

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070918\
 Data File : VU025278.D
 Acq On : 09 Jul 2018 17:01
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:50 PM

Quant Time: Jul 10 09:31:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	259142	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	230070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	110544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	2016	1.11	ug/l	97
3) Chloromethane	1.33	50	3222	1.57	ug/l	99
4) Vinyl Chloride	1.40	62	2443	1.23	ug/l	91
5) Bromomethane	1.63	94	2779	1.91	ug/l	97
6) Chloroethane	1.70	64	1796	1.29	ug/l #	86
7) Trichlorofluoromethane	1.89	101	3574	1.14	ug/l	98
8) Diethyl Ether	2.10	74	1339	1.14	ug/l #	46
9) 1,1,2-Trichlorotrifluoroet	2.29	101	2187	1.13	ug/l	94
12) 1,1-Dichloroethene	2.29	96	2020	1.14	ug/l	96
14) Allyl chloride	2.60	41	3486	1.08	ug/l	98
15) Acrylonitrile	2.94	53	7189	5.89	ug/l	97
16) Acetone	2.32	43	9380	6.39	ug/l	98
17) Carbon Disulfide	2.48	76	7822	1.42	ug/l	95
18) Methyl Acetate	2.62	43	3375	1.21	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	7627	1.13	ug/l	96
20) Methylene Chloride	2.70	84	3920	1.62	ug/l	91
21) trans-1,2-Dichloroethene	2.99	96	2518	1.24	ug/l	95
22) Diisopropyl ether	3.58	45	7535	1.15	ug/l #	86
23) Vinyl Acetate	3.53	43	31040	5.38	ug/l	98
24) 1,1-Dichloroethane	3.45	63	3852	1.04	ug/l #	95
25) 2-Butanone	4.27	43	10814	5.74	ug/l	91
26) 2,2-Dichloropropane	4.23	77	4146	1.16	ug/l #	74
27) cis-1,2-Dichloroethene	4.23	96	2899	1.24	ug/l	97
28) Bromochloromethane	4.55	49	1863	1.04	ug/l #	90
29) Tetrahydrofuran	4.65	42	6722	5.95	ug/l	98
30) Chloroform	4.68	83	4329	1.10	ug/l	91
31) Cyclohexane	4.99	56	7412	1.80	ug/l #	64
32) 1,1,1-Trichloroethane	4.92	97	3964	1.11	ug/l #	51
36) 1,1-Dichloropropene	5.15	75	3216	1.12	ug/l #	79
37) Ethyl Acetate	4.39	43	3428	1.07	ug/l #	90
38) Carbon Tetrachloride	5.14	117	3157	1.02	ug/l	96
39) Methylcyclohexane	6.42	83	3925	1.09	ug/l	95
40) Benzene	5.39	78	9338	1.12	ug/l #	87
41) Methacrylonitrile	4.56	41	1925	1.08	ug/l #	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.41	62	3588m	1.09	ug/l	
43) Isopropyl Acetate	5.55	43	5594	1.09	ug/l #	94
44) Trichloroethene	6.19	130	2965	1.24	ug/l	91
45) 1,2-Dichloropropane	6.44	63	2445	1.12	ug/l #	73
46) Dibromomethane	6.57	93	1892	1.20	ug/l	83
47) Bromodichloromethane	6.76	83	3062	1.04	ug/l	91
48) Methyl methacrylate	6.63	41	2618	1.02	ug/l	91
49) 1,4-Dioxane	6.62	88	1089	17.64	ug/l #	81
51) 4-Methyl-2-Pentanone	7.46	43	18360	5.49	ug/l	100
52) Toluene	7.64	92	5771	1.09	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	3210	0.99	ug/l	93
54) cis-1,3-Dichloropropene	7.28	75	3534	1.03	ug/l	91
55) 1,1,2-Trichloroethane	8.08	97	2592	1.18	ug/l #	81
56) Ethyl methacrylate	8.02	69	3639	1.06	ug/l	97
57) 1,3-Dichloropropane	8.25	76	3897	1.07	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.14	63	5749	4.74	ug/l	96
59) 2-Hexanone	8.37	43	14835	5.47	ug/l	94
60) Dibromochloromethane	8.48	129	2247	0.95	ug/l	92
61) 1,2-Dibromoethane	8.59	107	2491	1.06	ug/l	96
64) Tetrachloroethene	8.23	164	2294	1.09	ug/l	92
65) Chlorobenzene	9.12	112	6506	1.13	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.21	131	2092	1.02	ug/l #	67
67) Ethyl Benzene	9.25	91	10891	1.11	ug/l #	85
68) m/p-Xylenes	9.38	106	7747	2.05	ug/l	95
69) o-Xylene	9.78	106	4261	1.12	ug/l	97
70) Styrene	9.80	104	6231	1.03	ug/l	96
71) Bromoform	9.97	173	1750	0.98	ug/l #	85
73) Isopropylbenzene	10.17	105	10704	1.27	ug/l	96
74) N-amyl acetate	10.02	43	4834	1.32	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	3398	1.23	ug/l	96
76) 1,2,3-Trichloropropane	10.50	75	3531m	1.42	ug/l	
77) Bromobenzene	10.46	156	2667	1.23	ug/l	88
78) n-propylbenzene	10.59	91	10761	1.15	ug/l	98
79) 2-Chlorotoluene	10.67	91	7760	1.32	ug/l	93
80) 1,3,5-Trimethylbenzene	10.78	105	8312	1.17	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.52	75	937m	1.03	ug/l	
82) 4-Chlorotoluene	10.78	91	8301	1.25	ug/l	97
83) tert-Butylbenzene	11.10	119	8931	1.24	ug/l	96
84) 1,2,4-Trimethylbenzene	11.16	105	8862	1.22	ug/l	98
85) sec-Butylbenzene	11.33	105	9418	1.11	ug/l	98
86) p-Isopropyltoluene	11.48	119	8289	1.11	ug/l	95
87) 1,3-Dichlorobenzene	11.43	146	4786	1.21	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	5274m	1.30	ug/l	
89) n-Butylbenzene	11.90	91	6416	1.04	ug/l	97
90) Hexachloroethane	12.15	117	1366	1.08	ug/l	89
91) 1,2-Dichlorobenzene	11.89	146	4708	1.18	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	710	1.06	ug/l	86
93) 1,2,4-Trichlorobenzene	13.51	180	3443	1.32	ug/l	97
94) Hexachlorobutadiene	13.70	225	1605	1.13	ug/l	95
95) Naphthalene	13.75	128	16621	1.85	ug/l	97

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ClientSampleId :
VSTDICC001

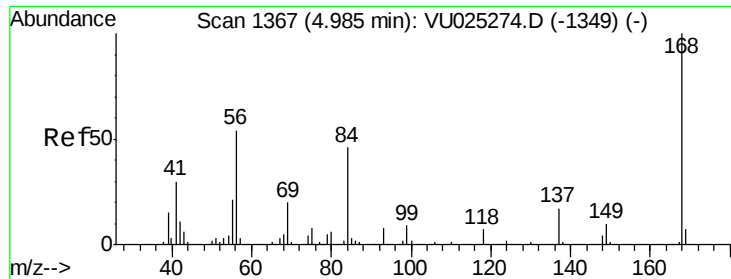
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.00	180	4244	1.51	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 175029

Ion Ratio Lower Upper

168 100

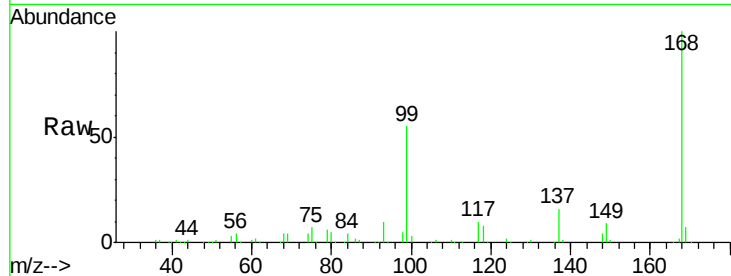
99 55.1 42.8 64.2

Manual Integrations

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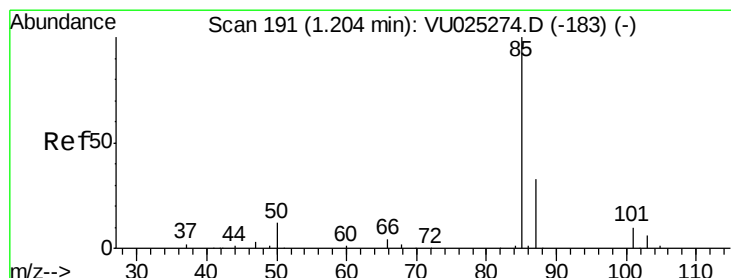
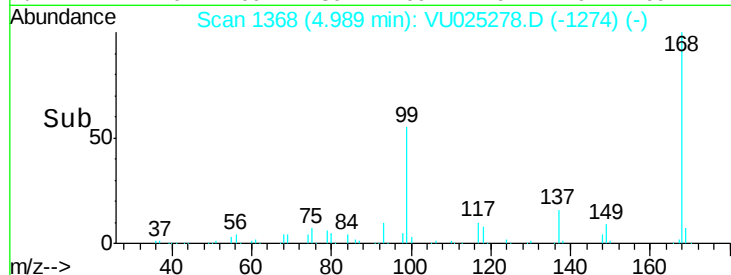
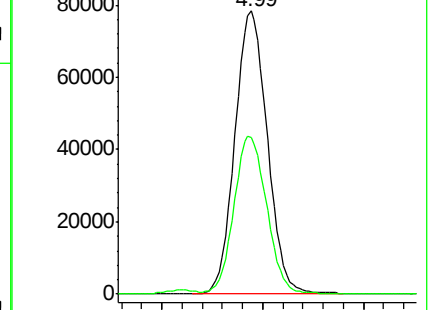
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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

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



#2

Dichlorodifluoromethane

Concen: 1.11 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025278.D

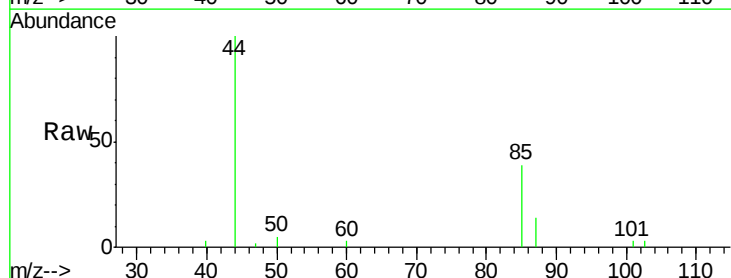
Acq: 09 Jul 2018 17:01

Tgt Ion: 85 Resp: 2016

Ion Ratio Lower Upper

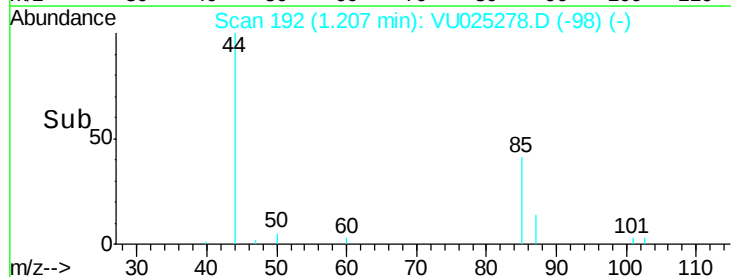
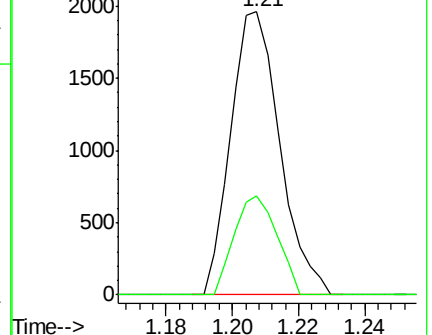
85 100

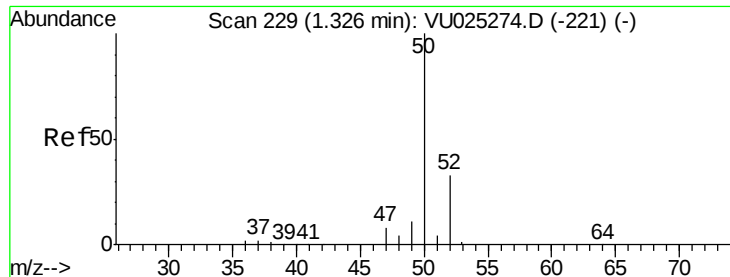
87 34.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025278.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025278.D (-98) (-)





#3

Chloromethane

Concen: 1.57 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3222

Ion Ratio Lower Upper

50 100

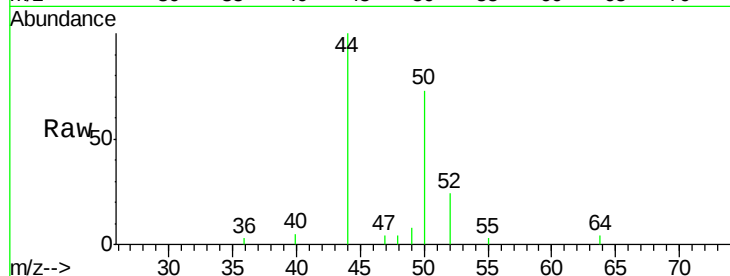
52 32.7 26.5 39.7

Manual Integrations

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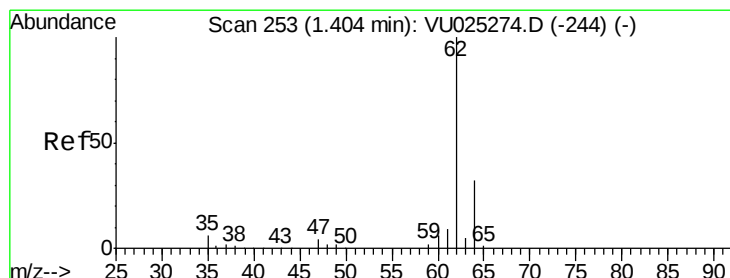
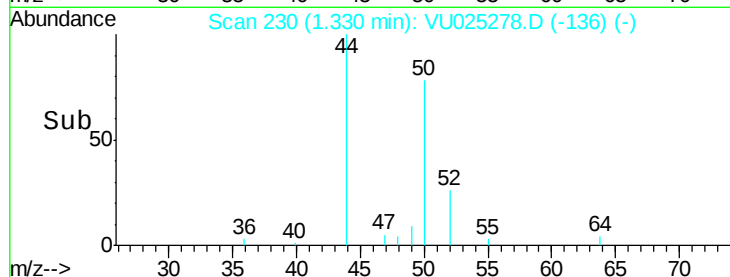
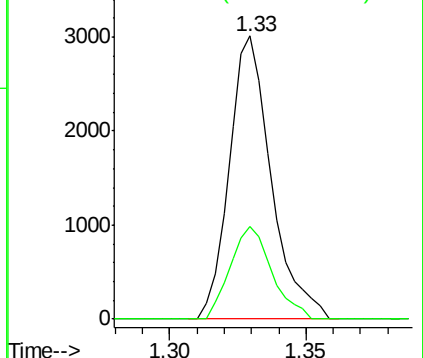
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 1.23 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025278.D

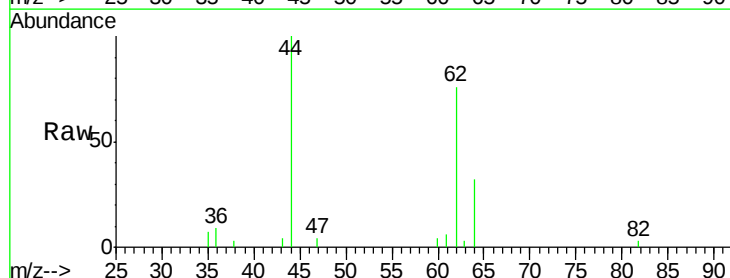
Acq: 09 Jul 2018 17:01

Tgt Ion: 62 Resp: 2443

Ion Ratio Lower Upper

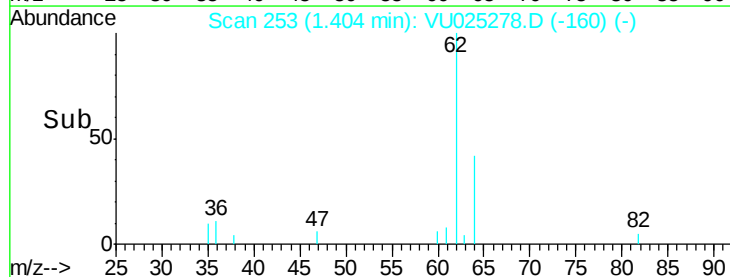
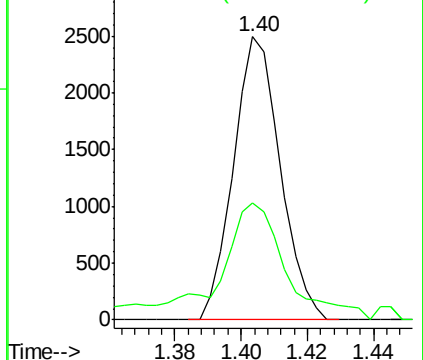
62 100

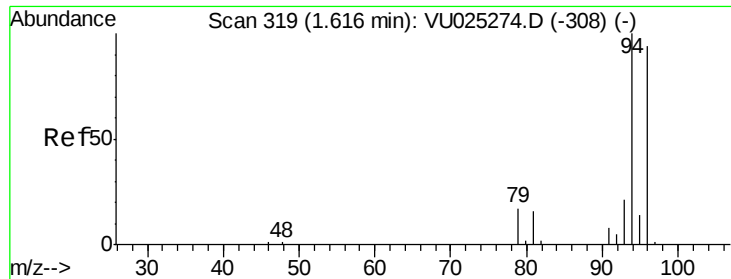
64 36.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 1.91 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 2779

Ion Ratio Lower Upper

94 100

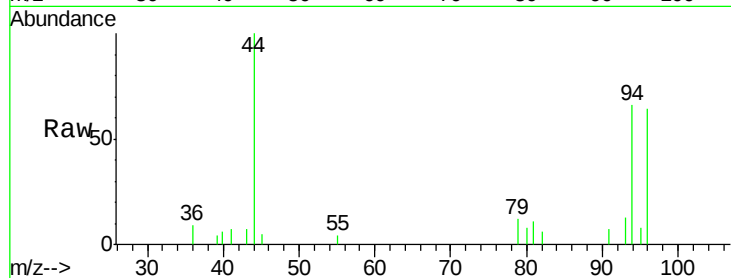
96 96.4 75.0 112.4

Manual Integrations

APPROVED

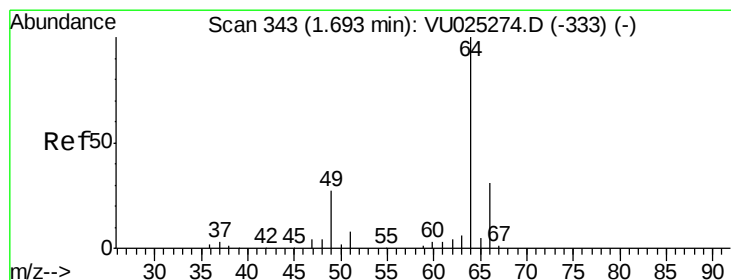
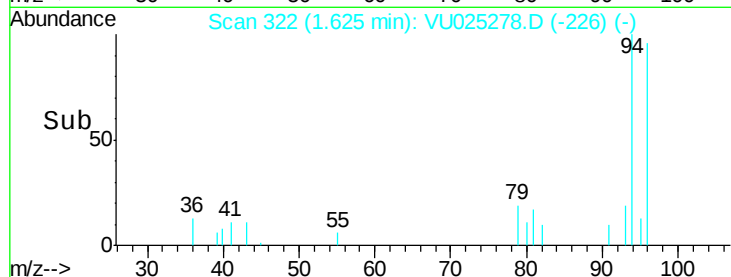
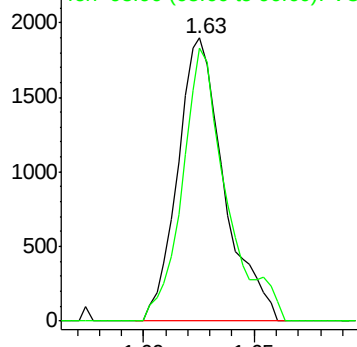
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.29 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025278.D

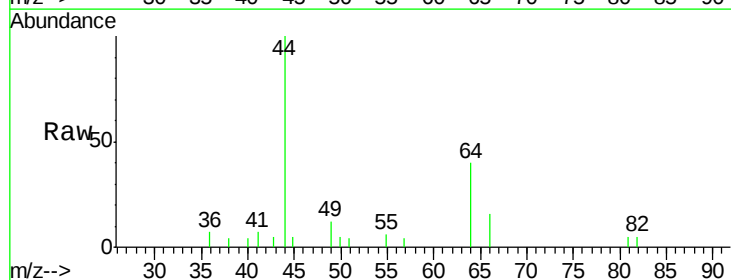
Acq: 09 Jul 2018 17:01

Tgt Ion: 64 Resp: 1796

Ion Ratio Lower Upper

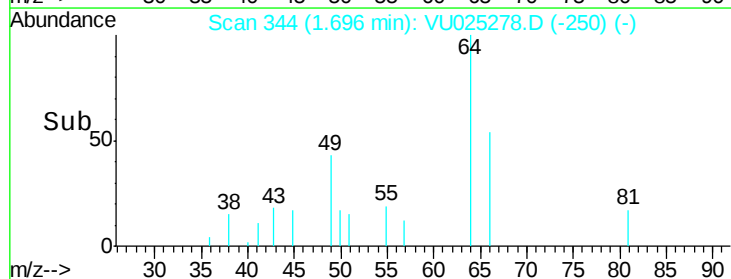
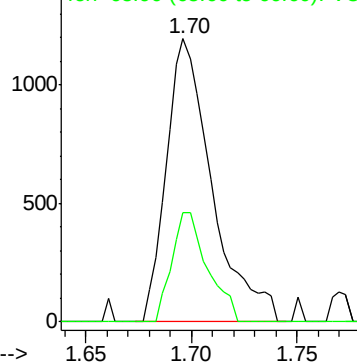
64 100

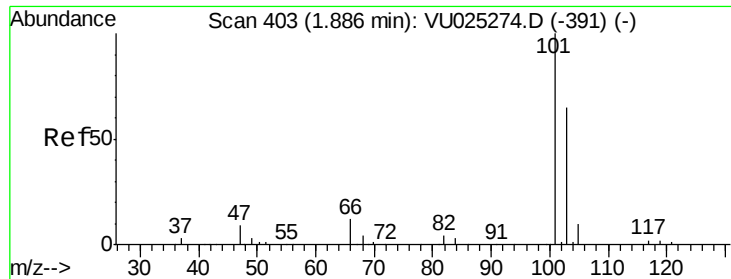
66 38.7 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 1.14 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 3574

Ion Ratio Lower Upper

101 100

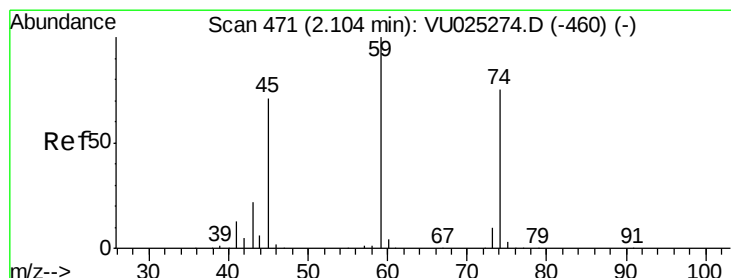
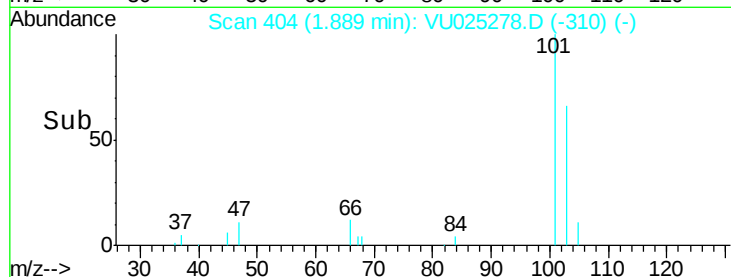
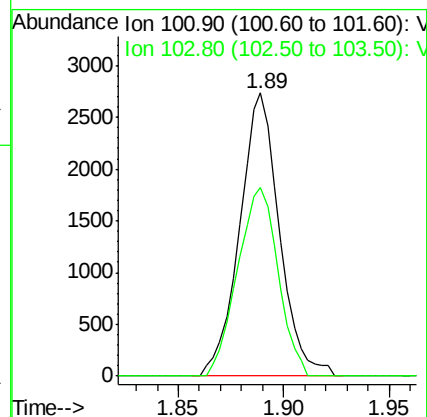
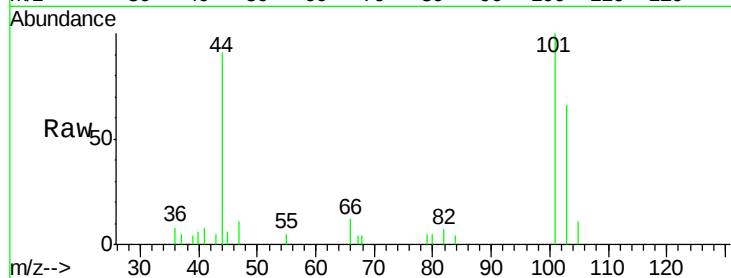
103 66.5 52.2 78.2

Manual Integrations

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#8

Diethyl Ether

Concen: 1.14 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025278.D

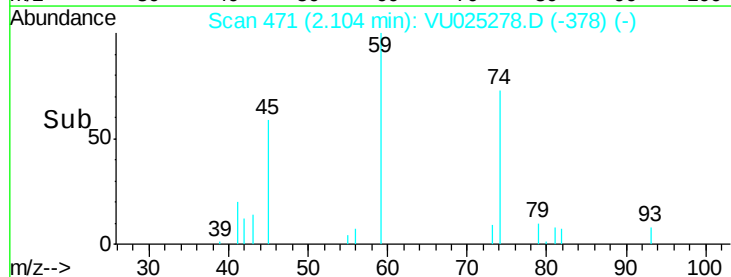
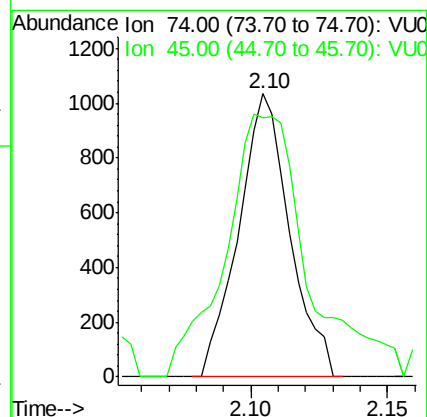
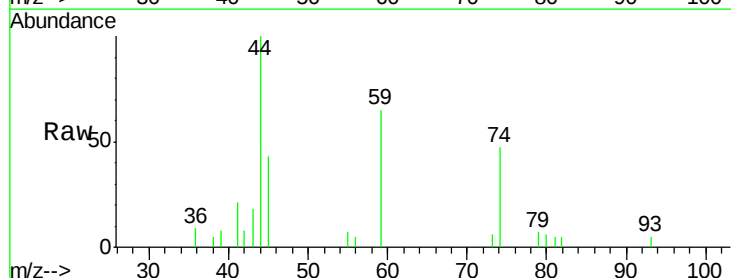
Acq: 09 Jul 2018 17:01

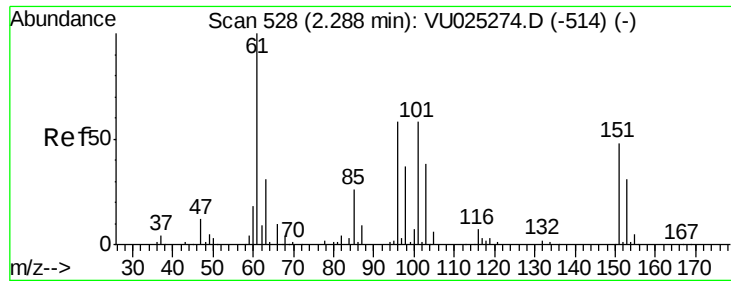
Tgt Ion: 74 Resp: 1339

Ion Ratio Lower Upper

74 100

45 149.8 48.3 144.9#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.13 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

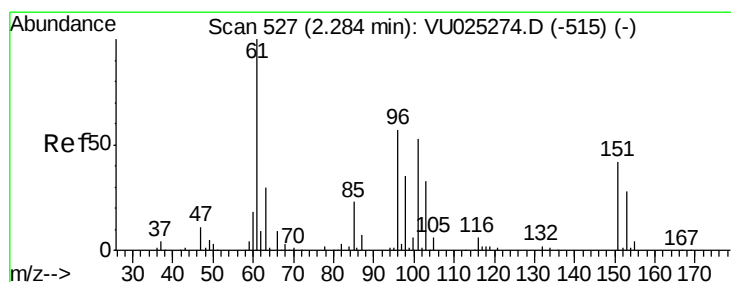
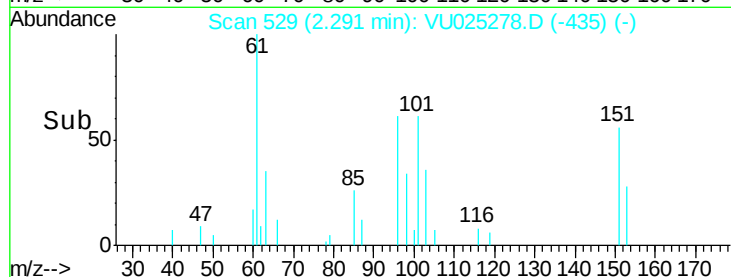
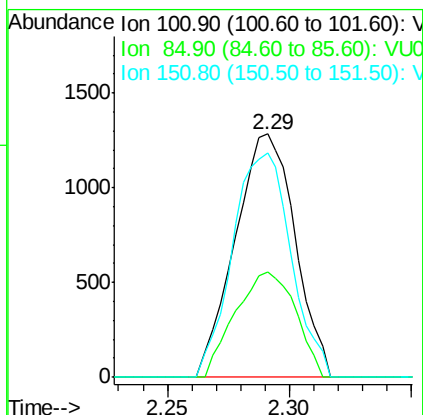
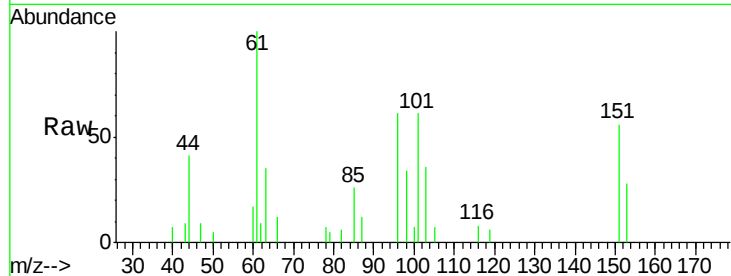
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	2187
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.0	54.0
151	89.9	65.6	98.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.14 ug/l

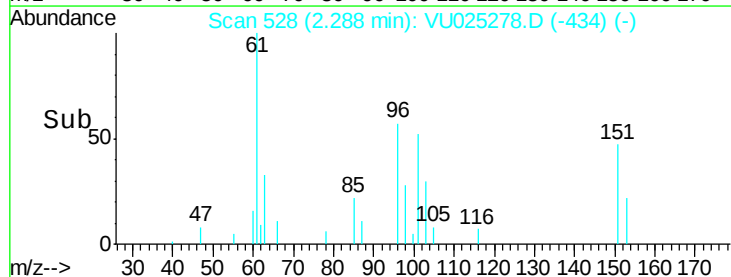
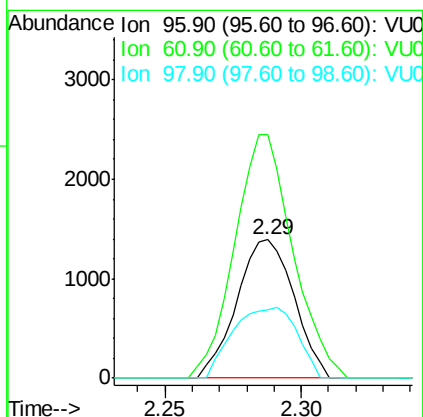
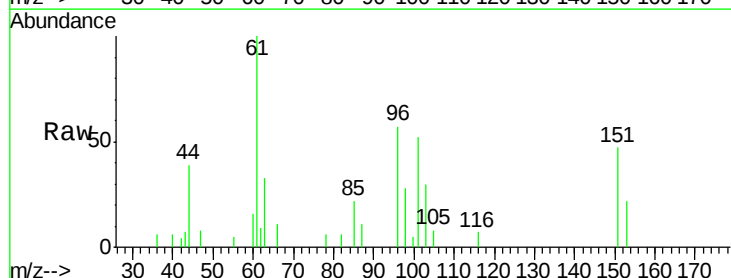
RT: 2.29 min Scan# 528

