

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002533.D
 Acq On : 15 May 2018 01:26
 Operator : JC/SY
 Sample : VW0515SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Manual Integrations
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 5/15/2018 6:12:14 PM

Quant Time: May 15 08:02:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	329123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123451	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.88	113	112162	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.33	98	431978	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.63	95	156232	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	14236	15.98	ug/l	92
3) Chloromethane	2.21	50	33742	19.80	ug/l	99
4) Vinyl Chloride	2.36	62	51857	19.41	ug/l	96
5) Bromomethane	2.76	94	45152	20.61	ug/l	99
6) Chloroethane	2.92	64	37720	20.51	ug/l	90
7) Trichlorofluoromethane	3.25	101	23624	20.06	ug/l	99
8) Diethyl Ether	3.67	74	27826	19.75	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.04	101	39757	20.38	ug/l	99
10) Methyl Iodide	4.26	142	63270	20.35	ug/l	99
11) Tert butyl alcohol	5.19	59	17963	97.95	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	39754	20.59	ug/l	99
13) Acrolein	3.89	56	19639	108.71	ug/l	98
14) Allyl chloride	4.65	41	60483	21.11	ug/l	99
15) Acrylonitrile	5.37	53	53153	104.61	ug/l	99
16) Acetone	4.12	43	51765	102.78	ug/l	99
17) Carbon Disulfide	4.37	76	108839	20.48	ug/l	98
18) Methyl Acetate	4.67	43	27235	18.55	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	73539	20.73	ug/l	98
20) Methylene Chloride	4.90	84	44611	20.65	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	43447	20.81	ug/l	95
22) Diisopropyl ether	6.31	45	131083	20.65	ug/l	99
23) Vinyl Acetate	6.25	43	403829	104.98	ug/l	98
24) 1,1-Dichloroethane	6.21	63	79987	20.91	ug/l	98
25) 2-Butanone	7.17	43	75039	105.36	ug/l	98
26) 2,2-Dichloropropane	7.16	77	41203	19.22	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	47962	20.14	ug/l	100
28) Bromochloromethane	7.51	49	35891	21.02	ug/l	99
29) Tetrahydrofuran	7.53	42	48259	108.47	ug/l	98
30) Chloroform	7.67	83	83408	20.42	ug/l	97
31) Cyclohexane	7.95	56	68510	20.22	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	63041	20.46	ug/l	99
36) 1,1-Dichloropropene	8.08	75	62472	19.96	ug/l	100
37) Ethyl Acetate	7.26	43	32187	20.73	ug/l	97
38) Carbon Tetrachloride	8.07	117	59890	19.54	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71215	19.86	ug/l	98
40) Benzene	8.32	78	179269	19.95	ug/l	97
41) Methacrylonitrile	7.48	41	20191	23.24	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	57751	20.23	ug/l	100
43) Isopropyl Acetate	8.43	43	61431	20.57	ug/l	100
44) Trichloroethene	9.09	130	50754	20.61	ug/l	99
45) 1,2-Dichloropropane	9.37	63	45324	19.79	ug/l	99
46) Dibromomethane	9.46	93	25796	19.79	ug/l	97
47) Bromodichloromethane	9.65	83	60736	19.98	ug/l	99
48) Methyl methacrylate	9.44	41	28472	19.68	ug/l	98
49) 1,4-Dioxane	9.45	88	8971	413.04	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	165972	101.23	ug/l	100
52) Toluene	10.40	92	114845	20.21	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	58553	19.05	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	68595	20.02	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	36716	20.00	ug/l	98
56) Ethyl methacrylate	10.65	69	44468	19.87	ug/l	99
57) 1,3-Dichloropropane	10.94	76	62718	20.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	116436	106.00	ug/l	100
59) 2-Hexanone	10.98	43	116032	102.51	ug/l	98
60) Dibromochloromethane	11.13	129	42536	19.63	ug/l	97
61) 1,2-Dibromoethane	11.24	107	36114	20.38	ug/l	100
64) Tetrachloroethene	10.87	164	48447	20.88	ug/l	97
65) Chlorobenzene	11.66	112	130271	19.87	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	46702	19.90	ug/l	99
67) Ethyl Benzene	11.74	91	225206	20.21	ug/l	97
68) m/p-Xylenes	11.85	106	174659	40.32	ug/l	97
69) o-Xylene	12.18	106	81117	19.71	ug/l	99
70) Styrene	12.19	104	134524	19.64	ug/l	99
71) Bromoform	12.35	173	26408	19.15	ug/l #	97
73) Isopropylbenzene	12.48	105	224209	20.43	ug/l	100
74) N-amyl acetate	12.28	43	58870	21.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	45658	20.53	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	34472m	20.48	ug/l	
77) Bromobenzene	12.76	156	58273	20.81	ug/l	95
78) n-propylbenzene	12.82	91	268957	20.29	ug/l	100
79) 2-Chlorotoluene	12.90	91	153853	20.44	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	186501	19.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11008	17.83	ug/l	93
82) 4-Chlorotoluene	13.00	91	162169	19.92	ug/l	99
83) tert-Butylbenzene	13.22	119	163446	20.21	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	194260	19.98	ug/l	98
85) sec-Butylbenzene	13.40	105	233341	20.08	ug/l	100
86) p-Isopropyltoluene	13.51	119	210348	20.12	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	112584	19.88	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	116313	20.64	ug/l	99
89) n-Butylbenzene	13.83	91	198386	20.06	ug/l	99
90) Hexachloroethane	14.10	117	37592	20.08	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	105224	20.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7915	20.17	ug/l	100

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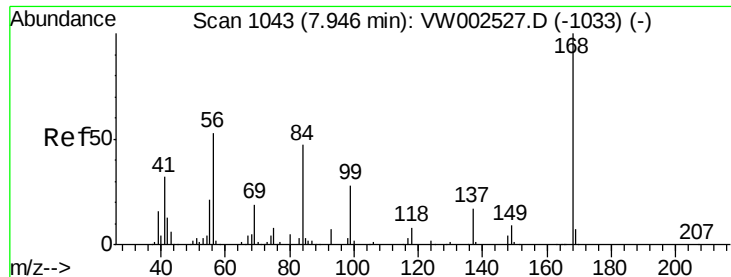
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	77774	20.79	ug/l	99
94) Hexachlorobutadiene	15.25	225	42751	20.53	ug/l	100
95) Naphthalene	15.38	128	145790	21.43	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	70135	20.95	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

Tot Ion:168 Resp: 230864

Ion Ratio Lower Upper

168 100

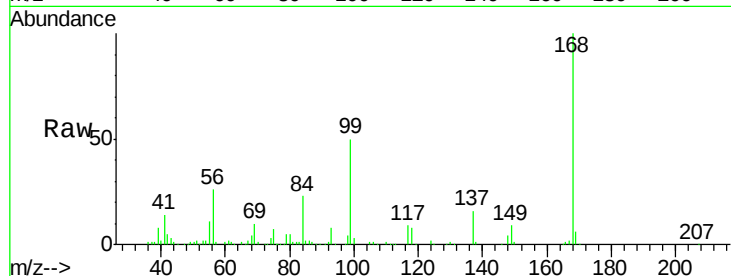
99 50.4 42.6 64.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

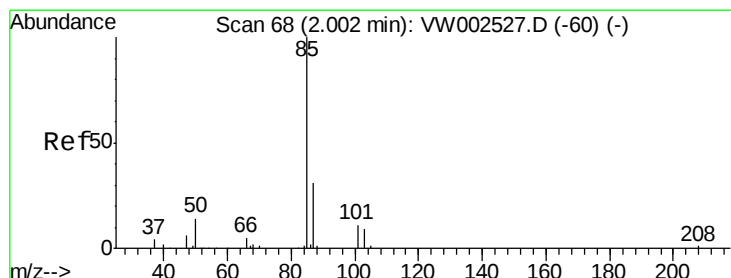
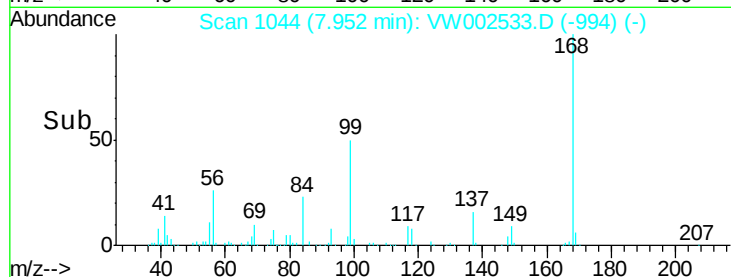
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 15.98 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW002533.D

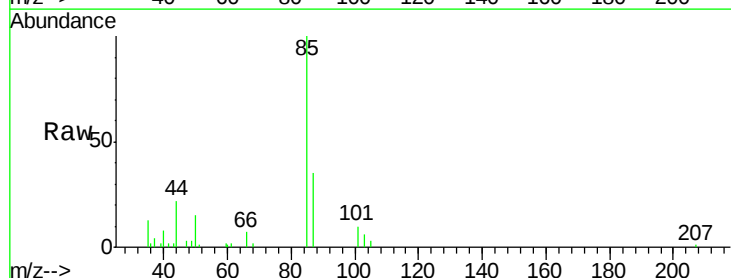
Acq: 15 May 2018 01:26

Tgt Ion: 85 Resp: 14236

Ion Ratio Lower Upper

85 100

87 34.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

5000

4000

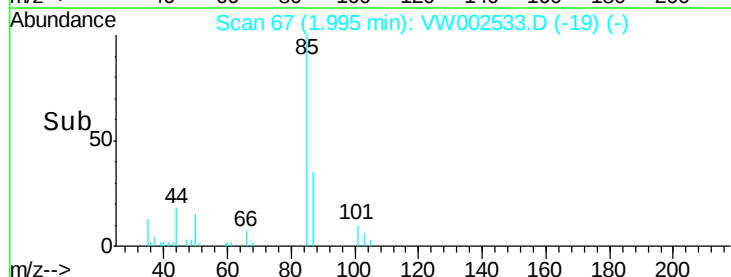
3000

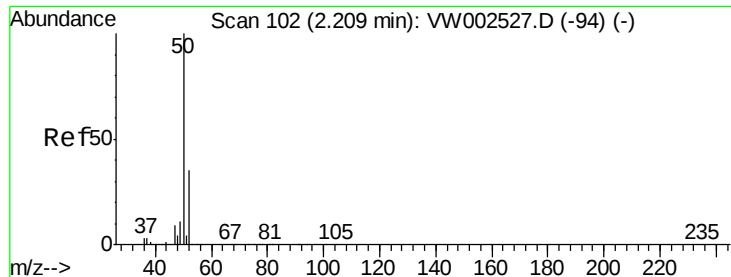
2000

1000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.80 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

Tot Ion: 50 Resp: 33742

Ion Ratio Lower Upper

50 100

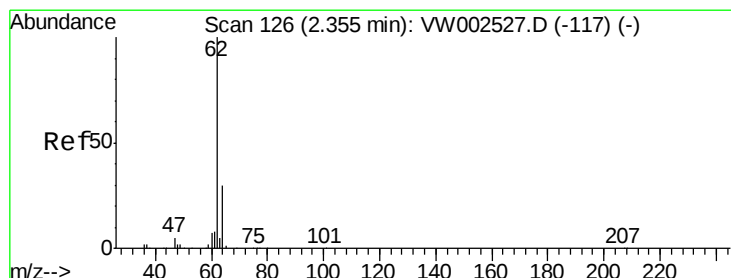
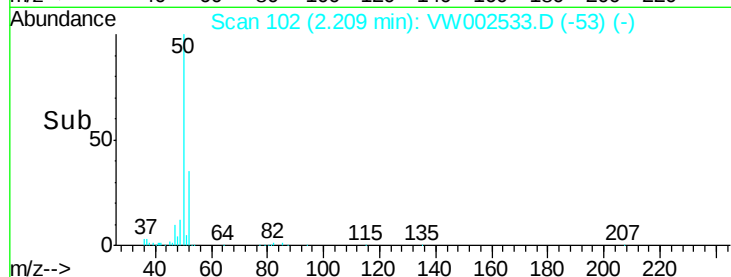
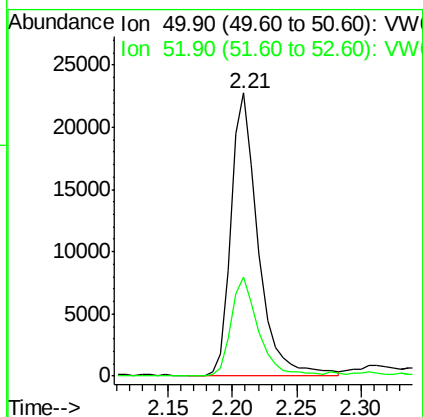
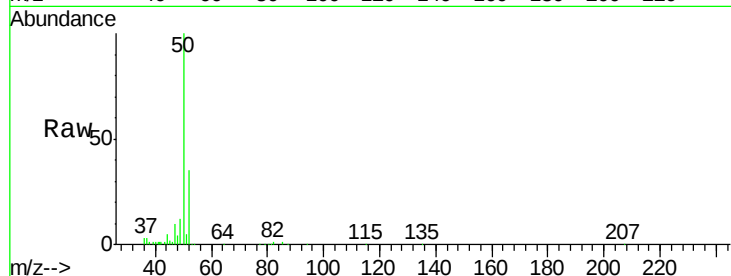
52 35.2 27.8 41.8

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#4

Vinyl Chloride

Concen: 19.41 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002533.D

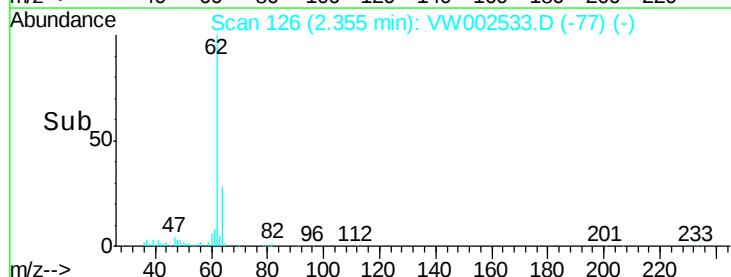
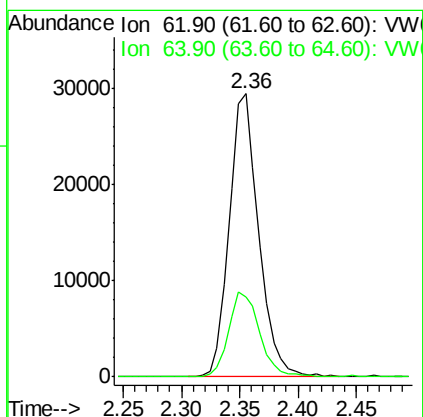
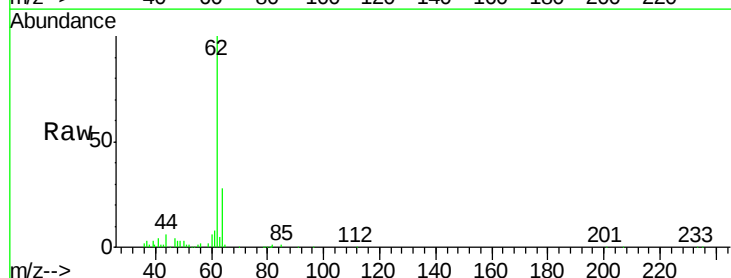
Acq: 15 May 2018 01:26

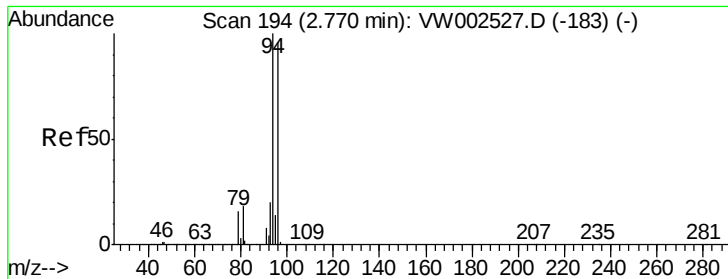
Tgt Ion: 62 Resp: 51857

Ion Ratio Lower Upper

62 100

64 28.1 24.0 36.0





#5

Bromomethane

Concen: 20.61 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

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VW0515SBS01

Tot Ion: 94 Resp: 45152

Ion Ratio Lower Upper

94 100

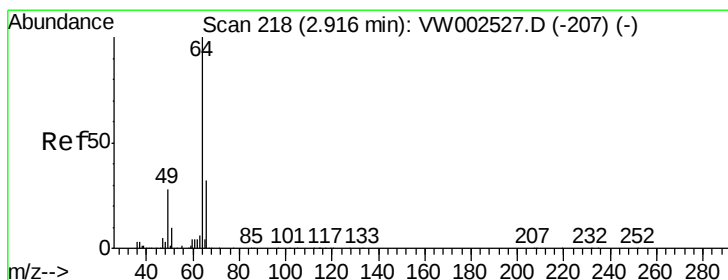
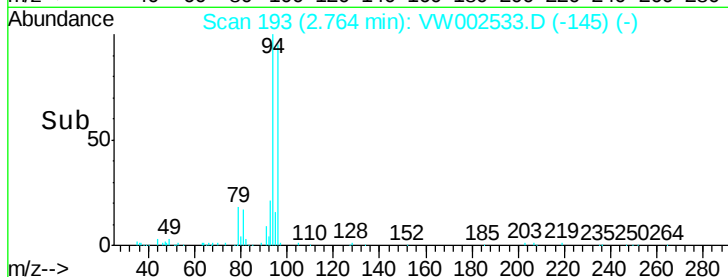
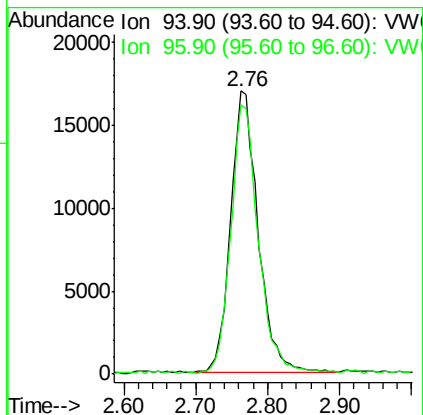
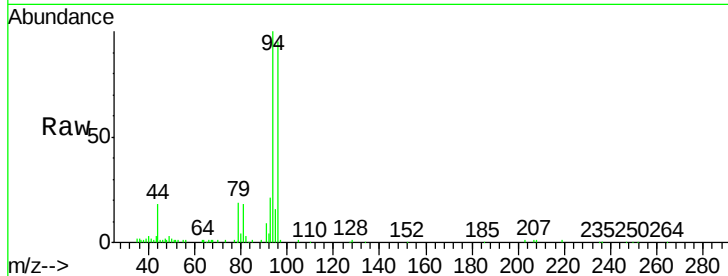
96 95.2 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 20.51 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW002533.D

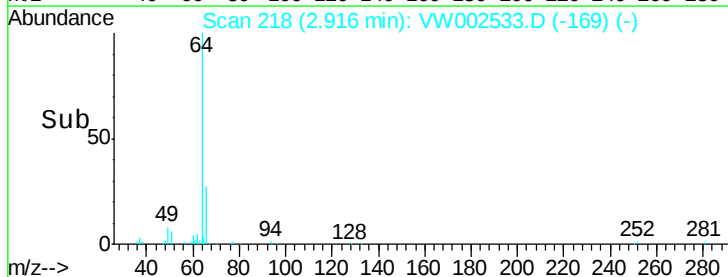
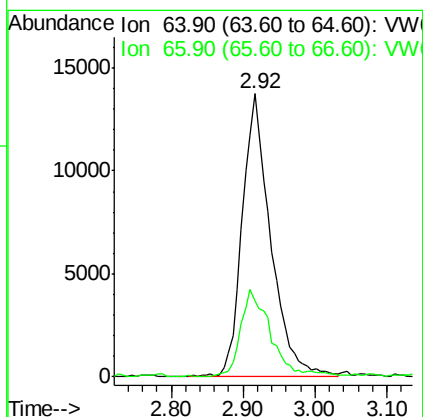
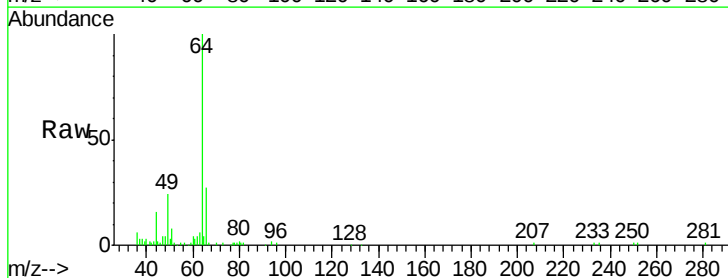
Acq: 15 May 2018 01:26

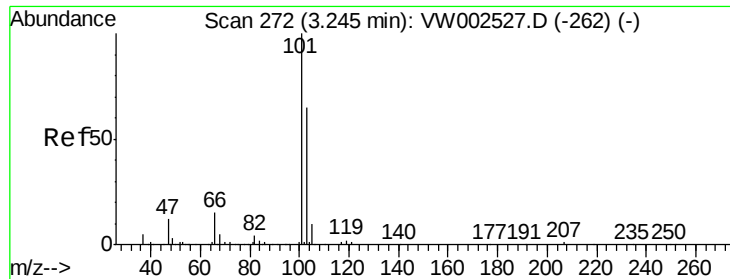
Tgt Ion: 64 Resp: 37720

Ion Ratio Lower Upper

64 100

66 26.5 25.8 38.8





#7

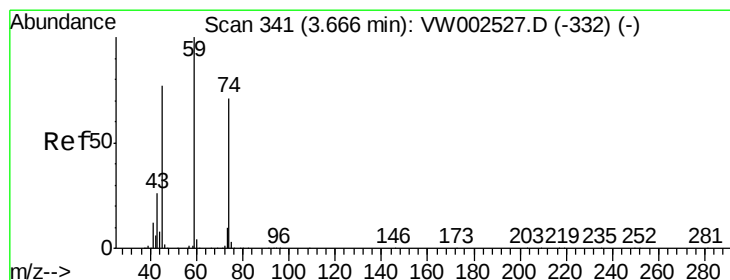
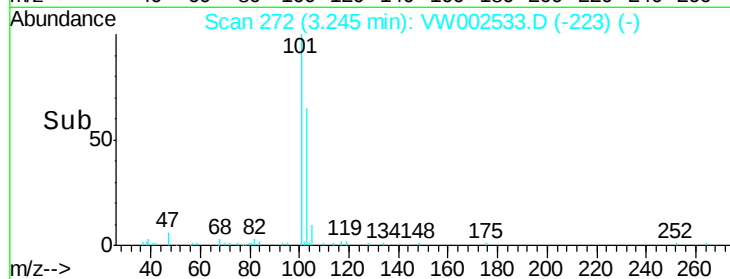
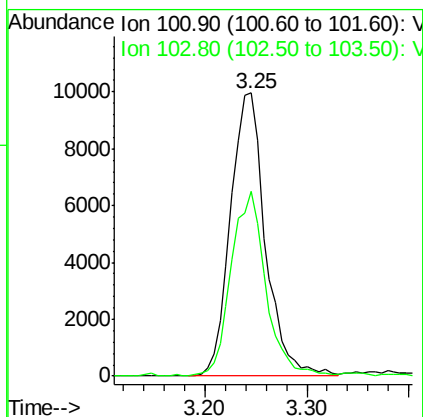
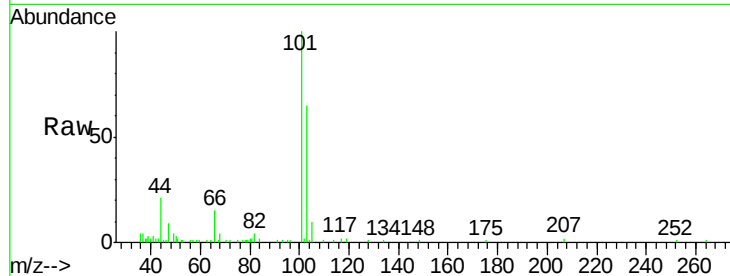
Trichlorofluoromethane
 Concen: 20.06 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

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 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.8

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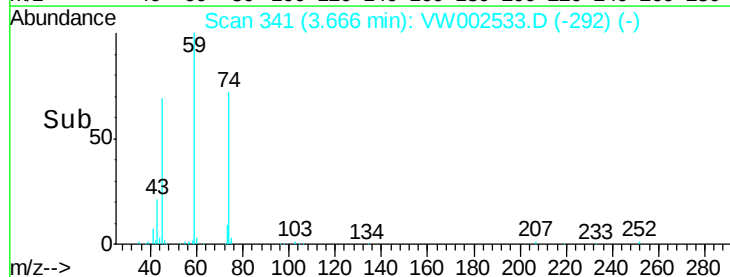
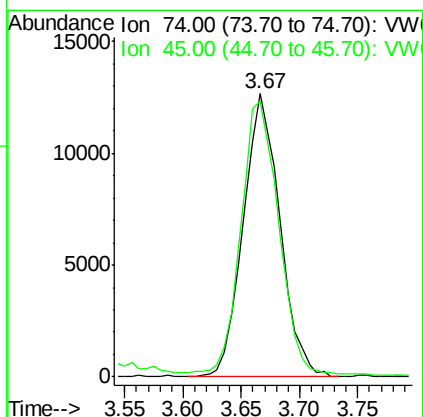
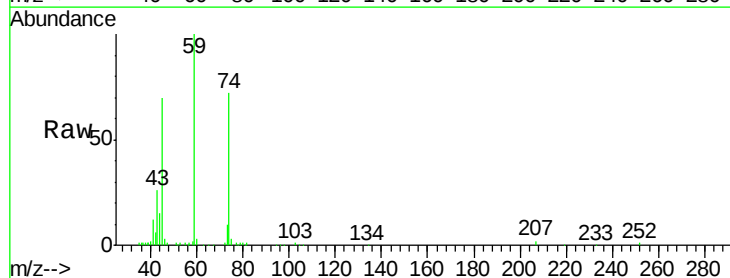
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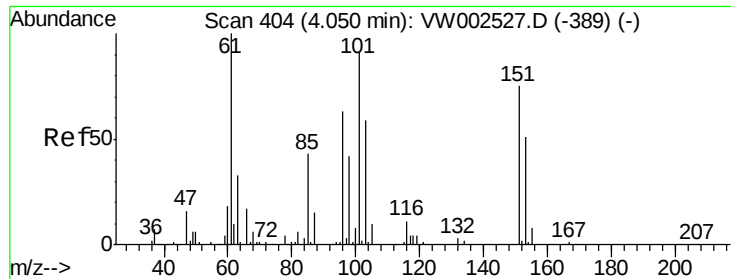


#8

Diethyl Ether
 Concen: 19.75 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.3	156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.38 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

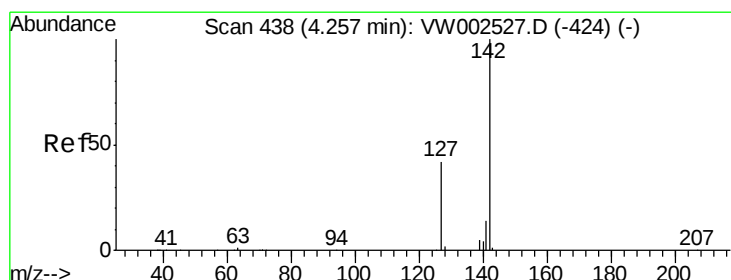
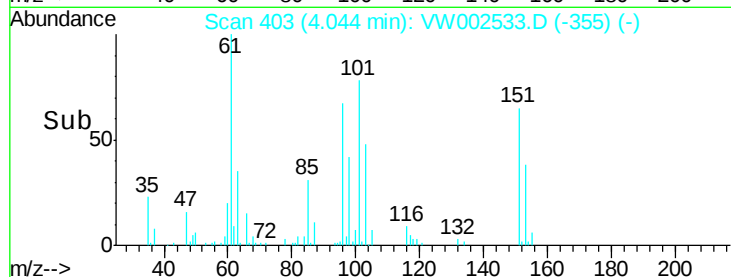
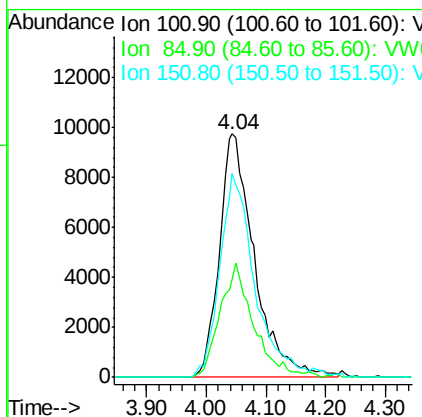
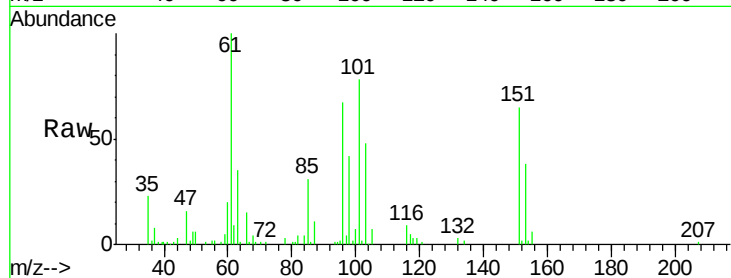
ClientSampleId :

VW0515SBS01

Tot Ion:	101	Resp:	39757
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.5	54.7
151	82.7	66.7	100.1

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#10

Methyl Iodide

Concen: 20.35 ug/l

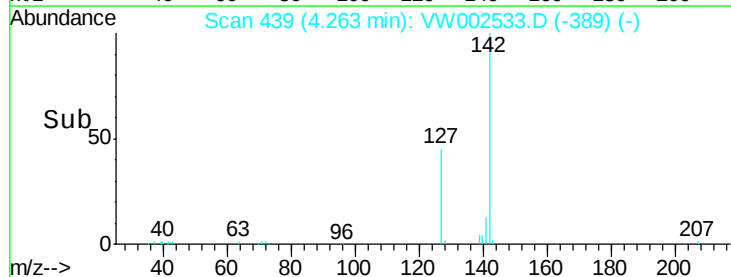
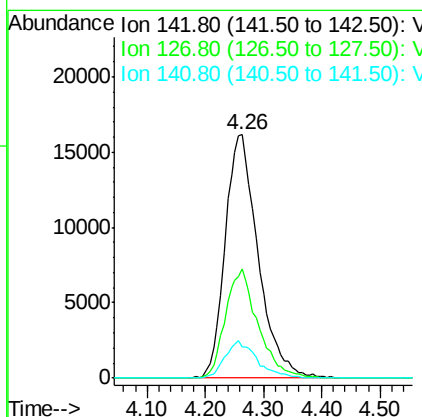
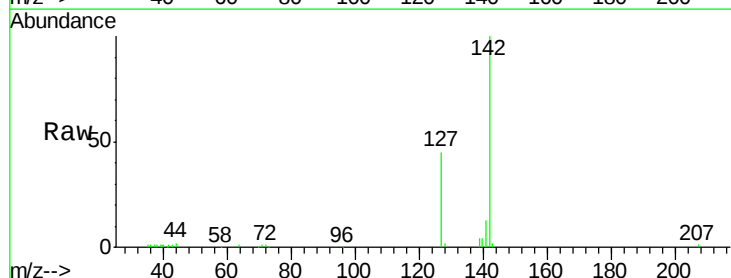
RT: 4.26 min Scan# 439

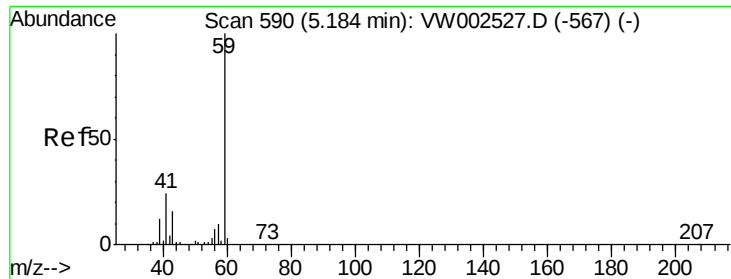
Delta R.T. 0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion:	142	Resp:	63270
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.6	52.0
141	15.0	11.8	17.8





