

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080618\
 Data File : VW004482.D
 Acq On : 06 Aug 2018 20:53
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/7/2018 4:49:15 PM

Quant Time: Aug 07 08:16:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:40:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	768105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1215768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1109260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	574726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	1250882	159.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.30%	
35) Dibromofluoromethane	7.88	113	1188393	153.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.64%	
50) Toluene-d8	10.33	98	4618394	151.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.40%	
62) 4-Bromofluorobenzene	12.62	95	1697181	156.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	737721	236.99	ug/l	100
3) Chloromethane	2.22	50	1209579	246.28	ug/l	98
4) Vinyl Chloride	2.37	62	1475756	185.63	ug/l	98
5) Bromomethane	2.78	94	888529	173.75	ug/l	98
6) Chloroethane	2.92	64	917032	184.61	ug/l	97
7) Trichlorofluoromethane	3.25	101	597928	136.32	ug/l	97
8) Diethyl Ether	3.67	74	681172	164.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	1194742	153.00	ug/l	100
10) Methyl Iodide	4.27	142	1873936	161.15	ug/l	100
11) Tert butyl alcohol	5.22	59	363674	645.79	ug/l	97
12) 1,1-Dichloroethene	4.03	96	1235484	159.11	ug/l	99
13) Acrolein	3.89	56	430323	829.09	ug/l	99
14) Allyl chloride	4.66	41	1934903	157.30	ug/l	99
15) Acrylonitrile	5.37	53	1582070	878.27	ug/l	99
16) Acetone	4.14	43	1416068	791.81	ug/l	98
17) Carbon Disulfide	4.38	76	3984848	165.86	ug/l	99
18) Methyl Acetate	4.67	43	769749	164.64	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	1759073	131.76	ug/l	96
20) Methylene Chloride	4.92	84	1386328	160.43	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	1326190	159.01	ug/l	100
22) Diisopropyl ether	6.31	45	3961716	167.90	ug/l	99
23) Vinyl Acetate	6.26	43	12463473	902.53	ug/l	99
24) 1,1-Dichloroethane	6.21	63	2404598	157.71	ug/l	99
25) 2-Butanone	7.18	43	2557914	1100.34	ug/l	99
26) 2,2-Dichloropropane	7.17	77	1160706	134.76	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	1476835	172.99	ug/l	99
28) Bromochloromethane	7.51	49	1052441	189.74	ug/l	100
29) Tetrahydrofuran	7.54	42	1368040	957.07	ug/l	100
30) Chloroform	7.68	83	2321435	159.75	ug/l	99
31) Cyclohexane	7.96	56	2293549	169.49	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	1754304	149.15	ug/l	99
36) 1,1-Dichloropropene	8.09	75	1903905	154.77	ug/l	100
37) Ethyl Acetate	7.26	43	912579	178.96	ug/l	99
38) Carbon Tetrachloride	8.07	117	1694455	141.19	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	2536080	169.67	ug/l	99
40) Benzene	8.32	78	5559318	159.92	ug/l	100
41) Methacrylonitrile	7.49	41	528163	181.01	ug/l	99
42) 1,2-Dichloroethane	8.40	62	1509981	152.76	ug/l	100
43) Isopropyl Acetate	8.43	43	1734510	189.43	ug/l	99
44) Trichloroethene	9.09	130	1387484	149.45	ug/l	99
45) 1,2-Dichloropropane	9.37	63	1421136	164.69	ug/l	98
46) Dibromomethane	9.46	93	707808	160.23	ug/l	99
47) Bromodichloromethane	9.65	83	1719804	155.50	ug/l	99
48) Methyl methacrylate	9.44	41	829269	179.27	ug/l	99
49) 1,4-Dioxane	9.48	88	234101	3487.35	ug/l #	94
51) 4-Methyl-2-Pentanone	10.22	43	5764962	1081.31	ug/l	99
52) Toluene	10.39	92	3336379	153.95	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	1807943	163.22	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	2105725	162.94	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	998852	159.22	ug/l	100
56) Ethyl methacrylate	10.65	69	1423733	186.70	ug/l	100
57) 1,3-Dichloropropane	10.94	76	1761635	164.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	3392575	972.04	ug/l	99
59) 2-Hexanone	10.98	43	3910674	1071.80	ug/l	99
60) Dibromochloromethane	11.13	129	1136733	152.61	ug/l	100
61) 1,2-Dibromoethane	11.24	107	953235	159.05	ug/l	100
64) Tetrachloroethene	10.87	164	1167983	144.71	ug/l	97
65) Chlorobenzene	11.66	112	3607458	154.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	1270713	154.05	ug/l	99
67) Ethyl Benzene	11.74	91	6456732	157.91	ug/l	98
68) m/p-Xylenes	11.85	106	4911184	313.00	ug/l	98
69) o-Xylene	12.17	106	2388428	164.61	ug/l	100
70) Styrene	12.19	104	3995109	162.35	ug/l	99
71) Bromoform	12.35	173	707833	153.47	ug/l	99
73) Isopropylbenzene	12.47	105	6431923	160.44	ug/l	100
74) N-amyl acetate	12.28	43	1674238	190.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	1231316	171.36	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	868532m	167.22	ug/l	
77) Bromobenzene	12.76	156	1476019	153.02	ug/l	100
78) n-propylbenzene	12.81	91	7685152	157.69	ug/l	99
79) 2-Chlorotoluene	12.90	91	4392203	157.28	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	5361168	155.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	413009	180.34	ug/l	96
82) 4-Chlorotoluene	12.99	91	4499965	151.45	ug/l	98
83) tert-Butylbenzene	13.21	119	4683732	163.17	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	5537356	156.93	ug/l	99
85) sec-Butylbenzene	13.39	105	6815909	162.35	ug/l	100
86) p-Isopropyltoluene	13.51	119	5964032	158.66	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	2968749	152.91	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2889481	149.24	ug/l	99
89) n-Butylbenzene	13.83	91	5877488	165.88	ug/l	99
90) Hexachloroethane	14.10	117	1101495	163.89	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	2680321	153.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	209990	168.80	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	2002670	164.05	ug/l	99
94) Hexachlorobutadiene	15.24	225	1110282	149.62	ug/l	100
95) Naphthalene	15.38	128	4033794	188.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1783470	165.79	ug/l	99

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

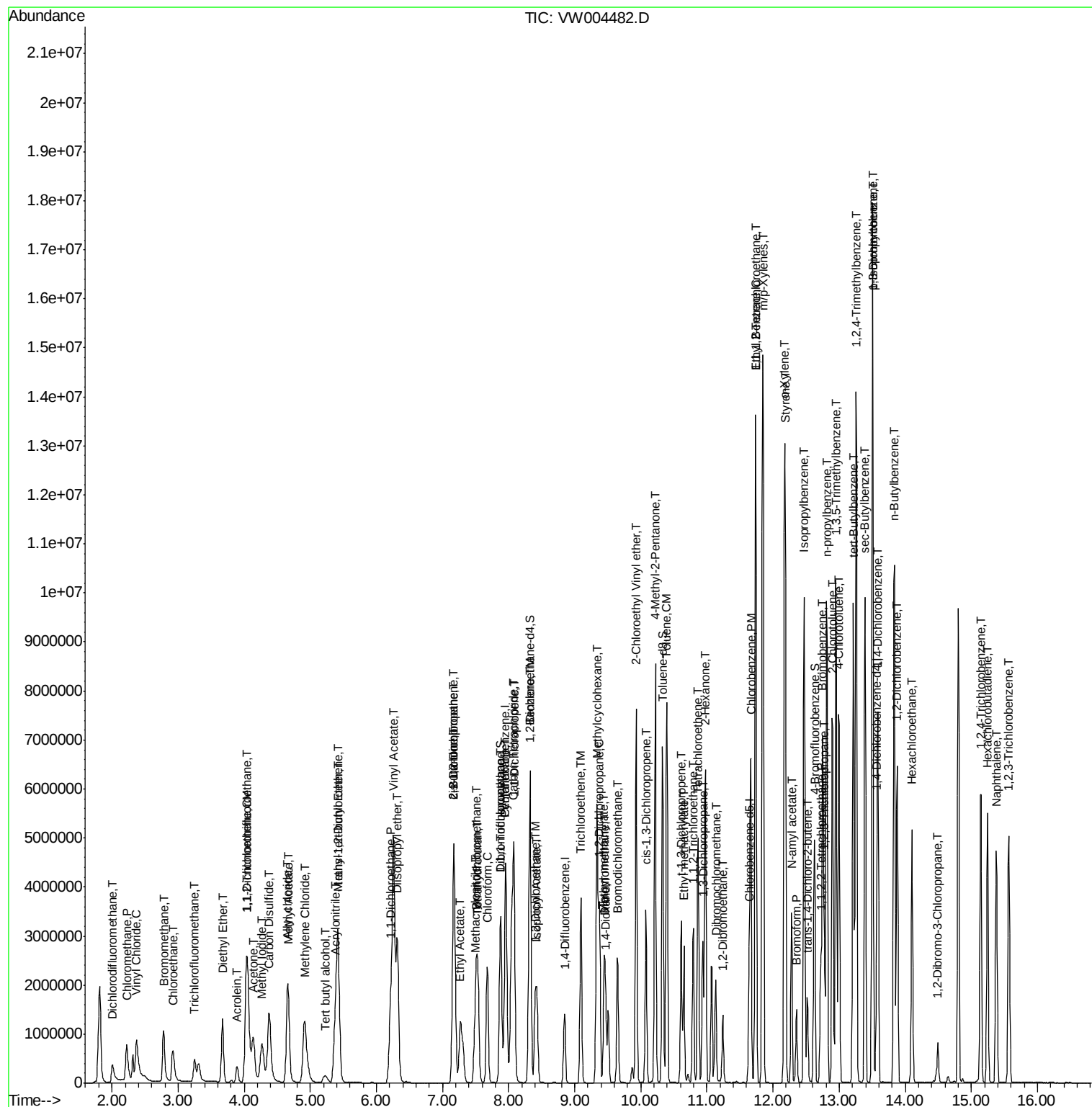
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080618\
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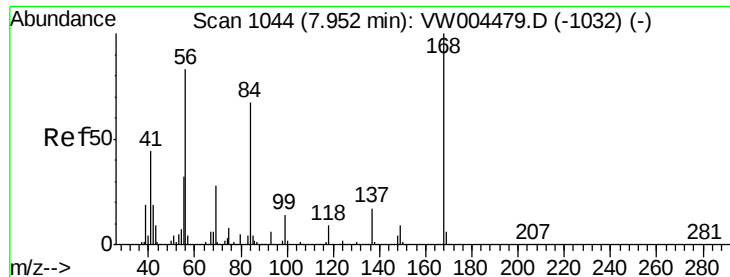
Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 768105

Ion Ratio Lower Upper

168 100

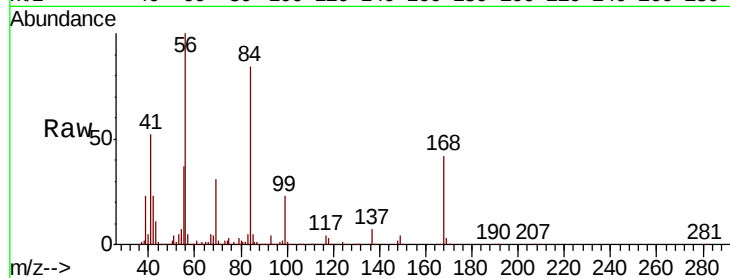
99 55.7 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

500000

400000

300000

200000

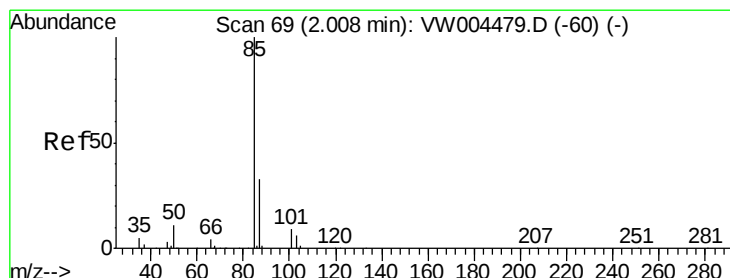
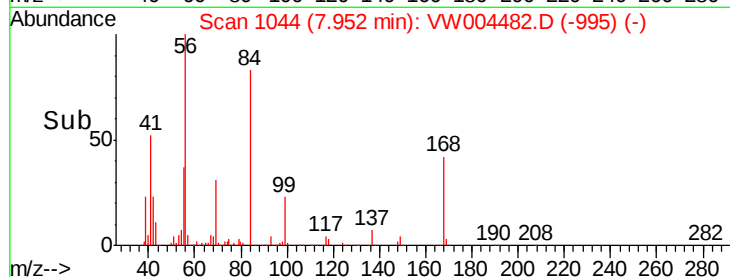
100000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 236.99 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004482.D

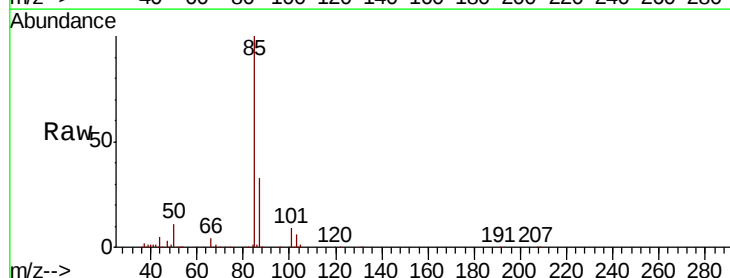
Acq: 06 Aug 2018 20:53

Tgt Ion: 85 Resp: 737721

Ion Ratio Lower Upper

85 100

87 33.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

200000

150000

100000

50000

0

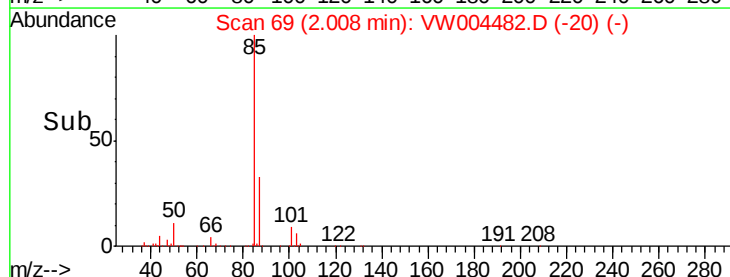
1.90

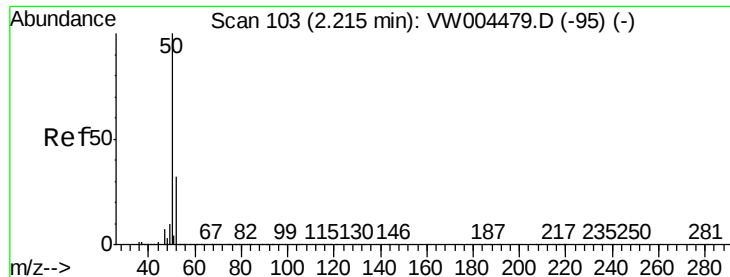
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 246.28 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 1209579

Ion Ratio Lower Upper

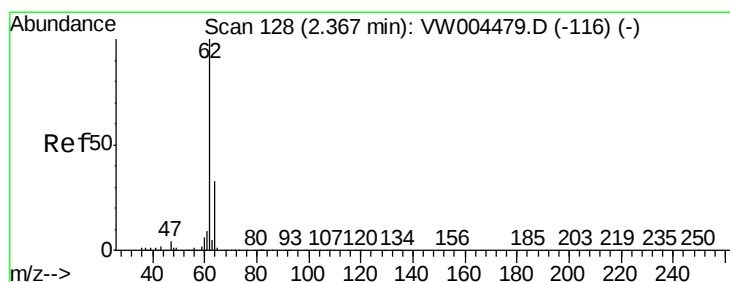
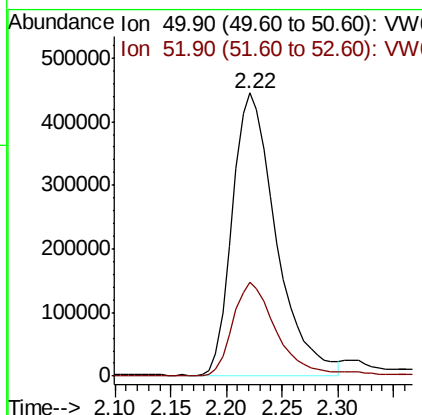
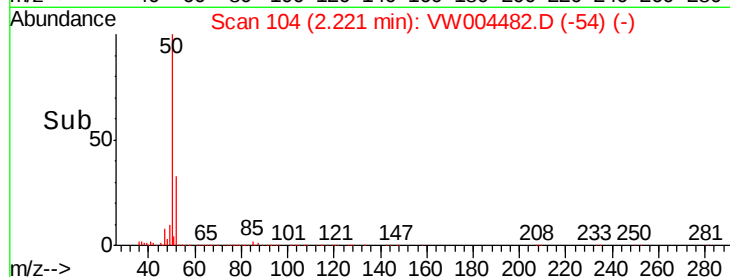
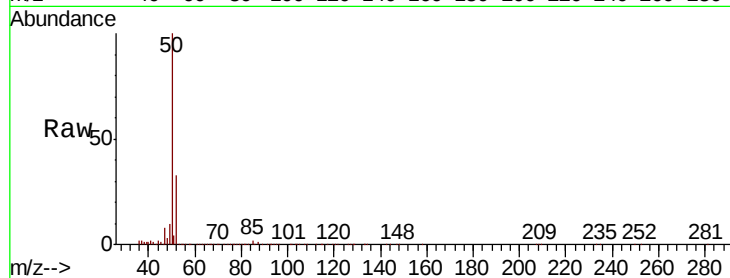
50 100

52 33.2 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 185.63 ug/l

RT: 2.37 min Scan# 129

Delta R.T. 0.01 min

Lab File: VW004482.D

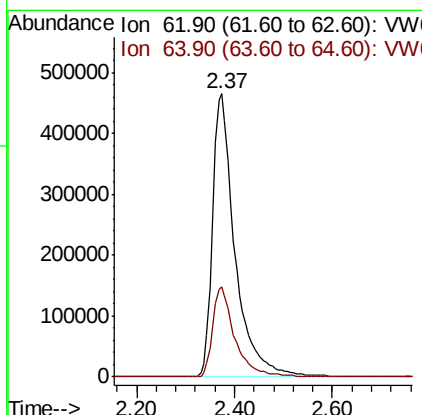
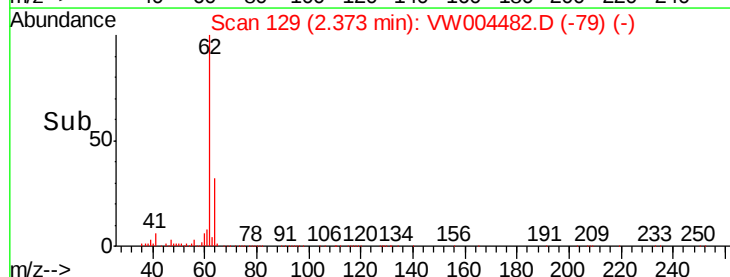
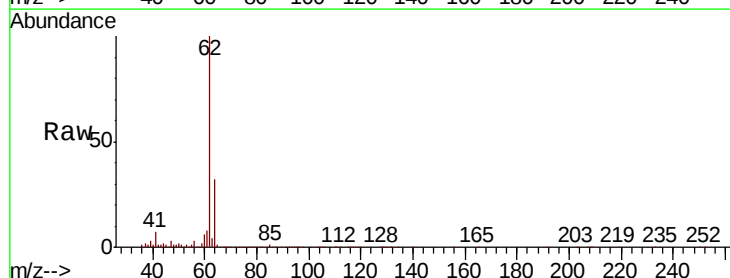
Acq: 06 Aug 2018 20:53

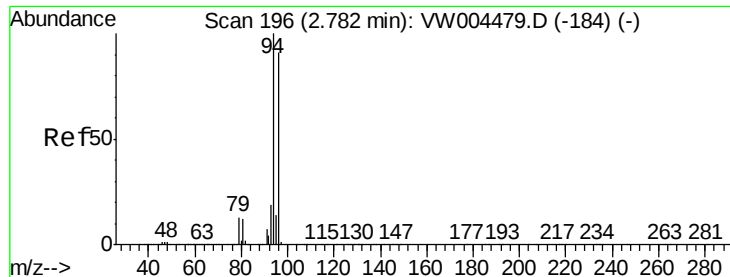
Tgt Ion: 62 Resp: 1475756

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 173.75 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 888529

Ion Ratio Lower Upper

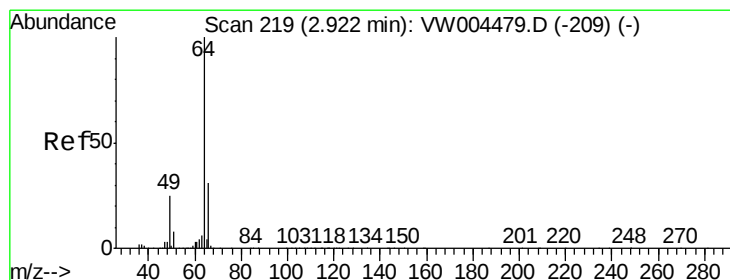
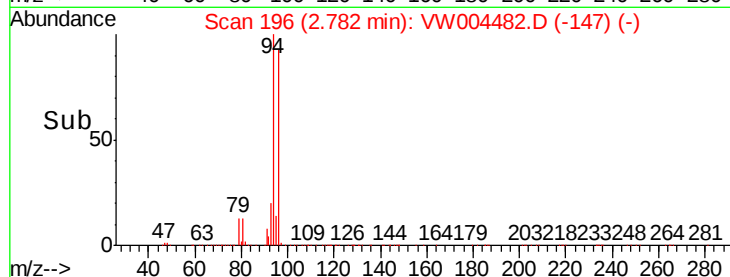
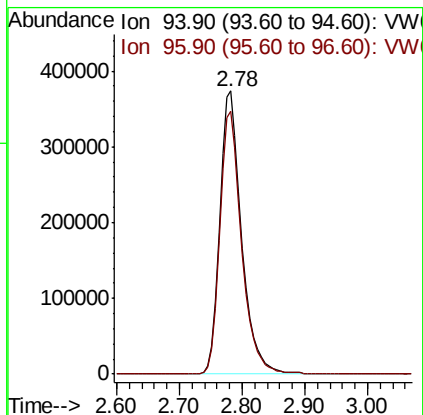
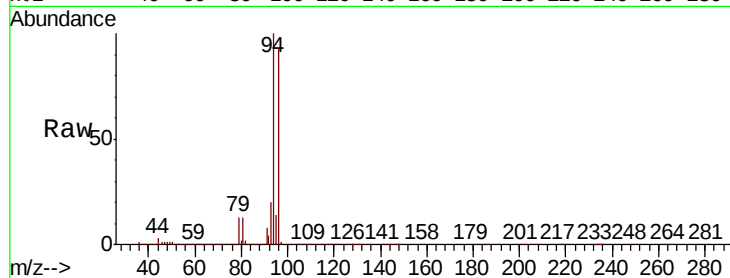
94 100

96 92.8 72.9 109.3

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#6

Chloroethane

Concen: 184.61 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004482.D

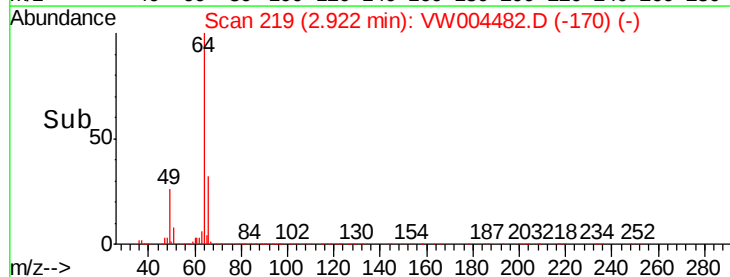
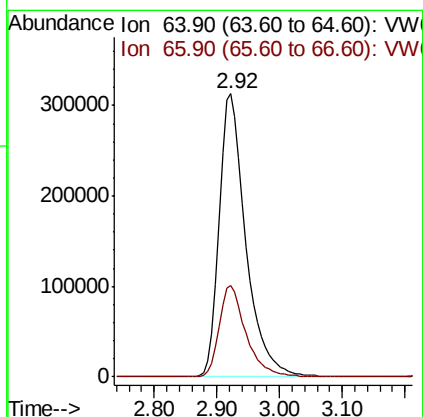
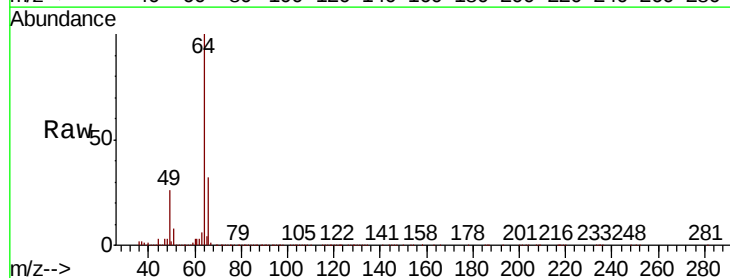
Acq: 06 Aug 2018 20:53

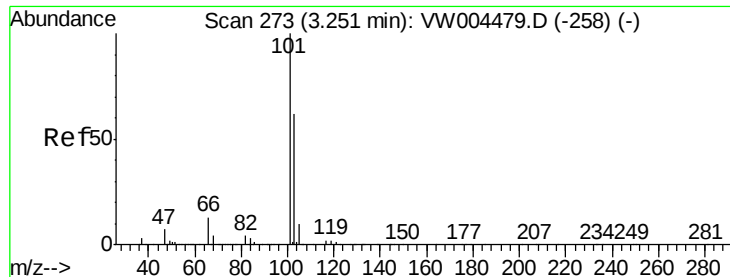
Tgt Ion: 64 Resp: 917032

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8





#7

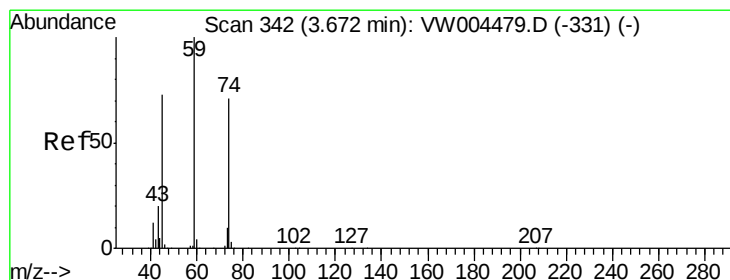
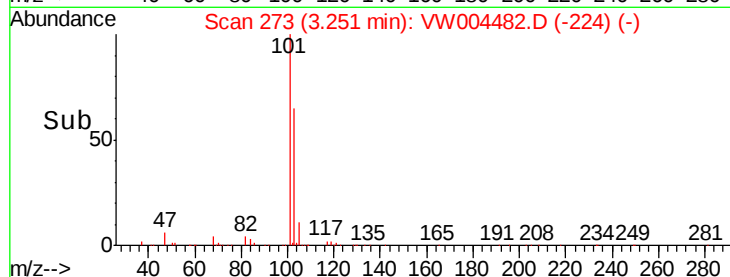
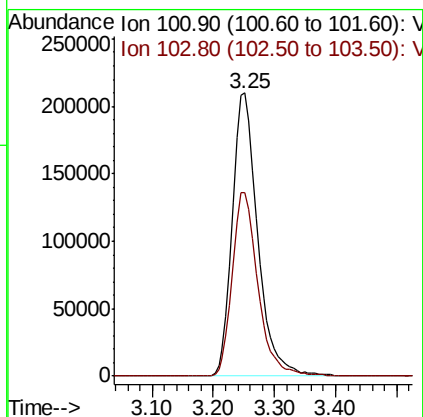
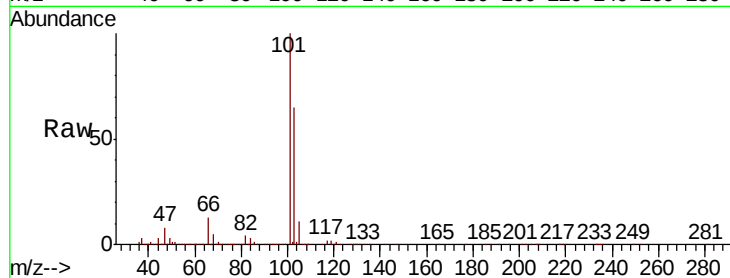
Trichlorofluoromethane
 Concen: 136.32 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.8	74.8

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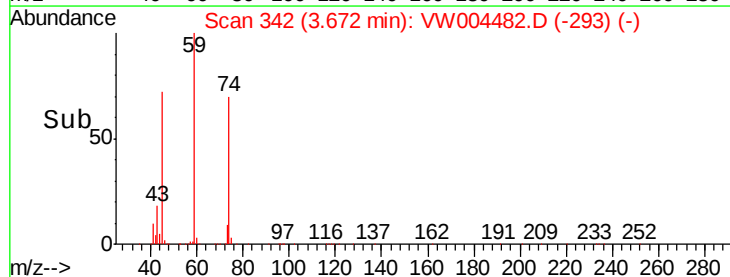
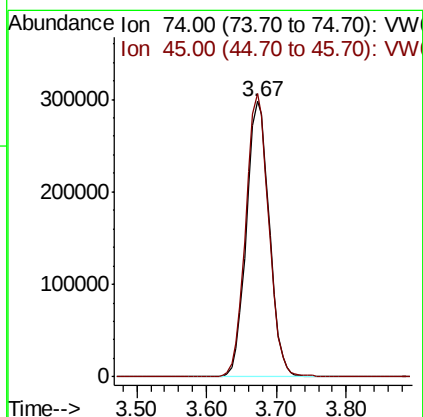
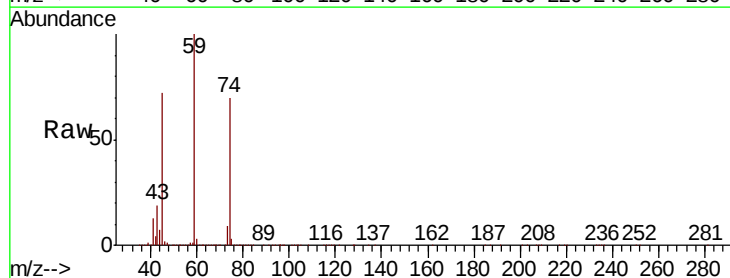
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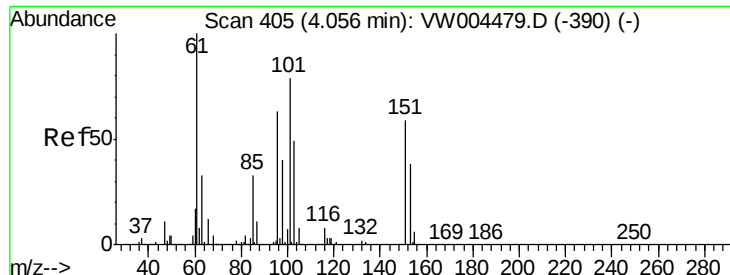


#8

Diethyl Ether
 Concen: 164.82 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	51.2	153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.00 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1194742

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

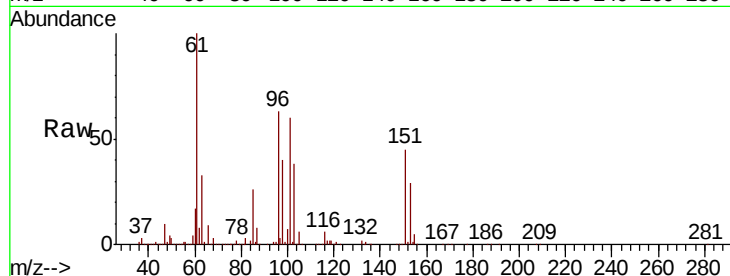
151 77.2 61.3 91.9

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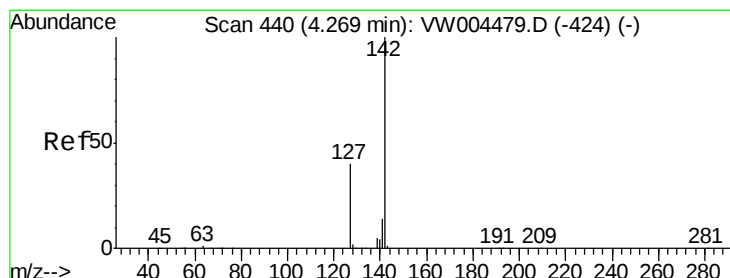
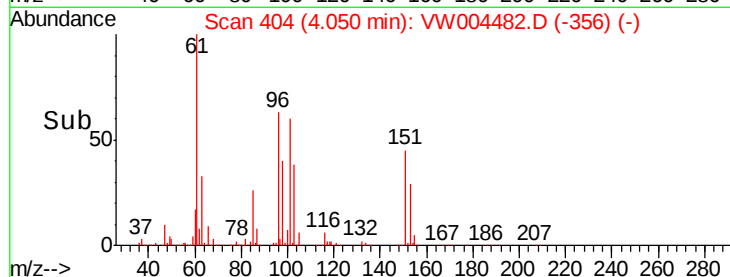
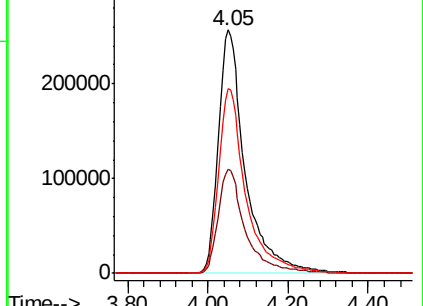
8/7/2018 4:49:15 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 161.15 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