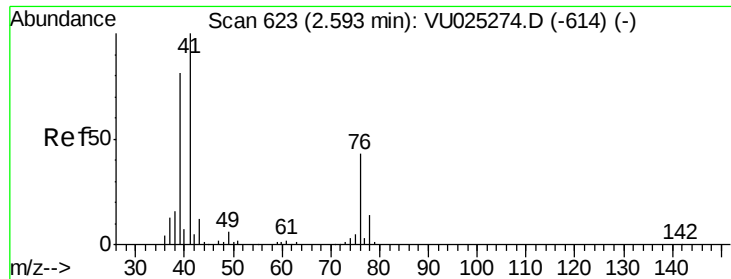
Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Tgt Ion:	96	Resp:	2020
Ion Ratio	Lower	Upper	
96	100		
61	176.1	140.2	210.4
98	49.7	49.3	73.9





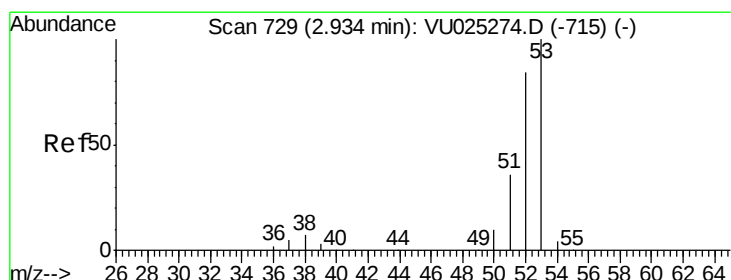
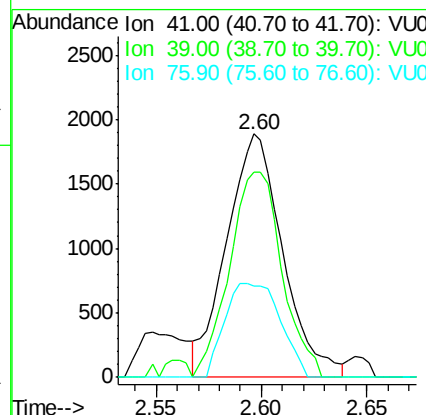
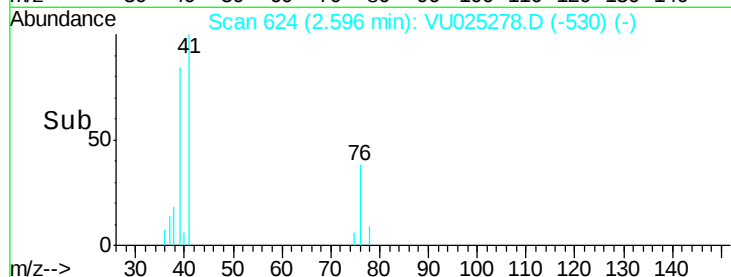
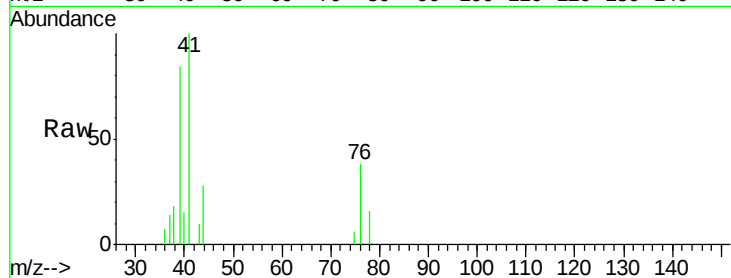
#14
Allvl chloride
Concen: 1.08 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	3486
Ion	Ratio	Lower	Upper
41	100		
39	78.7	60.6	91.0
76	38.0	30.5	45.7

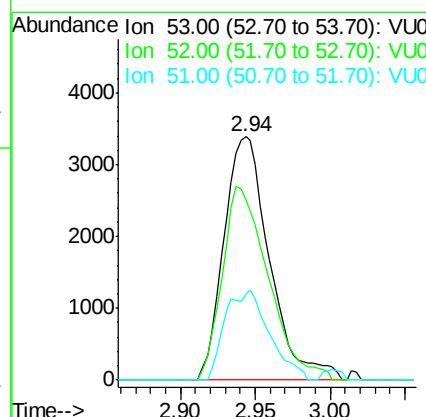
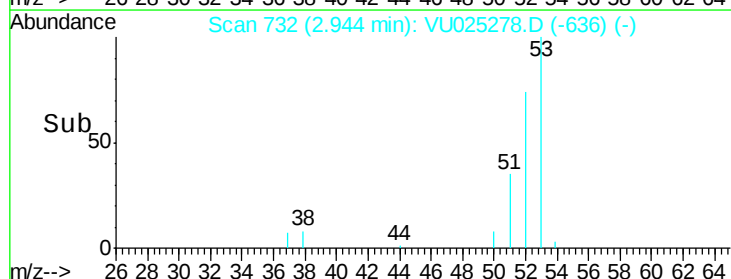
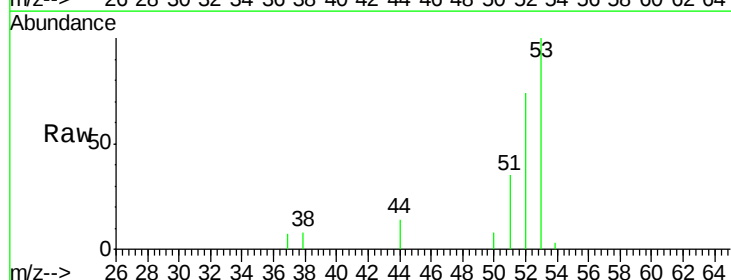
Manual Integrations
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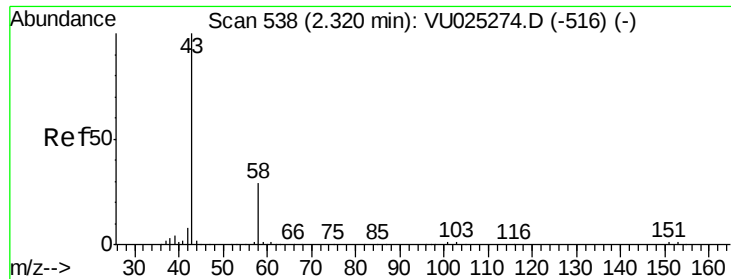
MMDadoda
7/10/2018 2:33:50 PM



#15
Acrylonitrile
Concen: 5.89 ug/l
RT: 2.94 min Scan# 732
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion:	53	Resp:	7189
Ion	Ratio	Lower	Upper
53	100		
52	80.2	66.6	99.8
51	35.7	29.4	44.2





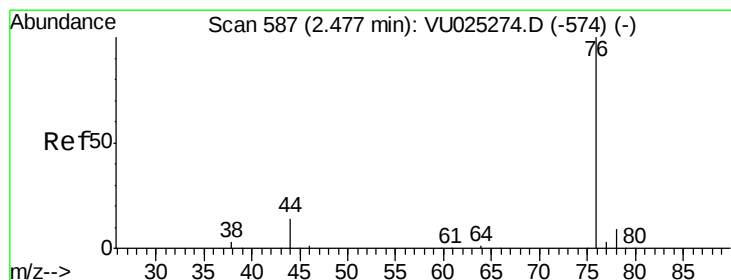
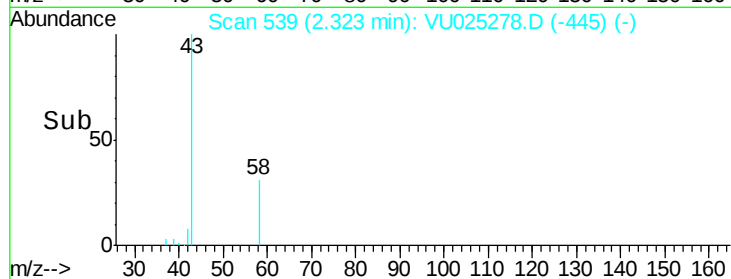
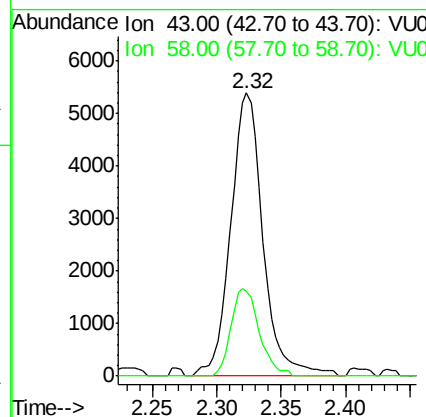
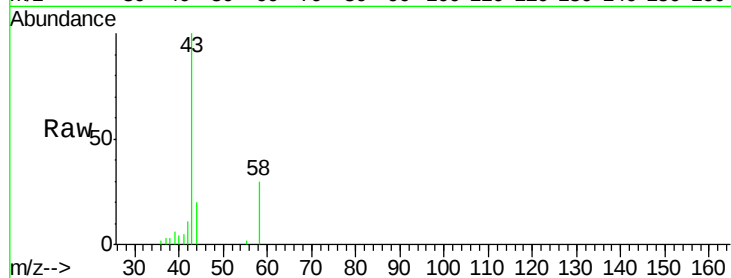
#16
Acetone
Concen: 6.39 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 9380
Ion Ratio Lower Upper
43 100
58 30.1 23.1 34.7

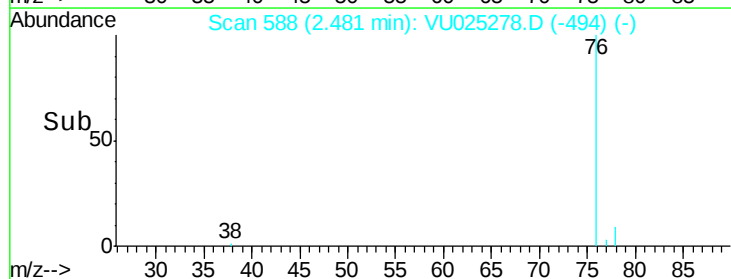
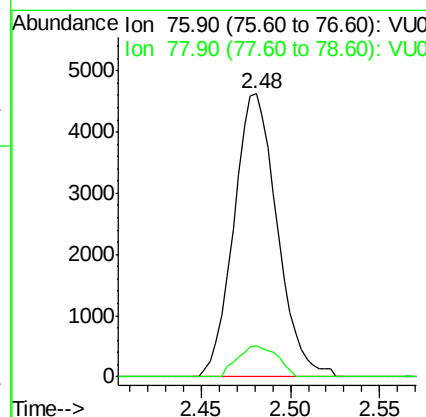
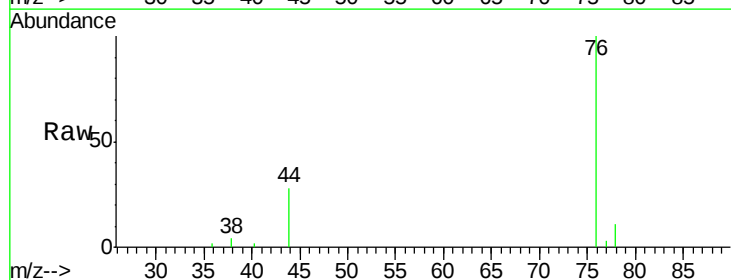
Manual Integrations
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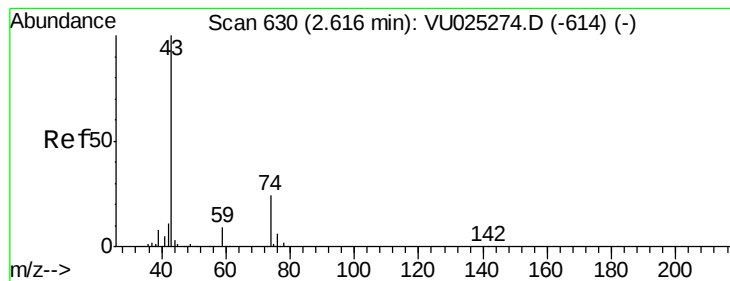
MMDadoda
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#17
Carbon Disulfide
Concen: 1.42 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion: 76 Resp: 7822
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.2





#18

Methyl Acetate

Concen: 1.21 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Tot Ion: 43 Resp: 3375

Ion Ratio Lower Upper

43 100

74 21.2 18.5 27.7

Instrument :

MSVOA_U

ClientSampleId :

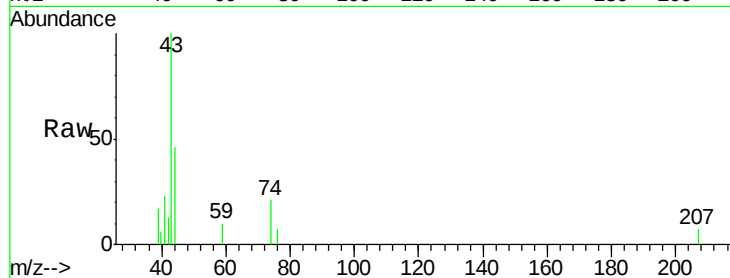
VSTDIC001

Manual Integrations

APPROVED

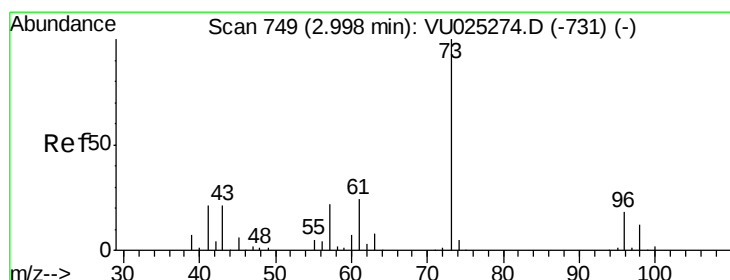
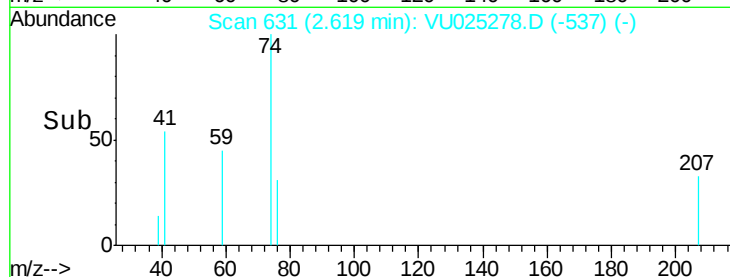
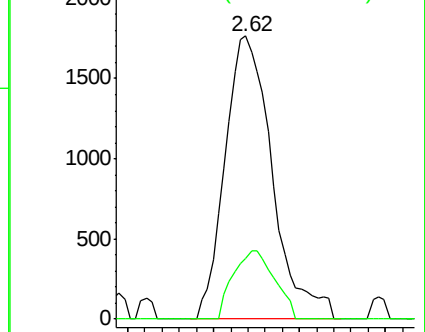
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#19

Methyl tert-butyl Ether

Concen: 1.13 ug/l

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025278.D

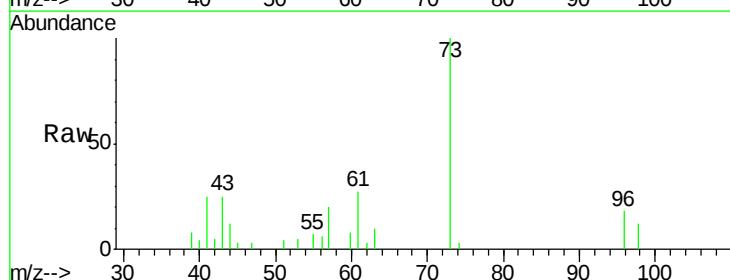
Acq: 09 Jul 2018 17:01

Tgt Ion: 73 Resp: 7627

Ion Ratio Lower Upper

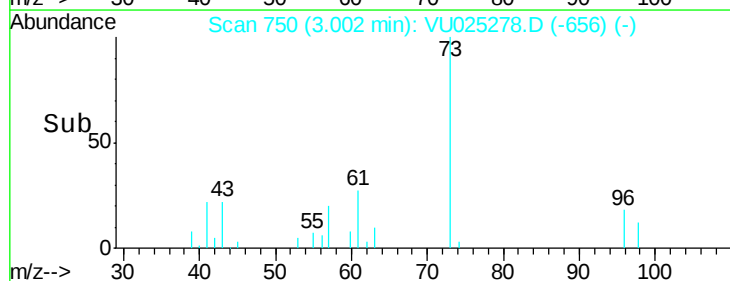
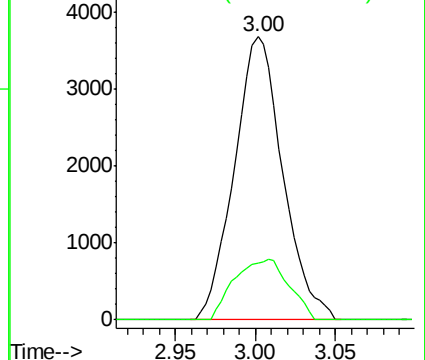
73 100

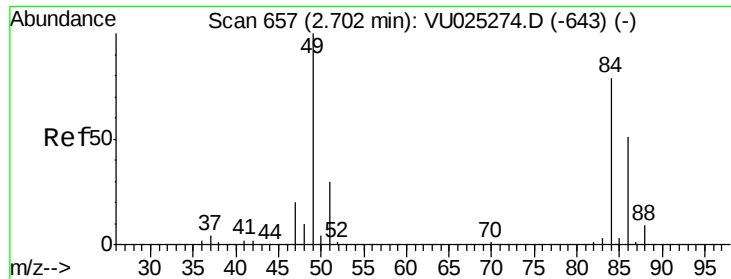
57 19.9 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#20

Methvlene Chloride

Concen: 1.62 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 84 Resp: 3920

Ion Ratio Lower Upper

84 100

49 114.0 101.8 152.6

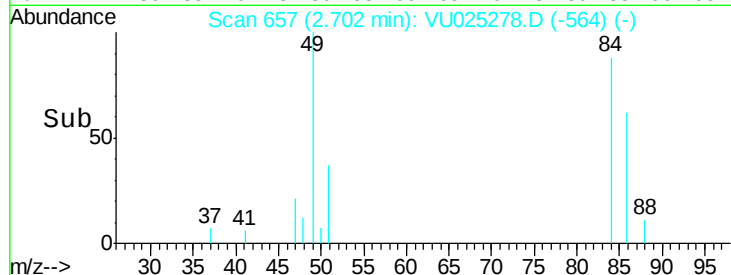
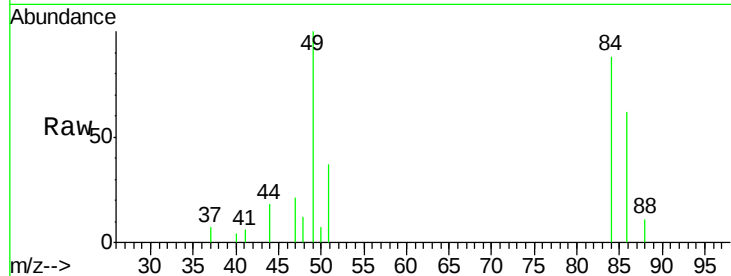
51 42.1 30.8 46.2

86 70.8 51.9 77.9

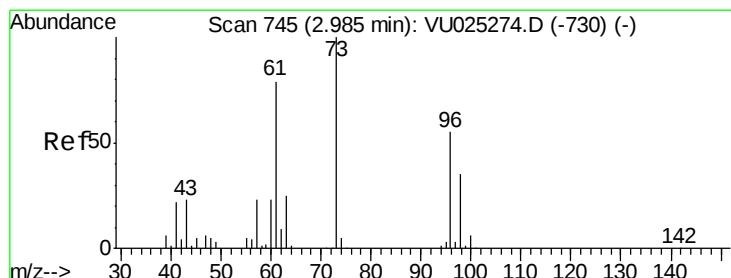
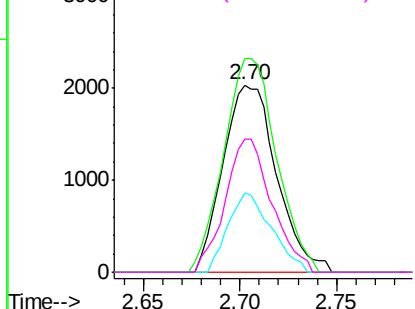
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Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 1.24 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

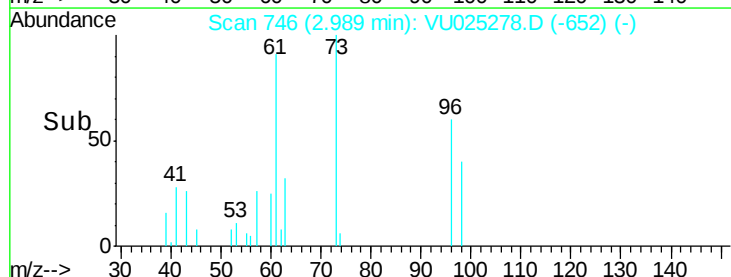
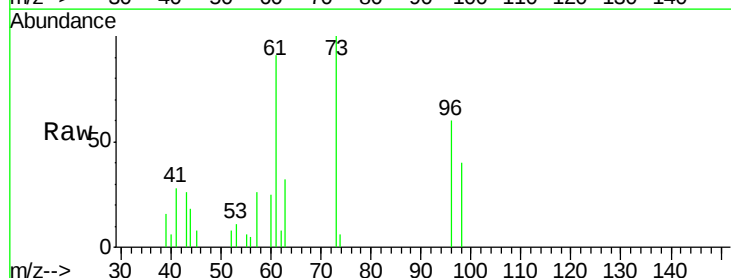
Tgt Ion: 96 Resp: 2518

Ion Ratio Lower Upper

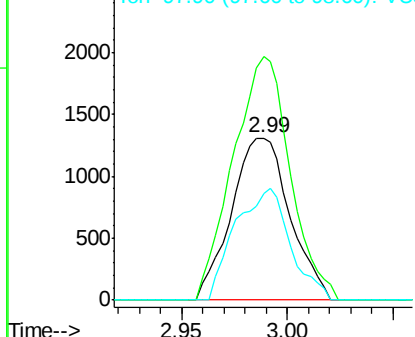
96 100

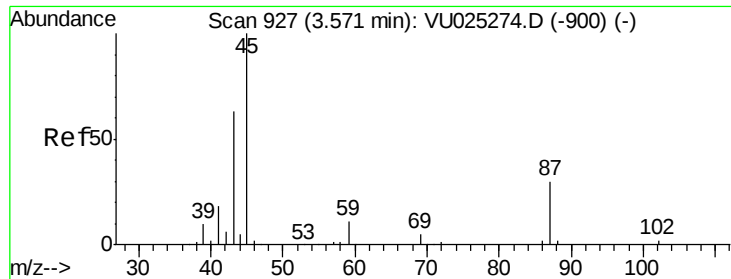
61 150.3 114.5 171.7

98 66.0 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





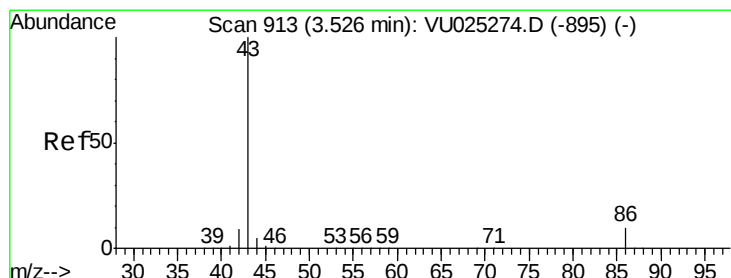
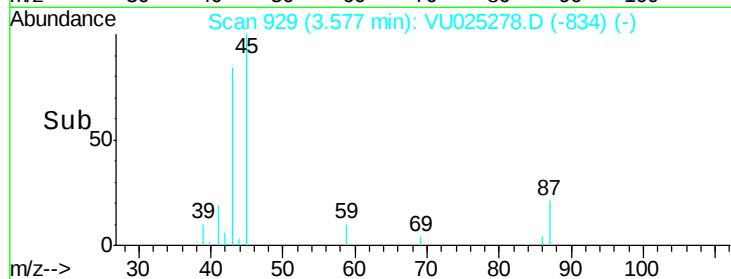
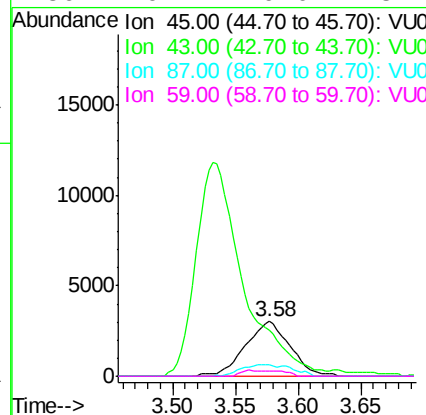
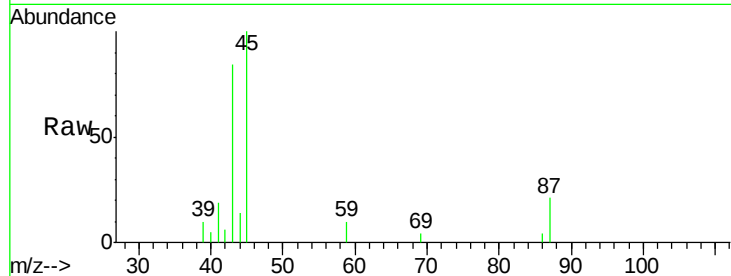
#22
Diisopropyl ether
Concen: 1.15 ug/l
RT: 3.58 min Scan# 929
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	45	Resp:	7535
Ion	Ratio	Lower	Upper
45	100		
43	74.8	50.9	76.3
87	21.0	23.8	35.8#
59	9.7	9.0	13.4

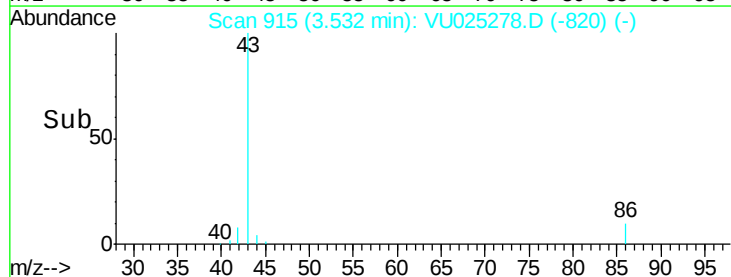
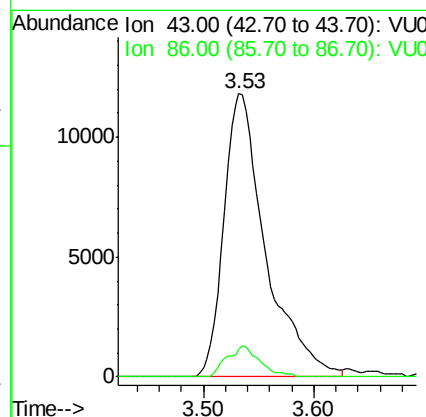
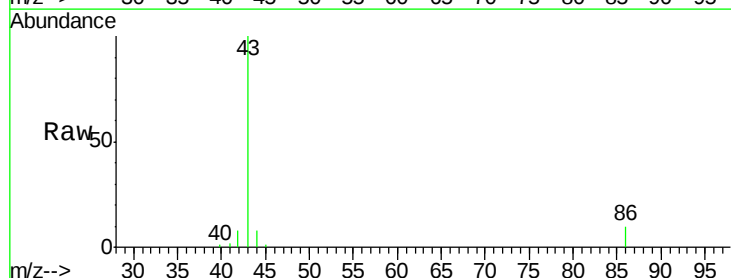
Manual Integrations
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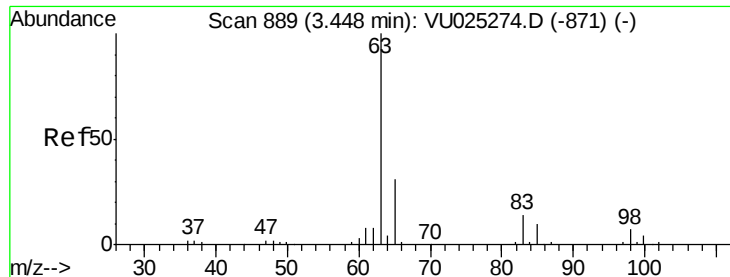
MMDadoda
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#23
Vinyl Acetate
Concen: 5.38 ug/l
RT: 3.53 min Scan# 915
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion:	43	Resp:	31040
Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.2	12.2





#24

1,1-Dichloroethane

Concen: 1.04 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

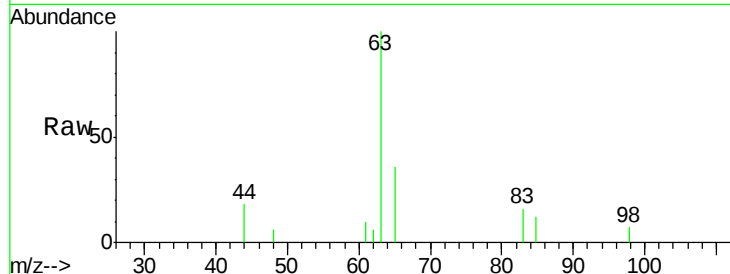
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	3852
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	0.0	2.0	6.0#

Manual Integrations
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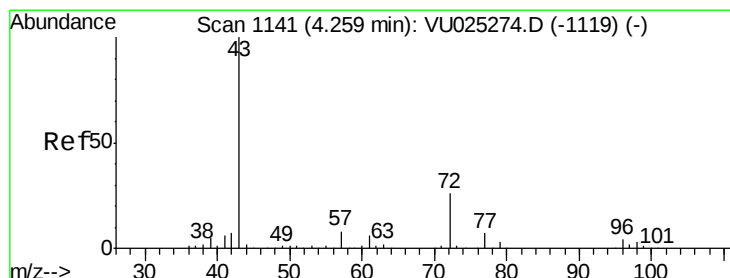
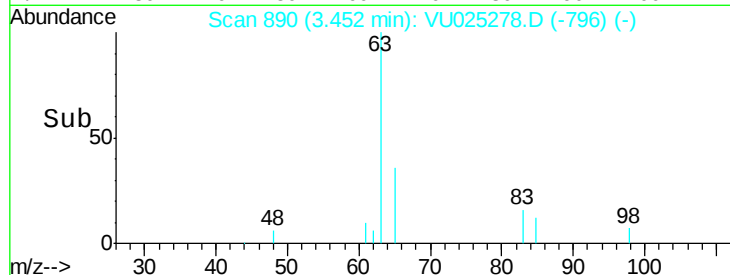
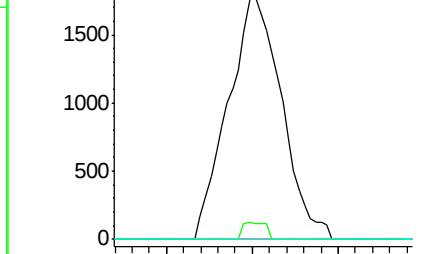
MMDadoda
7/10/2018 2:33:50 PM



Abundance Ion 62.90 (62.60 to 63.60): VU025274.D (-871) (-)

Ion 97.90 (97.60 to 98.60): VU025274.D (-871) (-)

Ion 99.90 (99.60 to 100.60): VU025274.D (-871) (-)



