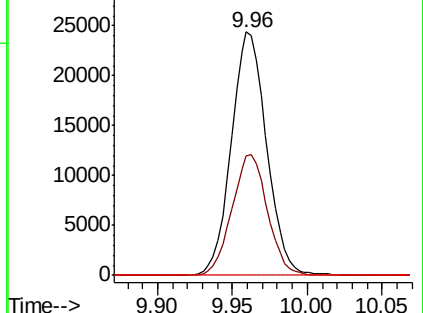
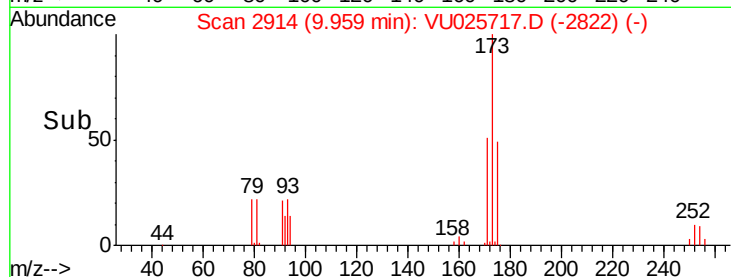


Abundance

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

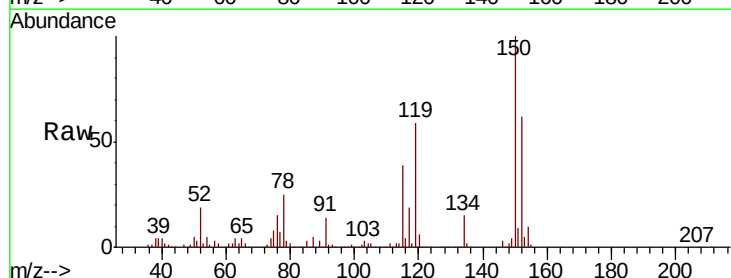
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.4	40.1	120.3
150	166.3	0.0	351.4

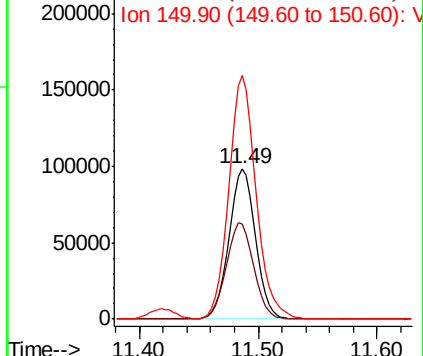
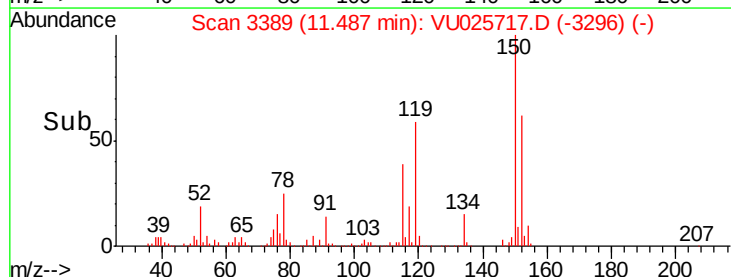


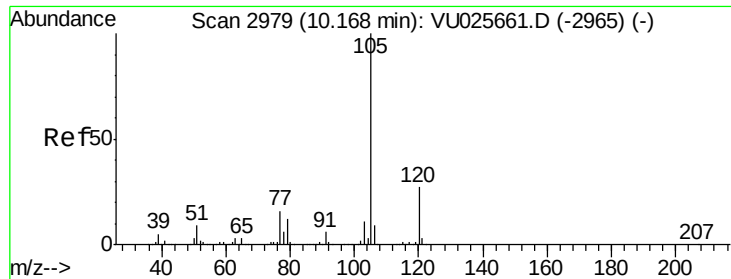
Abundance

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: 20.24 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion: 105 Resp: 209291

Ion Ratio Lower Upper

105 100

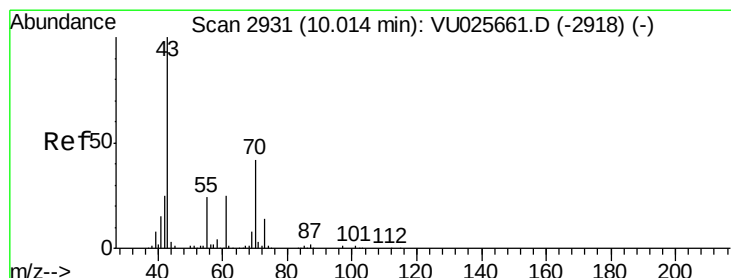
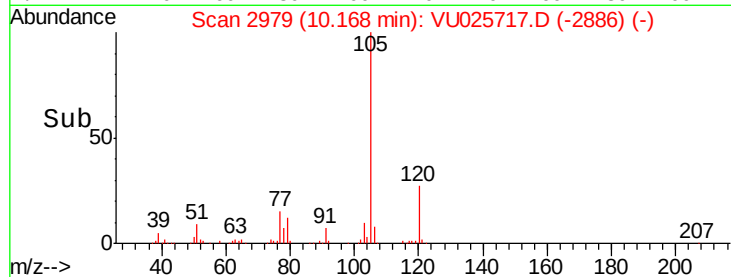
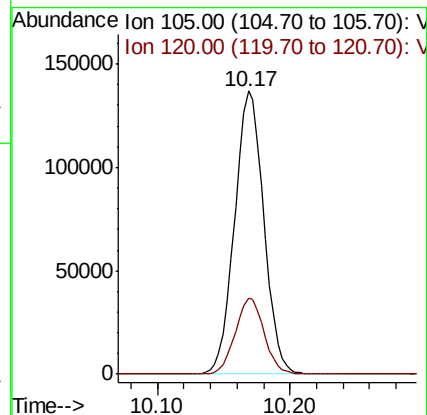
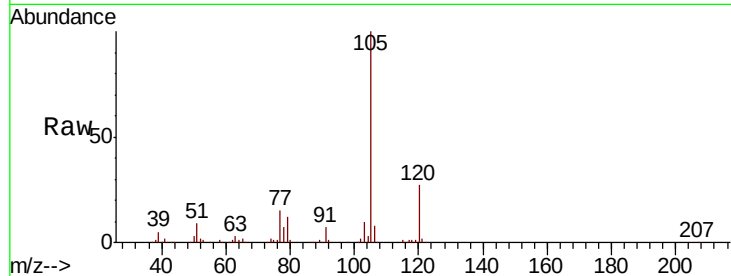
120 26.6 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.31 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion: 43 Resp: 85741

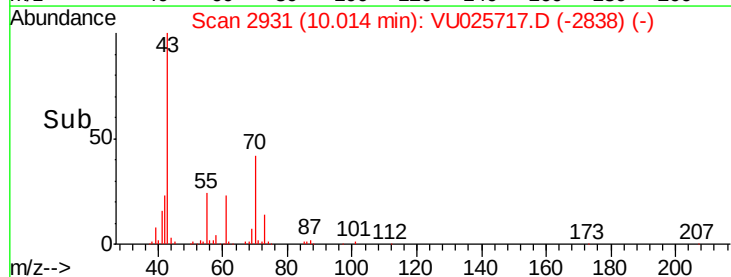
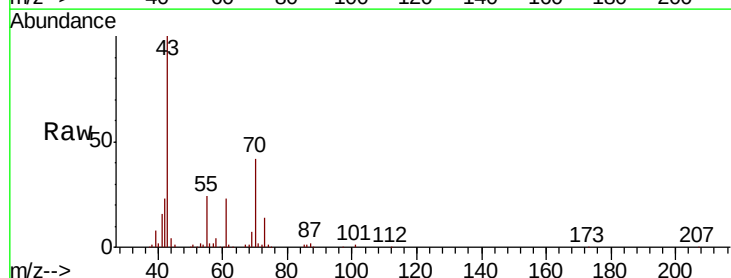
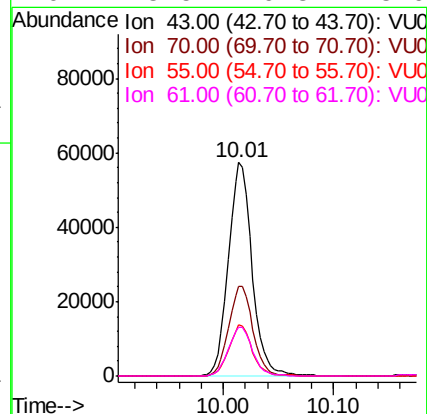
Ion Ratio Lower Upper

