

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002528.D
 Acq On : 14 May 2018 22:31
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Manual Integrations
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 5/15/2018 6:11:34 PM

Quant Time: May 15 03:20:40 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	238302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	357929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	334233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	186702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	179383	71.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.84%	
35) Dibromofluoromethane	7.88	113	166249	72.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.90%	
50) Toluene-d8	10.33	98	635539	72.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.92%	
62) 4-Bromofluorobenzene	12.63	95	232198	73.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	67239	75.13	ug/l	100
3) Chloromethane	2.21	50	121056	67.23	ug/l	95
4) Vinyl Chloride	2.36	62	193502	65.52	ug/l	97
5) Bromomethane	2.77	94	151397	63.26	ug/l	98
6) Chloroethane	2.92	64	132897	66.06	ug/l	99
7) Trichlorofluoromethane	3.25	101	85087	69.16	ug/l	97
8) Diethyl Ether	3.67	74	96961	69.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	136004	63.28	ug/l	99
10) Methyl Iodide	4.26	142	219786	63.54	ug/l	100
11) Tert butyl alcohol	5.19	59	60962	324.44	ug/l	100
12) 1,1-Dichloroethene	4.03	96	133472	62.96	ug/l	98
13) Acrolein	3.89	56	62770	390.54	ug/l	98
14) Allyl chloride	4.65	41	207987	66.51	ug/l	100
15) Acrylonitrile	5.37	53	180014	332.14	ug/l	99
16) Acetone	4.12	43	174390	347.83	ug/l	98
17) Carbon Disulfide	4.37	76	363862	59.56	ug/l	100
18) Methyl Acetate	4.67	43	101610	67.79	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	254797	67.75	ug/l	99
20) Methylene Chloride	4.91	84	143639	61.01	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	146939	64.12	ug/l	99
22) Diisopropyl ether	6.31	45	456786	66.40	ug/l	99
23) Vinyl Acetate	6.25	43	1408646	340.45	ug/l	100
24) 1,1-Dichloroethane	6.21	63	268043	64.43	ug/l	98
25) 2-Butanone	7.17	43	247017	333.78	ug/l	97
26) 2,2-Dichloropropane	7.17	77	146257	69.36	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	167365	64.54	ug/l	99
28) Bromochloromethane	7.51	49	122548	64.74	ug/l	99
29) Tetrahydrofuran	7.53	42	160462	332.31	ug/l	98
30) Chloroform	7.67	83	288370	66.05	ug/l	96
31) Cyclohexane	7.95	56	222234	59.99	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	217726	66.08	ug/l	100
36) 1,1-Dichloropropene	8.08	75	213974	66.28	ug/l	100
37) Ethyl Acetate	7.26	43	106131	66.84	ug/l	100
38) Carbon Tetrachloride	8.06	117	212505	67.84	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	249050	66.31	ug/l	99
40) Benzene	8.32	78	614050	65.39	ug/l	99
41) Methacrylonitrile	7.49	41	59974	67.28	ug/l	99
42) 1,2-Dichloroethane	8.40	62	197397	67.01	ug/l	100
43) Isopropyl Acetate	8.43	43	208296	69.16	ug/l	100
44) Trichloroethene	9.09	130	168636	65.69	ug/l	99
45) 1,2-Dichloropropane	9.37	63	157258	66.50	ug/l	99
46) Dibromomethane	9.46	93	89281	67.34	ug/l	99
47) Bromodichloromethane	9.65	83	218119	69.86	ug/l	96
48) Methyl methacrylate	9.44	41	102398	70.14	ug/l	98
49) 1,4-Dioxane	9.45	88	29187	1364.41	ug/l	96
51) 4-Methyl-2-Pentanone	10.22	43	572914	343.39	ug/l	100
52) Toluene	10.40	92	395771	66.37	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	220088	71.12	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	244738	69.62	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	124053	66.38	ug/l	97
56) Ethyl methacrylate	10.65	69	163258	70.57	ug/l	100
57) 1,3-Dichloropropane	10.94	76	212393	66.98	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	397093	353.10	ug/l	99
59) 2-Hexanone	10.98	43	400769	350.57	ug/l	100
60) Dibromochloromethane	11.13	129	152019	68.85	ug/l	99
61) 1,2-Dibromoethane	11.24	107	122210	67.13	ug/l	100
64) Tetrachloroethene	10.87	164	160959	63.44	ug/l	99
65) Chlorobenzene	11.66	112	449473	66.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	167981	69.21	ug/l	98
67) Ethyl Benzene	11.74	91	794655	67.91	ug/l	100
68) m/p-Xylenes	11.85	106	611676	135.59	ug/l	100
69) o-Xylene	12.18	106	294457	68.60	ug/l	100
70) Styrene	12.19	104	495739	69.62	ug/l	99
71) Bromoform	12.36	173	97743	69.68	ug/l #	99
73) Isopropylbenzene	12.48	105	805891	66.70	ug/l	99
74) N-amyl acetate	12.28	43	212166	69.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	155405	65.81	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	118792m	68.85	ug/l	
77) Bromobenzene	12.76	156	201775	66.18	ug/l	99
78) n-propylbenzene	12.82	91	969007	67.64	ug/l	100
79) 2-Chlorotoluene	12.90	91	543823	66.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	690314	67.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	46297	72.92	ug/l	98
82) 4-Chlorotoluene	13.00	91	585198	66.72	ug/l	100
83) tert-Butylbenzene	13.22	119	591761	67.68	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	718872	68.13	ug/l	99
85) sec-Butylbenzene	13.40	105	846000	67.57	ug/l	100
86) p-Isopropyltoluene	13.51	119	775114	69.09	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	402360	66.69	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	400435	66.43	ug/l	99
89) n-Butylbenzene	13.83	91	728699	69.45	ug/l	100
90) Hexachloroethane	14.11	117	135934	67.82	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	364463	66.34	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	27822	68.10	ug/l	100

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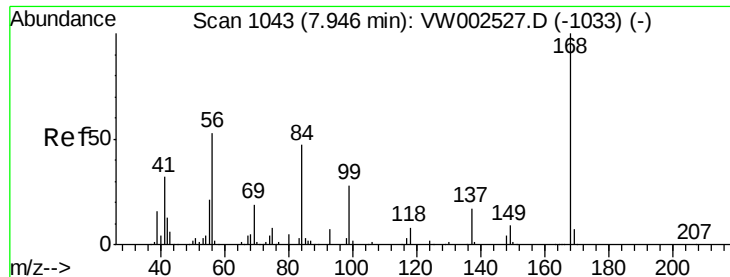
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	265014	67.29	ug/l	99
94) Hexachlorobutadiene	15.25	225	144458	65.88	ug/l	99
95) Naphthalene	15.38	128	501644	69.00	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	232904	65.91	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: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 238302

Ion Ratio Lower Upper

168 100

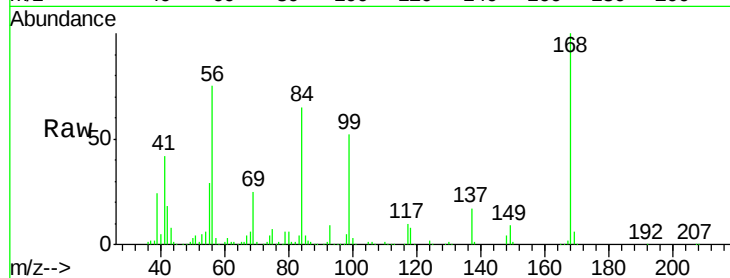
99 51.5 42.6 64.0

Manual Integrations

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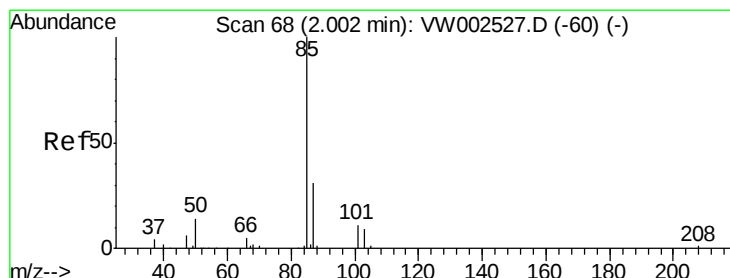
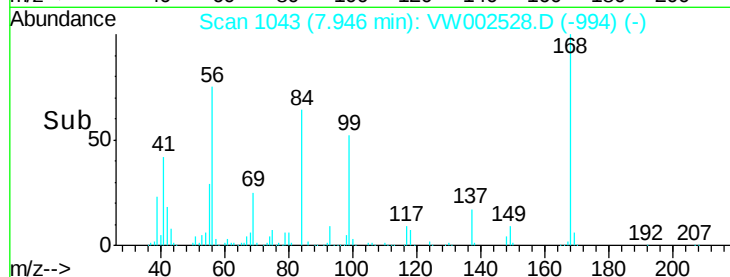
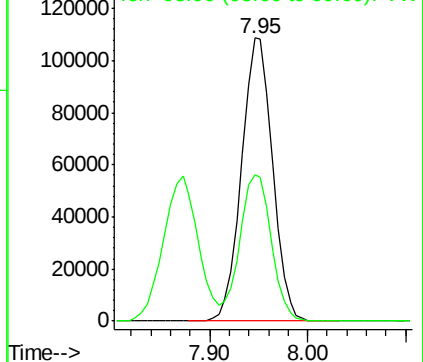
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 75.13 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002528.D

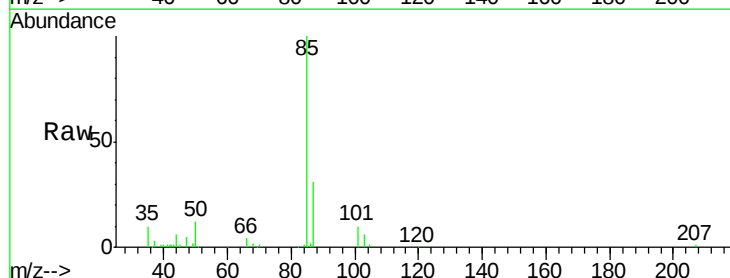
Acq: 14 May 2018 22:31

Tgt Ion: 85 Resp: 67239

Ion Ratio Lower Upper

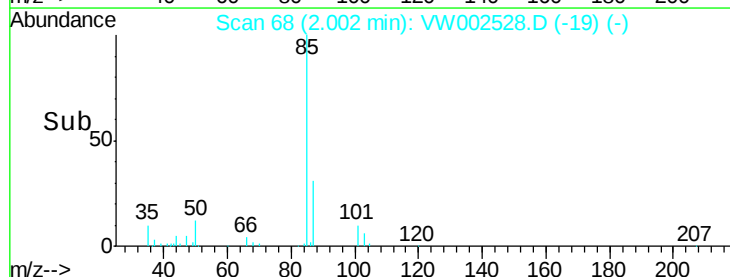
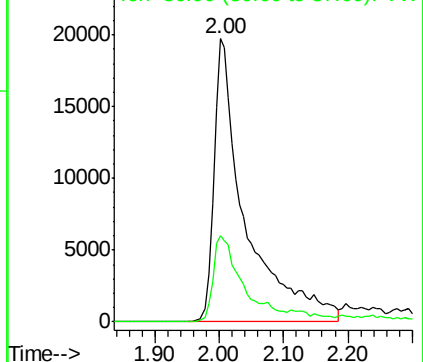
85 100

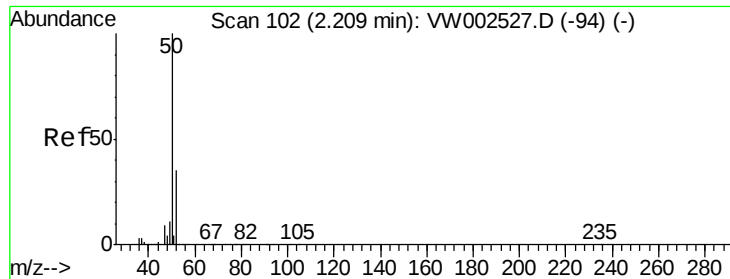
87 30.6 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 67.23 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 121056

Ion Ratio Lower Upper

50 100

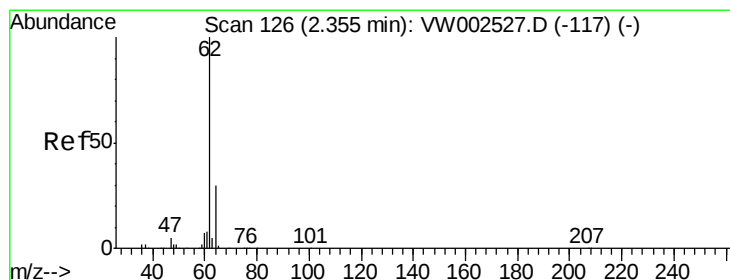
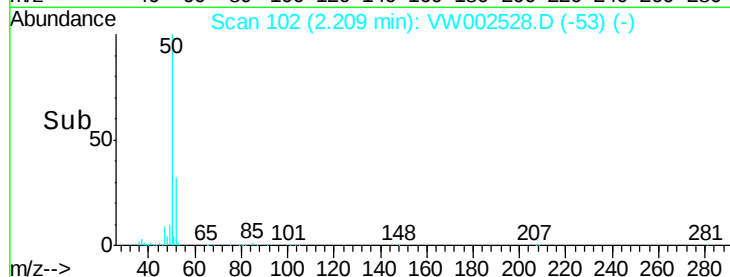
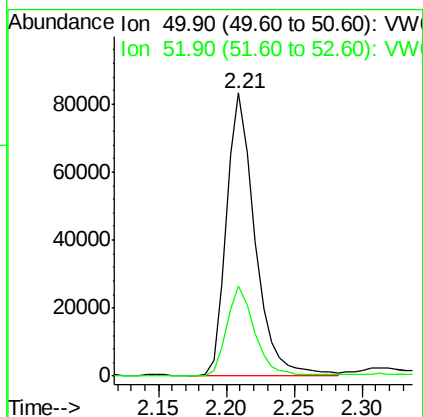
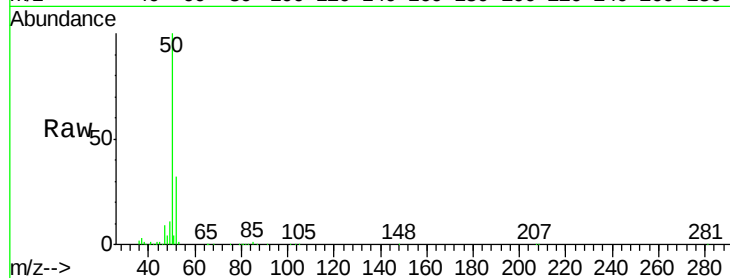
52 32.0 27.8 41.8

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#4

Vinyl Chloride

Concen: 65.52 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002528.D

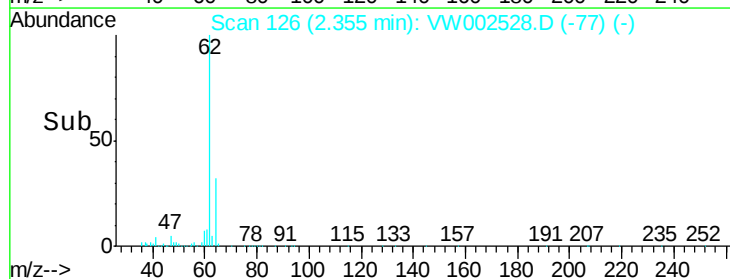
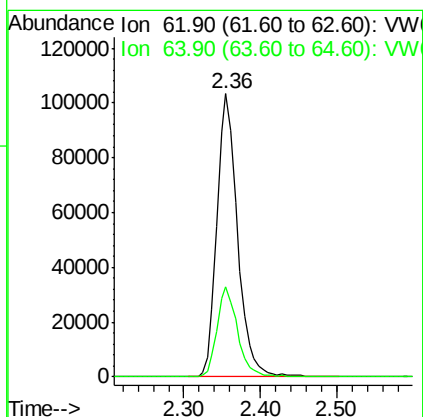
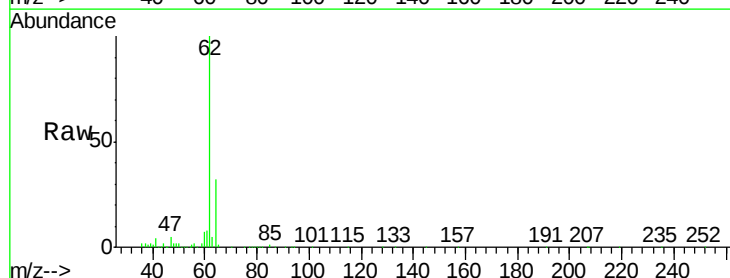
Acq: 14 May 2018 22:31

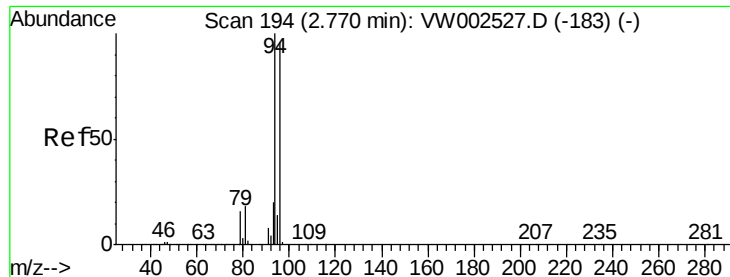
Tgt Ion: 62 Resp: 193502

Ion Ratio Lower Upper

62 100

64 31.6 24.0 36.0





#5

Bromomethane

Concen: 63.26 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 151397

Ion Ratio Lower Upper

94 100

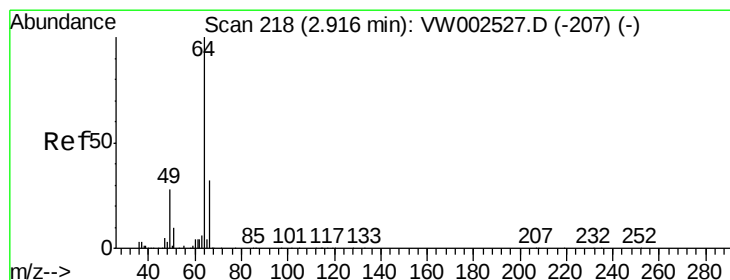
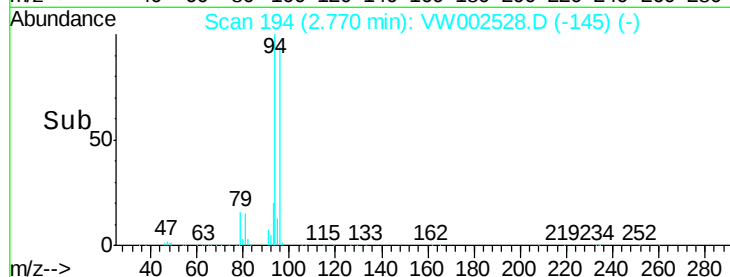
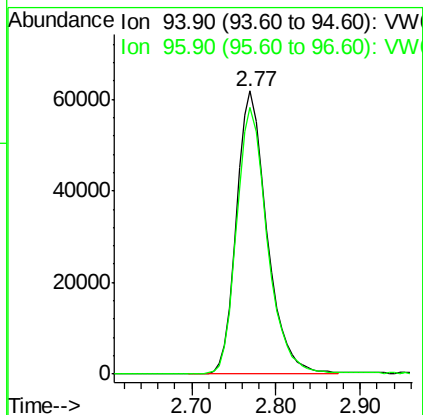
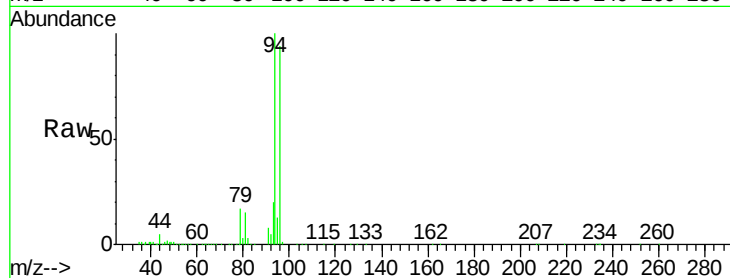
96 94.3 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 66.06 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW002528.D

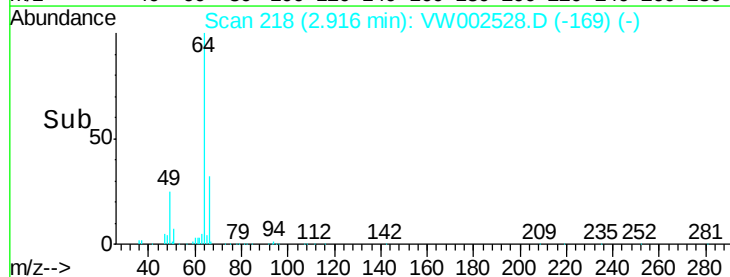
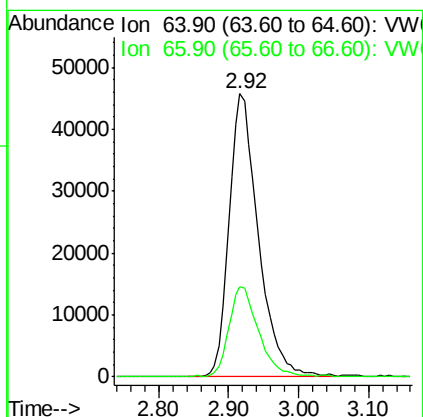
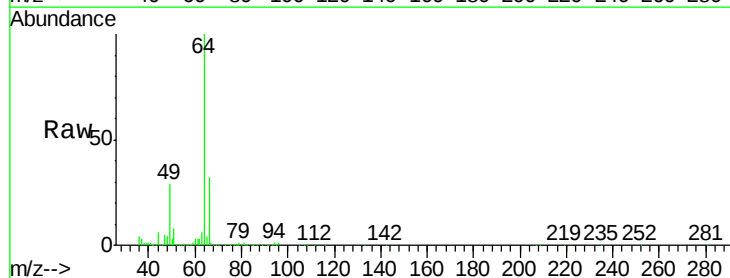
Acq: 14 May 2018 22:31

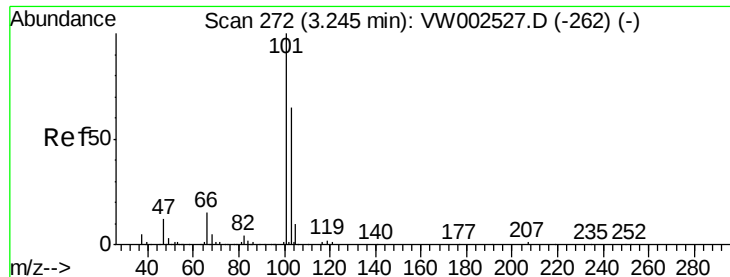
Tgt Ion: 64 Resp: 132897

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.8





#7

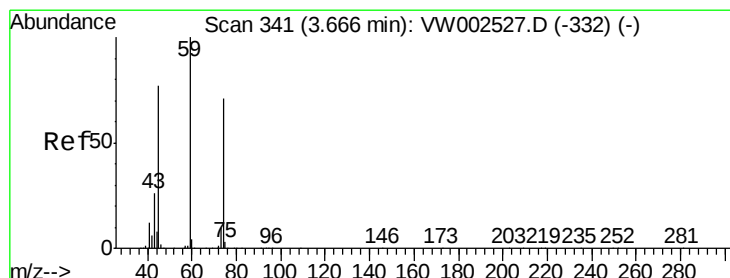
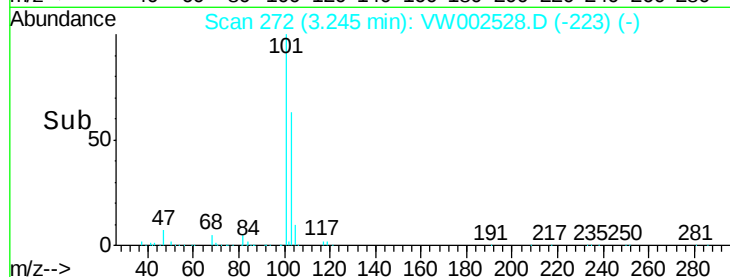
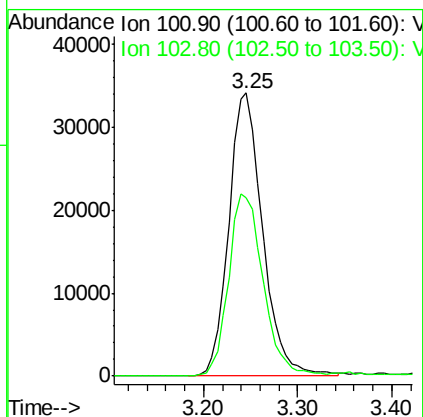
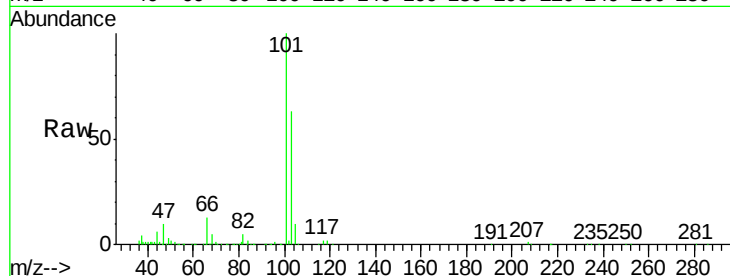
Trichlorofluoromethane
 Concen: 69.16 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.8

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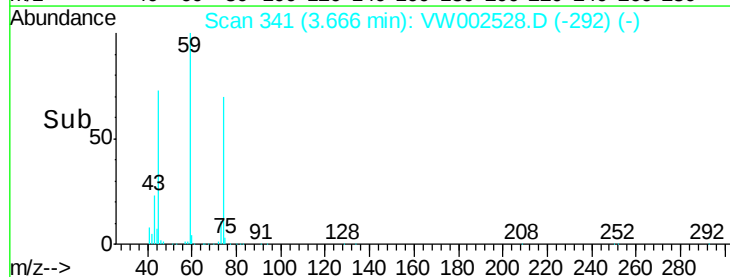
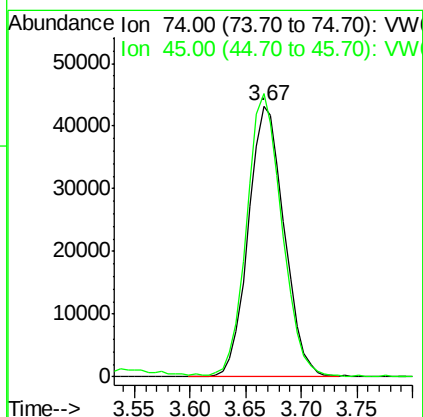
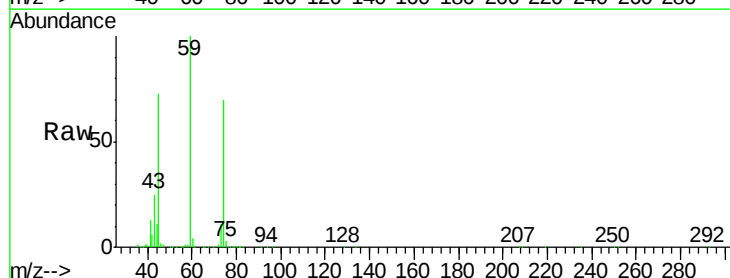
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 5/15/2018 6:11:34 PM

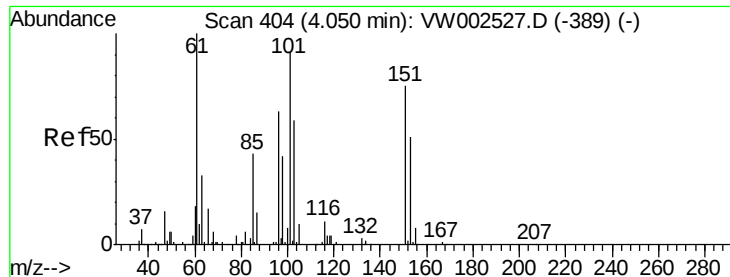


#8

Diethyl Ether
 Concen: 69.95 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	52.3	156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.28 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

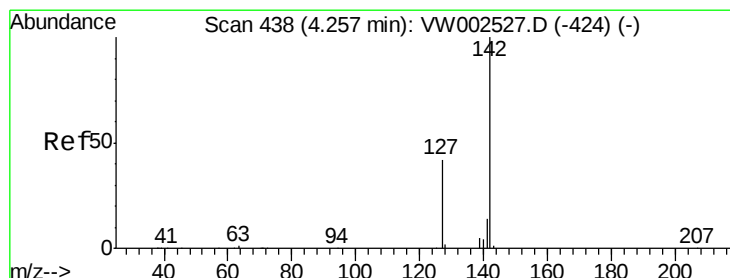
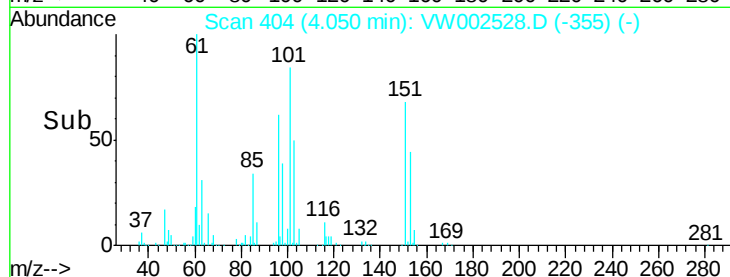
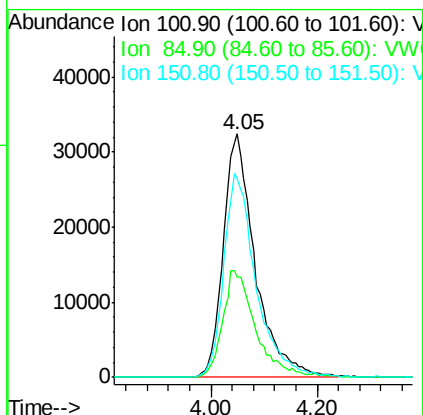
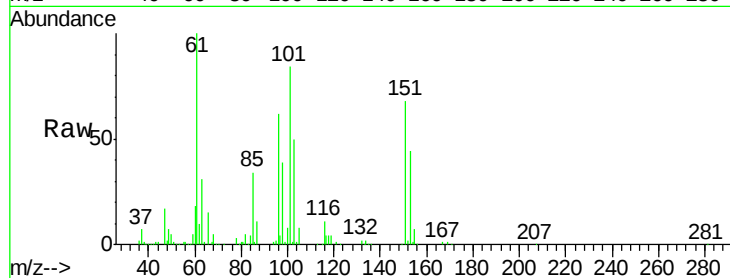
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	136004
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.5	54.7
151	84.6	66.7	100.1

Manual Integrations
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#10

Methyl Iodide

Concen: 63.54 ug/l

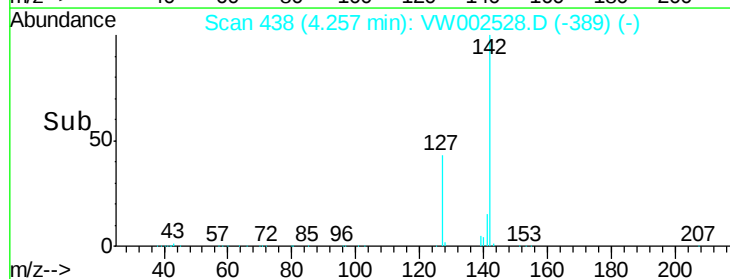
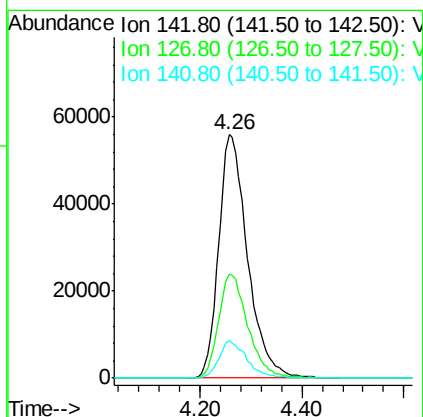
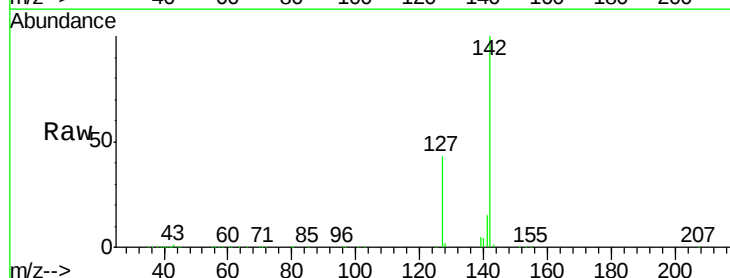
RT: 4.26 min Scan# 438

