

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002530.D
 Acq On : 14 May 2018 23:21
 Operator : JC/SY
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
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Quant Time: May 15 03:25:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 02:22:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	351731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190926	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	403260	153.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.38%	
35) Dibromofluoromethane	7.88	113	367332	154.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.08%	
50) Toluene-d8	10.33	98	1441478	158.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.30%	
62) 4-Bromofluorobenzene	12.63	95	536851	163.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	156639	166.99	ug/l	98
3) Chloromethane	2.21	50	261252	138.42	ug/l	98
4) Vinyl Chloride	2.36	62	453163	146.40	ug/l	97
5) Bromomethane	2.76	94	368501	146.90	ug/l	96
6) Chloroethane	2.91	64	310441	147.24	ug/l	98
7) Trichlorofluoromethane	3.24	101	190804	147.96	ug/l	99
8) Diethyl Ether	3.67	74	204831	140.98	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	304027	134.96	ug/l	100
10) Methyl Iodide	4.26	142	487956	134.60	ug/l	99
11) Tert butyl alcohol	5.18	59	141569	718.83	ug/l	100
12) 1,1-Dichloroethene	4.03	96	301227	135.57	ug/l	99
13) Acrolein	3.89	56	140166	832.04	ug/l	99
14) Allyl chloride	4.65	41	471926	143.98	ug/l	99
15) Acrylonitrile	5.37	53	408977	719.94	ug/l	100
16) Acetone	4.12	43	358482	682.18	ug/l	99
17) Carbon Disulfide	4.37	76	820143	128.09	ug/l	99
18) Methyl Acetate	4.67	43	232605	148.05	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	575765	146.06	ug/l	98
20) Methylene Chloride	4.90	84	313534	127.06	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	331370	137.95	ug/l	98
22) Diisopropyl ether	6.31	45	1069489	148.32	ug/l	99
23) Vinyl Acetate	6.25	43	3382548	779.98	ug/l	100
24) 1,1-Dichloroethane	6.21	63	610478	140.00	ug/l	99
25) 2-Butanone	7.17	43	569458	734.13	ug/l	100
26) 2,2-Dichloropropane	7.16	77	322916	146.11	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	381338	140.30	ug/l	100
28) Bromochloromethane	7.51	49	277673	139.95	ug/l	97
29) Tetrahydrofuran	7.53	42	370069	731.19	ug/l	99
30) Chloroform	7.67	83	646440	141.26	ug/l	98
31) Cyclohexane	7.95	56	499772	128.72	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	495906	143.61	ug/l	100
36) 1,1-Dichloropropene	8.08	75	486290	144.42	ug/l	100
37) Ethyl Acetate	7.26	43	244339	147.53	ug/l	99
38) Carbon Tetrachloride	8.07	117	492698	150.80	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	571206	145.82	ug/l	99
40) Benzene	8.32	78	1399368	142.88	ug/l	99
41) Methacrylonitrile	7.49	41	142030	152.75	ug/l	99
42) 1,2-Dichloroethane	8.40	62	445971	145.15	ug/l	100
43) Isopropyl Acetate	8.43	43	491824	156.56	ug/l	99
44) Trichloroethene	9.09	130	378425	141.33	ug/l	99
45) 1,2-Dichloropropane	9.37	63	357592	144.97	ug/l	99
46) Dibromomethane	9.46	93	202864	146.71	ug/l	100
47) Bromodichloromethane	9.65	83	492486	151.23	ug/l	100
48) Methyl methacrylate	9.44	41	243436	159.86	ug/l	98
49) 1,4-Dioxane	9.45	88	67937	3044.83	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	1353817	777.96	ug/l	100
52) Toluene	10.39	92	915285	147.15	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	512042	158.64	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	565866	154.33	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	282493	144.93	ug/l	98
56) Ethyl methacrylate	10.65	69	388159	160.86	ug/l	99
57) 1,3-Dichloropropane	10.94	76	480313	145.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	955620	814.69	ug/l	99
59) 2-Hexanone	10.98	43	943214	791.03	ug/l	99
60) Dibromochloromethane	11.13	129	355374	154.30	ug/l	99
61) 1,2-Dibromoethane	11.24	107	277784	146.29	ug/l	100
64) Tetrachloroethene	10.87	164	362836	135.89	ug/l	98
65) Chlorobenzene	11.66	112	1028819	143.93	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	385490	150.93	ug/l	99
67) Ethyl Benzene	11.74	91	1852535	150.45	ug/l	99
68) m/p-Xylenes	11.85	106	1422655	299.67	ug/l	99
69) o-Xylene	12.18	106	695839	154.04	ug/l	100
70) Styrene	12.19	104	1190657	158.90	ug/l	100
71) Bromoform	12.36	173	235873	159.79	ug/l	# 100
73) Isopropylbenzene	12.48	105	1898891	153.68	ug/l	100
74) N-amyl acetate	12.28	43	511322	163.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	353432	146.36	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	274381m	155.51	ug/l	
77) Bromobenzene	12.76	156	458856	147.16	ug/l	99
78) n-propylbenzene	12.82	91	2250015	153.59	ug/l	99
79) 2-Chlorotoluene	12.90	91	1274896	151.41	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1588622	152.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	111321	171.45	ug/l	97
82) 4-Chlorotoluene	13.00	91	1370335	152.77	ug/l	98
83) tert-Butylbenzene	13.22	119	1383161	154.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1645821	152.54	ug/l	100
85) sec-Butylbenzene	13.40	105	1944194	151.85	ug/l	100
86) p-Isopropyltoluene	13.51	119	1797672	156.70	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	914669	148.24	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	889146	144.23	ug/l	100
89) n-Butylbenzene	13.83	91	1672574	155.89	ug/l	100
90) Hexachloroethane	14.10	117	314161	153.27	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	810051	144.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	61351	146.85	ug/l	98

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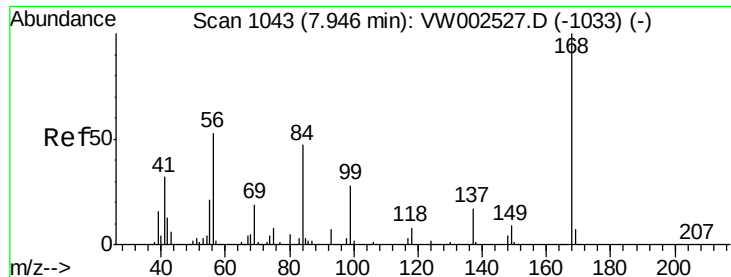
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	585848	145.47	ug/l	99
94) Hexachlorobutadiene	15.26	225	315184	140.56	ug/l	99
95) Naphthalene	15.38	128	1125711	151.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	514558	142.39	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002530.D

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Instrument :

MSVOA_W

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VSTDIC150

Tot Ion:168 Resp: 249772

Ion Ratio Lower Upper

168 100

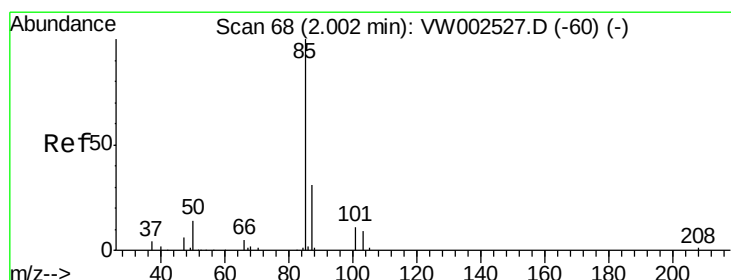
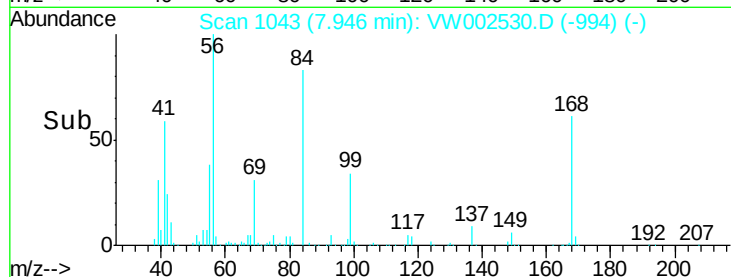
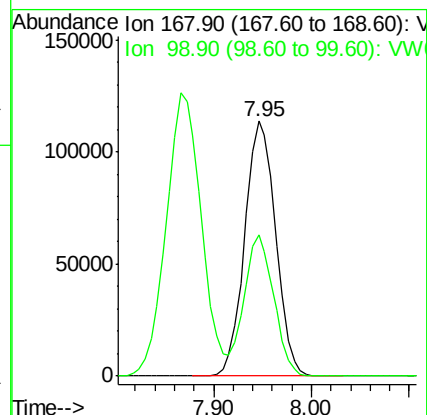
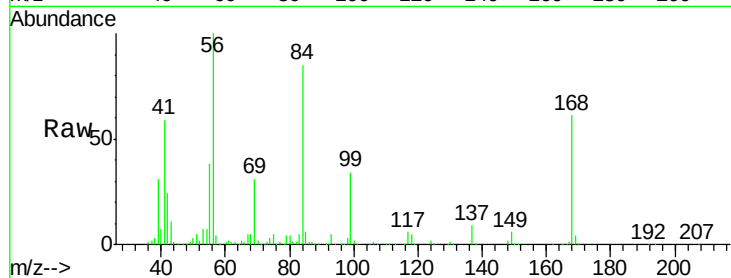
99 55.5 42.6 64.0

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#2

Dichlorodifluoromethane

Concen: 166.99 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002530.D

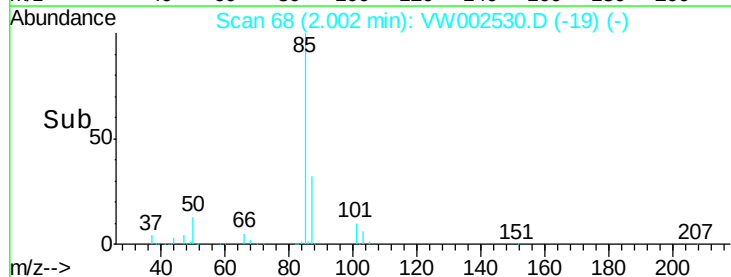
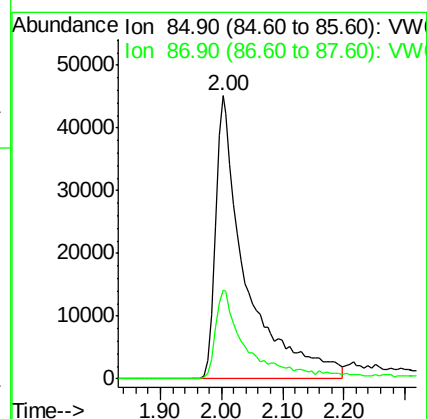
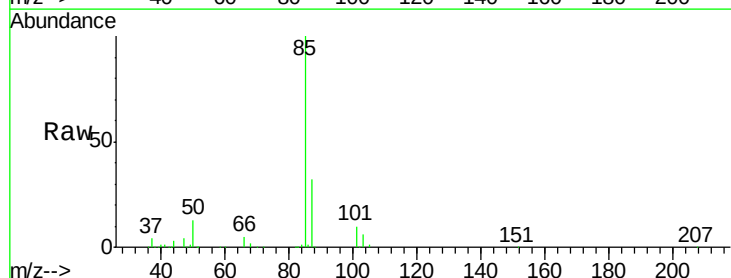
Acq: 14 May 2018 23:21

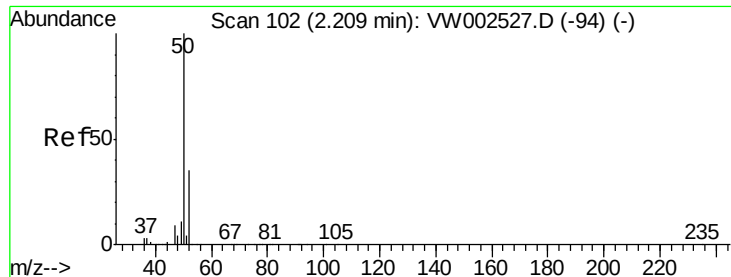
Tgt Ion: 85 Resp: 156639

Ion Ratio Lower Upper

85 100

87 31.5 15.4 46.1





#3

Chloromethane

Concen: 138.42 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 261252

Ion Ratio Lower Upper

50 100

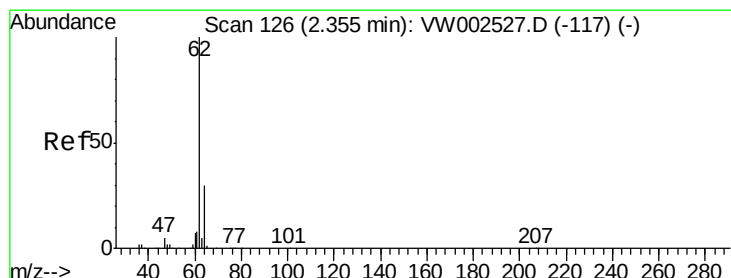
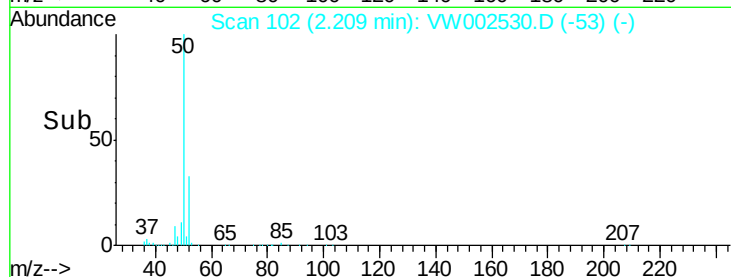
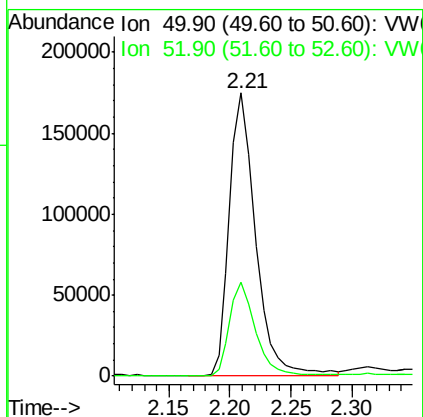
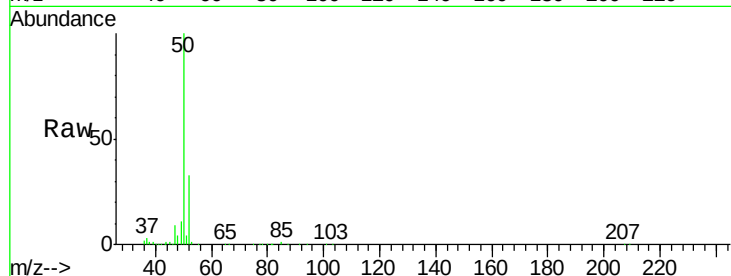
52 33.4 27.8 41.8

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#4

Vinyl Chloride

Concen: 146.40 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002530.D

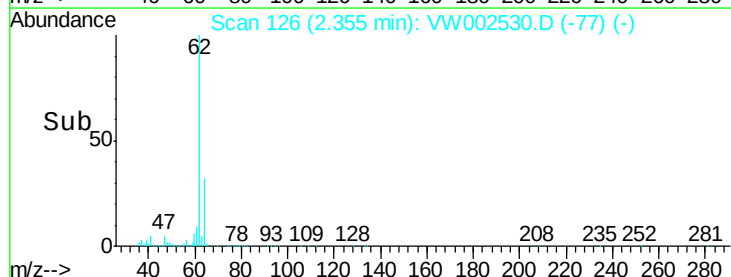
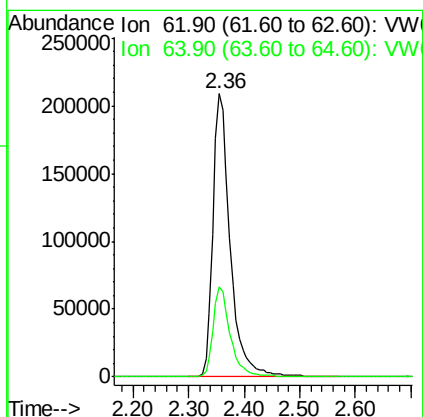
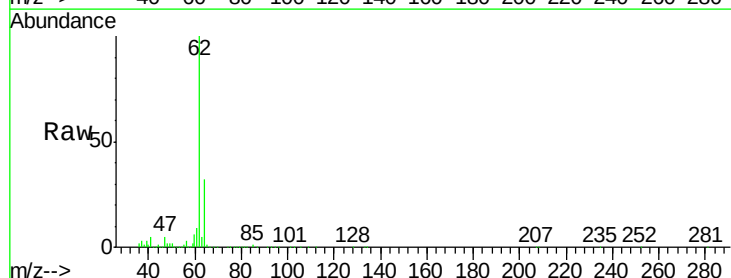
Acq: 14 May 2018 23:21

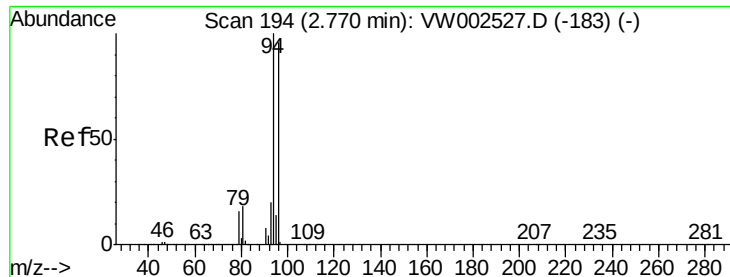
Tgt Ion: 62 Resp: 453163

Ion Ratio Lower Upper

62 100

64 31.6 24.0 36.0





#5

Bromomethane

Concen: 146.90 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.01 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 368501

Ion Ratio Lower Upper

94 100

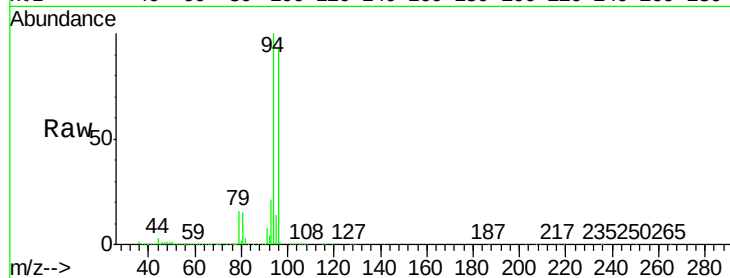
96 92.7 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

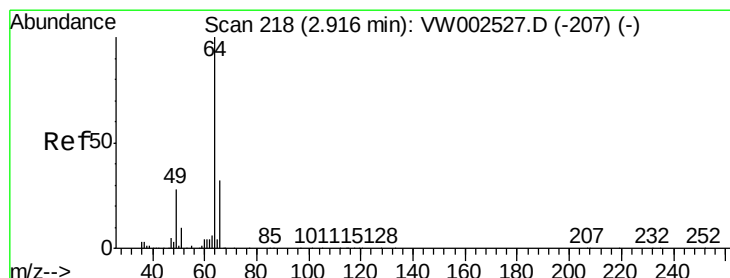
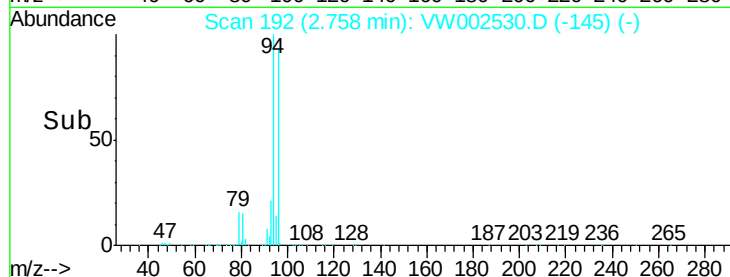
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 147.24 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW002530.D

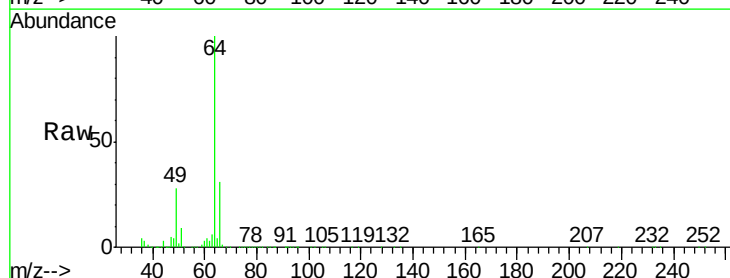
Acq: 14 May 2018 23:21

Tgt Ion: 64 Resp: 310441

Ion Ratio Lower Upper

64 100

66 31.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

120000

100000

80000

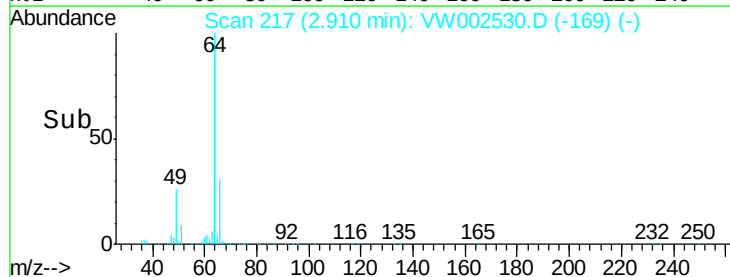
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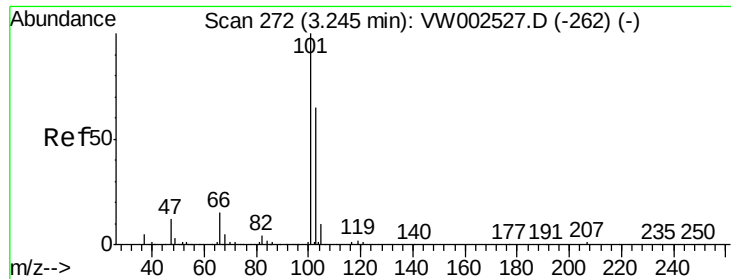
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20000

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Time-->





#7

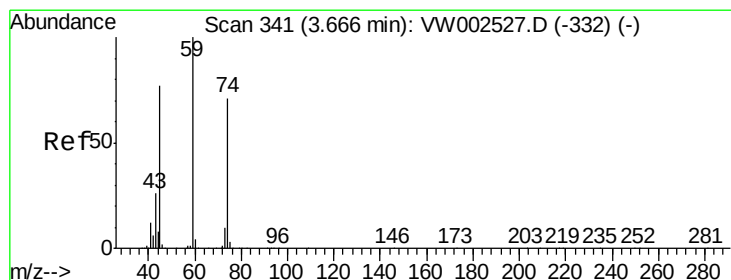
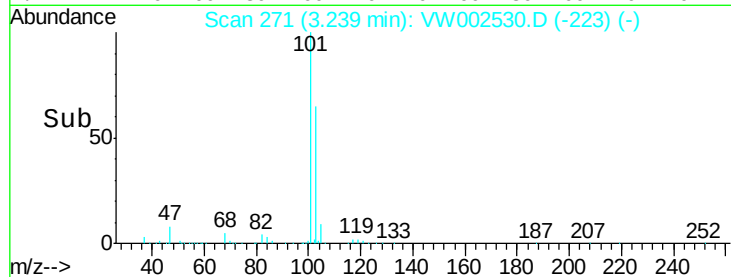
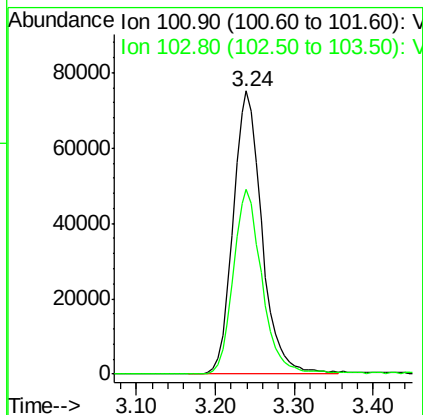
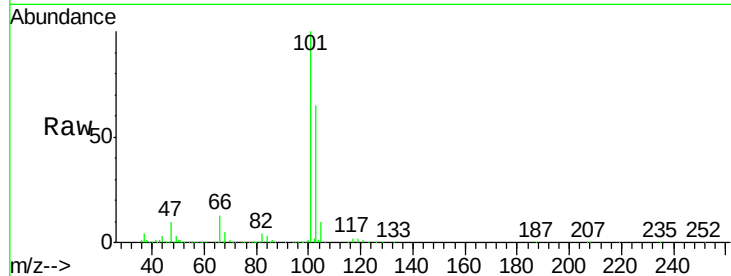
Trichlorofluoromethane
 Concen: 147.96 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

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 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	190804		
103	65.4	51.8	77.8	

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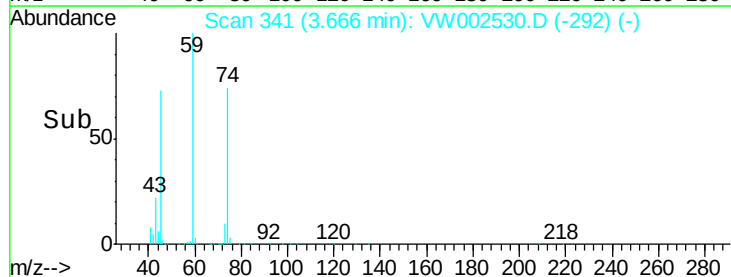
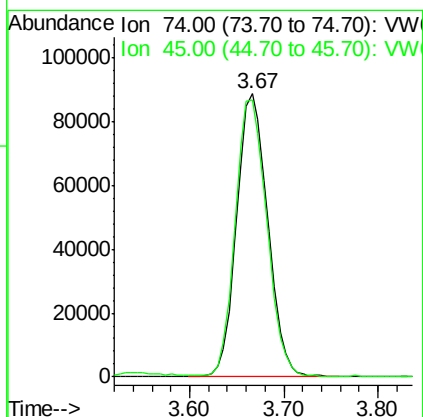
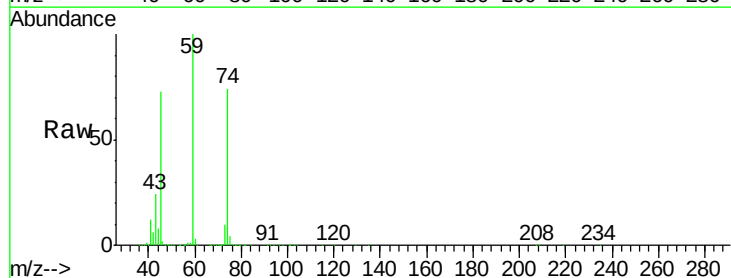
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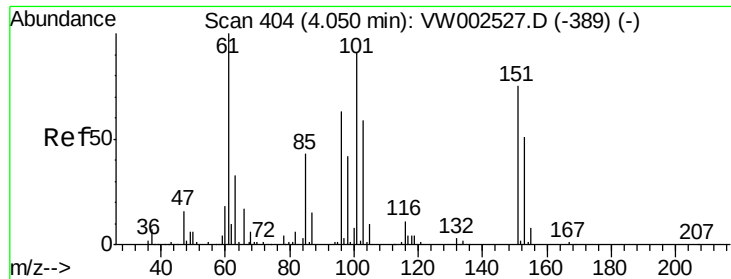


#8

Diethyl Ether
 Concen: 140.98 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	204831		
45	99.1	52.3	156.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.96 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

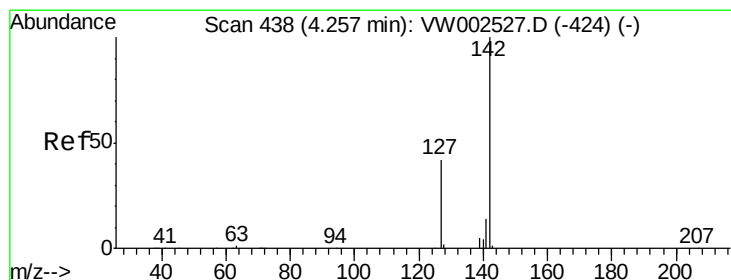
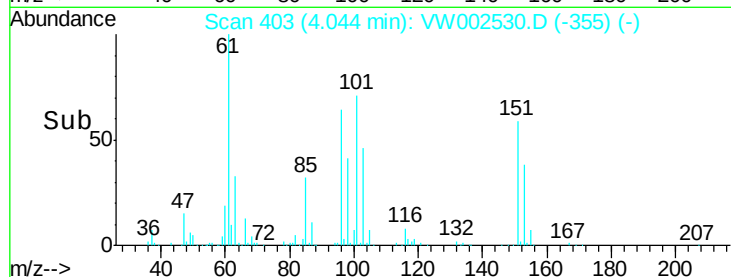
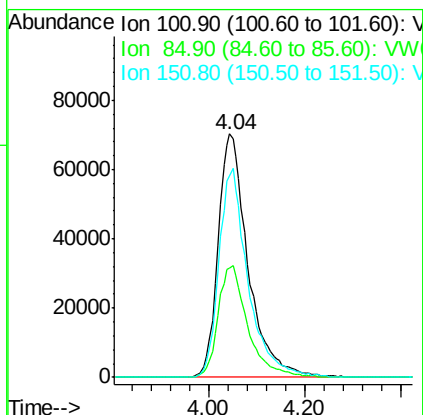
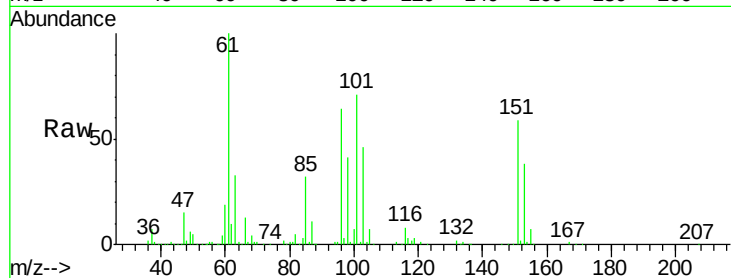
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	304027
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.5	54.7
151	83.9	66.7	100.1

Manual Integrations
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#10

Methyl Iodide

Concen: 134.60 ug/l

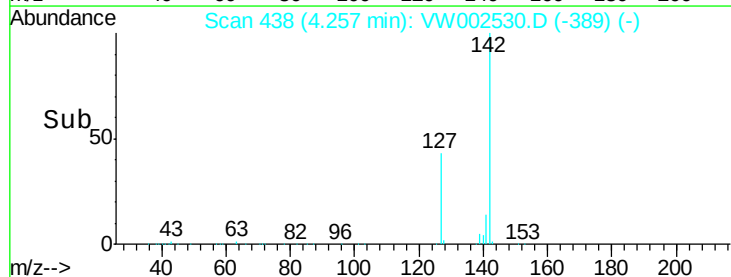
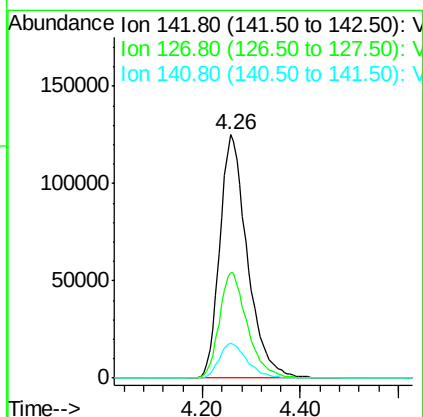
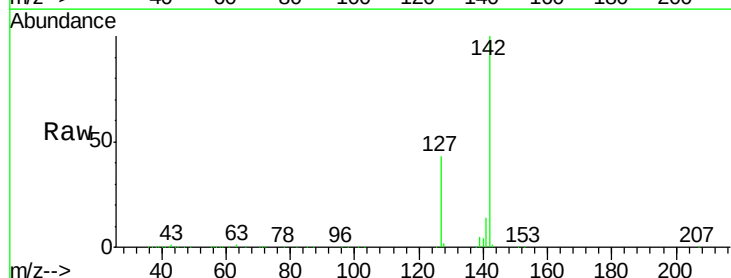
RT: 4.26 min Scan# 438

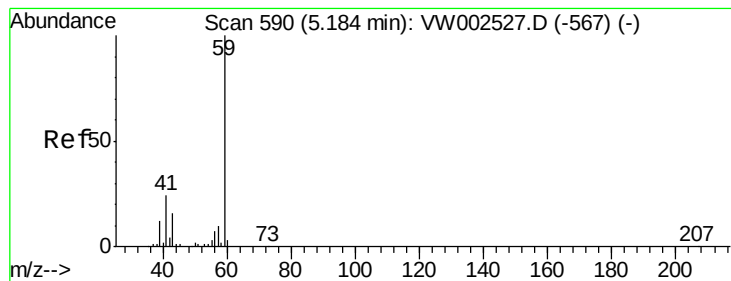
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	142	Resp:	487956
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.6	52.0
141	14.5	11.8	17.8