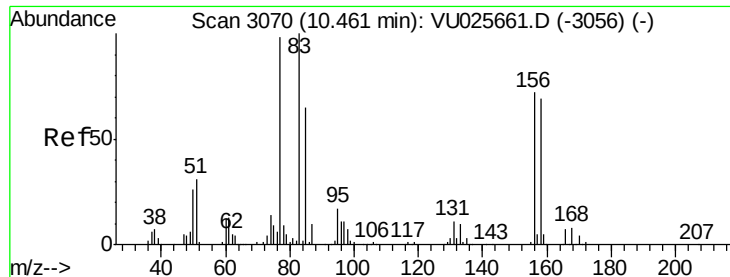
43 100

70 42.8 33.4 50.2

55 23.4 19.0 28.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.16 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion: 83 Resp: 72100

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.4

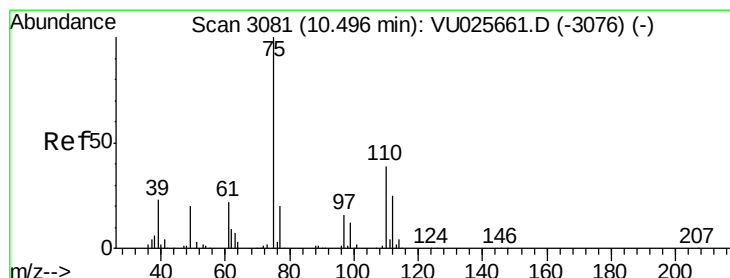
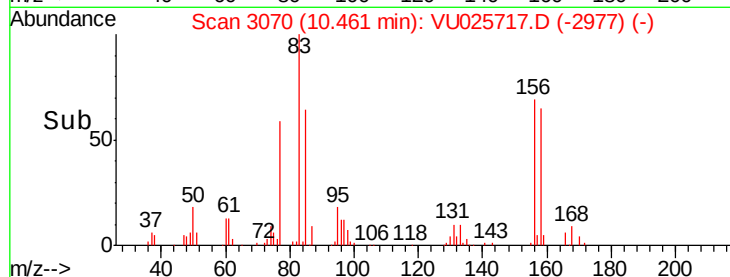
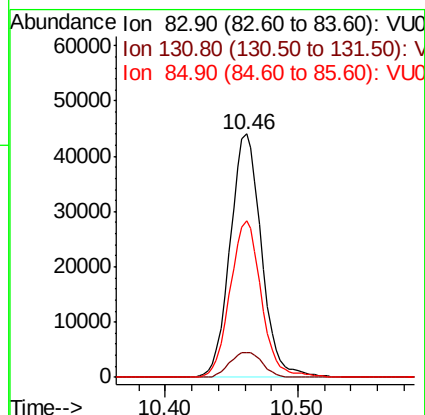
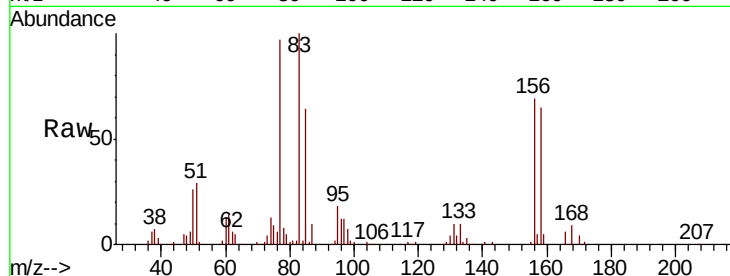
85 64.3 31.6 94.8

Manual Integrations

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#76

1,2,3-Trichloropropane

Concen: 19.48 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025717.D

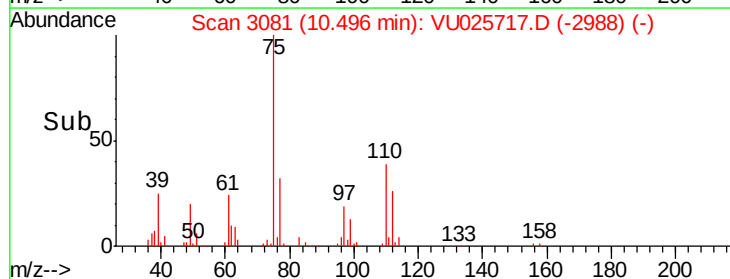
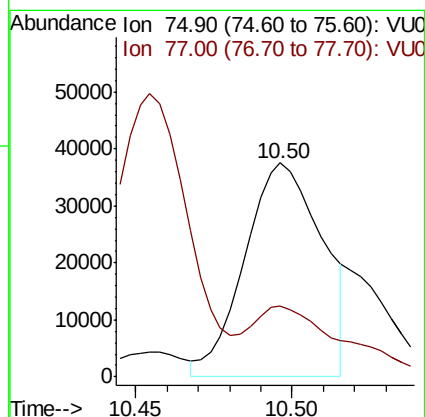
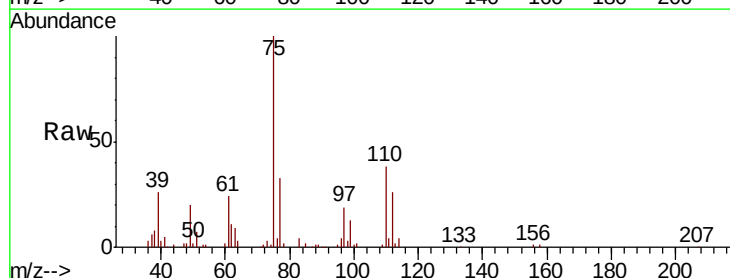
Acq: 30 Jul 2018 12:20

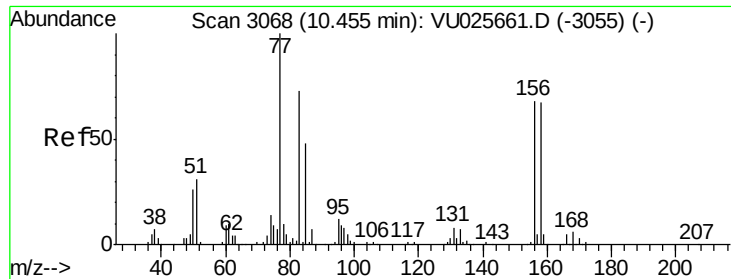
Tgt Ion: 75 Resp: 65040

Ion Ratio Lower Upper

75 100

77 39.0 20.4 61.3





#77

Bromobenzene

Concen: 19.81 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

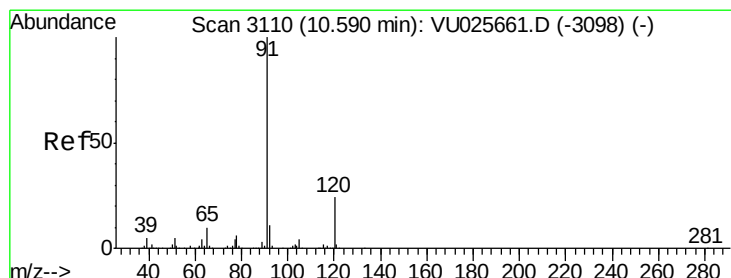
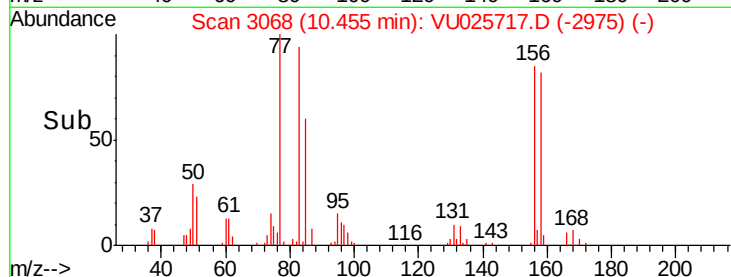
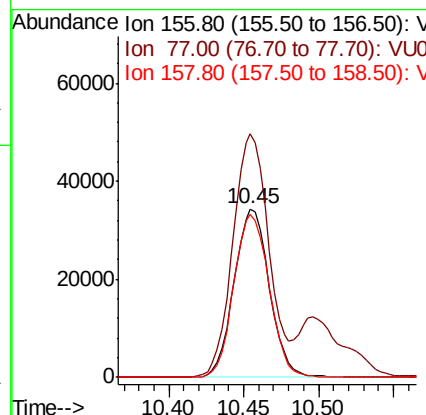
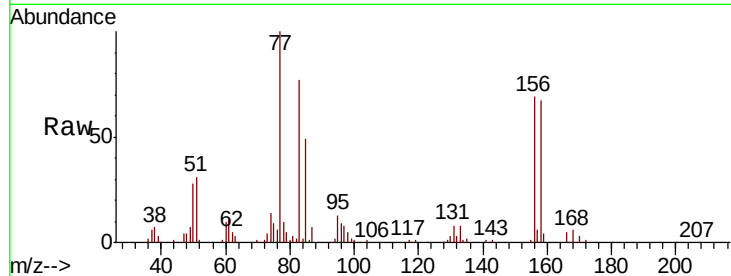
ClientSampleId :