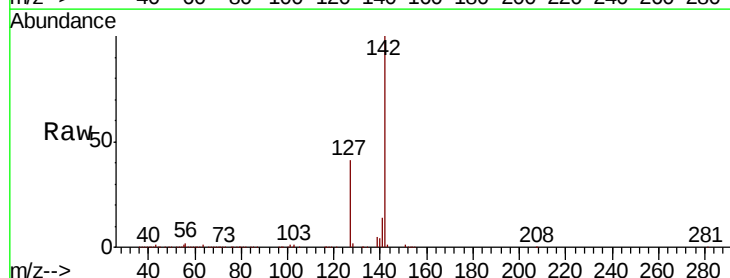
Tgt Ion:142 Resp: 1873936

Ion Ratio Lower Upper

142 100

127 40.5 32.7 49.1

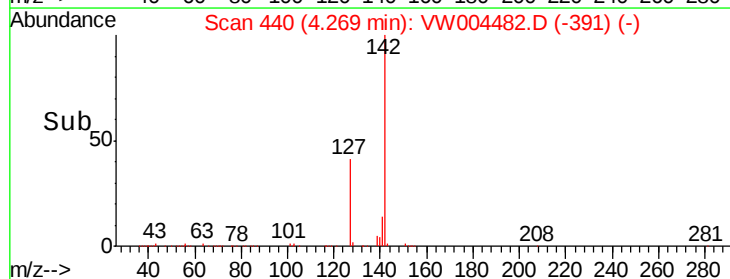
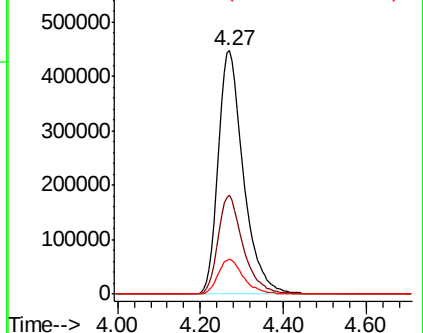
141 14.4 11.5 17.3

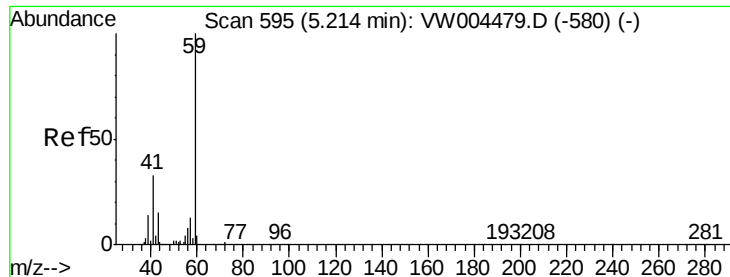


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

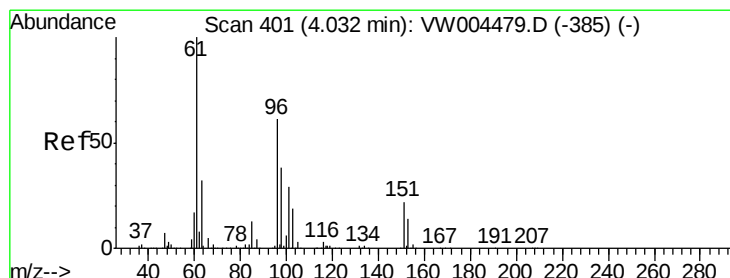
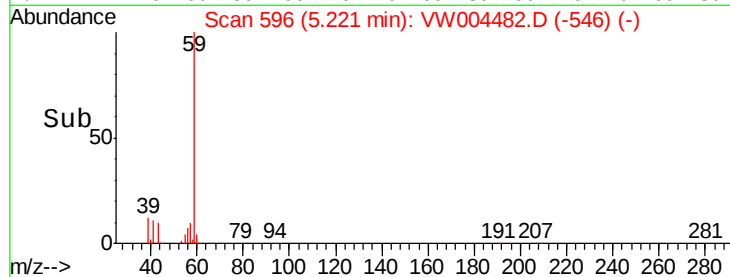
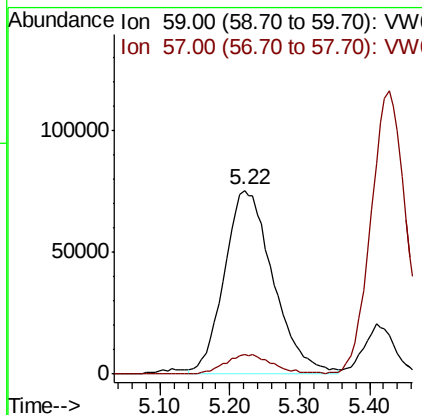
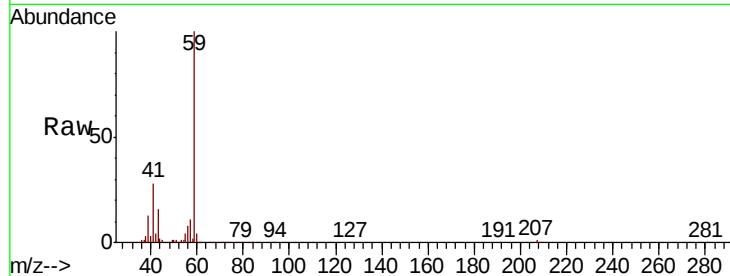
Tert butyl alcohol
Concen: 645.79 ug/l
RT: 5.22 min Scan# 596
Delta R.T. 0.01 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.1	13.7

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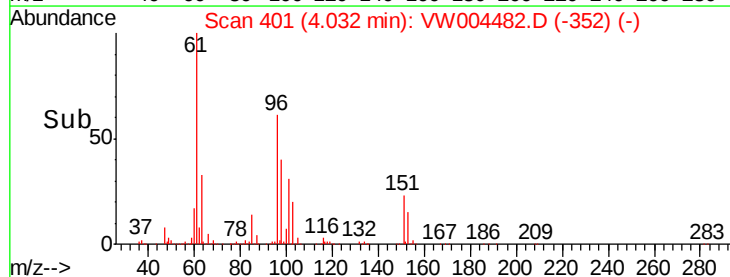
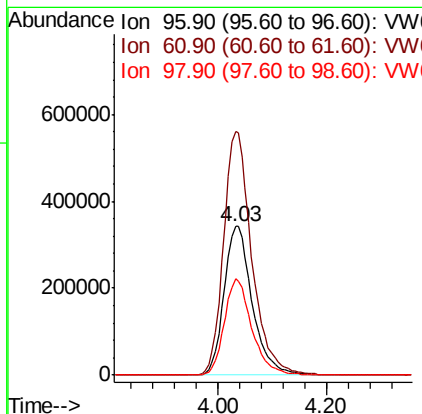
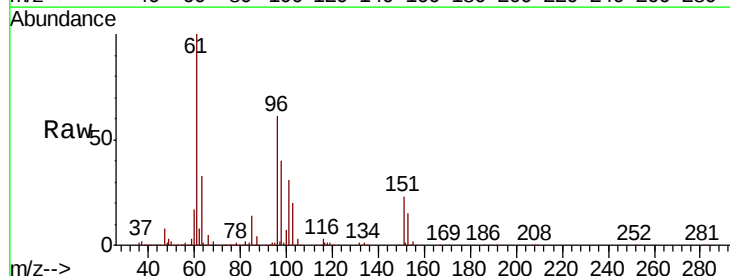
apatel
8/7/2018 4:49:15 PM

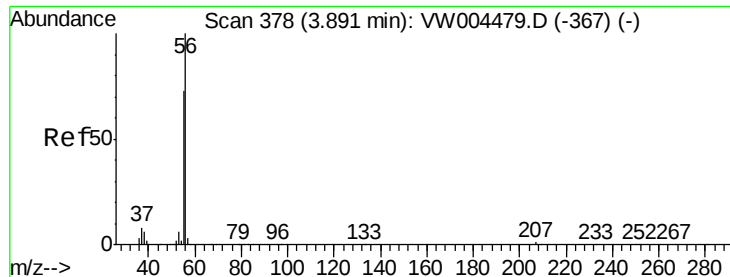


#12

1,1-Dichloroethene
Concen: 159.11 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	130.6	195.8
98	64.9	49.6	74.4





#13

Acrolein

Concen: 829.09 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 430323

Ion Ratio Lower Upper

56 100

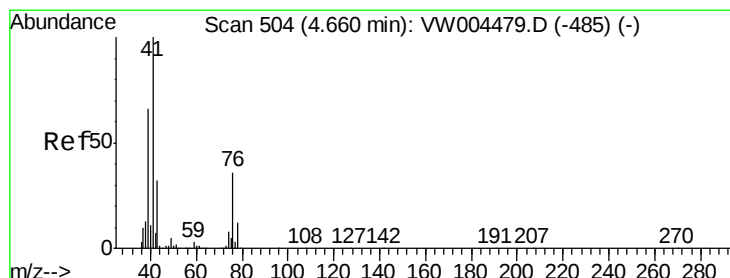
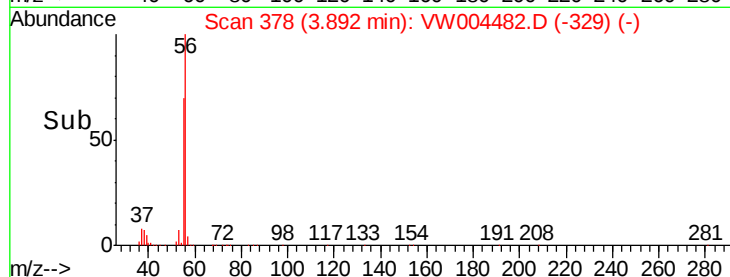
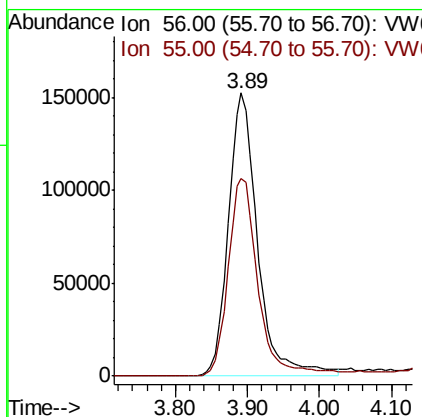
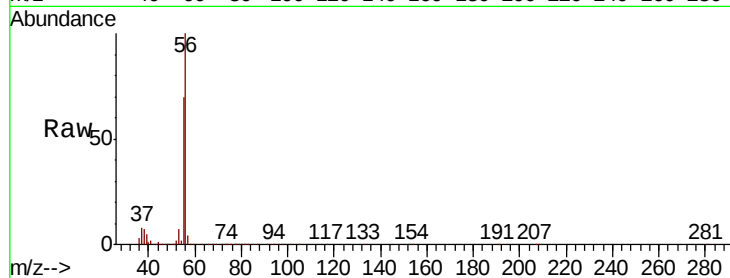
55 71.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 157.30 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

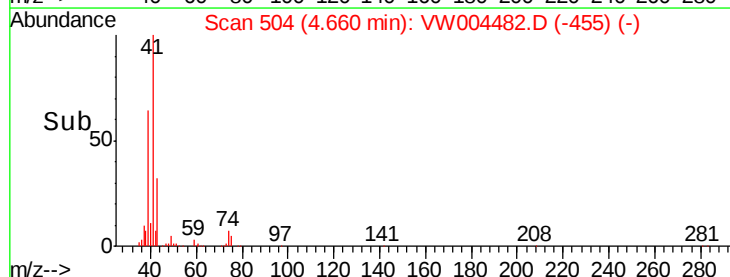
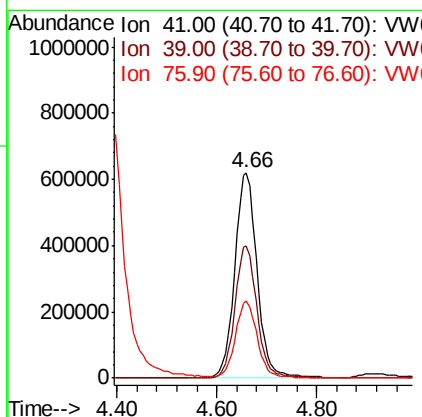
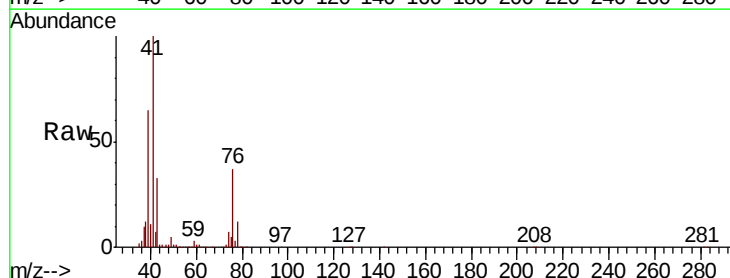
Tgt Ion: 41 Resp: 1934903

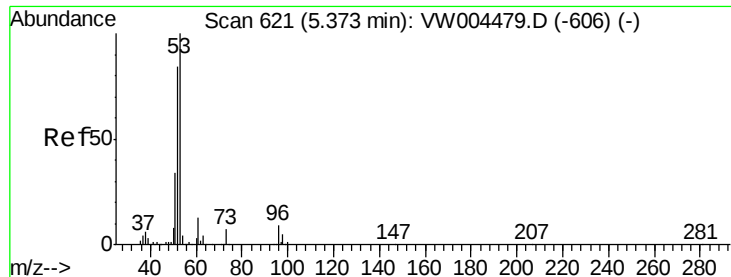
Ion Ratio Lower Upper

41 100

39 63.5 51.9 77.9

76 36.7 29.0 43.6





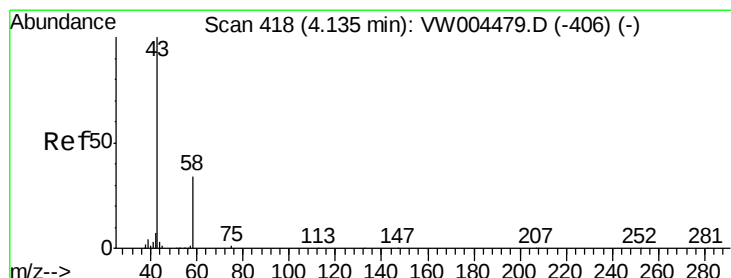
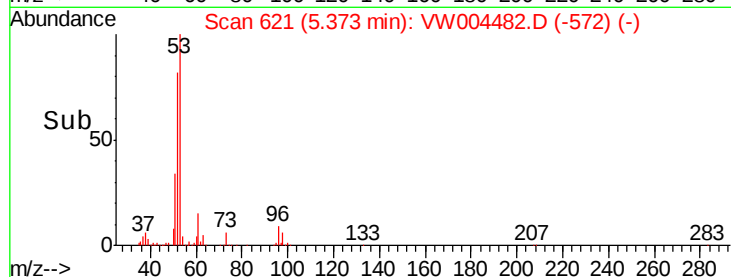
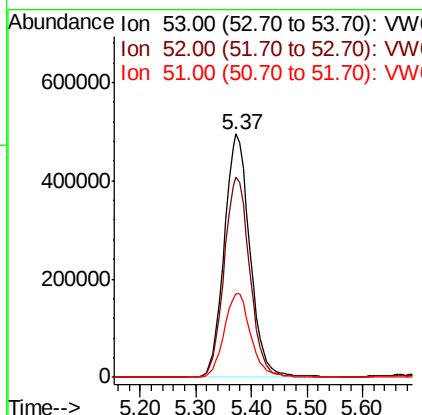
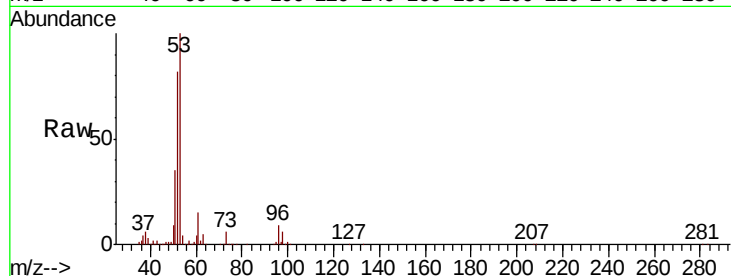
#15
 Acrylonitrile
 Concen: 878.27 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Tot Ion:	53	Resp:	1582070
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.5	99.7
51	35.5	28.4	42.6

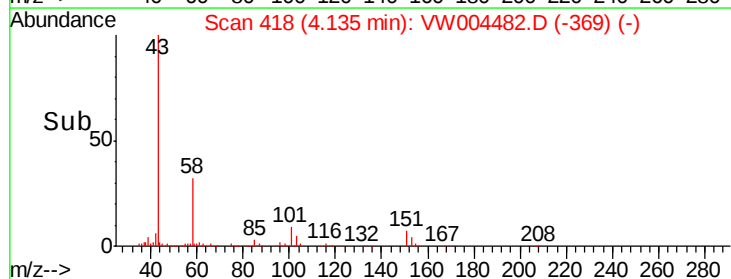
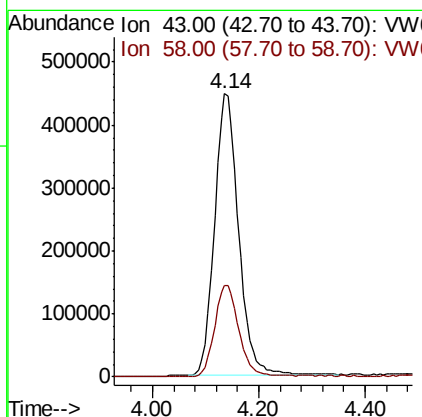
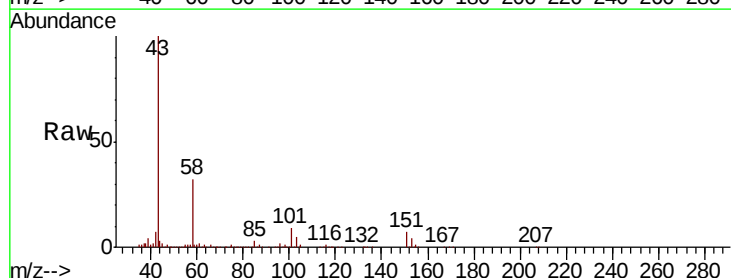
Manual Integrations
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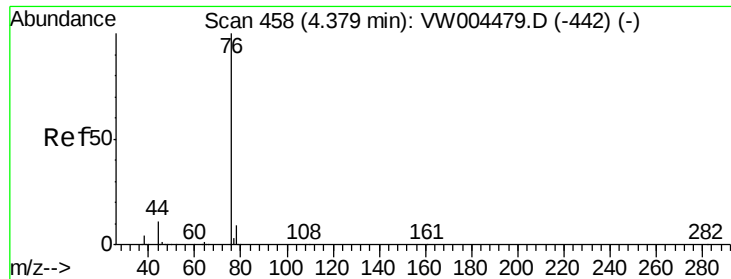
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#16
 Acetone
 Concen: 791.81 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion:	43	Resp:	1416068
Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.8	40.2





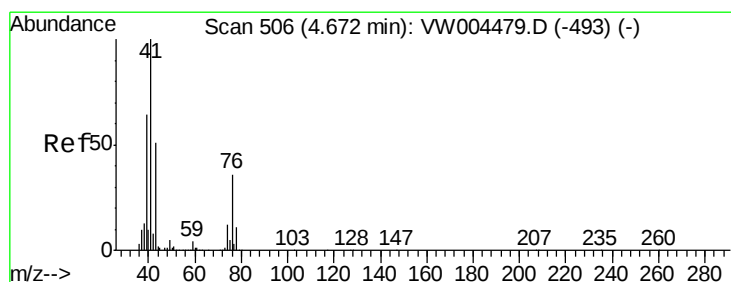
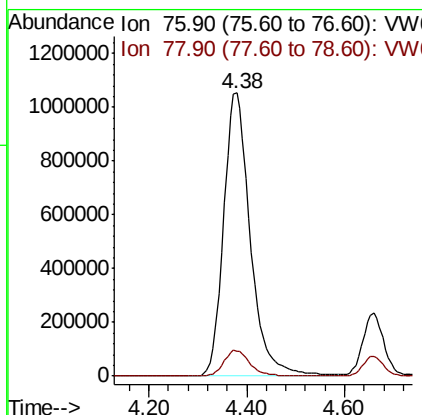
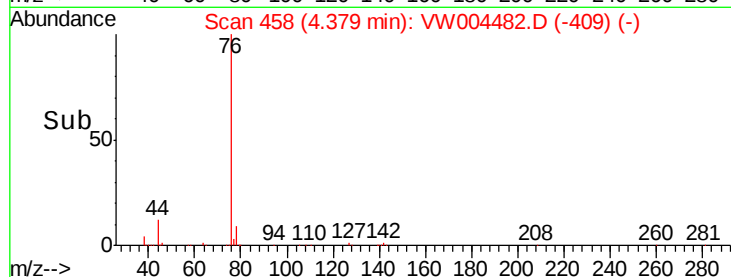
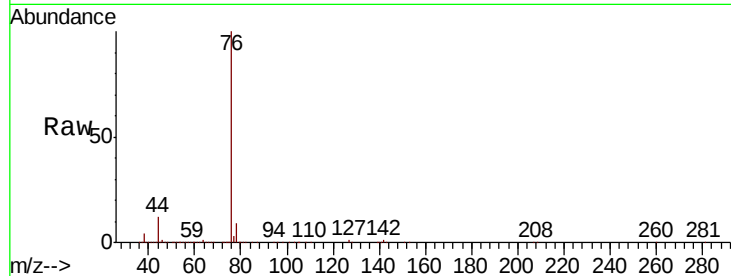
#17
Carbon Disulfide
Concen: 165.86 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 3984848
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

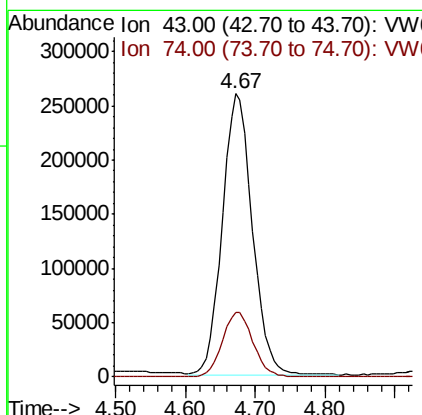
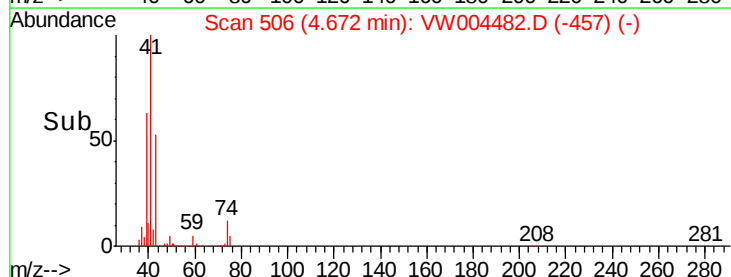
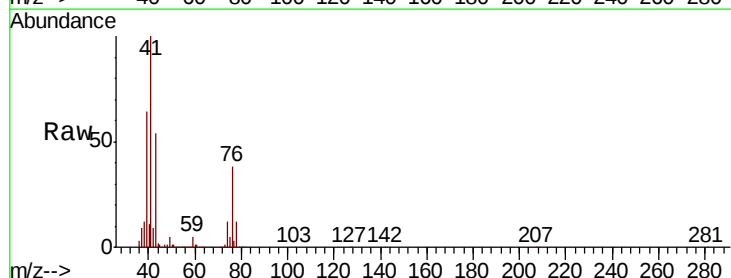
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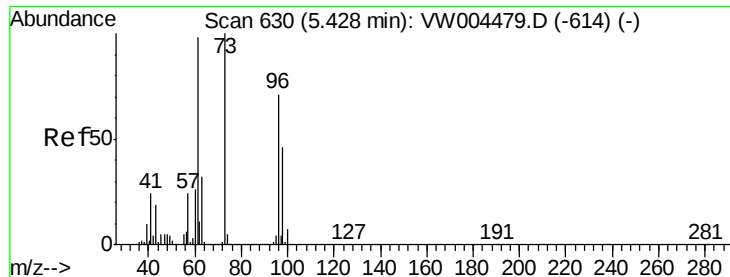
apatel
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#18
Methyl Acetate
Concen: 164.64 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion: 43 Resp: 769749
Ion Ratio Lower Upper
43 100
74 23.7 19.1 28.7





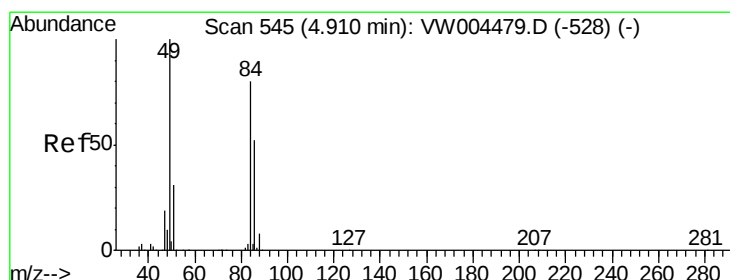
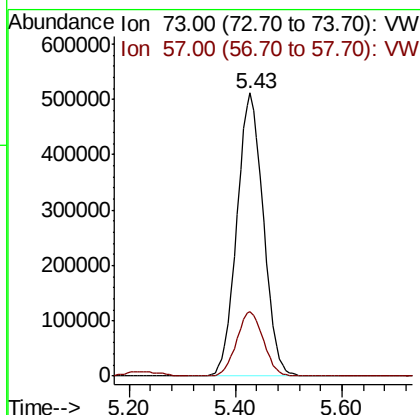
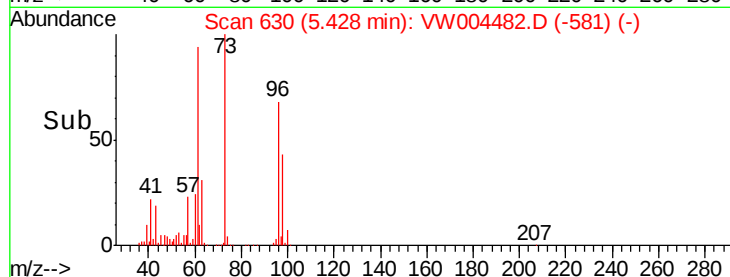
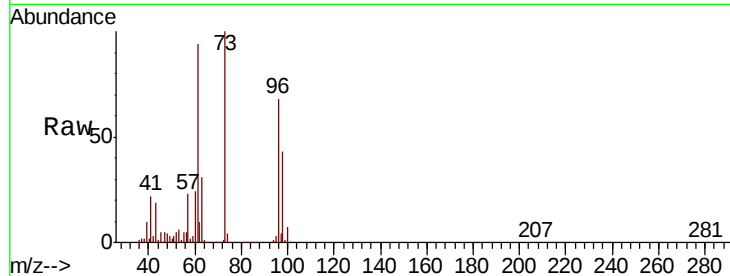
#19
Methyl tert-butyl Ether
Concen: 131.76 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 1759073
Ion Ratio Lower Upper
73 100
57 22.7 19.6 29.4

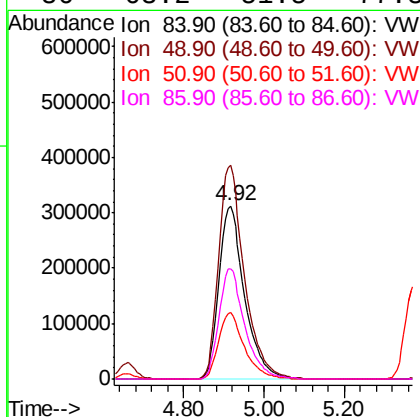
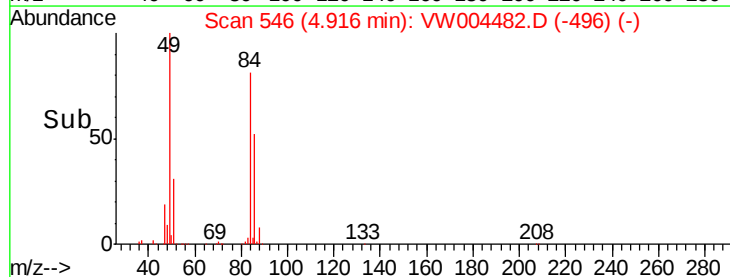
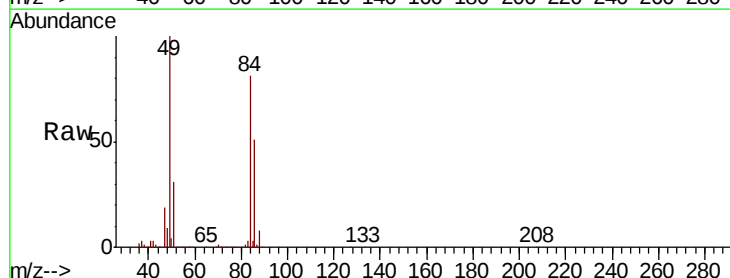
Manual Integrations
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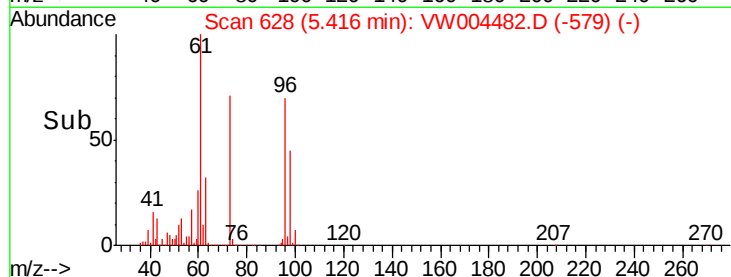
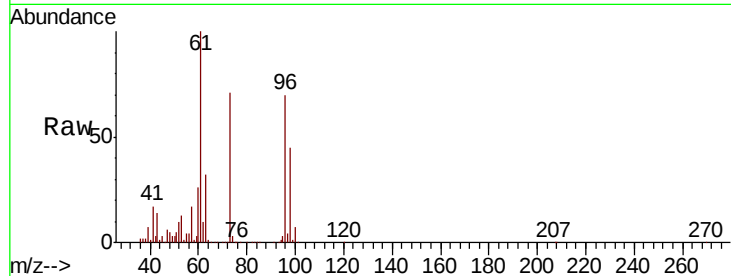
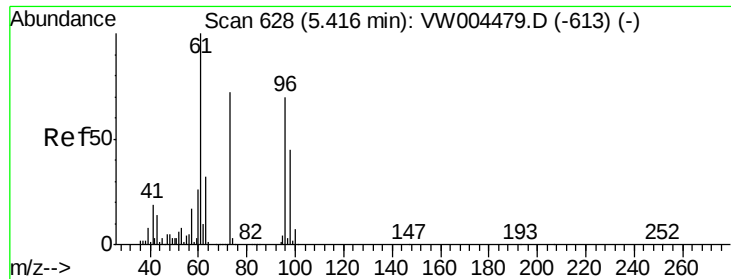
apatel
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#20
Methylene Chloride
Concen: 160.43 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion: 84 Resp: 1386328
Ion Ratio Lower Upper
84 100
49 123.1 99.6 149.4
51 38.2 31.0 46.4
86 63.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 159.01 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004482.D