#25

2-Butanone

Concen: 5.74 ug/l

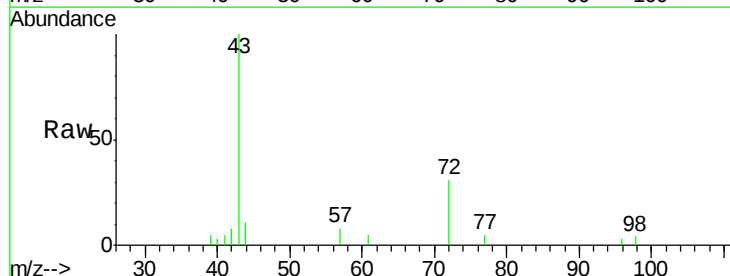
RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025278.D

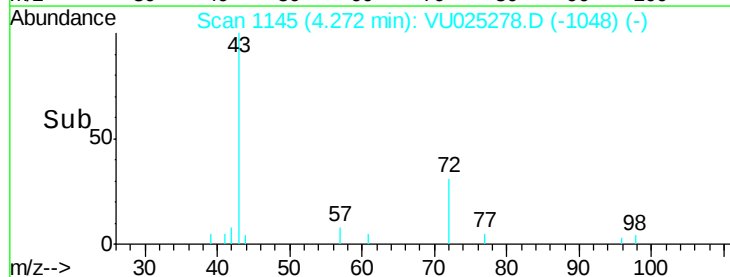
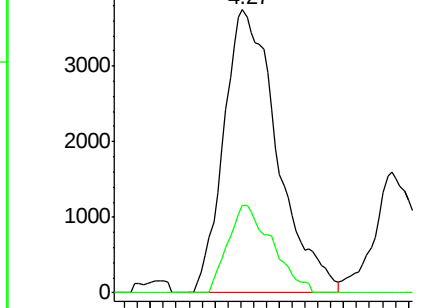
Acq: 09 Jul 2018 17:01

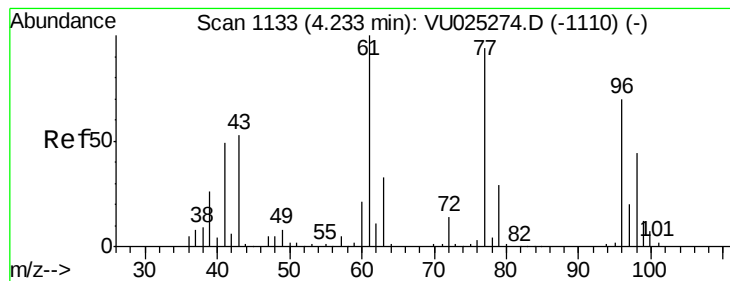
Tgt Ion:	43	Resp:	10814
Ion	Ratio	Lower	Upper
43	100		
72	30.9	21.0	31.4



Abundance Ion 43.00 (42.70 to 43.70): VU025278.D (-1048) (-)

Ion 72.00 (71.70 to 72.70): VU025278.D (-1048) (-)





#26

2,2-Dichloropropane

Concen: 1.16 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 4146

Ion Ratio Lower Upper

77 100

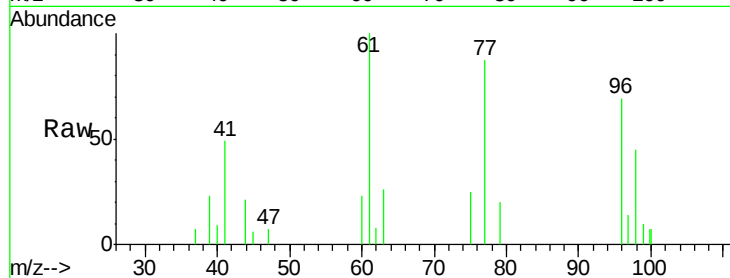
97 9.7 11.2 33.5#

Manual Integrations

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7/10/2018 2:33:50 PM



Abundance Ion 76.90 (76.60 to 77.60): VU025274.D (-1110) (-)

Ion 96.90 (96.60 to 97.60): VU025278.D (-1040) (-)

4.23

1500

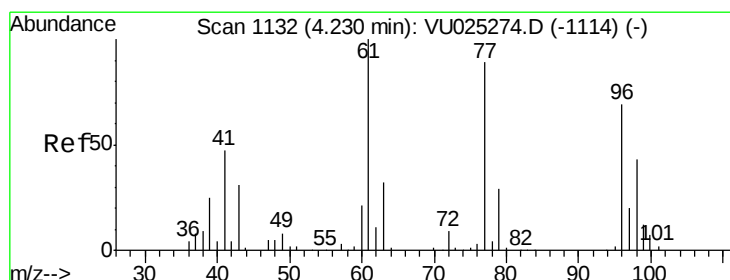
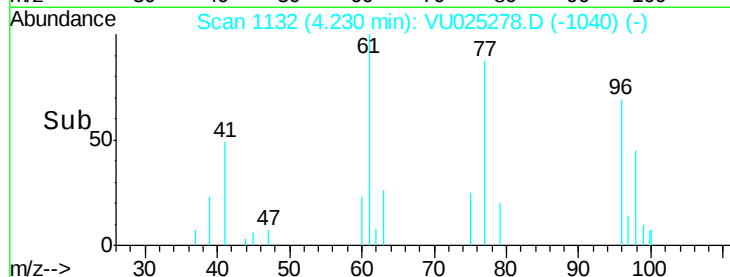
1000

500

0

Time-->

4.15 4.20 4.25 4.30



#27

cis-1,2-Dichloroethene

Concen: 1.24 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

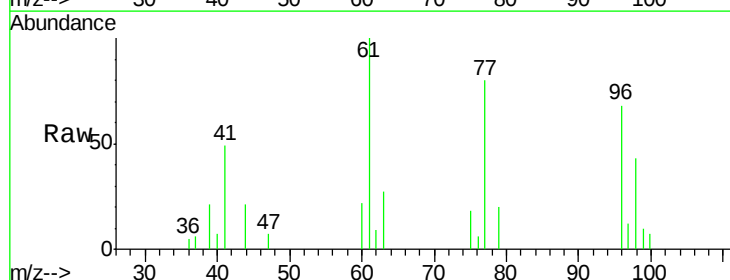
Tgt Ion: 96 Resp: 2899

Ion Ratio Lower Upper

96 100

61 152.4 0.0 299.8

98 68.7 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU025274.D (-1114) (-)

Ion 60.90 (60.60 to 61.60): VU025278.D (-1039) (-)

Ion 97.90 (97.60 to 98.60): VU025278.D (-1039) (-)

4.23

2500

2000

1500

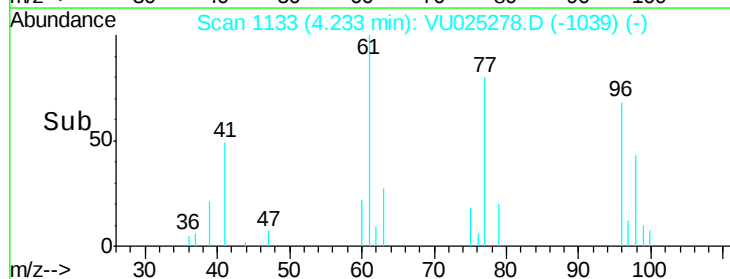
1000

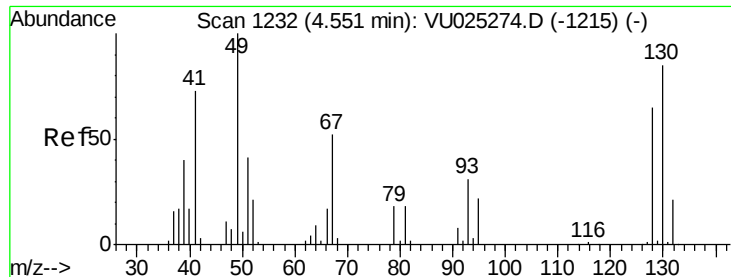
500

0

Time-->

4.15 4.20 4.25 4.30





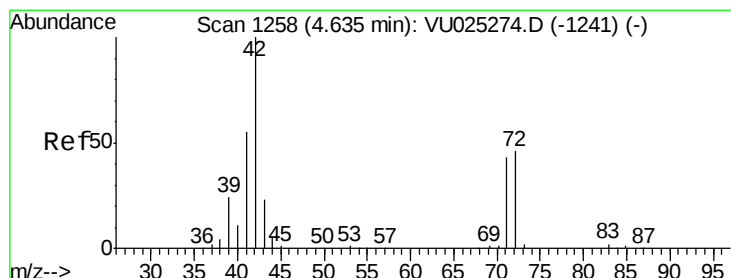
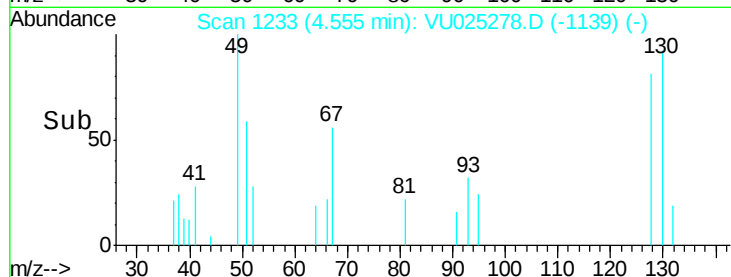
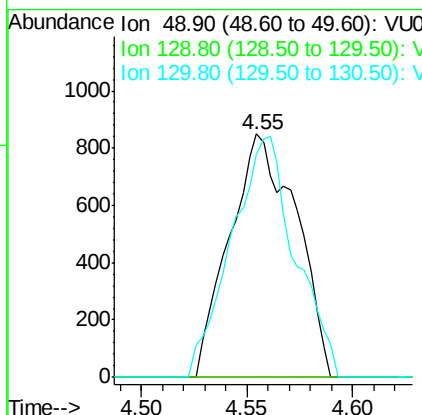
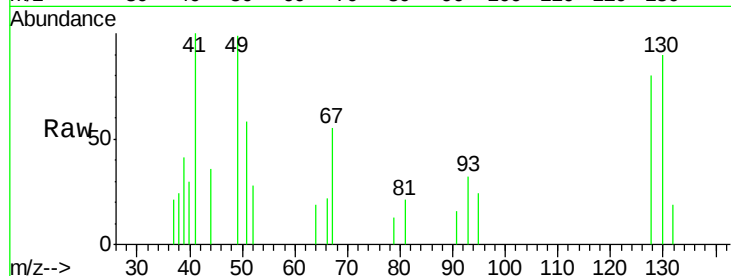
#28
Bromochloromethane
Concen: 1.04 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 49 Resp: 1863
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 94.8 68.6 102.8

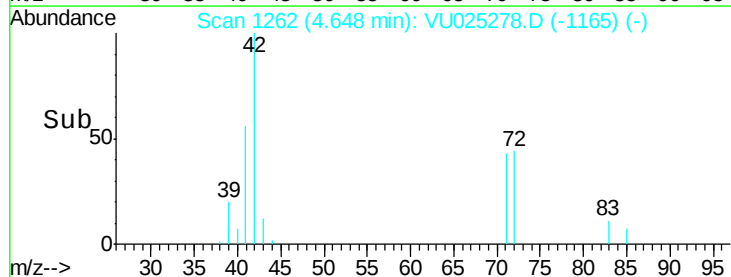
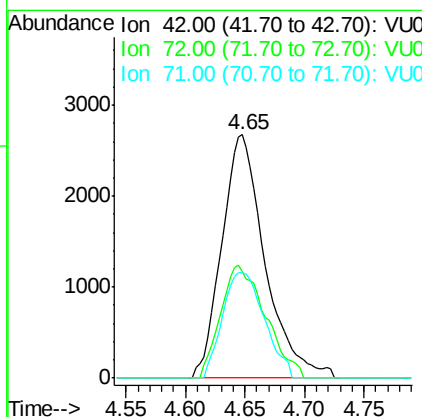
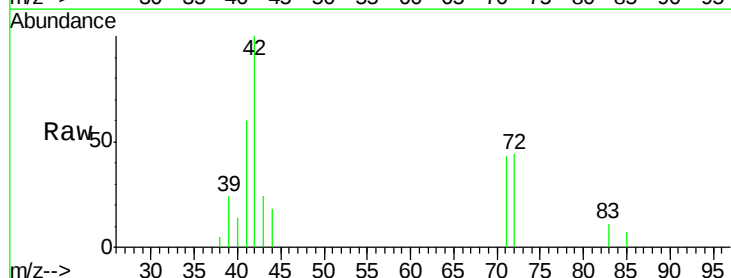
Manual Integrations
APPROVED

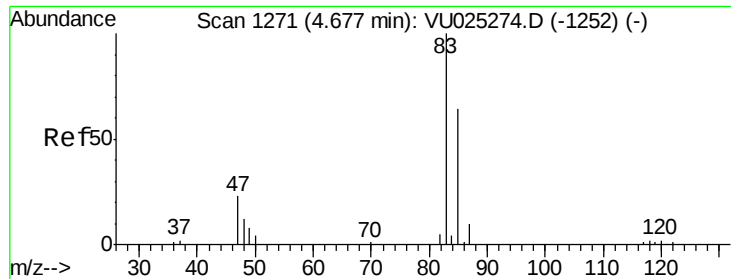
MMDadoda
7/10/2018 2:33:50 PM



#29
Tetrahydrofuran
Concen: 5.95 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion: 42 Resp: 6722
Ion Ratio Lower Upper
42 100
72 48.1 36.7 55.1
71 41.9 33.9 50.9





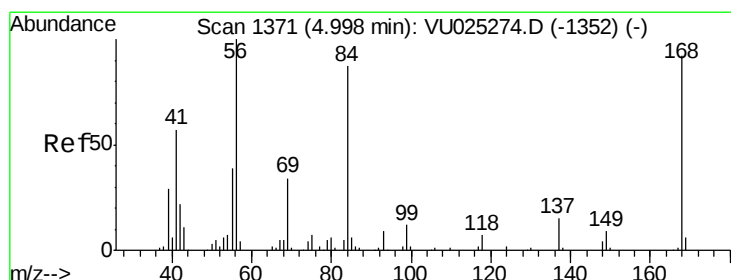
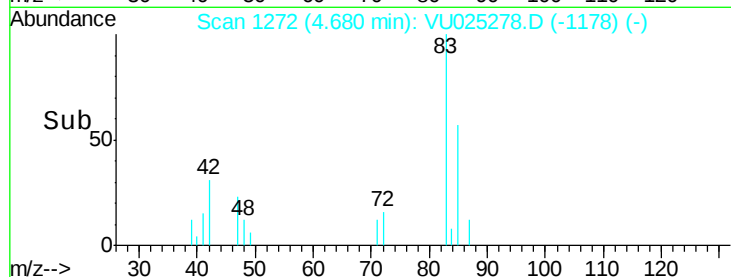
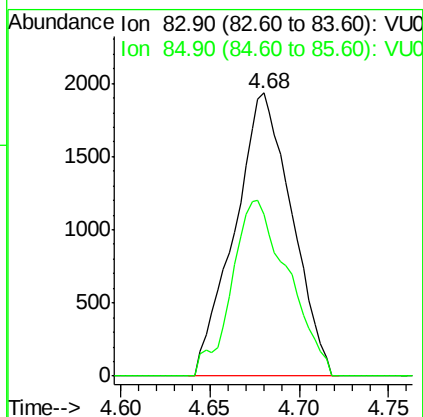
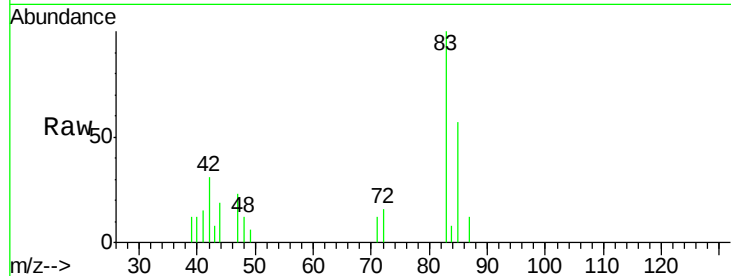
#30
Chloroform
Concen: 1.10 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 4329
Ion Ratio Lower Upper
83 100
85 57.1 51.5 77.3

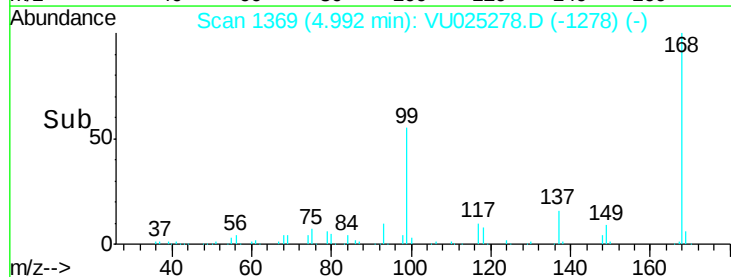
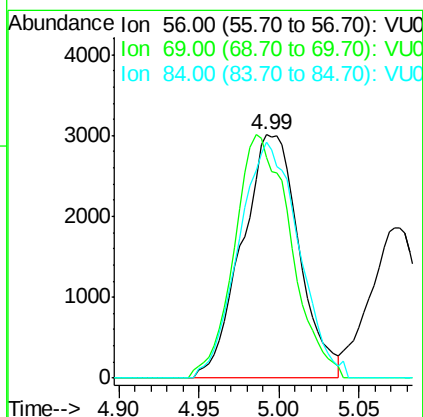
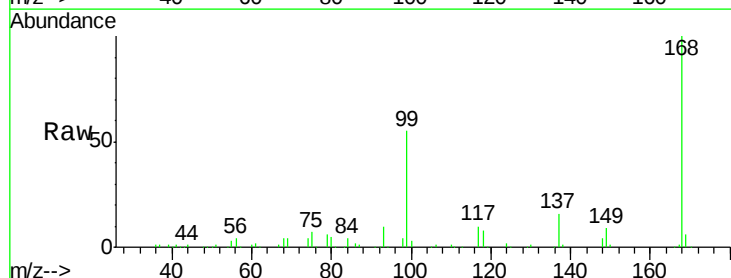
Manual Integrations
APPROVED

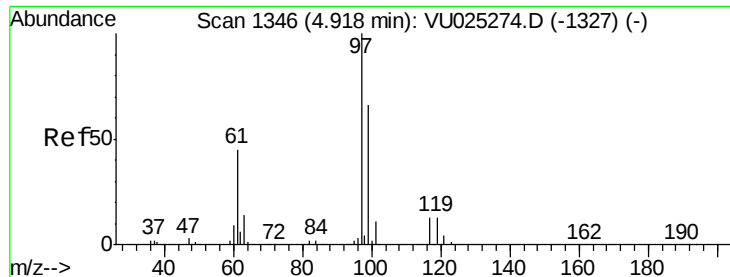
MMDadoda
7/10/2018 2:33:50 PM



#31
Cyclohexane
Concen: 1.80 ug/l
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion: 56 Resp: 7412
Ion Ratio Lower Upper
56 100
69 90.7 26.8 40.2#
84 97.0 69.7 104.5





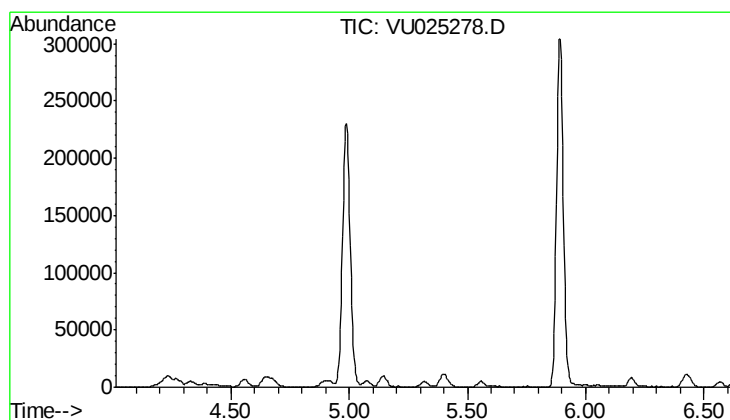
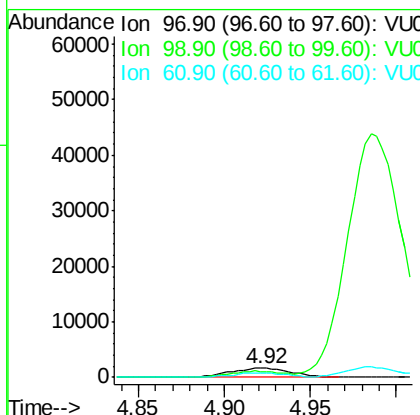
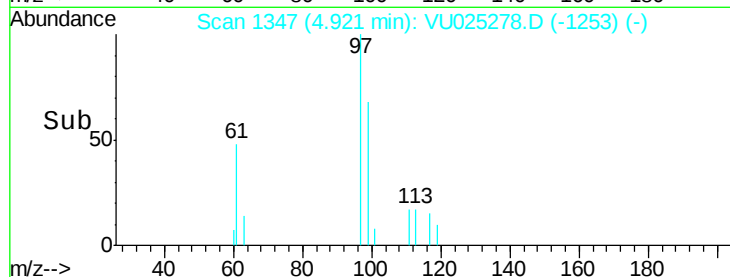
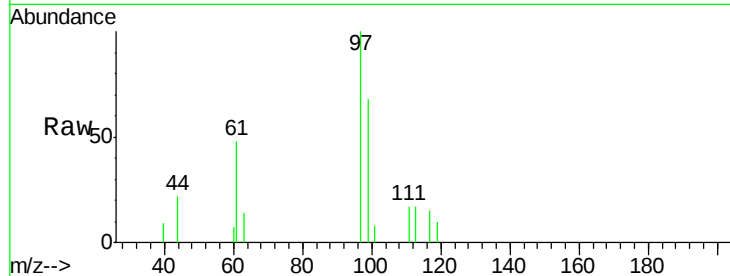
#32
 1,1,1-Trichloroethane
 Concen: 1.11 ug/l
 RT: 4.92 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	50.8	76.2#	
61	43.2	35.2	52.8	

Manual Integrations
 APPROVED

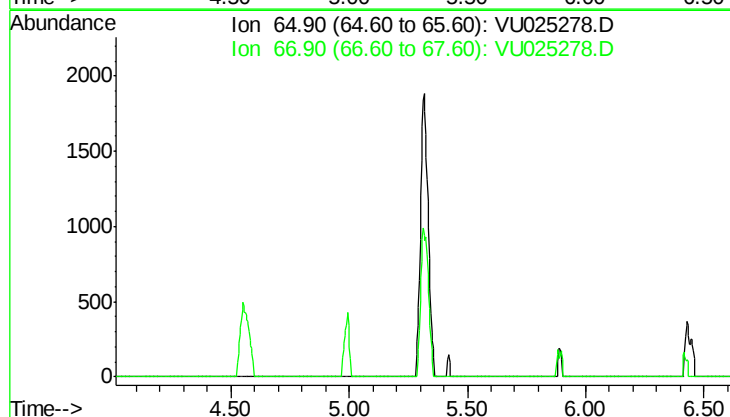
MMDadoda
 7/10/2018 2:33:50 PM

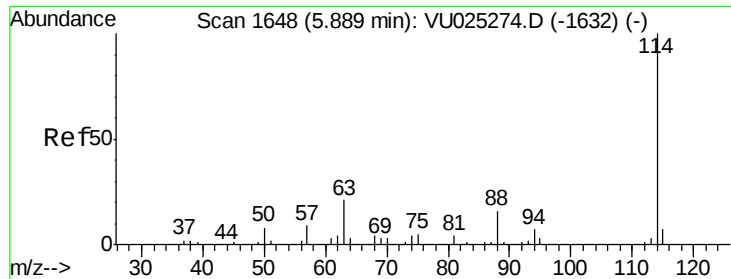


#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 Expected RT: 5.31 min

Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion	Sig	Exp Ratio
65	100	
67	51.8	





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

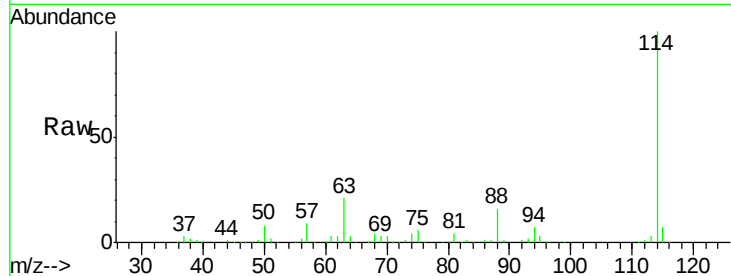
ClientSampleId :

VSTDIC001

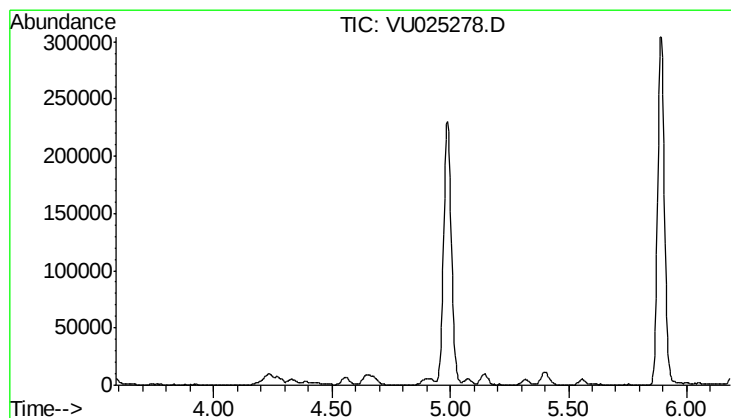
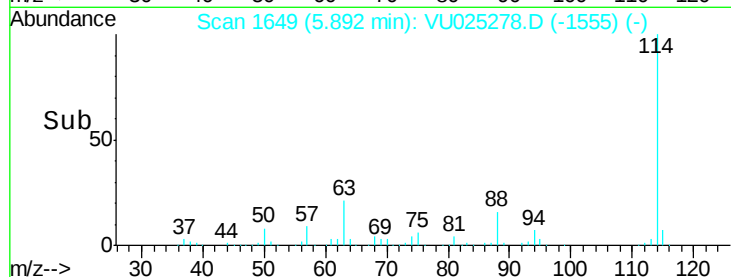
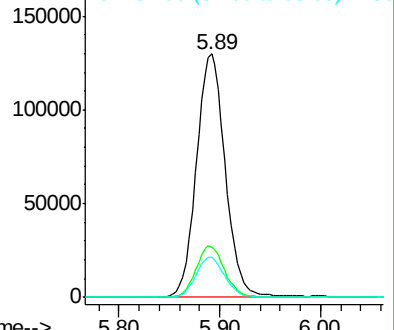
Tot Ion:	114	Resp:	259142
Ion Ratio		Lower	Upper
114	100		
63	20.9	0.0	41.6
88	16.3	0.0	32.4

Manual Integrations
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Abundance Ion 113.90 (113.60 to 114.60): VU025278.D



#35

Dibromofluoromethane

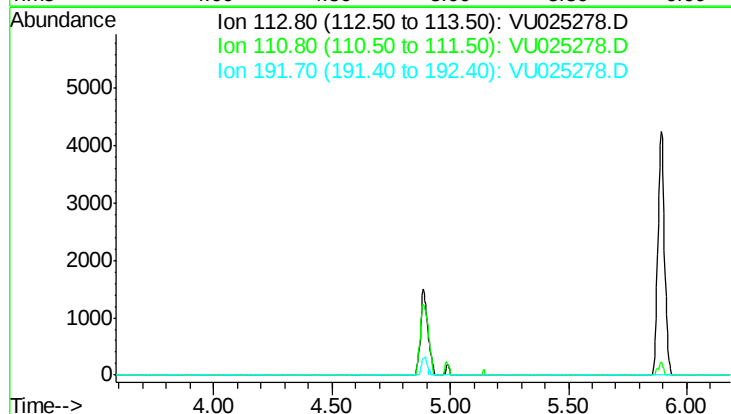
Concen: 0.00 ug/l

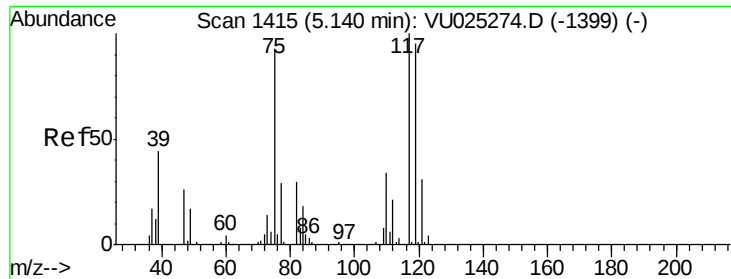
Expected RT: 4.89 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	102.1
192	21.4





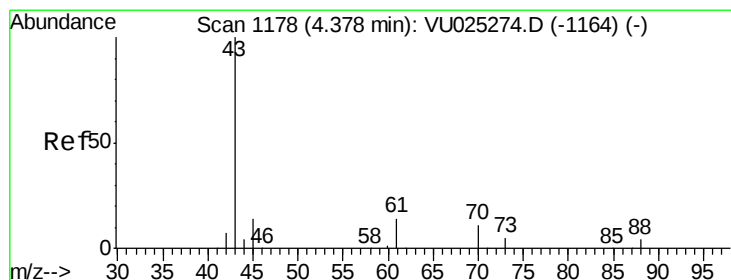
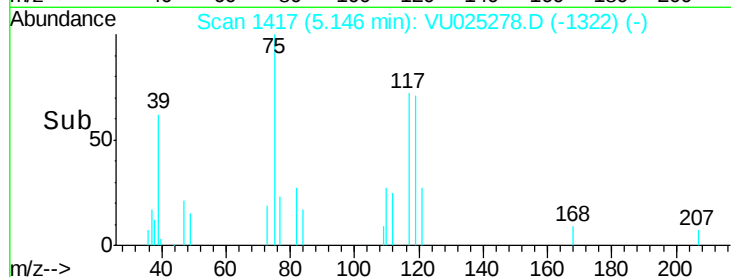
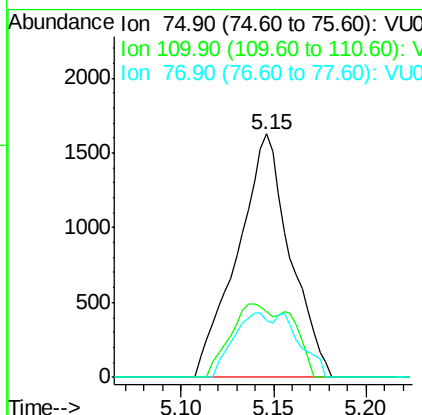
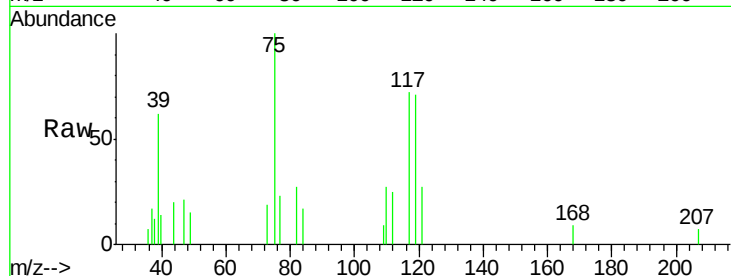
#36
 1,1-Dichloropropene
 Concen: 1.12 ug/l
 RT: 5.15 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	23.2	17.6	52.9
77	19.0	24.4	36.6