VU0730WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	146.9	73.8	221.4	
158	97.1	48.0	144.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.98 ug/l

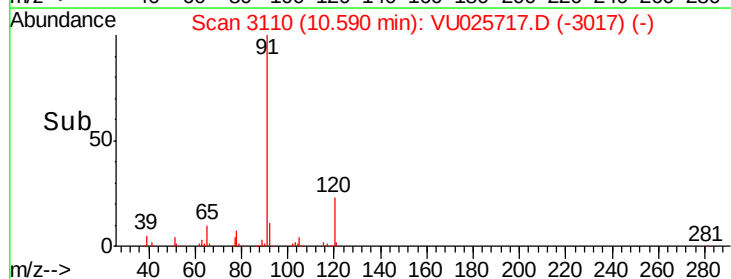
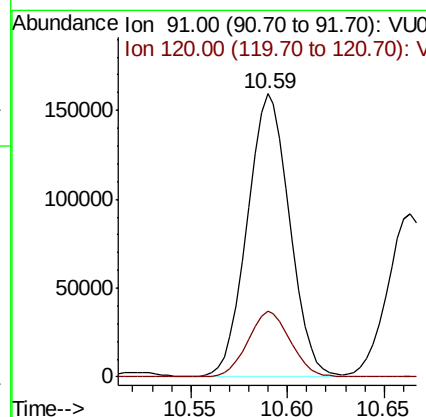
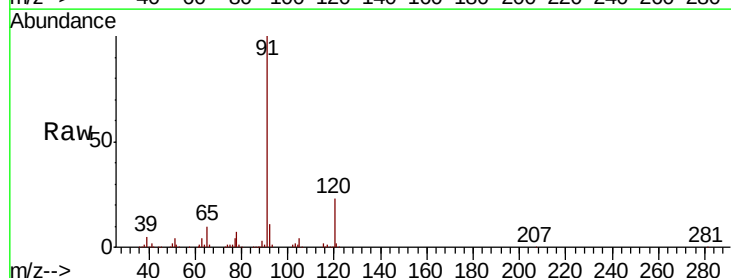
RT: 10.59 min Scan# 3110

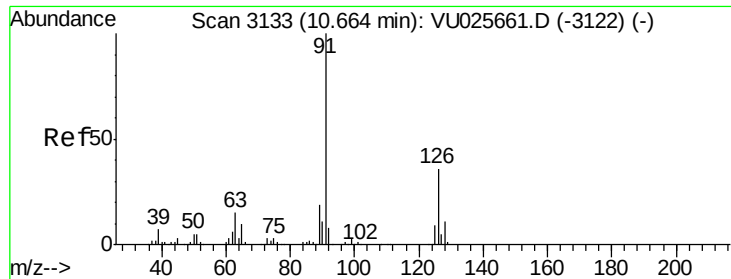
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.8	35.3	





#79

2-Chlorotoluene

Concen: 20.44 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion: 91 Resp: 144505

Ion Ratio Lower Upper

91 100

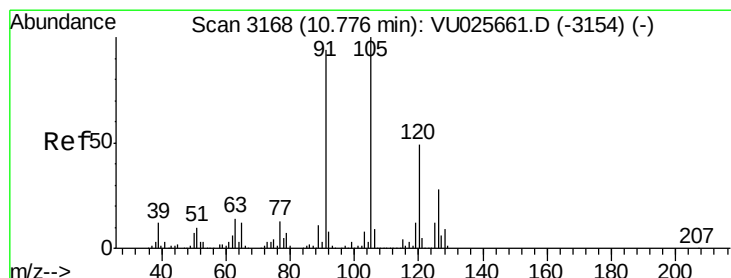
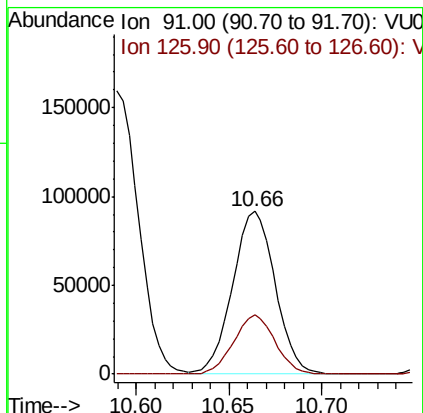
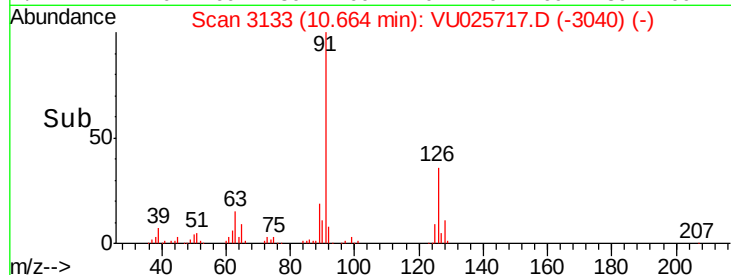
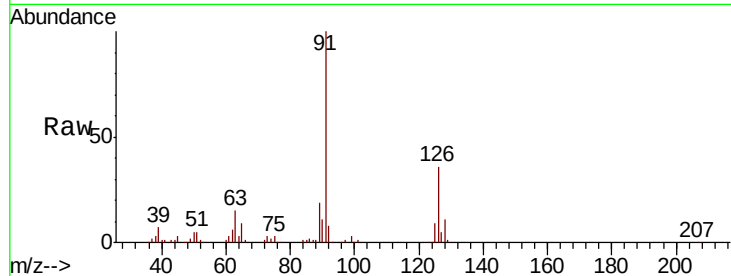
126 35.5 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.45 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025717.D

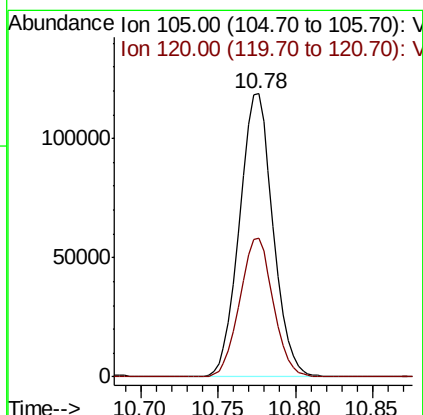
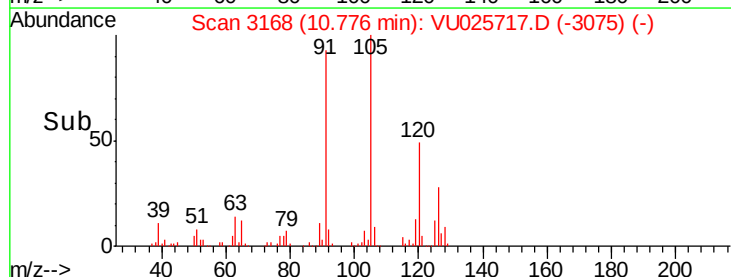
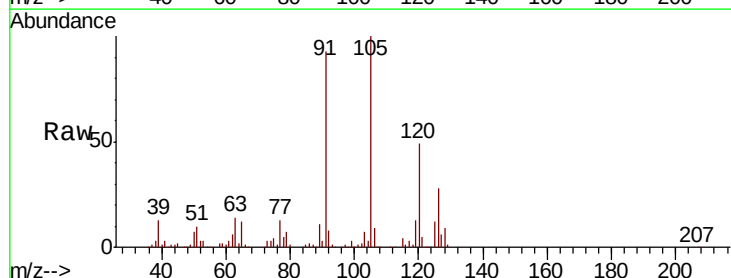
Acq: 30 Jul 2018 12:20