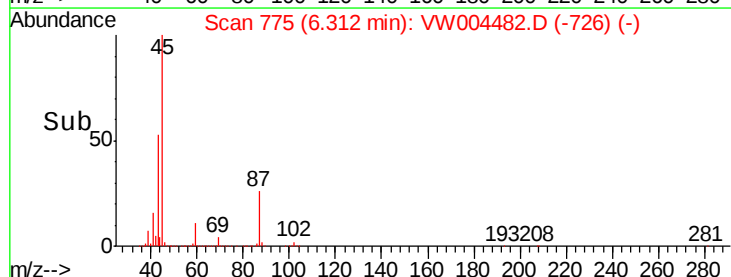
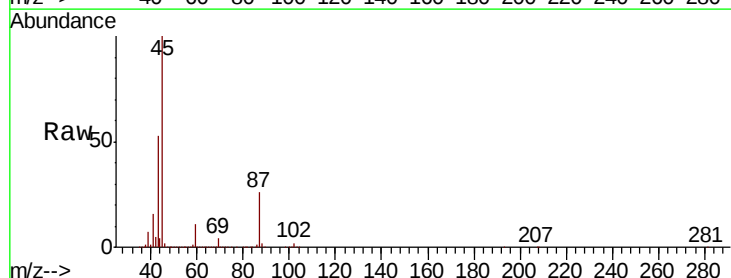
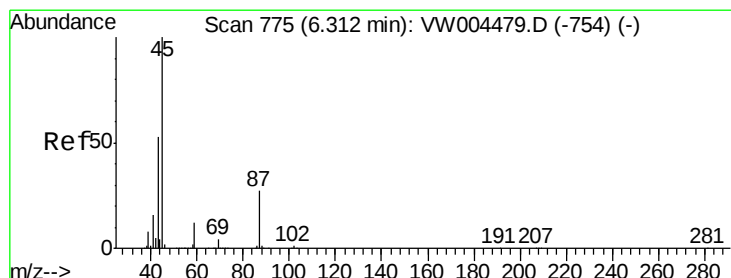
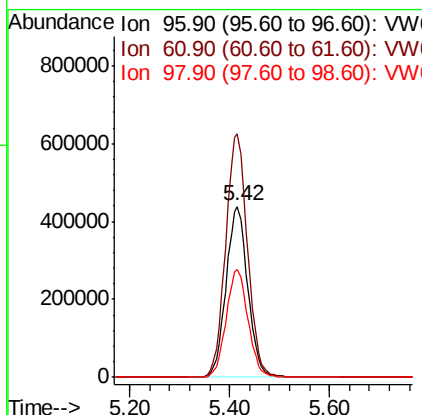
Acq: 06 Aug 2018 20:53

Tot Ion:	96	Resp:	1326190
Ion	Ratio	Lower	Upper
96	100		
61	142.7	114.1	171.1
98	63.6	51.4	77.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Manual Integrations
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#22

Diisopropyl ether

Concen: 167.90 ug/l

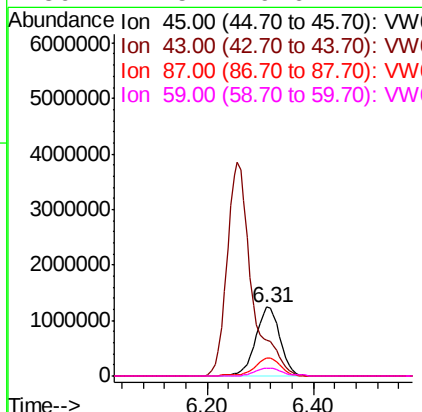
RT: 6.31 min Scan# 775

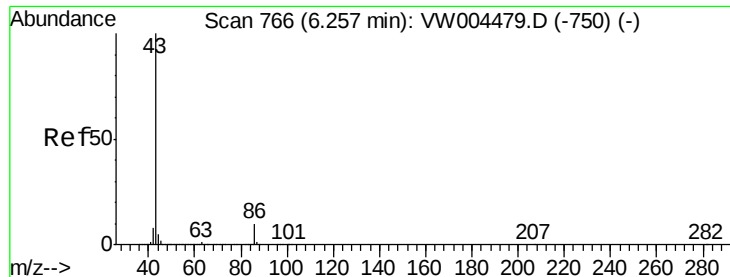
Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Tgt Ion:	45	Resp:	3961716
Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.4	63.6
87	26.4	21.6	32.4
59	11.5	9.6	14.4





#23

Vinyl Acetate

Concen: 902.53 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

VSTDICC150

Tot Ion: 43 Resp:12463473

Ion Ratio Lower Upper

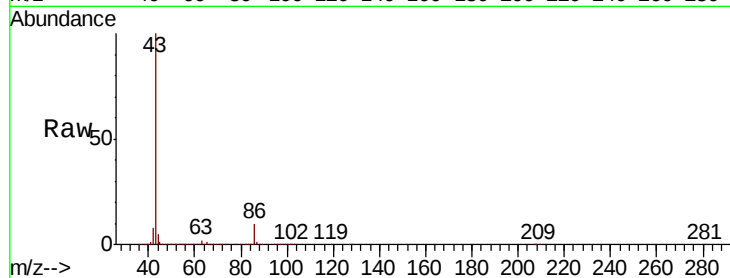
43 100

86 10.2 7.9 11.9

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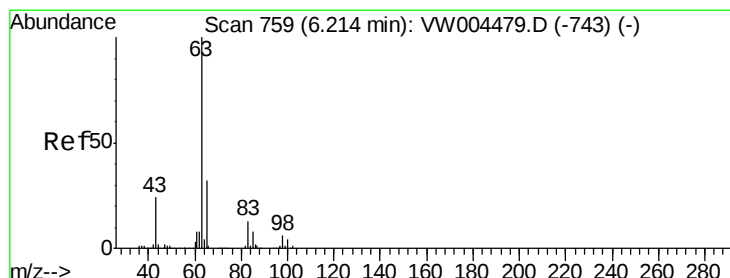
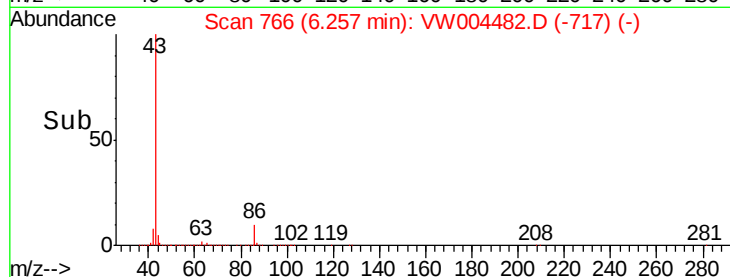
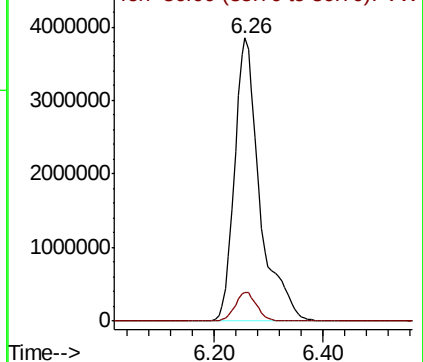
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 157.71 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

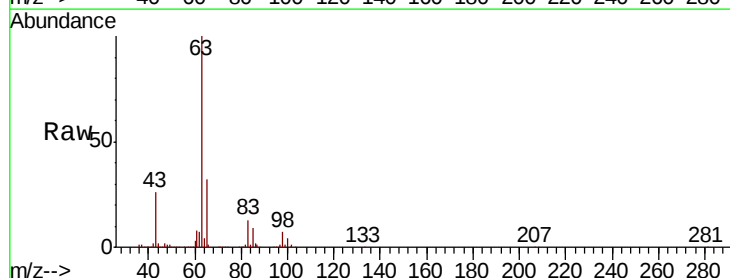
Tgt Ion: 63 Resp: 2404598

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

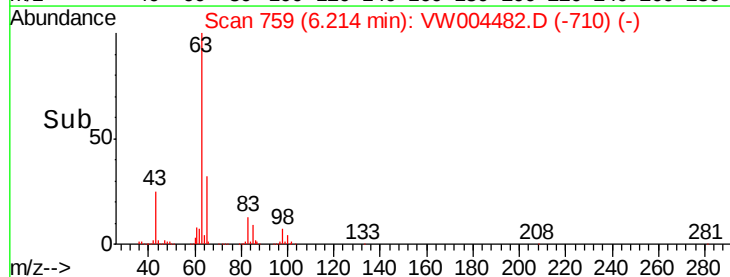
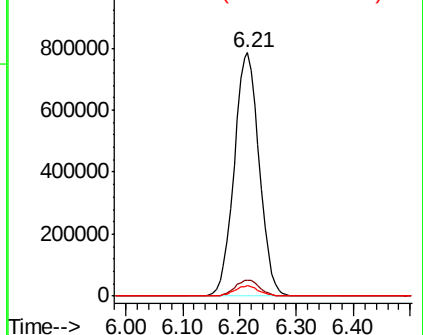
100 4.2 2.1 6.5

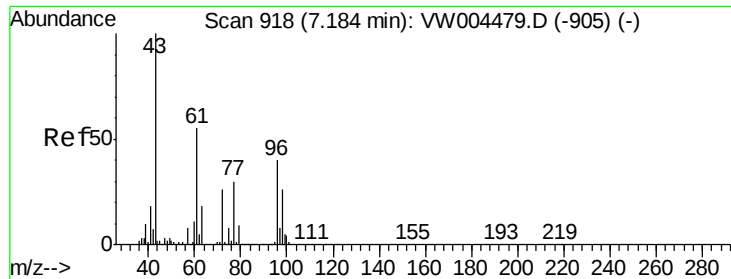


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 1100.34 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 2557914

Ion Ratio Lower Upper

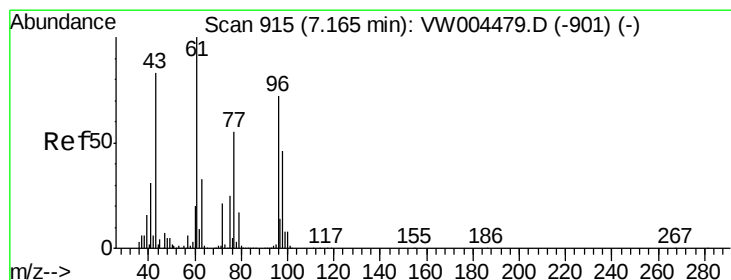
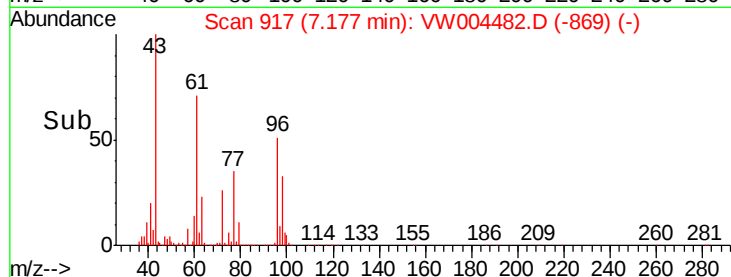
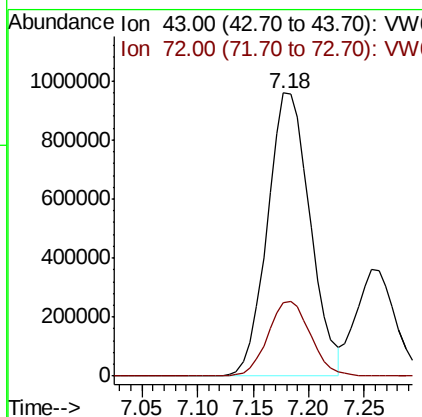
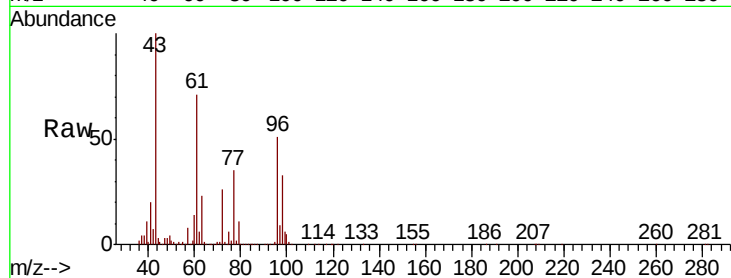
43 100

72 26.0 21.0 31.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 134.76 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004482.D

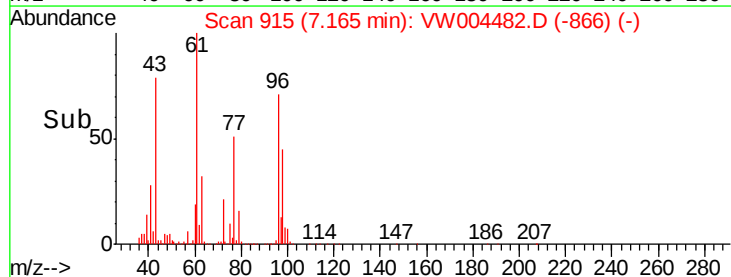
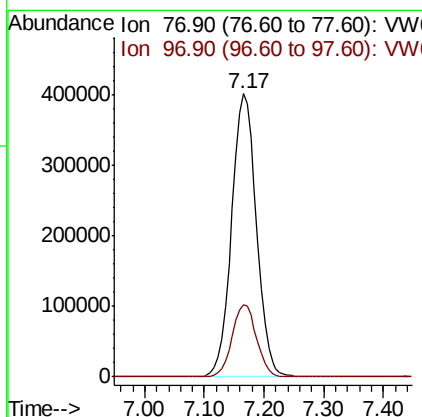
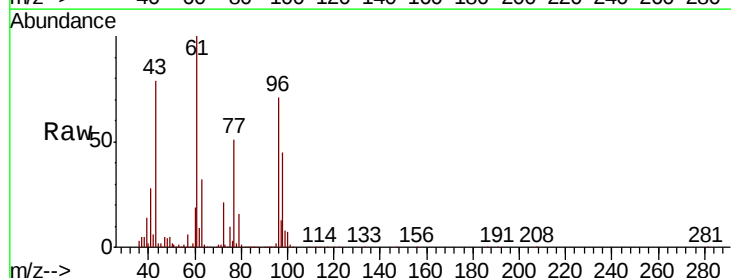
Acq: 06 Aug 2018 20:53

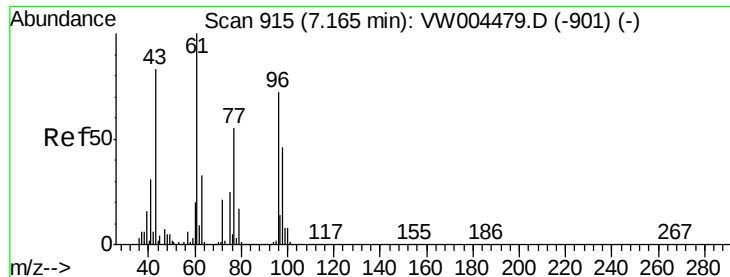
Tgt Ion: 77 Resp: 1160706

Ion Ratio Lower Upper

77 100

97 25.1 12.5 37.5





#27

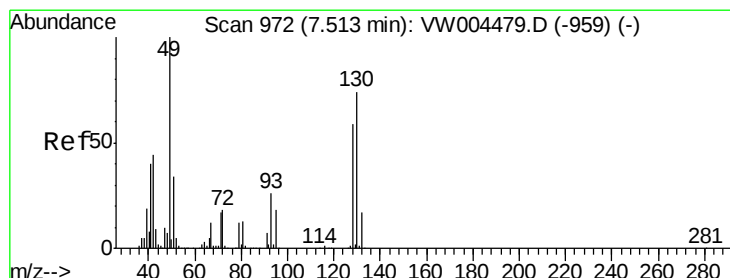
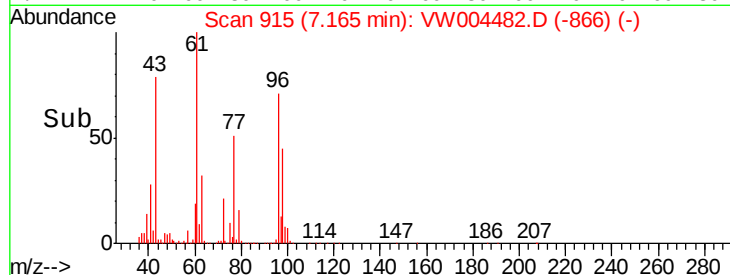
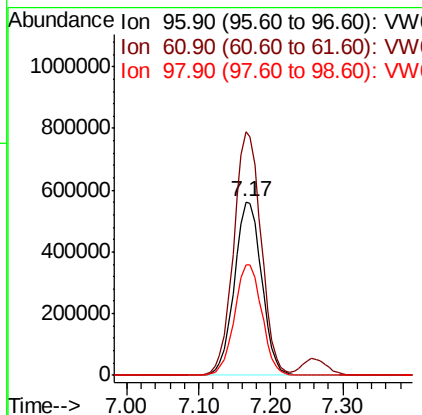
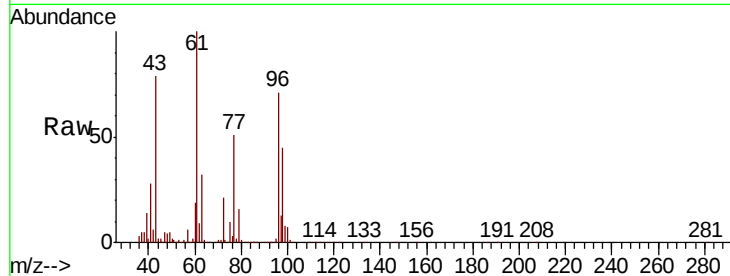
cis-1,2-Dichloroethene
Concen: 172.99 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	285.0
98	64.2	0.0	128.6

Manual Integrations
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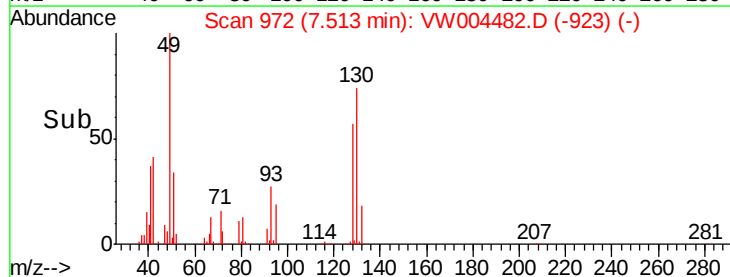
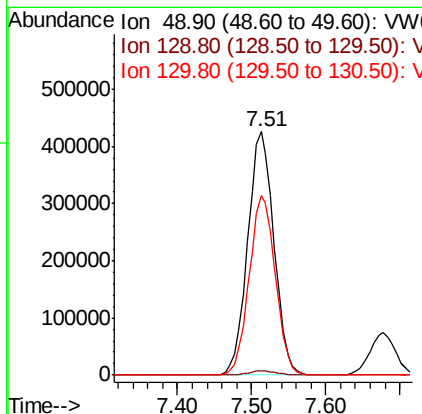
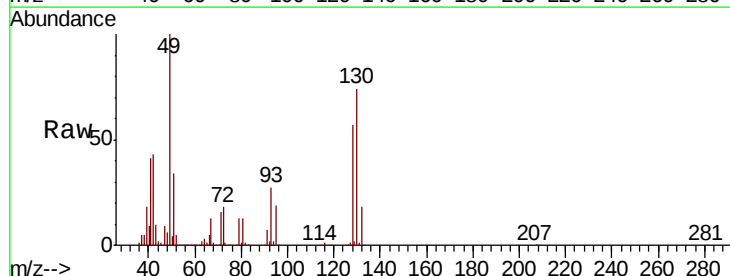
apatel
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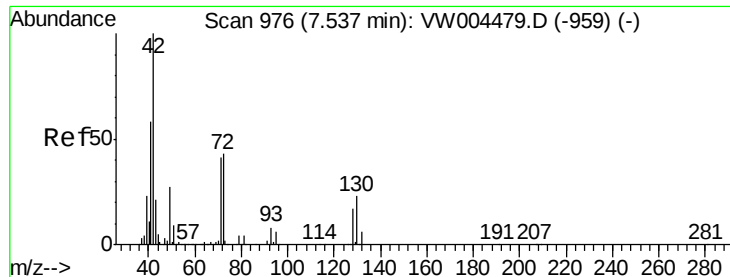


#28

Bromochloromethane
Concen: 189.74 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	73.7	58.8	88.2





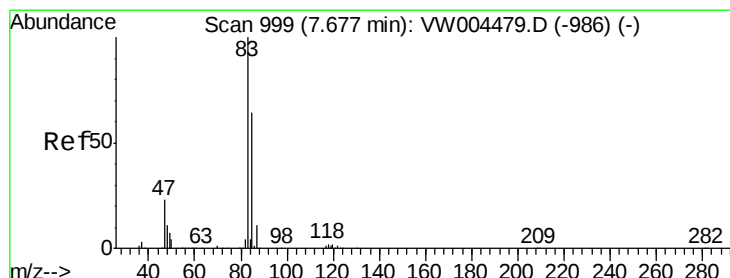
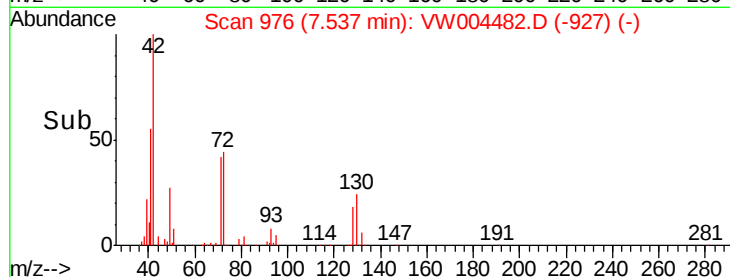
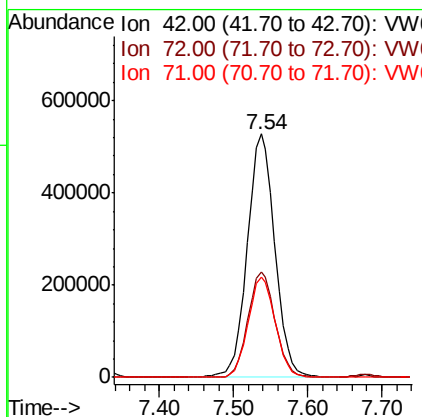
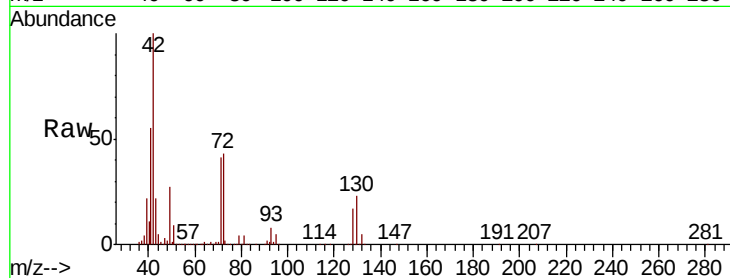
#29
Tetrahydrofuran
Concen: 957.07 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:	42	Resp:	1368040
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.1	51.1
71	40.7	32.5	48.7

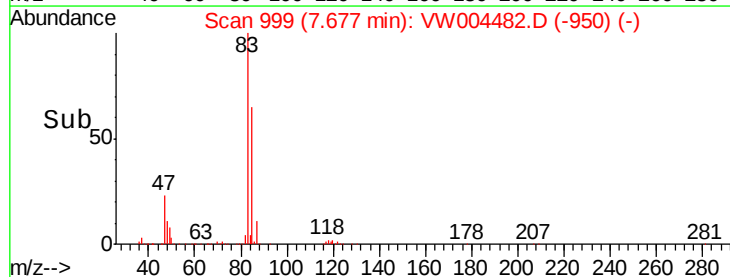
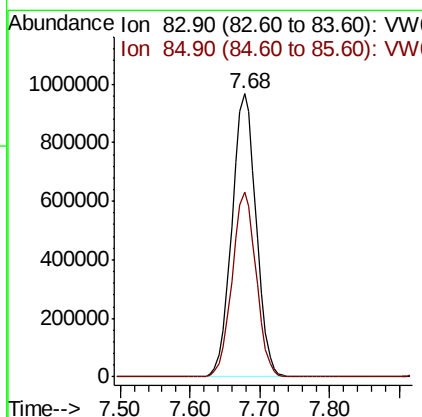
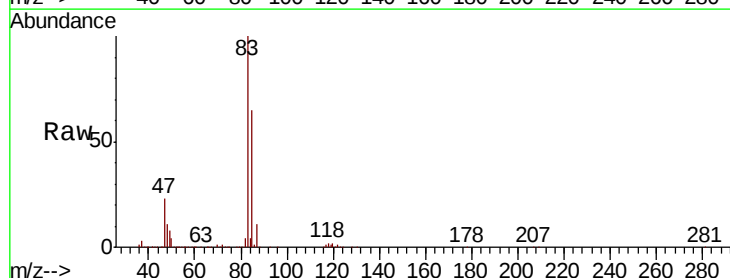
Manual Integrations
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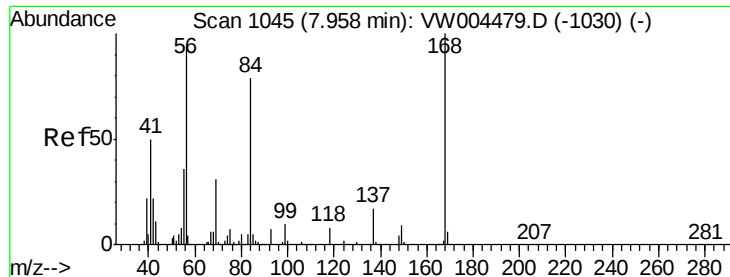
apatel
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#30
Chloroform
Concen: 159.75 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion:	83	Resp:	2321435
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.3	76.9





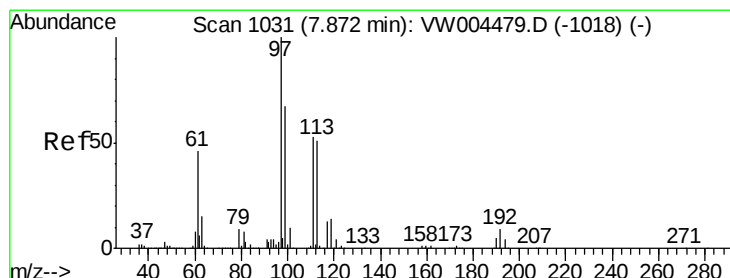
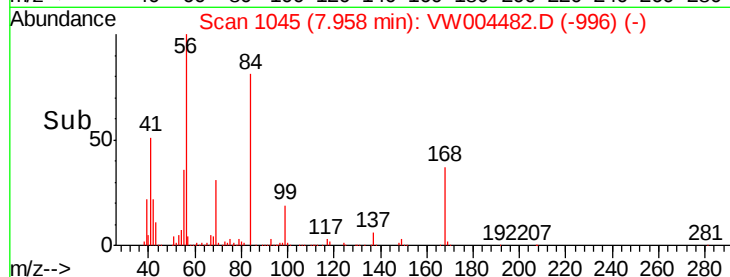
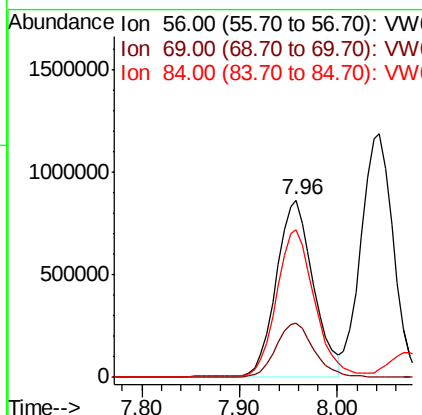
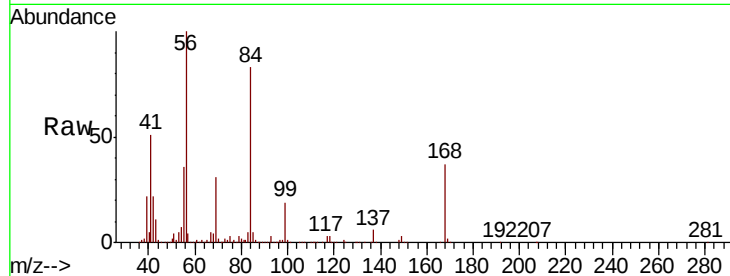
#31
Cyclohexane
Concen: 169.49 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	26.4	39.6
84	82.6	66.9	100.3

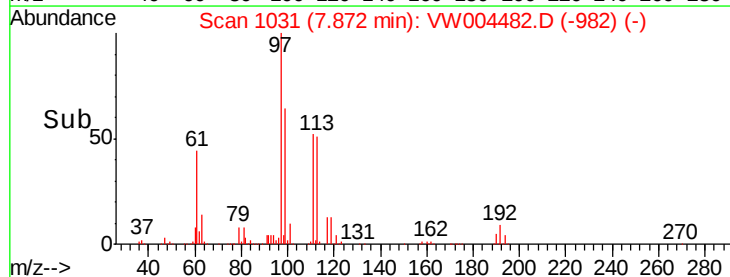
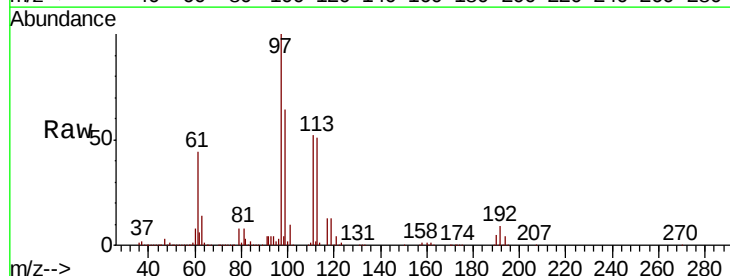
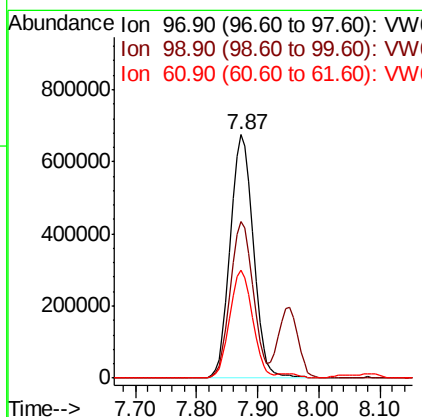
Manual Integrations
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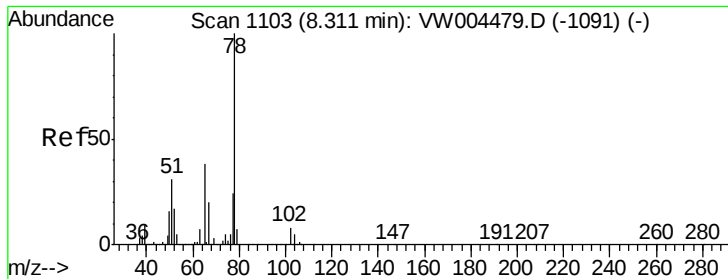
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#32
1,1,1-Trichloroethane
Concen: 149.15 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	43.8	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 159.65 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 1250882

Ion Ratio Lower Upper

65 100

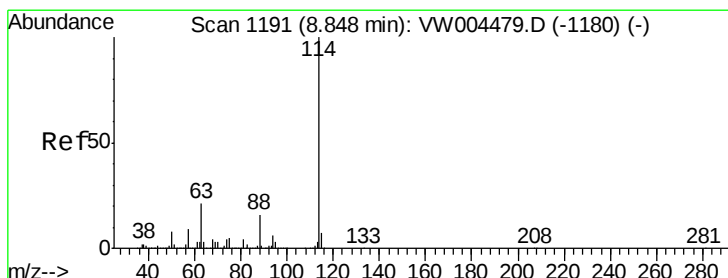
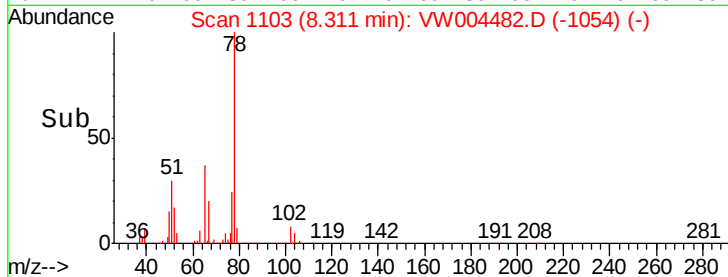
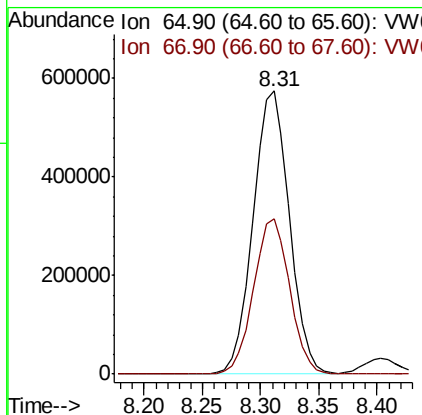
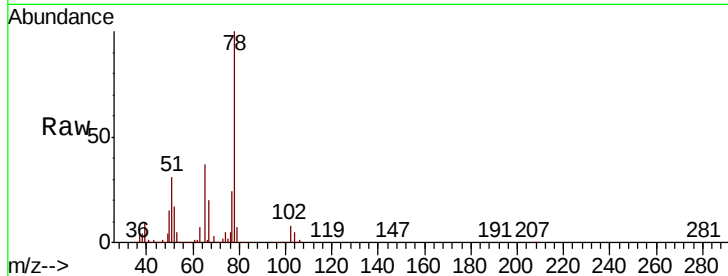
67 54.6 0.0 109.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

