

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007551.D
 Acq On : 15 Dec 2018 00:12
 Operator : SY/AP
 Sample : VW1217SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS02

Manual Integrations
 APPROVED

sam
 12/27/2018 8:20:24 AM

Quant Time: Dec 15 03:52:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	132090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44130	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	7.88	113	40168	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.32	98	152988	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.62	95	59398	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13258m	23.863	ug/l	
3) Chloromethane	2.21	50	9893	21.261	ug/l	95
4) Vinyl Chloride	2.37	62	12064	22.093	ug/l	97
5) Bromomethane	2.78	94	8411	22.925	ug/l	92
6) Chloroethane	2.93	64	6481	21.561	ug/l	91
7) Trichlorofluoromethane	3.25	101	10325	21.031	ug/l	91
8) Diethyl Ether	3.68	74	8096	21.070	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16784	20.719	ug/l	98
10) Methyl Iodide	4.26	142	28000	20.870	ug/l	98
11) Tert butyl alcohol	5.17	59	6934	114.462	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	16294	20.891	ug/l	97
13) Acrolein	3.89	56	4471	111.538	ug/l	100
14) Allyl chloride	4.66	41	22739	19.779	ug/l	97
15) Acrylonitrile	5.37	53	17405	107.450	ug/l	98
16) Acetone	4.12	43	16327	105.971	ug/l	99
17) Carbon Disulfide	4.37	76	48390	20.462	ug/l	99
18) Methyl Acetate	4.67	43	9367	22.400	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	25841	21.963	ug/l	97
20) Methylene Chloride	4.91	84	19396	20.727	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	18129	20.779	ug/l	99
22) Diisopropyl ether	6.31	45	46330	20.966	ug/l	94
23) Vinyl Acetate	6.26	43	130964	105.957	ug/l	96
24) 1,1-Dichloroethane	6.21	63	30218	20.233	ug/l	100
25) 2-Butanone	7.17	43	22006	109.406	ug/l	99
26) 2,2-Dichloropropane	7.17	77	21244	21.493	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	20474	21.431	ug/l	98
28) Bromochloromethane	7.51	49	11934	21.243	ug/l	99
29) Tetrahydrofuran	7.52	42	13797	108.352	ug/l	98
30) Chloroform	7.67	83	34050	20.950	ug/l	95
31) Cyclohexane	7.95	56	27115	19.788	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	29514	20.708	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25909	21.502	ug/l	97
37) Ethyl Acetate	7.25	43	9684	21.608	ug/l	99
38) Carbon Tetrachloride	8.06	117	27769	21.180	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31731	21.747	ug/l	92
40) Benzene	8.32	78	69874	20.895	ug/l	94
41) Methacrylonitrile	7.48	41	4910	19.239	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	23040	21.933	ug/l	99
43) Isopropyl Acetate	8.43	43	20346	22.983	ug/l	99
44) Trichloroethene	9.09	130	21488	22.503	ug/l	99
45) 1,2-Dichloropropane	9.37	63	16493	21.313	ug/l	99
46) Dibromomethane	9.46	93	9973	22.694	ug/l	95
47) Bromodichloromethane	9.64	83	24693	21.422	ug/l	98
48) Methyl methacrylate	9.44	41	9323	20.505	ug/l	90
49) 1,4-Dioxane	9.45	88	3257	456.775	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	46389	110.901	ug/l	99
52) Toluene	10.39	92	47985	22.174	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	25068	22.401	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	27495	21.254	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	13861	23.175	ug/l	97
56) Ethyl methacrylate	10.65	69	16874	23.472	ug/l	98
57) 1,3-Dichloropropane	10.93	76	22621	23.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	37767	113.923	ug/l	98
59) 2-Hexanone	10.97	43	32470	116.414	ug/l	98
60) Dibromochloromethane	11.13	129	16724	22.157	ug/l	96
61) 1,2-Dibromoethane	11.24	107	13697	23.174	ug/l	93
64) Tetrachloroethene	10.86	164	17160	19.867	ug/l	91
65) Chlorobenzene	11.66	112	53519	21.378	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	18880	21.412	ug/l	99
67) Ethyl Benzene	11.73	91	92367	21.460	ug/l	93
68) m/p-Xylenes	11.84	106	72002	43.030	ug/l	100
69) o-Xylene	12.17	106	33584	21.490	ug/l	96
70) Styrene	12.18	104	56303	22.305	ug/l	98
71) Bromoform	12.35	173	9455	20.950	ug/l #	98
73) Isopropylbenzene	12.47	105	95804	20.547	ug/l	100
74) N-amyl acetate	12.27	43	18242	21.527	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	15500	22.444	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	11903m	23.723	ug/l	
77) Bromobenzene	12.75	156	21719	21.014	ug/l	96
78) n-propylbenzene	12.80	91	111311	21.212	ug/l	100
79) 2-Chlorotoluene	12.90	91	65114	20.508	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	82957	21.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4848	21.344	ug/l	94
82) 4-Chlorotoluene	12.99	91	69844	20.868	ug/l	97
83) tert-Butylbenzene	13.21	119	72098	20.885	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	84652	20.997	ug/l	99
85) sec-Butylbenzene	13.39	105	100506	21.327	ug/l	96
86) p-Isopropyltoluene	13.50	119	90029	21.265	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	43971	21.338	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	43653	21.072	ug/l	96
89) n-Butylbenzene	13.83	91	82030	20.900	ug/l	99
90) Hexachloroethane	14.10	117	15328	20.348	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	38865	21.057	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3061	22.087	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26407	20.790	ug/l	96
94) Hexachlorobutadiene	15.24	225	13398	19.880	ug/l	99
95) Naphthalene	15.38	128	52229	21.495	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	23122	20.956	ug/l	96

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

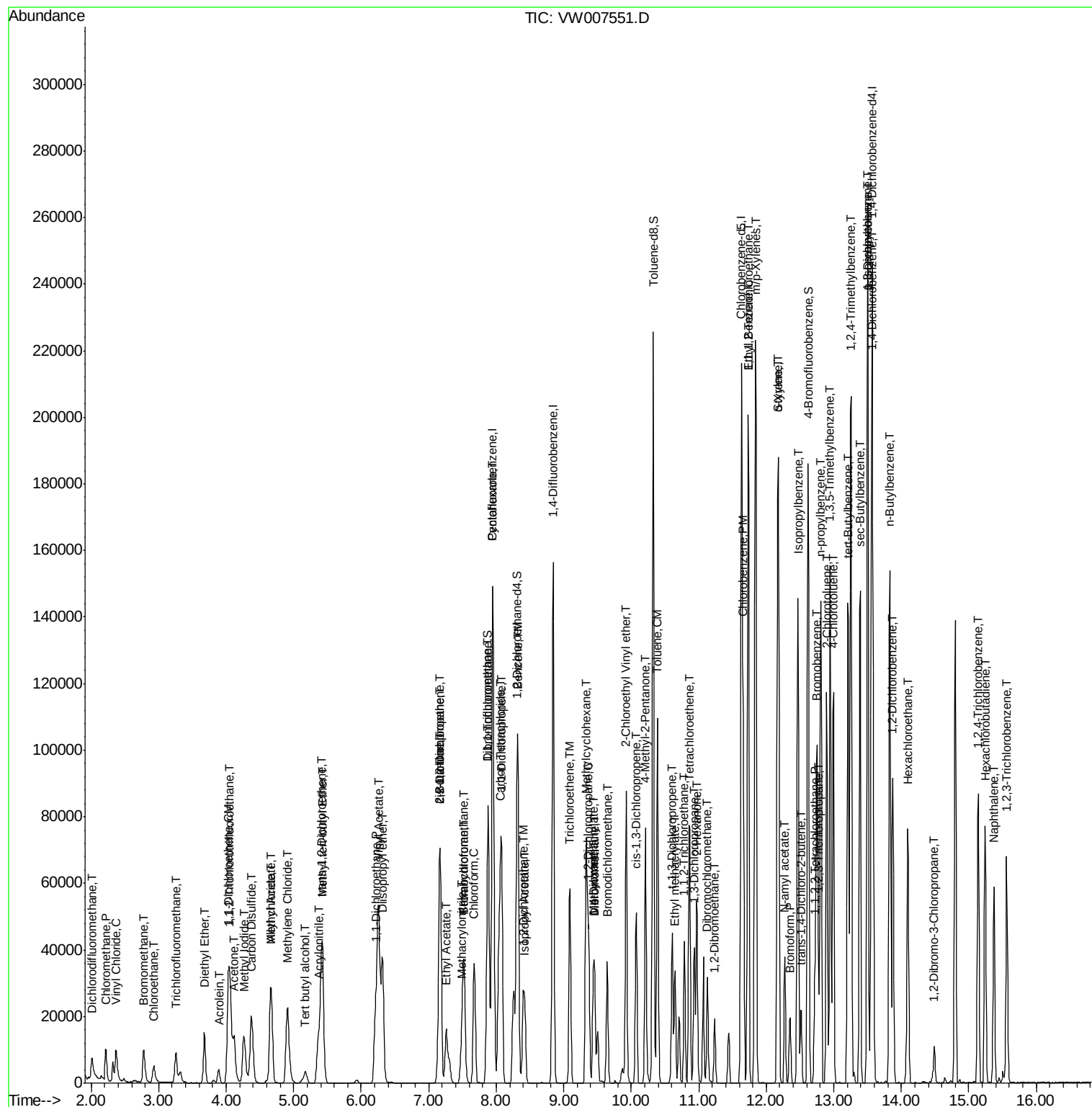
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007551.D
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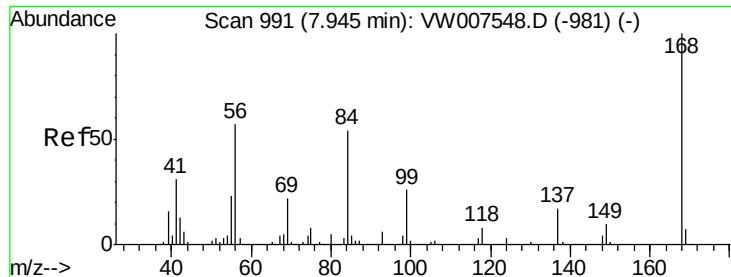
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD02