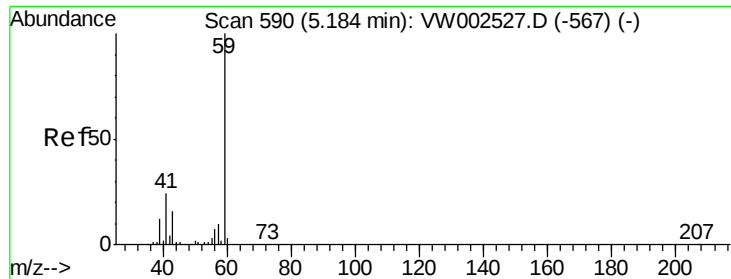
Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion:	142	Resp:	219786
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.6	52.0
141	14.8	11.8	17.8





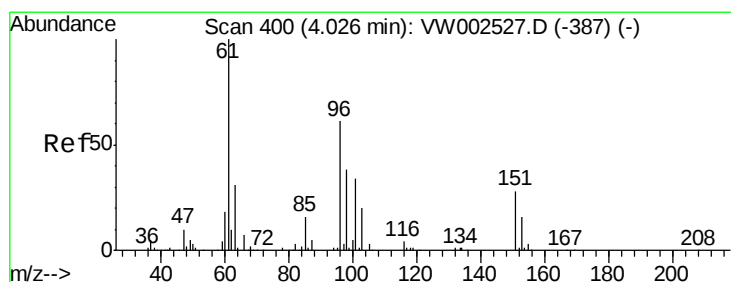
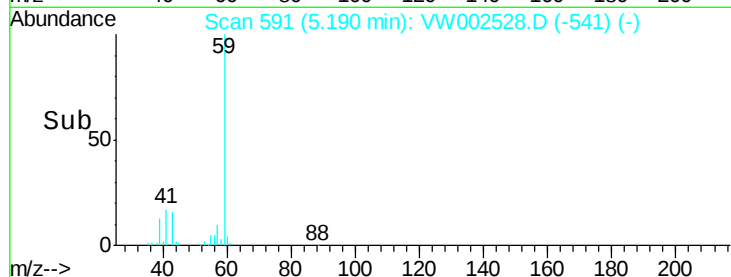
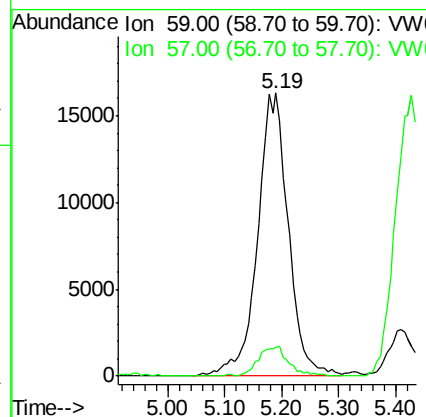
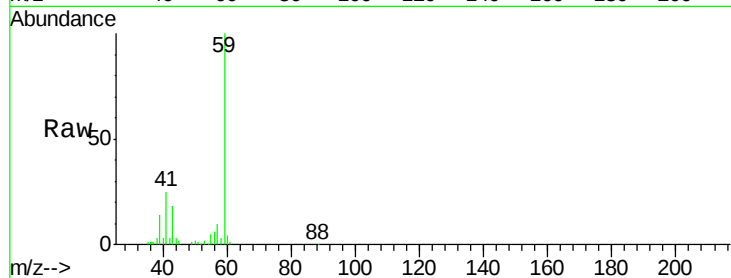
#11
Tert butyl alcohol
Concen: 324.44 ug/l
RT: 5.19 min Scan# 591
Delta R.T. 0.01 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	59	Resp	60962
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

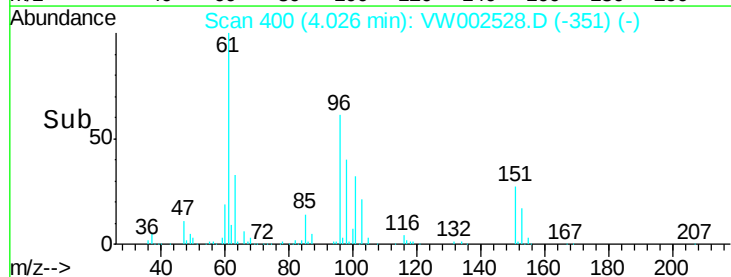
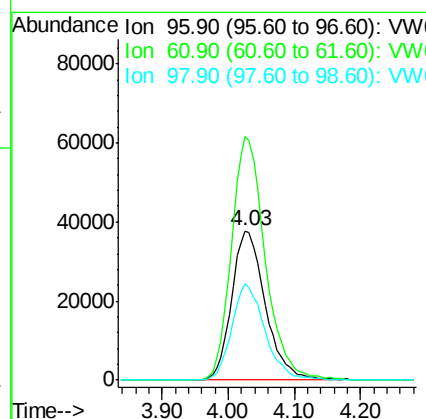
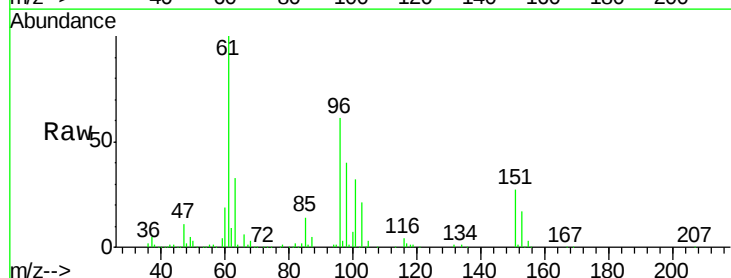
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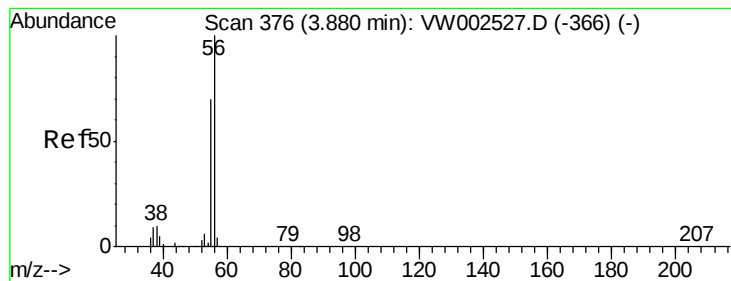
apatel
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#12
1,1-Dichloroethene
Concen: 62.96 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	96	Resp	133472
Ion Ratio	100	Lower	Upper
61	163.3	132.2	198.2
98	64.7	50.6	76.0





#13

Acrolein

Concen: 390.54 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion: 56 Resp: 62770

Ion Ratio Lower Upper

56 100

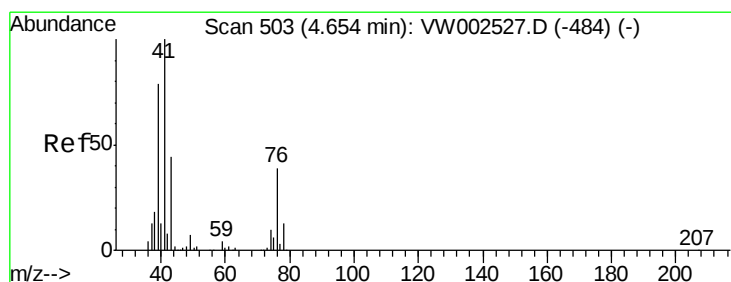
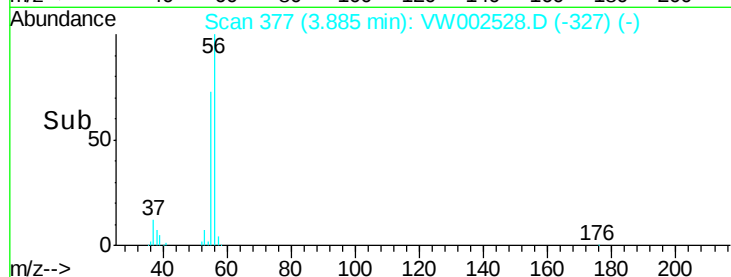
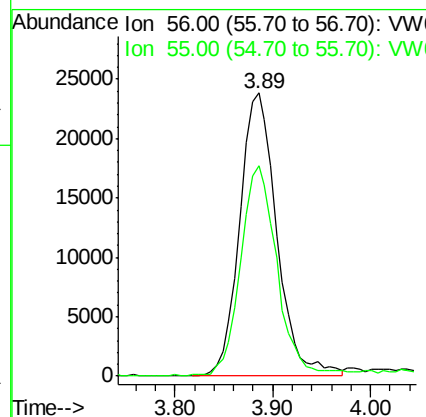
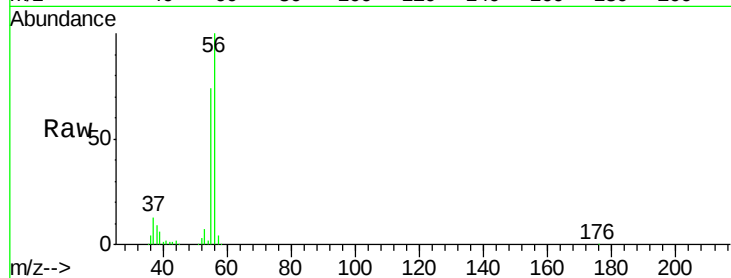
55 72.7 57.0 85.4

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#14

Allyl chloride

Concen: 66.51 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

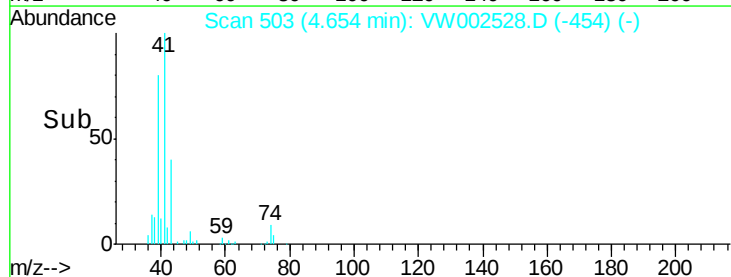
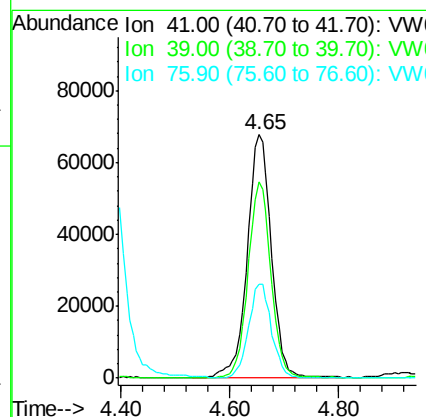
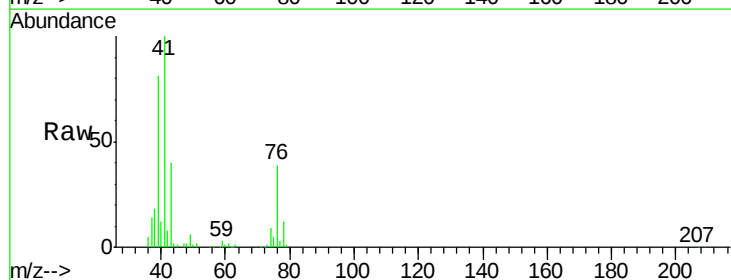
Tgt Ion: 41 Resp: 207987

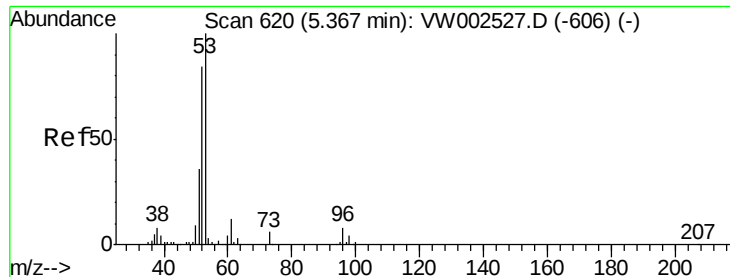
Ion Ratio Lower Upper

41 100

39 77.0 61.4 92.2

76 36.9 29.6 44.4





#15

Acrylonitrile

Concen: 332.14 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

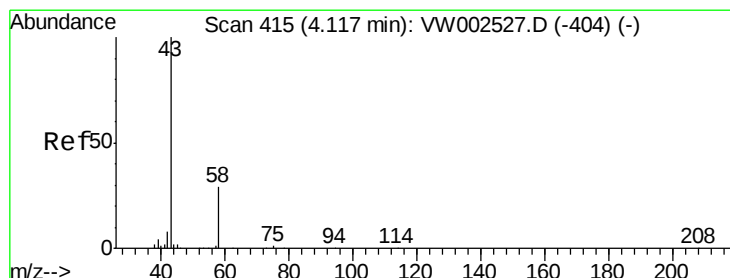
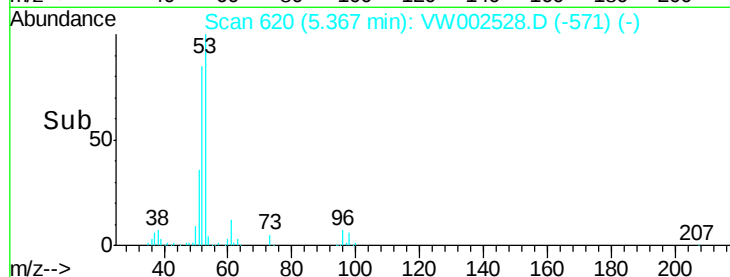
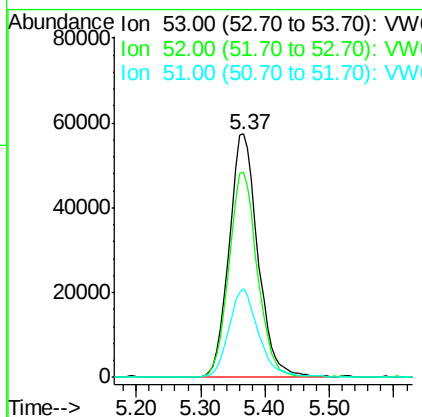
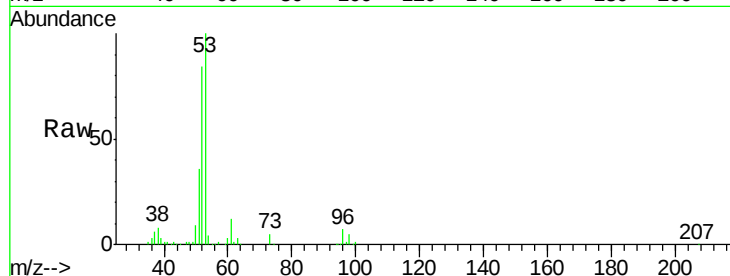
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	180014
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	100.0
51	37.7	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 347.83 ug/l

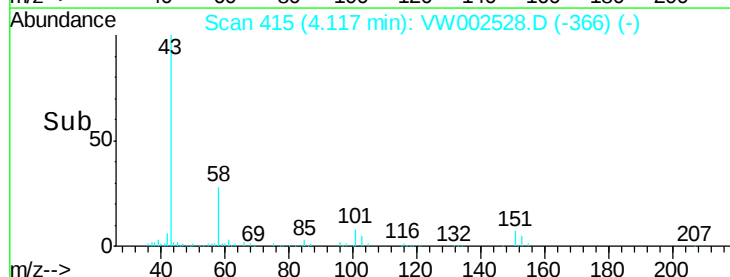
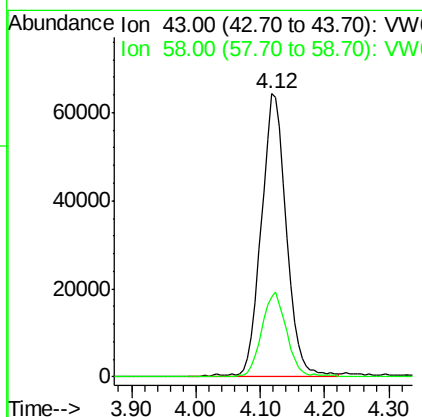
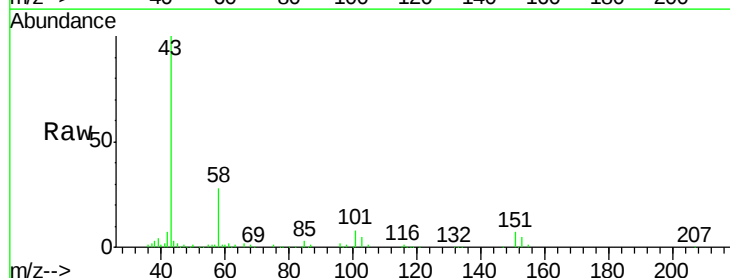
RT: 4.12 min Scan# 415

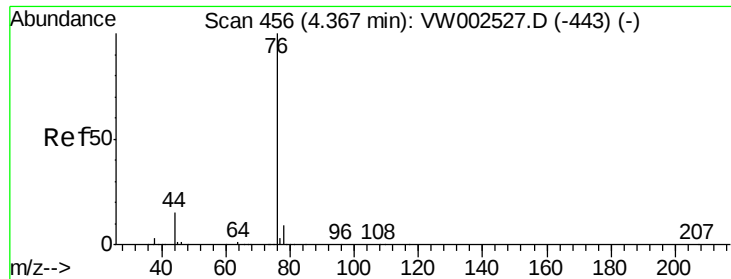
Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion:	43	Resp:	174390
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.4	35.0





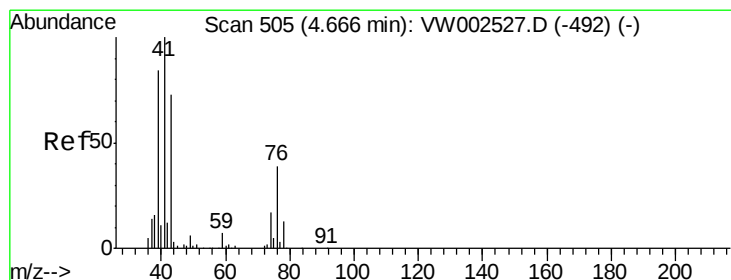
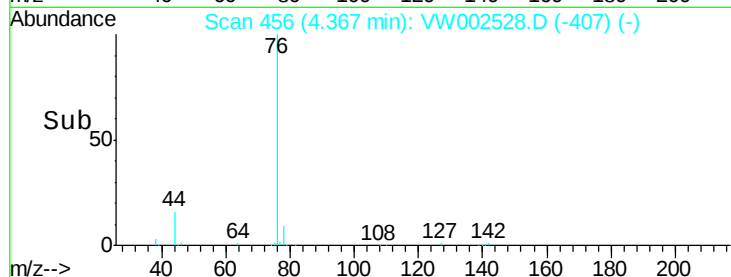
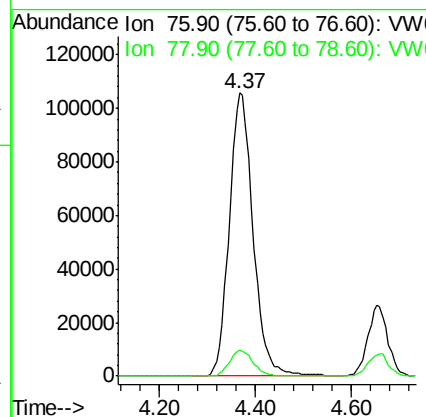
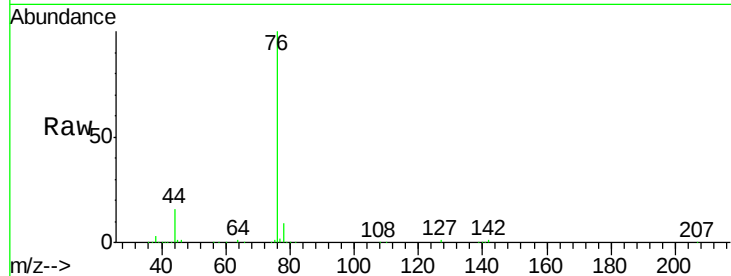
#17
Carbon Disulfide
Concen: 59.56 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

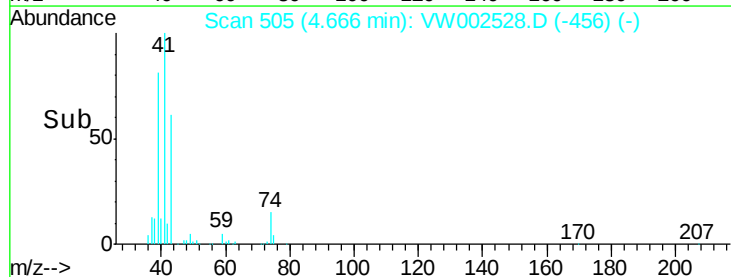
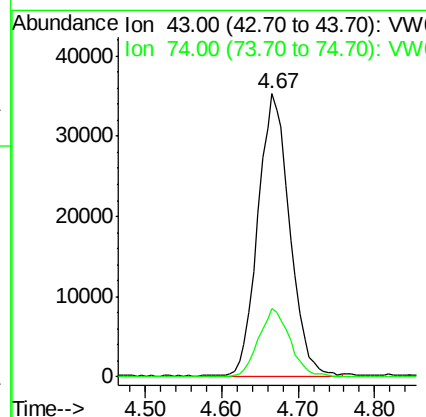
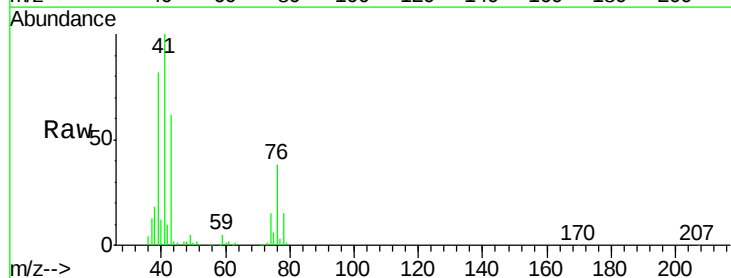
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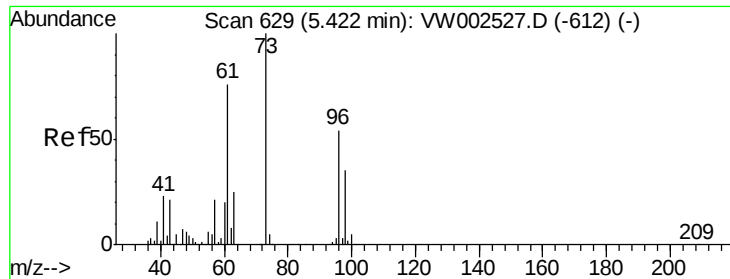
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#18
Methyl Acetate
Concen: 67.79 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8





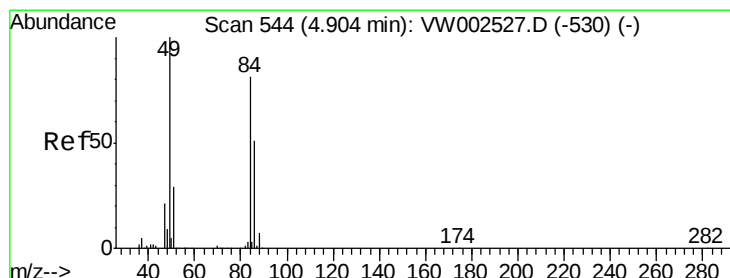
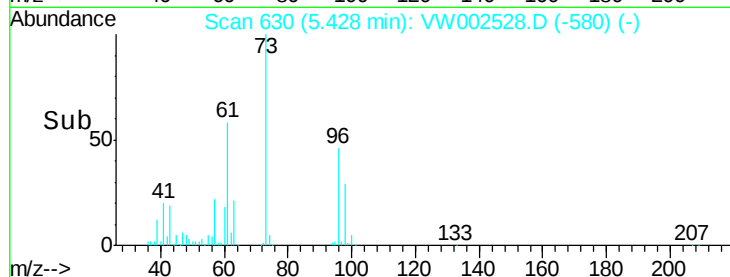
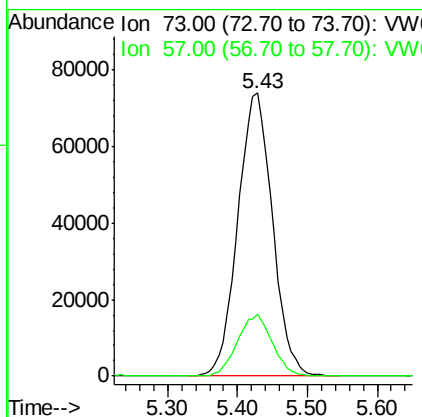
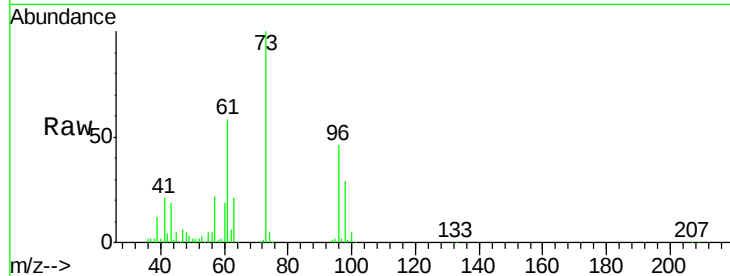
#19
Methvl tert-butvl Ether
Concen: 67.75 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 254797
Ion Ratio Lower Upper
73 100
57 21.8 17.0 25.6

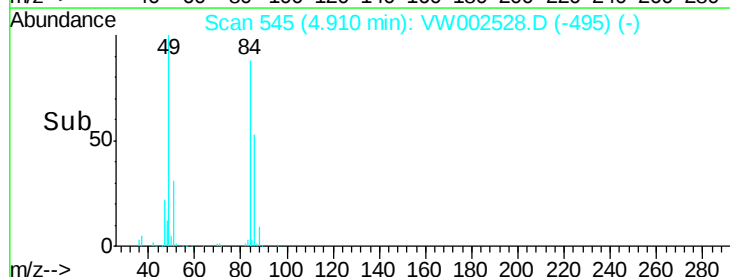
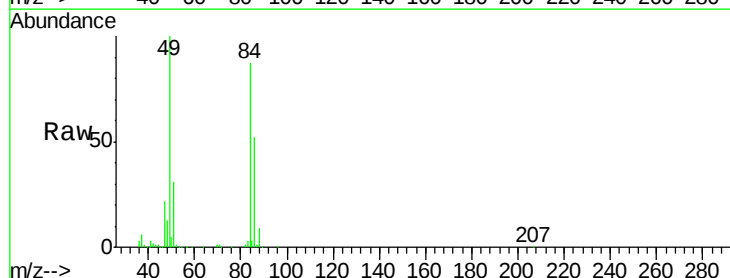
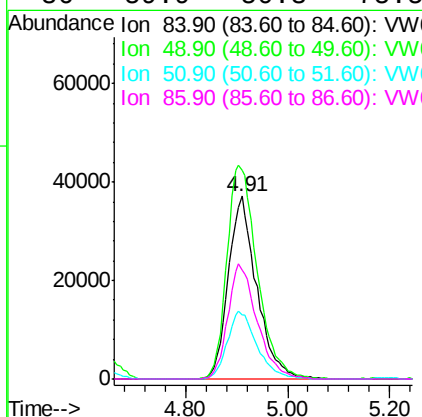
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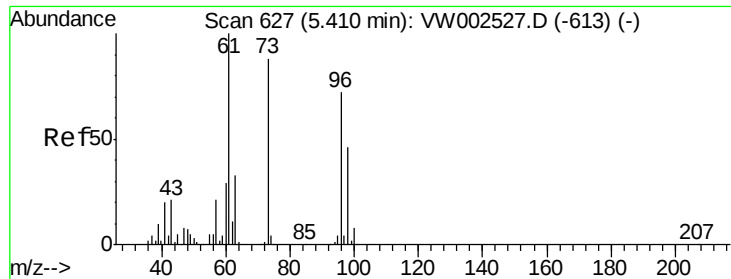
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#20
Methylene Chloride
Concen: 61.01 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion: 84 Resp: 143639
Ion Ratio Lower Upper
84 100
49 114.4 99.4 149.0
51 35.0 29.0 43.6
86 59.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 64.12 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

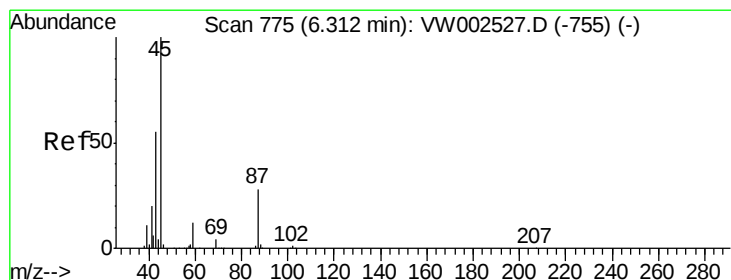
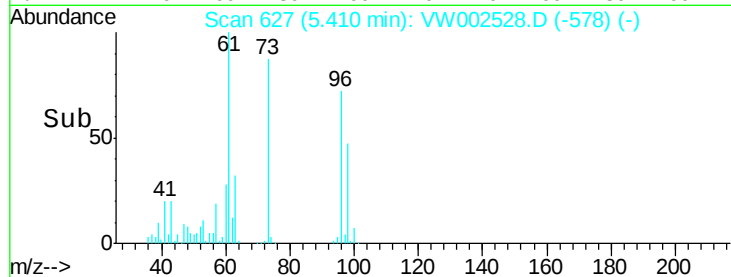
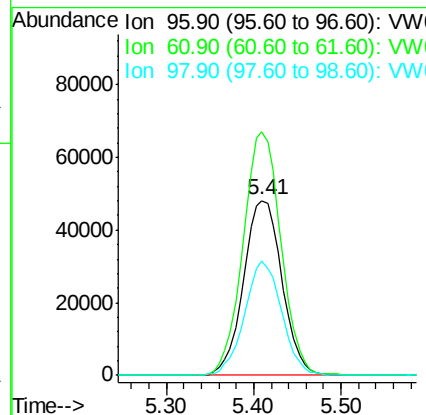
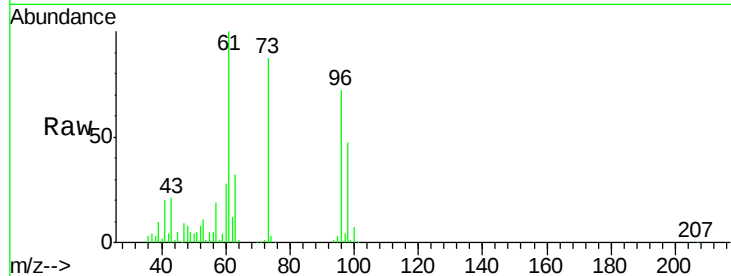
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	146939
Ion	Ratio	Lower	Upper
96	100		
61	139.3	111.6	167.4
98	65.8	51.7	77.5

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#22

Diisopropyl ether

Concen: 66.40 ug/l

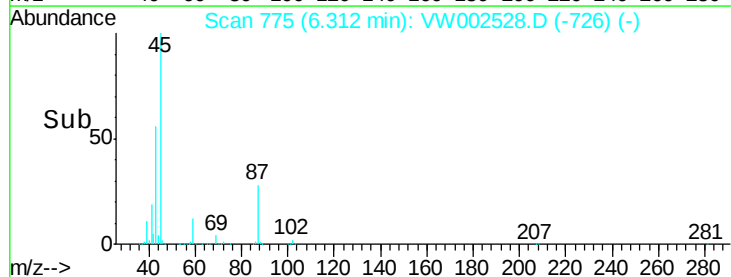
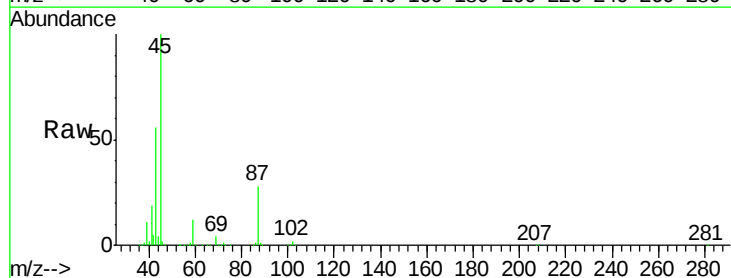
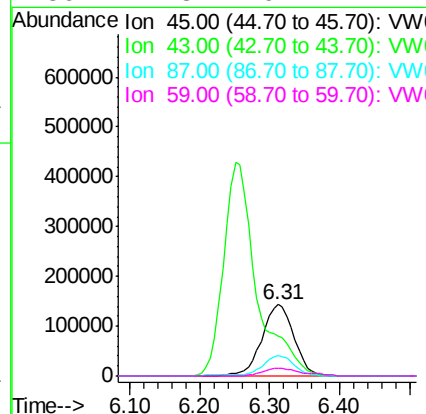
RT: 6.31 min Scan# 775