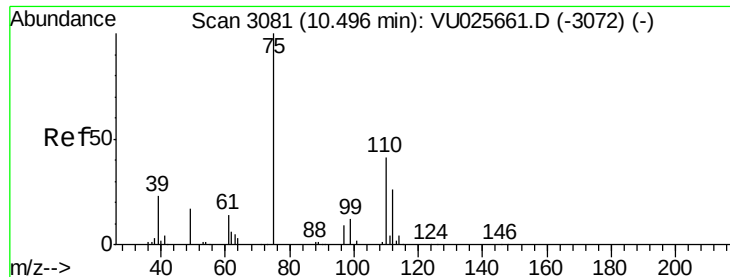
Tgt Ion: 105 Resp: 179552

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 37.75 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

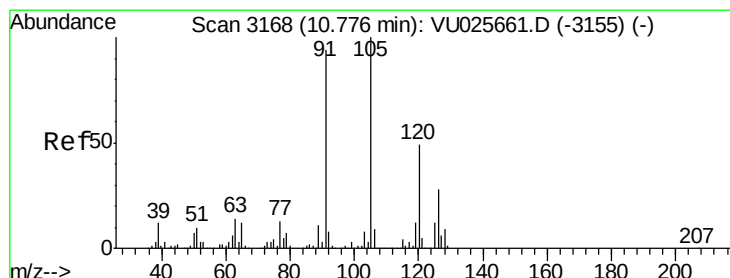
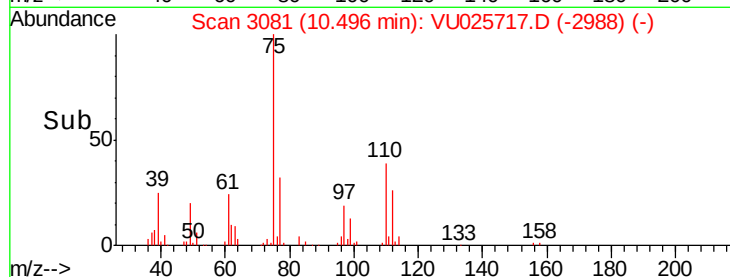
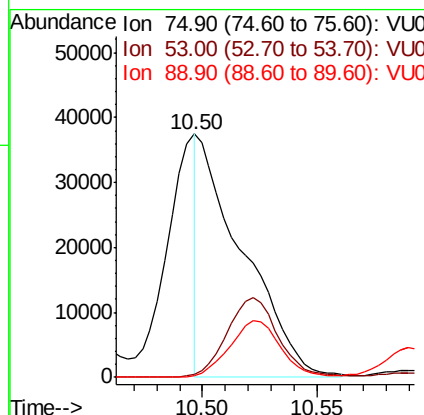
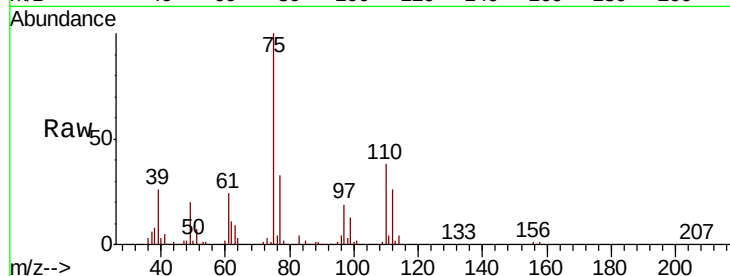
ClientSampleId :

VU0730WBSD01

Tot Ion:	75	Resp:	50257
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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#82

4-Chlorotoluene

Concen: 20.67 ug/l

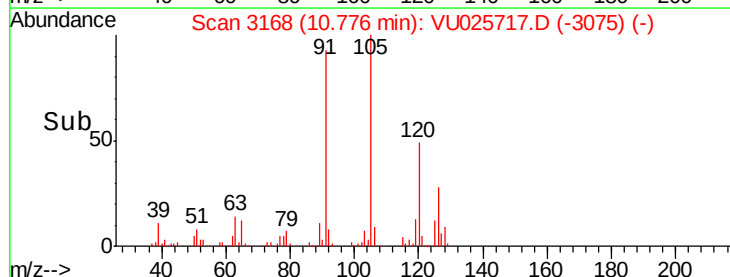
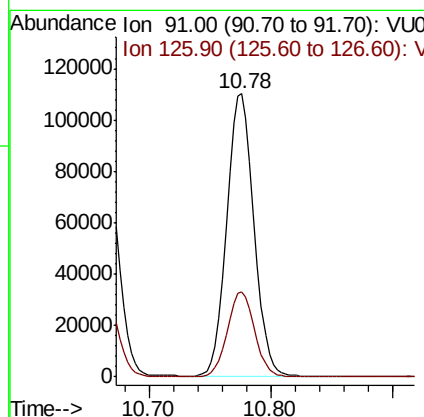
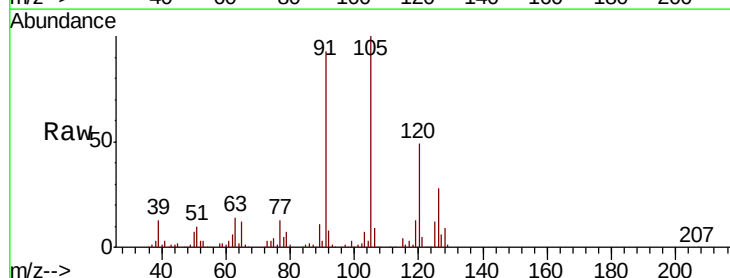
RT: 10.78 min Scan# 3168

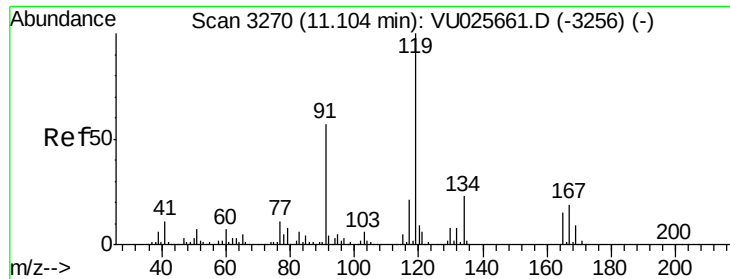
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion:	91	Resp:	172243
Ion Ratio	Lower	Upper	
91	100		
126	30.4	15.3	45.9





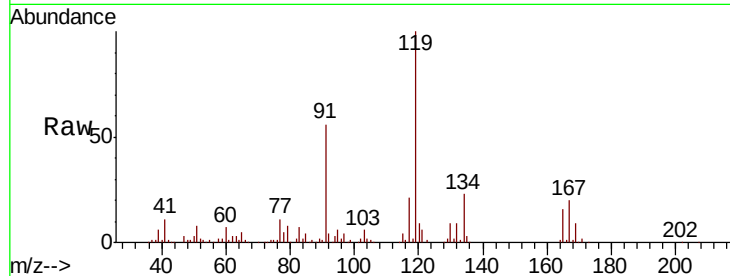
#83
 tert-Butylbenzene
 Concen: 20.06 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	175064		
91	56.9		29.7	89.1
134	23.3		11.5	34.5

Manual Integrations
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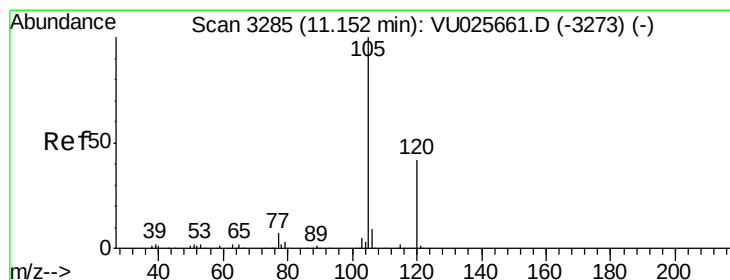
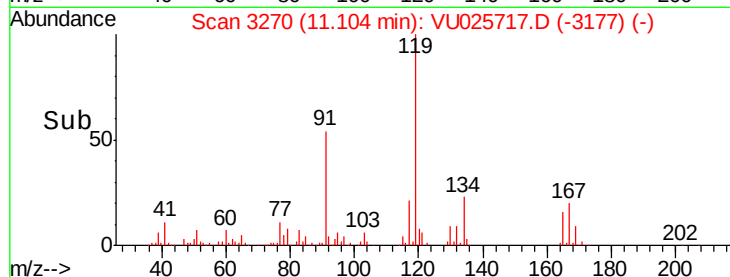
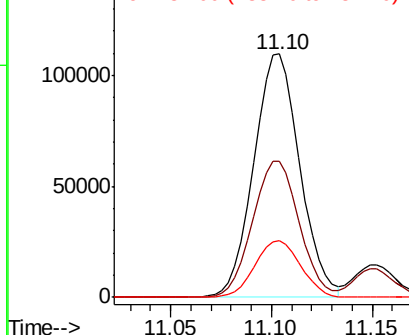