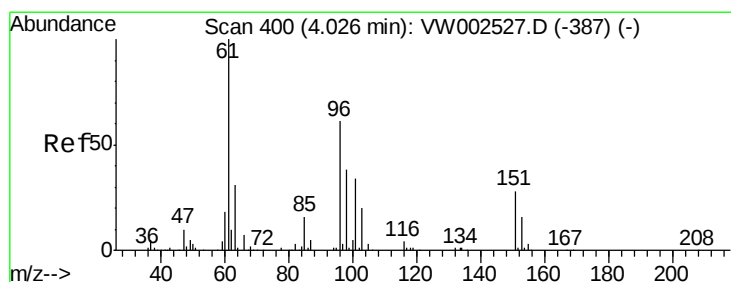
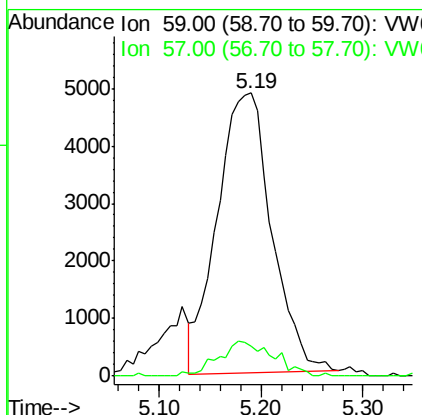
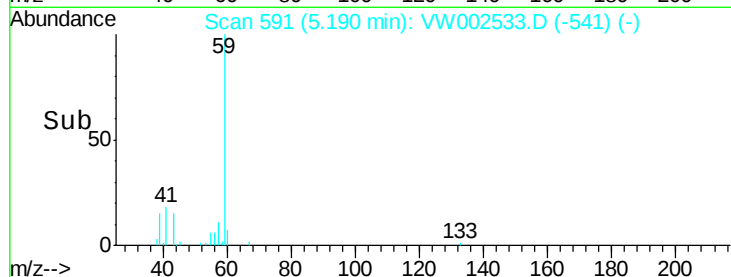
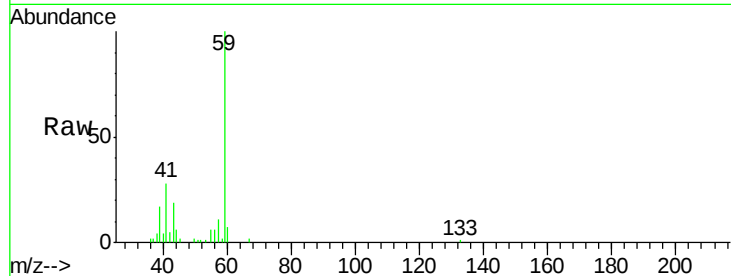
#11
Tert butvl alcohol
Concen: 97.95 ug/l
RT: 5.19 min Scan# 591
Delta R.T. 0.01 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion: 59 Resp: 17963
Ion Ratio Lower Upper
59 100
57 12.6 8.2 12.4#

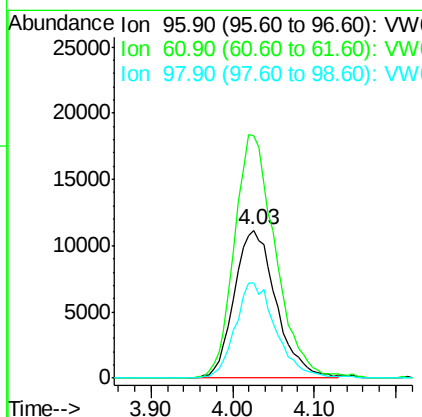
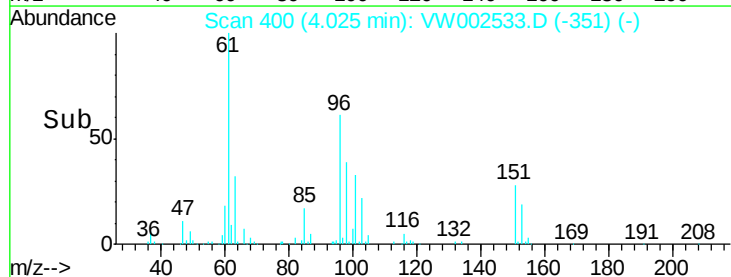
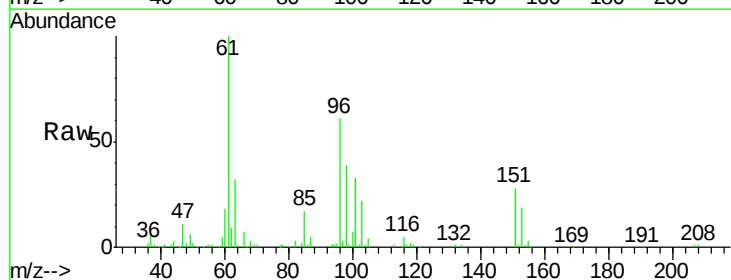
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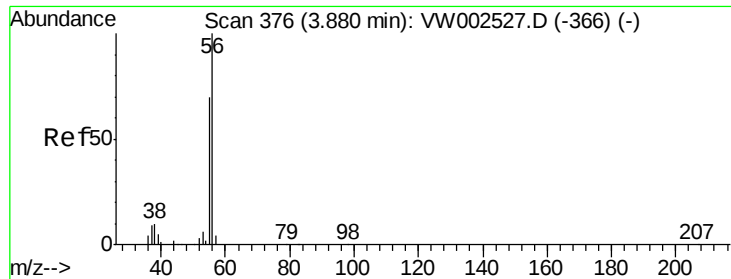
apatel
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#12
1,1-Dichloroethene
Concen: 20.59 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 96 Resp: 39754
Ion Ratio Lower Upper
96 100
61 163.8 132.2 198.2
98 64.2 50.6 76.0





#13

Acrolein

Concen: 108.71 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

Tot Ion: 56 Resp: 19639

Ion Ratio Lower Upper

56 100

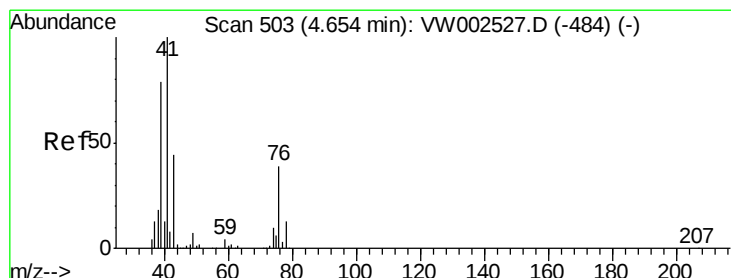
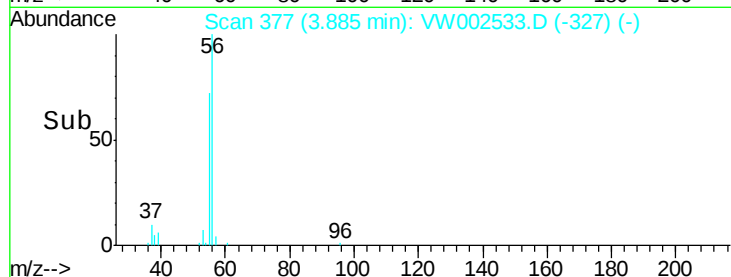
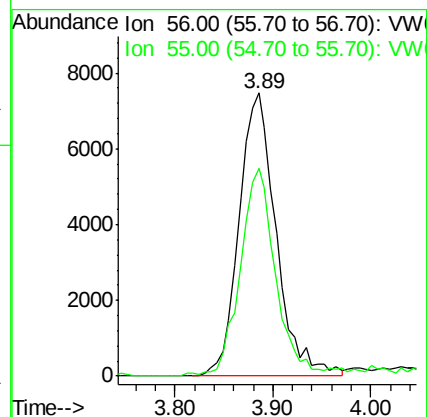
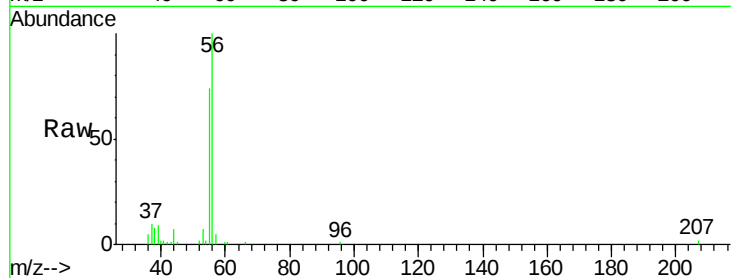
55 69.9 57.0 85.4

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#14

Allyl chloride

Concen: 21.11 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

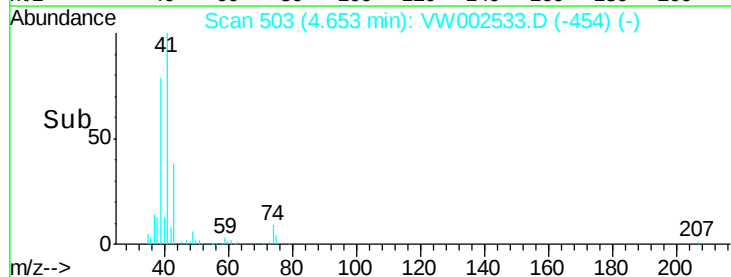
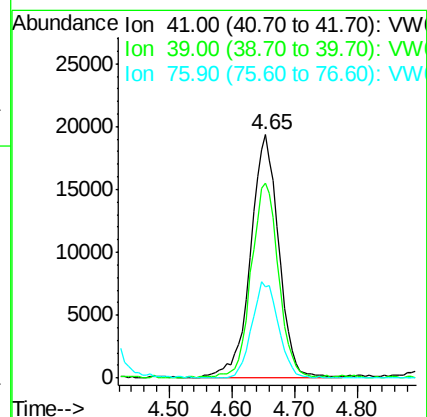
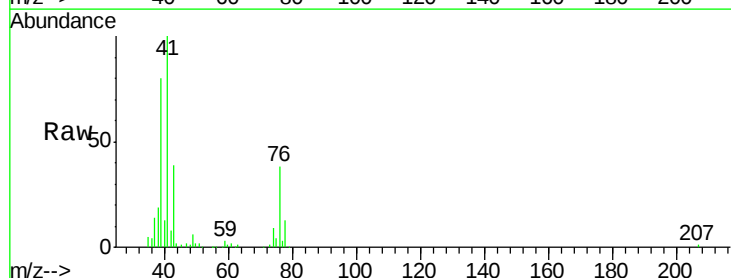
Tgt Ion: 41 Resp: 60483

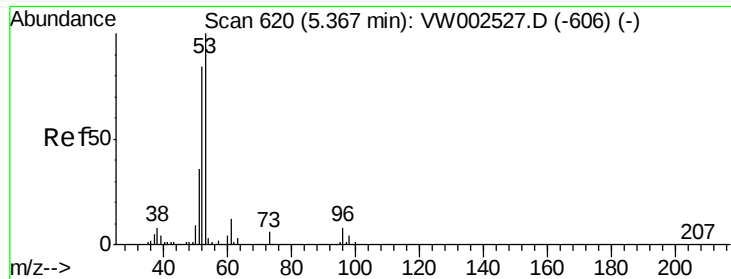
Ion Ratio Lower Upper

41 100

39 76.1 61.4 92.2

76 37.1 29.6 44.4





#15

Acrylonitrile

Concen: 104.61 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

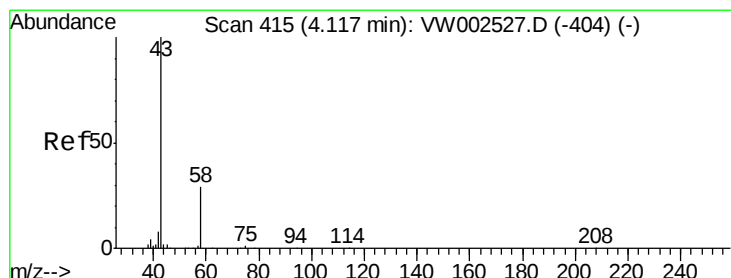
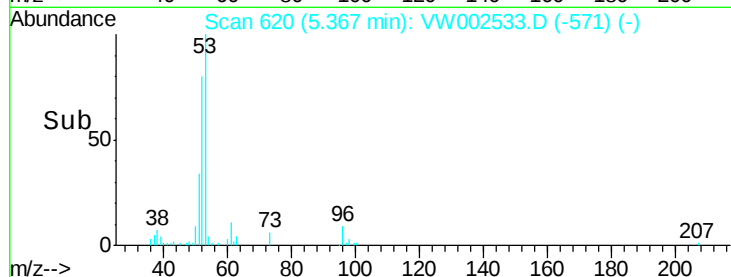
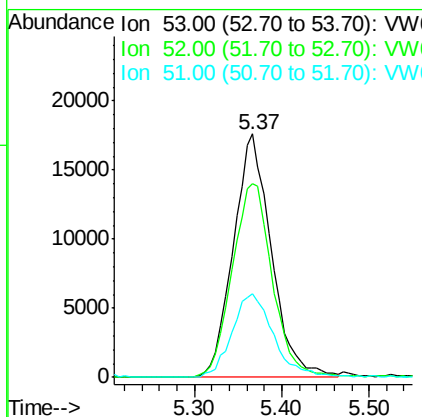
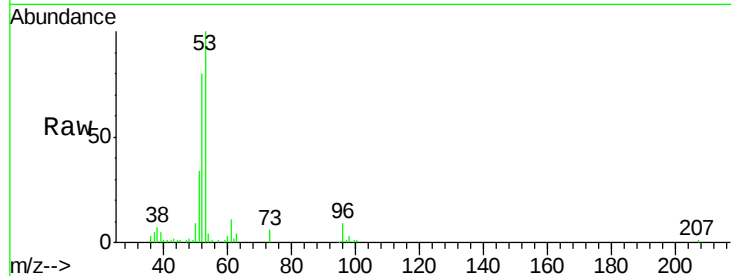
ClientSampleId :

VW0515SBS01

Tot Ion:	53	Resp:	53153
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.6	100.0
51	37.4	30.6	46.0

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#16

Acetone

Concen: 102.78 ug/l

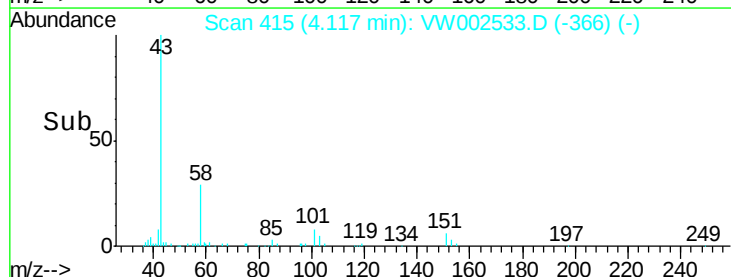
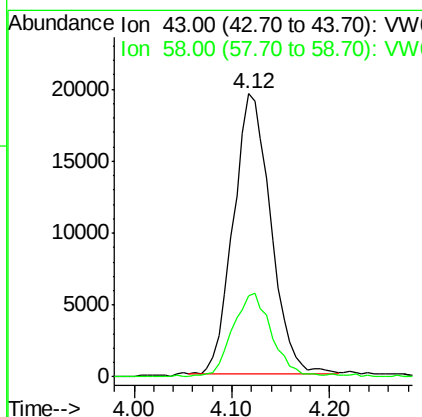
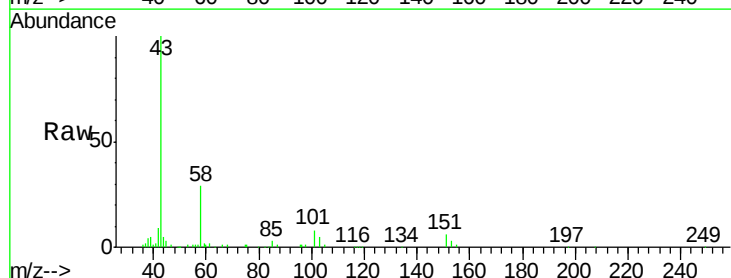
RT: 4.12 min Scan# 415

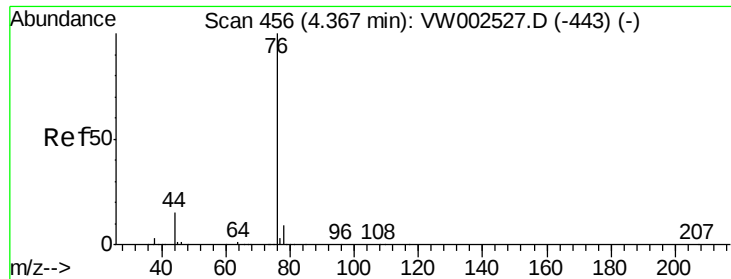
Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion:	43	Resp:	51765
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.4	35.0





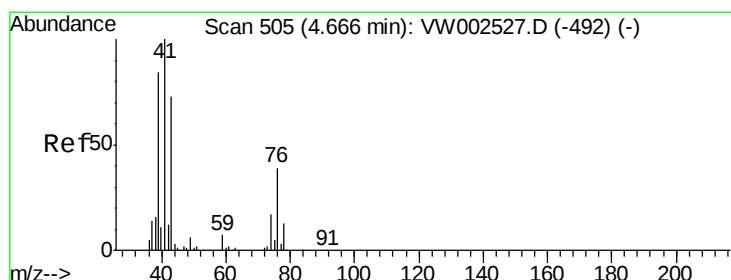
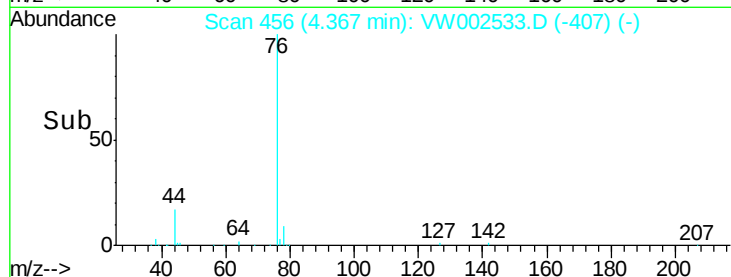
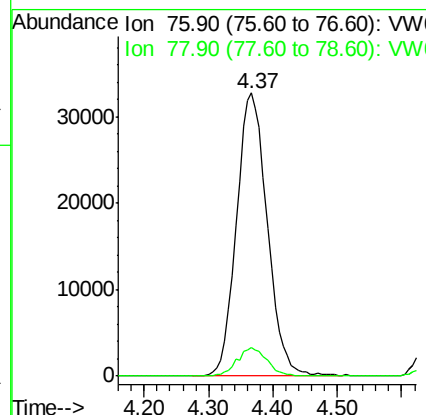
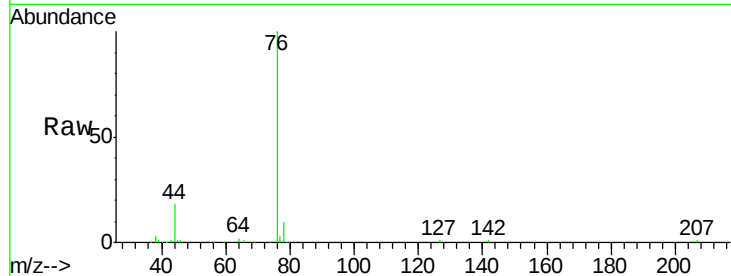
#17
Carbon Disulfide
Concen: 20.48 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.5	11.3

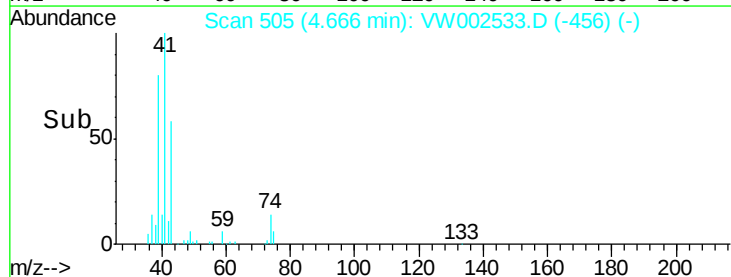
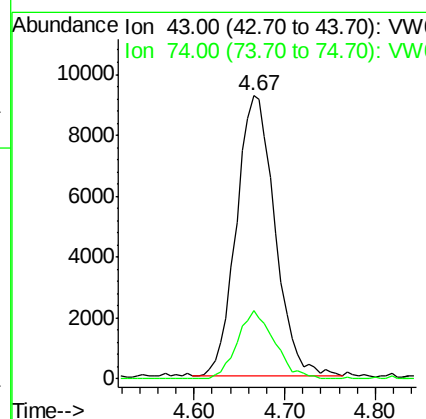
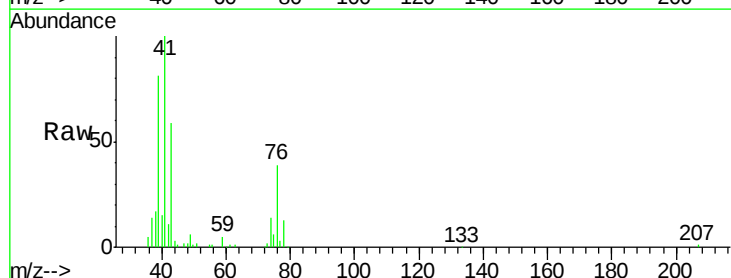
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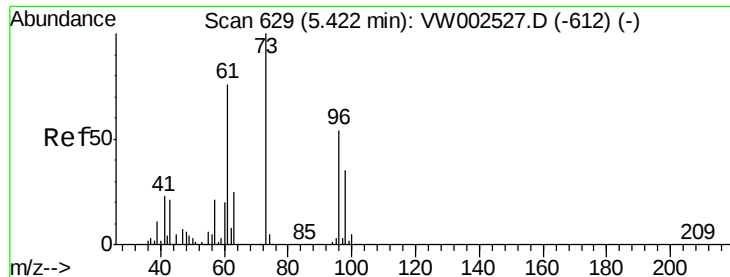
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#18
Methyl Acetate
Concen: 18.55 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8





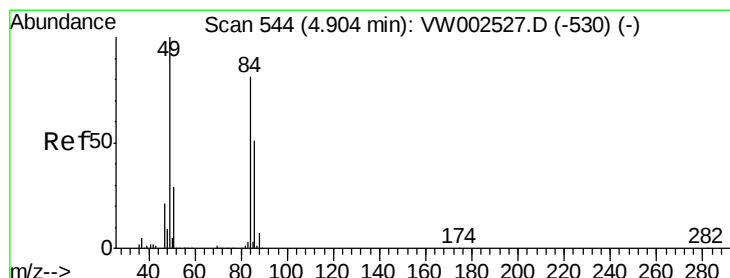
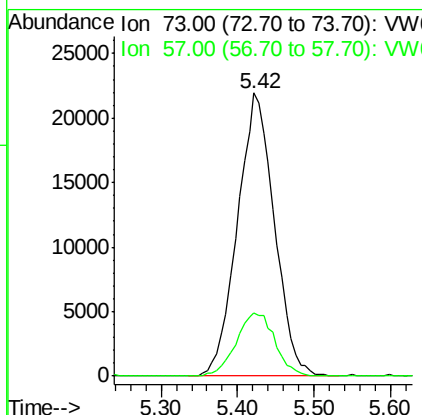
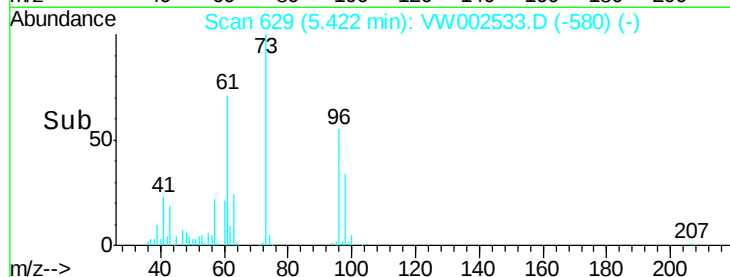
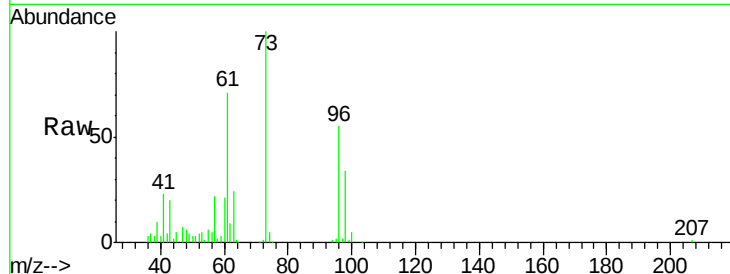
#19
Methvl tert-butvl Ether
Concen: 20.73 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion: 73 Resp: 73539
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.6

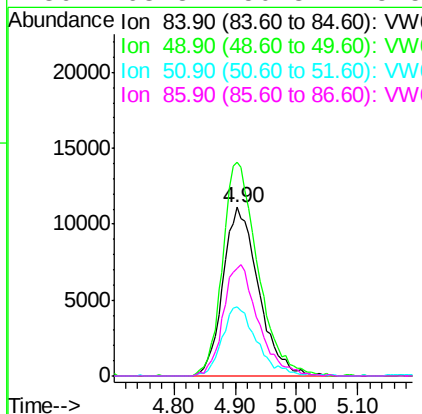
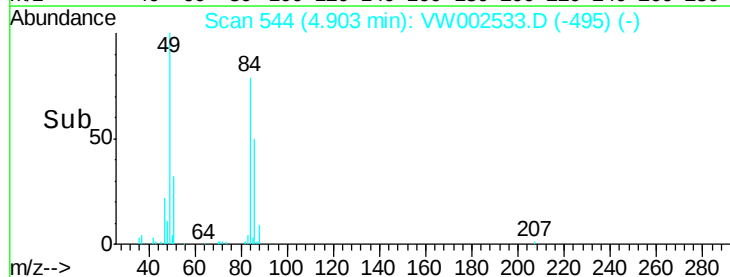
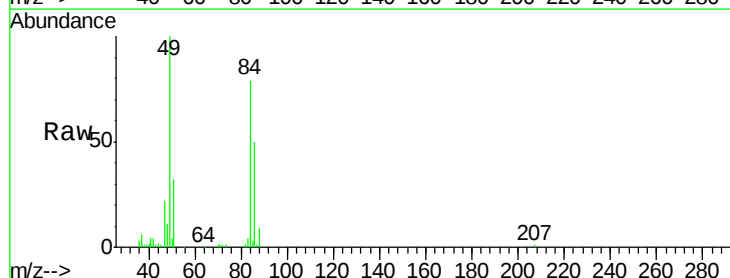
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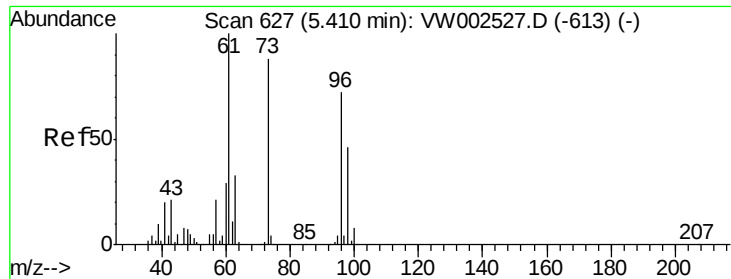
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#20
Methylene Chloride
Concen: 20.65 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 84 Resp: 44611
Ion Ratio Lower Upper
84 100
49 126.8 99.4 149.0
51 40.9 29.0 43.6
86 63.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.81 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

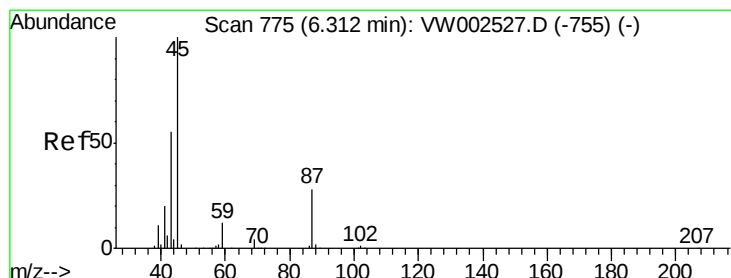
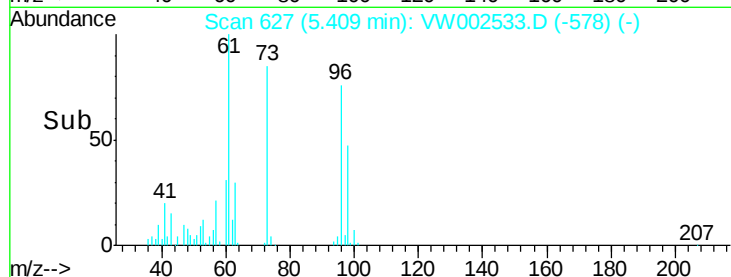
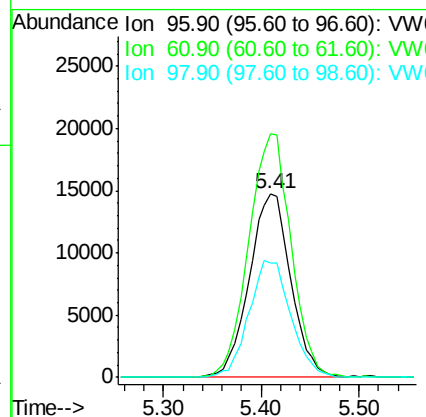
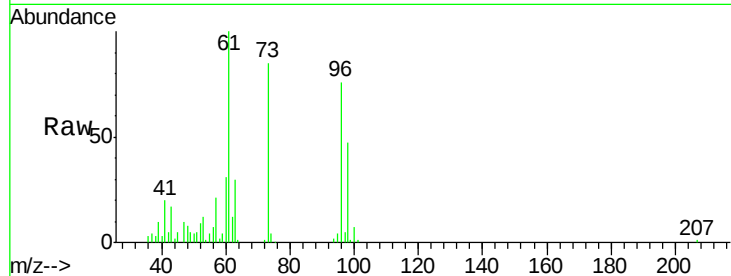
ClientSampleId :

VW0515SBS01

Tot Ion:	96	Resp:	43447
Ion	Ratio	Lower	Upper
96	100		
61	132.4	111.6	167.4
98	62.1	51.7	77.5

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#22

Diisopropyl ether

Concen: 20.65 ug/l

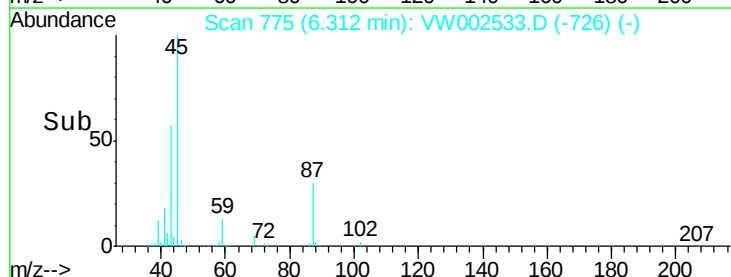
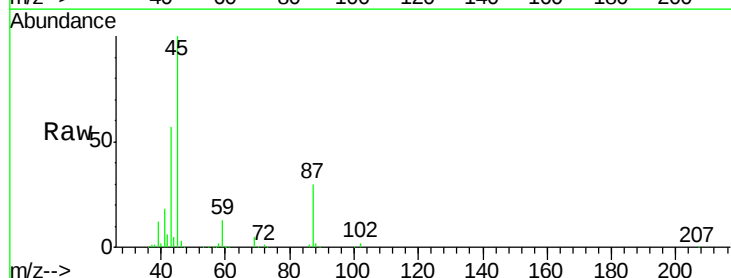
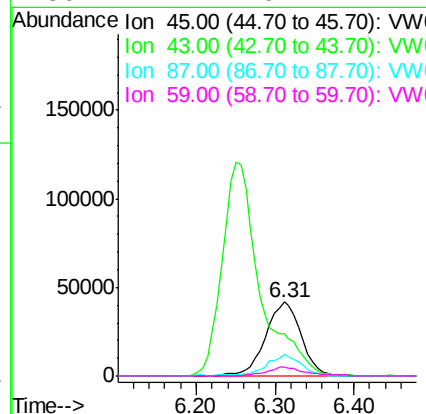
RT: 6.31 min Scan# 775

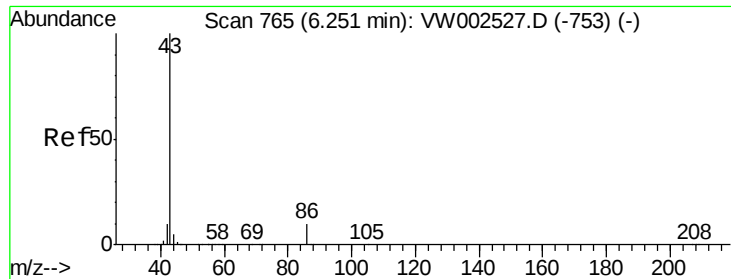
Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion:	45	Resp:	131083
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.4	66.6
87	29.1	23.0	34.4
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 104.98 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