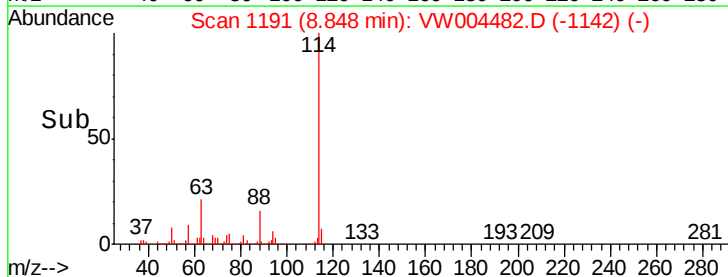
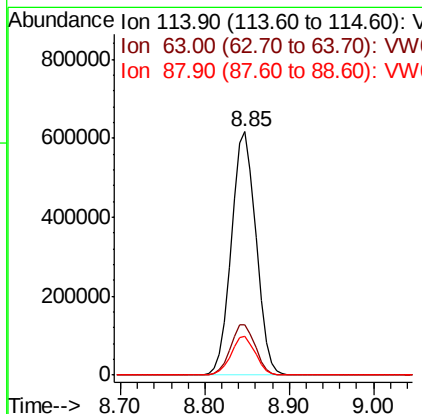
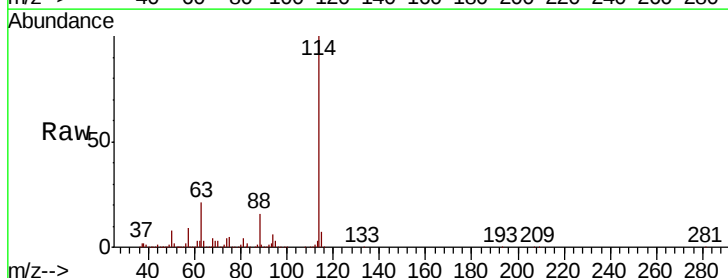
Tgt Ion: 114 Resp: 1215768

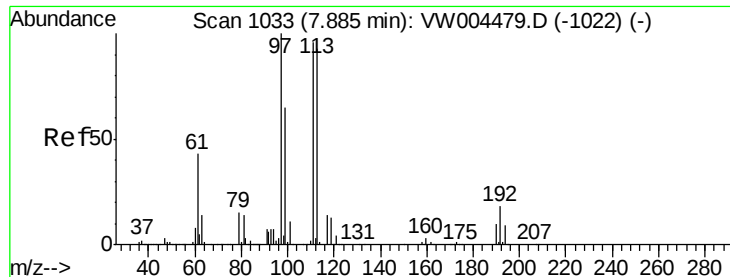
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

88 15.8 0.0 31.2





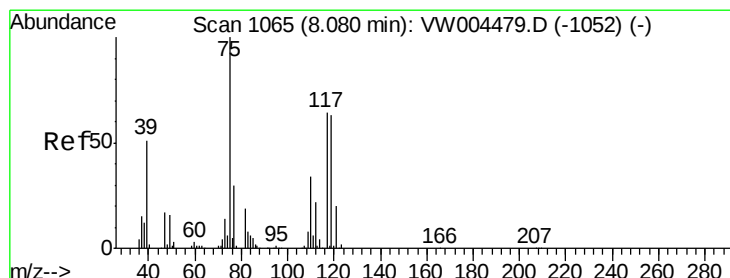
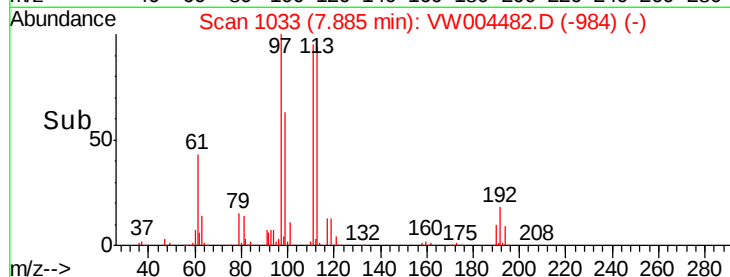
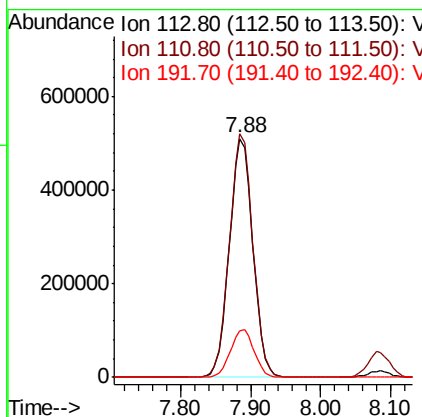
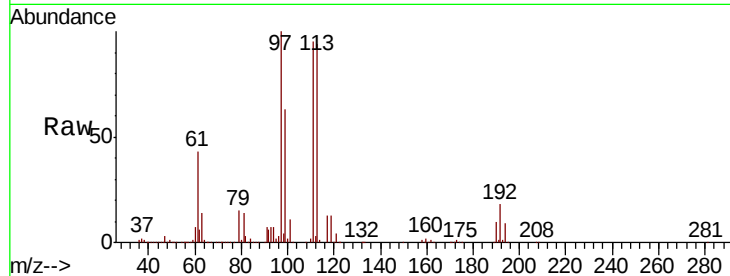
#35
 Dibromofluoromethane
 Concen: 153.32 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	20.1	15.8	23.6

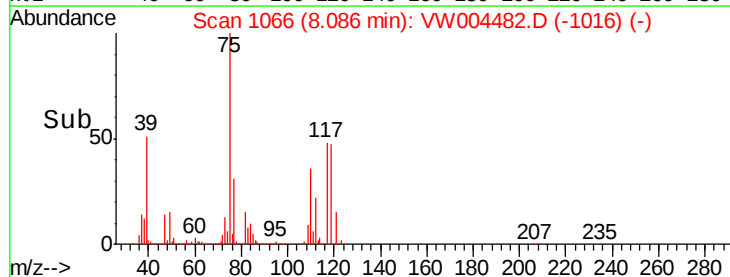
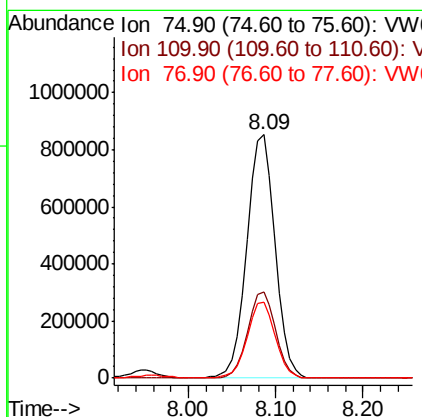
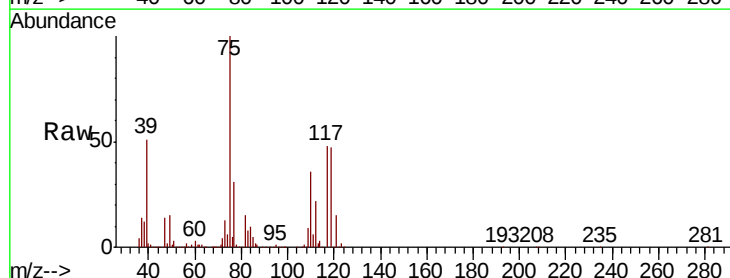
Manual Integrations
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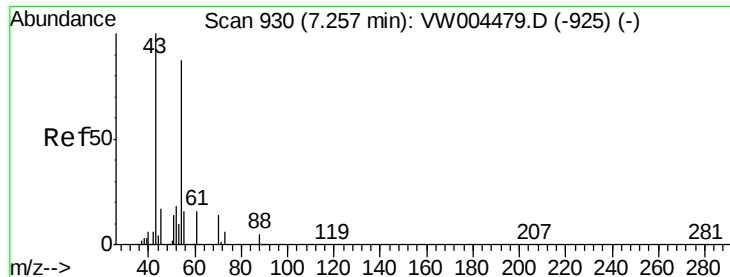
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#36
 1,1-Dichloropropene
 Concen: 154.77 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.4	52.2
77	31.1	24.7	37.1





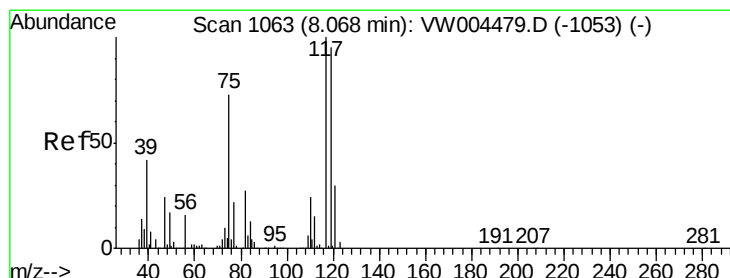
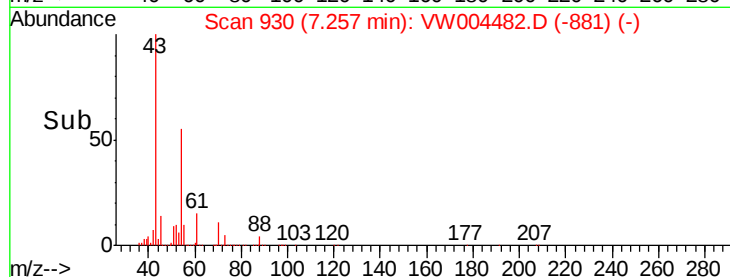
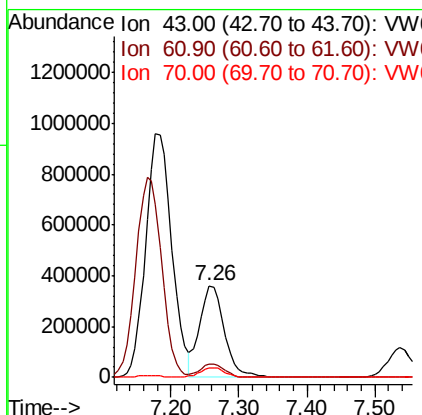
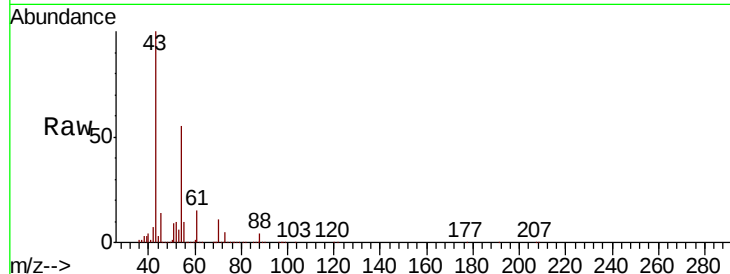
#37
Ethyl Acetate
Concen: 178.96 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	10.5	8.2	12.4

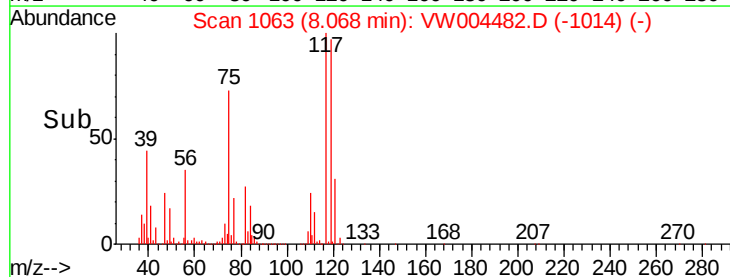
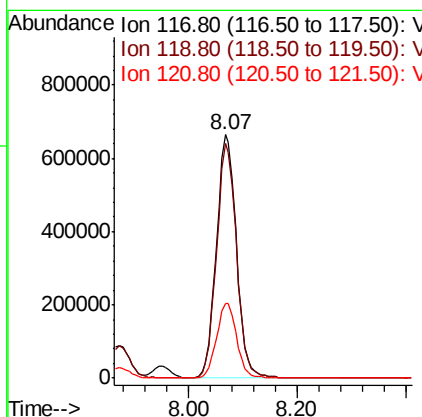
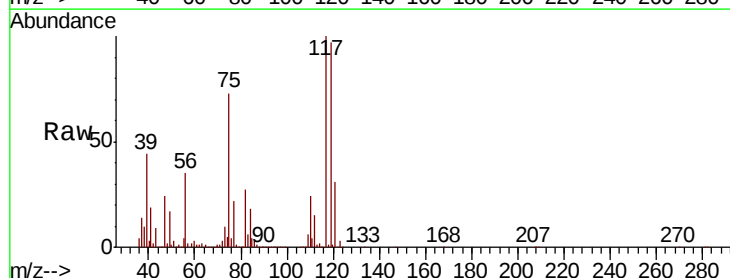
Manual Integrations
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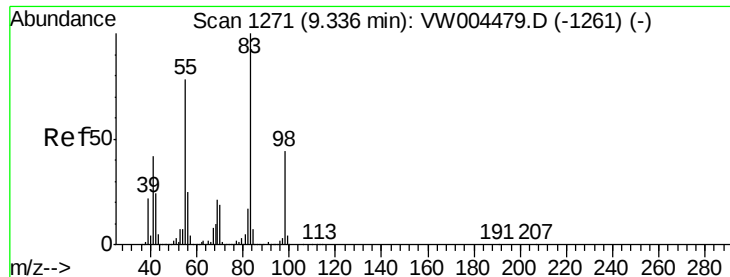
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#38
Carbon Tetrachloride
Concen: 141.19 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.1	114.1
121	30.9	24.2	36.4





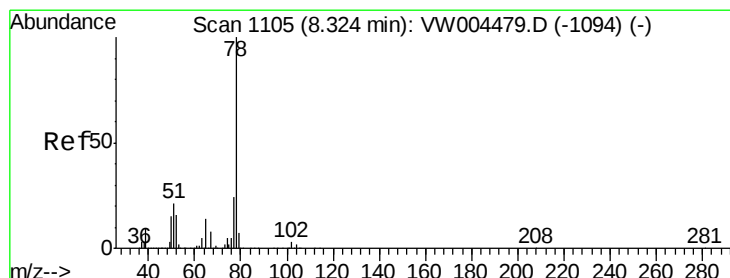
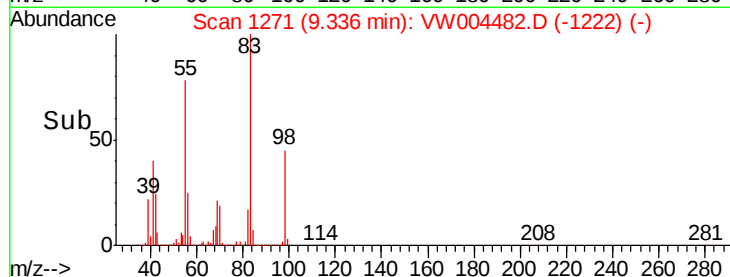
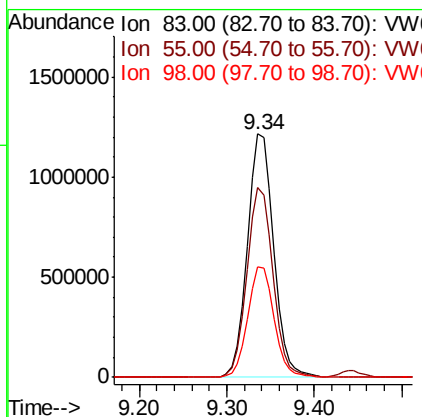
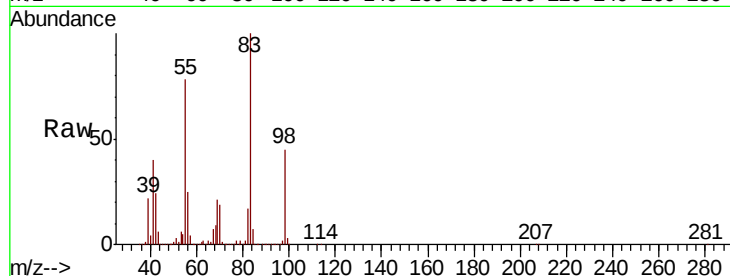
#39
Methvlcvclohexane
Concen: 169.67 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	62.5	93.7
98	45.5	35.4	53.2

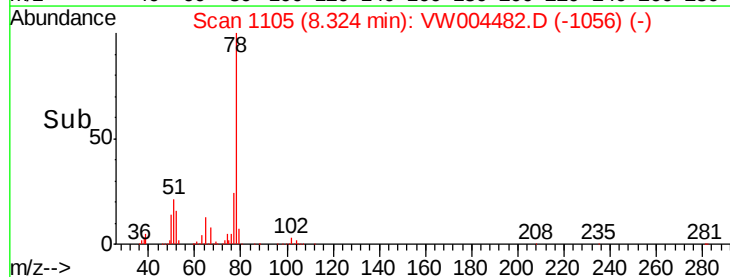
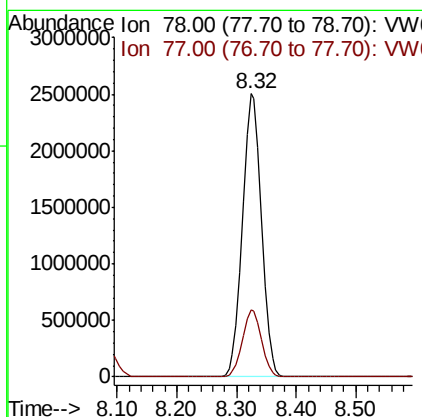
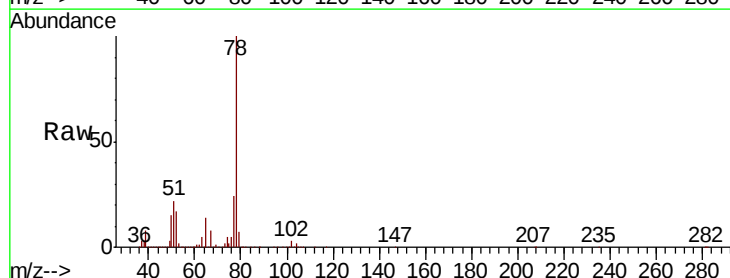
Manual Integrations
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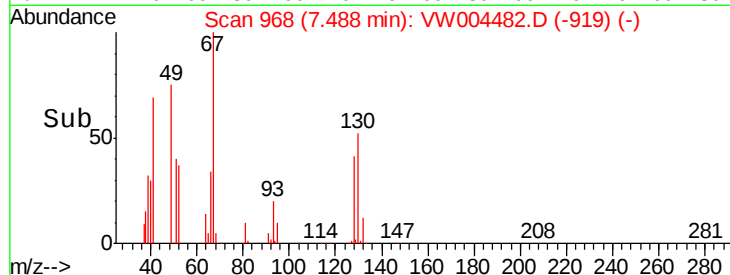
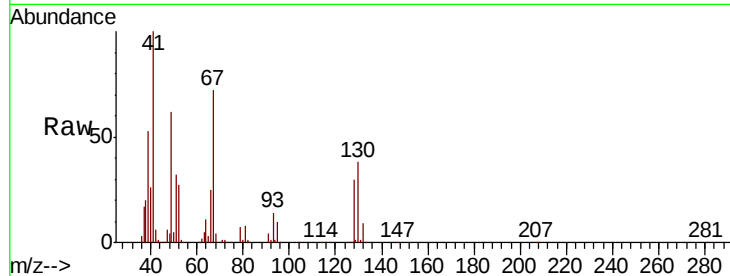
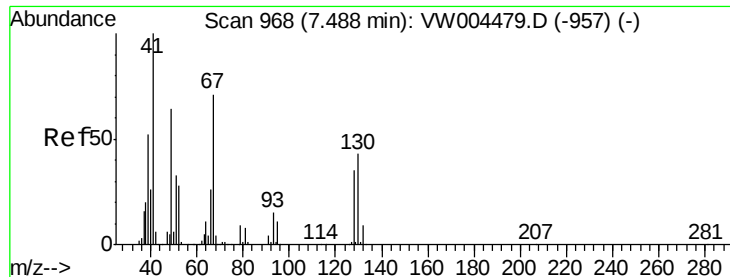
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#40
Benzene
Concen: 159.92 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





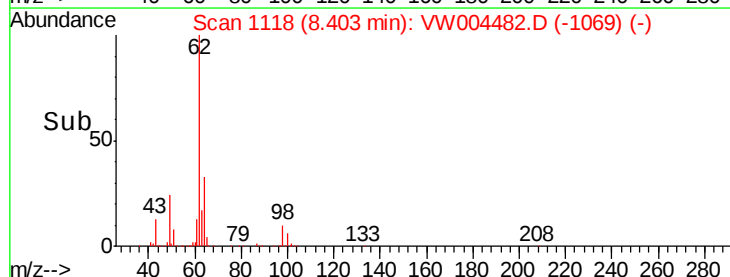
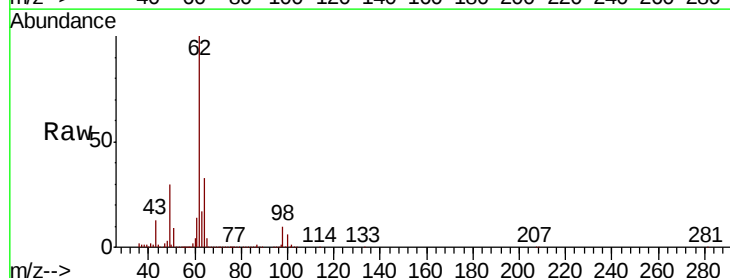
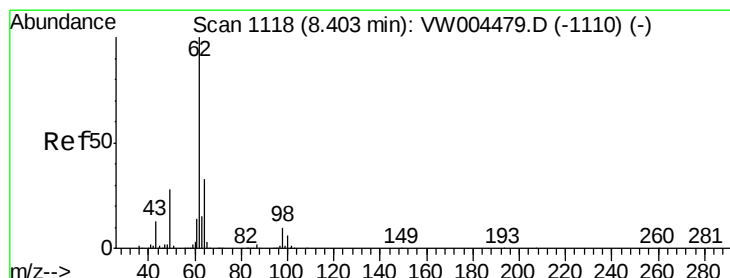
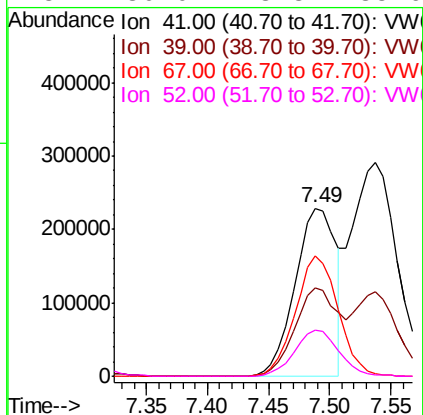
#41
Methacrylonitrile
Concen: 181.01 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	56.7	46.2	69.2
67	67	75.5	60.8	91.2
52	52	30.0	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

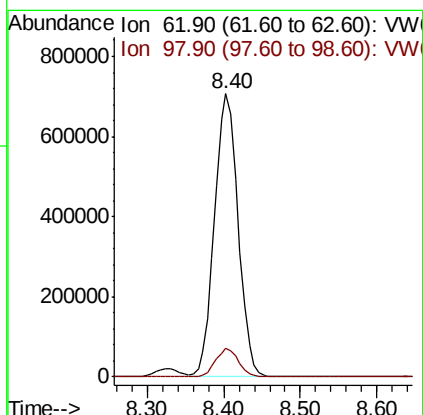
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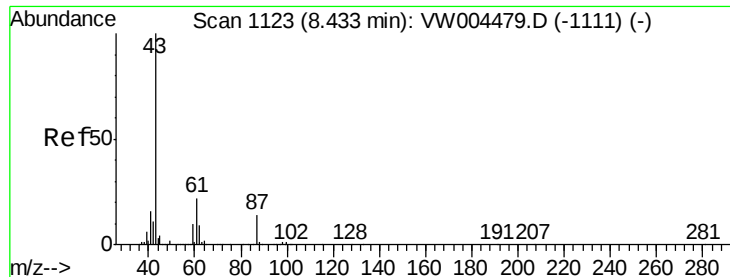
apatel
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#42
1,2-Dichloroethane
Concen: 152.76 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 189.43 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1734510

Ion Ratio Lower Upper

43 100

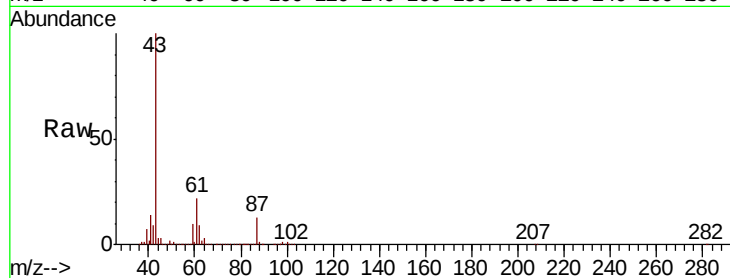
61 30.5 25.2 37.8

87 13.1 10.6 16.0

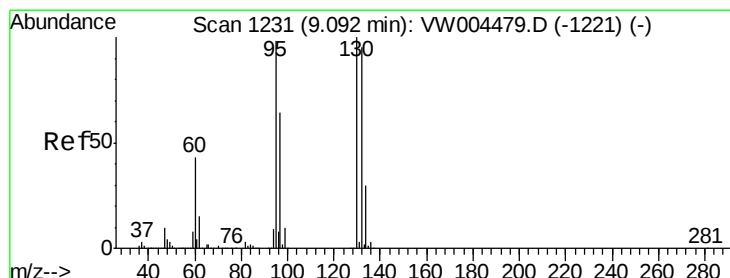
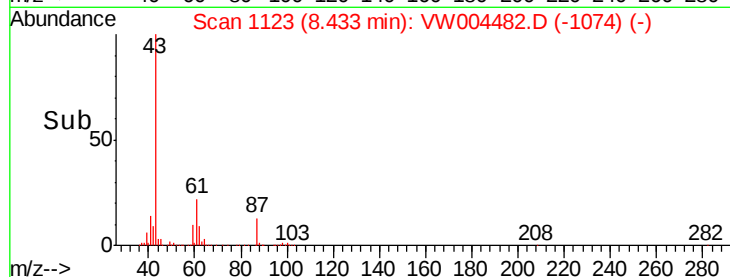
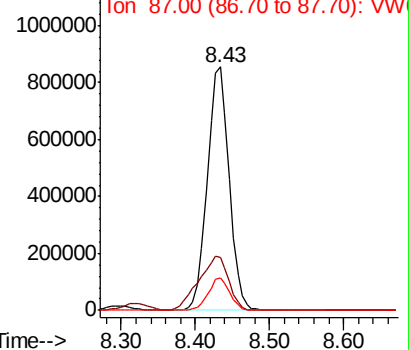
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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 149.45 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004482.D

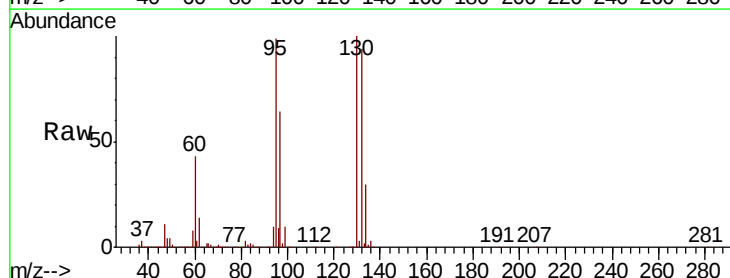
Acq: 06 Aug 2018 20:53

Tgt Ion:130 Resp: 1387484

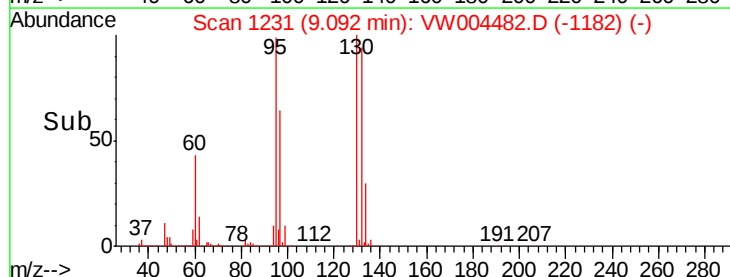
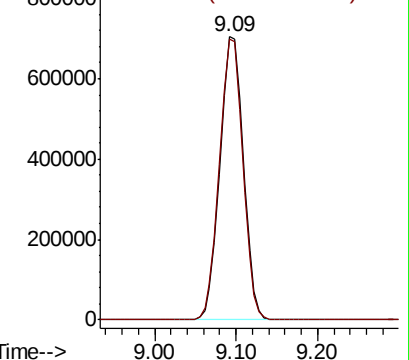
Ion Ratio Lower Upper

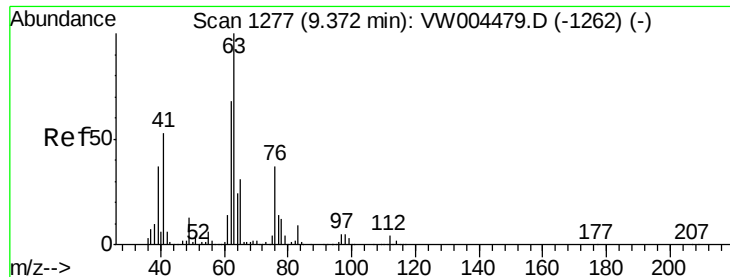
130 100

95 99.3 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





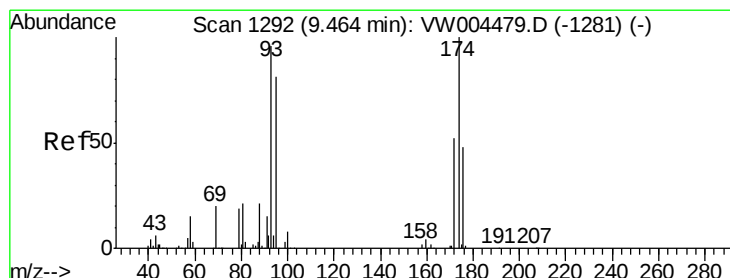
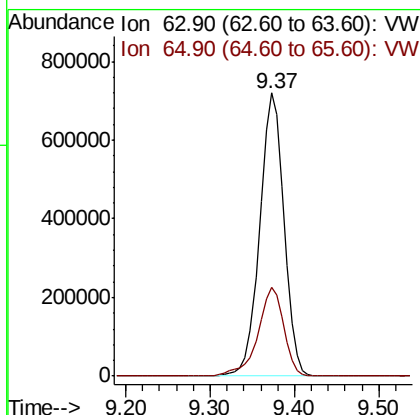
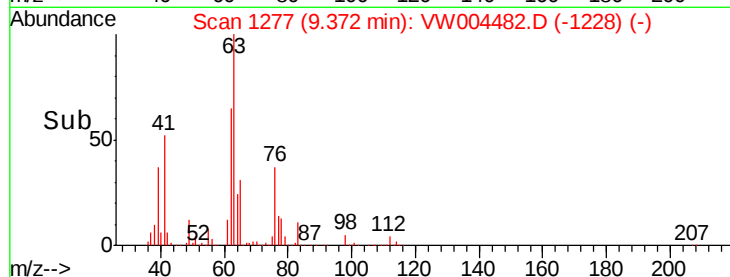
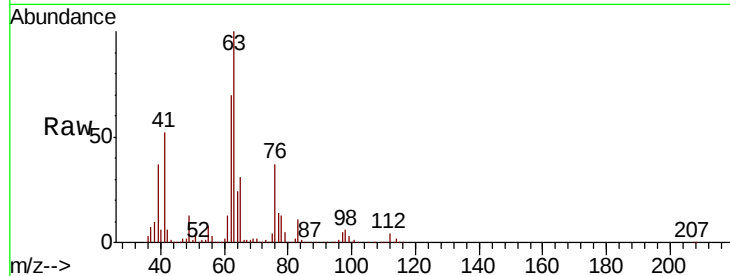
#45
 1,2-Dichloropropane
 Concen: 164.69 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1421136
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.5 36.7

