

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101518\
 Data File : VW006062.D
 Acq On : 15 Oct 2018 15:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/16/2018 10:33:41 AM

Quant Time: Oct 16 05:24:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	407208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	202709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	11979	4.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.76%	
35) Dibromofluoromethane	7.89	113	12106	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
50) Toluene-d8	10.33	98	45881	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	
62) 4-Bromofluorobenzene	12.62	95	16754	4.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7218	5.073	ug/l 95
3) Chloromethane	2.21	50	10259	6.053	ug/l 98
4) Vinyl Chloride	2.37	62	13597	5.172	ug/l 97
5) Bromomethane	2.78	94	12573	5.966	ug/l 100
6) Chloroethane	2.93	64	9030	5.289	ug/l 97
7) Trichlorofluoromethane	3.26	101	12182	5.685	ug/l 97
8) Diethyl Ether	3.68	74	7594	5.821	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	13394	5.108	ug/l 96
10) Methyl Iodide	4.26	142	20991	4.877	ug/l 99
11) Tert butyl alcohol	5.23	59	4314m	21.811	ug/l
12) 1,1-Dichloroethene	4.04	96	12490	4.986	ug/l 91
13) Acrolein	3.90	56	4129	22.974	ug/l 92
14) Allyl chloride	4.67	41	17685	4.219	ug/l 98
15) Acrylonitrile	5.38	53	11660	21.390	ug/l 97
16) Acetone	4.14	43	13731	25.637	ug/l 100
17) Carbon Disulfide	4.37	76	36806	4.862	ug/l 97
18) Methyl Acetate	4.68	43	6483	4.725	ug/l 100
19) Methyl tert-butyl Ether	5.44	73	19098	4.906	ug/l 95
20) Methylene Chloride	4.92	84	18865	6.788	ug/l 96
21) trans-1,2-Dichloroethene	5.42	96	13567	4.954	ug/l 97
22) Diisopropyl ether	6.32	45	33190	4.211	ug/l 97
23) Vinyl Acetate	6.26	43	95014	19.740	ug/l 98
24) 1,1-Dichloroethane	6.21	63	21555	4.434	ug/l 100
25) 2-Butanone	7.19	43	15480	20.203	ug/l 97
26) 2,2-Dichloropropane	7.17	77	16760	4.929	ug/l 95
27) cis-1,2-Dichloroethene	7.17	96	14921	4.828	ug/l 97
28) Bromochloromethane	7.52	49	8428	4.580	ug/l 95
29) Tetrahydrofuran	7.54	42	10027	20.686	ug/l 98
30) Chloroform	7.68	83	23648	4.705	ug/l 99
31) Cyclohexane	7.96	56	26029	5.427	ug/l # 83
32) 1,1,1-Trichloroethane	7.87	97	21716	4.844	ug/l 97
36) 1,1-Dichloropropene	8.09	75	19158	4.974	ug/l 99
37) Ethyl Acetate	7.26	43	6899	4.309	ug/l 99
38) Carbon Tetrachloride	8.07	117	20566	4.953	ug/l 94

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

39) Methylcyclohexane	9.34	83	25730	5.072	ug/l	100
40) Benzene	8.33	78	51768	4.908	ug/l	100
41) Methacrylonitrile	7.49	41	3145	3.114	ug/l #	69
42) 1,2-Dichloroethane	8.41	62	15296	4.802	ug/l	98
43) Isopropyl Acetate	8.43	43	13902	4.169	ug/l	99
44) Trichloroethene	9.09	130	15879	5.157	ug/l	95
45) 1,2-Dichloropropane	9.37	63	12295	4.679	ug/l	99
46) Dibromomethane	9.46	93	6853	4.716	ug/l	98
47) Bromodichloromethane	9.65	83	16303	4.474	ug/l	98
48) Methyl methacrylate	9.45	41	6455	4.053	ug/l	96
49) 1,4-Dioxane	9.48	88	2162	97.438	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	34619	21.221	ug/l	99
52) Toluene	10.39	92	34740	4.994	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	15655	4.146	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	18336	4.303	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9688	4.800	ug/l	95
56) Ethyl methacrylate	10.65	69	11216	4.182	ug/l	96
57) 1,3-Dichloropropane	10.94	76	15860	4.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	25636	23.695	ug/l	98
59) 2-Hexanone	10.98	43	23922	20.562	ug/l	94
60) Dibromochloromethane	11.13	129	11000	4.240	ug/l	100
61) 1,2-Dibromoethane	11.24	107	9400	4.657	ug/l	99
64) Tetrachloroethene	10.87	164	14631	5.321	ug/l	96
65) Chlorobenzene	11.66	112	40270	5.132	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	13315	4.629	ug/l	99
67) Ethyl Benzene	11.74	91	68999	4.996	ug/l	99
68) m/p-Xylenes	11.84	106	53934	9.964	ug/l	100
69) o-Xylene	12.17	106	25689	4.953	ug/l	100
70) Styrene	12.19	104	40380	4.702	ug/l	99
71) Bromoform	12.35	173	6945	4.081	ug/l #	95
73) Isopropylbenzene	12.47	105	72124	4.935	ug/l	99
74) N-amyl acetate	12.28	43	13251	3.915	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10684	4.488	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8382m	4.798	ug/l	
77) Bromobenzene	12.75	156	17610	5.057	ug/l	98
78) n-propylbenzene	12.81	91	83943	4.887	ug/l	99
79) 2-Chlorotoluene	12.90	91	47004	4.842	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	60101	4.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2705	3.288	ug/l	92
82) 4-Chlorotoluene	12.99	91	49480	4.864	ug/l	99
83) tert-Butylbenzene	13.21	119	53887	4.910	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	61358	4.929	ug/l	98
85) sec-Butylbenzene	13.39	105	77007	4.994	ug/l	99
86) p-Isopropyltoluene	13.51	119	68534	4.935	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	35314	5.111	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	35899	5.229	ug/l	95
89) n-Butylbenzene	13.83	91	63188	4.858	ug/l	98
90) Hexachloroethane	14.10	117	10656	4.125	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	31650	5.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1966	4.465	ug/l	88

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ClientSampleId :
VSTDICC005

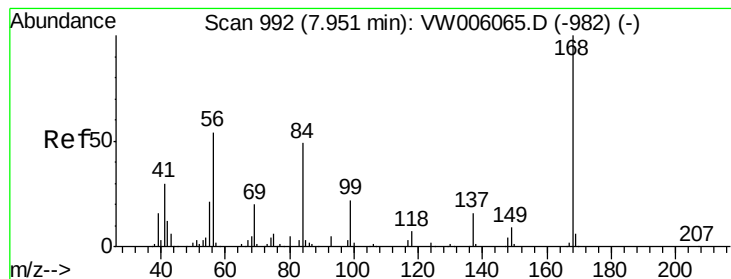
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24093	5.092	ug/l	99
94) Hexachlorobutadiene	15.24	225	15321	5.185	ug/l	99
95) Naphthalene	15.38	128	37773	4.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	20266	4.945	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 288111

Ion Ratio Lower Upper

168 100

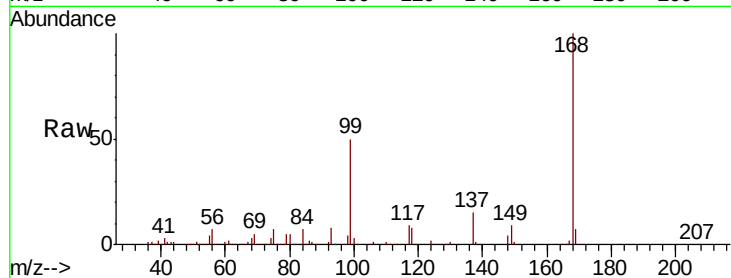
99 50.2 39.9 59.9

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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

150000

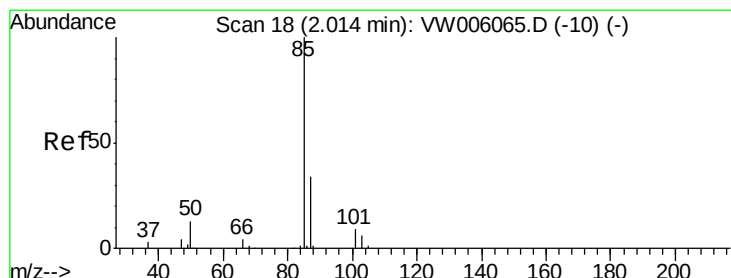
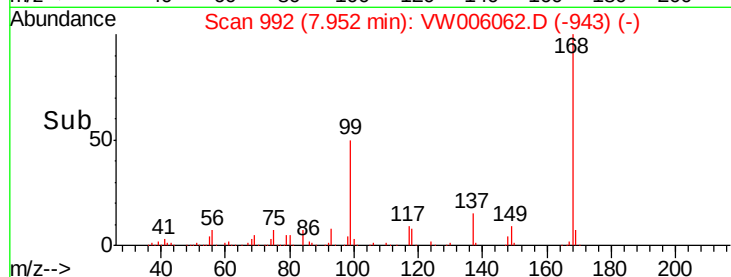
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 5.073 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006062.D

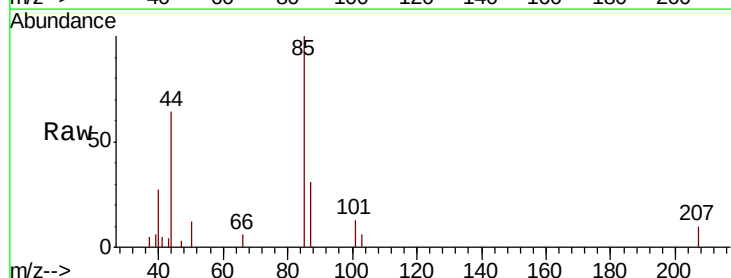
Acq: 15 Oct 2018 15:50

Tgt Ion: 85 Resp: 7218

Ion Ratio Lower Upper

85 100

87 31.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

2500

2000

1500

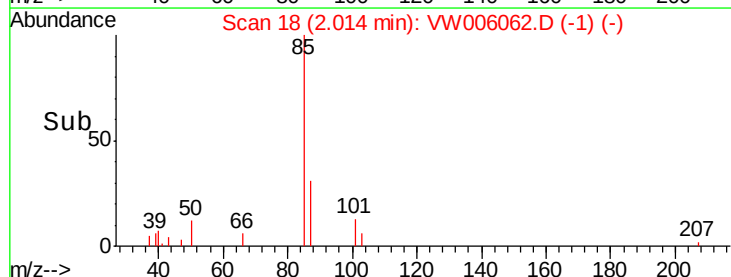
1000

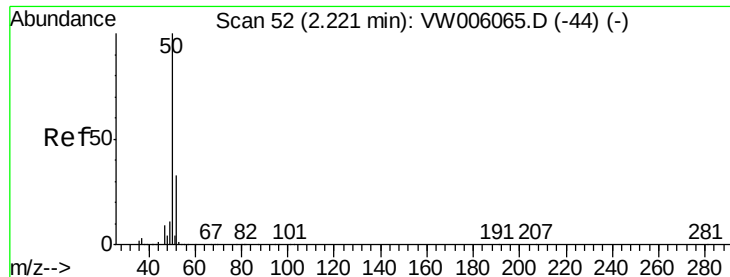
500

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 6.053 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10259

Ion Ratio Lower Upper

50 100

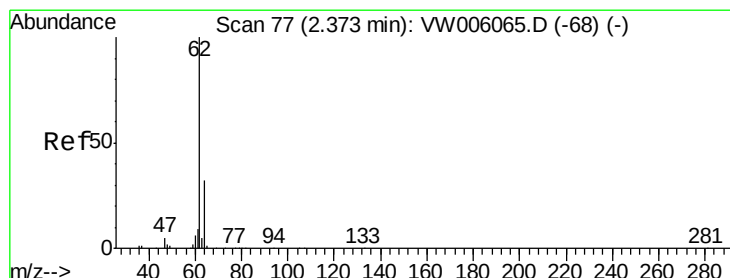
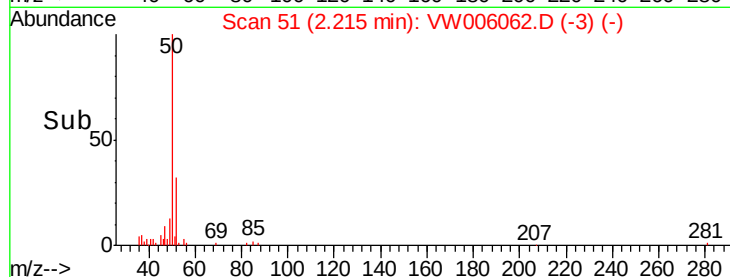
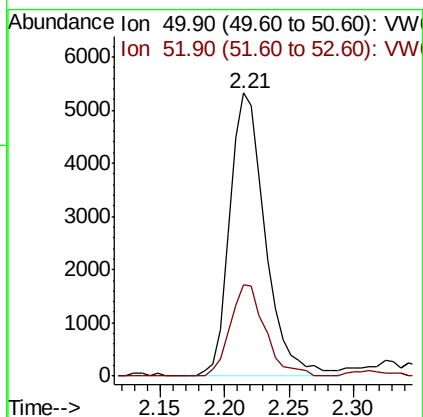
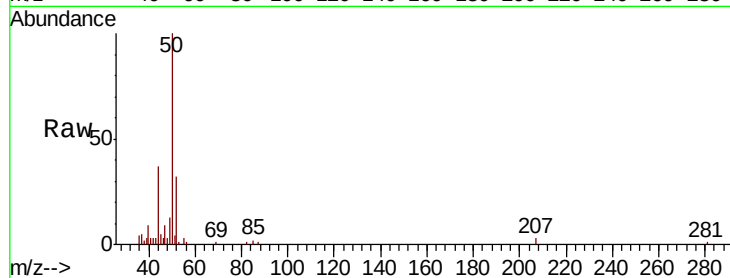
52 32.3 26.8 40.2

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#4

Vinyl Chloride

Concen: 5.172 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006062.D

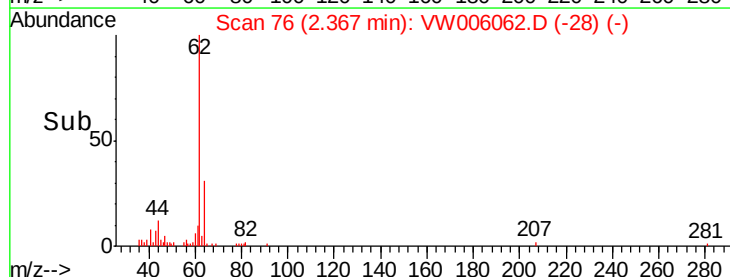
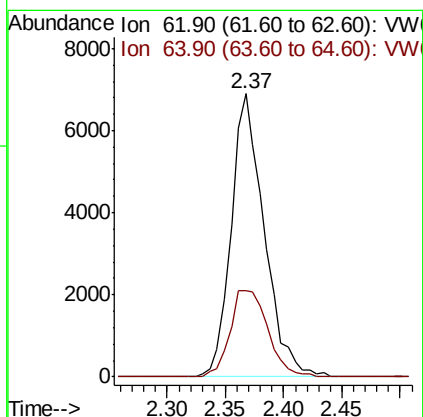
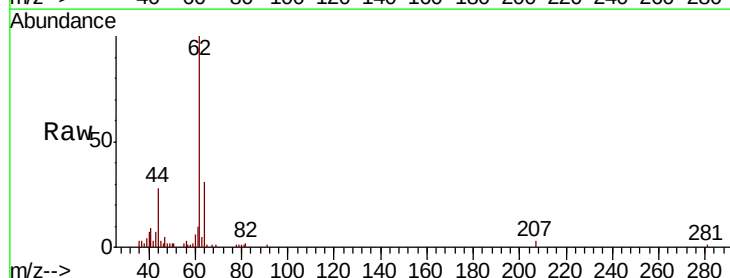
Acq: 15 Oct 2018 15:50

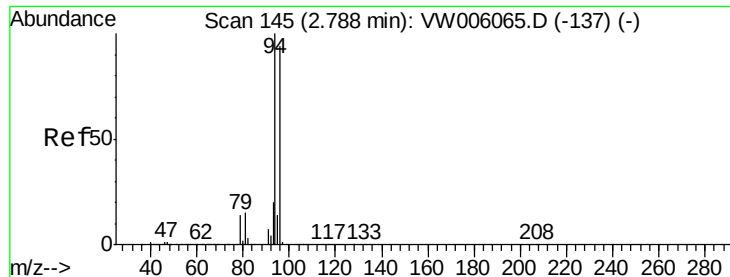
Tgt Ion: 62 Resp: 13597

Ion Ratio Lower Upper

62 100

64 30.6 25.9 38.9





#5

Bromomethane

Concen: 5.966 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12573

Ion Ratio Lower Upper

94 100

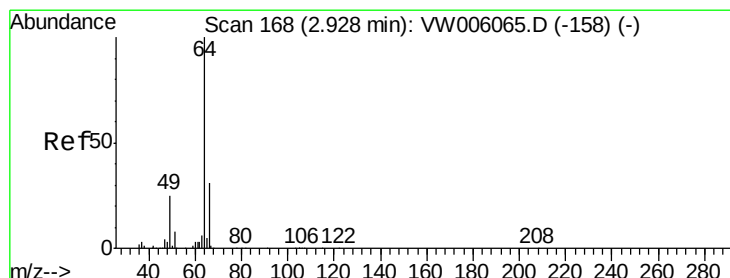
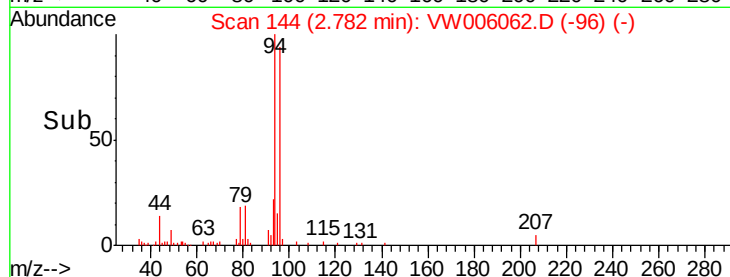
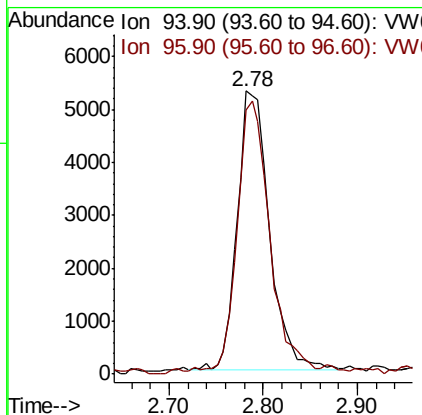
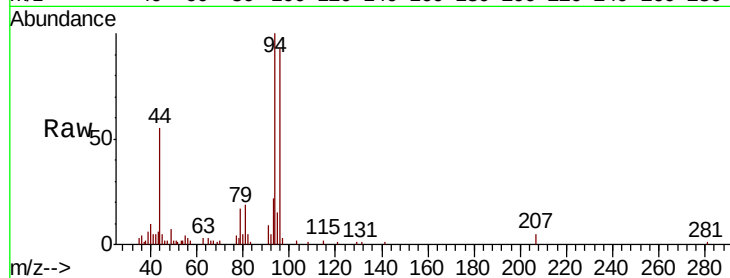
96 93.7 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 5.289 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006062.D

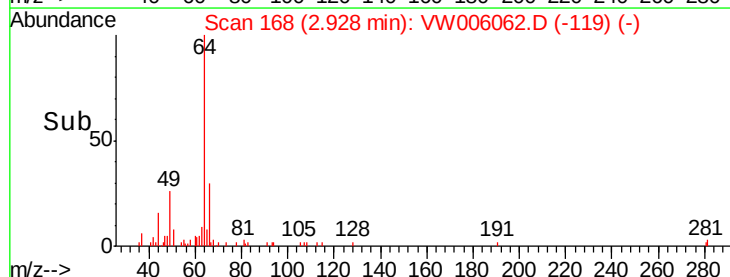
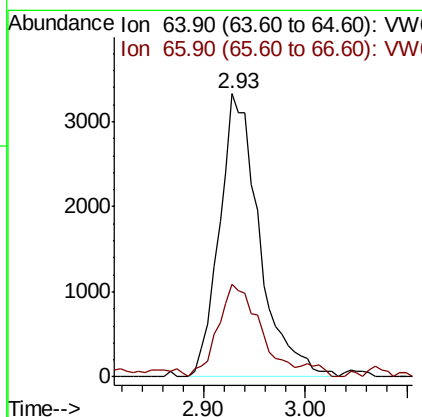
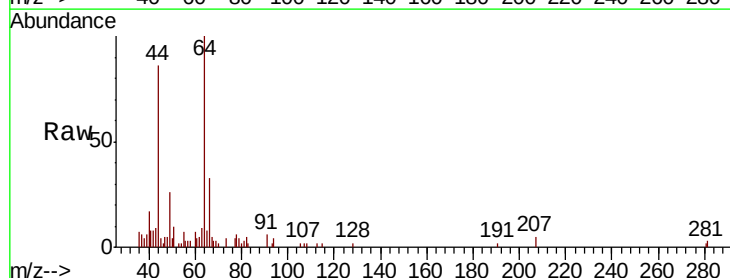
Acq: 15 Oct 2018 15:50

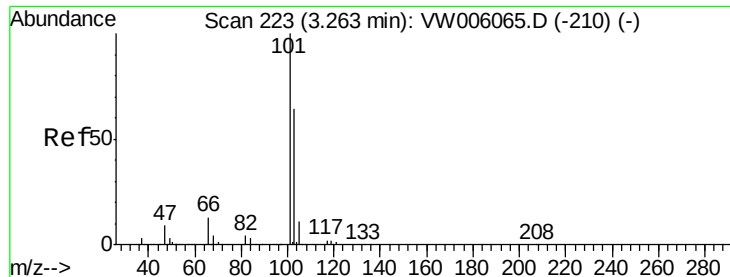
Tgt Ion: 64 Resp: 9030

Ion Ratio Lower Upper

64 100

66 32.7 24.9 37.3





#7

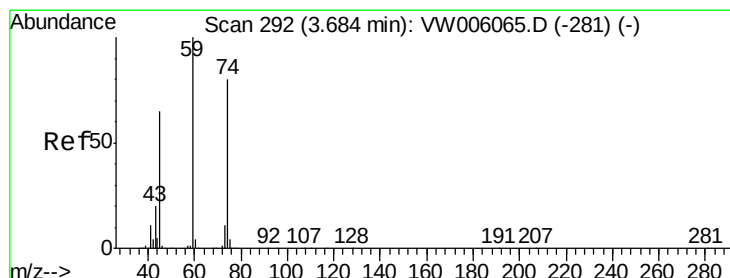
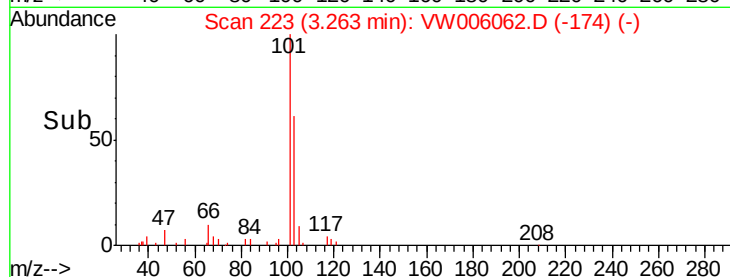
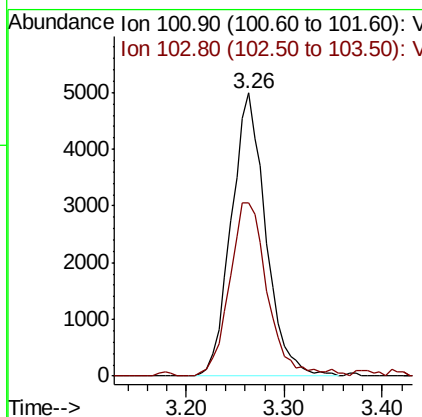
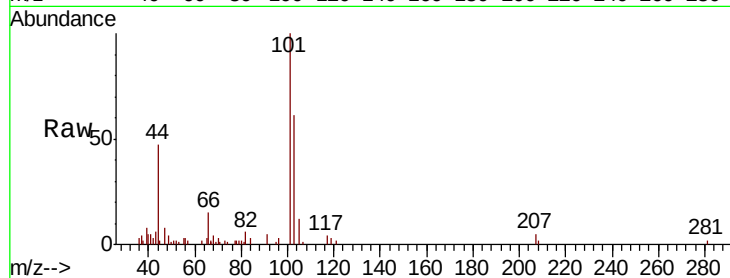
Trichlorofluoromethane
 Concen: 5.685 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	51.2	76.8

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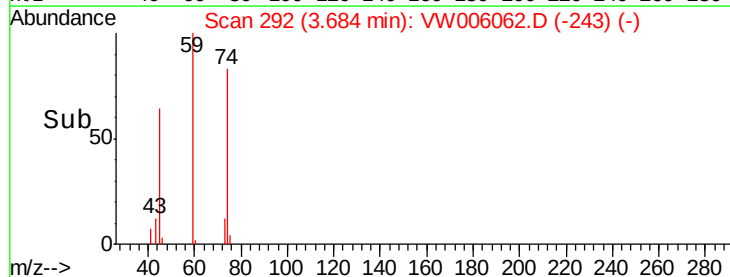
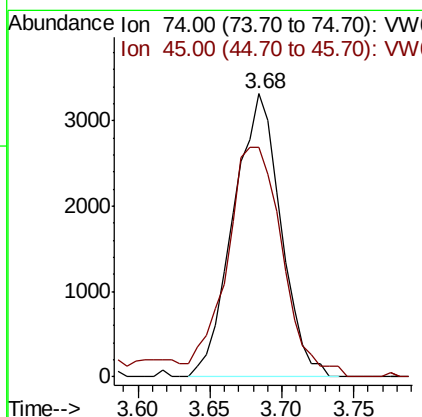
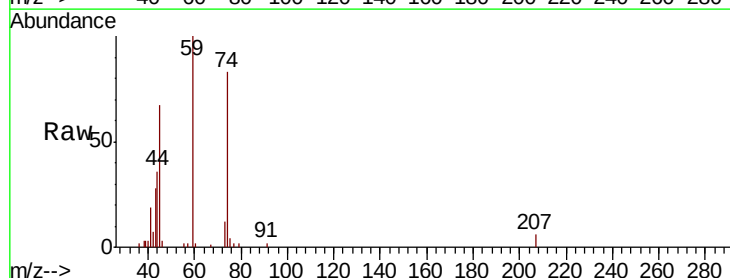
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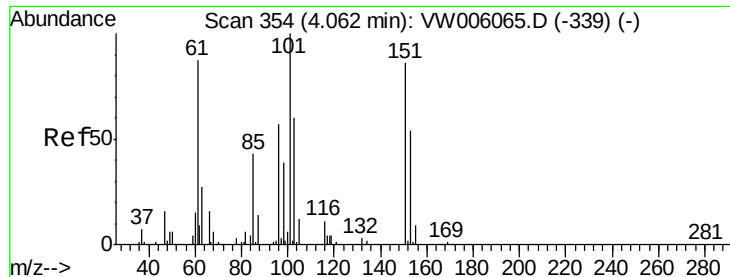


#8

Diethyl Ether
 Concen: 5.821 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.108 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

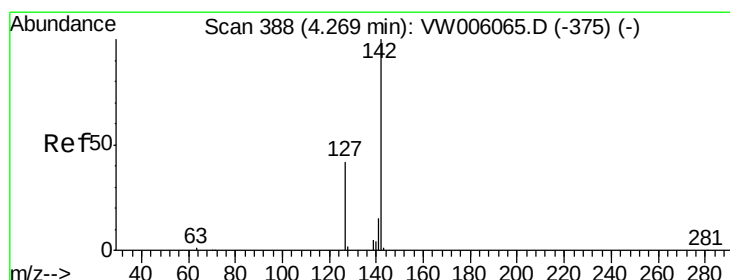
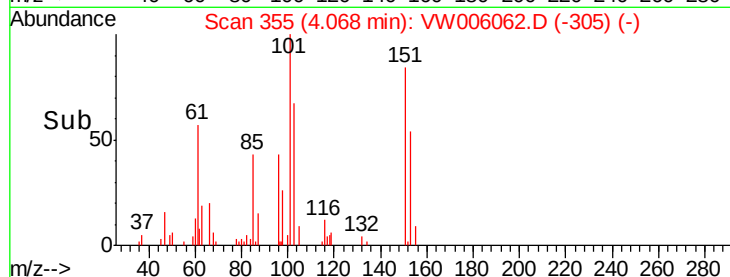
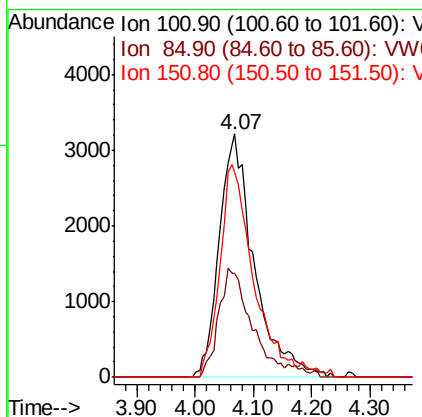
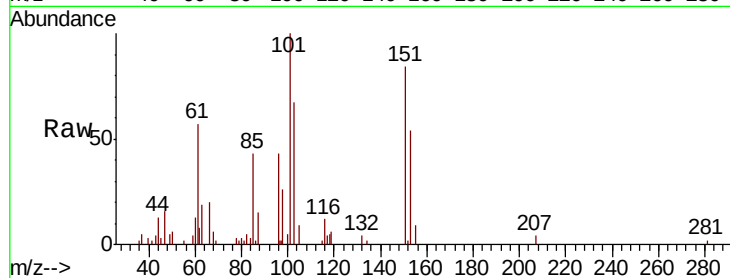
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13394
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.9	52.3
151	83.4	70.4	105.6

Manual Integrations
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#10

Methyl Iodide

Concen: 4.877 ug/l

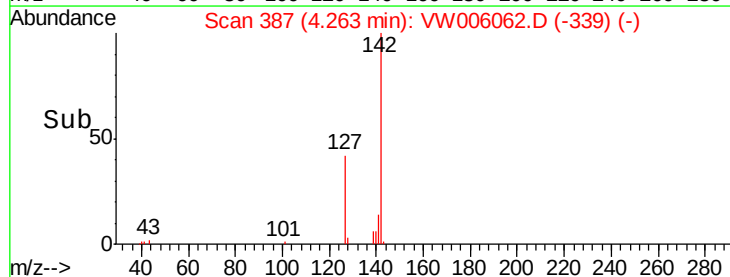
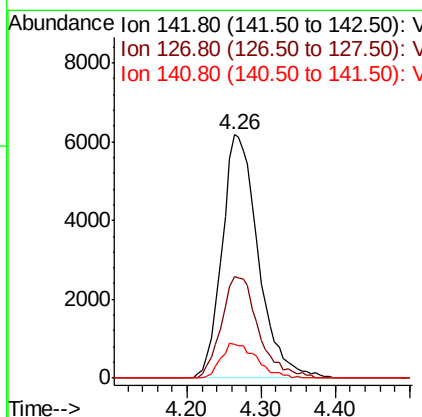
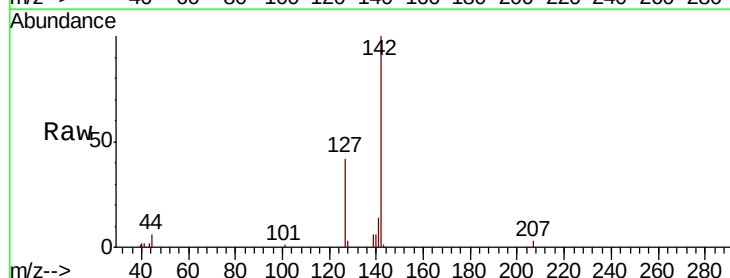
RT: 4.26 min Scan# 387

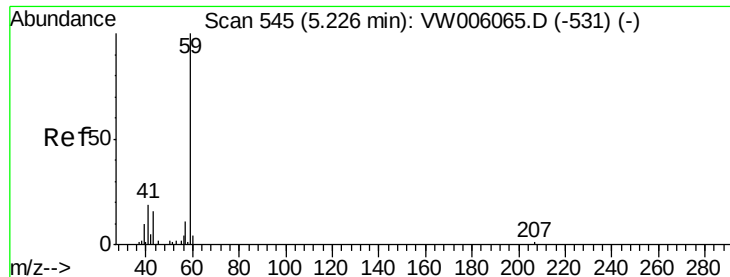
Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion:	142	Resp:	20991
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.6	50.4
141	14.1	11.6	17.4