Abundance

Ion 119.00 (118.70 to 119.70): V

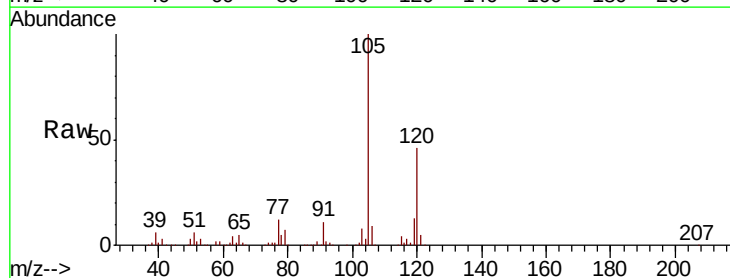
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.50 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

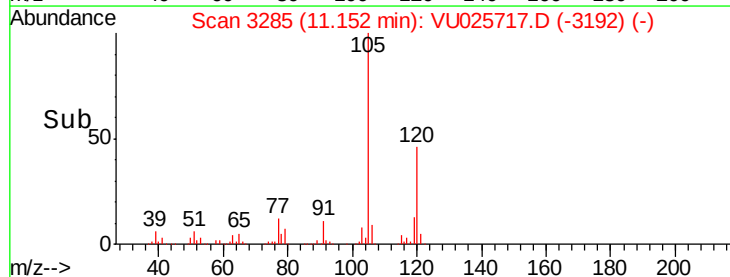
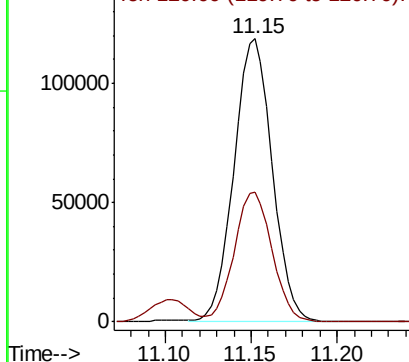
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182444		
120	45.6		22.3	66.8

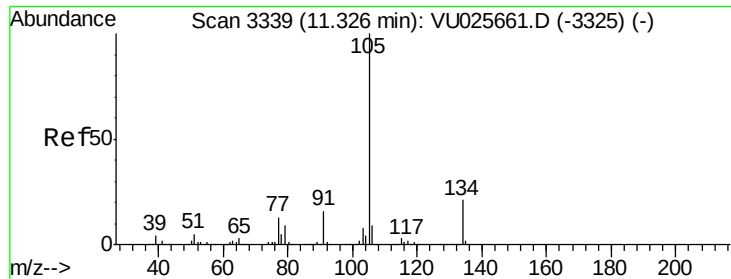


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.97 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion:105 Resp: 212743

Ion Ratio Lower Upper

105 100

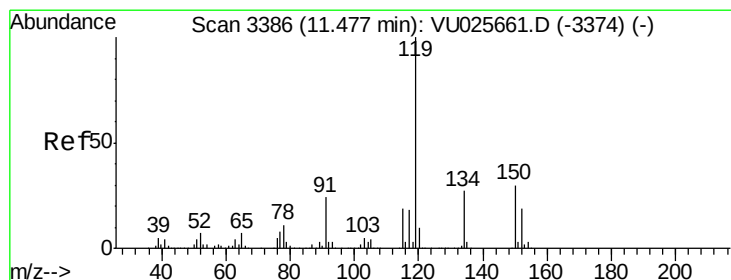
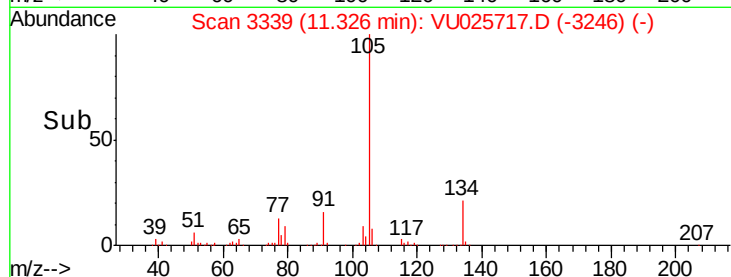
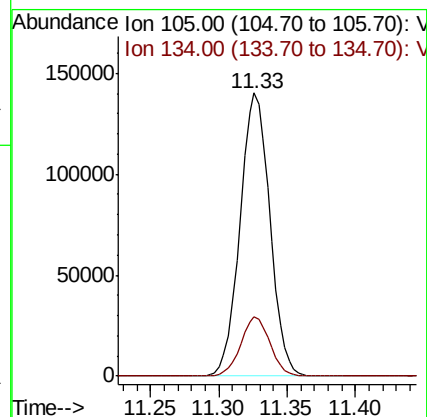
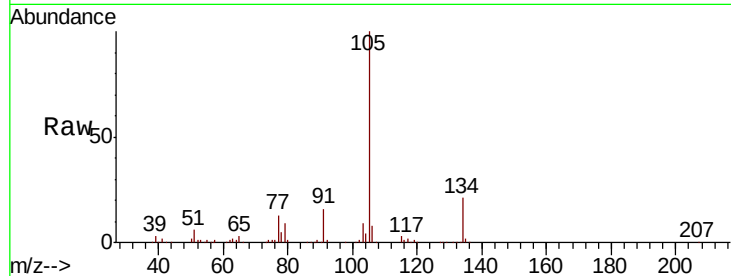
134 20.5 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.36 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

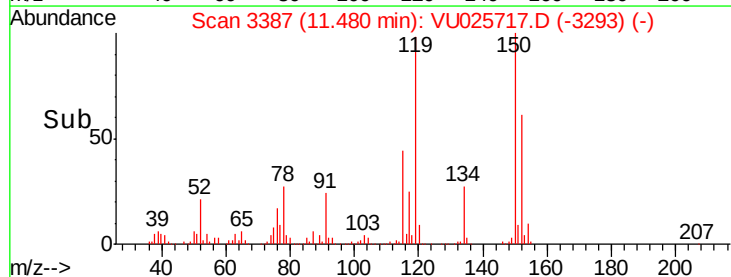
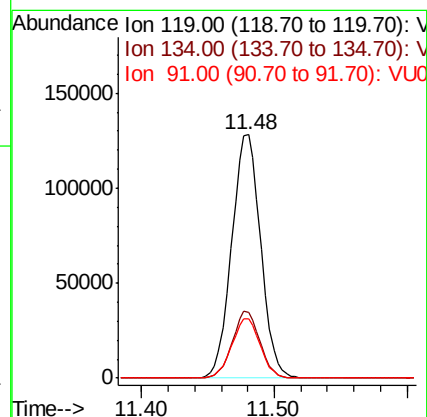
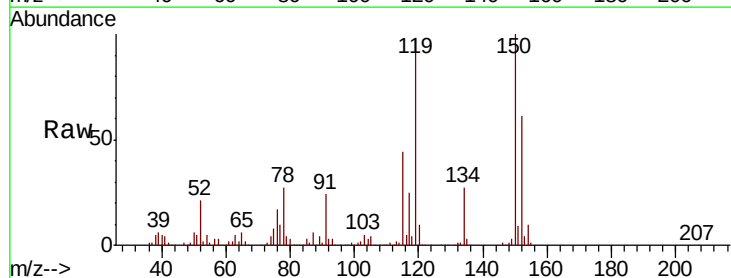
Tgt Ion:119 Resp: 194174