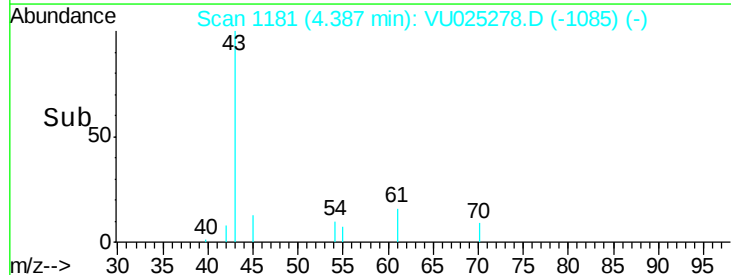
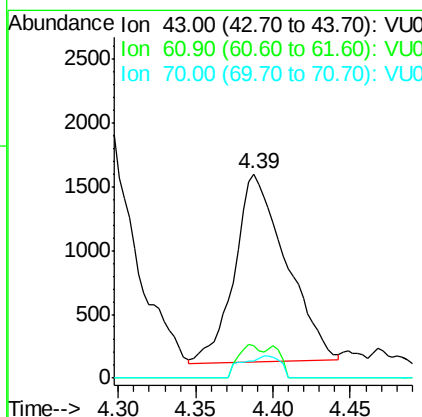
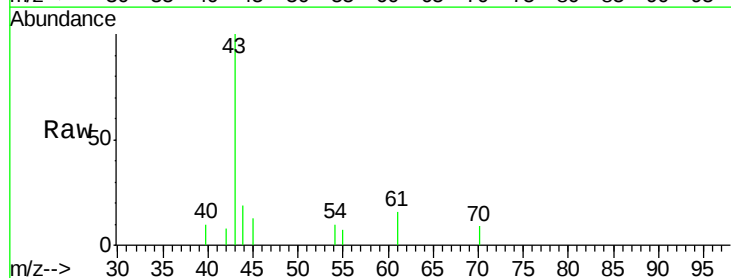
Manual Integrations
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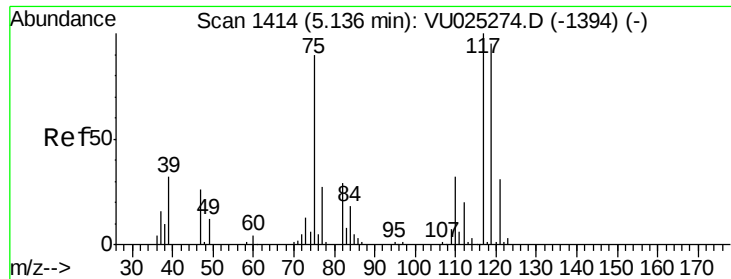
MMDadoda
 7/10/2018 2:33:50 PM



#37
 Ethyl Acetate
 Concen: 1.07 ug/l
 RT: 4.39 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	8.1	10.7	16.1
70	8.7	8.4	12.6





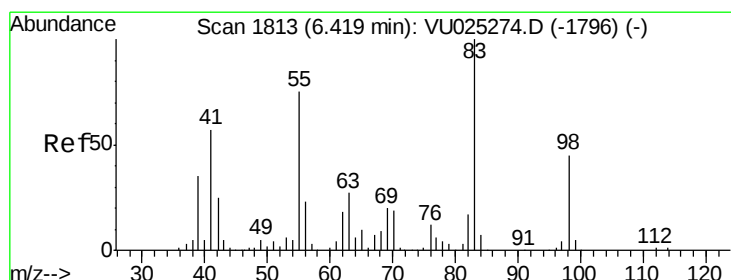
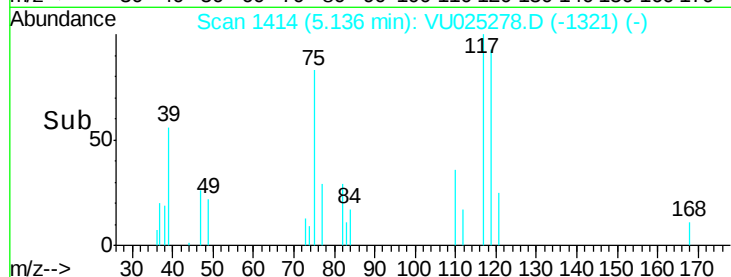
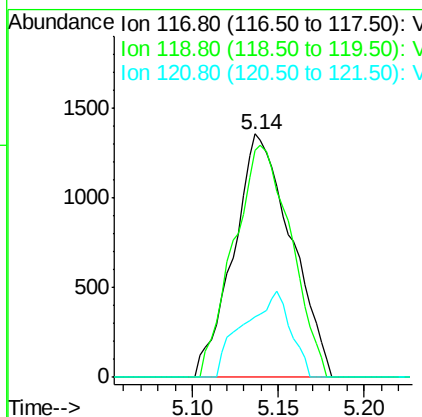
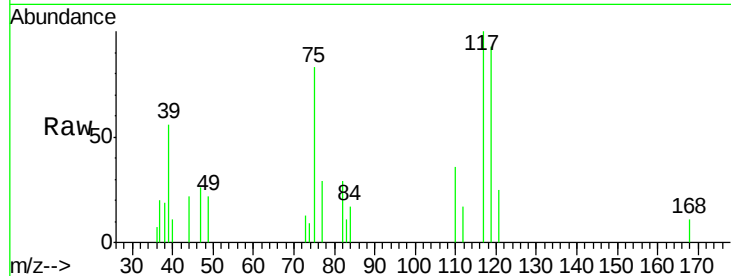
#38
Carbon Tetrachloride
Concen: 1.02 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.7	113.5
121	25.1	24.6	36.8

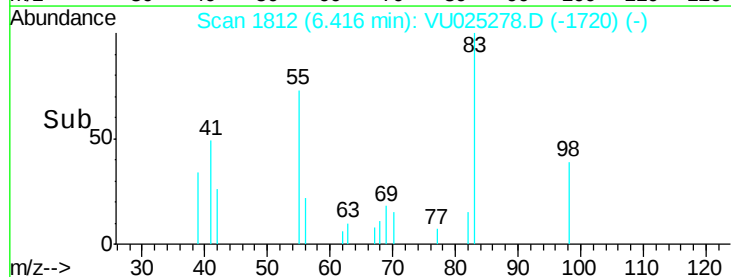
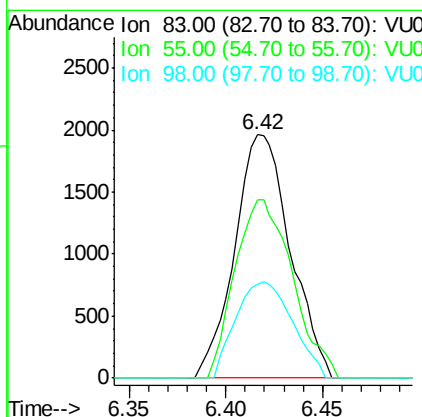
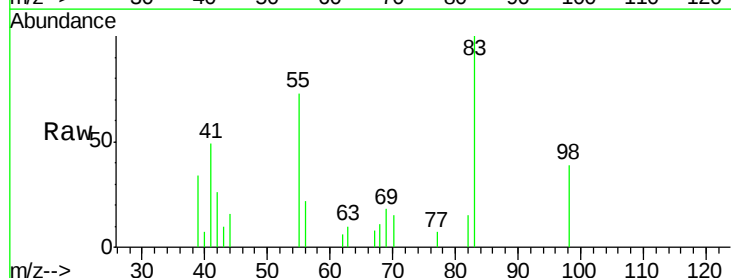
Manual Integrations
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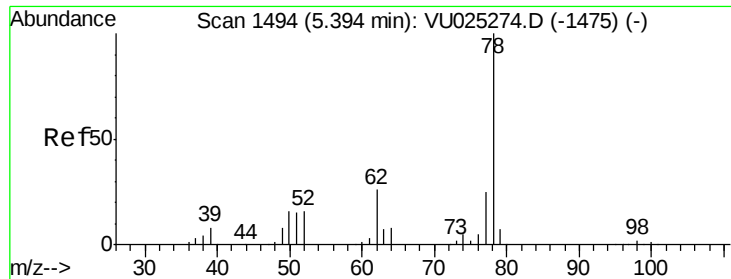
MMDadoda
7/10/2018 2:33:50 PM



#39
Methylcyclohexane
Concen: 1.09 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.4	60.0	90.0
98	38.5	36.1	54.1





#40

Benzene

Concen: 1.12 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 9338

Ion Ratio Lower Upper

78 100

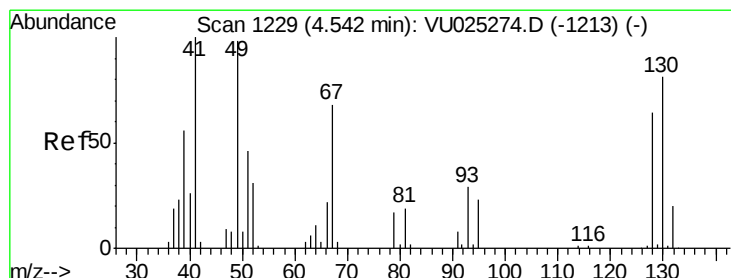
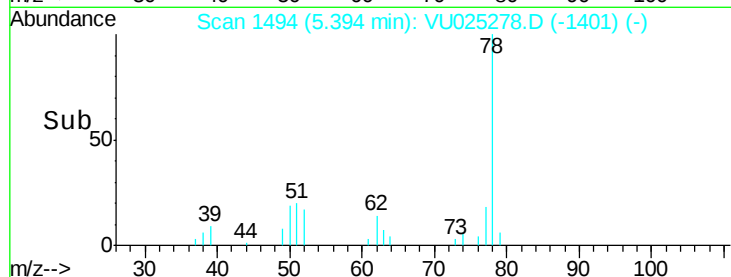
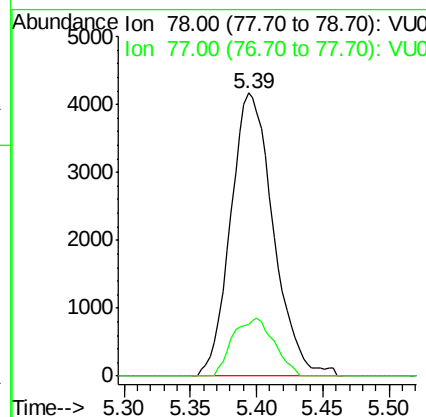
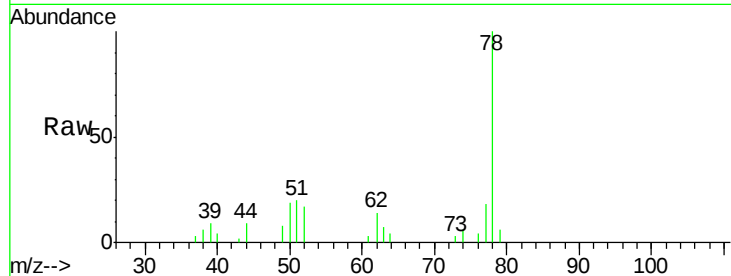
77 18.2 19.8 29.6#

Manual Integrations

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7/10/2018 2:33:50 PM



#41

Methacrylonitrile

Concen: 1.08 ug/l

RT: 4.56 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Tgt Ion: 41 Resp: 1925

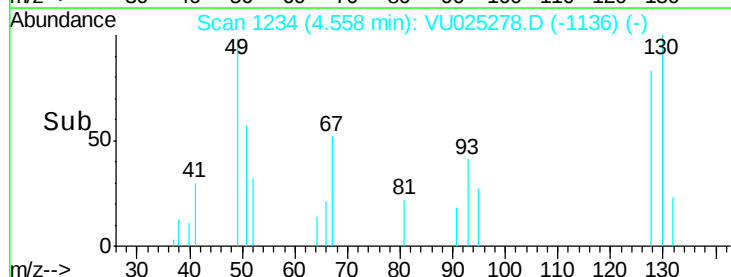
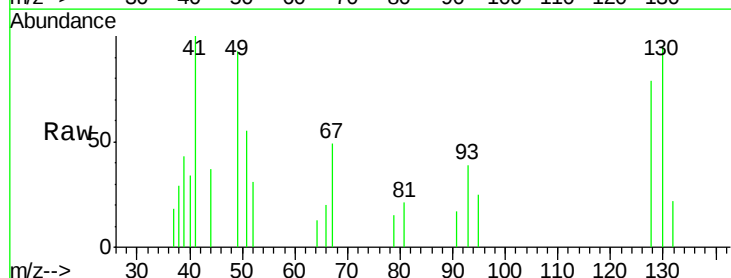
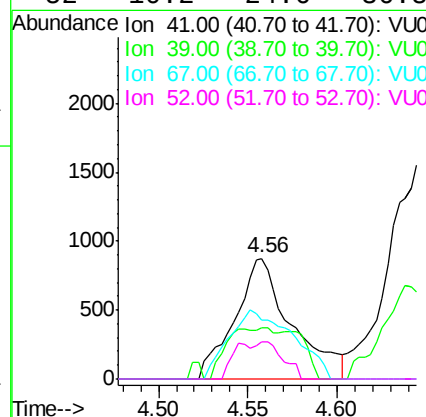
Ion Ratio Lower Upper

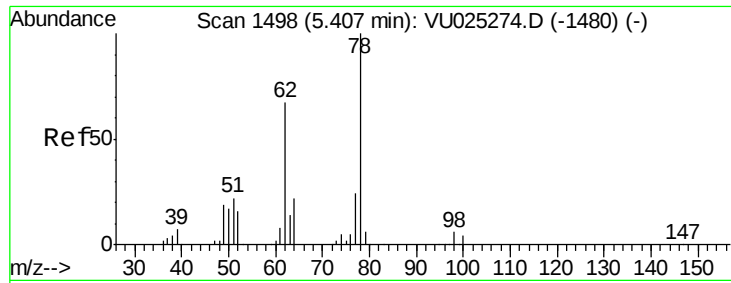
41 100

39 19.9 44.4 66.6#

67 64.9 56.0 84.0

52 10.2 24.6 36.8#





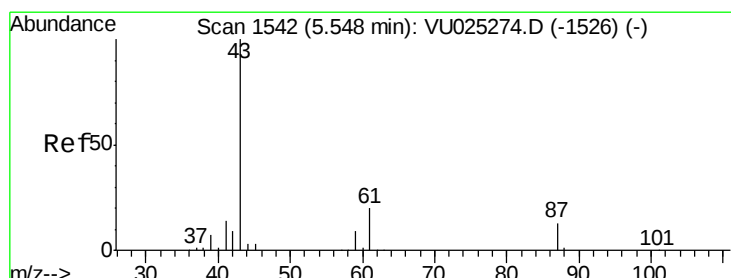
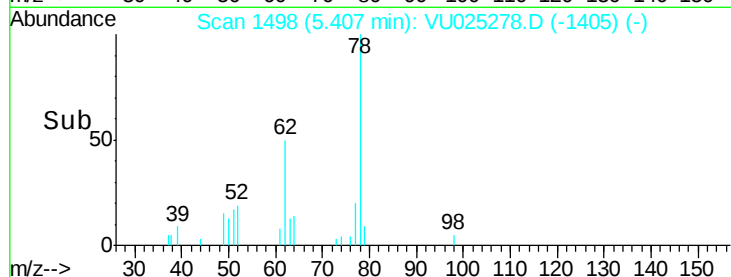
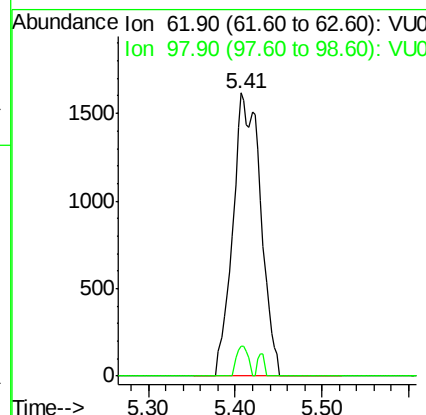
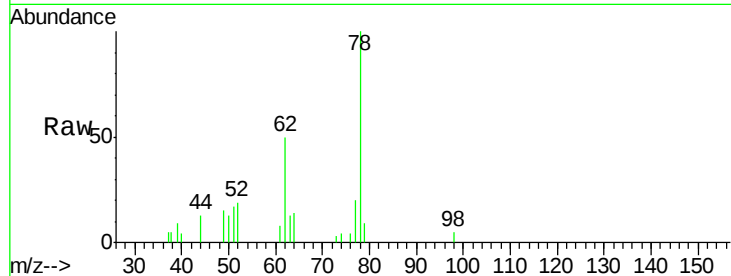
#42
 1,2-Dichloroethane
 Concen: 1.09 ug/l m
 RT: 5.41 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	16.4

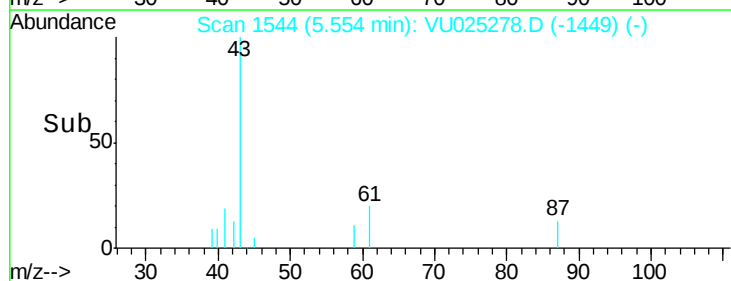
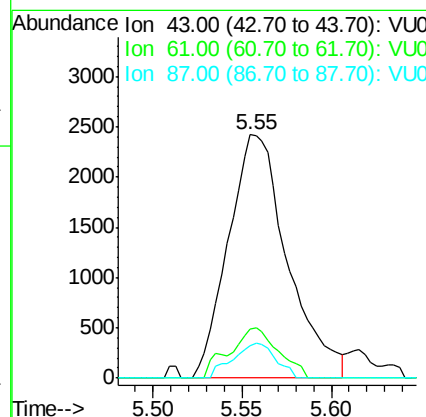
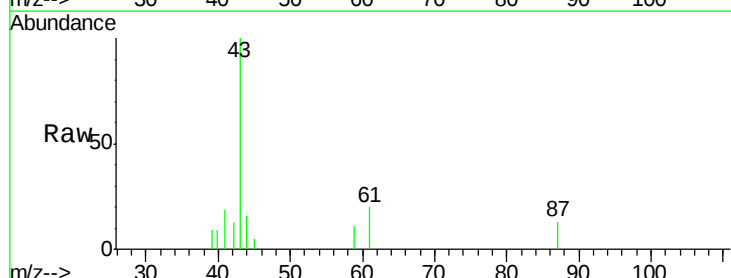
Manual Integrations
 APPROVED

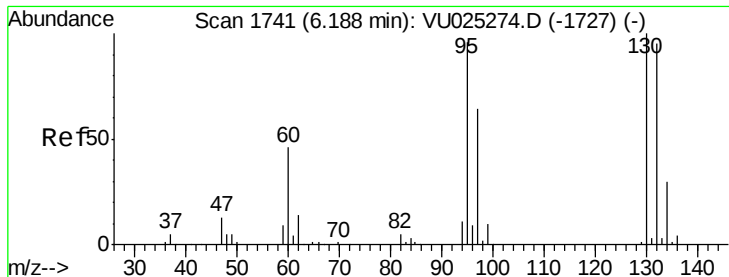
MMDadoda
 7/10/2018 2:33:50 PM



#43
 Isopropyl Acetate
 Concen: 1.09 ug/l
 RT: 5.55 min Scan# 1544
 Delta R.T. 0.01 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.0	15.5	23.3
87	10.4	10.6	16.0#





#44

Trichloroethene

Concen: 1.24 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 2965

Ion Ratio Lower Upper

130 100

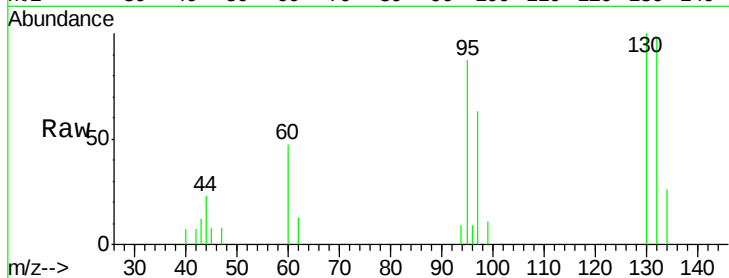
95 87.2 0.0 192.2

Manual Integrations

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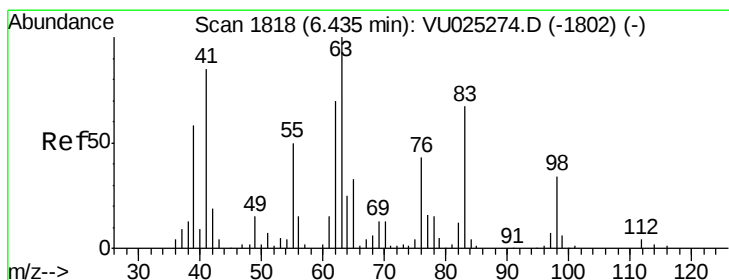
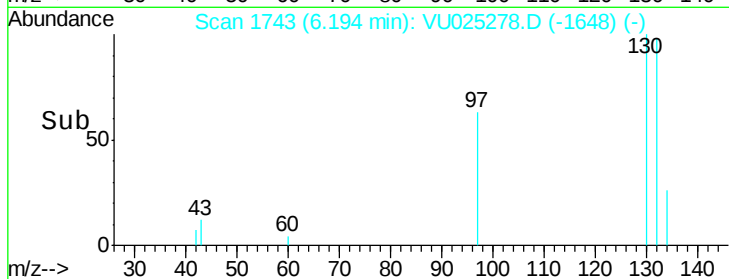
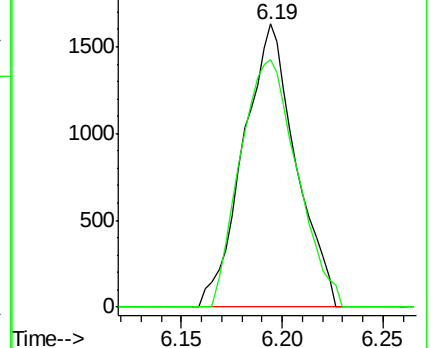
MMDadoda

7/10/2018 2:33:50 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#45

1,2-Dichloropropane

Concen: 1.12 ug/l

RT: 6.44 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VU025278.D

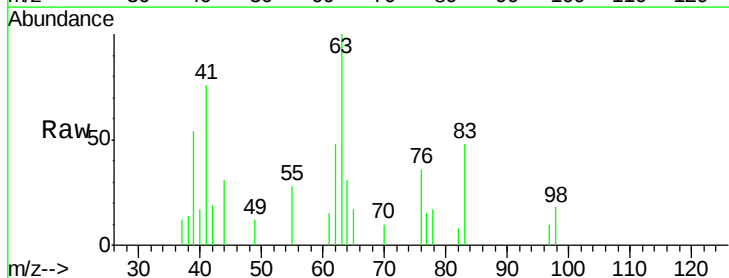
Acq: 09 Jul 2018 17:01

Tgt Ion: 63 Resp: 2445

Ion Ratio Lower Upper

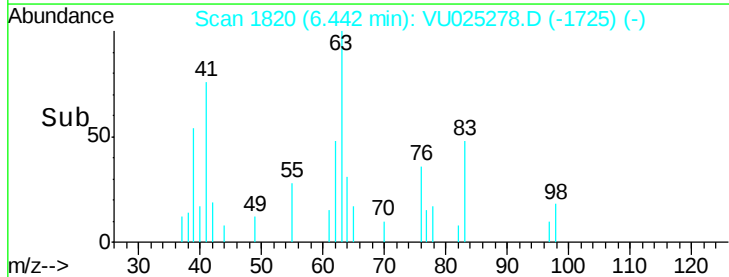
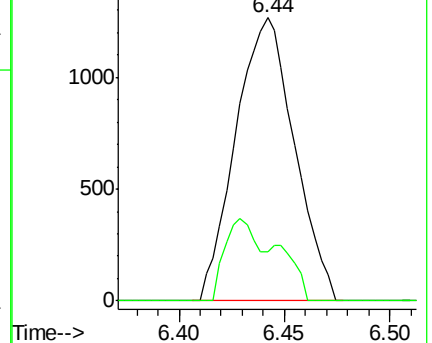
63 100

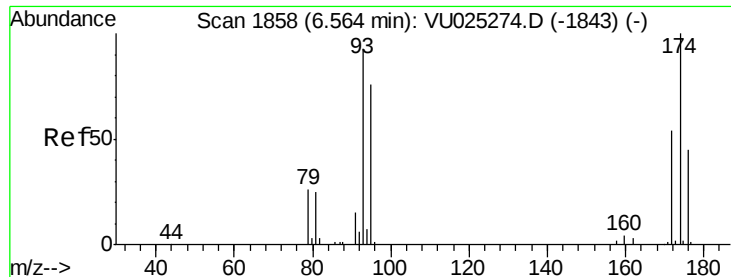
65 17.3 26.1 39.1#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0





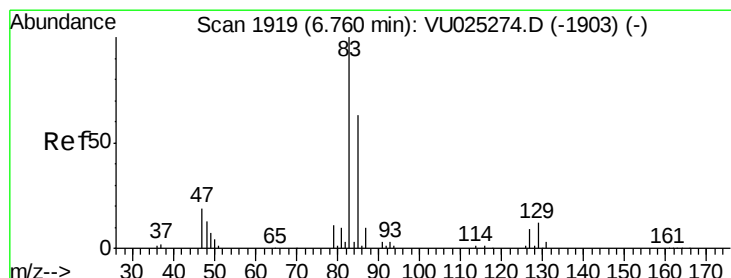
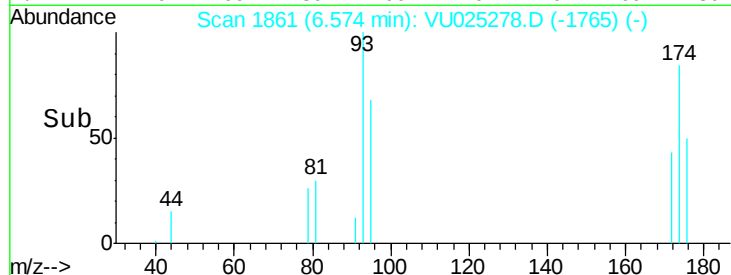
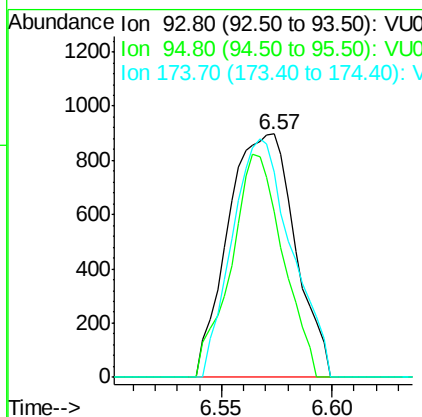
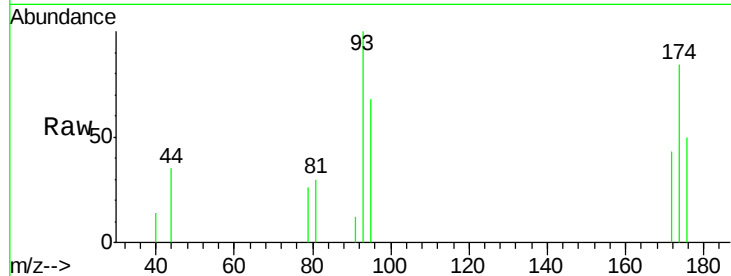
#46
Dibromomethane
Concen: 1.20 ug/l
RT: 6.57 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 1892
Ion Ratio Lower Upper
93 100
95 70.9 66.6 100.0
174 87.2 85.8 128.8

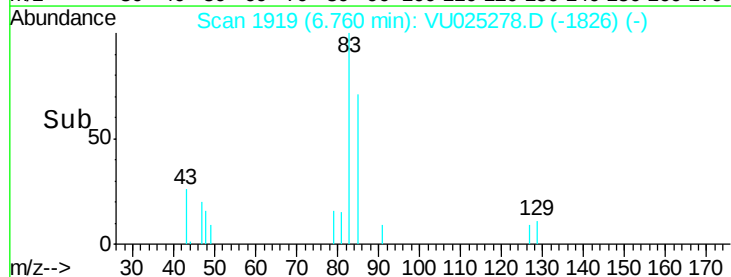
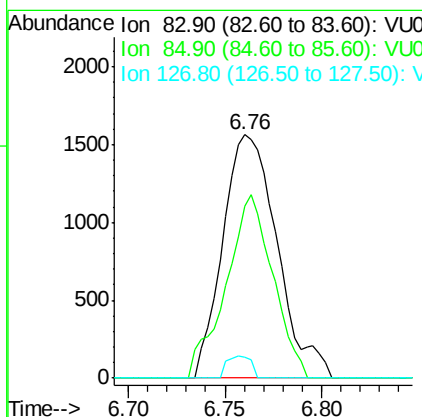
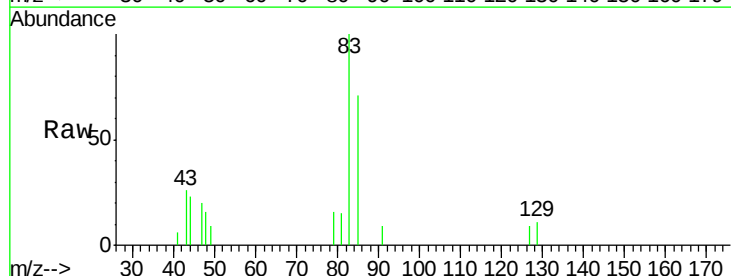
Manual Integrations
APPROVED

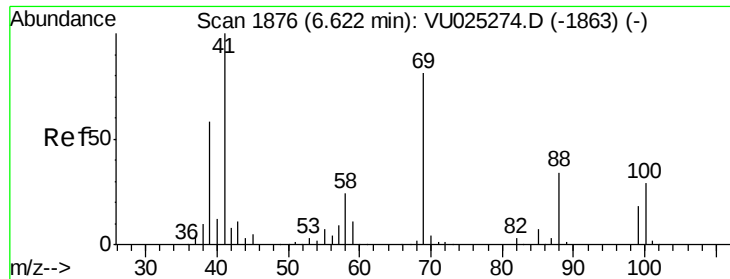
MMDadoda
7/10/2018 2:33:50 PM



#47
Bromodichloromethane
Concen: 1.04 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion: 83 Resp: 3062
Ion Ratio Lower Upper
83 100
85 70.6 50.2 75.4
127 8.7 7.2 10.8





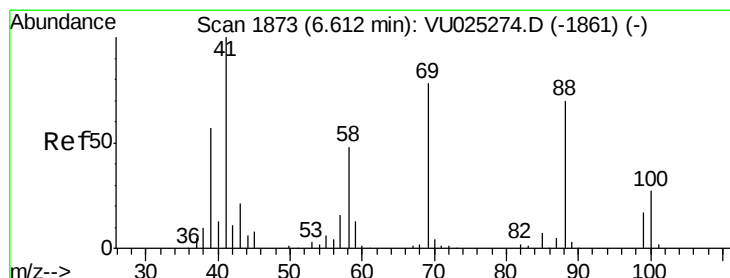
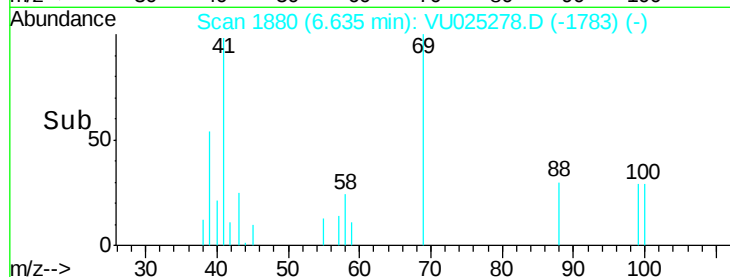
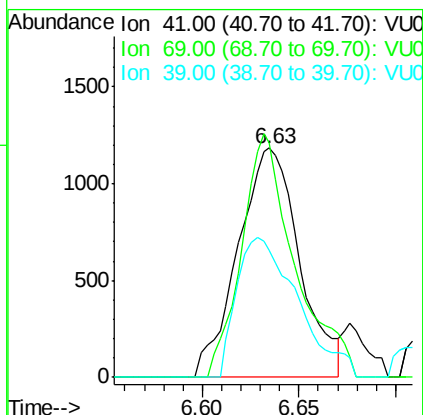
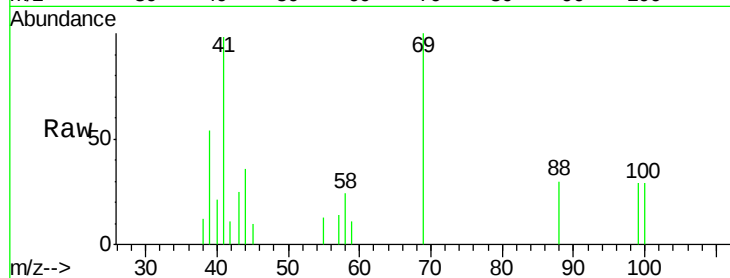
#48
Methvl methacrylate
Concen: 1.02 ug/l
RT: 6.63 min Scan# 1880
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	92.3	65.0	97.4
39	60.8	46.4	69.6