#11

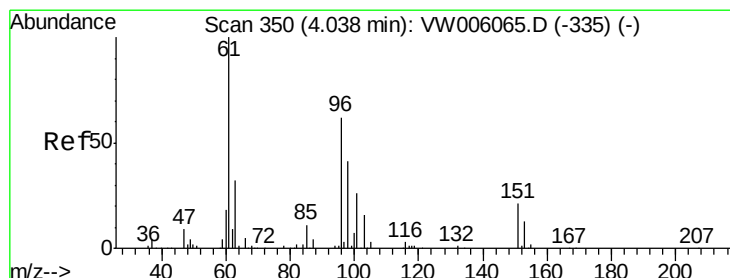
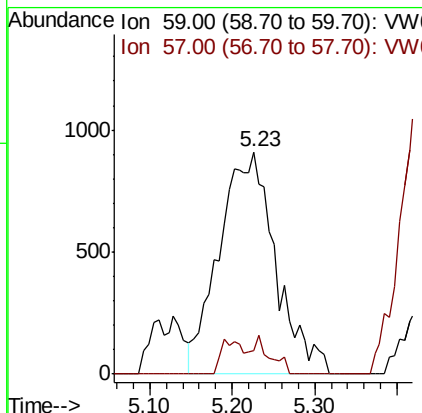
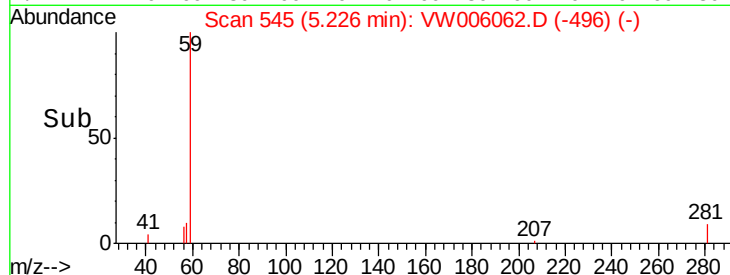
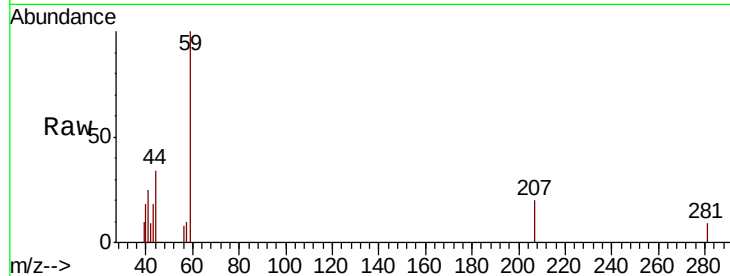
Tert butyl alcohol
 Concen: 21.811 ug/l m
 RT: 5.23 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 4314
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.7 13.1#

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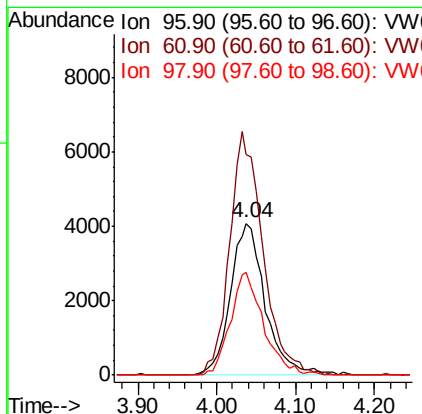
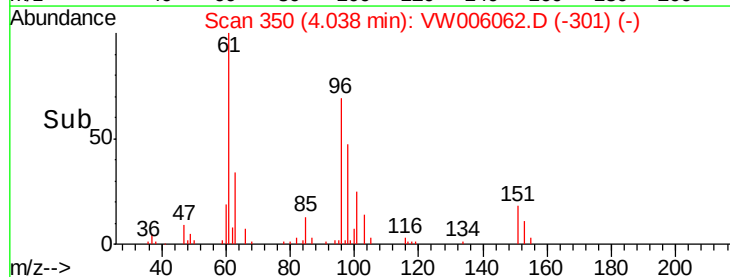
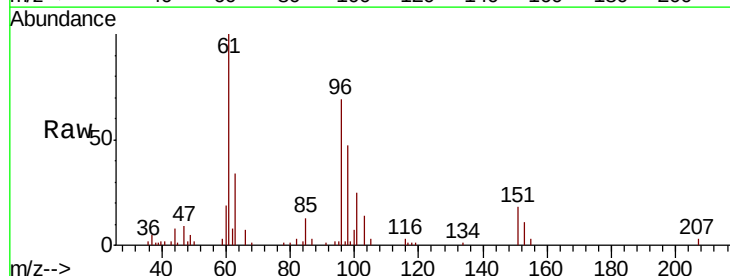
apatel
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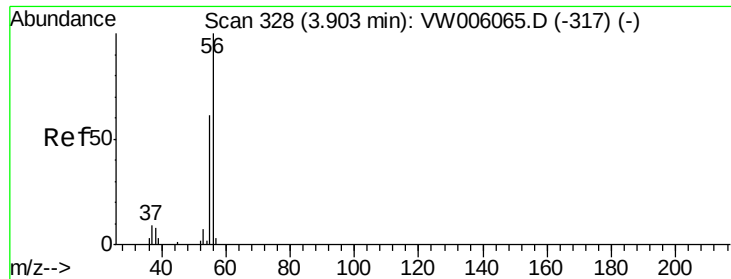


#12

1,1-Dichloroethene
 Concen: 4.986 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 96 Resp: 12490
 Ion Ratio Lower Upper
 96 100
 61 145.3 129.3 193.9
 98 67.8 53.1 79.7





#13

Acrolein

Concen: 22.974 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4129

Ion Ratio Lower Upper

56 100

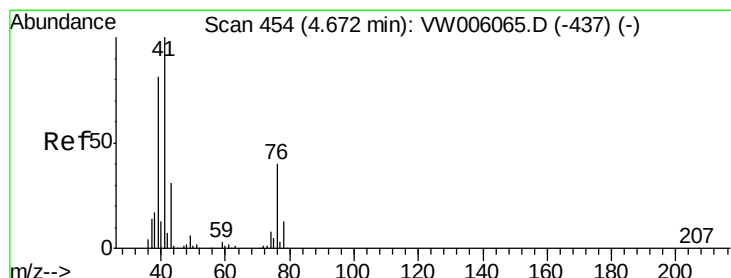
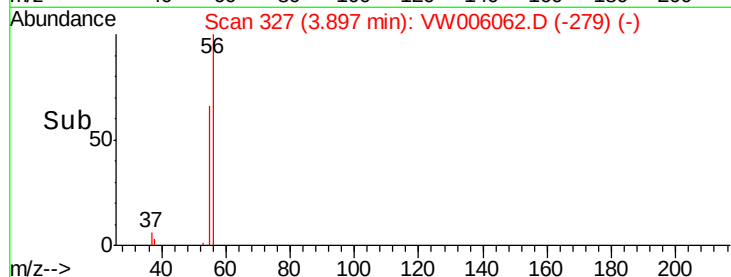
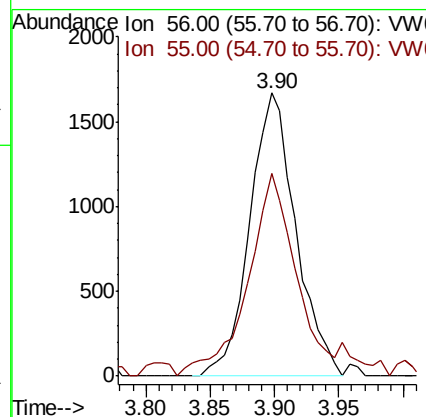
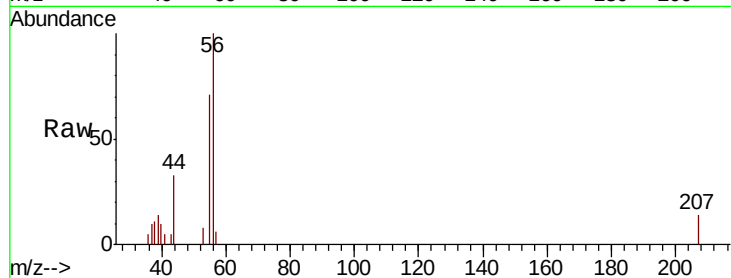
55 74.5 54.5 81.7

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#14

Allyl chloride

Concen: 4.219 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

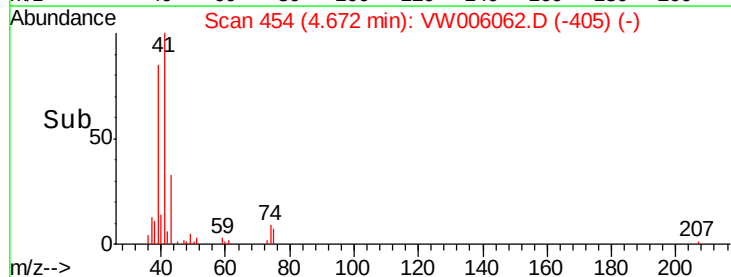
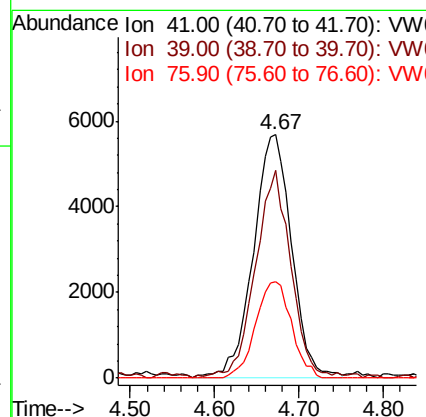
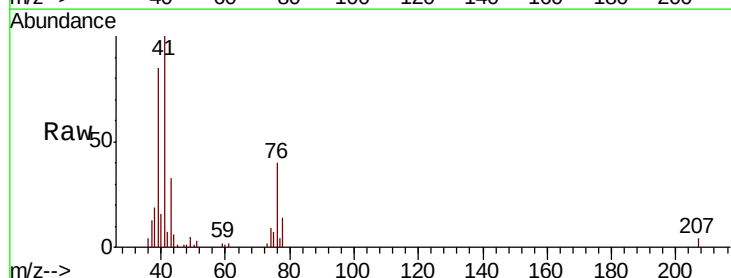
Tgt Ion: 41 Resp: 17685

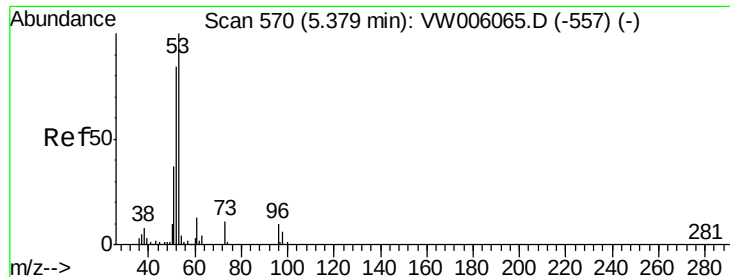
Ion Ratio Lower Upper

41 100

39 79.9 64.1 96.1

76 37.0 32.2 48.4





#15

Acrylonitrile

Concen: 21.390 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

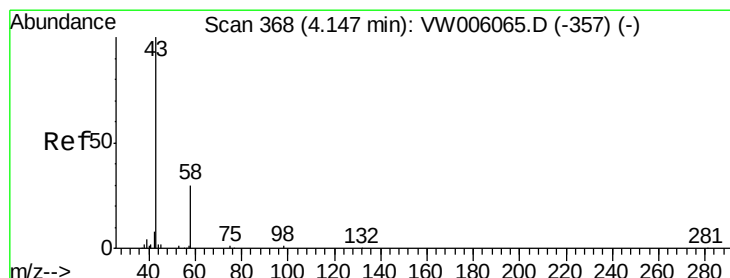
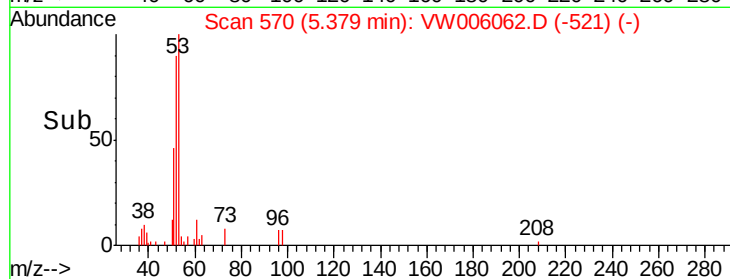
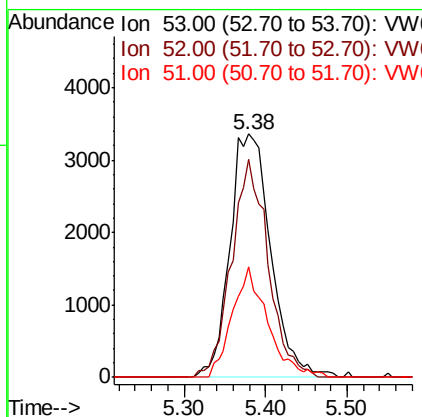
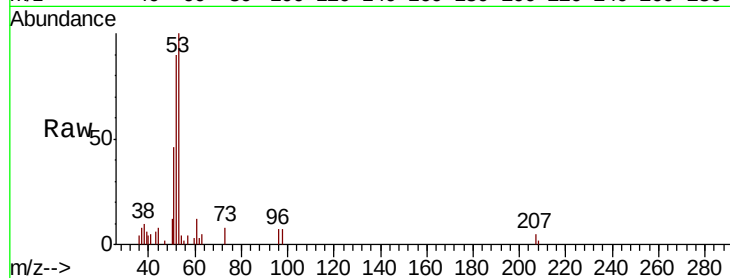
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	11660
Ion	Ratio	Lower	Upper
53	100		
52	80.2	66.9	100.3
51	39.2	30.1	45.1

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#16

Acetone

Concen: 25.637 ug/l

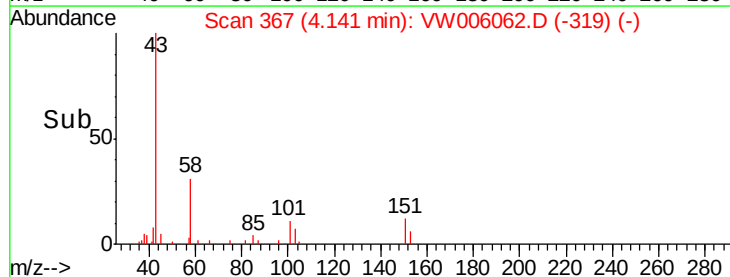
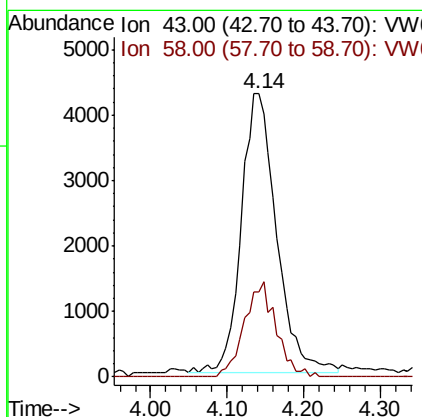
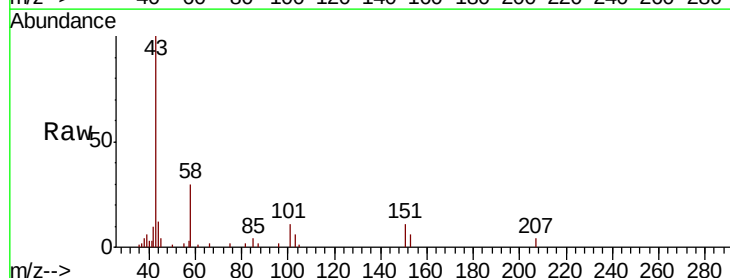
RT: 4.14 min Scan# 367

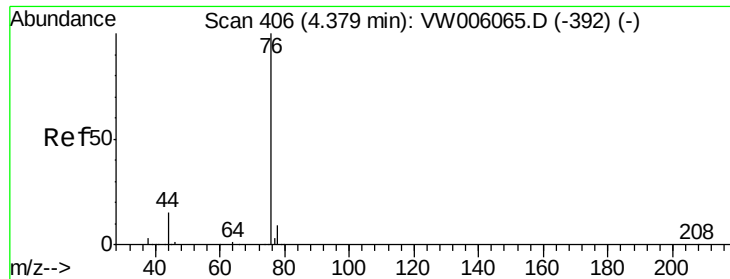
Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion:	43	Resp:	13731
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0





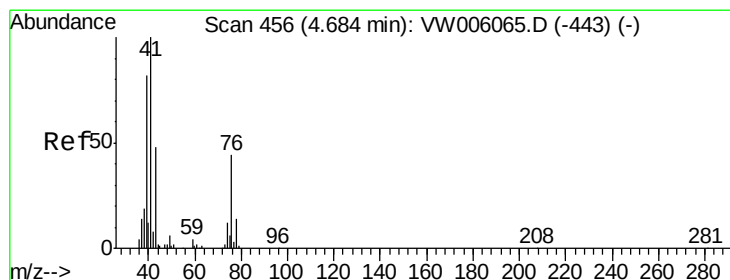
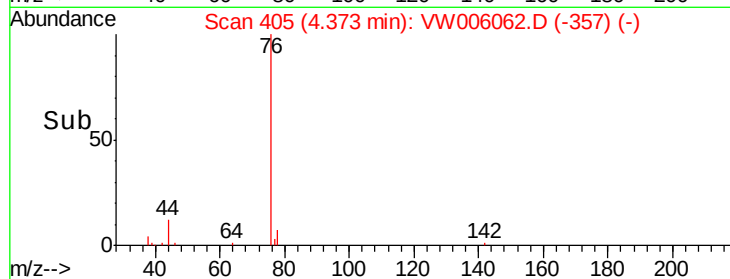
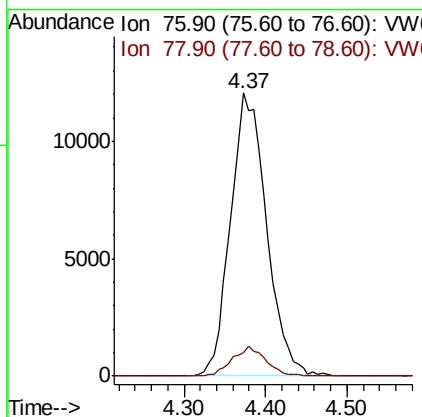
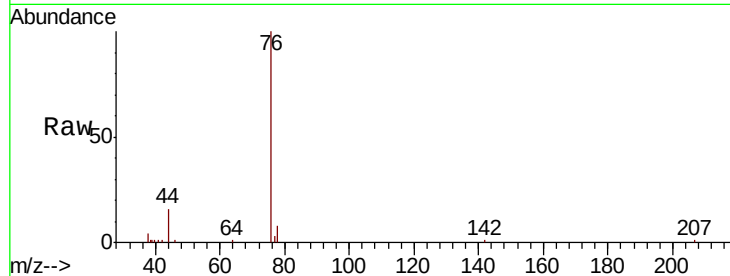
#17
Carbon Disulfide
Concen: 4.862 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.5	11.3

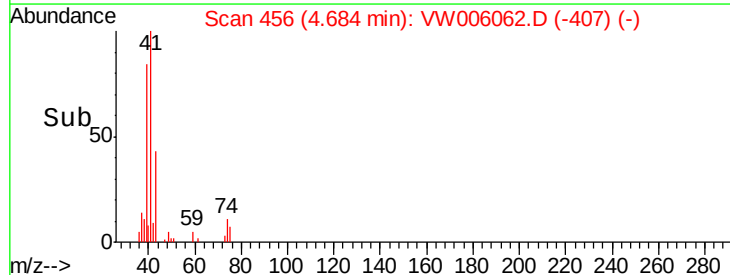
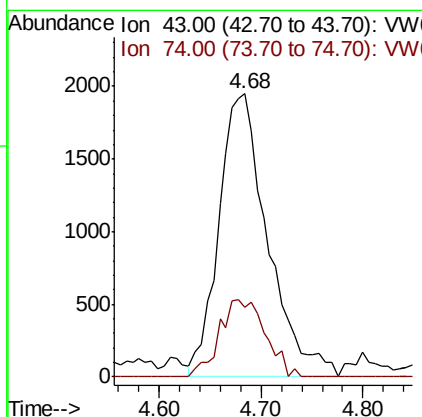
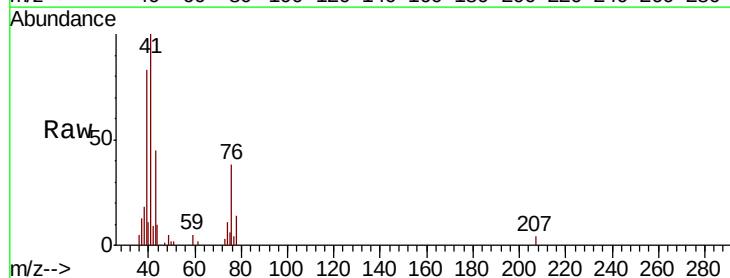
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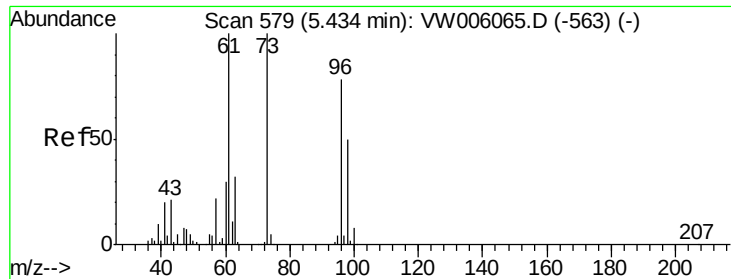
apatel
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#18
Methyl Acetate
Concen: 4.725 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.5	30.7





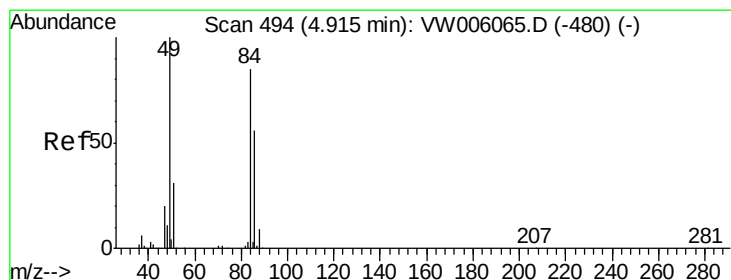
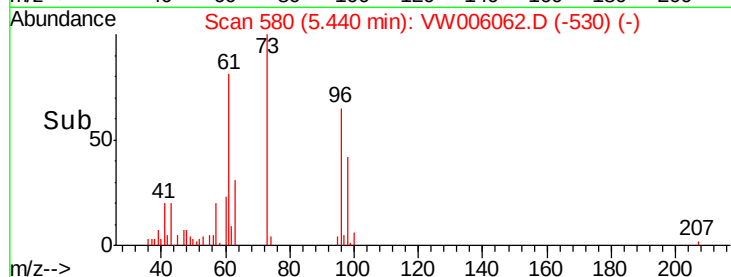
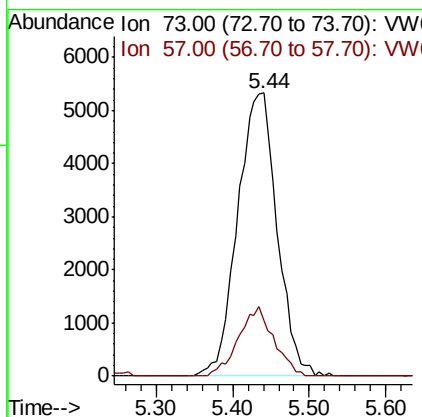
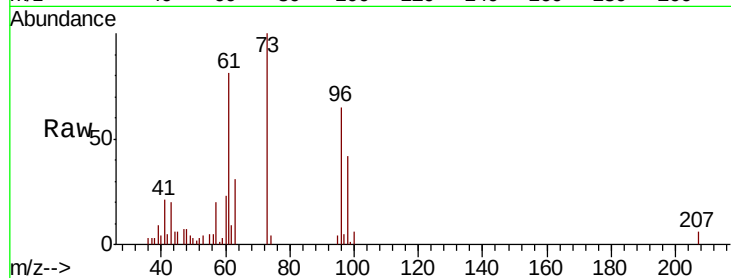
#19
Methyl tert-butyl Ether
Concen: 4.906 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	73	Resp	19098
Ion Ratio	Lower	Upper	
73	100		
57	19.6	17.4	26.2

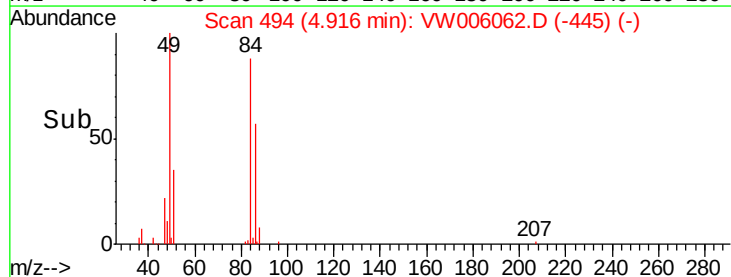
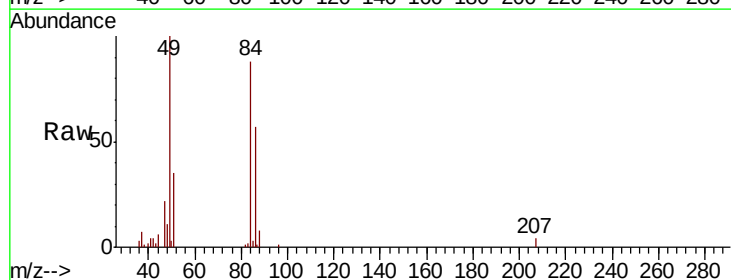
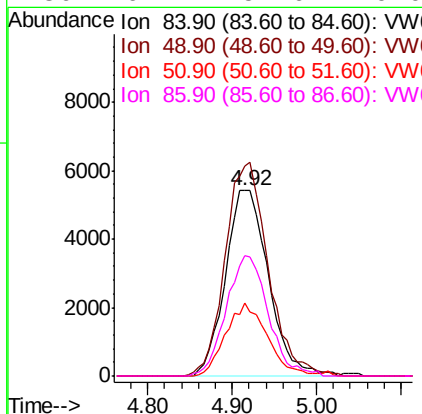
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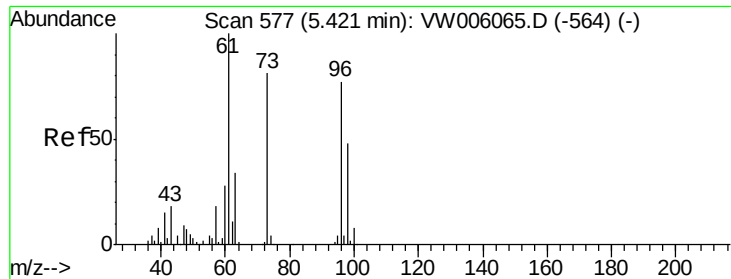
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#20
Methylene Chloride
Concen: 6.788 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	84	Resp	18865
Ion Ratio	Lower	Upper	
84	100		
49	112.2	93.6	140.4
51	39.1	29.0	43.4
86	64.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 4.954 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

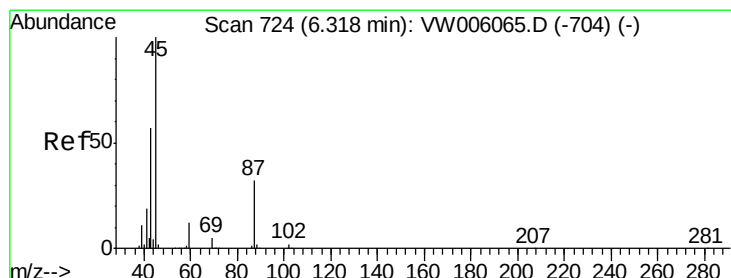
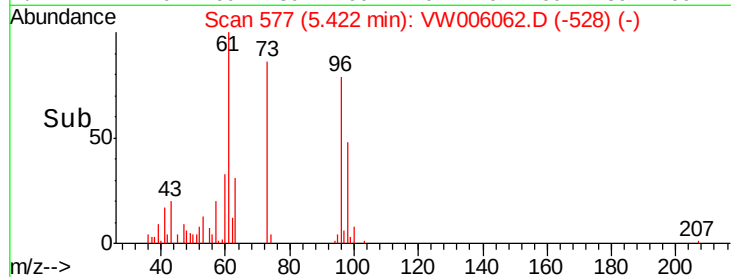
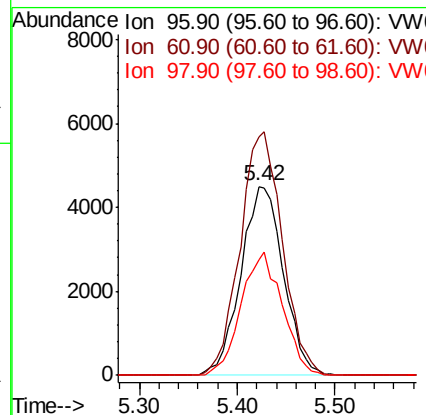
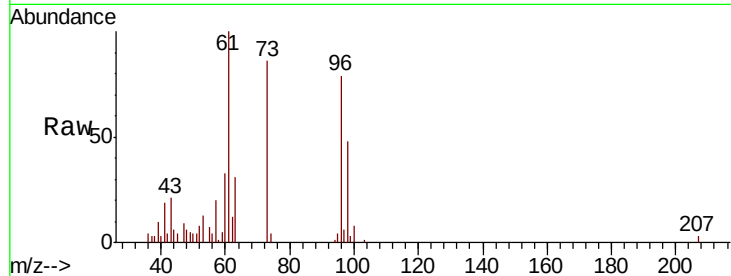
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	13567
Ion	Ratio	Lower	Upper
96	100		
61	126.1	104.5	156.7
98	61.1	50.6	75.8

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#22

Diisopropyl ether

Concen: 4.211 ug/l

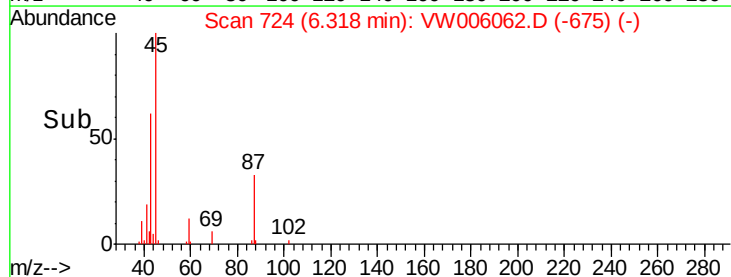
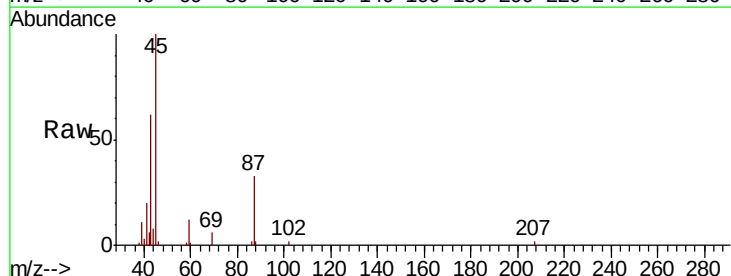
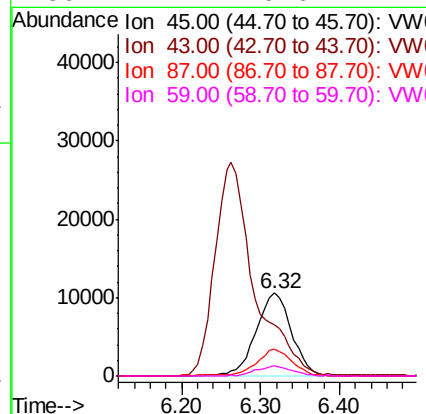
RT: 6.32 min Scan# 724