#11

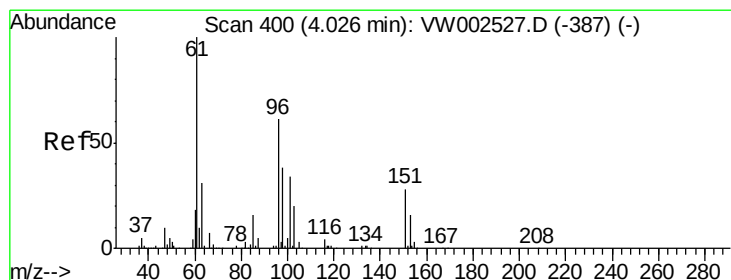
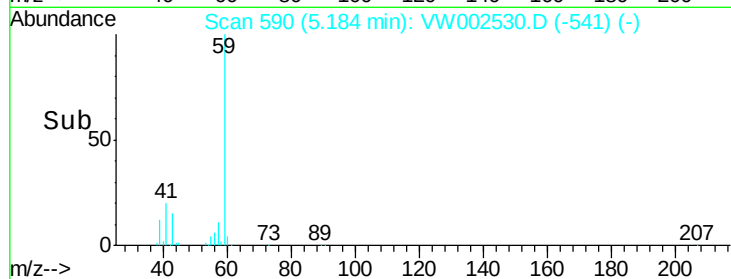
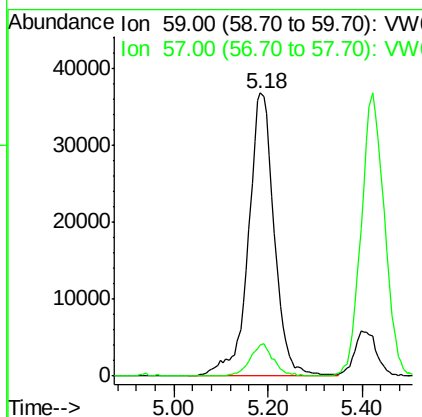
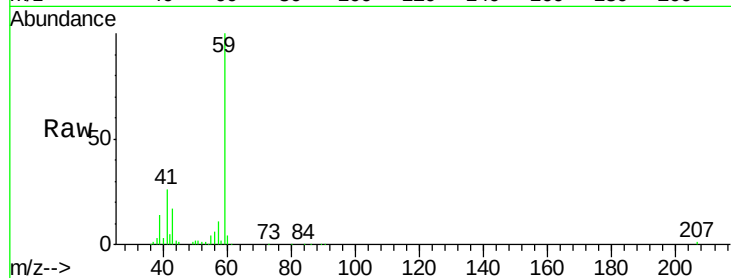
Tert butyl alcohol
Concen: 718.83 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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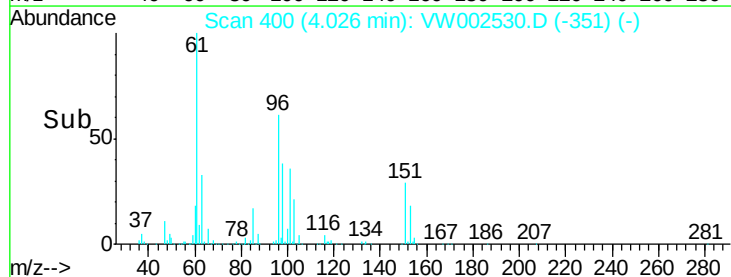
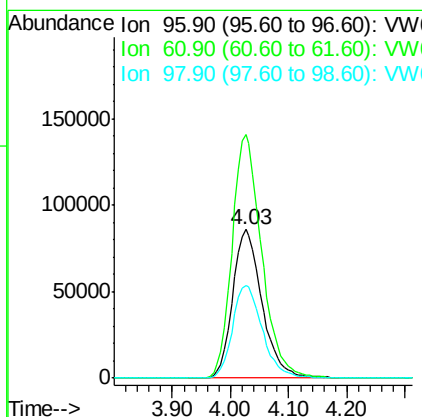
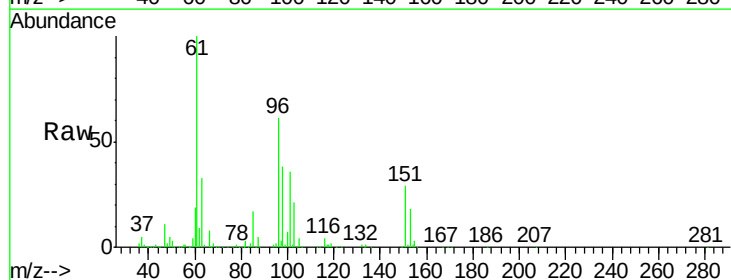
apatel
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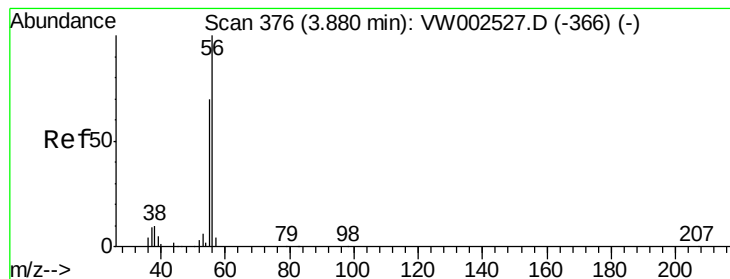


#12

1,1-Dichloroethene
Concen: 135.57 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	132.2	198.2
98	62.5	50.6	76.0





#13

Acrolein

Concen: 832.04 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 140166

Ion Ratio Lower Upper

56 100

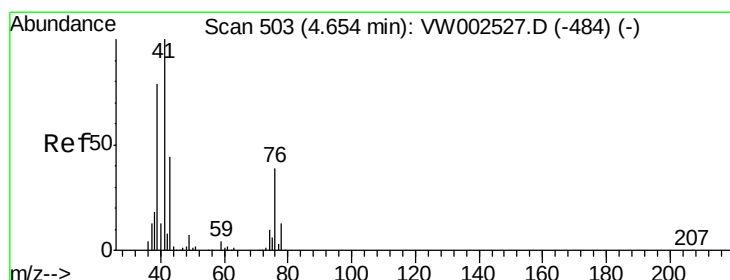
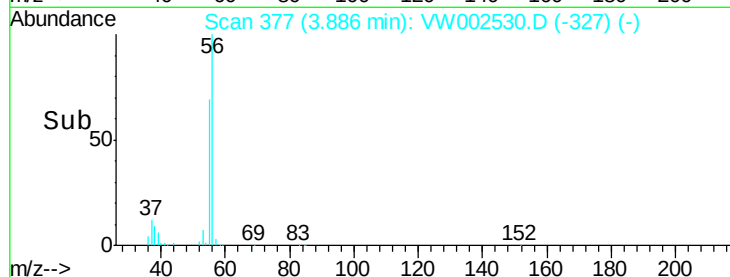
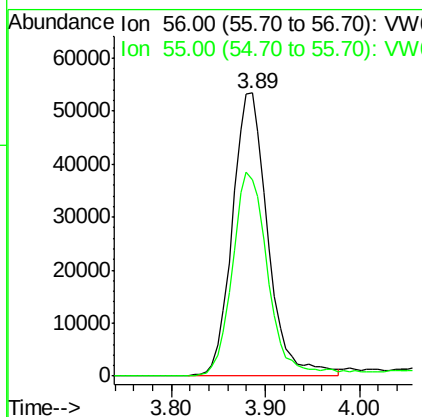
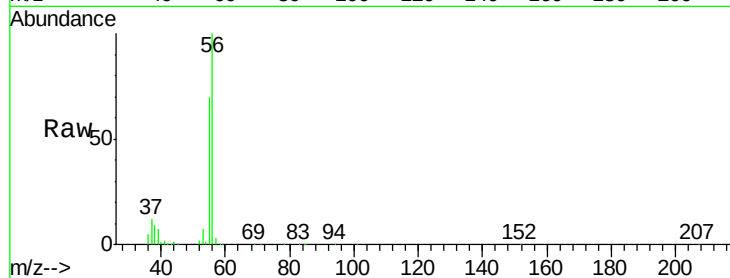
55 72.2 57.0 85.4

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#14

Allyl chloride

Concen: 143.98 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

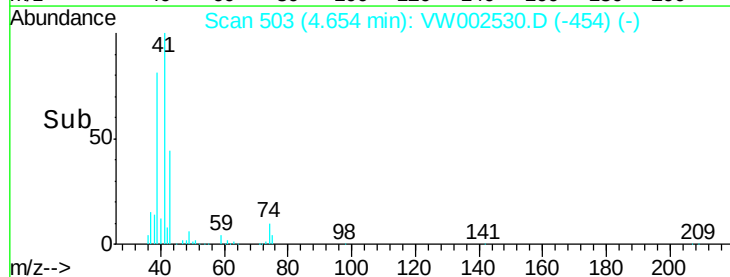
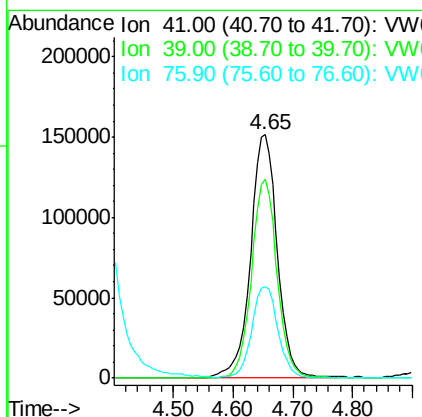
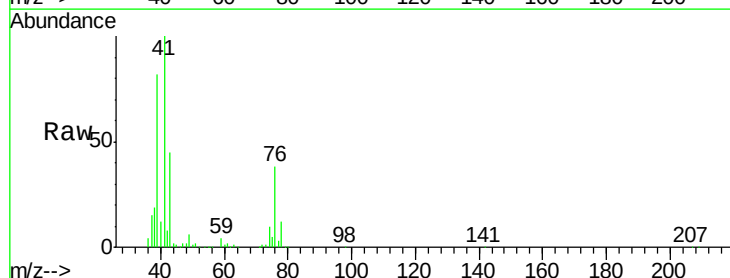
Tgt Ion: 41 Resp: 471926

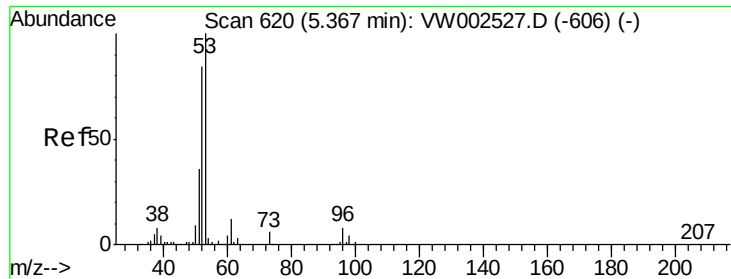
Ion Ratio Lower Upper

41 100

39 78.1 61.4 92.2

76 36.5 29.6 44.4





#15

Acrylonitrile

Concen: 719.94 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

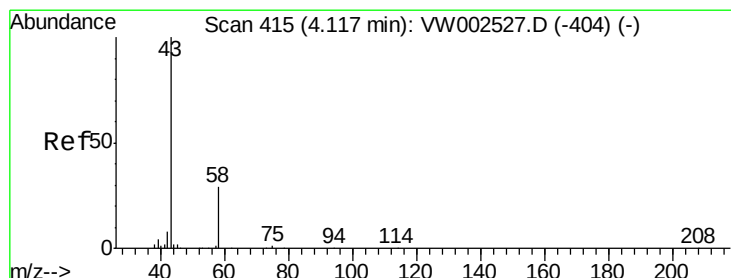
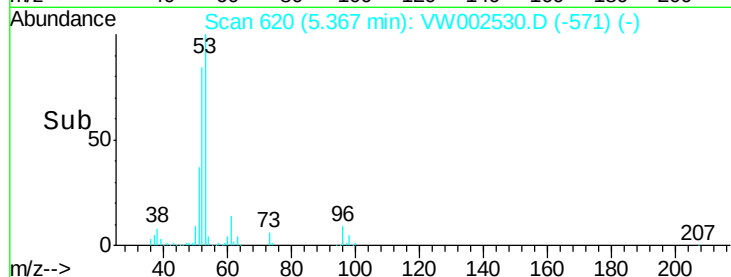
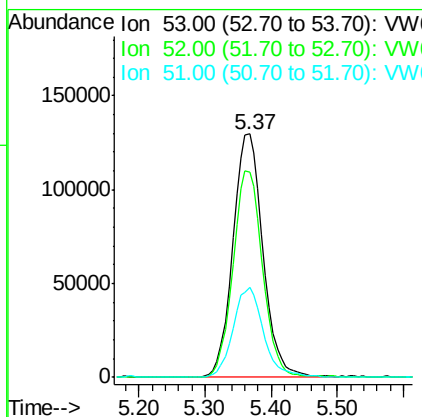
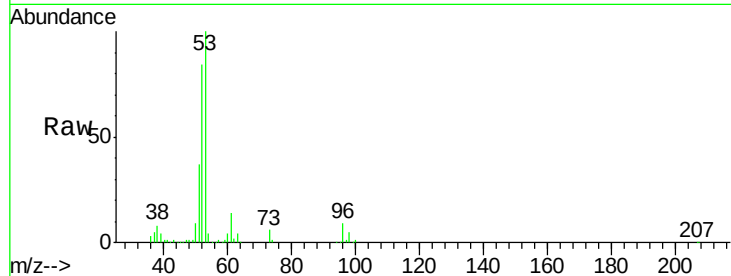
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	408977
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	100.0
51	37.7	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 682.18 ug/l

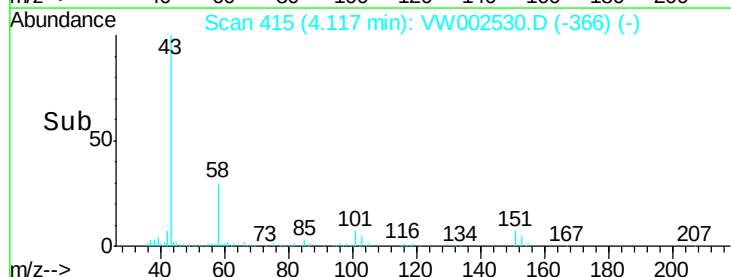
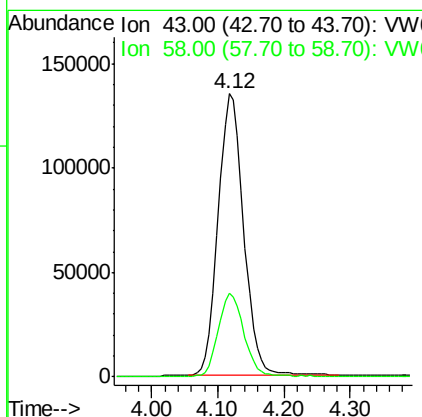
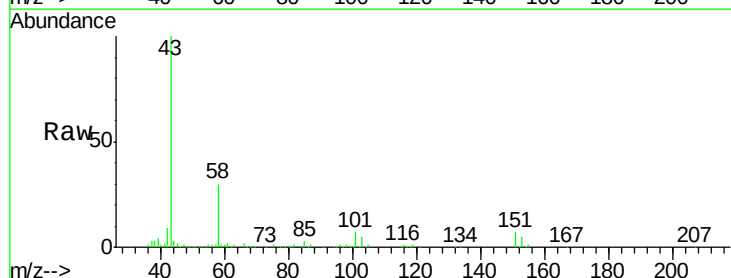
RT: 4.12 min Scan# 415

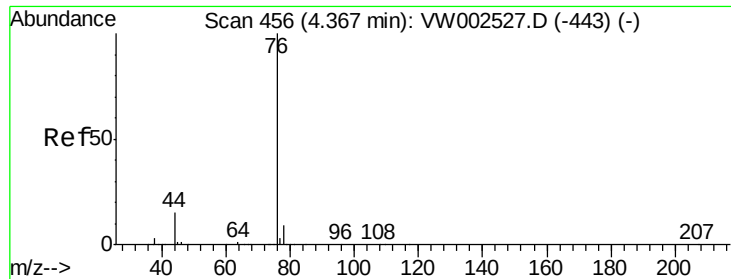
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	43	Resp:	358482
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.4	35.0





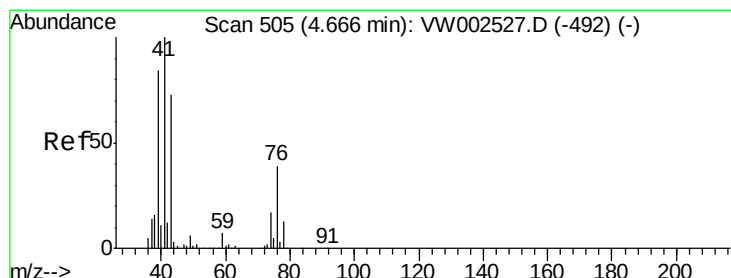
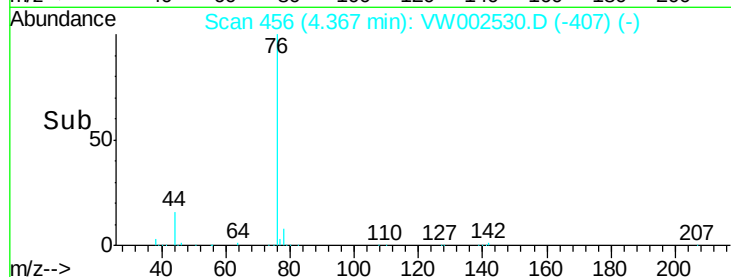
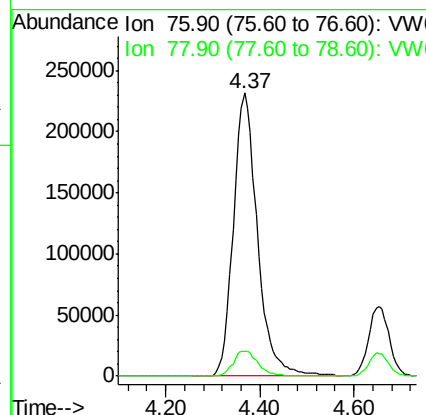
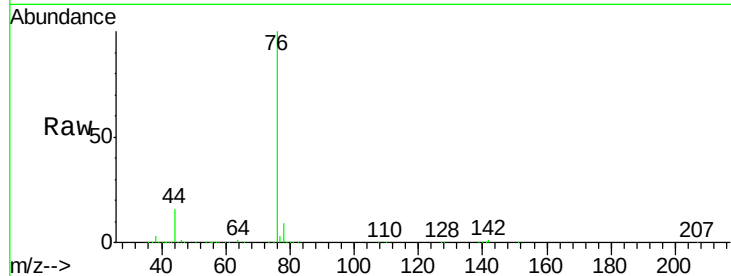
#17
Carbon Disulfide
Concen: 128.09 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

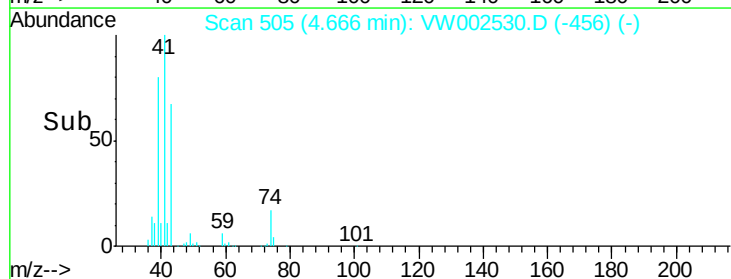
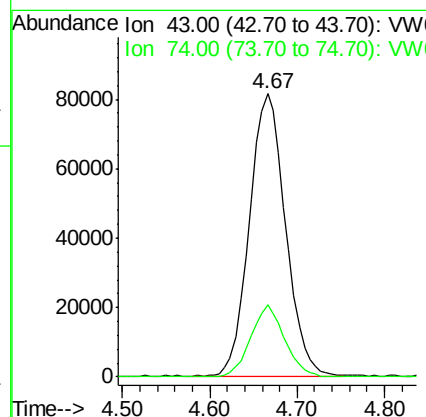
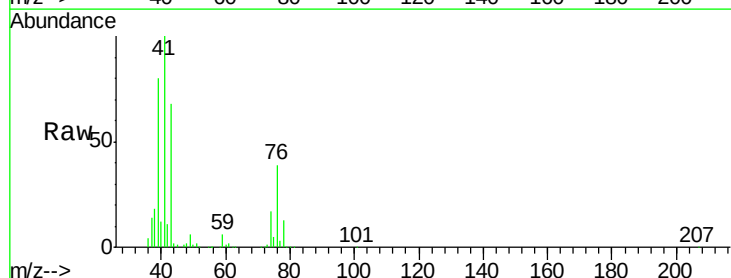
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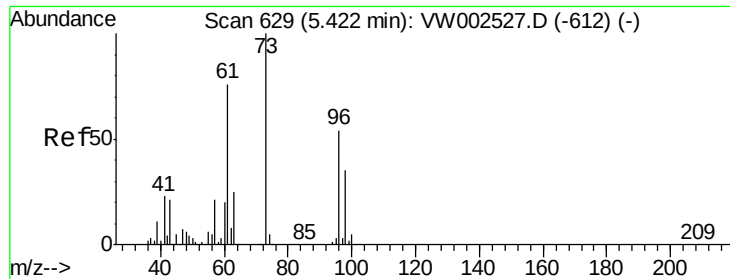
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#18
Methyl Acetate
Concen: 148.05 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





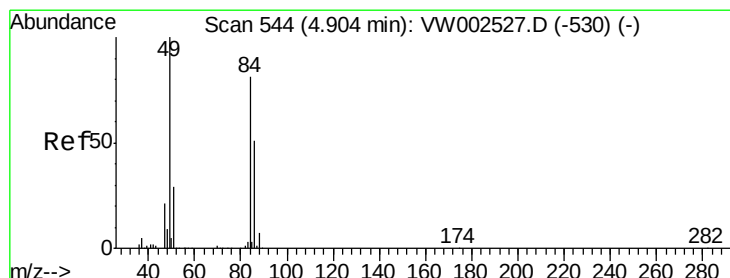
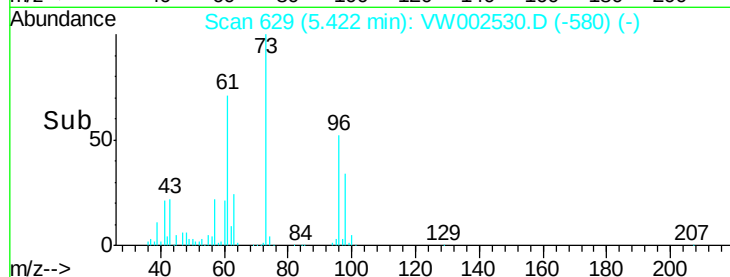
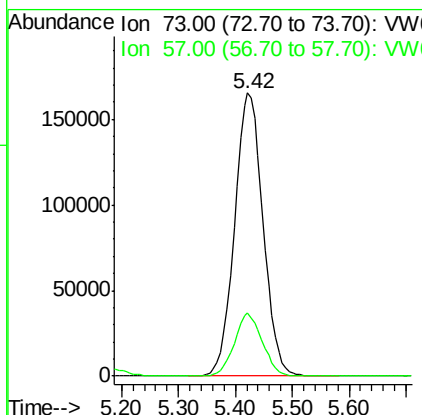
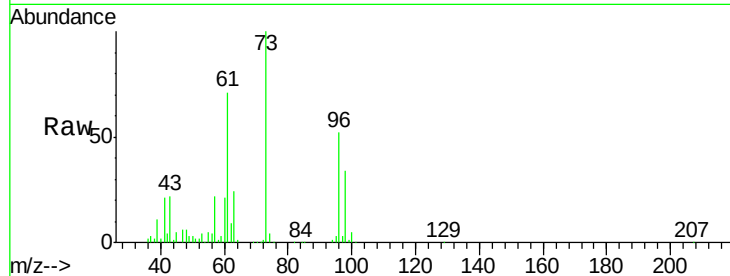
#19
Methyl tert-butyl Ether
Concen: 146.06 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 575765
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.6

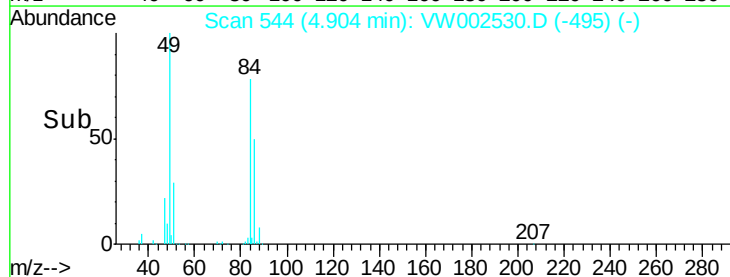
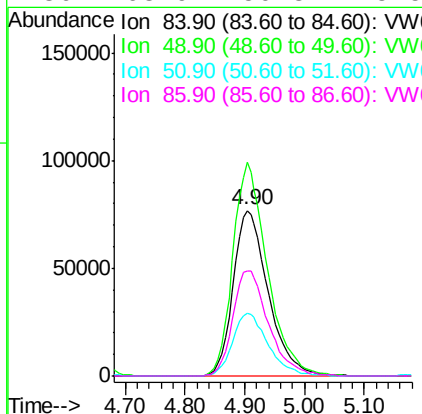
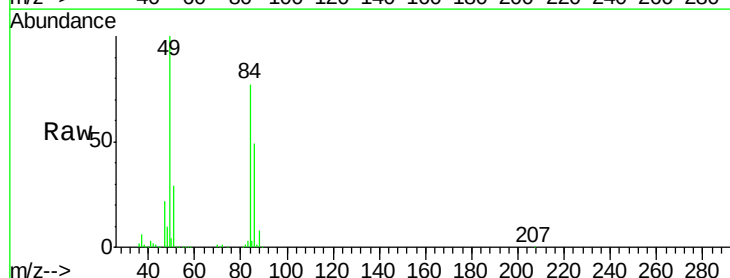
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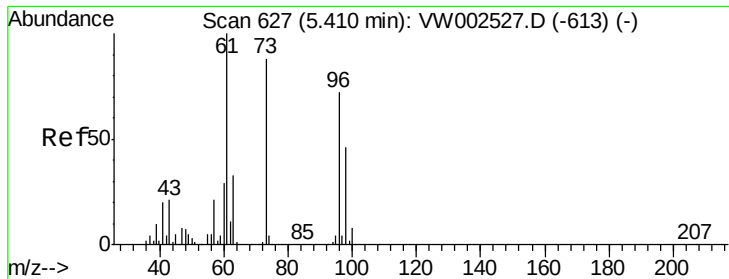
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#20
Methylene Chloride
Concen: 127.06 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 84 Resp: 313534
Ion Ratio Lower Upper
84 100
49 129.2 99.4 149.0
51 37.8 29.0 43.6
86 63.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 137.95 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

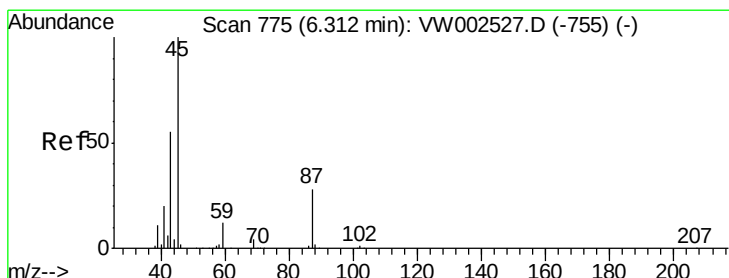
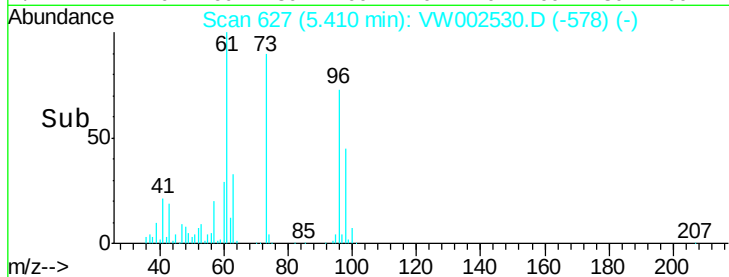
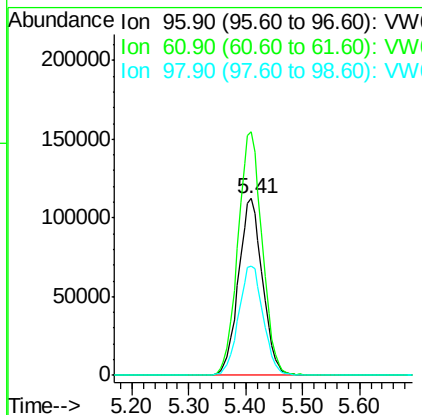
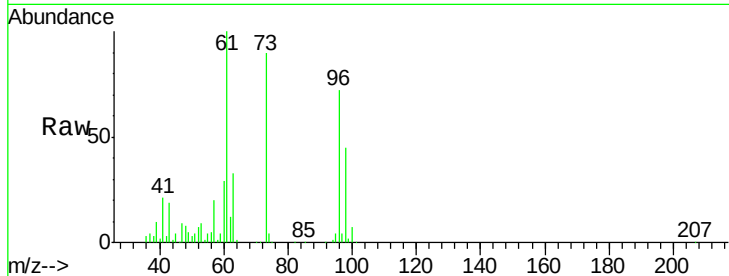
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	331370
Ion	Ratio	Lower	Upper
96	100		
61	138.0	111.6	167.4
98	62.0	51.7	77.5

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#22

Diisopropyl ether

Concen: 148.32 ug/l

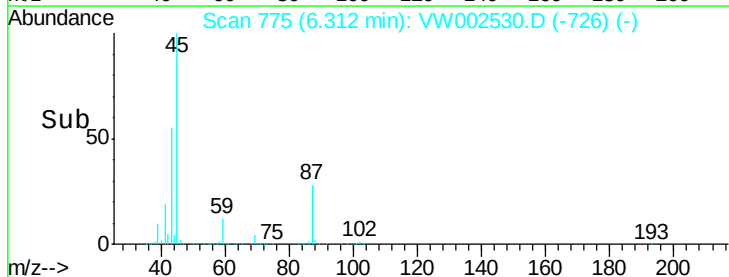
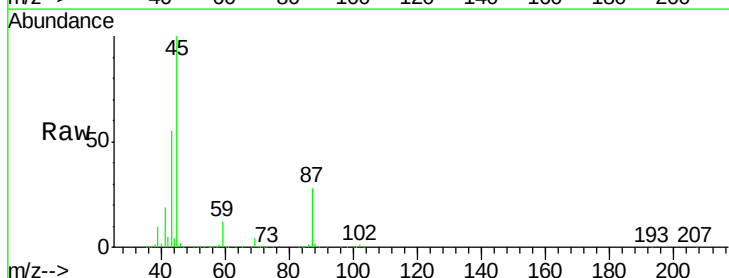
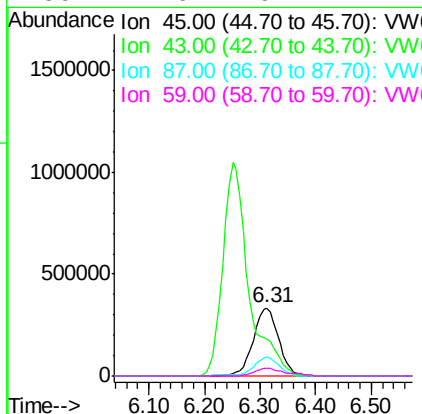
RT: 6.31 min Scan# 775