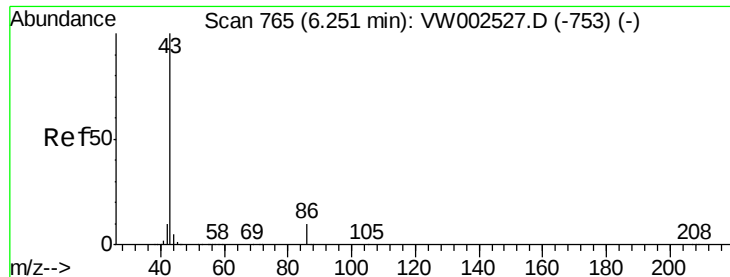
Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion:	45	Resp:	456786
Ion	Ratio	Lower	Upper
45	100		
43	56.0	44.4	66.6
87	27.8	23.0	34.4
59	11.3	9.4	14.2





#23

Vinyl Acetate

Concen: 340.45 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1408646

Ion Ratio Lower Upper

43 100

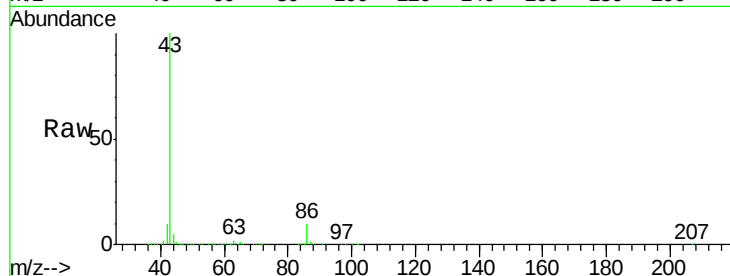
86 9.9 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

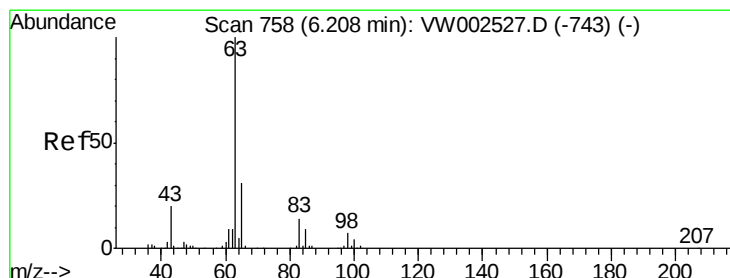
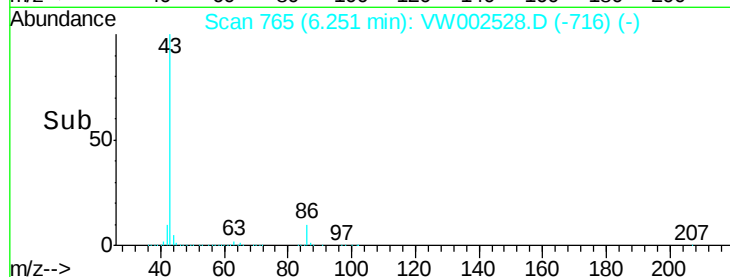
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 64.43 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

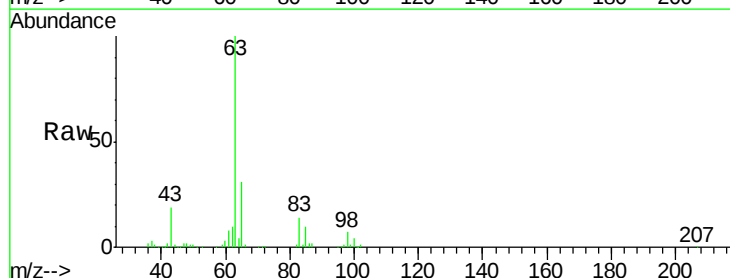
Tgt Ion: 63 Resp: 268043

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 3.9 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

120000

100000

80000

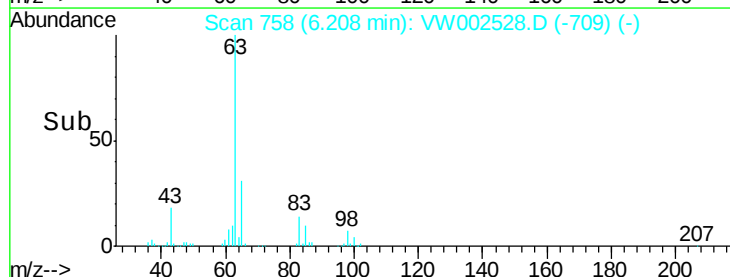
60000

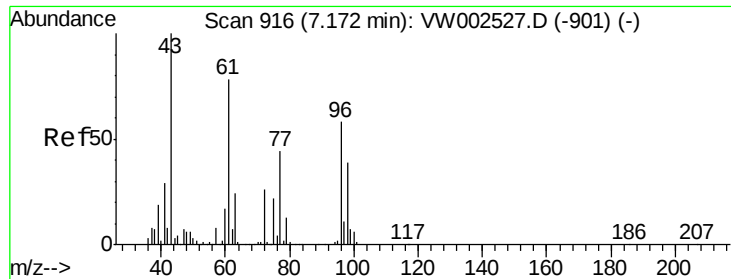
40000

20000

0

Time-->





#25

2-Butanone

Concen: 333.78 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion: 43 Resp: 247017

Ion Ratio Lower Upper

43 100

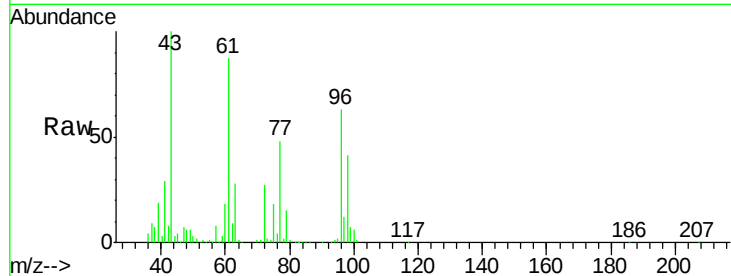
72 27.4 20.9 31.3

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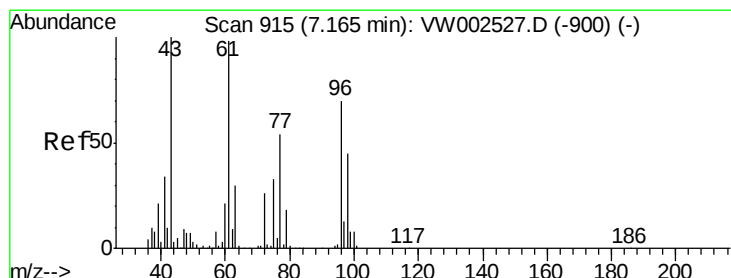
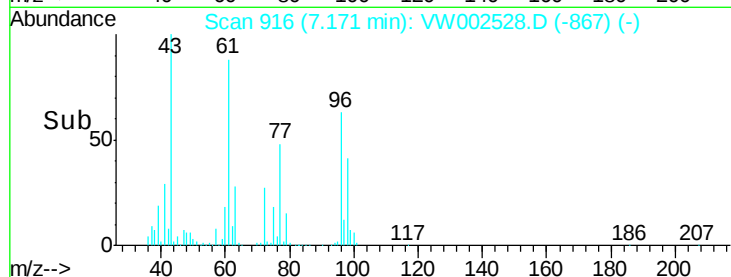
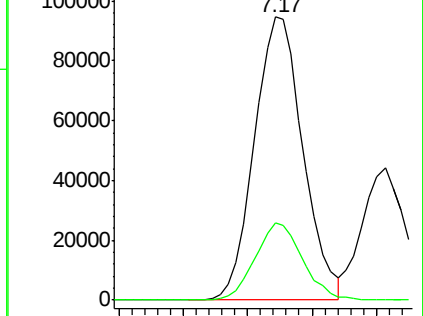
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 69.36 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002528.D

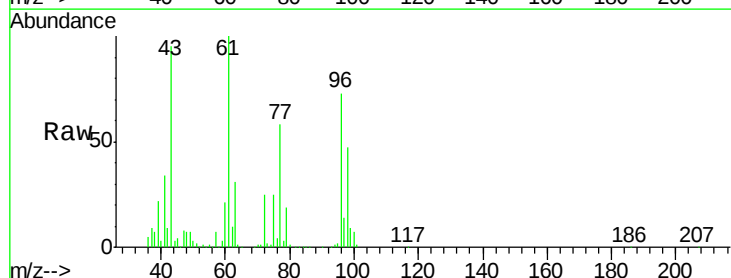
Acq: 14 May 2018 22:31

Tgt Ion: 77 Resp: 146257

Ion Ratio Lower Upper

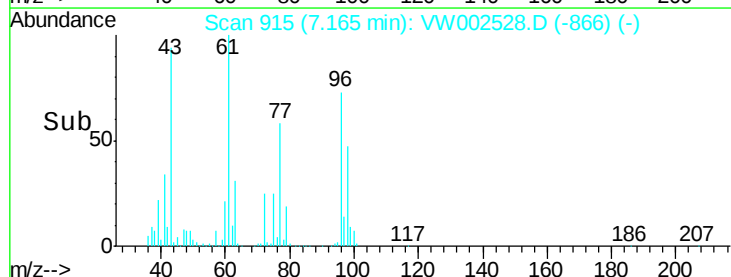
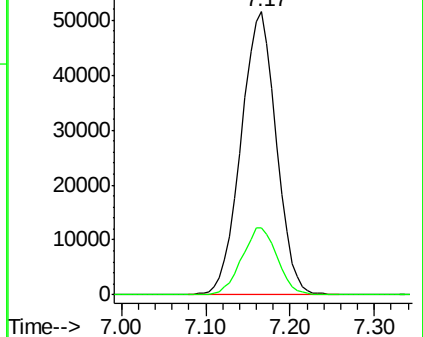
77 100

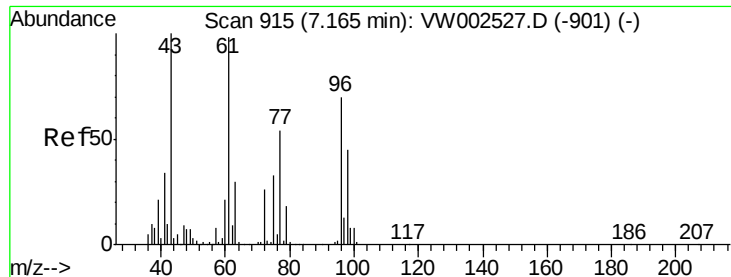
97 23.9 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

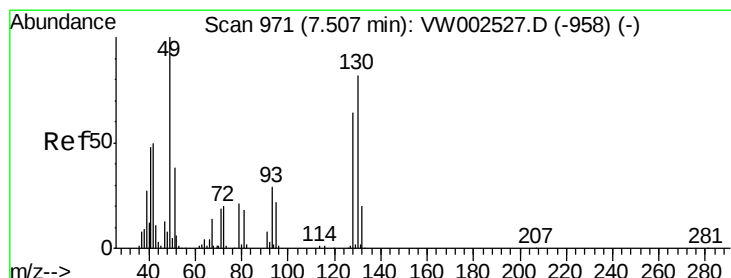
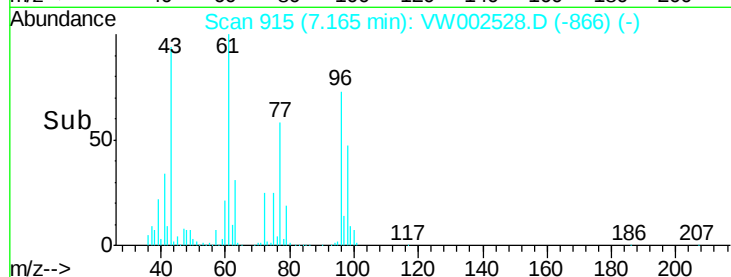
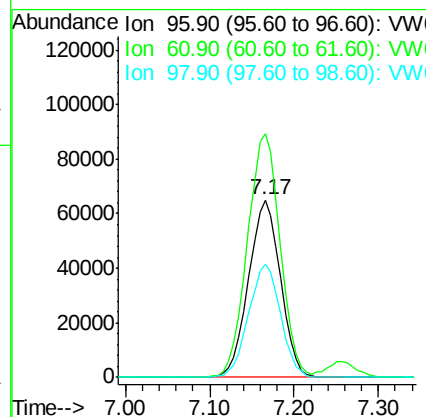
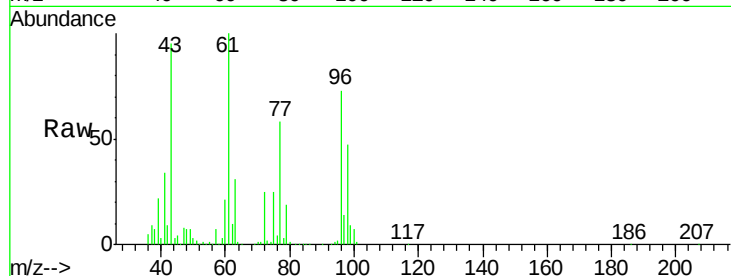
cis-1,2-Dichloroethene
 Concen: 64.54 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	167365		
61	140.4	0.0	281.6	
98	64.3	0.0	130.8	

Manual Integrations
 APPROVED

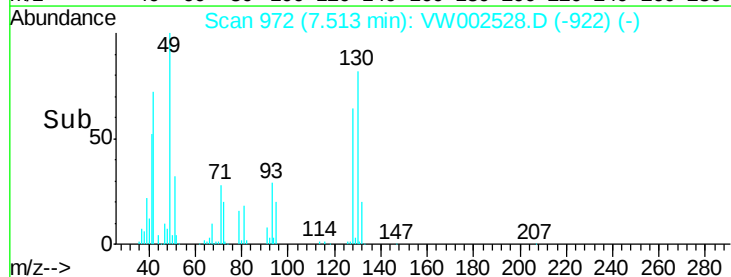
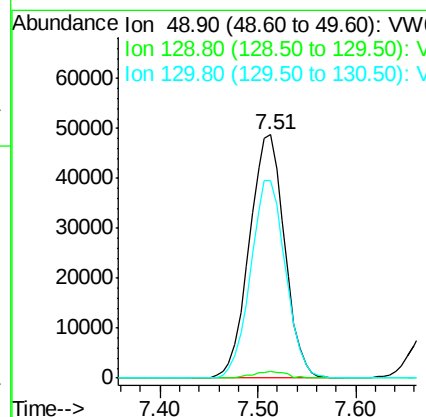
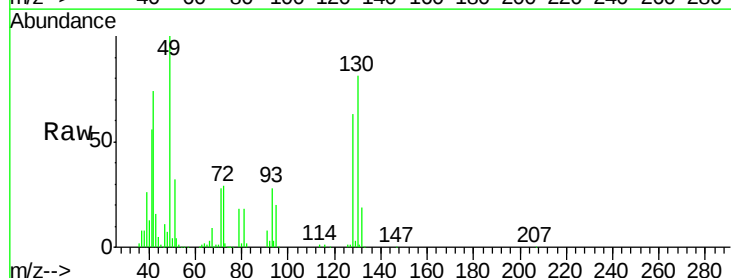
apatel
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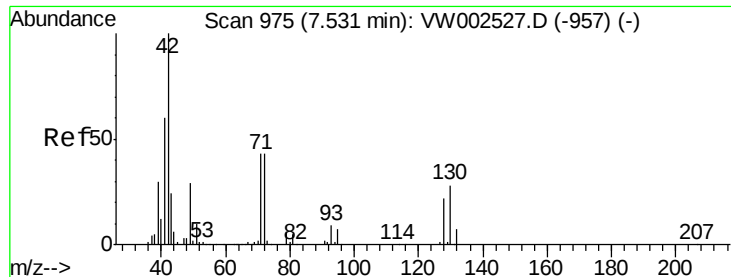


#28

Bromochloromethane
 Concen: 64.74 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122548		
129	2.4	0.0	4.4	
130	80.3	64.7	97.1	





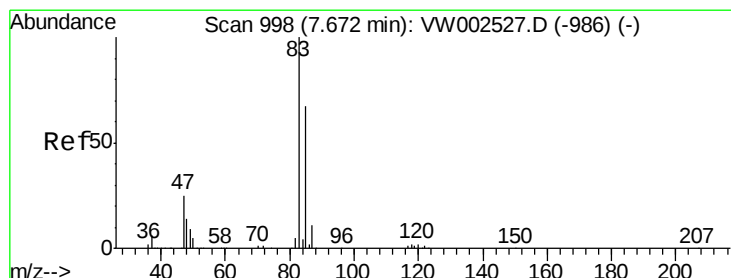
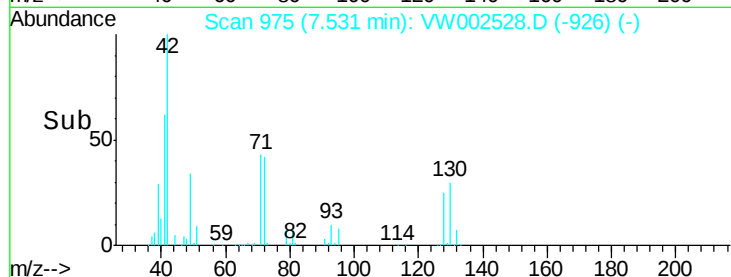
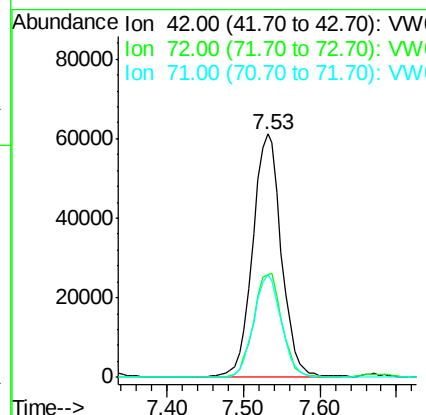
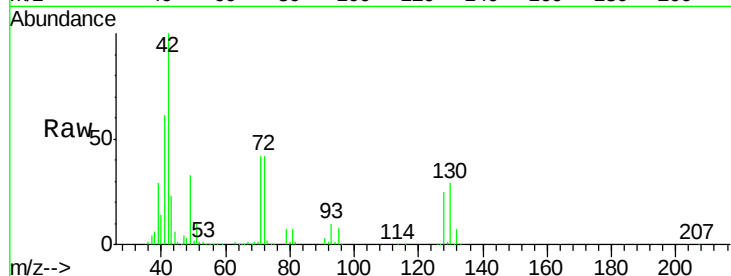
#29
Tetrahydrofuran
Concen: 332.31 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion:	42	Resp:	160462
Ion Ratio		Lower	Upper
42	100		
72	42.4	35.0	52.4
71	40.5	33.0	49.6

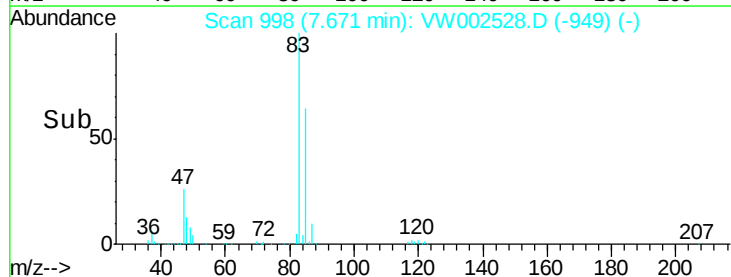
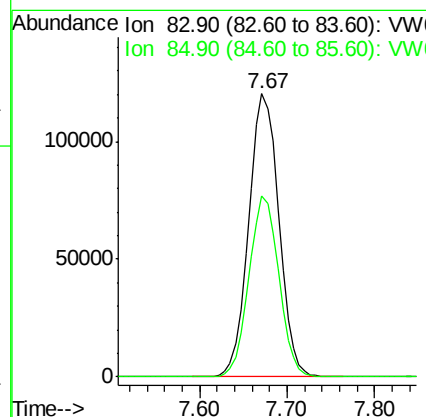
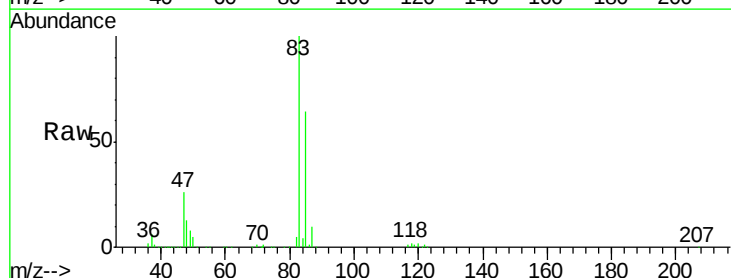
Manual Integrations
APPROVED

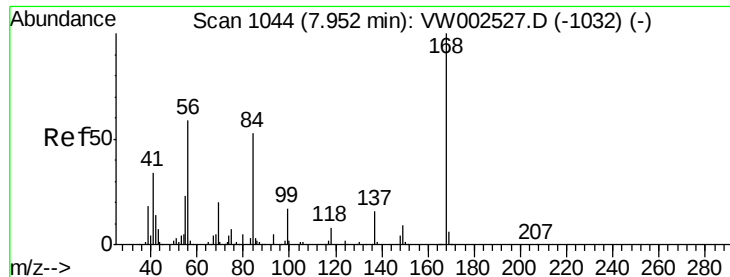
apatel
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#30
Chloroform
Concen: 66.05 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion:	83	Resp:	288370
Ion Ratio		Lower	Upper
83	100		
85	63.9	53.9	80.9





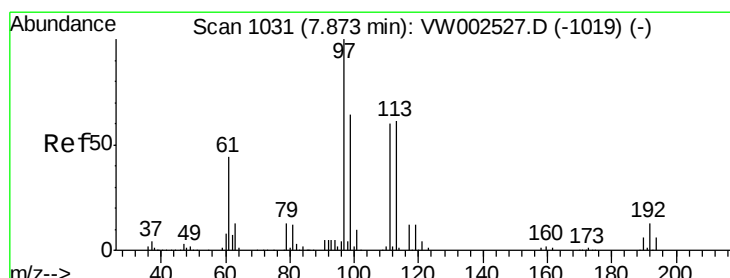
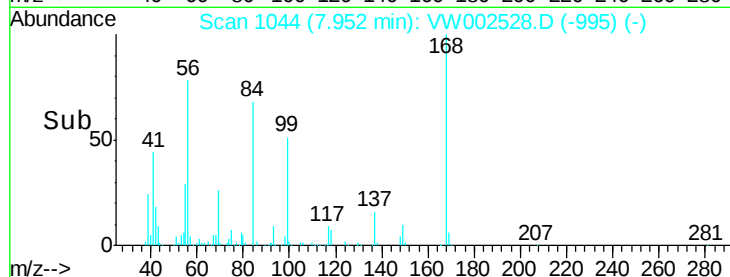
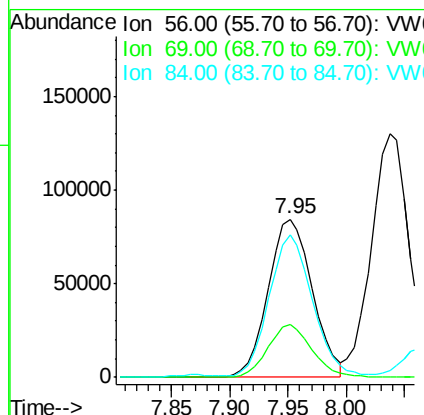
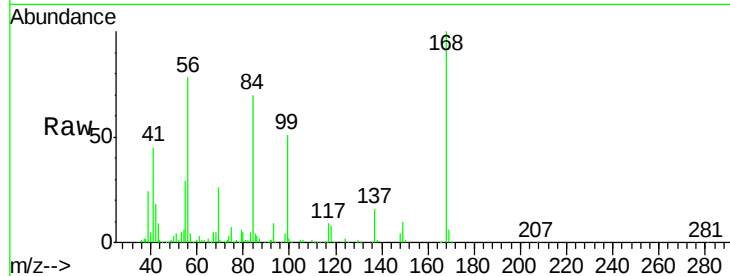
#31
Cyclohexane
Concen: 59.99 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.0	40.4
84	88.0	72.2	108.2

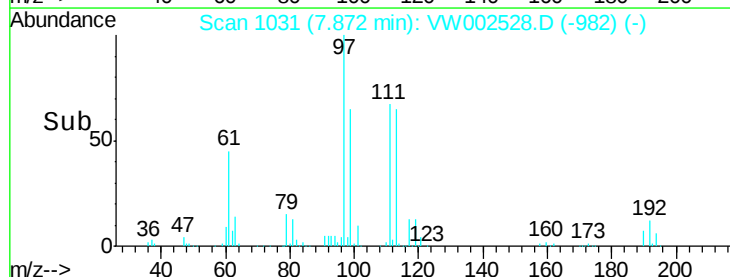
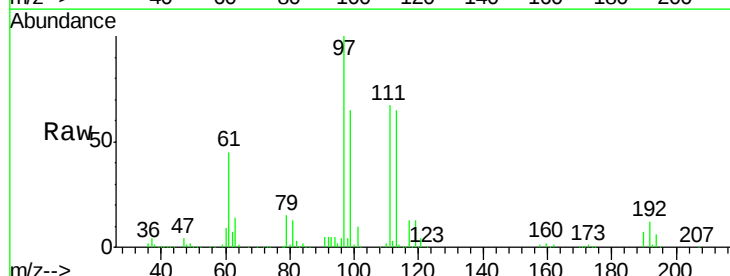
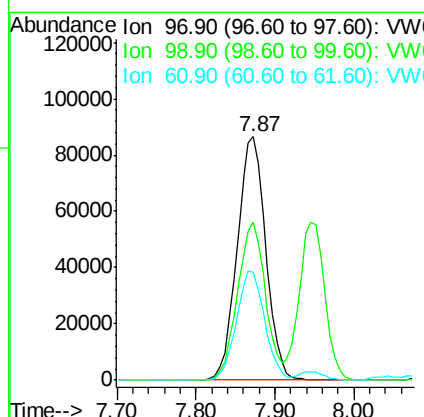
Manual Integrations
APPROVED

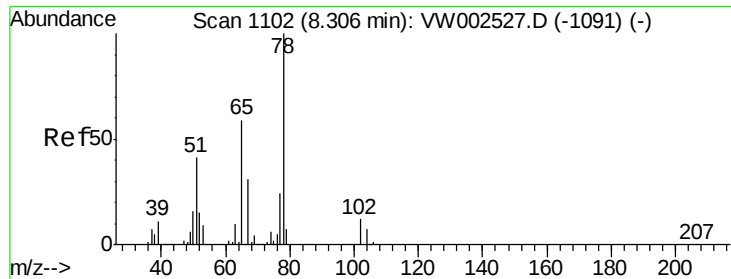
apatel
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#32
1,1,1-Trichloroethane
Concen: 66.08 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.1	76.7
61	44.8	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 71.42 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion: 65 Resp: 179383

Ion Ratio Lower Upper

65 100

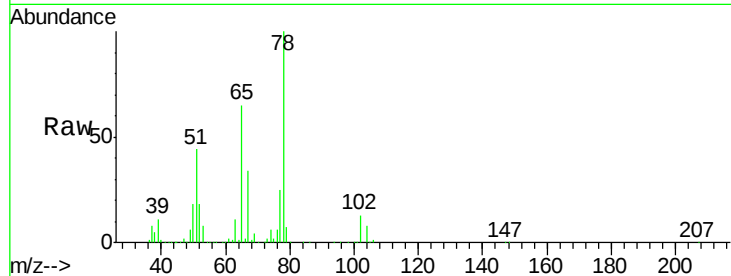
67 51.7 0.0 104.4

Manual Integrations

APPROVED

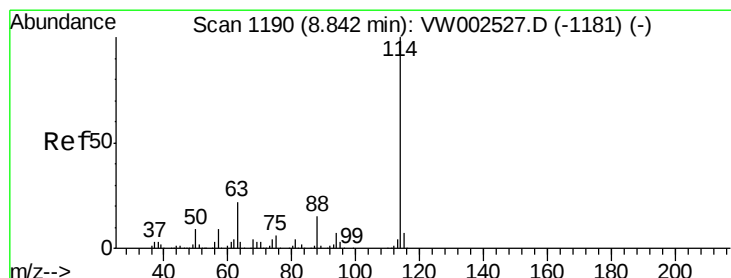
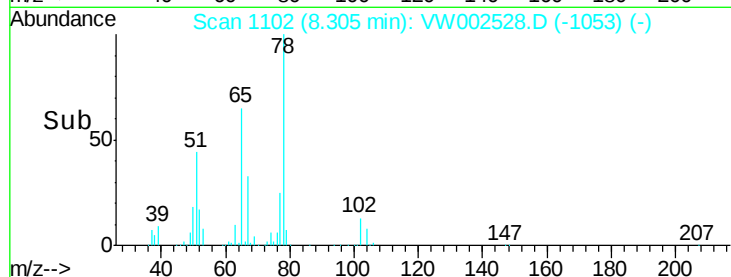
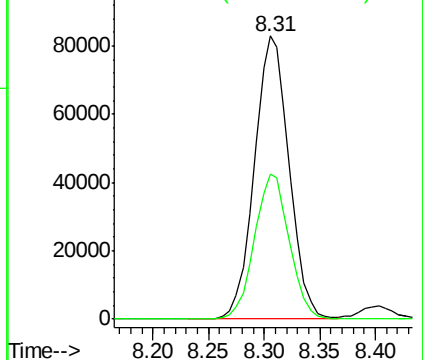
apatel

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

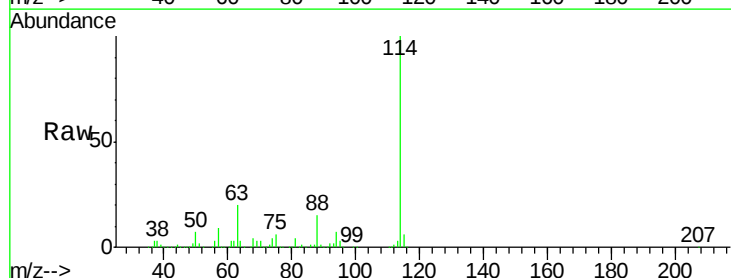
Tgt Ion: 114 Resp: 357929

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

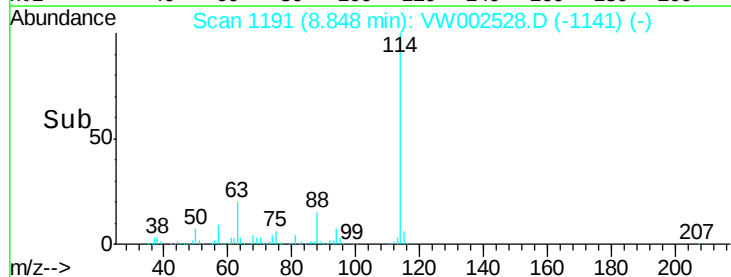
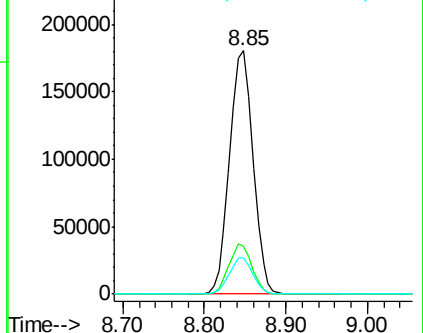
88 15.0 0.0 29.2