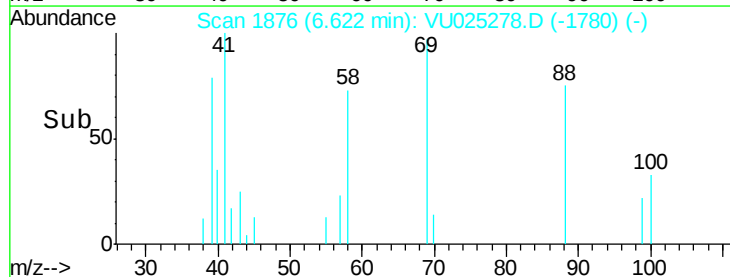
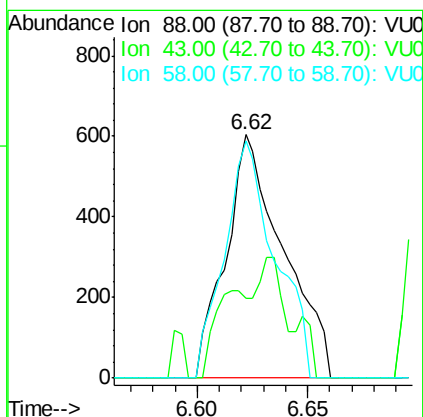
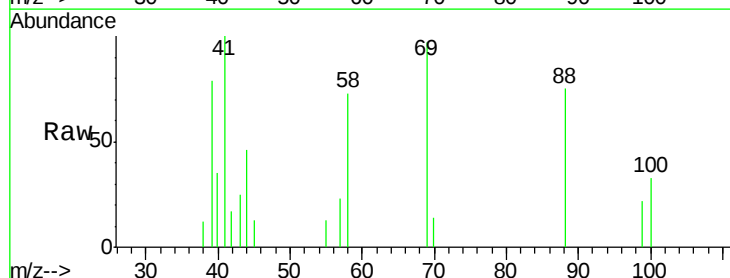
Manual Integrations
APPROVED

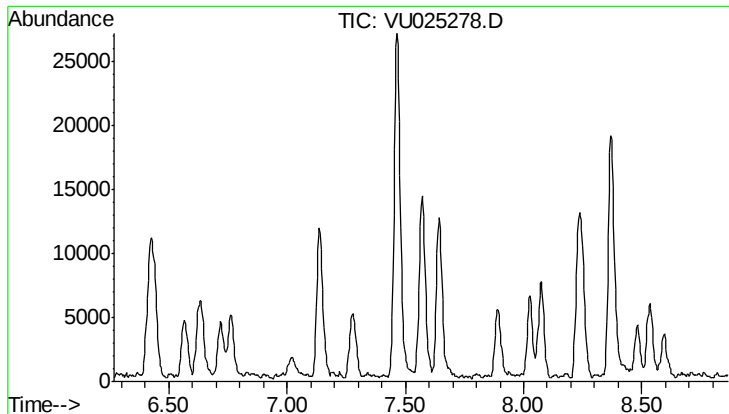
MMDadoda
7/10/2018 2:33:50 PM



#49
1,4-Dioxane
Concen: 17.64 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	19.8	27.3	40.9#
58	86.0	57.6	86.4





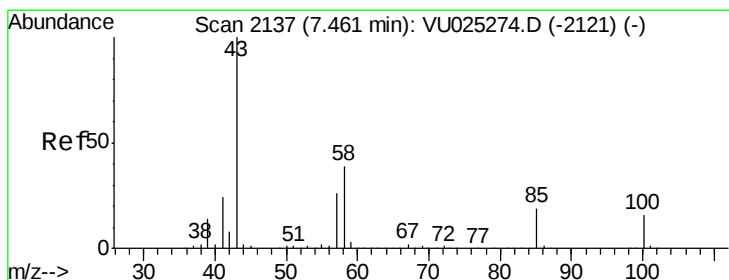
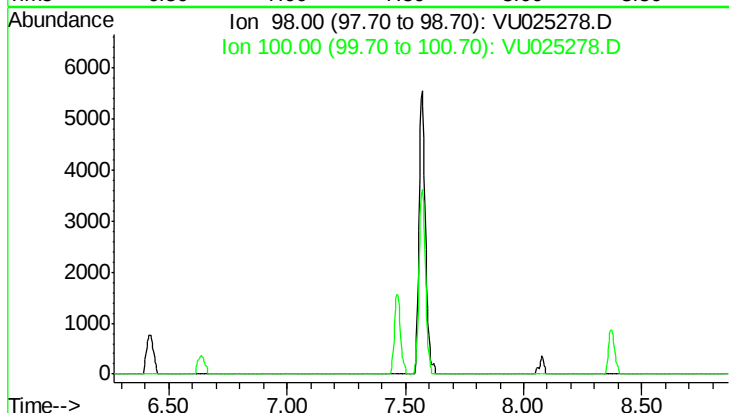
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.57 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.9

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

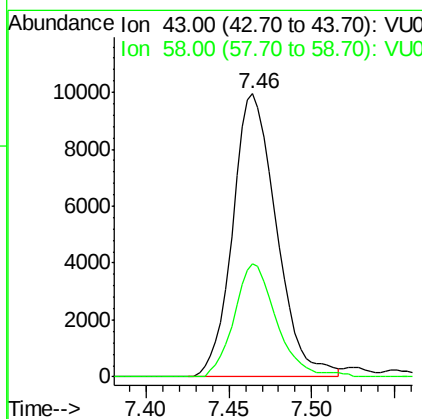
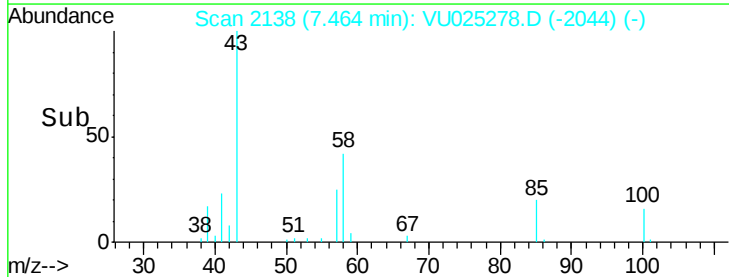
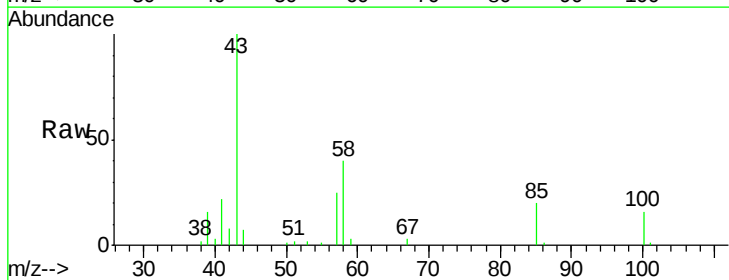
Manual Integrations
APPROVED

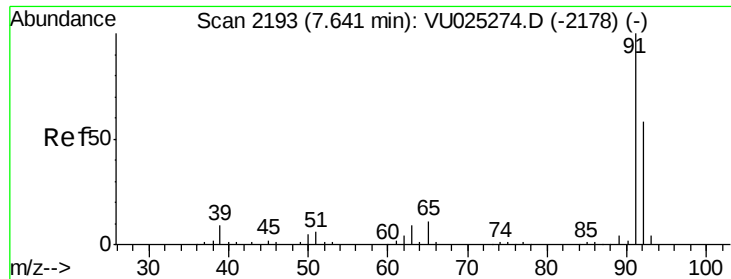
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 5.49 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion: 43 Resp: 18360
Ion Ratio Lower Upper
43 100
58 38.5 31.0 46.4





#52

Toluene

Concen: 1.09 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 5771

Ion Ratio Lower Upper

92 100

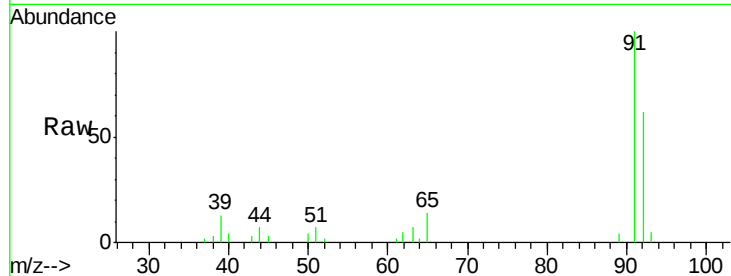
91 172.7 139.2 208.8

Manual Integrations

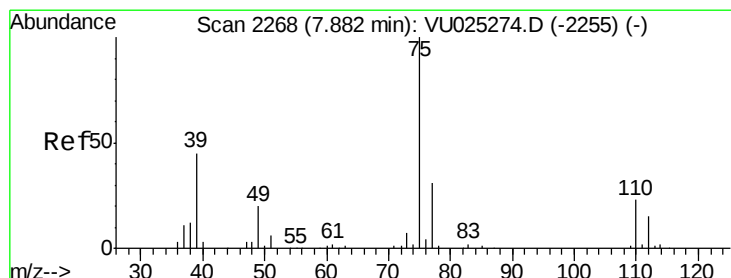
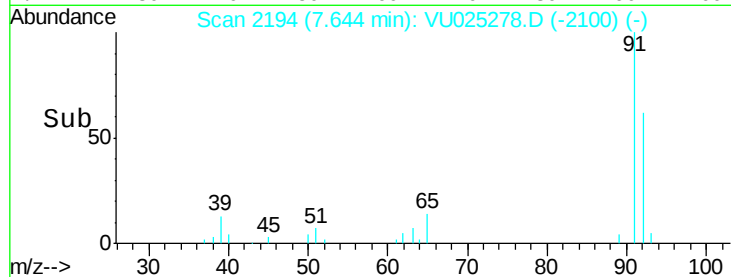
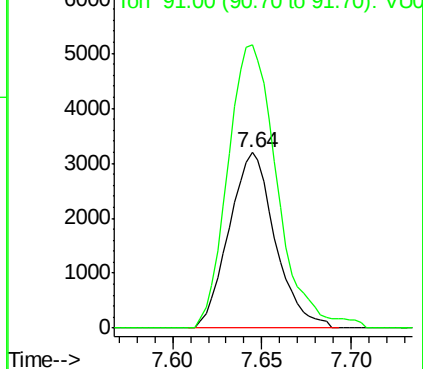
APPROVED

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7/10/2018 2:33:50 PM



Abundance Ion 92.00 (91.70 to 92.70): VU025278.D (-2194) (-)



#53

t-1,3-Dichloropropene

Concen: 0.99 ug/l

RT: 7.89 min Scan# 2270

Delta R.T. 0.01 min

Lab File: VU025278.D

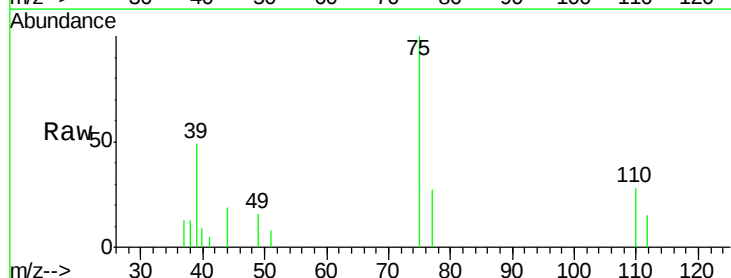
Acq: 09 Jul 2018 17:01

Tgt Ion: 75 Resp: 3210

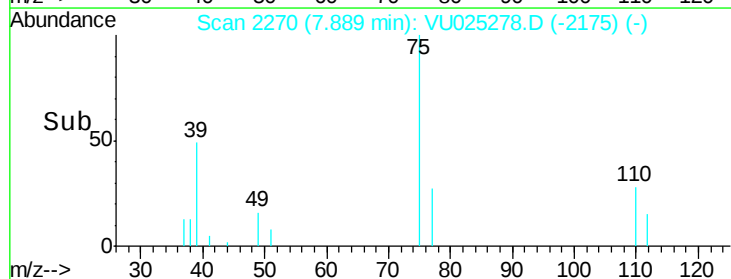
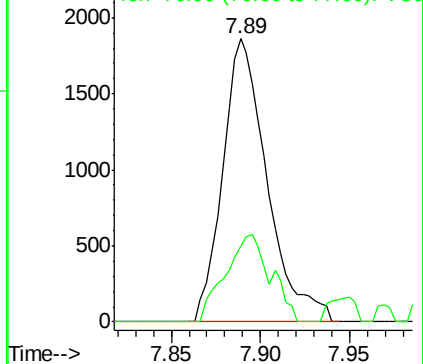
Ion Ratio Lower Upper

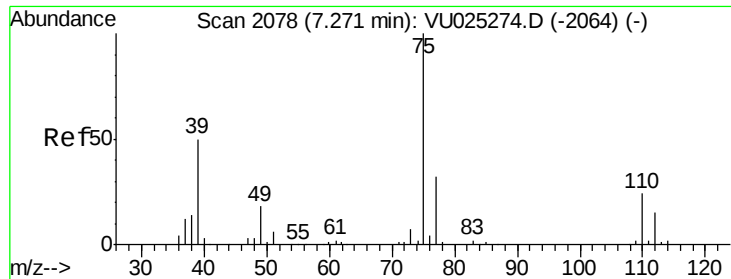
75 100

77 26.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU025278.D (-2270) (-)





#54

cis-1,3-Dichloropropene

Concen: 1.03 ug/l

RT: 7.28 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

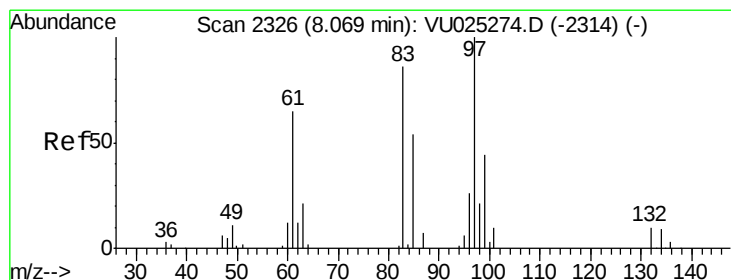
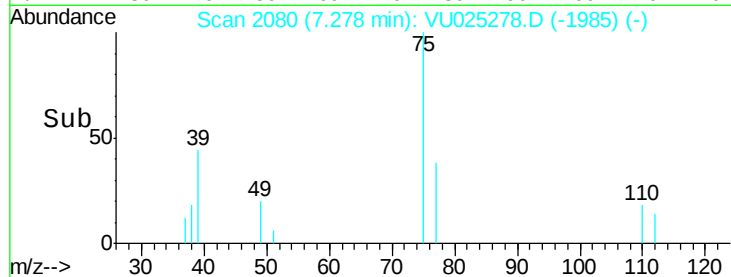
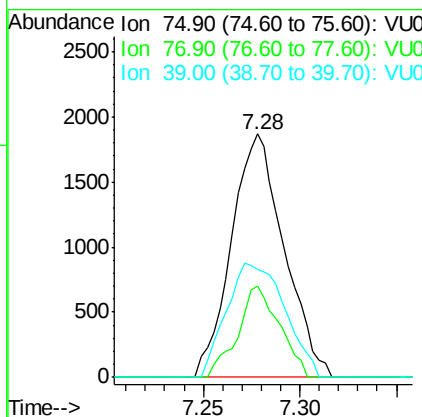
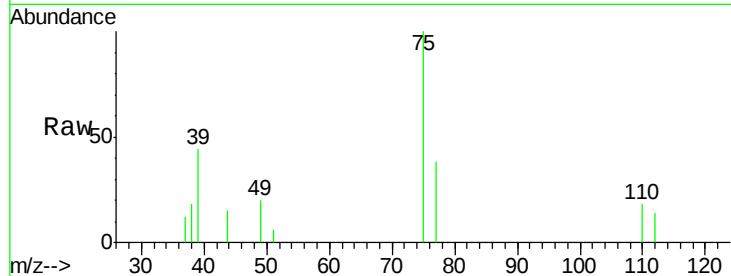
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	3534
Ion	Ratio	Lower	Upper
75	100		
77	37.5	25.6	38.4
39	44.2	40.0	60.0

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.18 ug/l

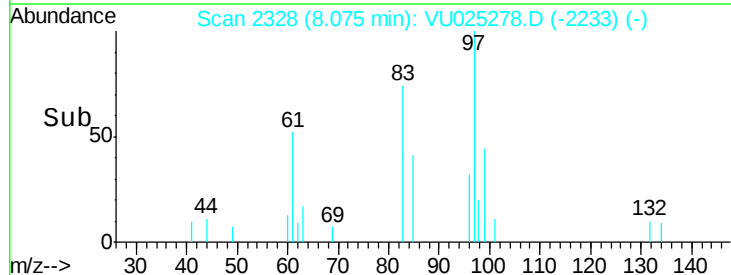
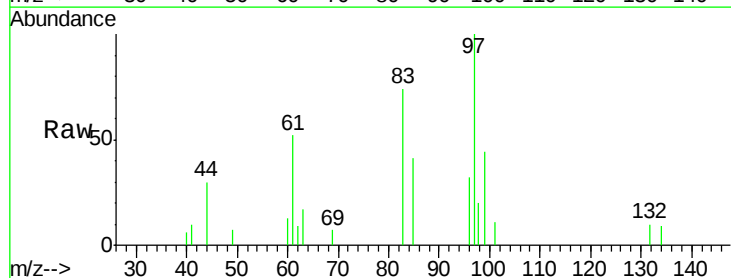
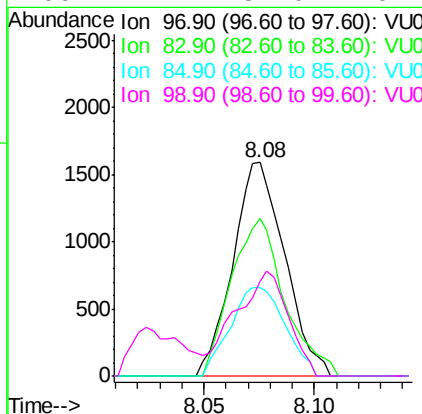
RT: 8.08 min Scan# 2328

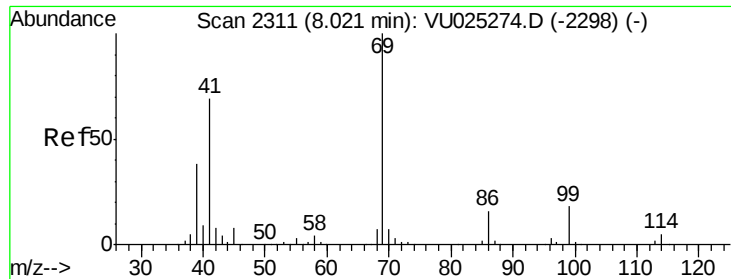
Delta R.T. 0.01 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Tgt Ion:	97	Resp:	2592
Ion	Ratio	Lower	Upper
97	100		
83	73.7	68.9	103.3
85	41.4	44.4	66.6#
99	44.1	51.0	76.4#





#56

Ethyl methacrylate

Concen: 1.06 ug/l

RT: 8.02 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

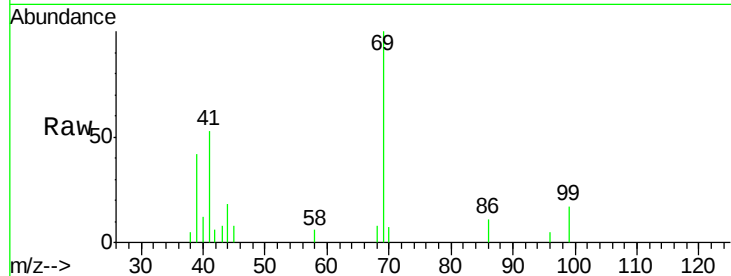
ClientSampleId :

VSTDIC001

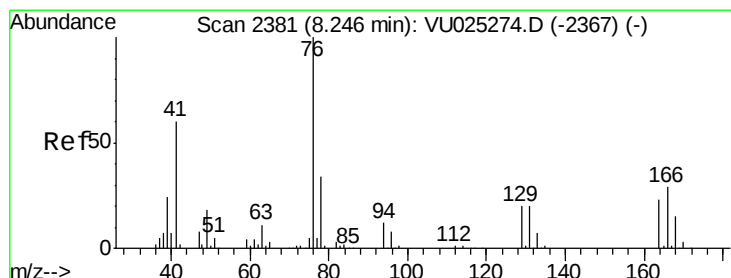
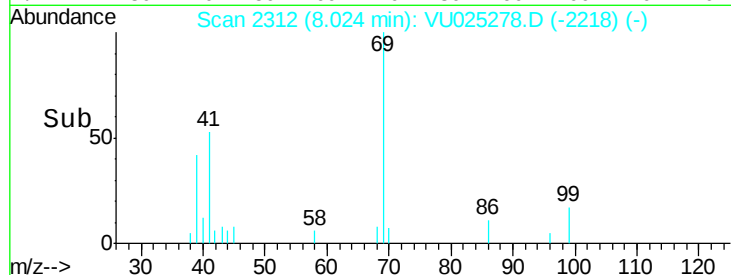
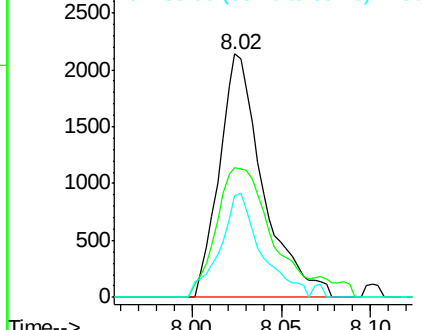
Tot Ion:	69	Resp:	3639
Ion	Ratio	Lower	Upper
69	100		
41	66.1	54.8	82.2
39	40.3	31.1	46.7

Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VU025278.D (-2218) (-)



#57

1,3-Dichloropropane

Concen: 1.07 ug/l

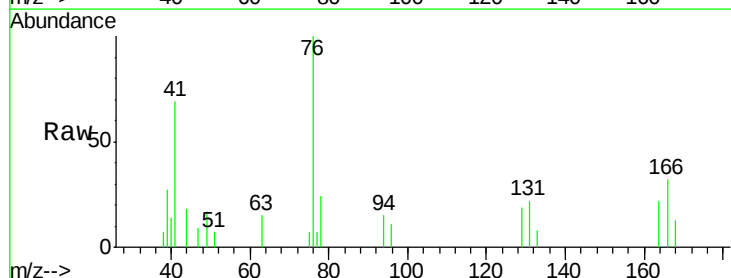
RT: 8.25 min Scan# 2382

Delta R.T. 0.00 min

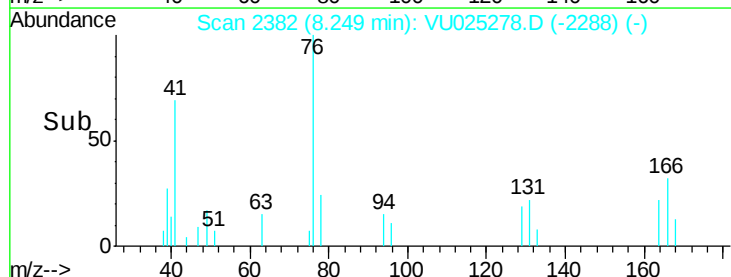
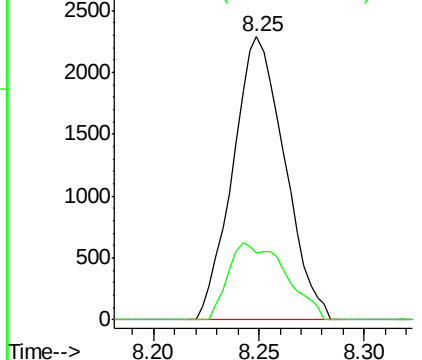
Lab File: VU025278.D

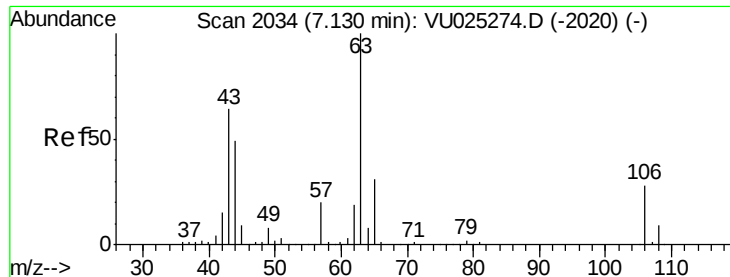
Acq: 09 Jul 2018 17:01

Tgt Ion:	76	Resp:	3897
Ion	Ratio	Lower	Upper
76	100		
78	30.1	26.1	39.1



Abundance Ion 75.90 (75.60 to 76.60): VU025278.D (-2288) (-)





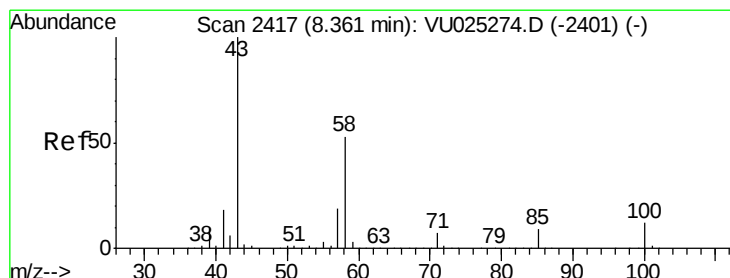
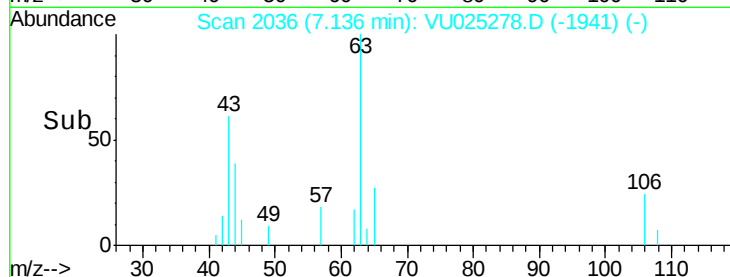
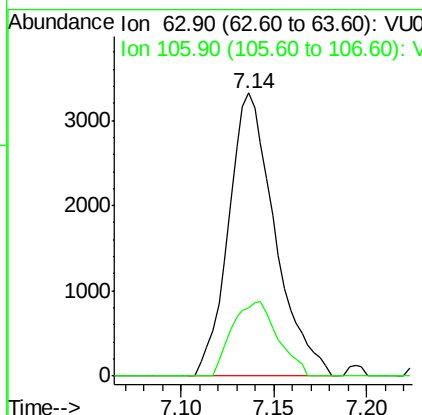
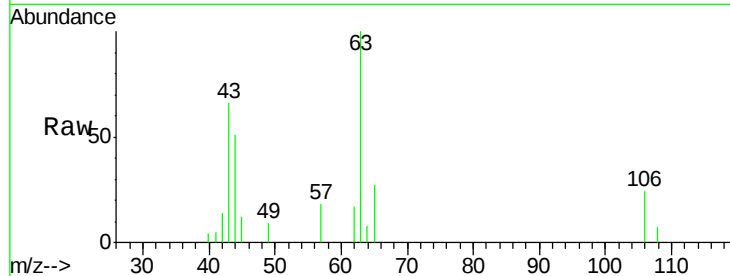
#58
2-Chloroethyl Vinyl ether
Concen: 4.74 ug/l
RT: 7.14 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 5749
Ion Ratio Lower Upper
63 100
106 26.0 22.3 33.5

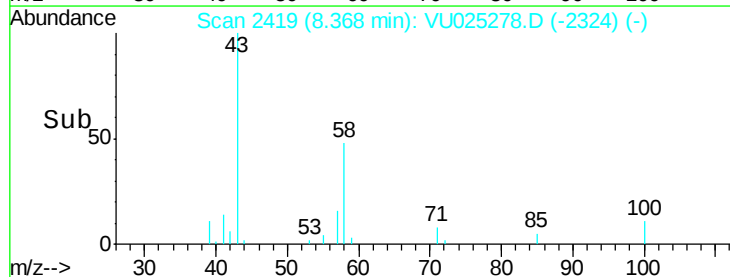
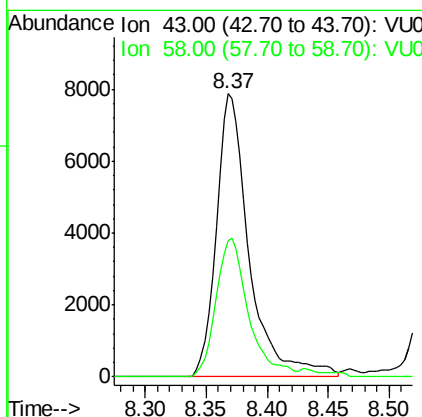
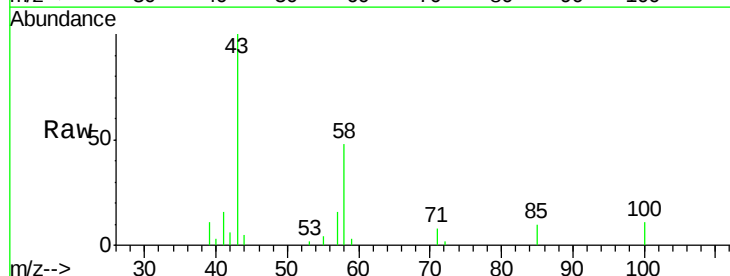
Manual Integrations
APPROVED

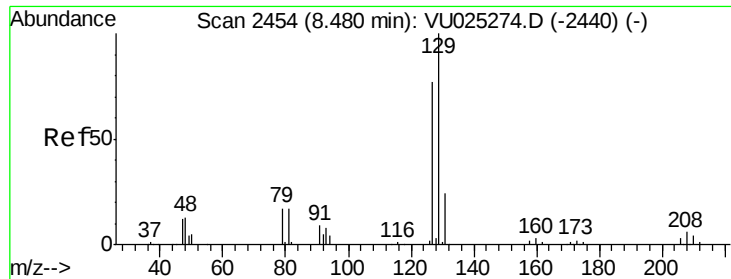
MMDadoda
7/10/2018 2:33:50 PM



#59
2-Hexanone
Concen: 5.47 ug/l
RT: 8.37 min Scan# 2419
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion: 43 Resp: 14835
Ion Ratio Lower Upper
43 100
58 48.4 26.2 78.5





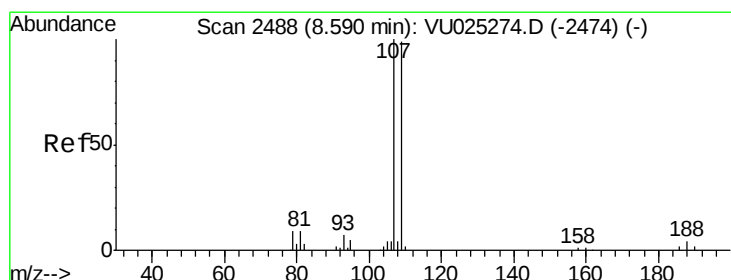
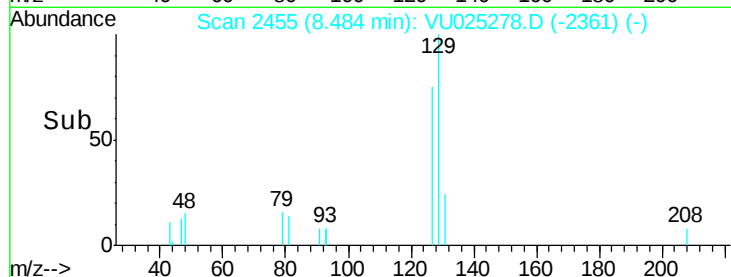
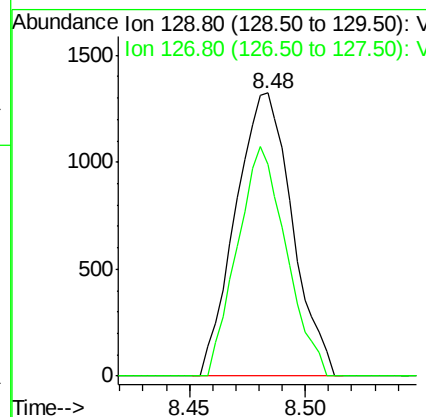
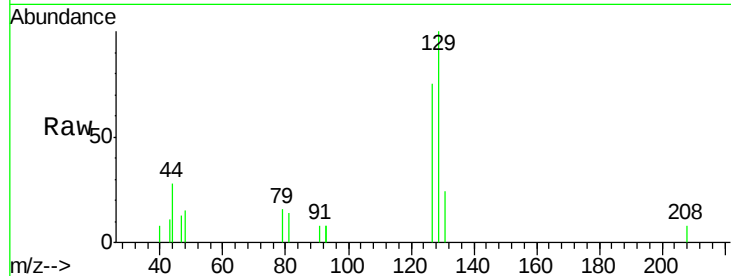
#60
 Dibromochloromethane
 Concen: 0.95 ug/l
 RT: 8.48 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	70.1	38.6	115.8