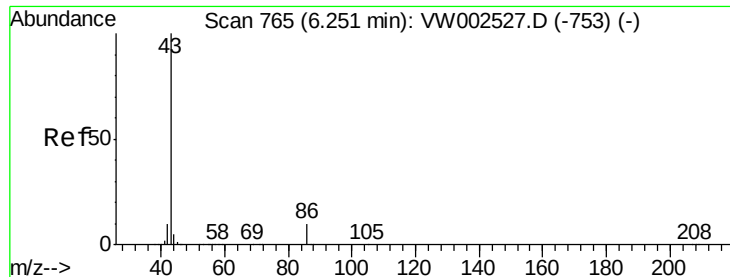
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	45	Resp:	1069489
Ion	Ratio	Lower	Upper
45	100		
43	55.2	44.4	66.6
87	27.4	23.0	34.4
59	11.6	9.4	14.2





#23

Vinyl Acetate

Concen: 779.98 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3382548

Ion Ratio Lower Upper

43 100

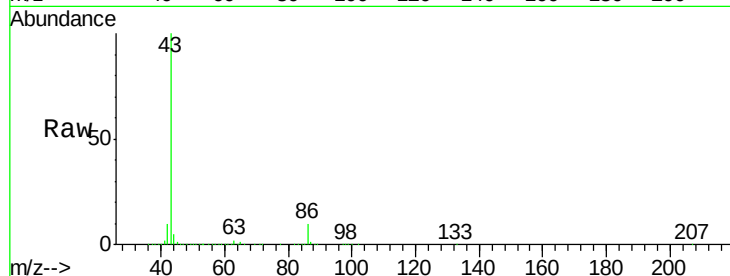
86 9.9 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

1200000

1000000

800000

600000

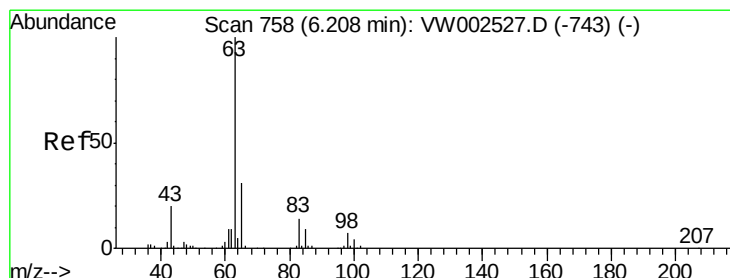
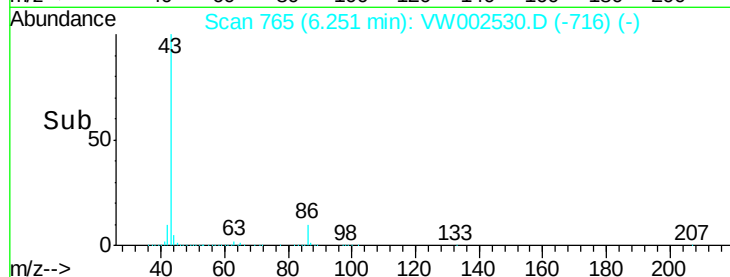
400000

200000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 140.00 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

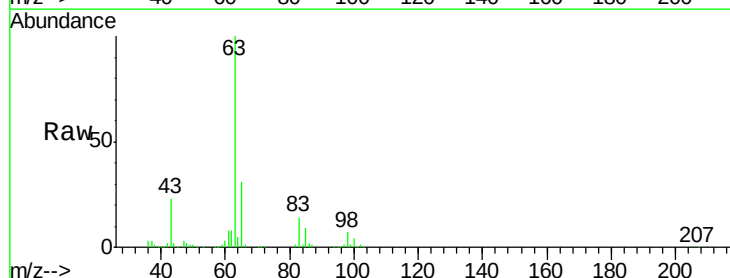
Tgt Ion: 63 Resp: 610478

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

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

250000

200000

150000

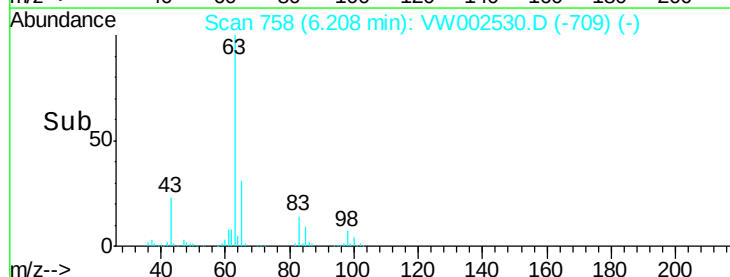
100000

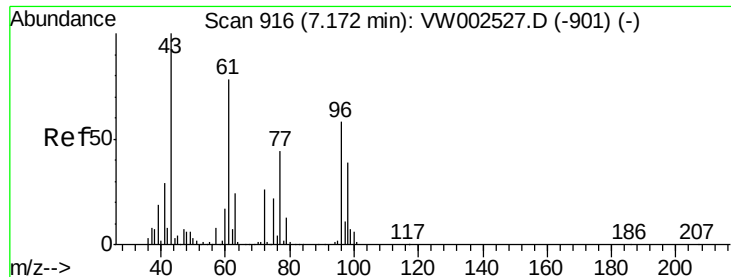
50000

0

6.00 6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 734.13 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 569458

Ion Ratio Lower Upper

43 100

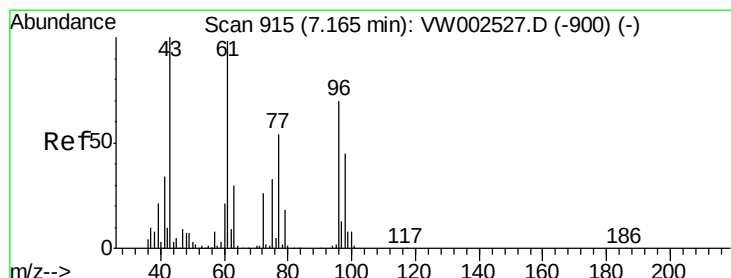
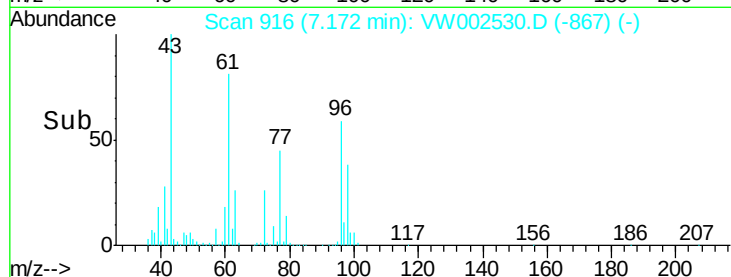
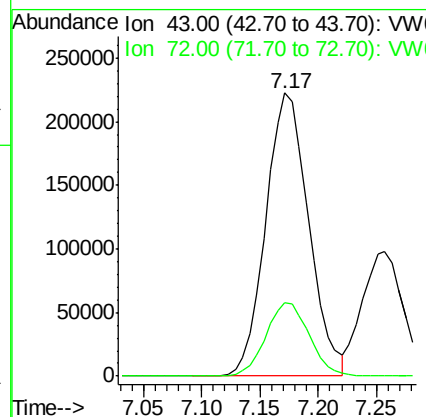
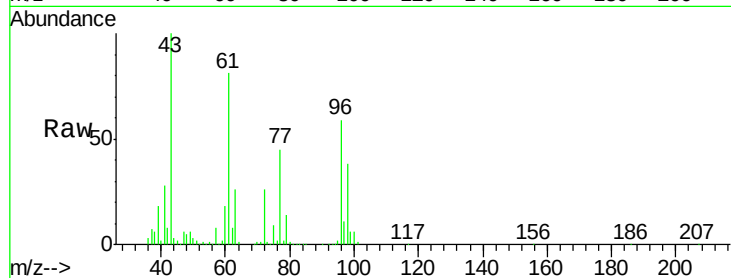
72 26.0 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 146.11 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002530.D

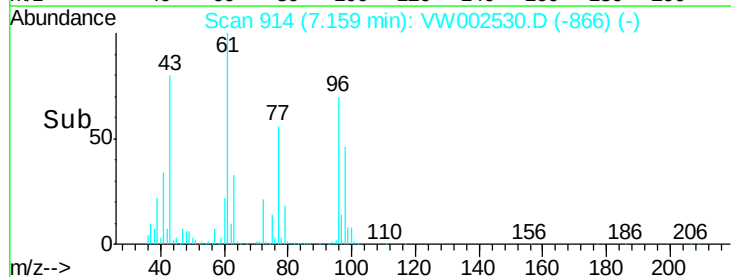
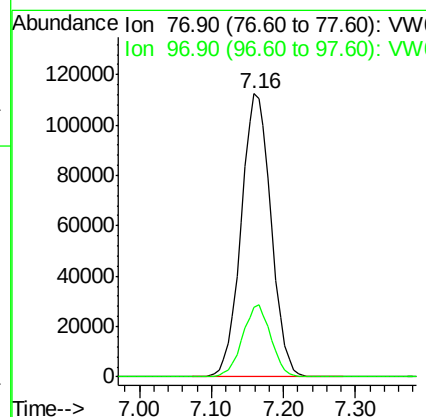
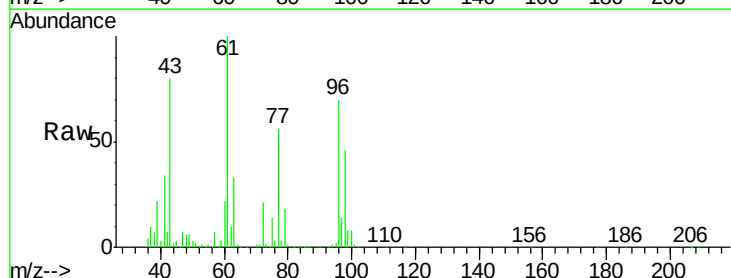
Acq: 14 May 2018 23:21

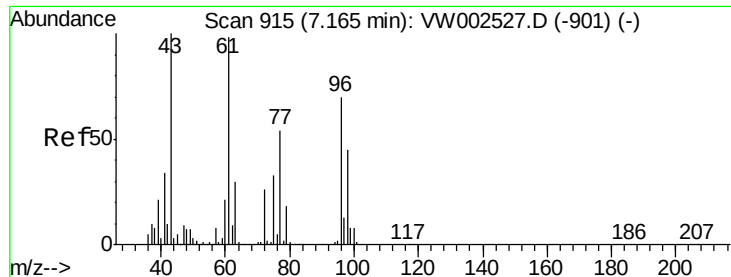
Tgt Ion: 77 Resp: 322916

Ion Ratio Lower Upper

77 100

97 24.2 12.1 36.3





#27

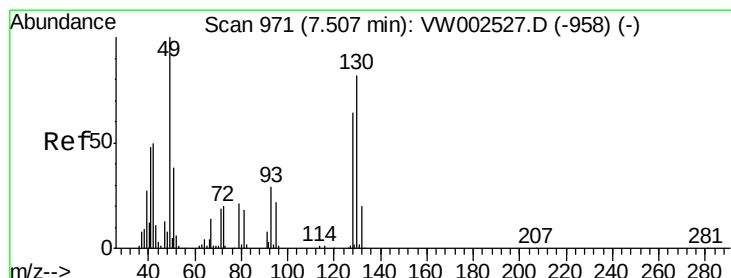
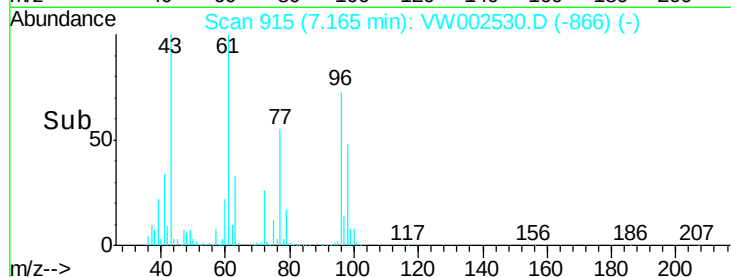
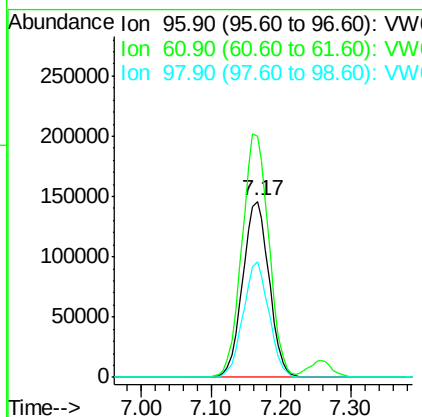
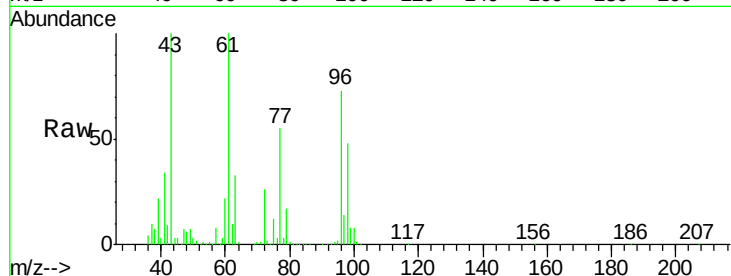
cis-1,2-Dichloroethene
Concen: 140.30 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	381338		
61	140.9		0.0	281.6
98	64.3		0.0	130.8

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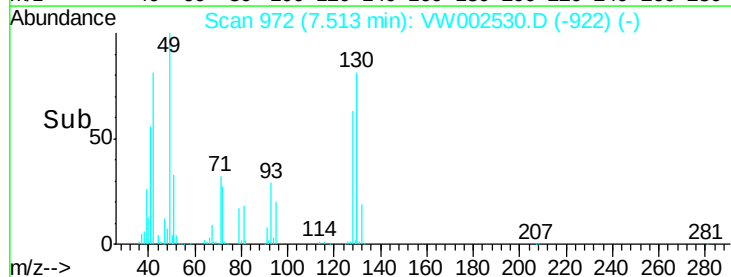
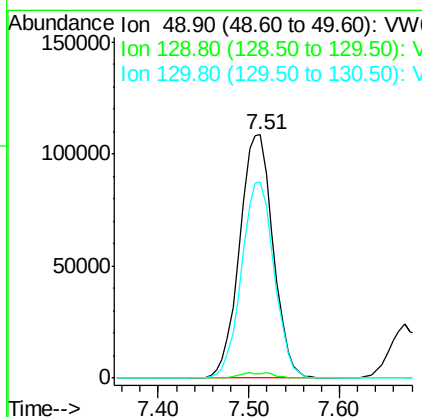
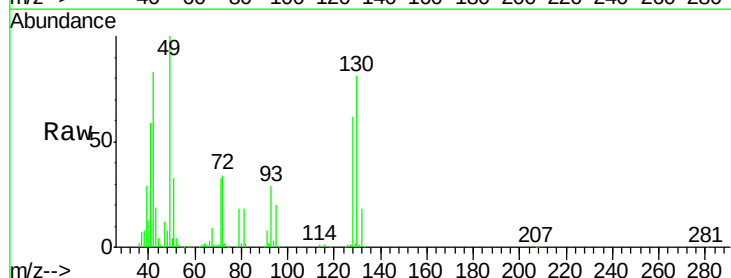
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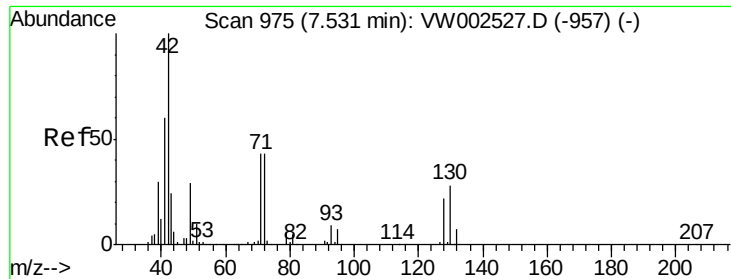


#28

Bromochloromethane
Concen: 139.95 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	277673		
129	2.2		0.0	4.4
130	78.6		64.7	97.1





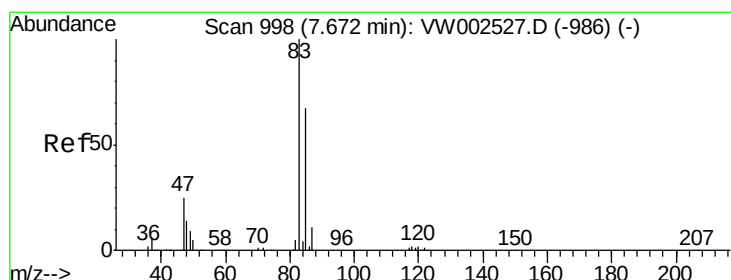
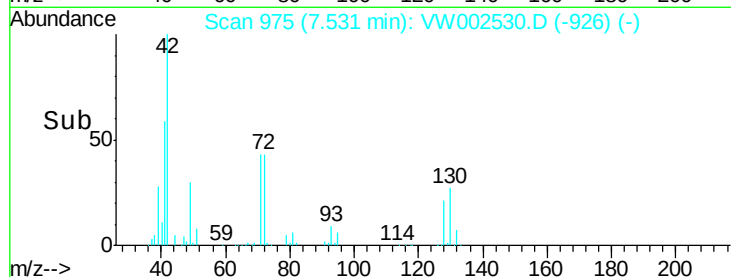
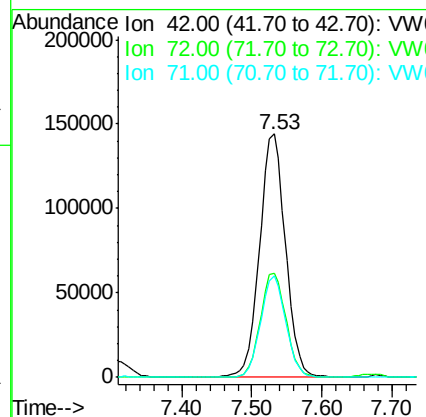
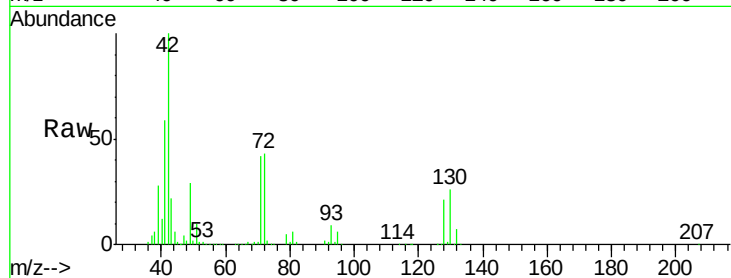
#29
Tetrahydrofuran
Concen: 731.19 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:	42	Resp:	370069
Ion	Ratio	Lower	Upper
42	100		
72	42.6	35.0	52.4
71	40.6	33.0	49.6

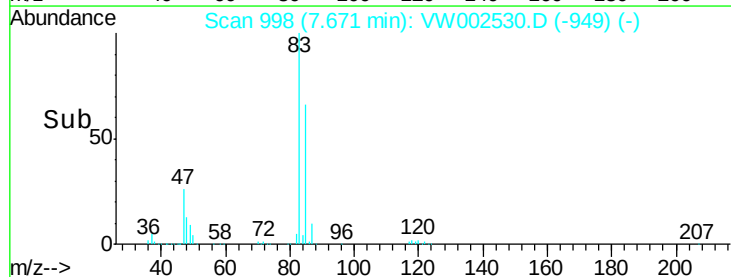
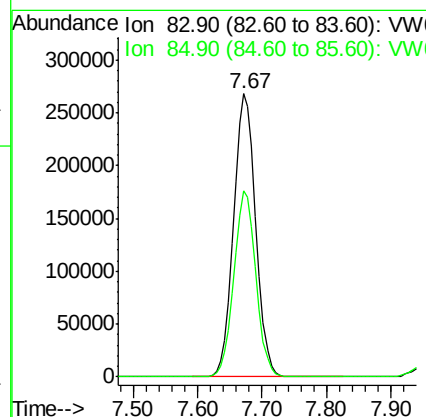
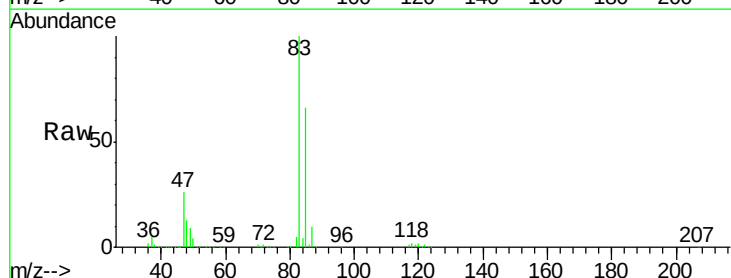
Manual Integrations
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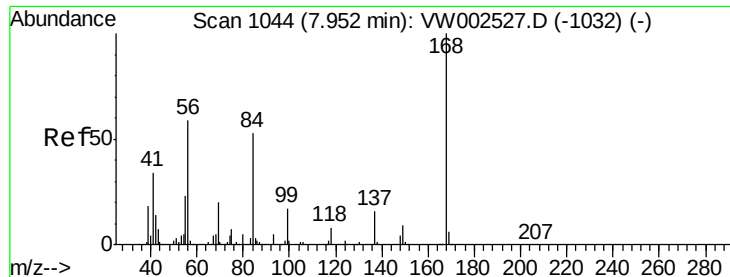
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#30
Chloroform
Concen: 141.26 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion:	83	Resp:	646440
Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.9	80.9





#31

Cyclohexane

Concen: 128.72 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

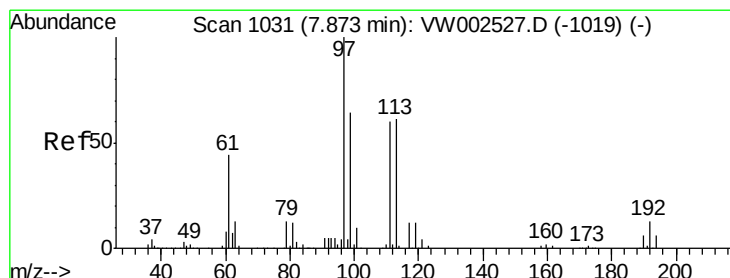
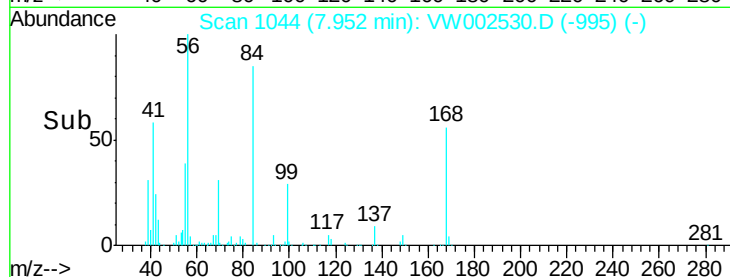
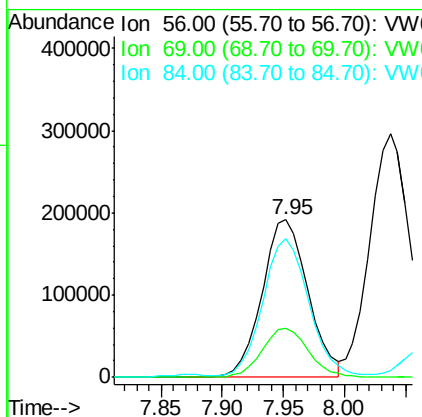
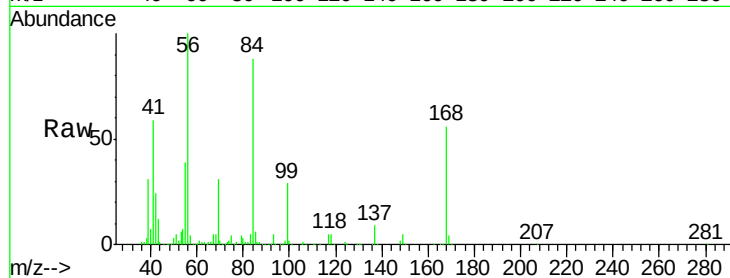
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	499772
Ion Ratio	Lower	Upper	
56	100		
69	31.1	27.0	40.4
84	85.6	72.2	108.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 143.61 ug/l

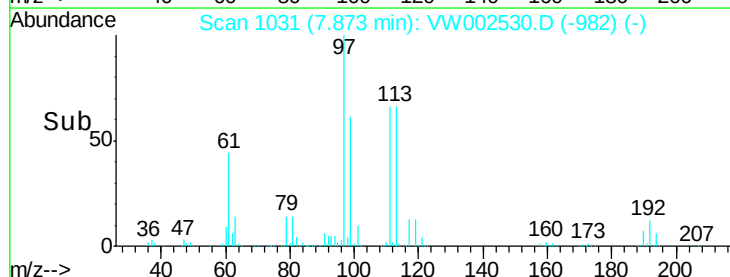
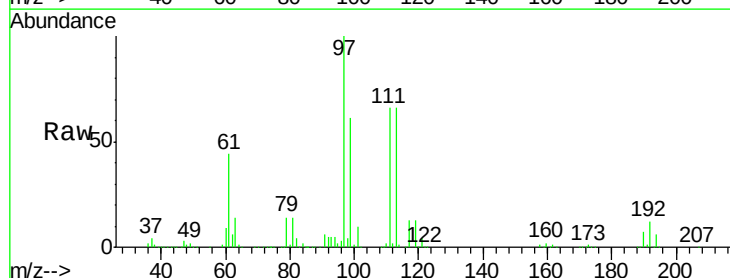
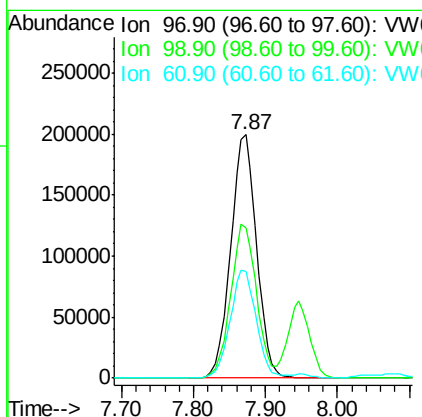
RT: 7.87 min Scan# 1031

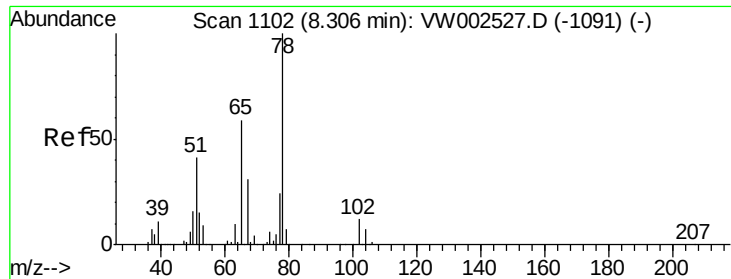
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	97	Resp:	495906
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.1	76.7
61	44.6	35.9	53.9





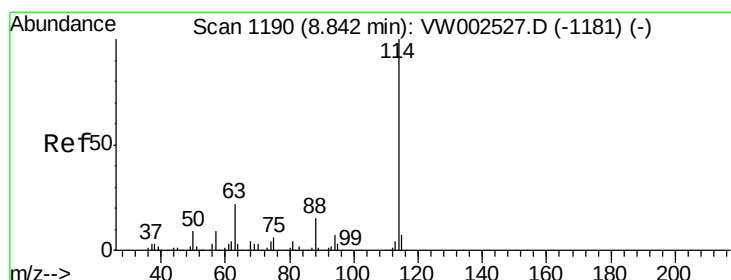
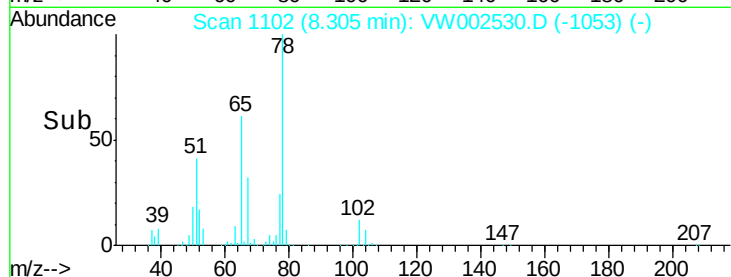
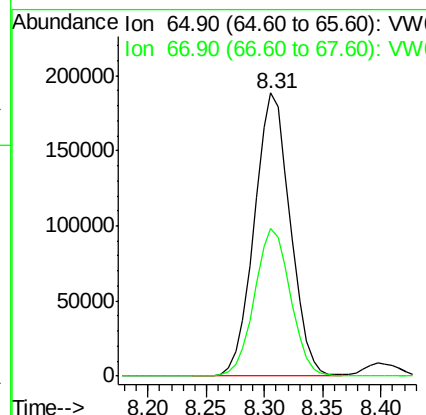
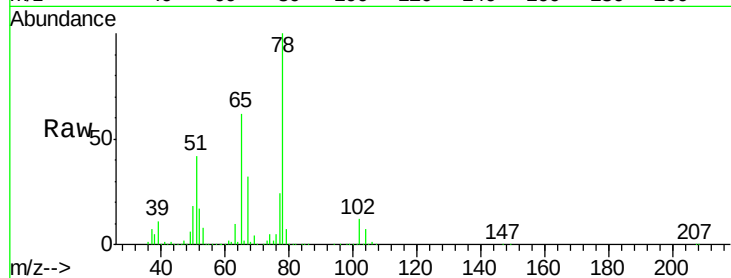
#33
 1,2-Dichloroethane-d4
 Concen: 153.19 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.4	

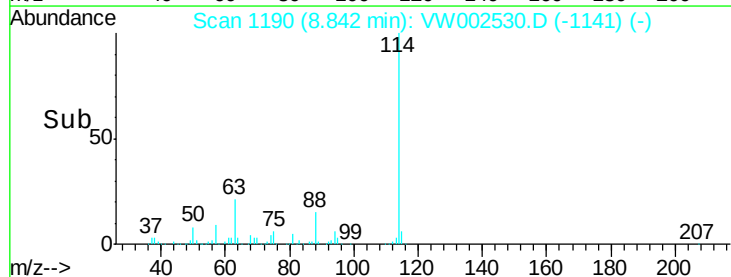
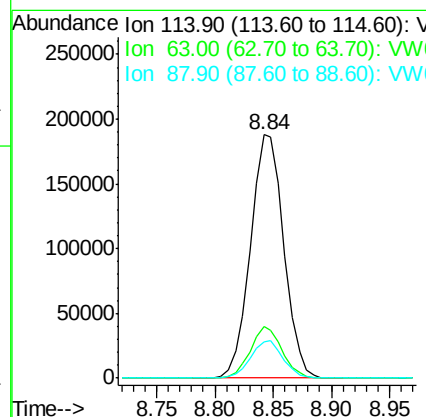
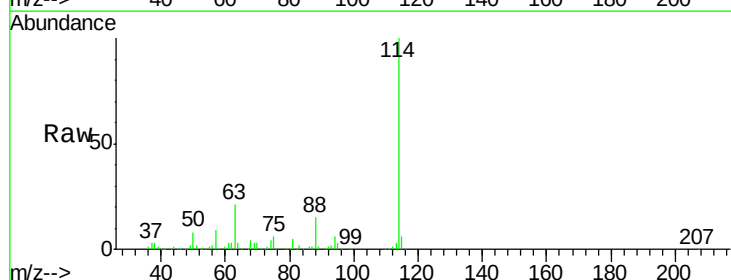
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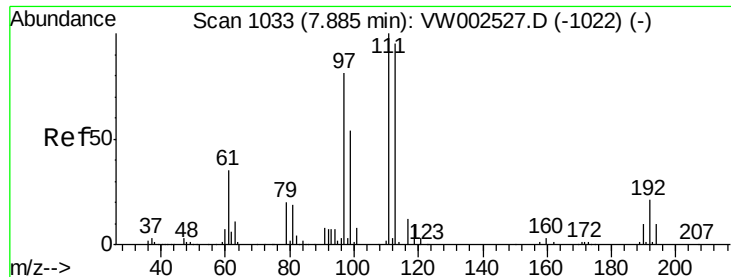
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	43.2	
88	15.1	0.0	29.2	