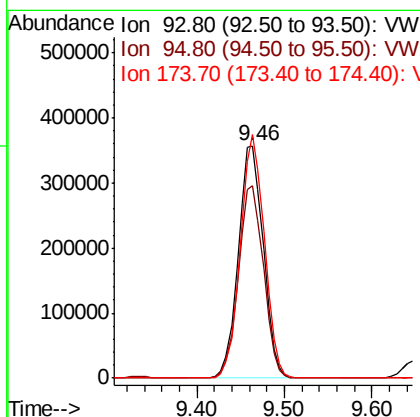
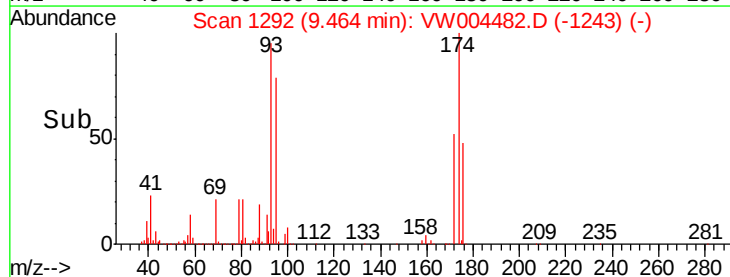
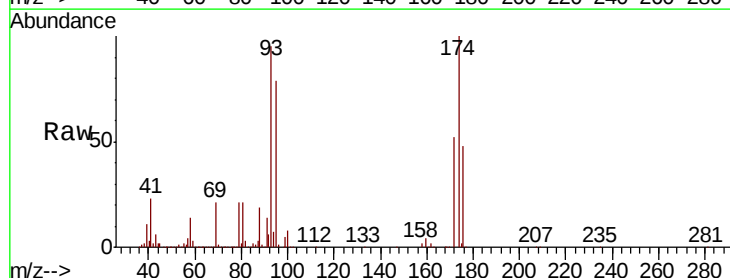
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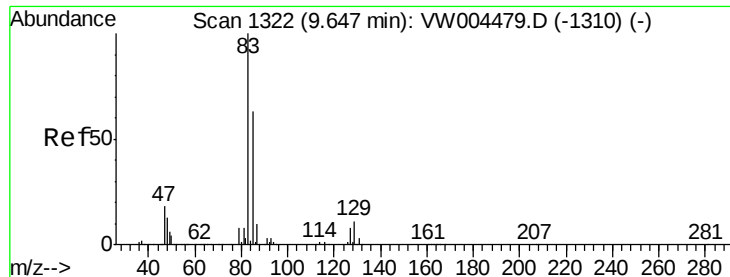
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#46
 Dibromomethane
 Concen: 160.23 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion: 93 Resp: 707808
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.4
 174 100.8 80.2 120.4





#47

Bromodichloromethane

Concen: 155.50 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 83 Resp: 1719804

Ion Ratio Lower Upper

83 100

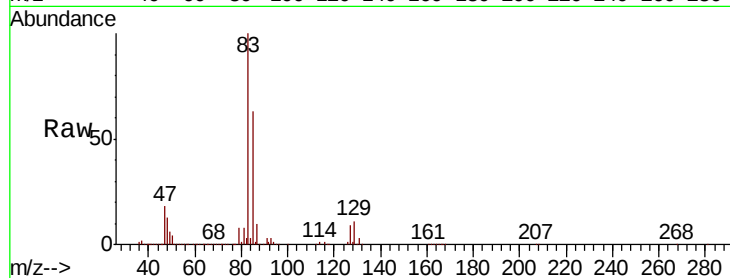
85 62.9 50.7 76.1

127 8.5 6.5 9.7

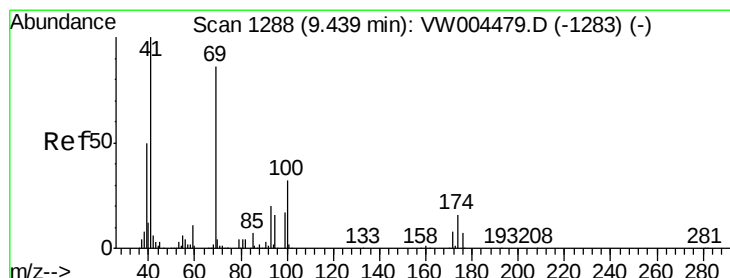
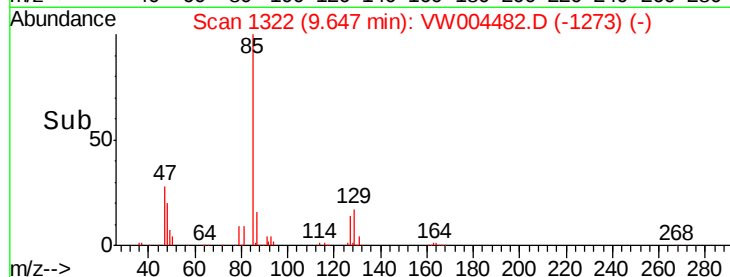
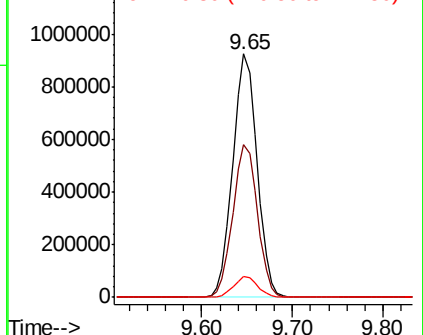
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 179.27 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

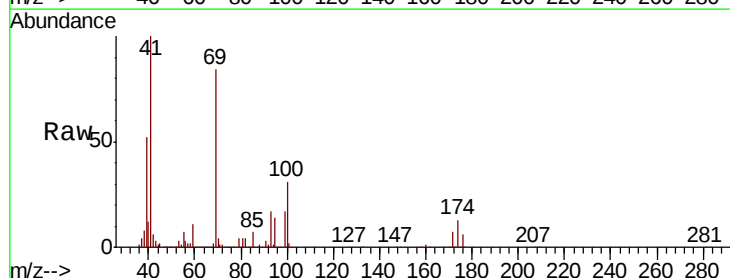
Tgt Ion: 41 Resp: 829269

Ion Ratio Lower Upper

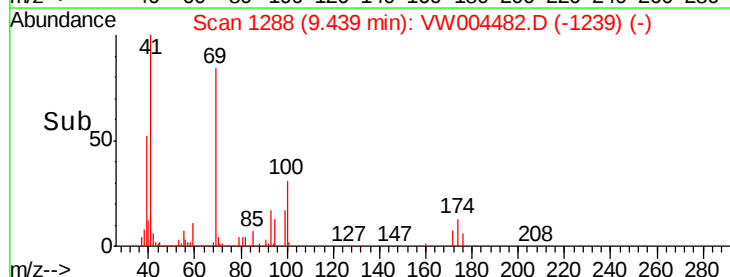
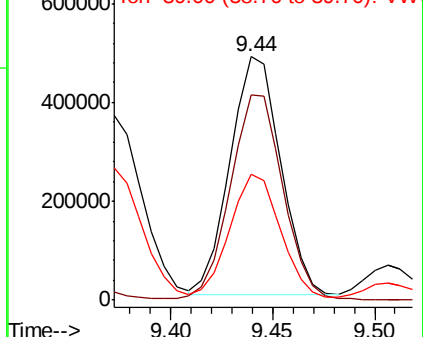
41 100

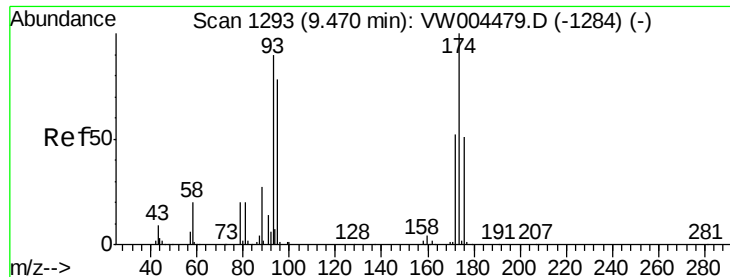
69 90.5 73.2 109.8

39 51.3 40.6 60.8



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 3487.35 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

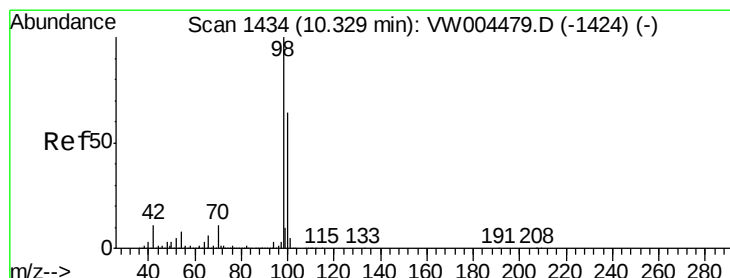
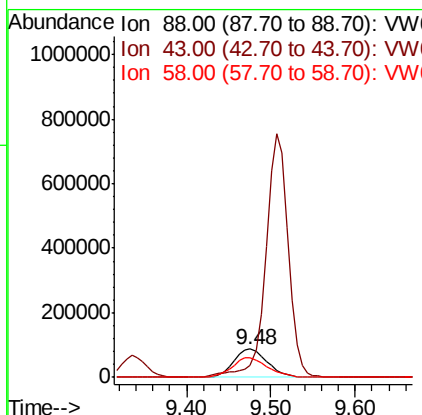
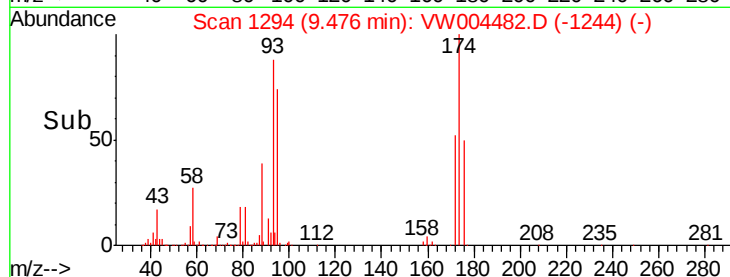
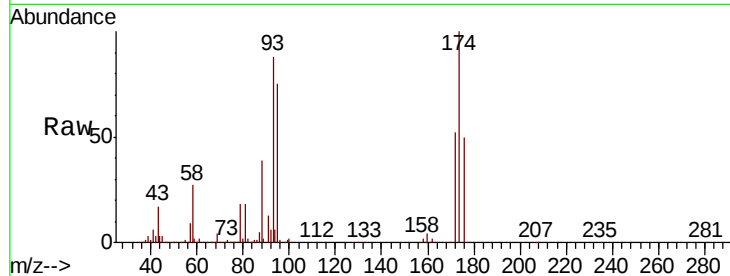
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	234101
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.1	63.5	95.3

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#50

Toluene-d8

Concen: 151.70 ug/l

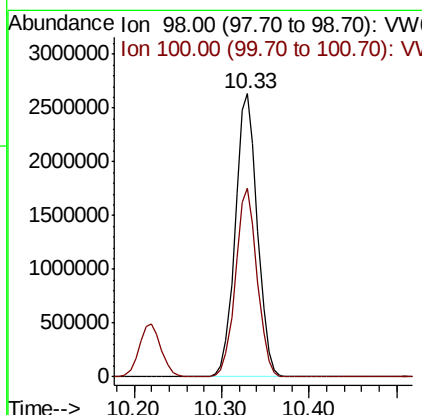
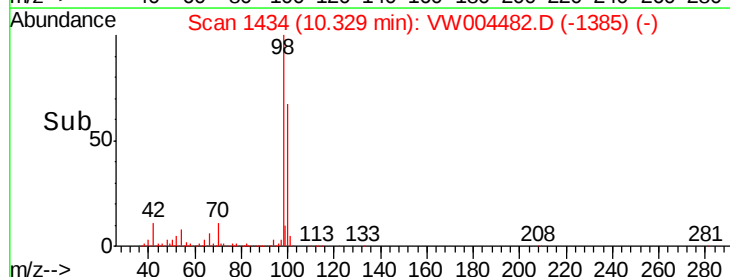
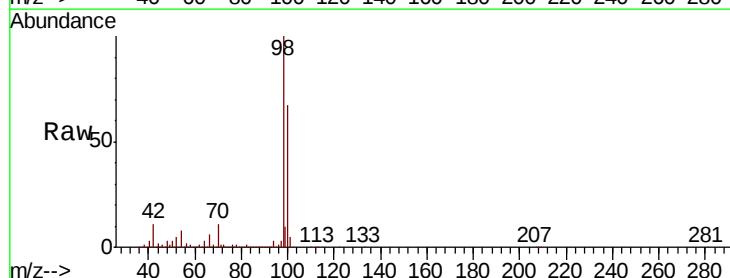
RT: 10.33 min Scan# 1434

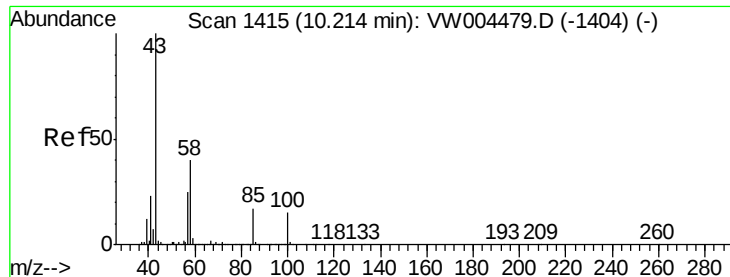
Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Tgt Ion:	98	Resp:	4618394
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 1081.31 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 5764962

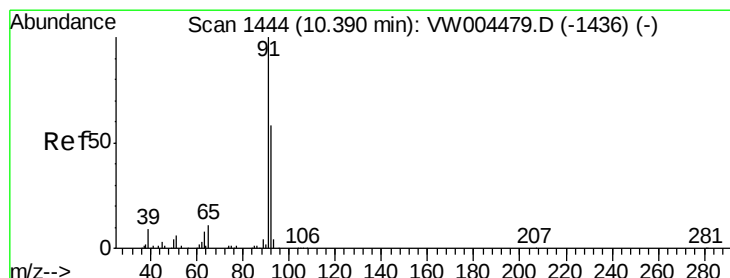
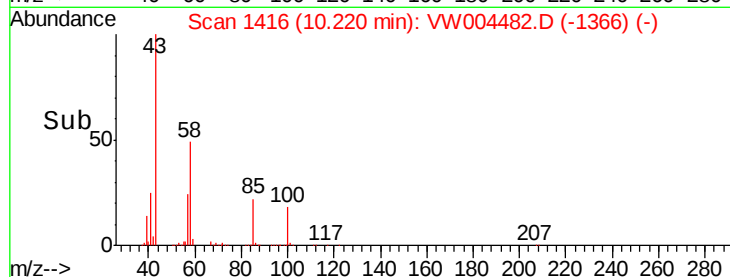
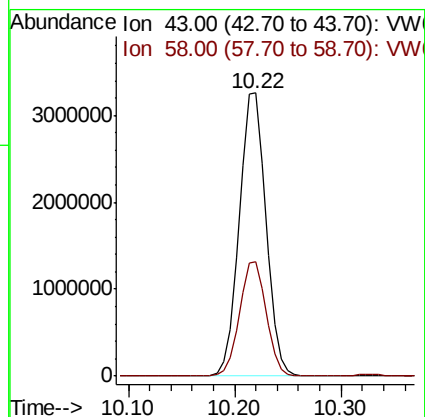
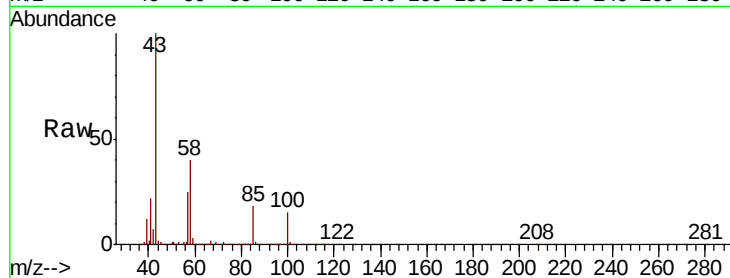
Ion Ratio Lower Upper

43 100

58 40.3 31.9 47.9

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#52

Toluene

Concen: 153.95 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004482.D

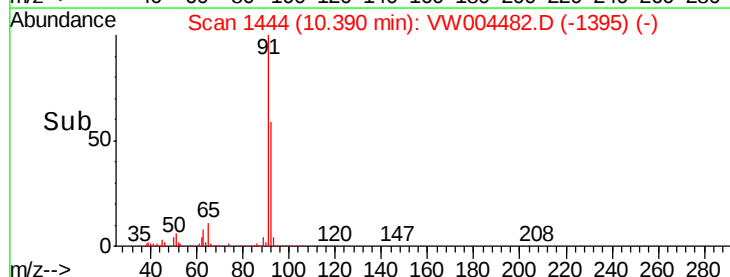
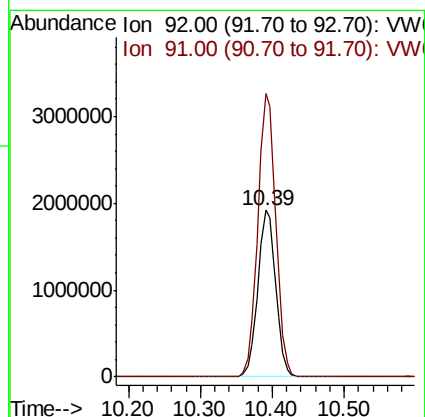
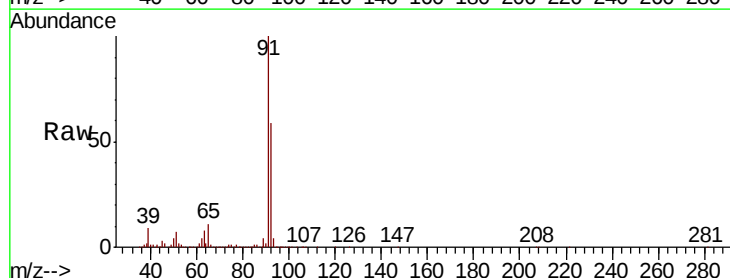
Acq: 06 Aug 2018 20:53

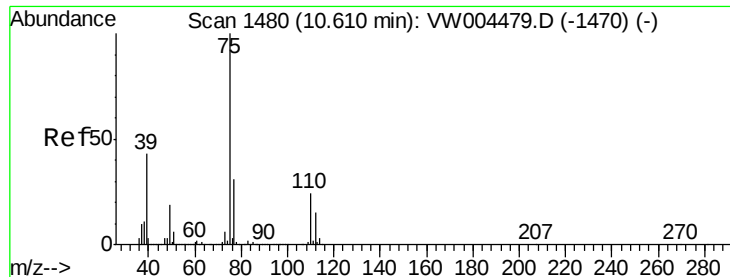
Tgt Ion: 92 Resp: 3336379

Ion Ratio Lower Upper

92 100

91 171.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 163.22 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1807943

Ion Ratio Lower Upper

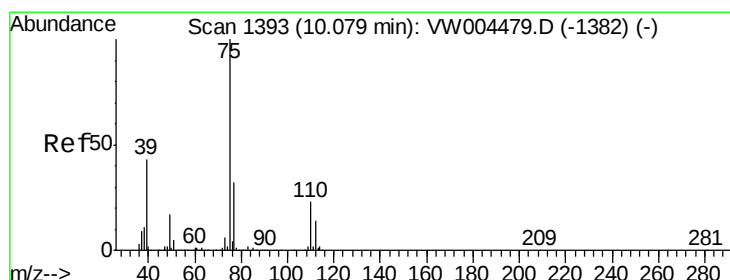
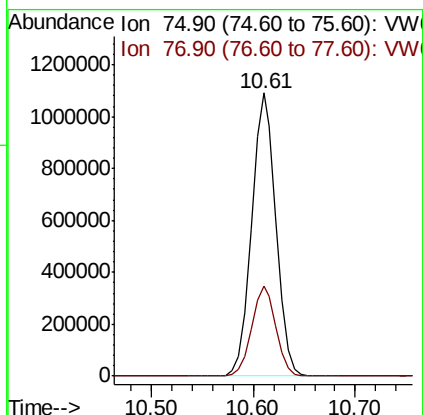
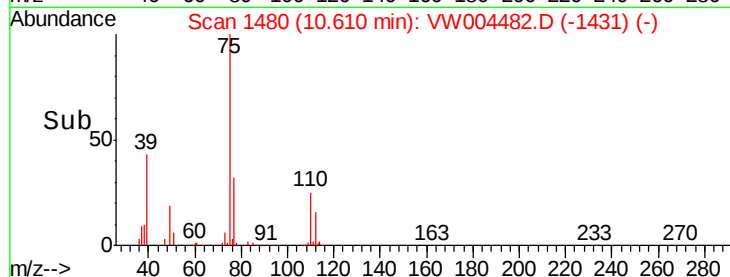
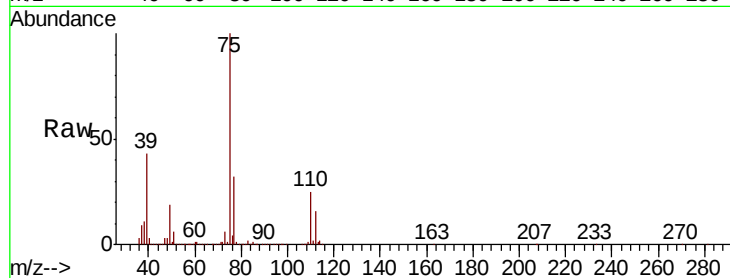
75 100

77 31.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 162.94 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

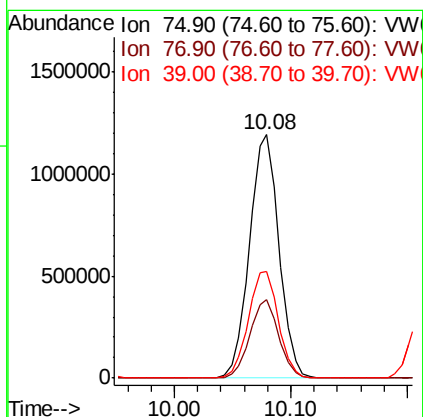
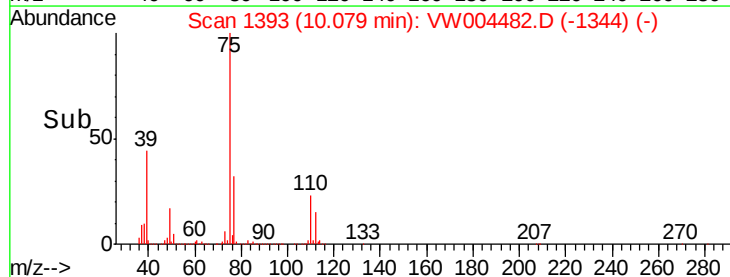
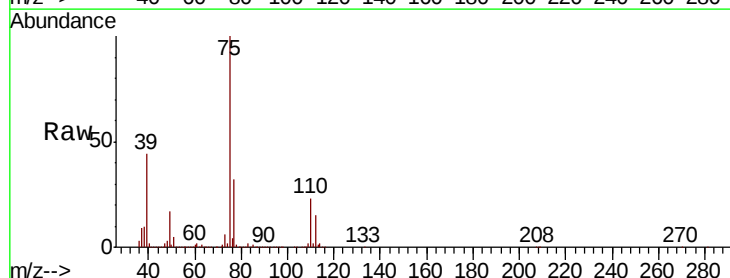
Tgt Ion: 75 Resp: 2105725

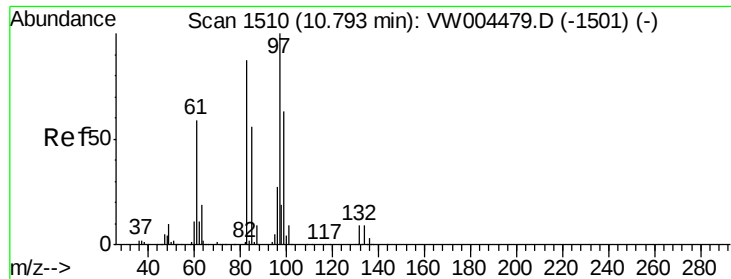
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 43.8 34.5 51.7





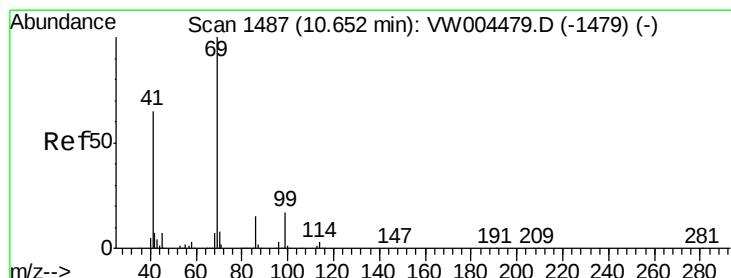
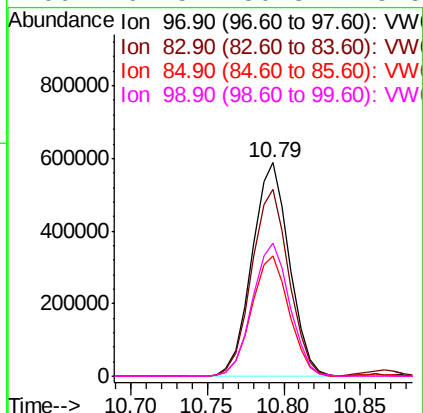
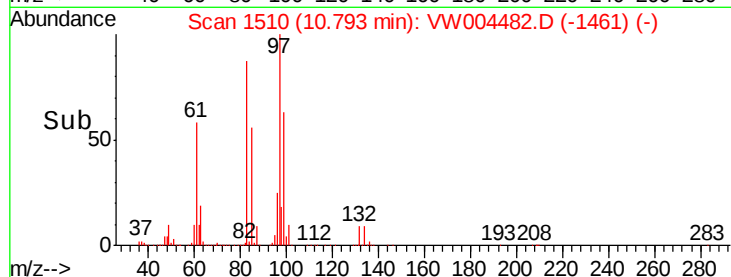
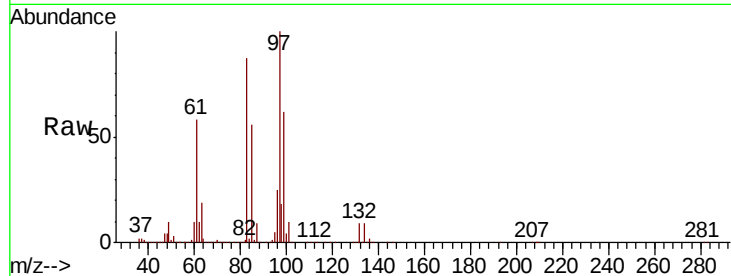
#55
 1,1,2-Trichloroethane
 Concen: 159.22 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		998852		
83	87.3	69.8	104.8		
85	56.1	45.1	67.7		
99	62.5	50.3	75.5		

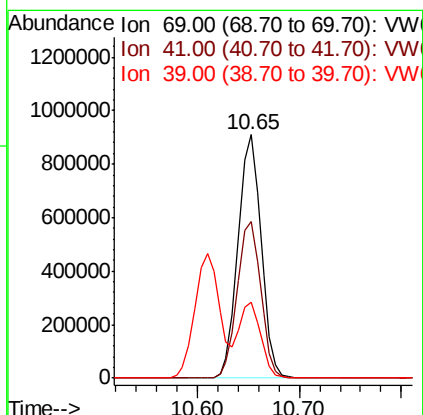
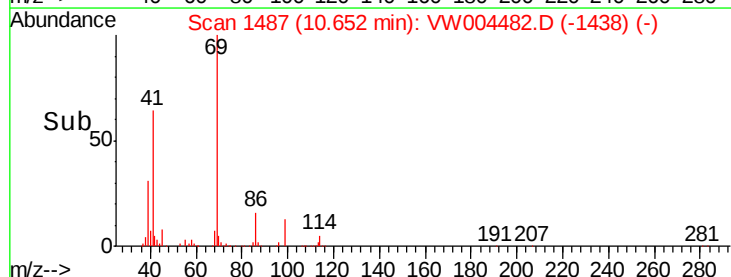
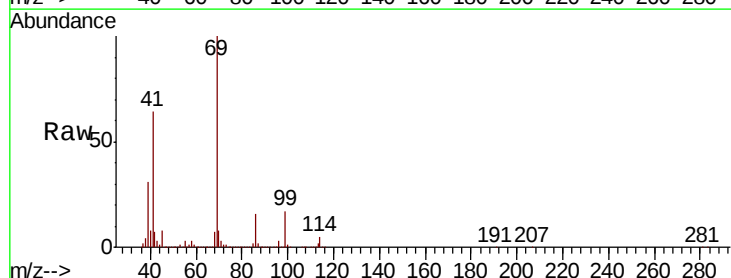
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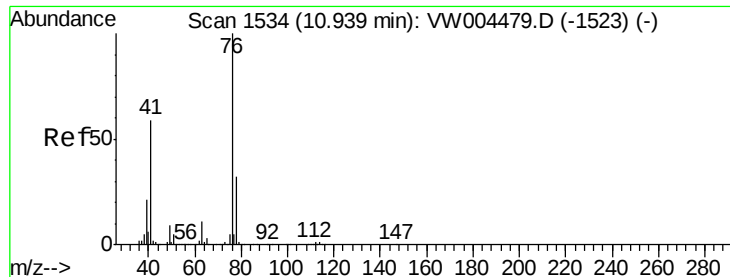
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#56
 Ethyl methacrylate
 Concen: 186.70 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		1423733		
41	65.3	52.4	78.6		
39	28.5	22.7	34.1		





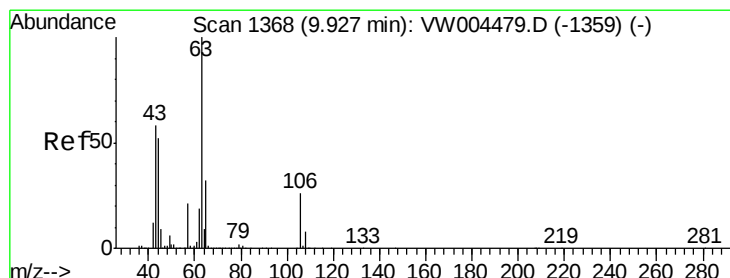
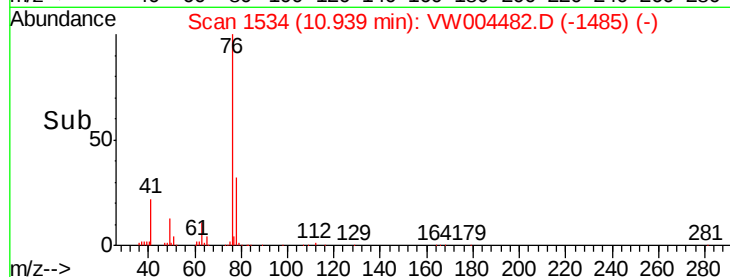
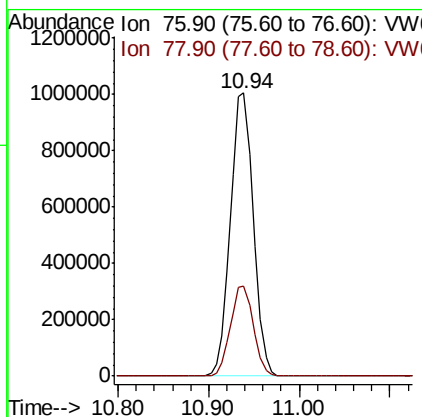
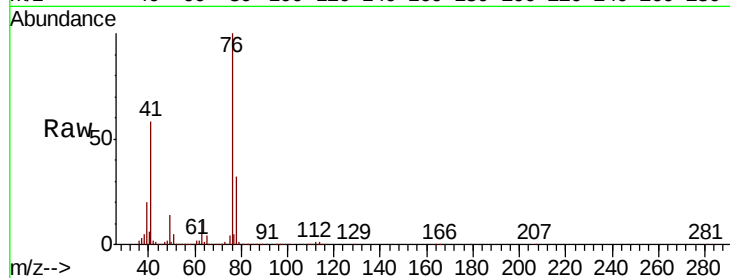
#57
 1,3-Dichloropropane
 Concen: 164.27 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1761635
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