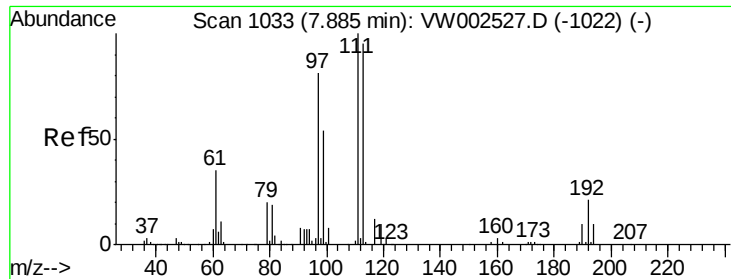


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





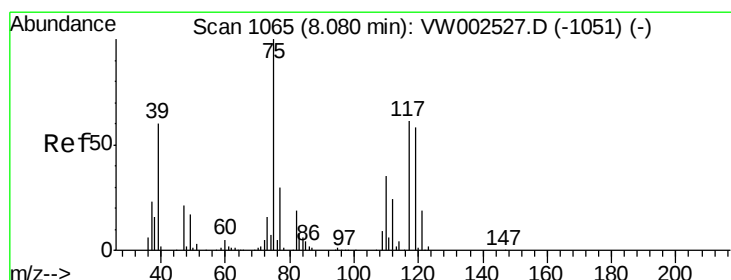
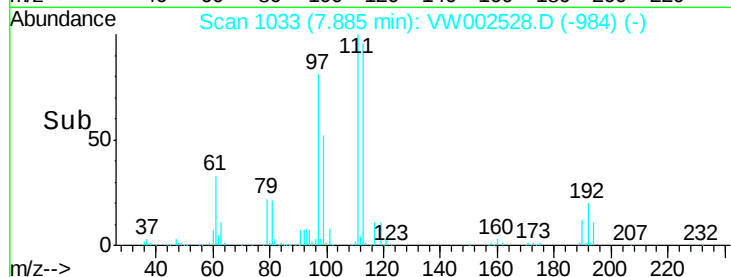
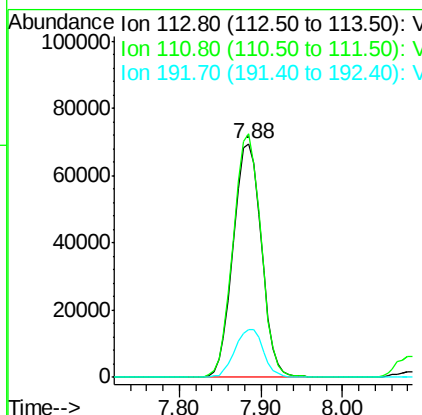
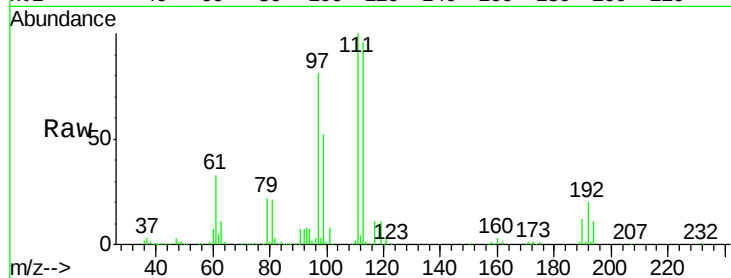
#35
Dibromofluoromethane
Concen: 72.95 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166249		
111	102.6	81.8	122.8	
192	20.6	17.5	26.3	

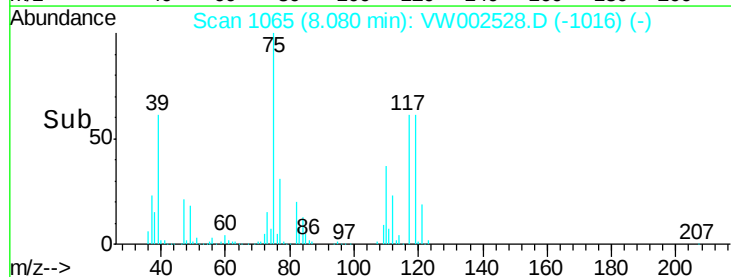
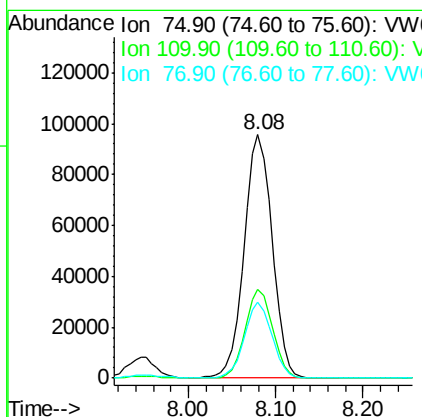
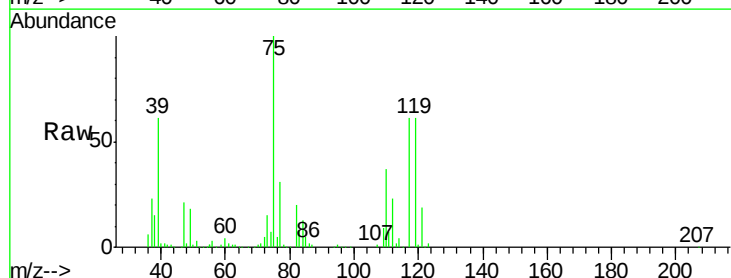
Manual Integrations
APPROVED

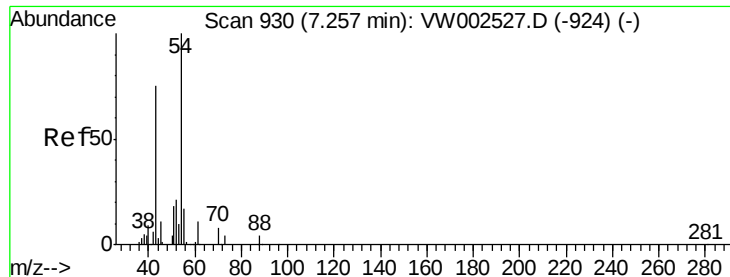
apatel
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#36
1,1-Dichloropropene
Concen: 66.28 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213974		
110	35.6	17.8	53.5	
77	30.7	24.5	36.7	





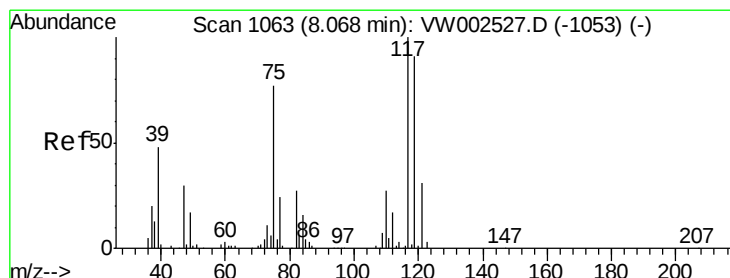
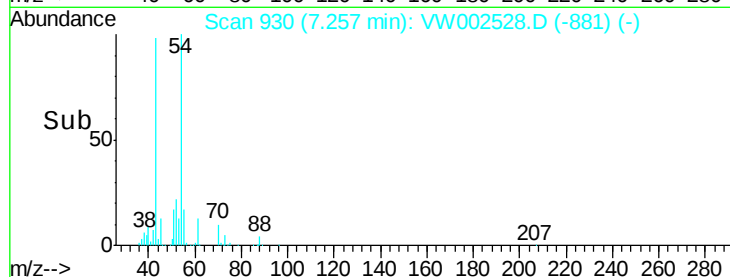
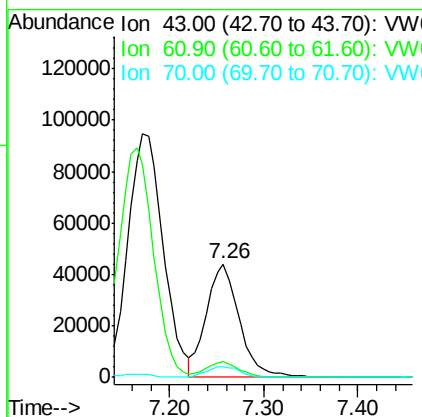
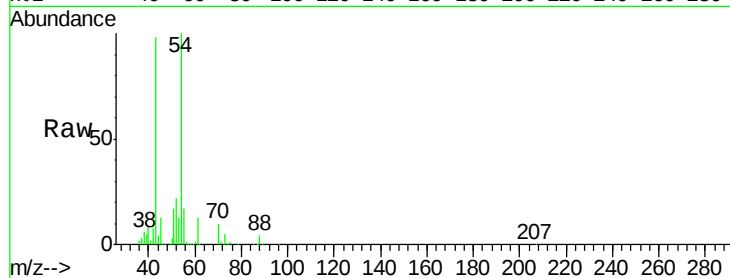
#37
Ethyl Acetate
Concen: 66.84 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	9.7	7.8	11.8

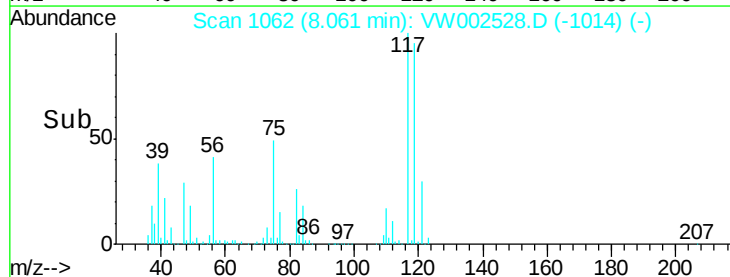
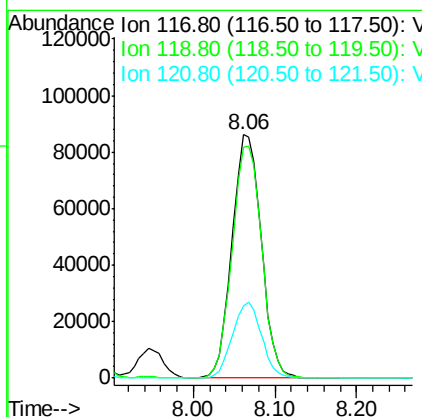
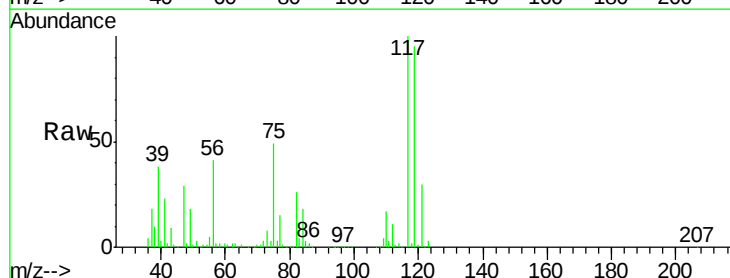
Manual Integrations
APPROVED

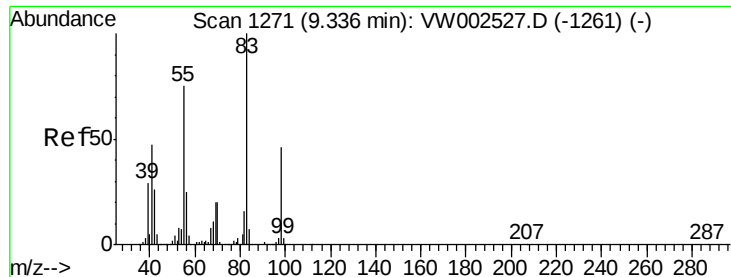
apatel
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#38
Carbon Tetrachloride
Concen: 67.84 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.1	109.7
121	29.5	24.4	36.6





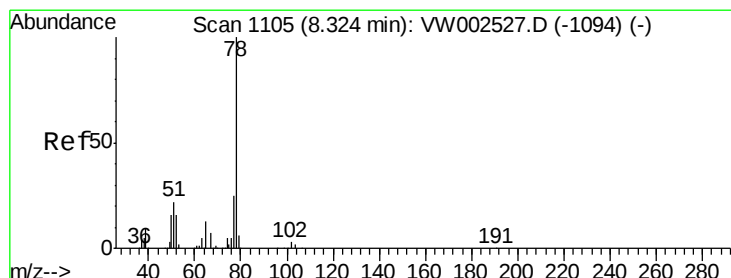
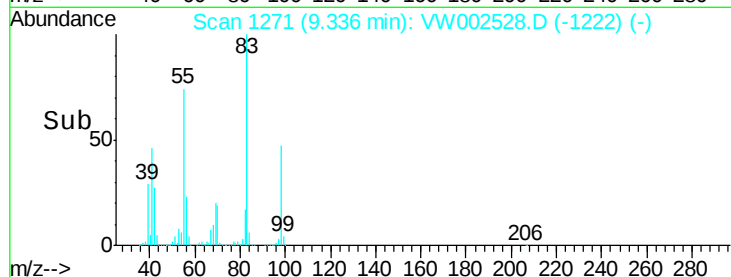
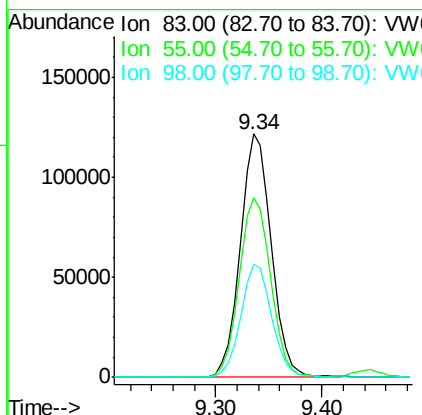
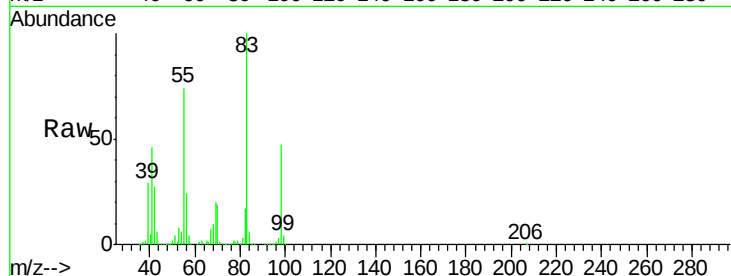
#39
Methvlcvclohexane
Concen: 66.31 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	60.0	90.0
98	46.5	37.0	55.4

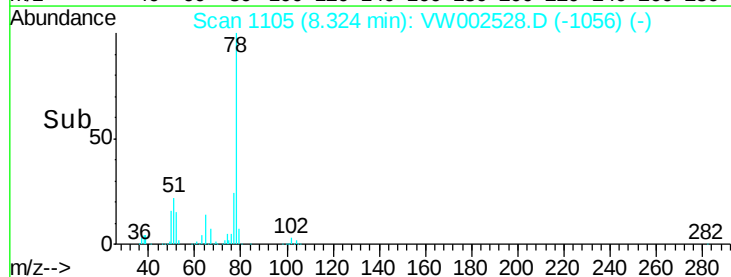
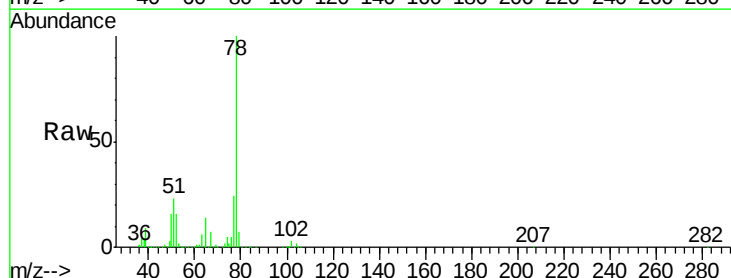
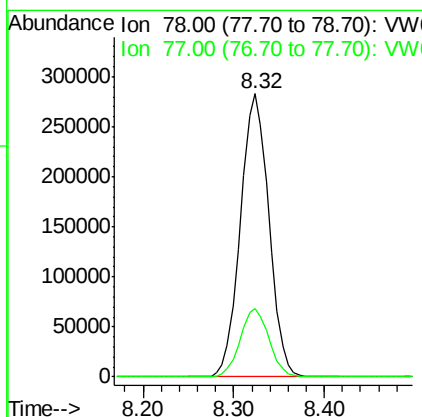
Manual Integrations
APPROVED

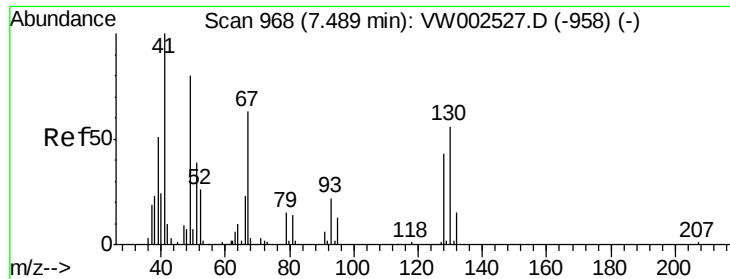
apatel
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#40
Benzene
Concen: 65.39 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9





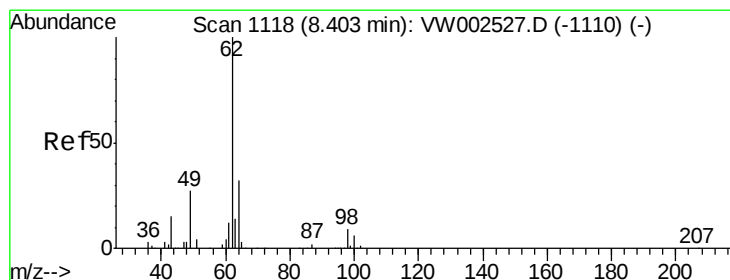
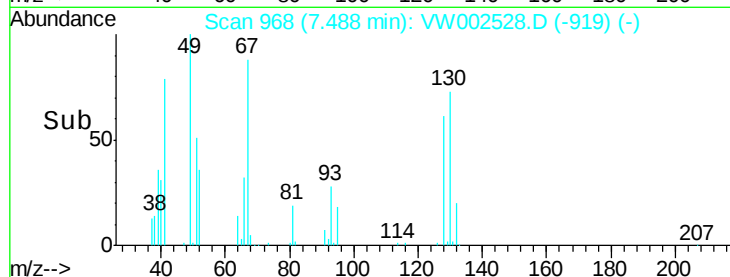
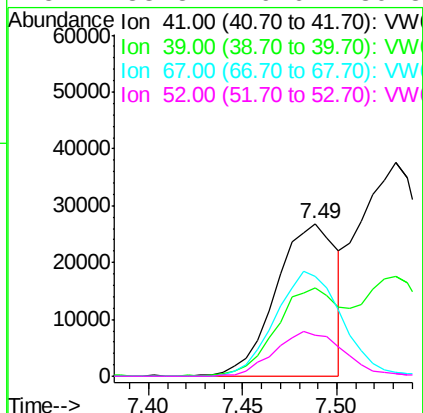
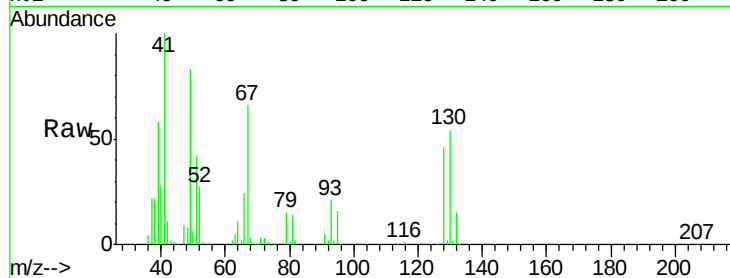
#41
Methacrylonitrile
Concen: 67.28 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.4	51.8	77.8
67	76.1	59.9	89.9
52	33.8	26.6	39.8

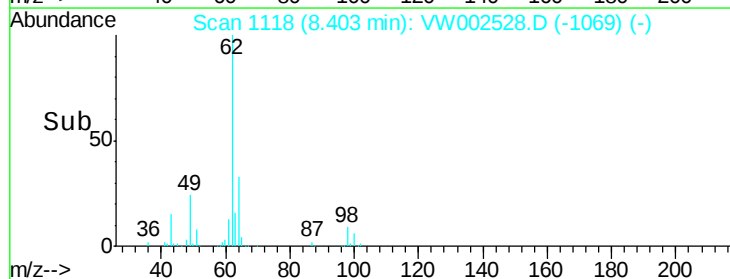
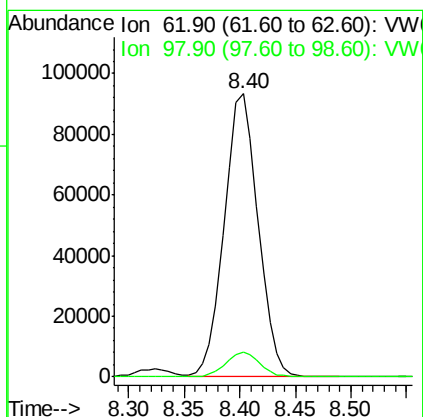
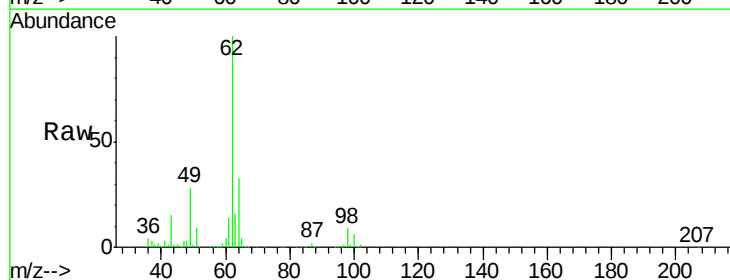
Manual Integrations
APPROVED

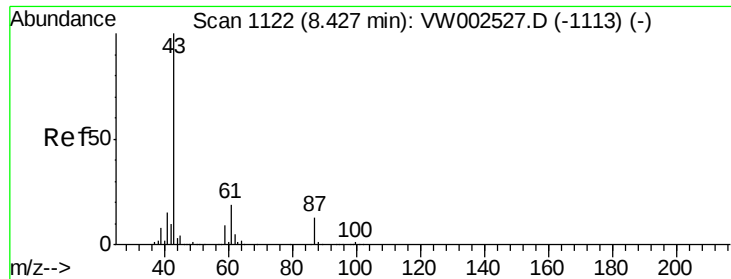
apatel
5/15/2018 6:11:34 PM



#42
1,2-Dichloroethane
Concen: 67.01 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 69.16 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

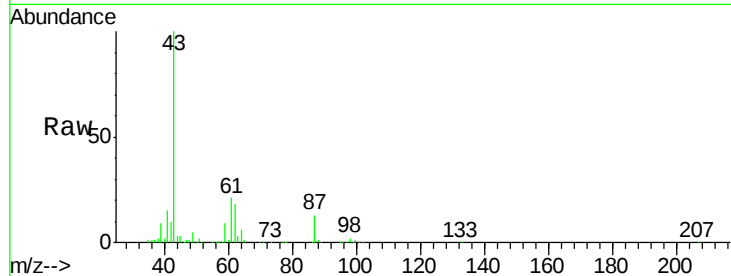
ClientSampleId :

VSTDIC075

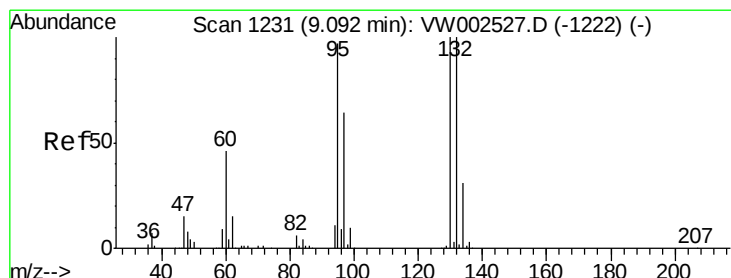
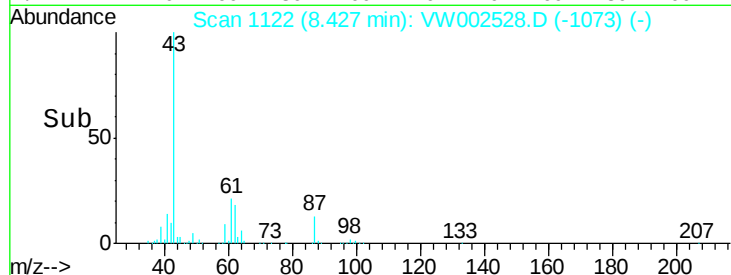
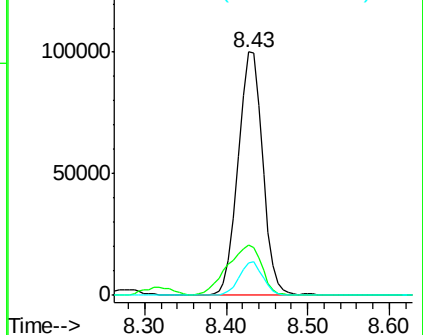
Tot Ion:	43	Resp:	208296
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.0	34.6
87	13.2	10.6	15.8

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



#44

Trichloroethene

Concen: 65.69 ug/l

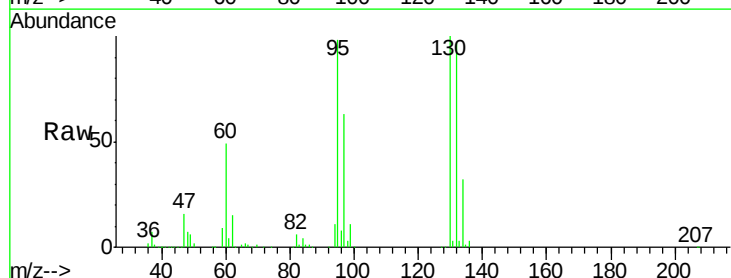
RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

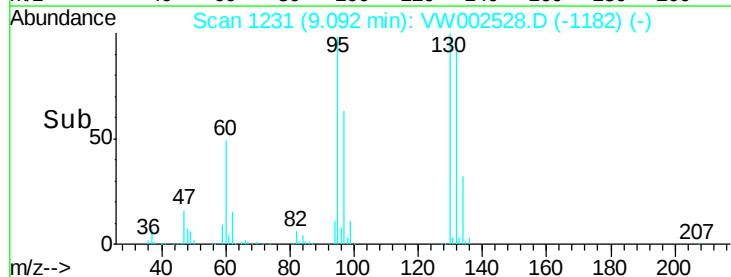
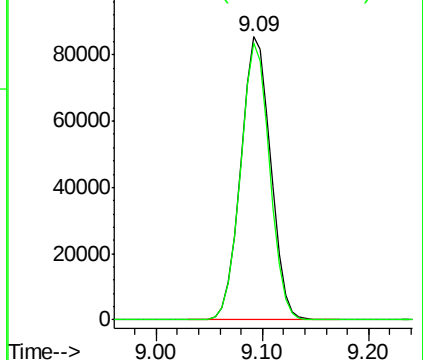
Lab File: VW002528.D

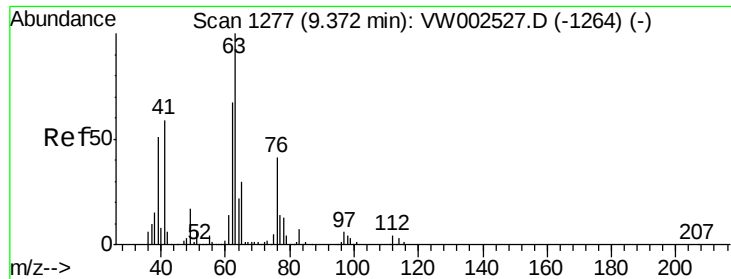
Acq: 14 May 2018 22:31

Tgt Ion:	130	Resp:	168636
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	194.6



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





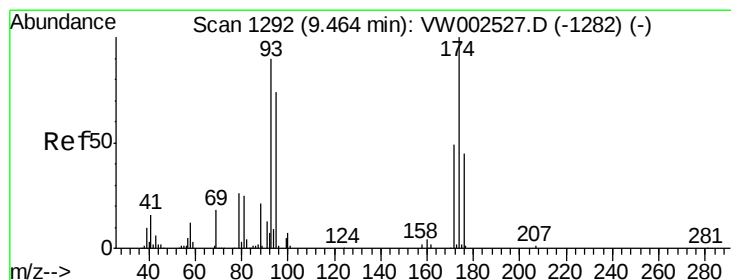
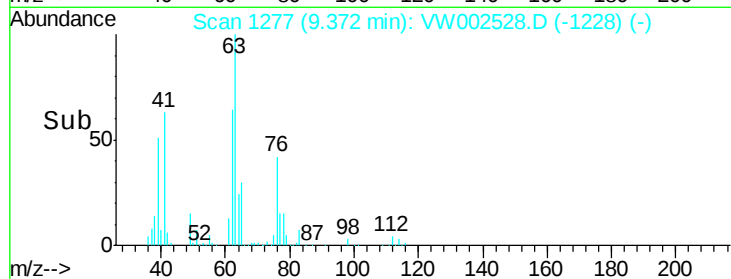
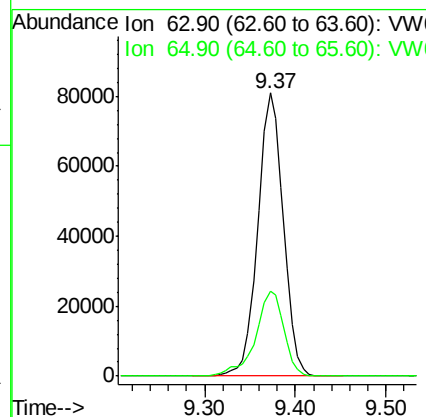
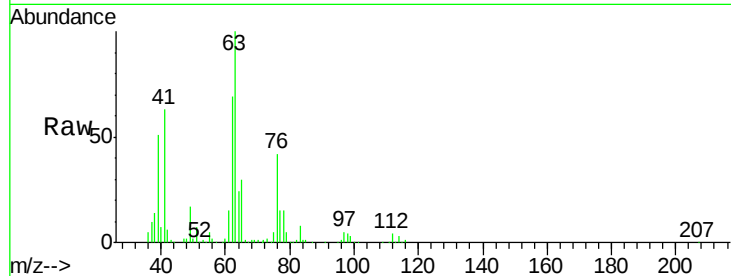
#45
 1,2-Dichloropropane
 Concen: 66.50 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.1	24.4	36.6	

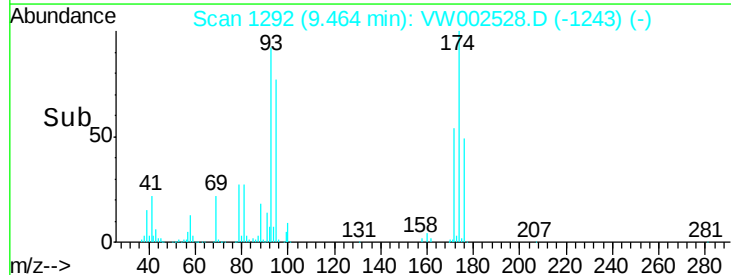
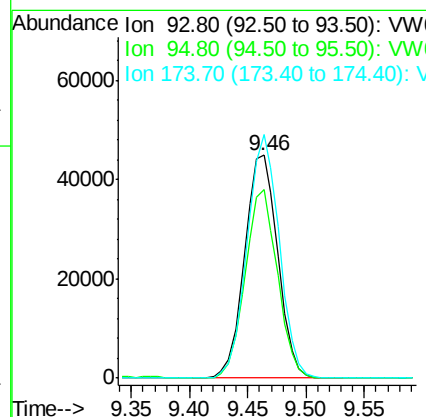
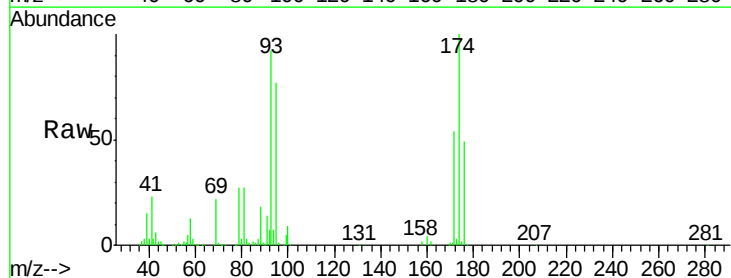
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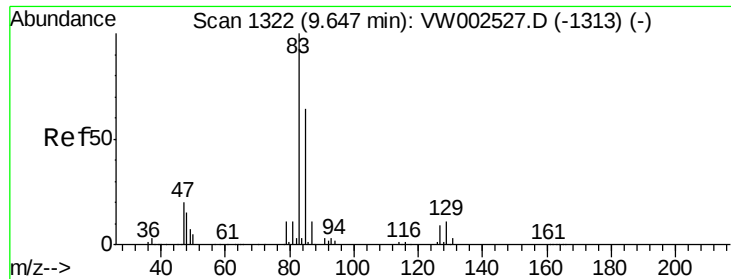
apatel
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#46
 Dibromomethane
 Concen: 67.34 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	82.3	66.6	100.0	
174	105.8	84.0	126.0	