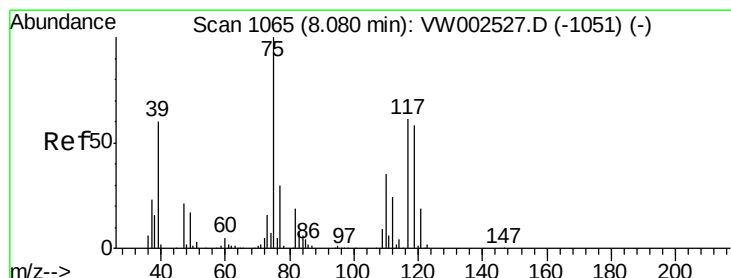
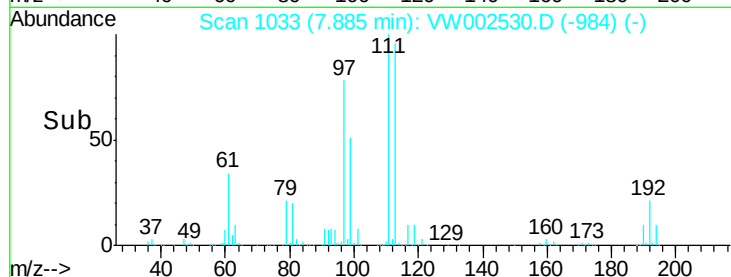
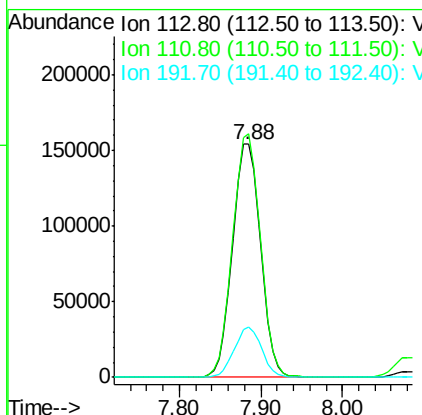
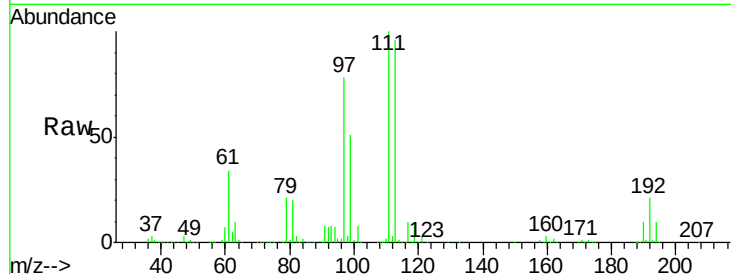
#35
 Dibromofluoromethane
 Concen: 154.54 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	367332		
111	102.9	81.8	122.8	
192	21.0	17.5	26.3	

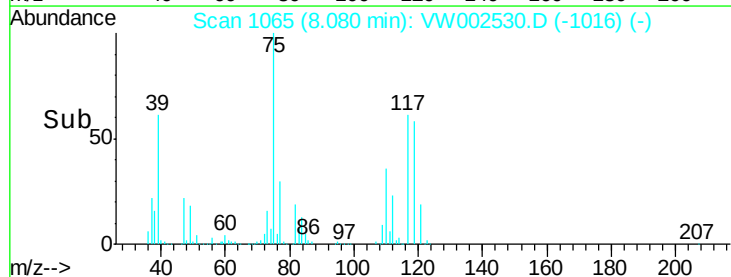
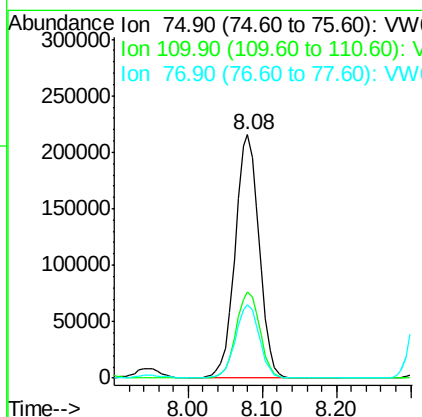
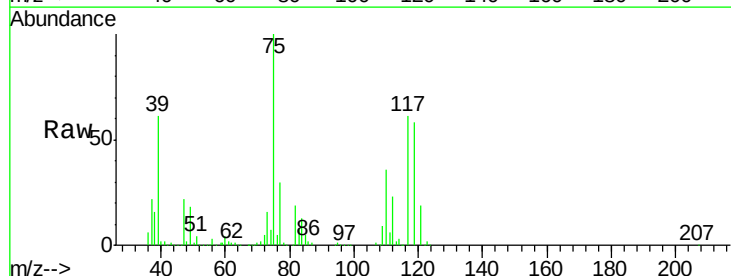
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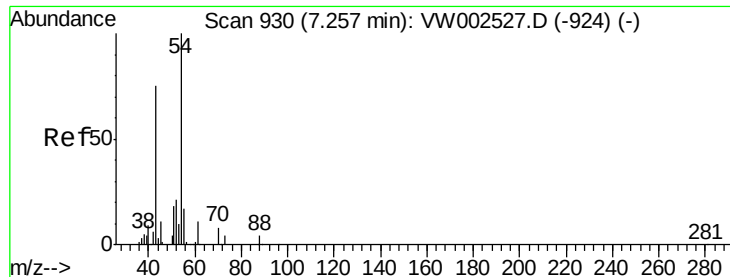
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#36
 1,1-Dichloropropene
 Concen: 144.42 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	486290		
110	35.4	17.8	53.5	
77	30.4	24.5	36.7	





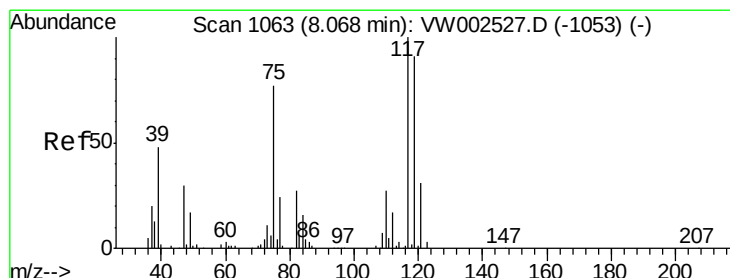
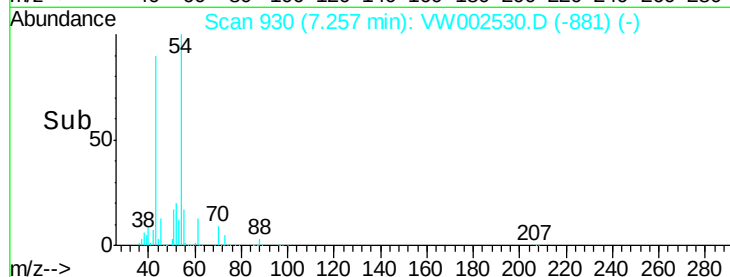
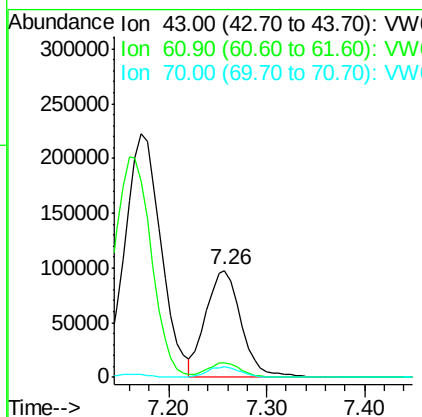
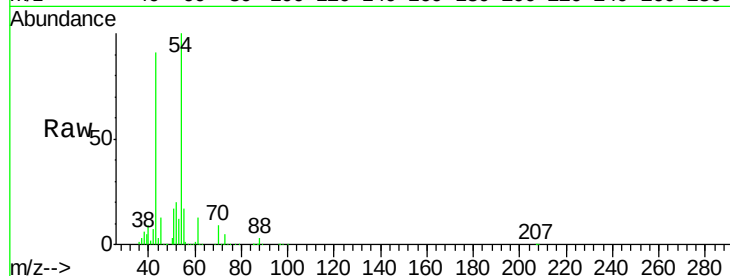
#37
Ethyl Acetate
Concen: 147.53 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.1	16.7
70	9.6	7.8	11.8

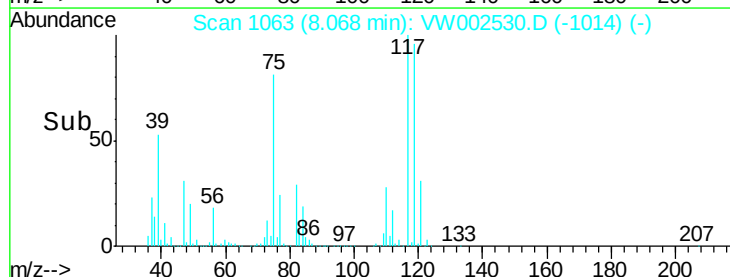
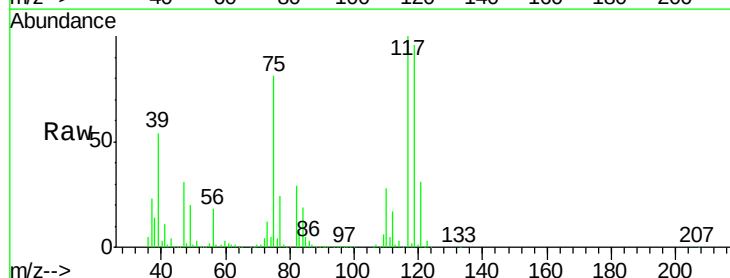
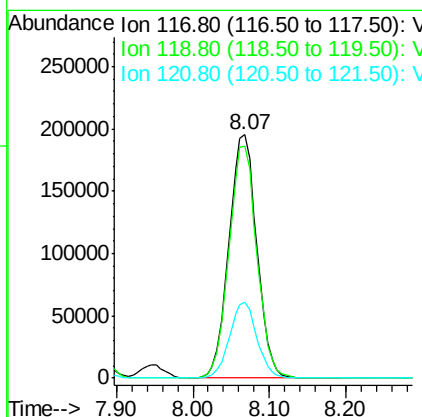
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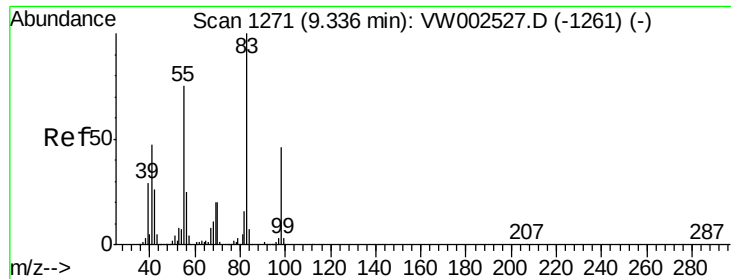
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#38
Carbon Tetrachloride
Concen: 150.80 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	73.1	109.7
121	31.4	24.4	36.6





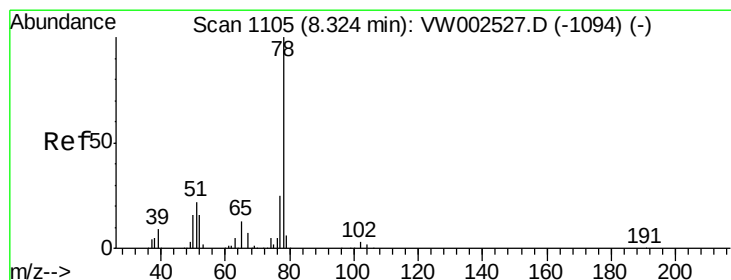
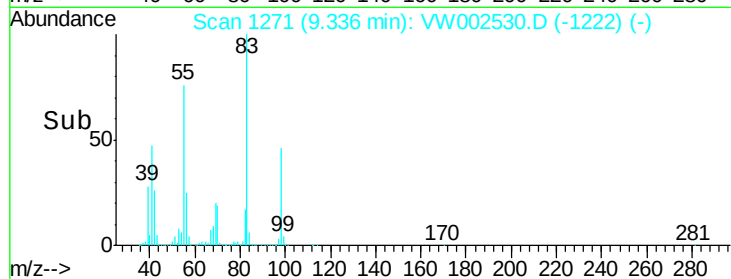
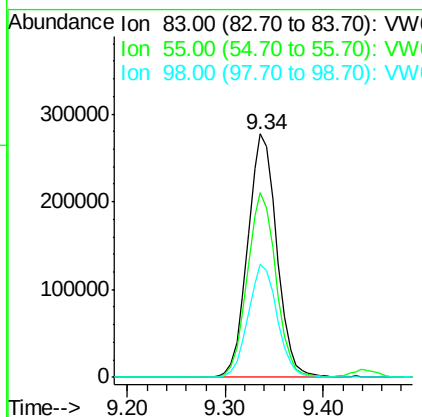
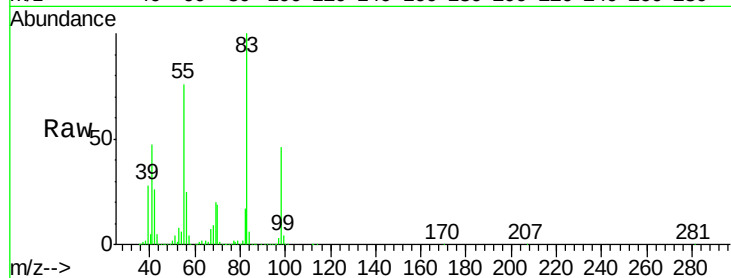
#39
Methylvlcyclohexane
Concen: 145.82 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.0	90.0
98	46.3	37.0	55.4

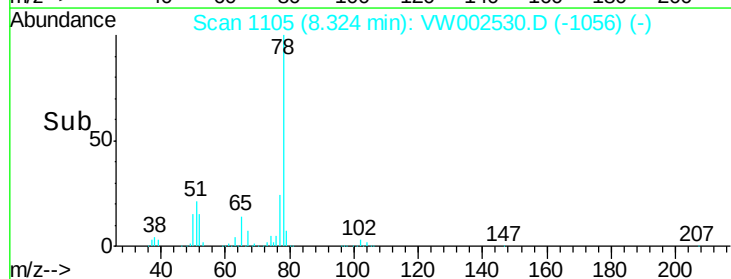
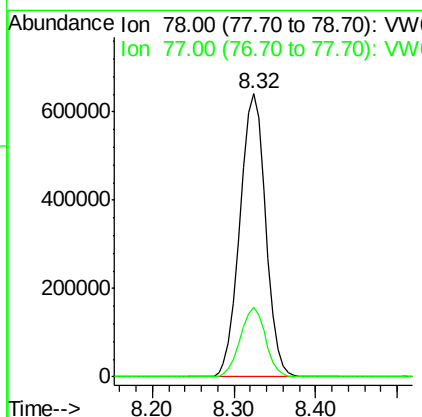
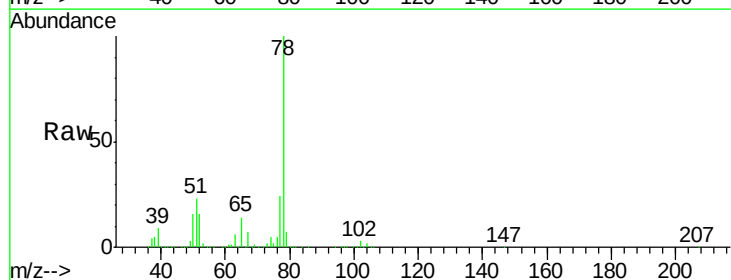
Manual Integrations
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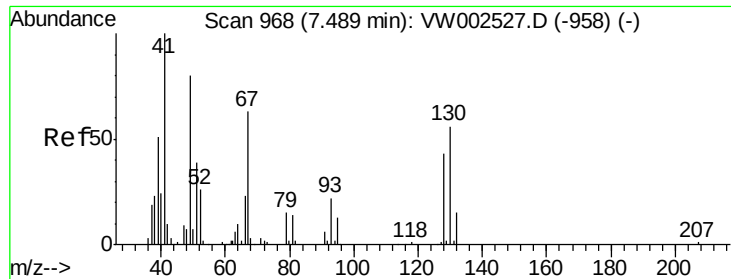
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#40
Benzene
Concen: 142.88 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.9	29.9





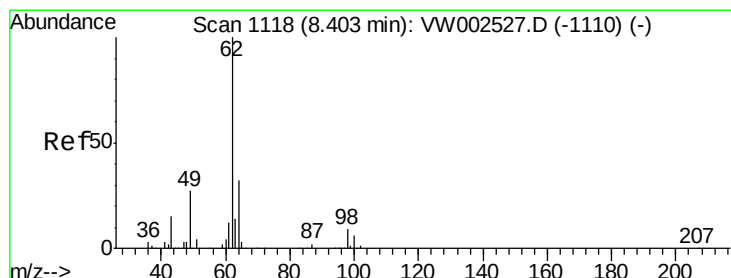
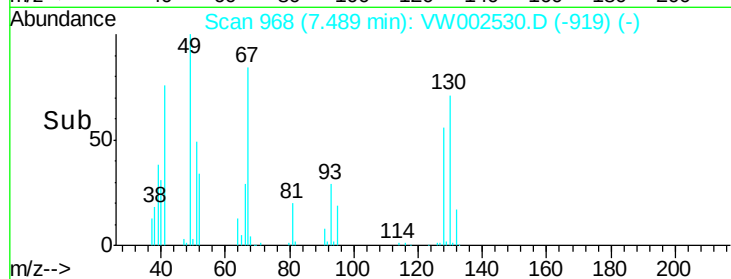
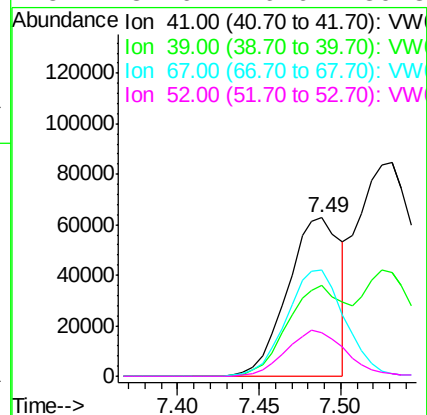
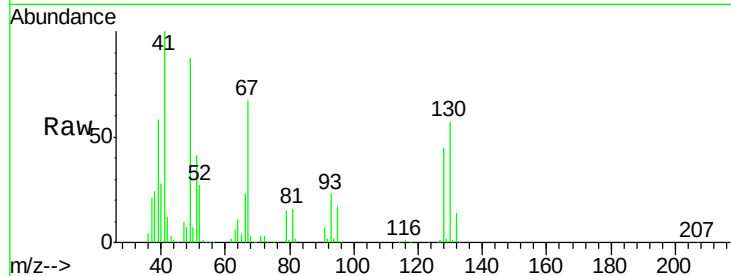
#41
Methacrylonitrile
Concen: 152.75 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		142030		
39	63.9	51.8	77.8		
67	73.7	59.9	89.9		
52	32.6	26.6	39.8		

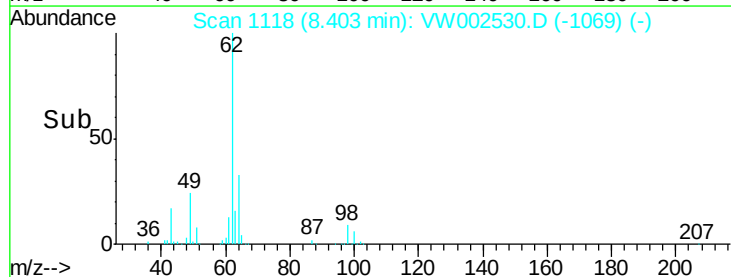
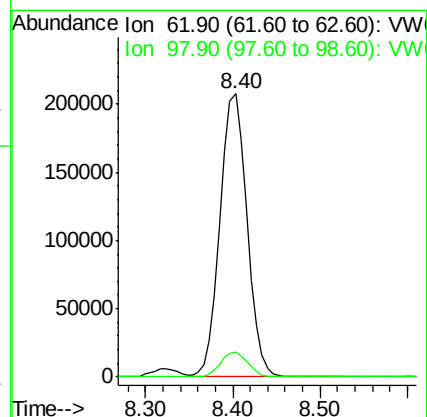
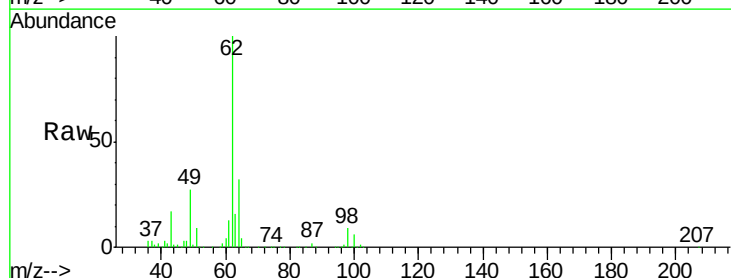
Manual Integrations
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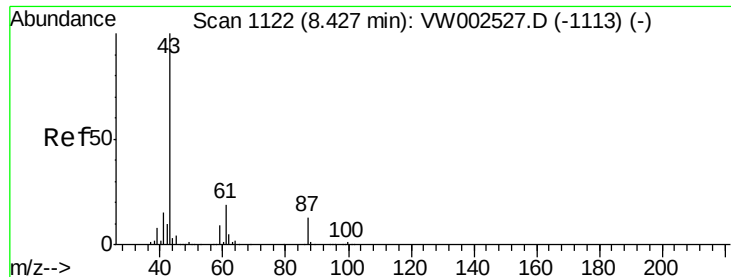
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#42
1,2-Dichloroethane
Concen: 145.15 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		445971		
98	8.9	0.0	17.8		





#43

Isopropyl Acetate

Concen: 156.56 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

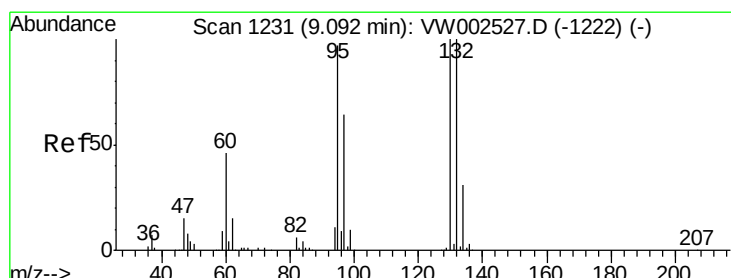
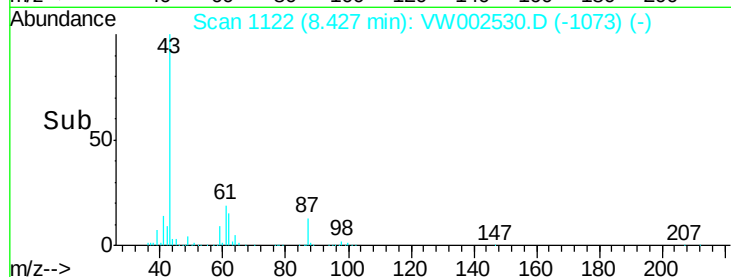
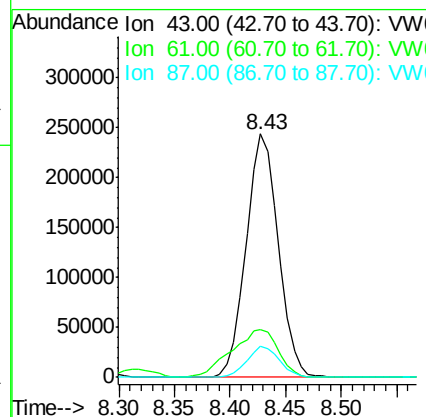
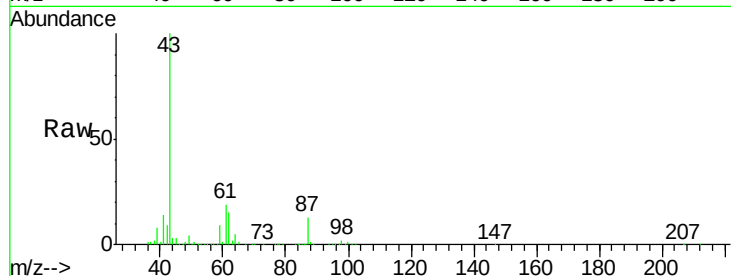
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	491824
Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.0	34.6
87	12.7	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 141.33 ug/l

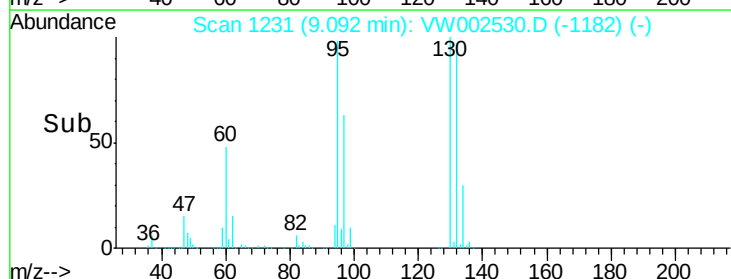
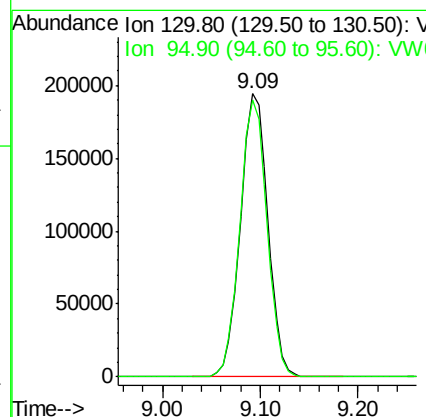
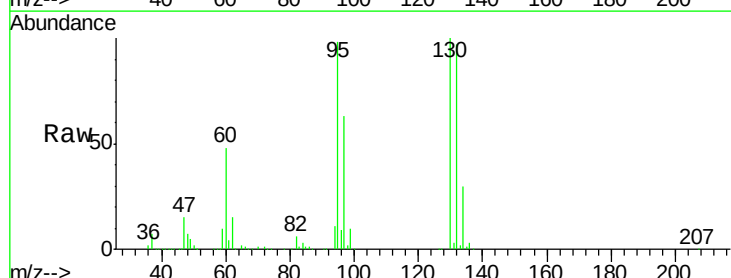
RT: 9.09 min Scan# 1231

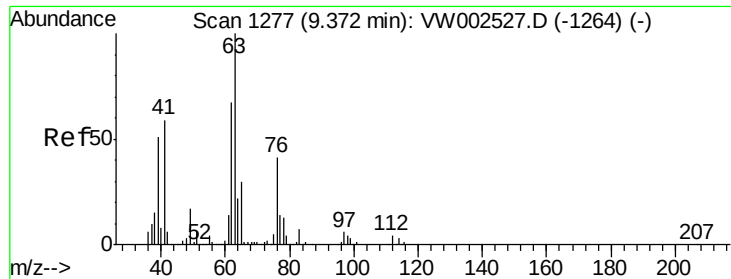
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	130	Resp:	378425
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	194.6





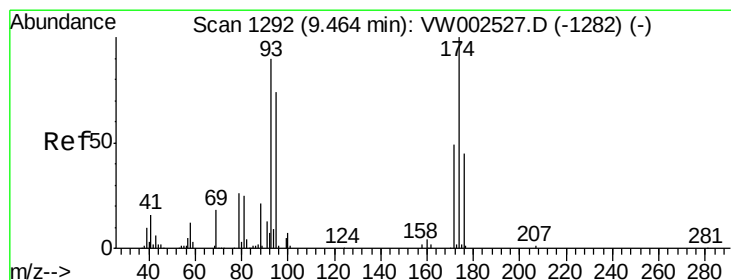
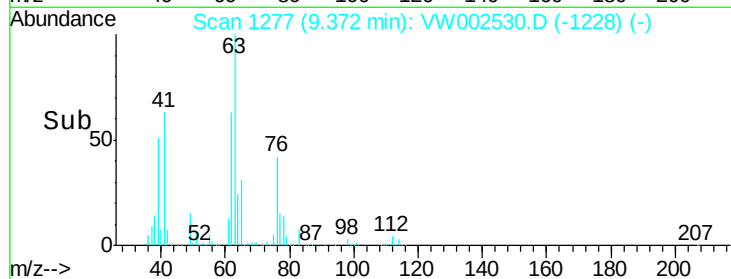
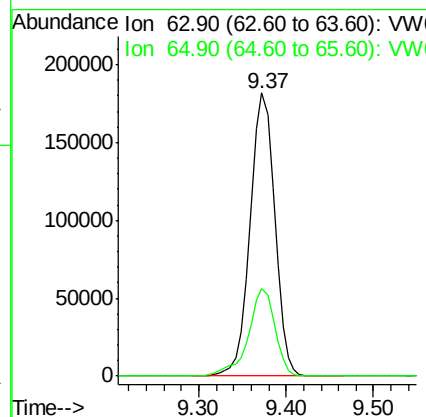
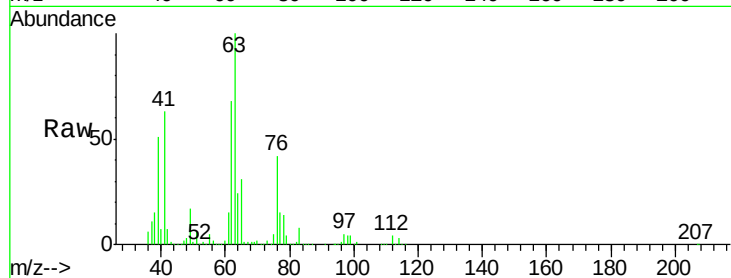
#45
 1,2-Dichloropropane
 Concen: 144.97 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.4	36.6

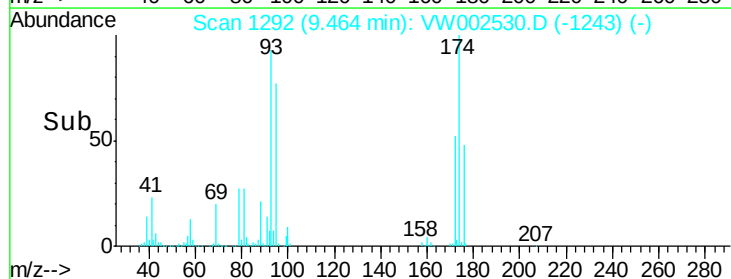
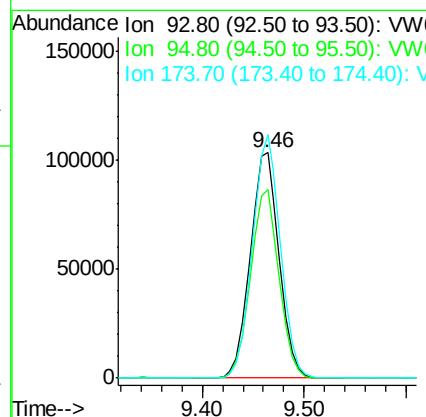
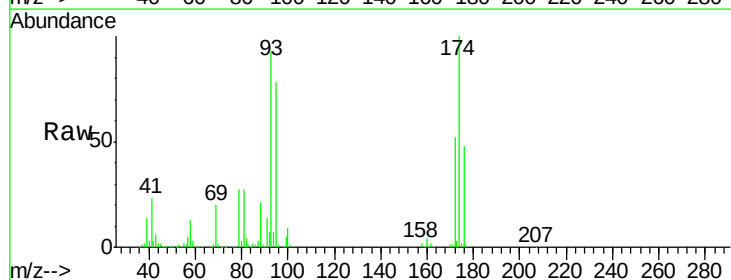
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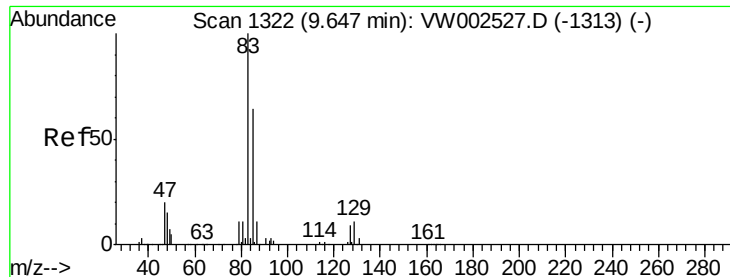
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#46
 Dibromomethane
 Concen: 146.71 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	100.0
174	105.2	84.0	126.0