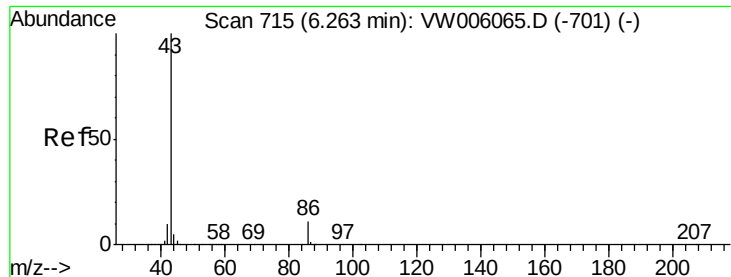
Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion:	45	Resp:	33190
Ion	Ratio	Lower	Upper
45	100		
43	60.3	45.7	68.5
87	32.7	25.9	38.9
59	12.2	9.6	14.4





#23

Vinyl Acetate

Concen: 19.740 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 95014

Ion Ratio Lower Upper

43 100

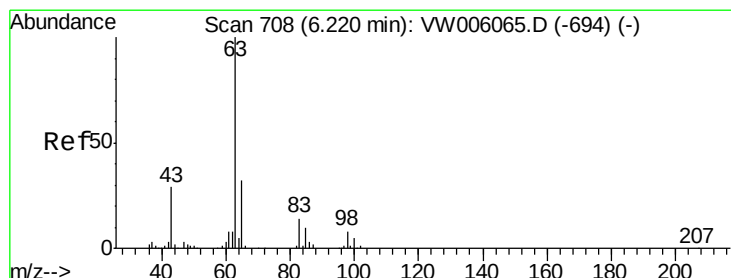
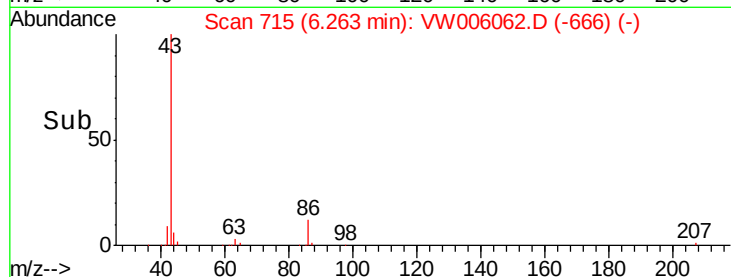
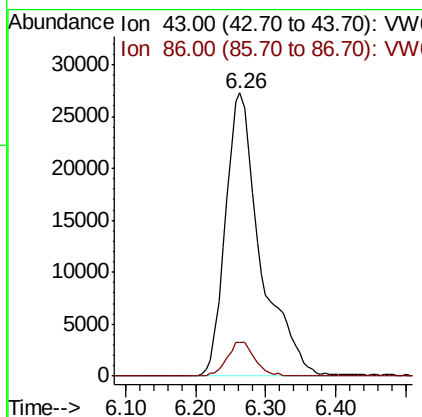
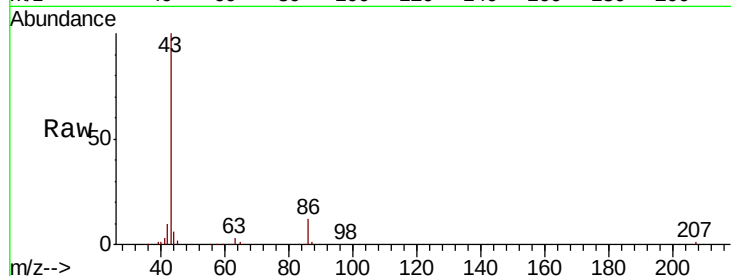
86 12.0 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 4.434 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

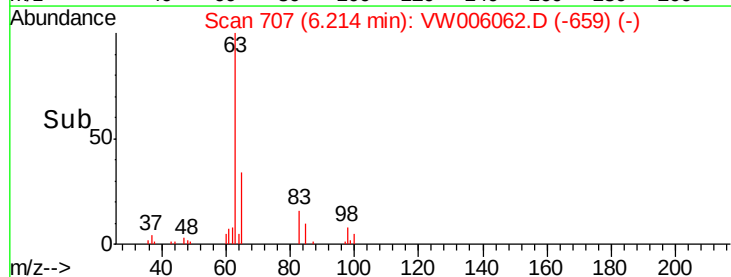
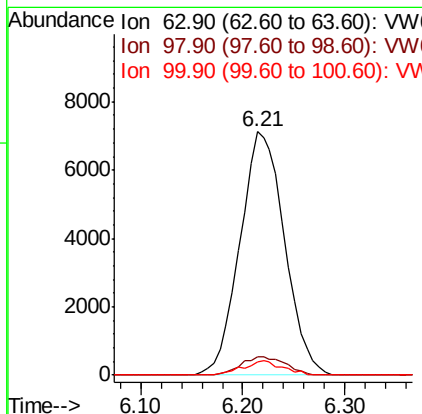
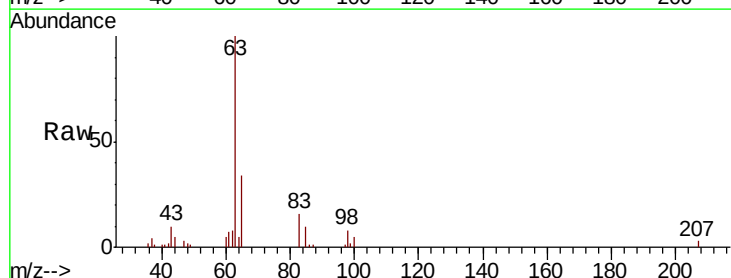
Tgt Ion: 63 Resp: 21555

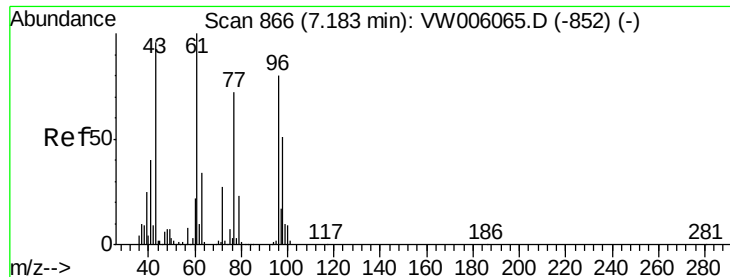
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.2

100 5.3 2.5 7.5





#25

2-Butanone

Concen: 20.203 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 15480

Ion Ratio Lower Upper

43 100

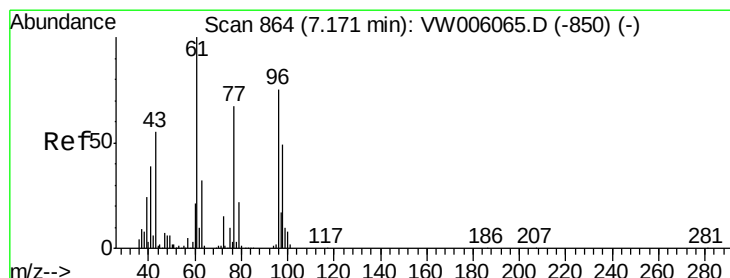
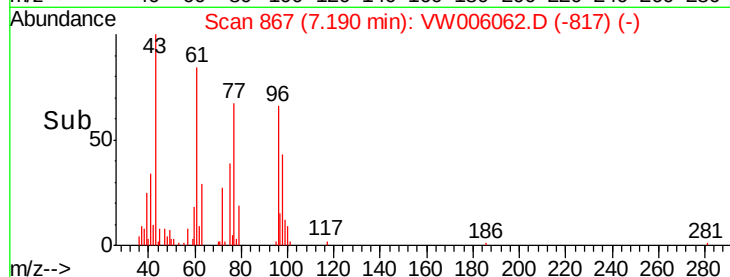
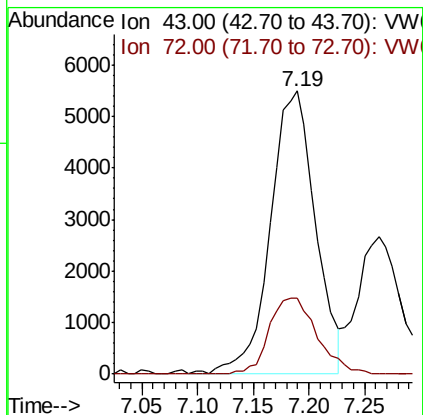
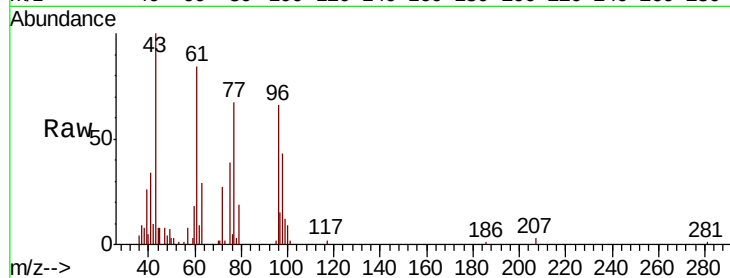
72 26.9 22.8 34.2

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#26

2,2-Dichloropropane

Concen: 4.929 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006062.D

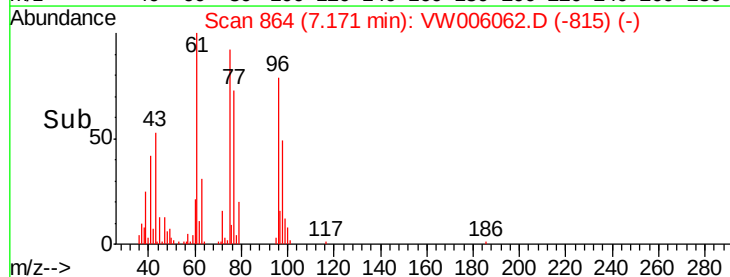
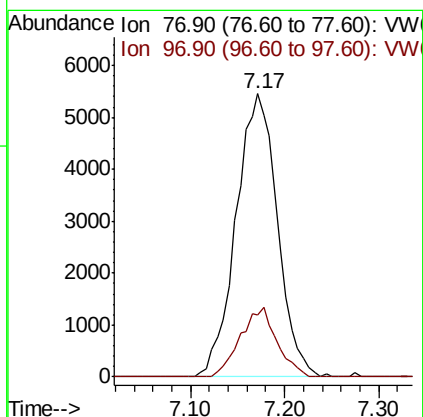
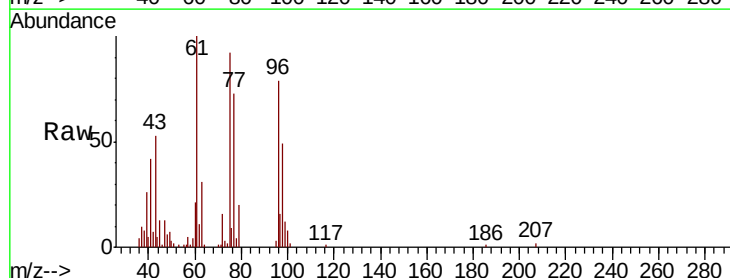
Acq: 15 Oct 2018 15:50

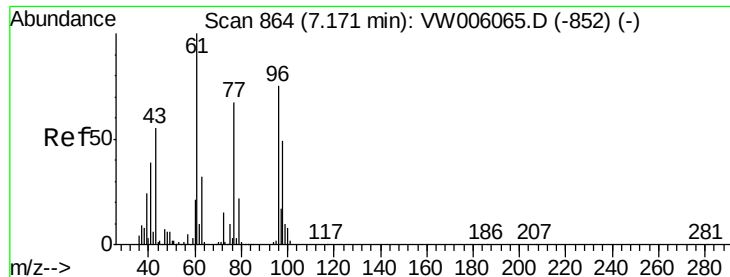
Tgt Ion: 77 Resp: 16760

Ion Ratio Lower Upper

77 100

97 21.6 12.2 36.4





#27

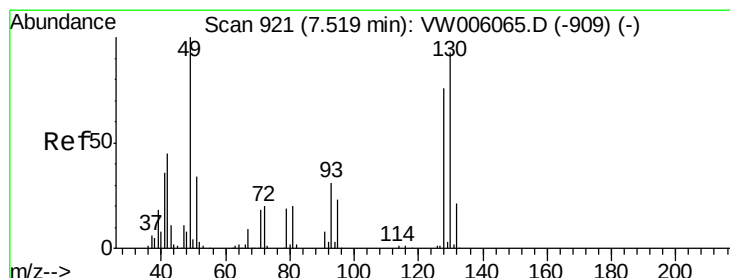
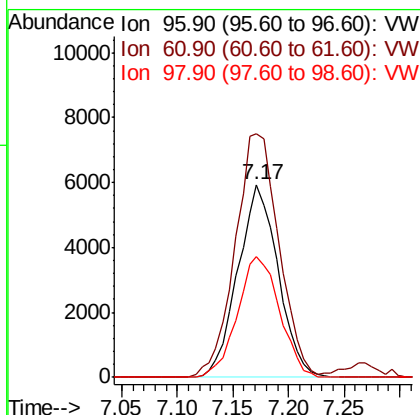
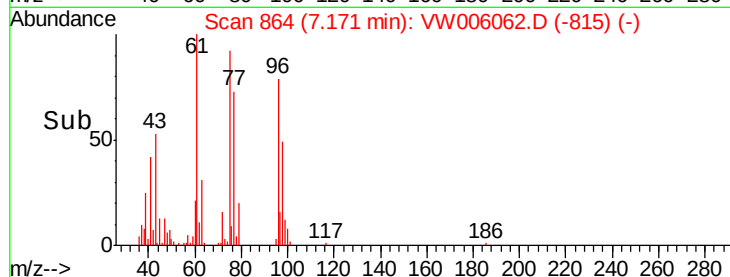
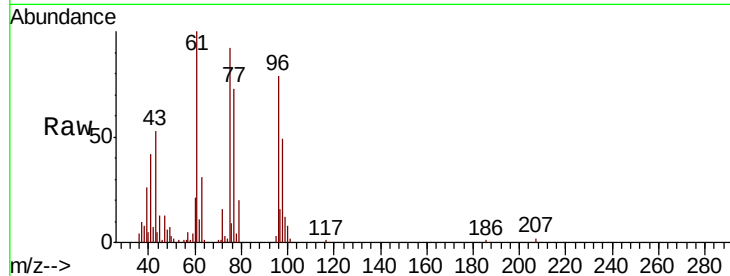
cis-1,2-Dichloroethene
Concen: 4.828 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	267.2
98	65.6	0.0	128.6

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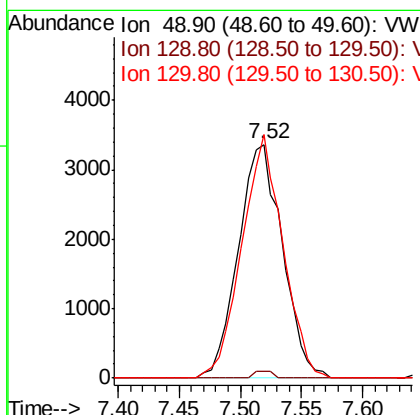
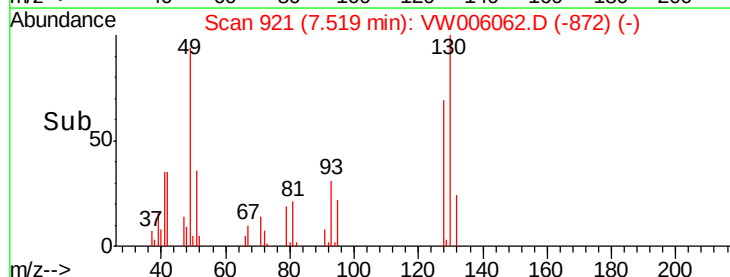
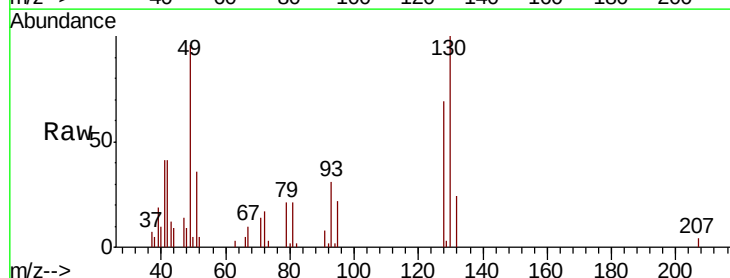
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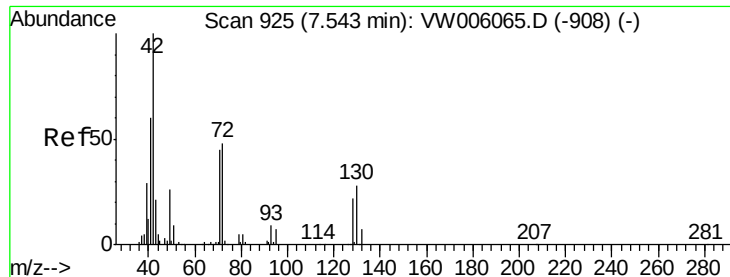


#28

Bromochloromethane
Concen: 4.580 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.0
130	97.1	73.8	110.8





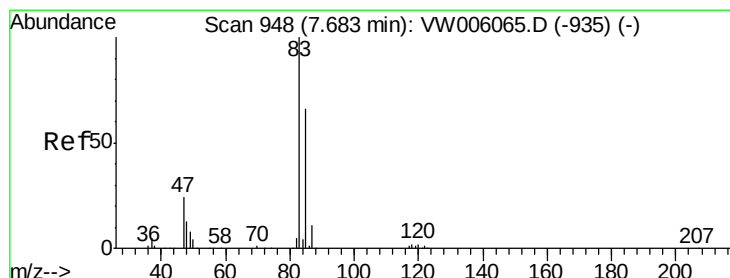
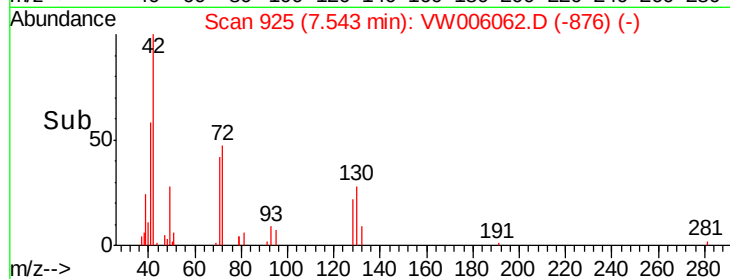
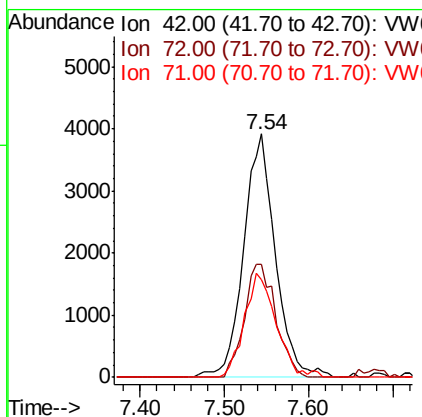
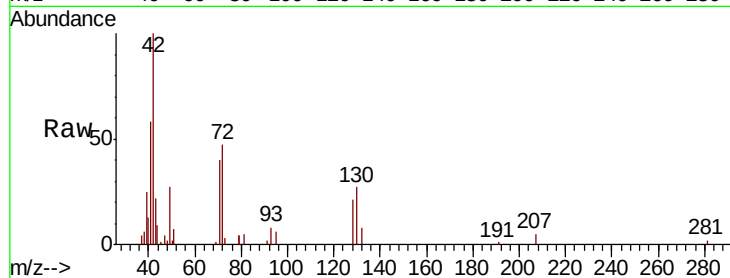
#29
Tetrahydrofuran
Concen: 20.686 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	10027
Ion	Ratio	Lower	Upper
42	100		
72	46.0	38.0	57.0
71	42.9	35.3	52.9

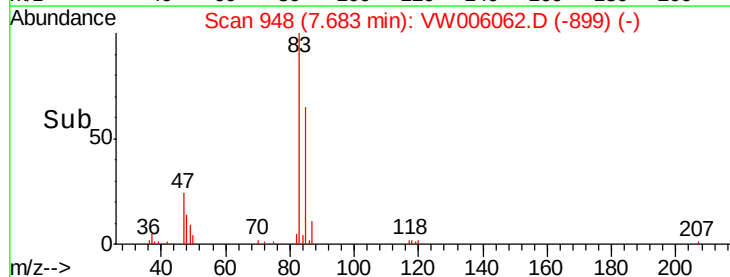
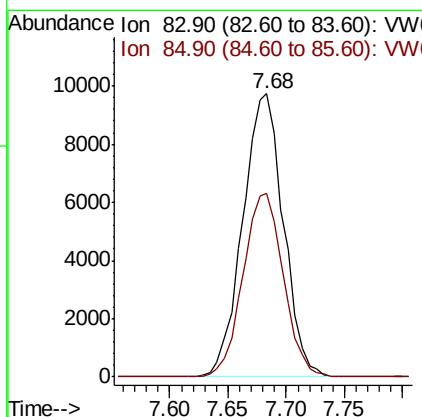
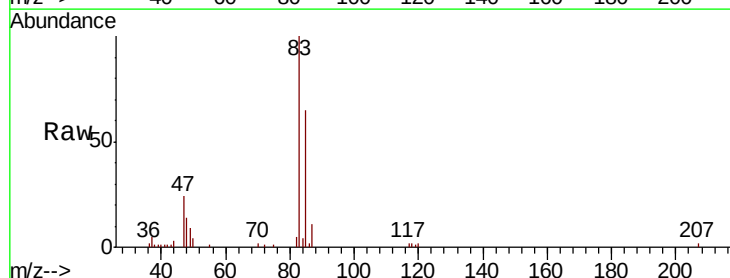
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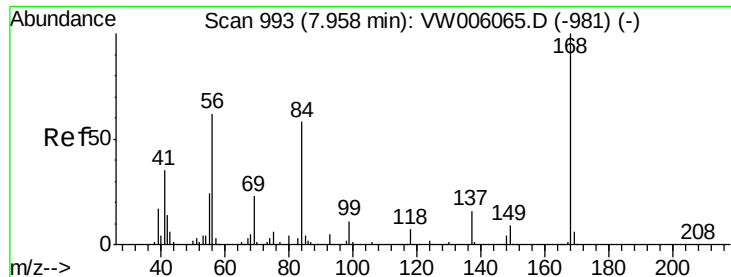
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#30
Chloroform
Concen: 4.705 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion:	83	Resp:	23648
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0





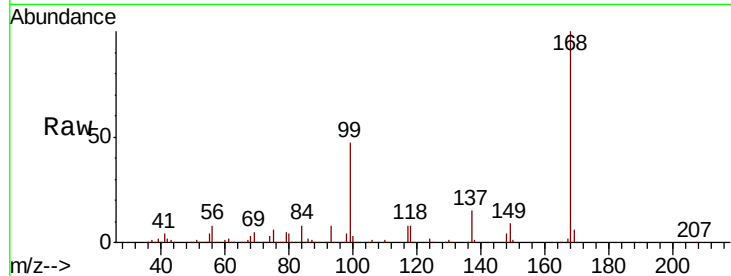
#31
Cyclohexane
Concen: 5.427 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	63.5	29.4	44.0#
84	98.2	74.0	111.0

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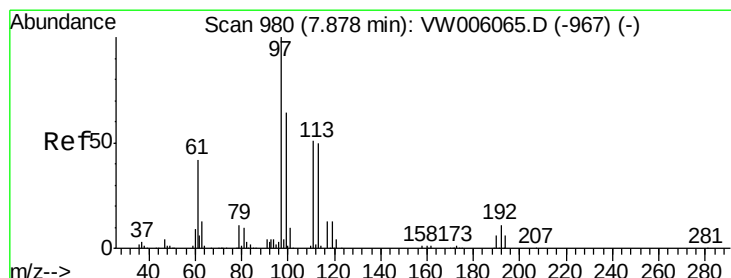
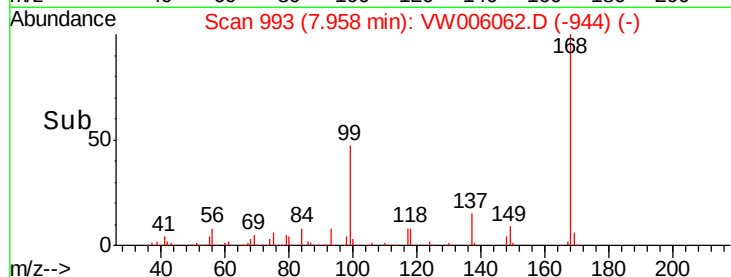
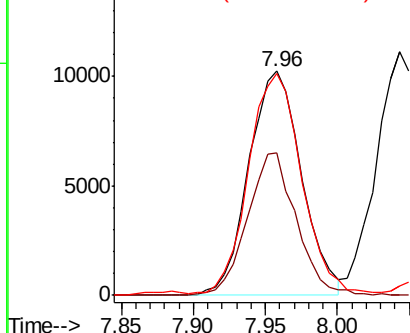


Abundance

Ion 56.00 (55.70 to 56.70): VW

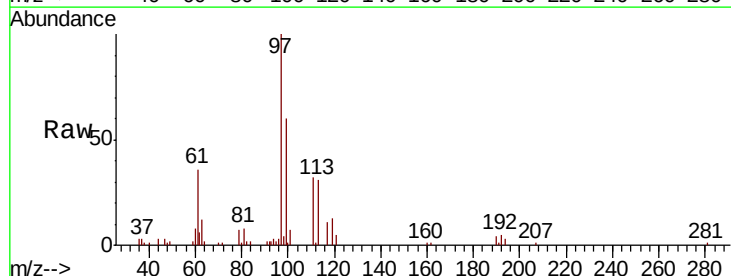
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 4.844 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.3	50.9	76.3
61	41.1	33.7	50.5

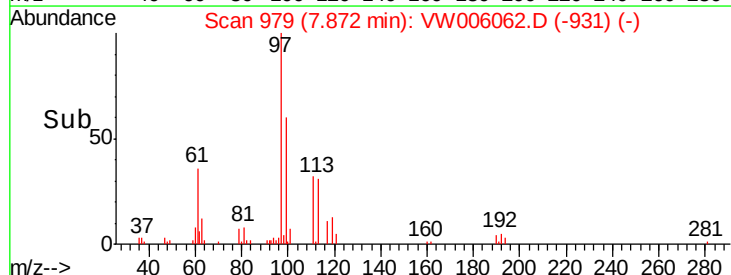
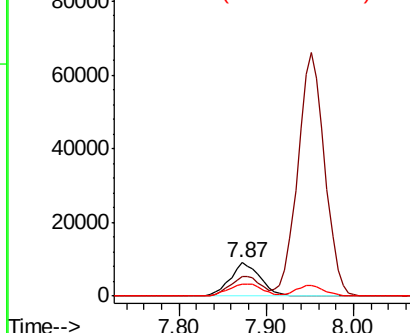


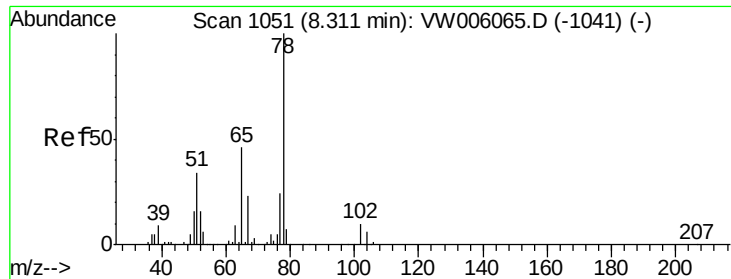
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





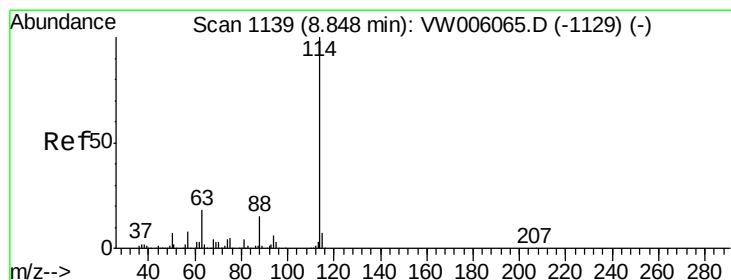
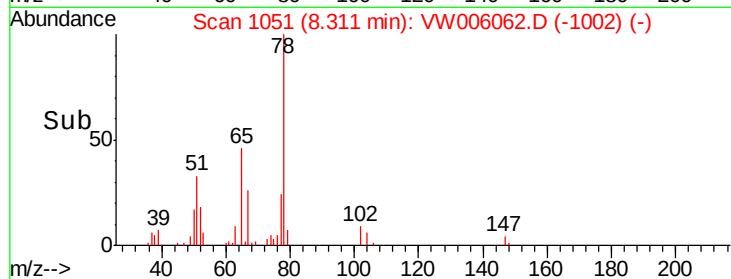
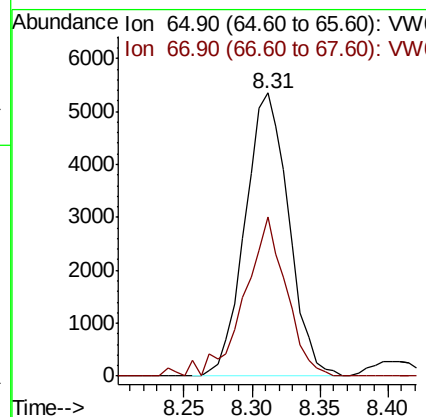
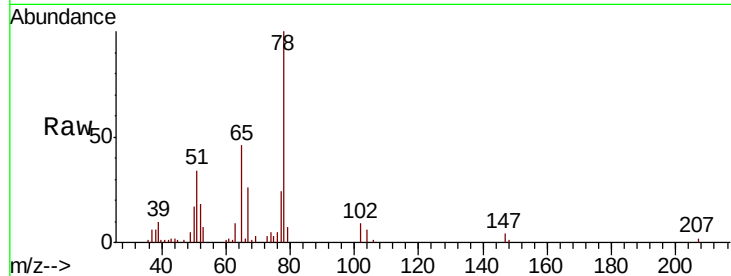
#33
 1,2-Dichloroethane-d4
 Concen: 4.378 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	11979		
67	54.0	0.0	101.0	

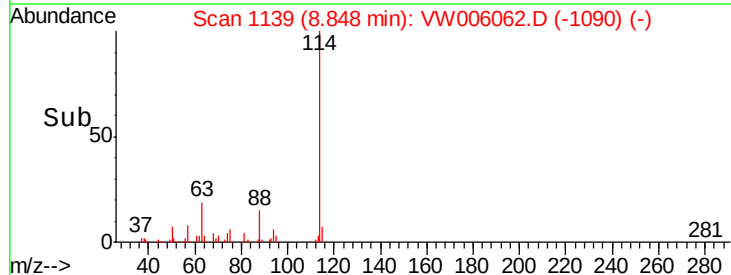
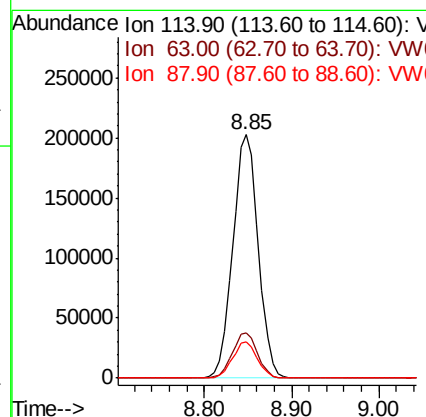
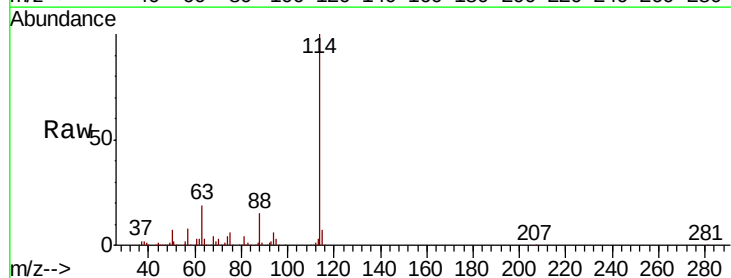
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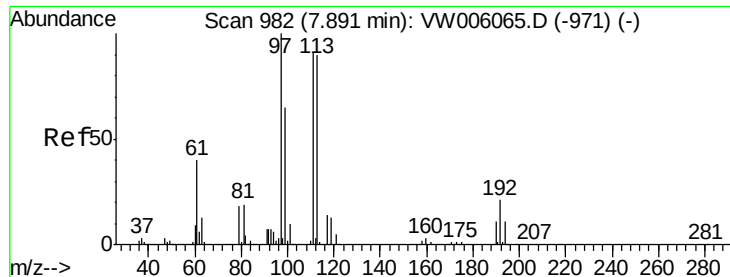
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	407208		
63	18.7	0.0	36.8	
88	14.7	0.0	29.0	