#47

Bromodichloromethane

Concen: 69.86 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

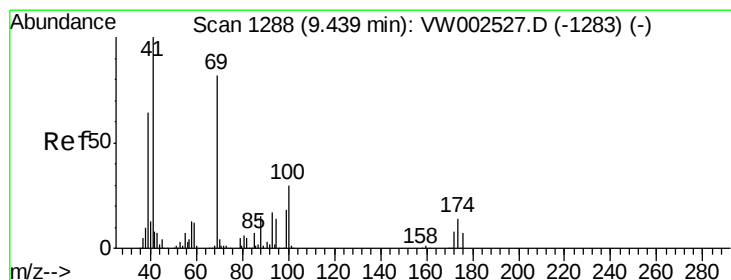
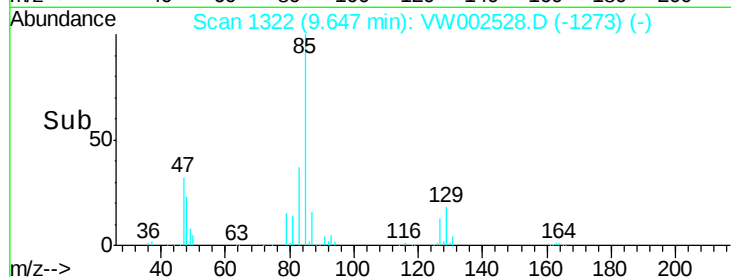
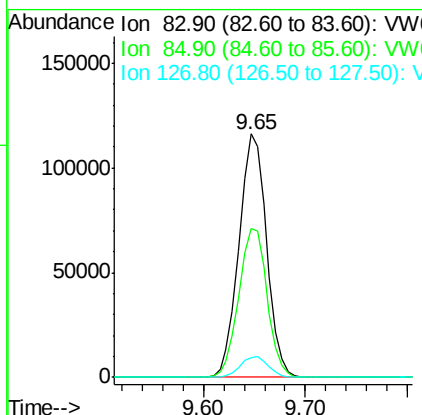
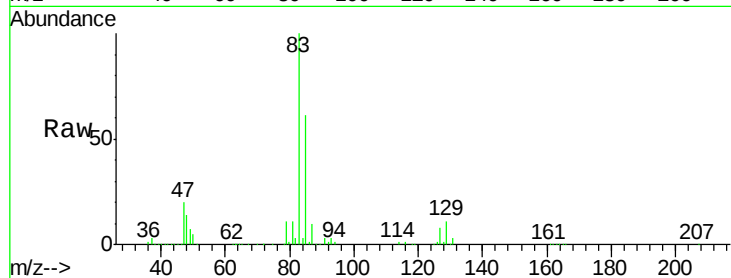
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	218119
Ion Ratio	Lower	Upper	
83	100		
85	61.2	51.4	77.2
127	8.2	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 70.14 ug/l

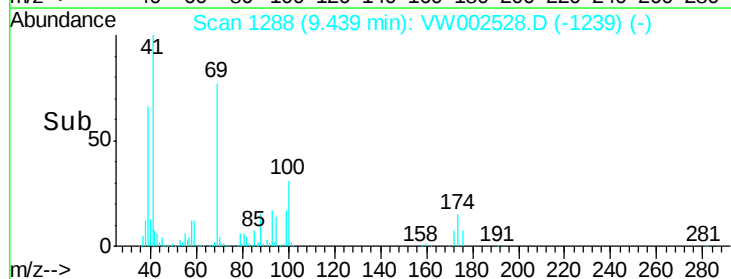
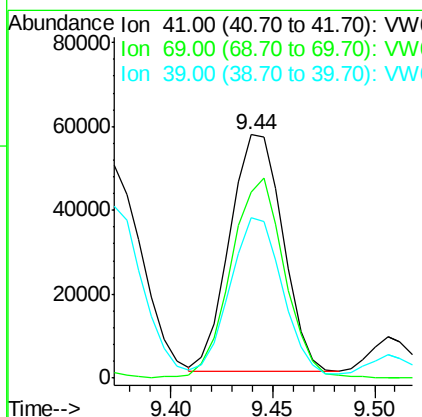
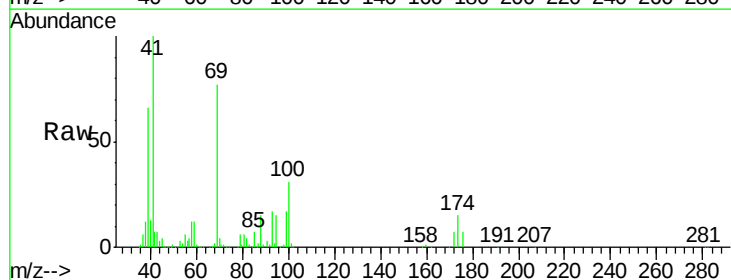
RT: 9.44 min Scan# 1288

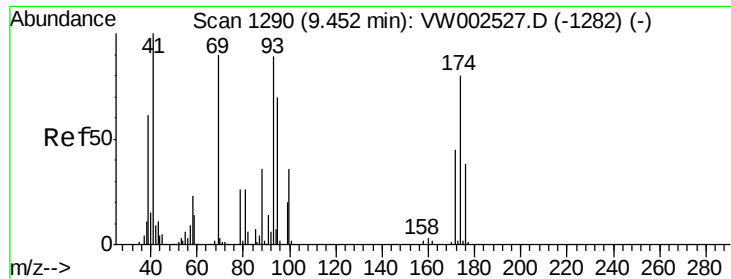
Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion:	41	Resp:	102398
Ion Ratio	Lower	Upper	
41	100		
69	84.8	69.7	104.5
39	68.1	55.0	82.4





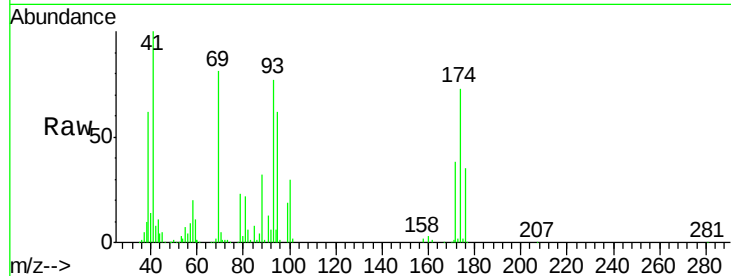
#49
 1,4-Dioxane
 Concen: 1364.41 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion	88	Resp	29187
Ion Ratio	Lower	Upper	
88	100		
43	31.0	27.0	40.4
58	67.9	56.9	85.3

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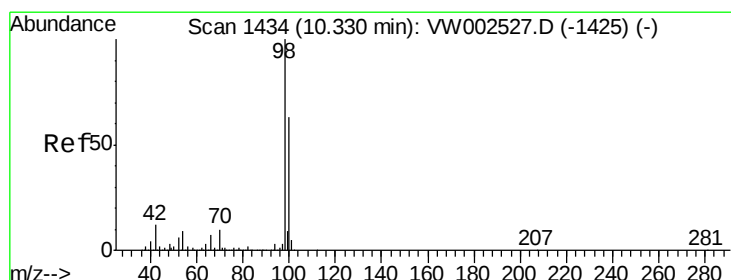
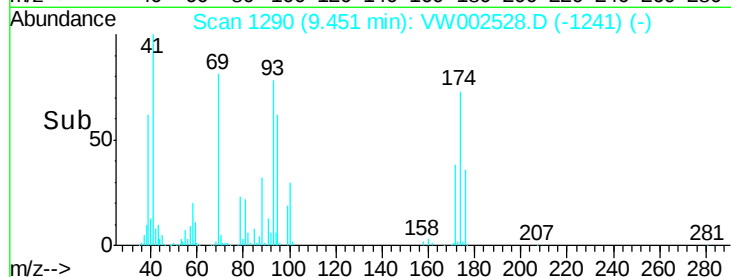
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

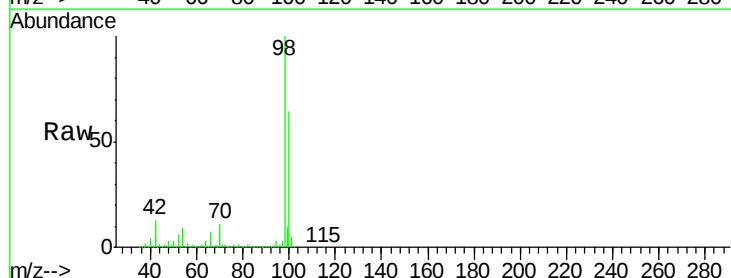
Ion 58.00 (57.70 to 58.70): VW

Time-->



#50
 Toluene-d8
 Concen: 72.96 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion	98	Resp	635539
Ion Ratio	Lower	Upper	
98	100		
100	63.9	51.0	76.4

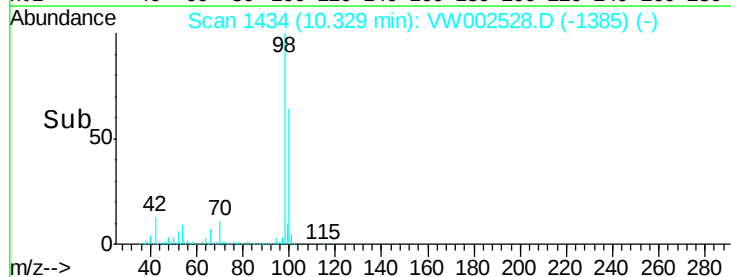


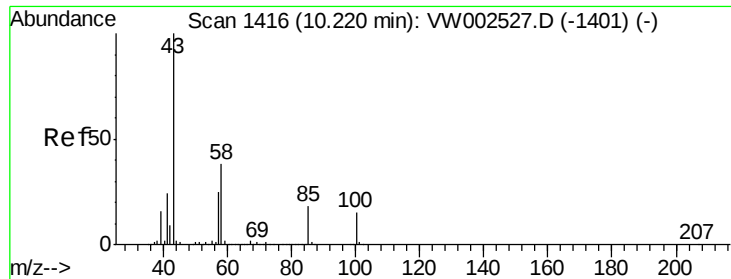
Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->





#51

4-Methyl-2-Pentanone

Concen: 343.39 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 572914

Ion Ratio Lower Upper

43 100

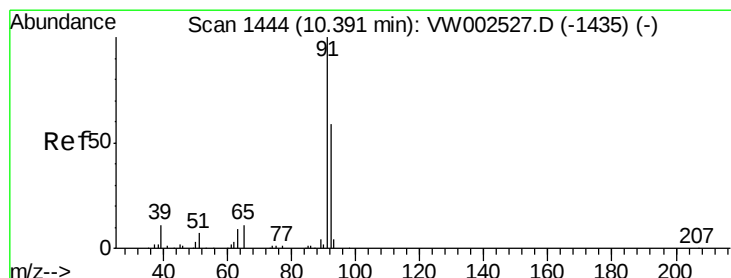
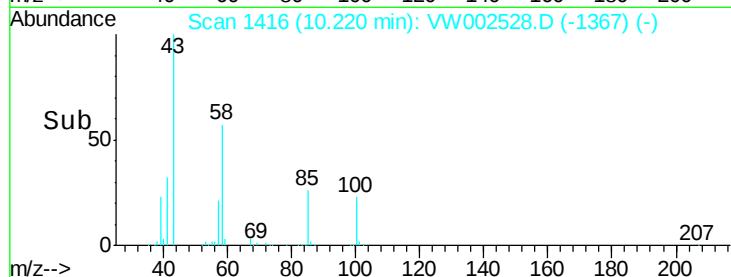
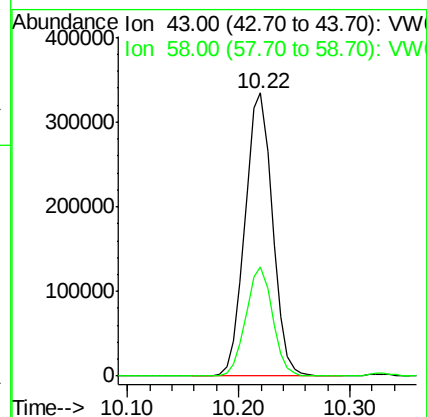
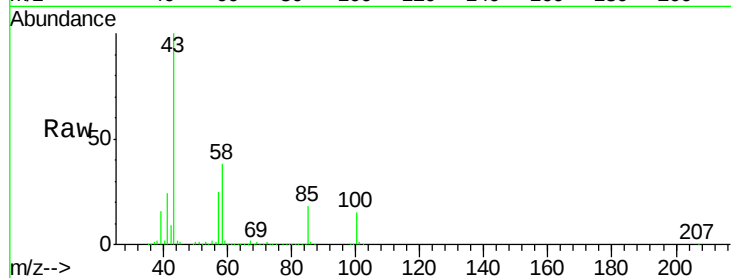
58 37.5 30.1 45.1

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#52

Toluene

Concen: 66.37 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW002528.D

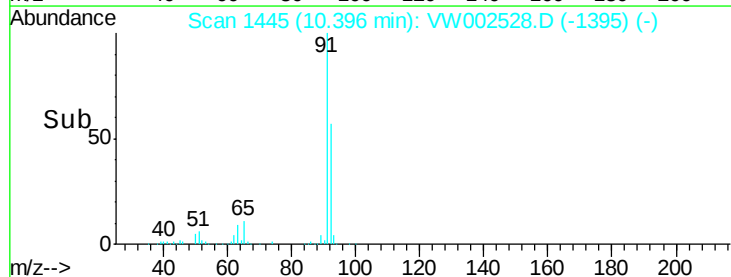
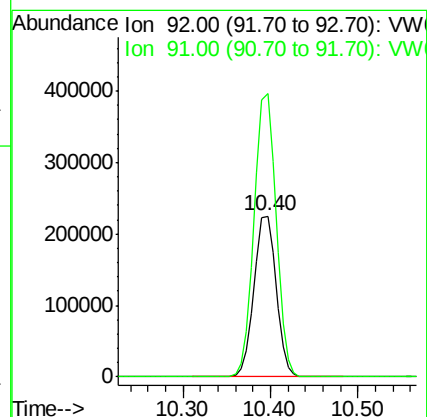
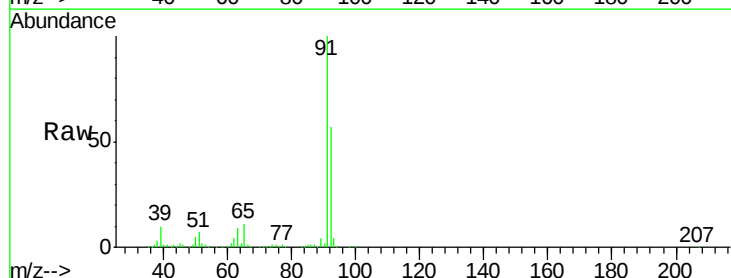
Acq: 14 May 2018 22:31

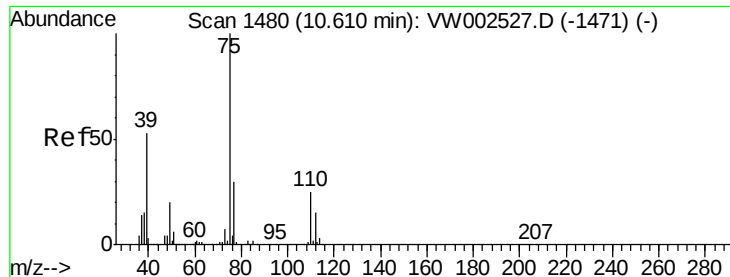
Tgt Ion: 92 Resp: 395771

Ion Ratio Lower Upper

92 100

91 175.1 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 71.12 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion: 75 Resp: 220088

Ion Ratio Lower Upper

75 100

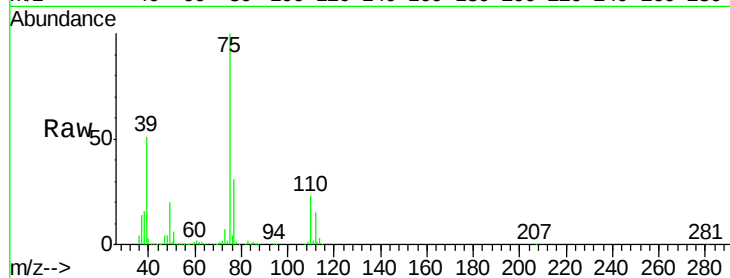
77 31.3 24.1 36.1

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

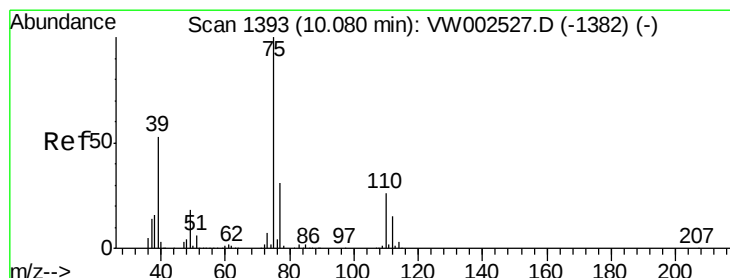
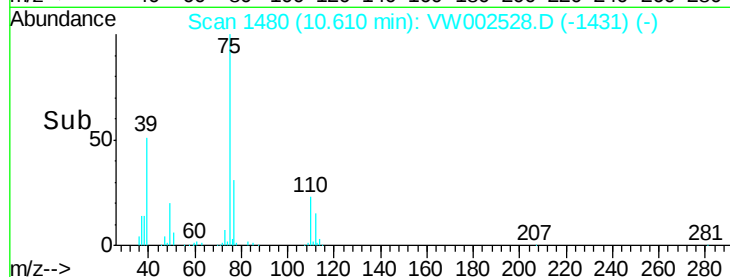
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 69.62 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

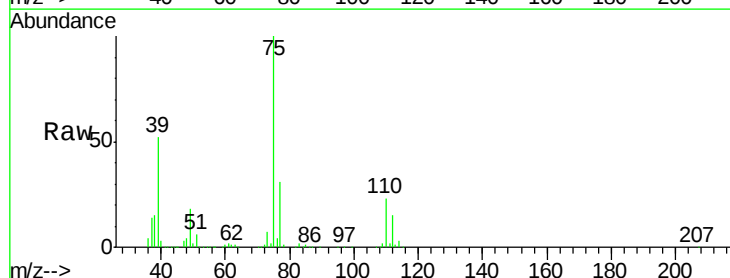
Tgt Ion: 75 Resp: 244738

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

39 51.7 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

10.08

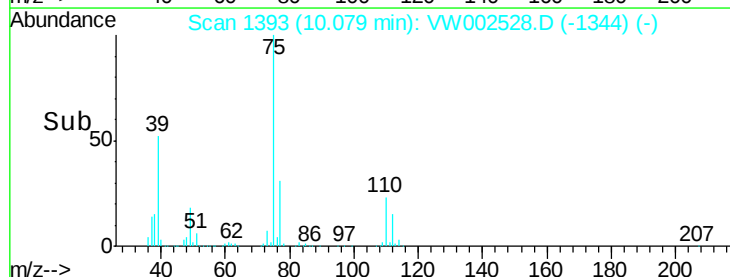
150000

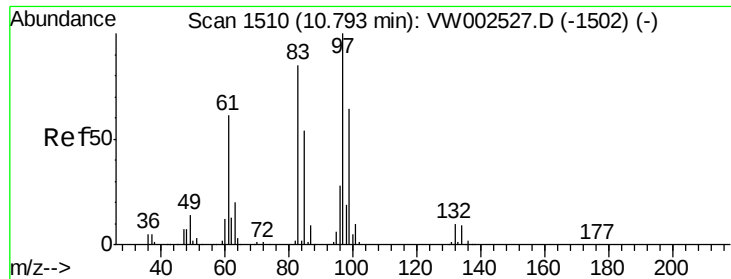
100000

50000

0

Time--> 10.00 10.05 10.10 10.15





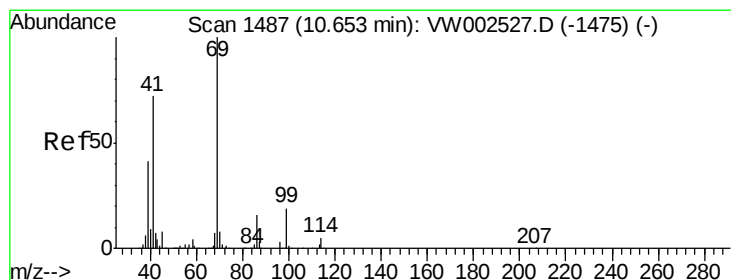
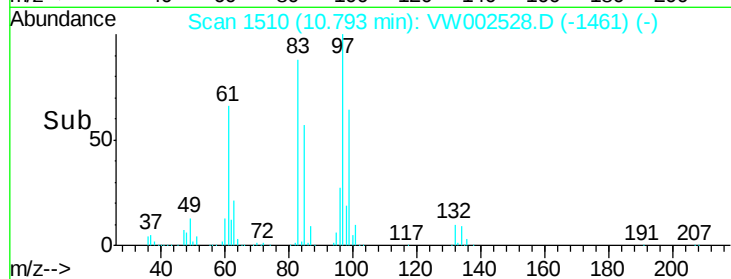
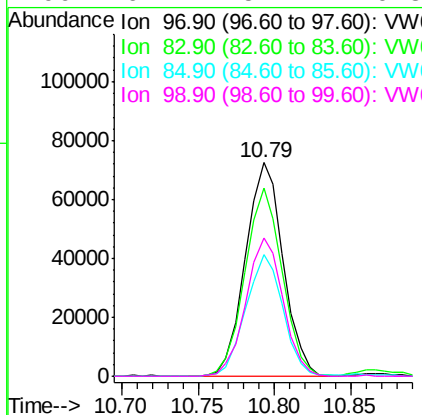
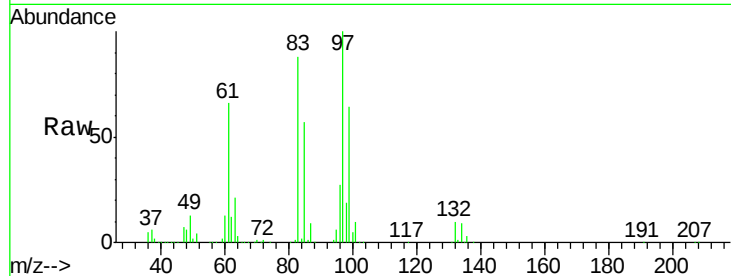
#55
 1,1,2-Trichloroethane
 Concen: 66.38 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	124053
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.1	102.1
85	57.1	43.6	65.4
99	64.4	51.2	76.8

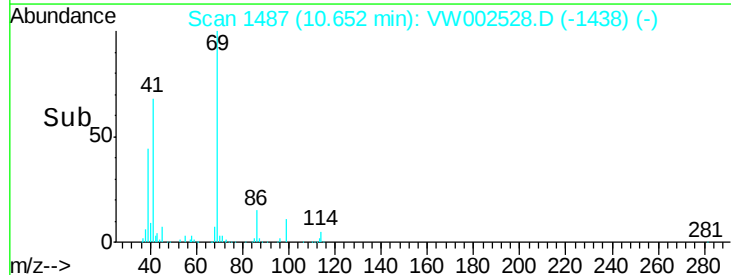
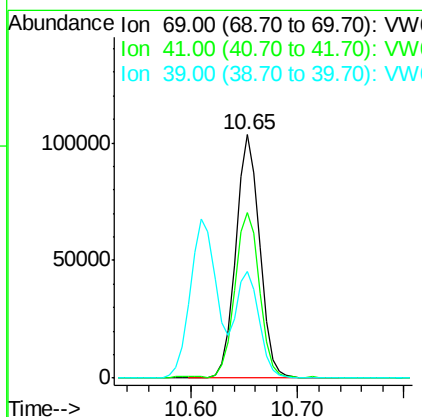
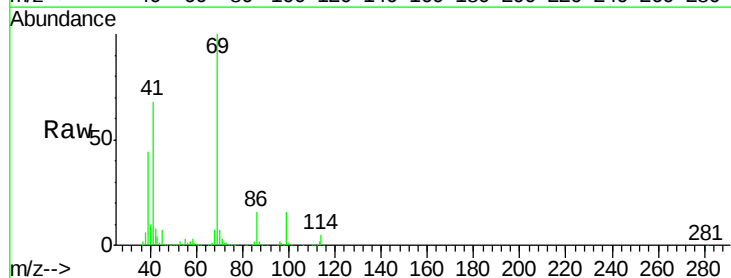
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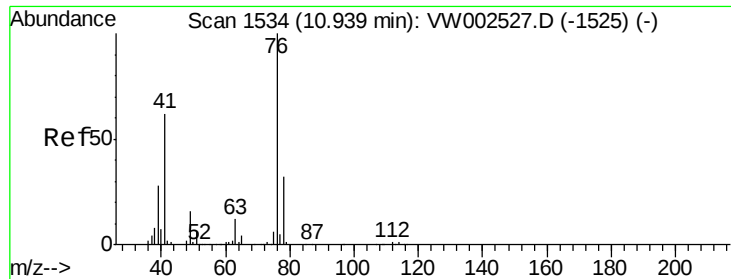
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#56
 Ethyl methacrylate
 Concen: 70.57 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion:	69	Resp:	163258
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.3	82.9
39	41.7	33.0	49.6





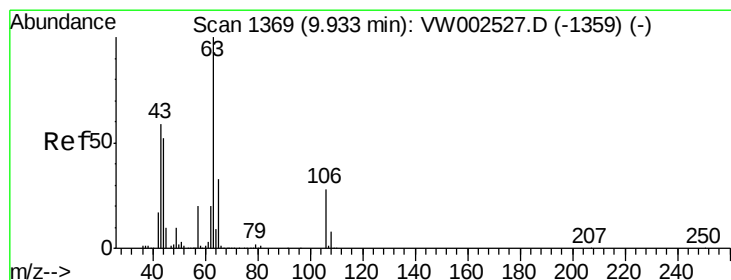
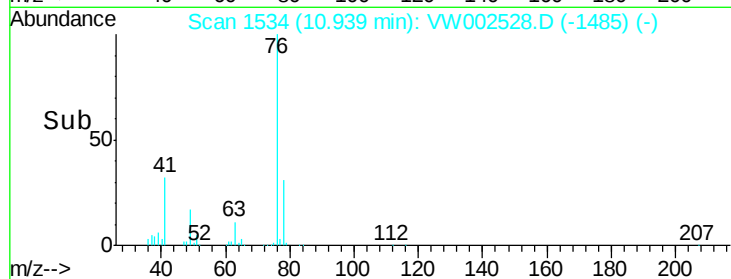
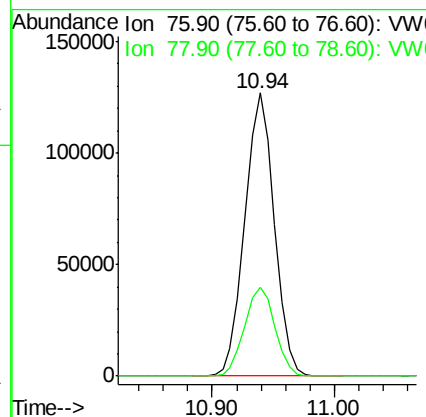
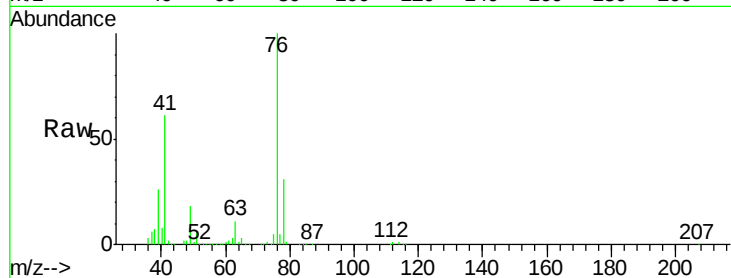
#57
 1,3-Dichloropropane
 Concen: 66.98 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.6	38.4

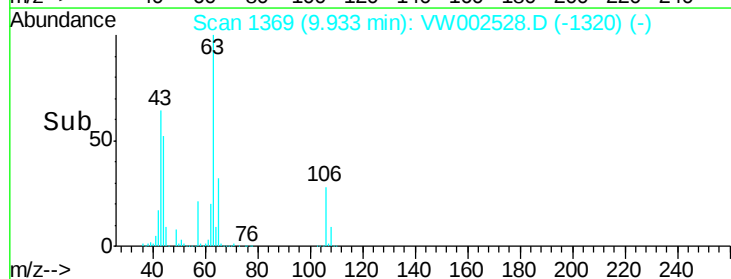
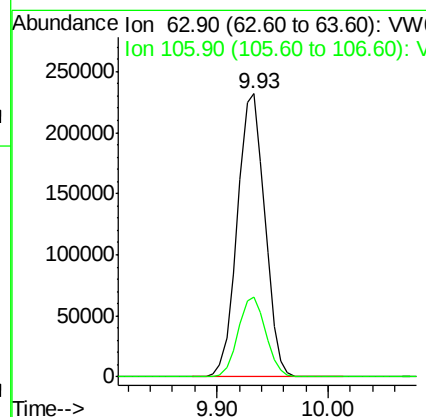
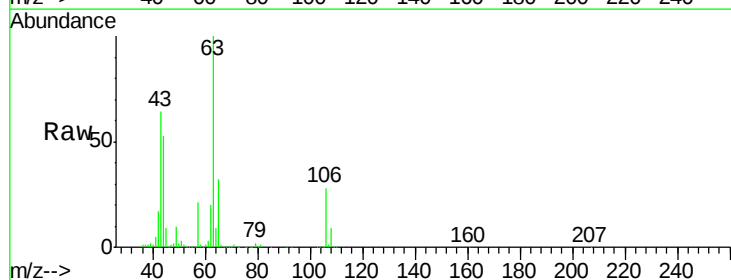
Manual Integrations
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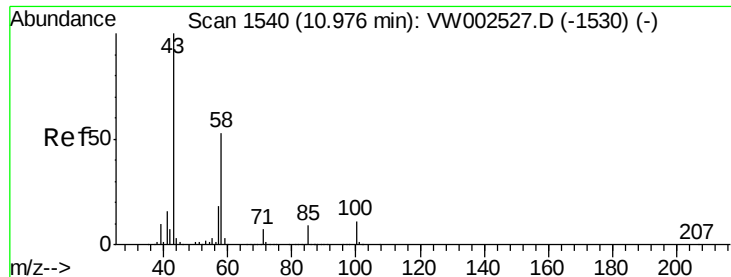
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 353.10 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.9	34.3





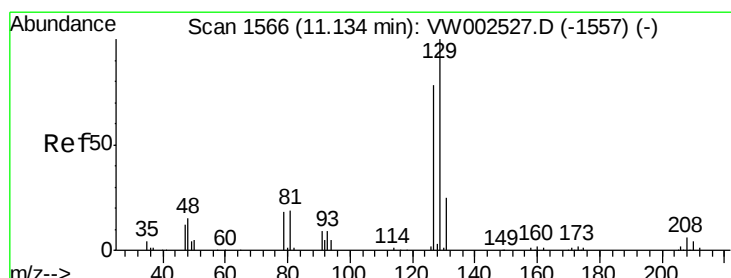
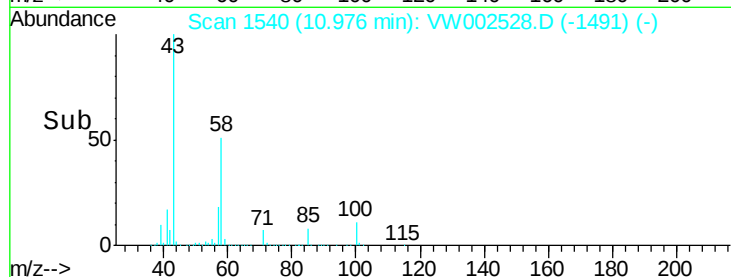
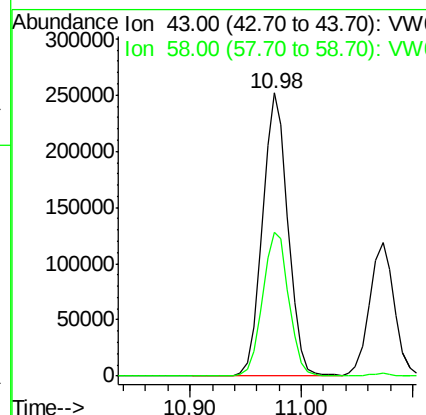
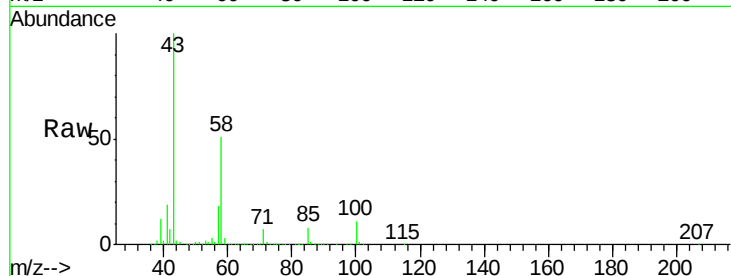
#59
2-Hexanone
Concen: 350.57 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 400769
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.8