#47

Bromodichloromethane

Concen: 151.23 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

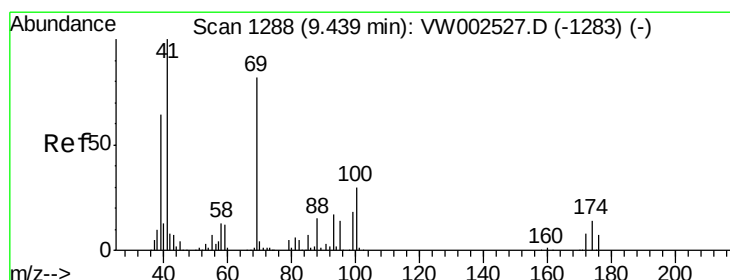
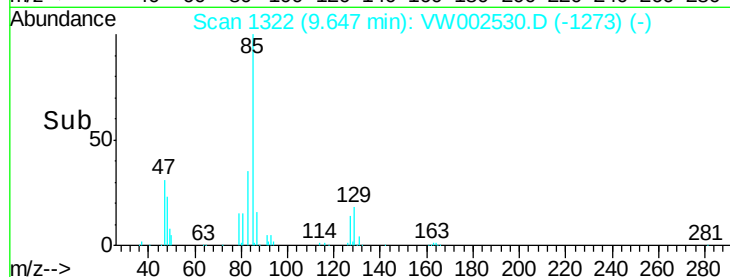
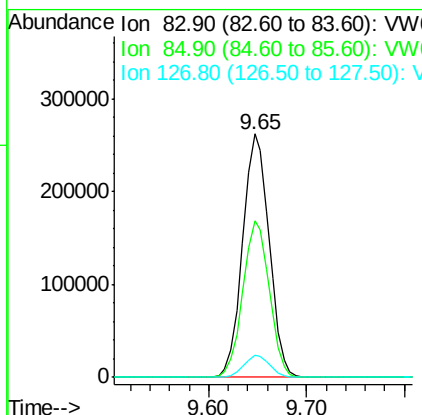
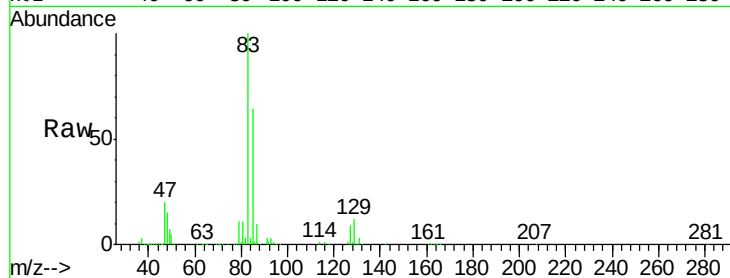
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	492486
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.4	77.2
127	8.9	7.0	10.4

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#48

Methyl methacrylate

Concen: 159.86 ug/l

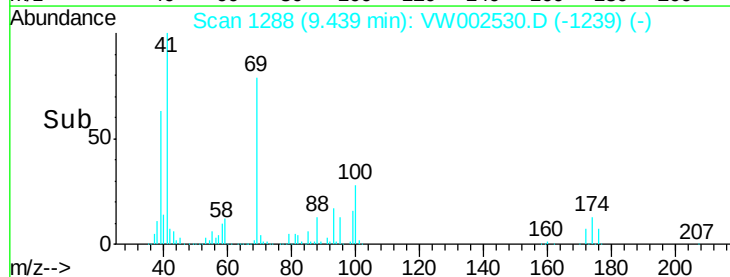
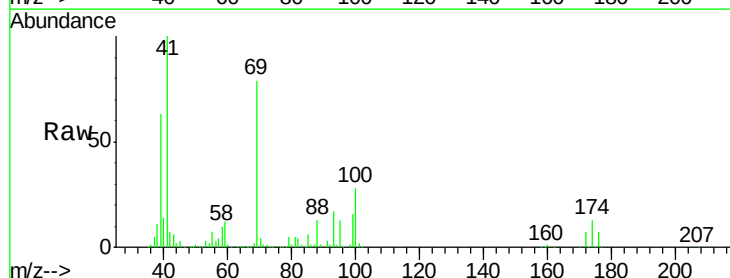
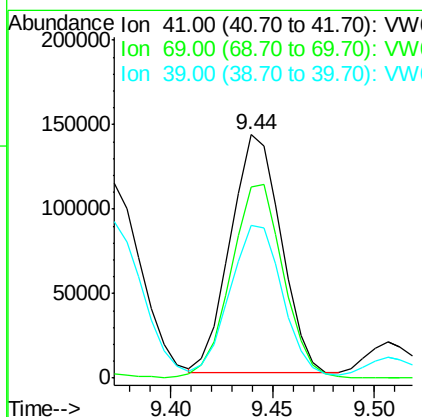
RT: 9.44 min Scan# 1288

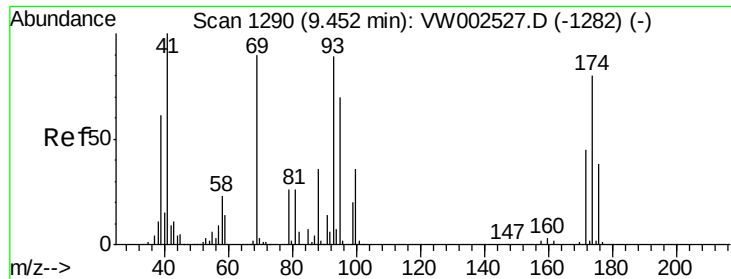
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	41	Resp:	243436
Ion Ratio	Lower	Upper	
41	100		
69	84.3	69.7	104.5
39	67.3	55.0	82.4





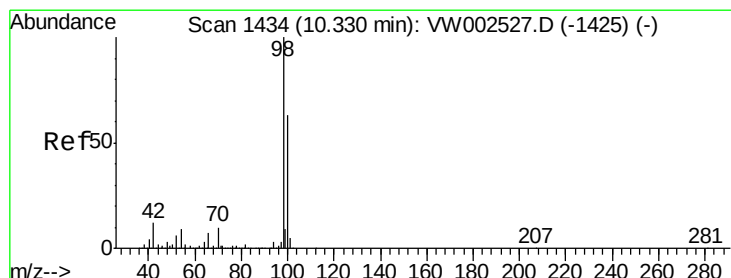
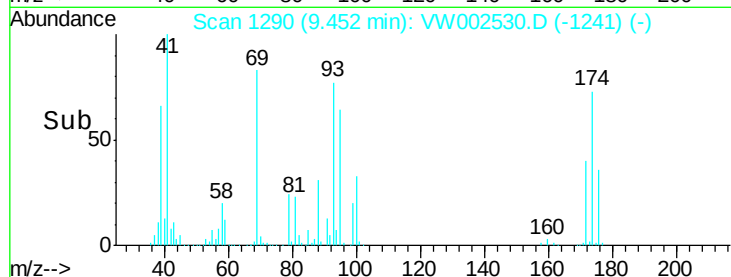
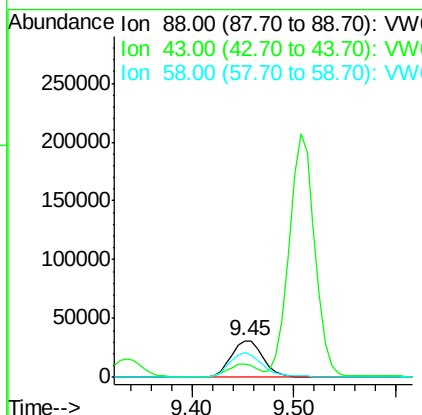
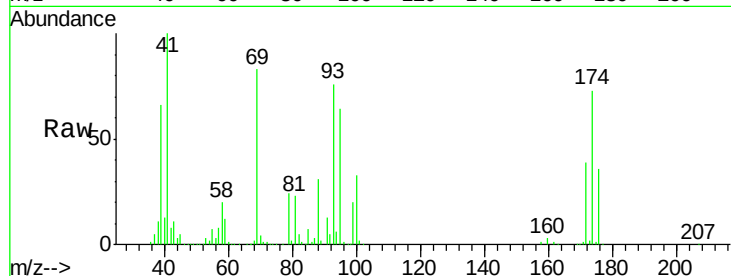
#49
1,4-Dioxane
Concen: 3044.83 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	88	Resp	67937
Ion	Ratio	Lower	Upper
88	100		
43	32.7	27.0	40.4
58	69.7	56.9	85.3

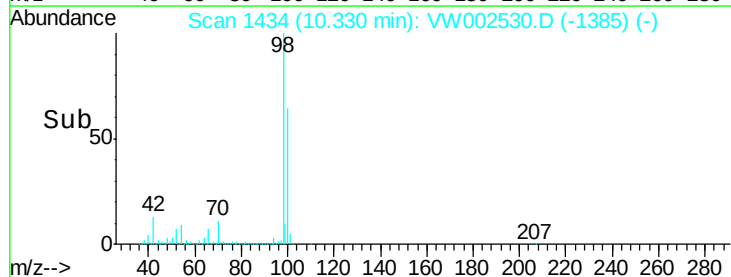
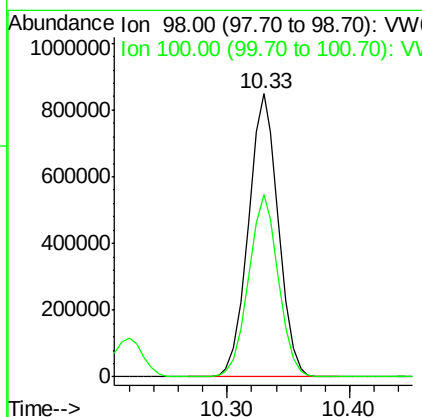
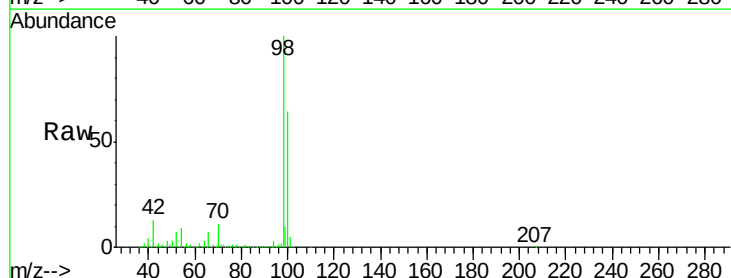
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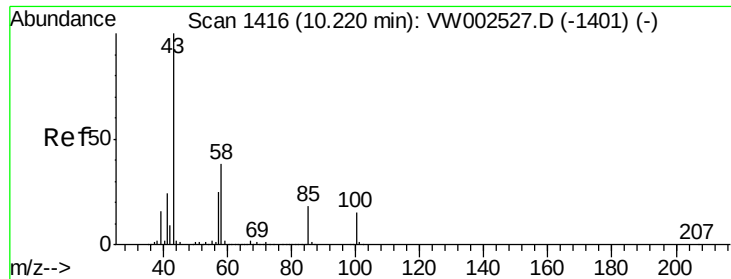
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#50
Toluene-d8
Concen: 158.65 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	98	Resp	1441478
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 777.96 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1353817

Ion Ratio Lower Upper

43 100

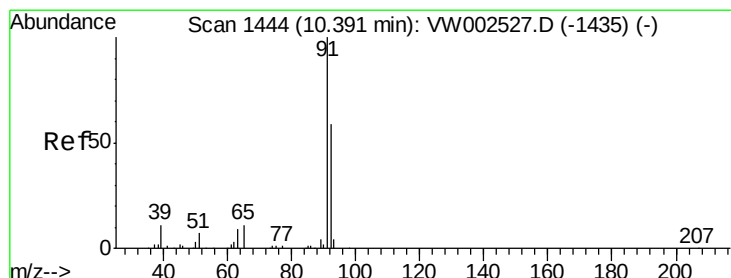
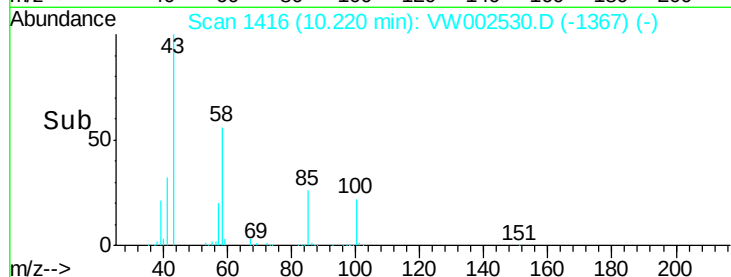
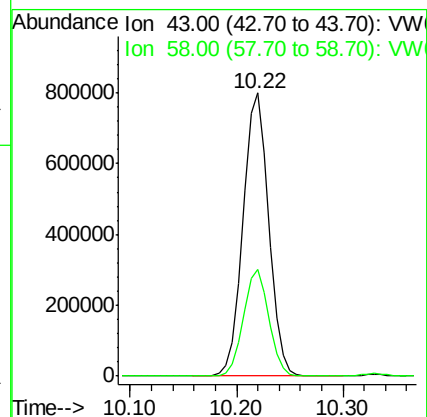
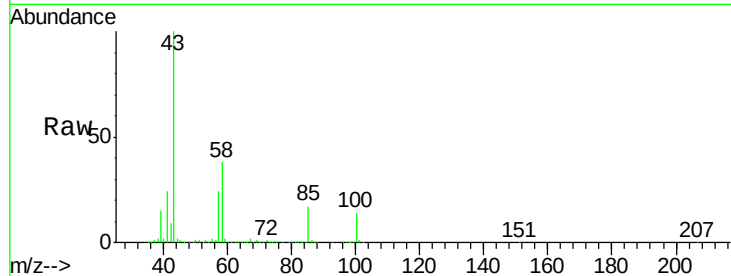
58 37.4 30.1 45.1

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#52

Toluene

Concen: 147.15 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW002530.D

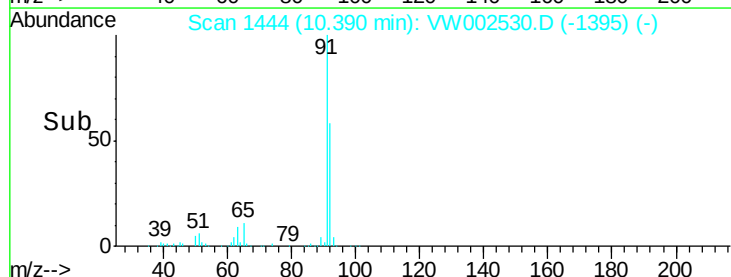
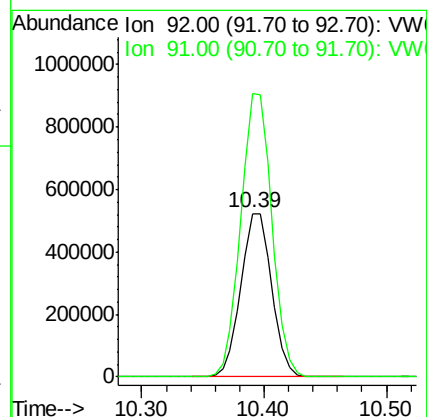
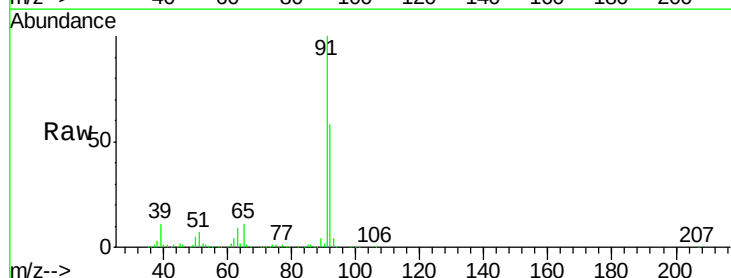
Acq: 14 May 2018 23:21

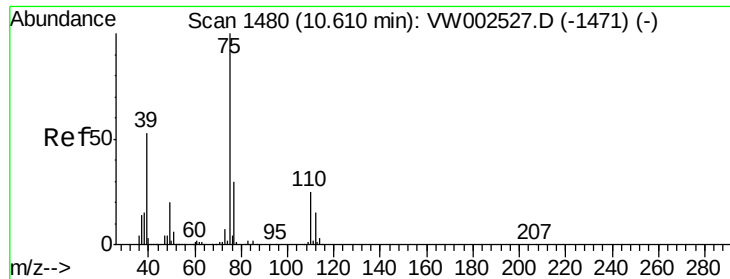
Tgt Ion: 92 Resp: 915285

Ion Ratio Lower Upper

92 100

91 174.8 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 158.64 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 512042

Ion Ratio Lower Upper

75 100

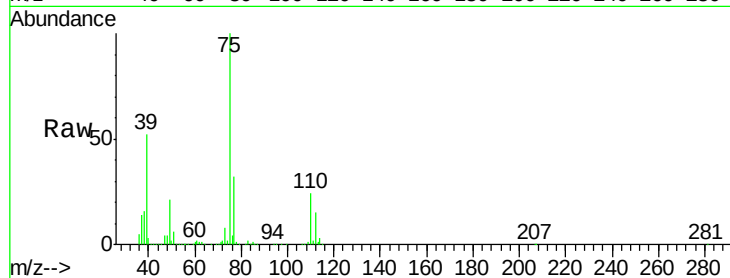
77 31.5 24.1 36.1

Manual Integrations

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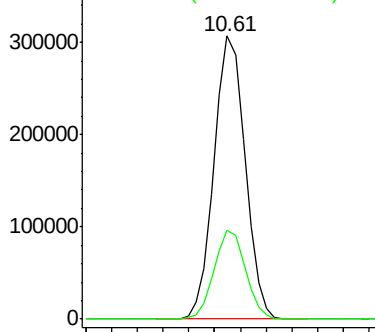
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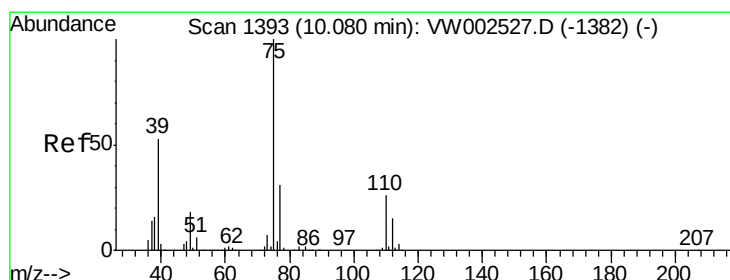
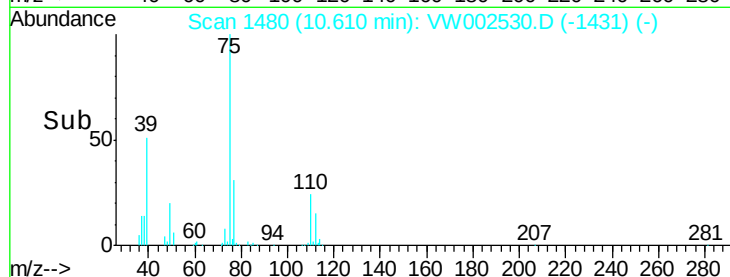


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 154.33 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

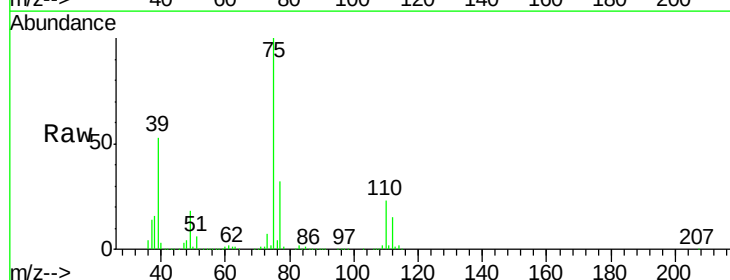
Tgt Ion: 75 Resp: 565866

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

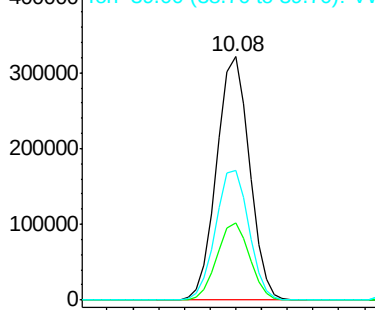
39 53.4 42.5 63.7



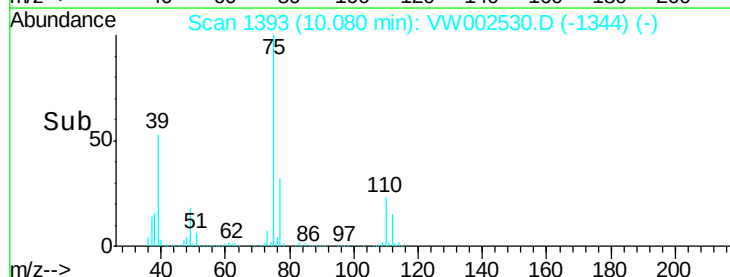
Abundance Ion 74.90 (74.60 to 75.60): VW

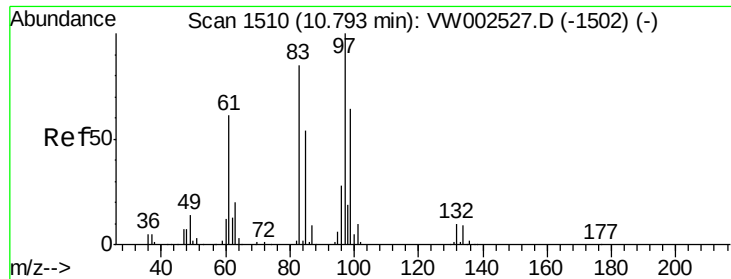
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 144.93 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

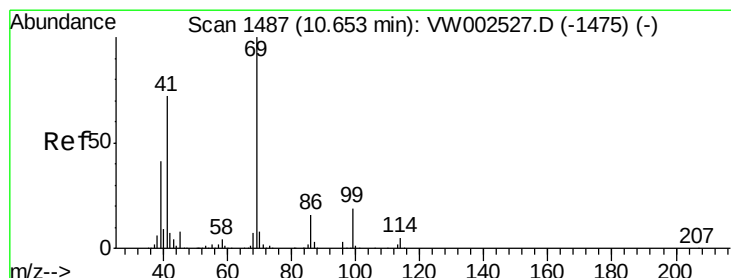
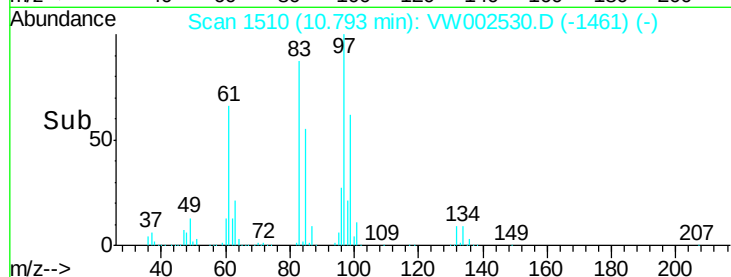
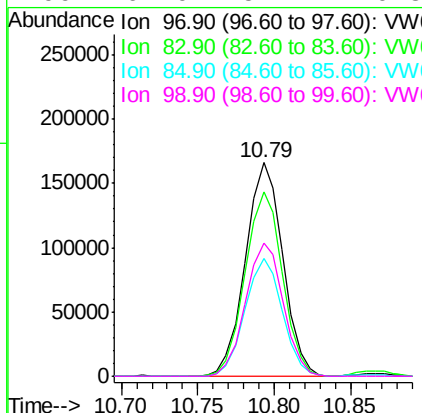
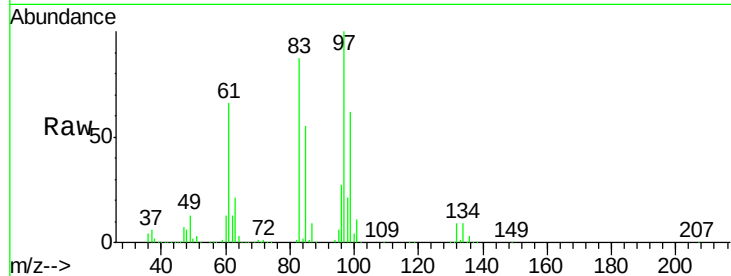
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		282493		
83	86.4	68.1	102.1		
85	55.2	43.6	65.4		
99	62.0	51.2	76.8		

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#56

Ethyl methacrylate

Concen: 160.86 ug/l

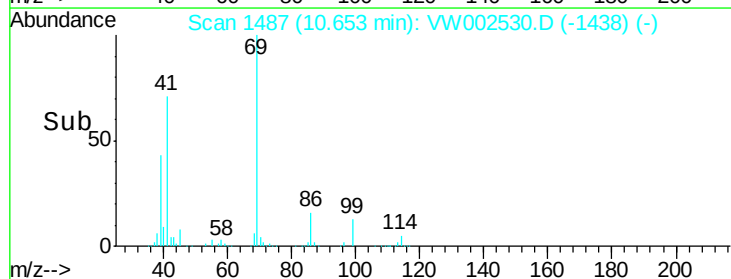
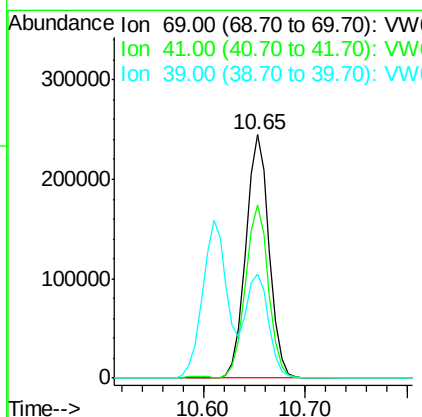
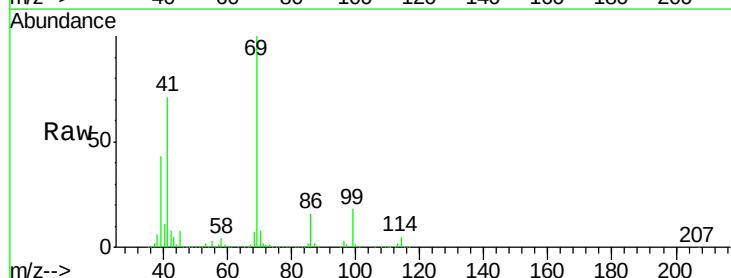
RT: 10.65 min Scan# 1487

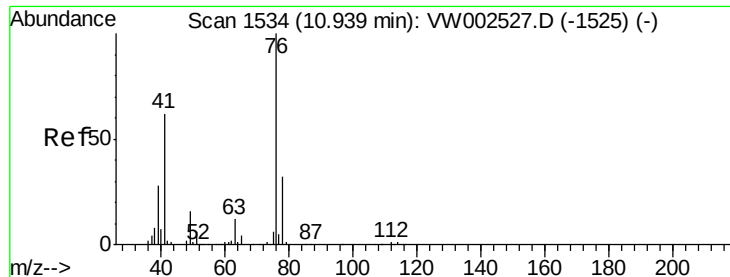
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		388159		
41	70.3	55.3	82.9		
39	41.0	33.0	49.6		





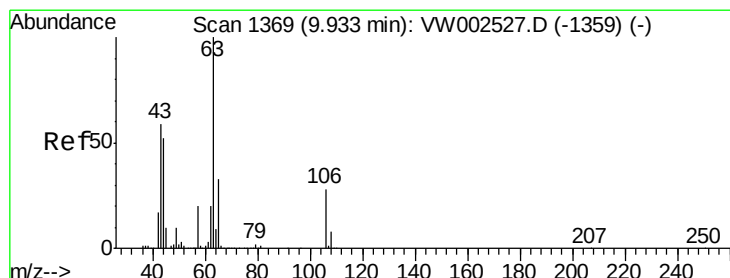
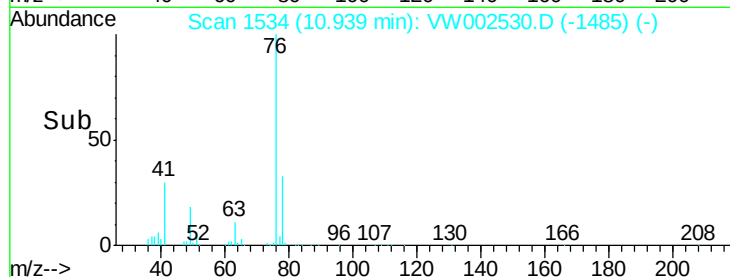
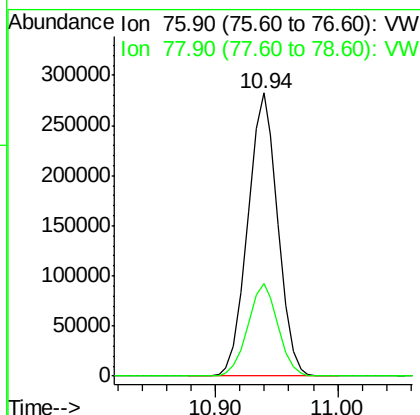
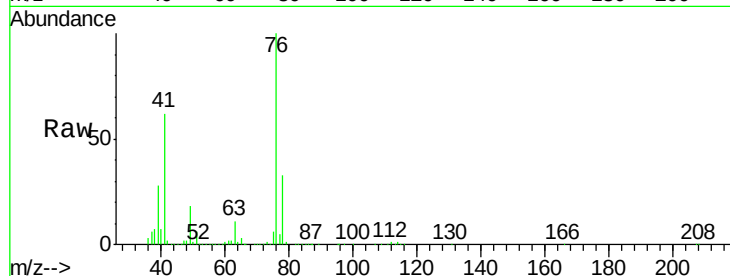
#57
 1,3-Dichloropropane
 Concen: 145.21 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.6	38.4

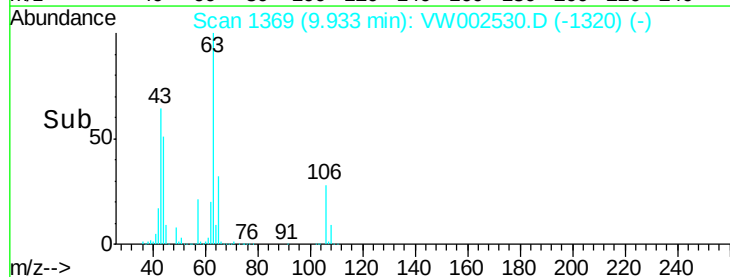
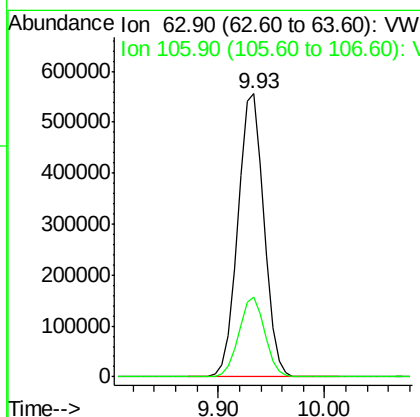
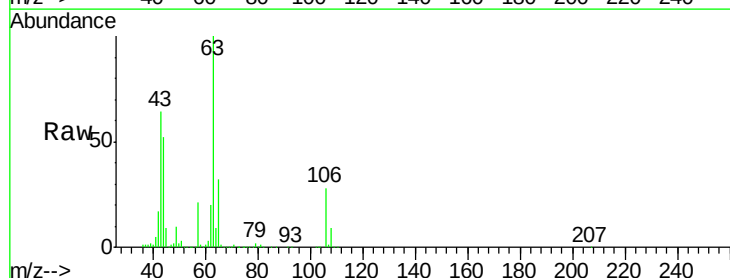
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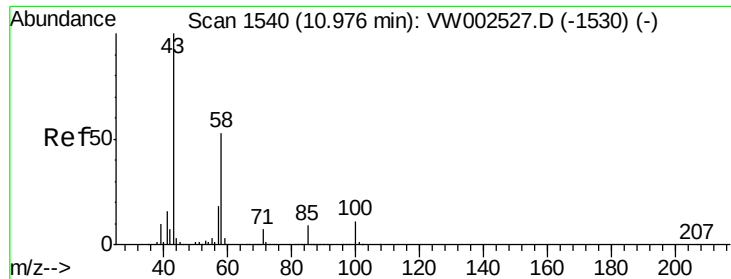
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#58
 2-Chloroethyl Vinyl ether
 Concen: 814.69 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.9	34.3