Tot Ion: 43 Resp: 403829

Ion Ratio Lower Upper

43 100

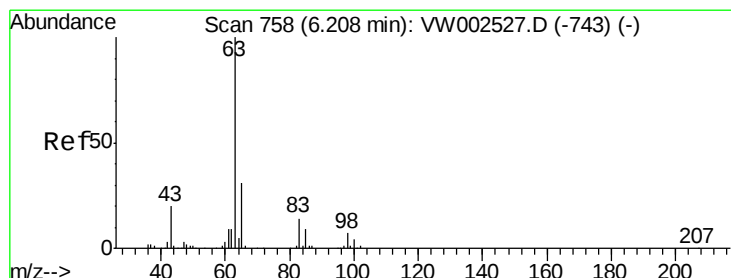
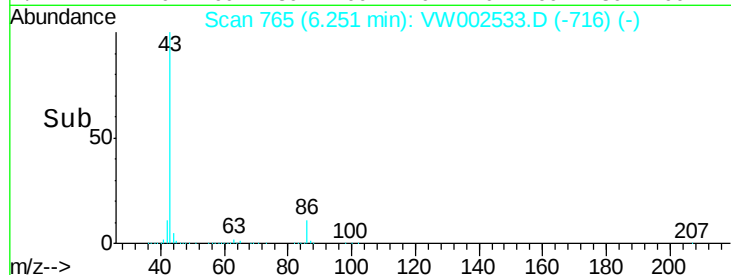
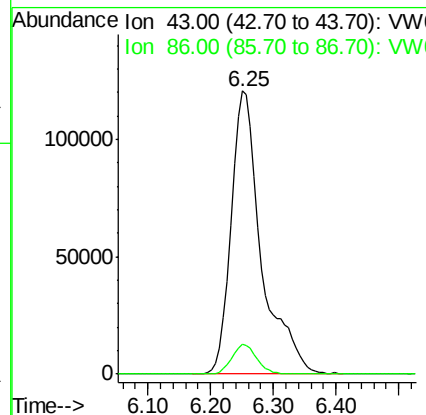
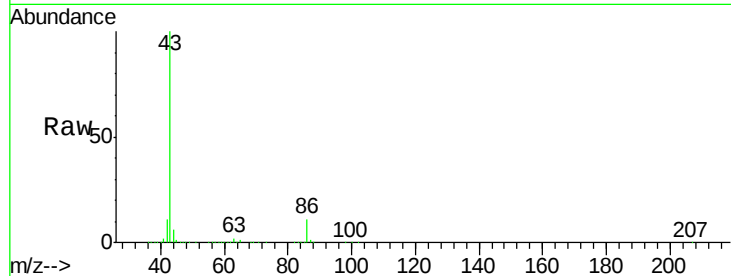
86 10.7 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 20.91 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

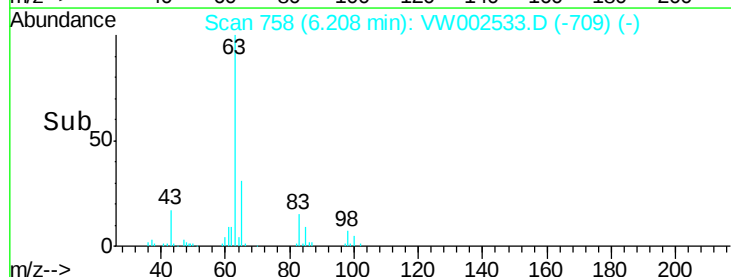
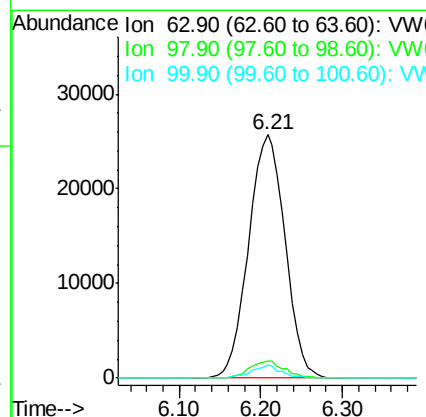
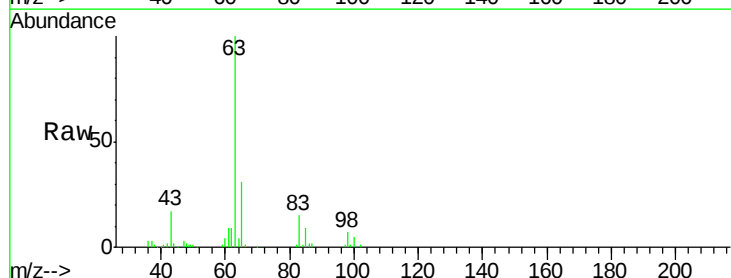
Tgt Ion: 63 Resp: 79987

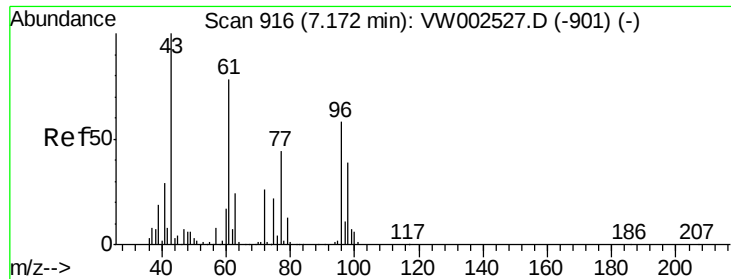
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 5.2 2.1 6.5





#25

2-Butanone

Concen: 105.36 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

Tot Ion: 43 Resp: 75039

Ion Ratio Lower Upper

43 100

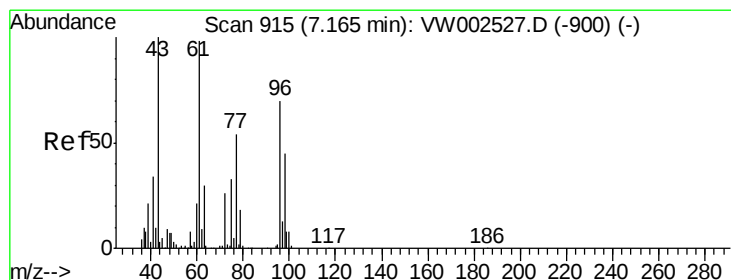
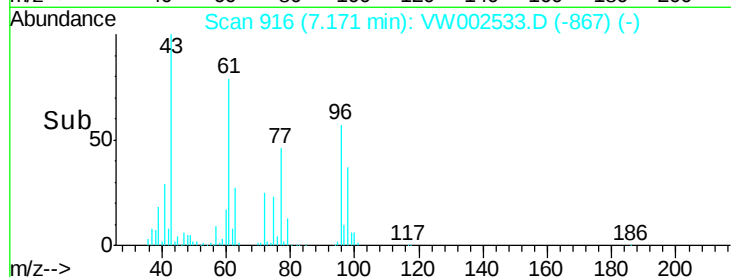
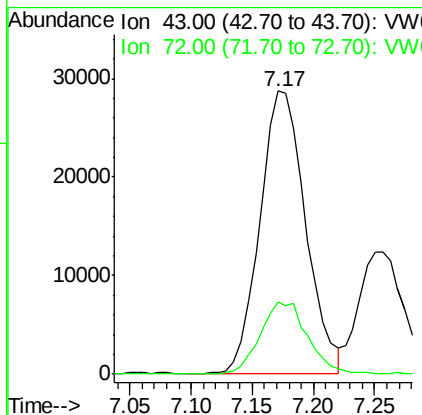
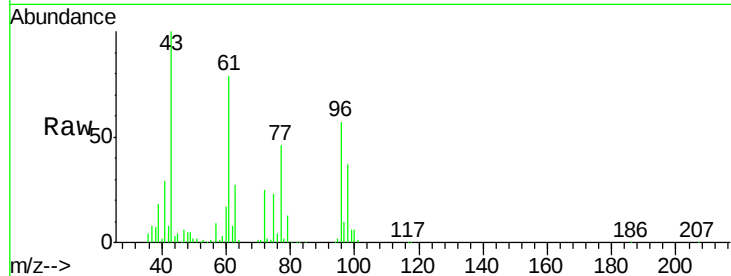
72 25.3 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 19.22 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002533.D

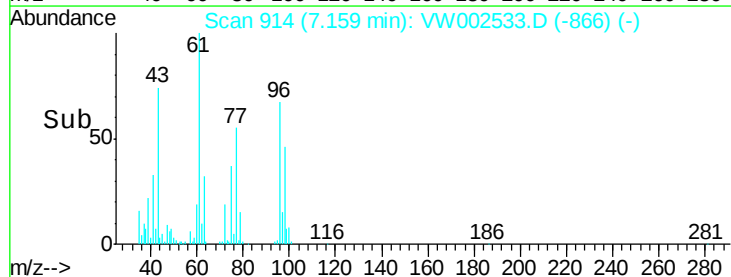
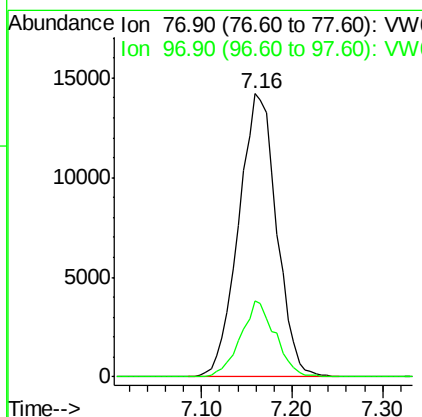
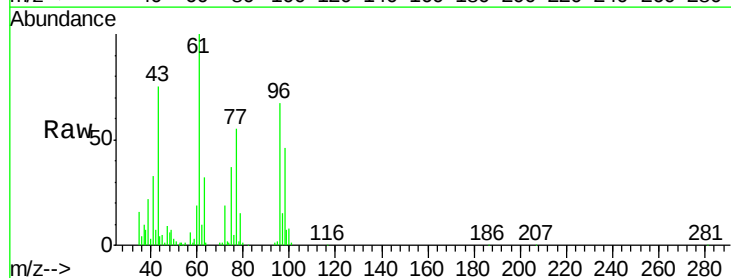
Acq: 15 May 2018 01:26

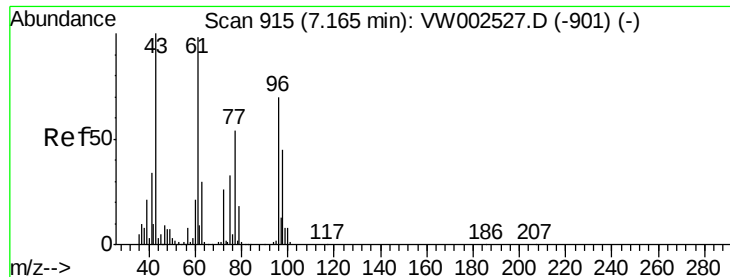
Tgt Ion: 77 Resp: 41203

Ion Ratio Lower Upper

77 100

97 24.5 12.1 36.3





#27

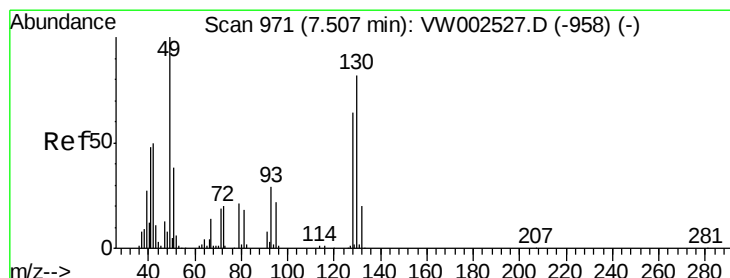
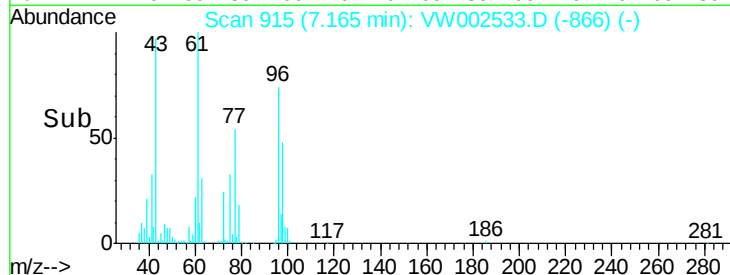
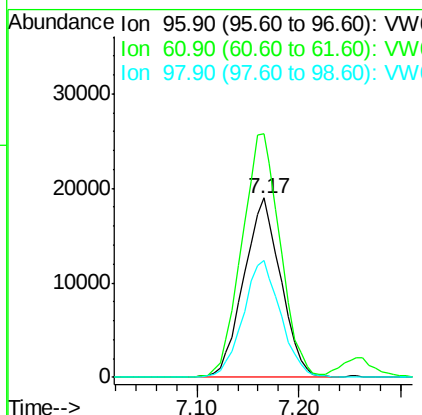
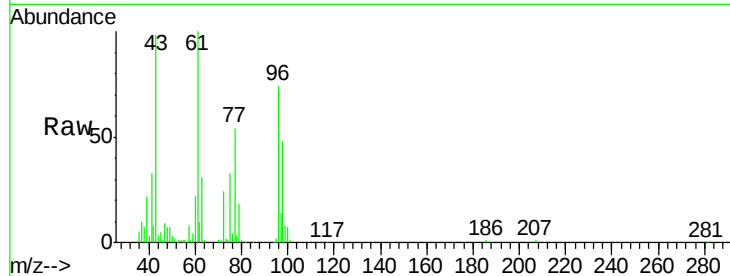
cis-1,2-Dichloroethene
 Concen: 20.14 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	281.6
98	65.7	0.0	130.8

Manual Integrations
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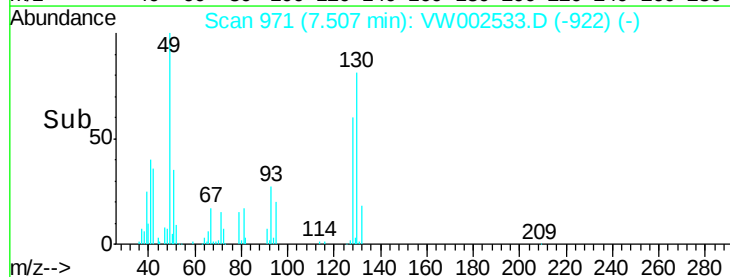
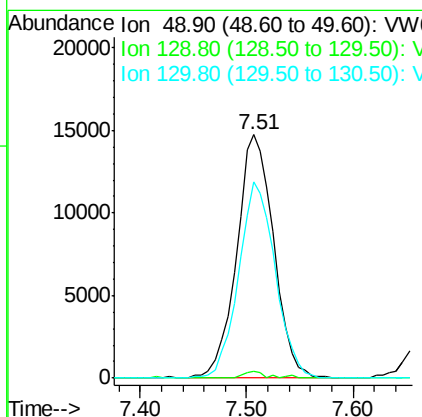
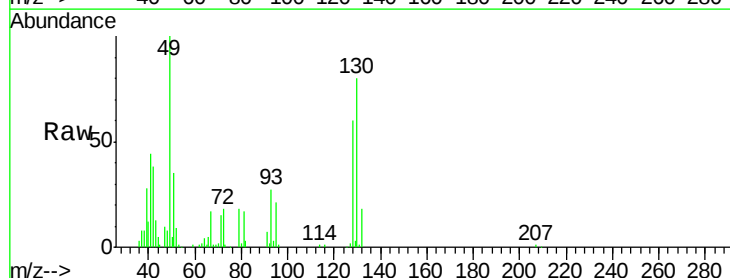
apatel
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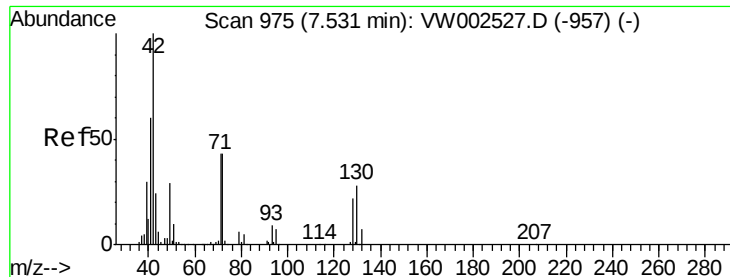


#28

Bromochloromethane
 Concen: 21.02 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.4
130	79.9	64.7	97.1





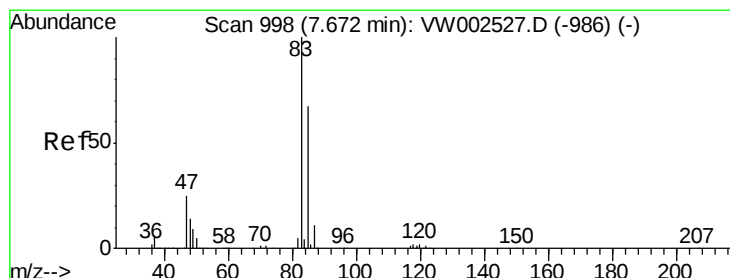
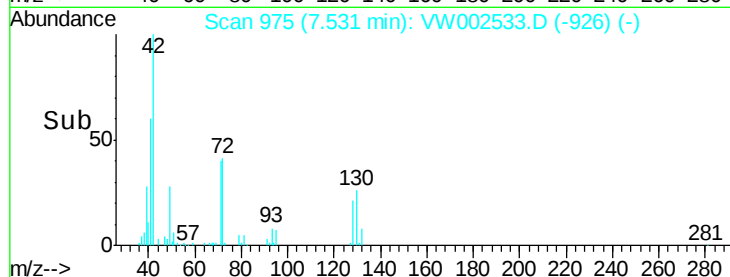
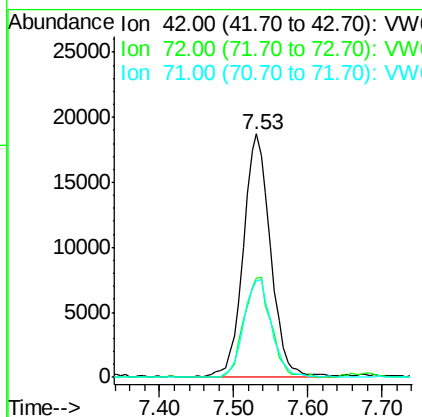
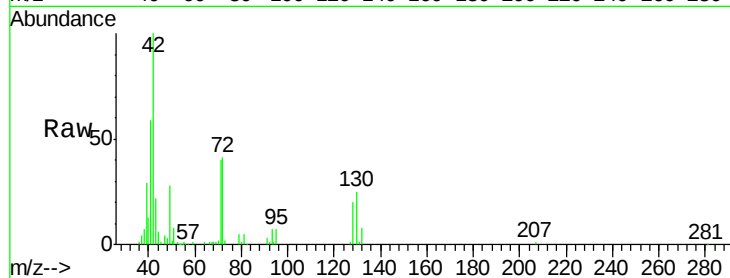
#29
Tetrahydrofuran
Concen: 108.47 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	35.0	52.4
71	40.7	33.0	49.6

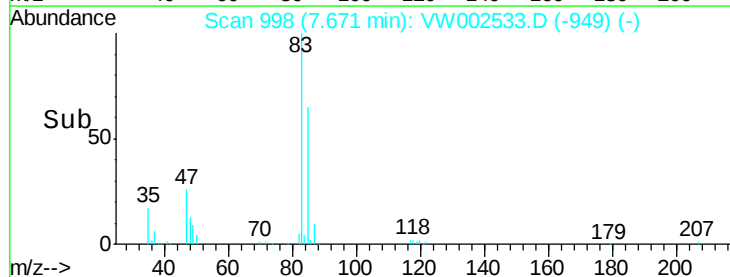
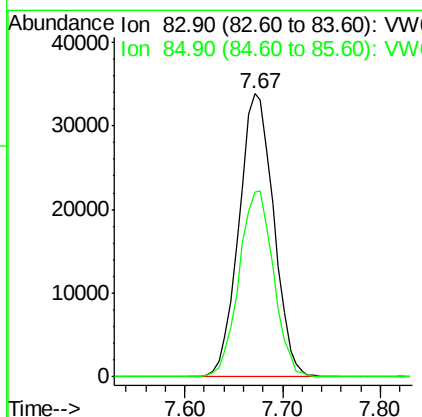
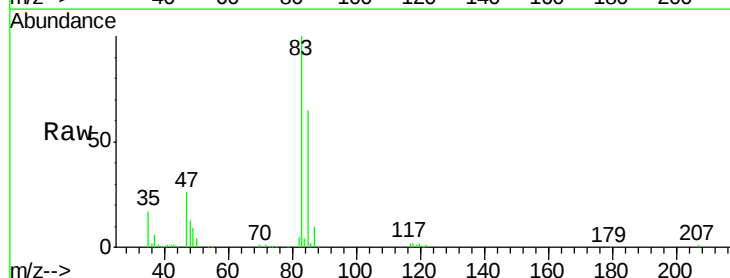
Manual Integrations
APPROVED

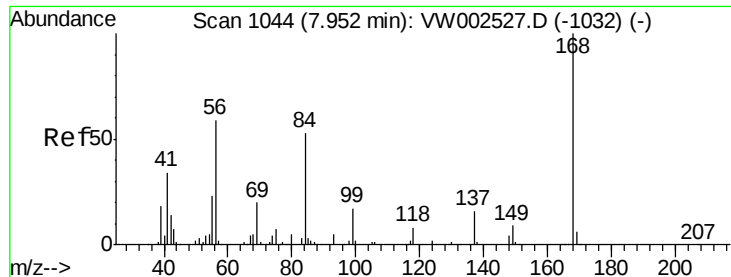
apatel
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#30
Chloroform
Concen: 20.42 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.9	80.9





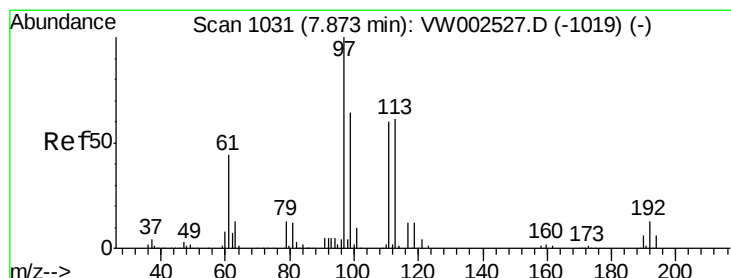
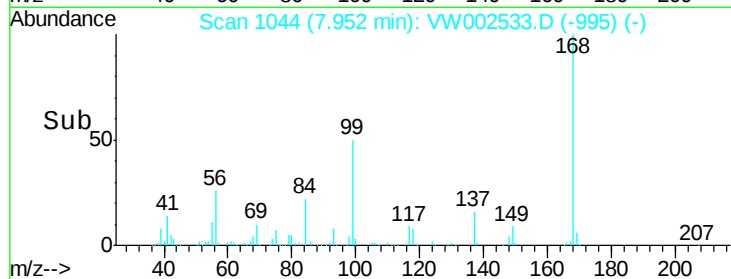
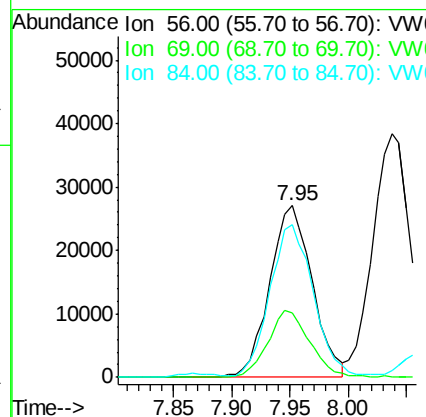
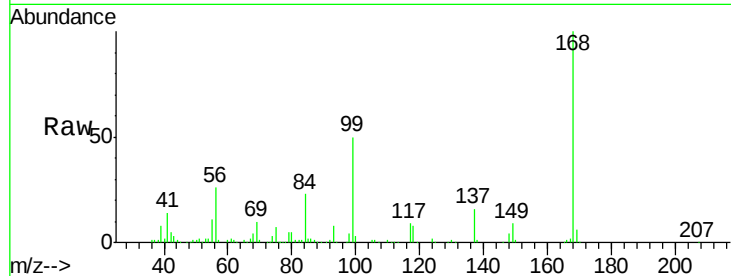
#31
Cyclohexane
Concen: 20.22 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	56	Resp	68510
Ion Ratio	Lower	Upper	
56	100		
69	37.7	27.0	40.4
84	86.7	72.2	108.2

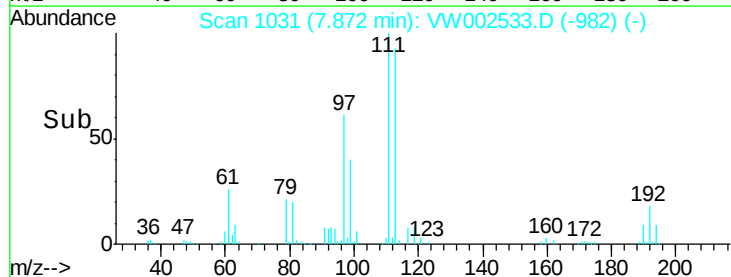
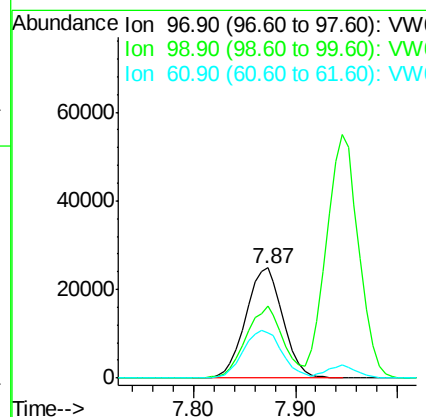
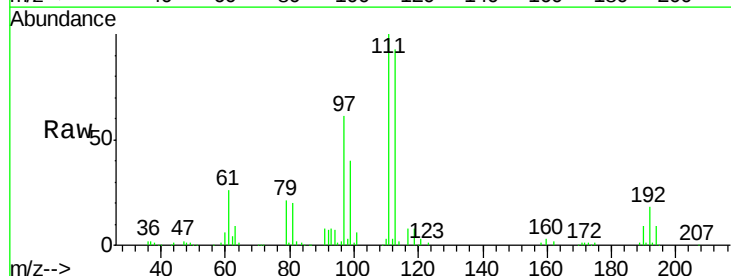
Manual Integrations
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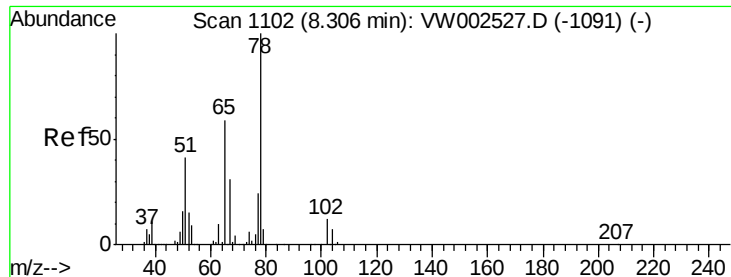
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#32
1,1,1-Trichloroethane
Concen: 20.46 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	97	Resp	63041
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.1	76.7
61	44.9	35.9	53.9





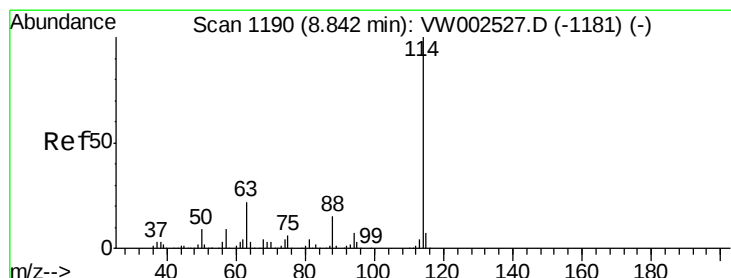
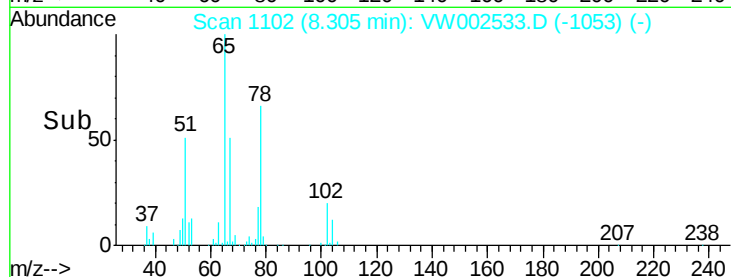
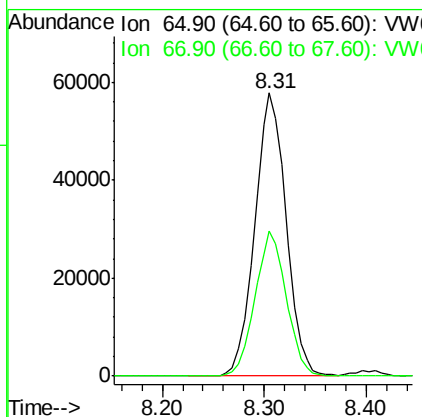
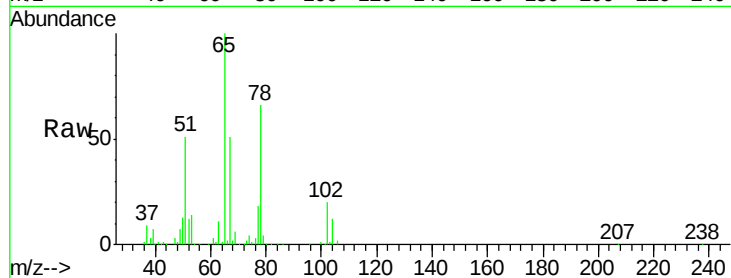
#33
 1,2-Dichloroethane-d4
 Concen: 51.75 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123451		
67	51.0	0.0	104.4	

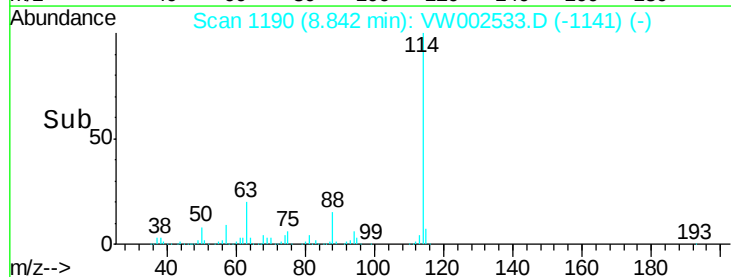
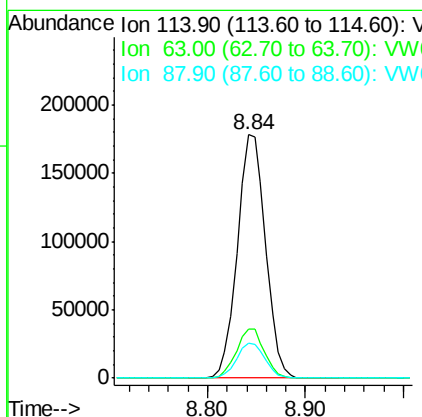
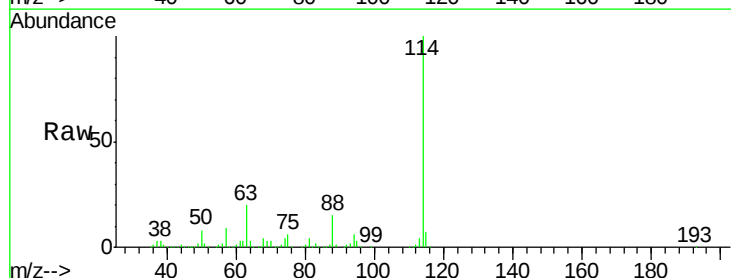
Manual Integrations
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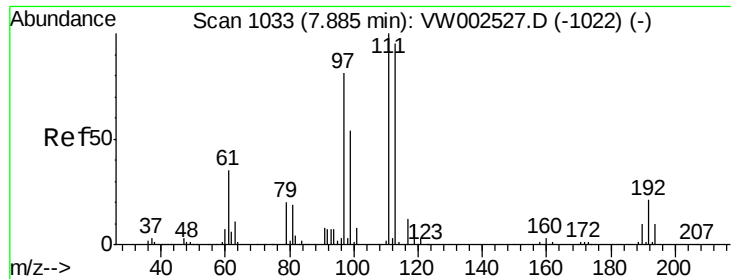
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	354737		
63	20.0	0.0	43.2	
88	14.5	0.0	29.2	