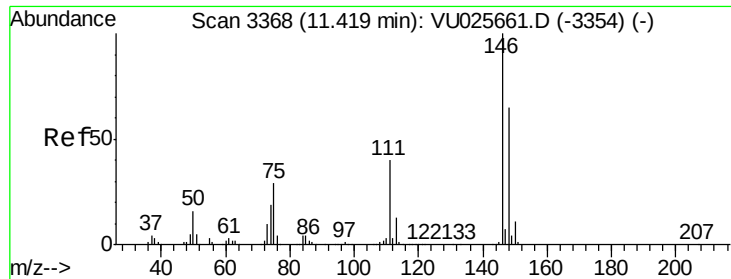
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 24.1 12.0 36.1





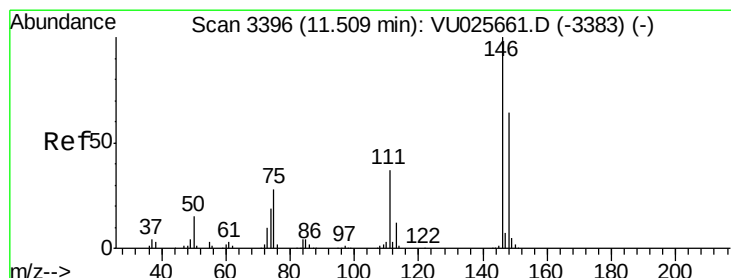
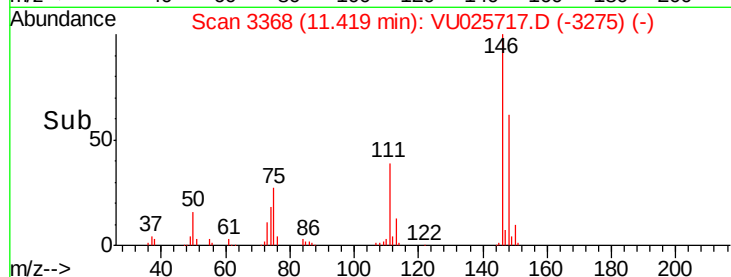
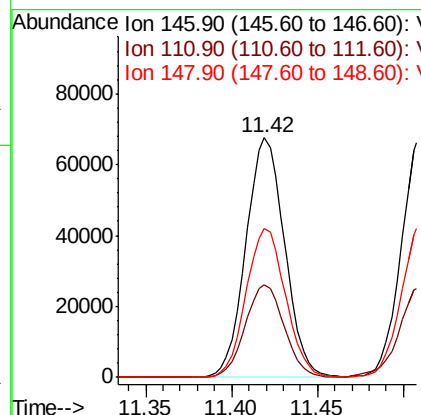
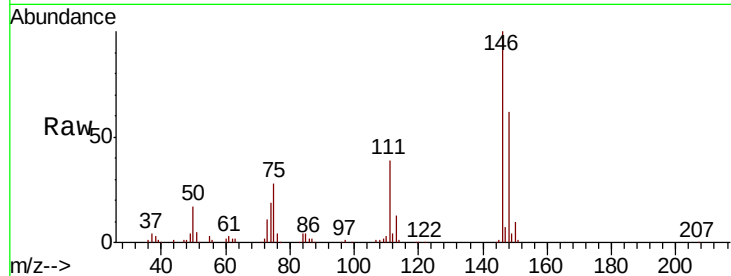
#87
 1,3-Dichlorobenzene
 Concen: 19.98 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	63.4	32.1	96.3

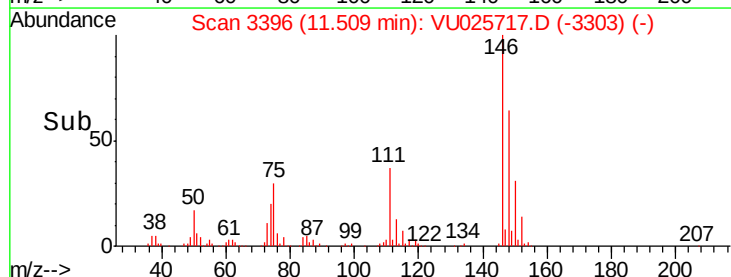
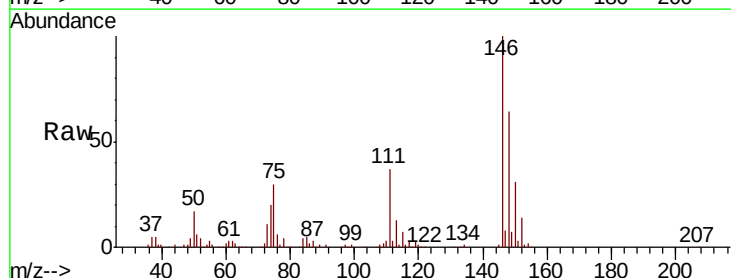
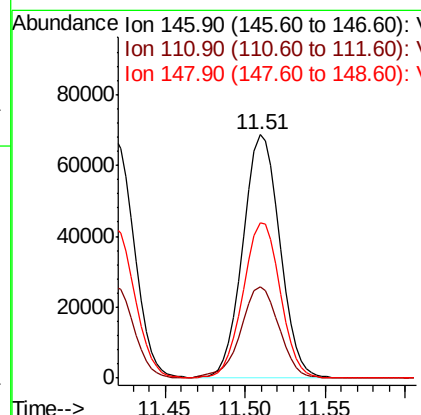
Manual Integrations
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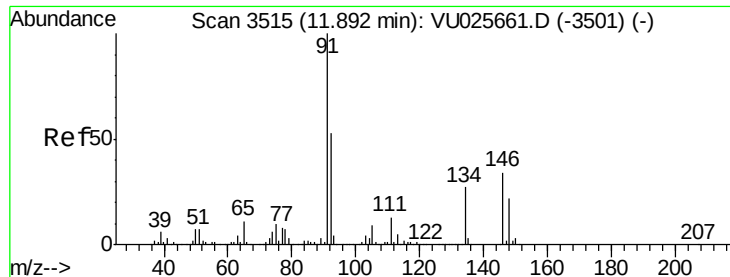
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#88
 1,4-Dichlorobenzene
 Concen: 19.59 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025717.D
 Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.4	31.7	95.1





#89

n-Butylbenzene

Concen: 19.72 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

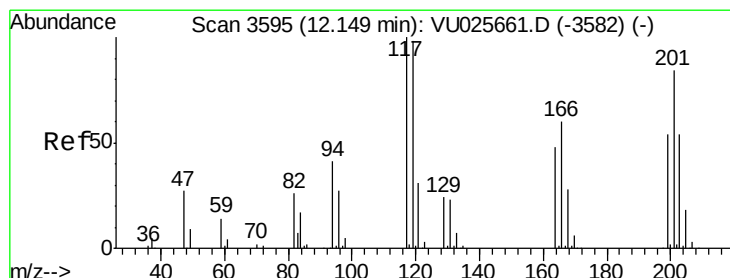
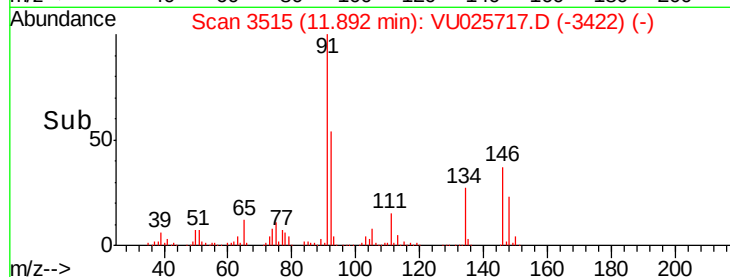
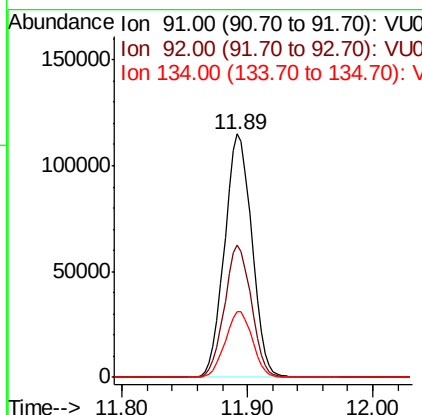
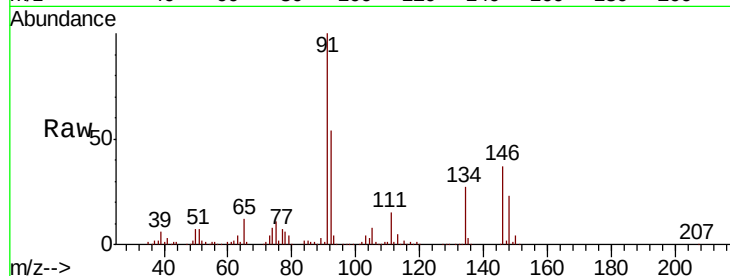
ClientSampleId :