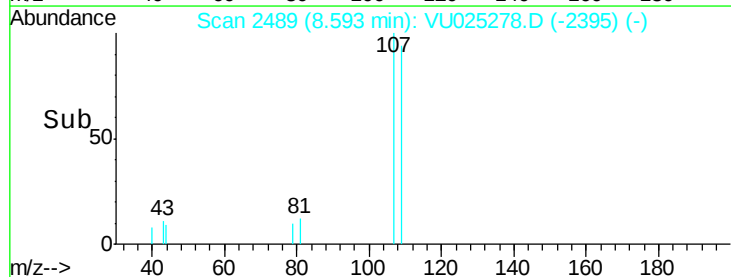
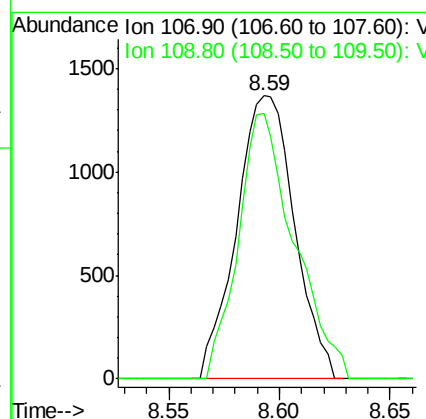
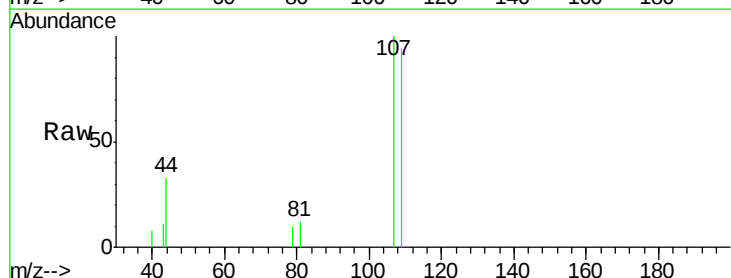
Manual Integrations
 APPROVED

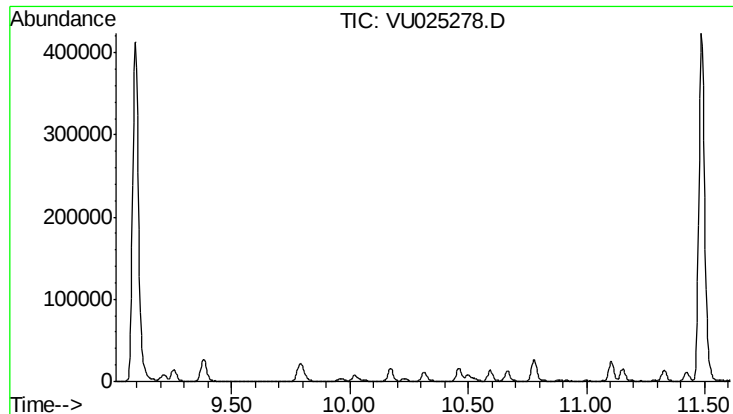
MMDadoda
 7/10/2018 2:33:50 PM



#61
 1,2-Dibromoethane
 Concen: 1.06 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.9	75.8	113.8





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 10.31 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Tot Ion: 95

Sig Exp Ratio

95 100

174 86.1

176 81.3

Instrument :

MSVOA_U

ClientSampleId :

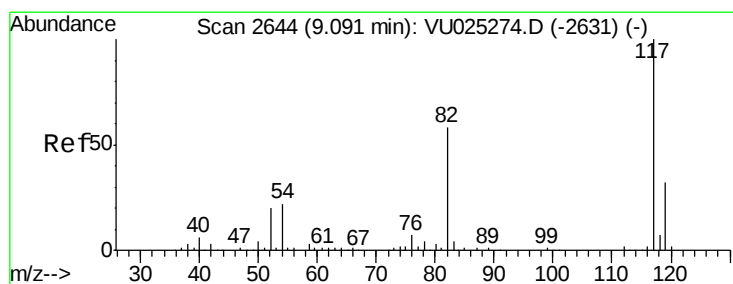
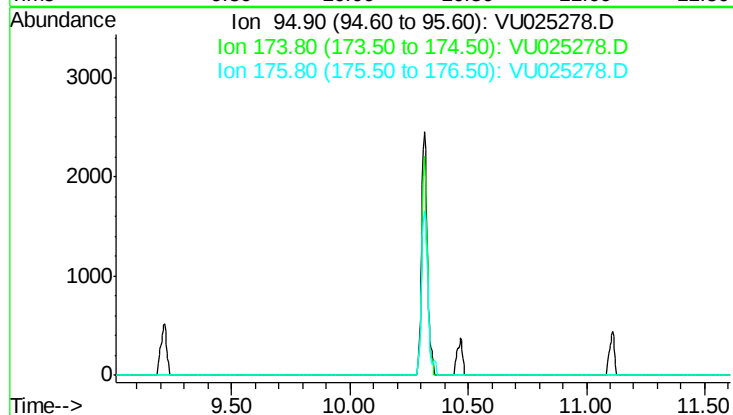
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

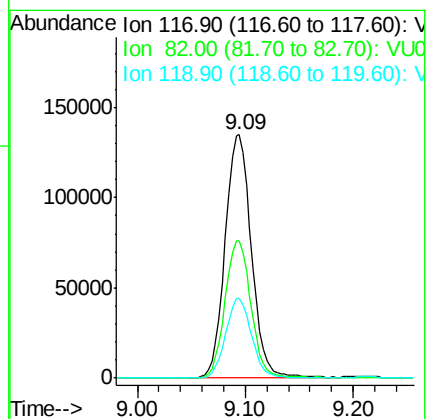
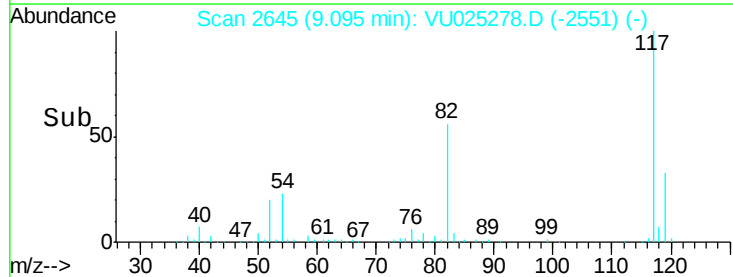
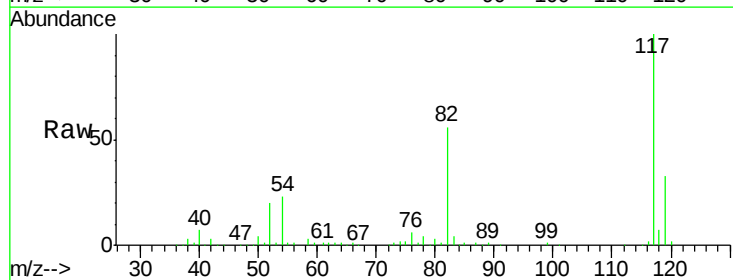
Tgt Ion: 117 Resp: 230070

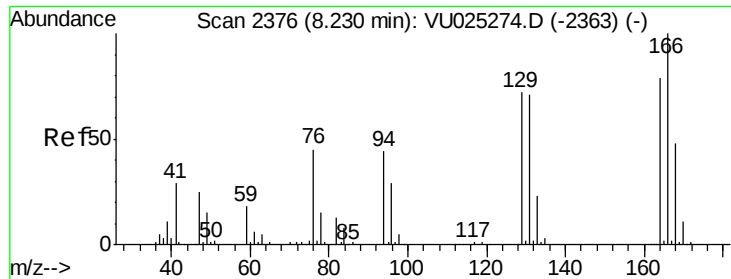
Ion Ratio Lower Upper

117 100

82 56.3 46.0 69.0

119 32.9 26.0 39.0





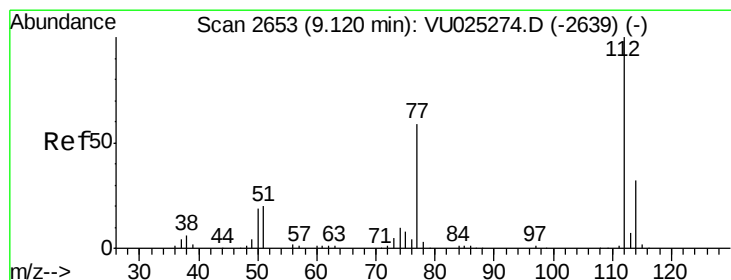
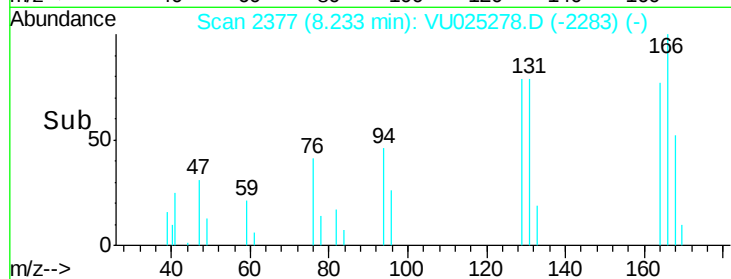
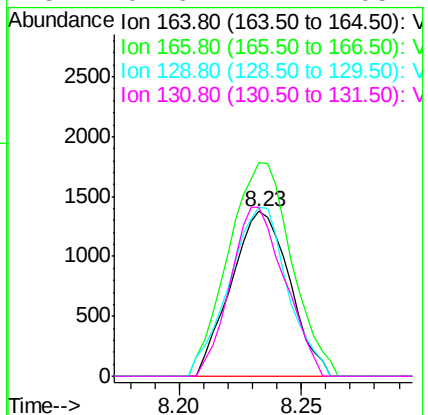
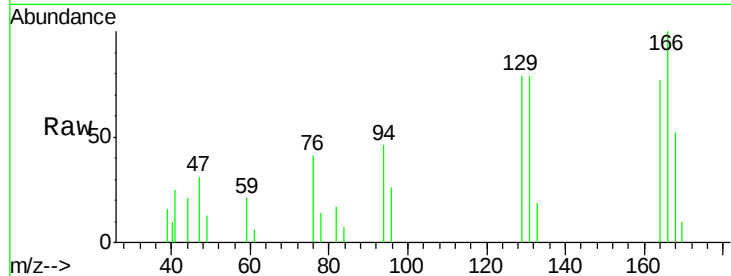
#64
Tetrachloroethene
Concen: 1.09 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.1	151.7
129	102.4	73.0	109.6
131	102.6	72.1	108.1

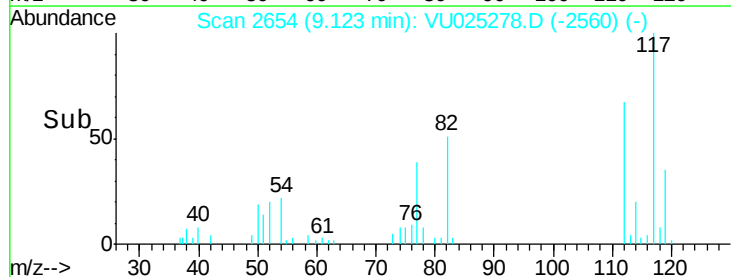
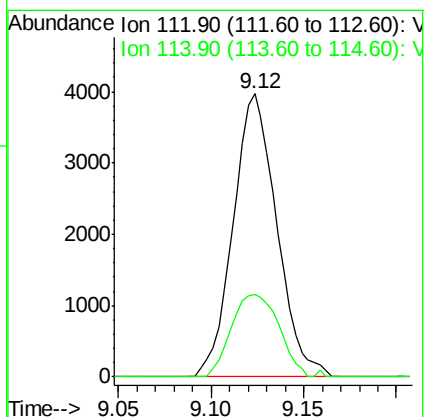
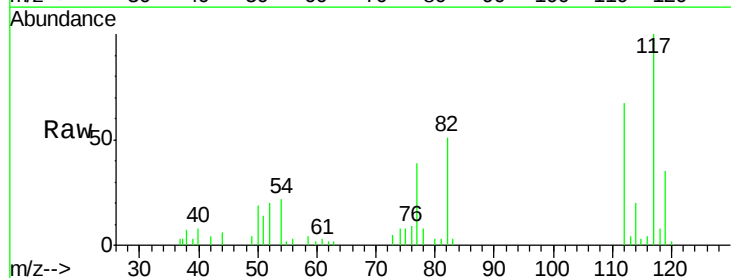
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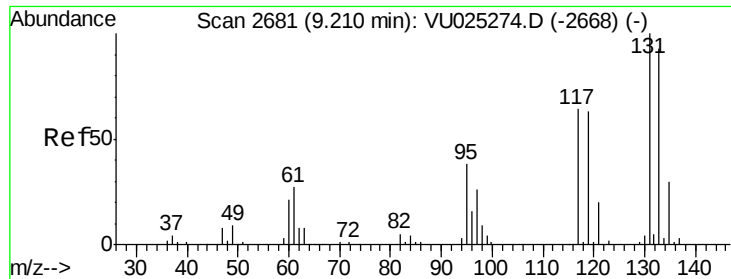
MMDadoda
7/10/2018 2:33:50 PM



#65
Chlorobenzene
Concen: 1.13 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.3	25.8	38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 1.02 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

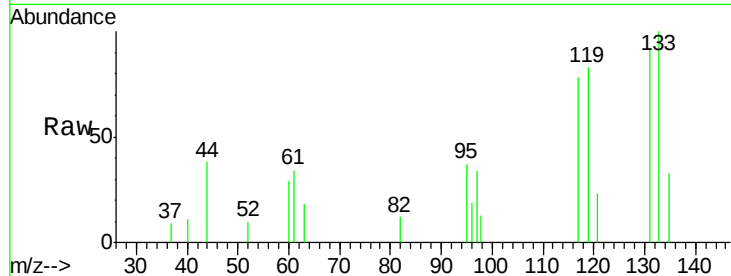
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.8	143.3
119	0.0	31.6	95.0

Manual Integrations
APPROVED

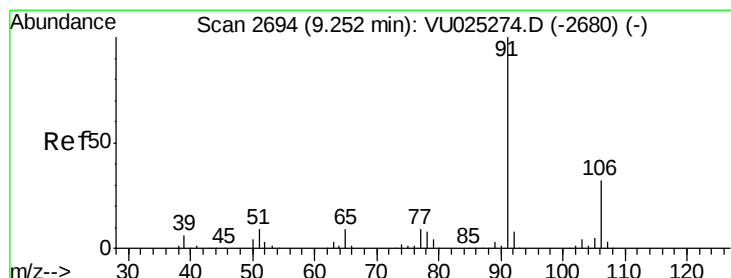
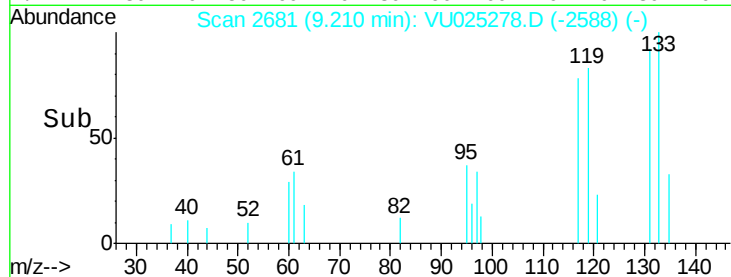
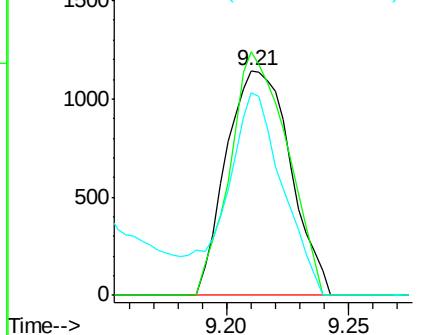
MMDadoda
7/10/2018 2:33:50 PM



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.11 ug/l

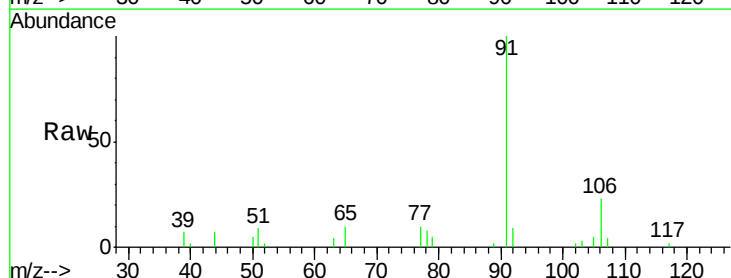
RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025278.D

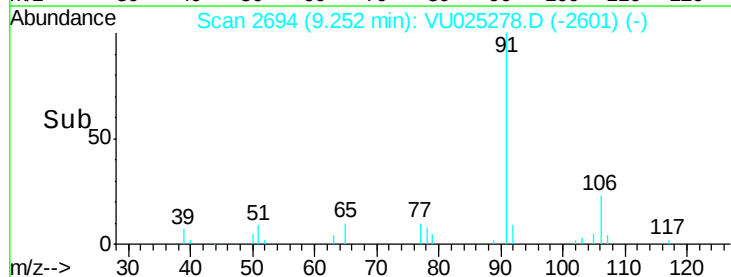
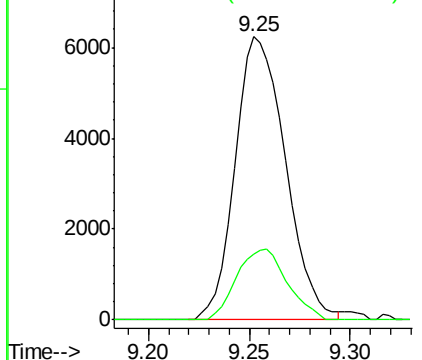
Acq: 09 Jul 2018 17:01

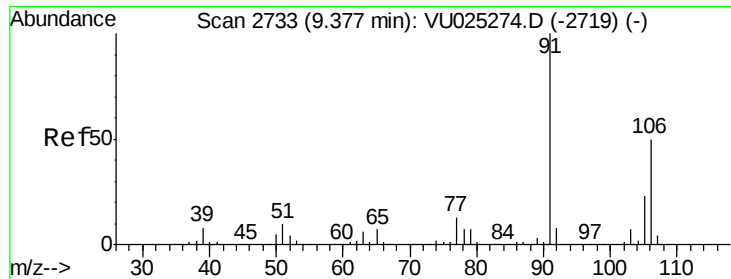
Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.1	25.3	37.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





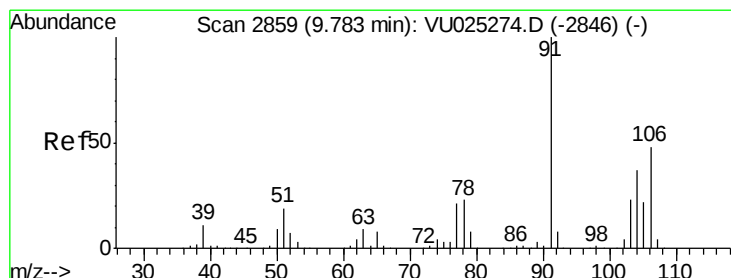
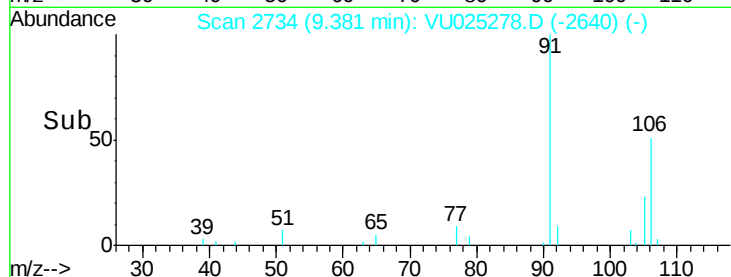
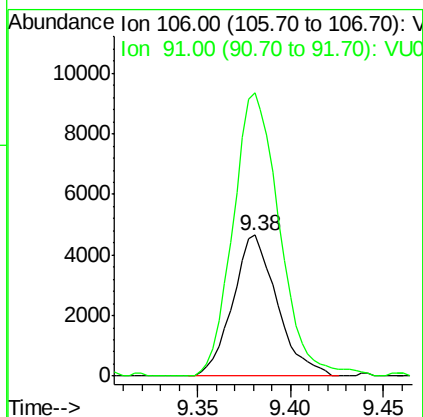
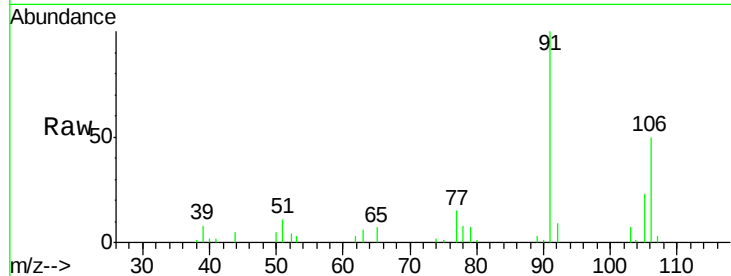
#68
m/p-Xylenes
Concen: 2.05 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 7747
Ion Ratio Lower Upper
106 100
91 210.8 162.3 243.5

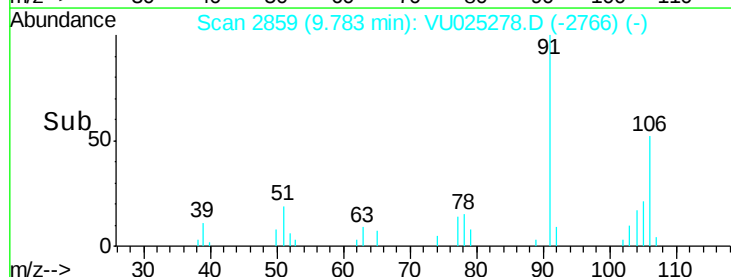
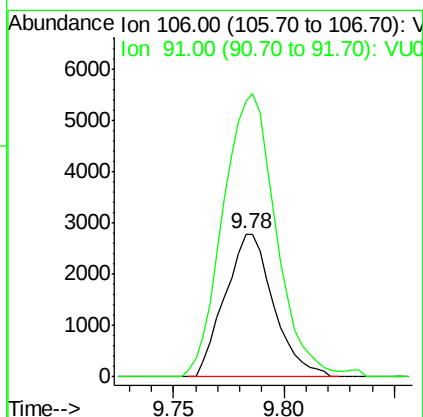
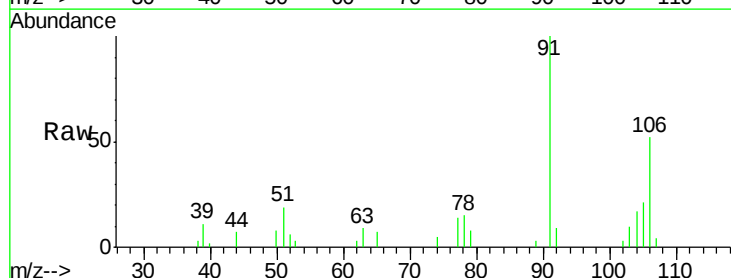
Manual Integrations
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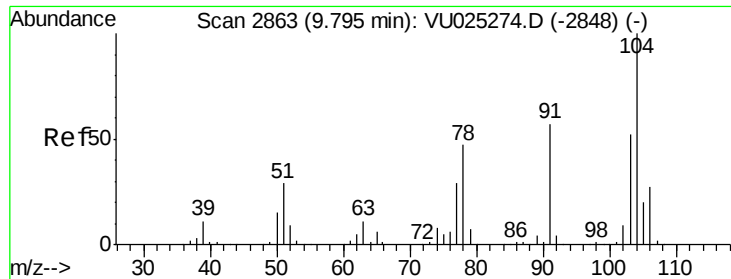
MMDadoda
7/10/2018 2:33:50 PM



#69
o-Xylene
Concen: 1.12 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion:106 Resp: 4261
Ion Ratio Lower Upper
106 100
91 215.8 105.3 315.8





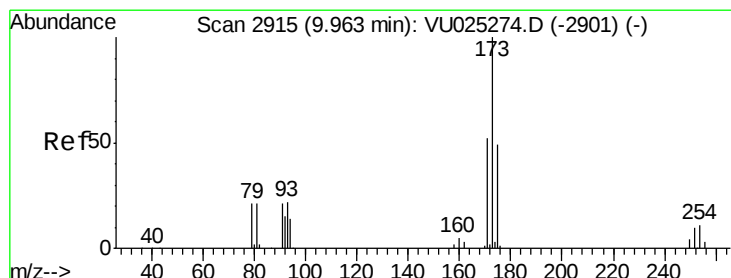
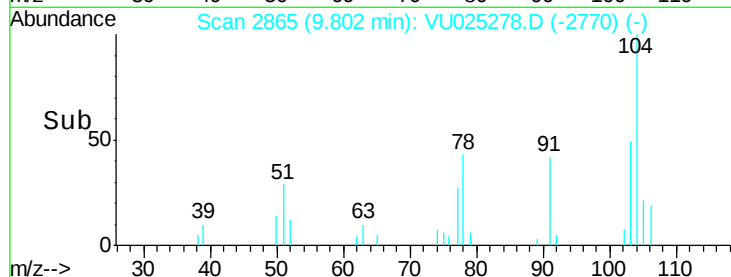
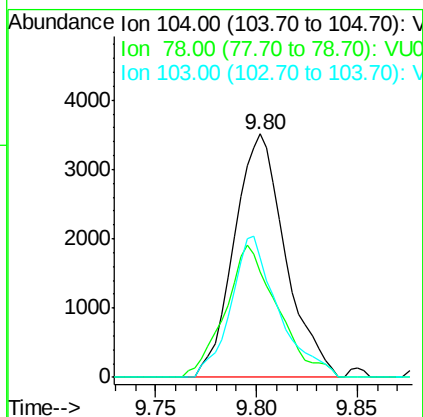
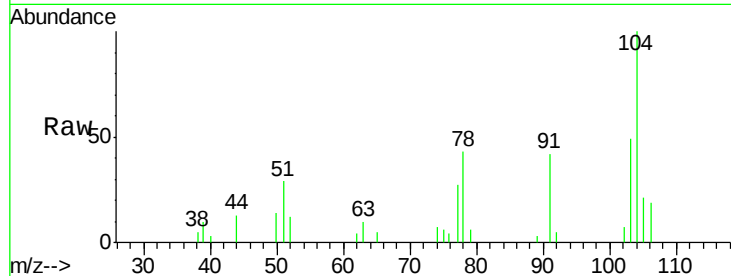
#70
Stvrene
Concen: 1.03 ug/l
RT: 9.80 min Scan# 2865
Delta R.T. 0.01 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	41.6	62.4
103	53.6	44.6	66.8

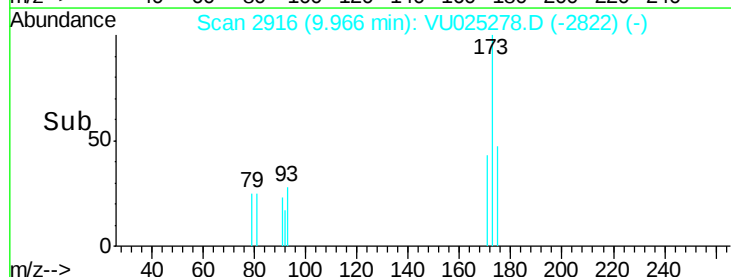
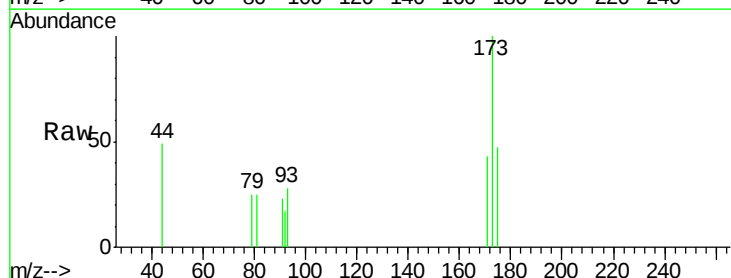
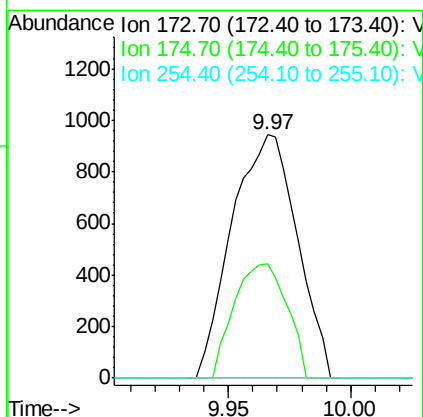
Manual Integrations
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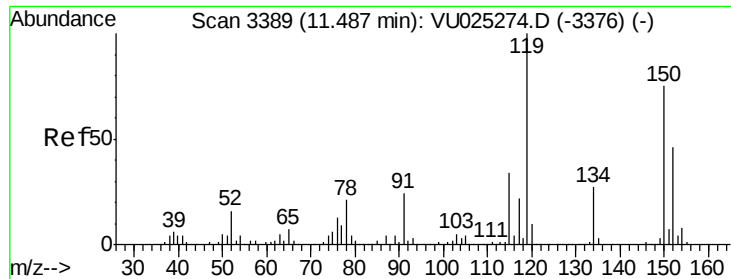
MMDadoda
7/10/2018 2:33:50 PM



#71
Bromoform
Concen: 0.98 ug/l
RT: 9.97 min Scan# 2916
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	38.2	24.0	72.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

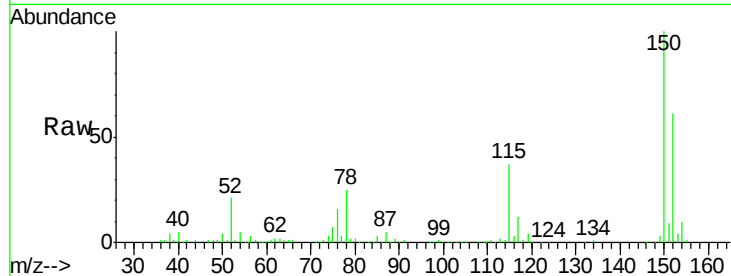
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	40.1	120.3
150	159.2	0.0	351.4

Manual Integrations
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7/10/2018 2:33:50 PM