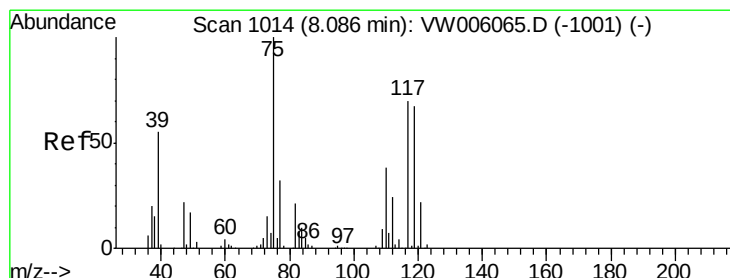
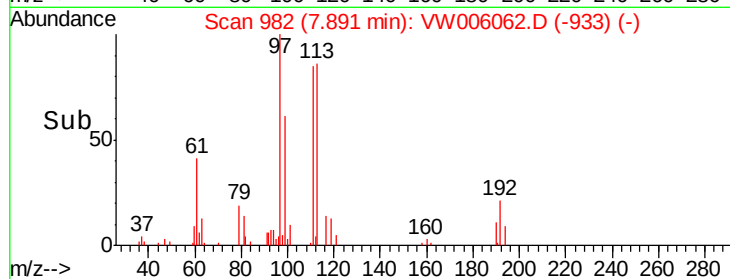
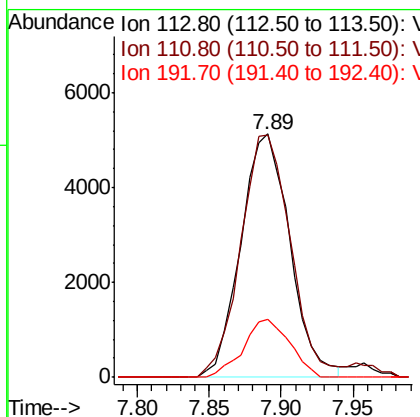
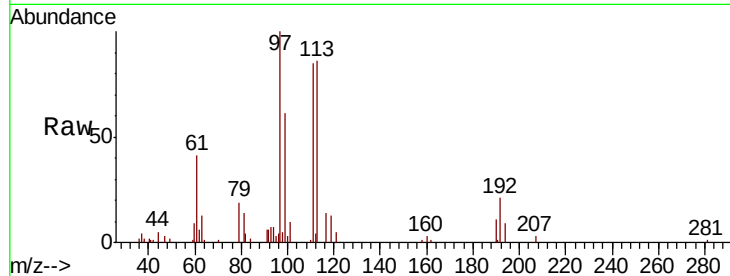
#35
 Dibromofluoromethane
 Concen: 4.714 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.4	122.0
192	22.5	18.7	28.1

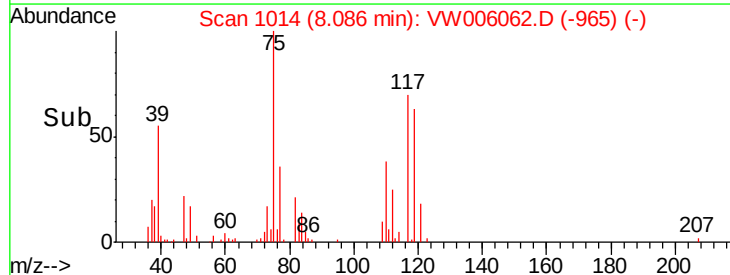
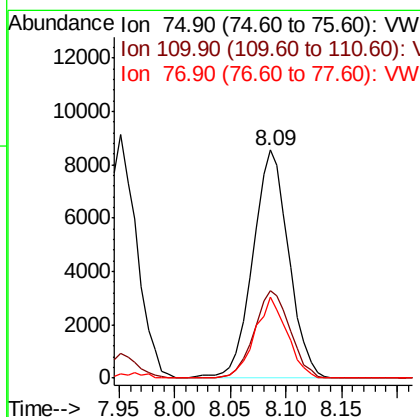
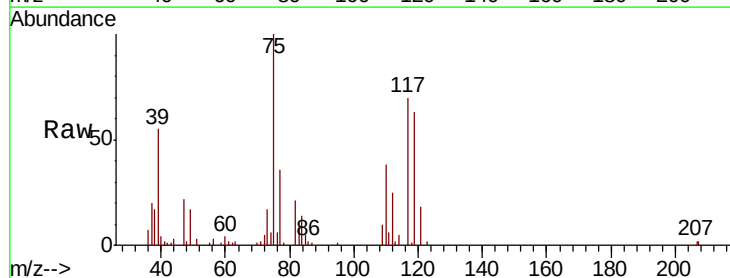
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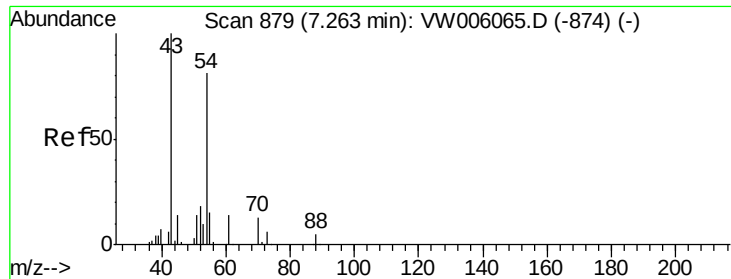
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#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.1	57.1
77	32.0	25.0	37.4





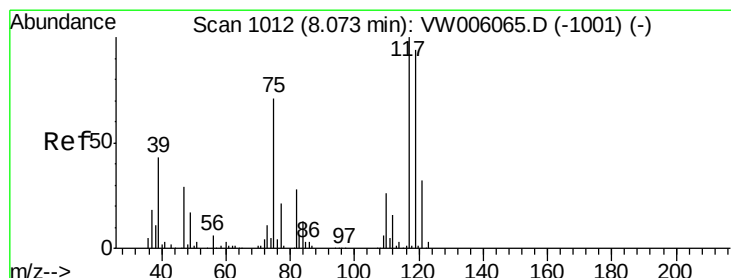
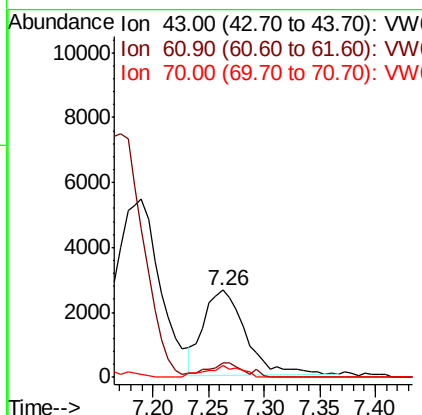
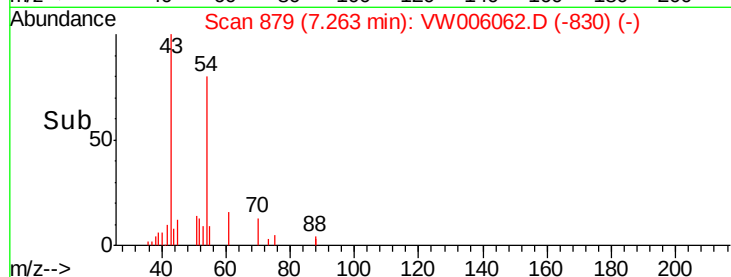
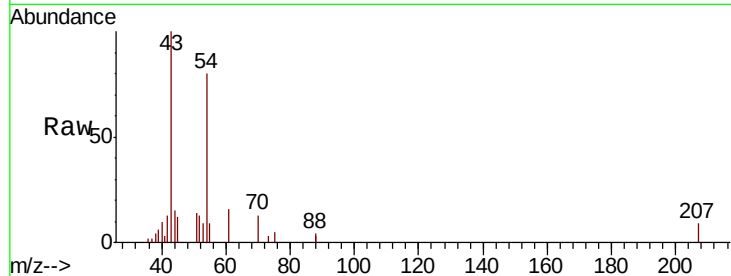
#37
Ethyl Acetate
Concen: 4.309 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	11.1	9.2	13.8

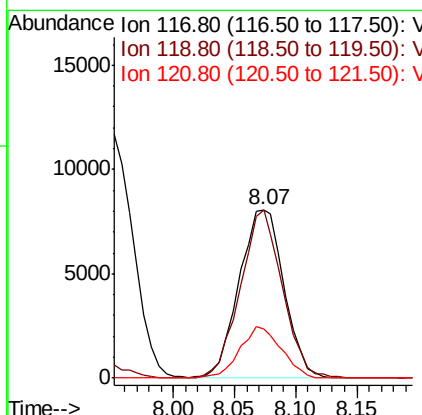
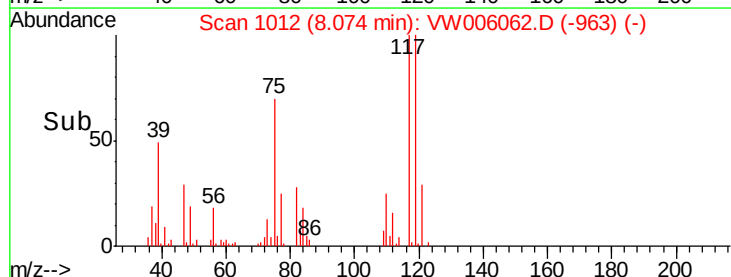
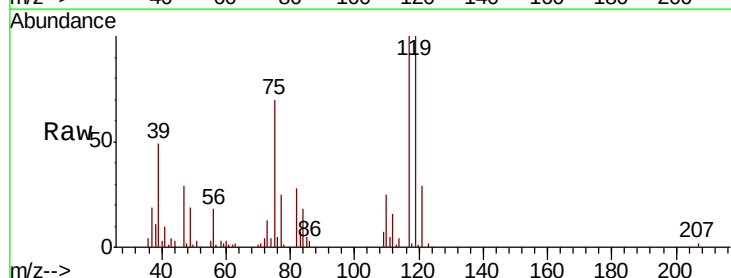
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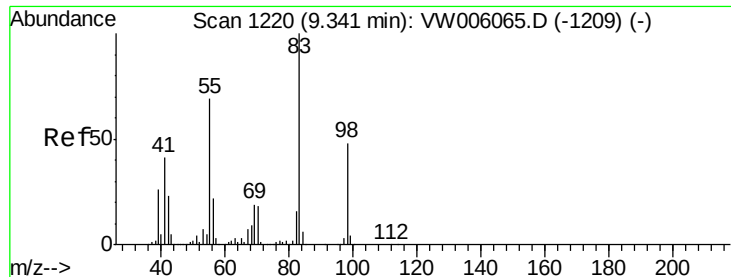
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#38
Carbon Tetrachloride
Concen: 4.953 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	75.2	112.8
121	29.2	25.3	37.9





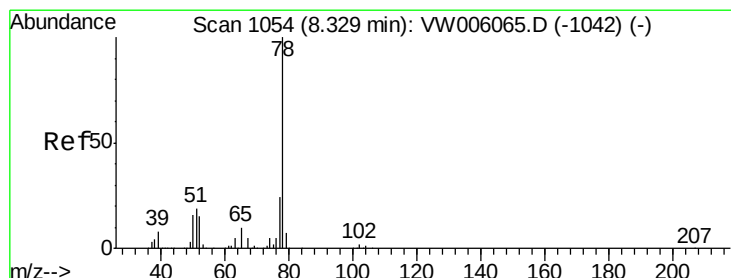
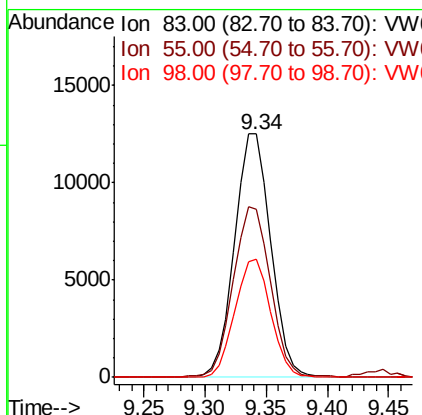
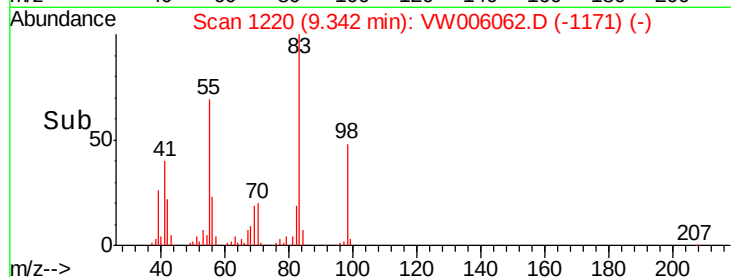
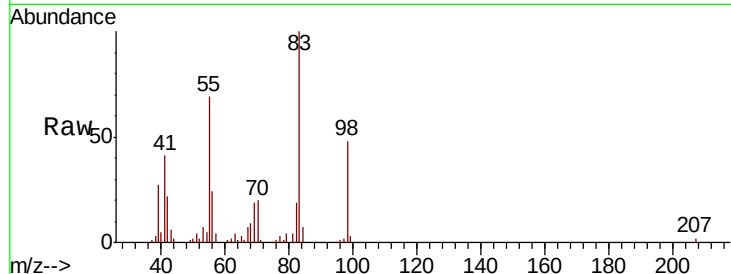
#39
Methylvlcyclohexane
Concen: 5.072 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	55.0	82.6
98	48.4	38.6	57.8

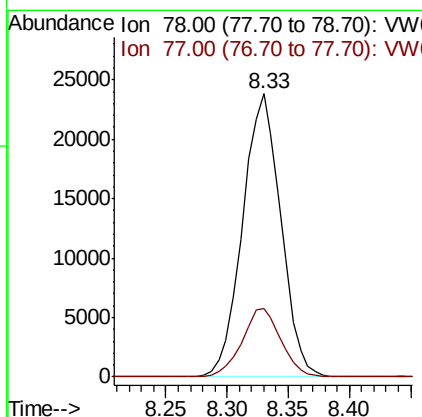
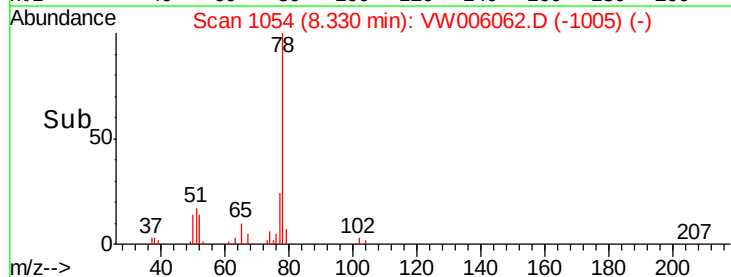
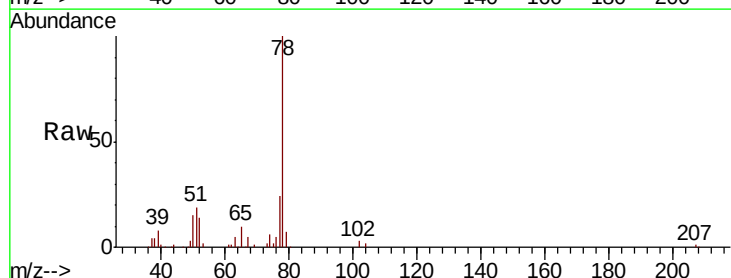
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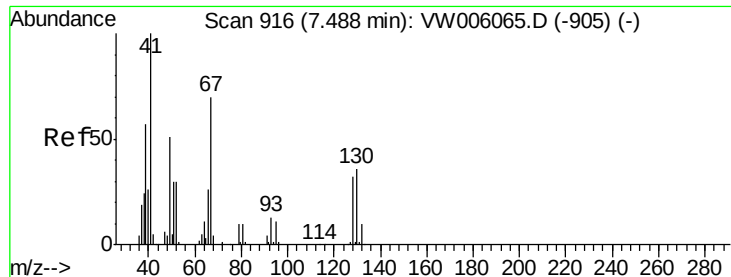
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#40
Benzene
Concen: 4.908 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





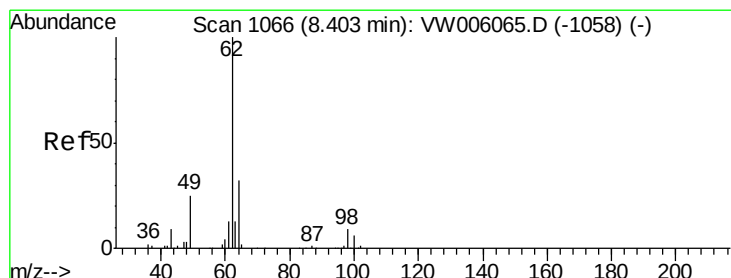
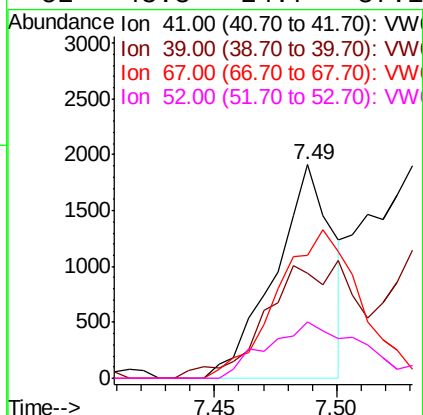
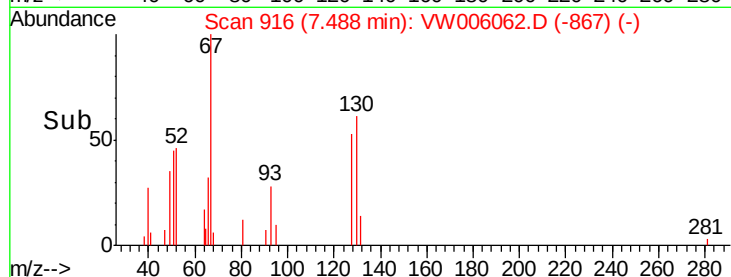
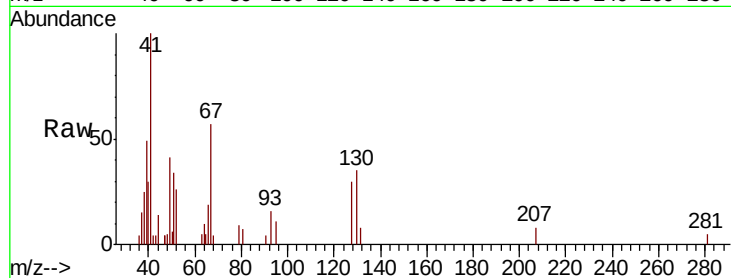
#41
Methacrylonitrile
Concen: 3.114 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.2	46.2	69.4#
67	100.4	57.7	86.5#
52	43.3	24.7	37.1#

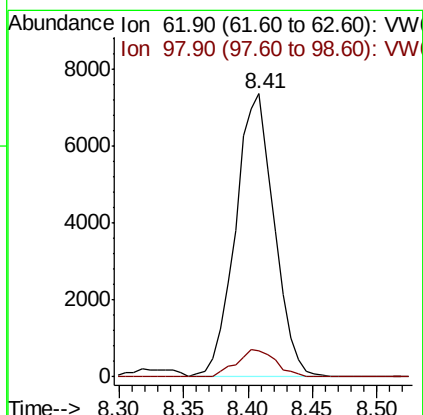
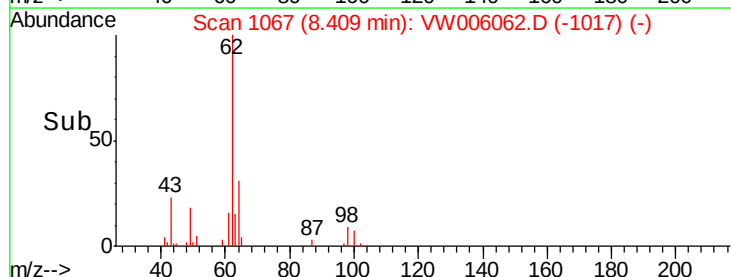
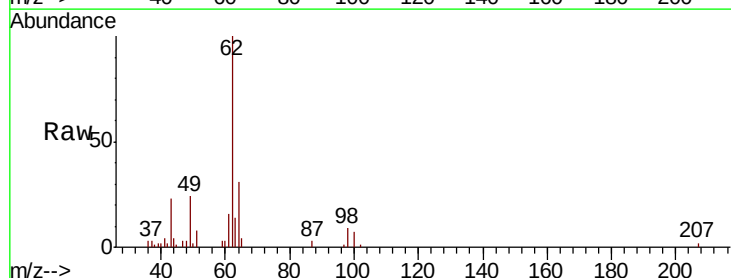
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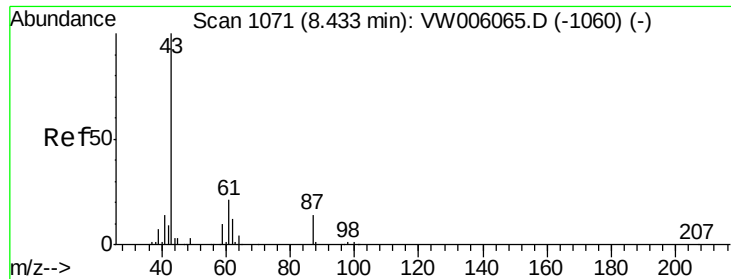
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#42
1,2-Dichloroethane
Concen: 4.802 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





#43

Isopropyl Acetate

Concen: 4.169 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

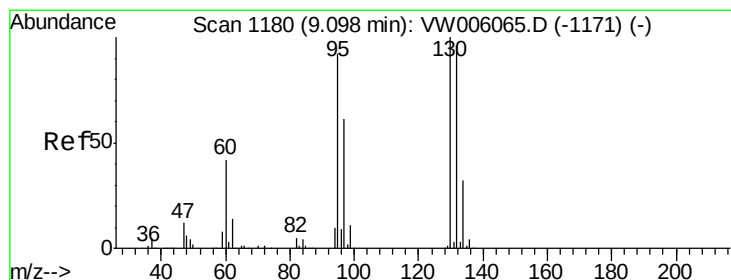
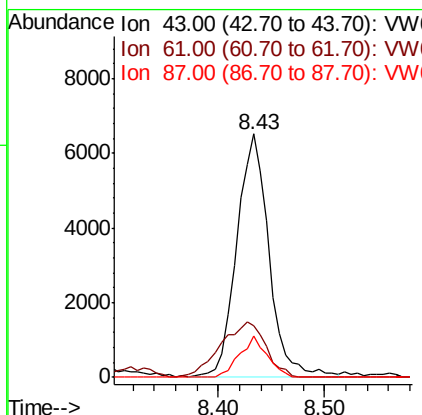
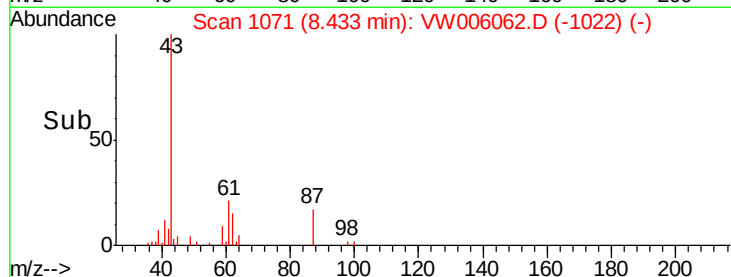
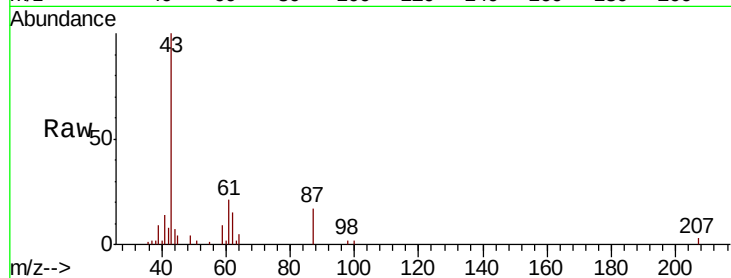
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	13902
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.5	38.3
87	14.5	11.7	17.5

Manual Integrations
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#44

Trichloroethene

Concen: 5.157 ug/l

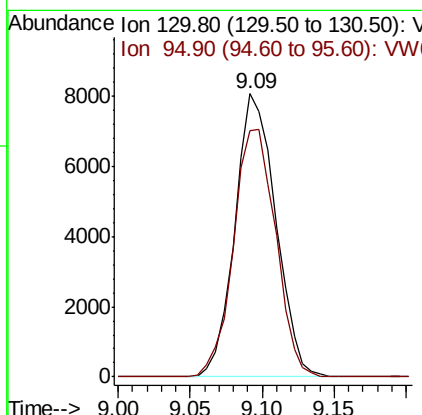
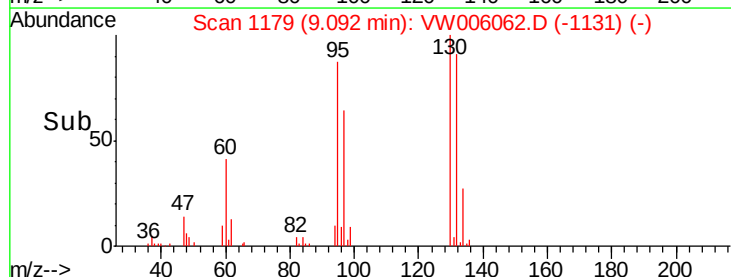
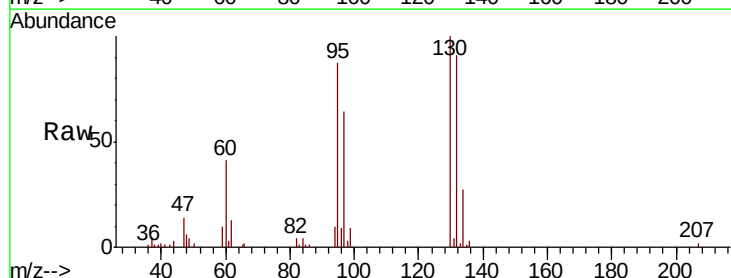
RT: 9.09 min Scan# 1179

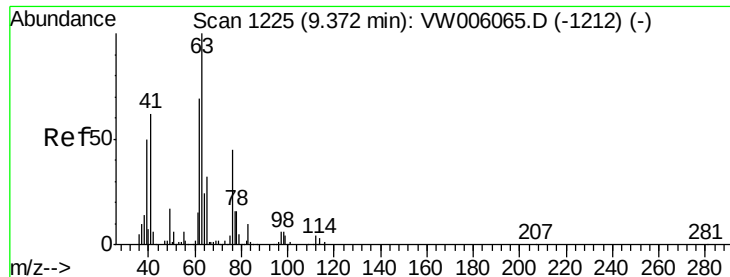
Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion:	130	Resp:	15879
Ion	Ratio	Lower	Upper
130	100		
95	87.2	0.0	183.2





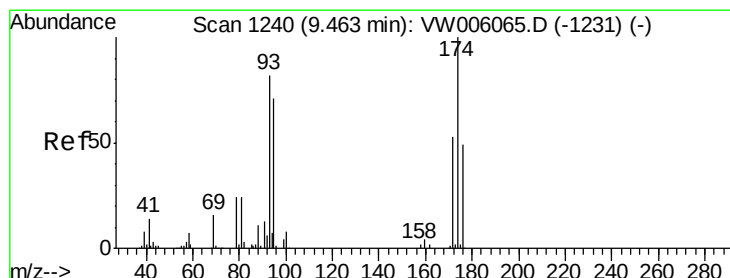
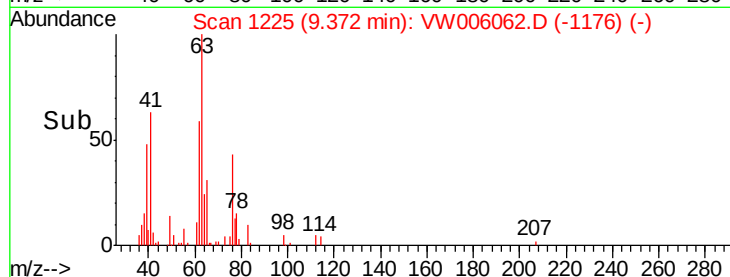
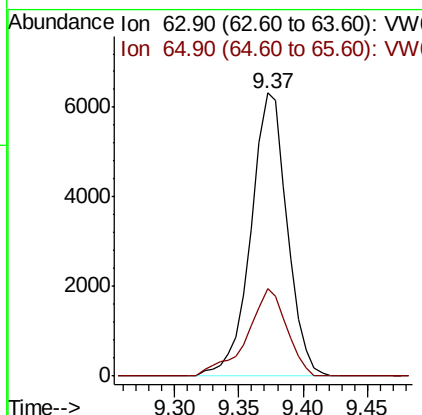
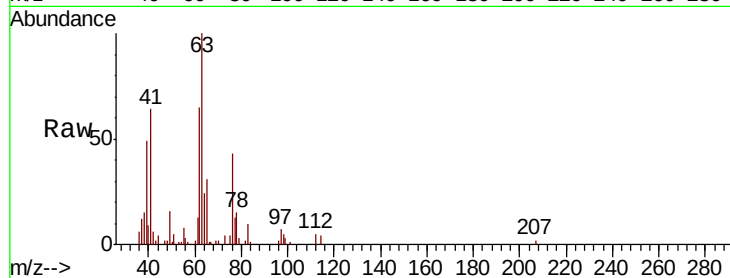
#45
 1,2-Dichloropropane
 Concen: 4.679 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.4	38.0

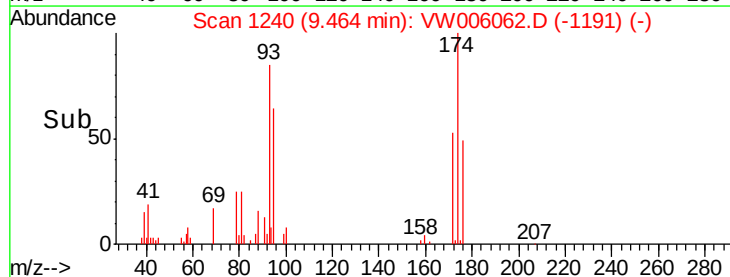
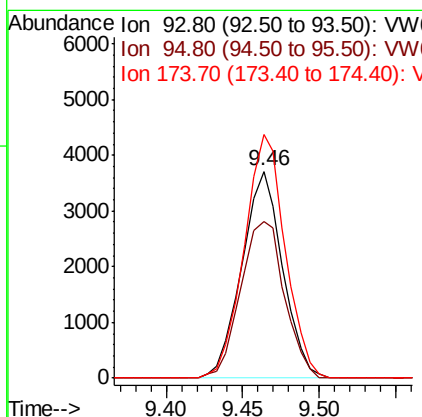
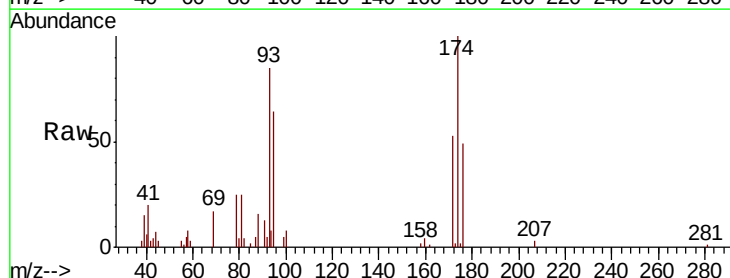
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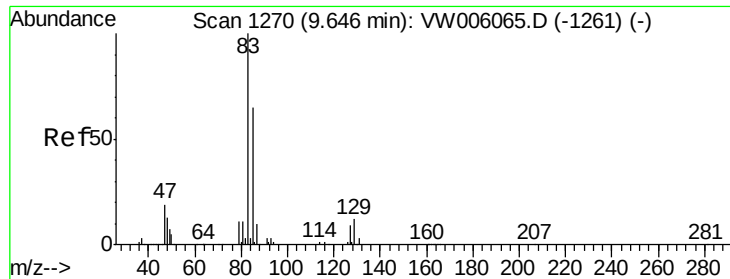
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#46
 Dibromomethane
 Concen: 4.716 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	67.7	101.5
174	118.5	93.7	140.5