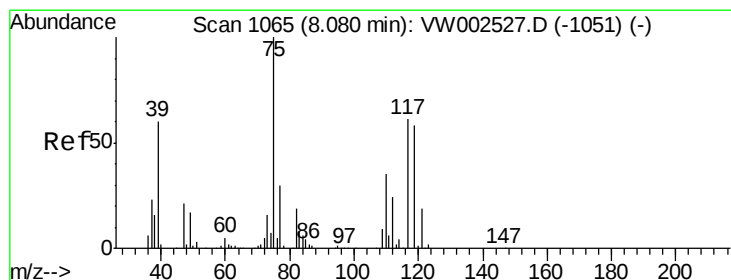
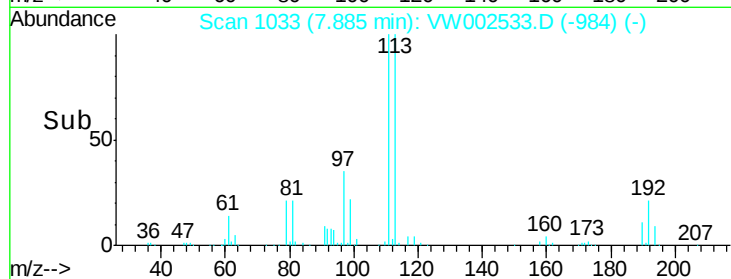
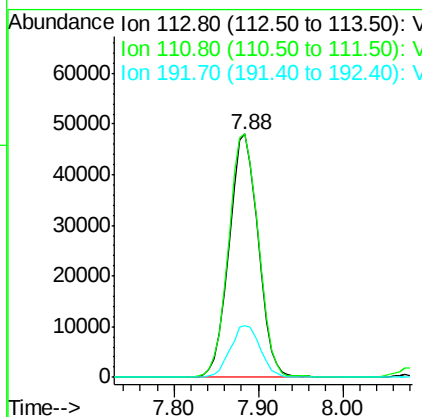
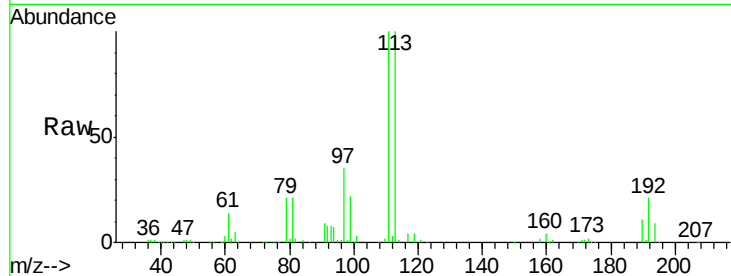
#35
 Dibromofluoromethane
 Concen: 49.84 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112162		
111	102.7	81.8	122.8	
192	21.8	17.5	26.3	

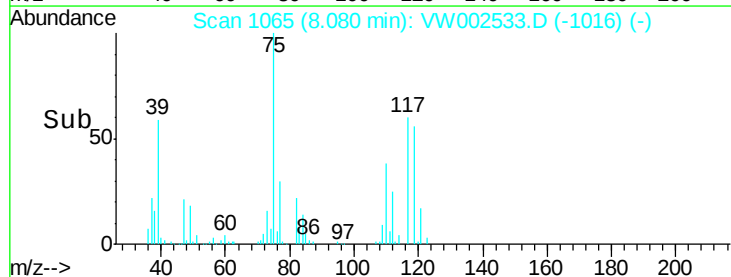
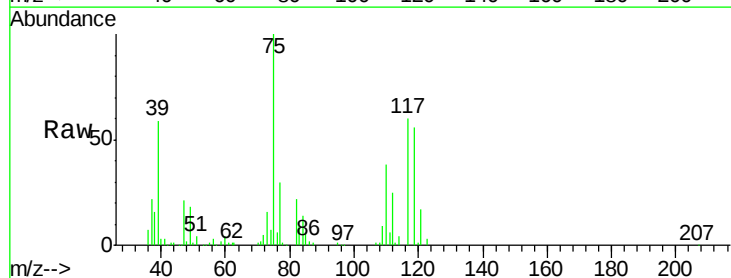
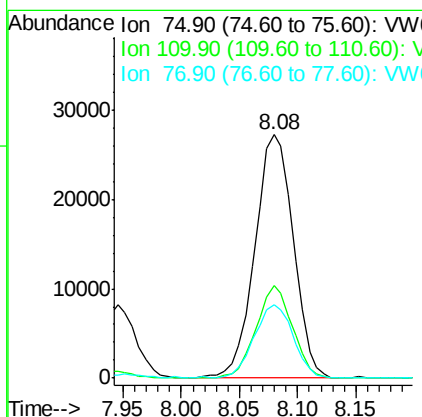
Manual Integrations
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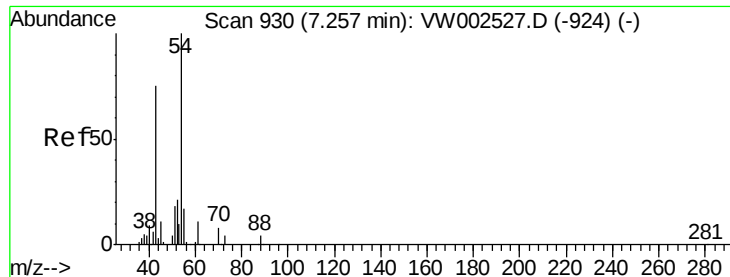
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#36
 1,1-Dichloropropene
 Concen: 19.96 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62472		
110	35.9	17.8	53.5	
77	30.9	24.5	36.7	





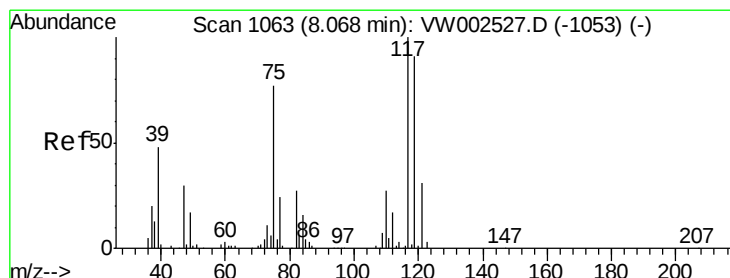
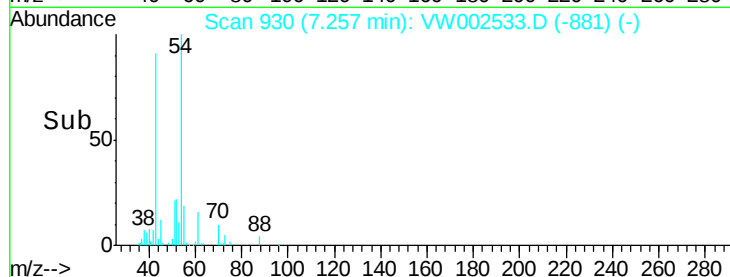
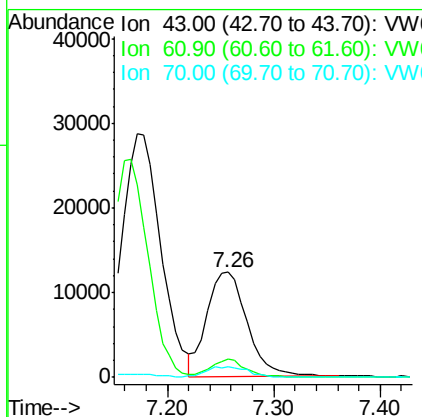
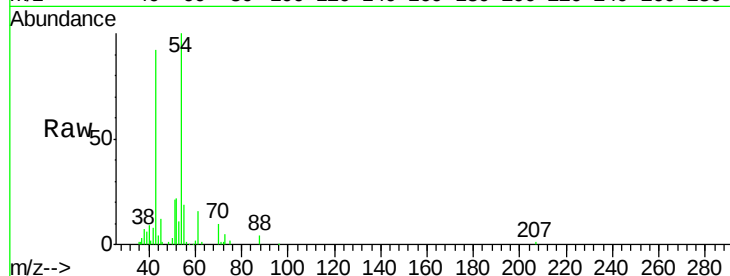
#37
Ethyl Acetate
Concen: 20.73 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	43	Resp	32187
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.1	16.7
70	10.6	7.8	11.8

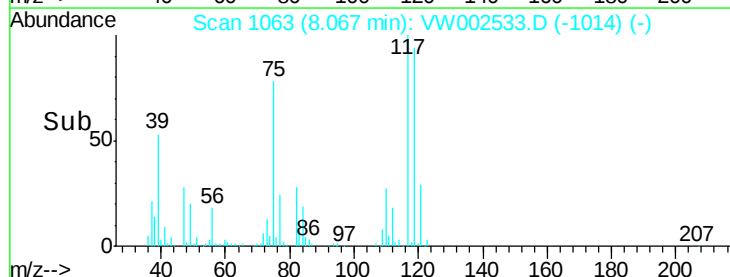
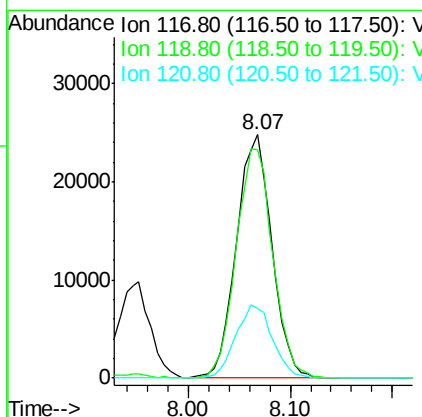
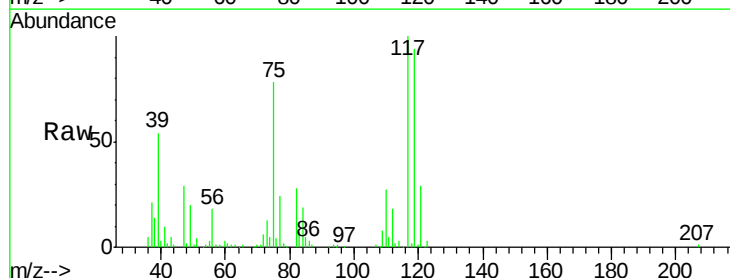
Manual Integrations
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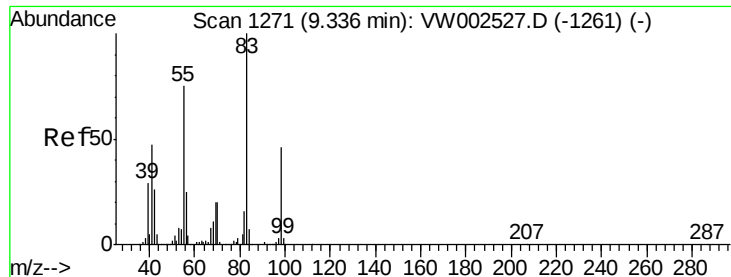
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#38
Carbon Tetrachloride
Concen: 19.54 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	117	Resp	59890
Ion	Ratio	Lower	Upper
117	100		
119	94.0	73.1	109.7
121	28.7	24.4	36.6





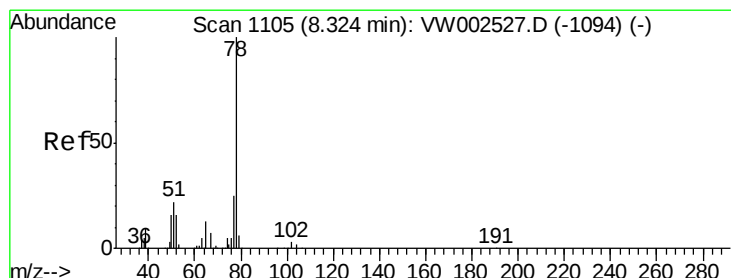
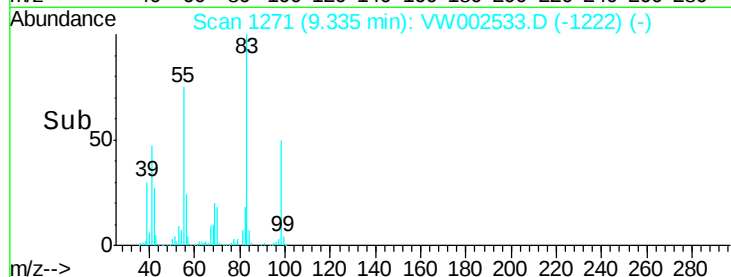
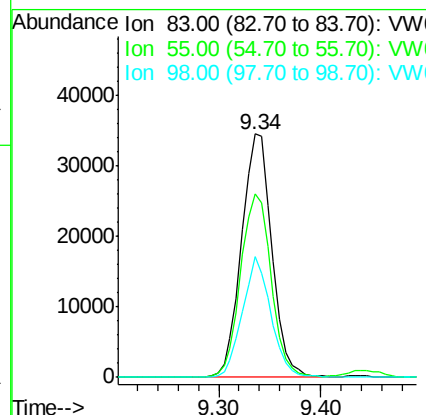
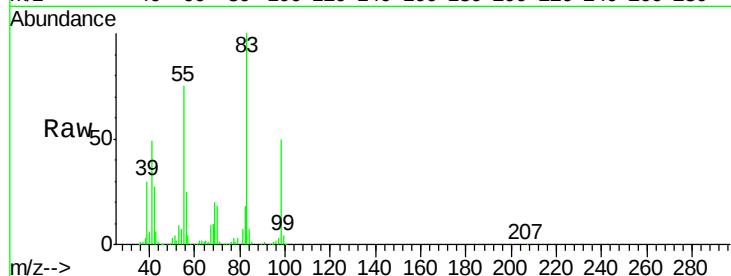
#39
Methvlcvclohexane
Concen: 19.86 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.0	90.0
98	49.6	37.0	55.4

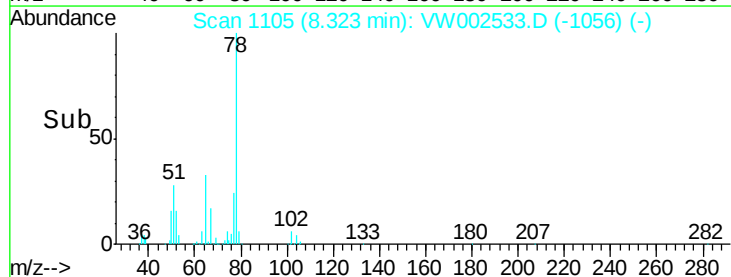
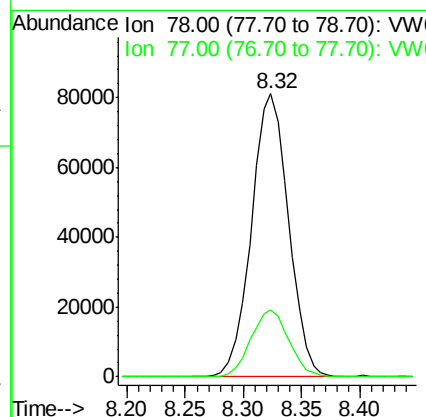
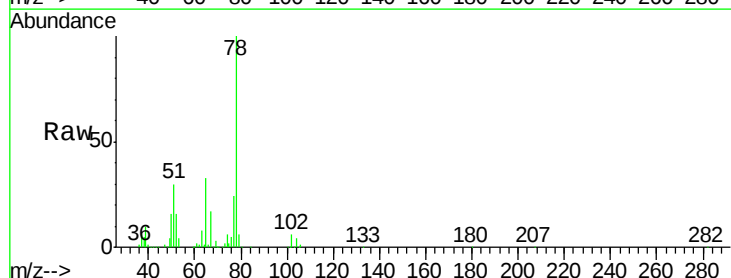
Manual Integrations
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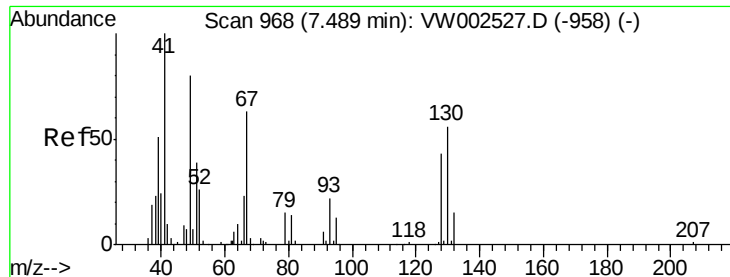
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#40
Benzene
Concen: 19.95 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.9	29.9





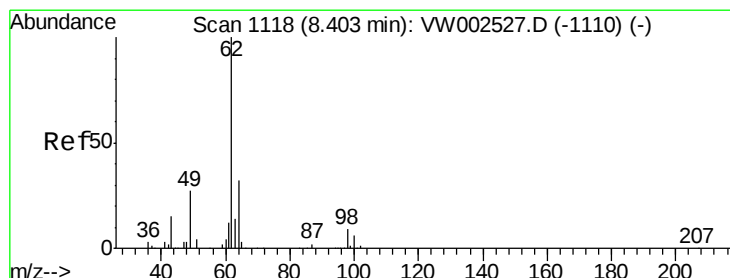
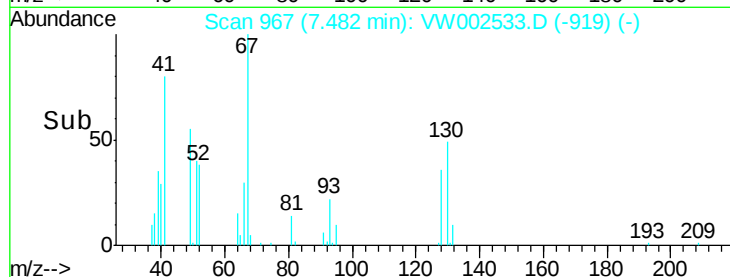
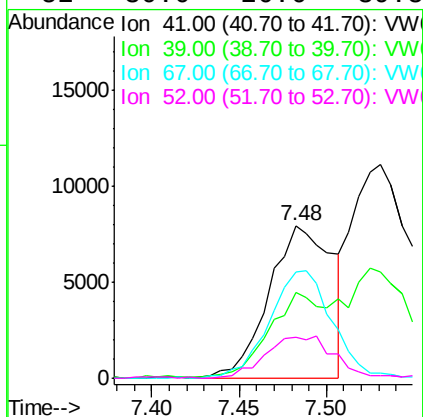
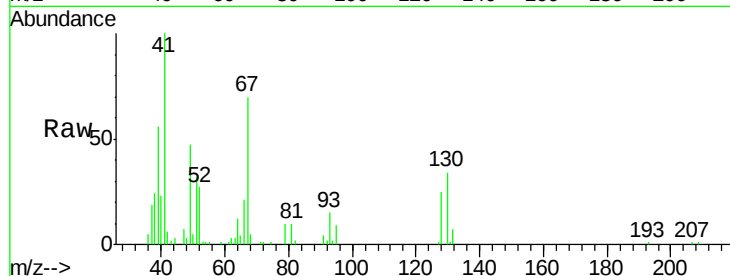
#41
Methacrylonitrile
Concen: 23.24 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.8	51.8	77.8#
67	69.5	59.9	89.9
52	30.0	26.6	39.8

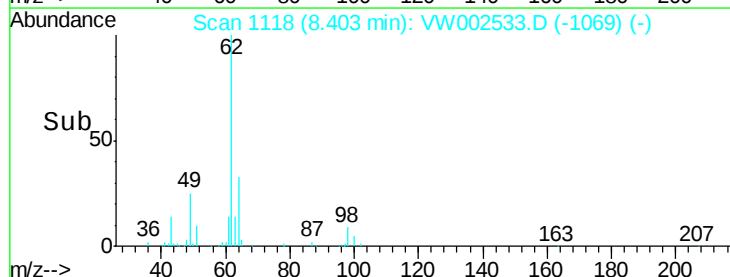
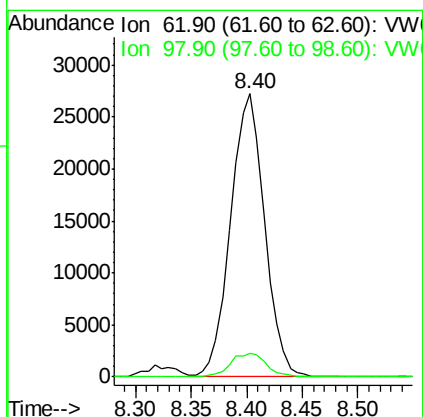
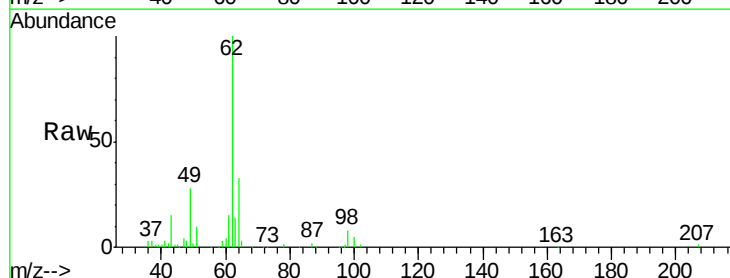
Manual Integrations
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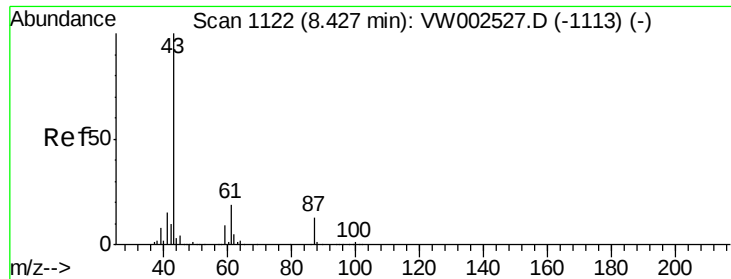
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#42
1,2-Dichloroethane
Concen: 20.23 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

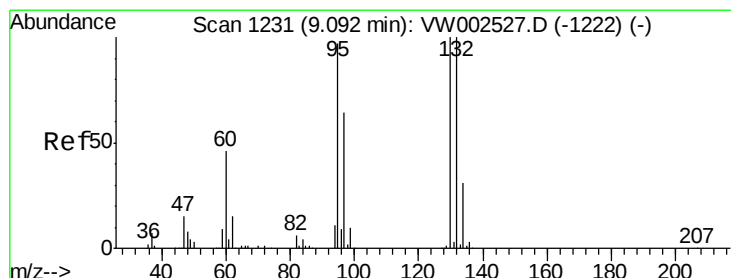
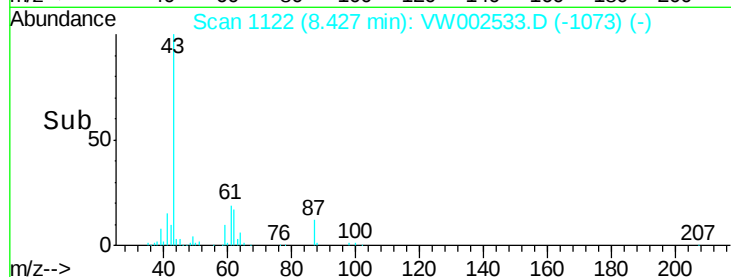
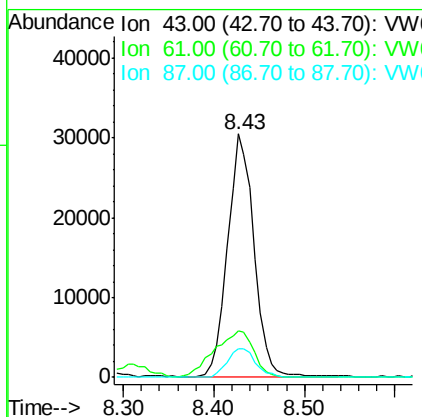
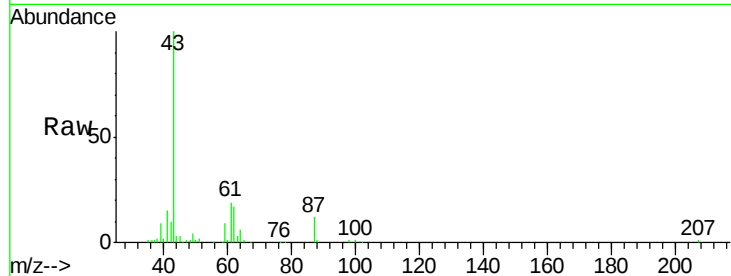
Isopropyl Acetate
 Concen: 20.57 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.0	34.6
87	13.0	10.6	15.8

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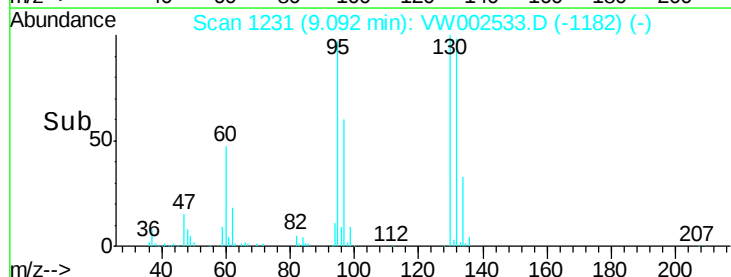
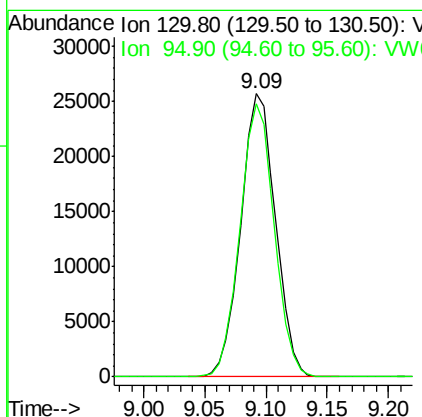
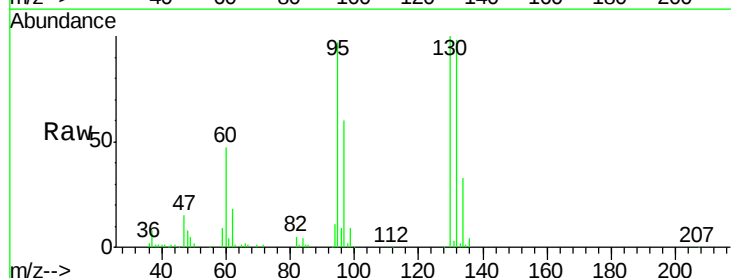
apatel
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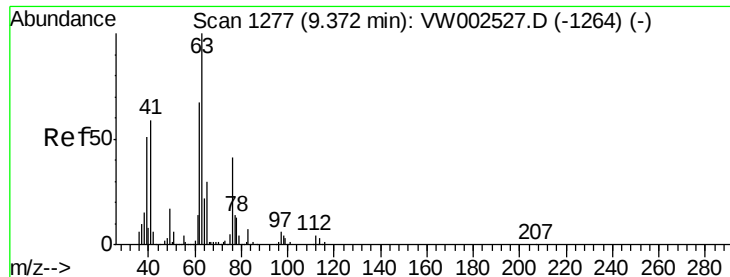


#44

Trichloroethene
 Concen: 20.61 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	194.6





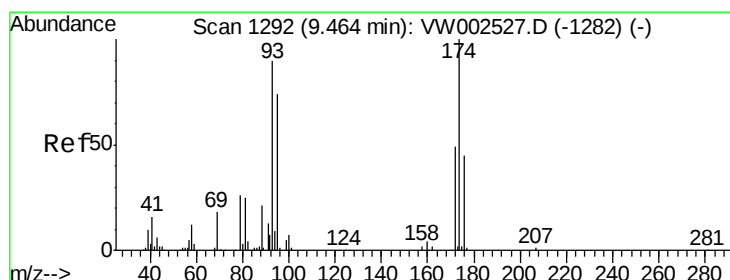
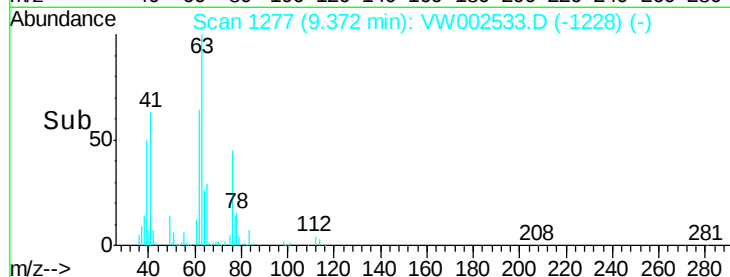
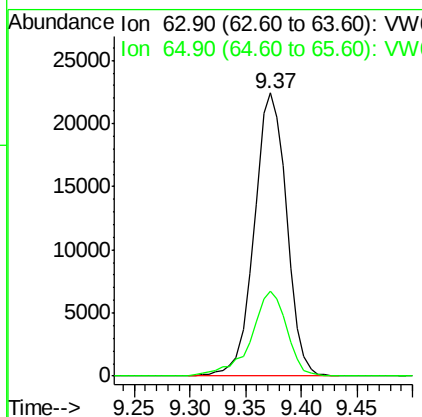
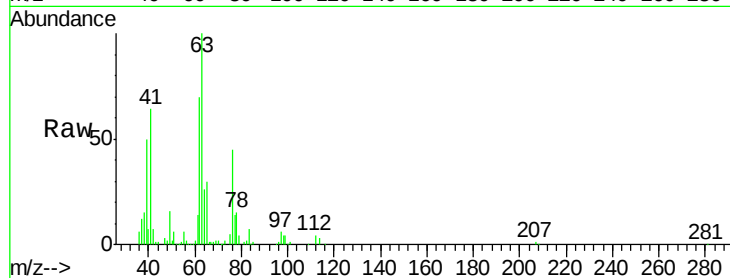
#45
 1,2-Dichloropropane
 Concen: 19.79 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.4	36.6

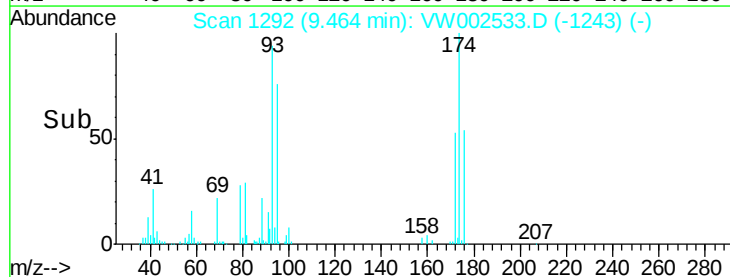
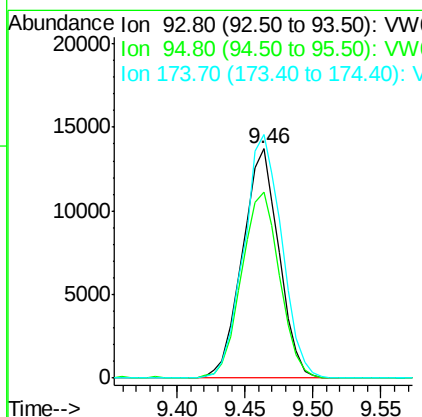
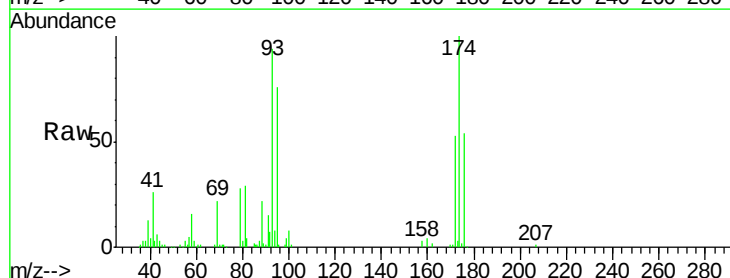
Manual Integrations
 APPROVED

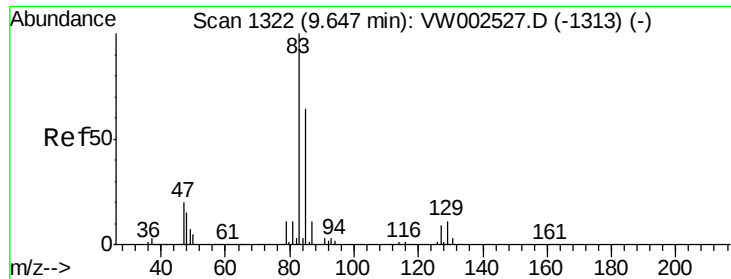
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#46
 Dibromomethane
 Concen: 19.79 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	66.6	100.0
174	110.3	84.0	126.0