Tgt Ion:168 Resp: 79507

Ion Ratio Lower Upper

168 100

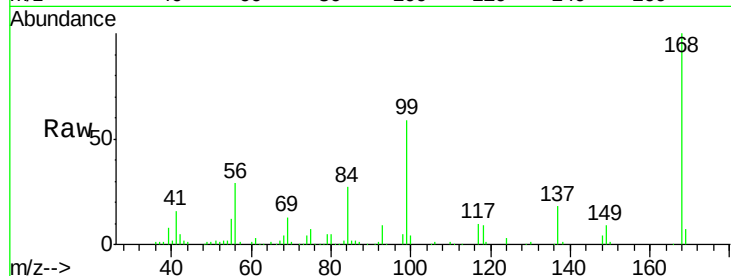
99 59.5 48.3 72.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

20000

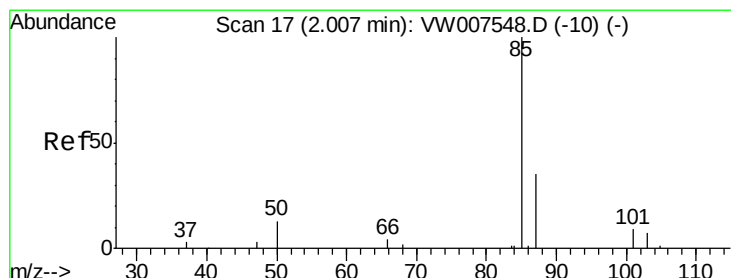
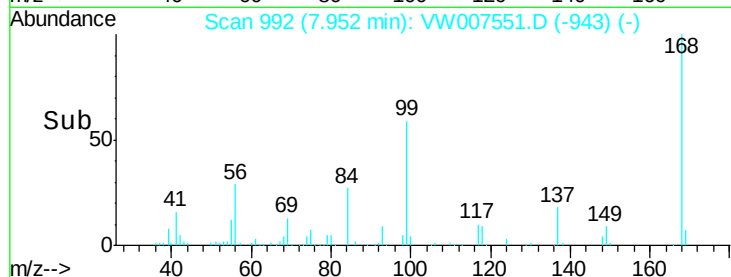
10000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.863 ug/l m

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007551.D

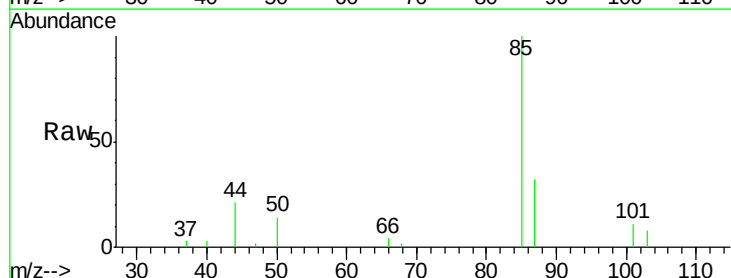
Acq: 15 Dec 2018 00:12

Tgt Ion: 85 Resp: 13258

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

2000

1000

0

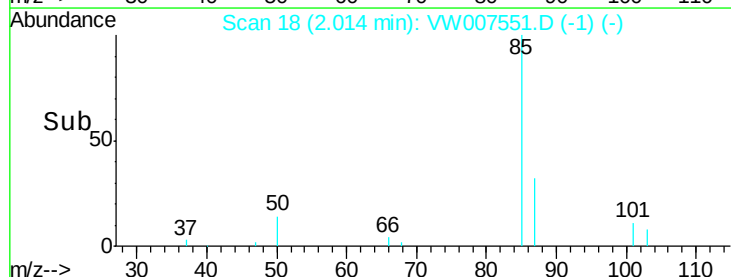
1.90

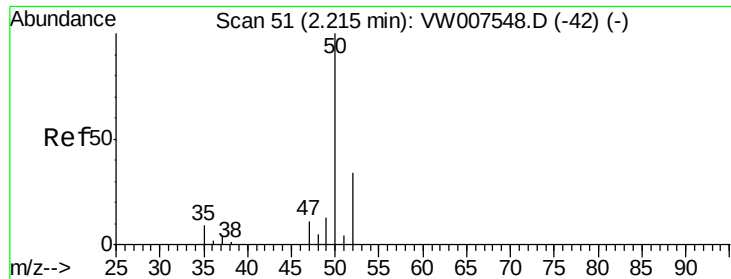
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 21.261 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD02

Tgt Ion: 50 Resp: 9893

Ion Ratio Lower Upper

50 100

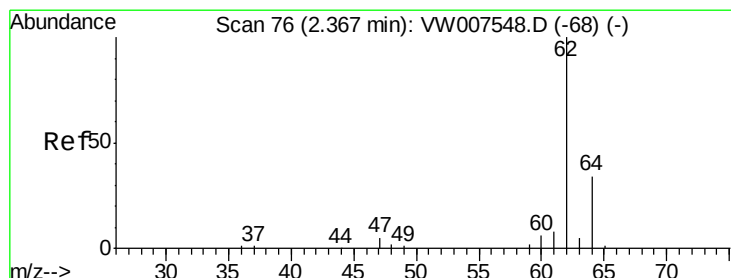
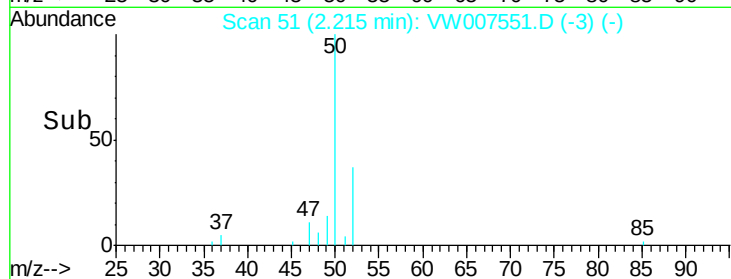
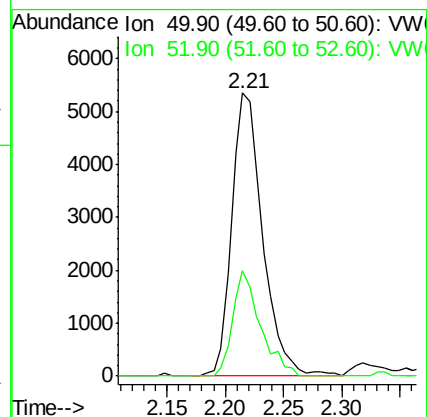
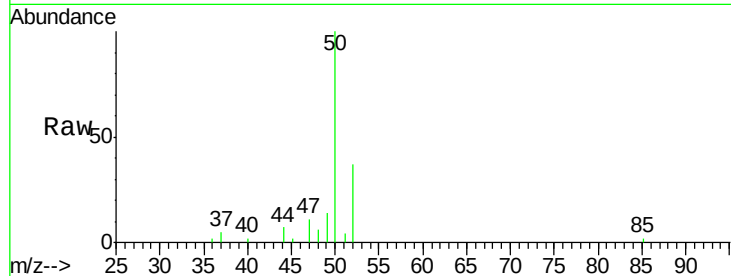
52 37.2 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.093 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007551.D

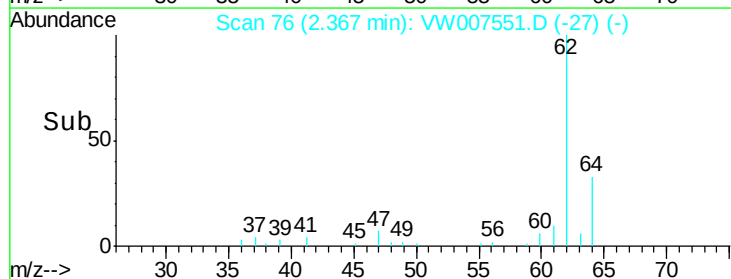
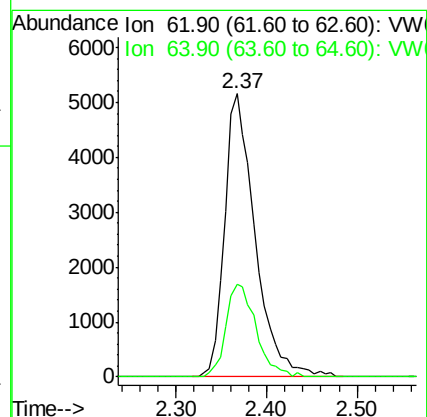
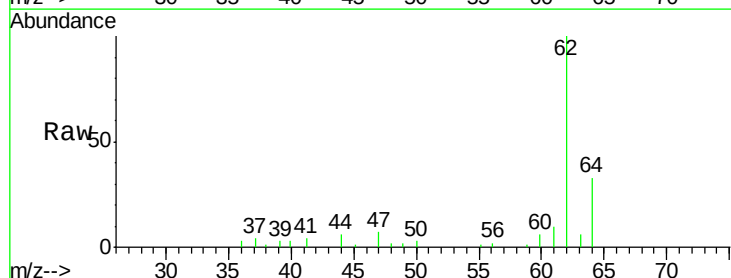
Acq: 15 Dec 2018 00:12