VU0730WBSD01

Tot Ion:	91	Resp:	173567
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	26.8	13.6	40.7

Manual Integrations
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#90

Hexachloroethane

Concen: 18.95 ug/l

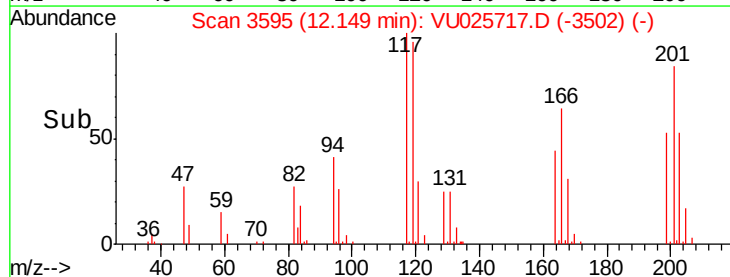
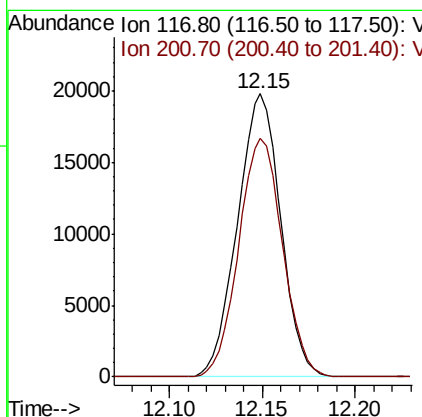
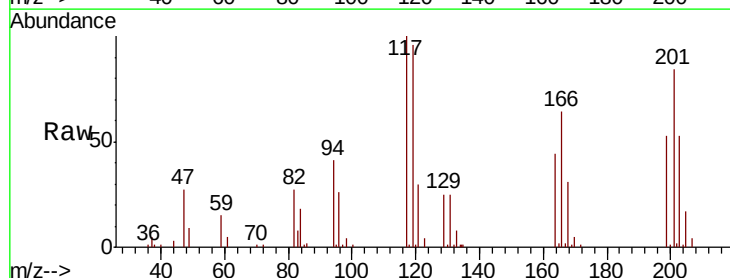
RT: 12.15 min Scan# 3595

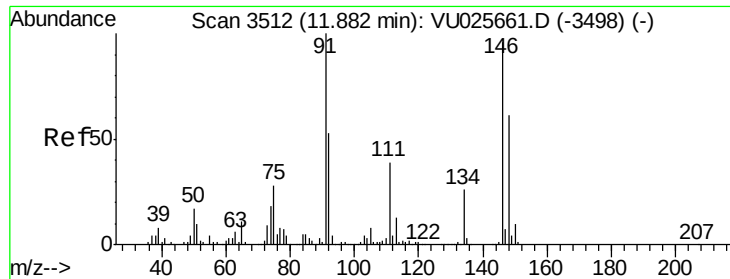
Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Tgt Ion:	117	Resp:	32137
Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 20.25 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBSD01

Tot Ion:146 Resp: 105080

Ion Ratio Lower Upper

146 100

111 40.4 20.6 61.8

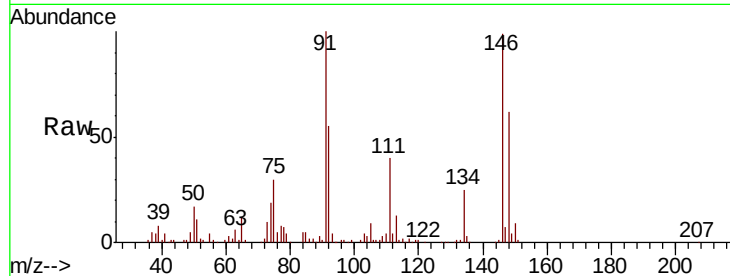
148 63.0 31.5 94.5

Manual Integrations

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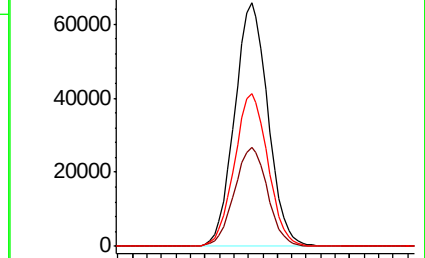
7/31/2018 1:23:26 PM



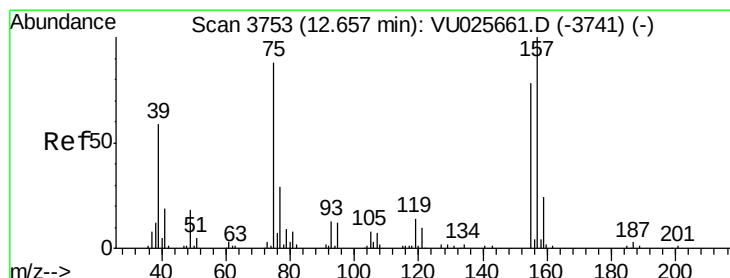
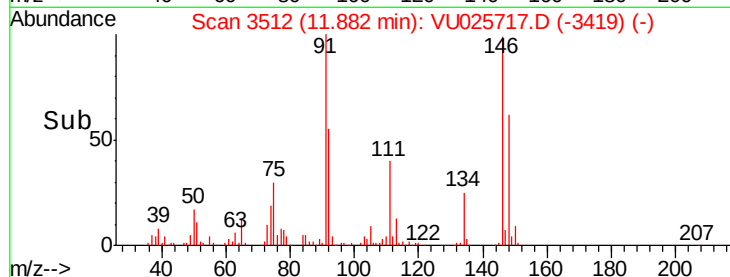
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.31 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025717.D

Acq: 30 Jul 2018 12:20

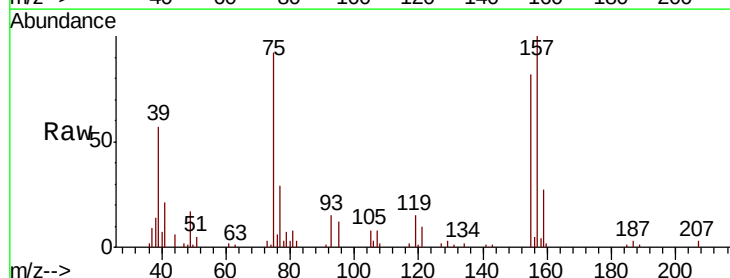
Tgt Ion: 75 Resp: 17217

Ion Ratio Lower Upper

75 100

155 87.7 44.5 133.3

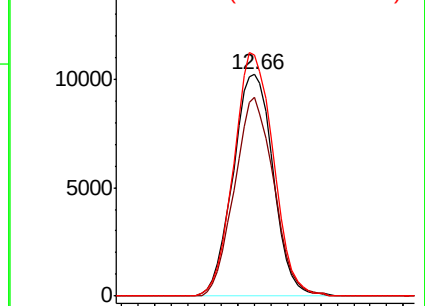
157 108.1 57.0 170.8



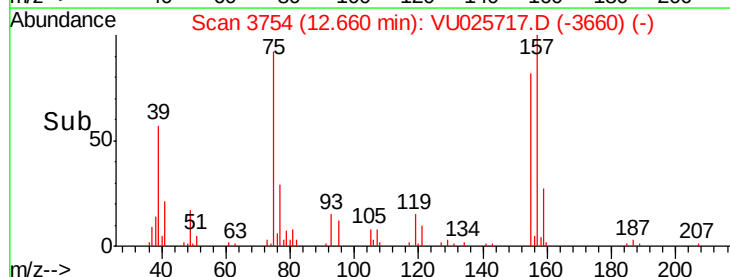
Abundance Ion 74.90 (74.60 to 75.60): VU0

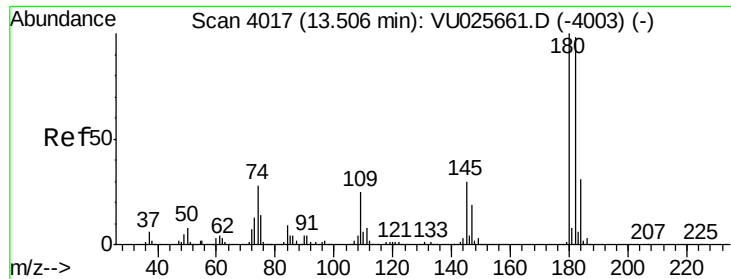
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->