#47

Bromodichloromethane

Concen: 19.98 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

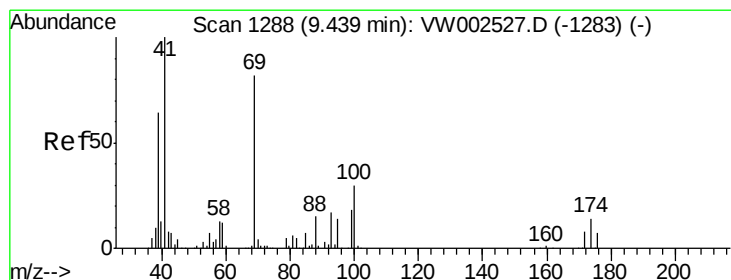
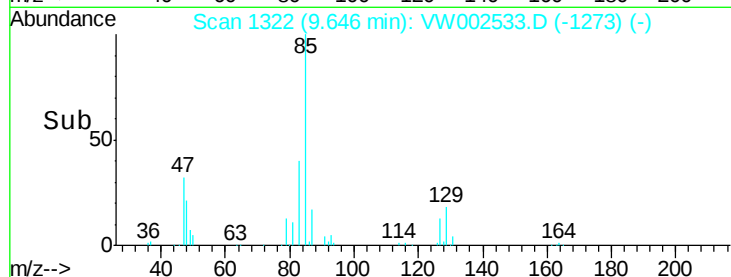
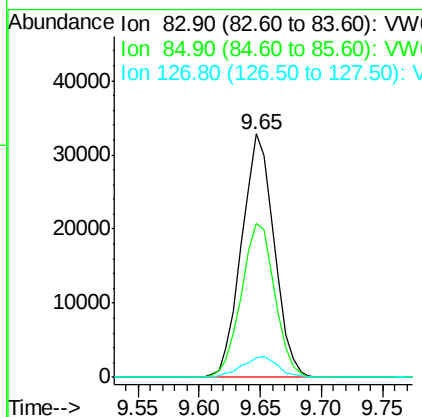
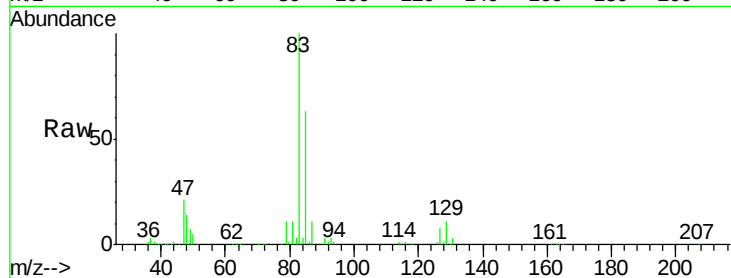
ClientSampleId :

VW0515SBS01

Tot Ion:	83	Resp:	60736
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2
127	8.2	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.68 ug/l

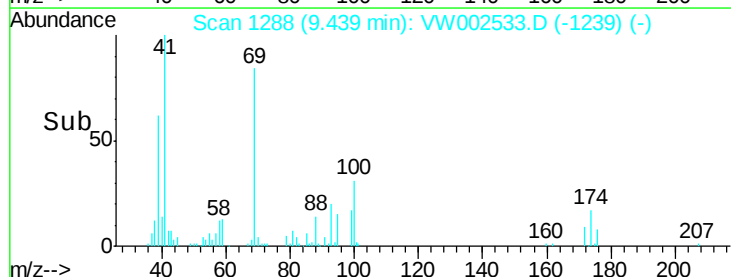
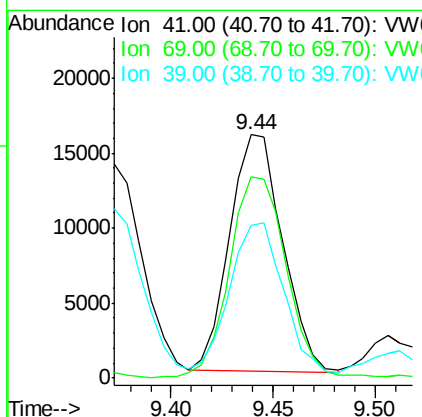
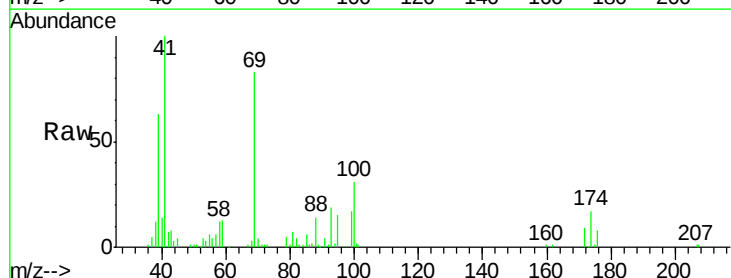
RT: 9.44 min Scan# 1288

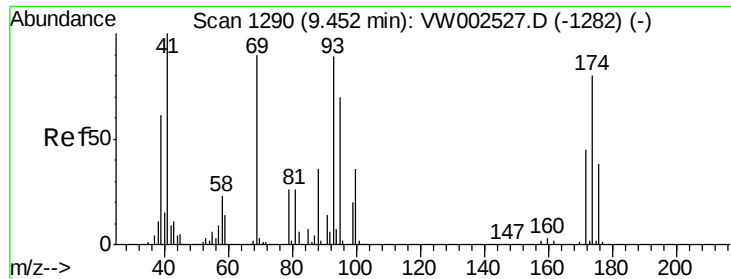
Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion:	41	Resp:	28472
Ion	Ratio	Lower	Upper
41	100		
69	90.7	69.7	104.5
39	69.2	55.0	82.4





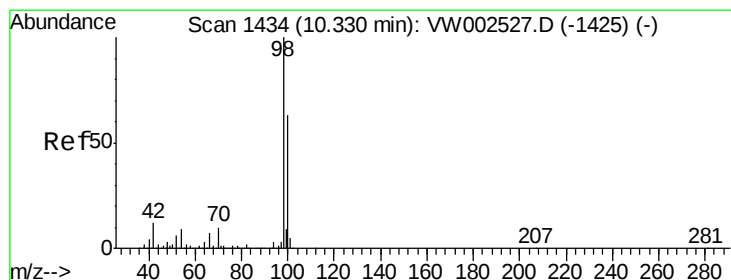
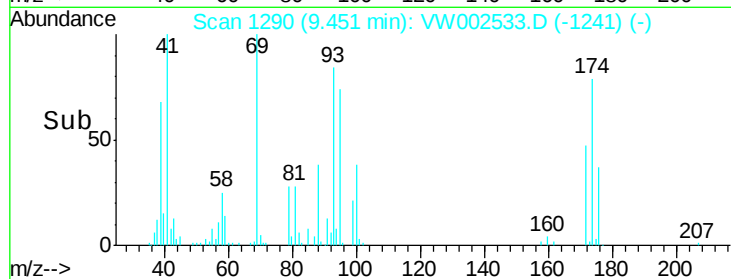
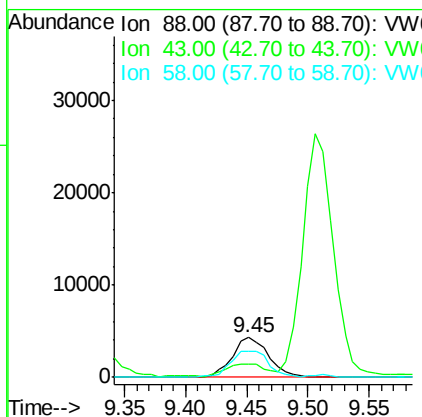
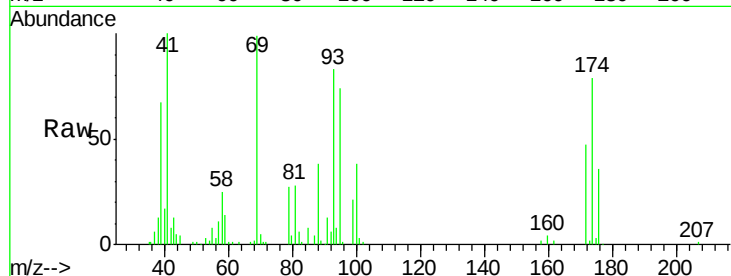
#49
1,4-Dioxane
Concen: 413.04 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.0	40.4
58	68.5	56.9	85.3

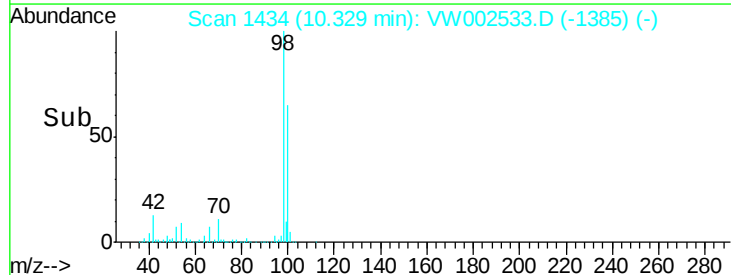
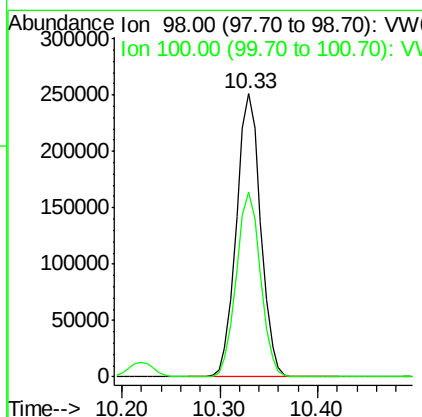
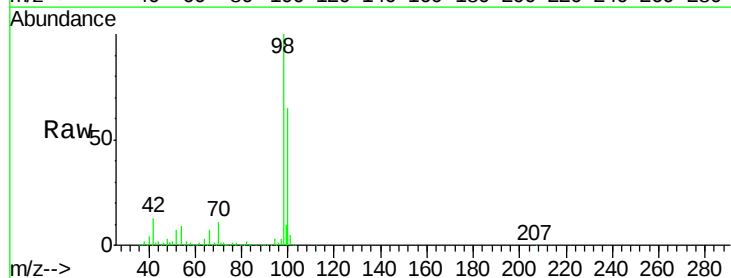
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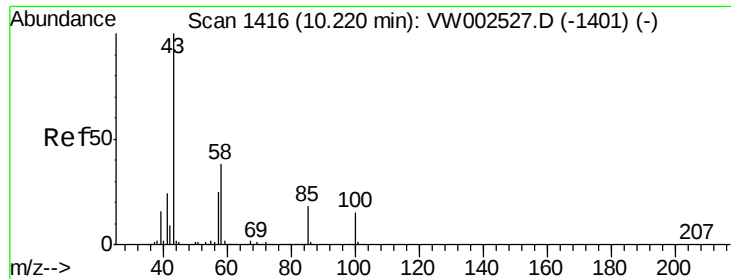
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#50
Toluene-d8
Concen: 50.45 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 101.23 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

Tot Ion: 43 Resp: 165972

Ion Ratio Lower Upper

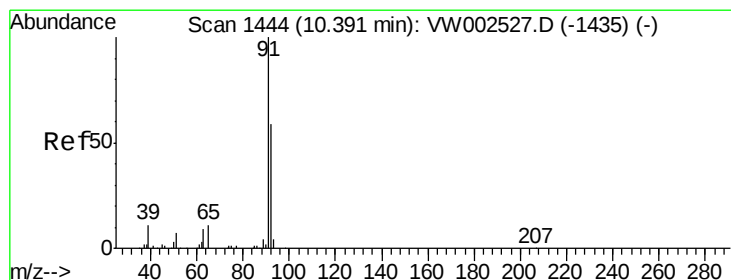
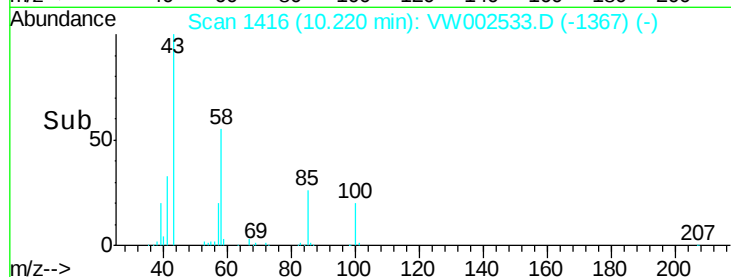
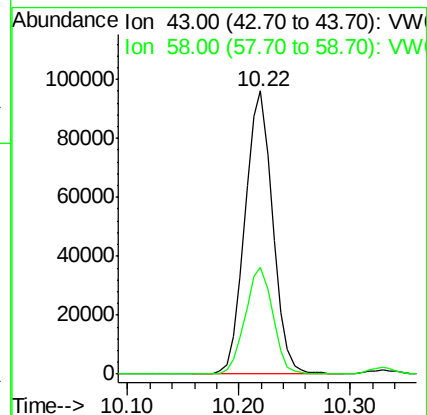
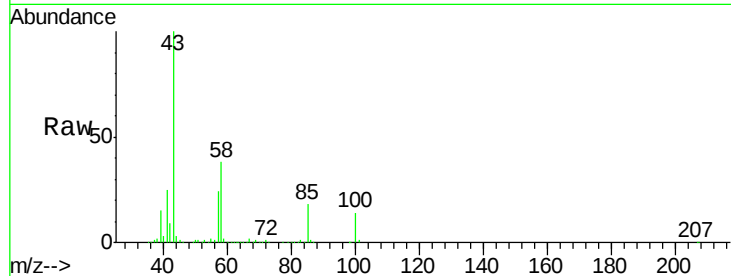
43 100

58 37.7 30.1 45.1

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#52

Toluene

Concen: 20.21 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW002533.D

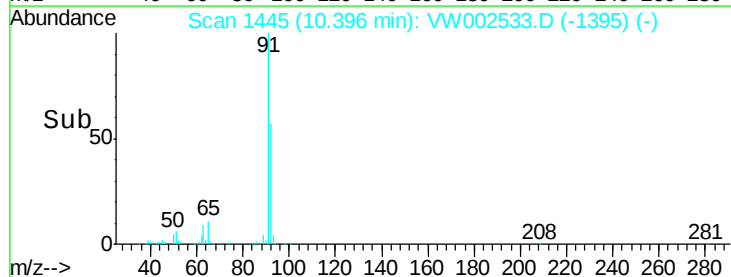
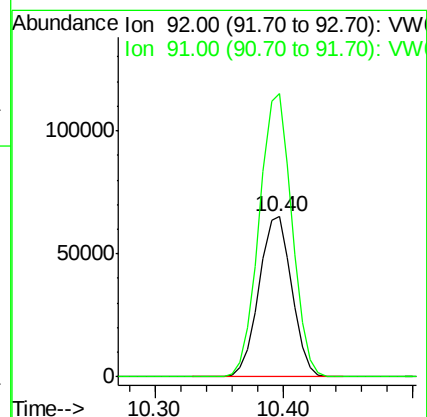
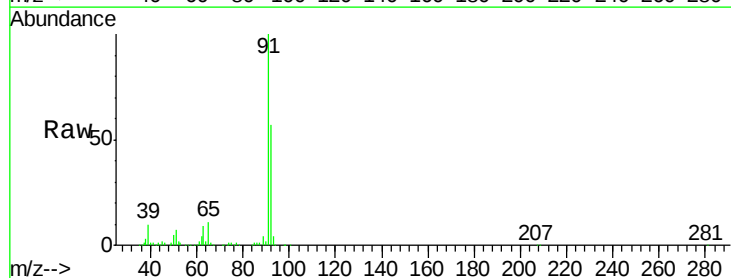
Acq: 15 May 2018 01:26

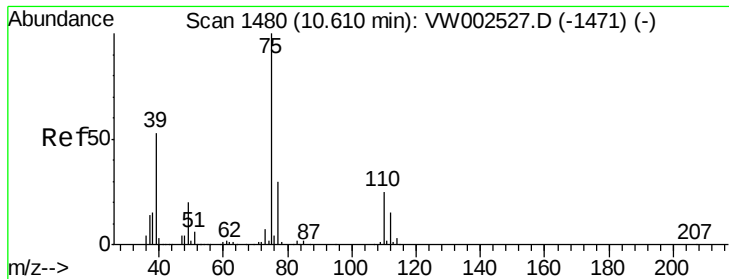
Tgt Ion: 92 Resp: 114845

Ion Ratio Lower Upper

92 100

91 175.4 139.1 208.7





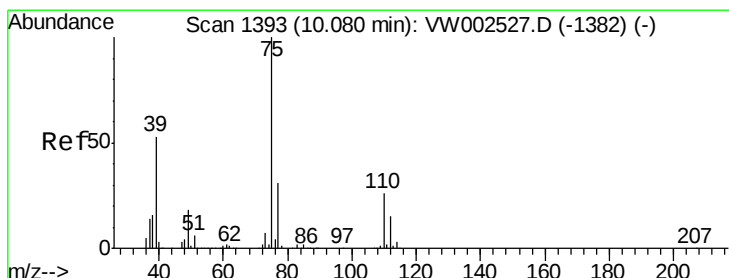
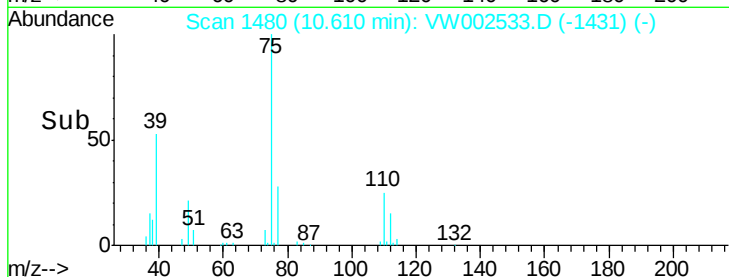
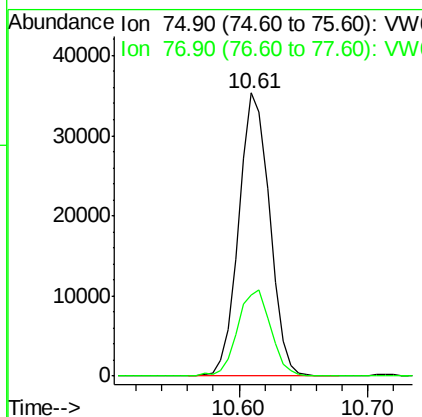
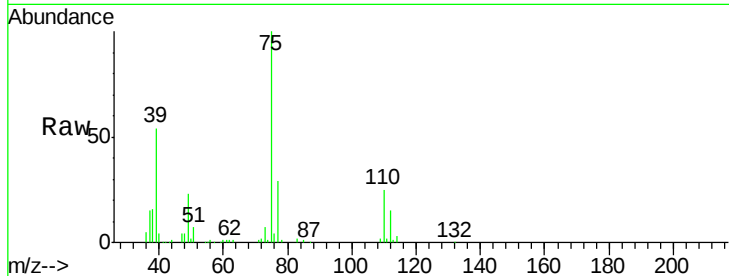
#53
t-1,3-Dichloropropene
Concen: 19.05 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.5	24.1	36.1

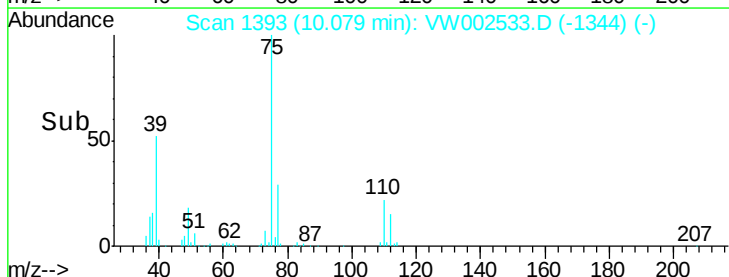
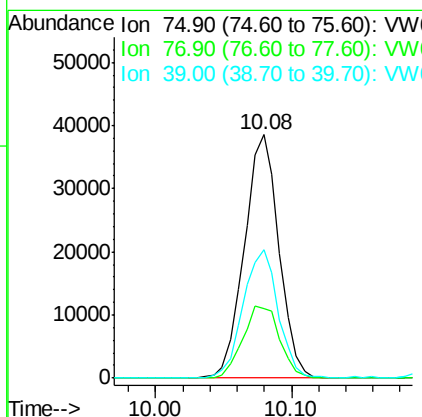
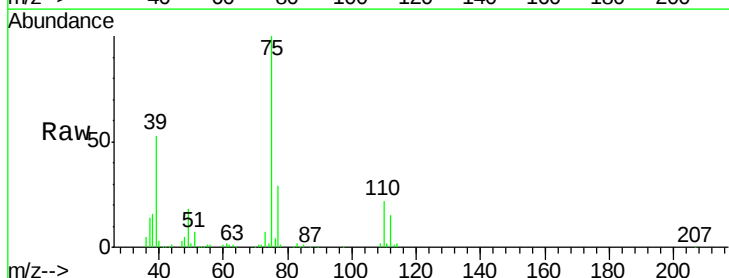
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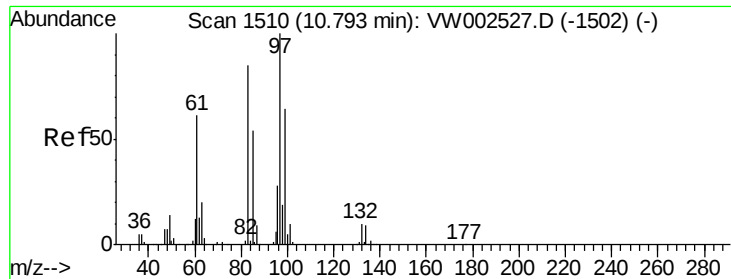
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#54
cis-1,3-Dichloropropene
Concen: 20.02 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.0	37.4
39	52.3	42.5	63.7





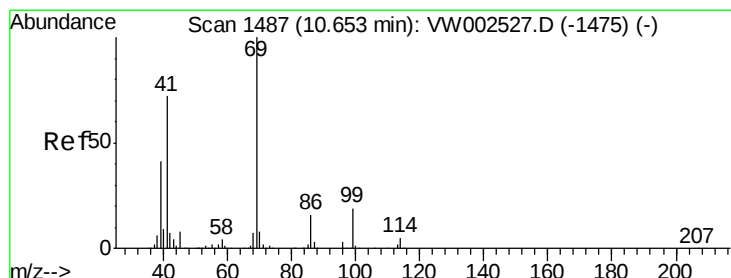
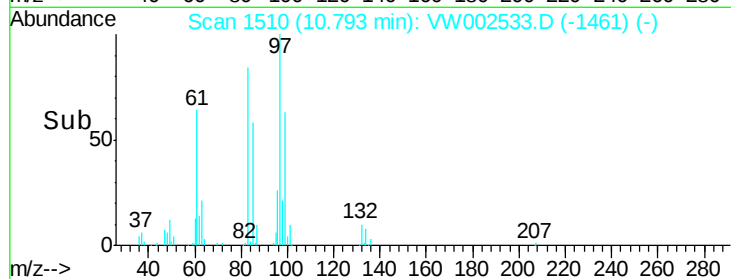
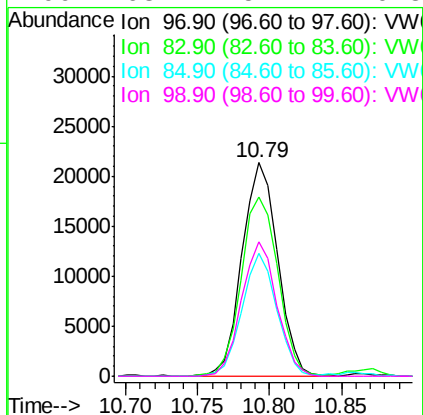
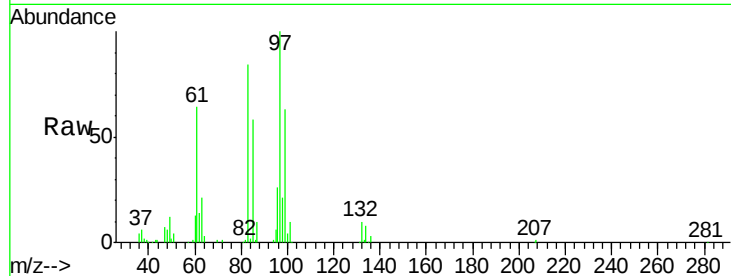
#55
 1,1,2-Trichloroethane
 Concen: 20.00 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion:	97	Resp:	36716
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.1	102.1
85	57.7	43.6	65.4
99	63.1	51.2	76.8

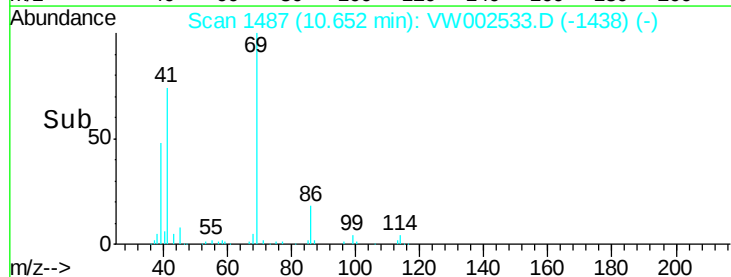
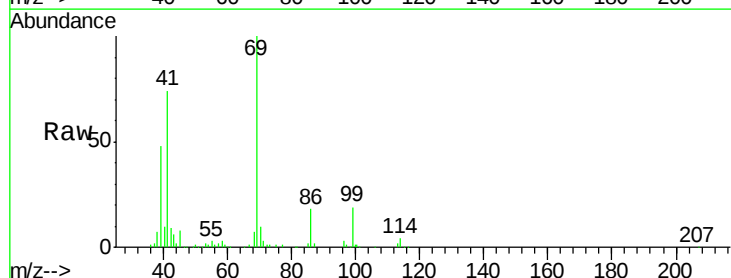
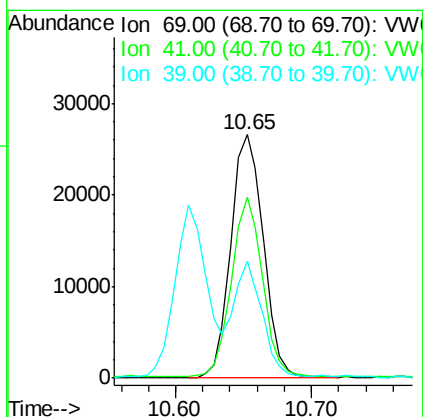
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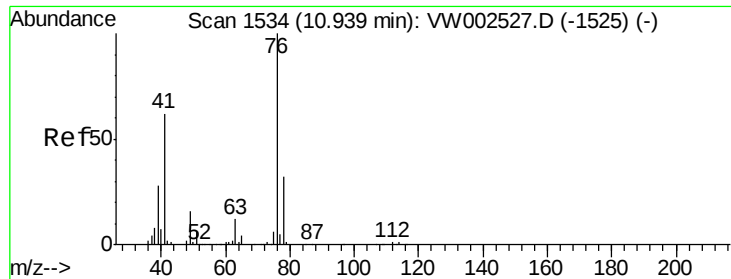
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#56
 Ethyl methacrylate
 Concen: 19.87 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion:	69	Resp:	44468
Ion	Ratio	Lower	Upper
69	100		
41	70.4	55.3	82.9
39	41.5	33.0	49.6





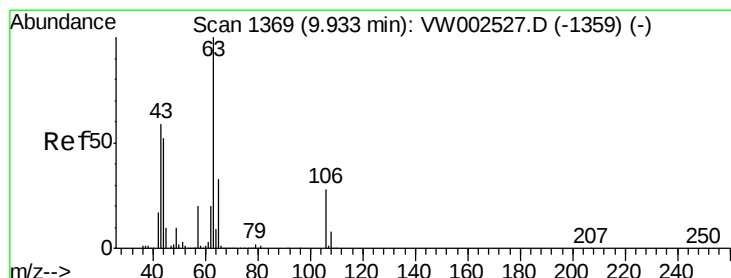
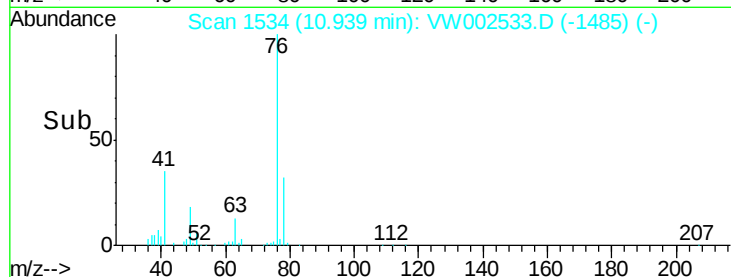
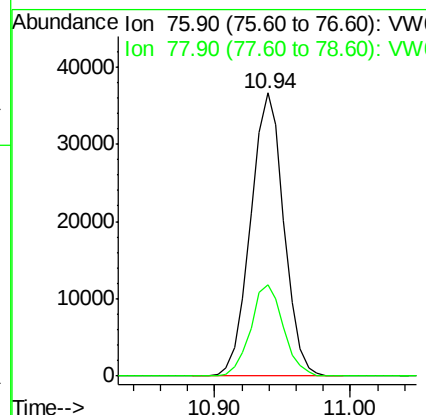
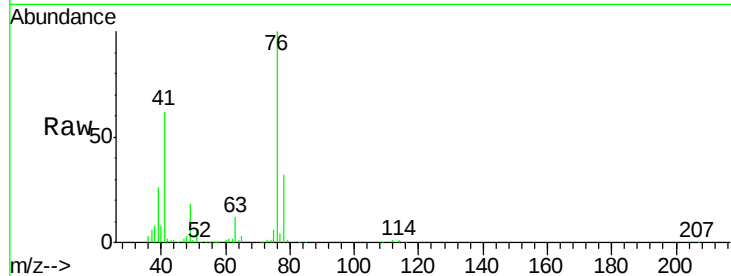
#57
 1,3-Dichloropropane
 Concen: 20.59 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion: 76 Resp: 62718
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

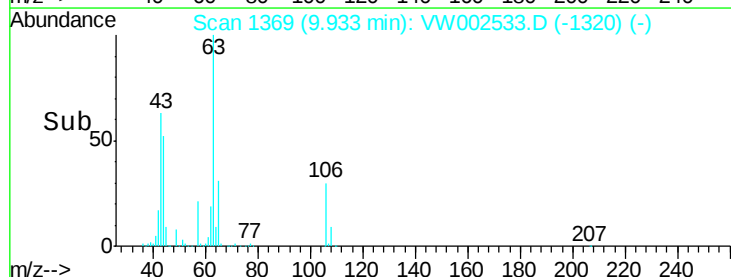
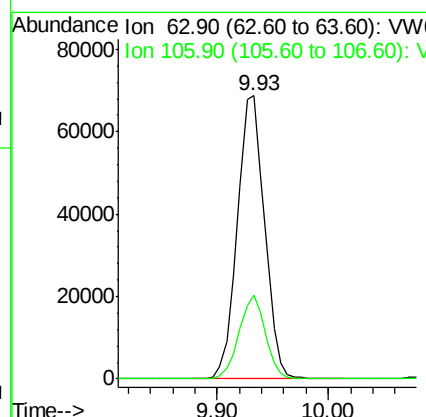
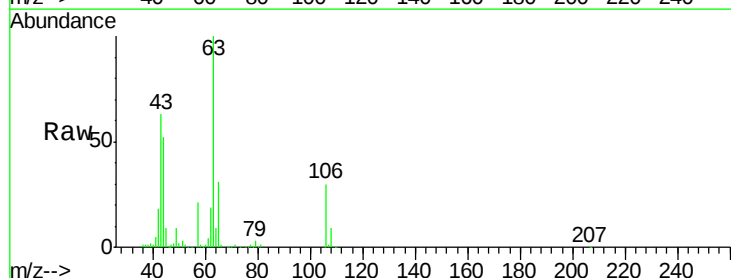
Manual Integrations
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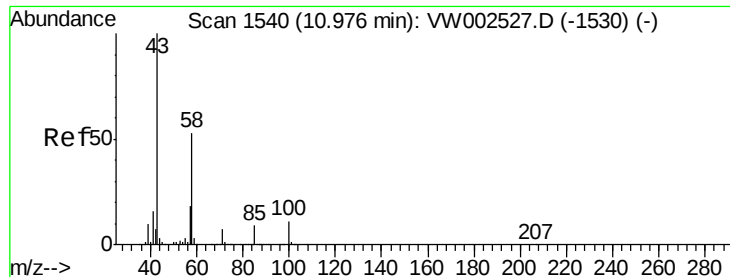
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.00 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 63 Resp: 116436
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.9 34.3