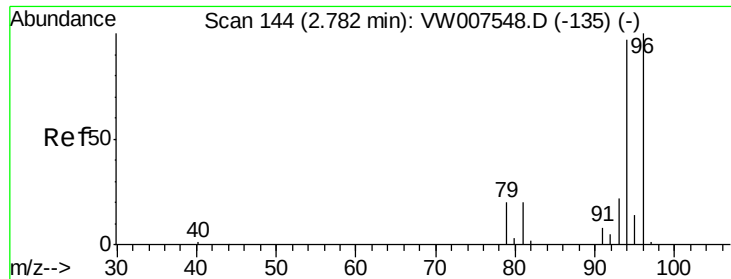
Tgt Ion: 62 Resp: 12064

Ion Ratio Lower Upper

62 100

64 32.5 24.6 37.0





#5

Bromomethane

Concen: 22.925 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS02

Tgt Ion: 94 Resp: 8411

Ion Ratio Lower Upper

94 100

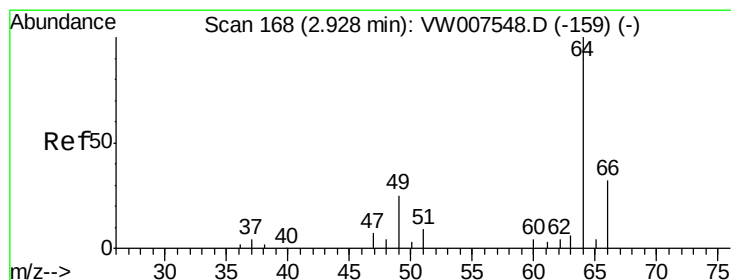
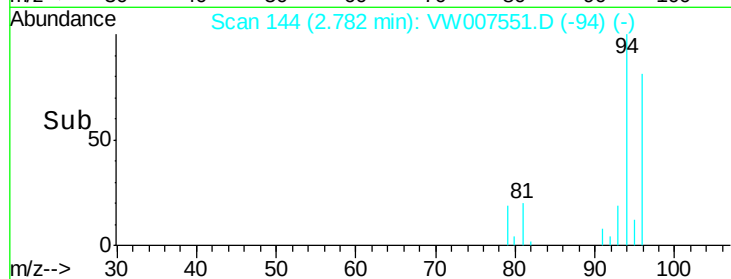
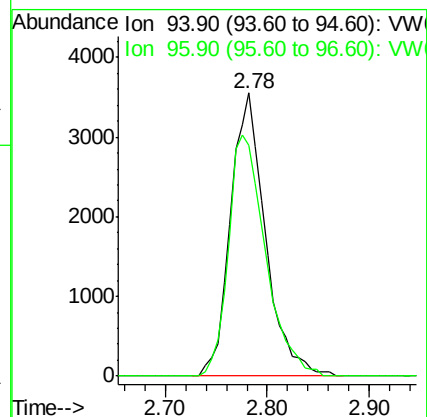
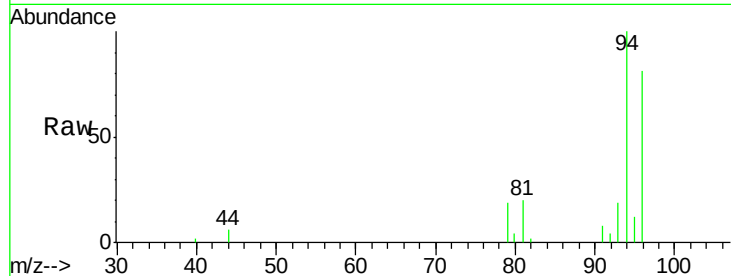
96 81.4 71.0 106.4

Manual Integrations

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#6

Chloroethane

Concen: 21.561 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007551.D

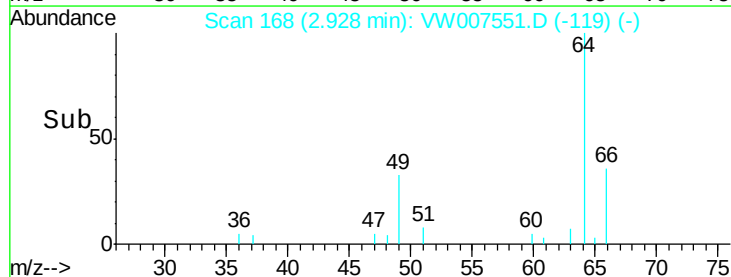
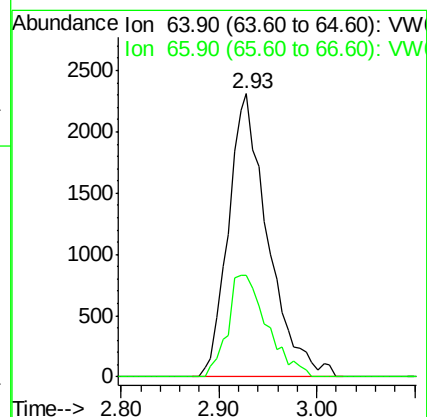
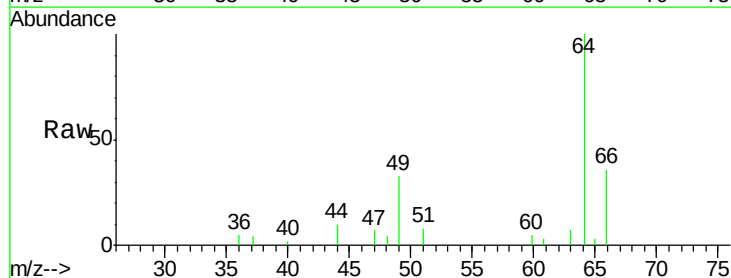
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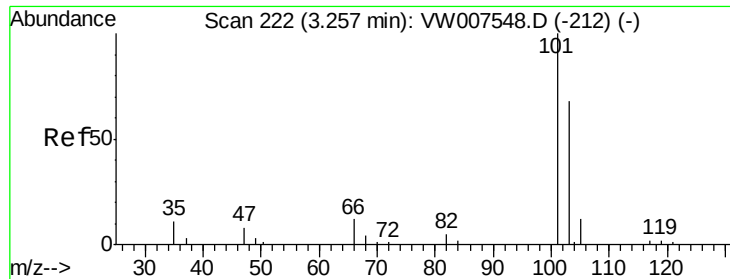
Tgt Ion: 64 Resp: 6481

Ion Ratio Lower Upper

64 100

66 35.8 24.6 37.0





#7

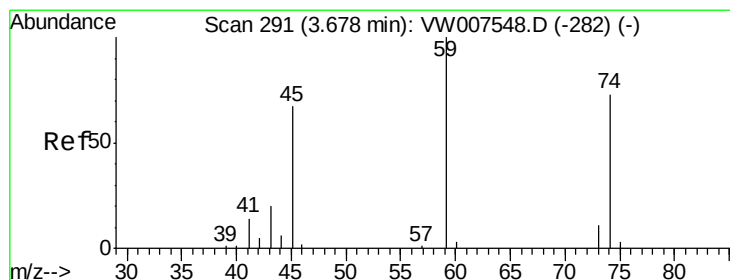
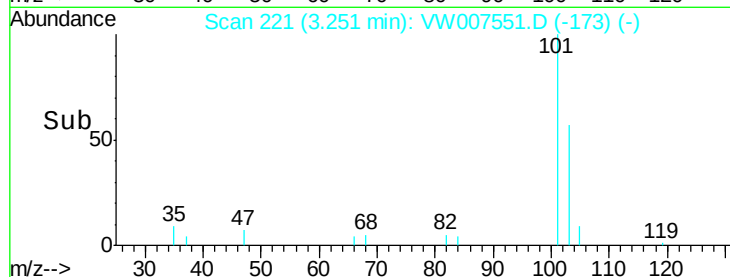
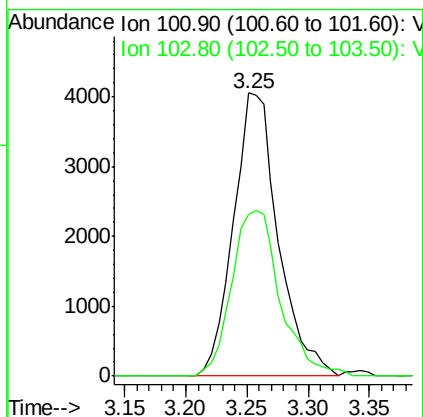
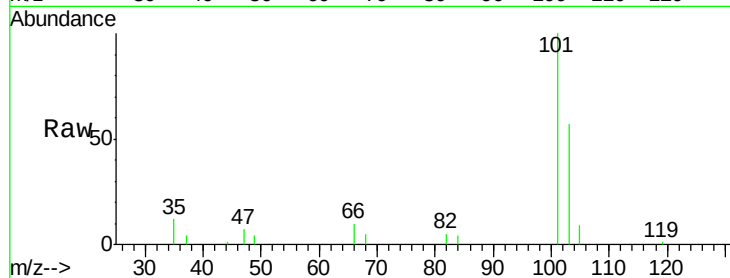
Trichlorofluoromethane
Concen: 21.031 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion: 101 Resp: 10325
Ion Ratio Lower Upper
101 100
103 57.4 51.7 77.5