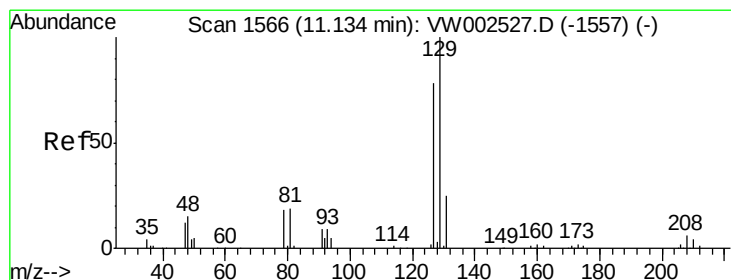
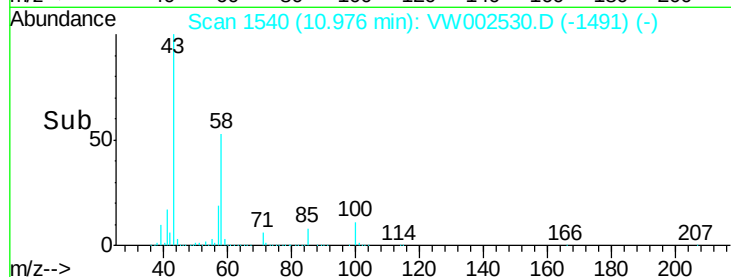
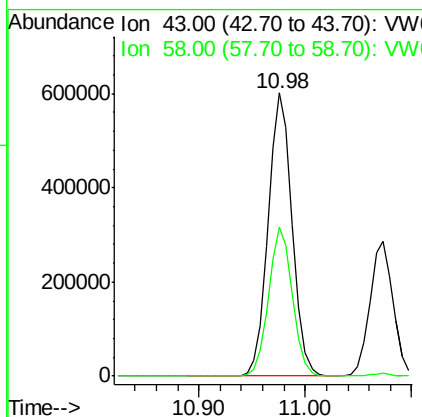
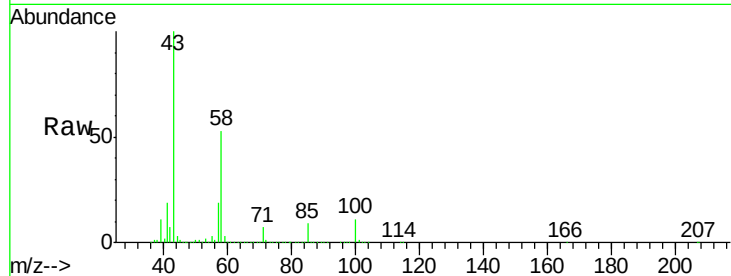
#59
2-Hexanone
Concen: 791.03 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 943214
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.8

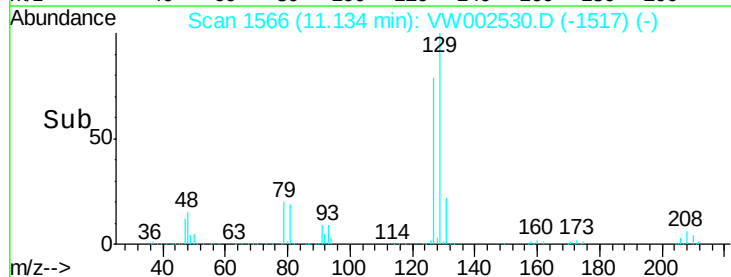
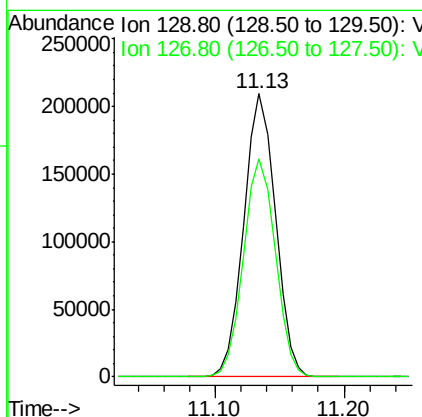
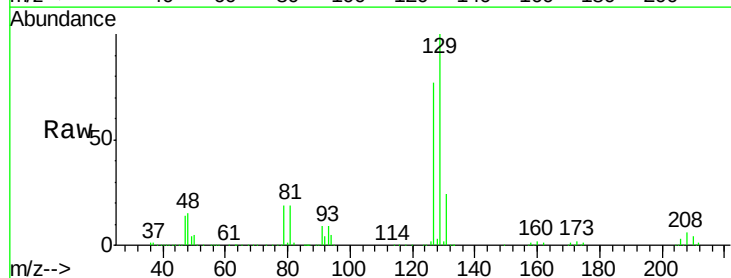
Manual Integrations
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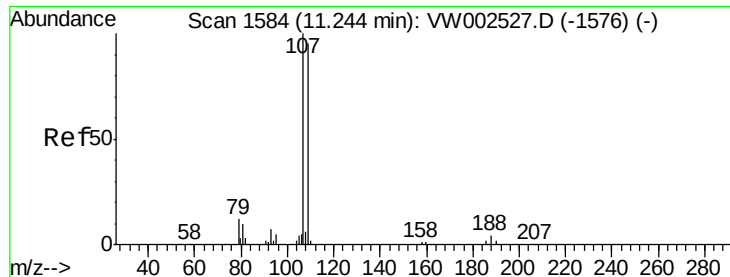
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#60
Dibromochloromethane
Concen: 154.30 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 129 Resp: 355374
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





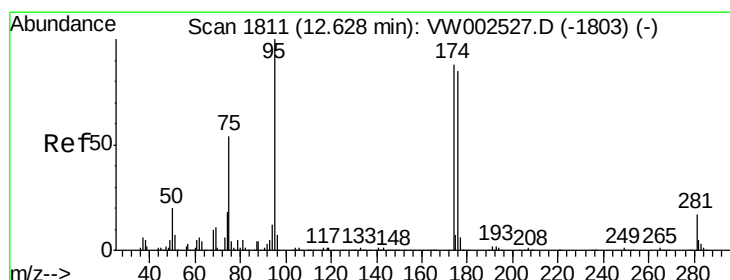
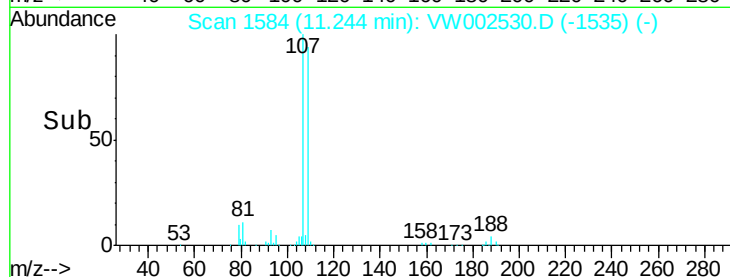
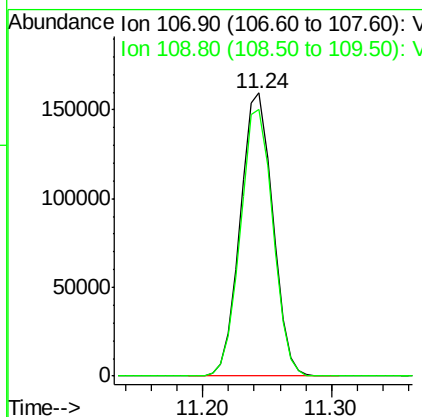
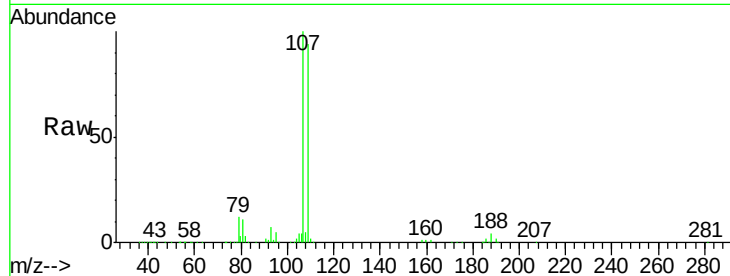
#61
 1,2-Dibromoethane
 Concen: 146.29 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	277784		
109	94.6	75.4	113.2	

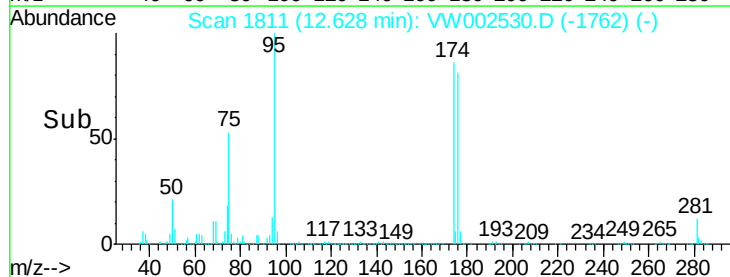
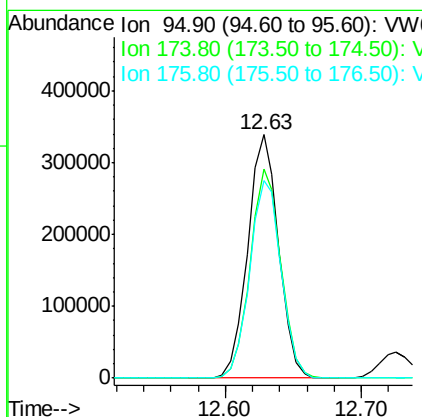
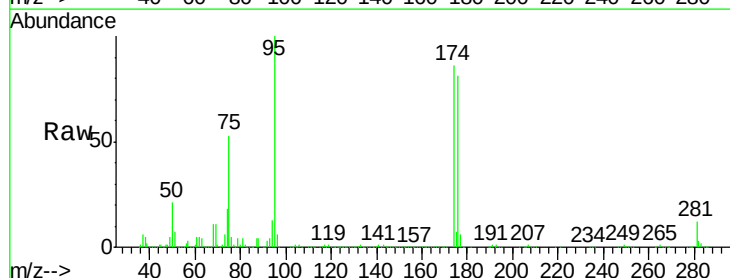
Manual Integrations
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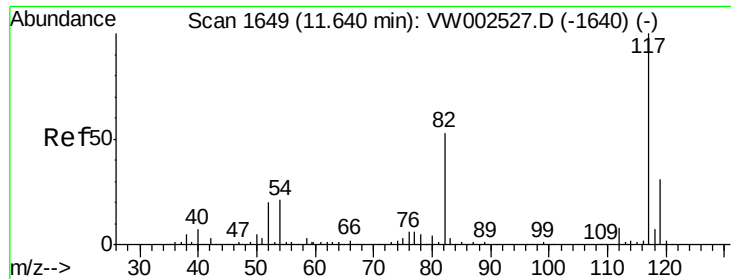
apatel
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#62
 4-Bromofluorobenzene
 Concen: 163.40 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	536851		
174	85.7	0.0	176.6	
176	82.9	0.0	172.2	





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

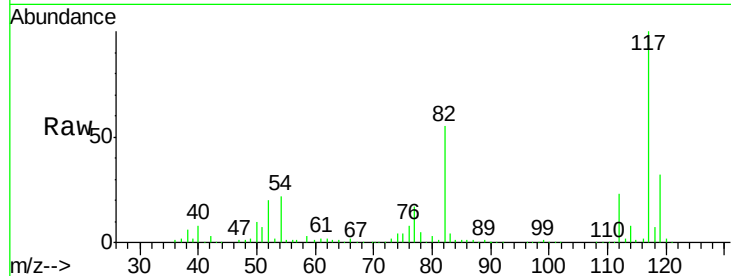
ClientSampled :

VSTDIC150

Tot Ion:	117	Resp:	351731
Ion Ratio	Lower	Upper	
117	100		
82	54.5	42.6	64.0
119	32.4	25.0	37.6

Manual Integrations
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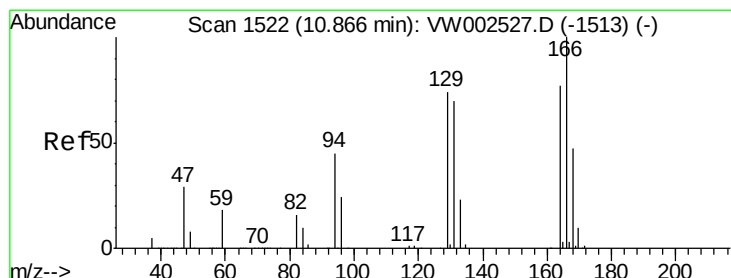
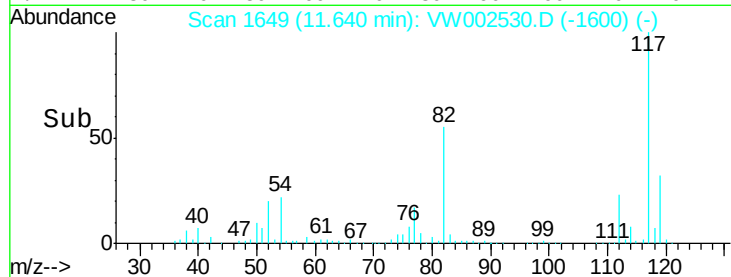
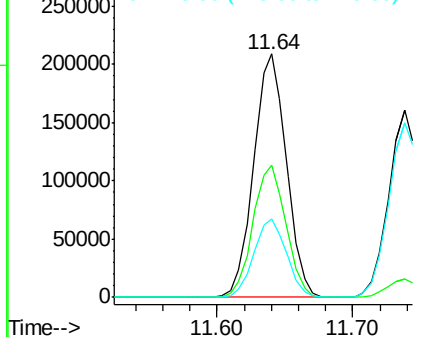


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 135.89 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	164	Resp:	362836
Ion Ratio	Lower	Upper	
164	100		
166	126.7	104.2	156.2
129	94.4	77.0	115.4
131	90.6	73.1	109.7

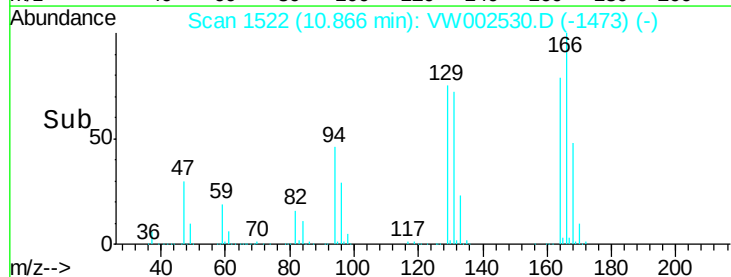
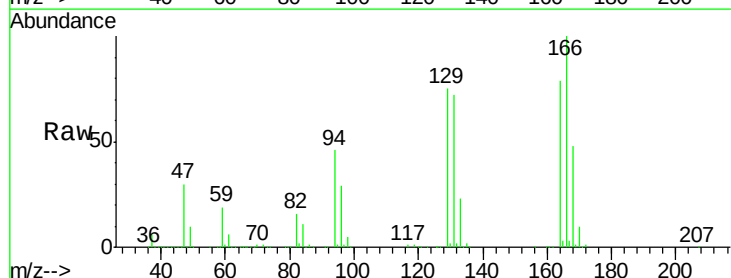
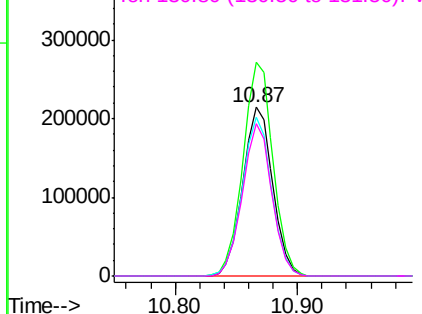
Abundance

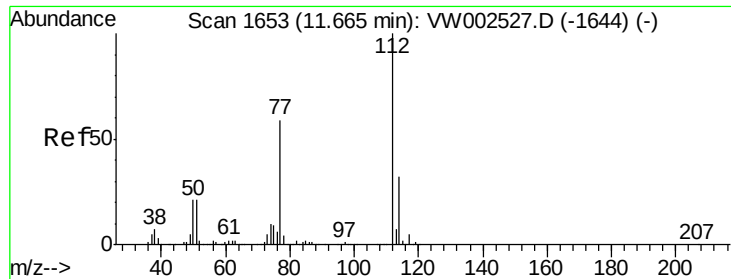
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





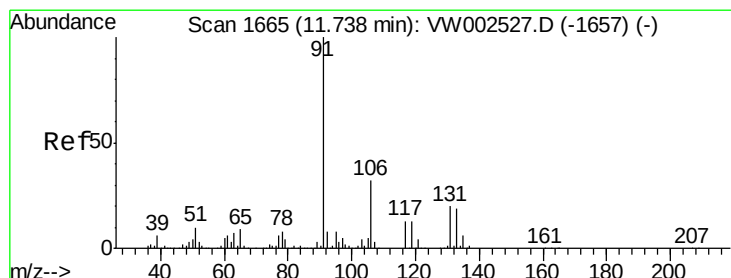
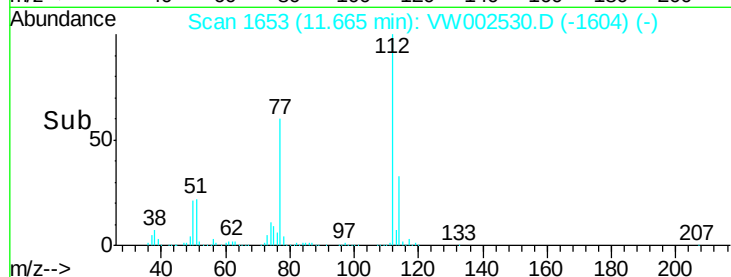
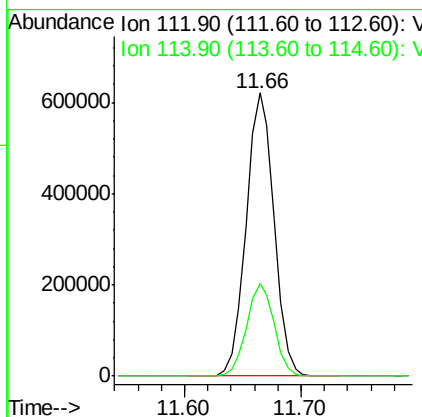
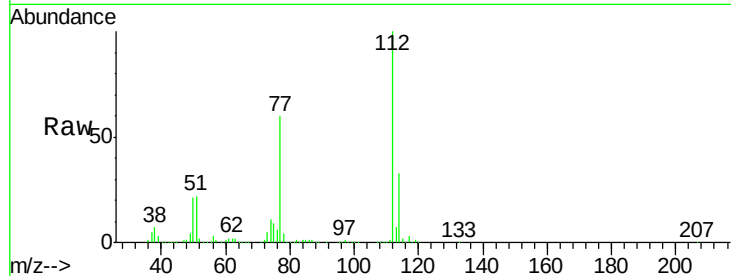
#65
Chlorobenzene
Concen: 143.93 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1028819
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

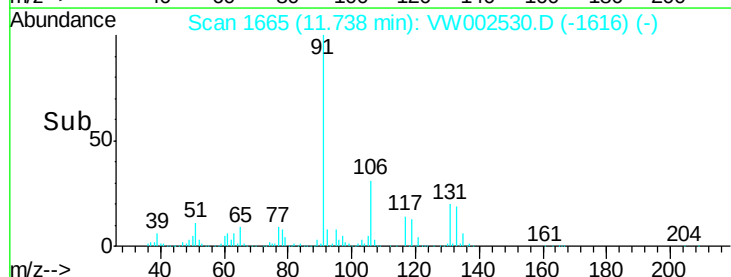
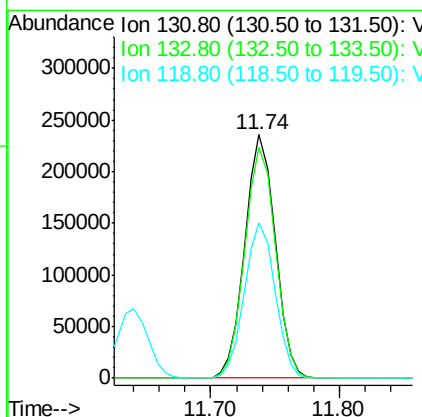
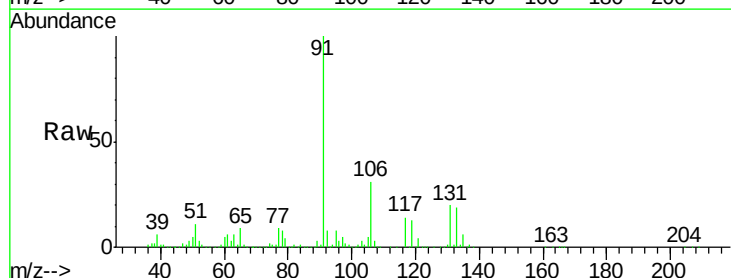
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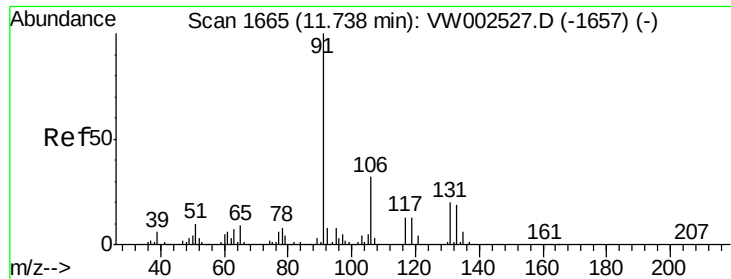
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#66
1,1,1,2-Tetrachloroethane
Concen: 150.93 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion:131 Resp: 385490
Ion Ratio Lower Upper
131 100
133 95.8 48.4 145.3
119 64.1 32.2 96.6





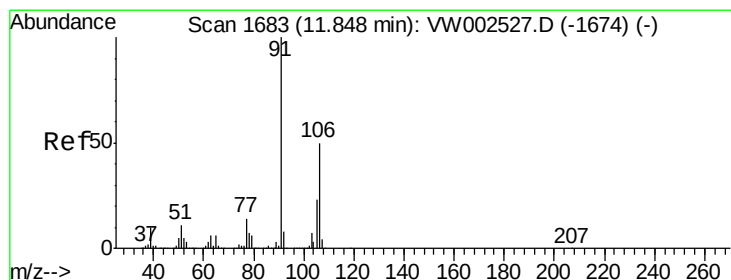
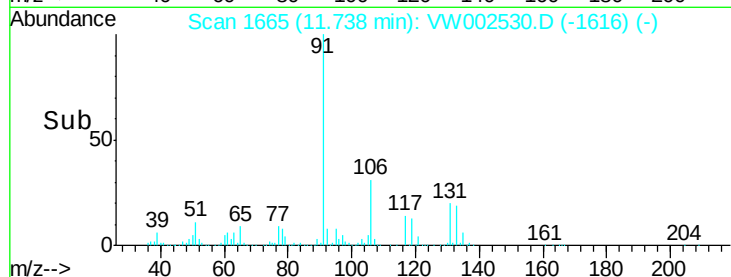
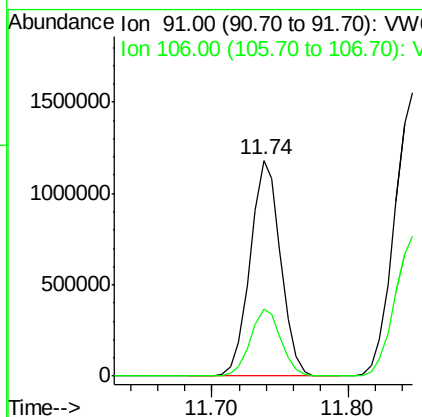
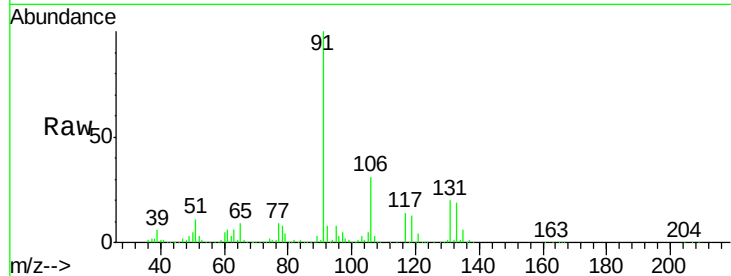
#67
Ethyl Benzene
Concen: 150.45 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1852535
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

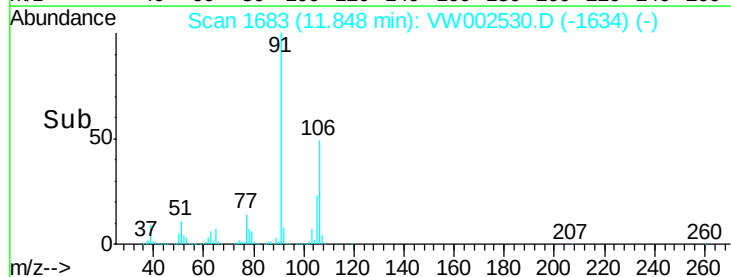
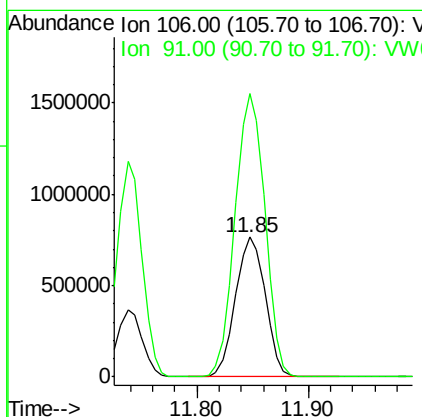
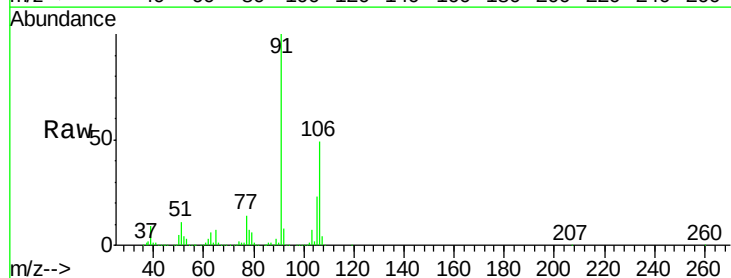
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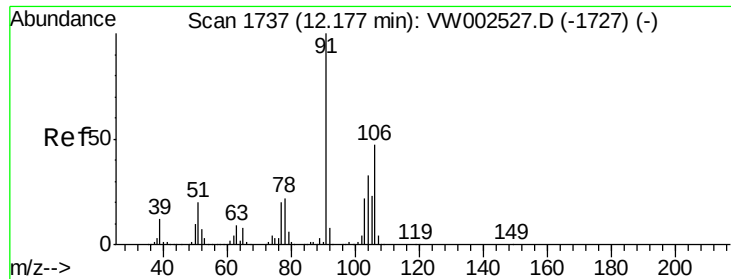
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#68
m/p-Xylenes
Concen: 299.67 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion:106 Resp: 1422655
Ion Ratio Lower Upper
106 100
91 202.8 161.4 242.2





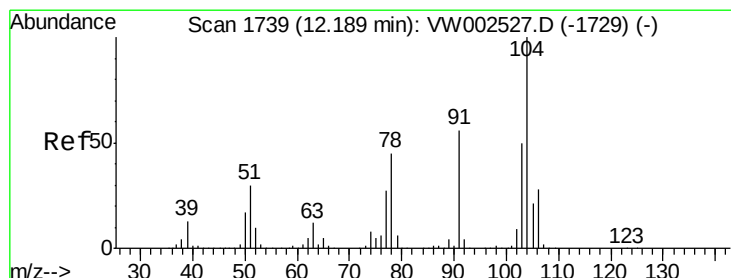
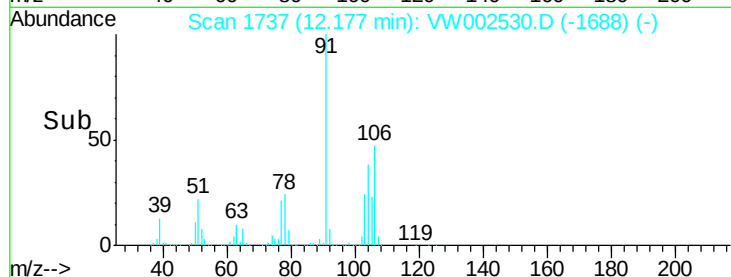
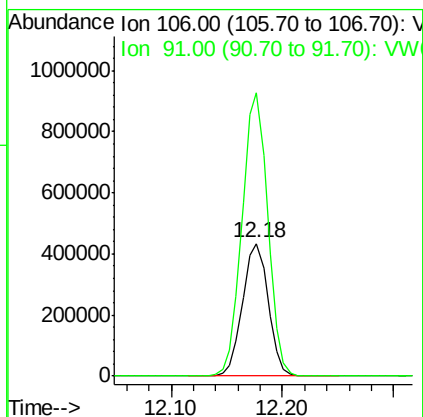
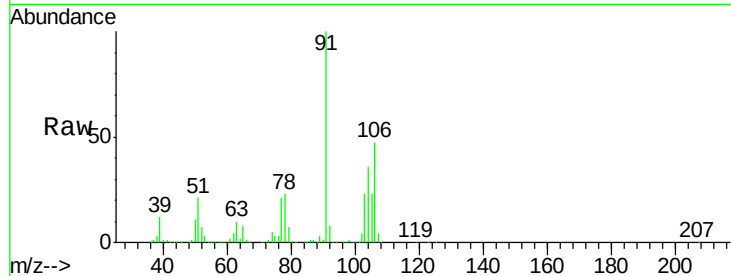
#69
o-Xylene
Concen: 154.04 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		695839		
91	213.6	106.7	320.2		

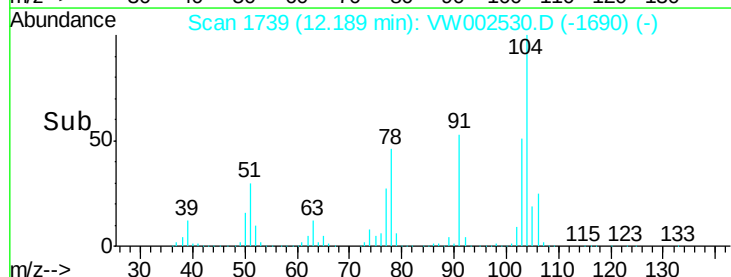
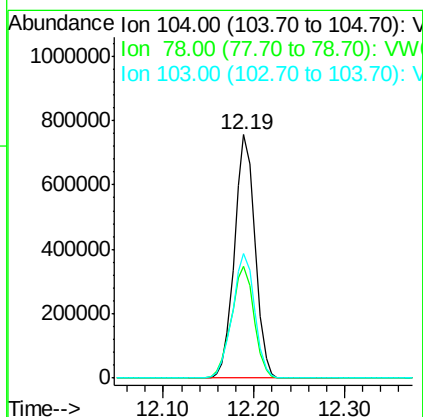
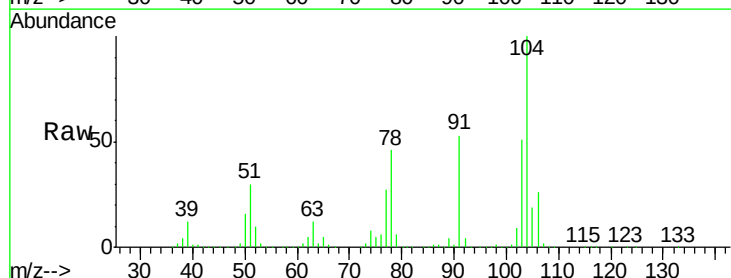
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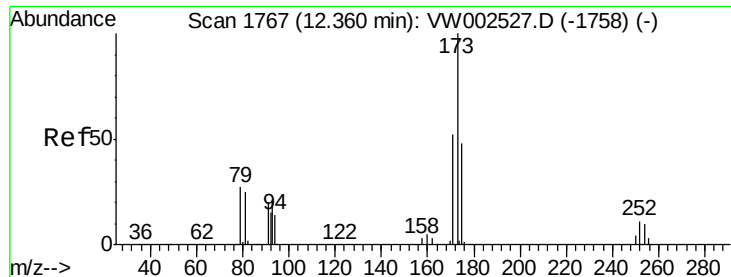
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#70
Styrene
Concen: 158.90 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.5	40.1	60.1	
103	55.4	44.6	66.8	





#71

Bromoform

Concen: 159.79 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

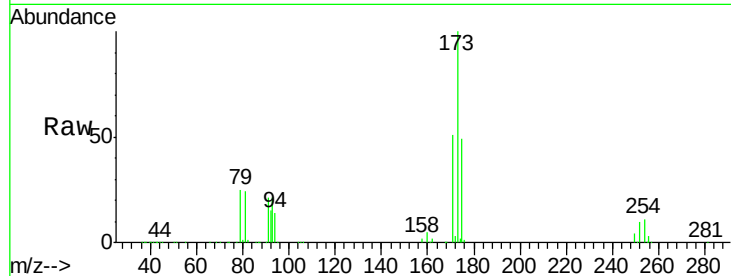
ClientSampleId :