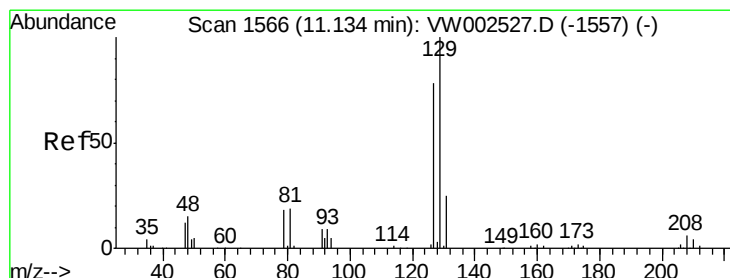
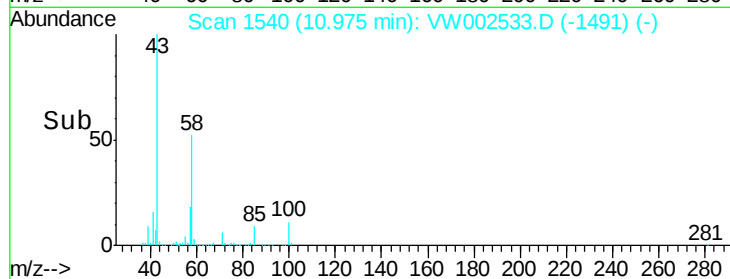
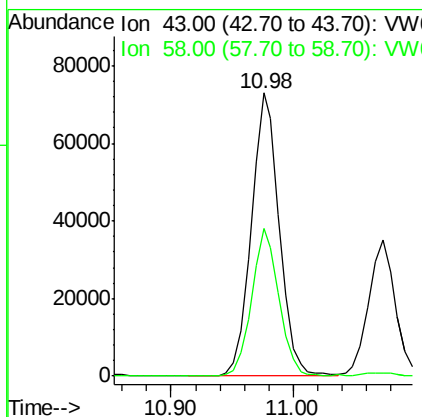
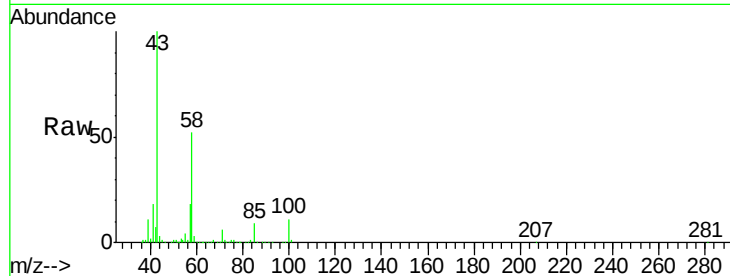
#59
2-Hexanone
Concen: 102.51 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.3	78.8

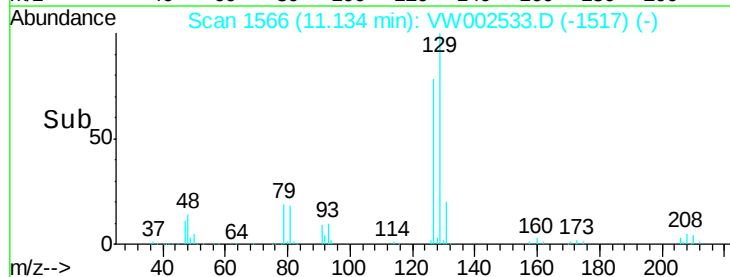
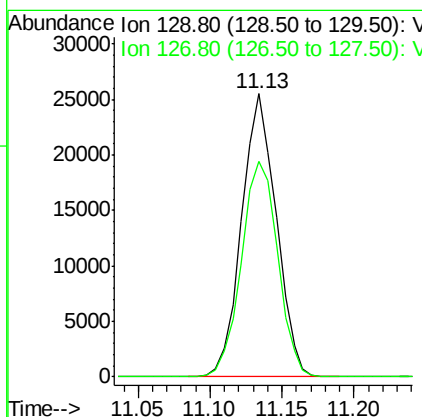
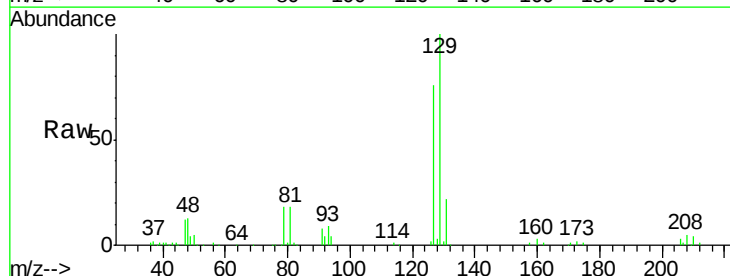
Manual Integrations
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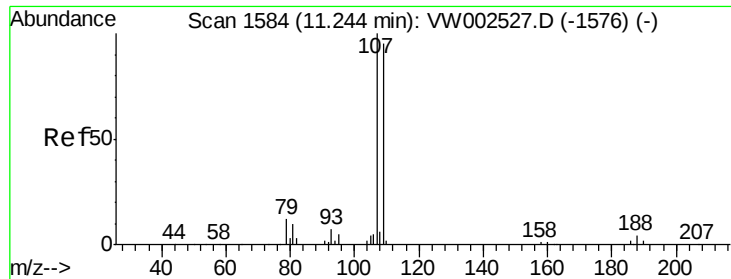
apatel
5/15/2018 6:12:14 PM



#60
Dibromochloromethane
Concen: 19.63 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.7	38.6	115.7





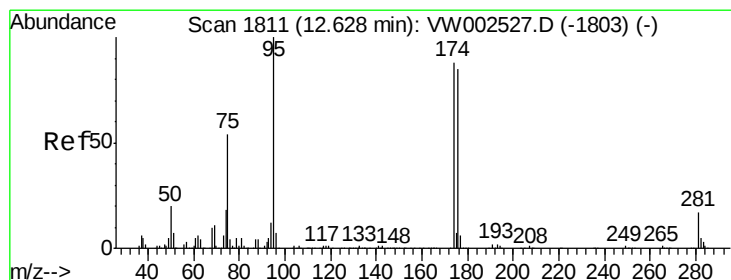
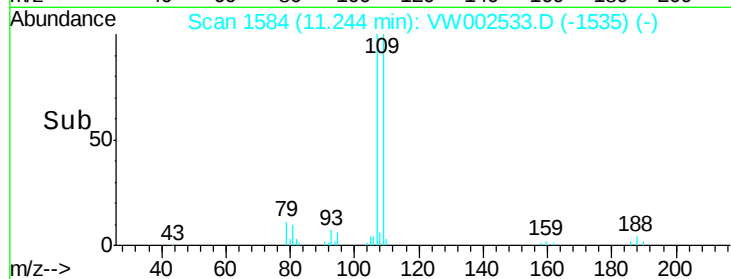
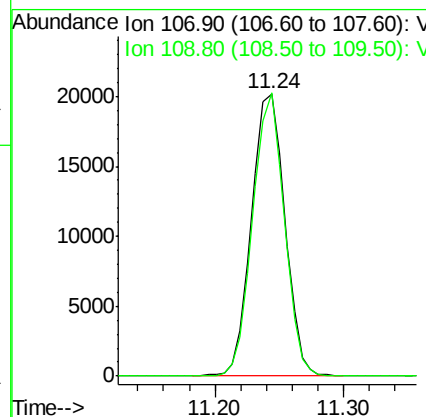
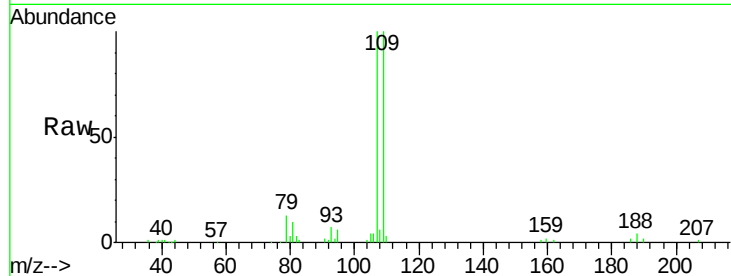
#61
 1,2-Dibromoethane
 Concen: 20.38 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

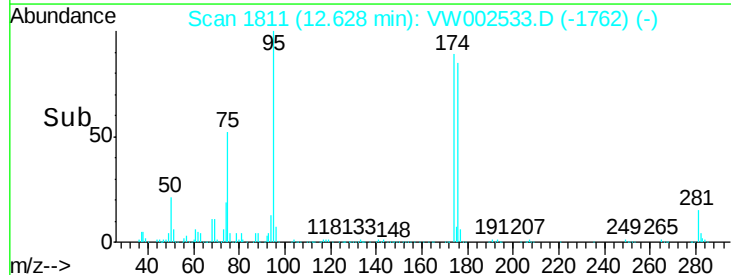
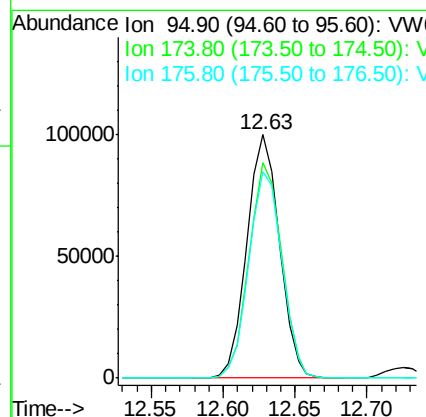
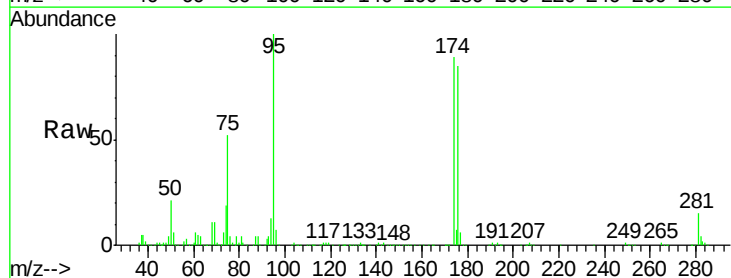
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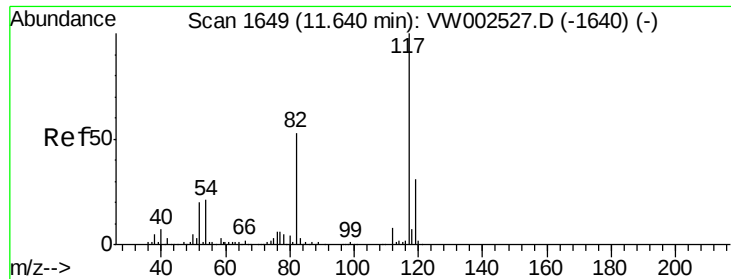
apatel
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#62
 4-Bromofluorobenzene
 Concen: 49.90 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	176.6
176	86.3	0.0	172.2





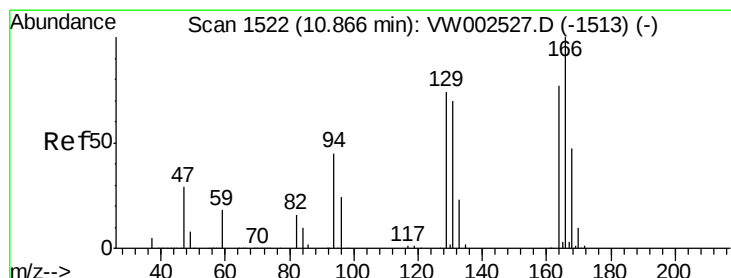
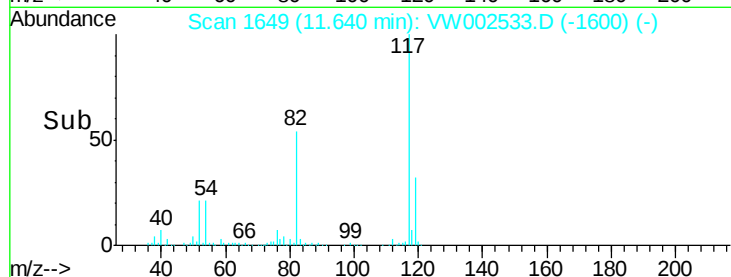
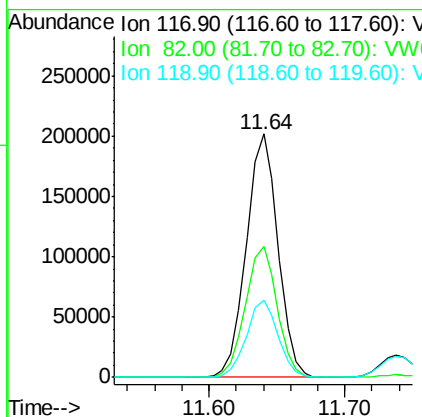
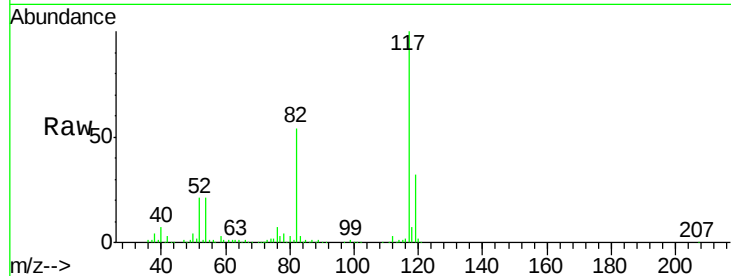
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampled :
VW0515SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329123		
82	53.8		42.6	64.0
119	31.8		25.0	37.6

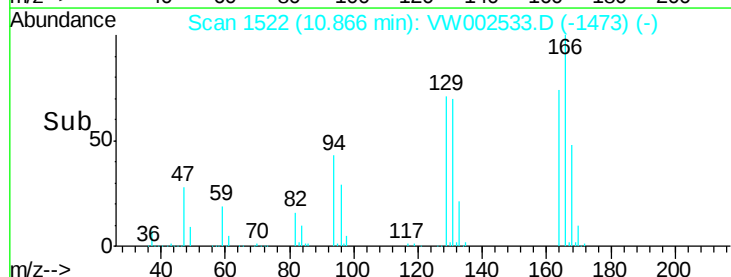
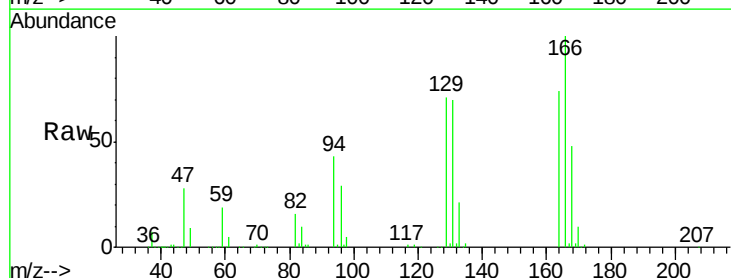
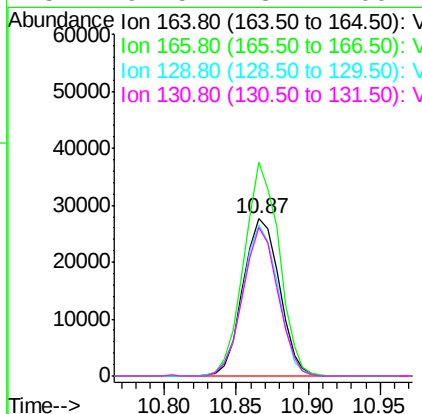
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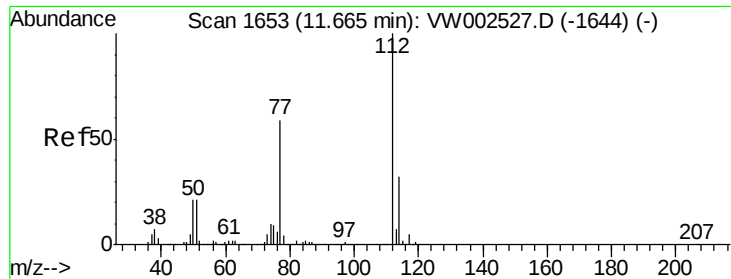
apatel
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#64
Tetrachloroethene
Concen: 20.88 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48447		
166	135.9		104.2	156.2
129	96.0		77.0	115.4
131	94.5		73.1	109.7





#65

Chlorobenzene

Concen: 19.87 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

Tot Ion:112 Resp: 130271

Ion Ratio Lower Upper

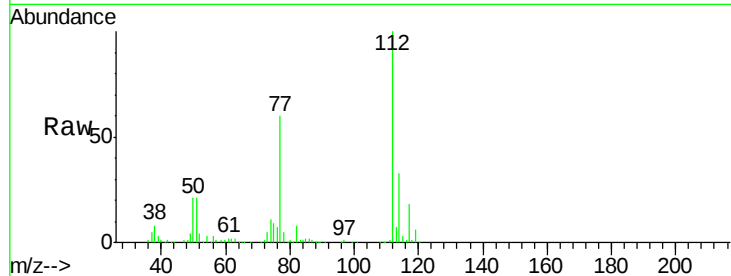
112 100

114 33.2 25.3 37.9

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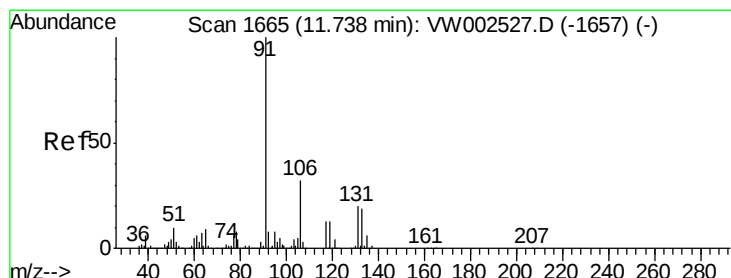
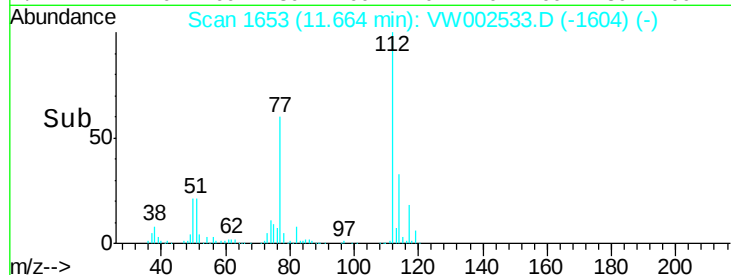
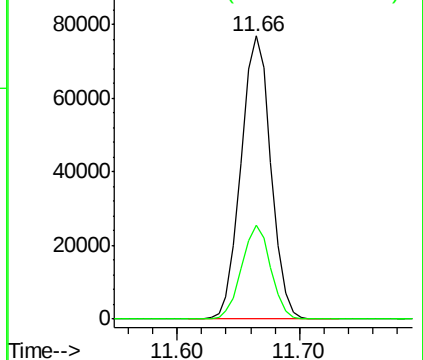
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.90 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

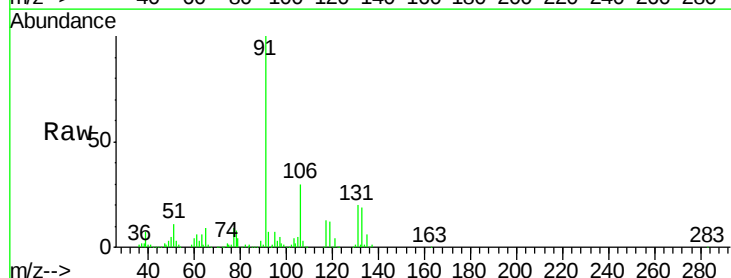
Tgt Ion:131 Resp: 46702

Ion Ratio Lower Upper

131 100

133 95.7 48.4 145.3

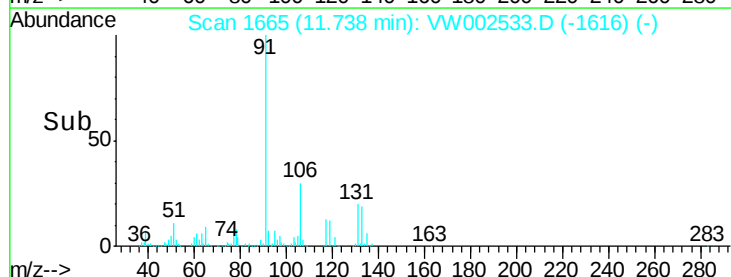
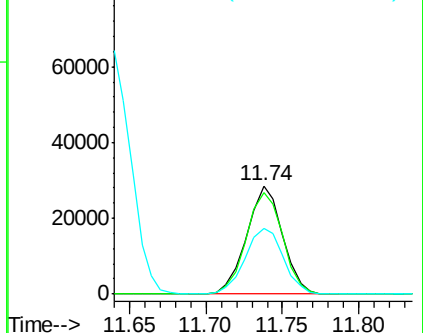
119 64.3 32.2 96.6

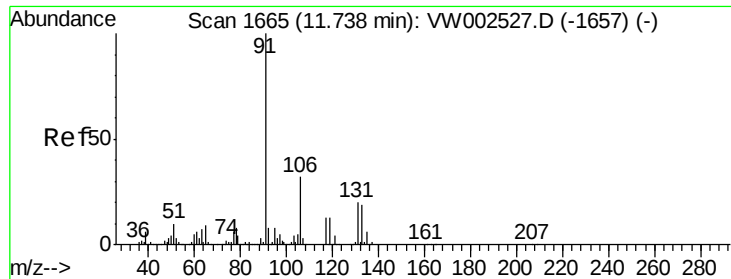


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.21 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

Tot Ion: 91 Resp: 225206

Ion Ratio Lower Upper

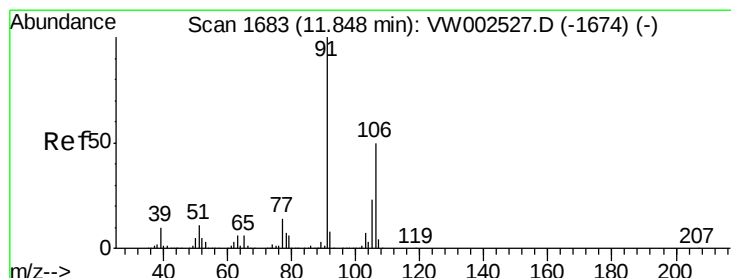
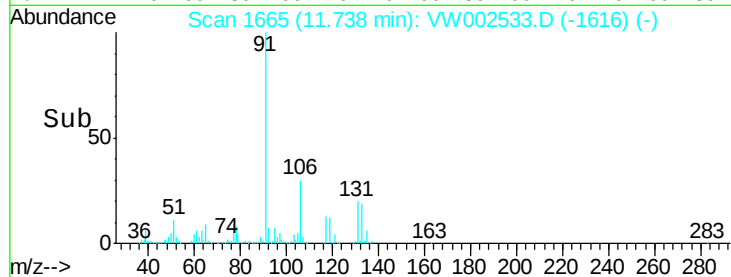
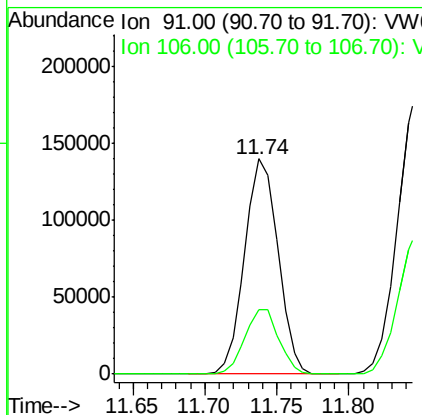
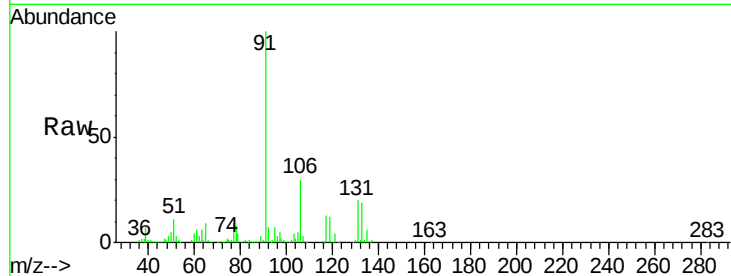
91 100

106 30.1 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.32 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW002533.D

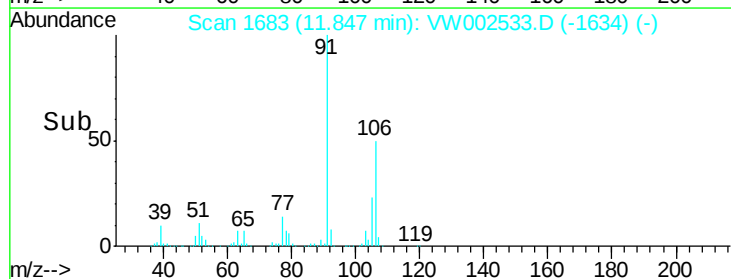
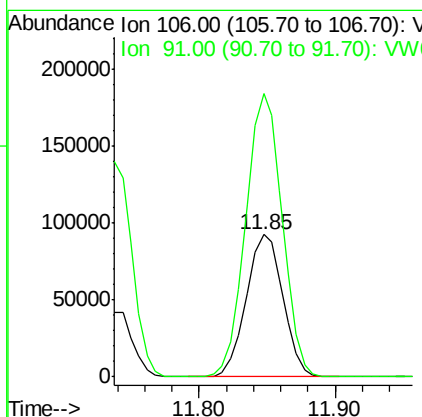
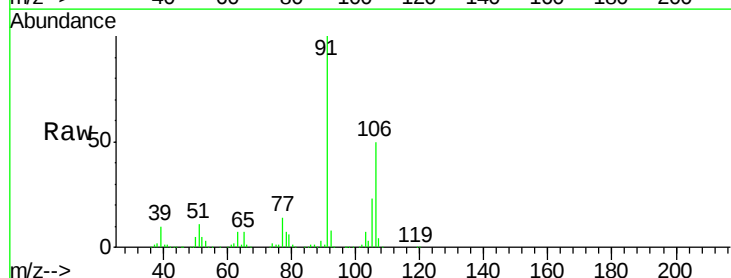
Acq: 15 May 2018 01:26

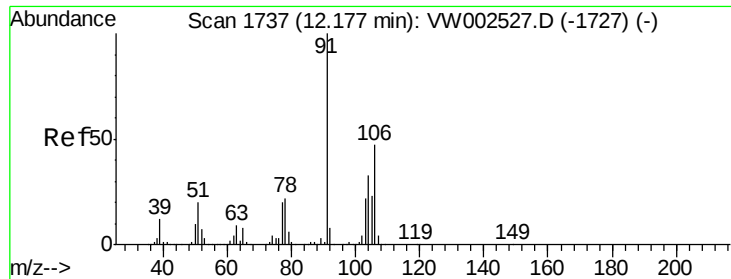
Tgt Ion: 106 Resp: 174659

Ion Ratio Lower Upper

106 100

91 197.5 161.4 242.2





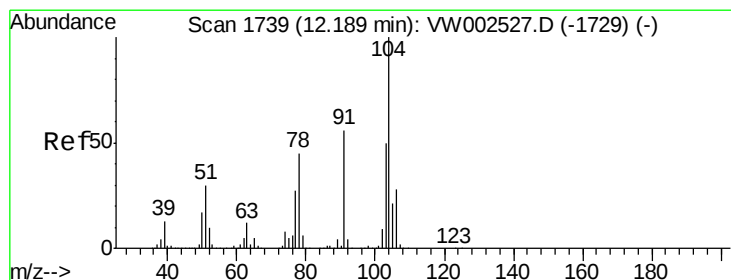
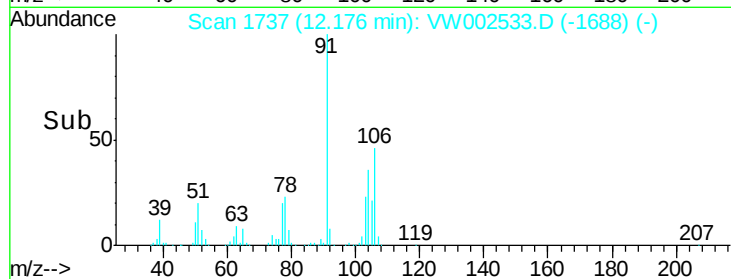
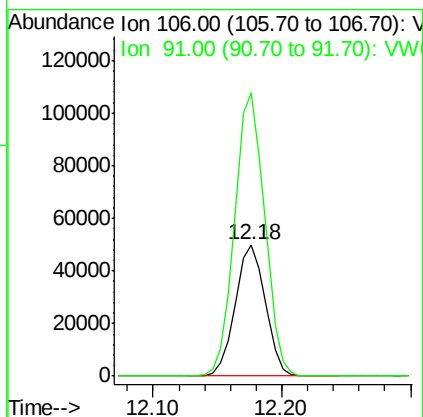
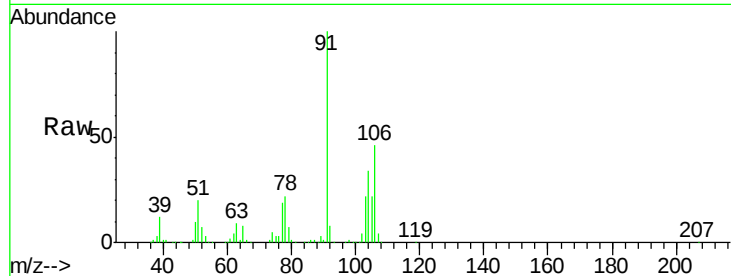
#69
o-Xylene
Concen: 19.71 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion:106 Resp: 81117
Ion Ratio Lower Upper
106 100
91 215.6 106.7 320.2

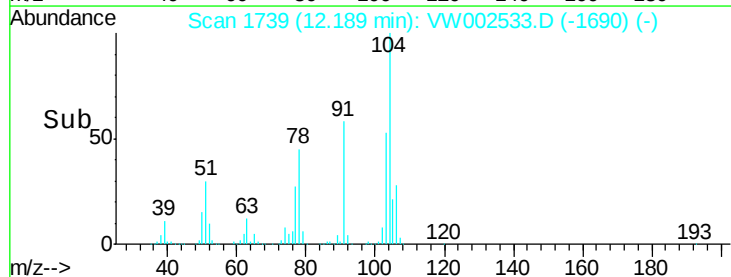
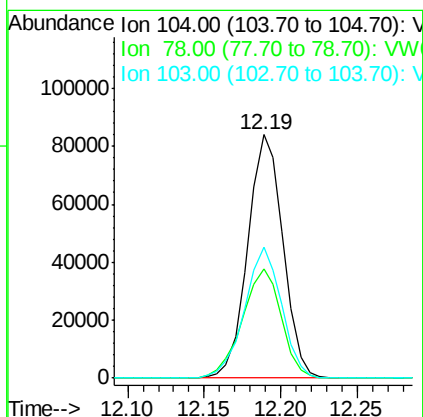
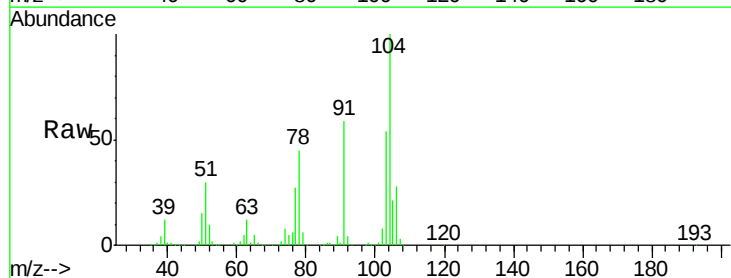
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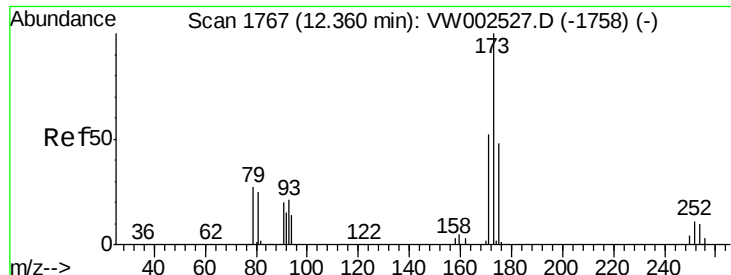
apatel
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#70
Styrene
Concen: 19.64 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion:104 Resp: 134524
Ion Ratio Lower Upper
104 100
78 49.6 40.1 60.1
103 56.7 44.6 66.8





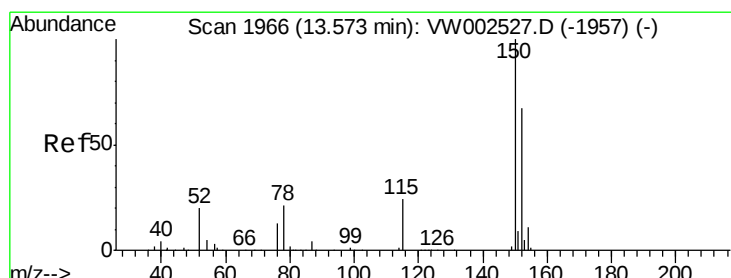
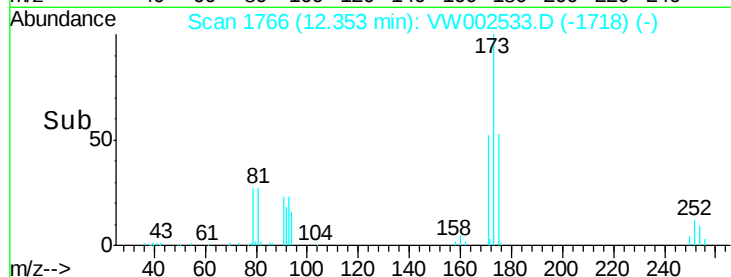
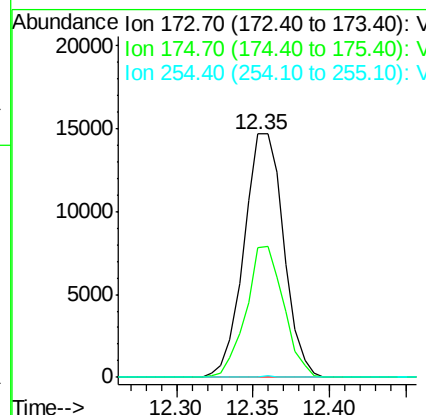
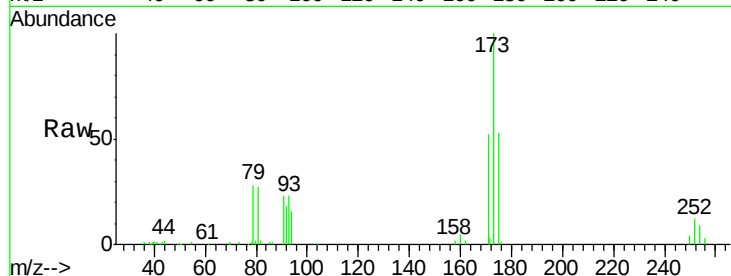
#71
Bromoform
Concen: 19.15 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.01 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.5	73.5
254	0.2	0.1	0.1#