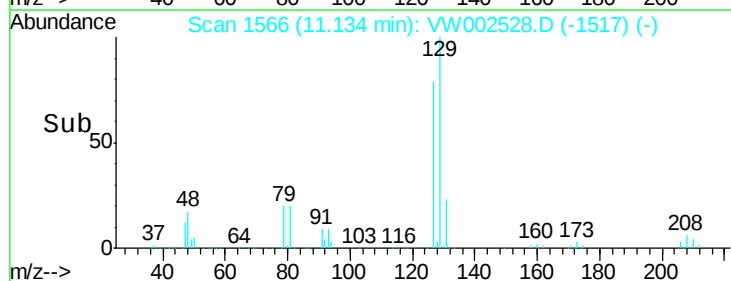
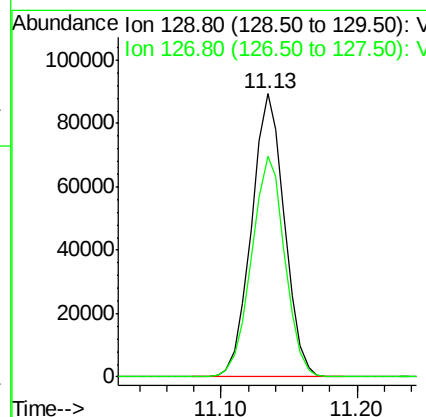
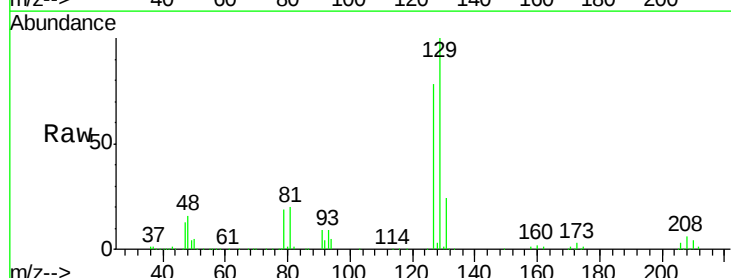
Manual Integrations
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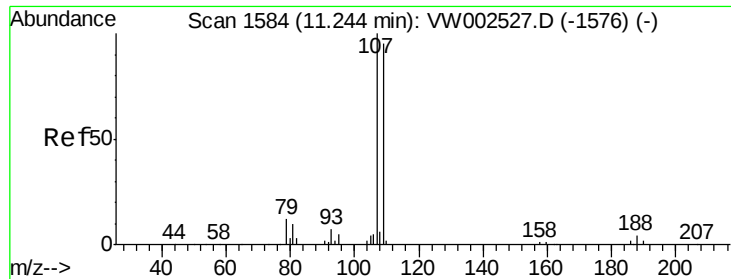
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#60
Dibromochloromethane
Concen: 68.85 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion: 129 Resp: 152019
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.7





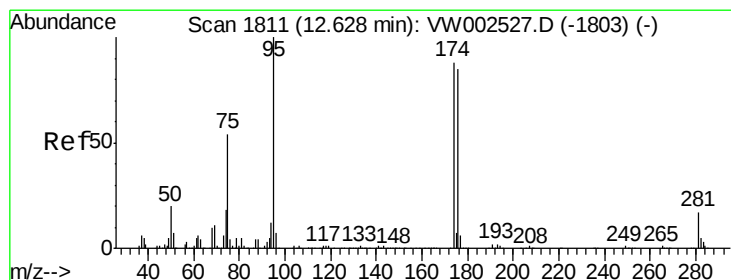
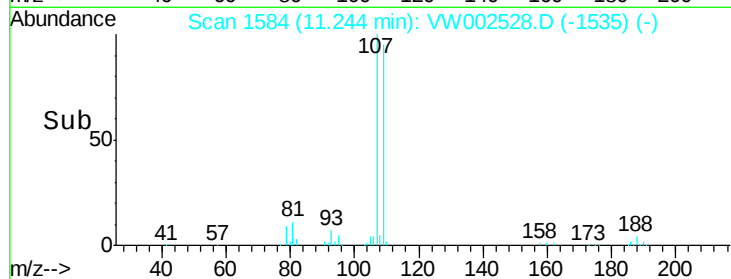
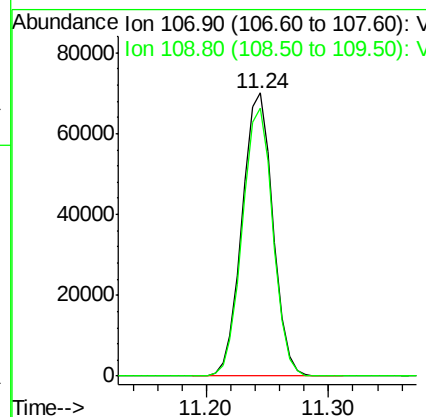
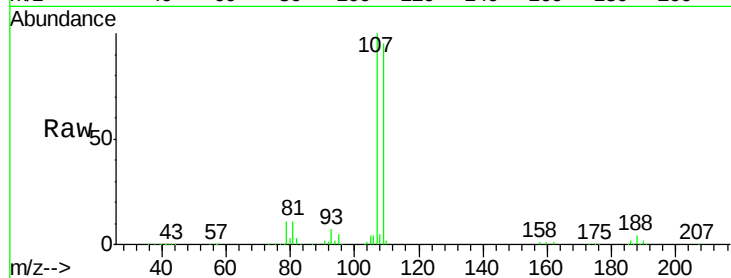
#61
 1,2-Dibromoethane
 Concen: 67.13 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

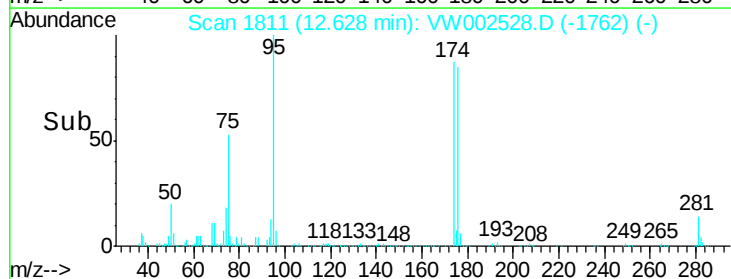
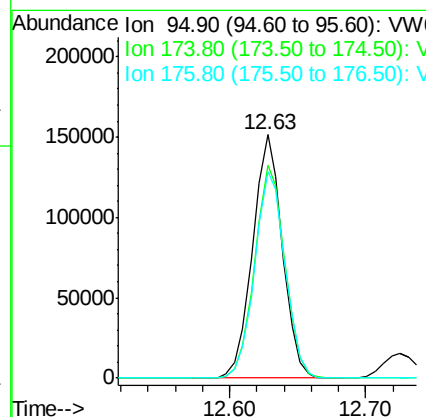
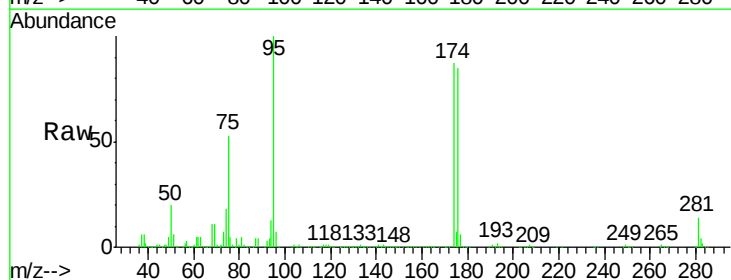
Manual Integrations
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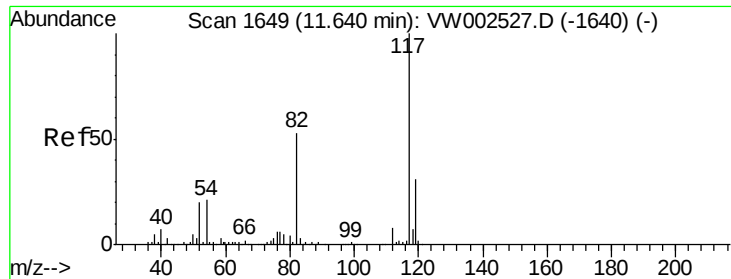
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#62
 4-Bromofluorobenzene
 Concen: 73.72 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	176.6
176	86.5	0.0	172.2





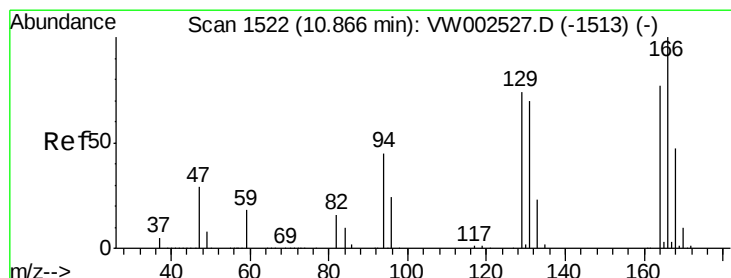
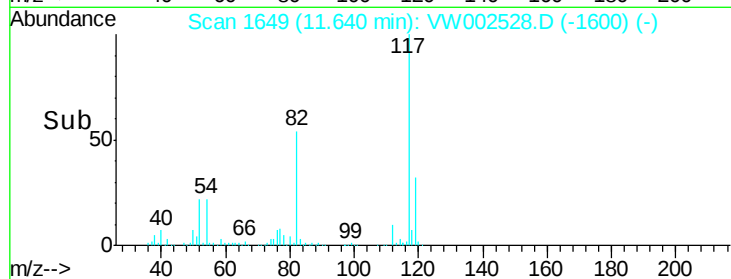
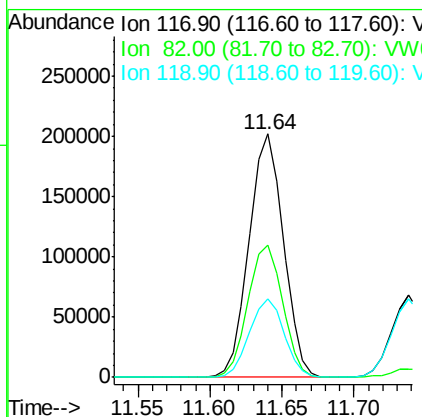
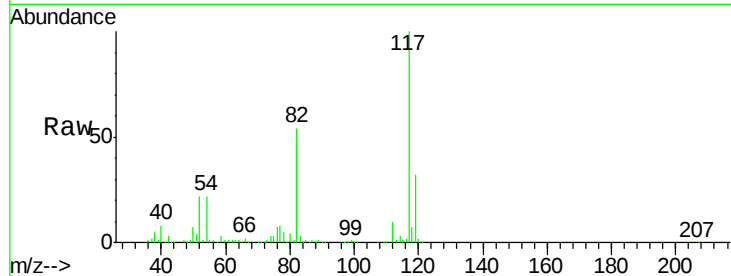
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	334233		
82	54.4	42.6	64.0	
119	32.1	25.0	37.6	

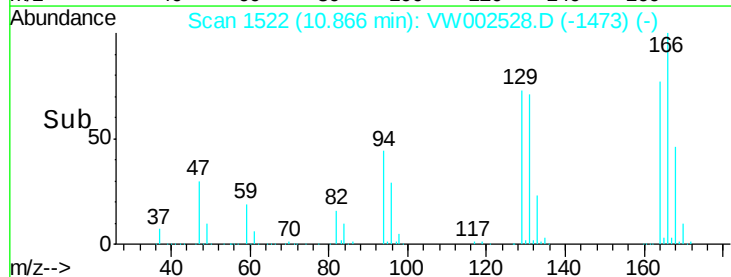
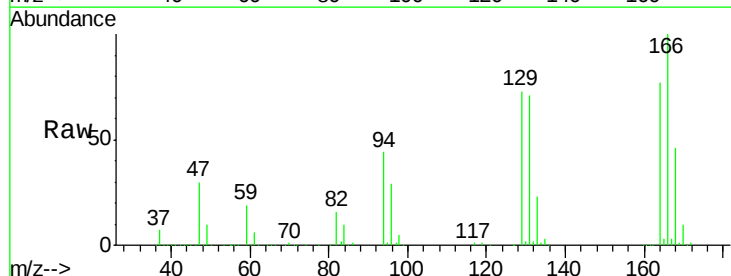
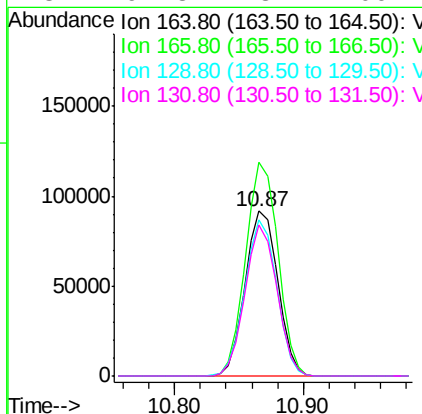
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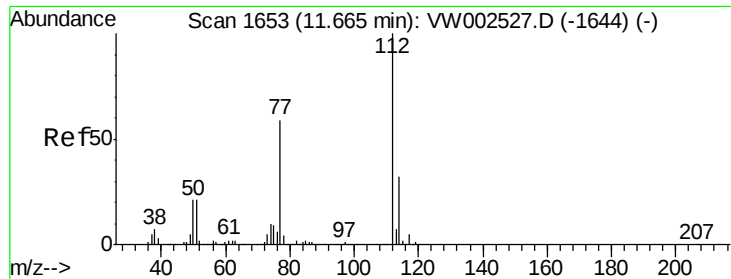
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#64
Tetrachloroethene
Concen: 63.44 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	160959		
166	129.5	104.2	156.2	
129	95.0	77.0	115.4	
131	91.8	73.1	109.7	





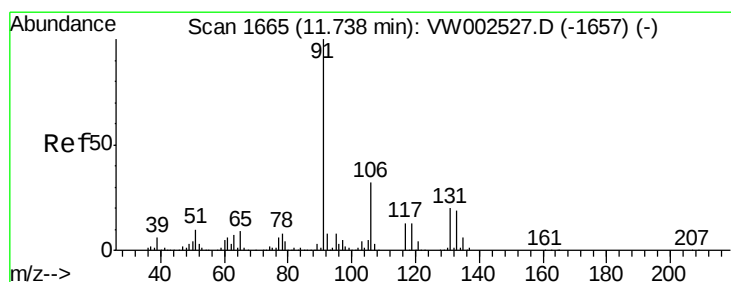
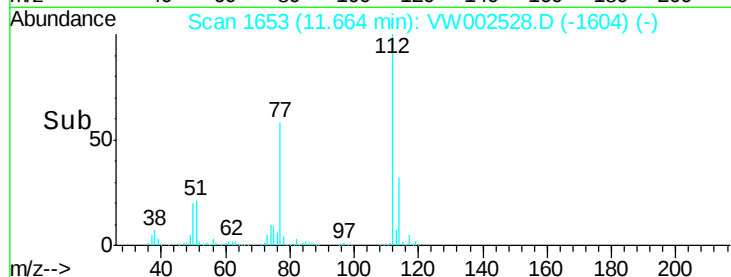
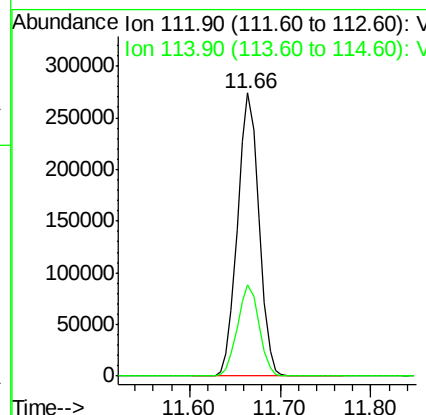
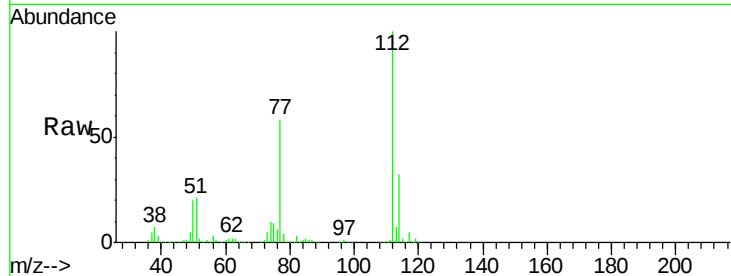
#65
Chlorobenzene
Concen: 66.17 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.3	37.9

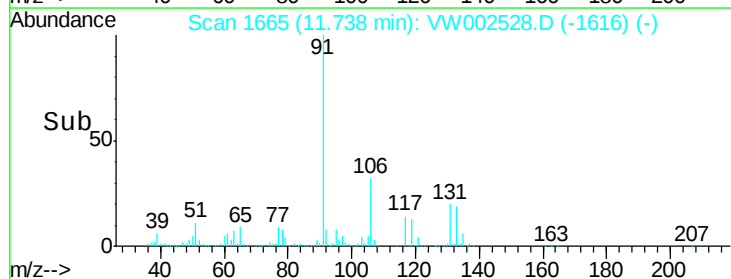
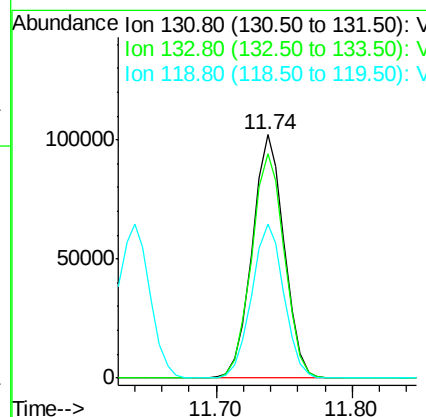
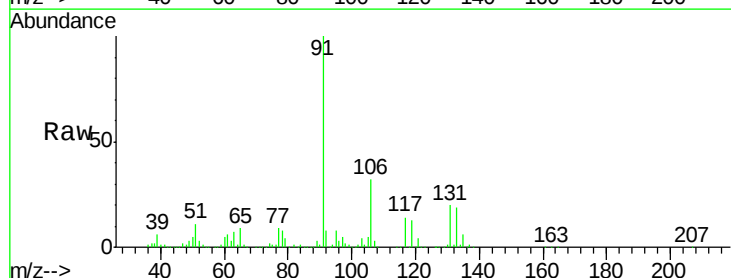
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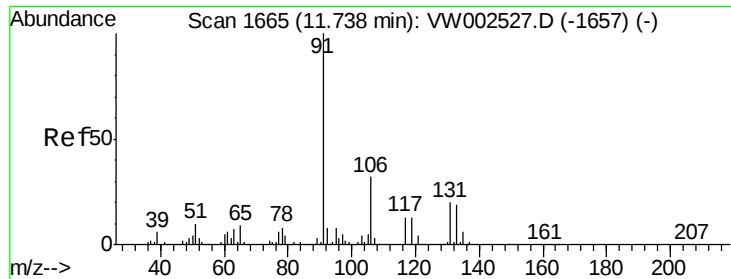
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#66
1,1,1,2-Tetrachloroethane
Concen: 69.21 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.4	145.3
119	64.2	32.2	96.6





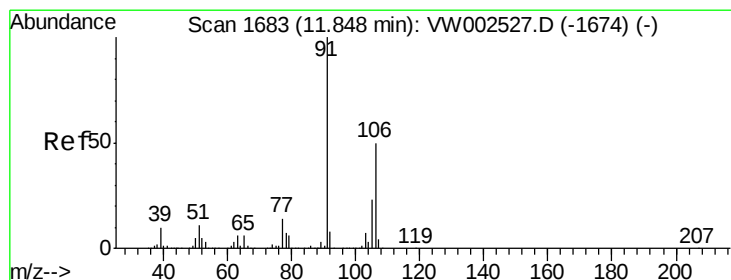
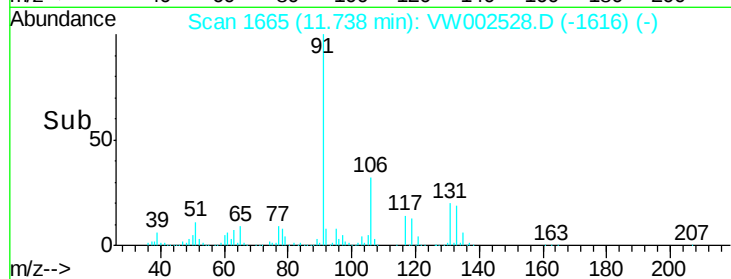
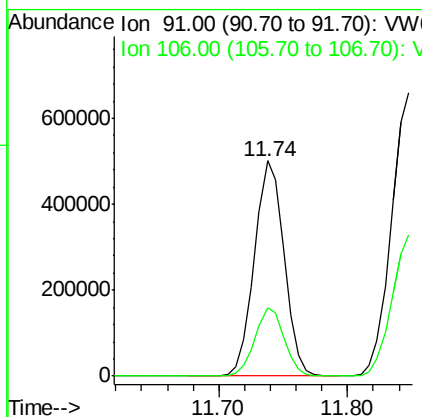
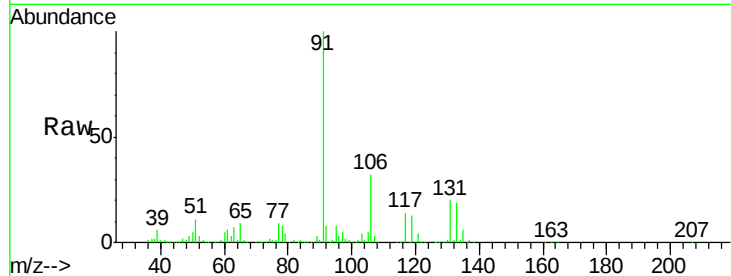
#67
Ethyl Benzene
Concen: 67.91 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.5	25.4	38.0	

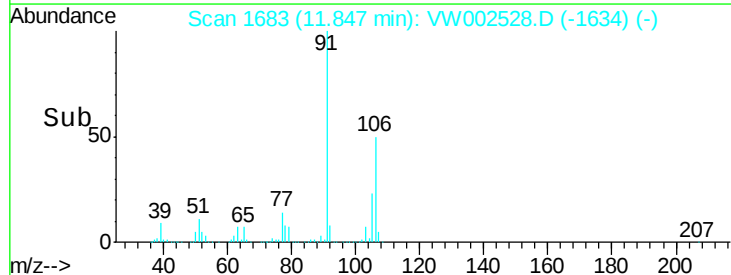
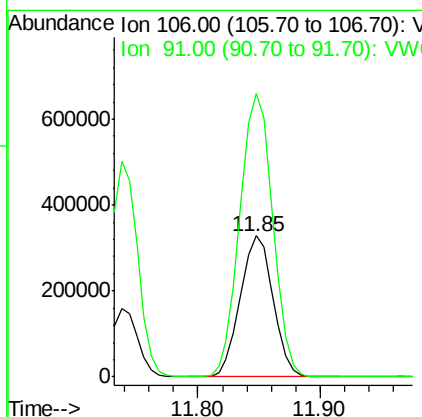
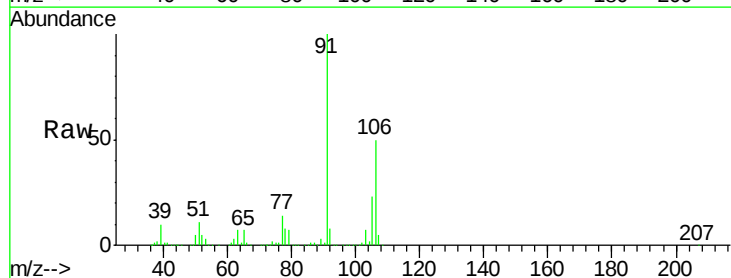
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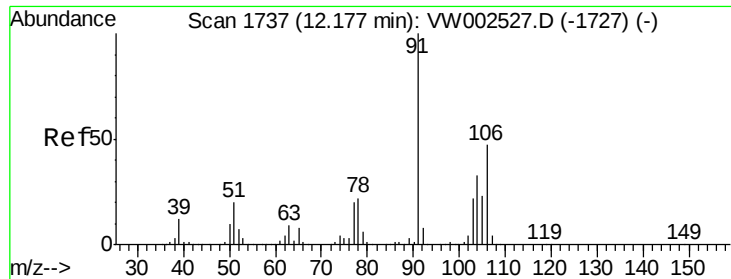
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#68
m/p-Xylenes
Concen: 135.59 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.1	161.4	242.2	





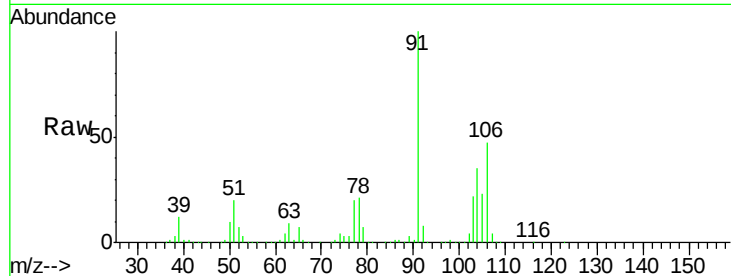
#69
o-Xylene
Concen: 68.60 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

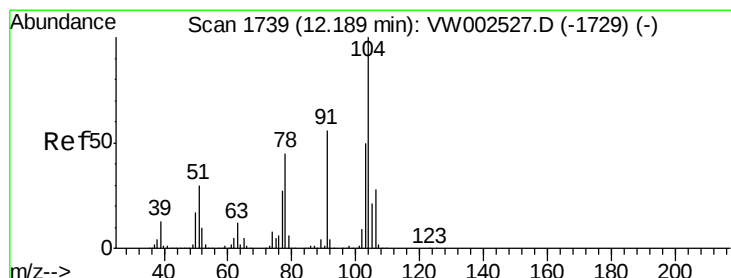
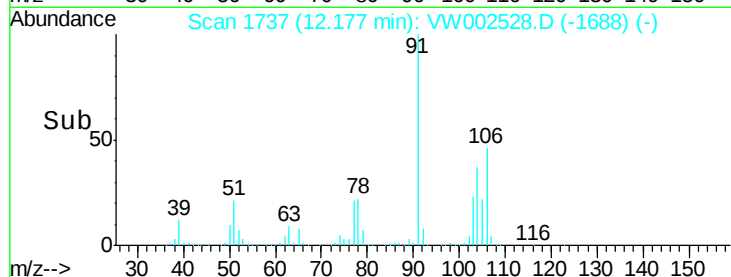
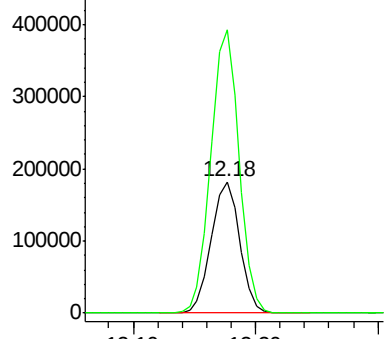
Tot Ion	Ratio	Resp	Lower	Upper
106	100	294457		
91	213.0	106.7	320.2	

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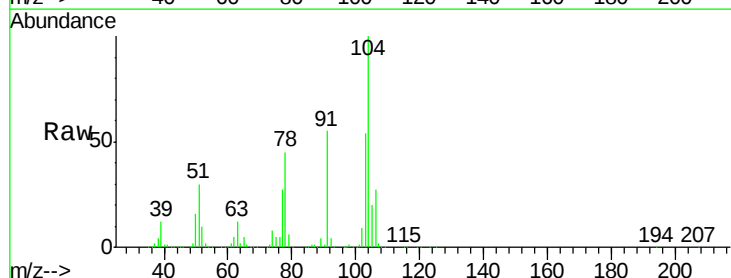


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

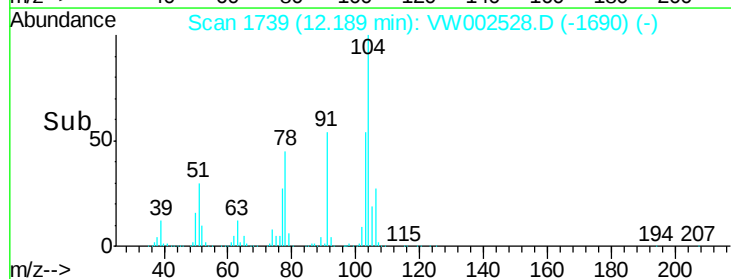
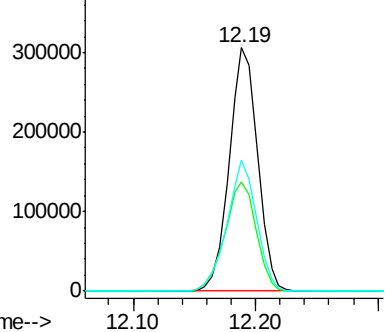


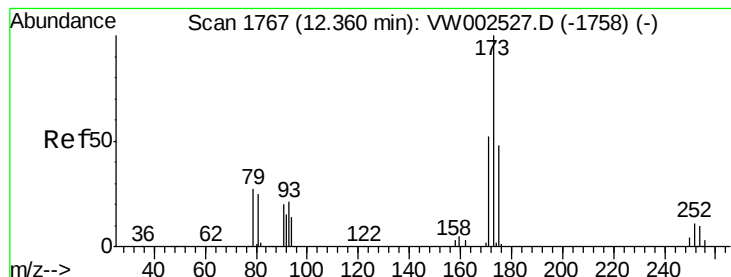
#70
Styrene
Concen: 69.62 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	495739		
78	49.6	40.1	60.1	
103	56.0	44.6	66.8	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 69.68 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

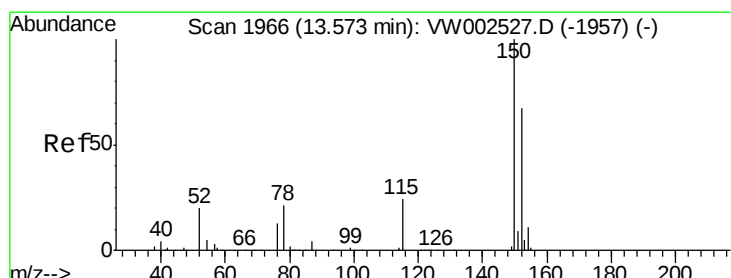
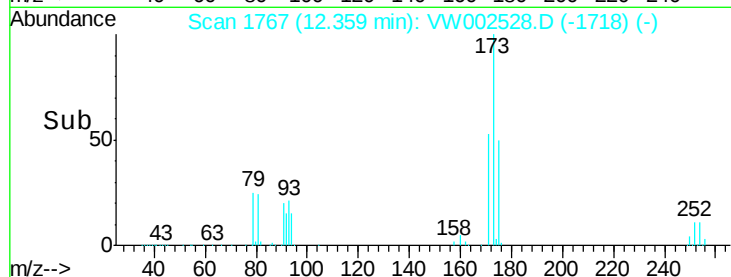
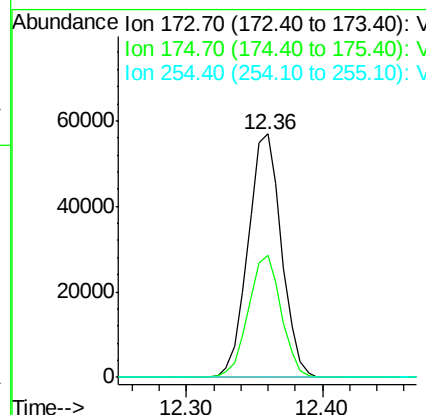
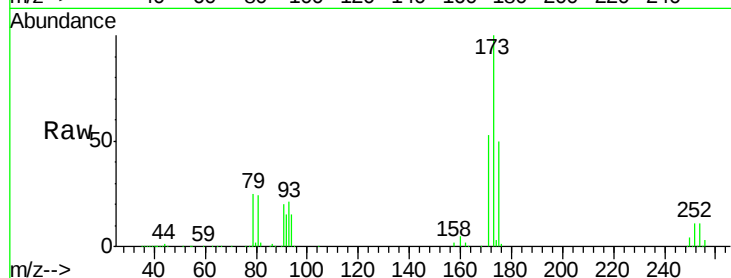
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.5	73.5
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