VSTDIC150

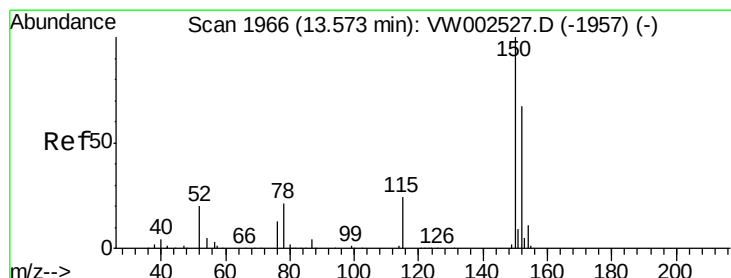
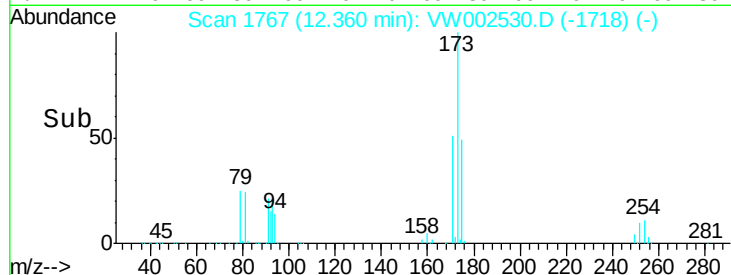
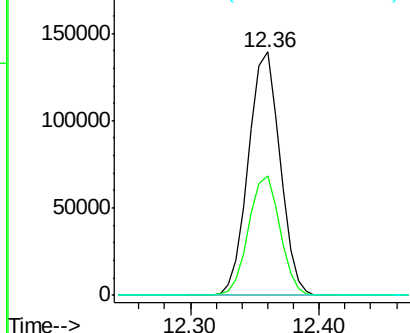
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.5	73.5
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

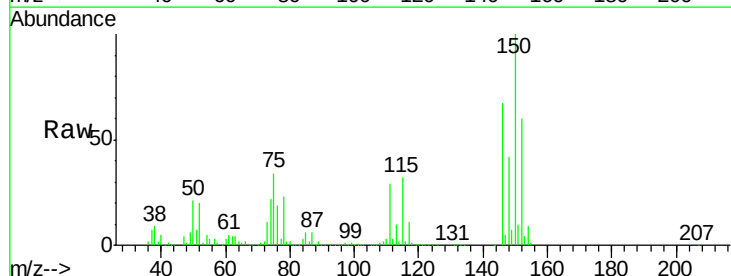
RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

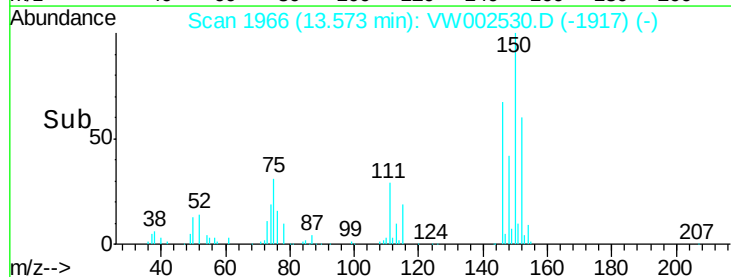
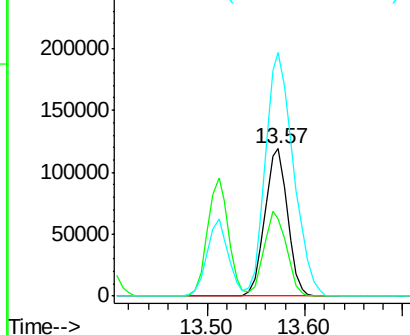
Lab File: VW002530.D

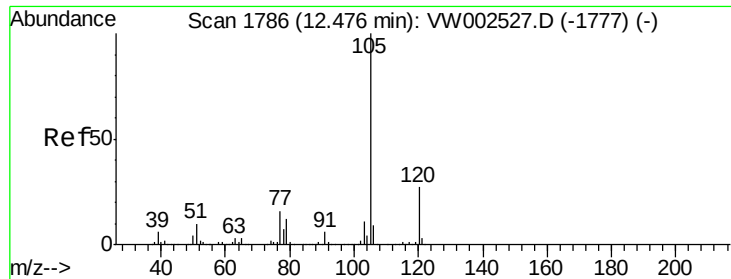
Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.0	84.0
150	204.7	0.0	345.4



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





#73

Isopropylbenzene

Concen: 153.68 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1898891

Ion Ratio Lower Upper

105 100

120 26.6

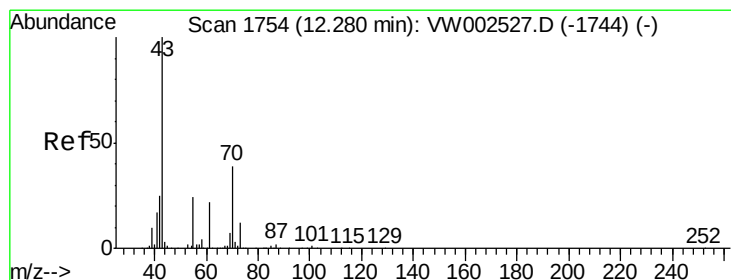
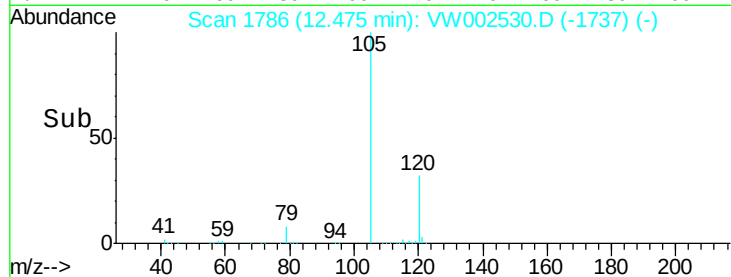
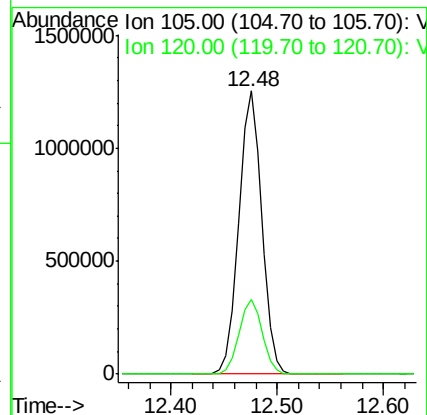
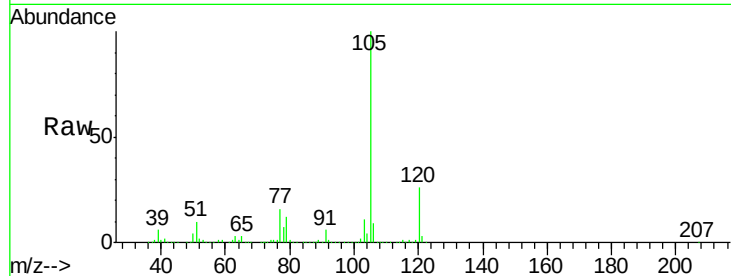
13.4 40.2

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#74

N-ethyl acetate

Concen: 163.97 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion: 43 Resp: 511322

Ion Ratio Lower Upper

43 100

70 39.3

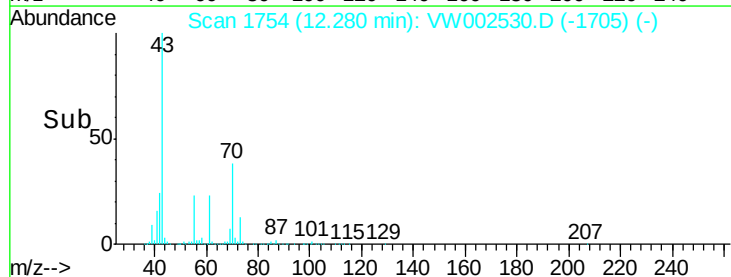
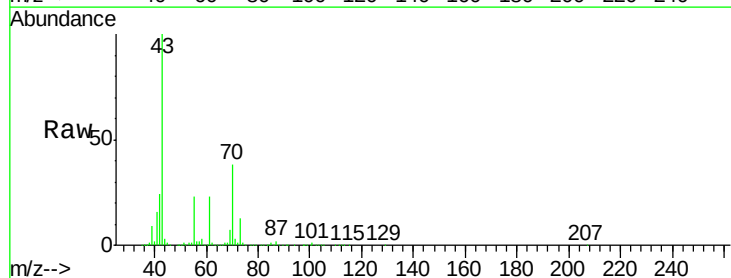
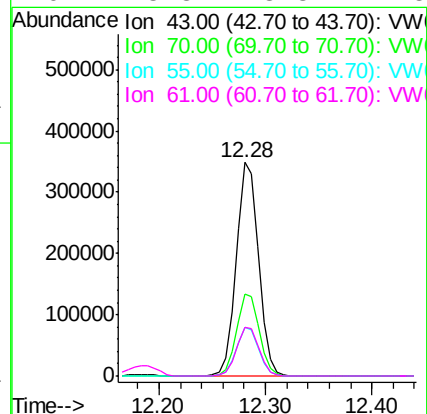
55 23.3

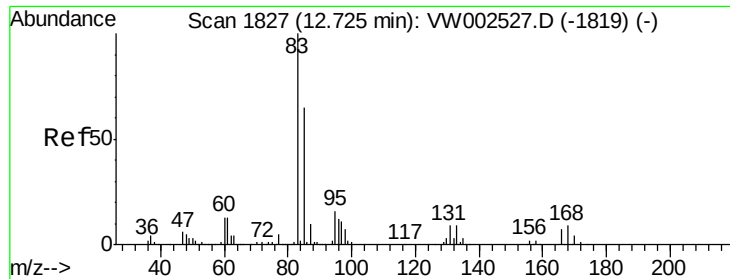
61 23.3

31.9 47.9

19.4 29.0

18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 146.36 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

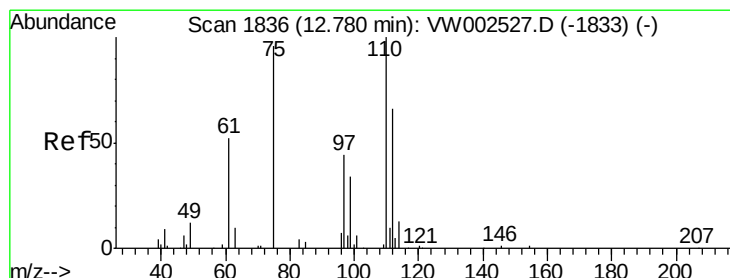
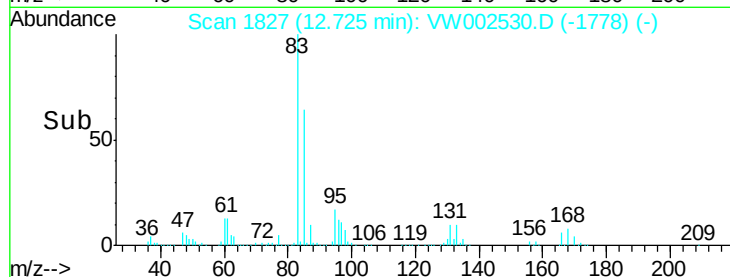
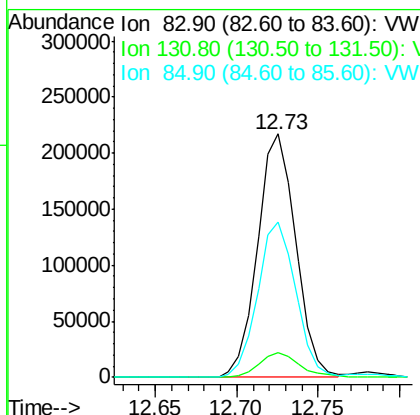
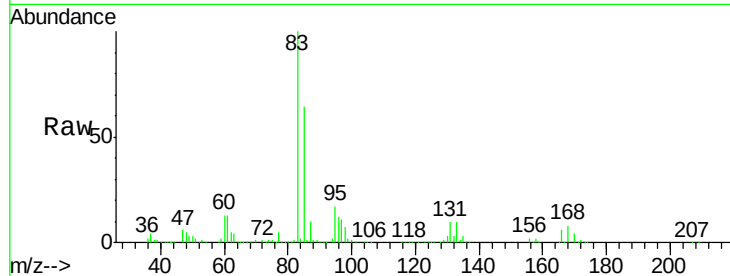
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	353432
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	63.9	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 155.51 ug/l m

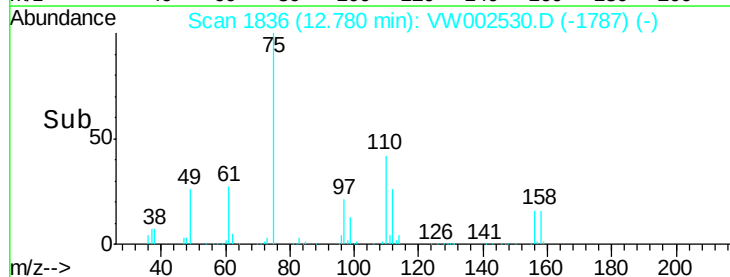
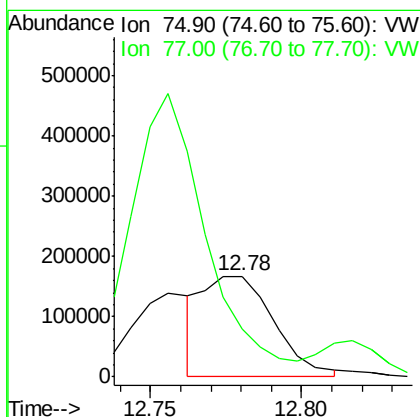
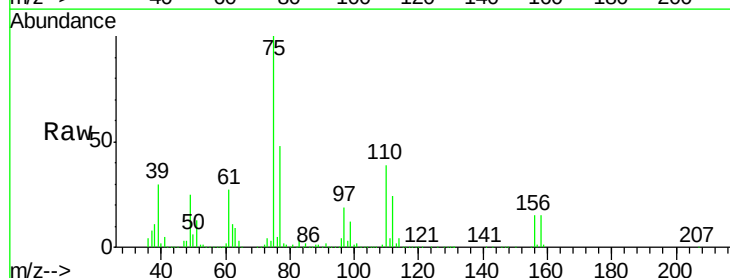
RT: 12.78 min Scan# 1836

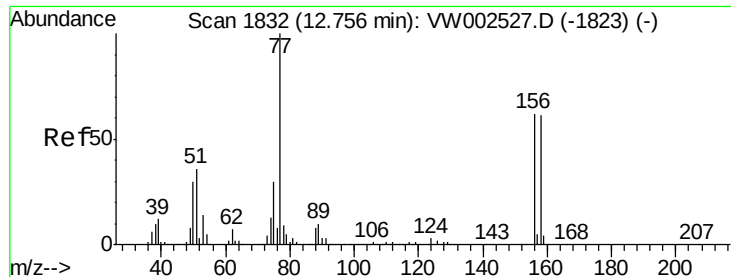
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	75	Resp:	274381
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 147.16 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

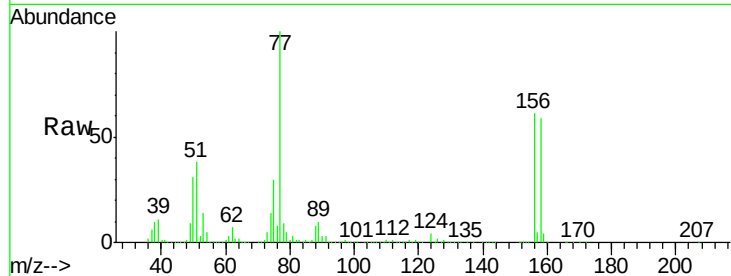
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	458856
Ion Ratio	Lower	Upper	
156	100		
77	180.0	89.8	269.4
158	96.0	48.8	146.3

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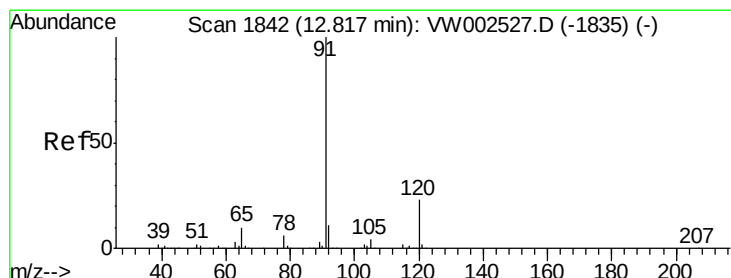
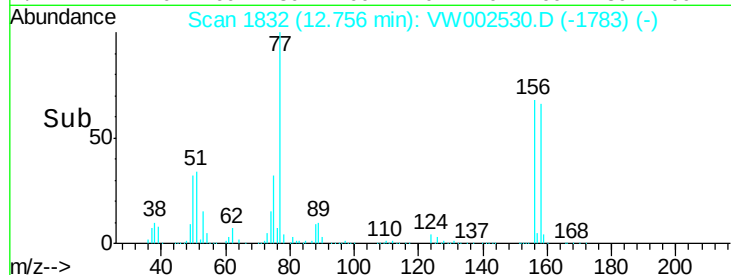
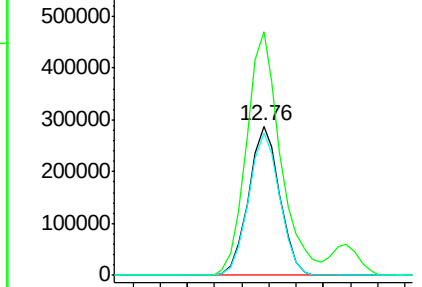
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 153.59 ug/l

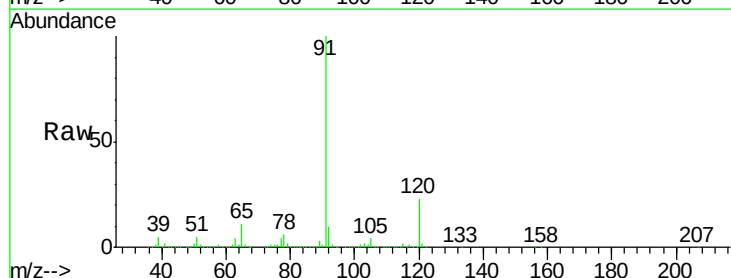
RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002530.D

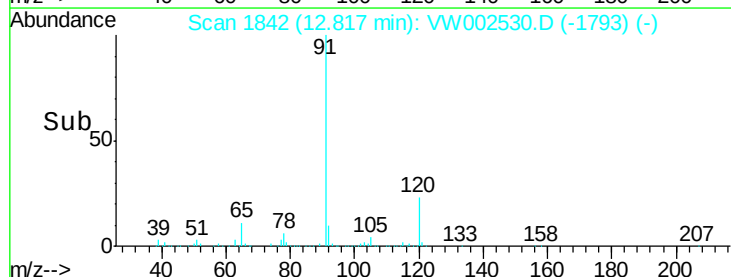
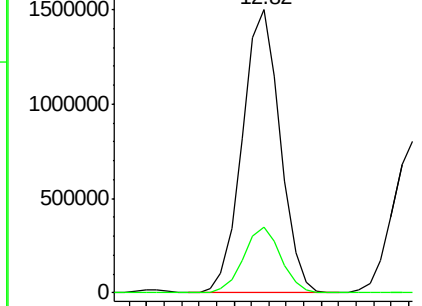
Acq: 14 May 2018 23:21

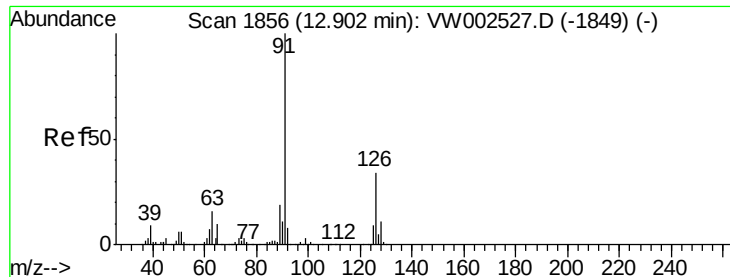
Tgt Ion:	91	Resp:	2250015
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 151.41 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1274896

Ion Ratio Lower Upper

91 100

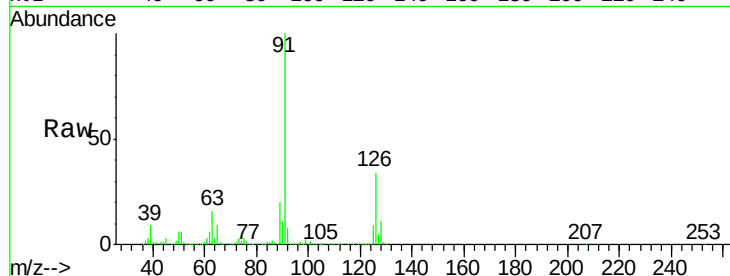
126 34.4 17.6 52.8

Manual Integrations

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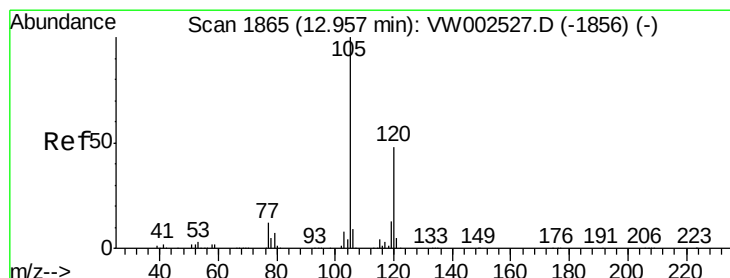
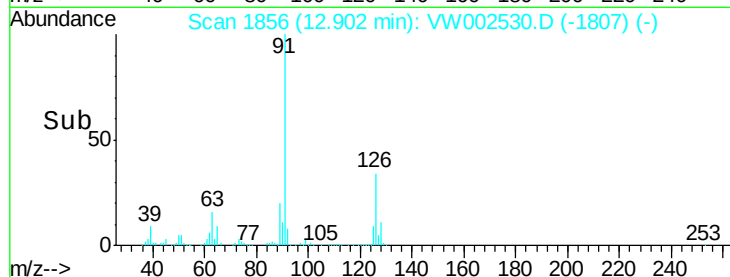
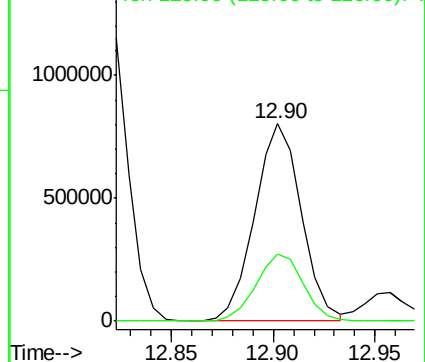
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 152.73 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002530.D

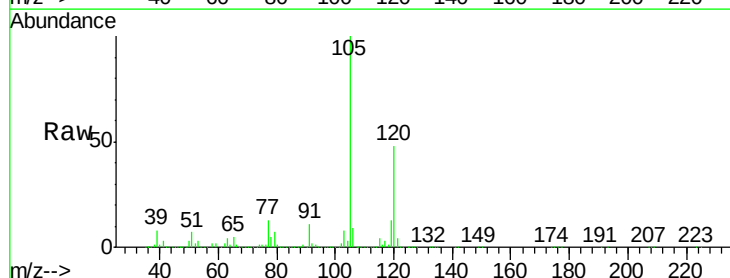
Acq: 14 May 2018 23:21

Tgt Ion:105 Resp: 1588622

Ion Ratio Lower Upper

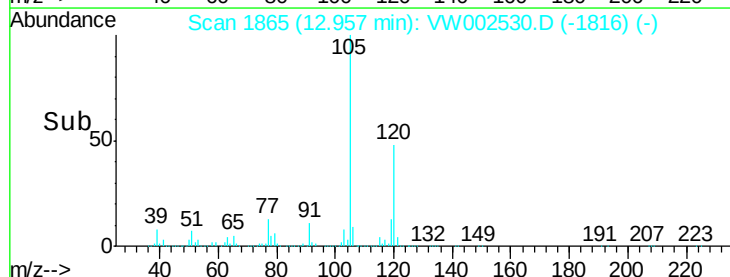
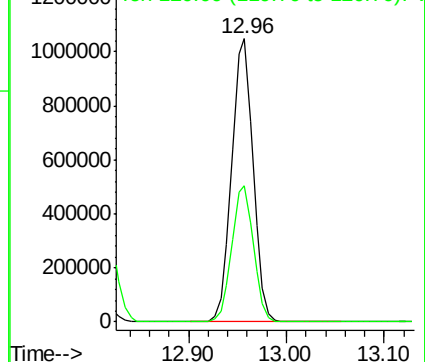
105 100

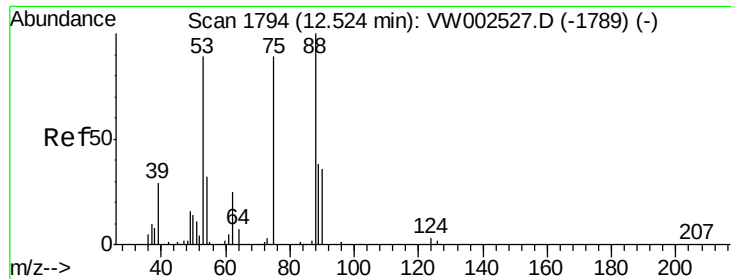
120 48.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 171.45 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

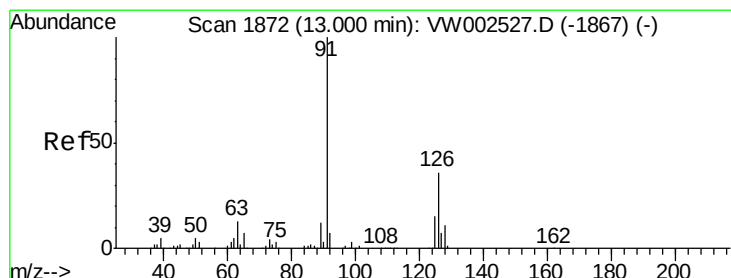
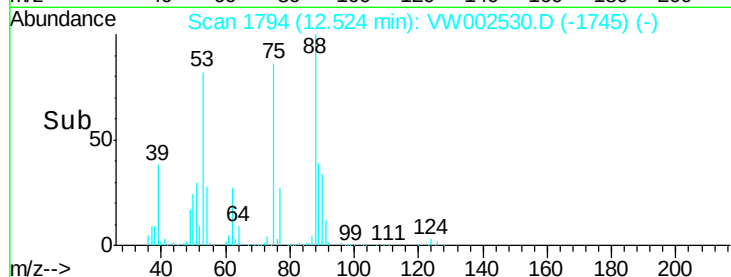
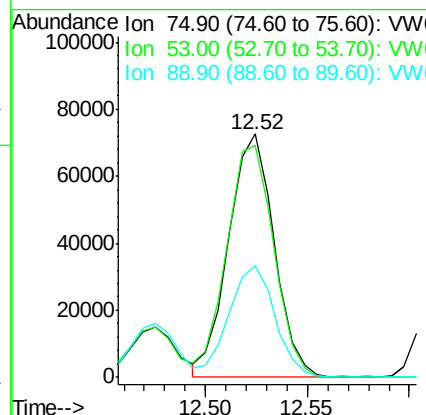
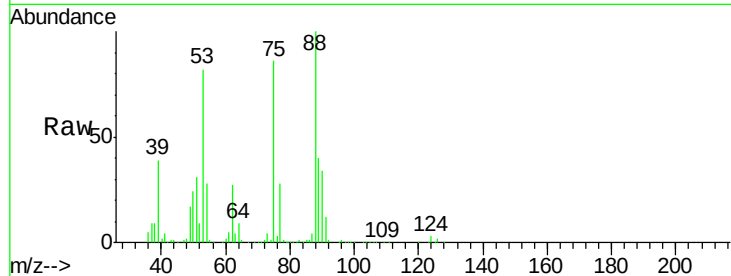
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	111321
Ion Ratio	Lower	Upper	
75	100		
53	99.9	82.6	124.0
89	47.0	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 152.77 ug/l

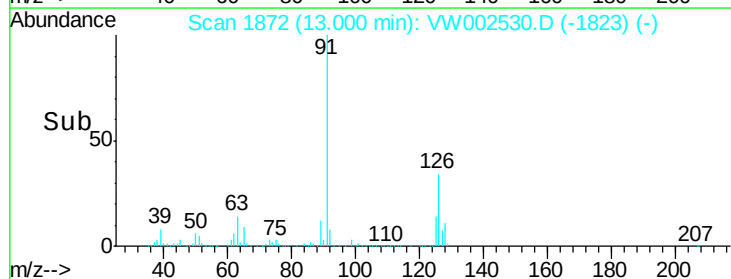
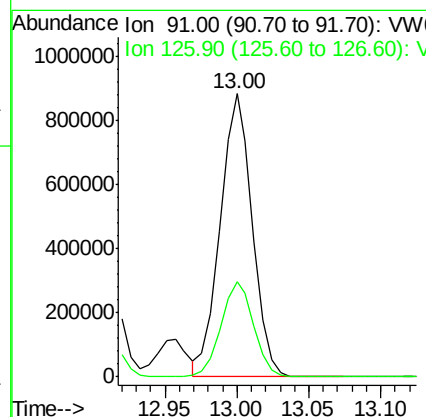
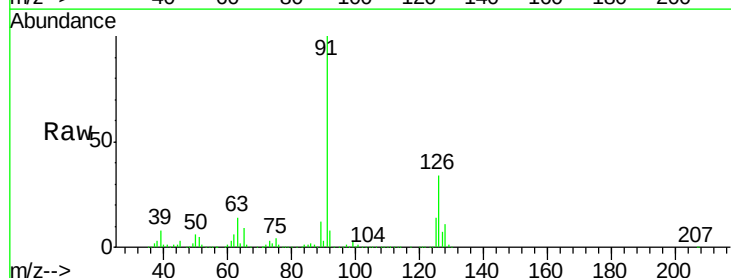
RT: 13.00 min Scan# 1872

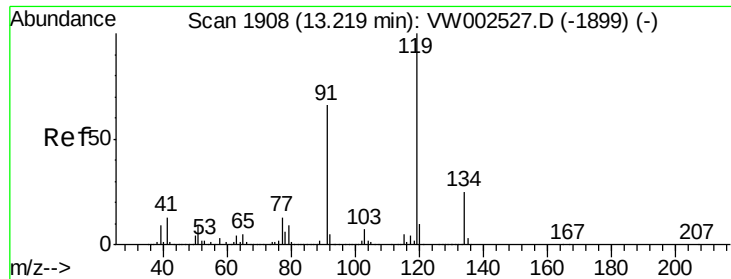
Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion:	91	Resp:	1370335
Ion Ratio	Lower	Upper	
91	100		
126	34.1	17.5	52.5





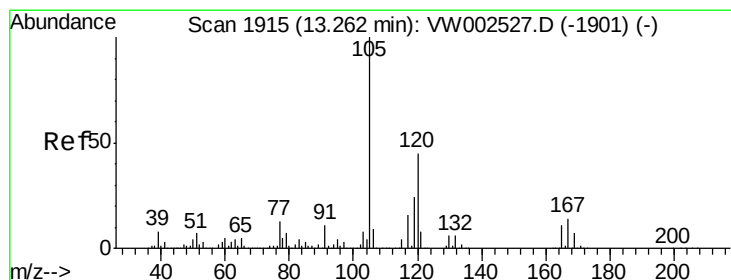
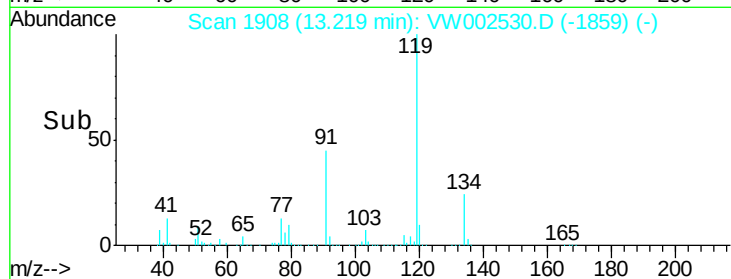
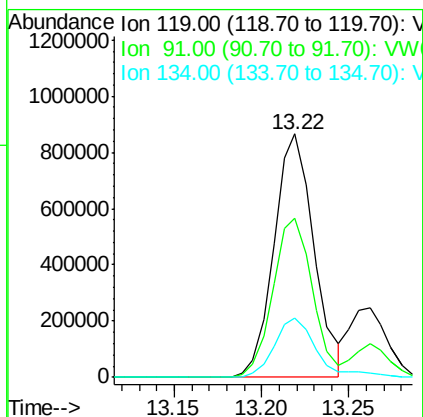
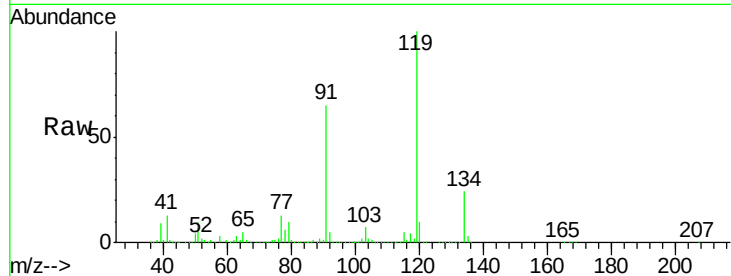
#83
 tert-Butylbenzene
 Concen: 154.69 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.5	97.5
134	25.7	13.2	39.6