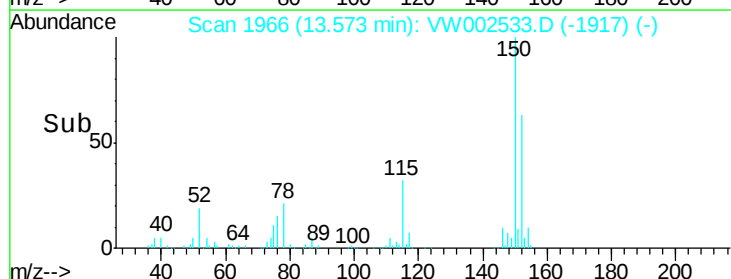
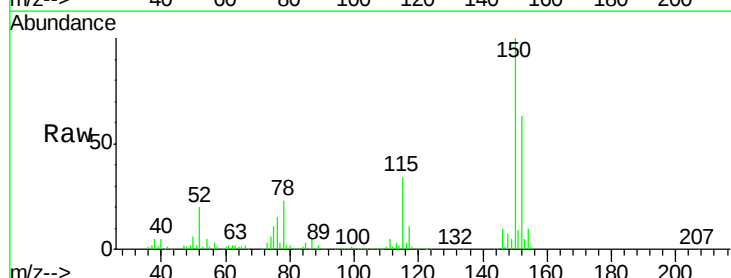
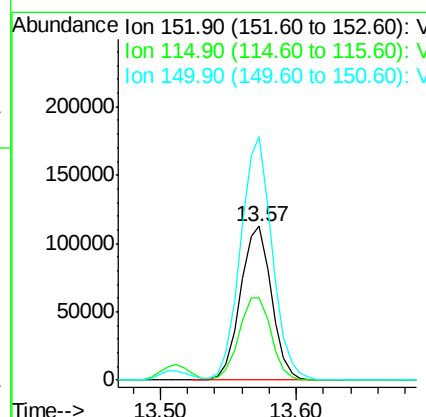
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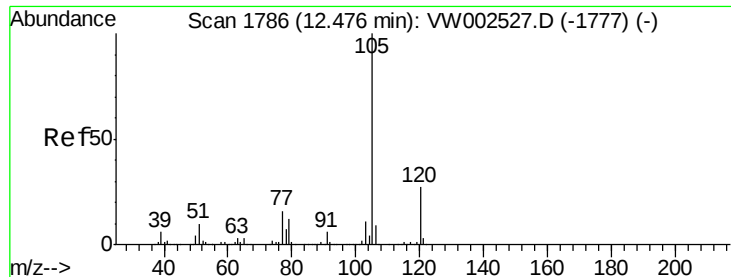
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	161.7	0.0	345.4





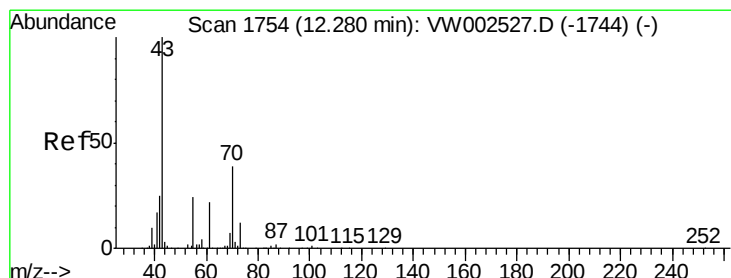
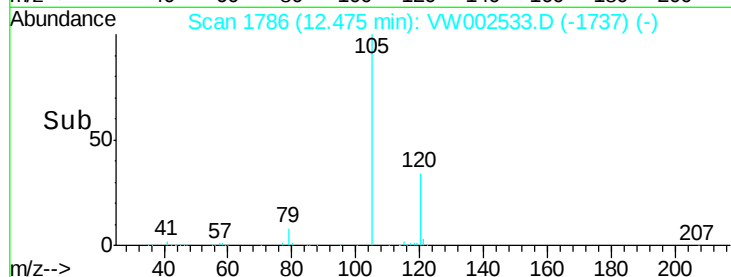
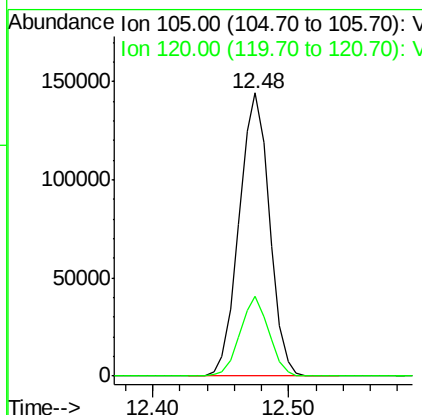
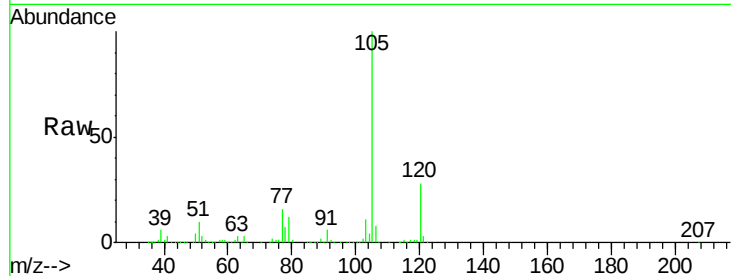
#73
Isopropylbenzene
Concen: 20.43 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

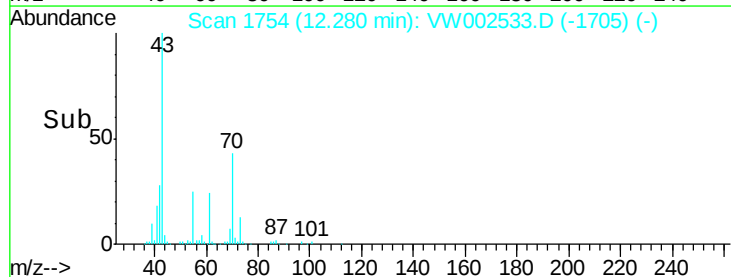
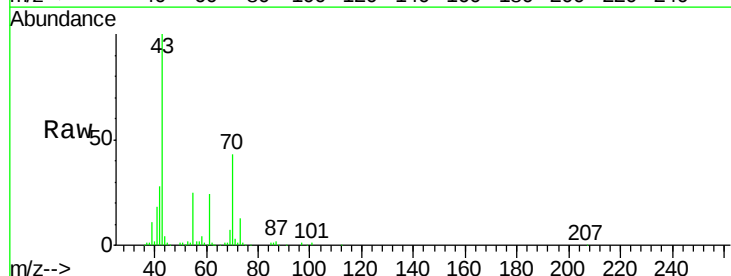
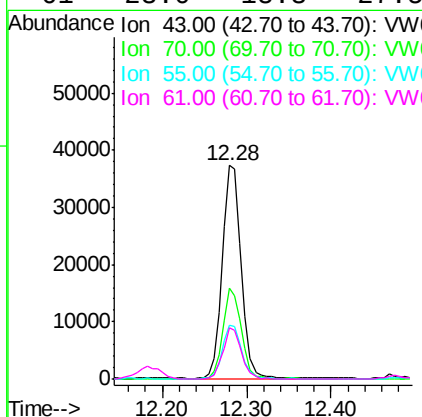
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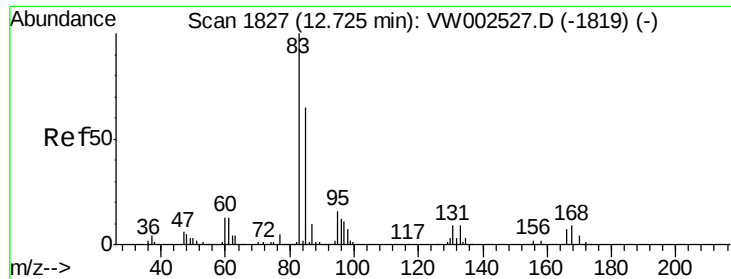
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#74
N-ethyl acetate
Concen: 21.05 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.6	31.9	47.9
55	25.6	19.4	29.0
61	23.0	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.53 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

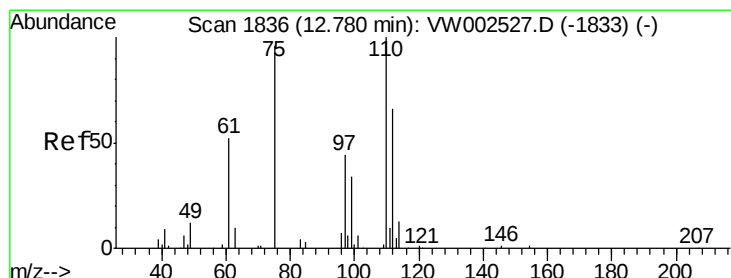
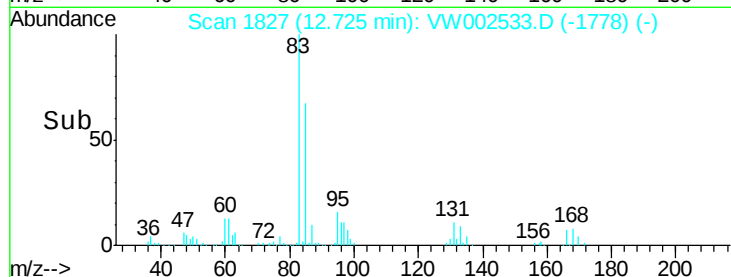
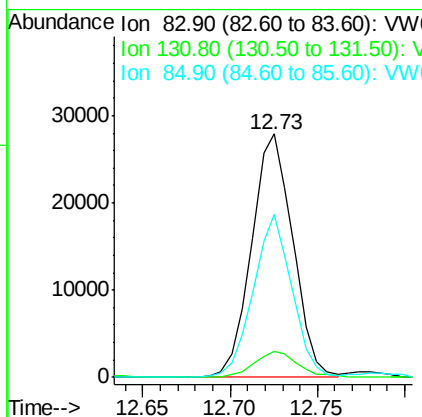
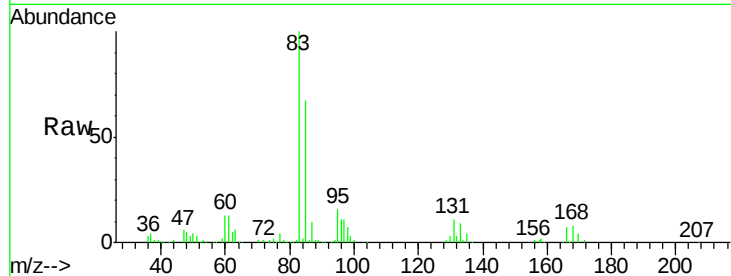
ClientSampleId :

VW0515SBS01

Tot Ion:	83	Resp:	45658
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	62.7	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 20.48 ug/l m

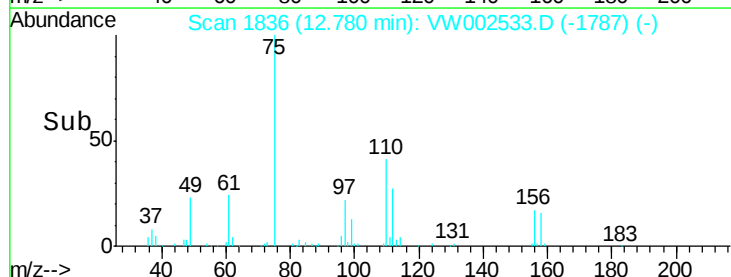
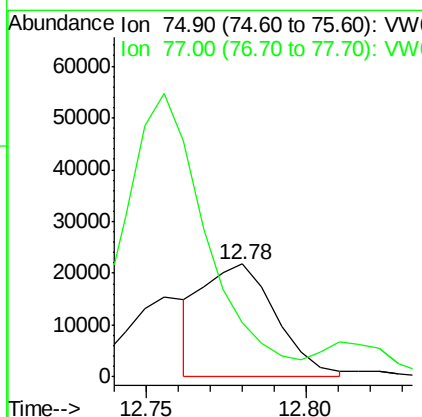
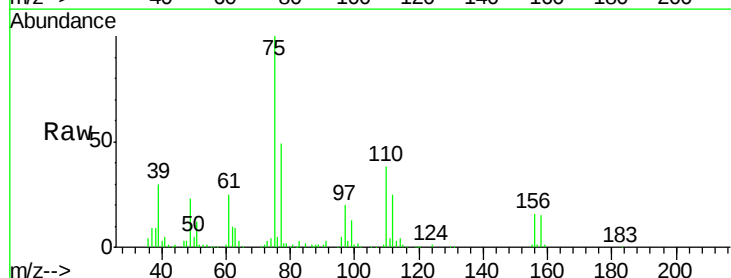
RT: 12.78 min Scan# 1836

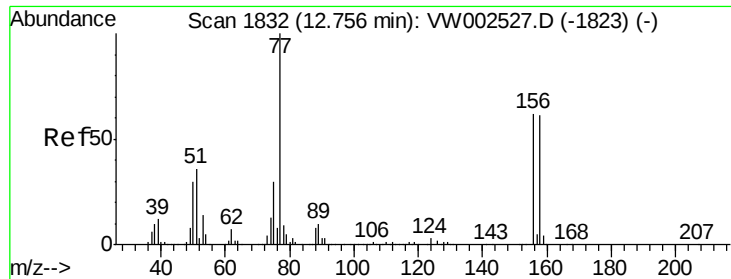
Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion:	75	Resp:	34472
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.81 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

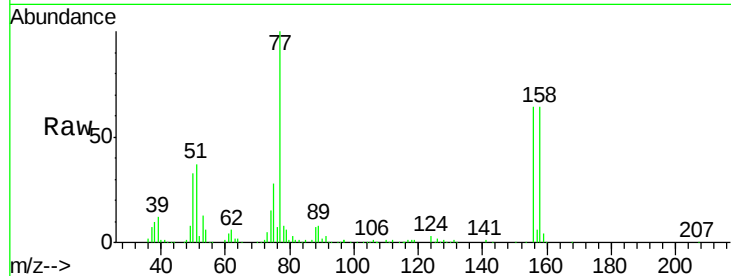
ClientSampleId :

VW0515SBS01

Tot Ion:	156	Resp:	58273
Ion	Ratio	Lower	Upper
156	100		
77	169.4	89.8	269.4
158	96.3	48.8	146.3

Manual Integrations
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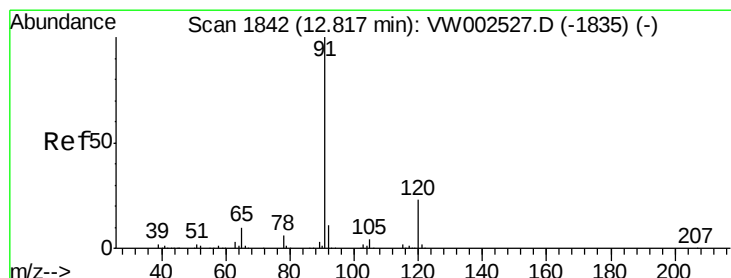
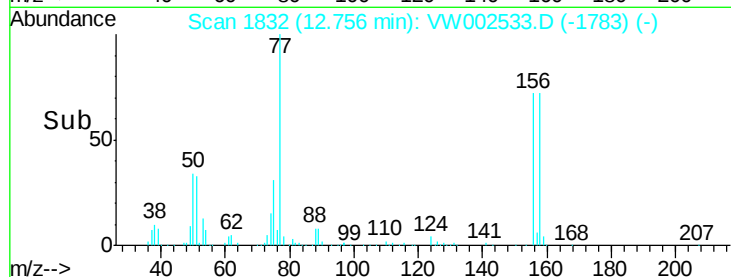
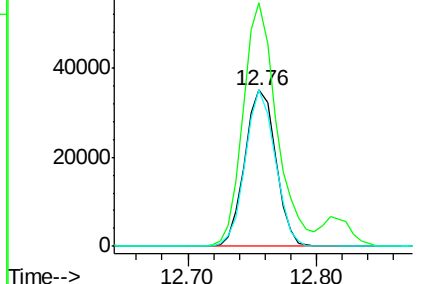
apatel
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.29 ug/l

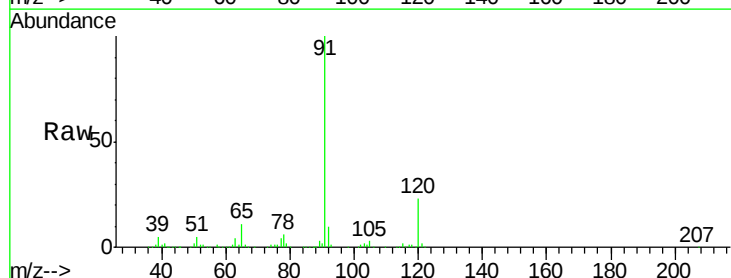
RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002533.D

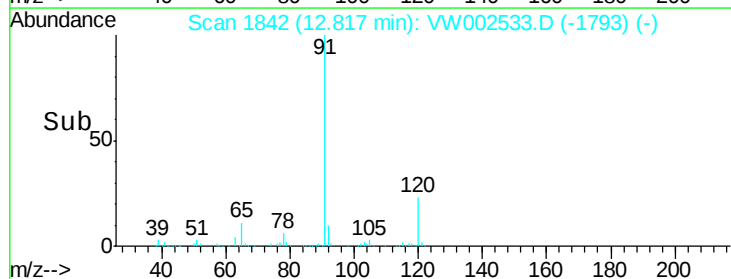
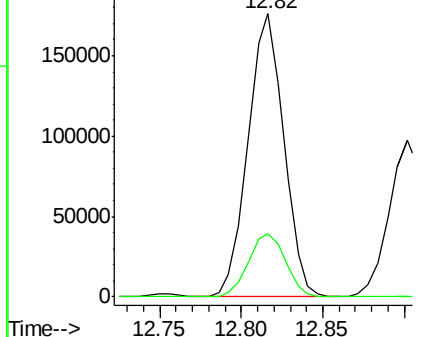
Acq: 15 May 2018 01:26

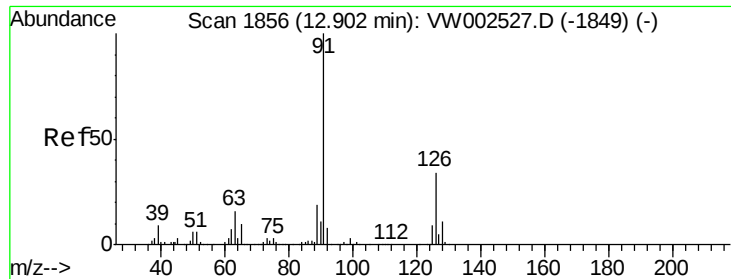
Tgt Ion:	91	Resp:	268957
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





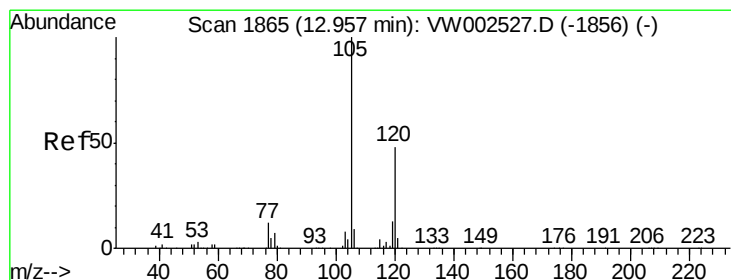
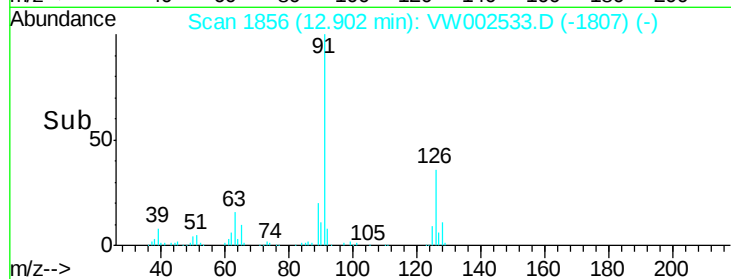
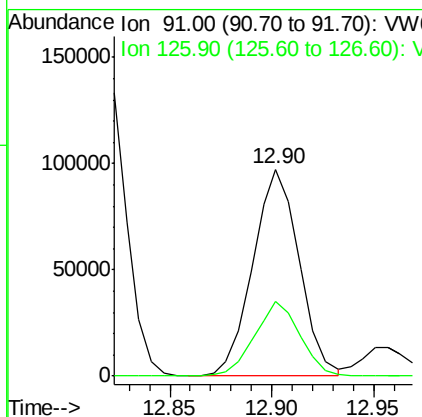
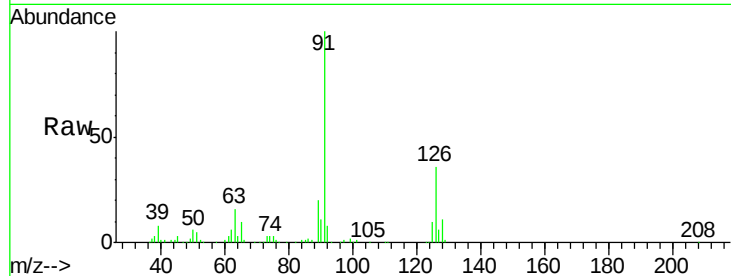
#79
 2-Chlorotoluene
 Concen: 20.44 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampled :
 VW0515SBS01

Tot Ion: 91 Resp: 153853
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.8

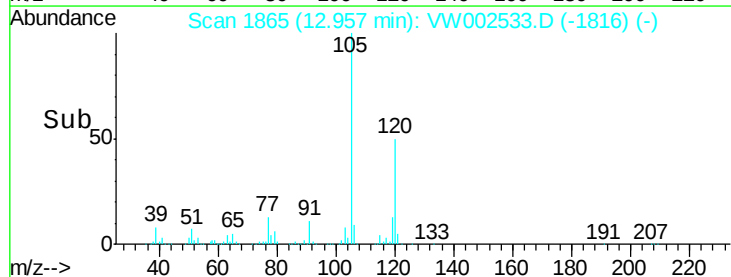
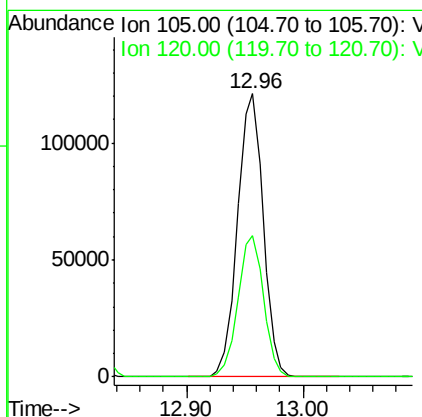
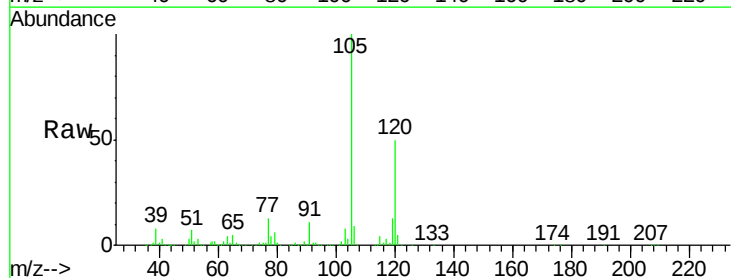
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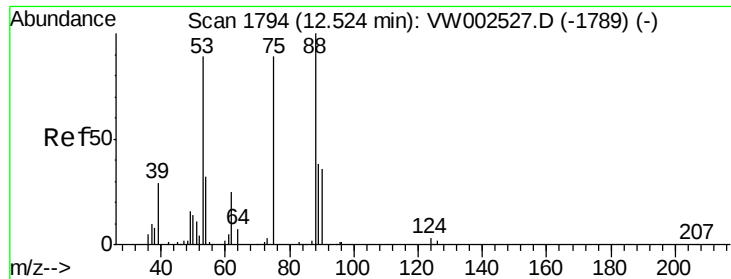
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.91 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 105 Resp: 186501
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.6 73.8





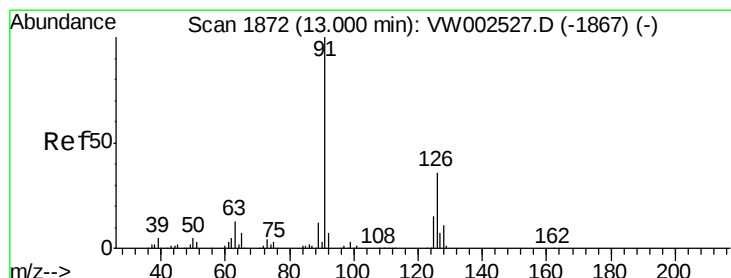
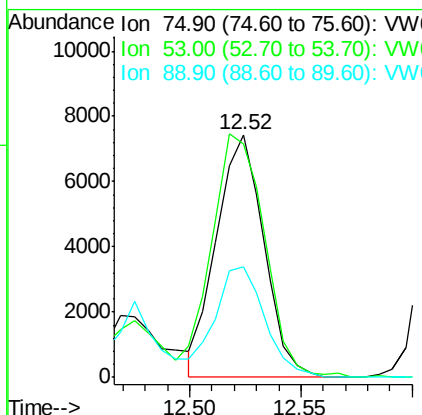
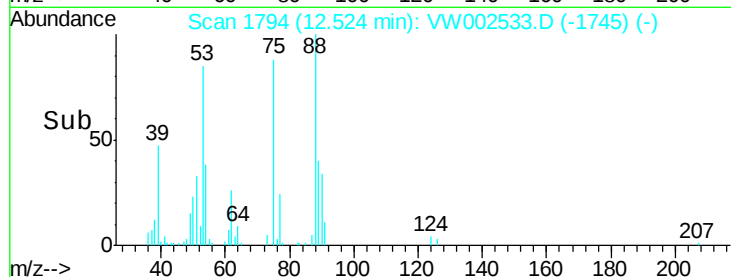
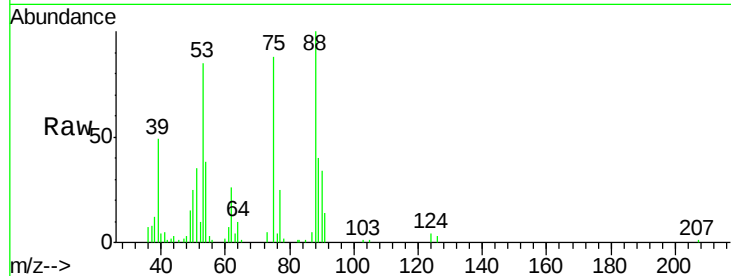
#81
trans-1,4-Dichloro-2-butene
Concen: 17.83 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.7	82.6	124.0
89	47.8	39.2	58.8

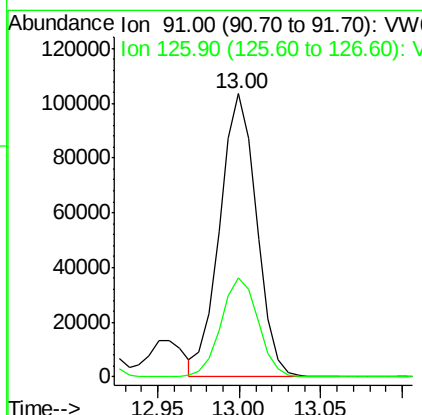
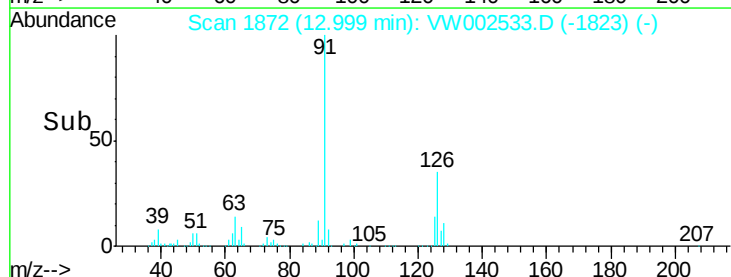
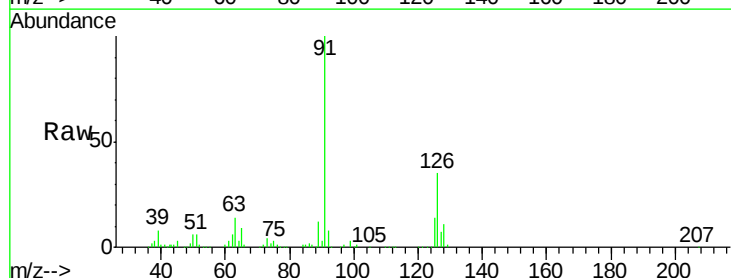
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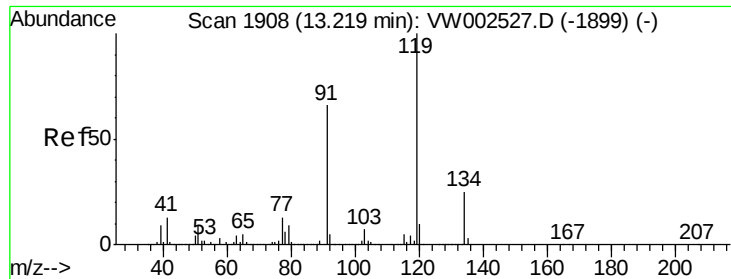
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#82
4-Chlorotoluene
Concen: 19.92 ug/l
RT: 13.00 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.5





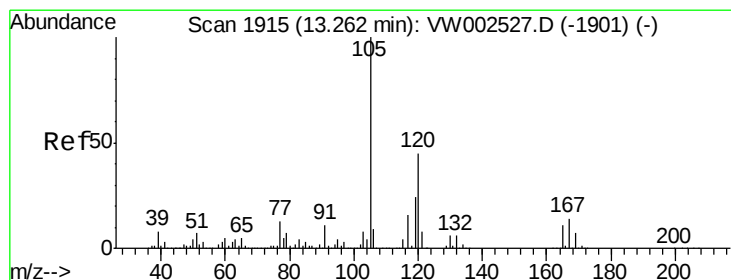
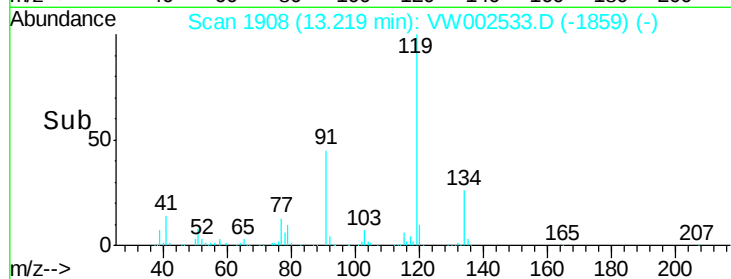
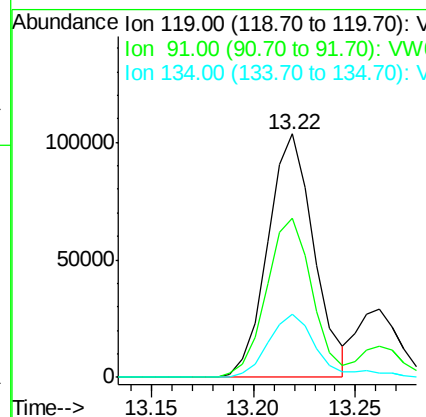
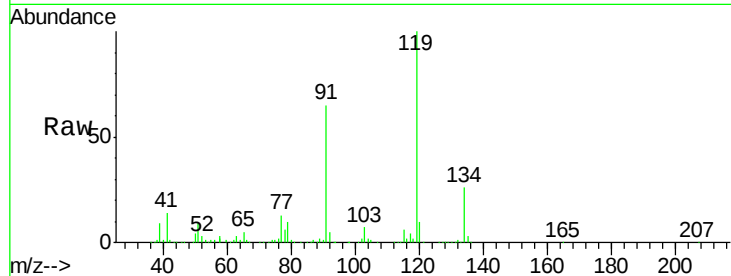
#83
tert-Butylbenzene
Concen: 20.21 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	163446		
91	64.8	32.5	97.5	
134	27.6	13.2	39.6	