Manual Integrations
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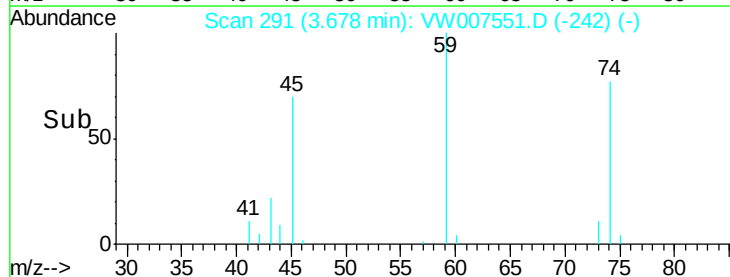
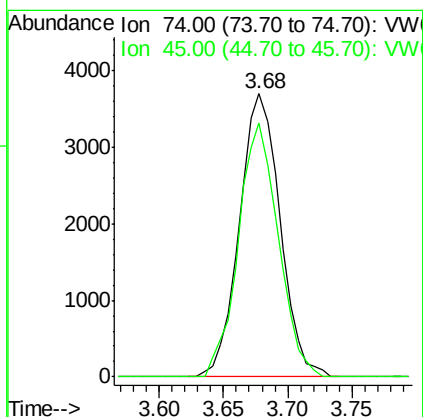
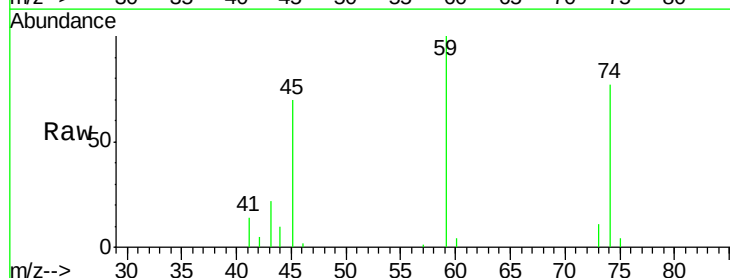
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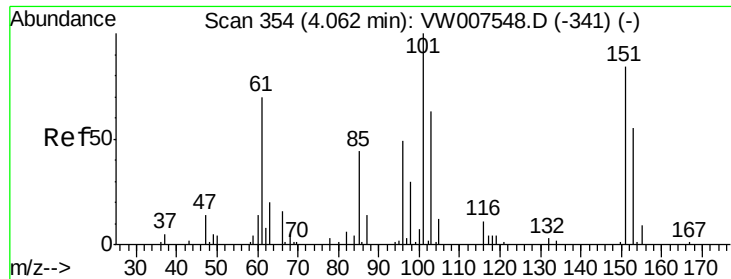


#8

Diethyl Ether
Concen: 21.070 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 74 Resp: 8096
Ion Ratio Lower Upper
74 100
45 88.0 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.719 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

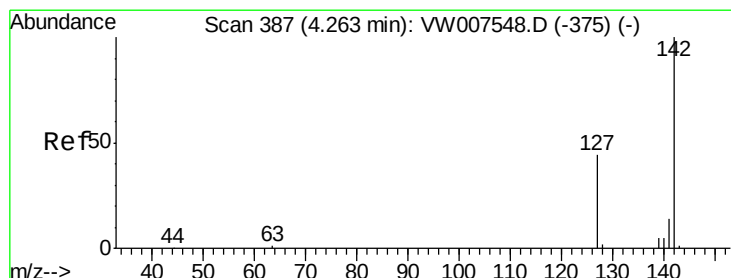
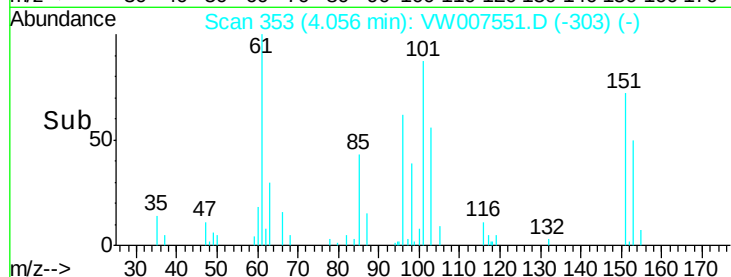
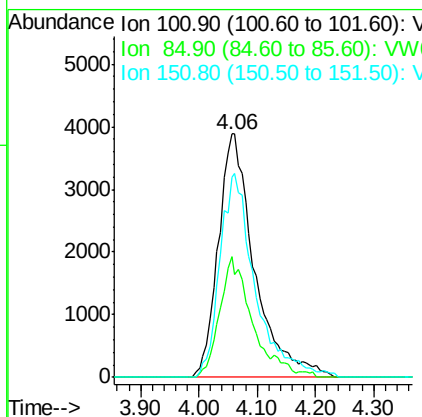
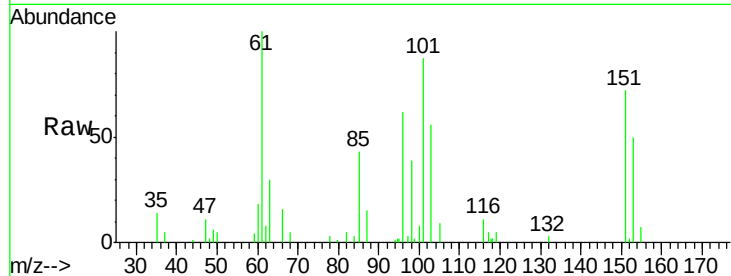
ClientSampleId :

VW1217SBS02

Tgt Ion:	101	Resp:	16784
Ion Ratio	Lower	Upper	
101	100		
85	44.2	33.9	50.9
151	80.8	63.7	95.5

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#10

Methyl Iodide

Concen: 20.870 ug/l

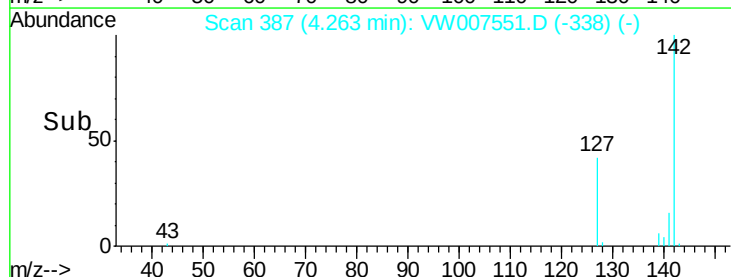
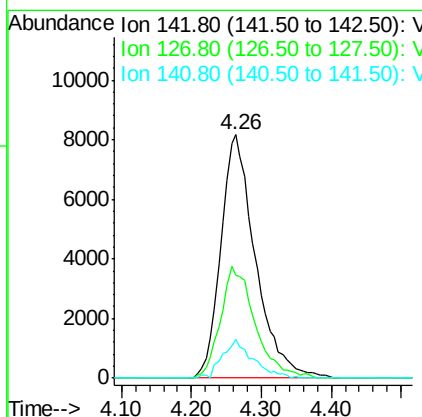
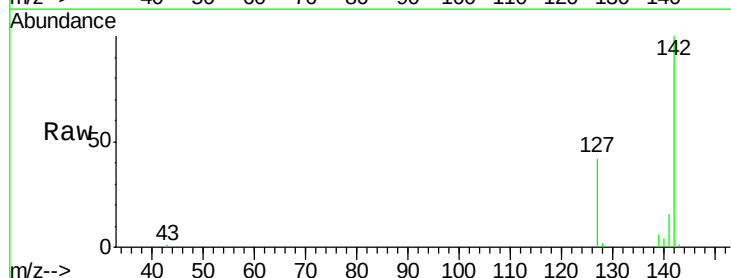
RT: 4.26 min Scan# 387

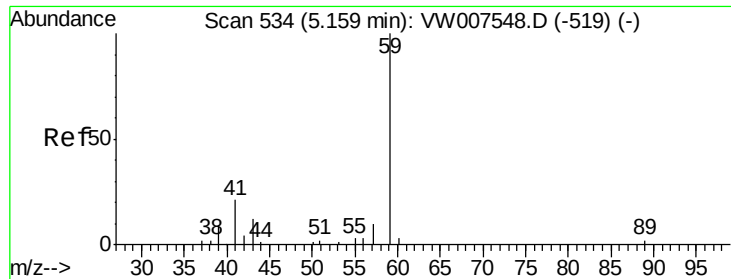
Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Tgt Ion:	142	Resp:	28000
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.8	53.6
141	14.1	11.1	16.7





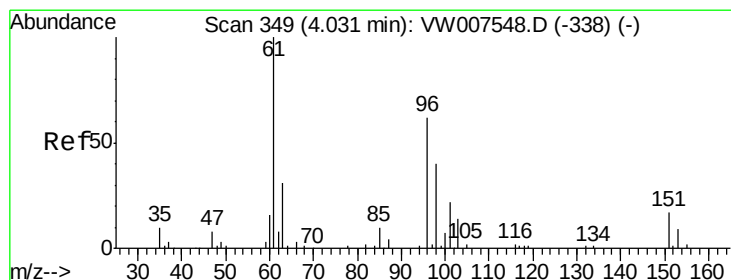
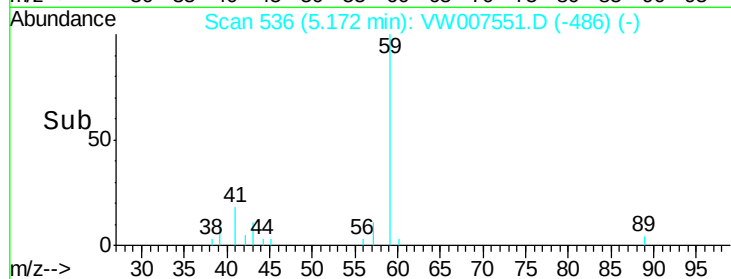
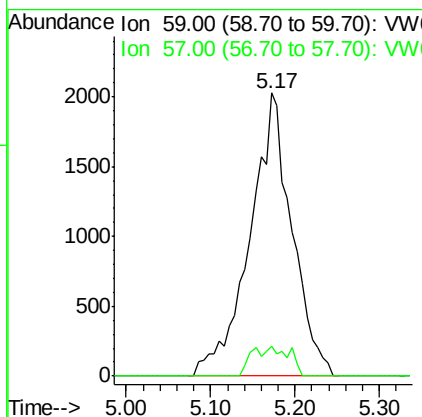
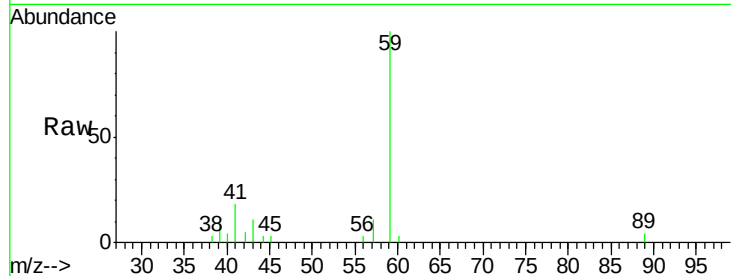
#11
Tert butyl alcohol
Concen: 114.462 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion: 59 Resp: 6934
Ion Ratio Lower Upper
59 100
57 3.1 7.6 11.4#