#47

Bromodichloromethane

Concen: 4.474 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

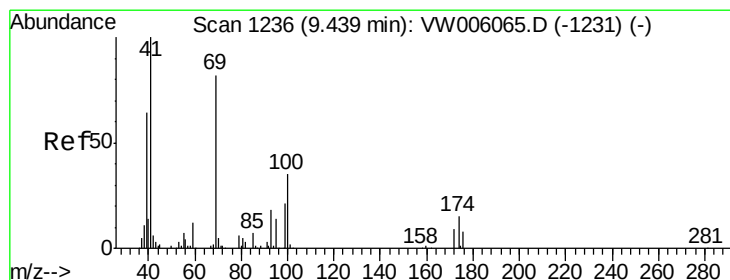
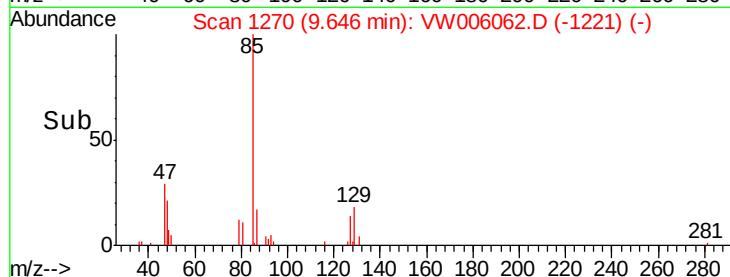
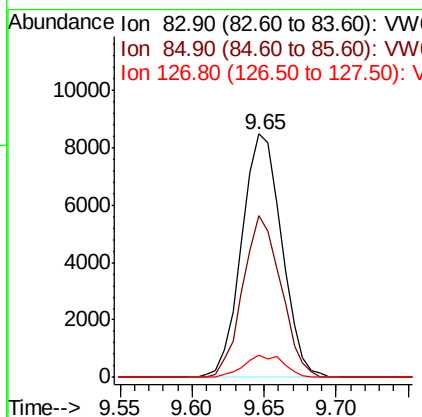
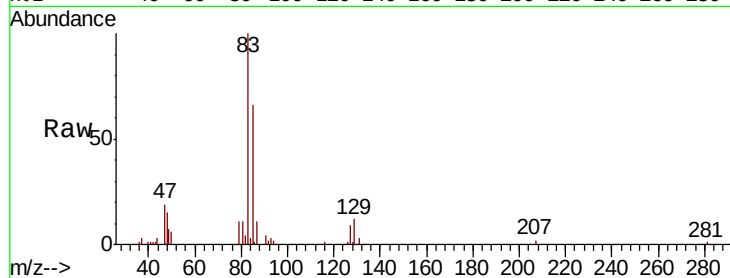
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16303
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.8
127	9.4	6.9	10.3

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#48

Methyl methacrylate

Concen: 4.053 ug/l

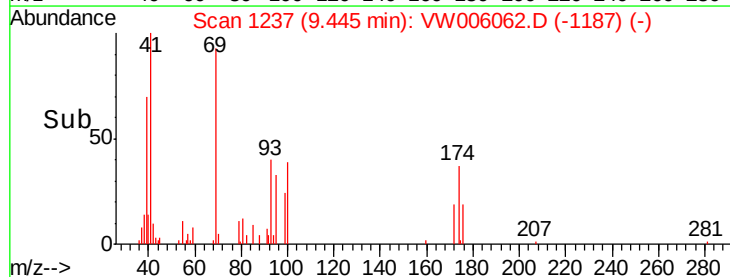
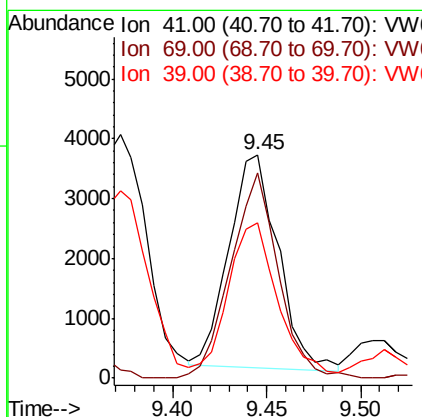
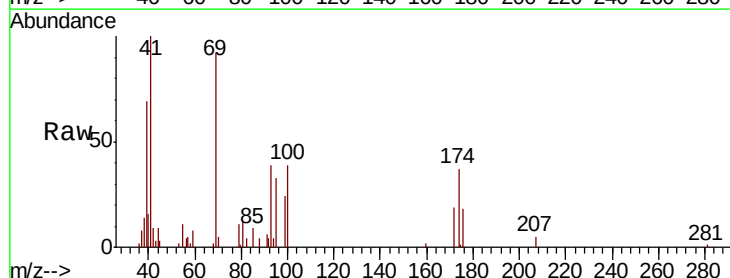
RT: 9.45 min Scan# 1237

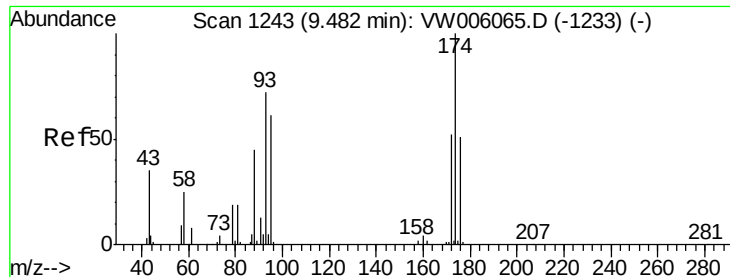
Delta R.T. 0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion:	41	Resp:	6455
Ion	Ratio	Lower	Upper
41	100		
69	93.1	71.8	107.8
39	68.9	52.5	78.7





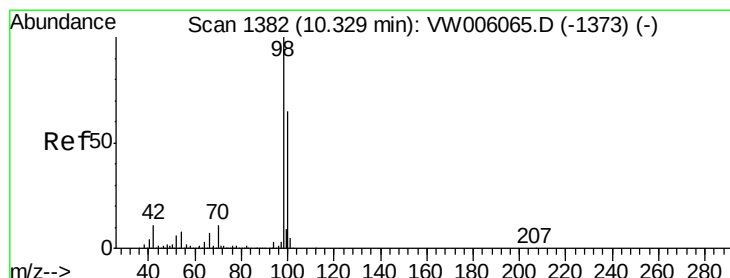
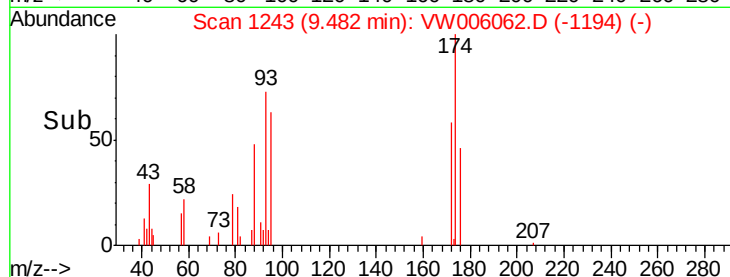
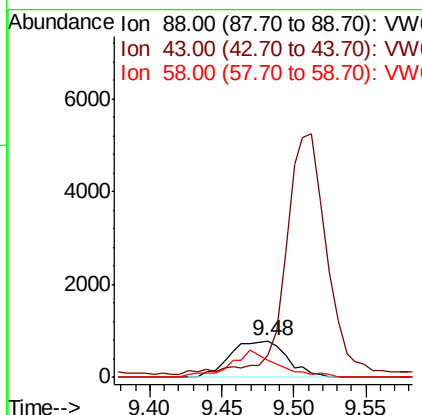
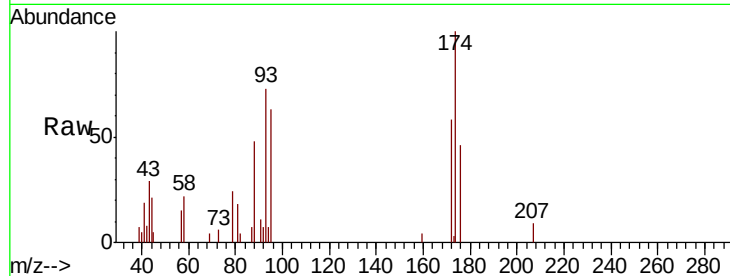
#49
1,4-Dioxane
Concen: 97.438 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	60.5	51.2	76.8

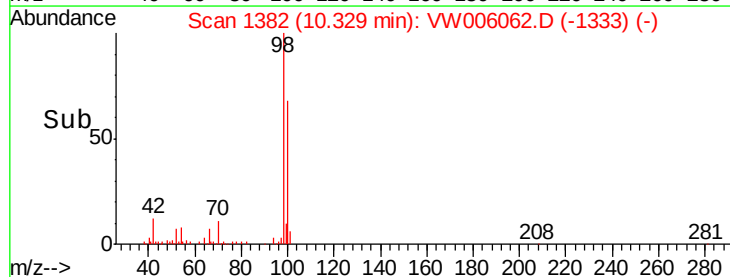
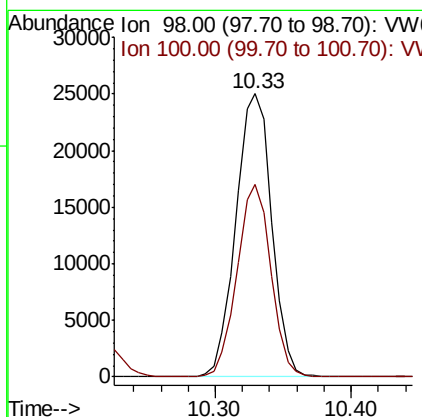
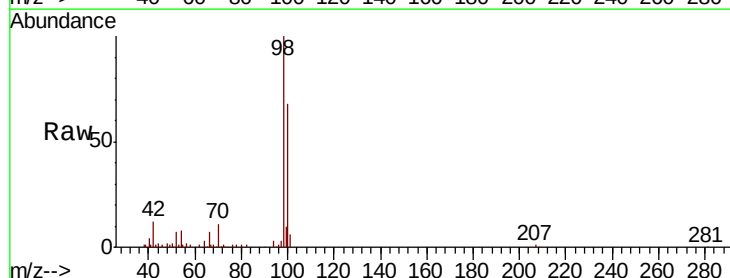
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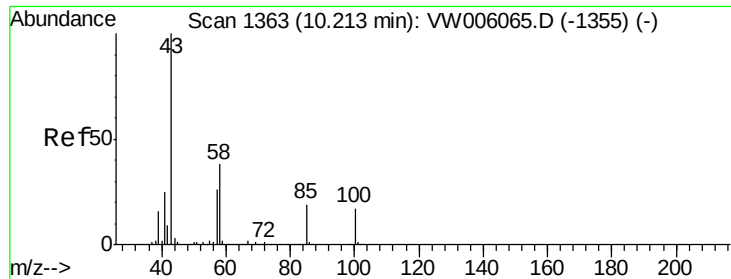
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#50
Toluene-d8
Concen: 4.660 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





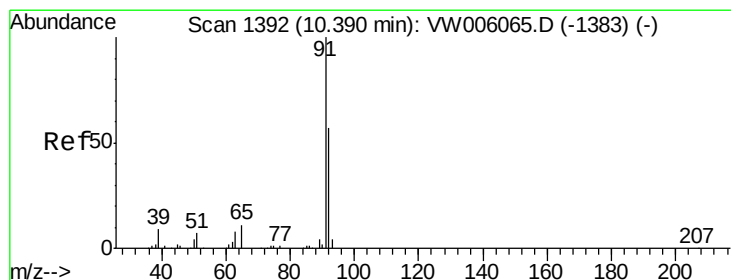
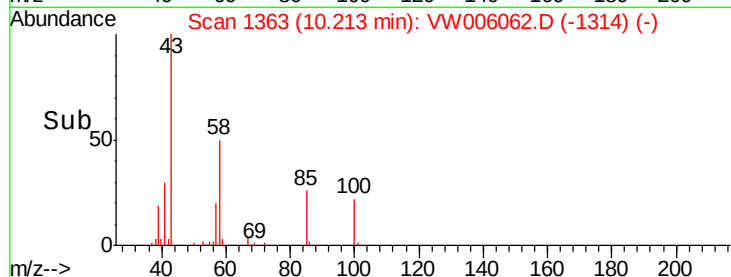
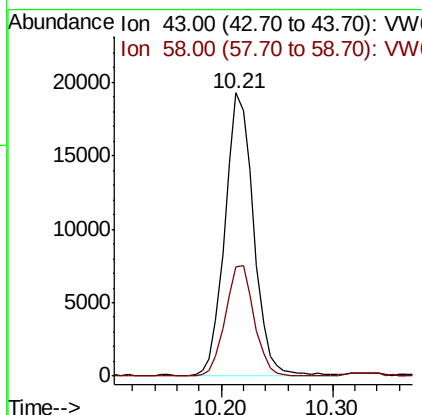
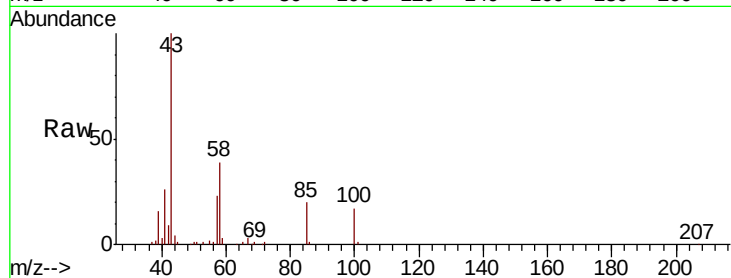
#51
4-Methyl-2-Pentanone
Concen: 21.221 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 34619
Ion Ratio Lower Upper
43 100
58 38.7 31.5 47.3

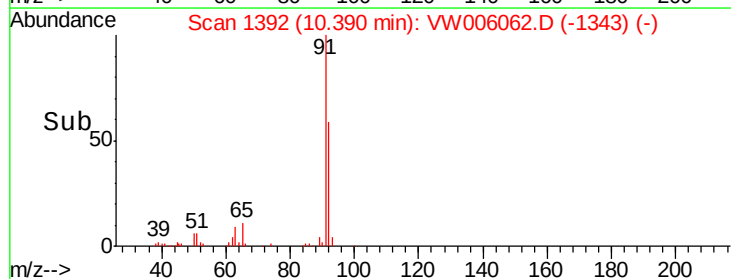
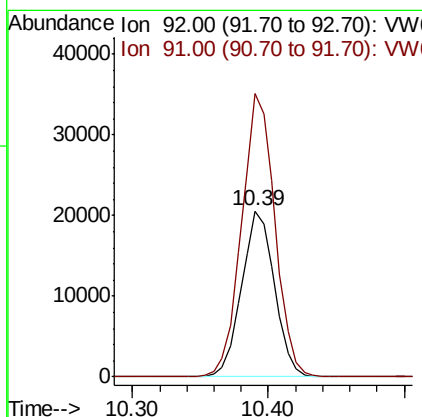
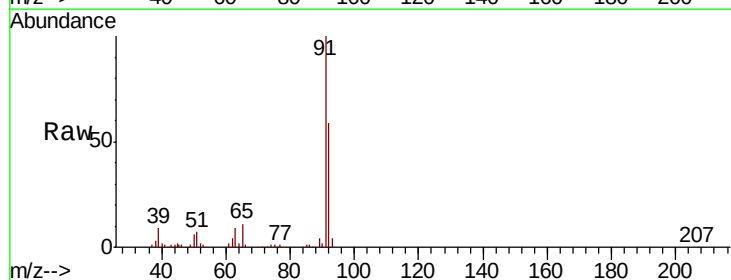
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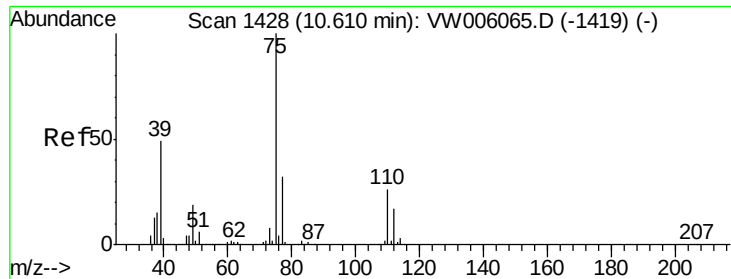
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#52
Toluene
Concen: 4.994 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 92 Resp: 34740
Ion Ratio Lower Upper
92 100
91 172.6 140.0 210.0





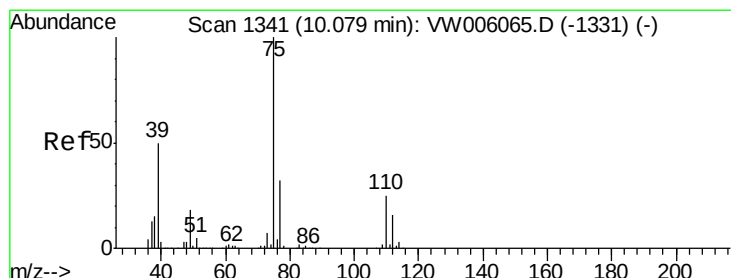
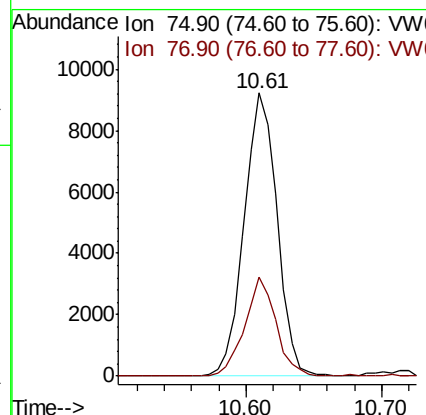
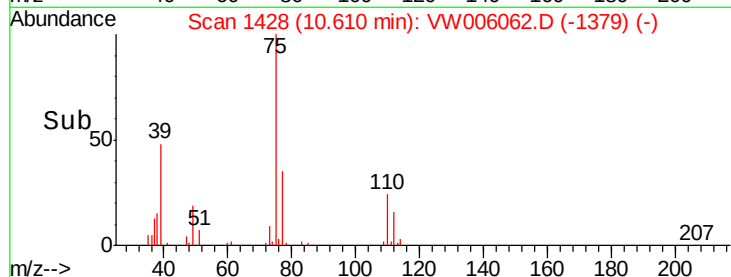
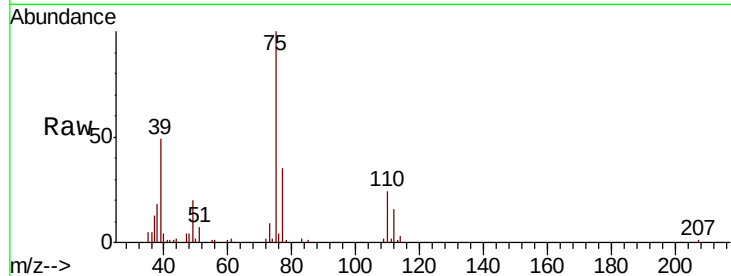
#53
 t-1,3-Dichloropropene
 Concen: 4.146 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.8	25.4	38.2

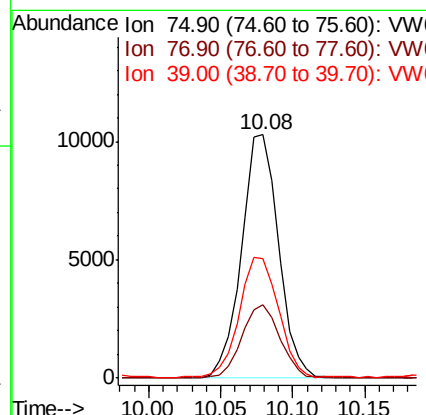
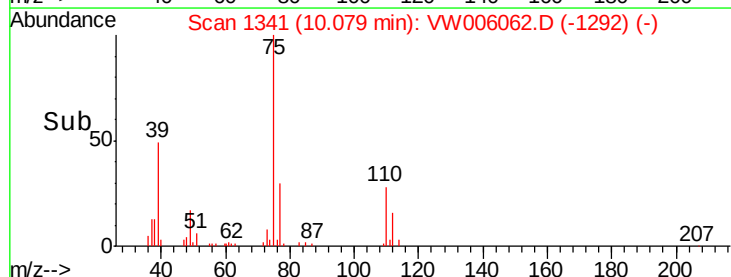
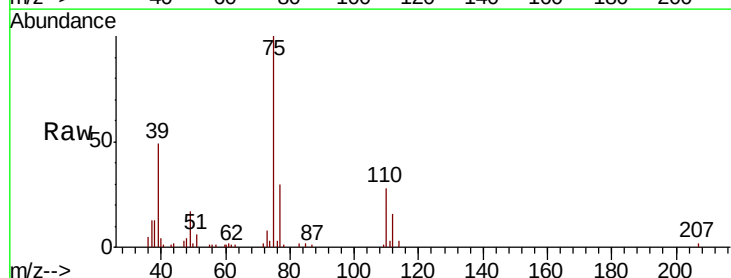
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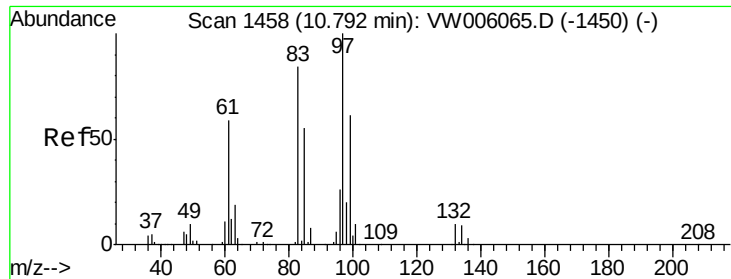
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#54
 cis-1,3-Dichloropropene
 Concen: 4.303 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.2	37.8
39	48.3	39.9	59.9





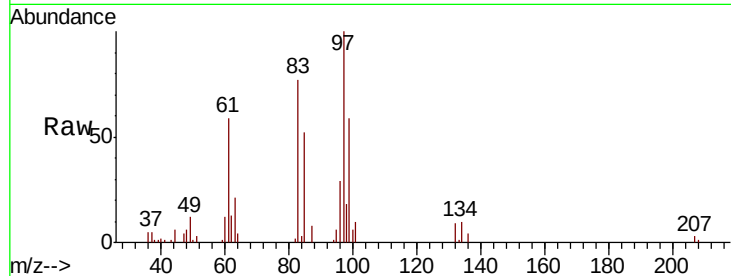
#55
 1,1,2-Trichloroethane
 Concen: 4.800 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

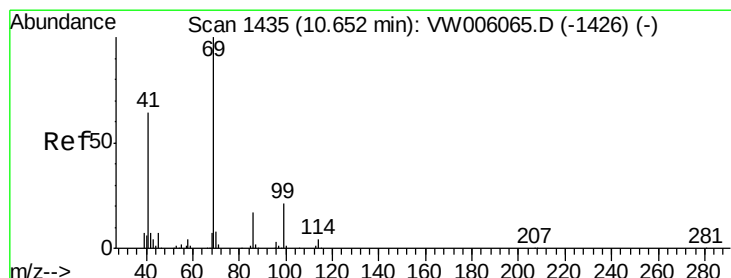
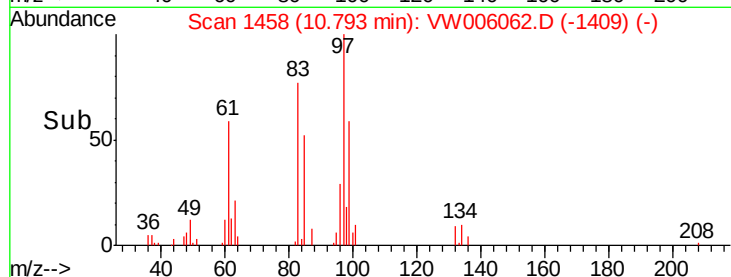
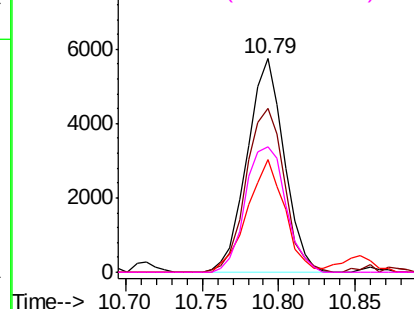
Tot Ion:	97	Resp:	9688
Ion	Ratio	Lower	Upper
97	100		
83	76.8	67.2	100.8
85	52.5	43.7	65.5
99	58.8	48.5	72.7

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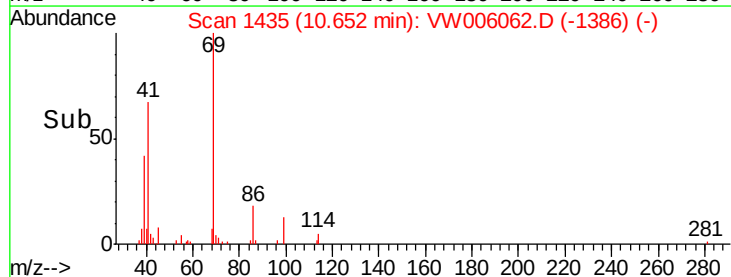
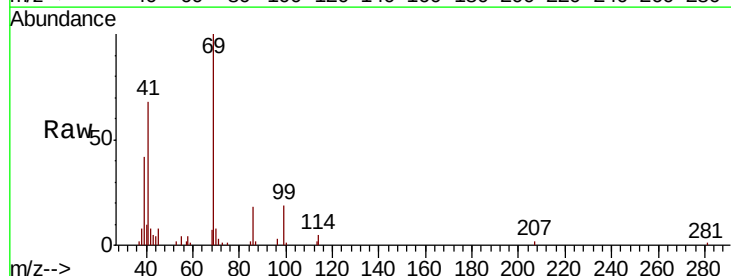
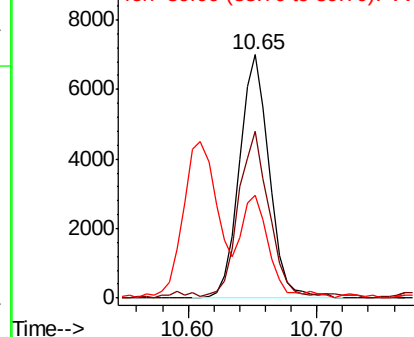
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

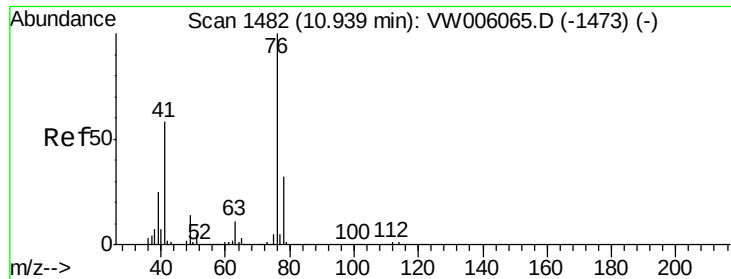


#56
 Ethyl methacrylate
 Concen: 4.182 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion:	69	Resp:	11216
Ion	Ratio	Lower	Upper
69	100		
41	69.2	52.8	79.2
39	39.8	30.6	45.8

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





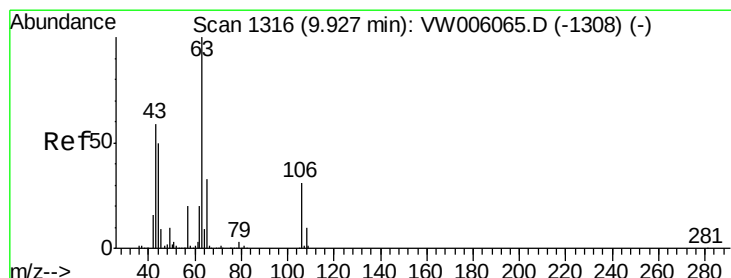
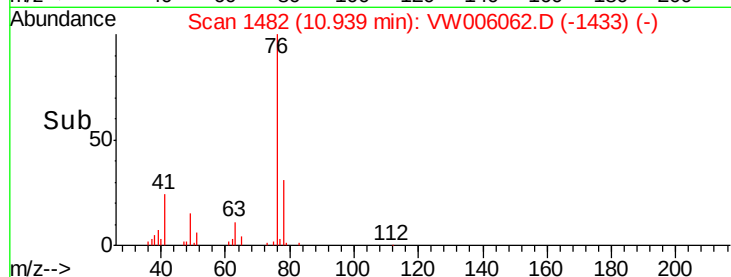
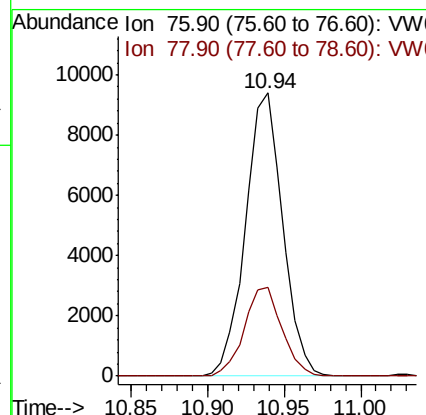
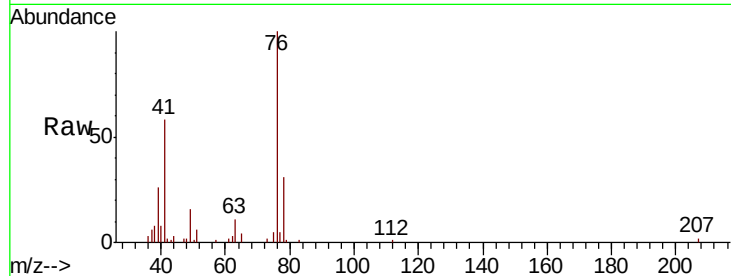
#57
 1,3-Dichloropropane
 Concen: 4.687 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.9	38.9

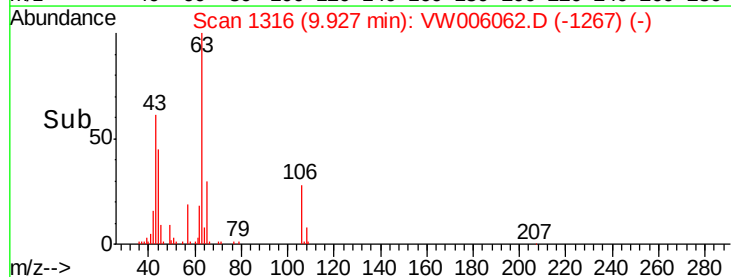
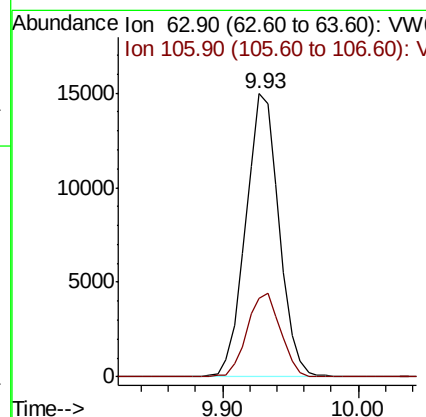
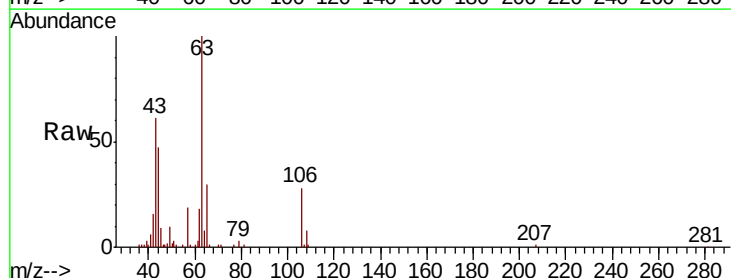
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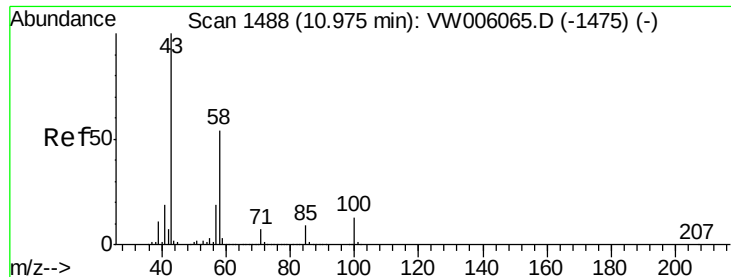
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#58
 2-Chloroethyl Vinyl ether
 Concen: 23.695 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	24.5	36.7