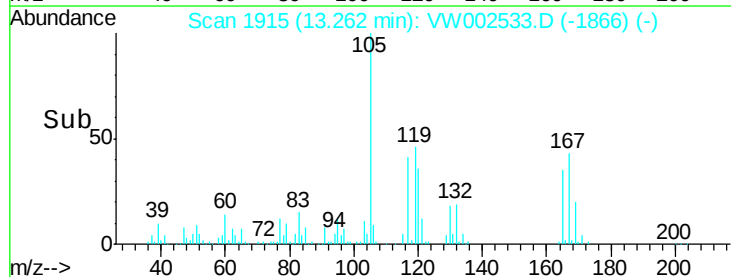
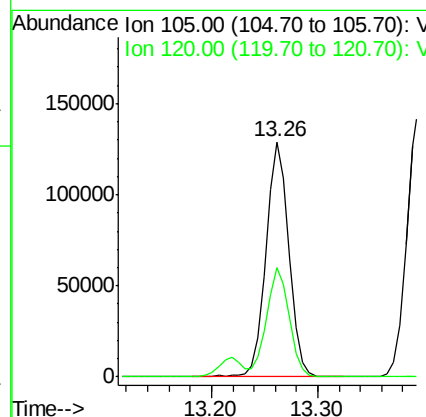
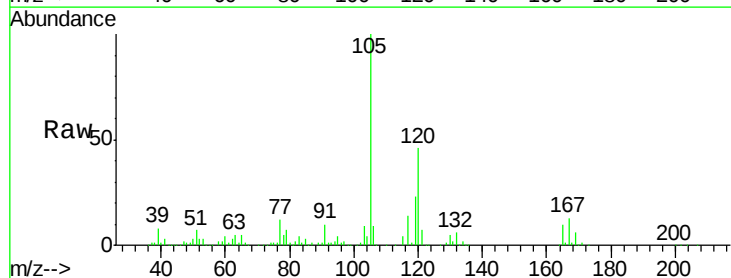
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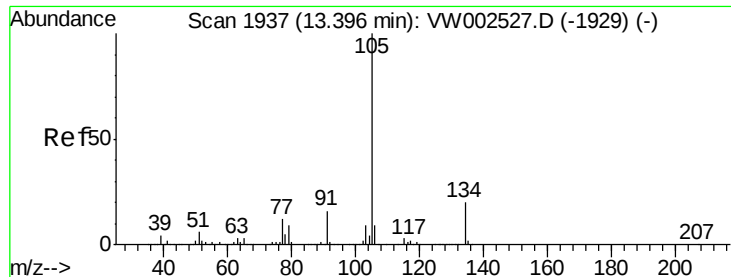
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#84
1,2,4-Trimethylbenzene
Concen: 19.98 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	194260		
120	45.6	22.3	66.9	





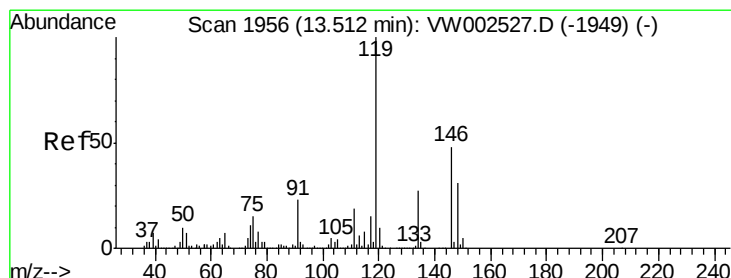
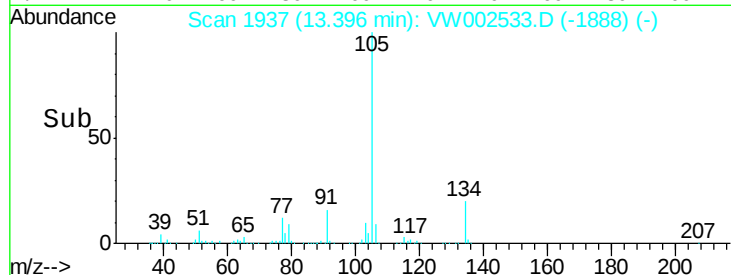
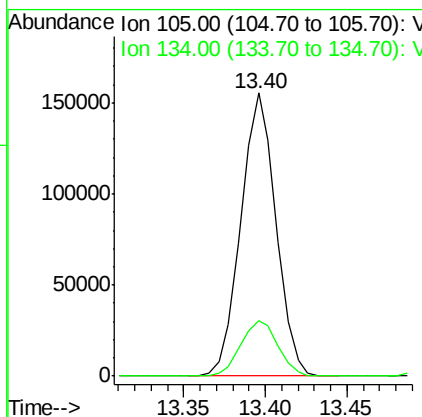
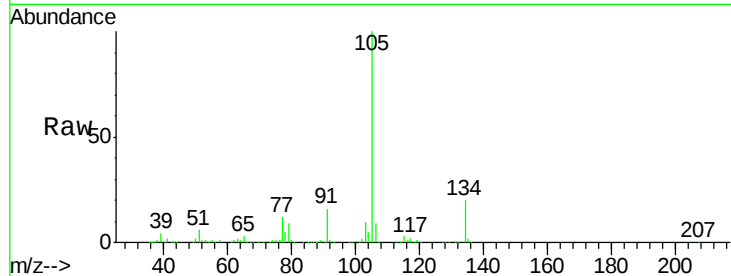
#85
 sec-Butylbenzene
 Concen: 20.08 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.3

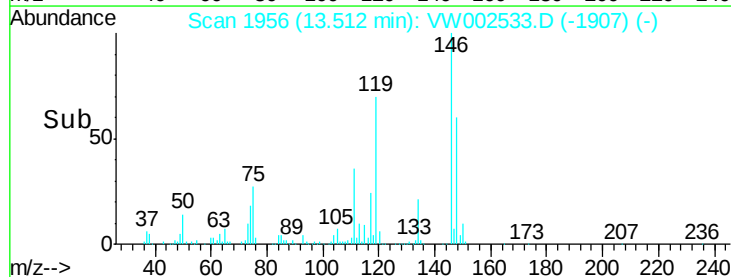
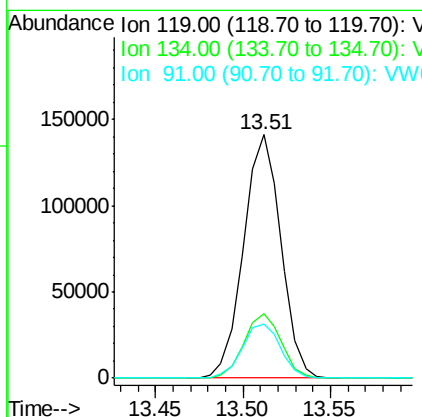
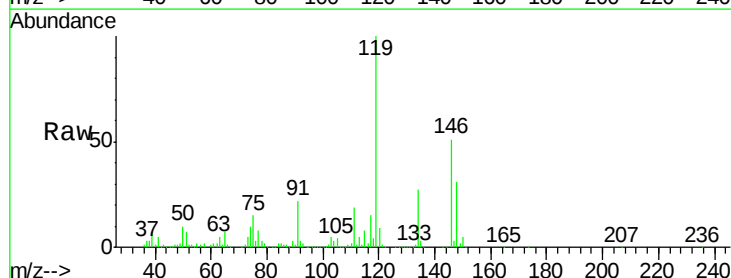
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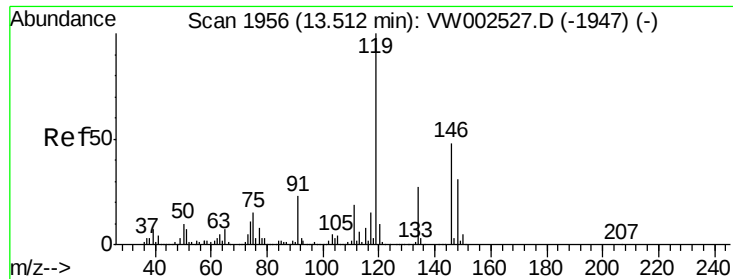
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#86
 p-Isopropyltoluene
 Concen: 20.12 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.1
91	23.0	11.6	34.8





#87

1,3-Dichlorobenzene

Concen: 19.88 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

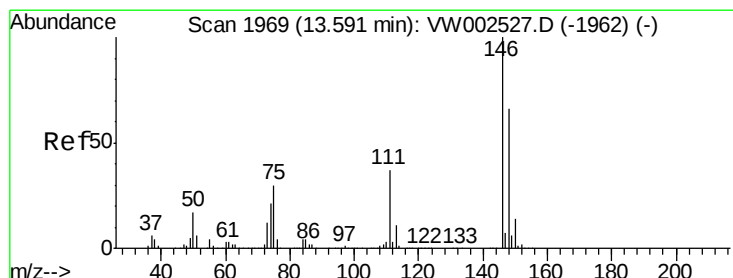
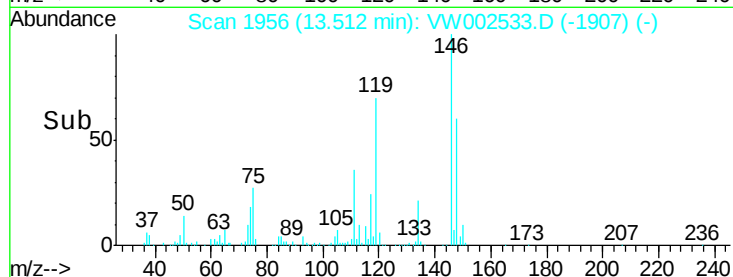
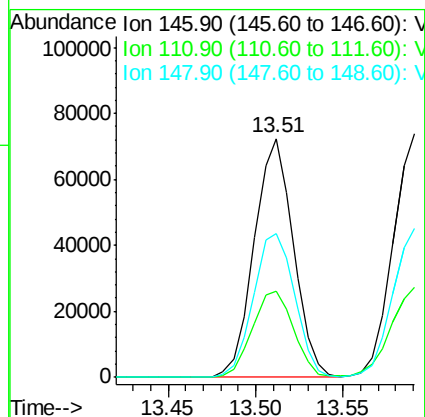
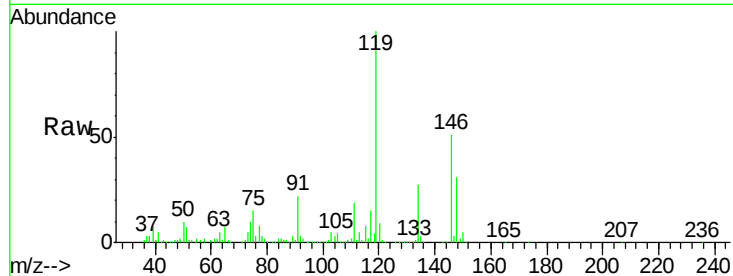
ClientSampleId :

VW0515SBS01

Tot Ion:	146	Resp:	112584
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.6	58.7
148	63.7	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 20.64 ug/l

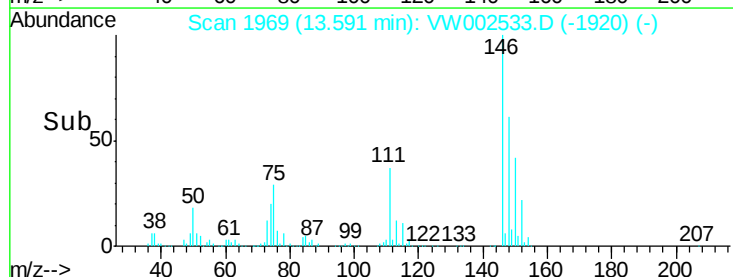
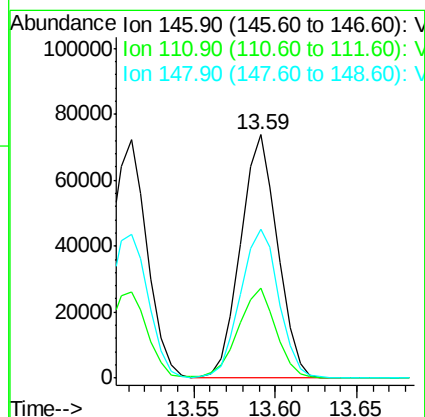
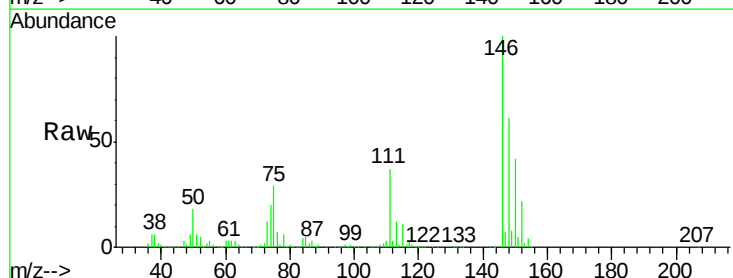
RT: 13.59 min Scan# 1969

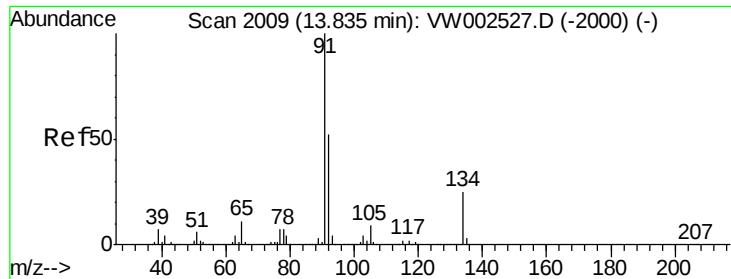
Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion:	146	Resp:	116313
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.5
148	63.7	32.4	97.0





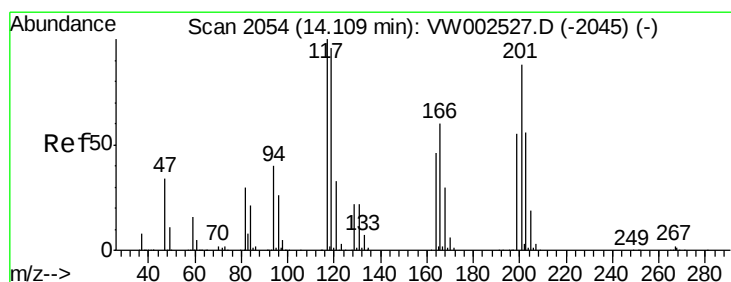
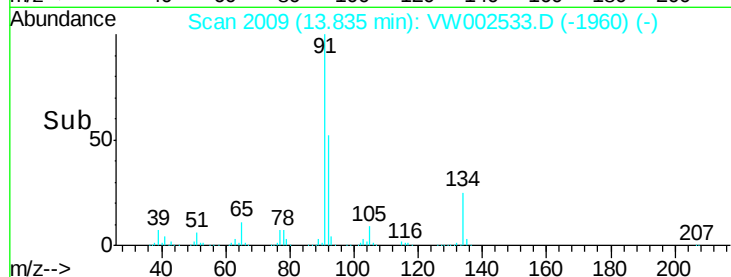
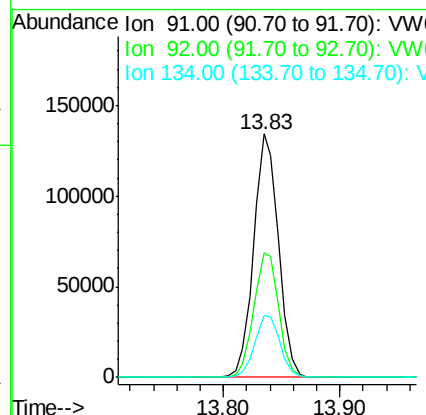
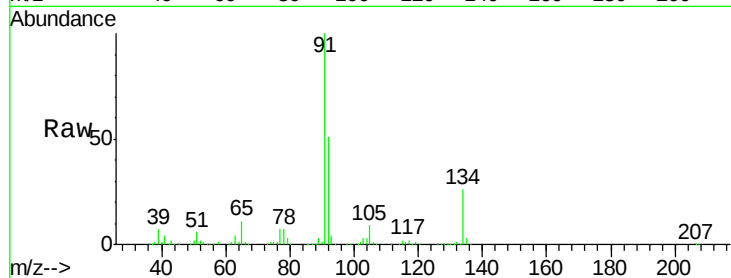
#89
n-Butylbenzene
Concen: 20.06 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	198386		
92	51.6	26.1	78.2	
134	25.9	13.1	39.1	

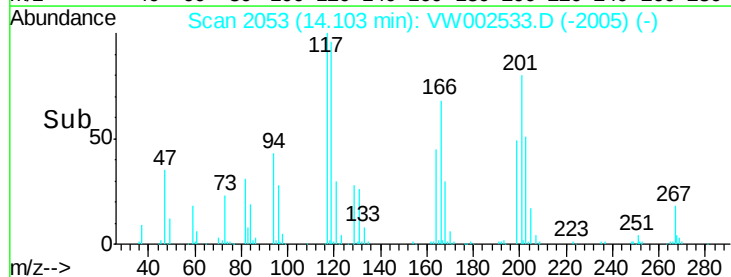
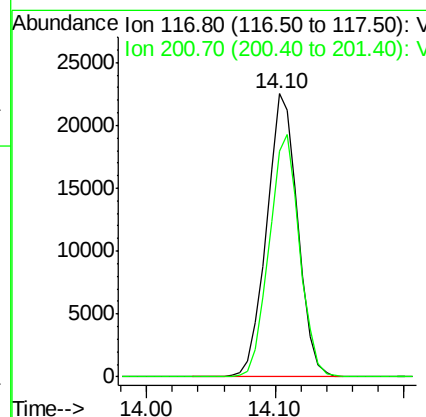
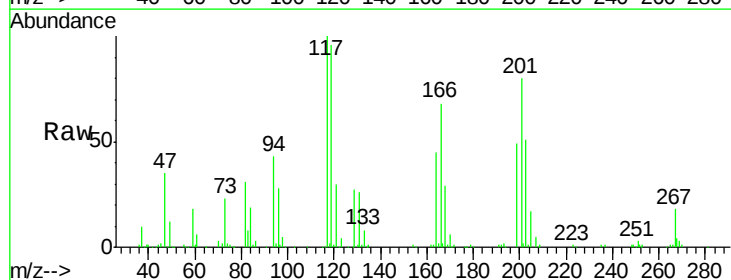
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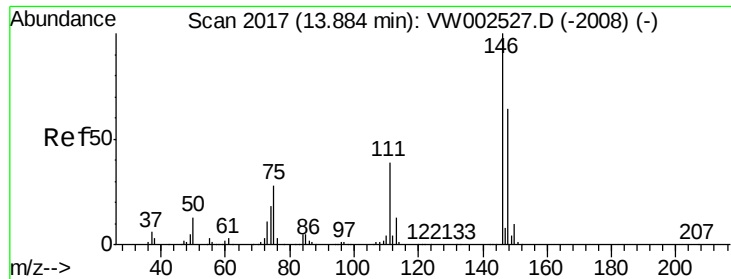
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#90
Hexachloroethane
Concen: 20.08 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.01 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37592		
201	84.0	42.0	126.0	





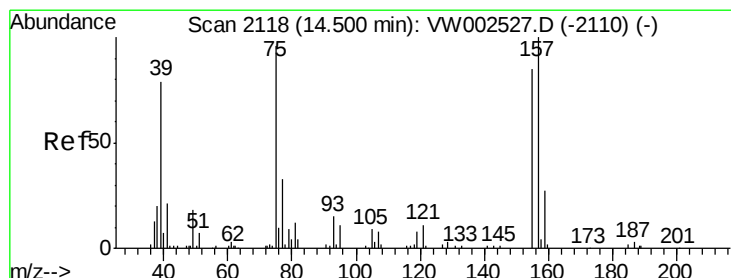
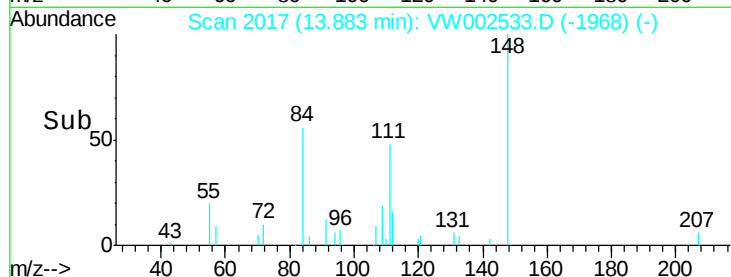
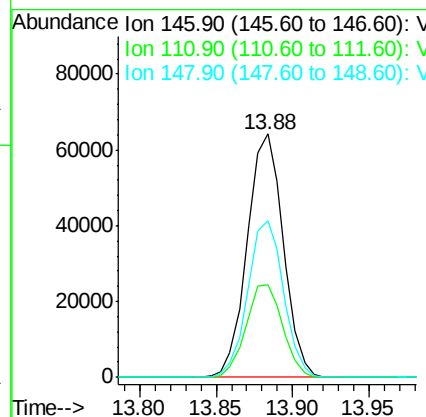
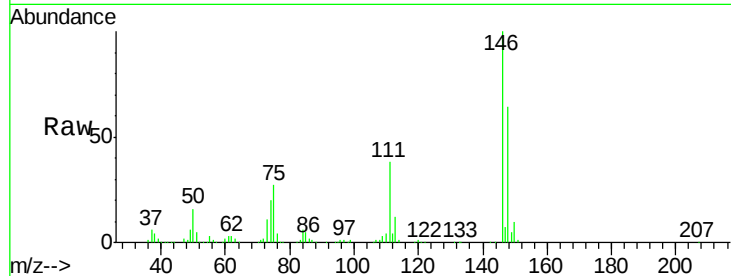
#91
 1,2-Dichlorobenzene
 Concen: 20.48 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.6
148	64.1	32.1	96.3

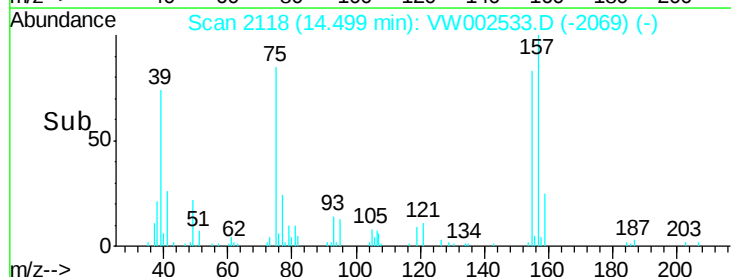
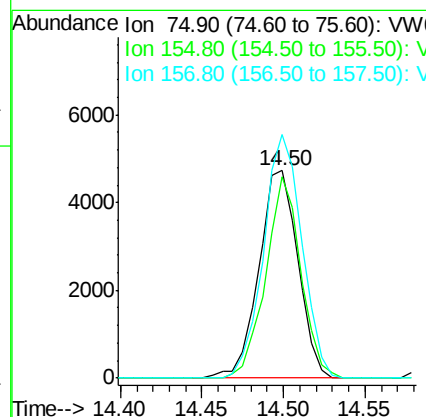
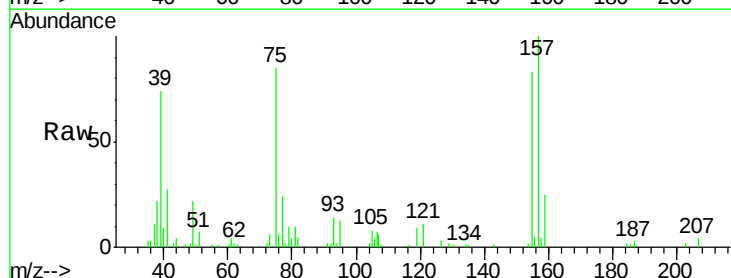
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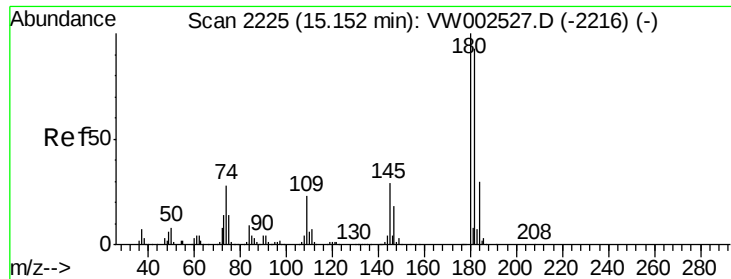
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.17 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	42.8	128.4
157	114.7	57.4	172.0





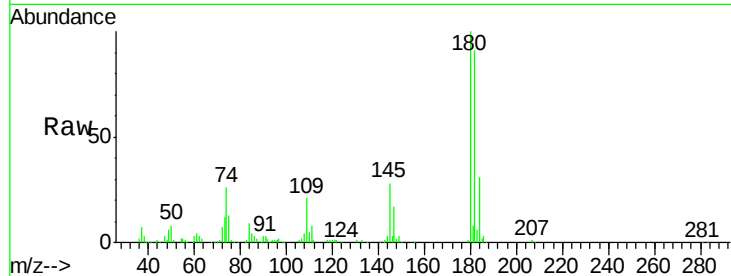
#93
 1,2,4-Trichlorobenzene
 Concen: 20.79 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

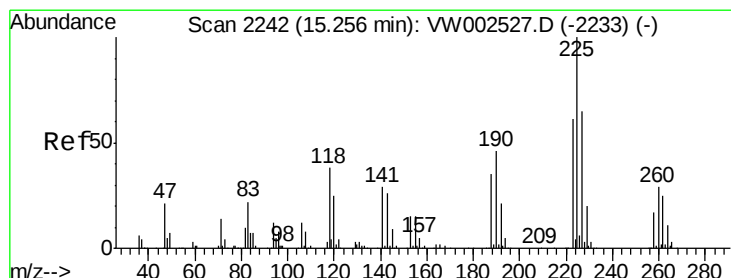
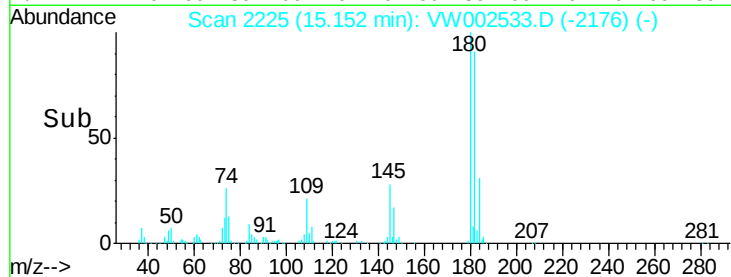
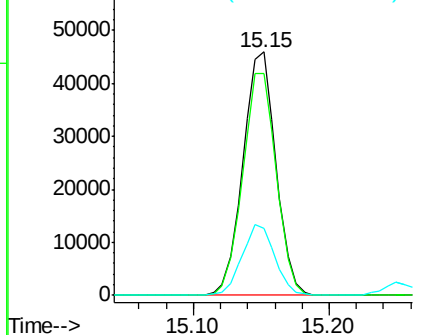
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.2	141.6
145	28.9	14.9	44.9

Manual Integrations
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apatel
 5/15/2018 6:12:14 PM

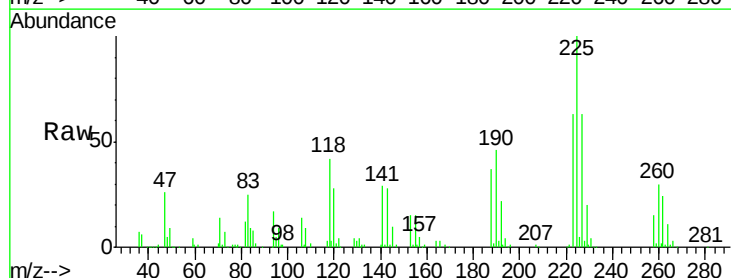


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

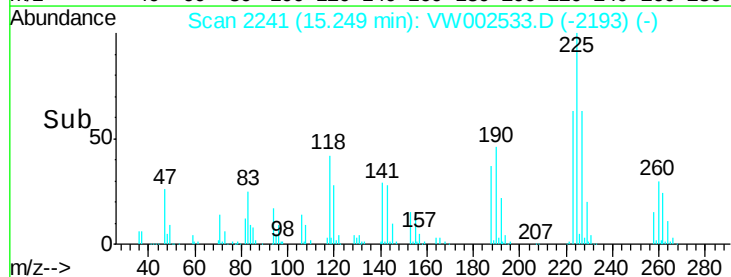
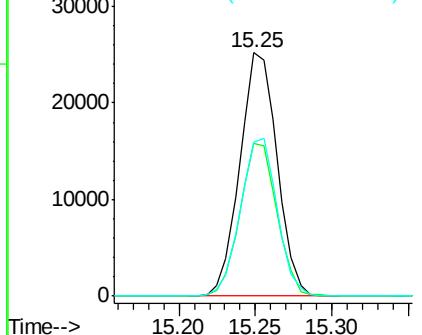


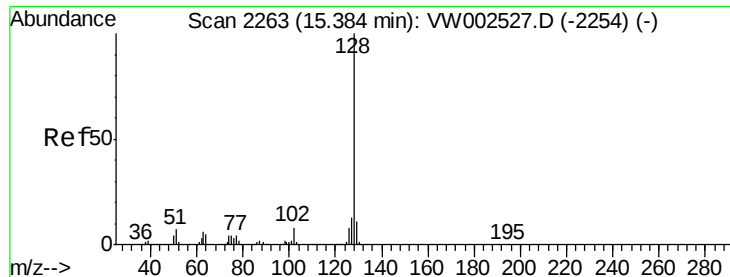
#94
 Hexachlorobutadiene
 Concen: 20.53 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.9
227	63.7	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





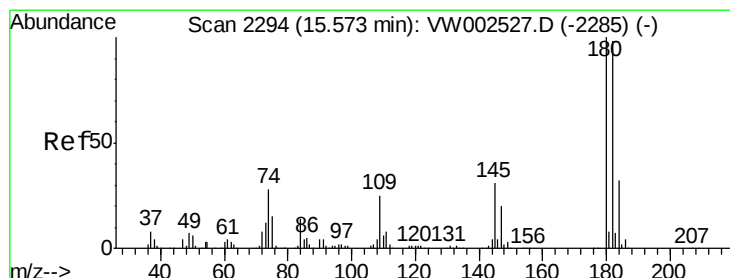
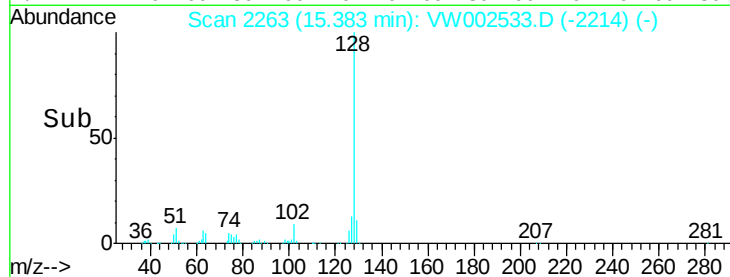
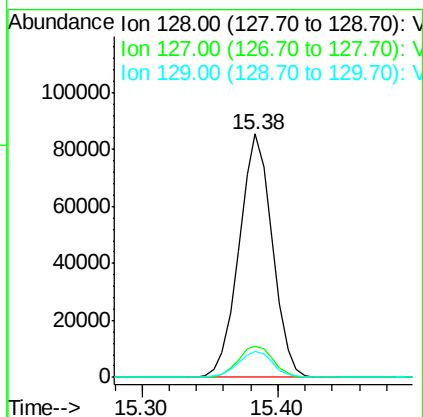
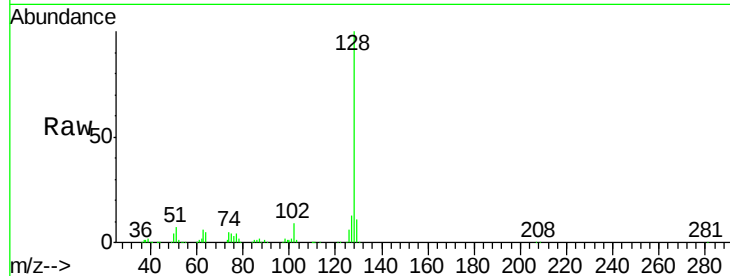
#95
Naphthalene
Concen: 21.43 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.95 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.8
145	31.0	15.5	46.5