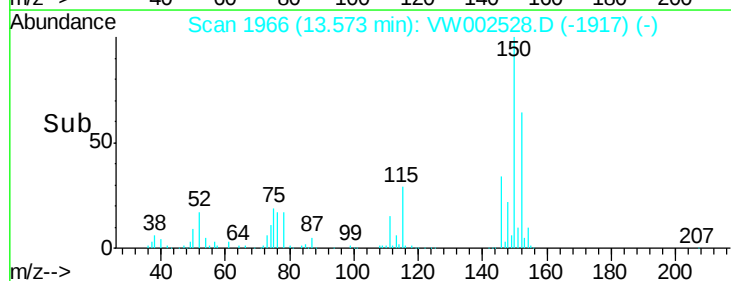
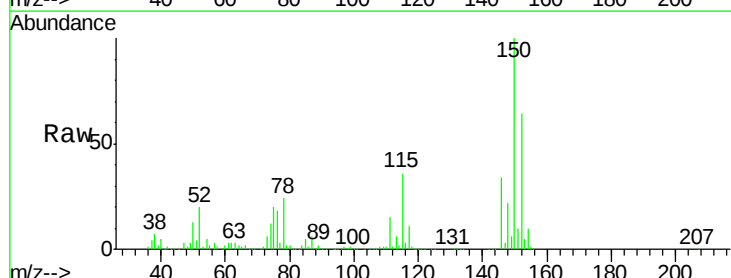
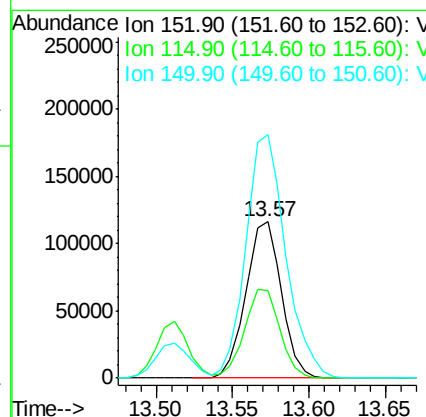
RT: 13.57 min Scan# 1966

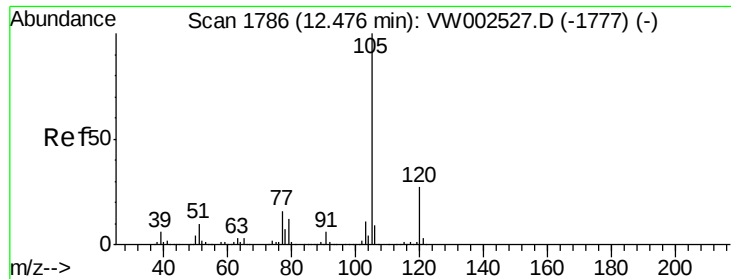
Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.0	84.0
150	175.8	0.0	345.4





#73

Isopropylbenzene

Concen: 66.70 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 805891

Ion Ratio Lower Upper

105 100

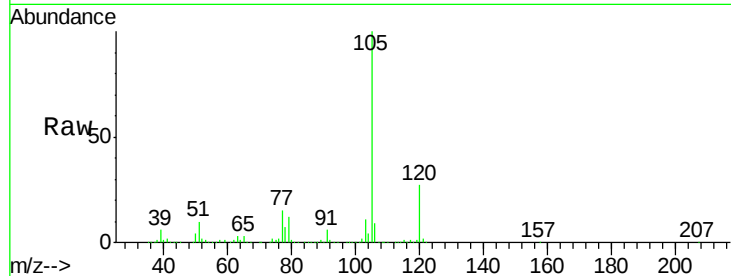
120 26.5 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

500000

400000

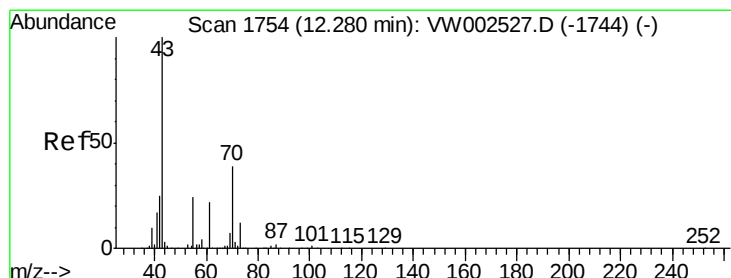
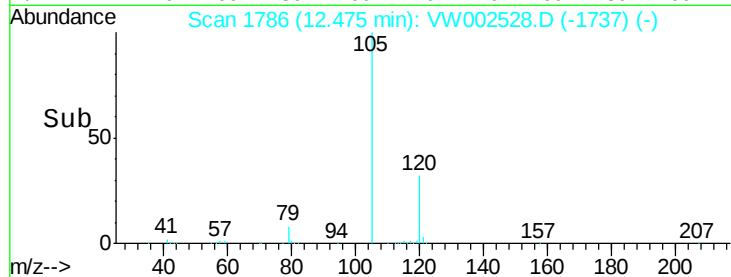
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 69.58 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion: 43 Resp: 212166

Ion Ratio Lower Upper

43 100

70 39.3 31.9 47.9

55 23.7 19.4 29.0

61 22.7 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

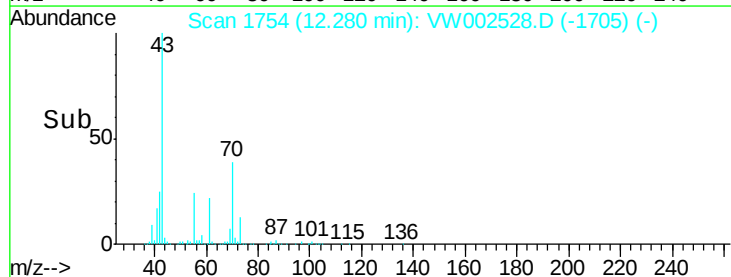
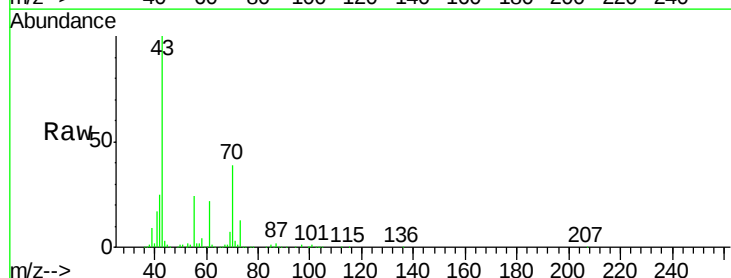
150000

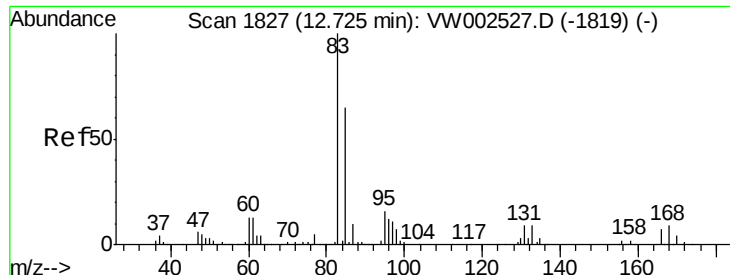
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 65.81 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

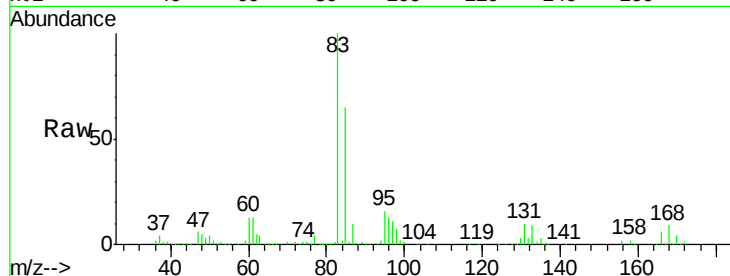
ClientSampled :

VSTDIC075

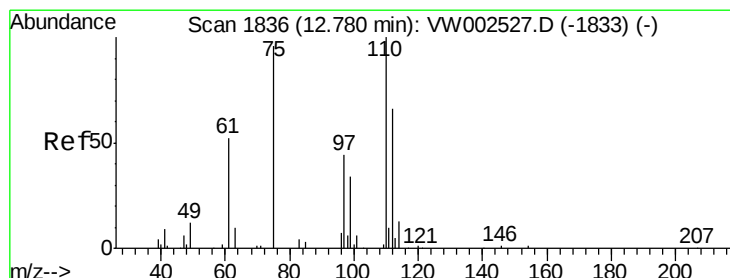
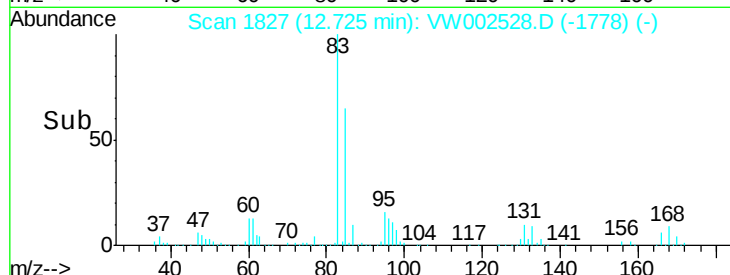
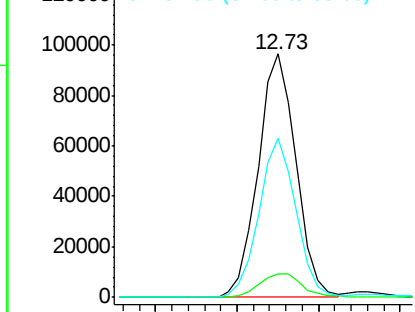
Tot Ion:	83	Resp:	155405
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	63.9	31.6	94.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 68.85 ug/l m

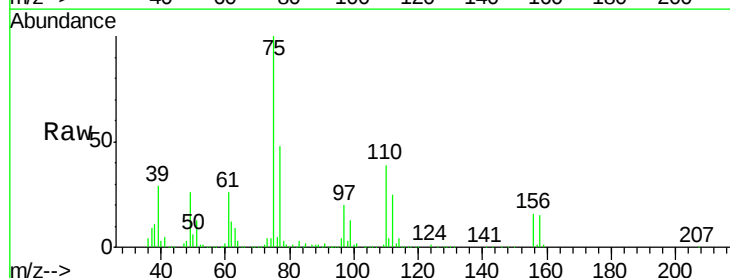
RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

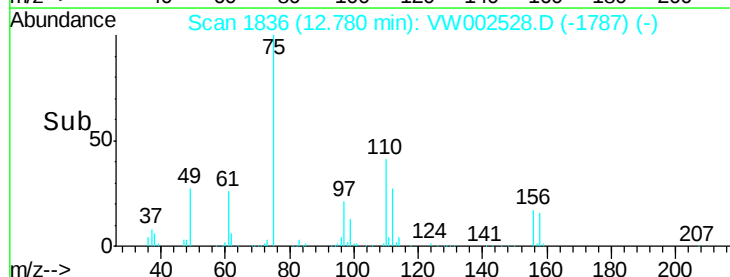
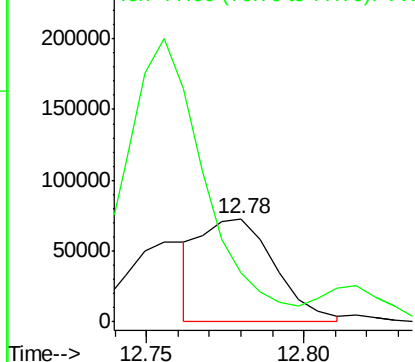
Lab File: VW002528.D

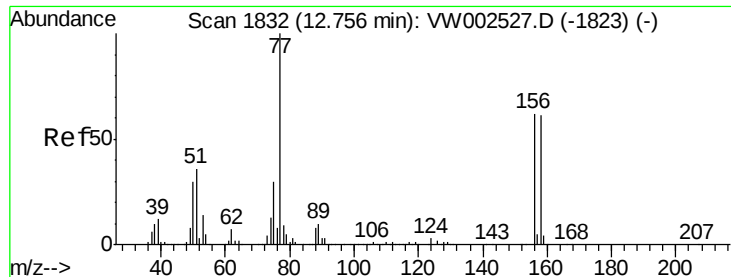
Acq: 14 May 2018 22:31

Tgt Ion:	75	Resp:	118792
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 66.18 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

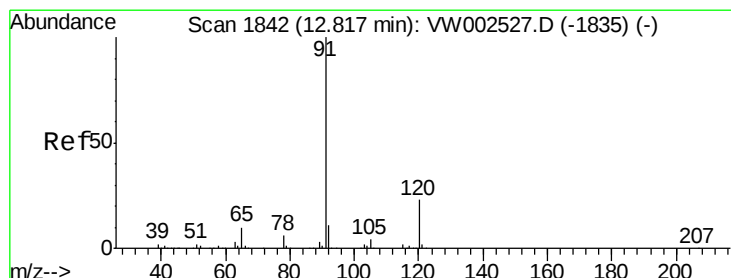
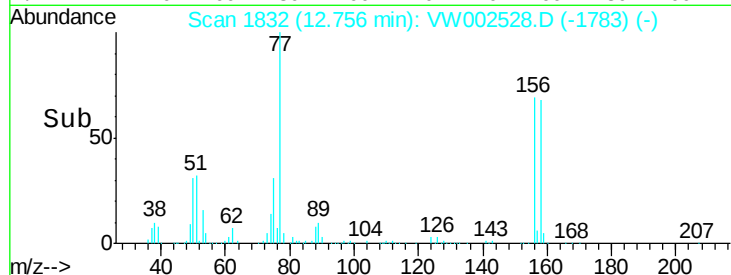
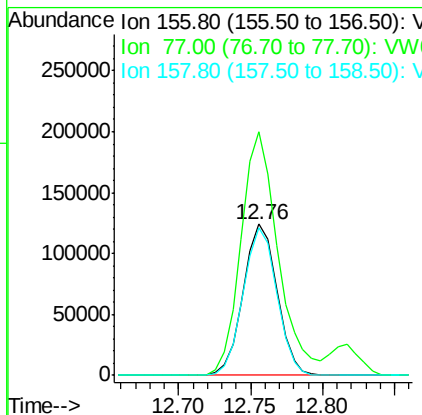
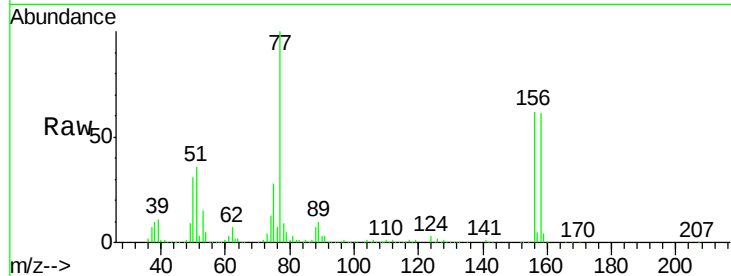
ClientSampled :

VSTDIC075

Tot Ion:	156	Resp:	201775
Ion Ratio	Lower	Upper	
156	100		
77	177.0	89.8	269.4
158	96.7	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 67.64 ug/l

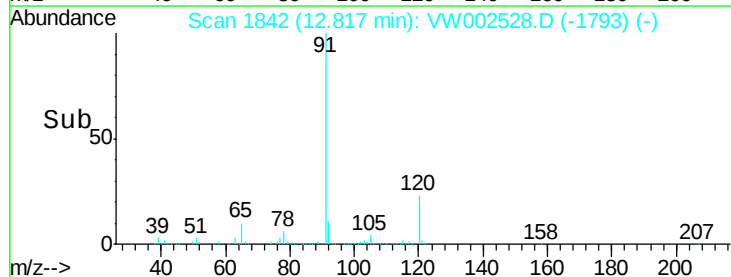
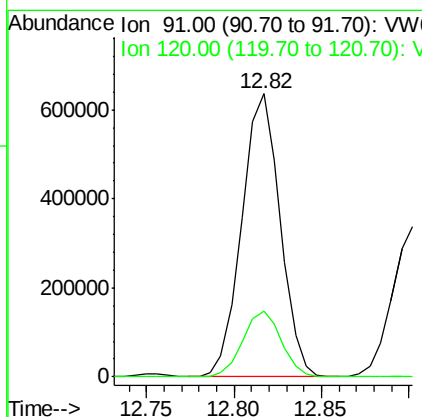
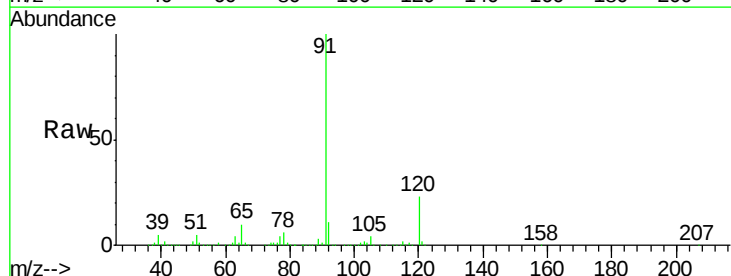
RT: 12.82 min Scan# 1842

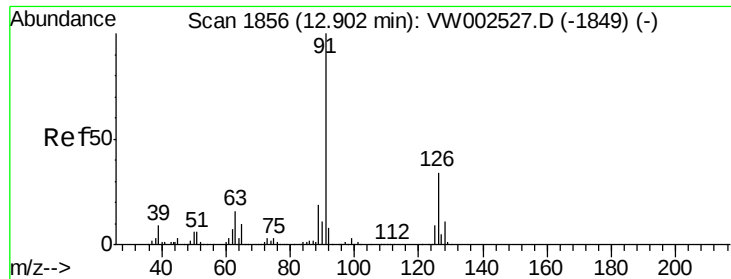
Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion:	91	Resp:	969007
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.7	35.1





#79

2-Chlorotoluene

Concen: 66.05 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 543823

Ion Ratio Lower Upper

91 100

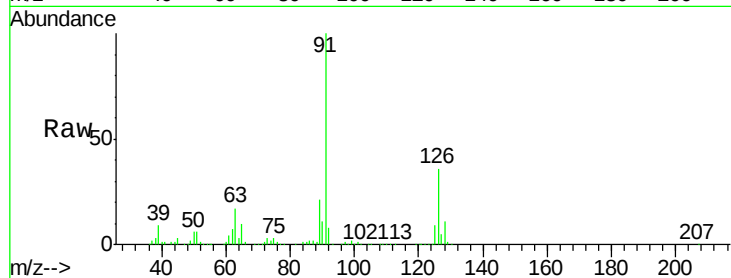
126 35.2 17.6 52.8

Manual Integrations

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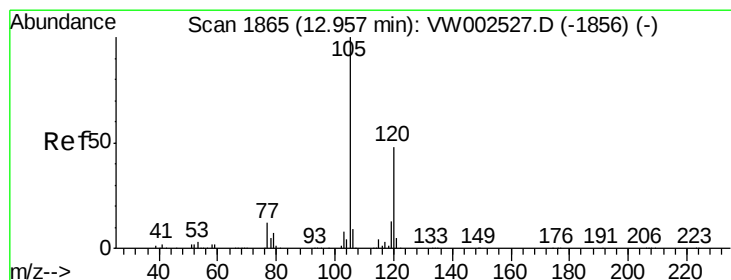
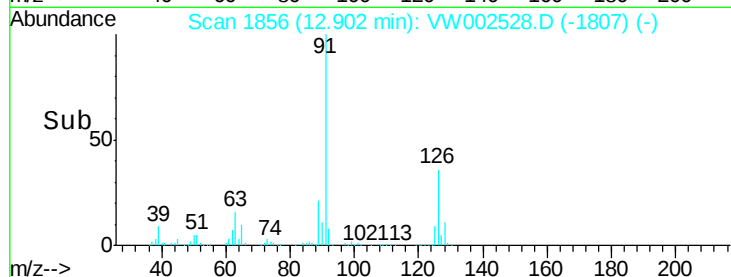
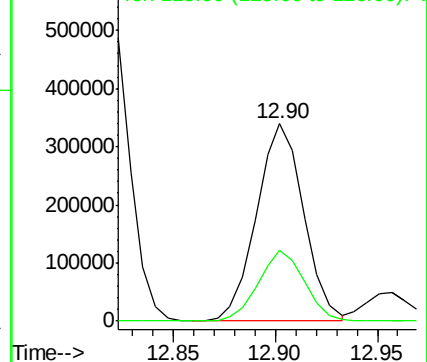
apatel

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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: 67.87 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002528.D

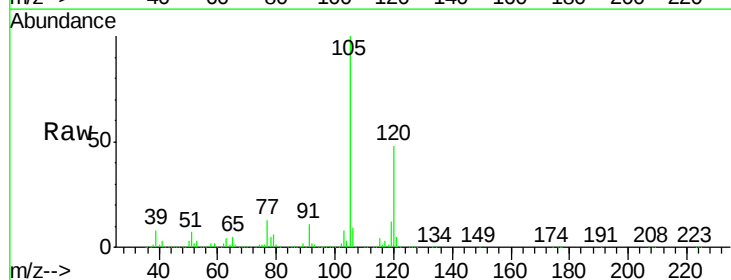
Acq: 14 May 2018 22:31

Tgt Ion:105 Resp: 690314

Ion Ratio Lower Upper

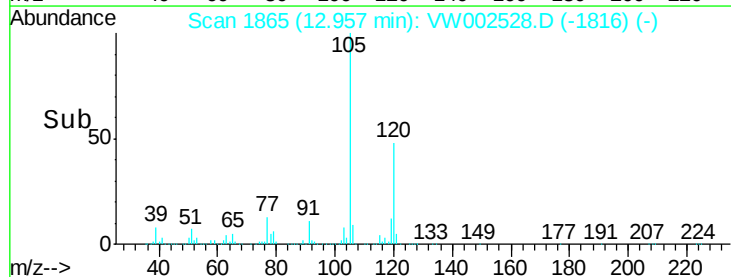
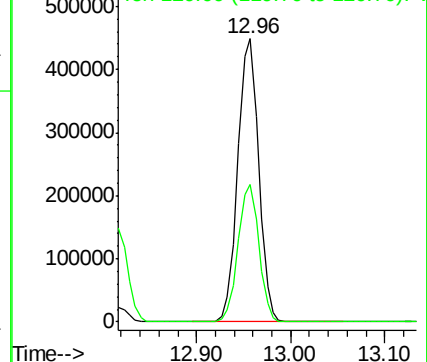
105 100

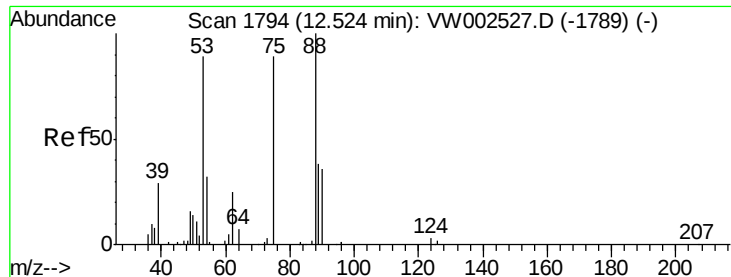
120 48.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





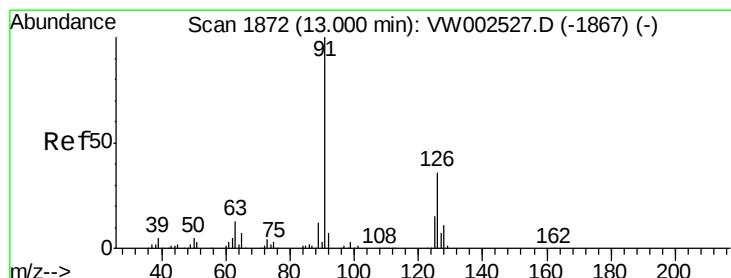
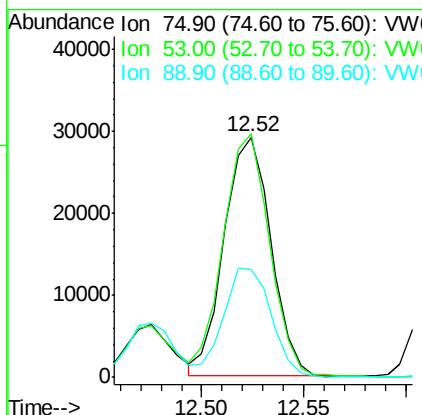
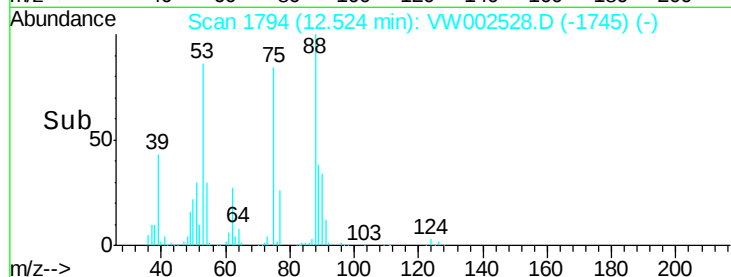
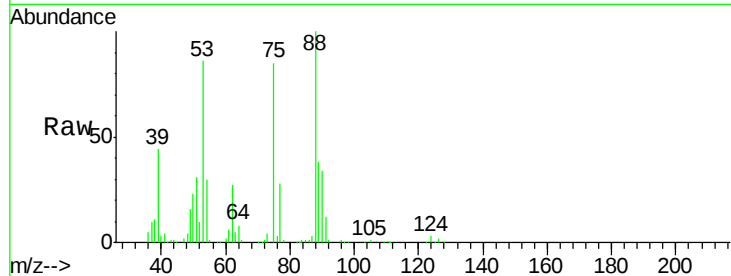
#81
trans-1,4-Dichloro-2-butene
Concen: 72.92 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.1	82.6	124.0
89	47.2	39.2	58.8

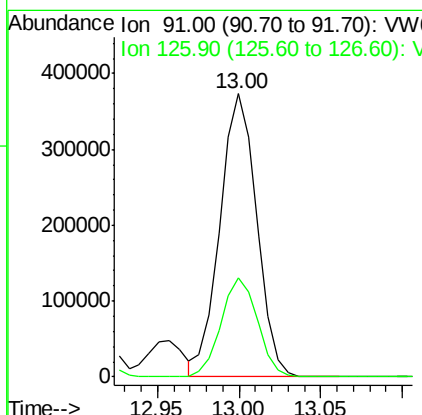
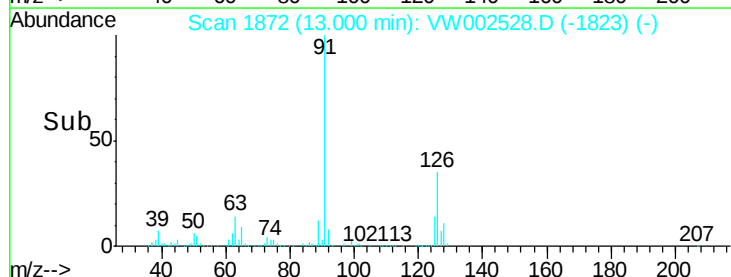
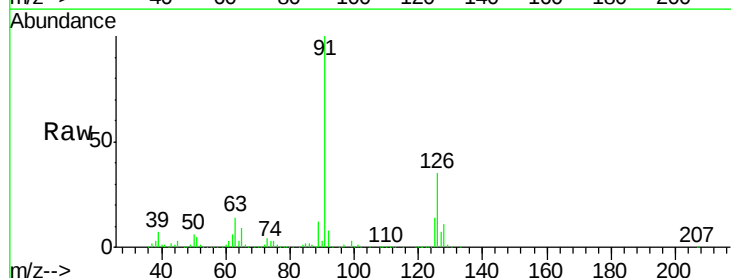
Manual Integrations
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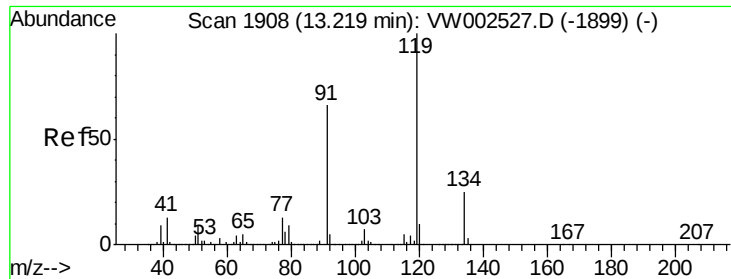
apatel
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#82
4-Chlorotoluene
Concen: 66.72 ug/l
RT: 13.00 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





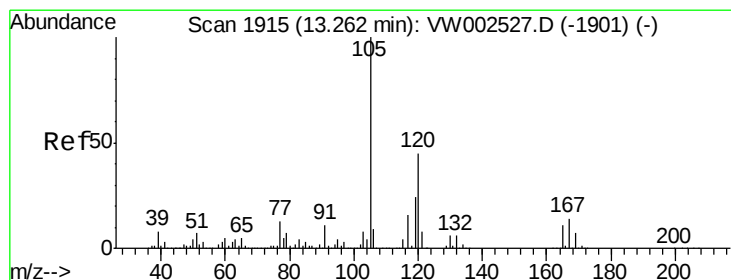
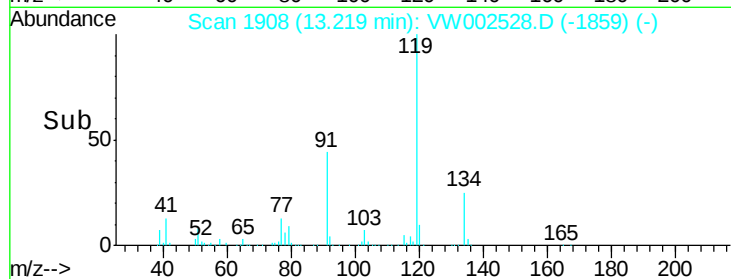
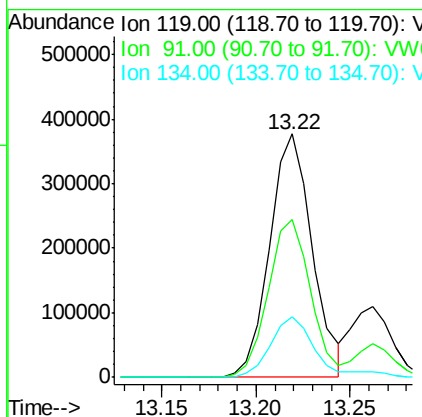
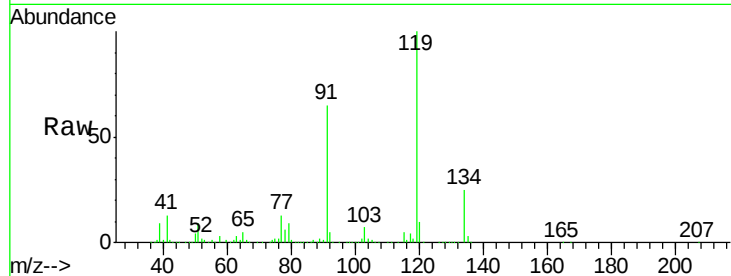
#83
tert-Butylbenzene
Concen: 67.68 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.5	97.5
134	26.4	13.2	39.6