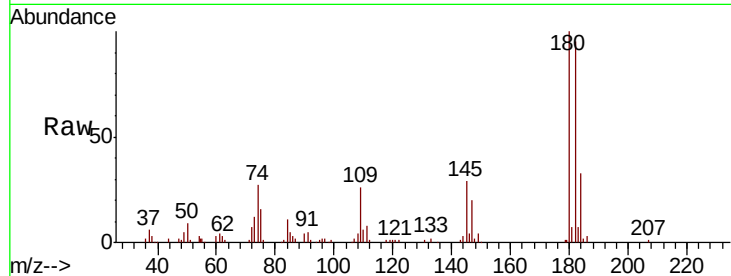
#93
1,2,4-Trichlorobenzene
Concen: 20.07 ug/l
RT: 13.51 min Scan# 4017
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	29.5	14.9	44.7

Manual Integrations
APPROVED

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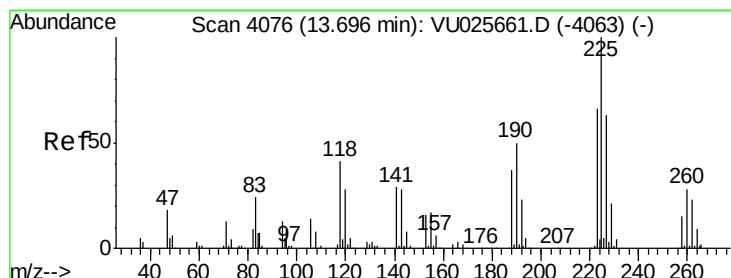
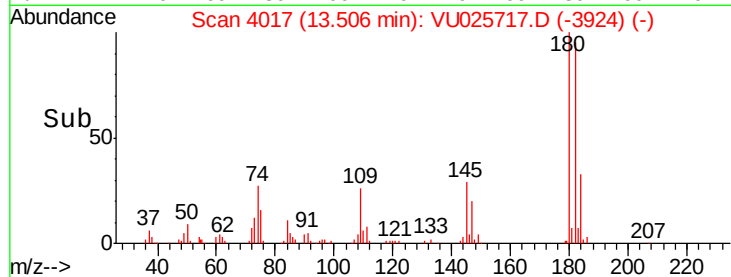
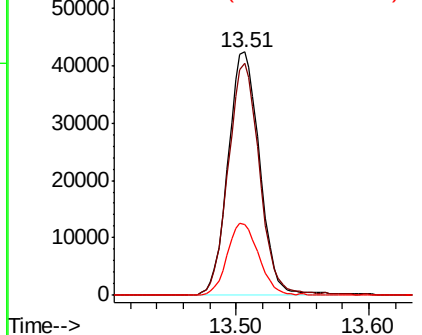


Abundance

Ion 179.80 (179.50 to 180.50): V

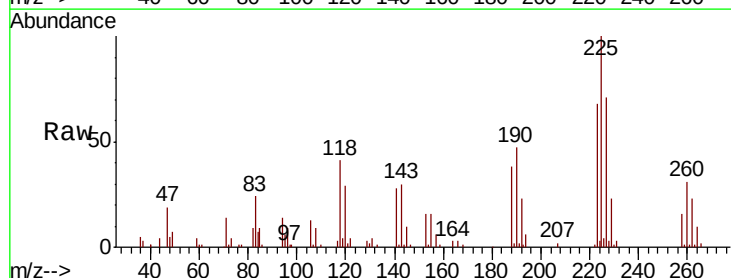
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.81 ug/l
RT: 13.70 min Scan# 4076
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	63.2	32.3	96.9

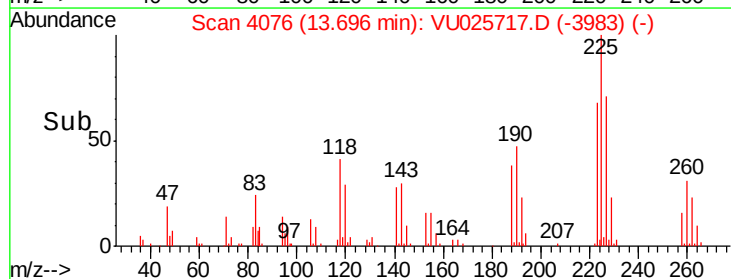
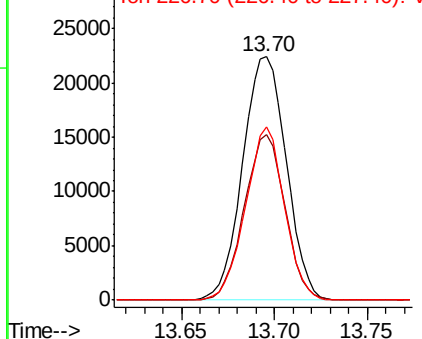


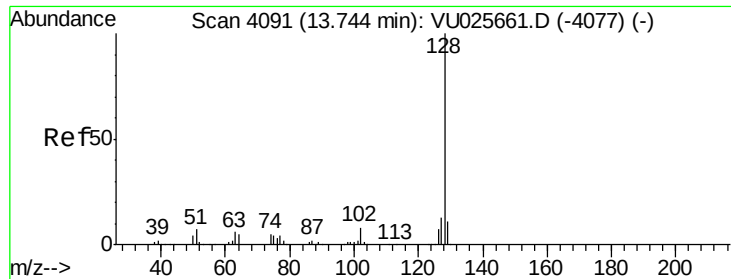
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





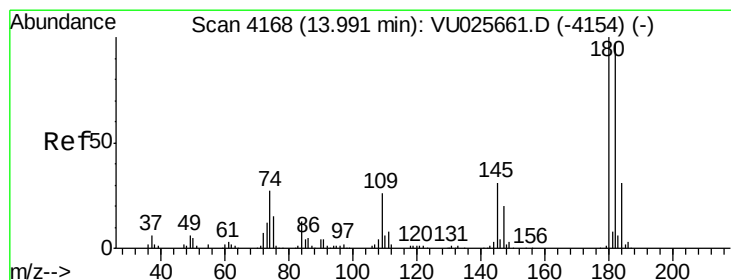
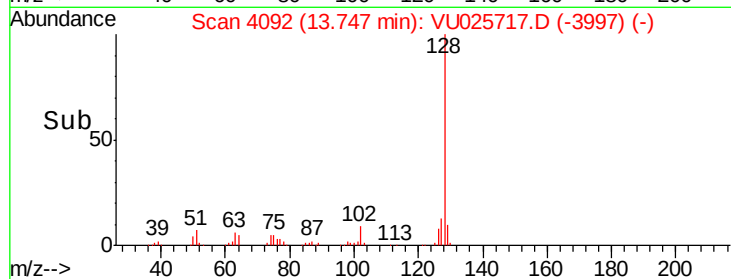
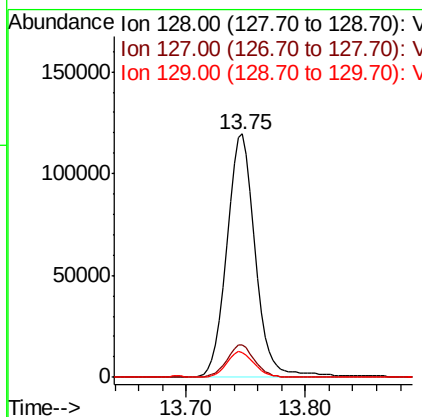
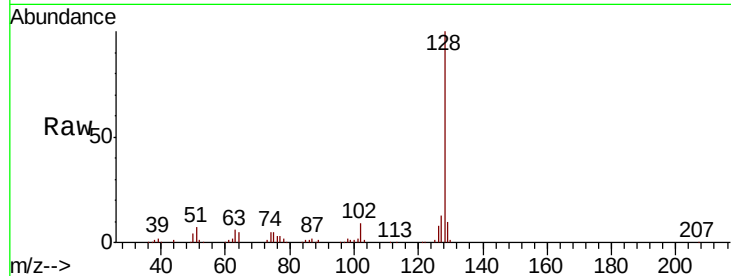
#95
Naphthalene
Concen: 18.43 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.1	8.3	12.5

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.26 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025717.D
Acq: 30 Jul 2018 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.3
145	31.4	15.6	46.8