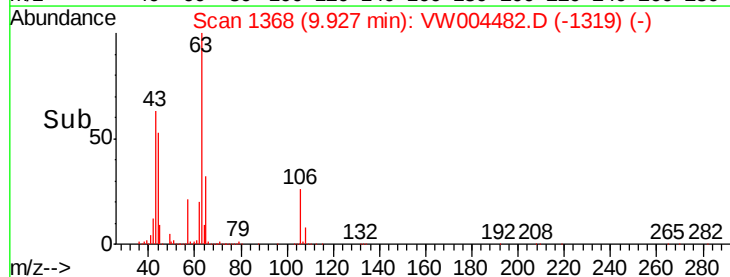
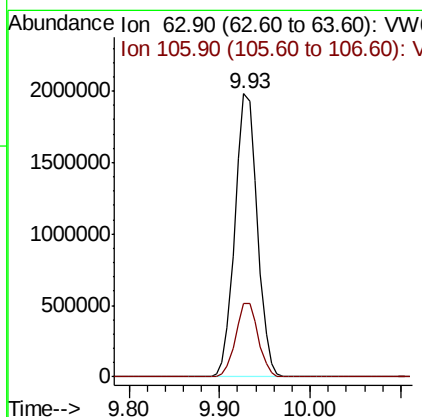
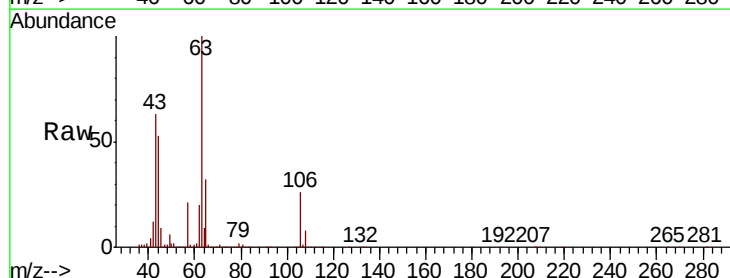
Manual Integrations
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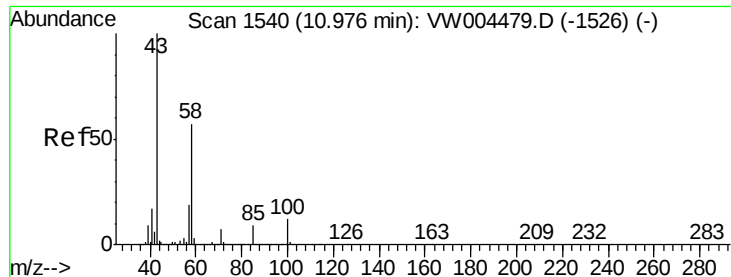
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 972.04 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion: 63 Resp: 3392575
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.3 31.9





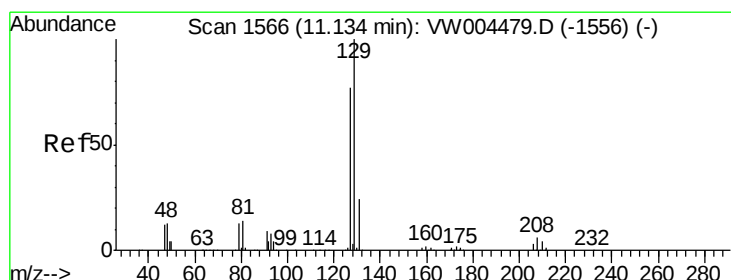
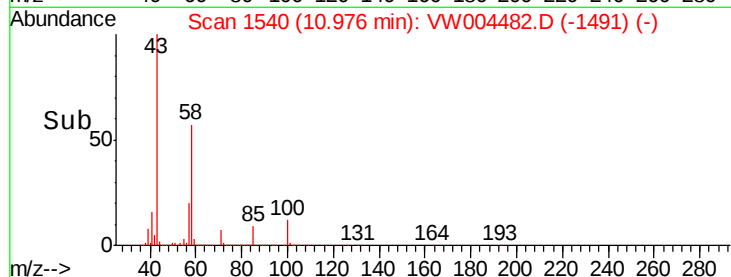
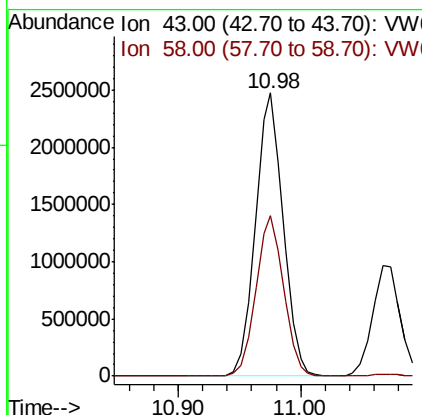
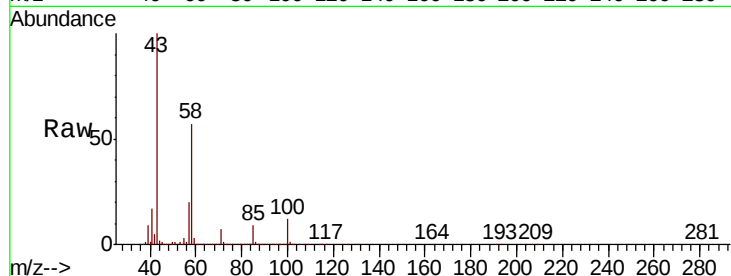
#59
2-Hexanone
Concen: 1071.80 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
VSTDICC150

Tot Ion: 43 Resp: 3910674
Ion Ratio Lower Upper
43 100
58 56.5 27.9 83.6

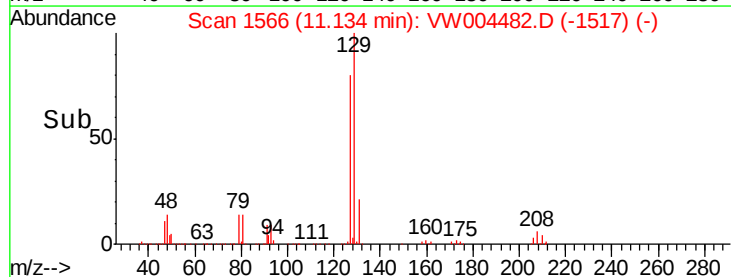
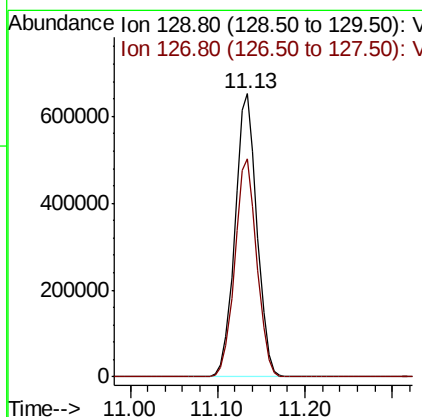
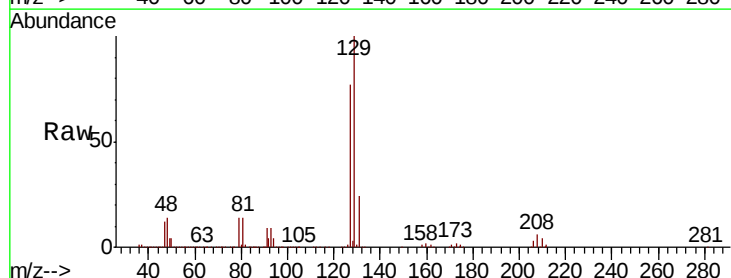
Manual Integrations
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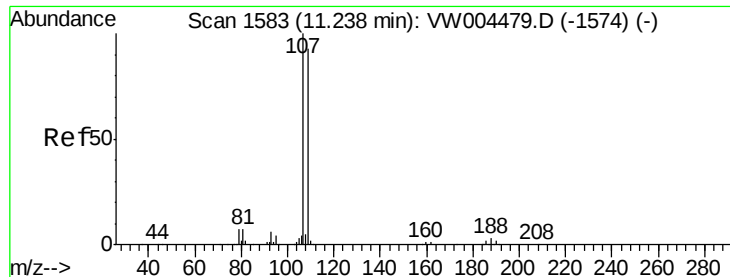
apatel
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#60
Dibromochloromethane
Concen: 152.61 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion: 129 Resp: 1136733
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





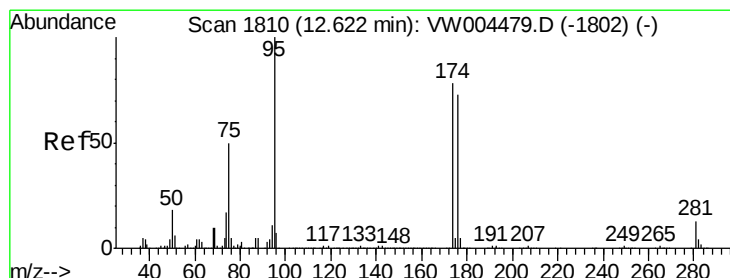
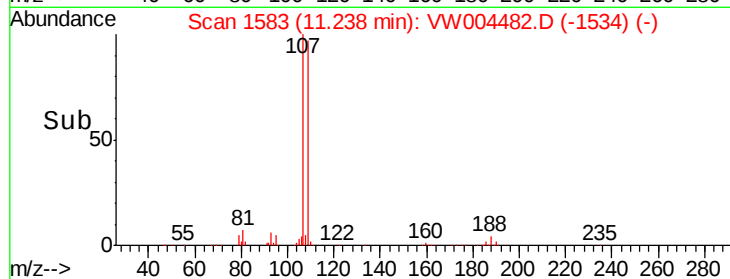
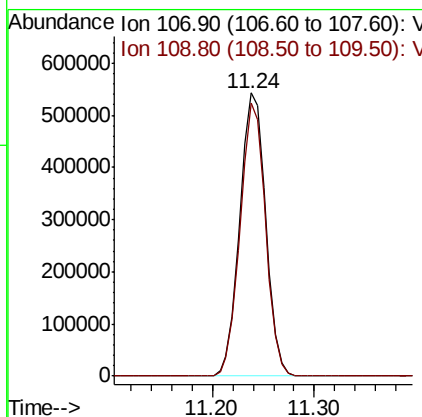
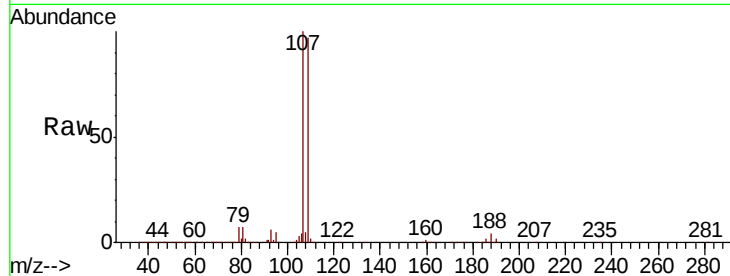
#61
 1,2-Dibromoethane
 Concen: 159.05 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.7	113.5

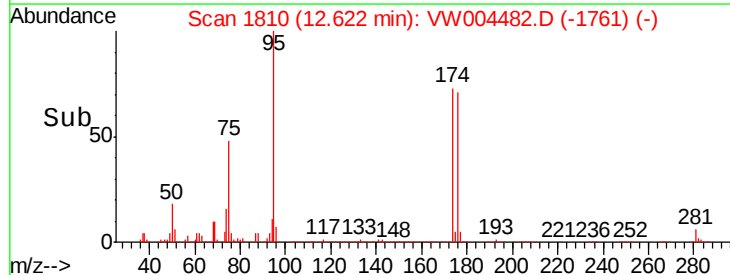
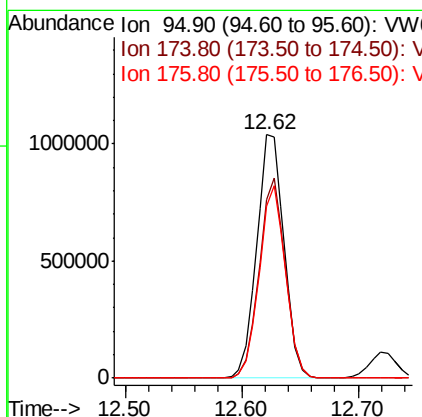
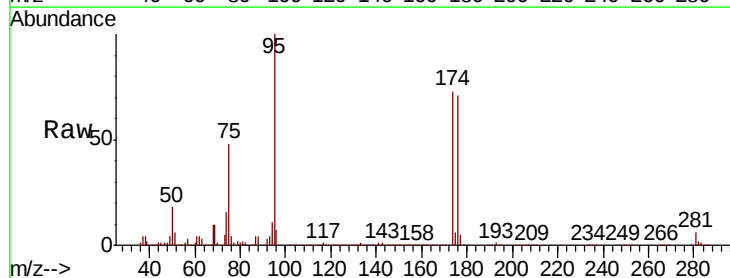
Manual Integrations
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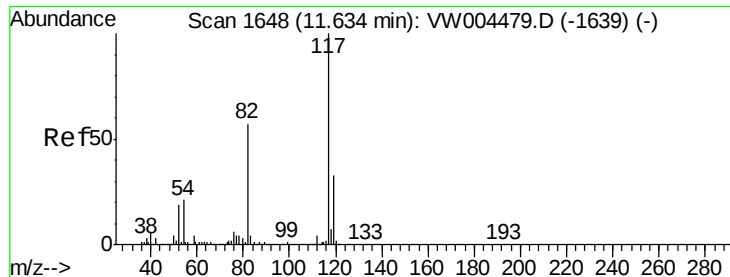
apatel
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#62
 4-Bromofluorobenzene
 Concen: 156.80 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	160.4
176	76.4	0.0	153.2





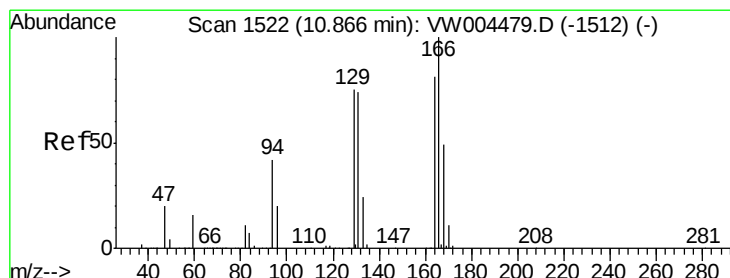
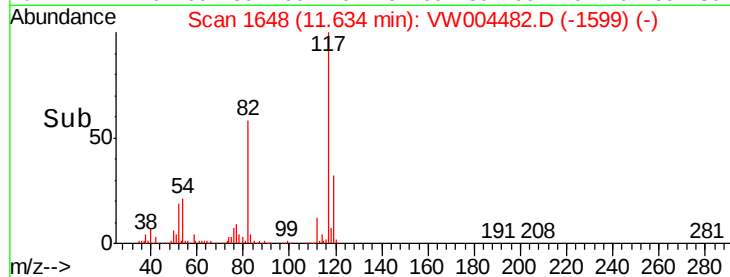
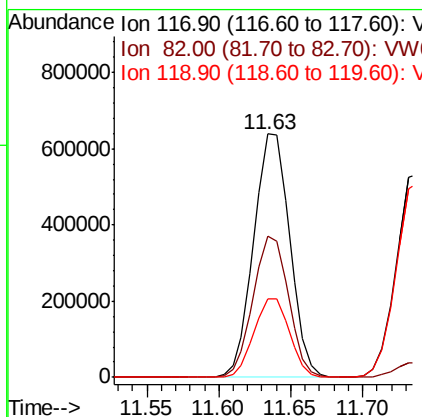
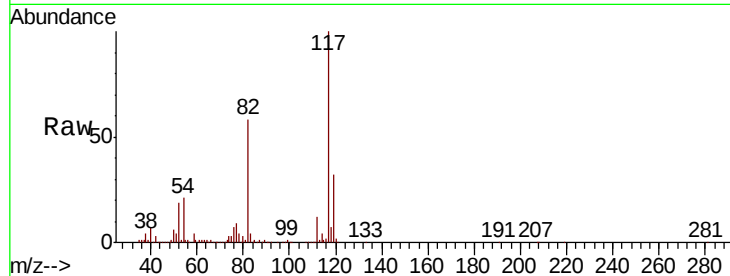
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.3	67.9
119	32.0	26.2	39.4

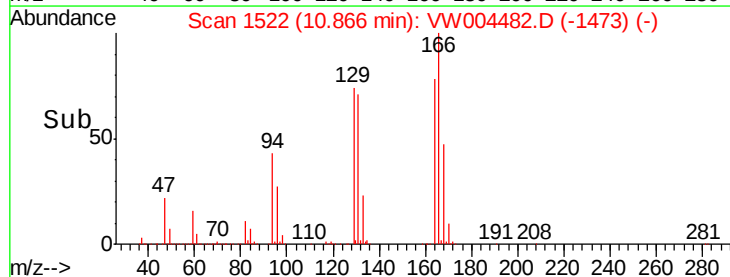
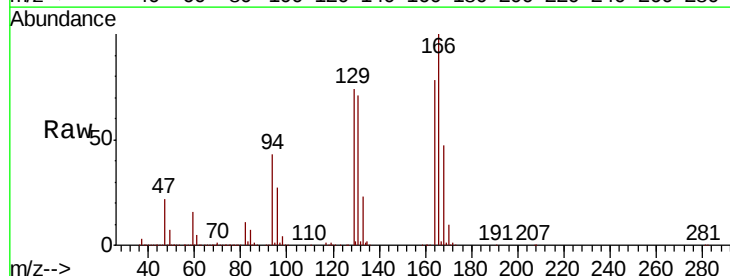
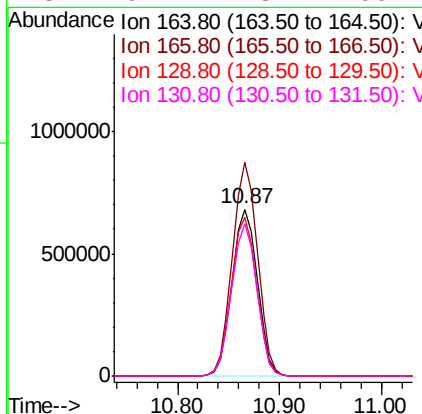
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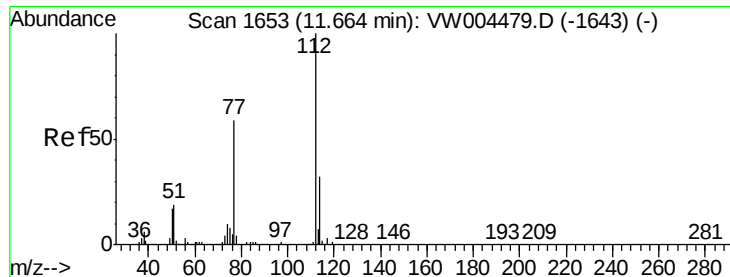
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#64
Tetrachloroethene
Concen: 144.71 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	98.4	147.6
129	95.2	73.6	110.4
131	91.4	73.1	109.7





#65

Chlorobenzene

Concen: 154.42 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:112 Resp: 3607458

Ion Ratio Lower Upper

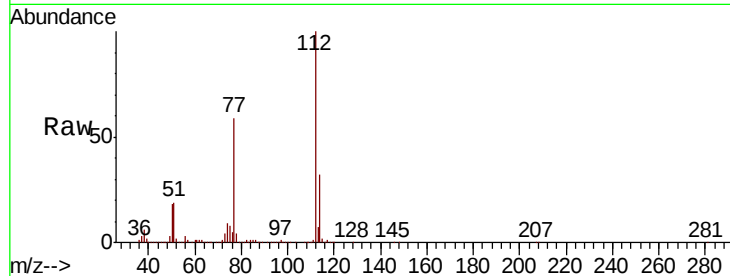
112 100

114 32.4 26.0 39.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

2500000

2000000

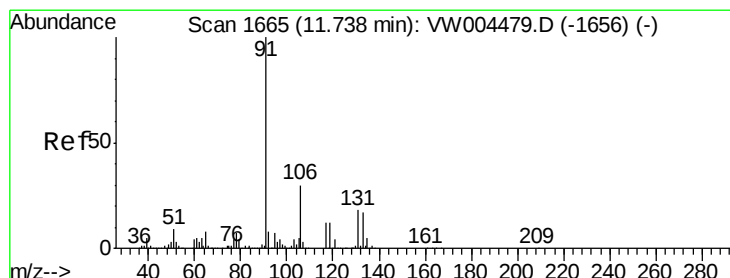
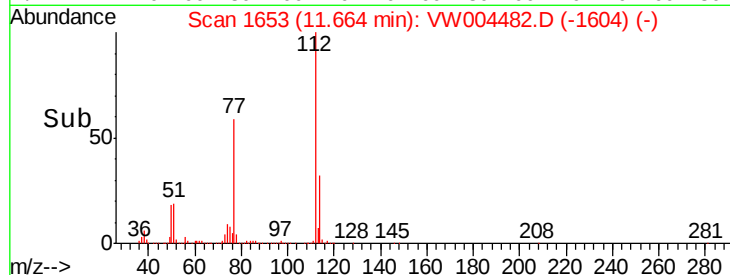
1500000

1000000

500000

0

Time--> 11.50 11.60 11.70 11.80



#66

1,1,1,2-Tetrachloroethane

Concen: 154.05 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

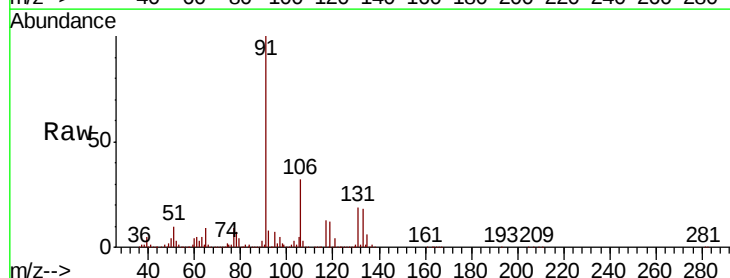
Tgt Ion:131 Resp: 1270713

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.4

119 67.6 33.9 101.7



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

1000000

800000

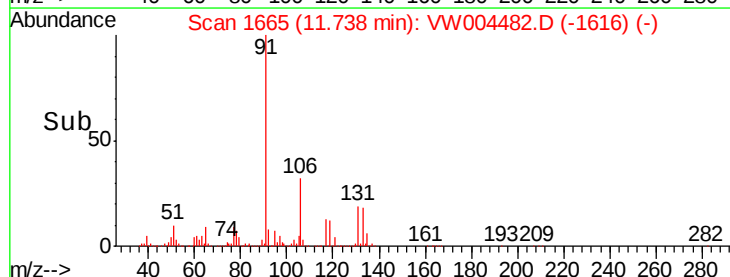
600000

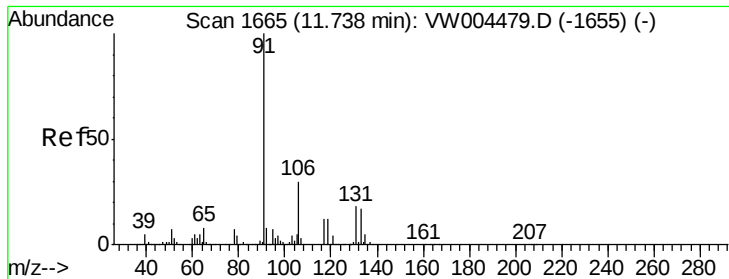
400000

200000

0

Time--> 11.70 11.80





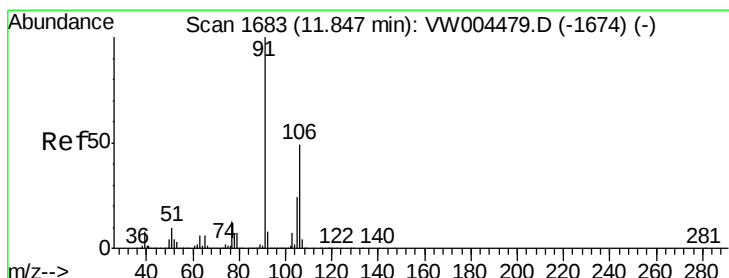
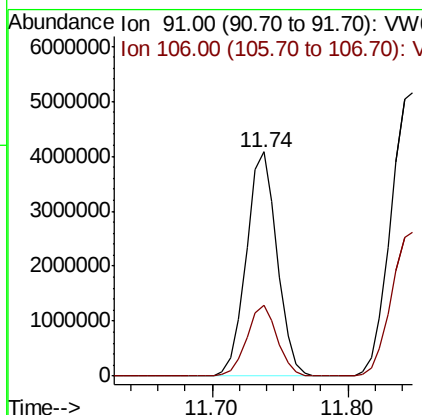
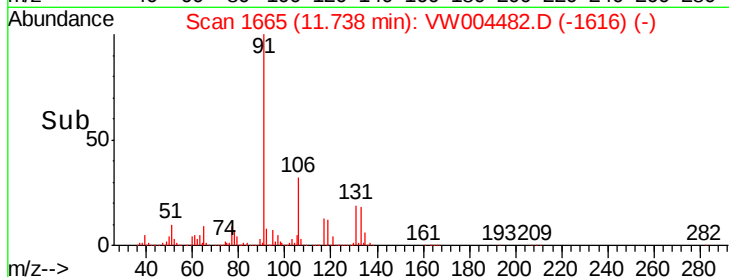
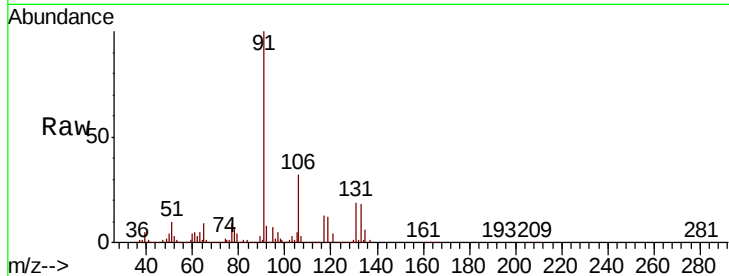
#67
Ethyl Benzene
Concen: 157.91 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 6456732
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.2

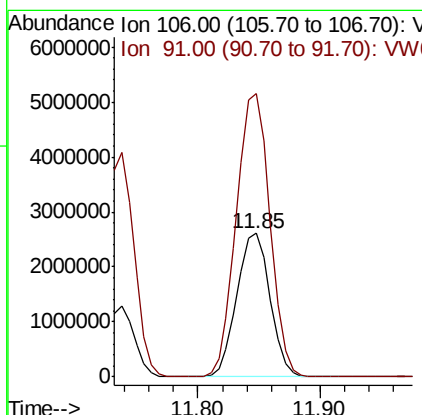
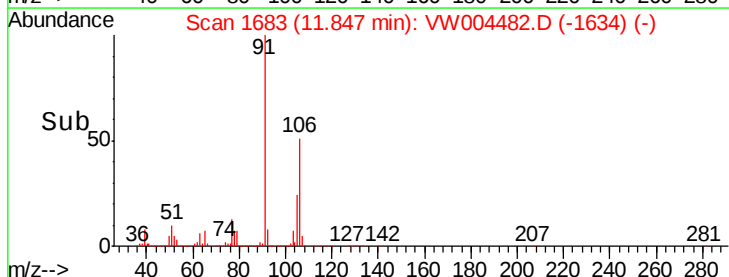
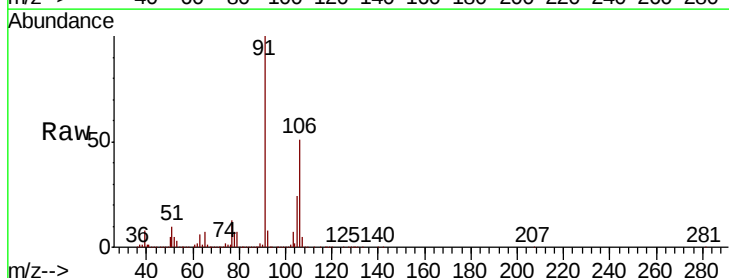
Manual Integrations
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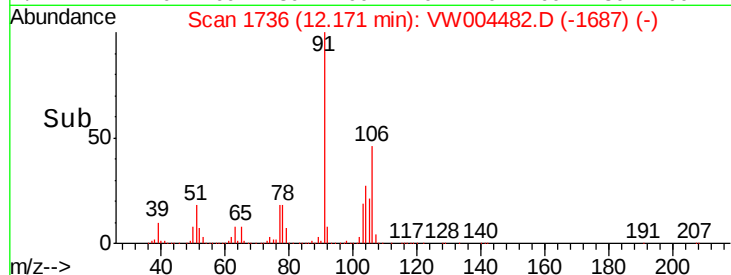
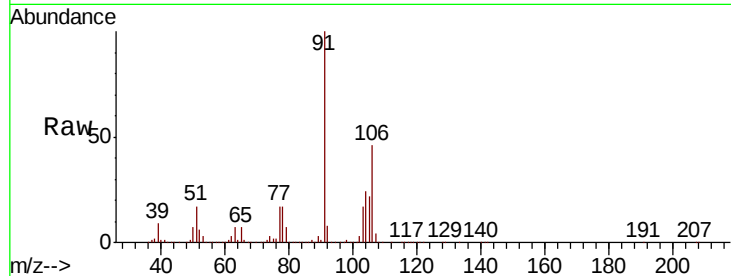
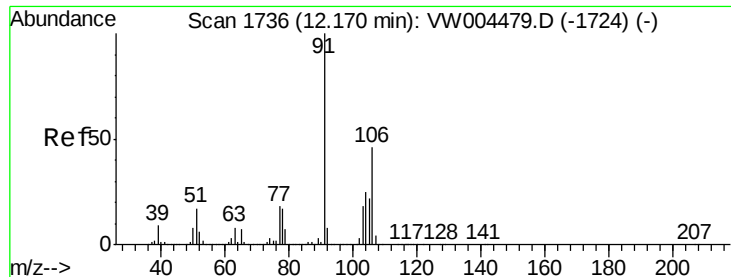
apatel
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#68
m/p-Xylenes
Concen: 313.00 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion: 106 Resp: 4911184
Ion Ratio Lower Upper
106 100
91 200.3 162.8 244.2





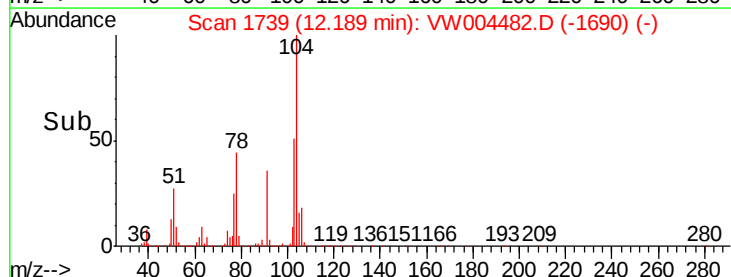
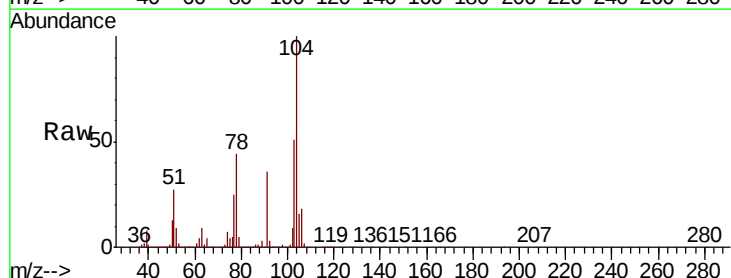
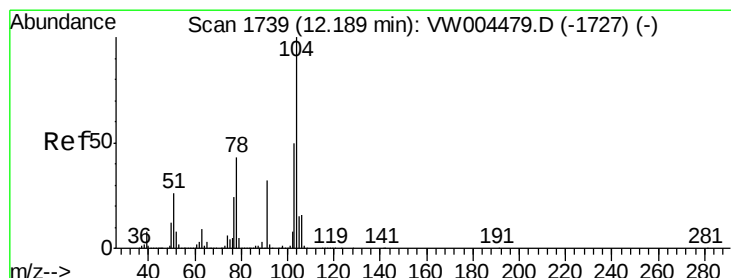
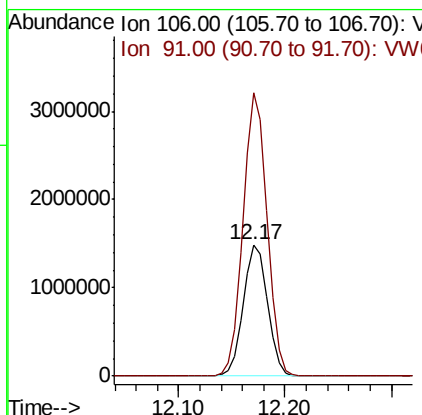
#69
o-Xylene
Concen: 164.61 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tot Ion:106 Resp: 2388428
Ion Ratio Lower Upper
106 100
91 213.0 106.7 320.2

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

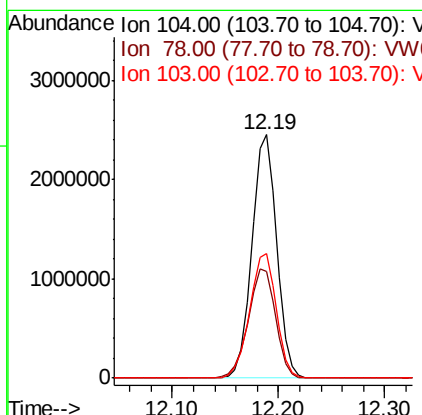
Manual Integrations
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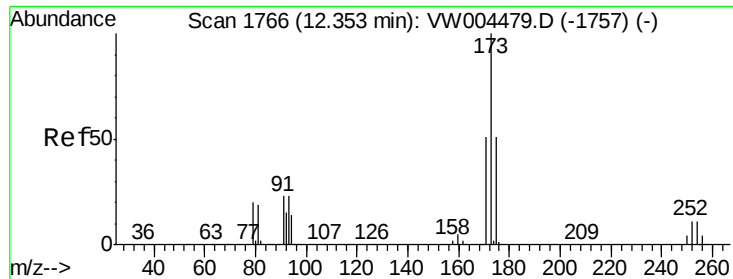
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#70
Styrene
Concen: 162.35 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion:104 Resp: 3995109
Ion Ratio Lower Upper
104 100
78 49.6 39.0 58.4
103 55.3 44.2 66.2