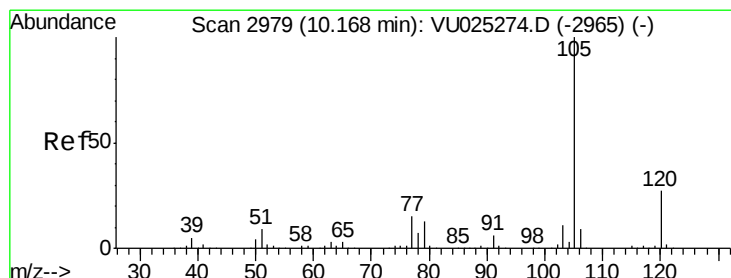
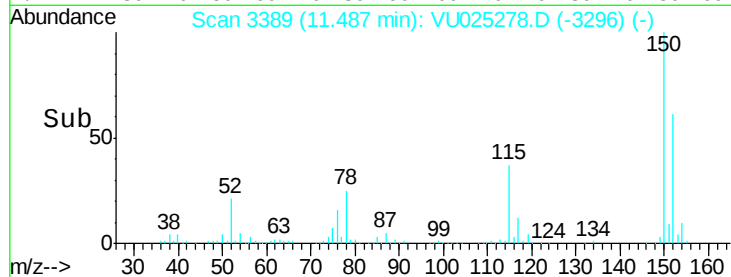
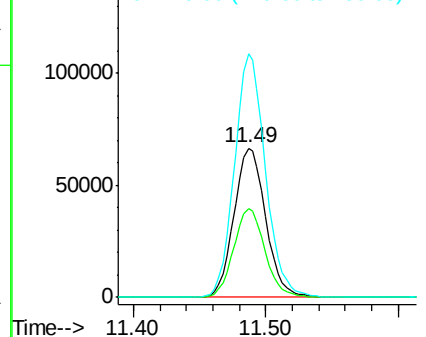


Abundance

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: 1.27 ug/l

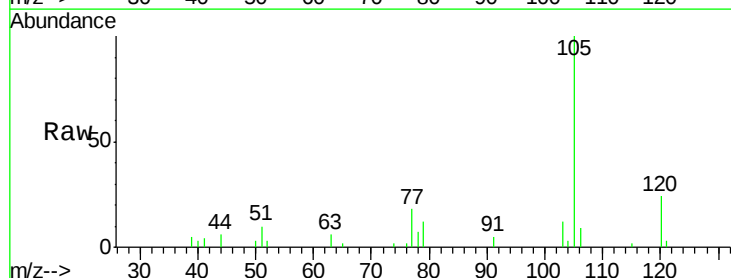
RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

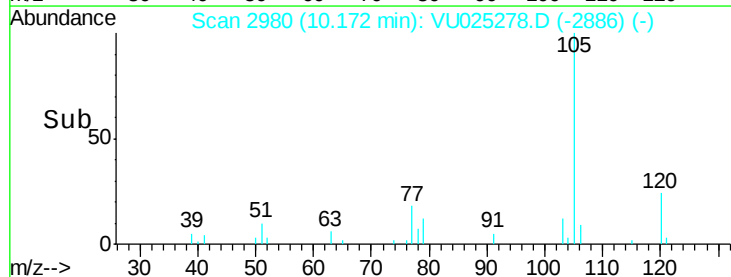
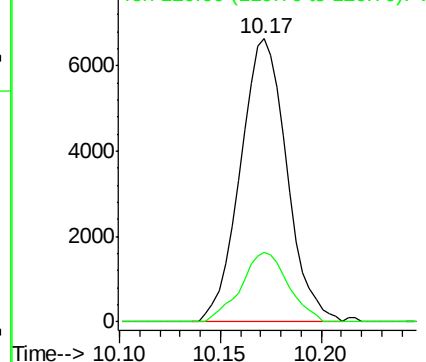
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	13.5	40.5

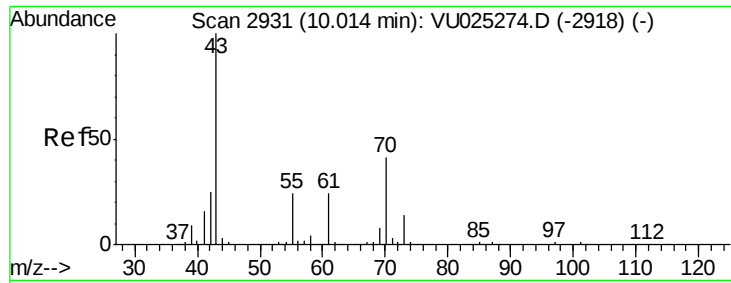


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.32 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 4834

Ion Ratio Lower Upper

43 100

70 39.0 33.4 50.2

55 25.5 19.0 28.6

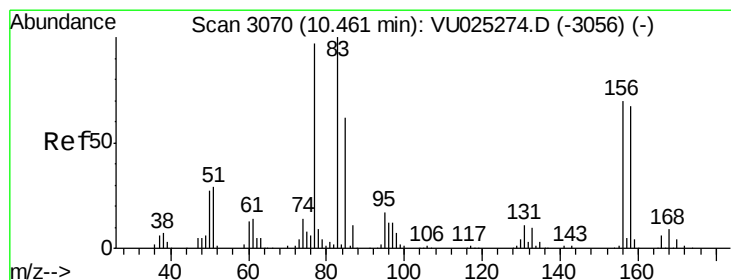
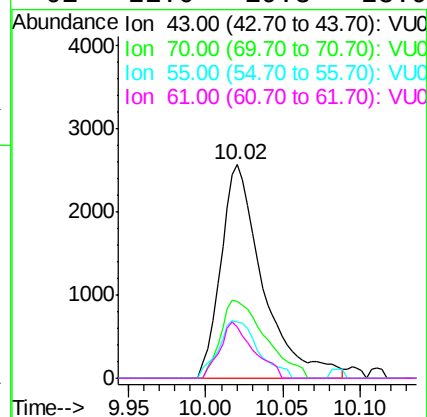
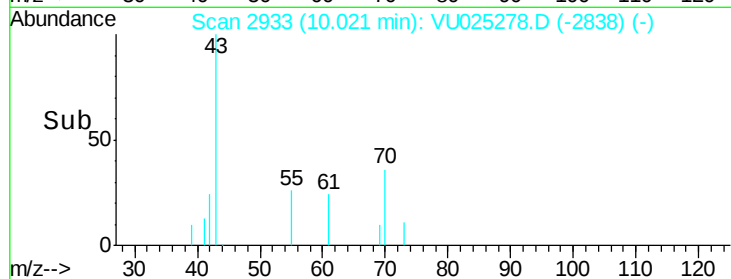
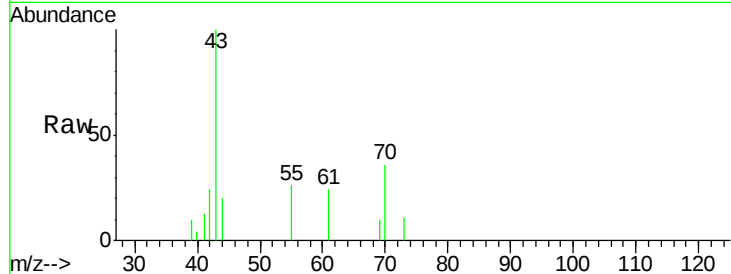
61 21.0 19.3 28.9

Manual Integrations

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.23 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

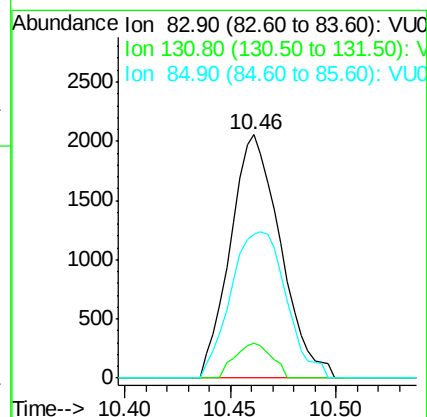
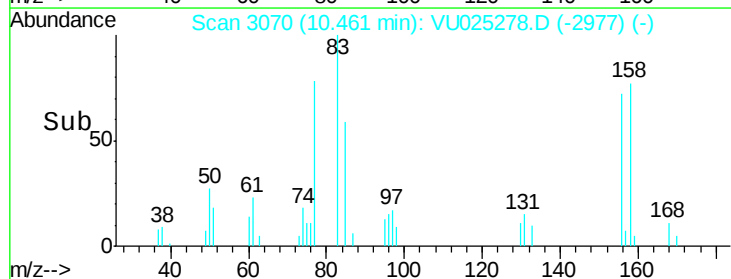
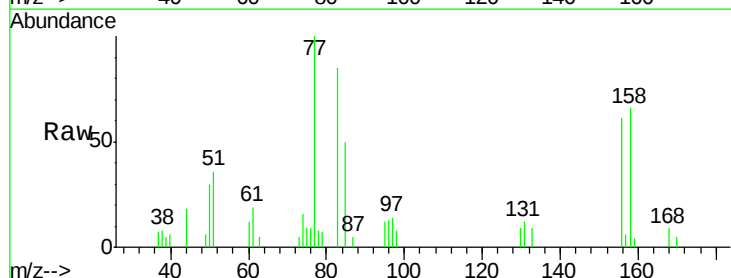
Tgt Ion: 83 Resp: 3398

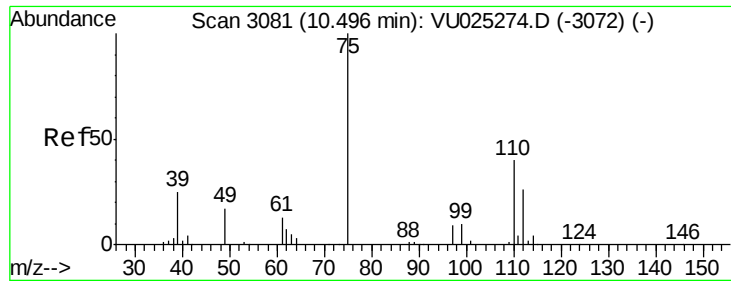
Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

85 66.5 31.6 94.8





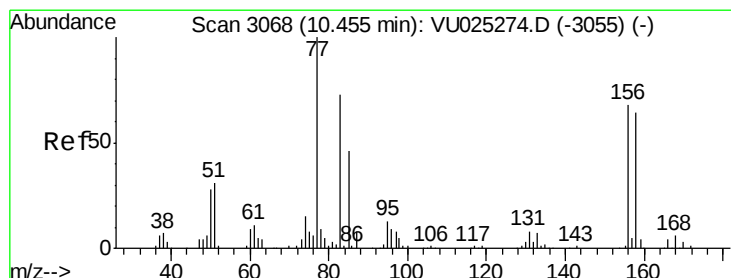
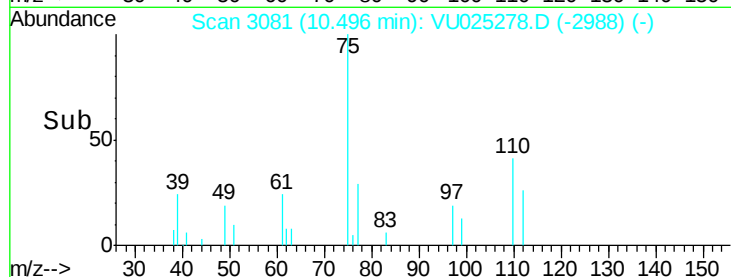
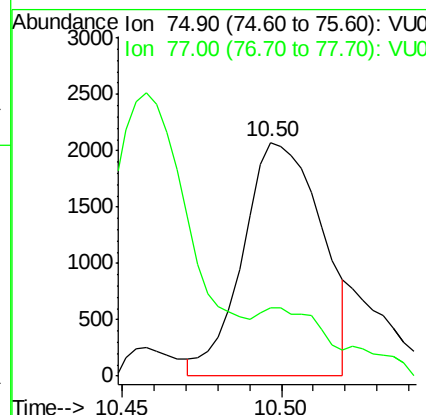
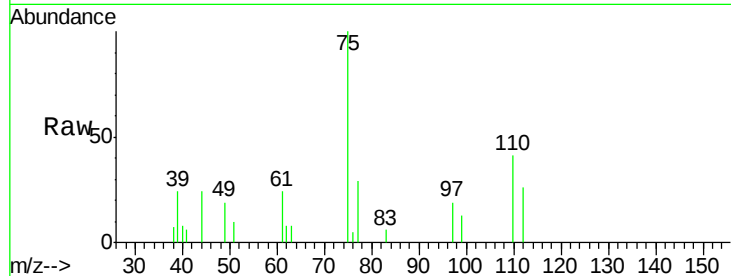
#76
1,2,3-Trichloropropane
Concen: 1.42 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 3531
Ion Ratio Lower Upper
75 100
77 5.7 20.4 61.3#

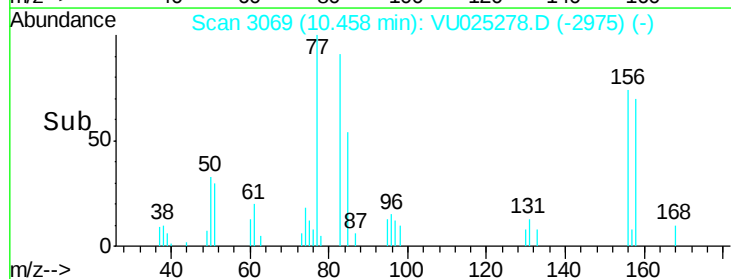
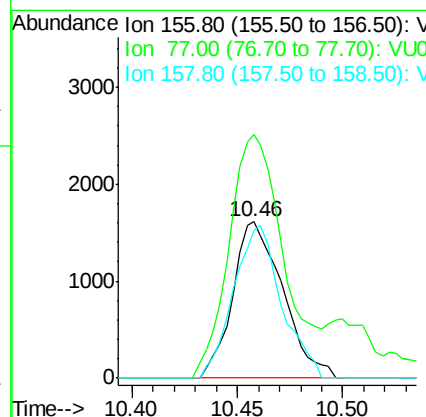
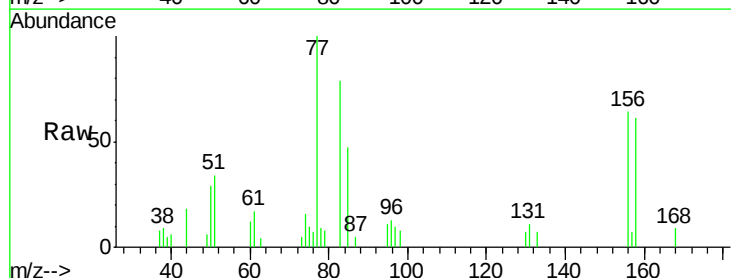
Manual Integrations
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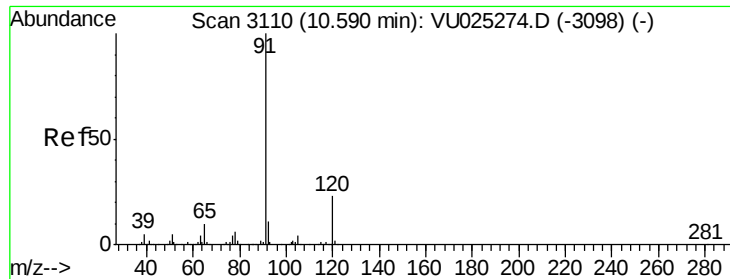
MMDadoda
7/10/2018 2:33:50 PM



#77
Bromobenzene
Concen: 1.23 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion: 156 Resp: 2667
Ion Ratio Lower Upper
156 100
77 170.0 73.8 221.4
158 93.0 48.0 144.0





#78

n-propylbenzene

Concen: 1.15 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 10761

Ion Ratio Lower Upper

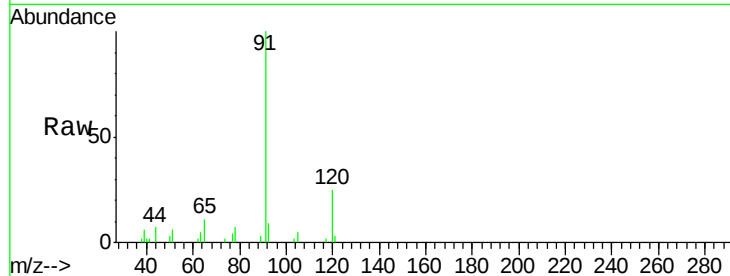
91 100

120 22.3 11.8 35.3

Manual Integrations
APPROVED

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7/10/2018 2:33:50 PM



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3098) (-)

8000

6000

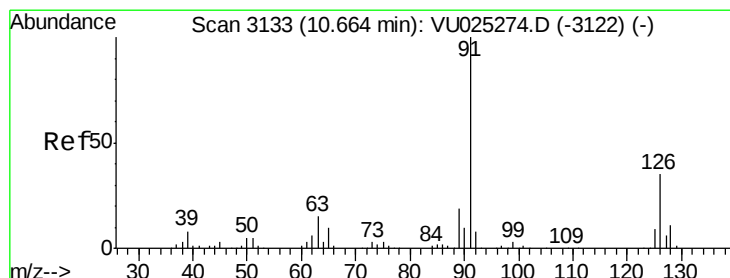
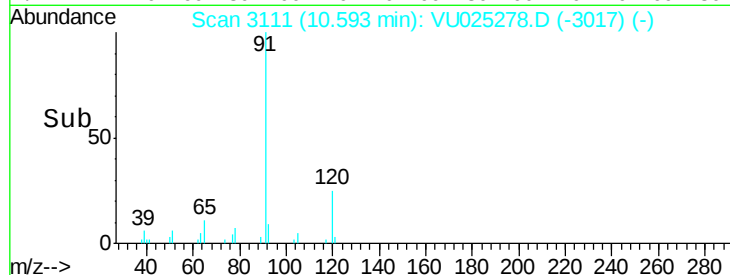
4000

2000

0

10.55 10.60 10.65

Time-->



#79

2-Chlorotoluene

Concen: 1.32 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025278.D

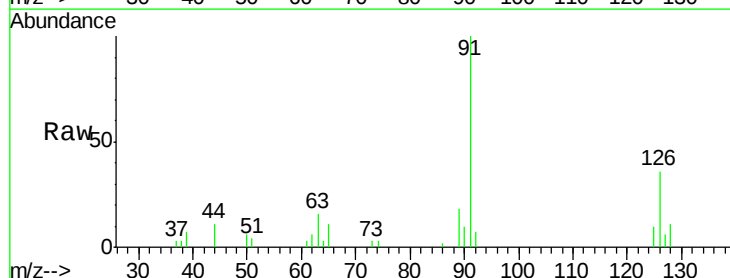
Acq: 09 Jul 2018 17:01

Tgt Ion: 91 Resp: 7760

Ion Ratio Lower Upper

91 100

126 31.2 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)

8000

6000

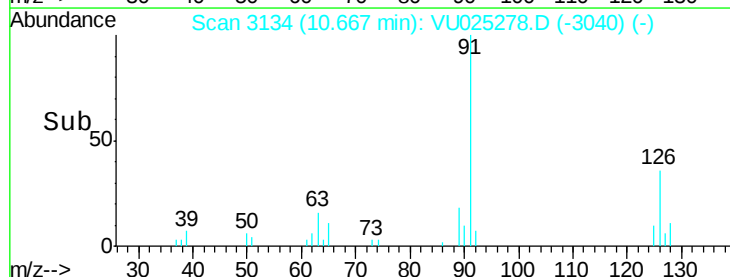
4000

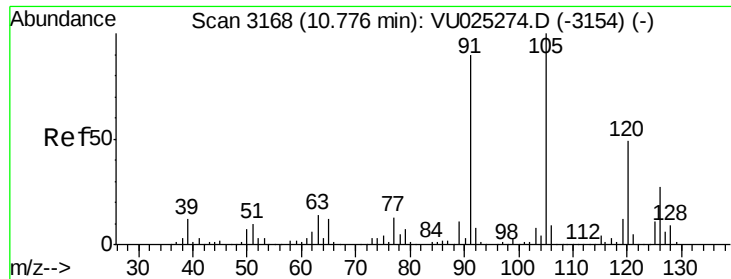
2000

0

10.60 10.65 10.70

Time-->





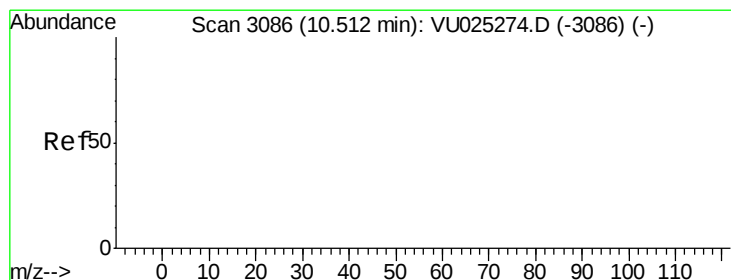
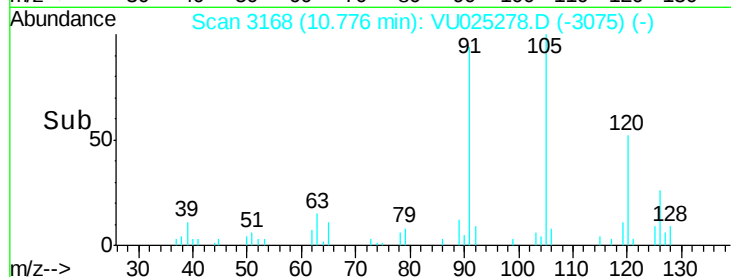
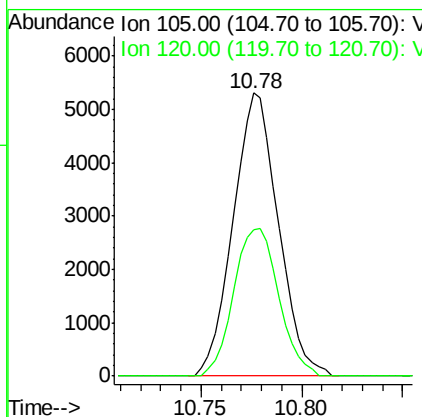
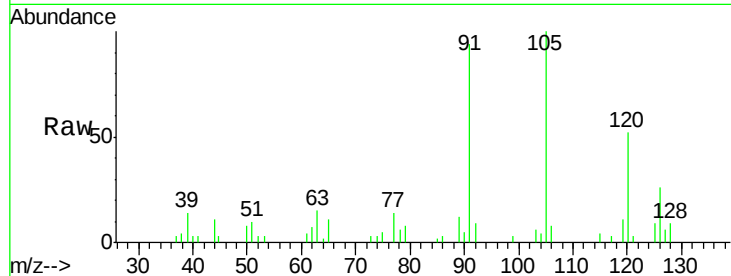
#80
 1,3,5-Trimethylbenzene
 Concen: 1.17 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 8312
 Ion Ratio Lower Upper
 105 100
 120 52.1 24.1 72.2

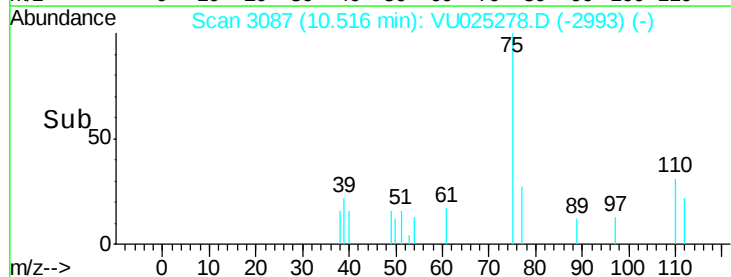
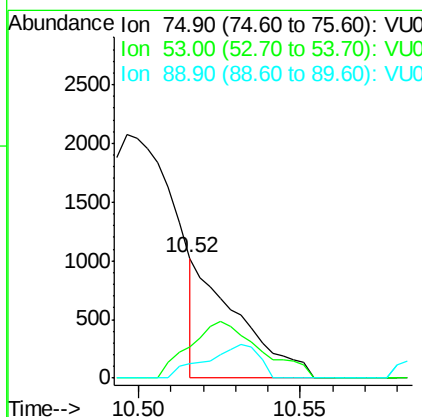
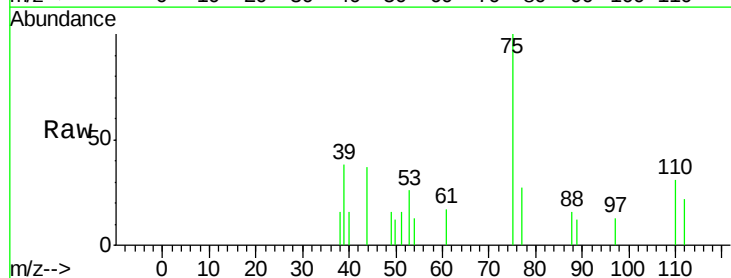
Manual Integrations
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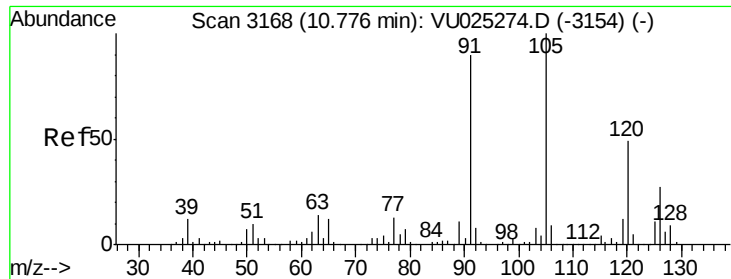
MMDadoda
 7/10/2018 2:33:50 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.03 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion: 75 Resp: 937
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





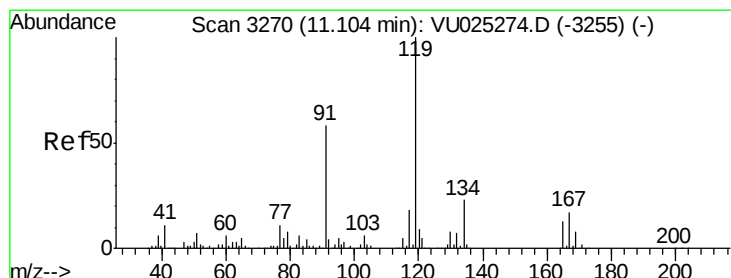
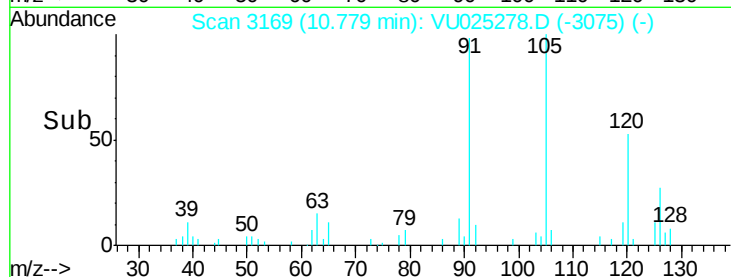
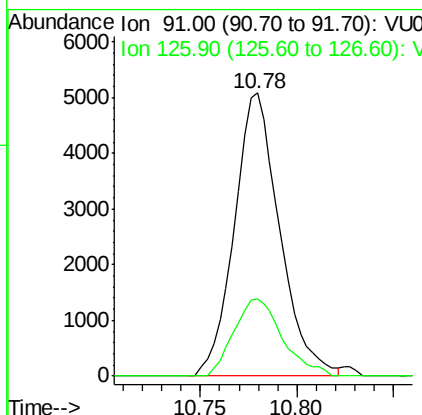
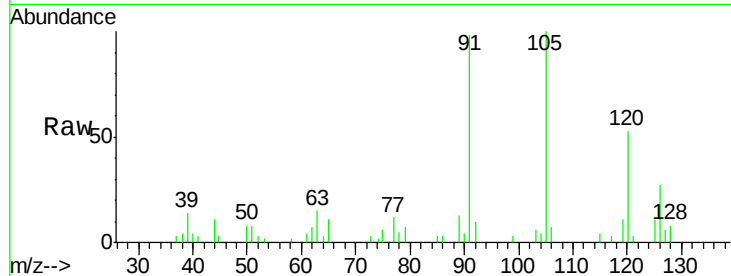
#82
4-Chlorotoluene
Concen: 1.25 ug/l
RT: 10.78 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.0	15.3	45.9

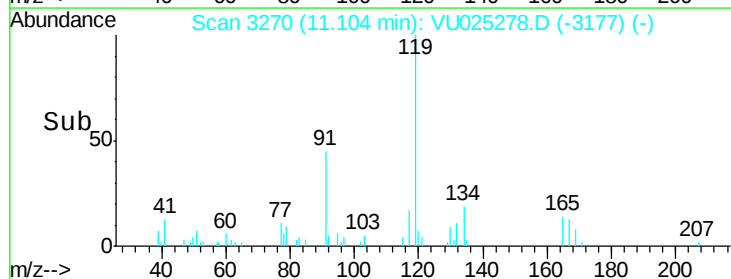
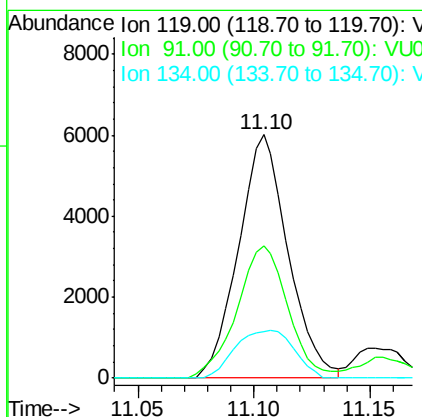
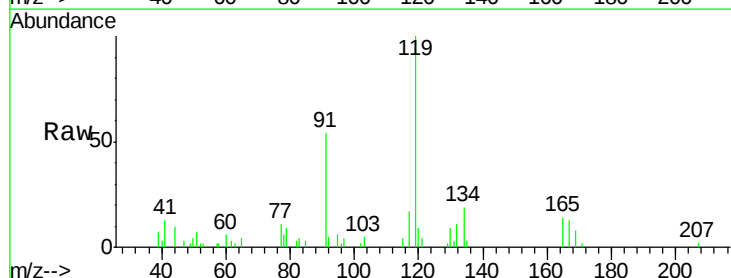
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APPROVED

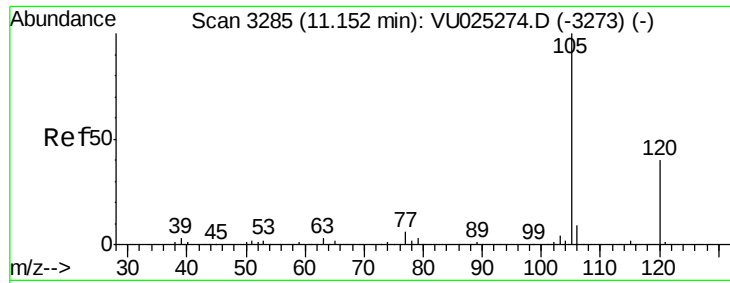
MMDadoda
7/10/2018 2:33:50 PM



#83
tert-Butylbenzene
Concen: 1.24 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.6	29.7	89.1
134	23.2	11.5	34.5





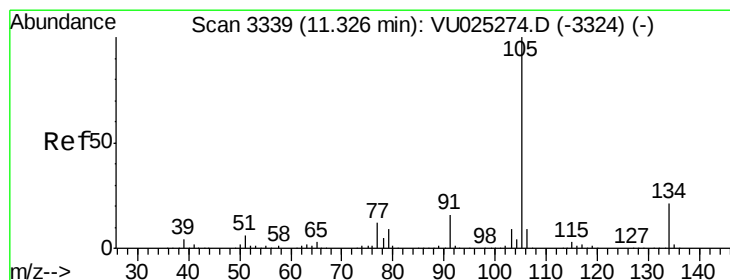
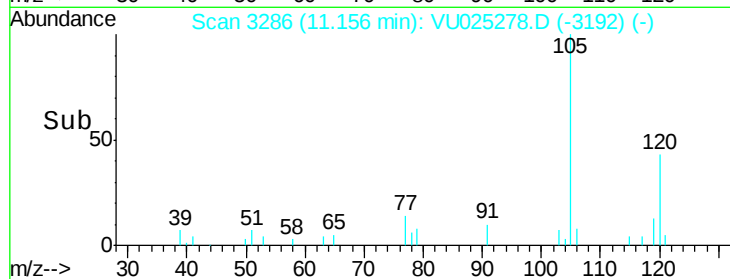
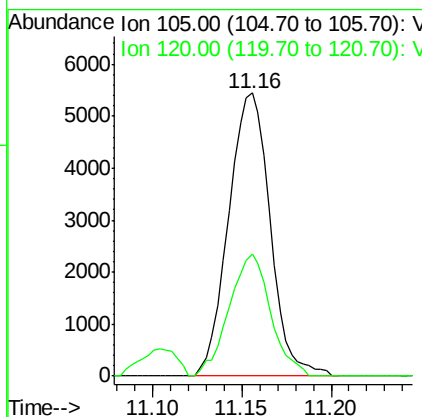
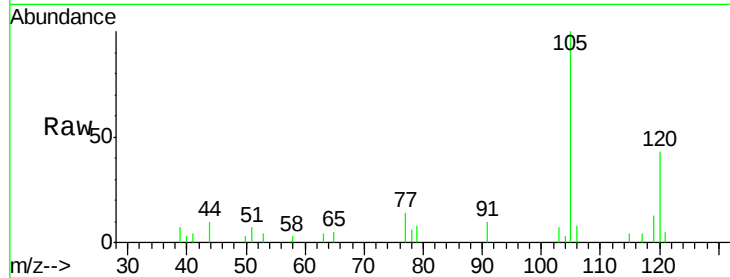
#84
 1,2,4-Trimethylbenzene
 Concen: 1.22 ug/l
 RT: 11.16 min Scan# 3286
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 8862
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.3 66.8