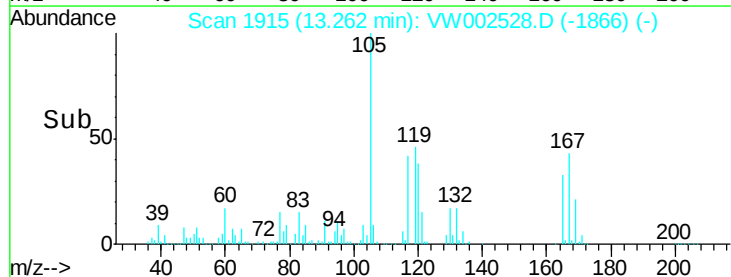
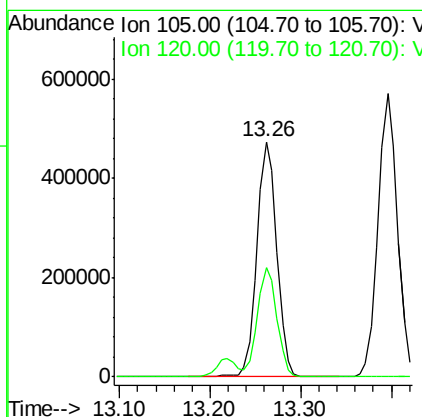
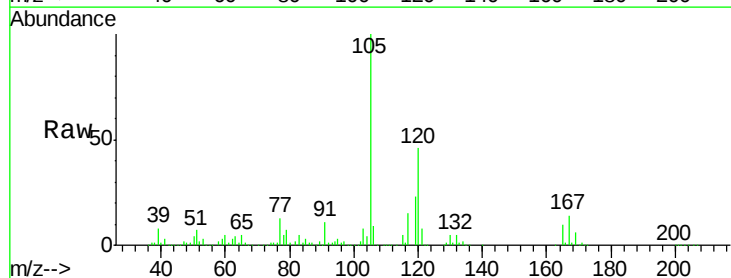
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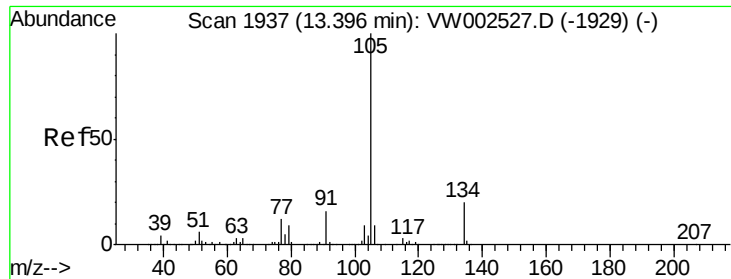
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#84
1,2,4-Trimethylbenzene
Concen: 68.13 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.9





#85

sec-Butylbenzene

Concen: 67.57 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 846000

Ion Ratio Lower Upper

105 100

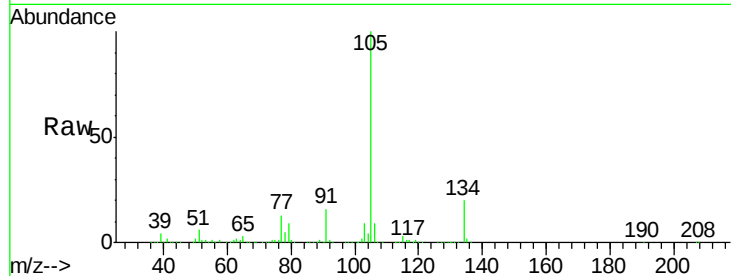
134 20.3 10.1 30.3

Manual Integrations

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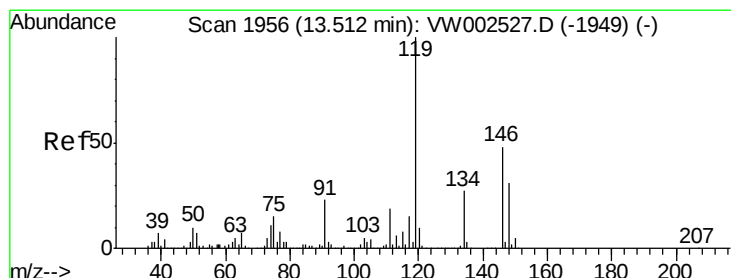
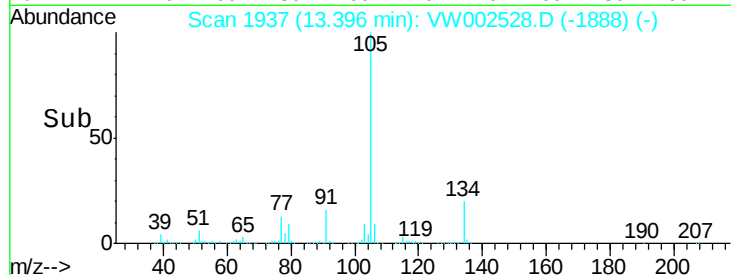
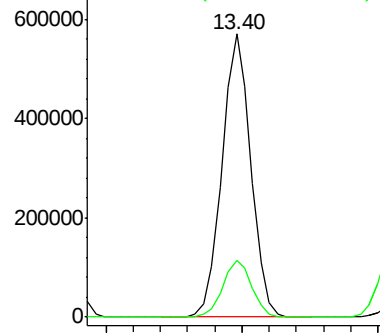
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 69.09 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

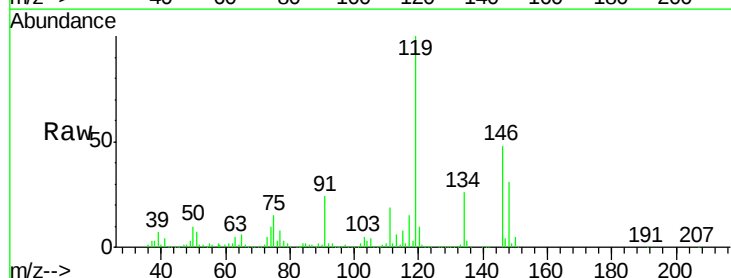
Tgt Ion:119 Resp: 775114

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

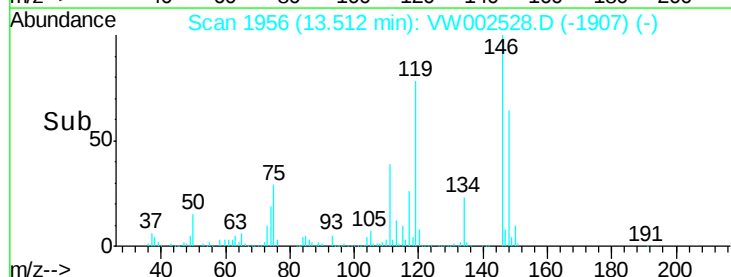
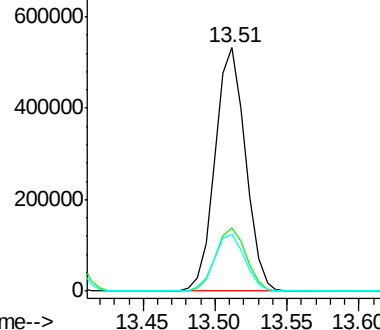
91 23.6 11.6 34.8

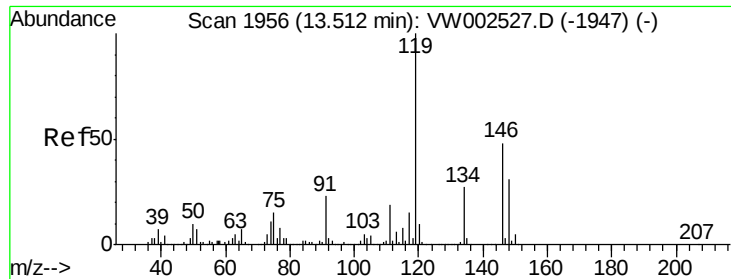


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





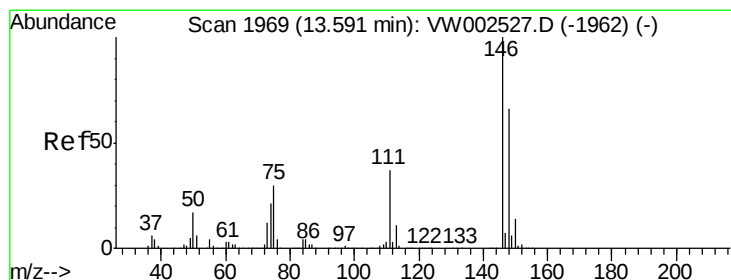
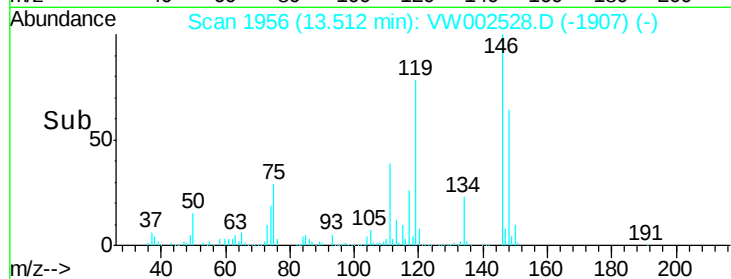
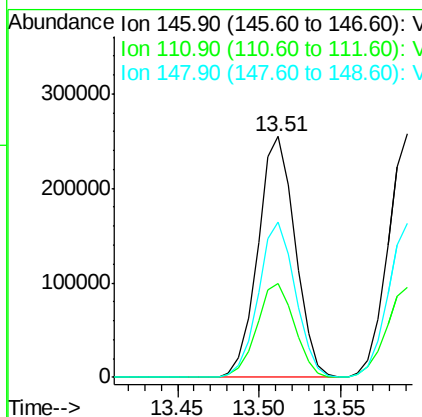
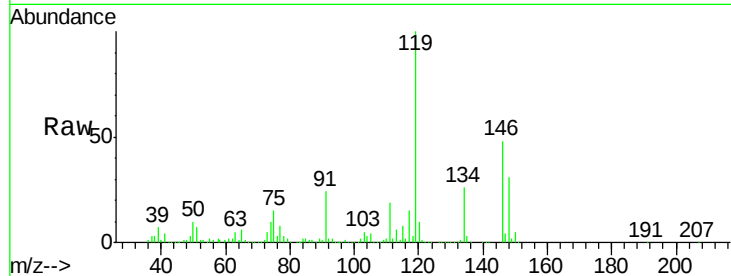
#87
 1,3-Dichlorobenzene
 Concen: 66.69 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	63.9	32.3	96.8

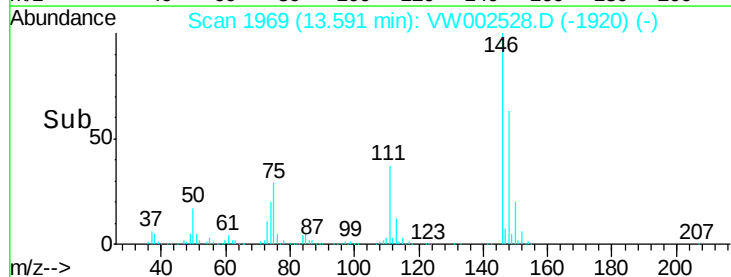
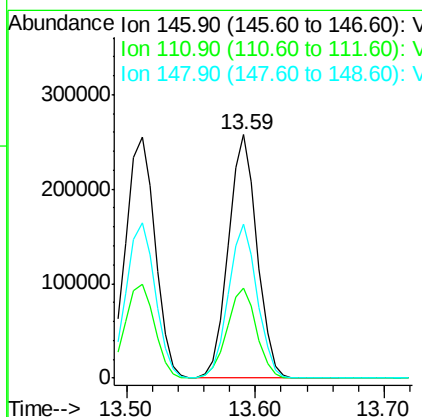
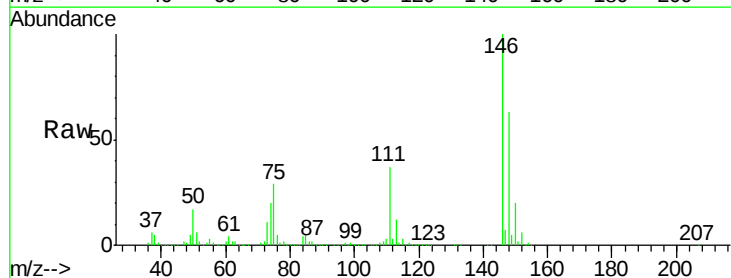
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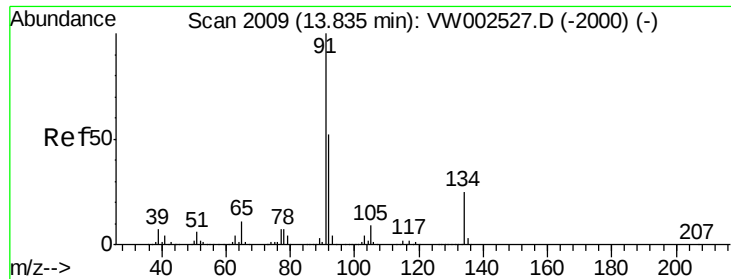
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#88
 1,4-Dichlorobenzene
 Concen: 66.43 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.5
148	63.7	32.4	97.0





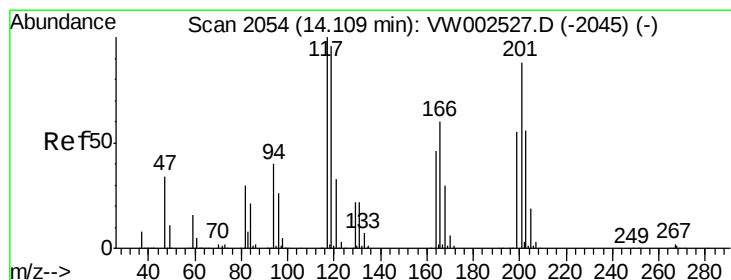
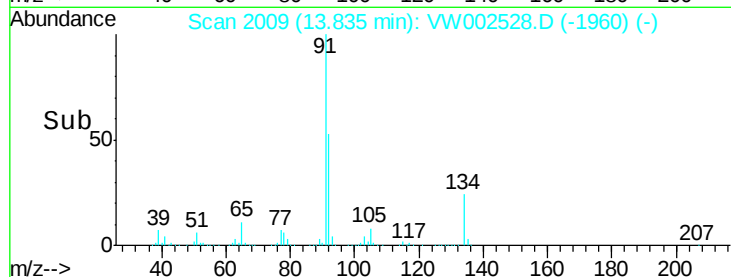
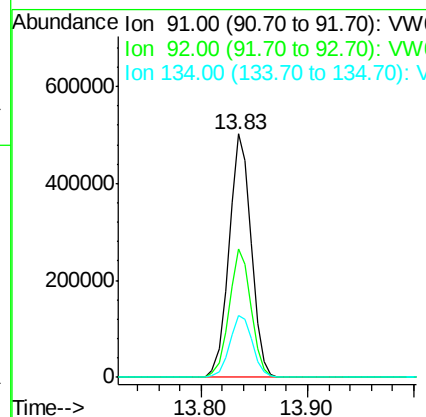
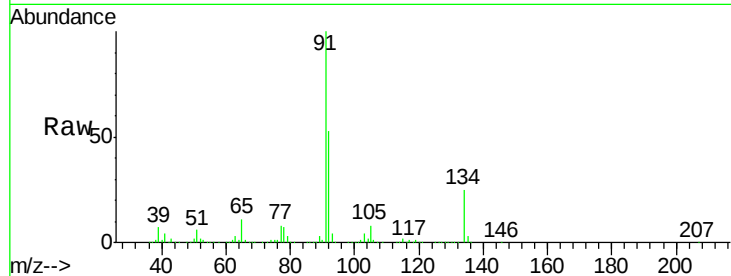
#89
n-Butylbenzene
Concen: 69.45 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	25.8	13.1	39.1

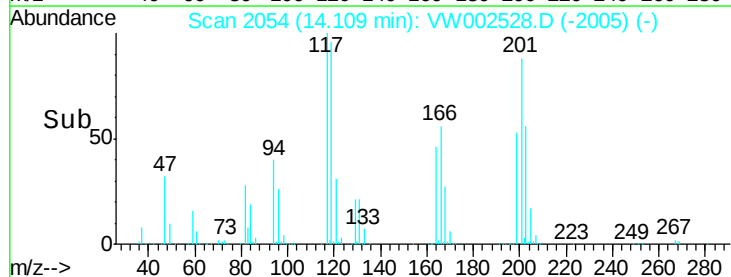
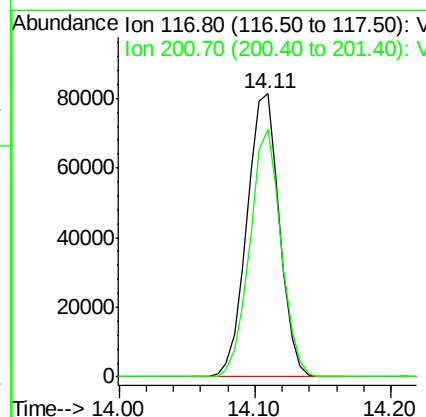
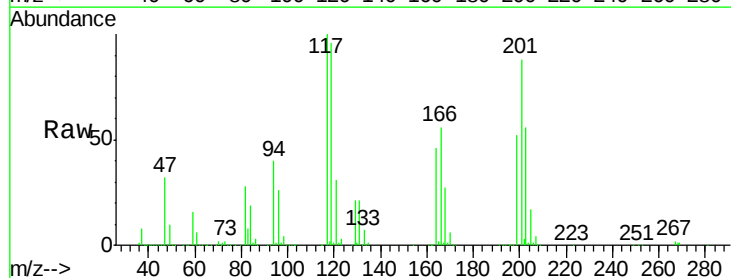
Manual Integrations
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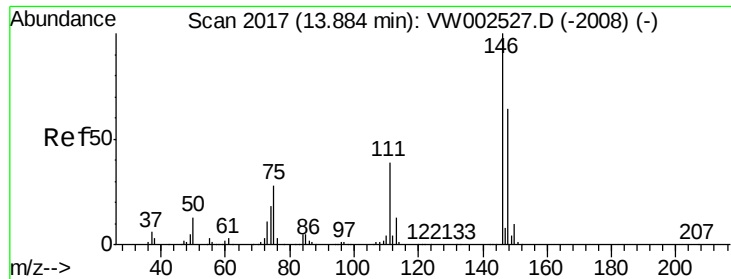
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#90
Hexachloroethane
Concen: 67.82 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VW002528.D
Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	42.0	126.0





#91

1,2-Dichlorobenzene

Concen: 66.34 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

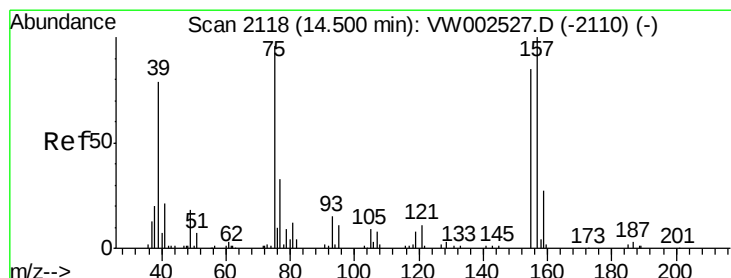
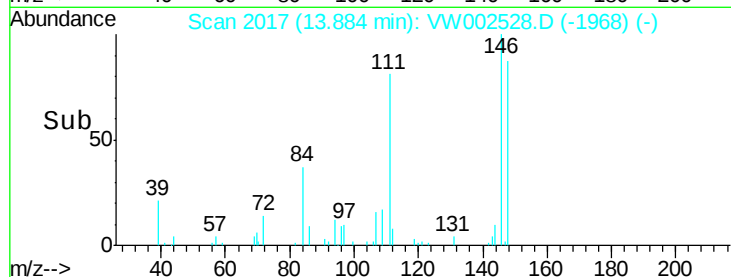
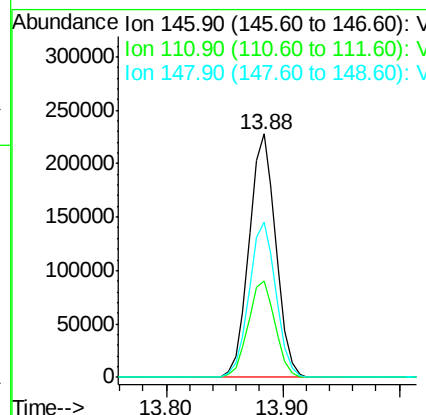
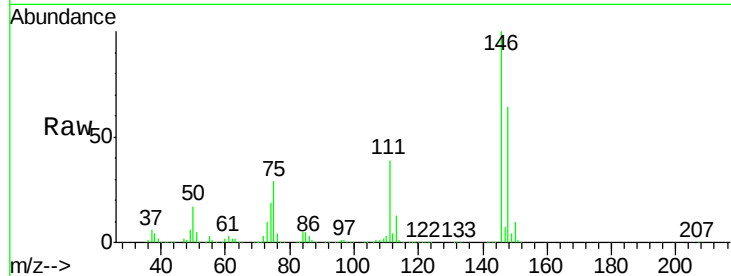
ClientSampleId :

VSTDIC075

Tot Ion:	146	Resp:	364463
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.9	59.6
148	64.1	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 68.10 ug/l

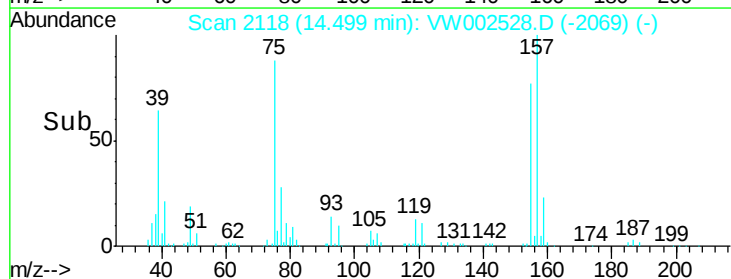
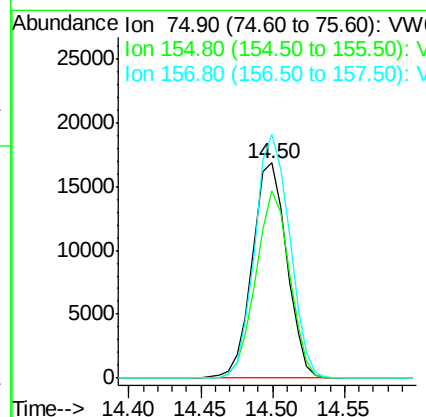
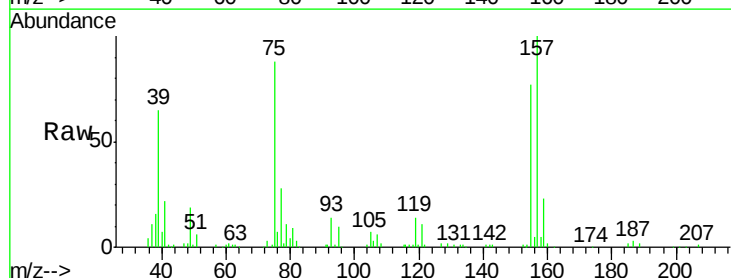
RT: 14.50 min Scan# 2118

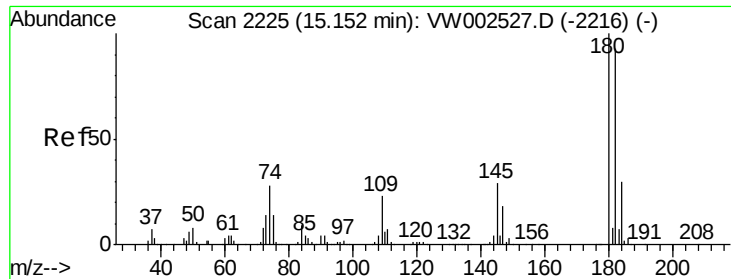
Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion:	75	Resp:	27822
Ion Ratio	Lower	Upper	
75	100		
155	85.5	42.8	128.4
157	114.4	57.4	172.0





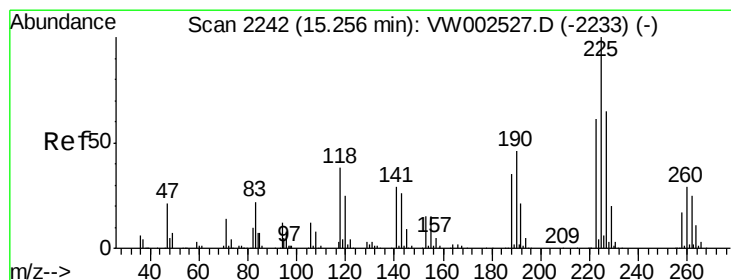
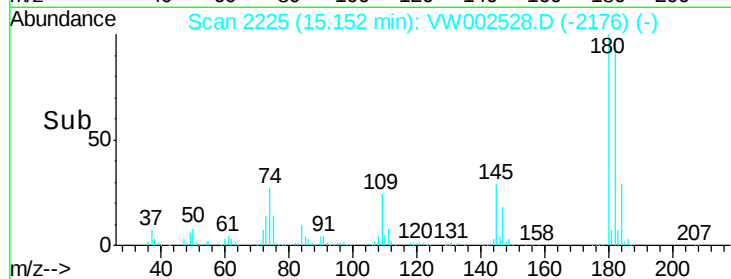
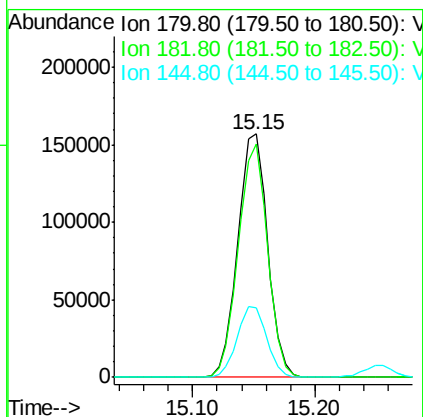
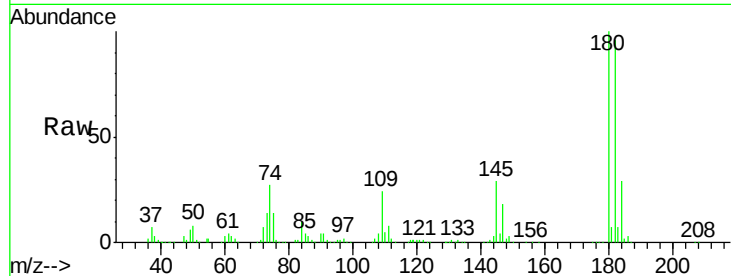
#93
 1,2,4-Trichlorobenzene
 Concen: 67.29 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	265014		
182	94.0	47.2	141.6	
145	29.0	14.9	44.9	

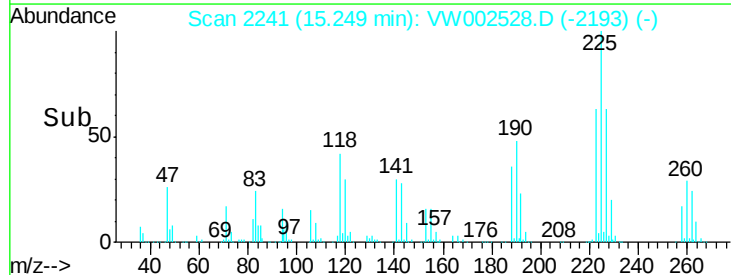
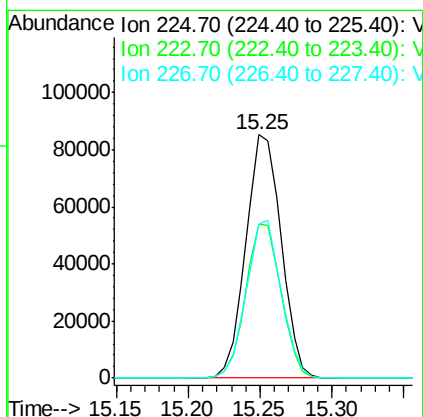
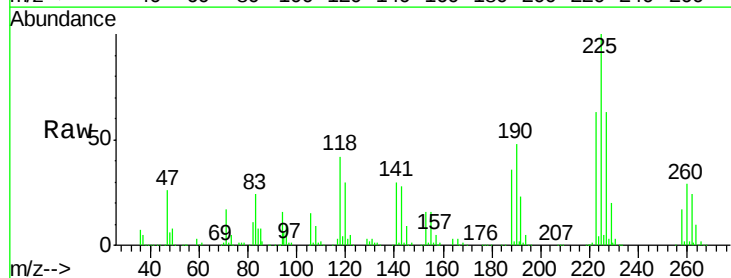
Manual Integrations
 APPROVED

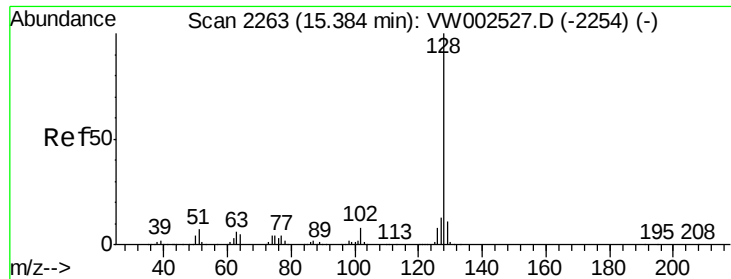
apatel
 5/15/2018 6:11:34 PM



#94
 Hexachlorobutadiene
 Concen: 65.88 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: VW002528.D
 Acq: 14 May 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144458		
223	63.2	31.3	93.9	
227	63.9	31.9	95.5	





#95

Naphthalene

Concen: 69.00 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW002528.D

Acq: 14 May 2018 22:31

Instrument :

MSVOA_W

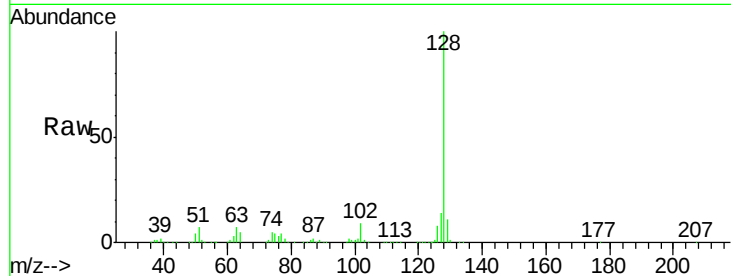
ClientSampleId :

VSTDIC075

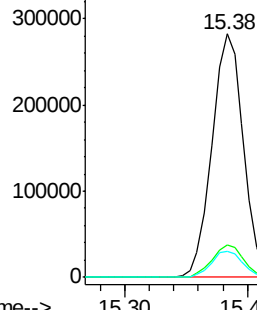
Tot Ion:	128	Resp:	501644
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

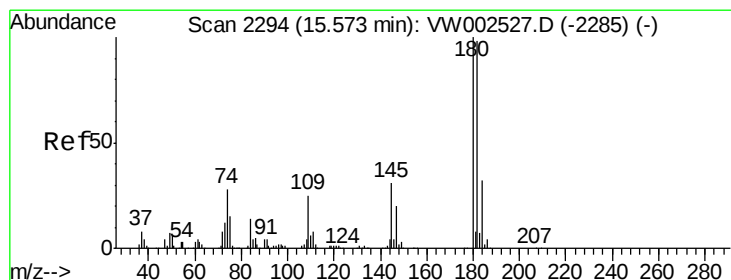
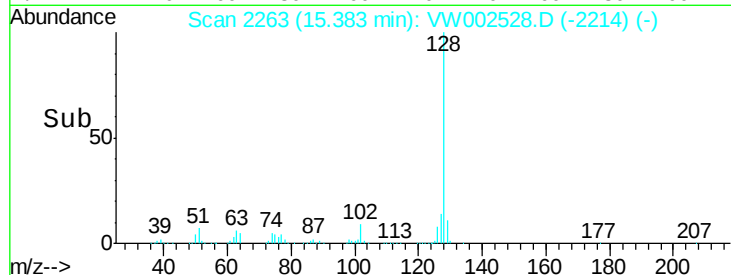
apatel
5/15/2018 6:11:34 PM



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 65.91 ug/l

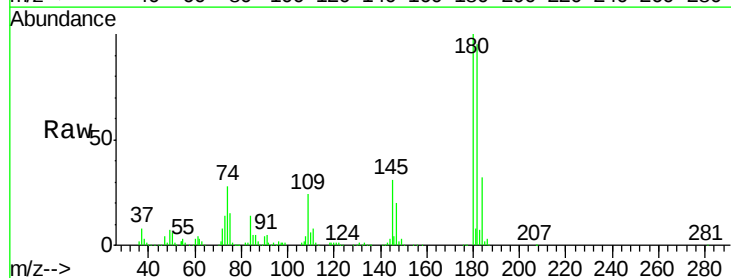
RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

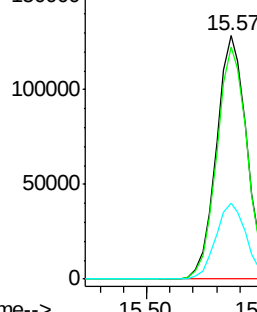
Lab File: VW002528.D

Acq: 14 May 2018 22:31

Tgt Ion:	180	Resp:	232904
Ion Ratio		Lower	Upper
180	100		
182	95.3	47.3	141.8
145	31.3	15.5	46.5



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



Time-->