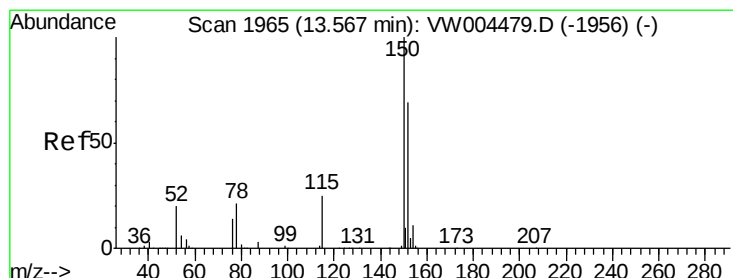
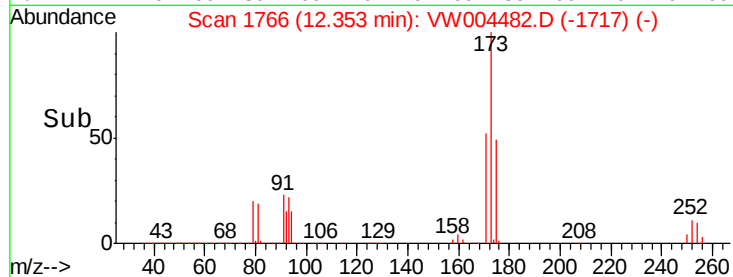
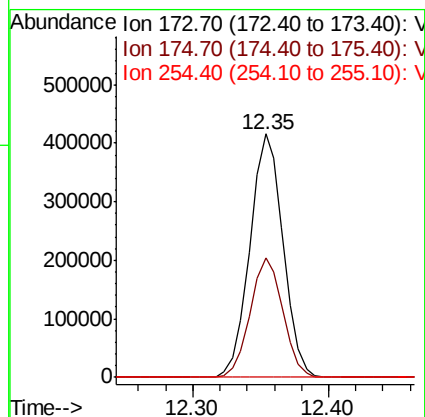
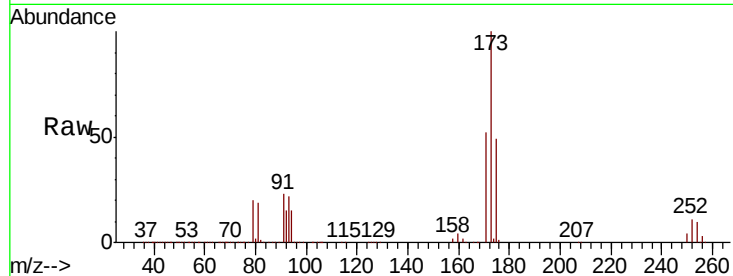
#71
Bromoform
Concen: 153.47 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.2	0.2	0.2

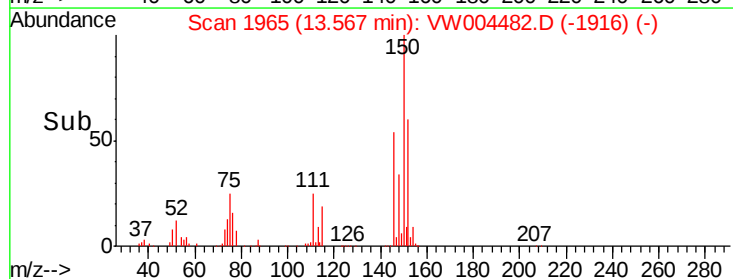
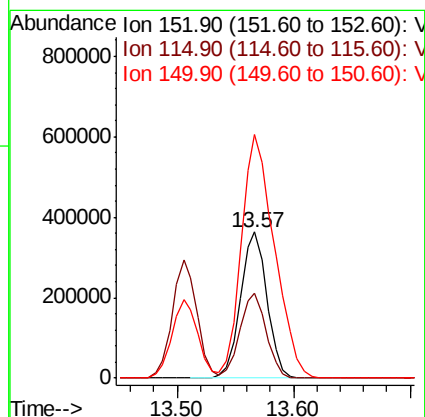
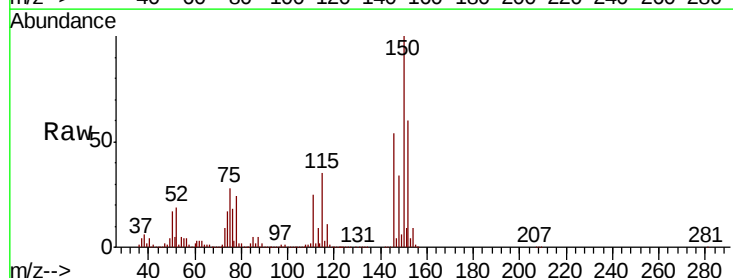
Manual Integrations
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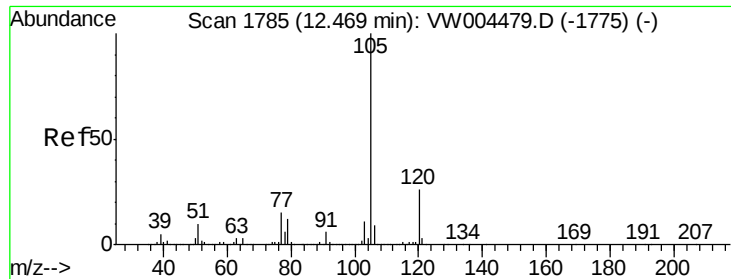
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.1	87.3
150	207.5	0.0	349.6





#73

Isopropylbenzene

Concen: 160.44 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6431923

Ion Ratio Lower Upper

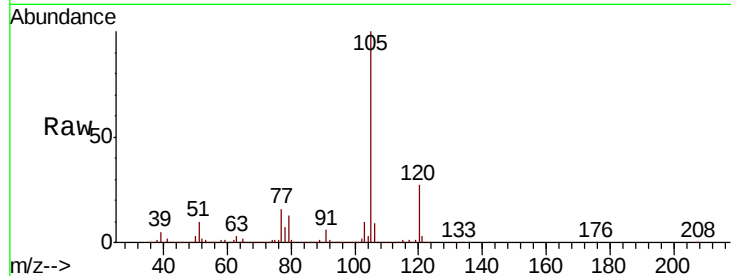
105 100

120 26.6 13.2 39.6

Manual Integrations
APPROVED

apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

4000000

3000000

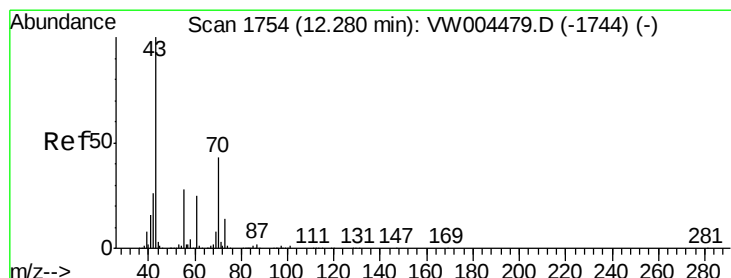
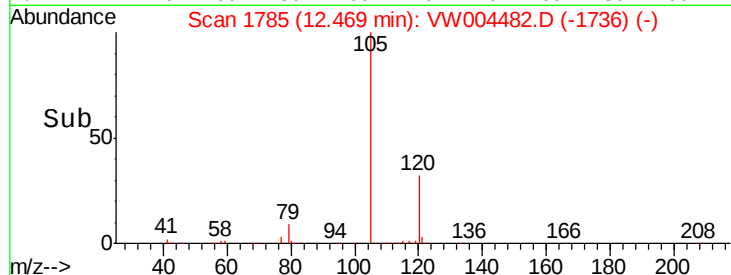
2000000

1000000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 190.11 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Tgt Ion: 43 Resp: 1674238

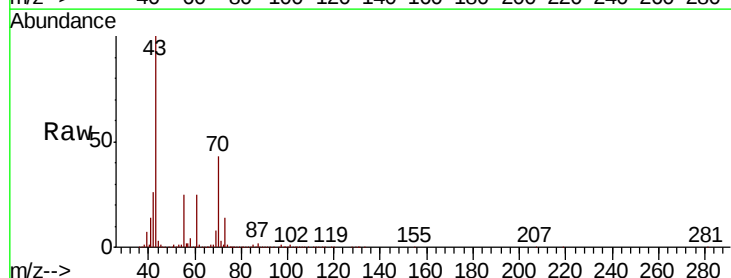
Ion Ratio Lower Upper

43 100

70 43.2 35.3 52.9

55 25.7 22.9 34.3

61 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

1500000

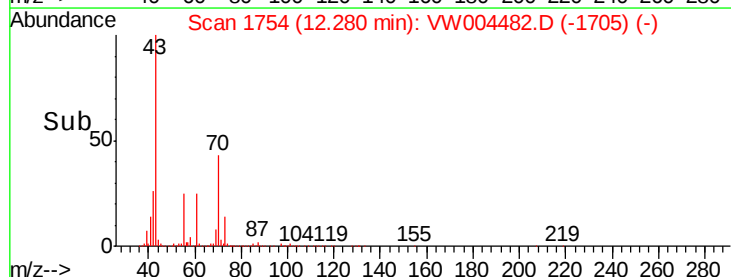
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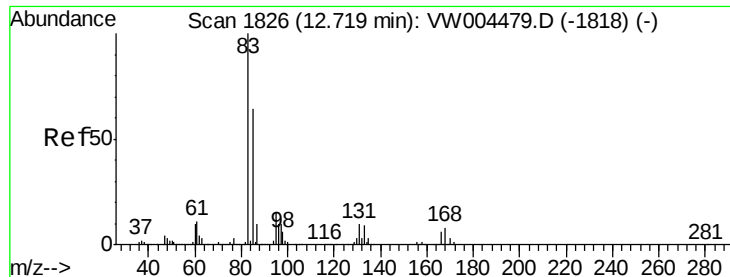
500000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 171.36 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

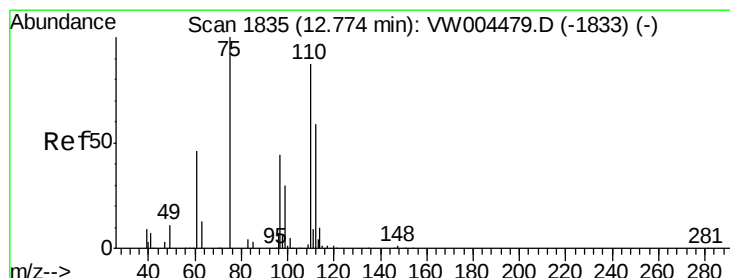
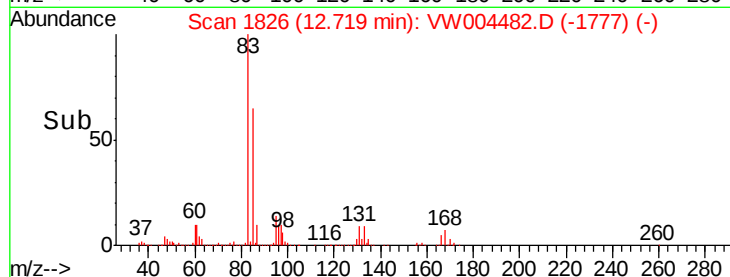
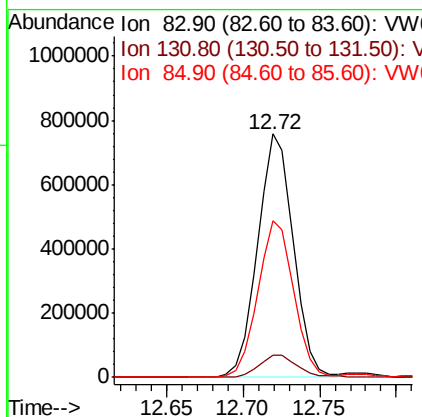
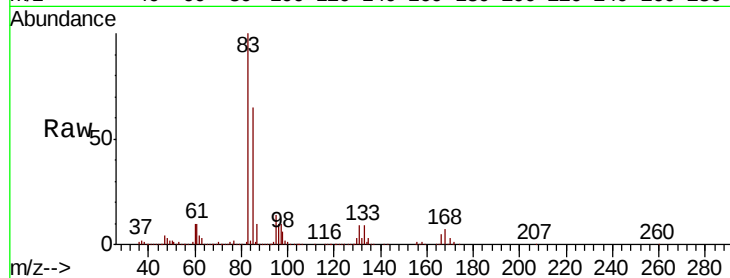
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	1231316
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 167.22 ug/l m

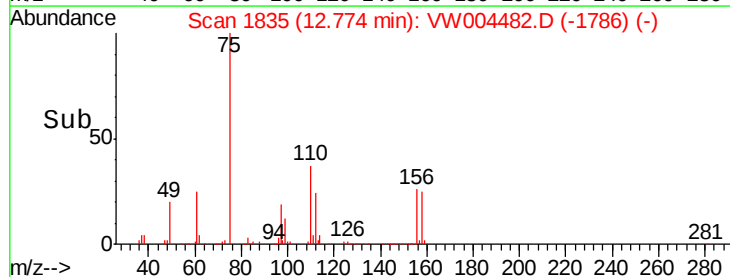
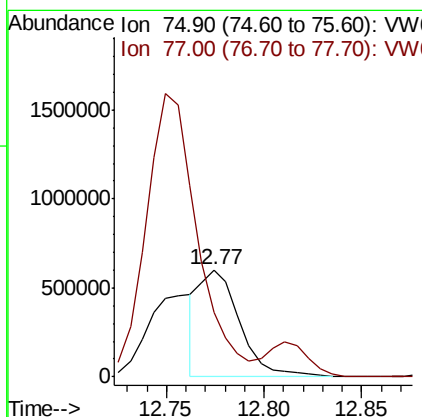
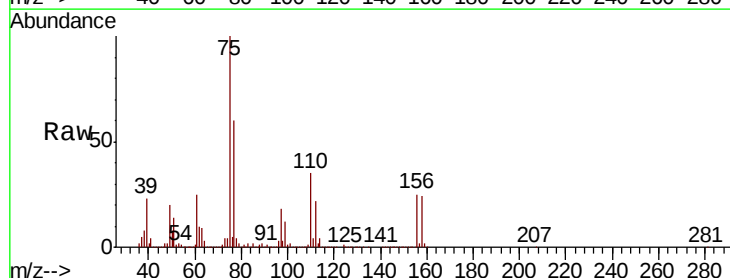
RT: 12.77 min Scan# 1835

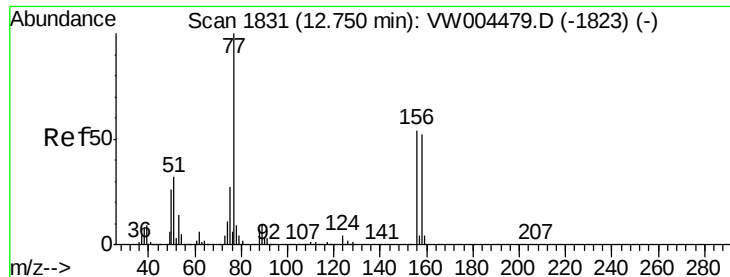
Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Tgt Ion:	75	Resp:	868532
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 153.02 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1476019

Ion Ratio Lower Upper

156 100

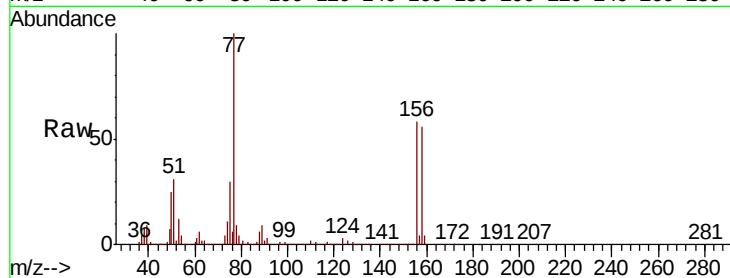
77 197.2 98.7 296.1

158 96.9 48.7 146.1

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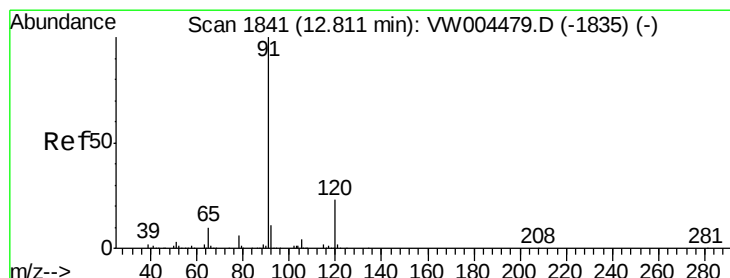
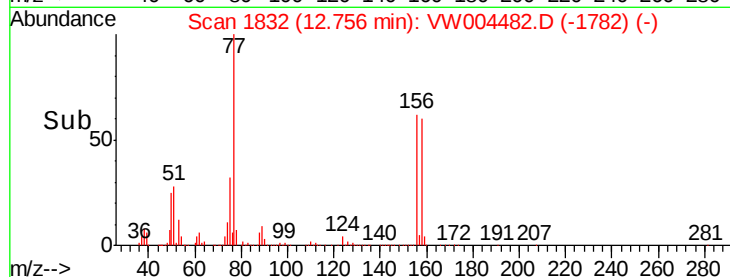
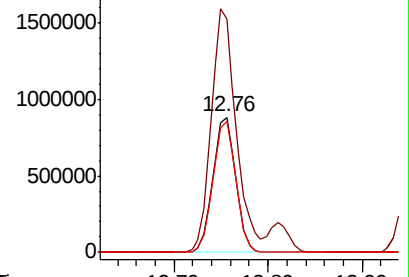
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 157.69 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004482.D

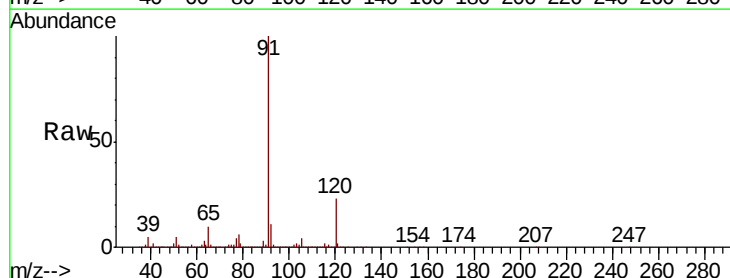
Acq: 06 Aug 2018 20:53

Tgt Ion: 91 Resp: 7685152

Ion Ratio Lower Upper

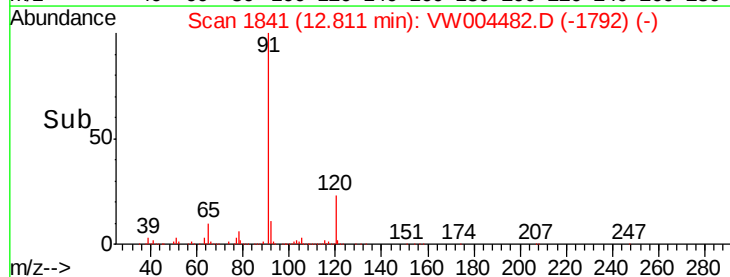
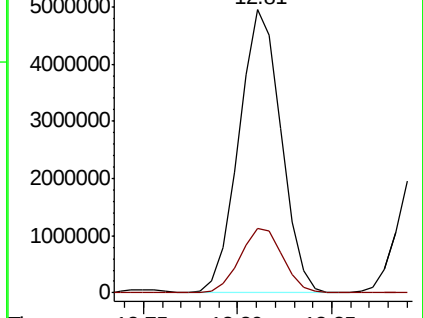
91 100

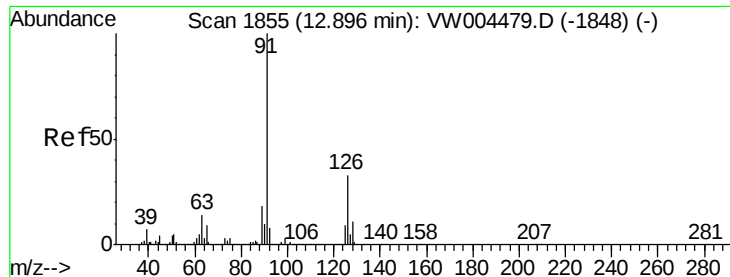
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 157.28 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 4392203

Ion Ratio Lower Upper

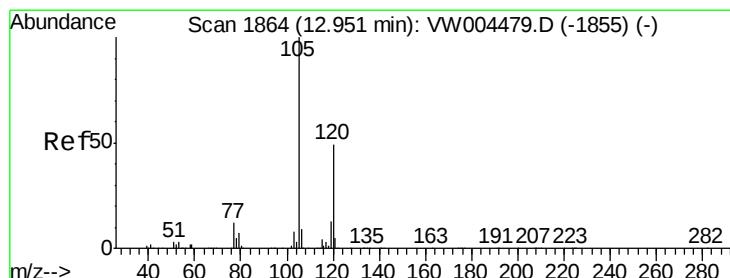
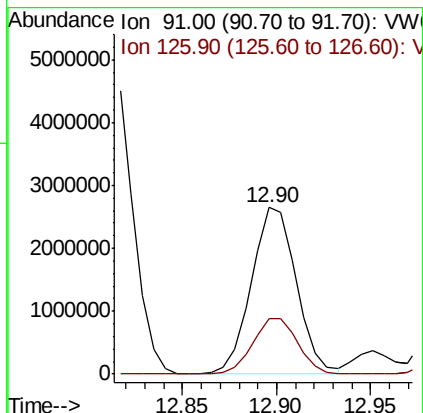
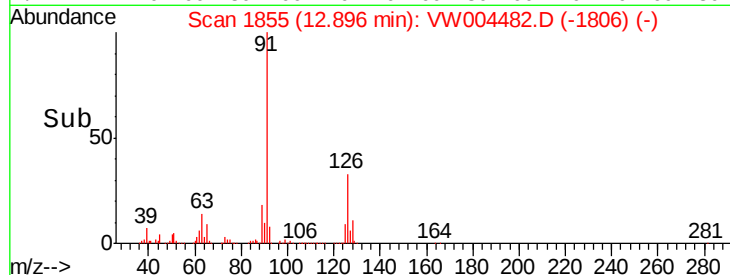
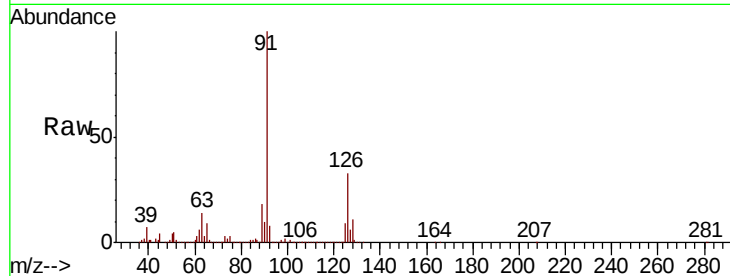
91 100

126 33.4 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 155.32 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004482.D

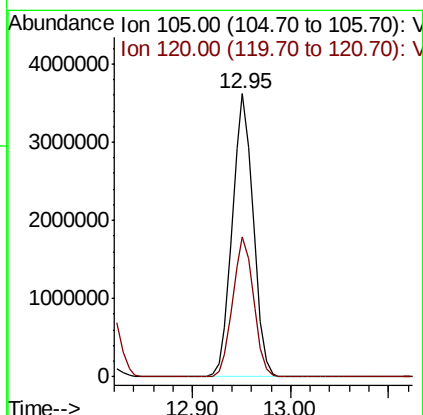
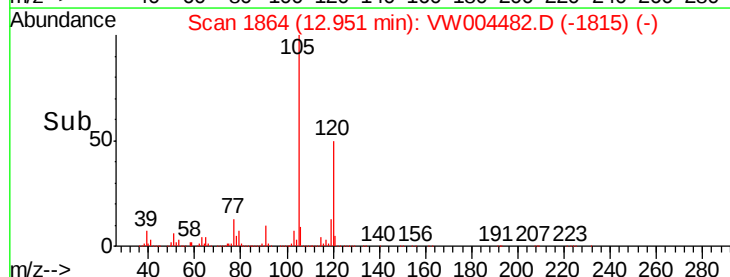
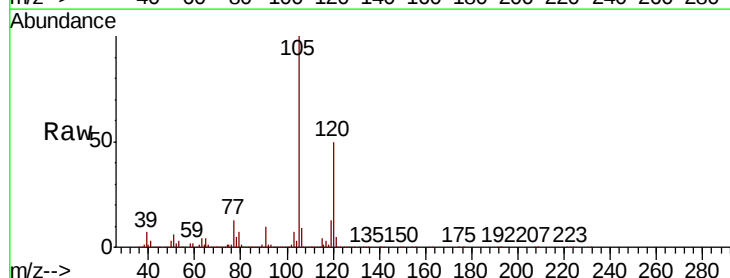
Acq: 06 Aug 2018 20:53

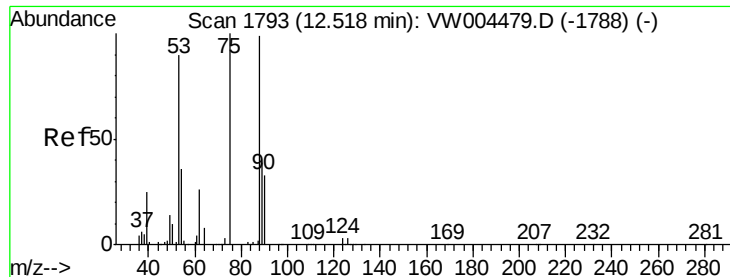
Tgt Ion:105 Resp: 5361168

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.8





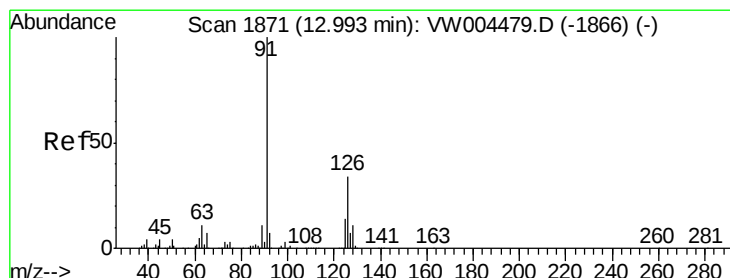
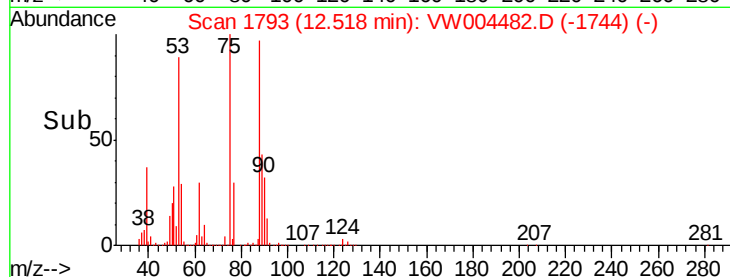
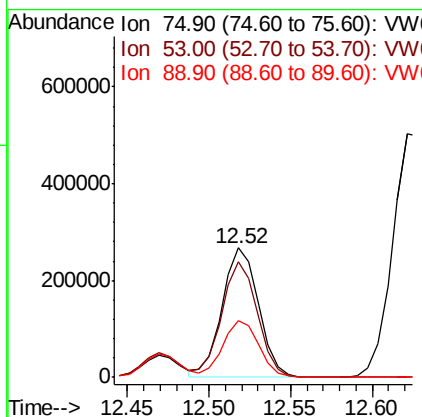
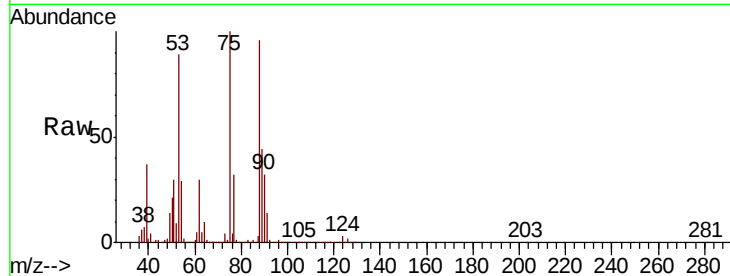
#81
trans-1,4-Dichloro-2-butene
Concen: 180.34 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	74.4	111.6
89	43.5	35.9	53.9

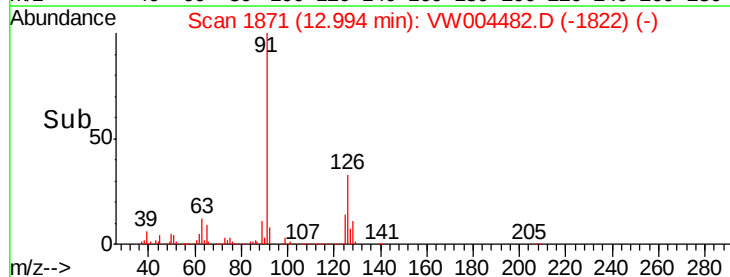
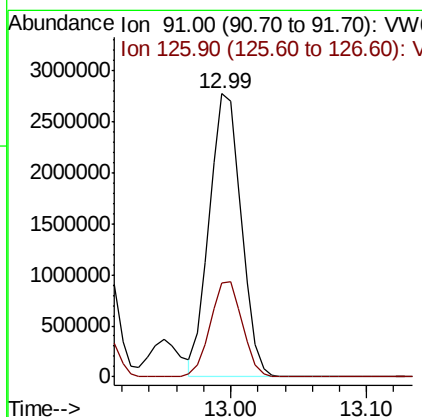
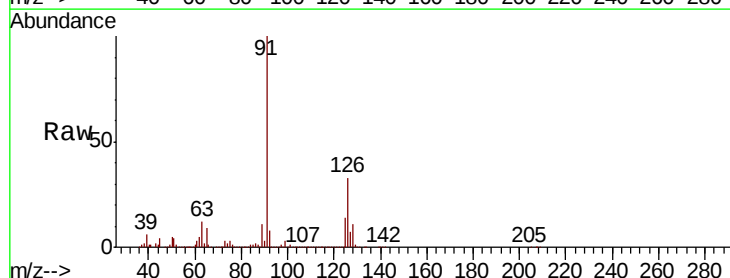
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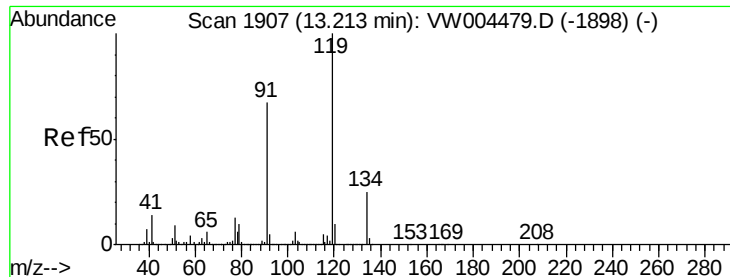
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#82
4-Chlorotoluene
Concen: 151.45 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.5	49.5





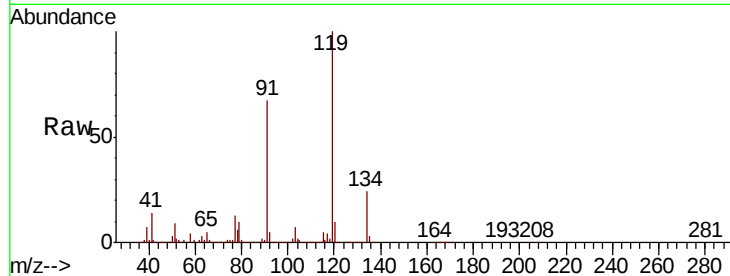
#83
 tert-Butylbenzene
 Concen: 163.17 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

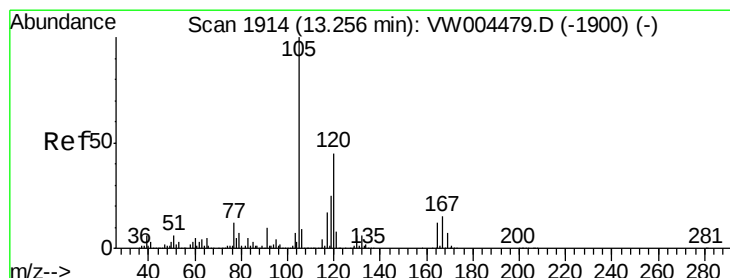
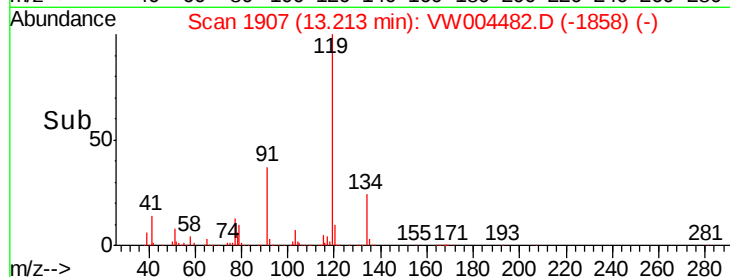
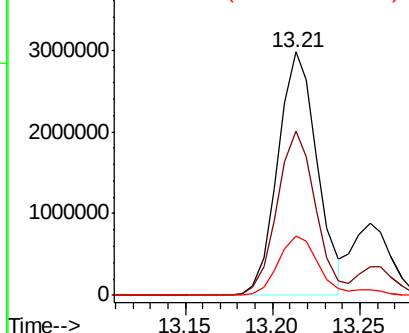
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.3	99.8
134	26.2	12.2	36.6