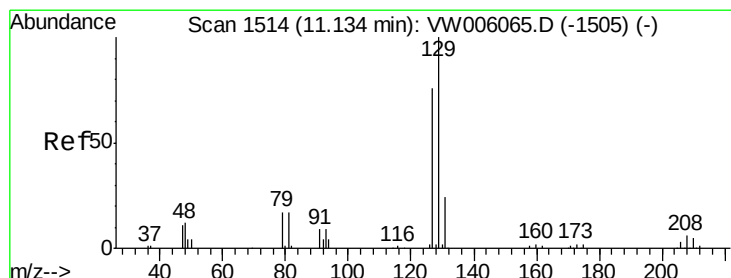
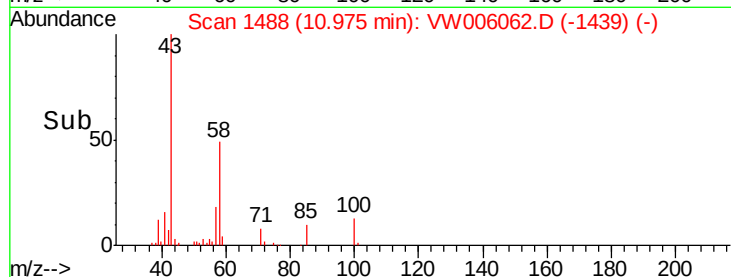
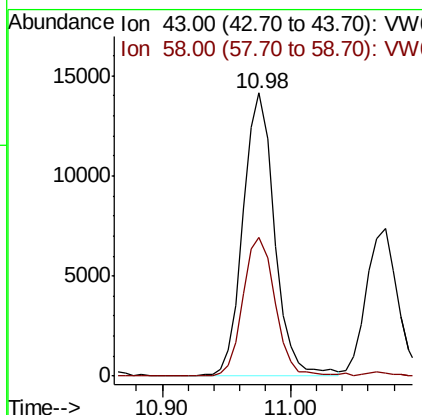
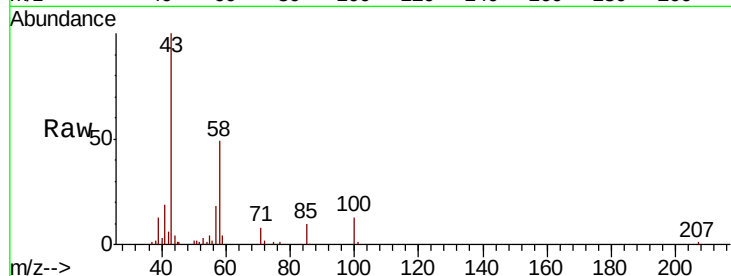
#59
2-Hexanone
Concen: 20.562 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	23922
Ion Ratio	100	Lower	Upper
43	100		
58	49.5	26.9	80.6

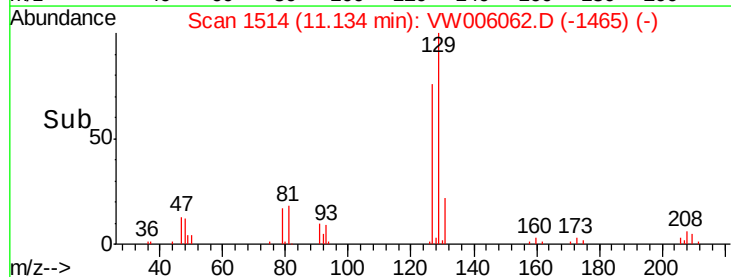
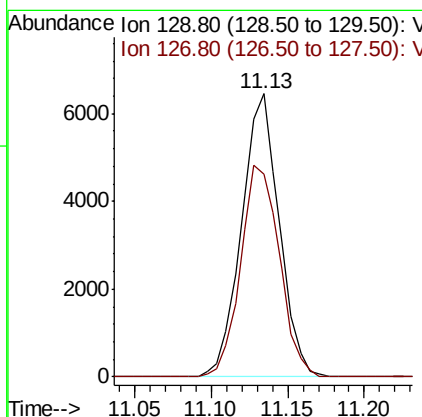
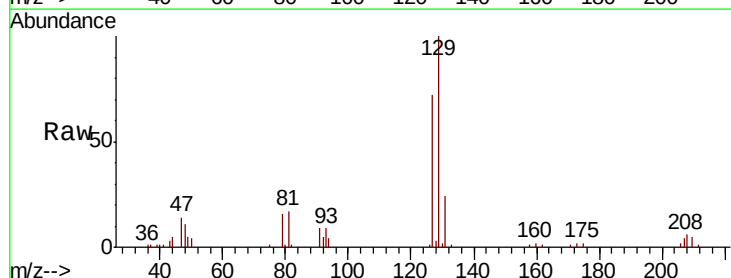
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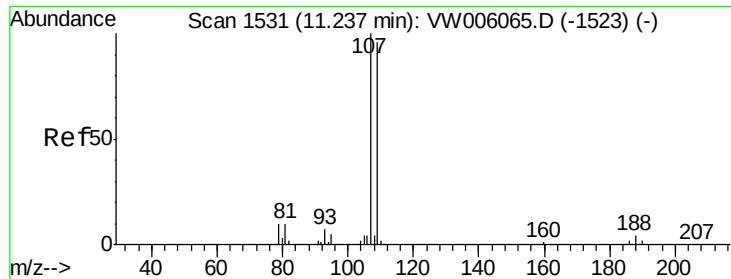
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#60
Dibromochloromethane
Concen: 4.240 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	129	Resp	11000	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.3	38.6	115.7	





#61

1,2-Dibromoethane

Concen: 4.657 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 9400

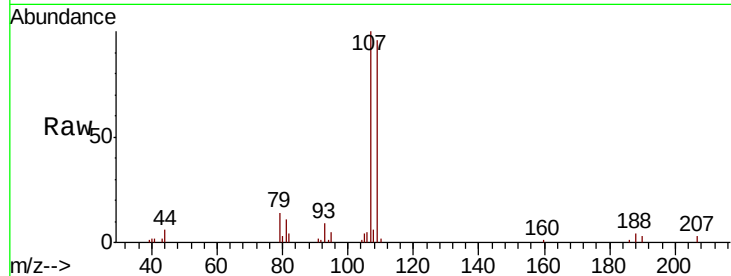
Ion Ratio Lower Upper

107 100

109 94.5 76.3 114.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

6000

5000

4000

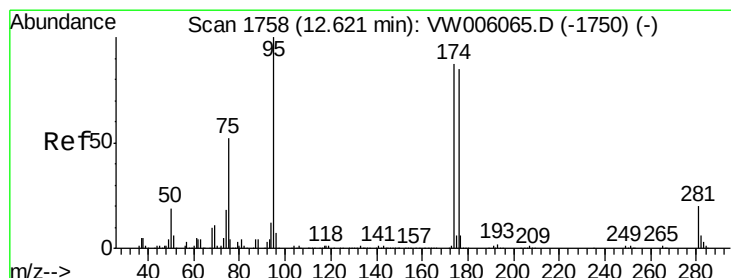
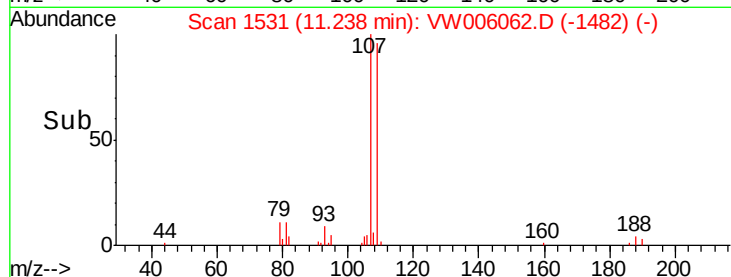
3000

2000

1000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 4.476 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

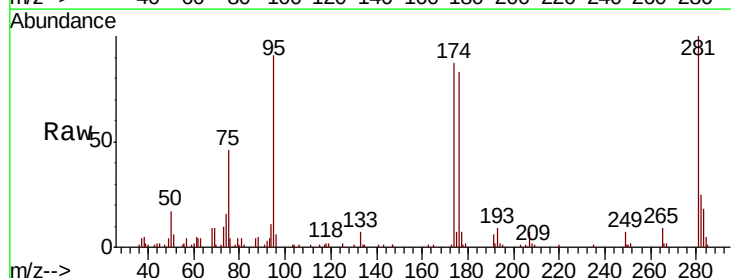
Tgt Ion: 95 Resp: 16754

Ion Ratio Lower Upper

95 100

174 96.0 0.0 186.0

176 96.6 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

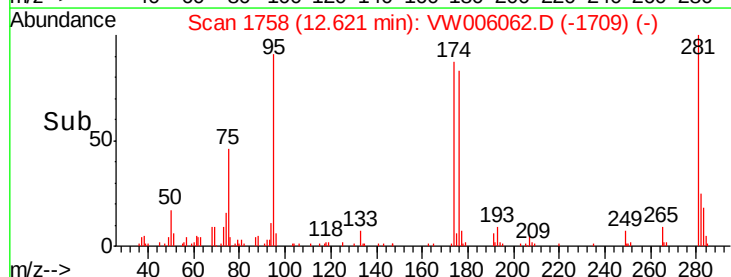
12.62

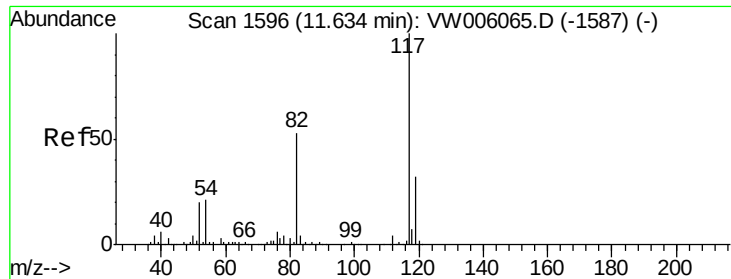
10000

5000

0

Time--> 12.55 12.60 12.65 12.70





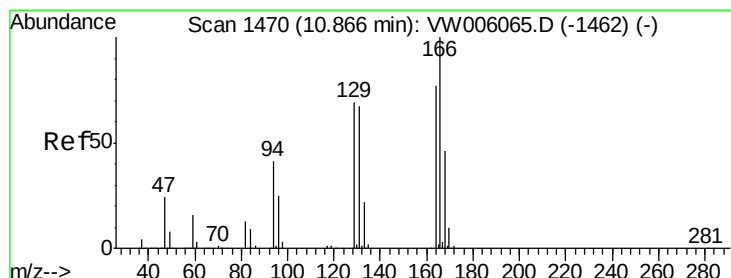
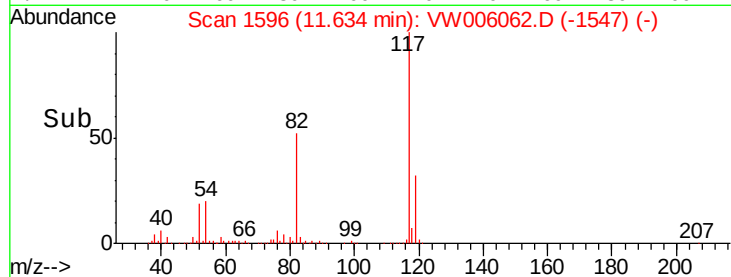
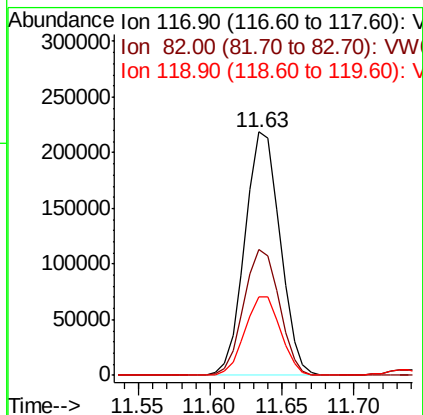
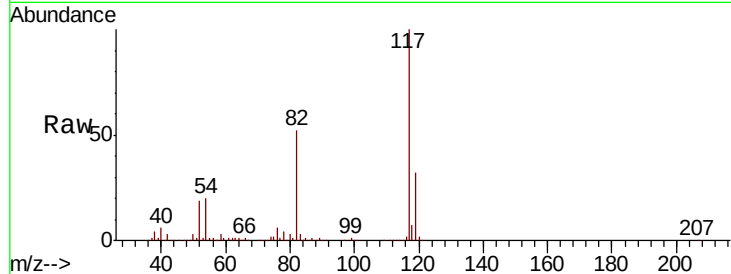
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369825		
82	51.9	42.1	63.1	
119	32.2	25.8	38.6	

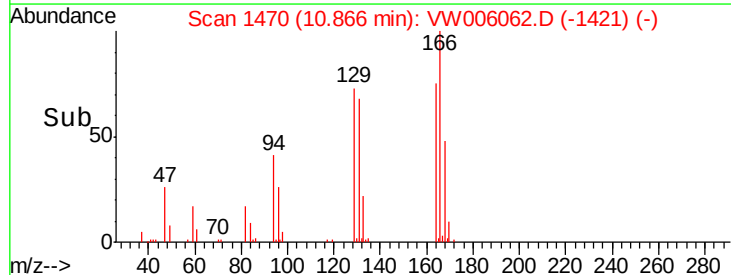
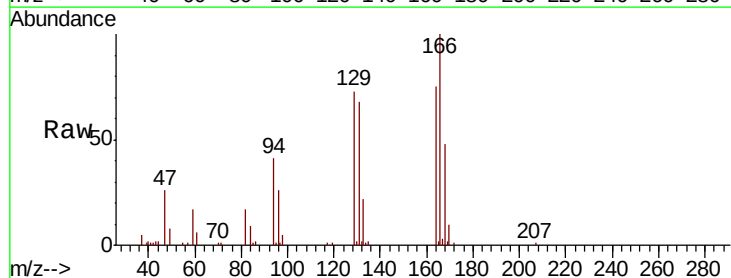
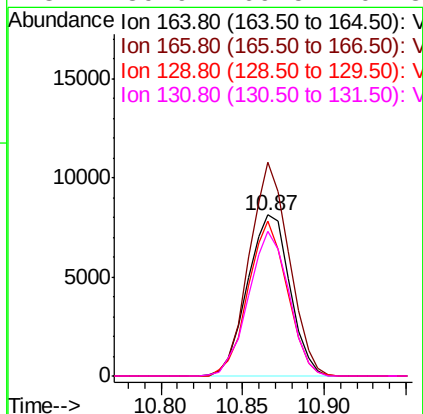
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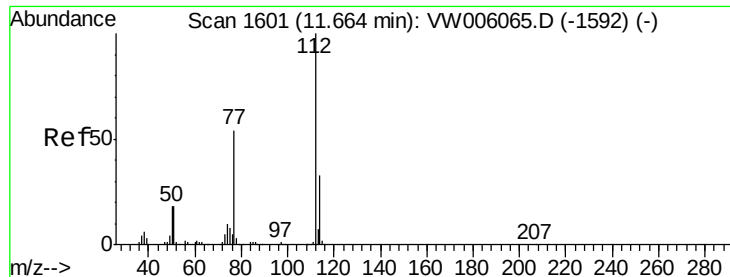
apatel
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#64
Tetrachloroethene
Concen: 5.321 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14631		
166	132.5	103.4	155.0	
129	96.2	71.8	107.8	
131	89.9	69.5	104.3	





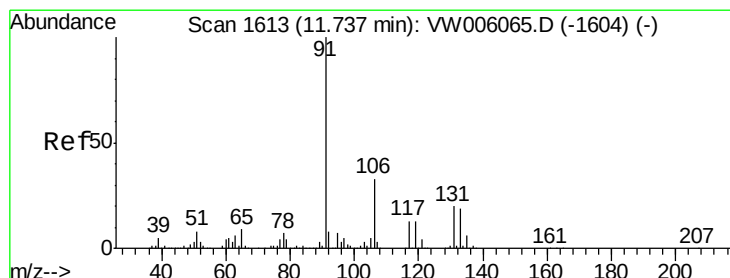
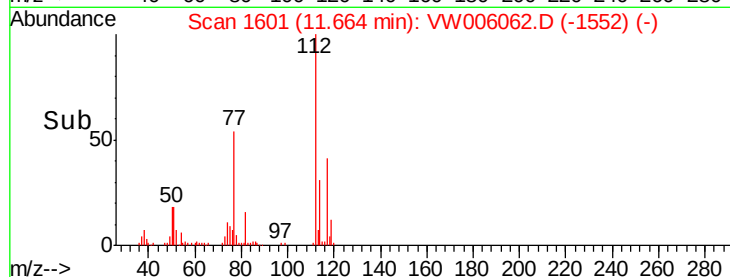
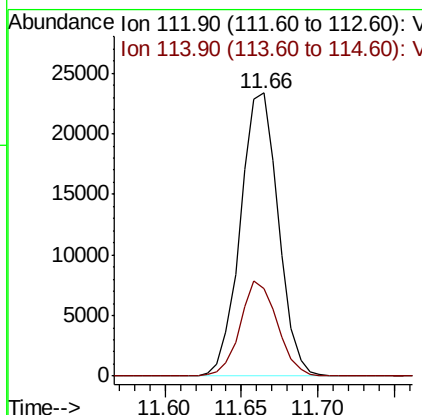
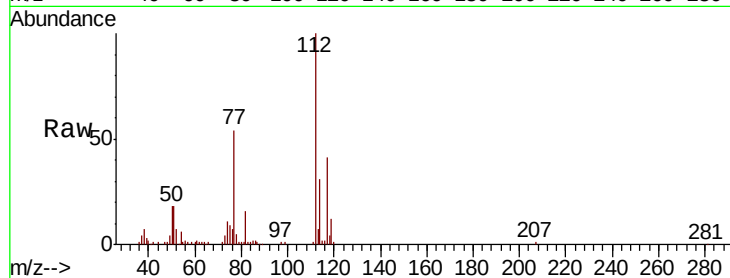
#65
Chlorobenzene
Concen: 5.132 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 40270
Ion Ratio Lower Upper
112 100
114 30.8 26.2 39.2

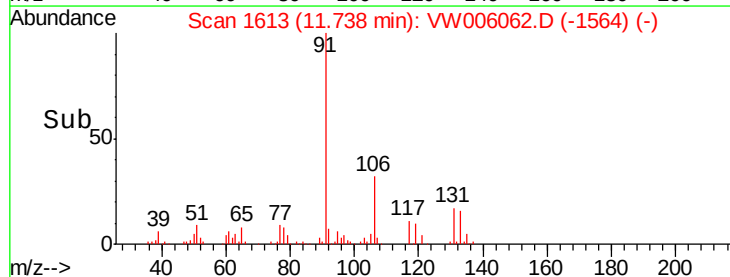
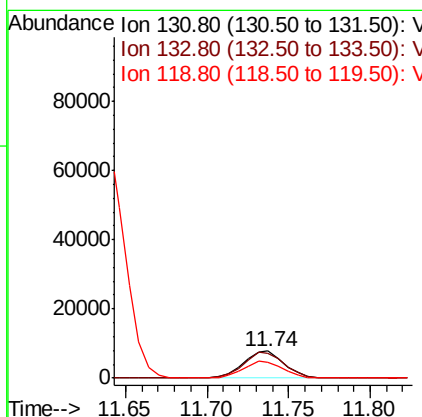
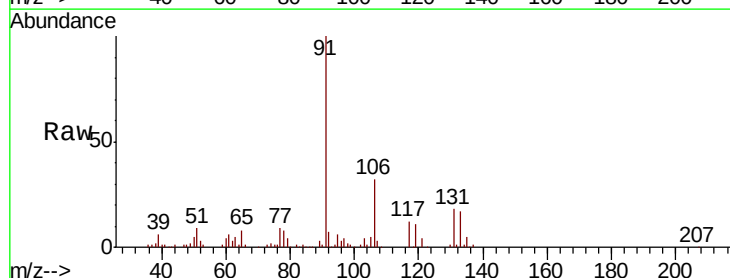
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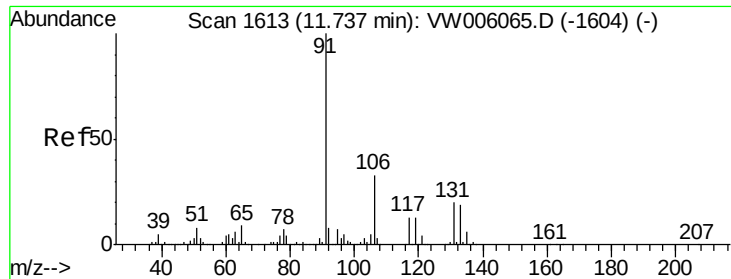
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.629 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion:131 Resp: 13315
Ion Ratio Lower Upper
131 100
133 97.6 48.1 144.3
119 64.0 31.6 94.7





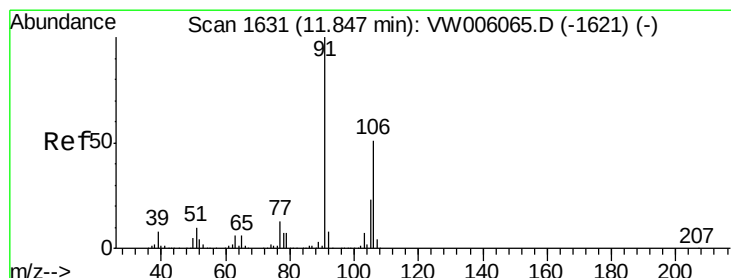
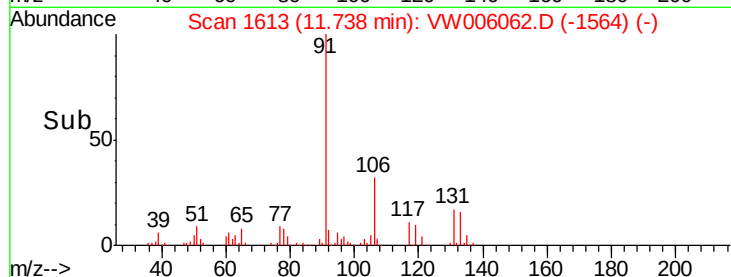
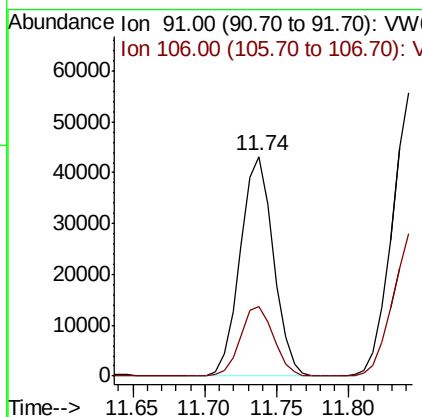
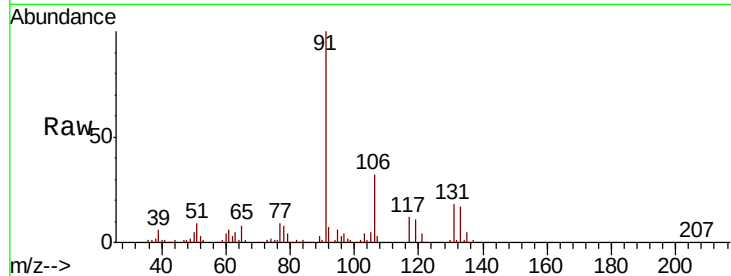
#67
Ethyl Benzene
Concen: 4.996 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 68999
Ion Ratio Lower Upper
91 100
106 31.9 26.1 39.1

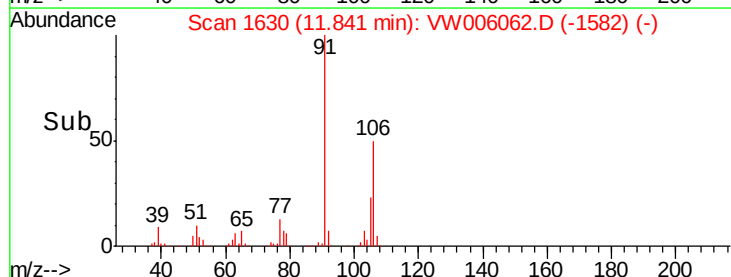
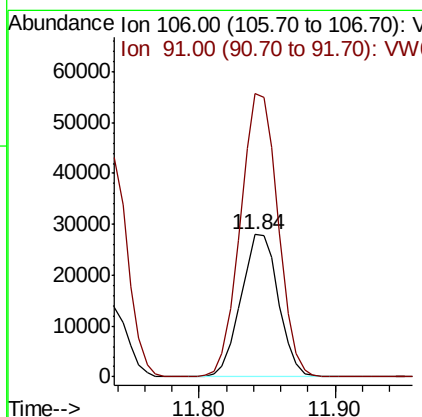
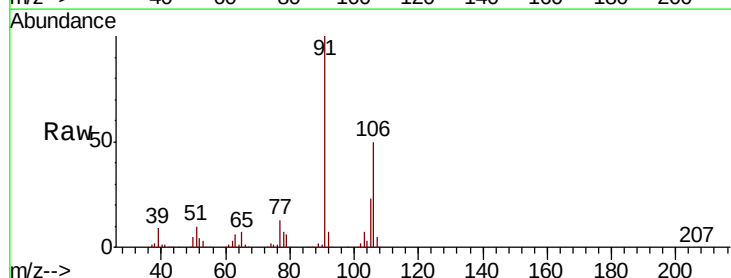
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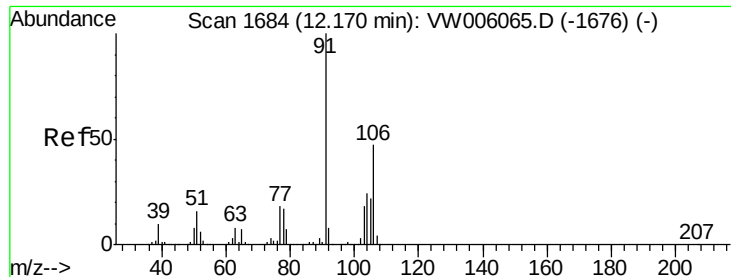
apatel
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#68
m/p-Xylenes
Concen: 9.964 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 106 Resp: 53934
Ion Ratio Lower Upper
106 100
91 199.5 159.1 238.7





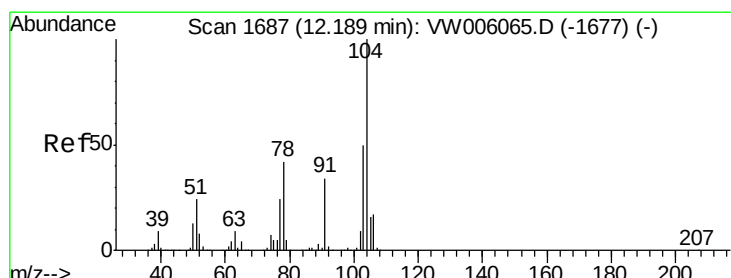
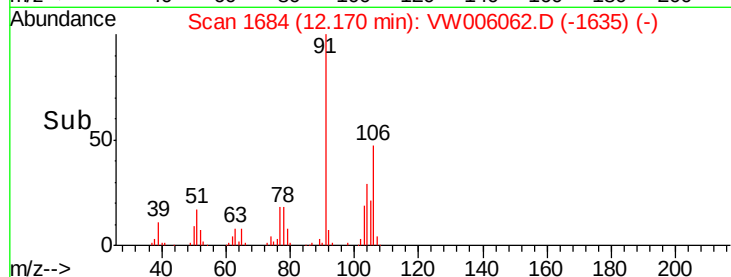
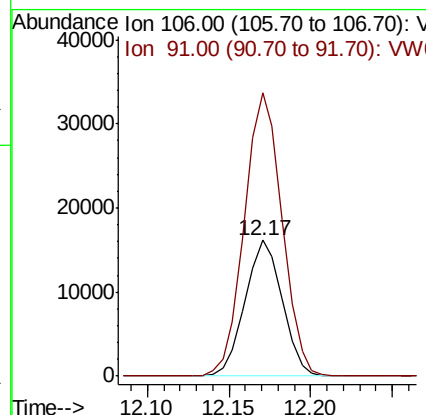
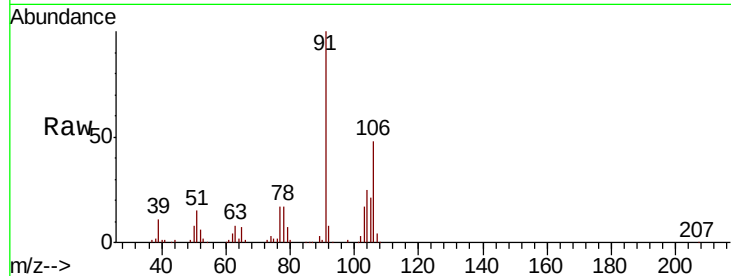
#69
o-Xylene
Concen: 4.953 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.4	105.4	316.1

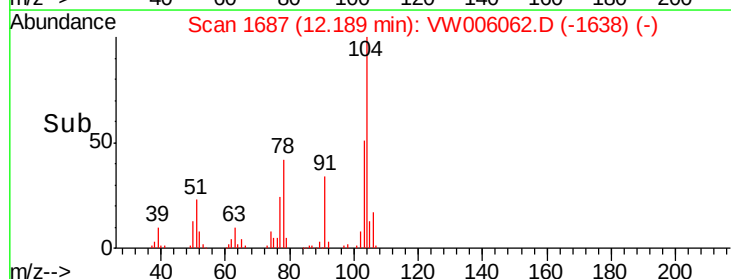
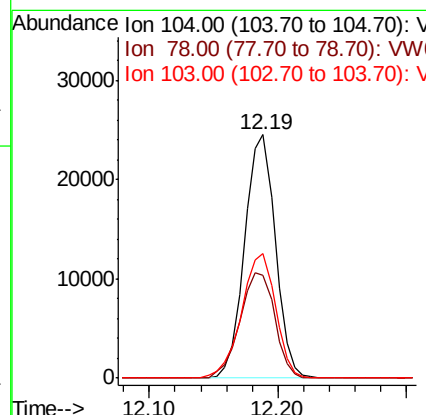
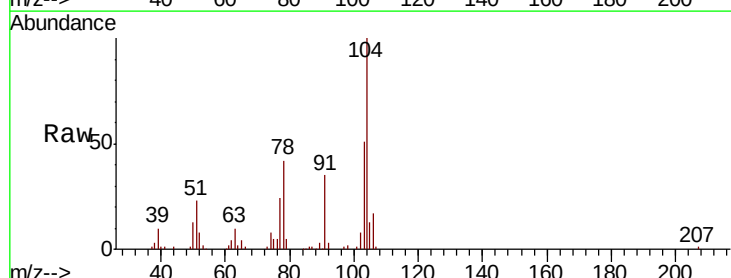
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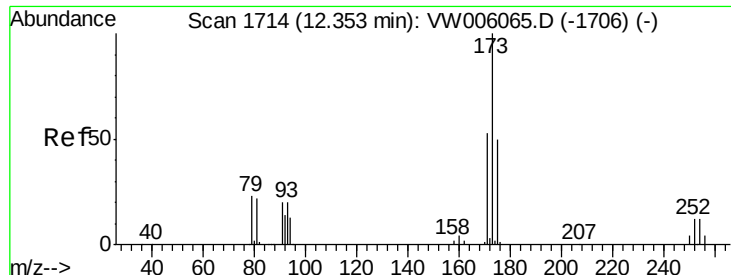
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#70
Styrene
Concen: 4.702 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.1	58.7
103	56.5	44.3	66.5





#71

Bromoform

Concen: 4.081 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 6945

Ion Ratio Lower Upper

173 100

175 45.0 24.2 72.6

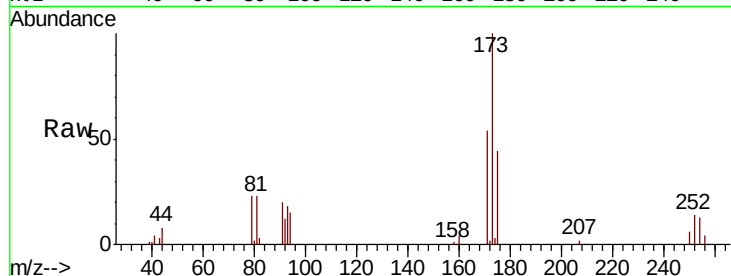
254 0.0 0.1 0.1#

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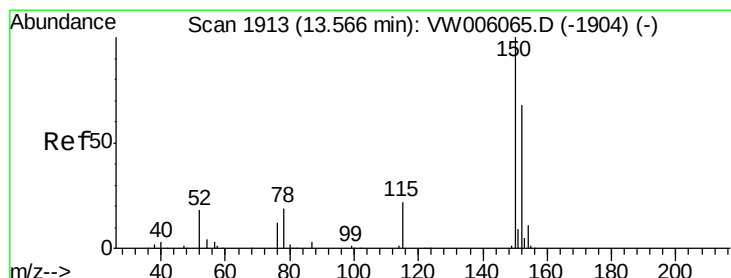
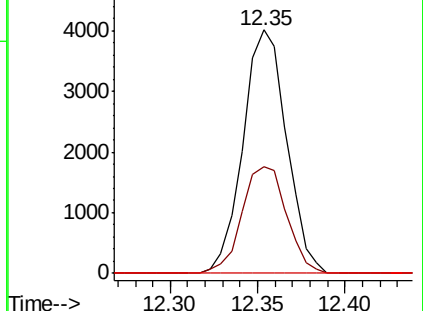
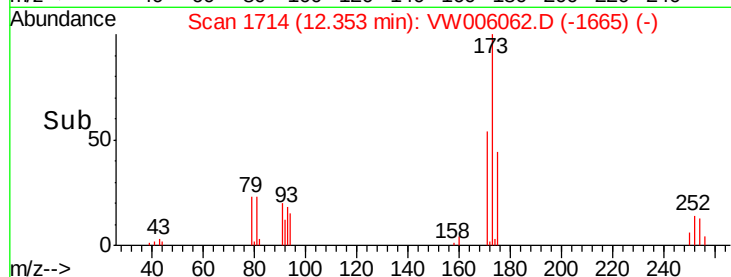
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