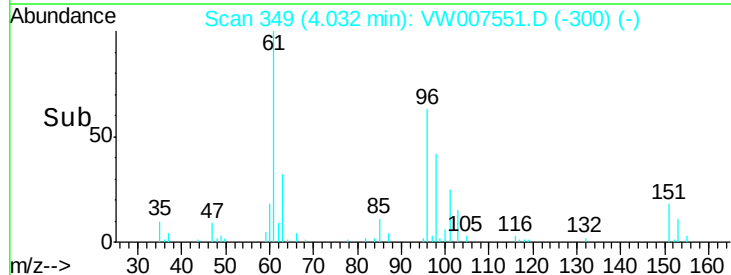
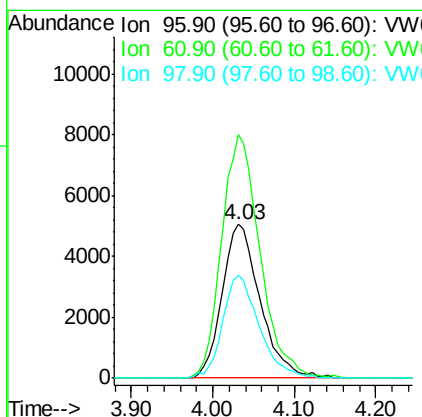
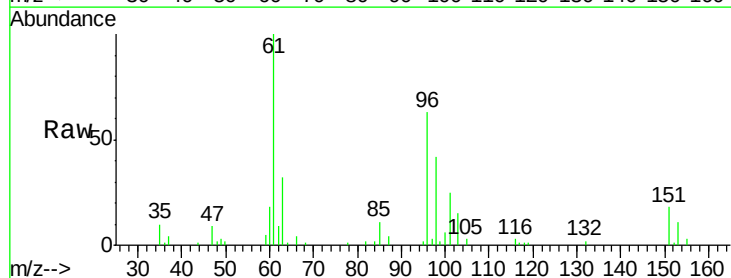
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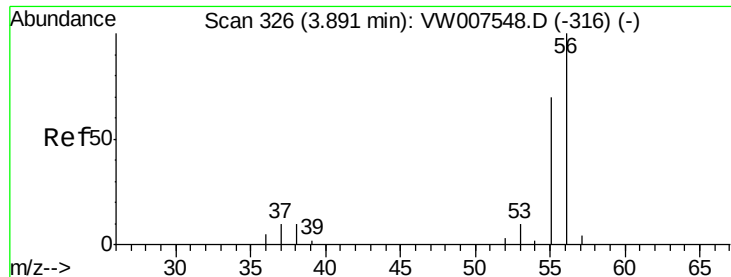
sam
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#12
1,1-Dichloroethene
Concen: 20.891 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 96 Resp: 16294
Ion Ratio Lower Upper
96 100
61 158.7 126.2 189.2
98 66.9 48.3 72.5





#13

Acrolein

Concen: 111.538 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS02

Tgt Ion: 56 Resp: 4471

Ion Ratio Lower Upper

56 100

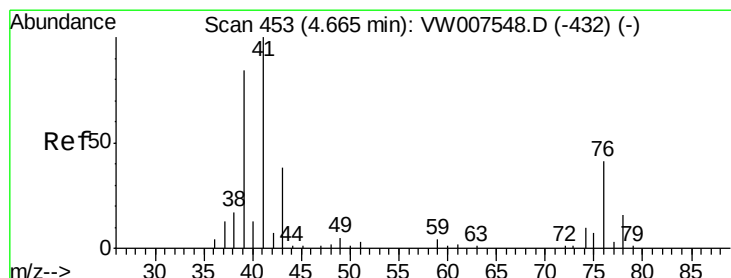
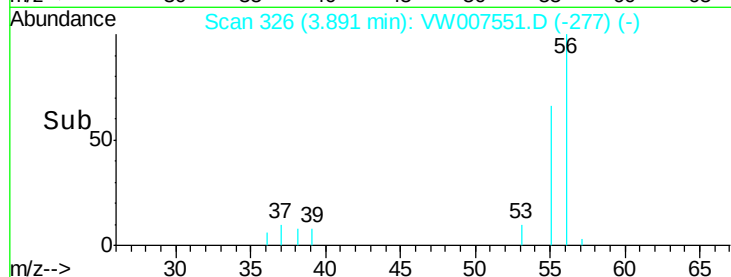
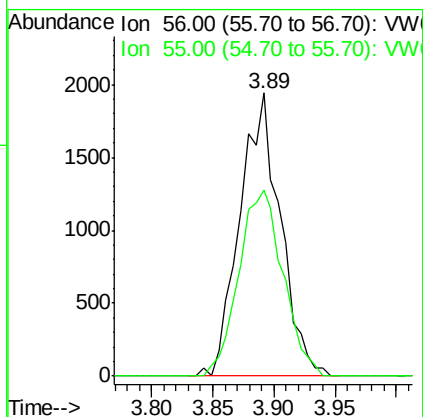
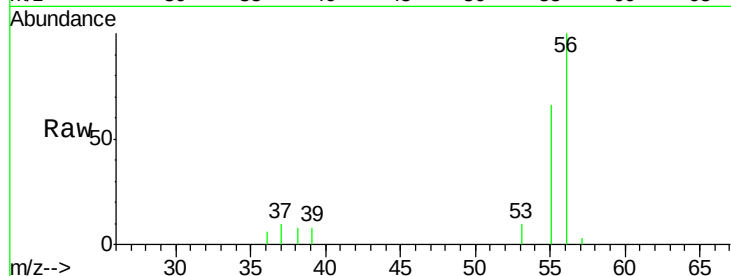
55 71.9 57.4 86.2

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#14

Allyl chloride

Concen: 19.779 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

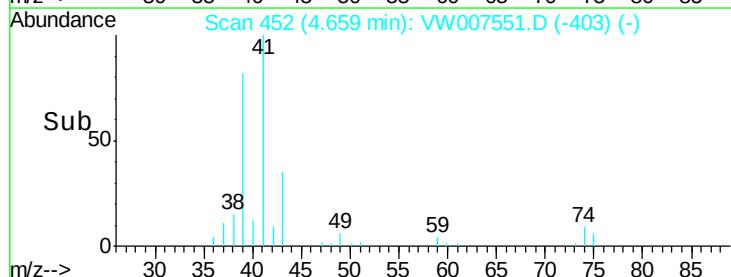
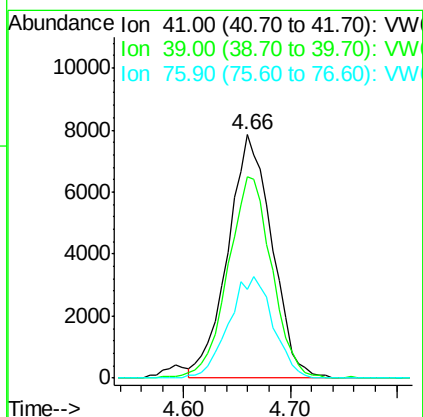
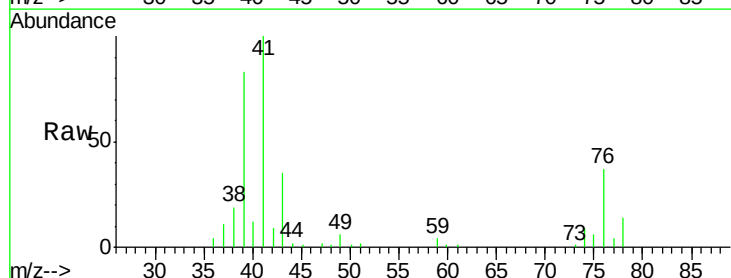
Tgt Ion: 41 Resp: 22739