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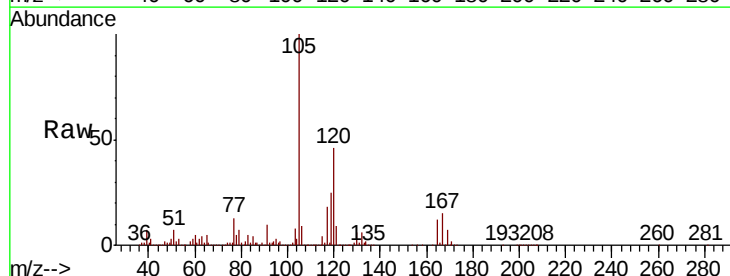


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

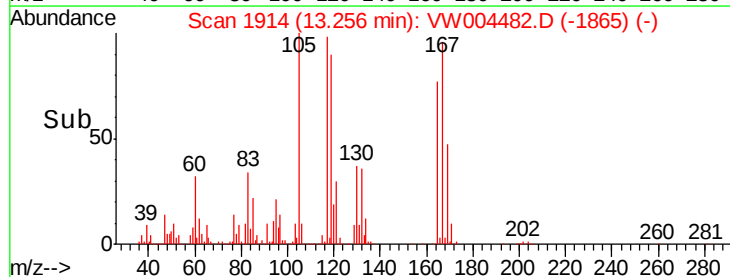
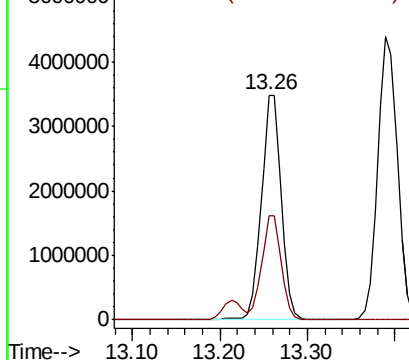


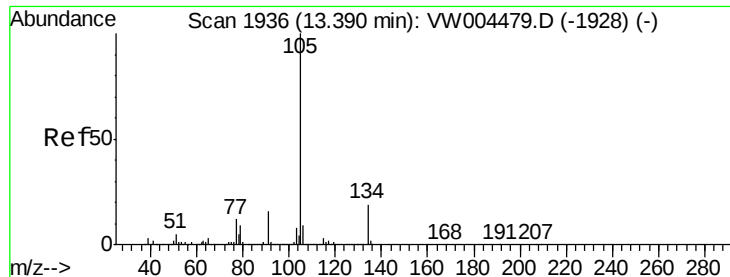
#84
 1,2,4-Trimethylbenzene
 Concen: 156.93 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 162.35 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6815909

Ion Ratio Lower Upper

105 100

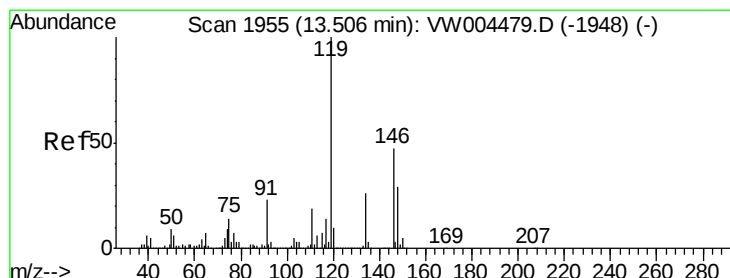
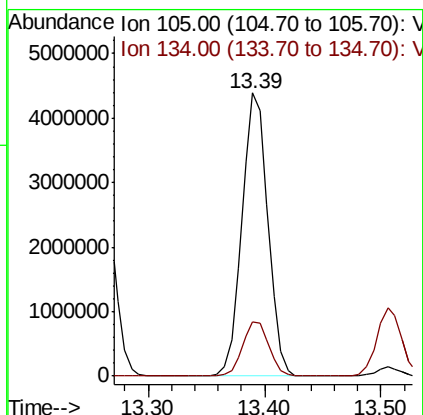
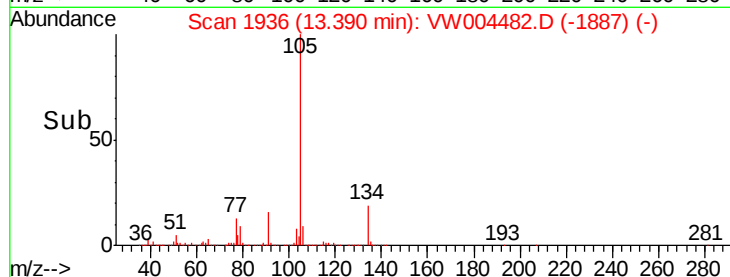
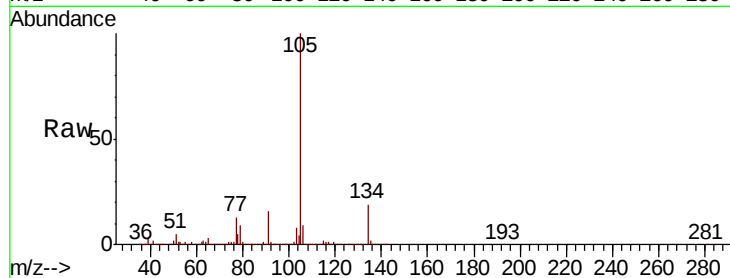
134 19.6 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 158.66 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

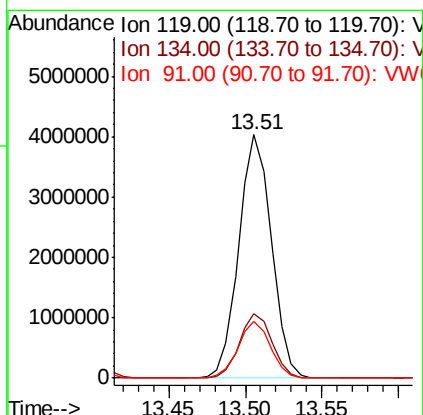
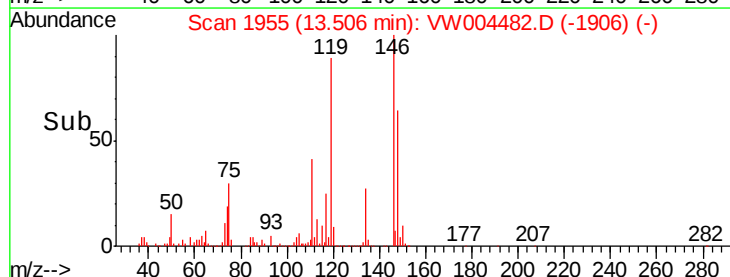
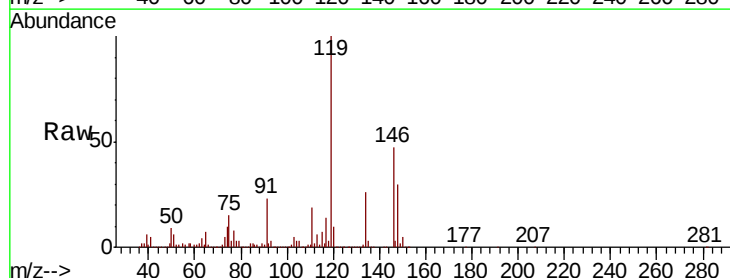
Tgt Ion:119 Resp: 5964032

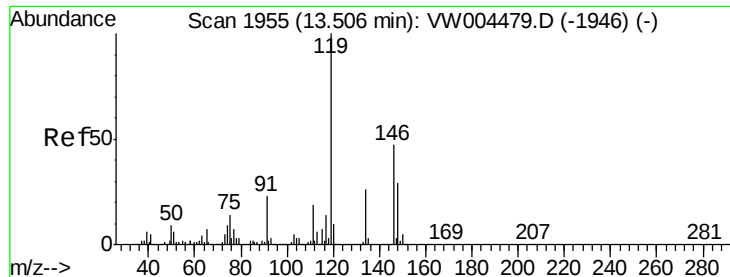
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 22.9 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 152.91 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2968749

Ion Ratio Lower Upper

146 100

111 40.4 20.0 59.9

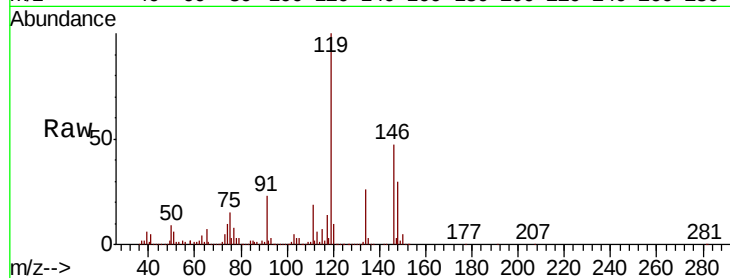
148 63.1 31.7 95.1

Manual Integrations

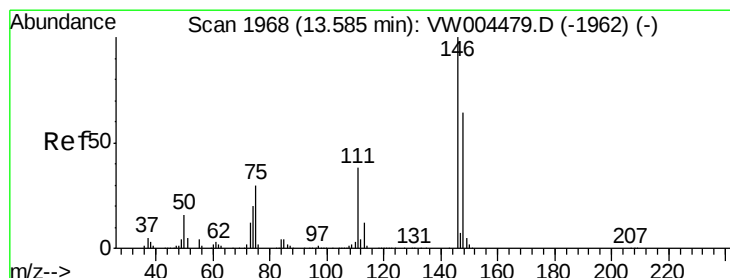
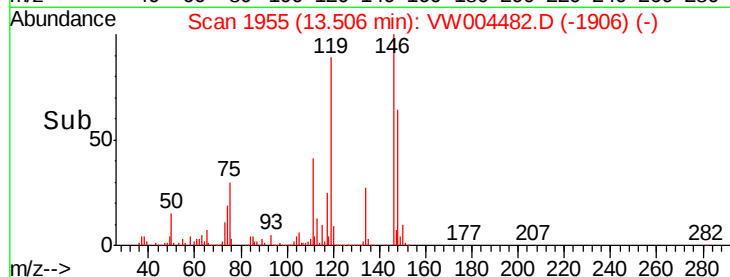
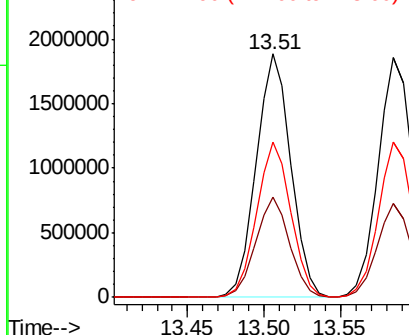
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 149.24 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

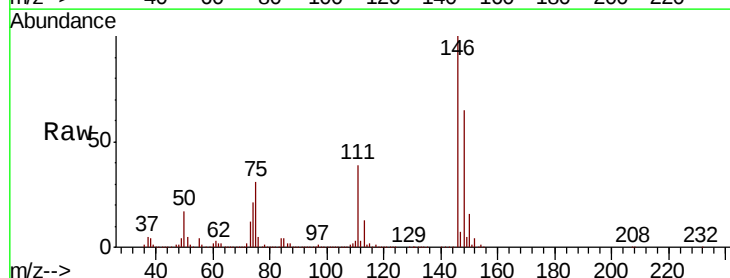
Tgt Ion:146 Resp: 2889481

Ion Ratio Lower Upper

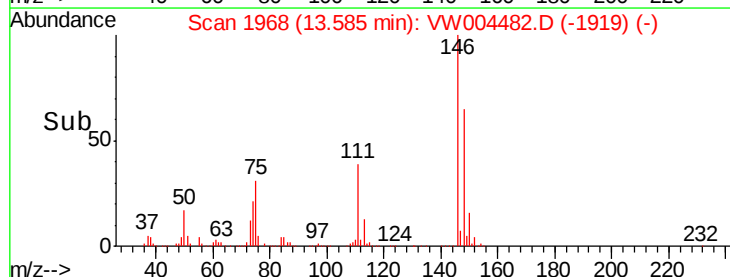
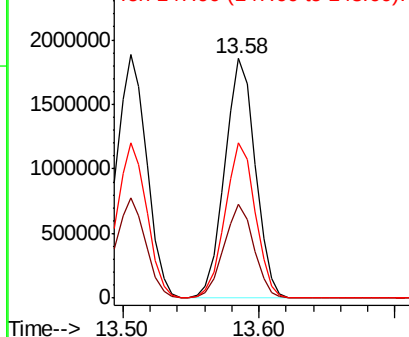
146 100

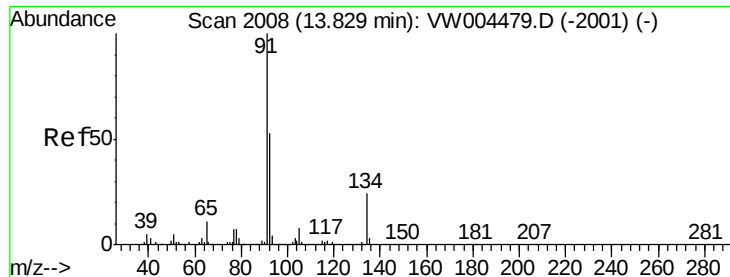
111 38.7 19.6 58.8

148 64.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





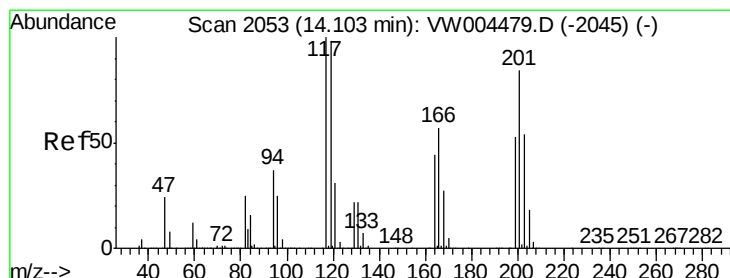
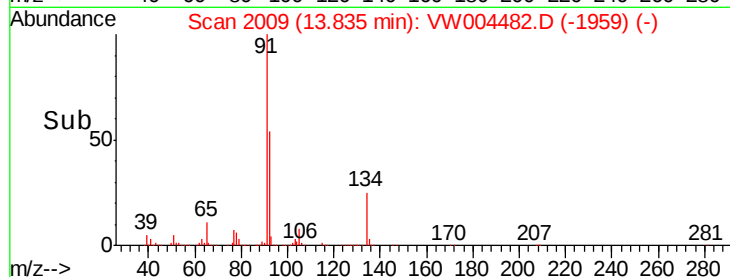
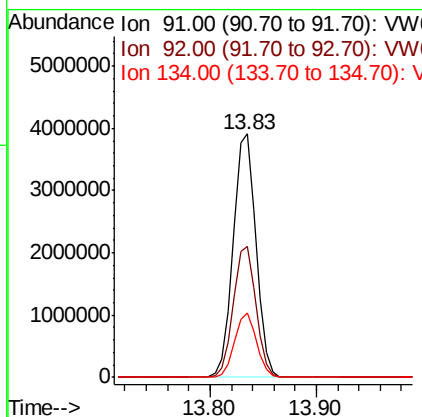
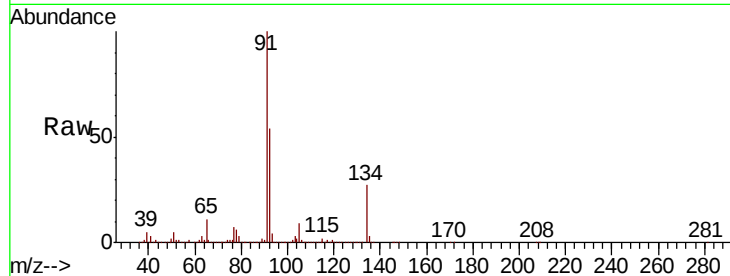
#89
n-Butylbenzene
Concen: 165.88 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 5877488
Ion Ratio Lower Upper
91 100
92 53.5 26.4 79.0
134 25.6 12.4 37.2

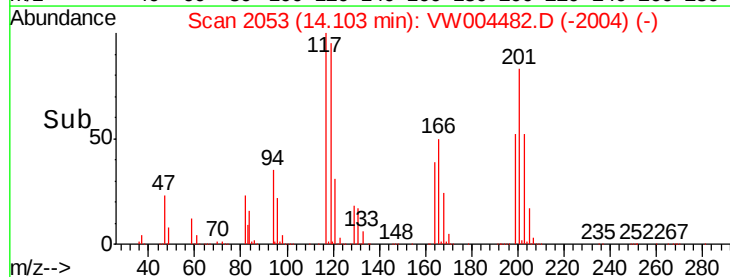
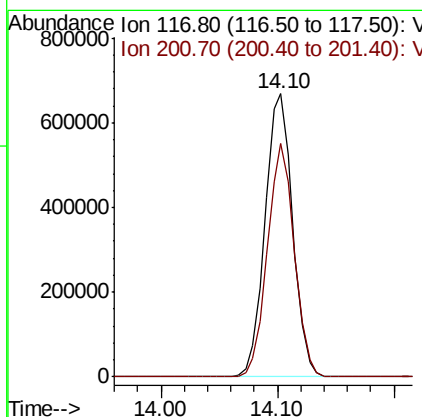
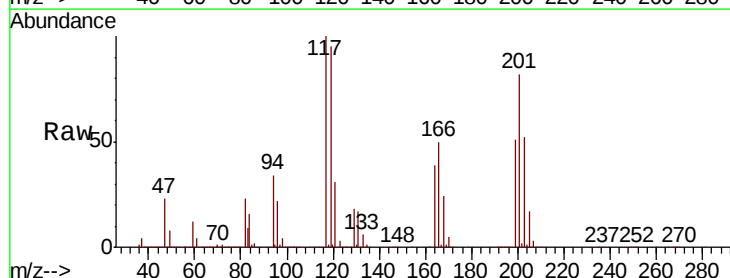
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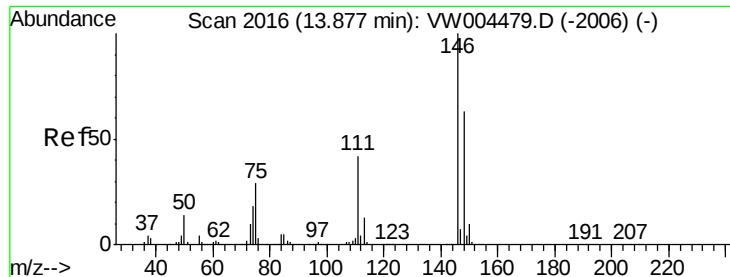
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#90
Hexachloroethane
Concen: 163.89 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion: 117 Resp: 1101495
Ion Ratio Lower Upper
117 100
201 80.3 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 153.97 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2680321

Ion Ratio Lower Upper

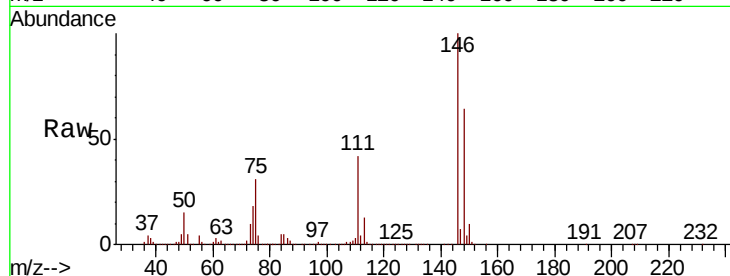
146 100

111 41.8 20.8 62.2

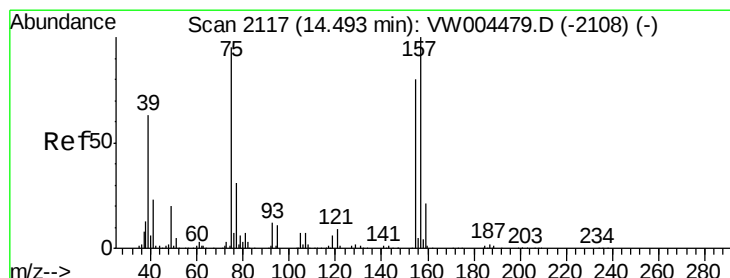
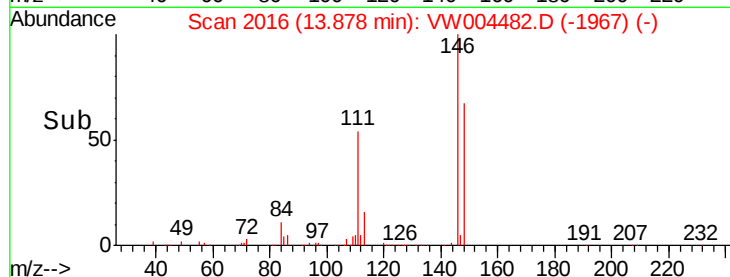
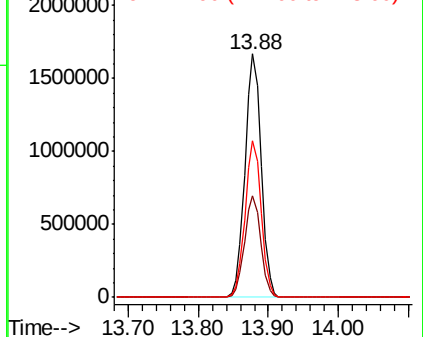
148 64.0 31.8 95.4

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 168.80 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004482.D

Acq: 06 Aug 2018 20:53

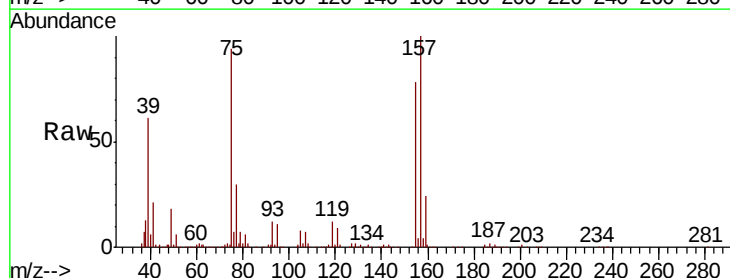
Tgt Ion: 75 Resp: 209990

Ion Ratio Lower Upper

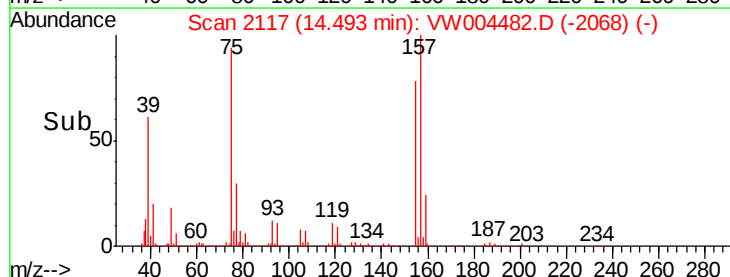
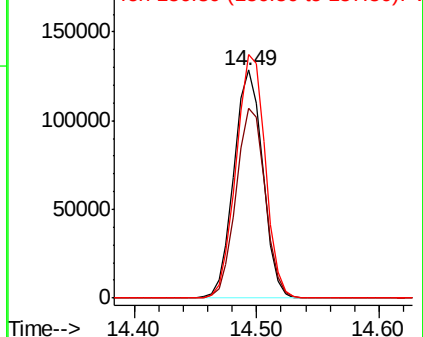
75 100

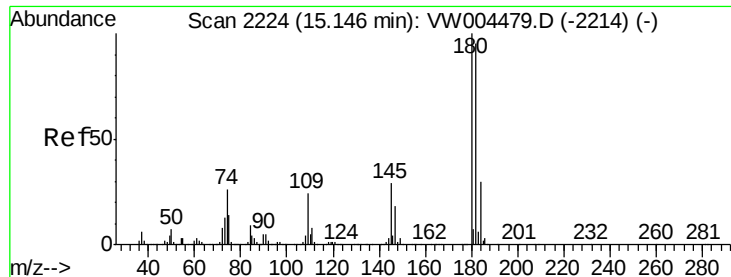
155 83.8 41.3 123.7

157 107.4 52.6 157.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





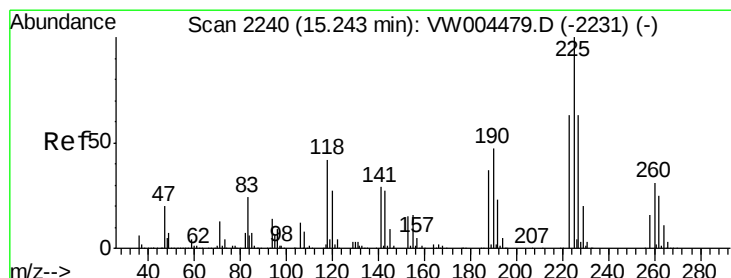
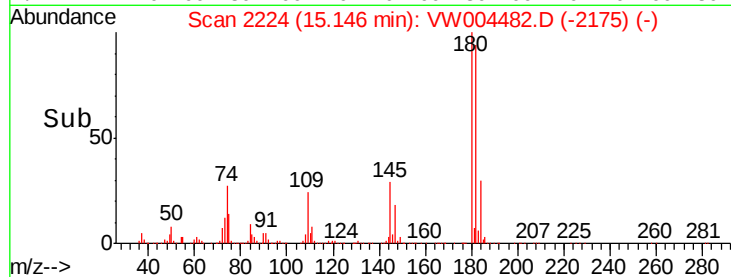
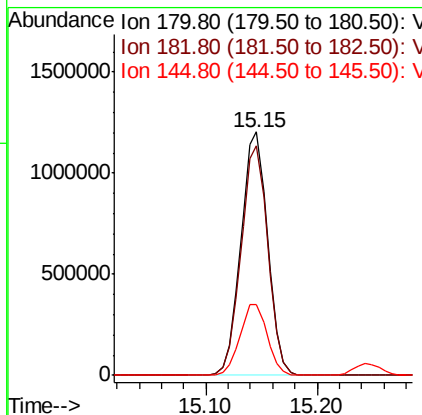
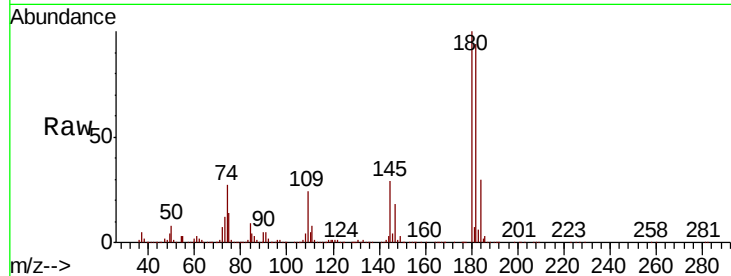
#93
 1,2,4-Trichlorobenzene
 Concen: 164.05 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.6
145	30.0	14.9	44.9

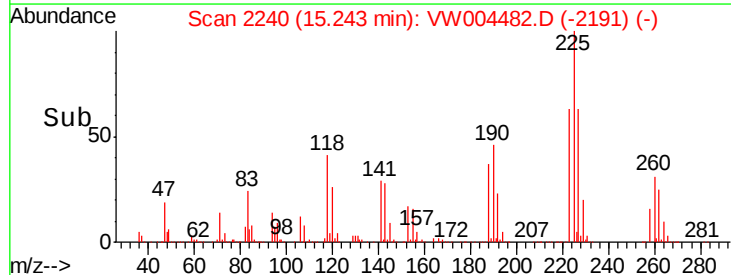
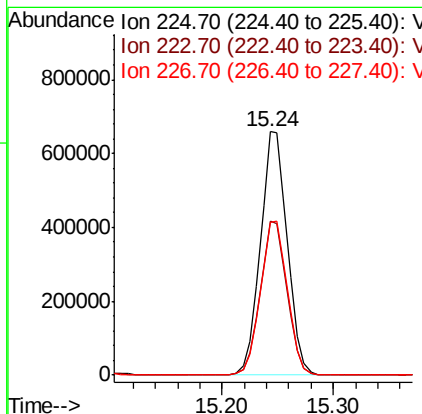
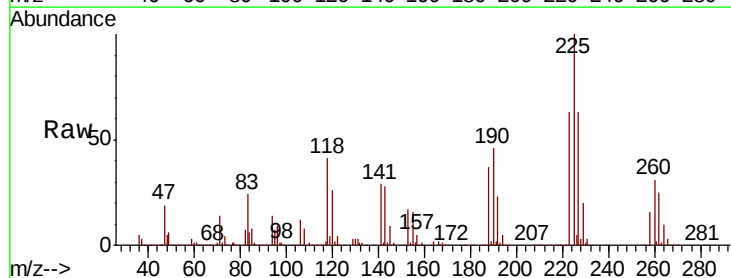
Manual Integrations
 APPROVED

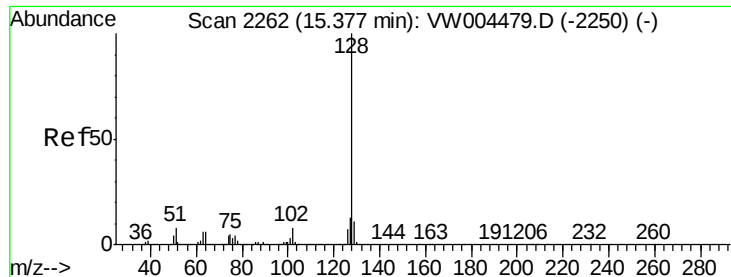
apatel
 8/7/2018 4:49:15 PM



#94
 Hexachlorobutadiene
 Concen: 149.62 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004482.D
 Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.8
227	63.5	31.8	95.4





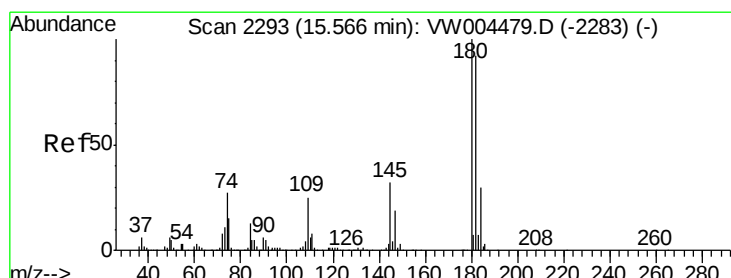
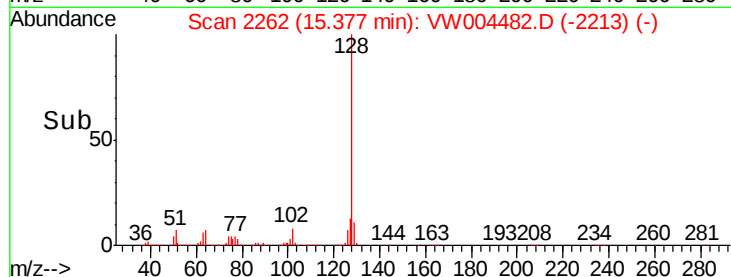
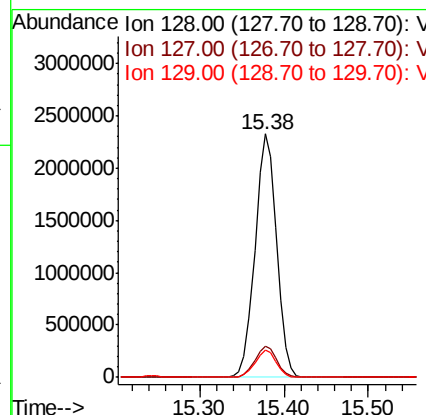
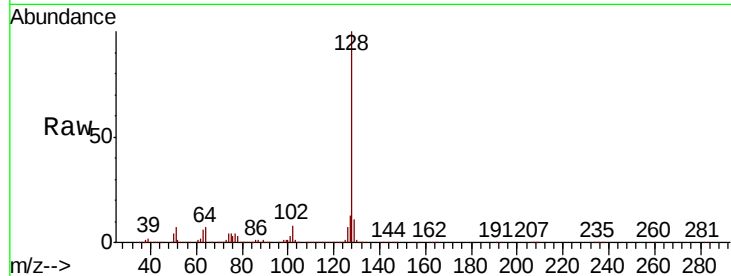
#95
Naphthalene
Concen: 188.59 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

apatel
8/7/2018 4:49:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 165.79 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004482.D
Acq: 06 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.0	141.2
145	31.8	15.9	47.6