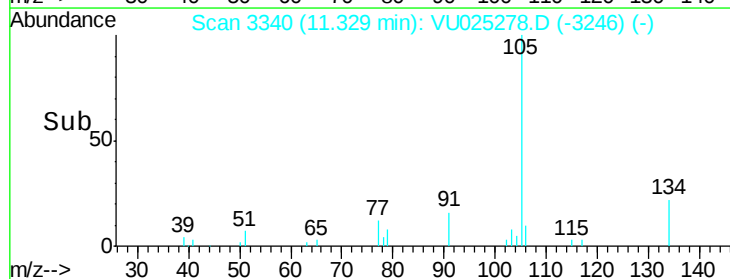
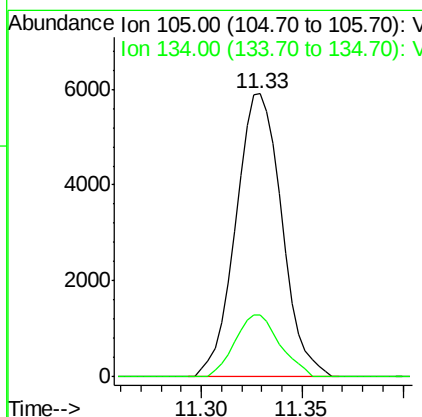
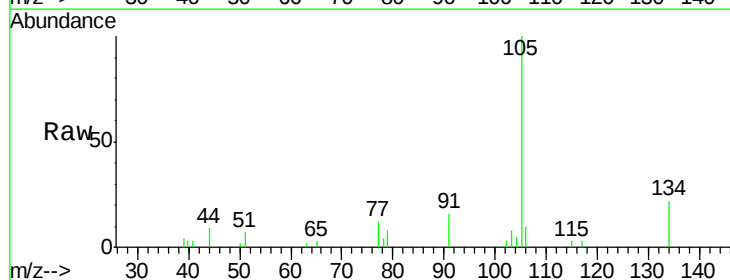
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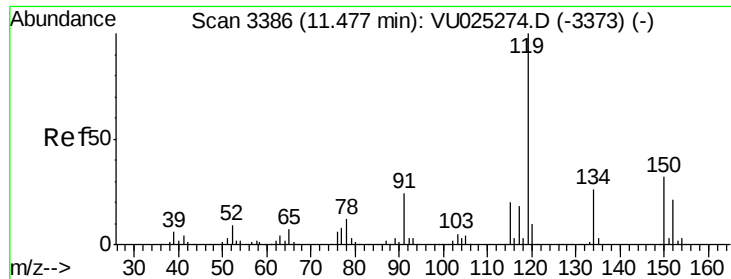
MMDadoda
 7/10/2018 2:33:50 PM



#85
 sec-Butylbenzene
 Concen: 1.11 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion:105 Resp: 9418
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.3 30.8





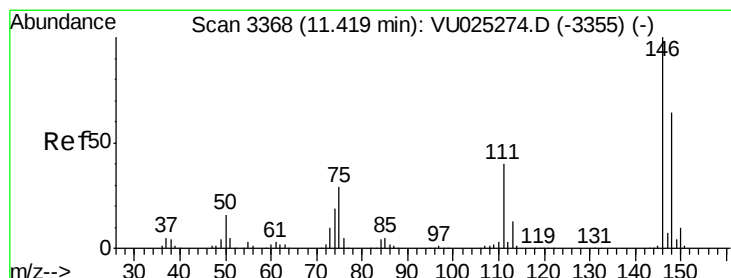
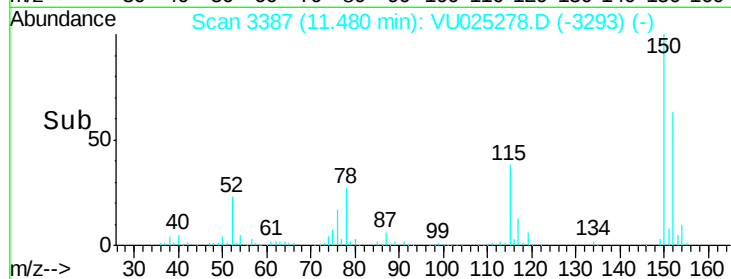
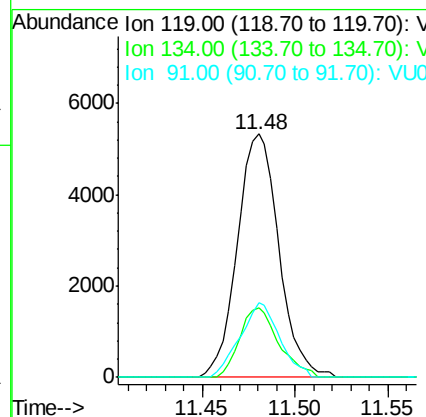
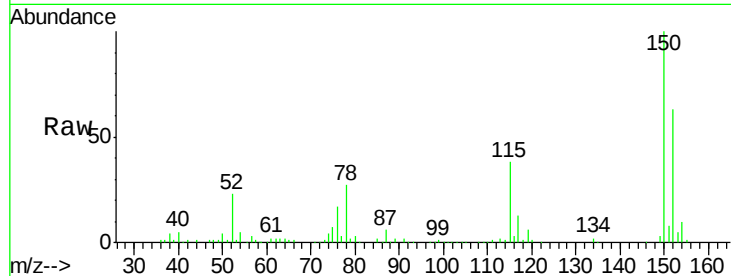
#86
 p-Isopropyltoluene
 Concen: 1.11 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.2	39.5
91	29.1	12.0	36.1

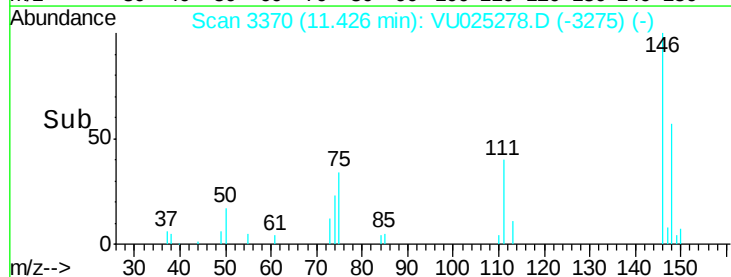
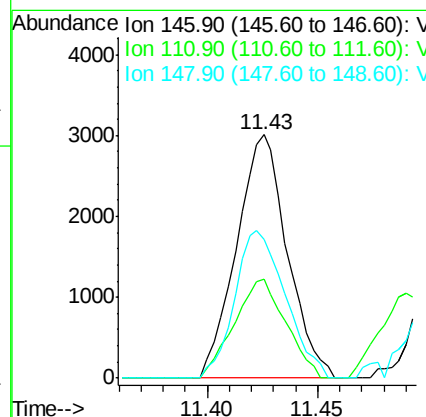
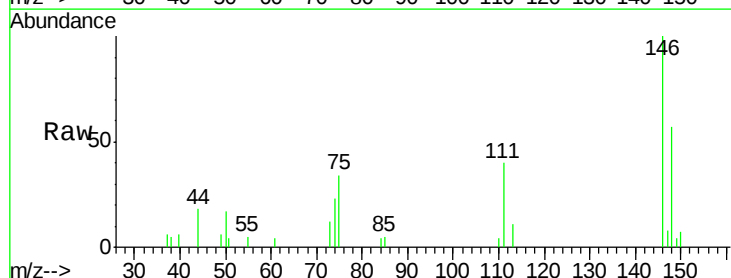
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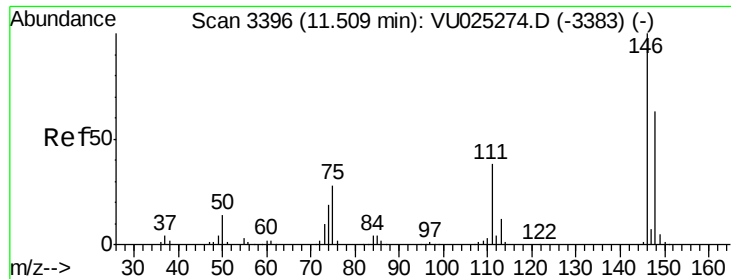
MMDadoda
 7/10/2018 2:33:50 PM



#87
 1,3-Dichlorobenzene
 Concen: 1.21 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.7	59.1
148	60.9	32.1	96.3





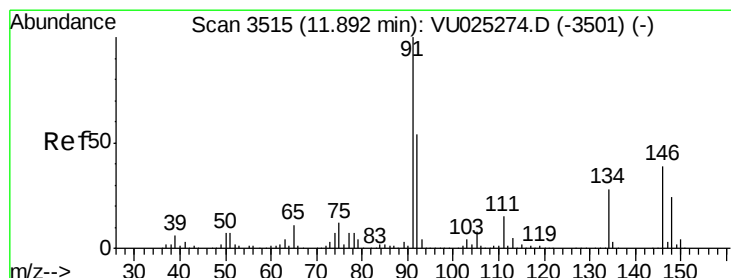
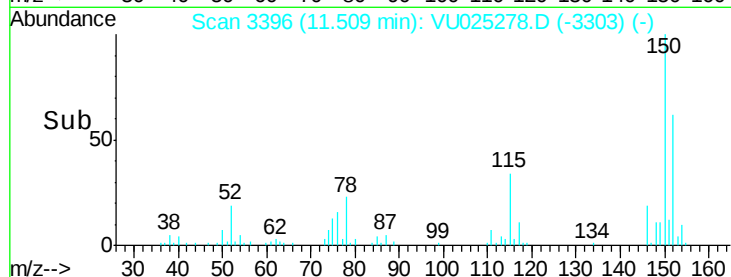
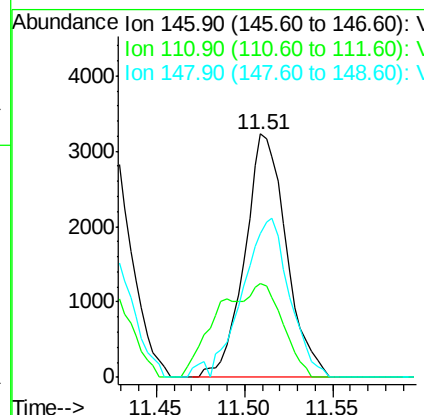
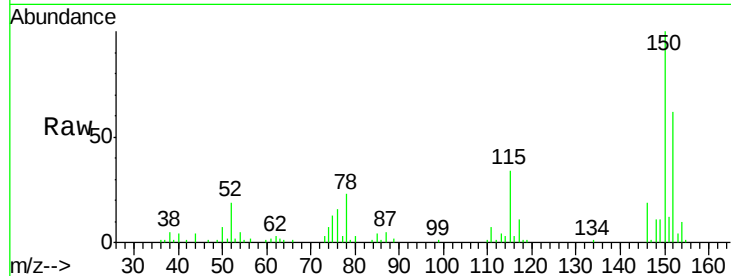
#88
 1,4-Dichlorobenzene
 Concen: 1.30 ug/l m
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.4	58.1
148	55.2	31.7	95.1

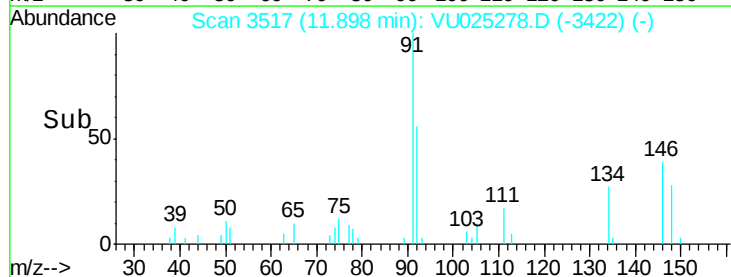
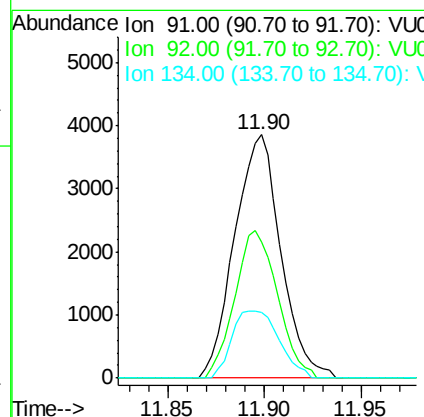
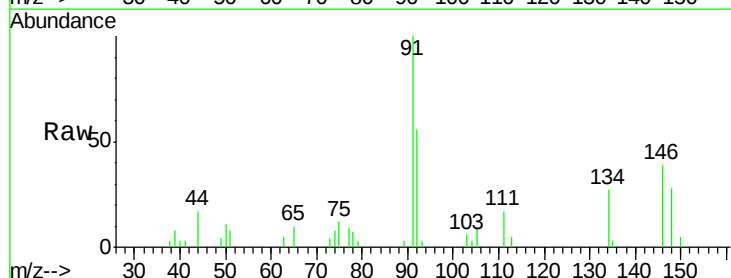
Manual Integrations
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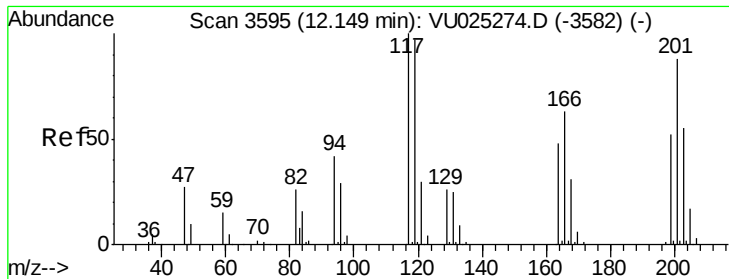
MMDadoda
 7/10/2018 2:33:50 PM



#89
 n-Butylbenzene
 Concen: 1.04 ug/l
 RT: 11.90 min Scan# 3517
 Delta R.T. 0.01 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	26.5	79.5
134	28.2	13.6	40.7





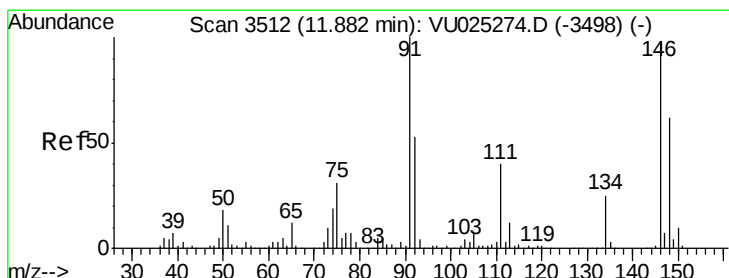
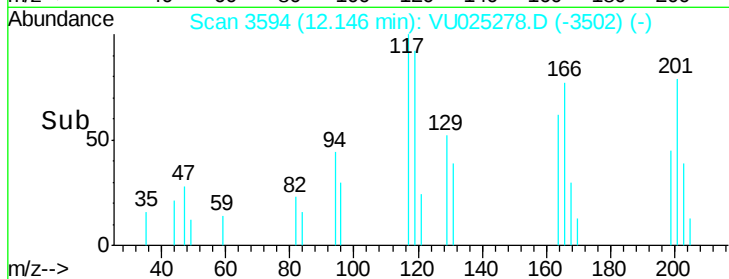
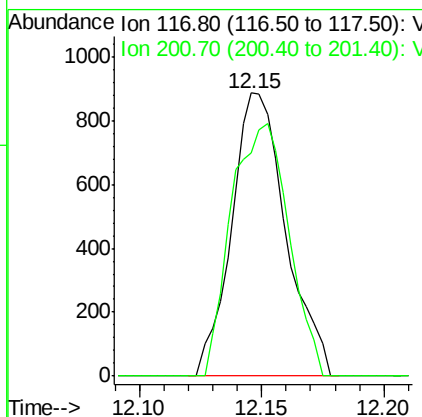
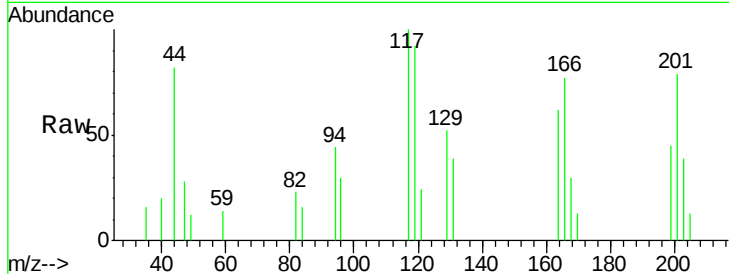
#90
Hexachloroethane
Concen: 1.08 ug/l
RT: 12.15 min Scan# 3594
Delta R.T. -0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 1366
Ion Ratio Lower Upper
117 100
201 94.7 42.5 127.6

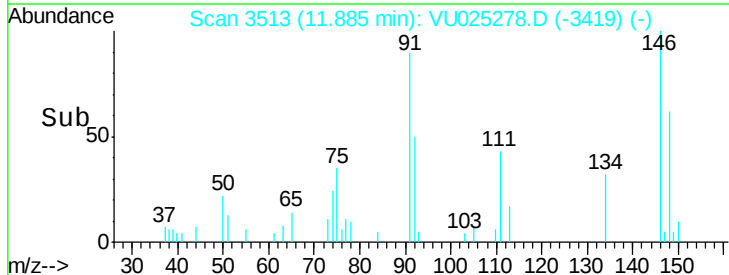
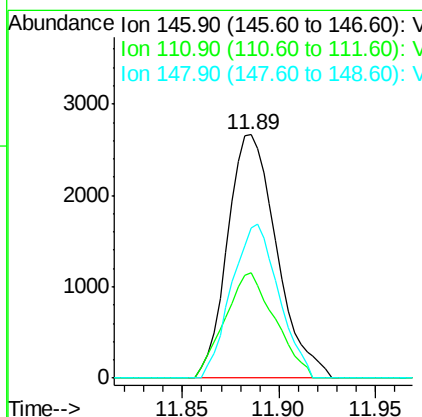
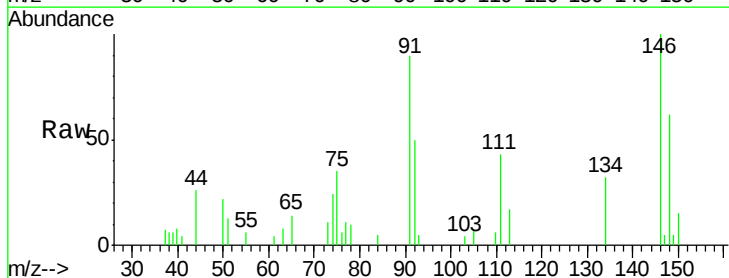
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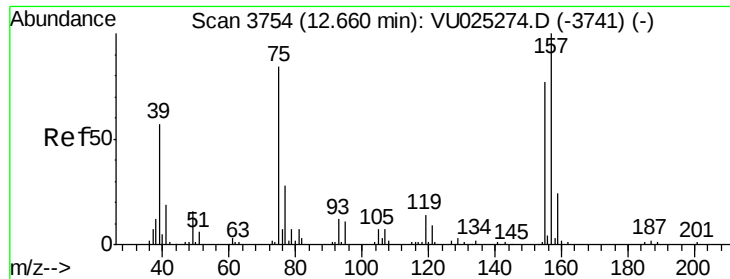
MMDadoda
7/10/2018 2:33:50 PM



#91
1,2-Dichlorobenzene
Concen: 1.18 ug/l
RT: 11.89 min Scan# 3513
Delta R.T. 0.00 min
Lab File: VU025278.D
Acq: 09 Jul 2018 17:01

Tgt Ion:146 Resp: 4708
Ion Ratio Lower Upper
146 100
111 44.1 20.6 61.8
148 60.6 31.5 94.5





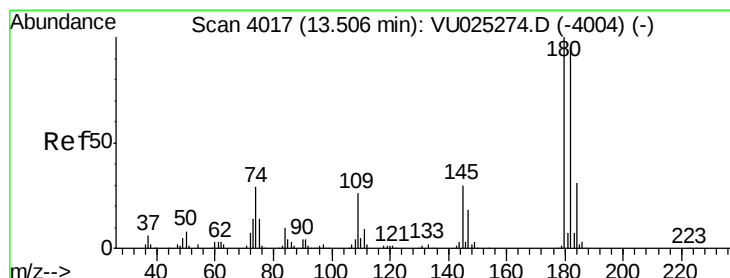
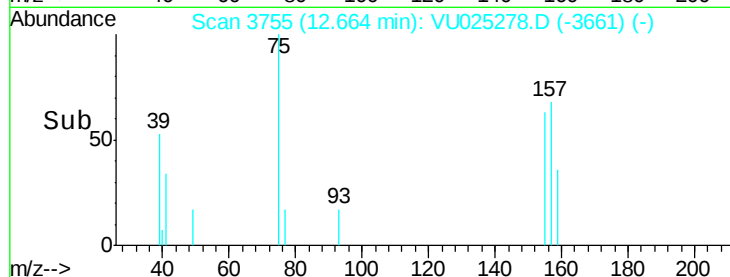
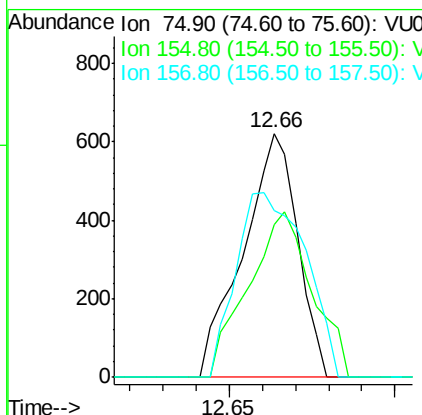
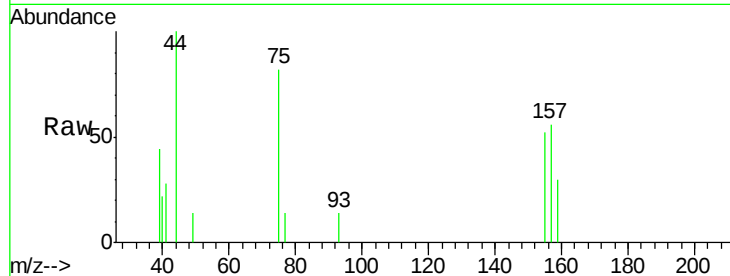
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.06 ug/l
 RT: 12.66 min Scan# 3755
 Delta R.T. 0.00 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	79.2	44.5	133.3
157	96.3	57.0	170.8

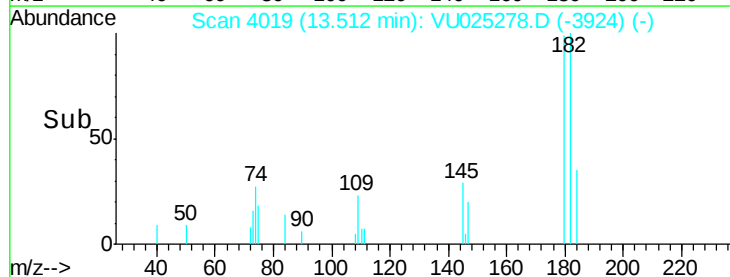
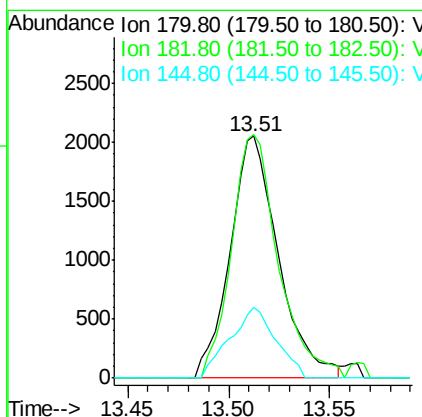
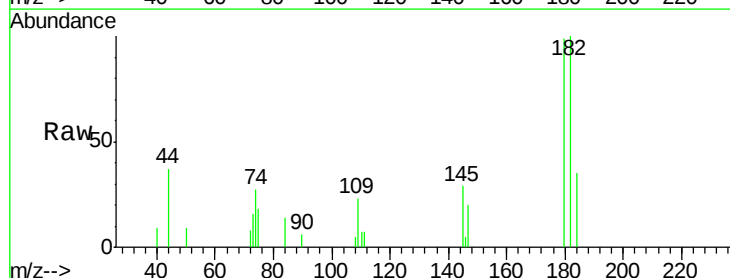
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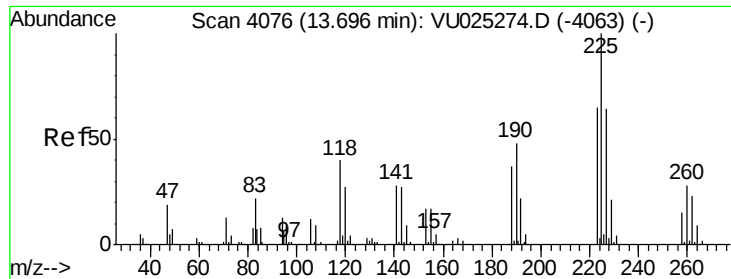
MMDadoda
 7/10/2018 2:33:50 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 1.32 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.3	141.9
145	27.8	14.9	44.7





#94

Hexachlorobutadiene

Concen: 1.13 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Instrument :

MSVOA_U

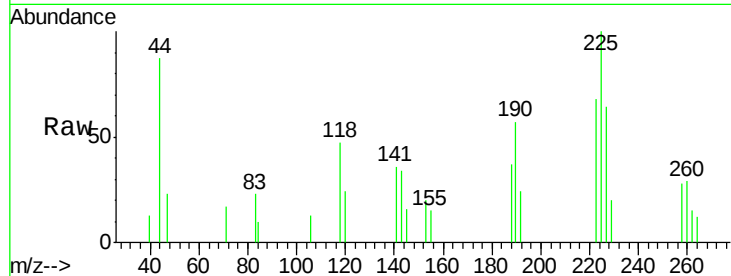
ClientSampleId :

VSTDIC001

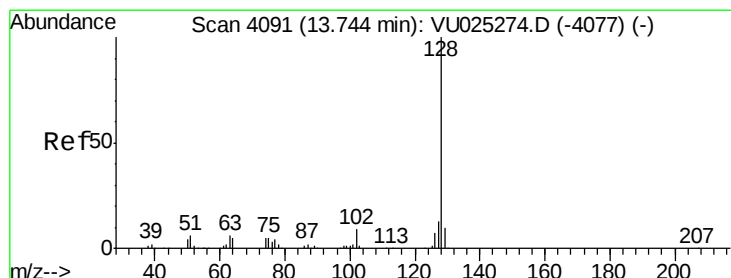
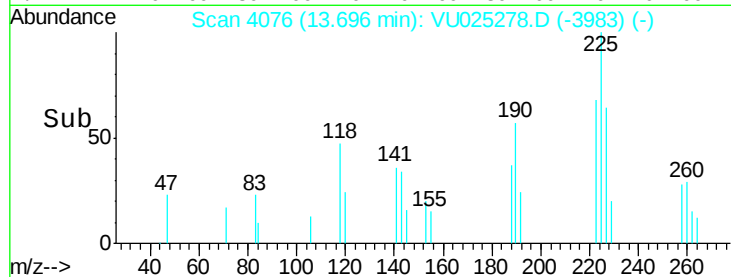
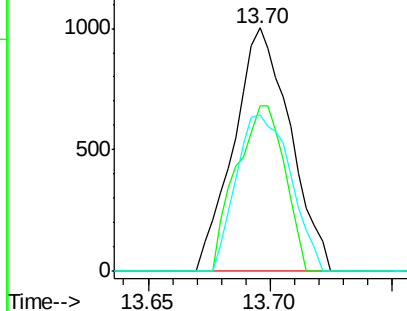
Tot Ion:	225	Resp:	1605
Ion Ratio	Lower	Upper	
225	100		
223	58.6	31.9	95.7
227	62.1	32.3	96.9

Manual Integrations
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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: 1.85 ug/l

RT: 13.75 min Scan# 4093

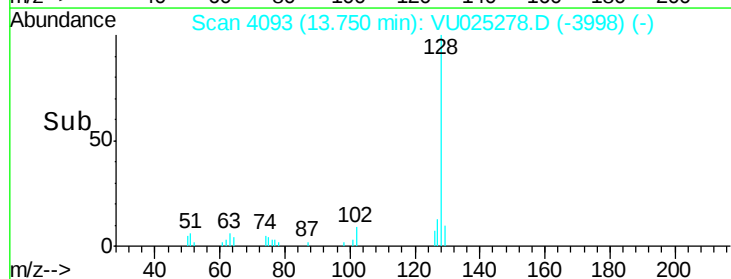
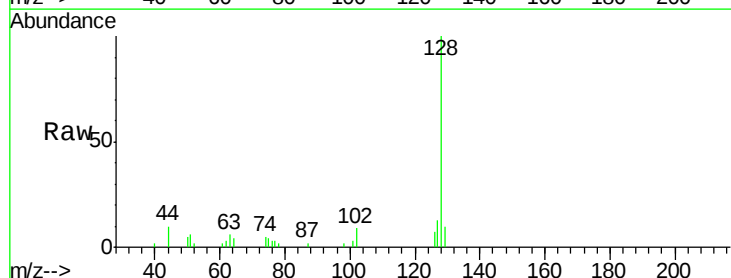
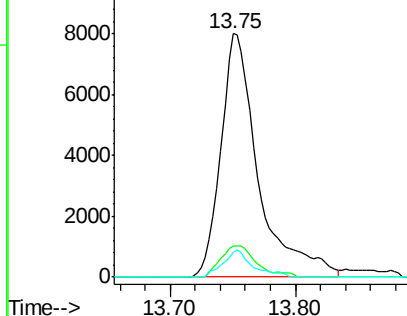
Delta R.T. 0.01 min

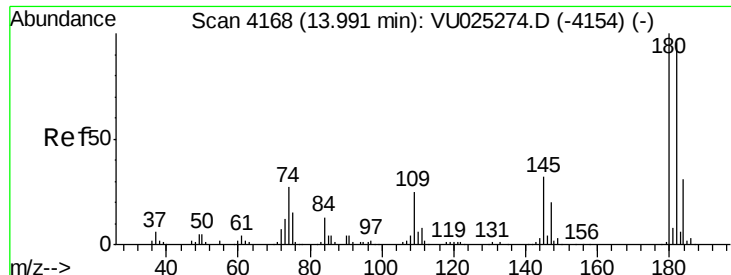
Lab File: VU025278.D

Acq: 09 Jul 2018 17:01

Tgt Ion:	128	Resp:	16621
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.5	15.7
129	8.7	8.3	12.5

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





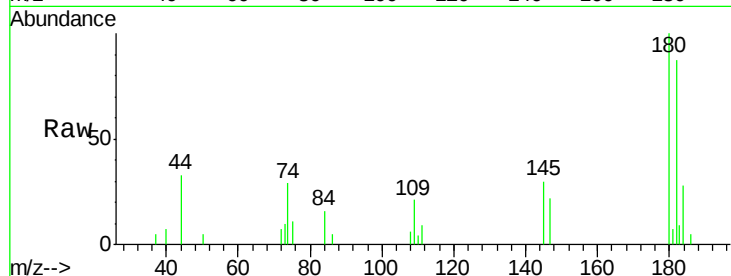
#96
 1,2,3-Trichlorobenzene
 Concen: 1.51 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU025278.D
 Acq: 09 Jul 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.8	143.3
145	31.4	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:50 PM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