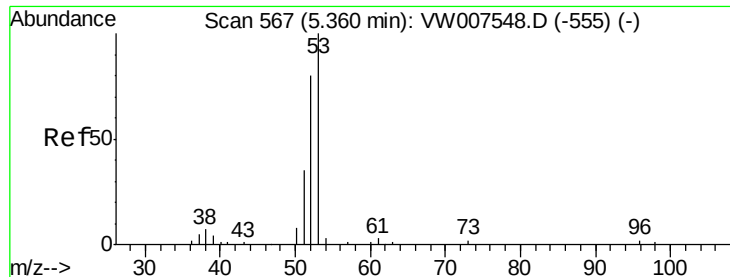
Ion Ratio Lower Upper

41 100

39 82.4 63.4 95.2

76 42.0 32.1 48.1





#15

Acrylonitrile

Concen: 107.450 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

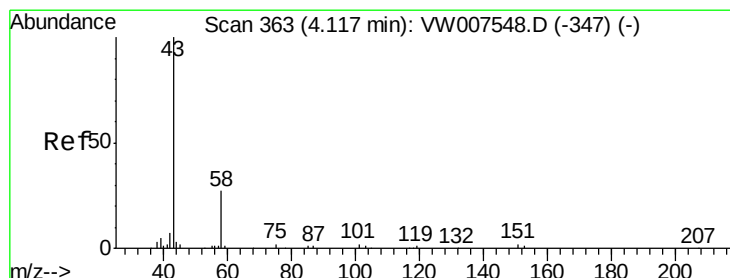
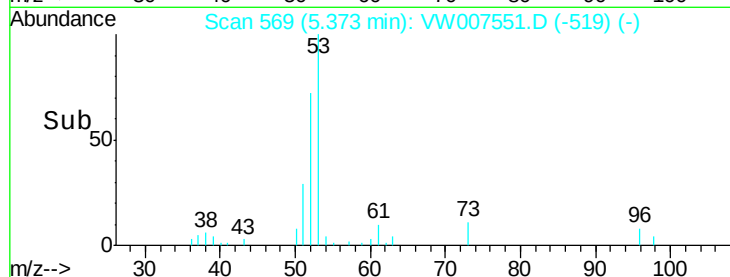
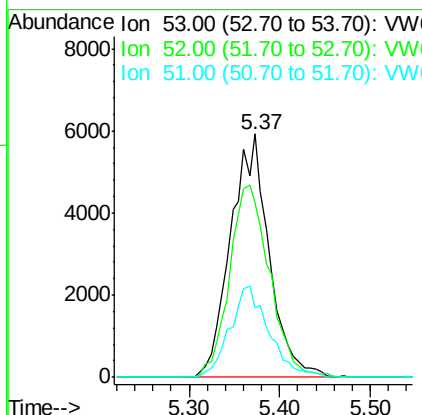
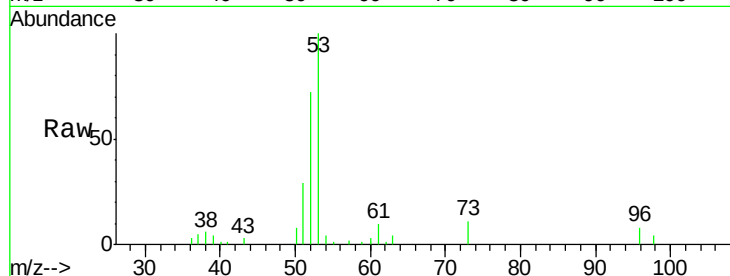
ClientSampleId :

VW1217SBSD02

Tgt Ion:	53	Resp:	17405
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.4	101.2
51	38.0	30.2	45.2

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#16

Acetone

Concen: 105.971 ug/l

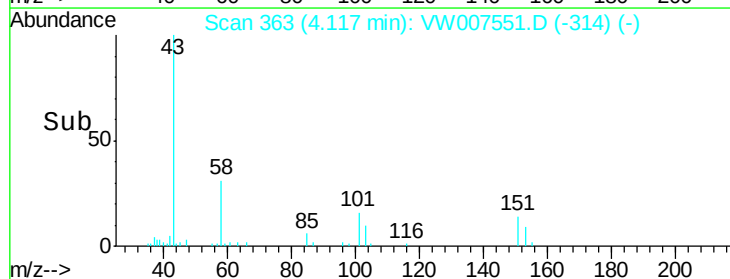
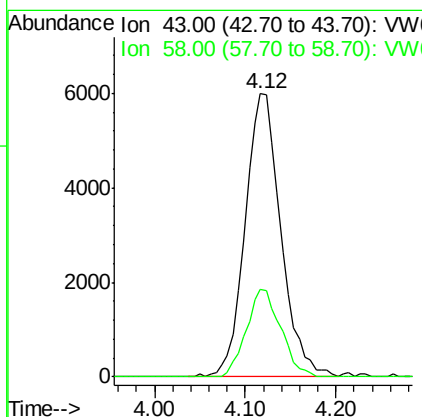
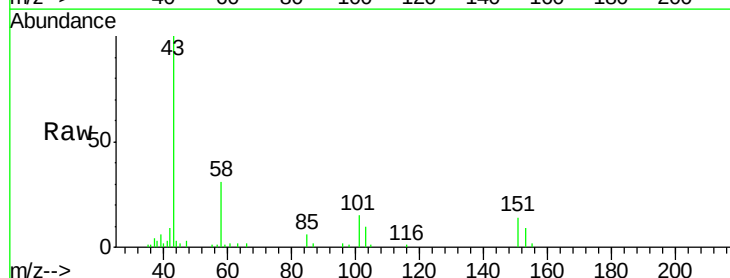
RT: 4.12 min Scan# 363

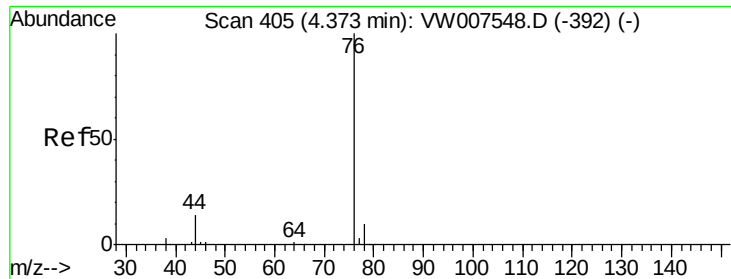
Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Tgt Ion:	43	Resp:	16327
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.9	37.3





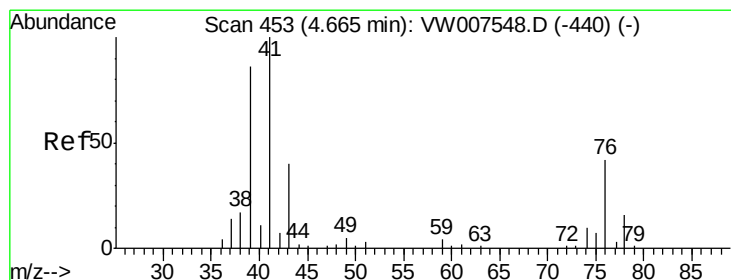
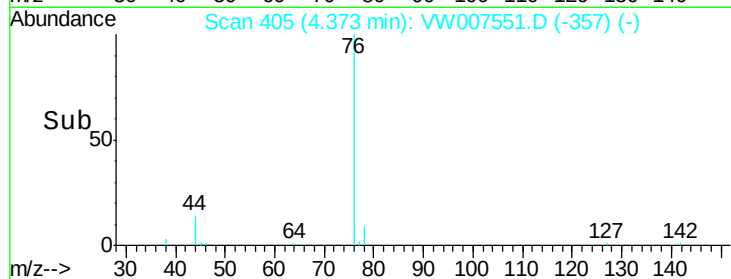
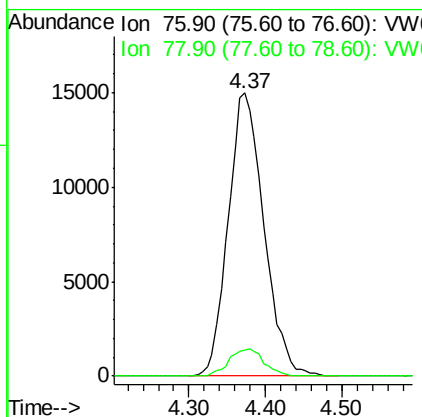
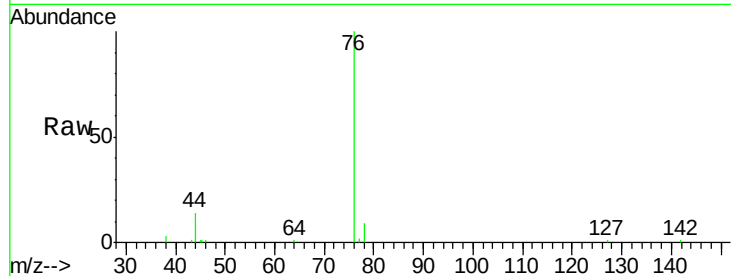
#17
Carbon Disulfide
Concen: 20.462 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion: 76 Resp: 48390
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