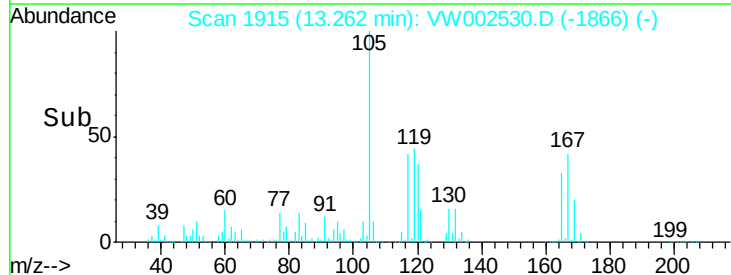
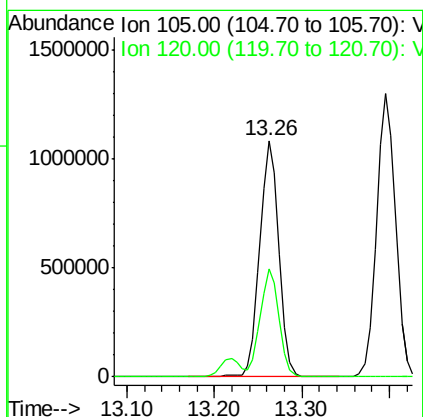
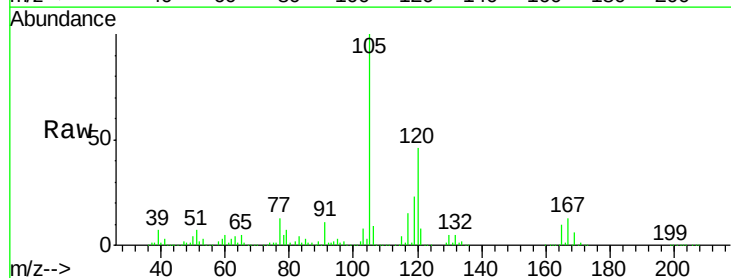
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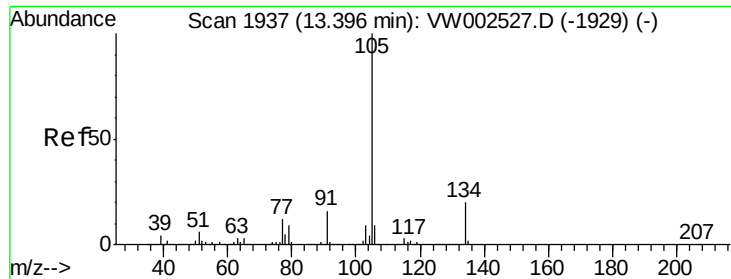
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#84
 1,2,4-Trimethylbenzene
 Concen: 152.54 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 151.85 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1944194

Ion Ratio Lower Upper

105 100

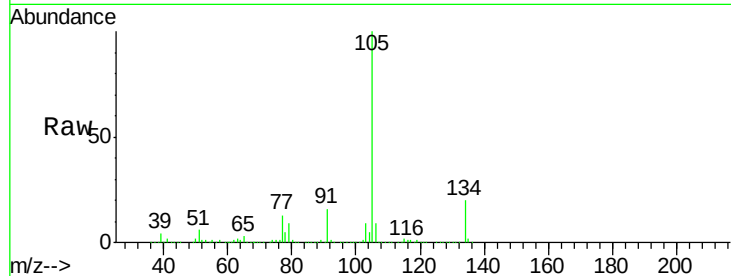
134 20.1 10.1 30.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

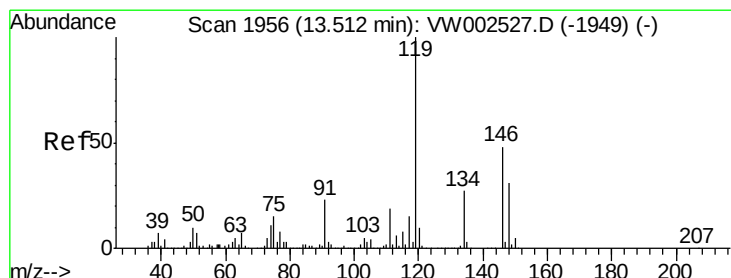
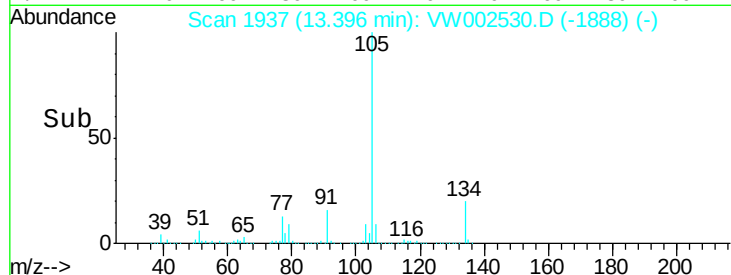
1500000

1000000

500000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 156.70 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

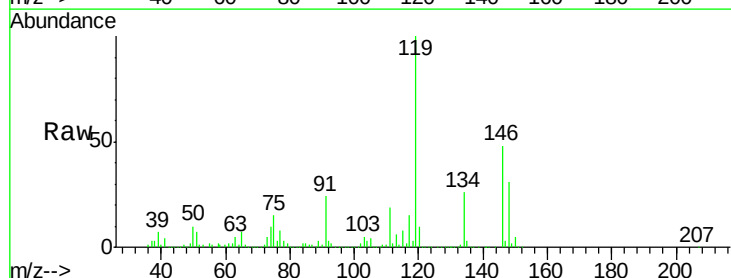
Tgt Ion:119 Resp: 1797672

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 23.9 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

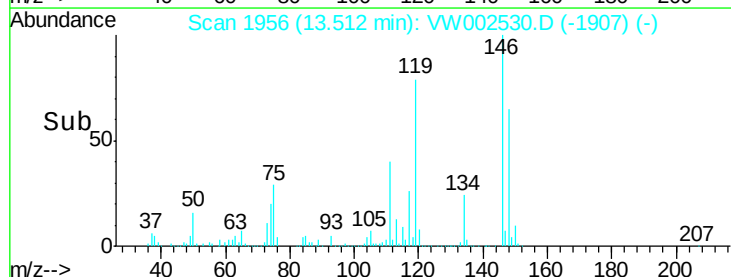
1500000

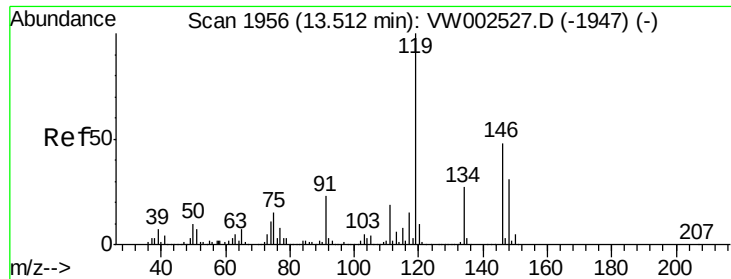
1000000

500000

0

Time--> 13.45 13.50 13.55





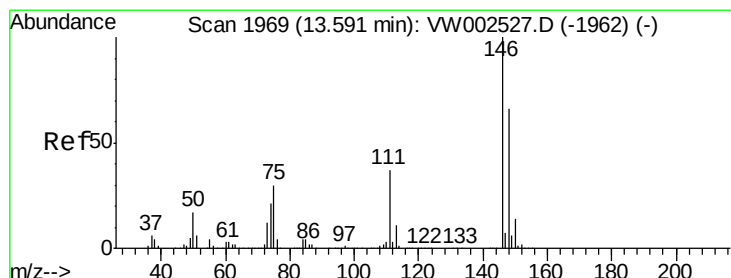
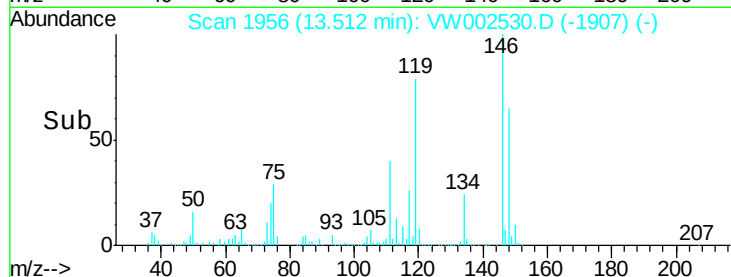
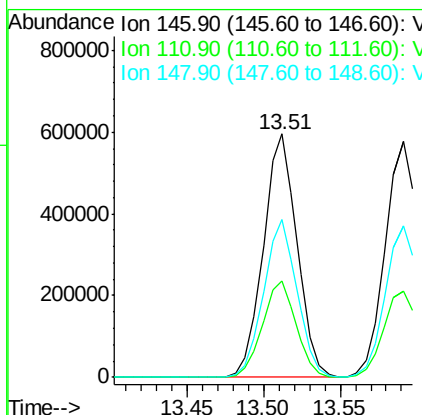
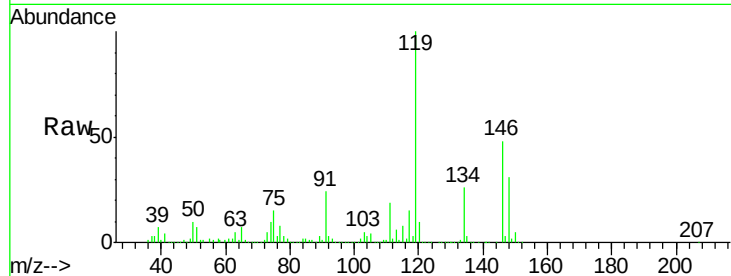
#87
 1,3-Dichlorobenzene
 Concen: 148.24 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	914669		
111	39.5	19.6	58.7	
148	64.1	32.3	96.8	

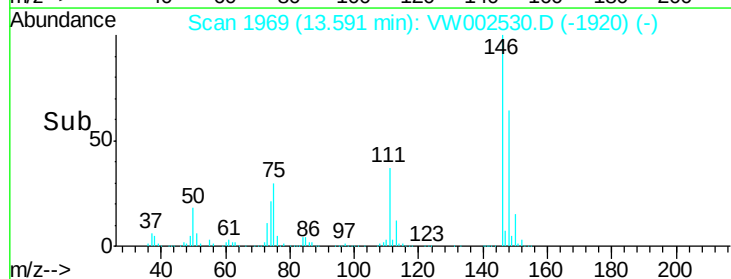
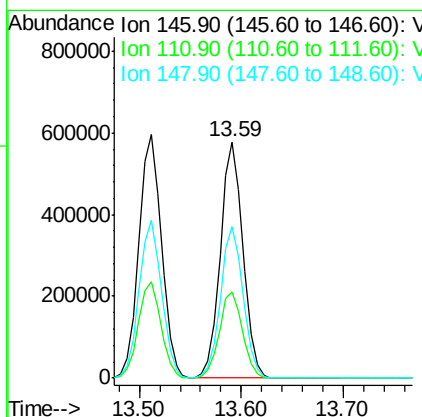
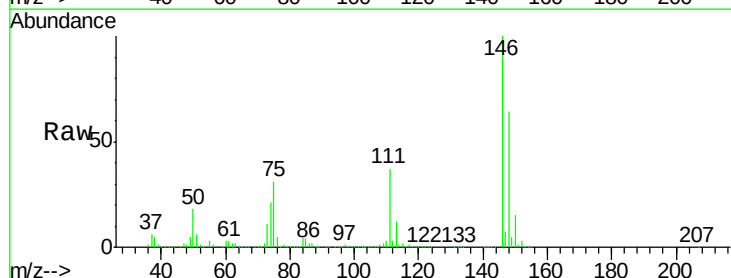
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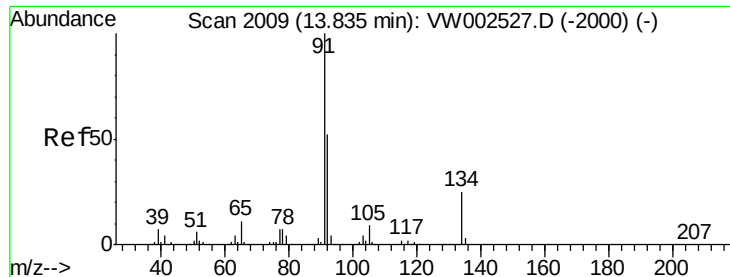
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#88
 1,4-Dichlorobenzene
 Concen: 144.23 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	889146		
111	37.5	18.9	56.5	
148	64.2	32.4	97.0	





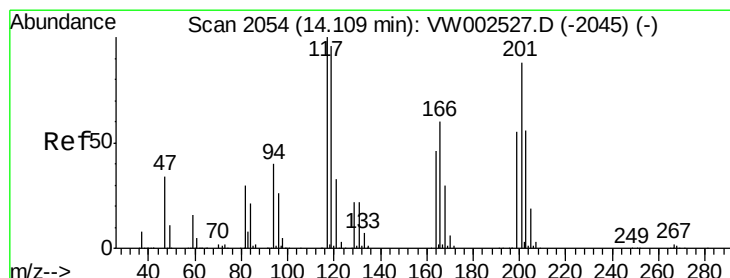
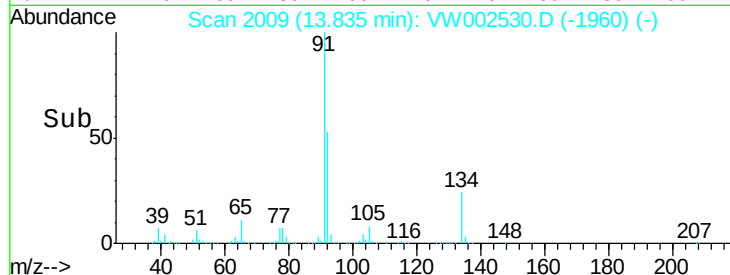
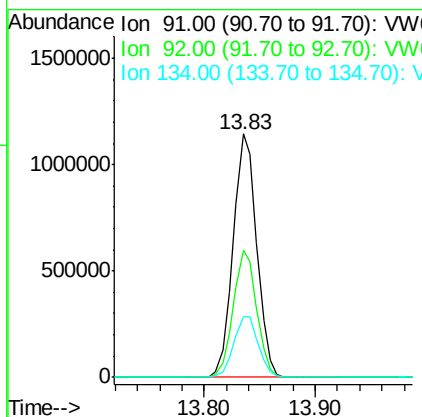
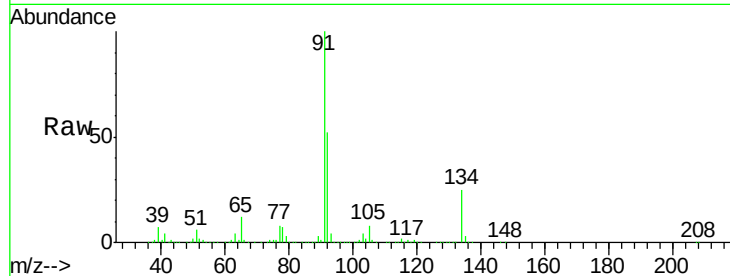
#89
n-Butylbenzene
Concen: 155.89 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1672574
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.7 13.1 39.1

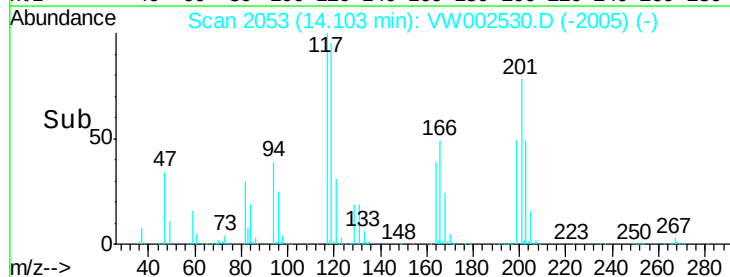
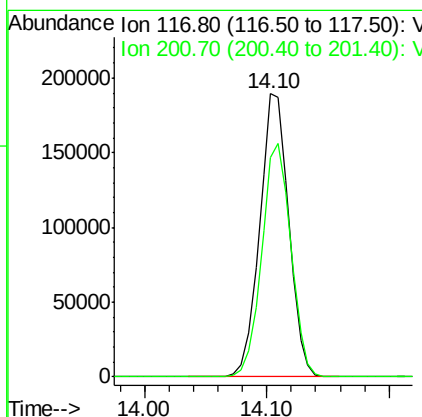
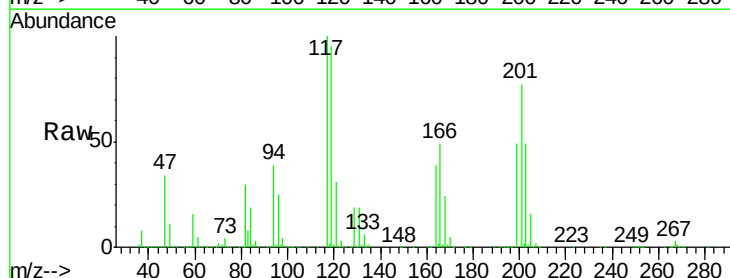
Manual Integrations
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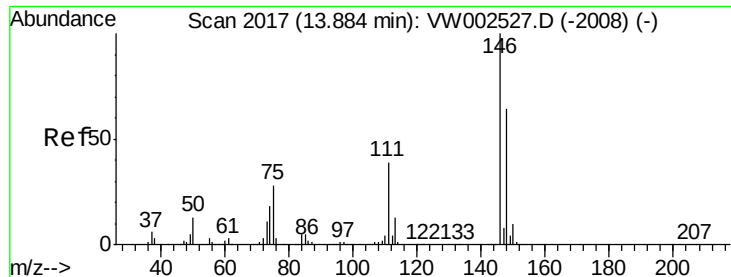
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#90
Hexachloroethane
Concen: 153.27 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.01 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 117 Resp: 314161
Ion Ratio Lower Upper
117 100
201 82.5 42.0 126.0





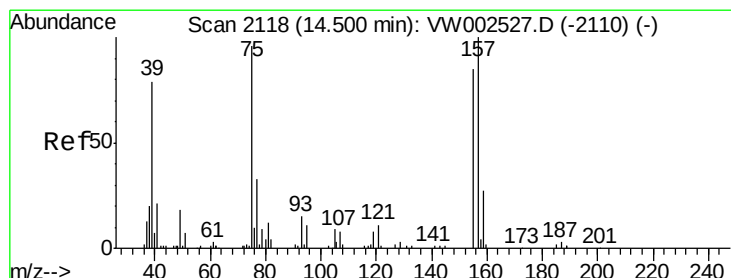
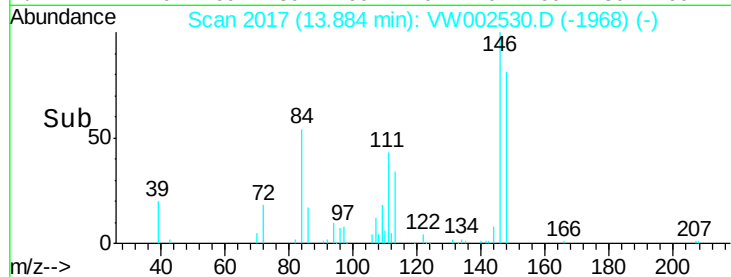
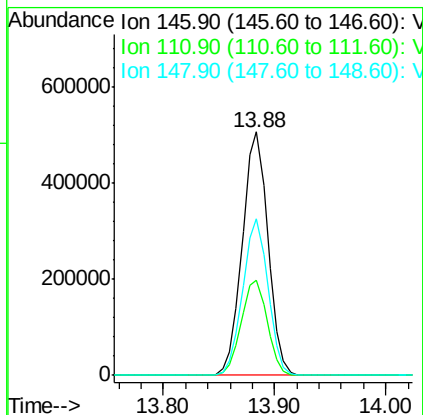
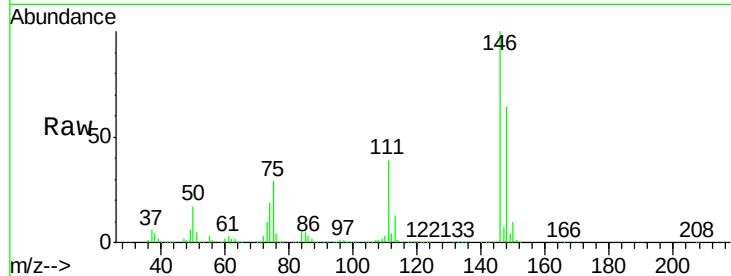
#91
 1,2-Dichlorobenzene
 Concen: 144.18 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	810051		
111	39.9	19.9	59.6	
148	63.6	32.1	96.3	

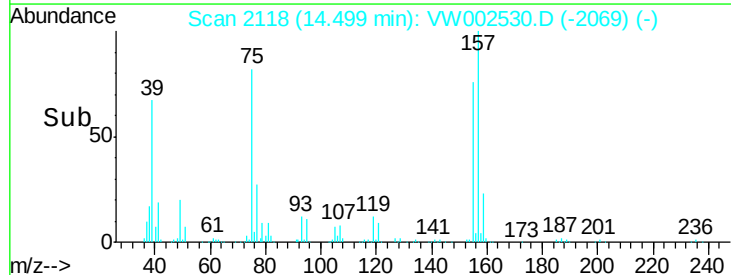
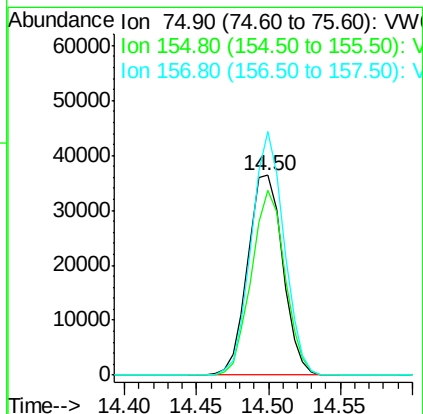
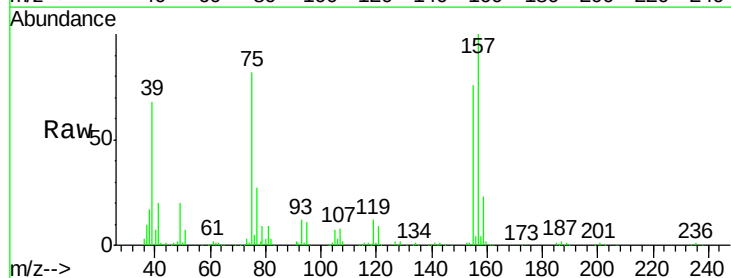
Manual Integrations
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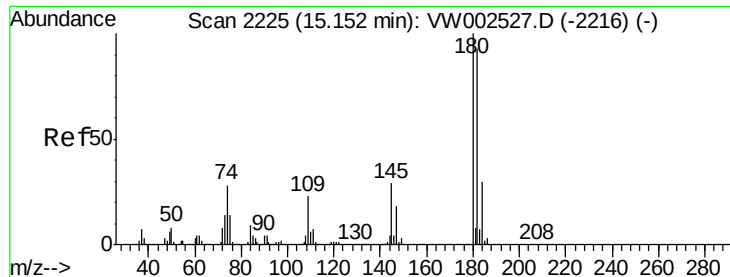
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 146.85 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61351		
155	87.9	42.8	128.4	
157	113.1	57.4	172.0	





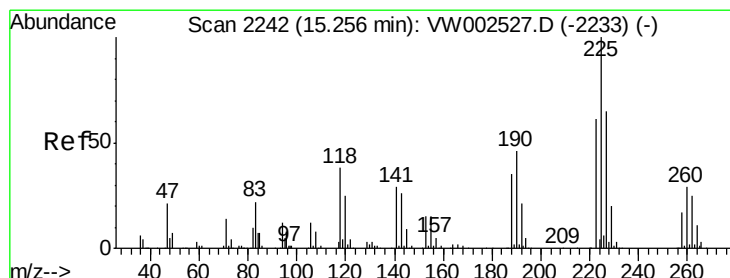
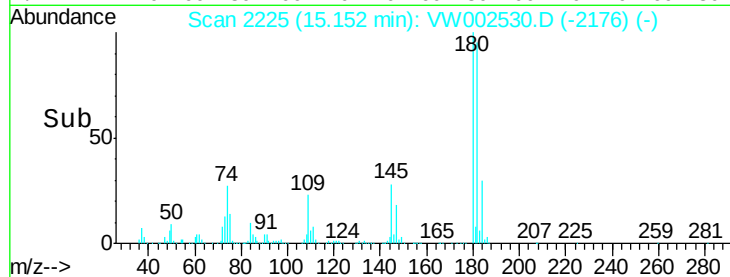
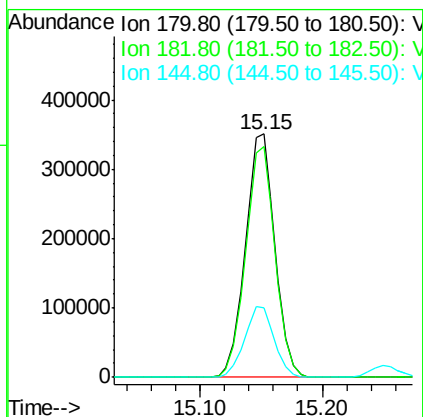
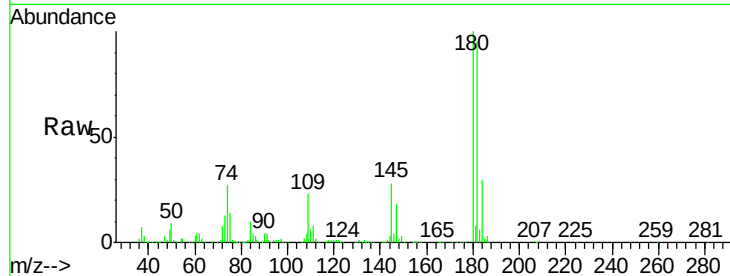
#93
 1,2,4-Trichlorobenzene
 Concen: 145.47 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	585848
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.2	141.6
145	29.3	14.9	44.9

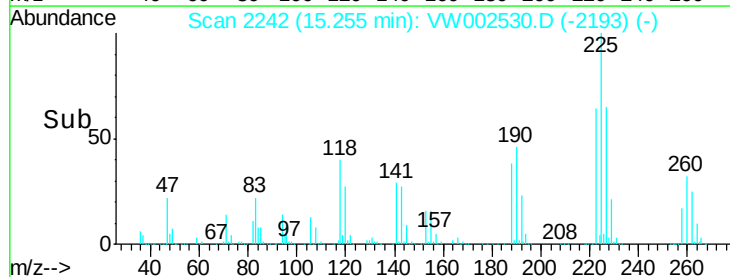
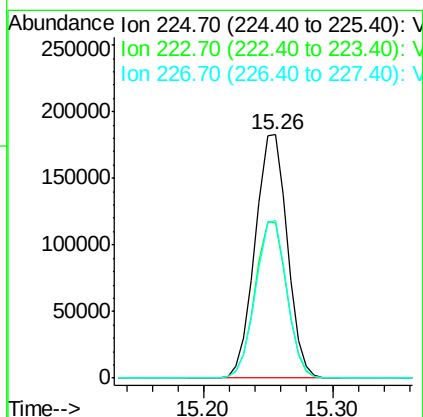
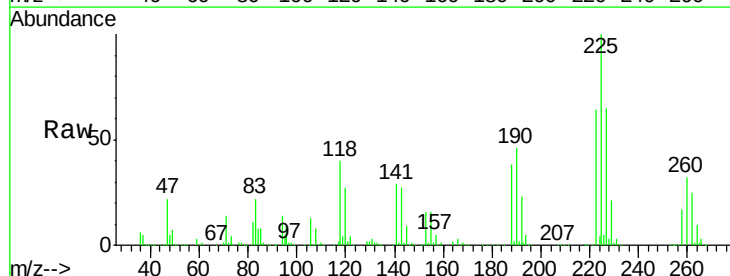
Manual Integrations
 APPROVED

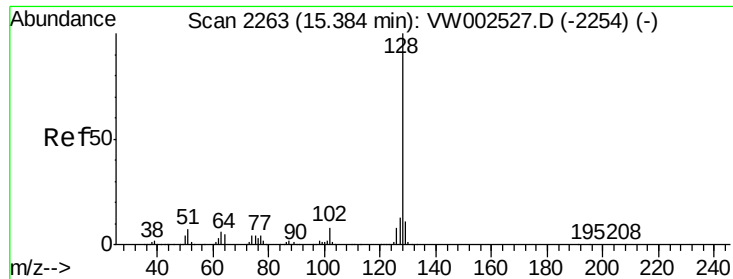
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#94
 Hexachlorobutadiene
 Concen: 140.56 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion:	225	Resp:	315184
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.3	93.9
227	63.3	31.9	95.5





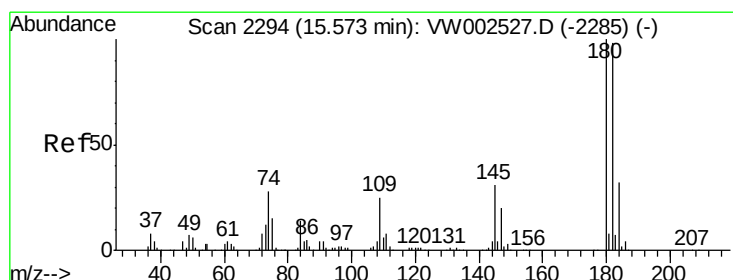
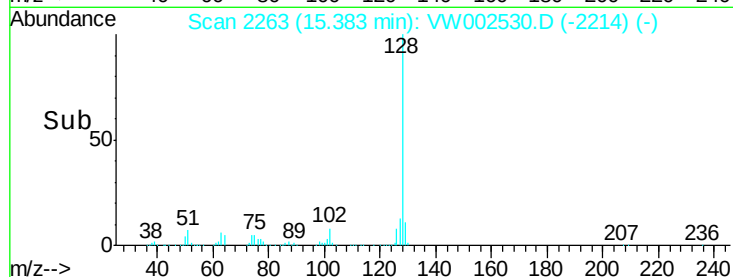
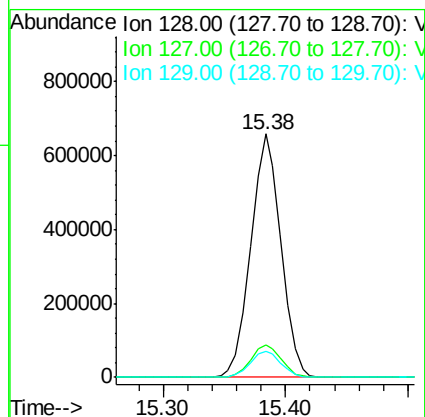
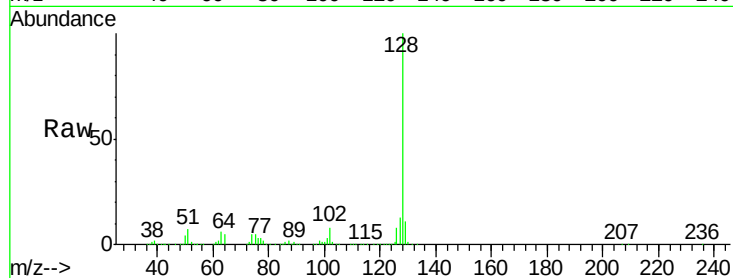
#95
Naphthalene
Concen: 151.41 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.0	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 142.39 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	31.3	15.5	46.5