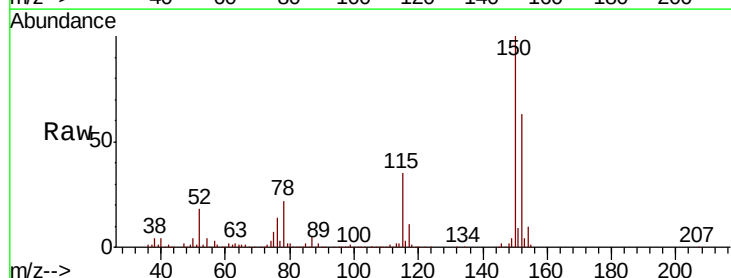
Tgt Ion:152 Resp: 202709

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

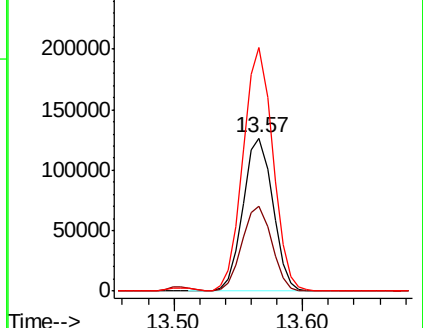
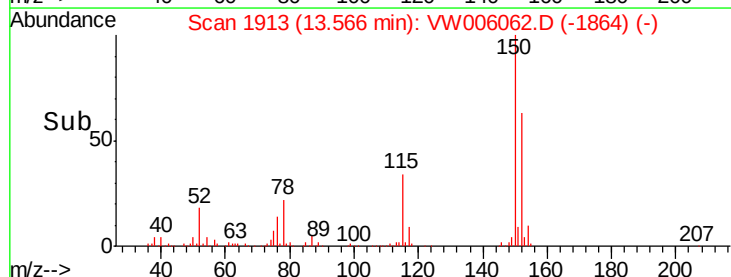
150 158.6 0.0 349.2

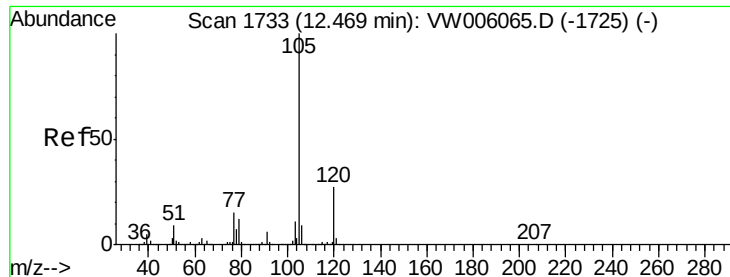


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





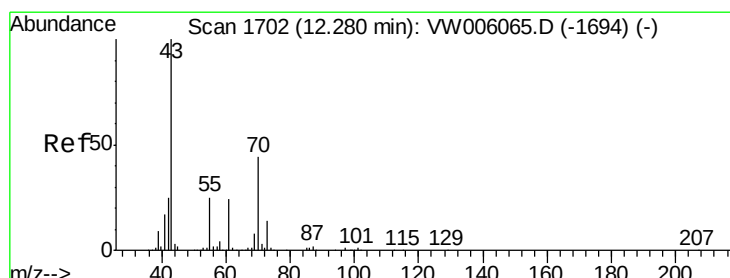
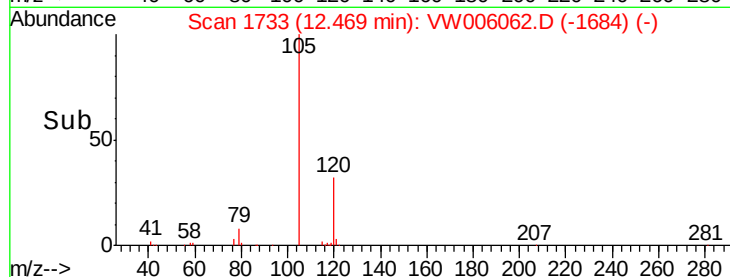
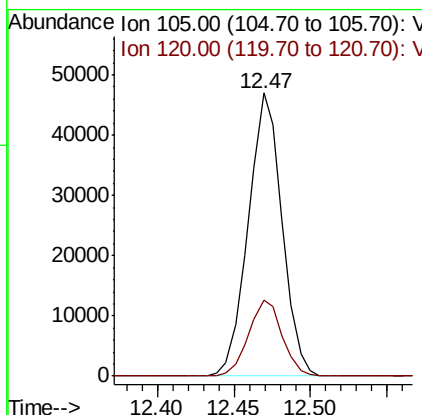
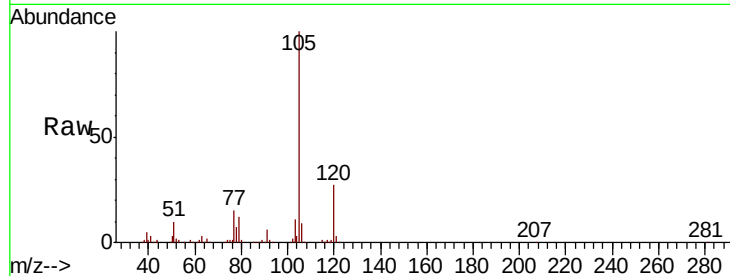
#73
Isopropylbenzene
Concen: 4.935 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.6	40.7

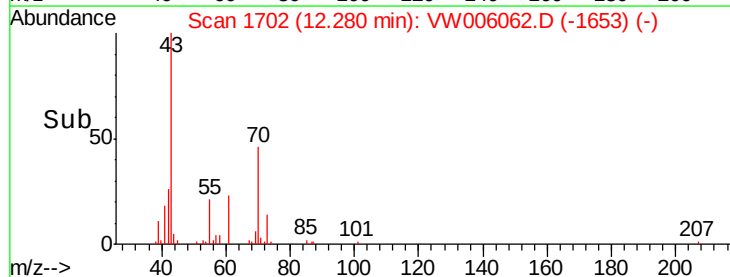
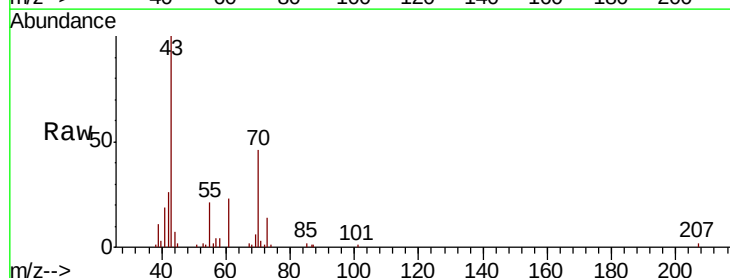
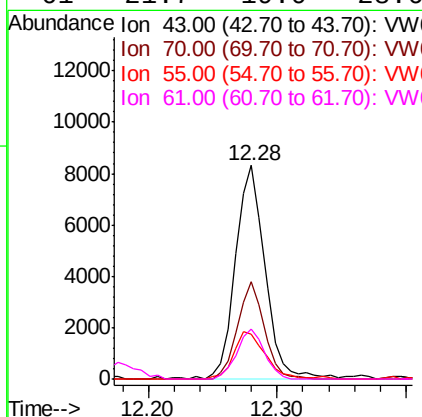
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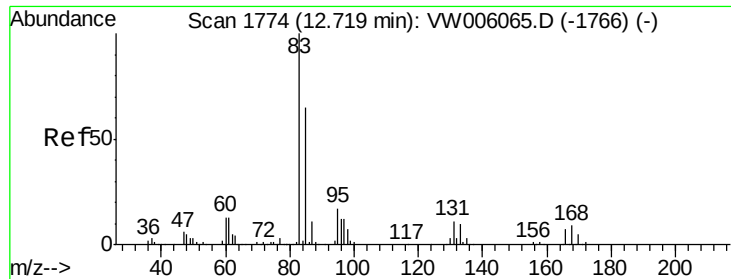
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#74
N-ethyl acetate
Concen: 3.915 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.2	51.4
55	23.2	19.2	28.8
61	21.7	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.488 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

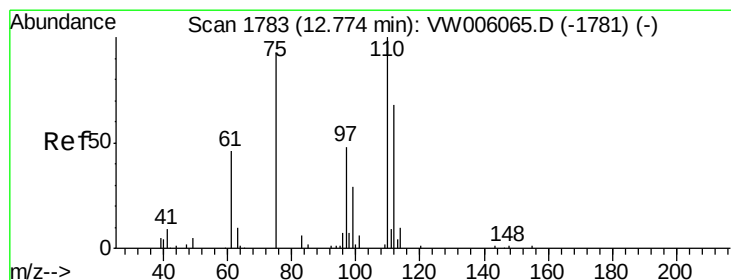
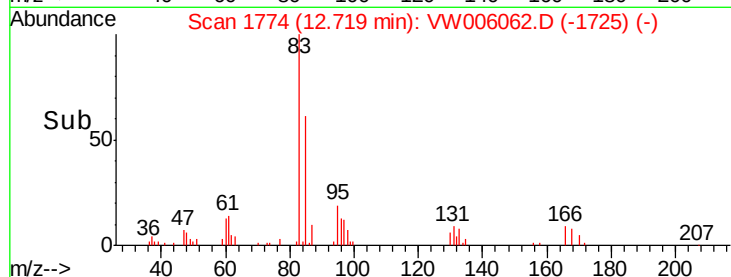
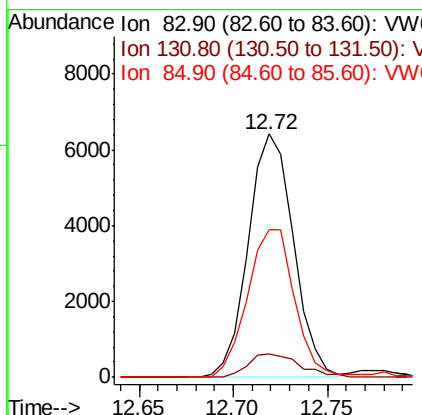
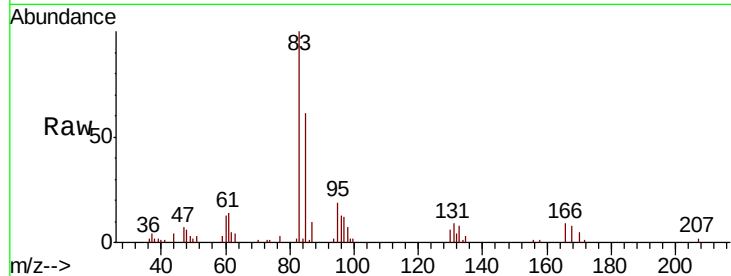
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	10684
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.9	17.7
85	63.6	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 4.798 ug/l m

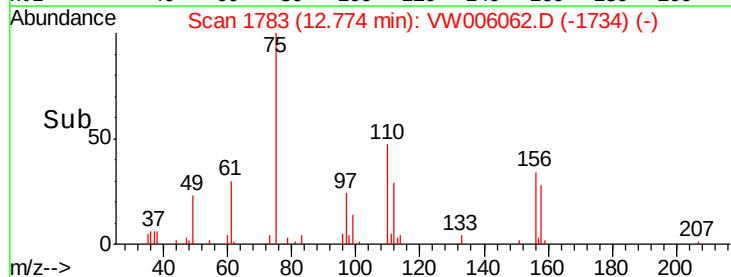
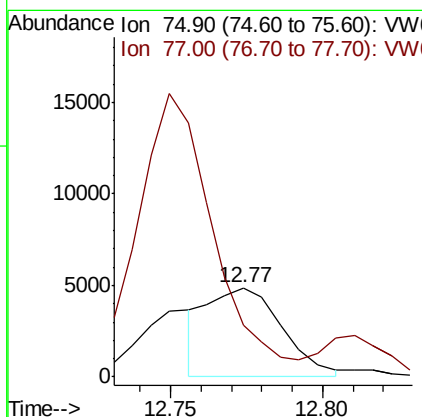
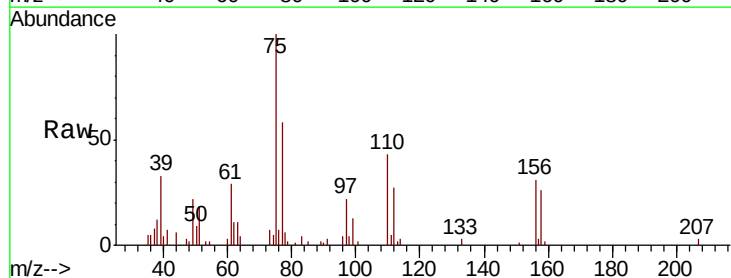
RT: 12.77 min Scan# 1783

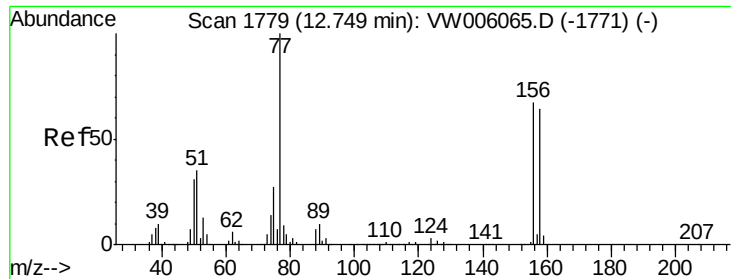
Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion:	75	Resp:	8382
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.057 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

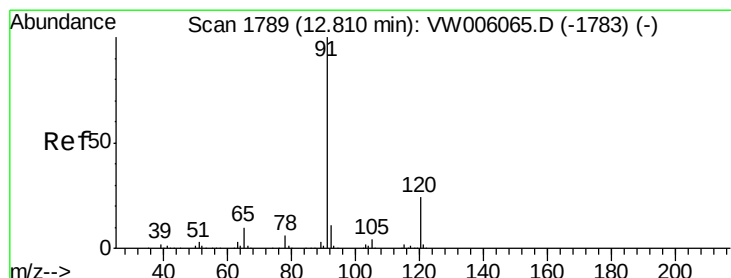
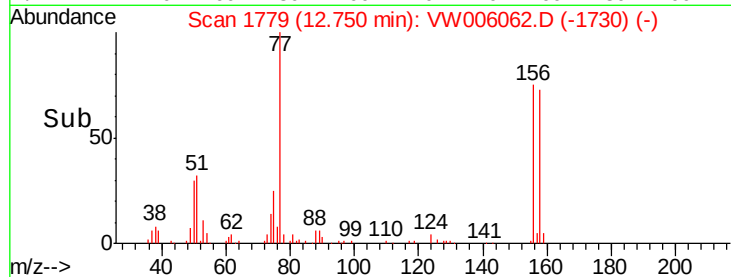
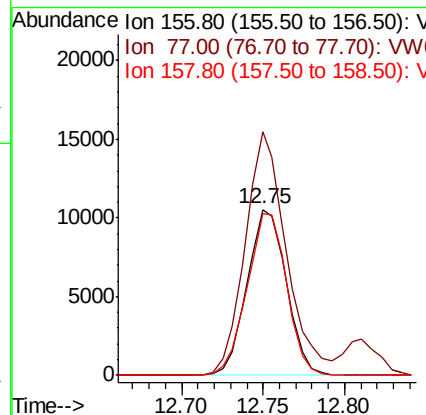
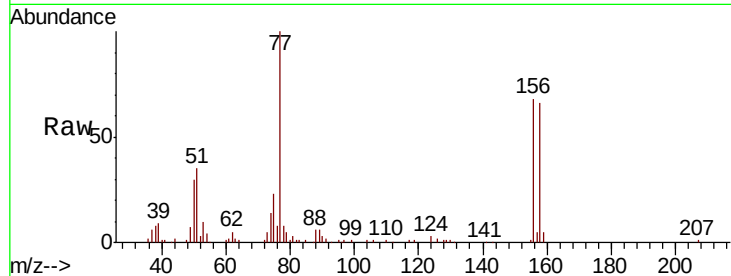
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		17610		
77	155.1		79.1	237.4	
158	98.4		48.5	145.6	

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#78

n-propylbenzene

Concen: 4.887 ug/l

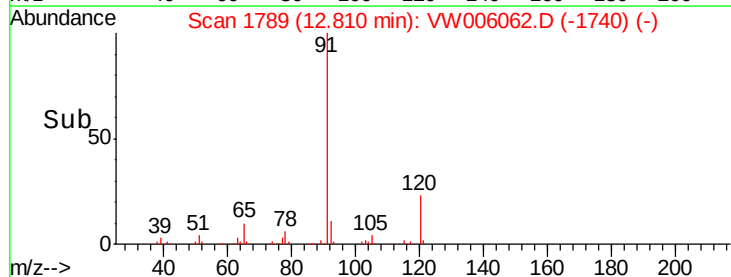
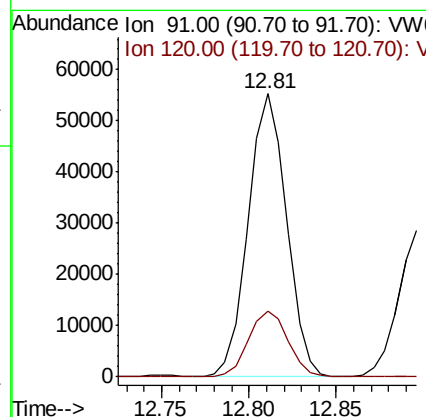
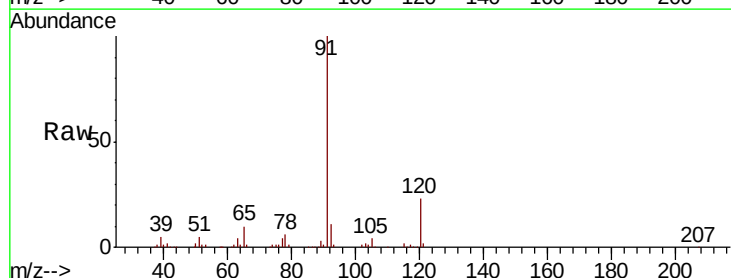
RT: 12.81 min Scan# 1789

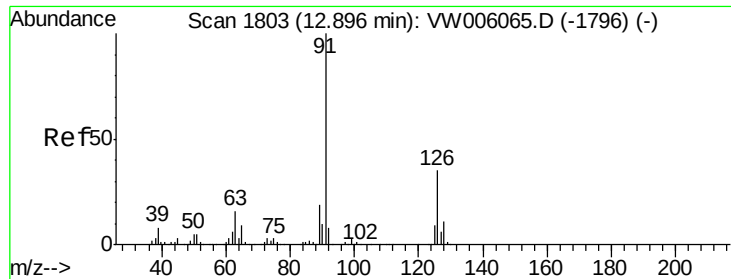
Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		83943		
120	24.1		12.2	36.6	





#79

2-Chlorotoluene

Concen: 4.842 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 47004

Ion Ratio Lower Upper

91 100

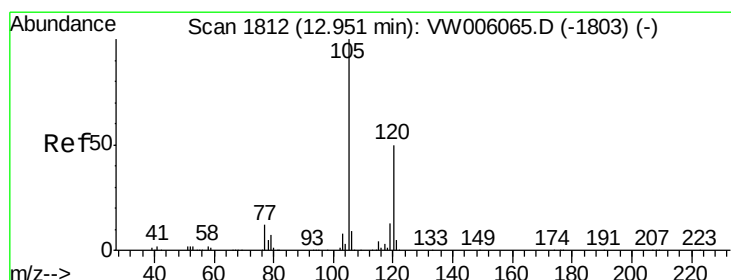
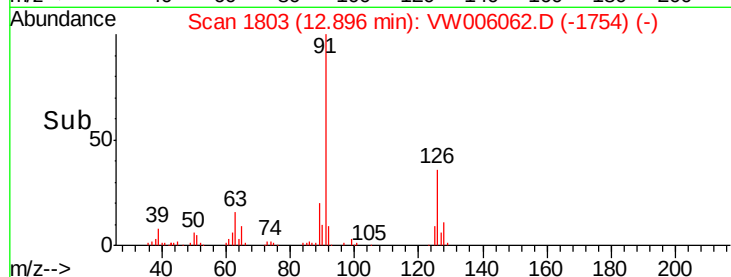
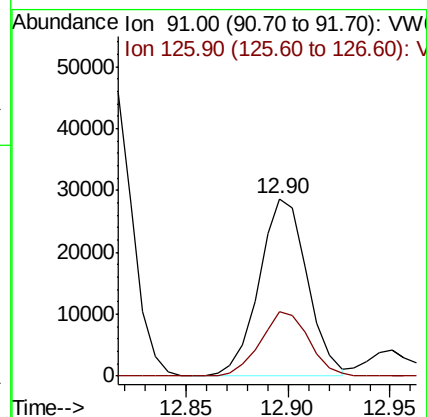
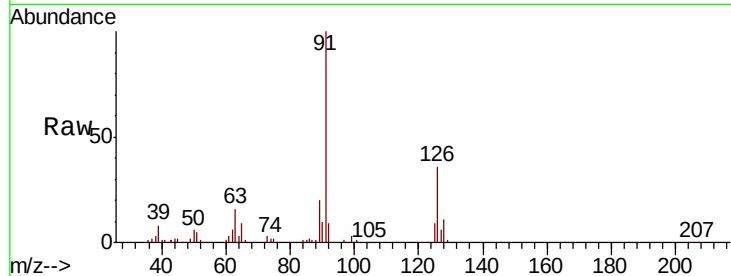
126 36.5 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 4.865 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006062.D

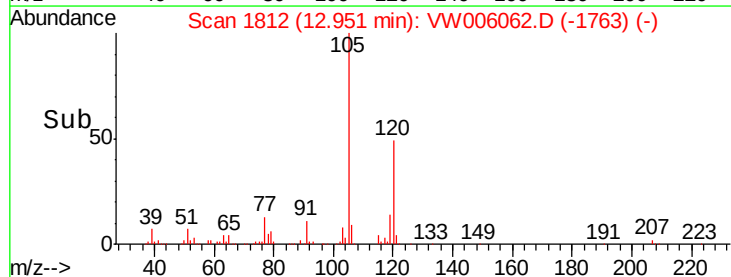
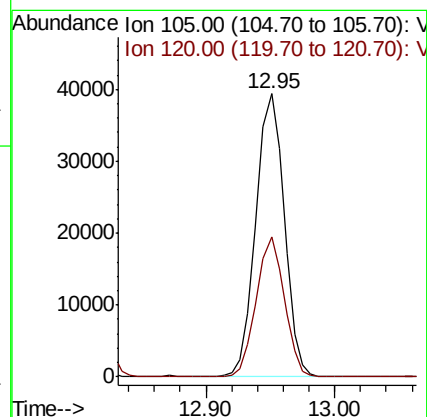
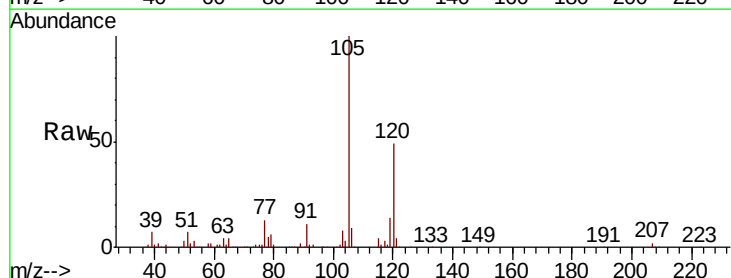
Acq: 15 Oct 2018 15:50

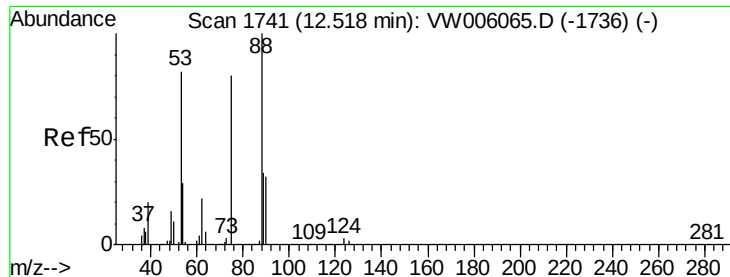
Tgt Ion: 105 Resp: 60101

Ion Ratio Lower Upper

105 100

120 48.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 3.288 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 2705

Ion Ratio Lower Upper

75 100

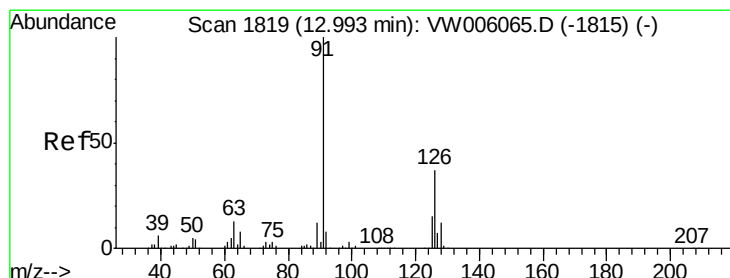
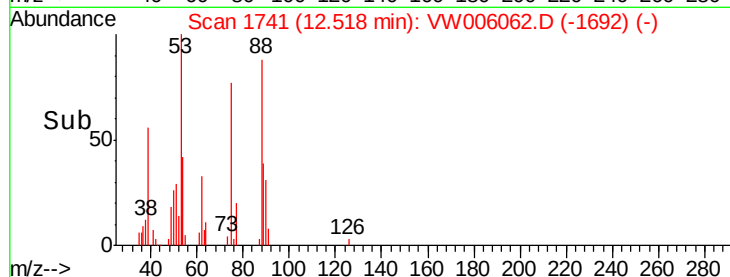
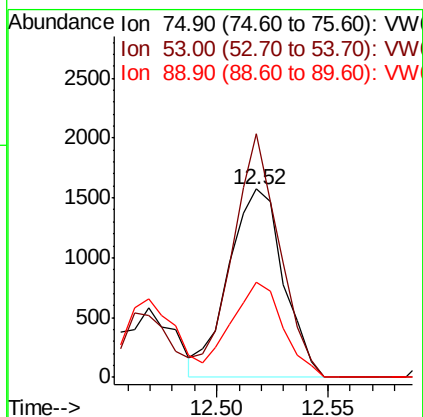
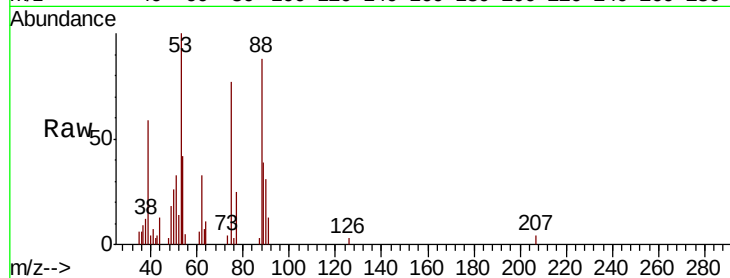
53 110.1 79.8 119.6

89 47.7 37.5 56.3

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#82

4-Chlorotoluene

Concen: 4.864 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006062.D

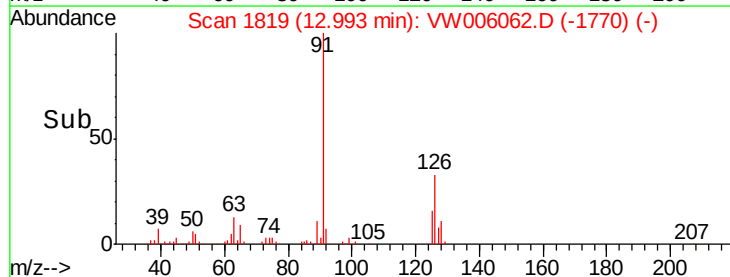
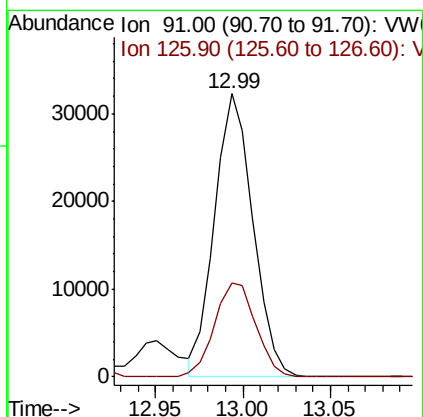
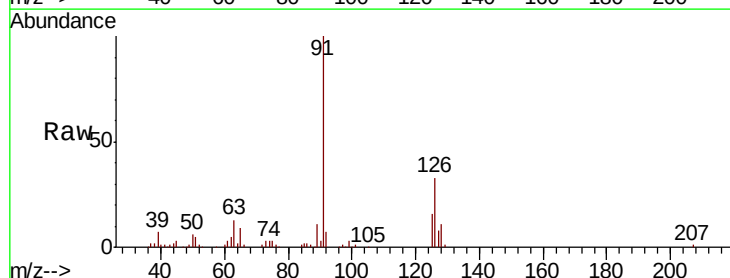
Acq: 15 Oct 2018 15:50

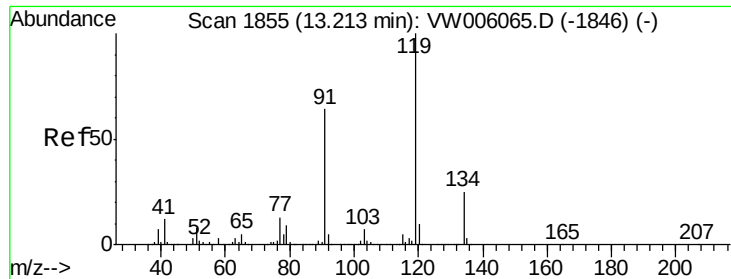
Tgt Ion: 91 Resp: 49480

Ion Ratio Lower Upper

91 100

126 35.7 18.1 54.3





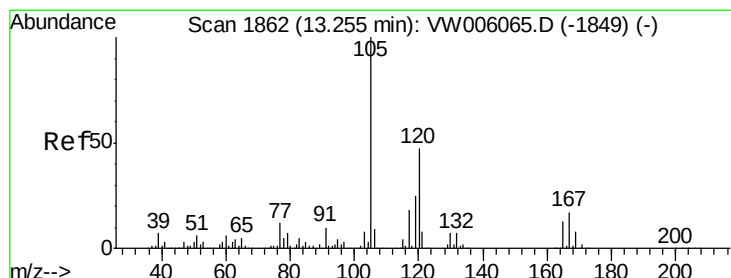
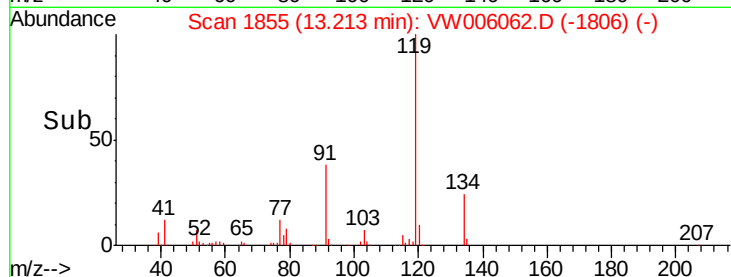
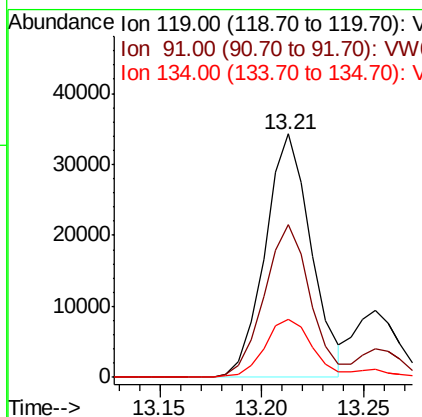
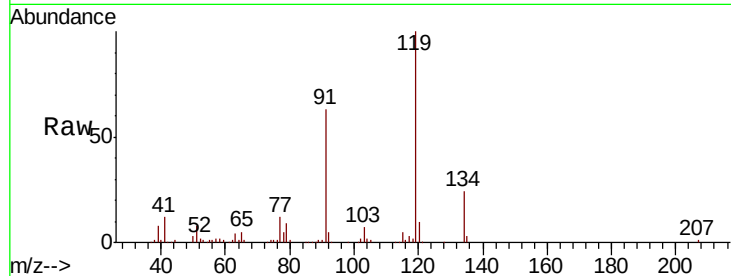
#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.3	96.9
134	24.7	13.6	40.8