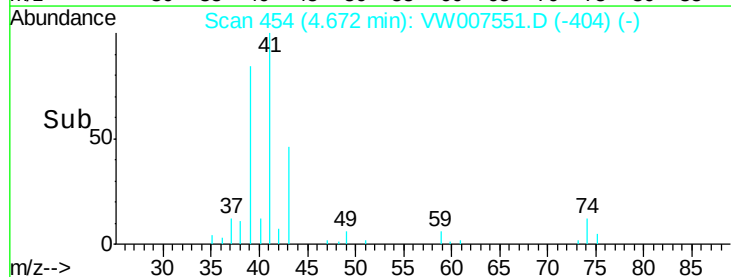
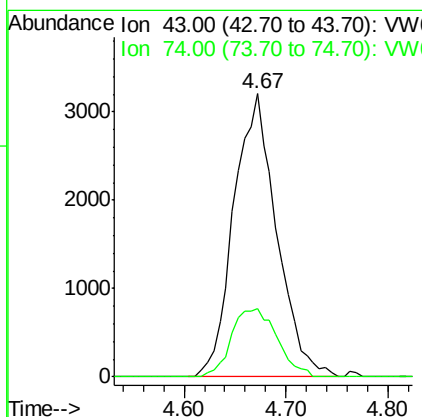
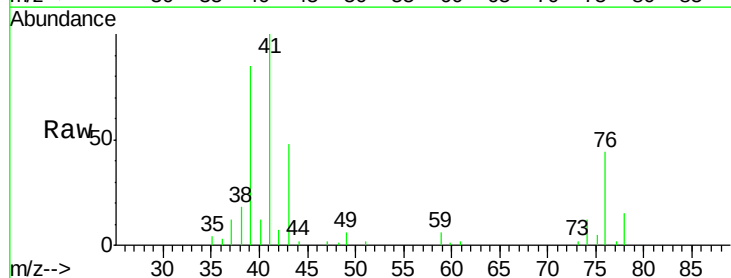
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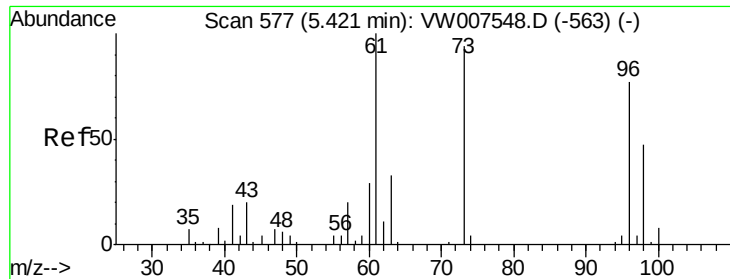
sam
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#18
Methyl Acetate
Concen: 22.400 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 43 Resp: 9367
Ion Ratio Lower Upper
43 100
74 25.6 21.1 31.7





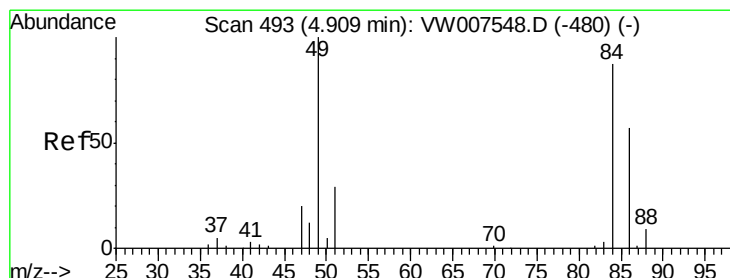
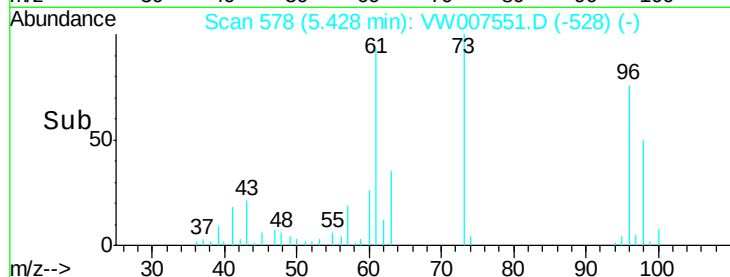
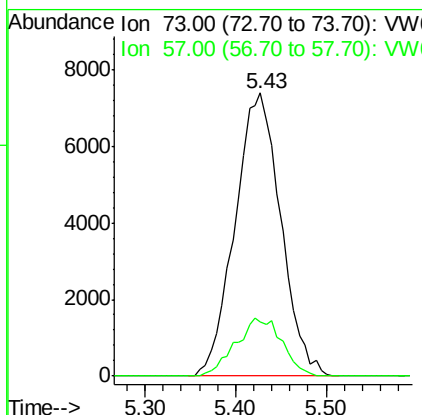
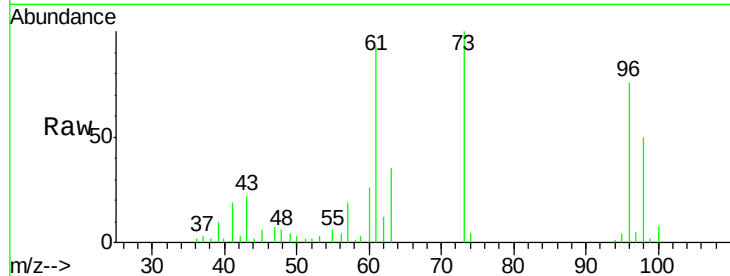
#19
Methyl tert-butyl Ether
Concen: 21.963 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion: 73 Resp: 25841
Ion Ratio Lower Upper
73 100
57 19.1 16.4 24.6

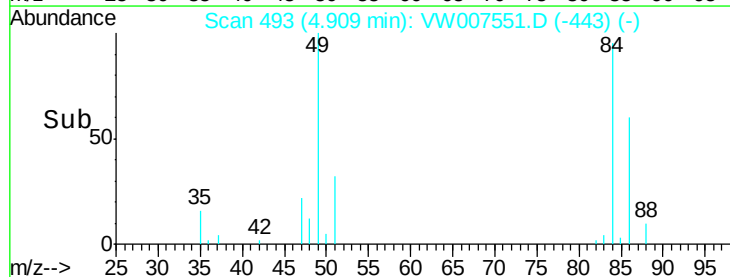
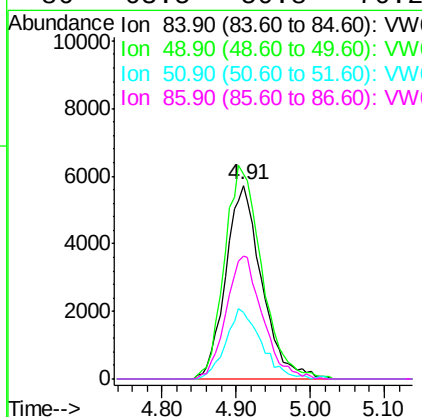
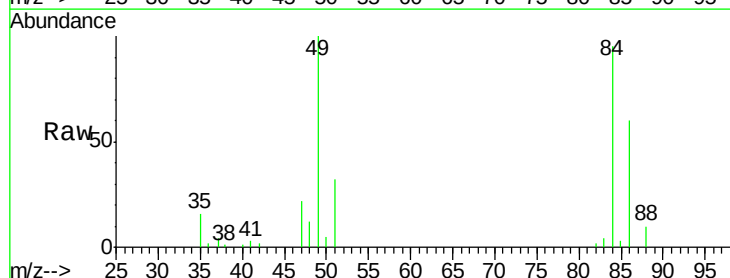
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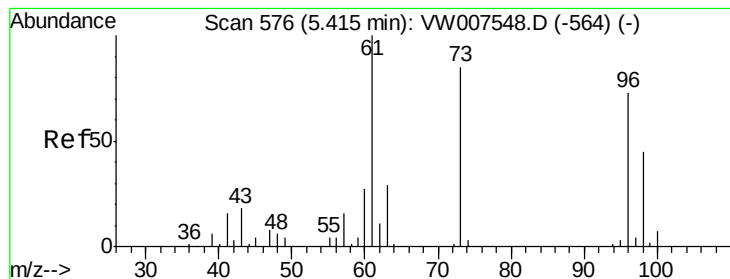
sam
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#20
Methylene Chloride
Concen: 20.727 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 84 Resp: 19396
Ion Ratio Lower Upper
84 100
49 105.8 87.1 130.7
51 34.2 28.2 42.2
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.779 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

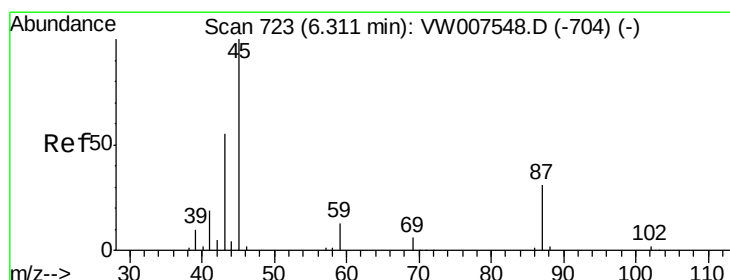
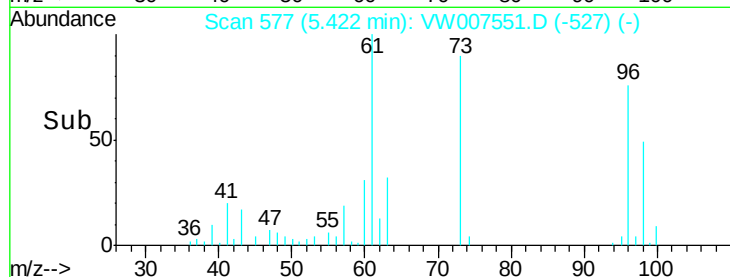
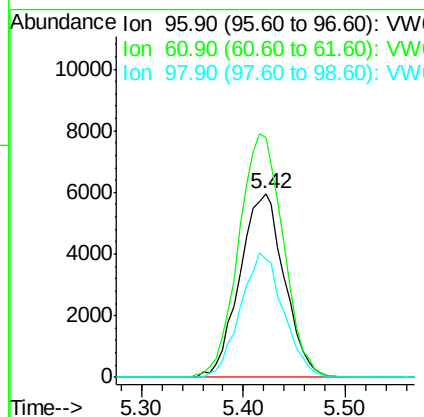
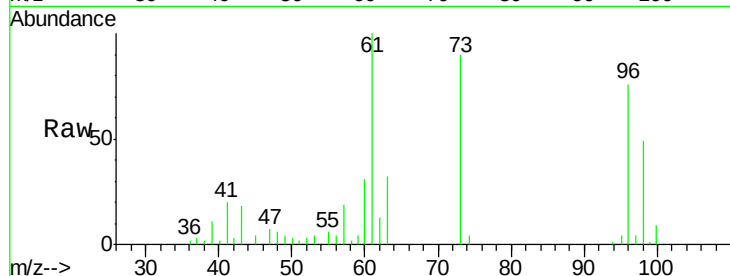
ClientSampleId :