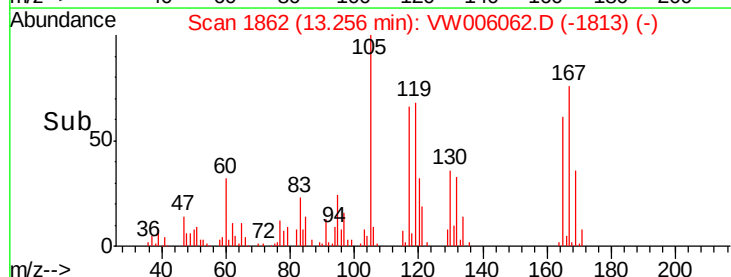
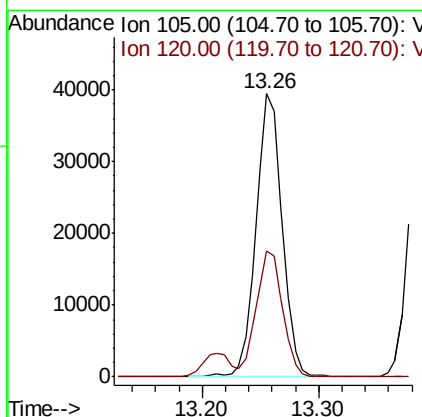
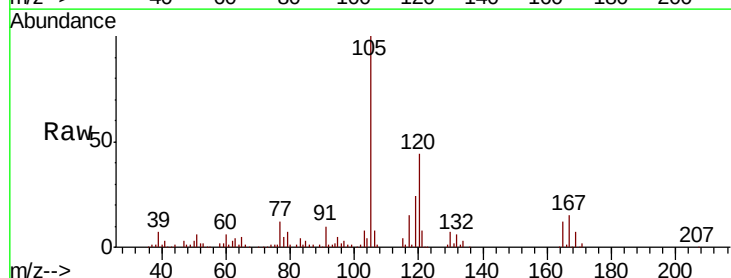
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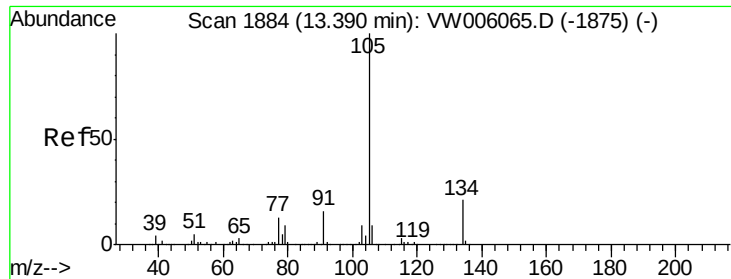
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#84
1,2,4-Trimethylbenzene
Concen: 4.929 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.1	69.3





#85

sec-Butylbenzene

Concen: 4.994 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 77007

Ion Ratio Lower Upper

105 100

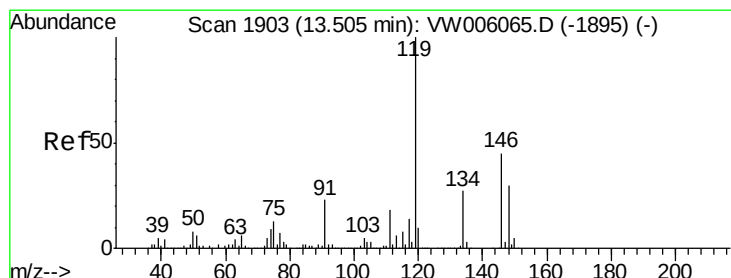
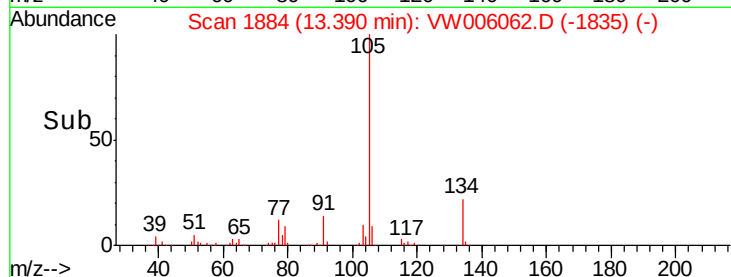
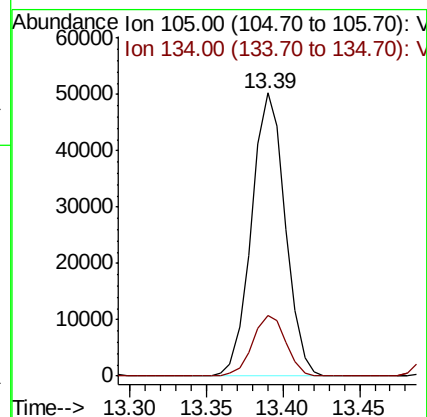
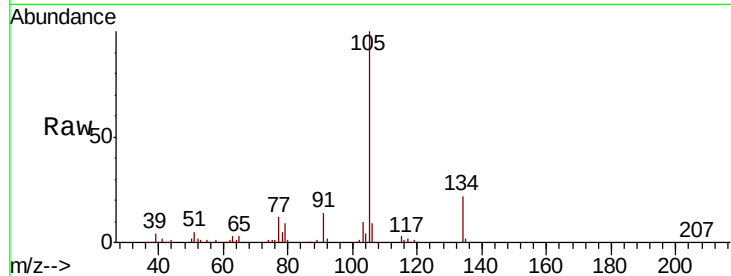
134 21.4 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 4.935 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

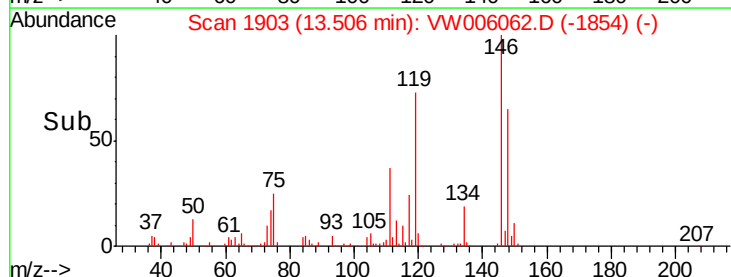
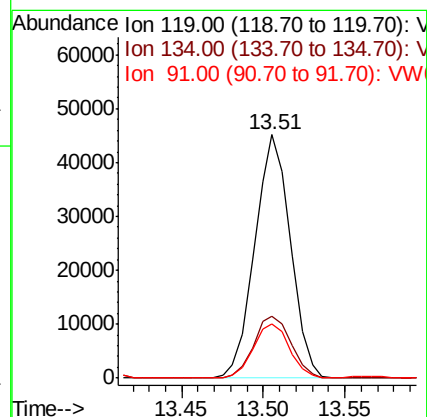
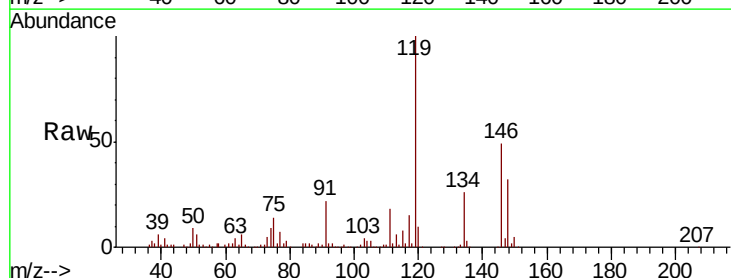
Tgt Ion:119 Resp: 68534

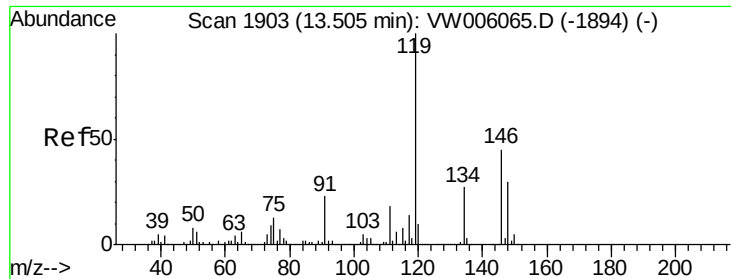
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.9 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 5.111 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006062.D

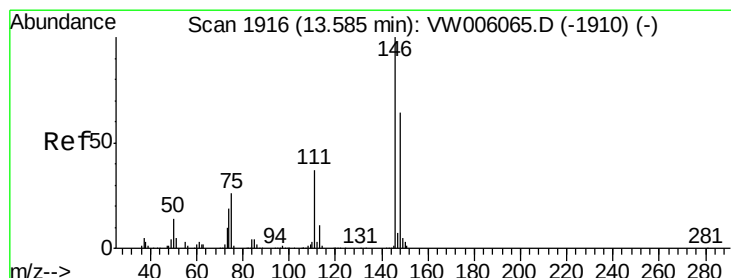
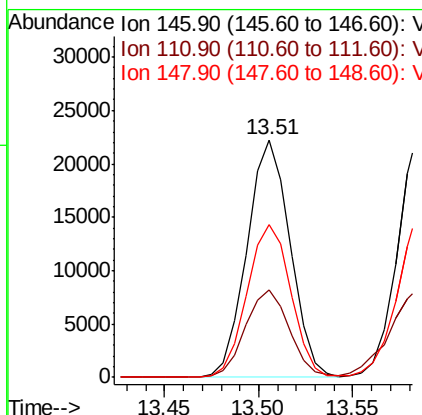
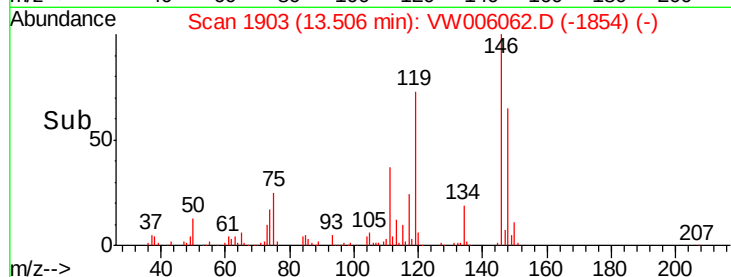
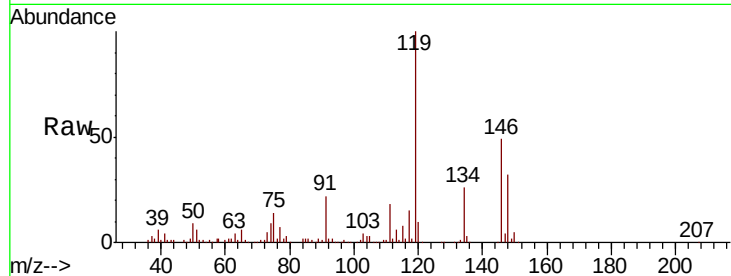
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	65.3	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 5.229 ug/l

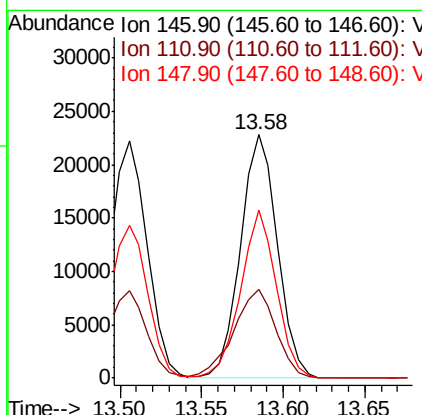
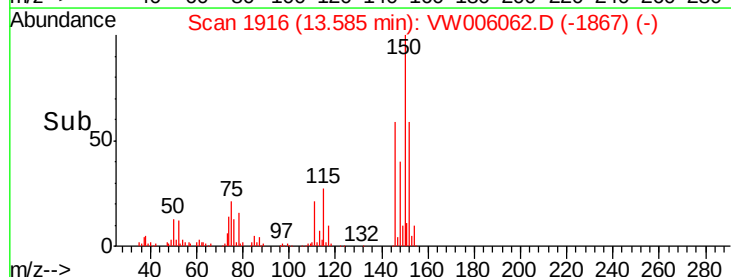
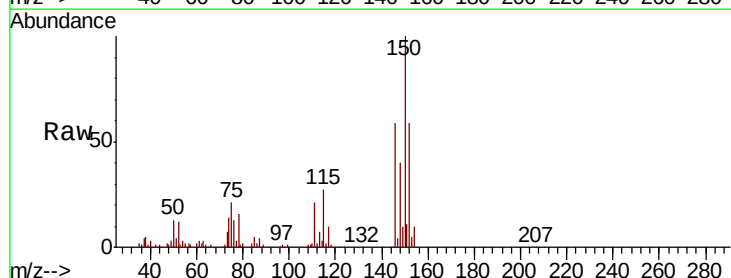
RT: 13.58 min Scan# 1916

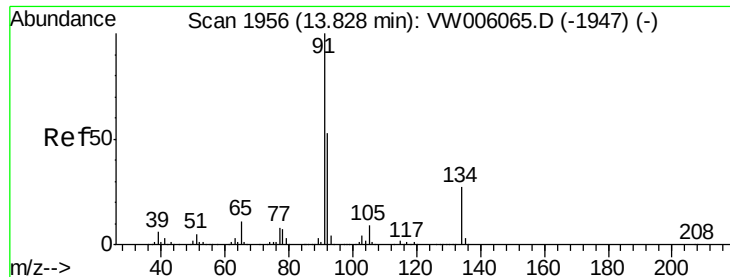
Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	18.6	56.0
148	67.0	32.1	96.5





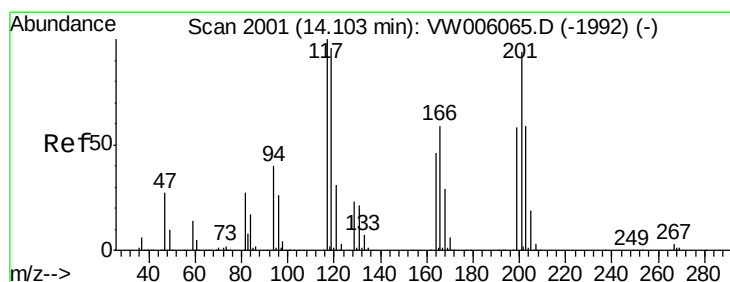
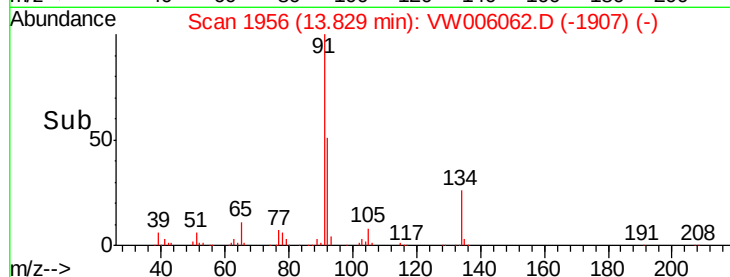
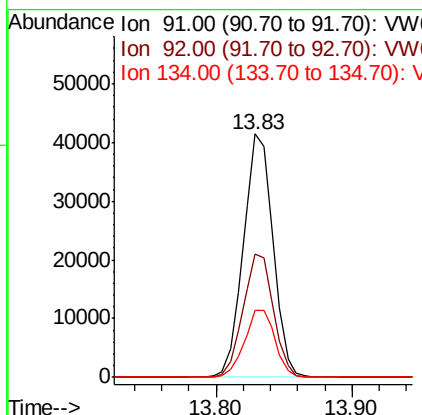
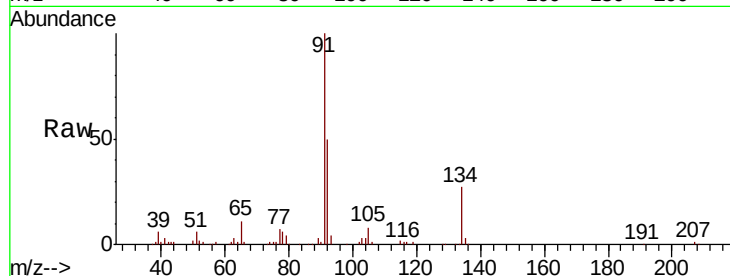
#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.6	79.7
134	28.2	14.0	41.9

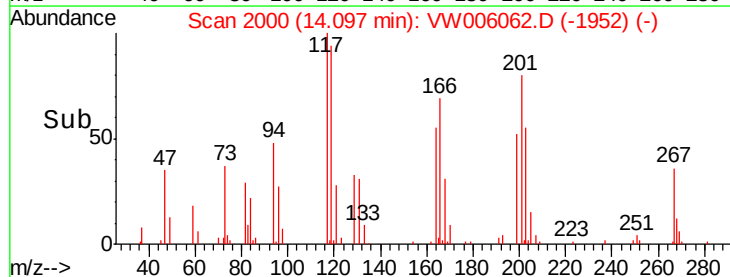
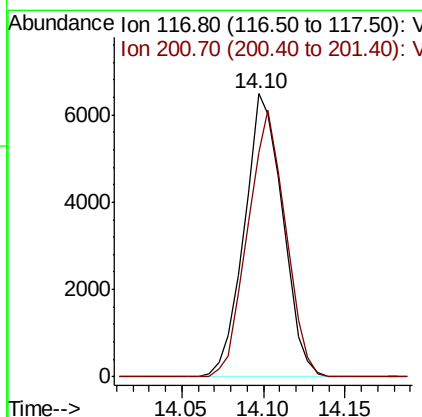
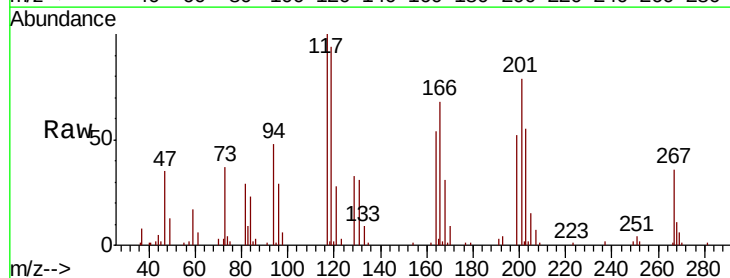
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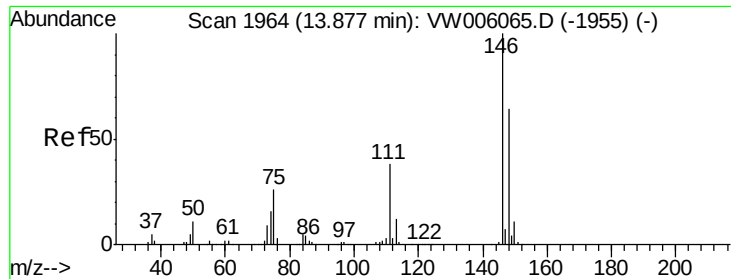
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#90
Hexachloroethane
Concen: 4.125 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	45.3	135.9





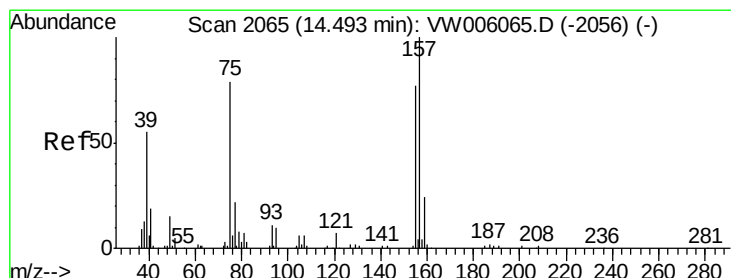
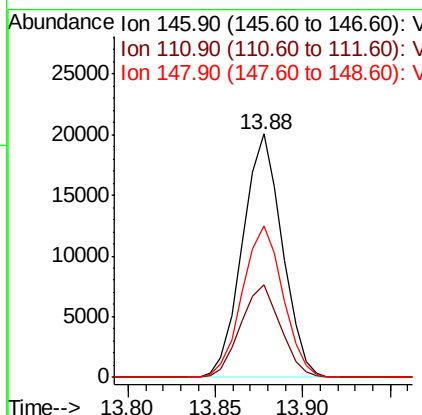
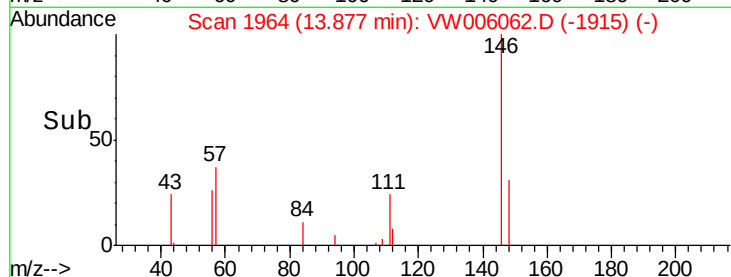
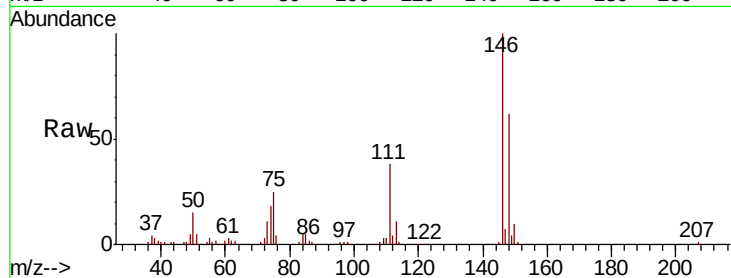
#91
 1,2-Dichlorobenzene
 Concen: 5.150 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.6	58.7
148	64.0	32.2	96.6

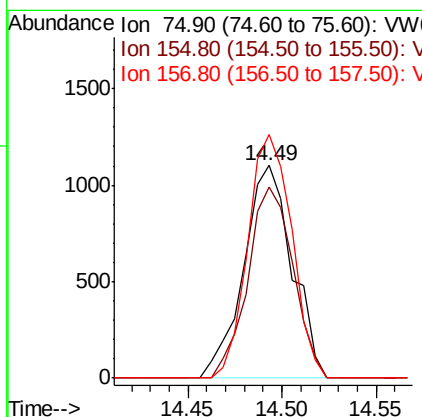
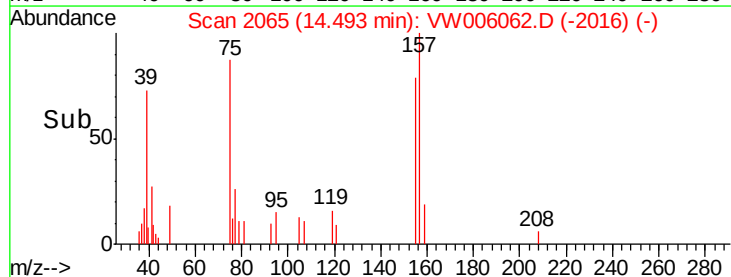
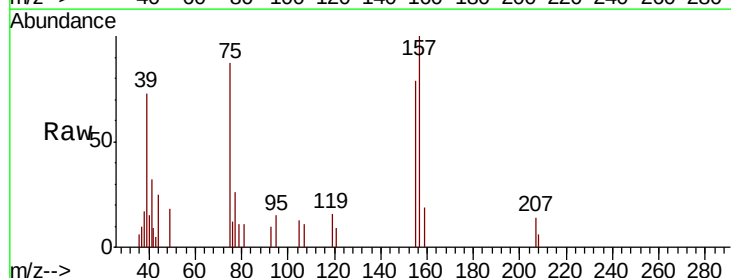
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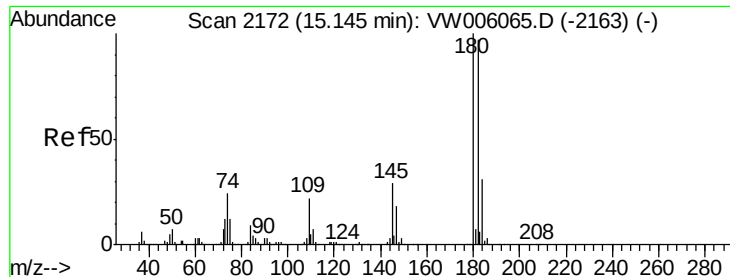
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.465 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	46.5	139.5
157	103.4	59.8	179.4





#93

1,2,4-Trichlorobenzene

Concen: 5.092 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

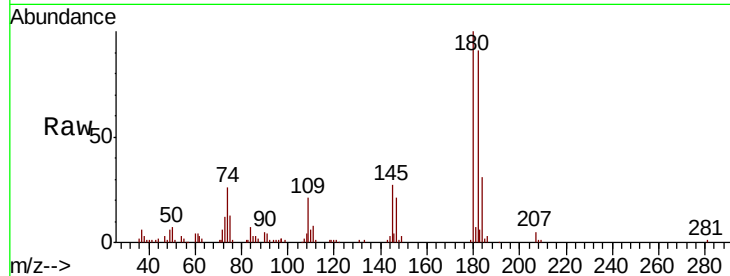
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	24093
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.6
145	30.5	14.2	42.8

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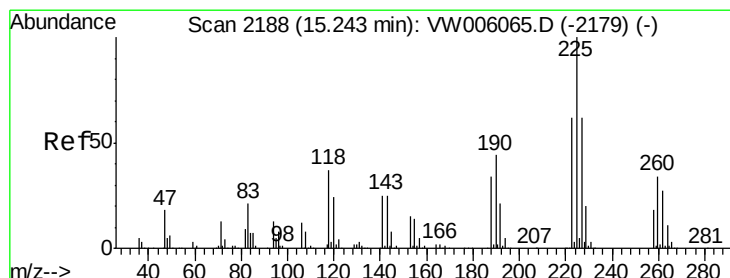
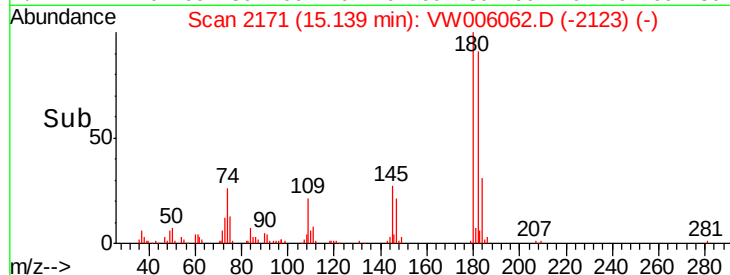
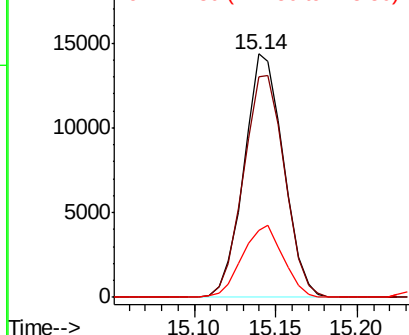


Abundance

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: 5.185 ug/l

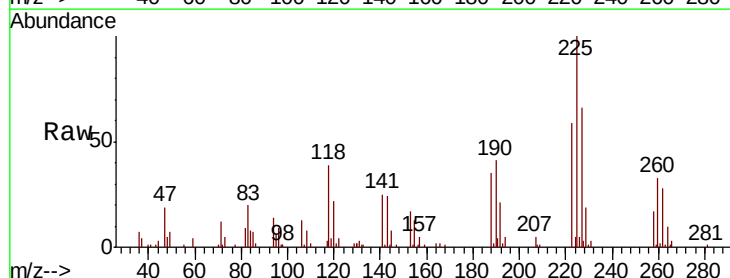
RT: 15.24 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion:	225	Resp:	15321
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.1	93.5
227	63.7	32.4	97.0

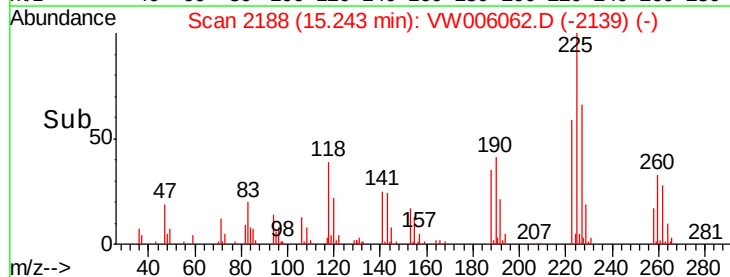
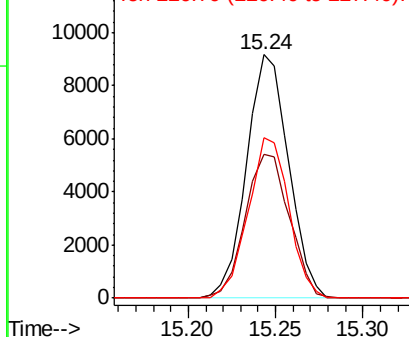


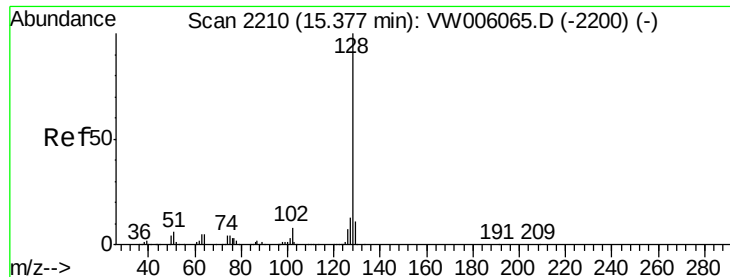
Abundance

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





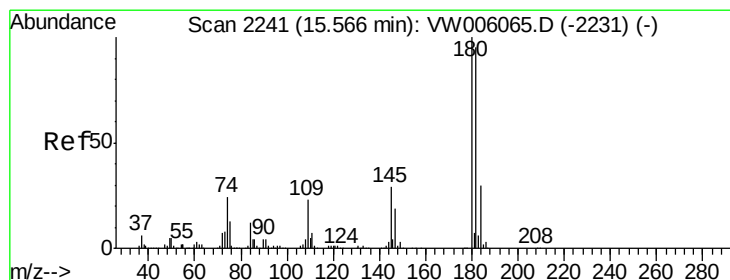
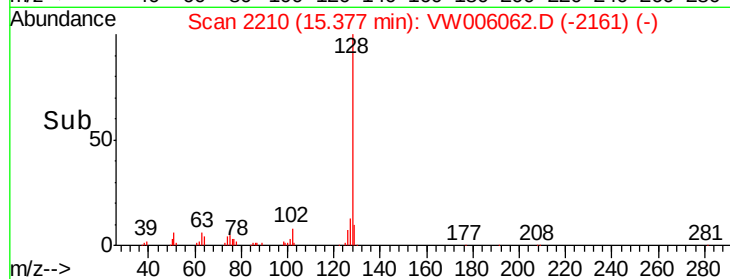
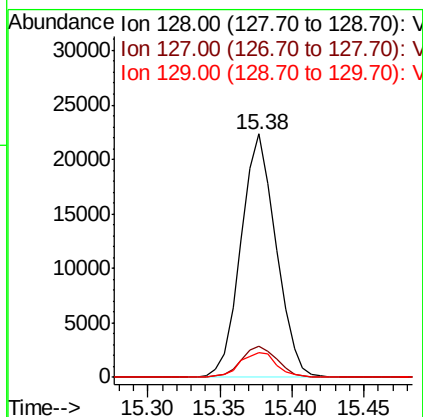
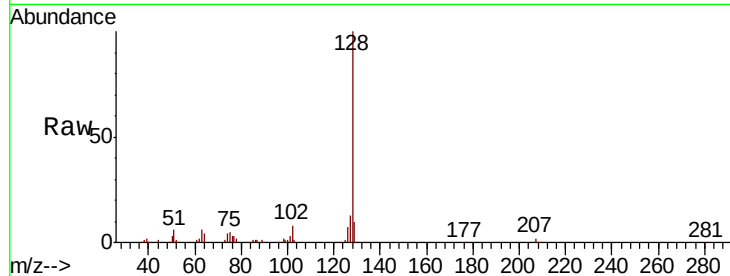
#95
Naphthalene
Concen: 4.646 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

apatel
10/16/2018 10:33:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.945 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	32.0	15.0	45.1