VW1217SBSD02

Tgt Ion:	96	Resp:	18129
Ion	Ratio	Lower	Upper
96	100		
61	130.8	105.0	157.6
98	64.4	49.7	74.5

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#22

Diisopropyl ether

Concen: 20.966 ug/l

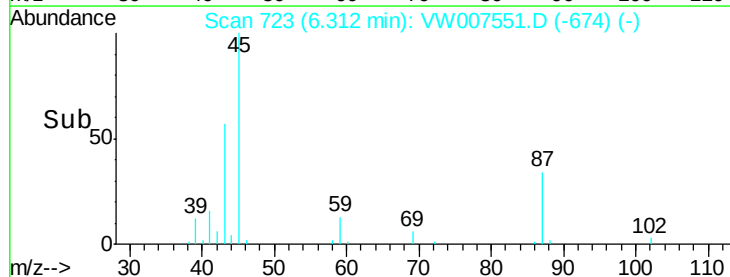
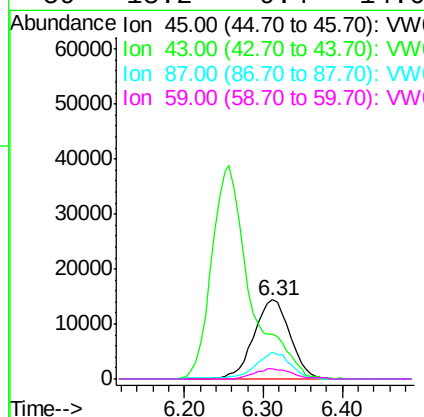
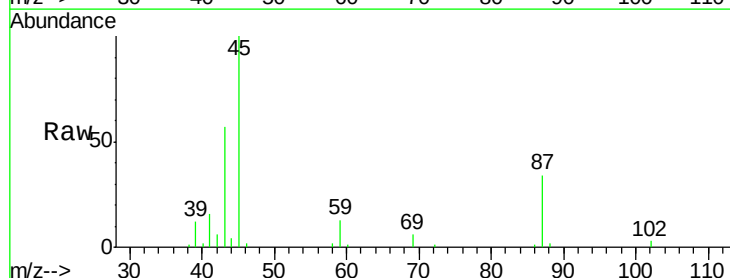
RT: 6.31 min Scan# 723

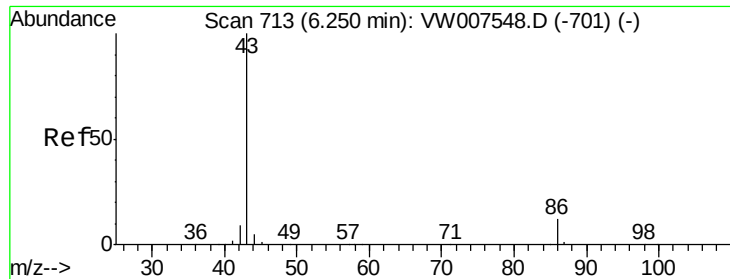
Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Tgt Ion:	45	Resp:	46330
Ion	Ratio	Lower	Upper
45	100		
43	56.3	41.6	62.4
87	33.6	24.3	36.5
59	13.2	9.4	14.0





#23

Vinyl Acetate

Concen: 105.957 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD02

Tgt Ion: 43 Resp: 130964

Ion Ratio Lower Upper

43 100

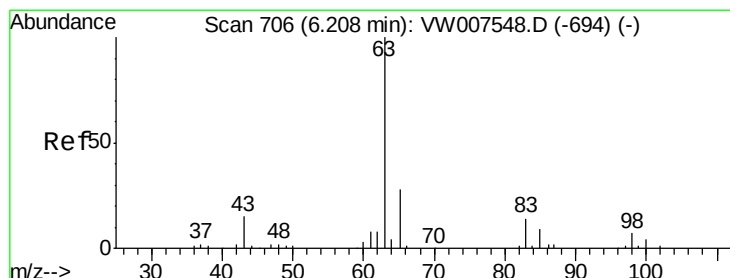
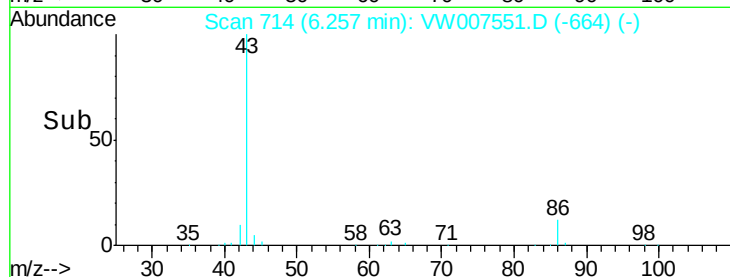
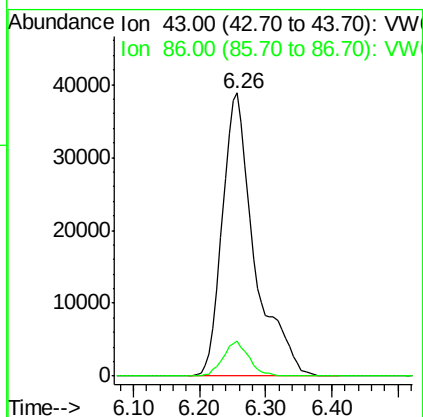
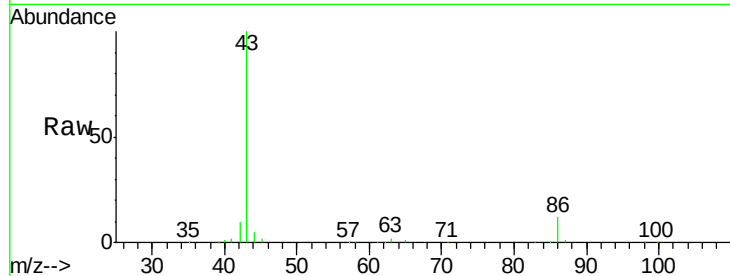
86 12.4 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 20.233 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

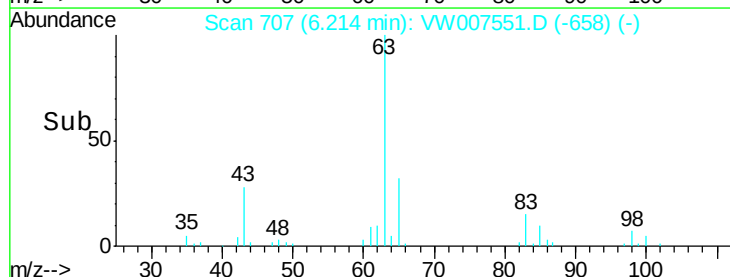
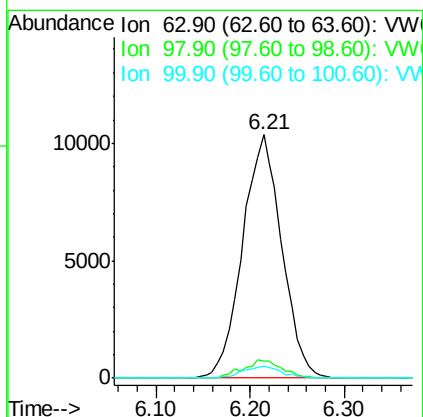
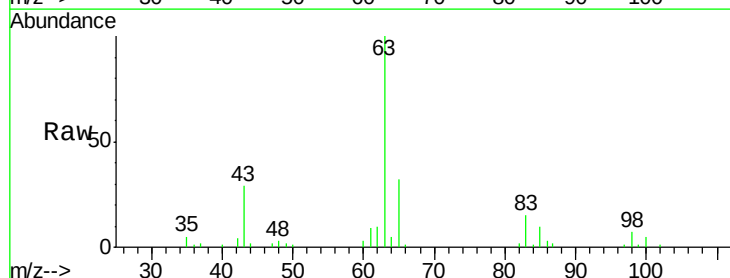
Tgt Ion: 63 Resp: 30218

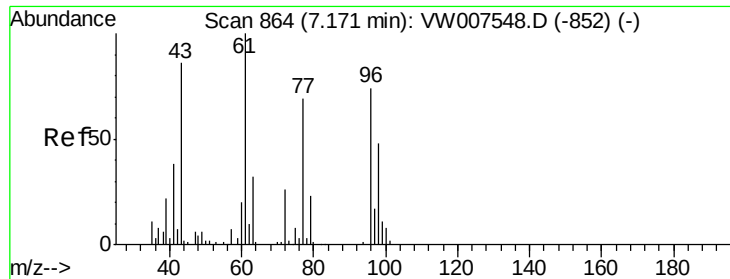
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 109.406 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS02

Tgt Ion: 43 Resp: 22006

Ion Ratio Lower Upper

43 100

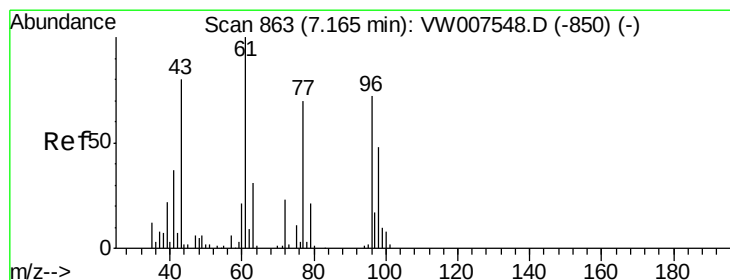
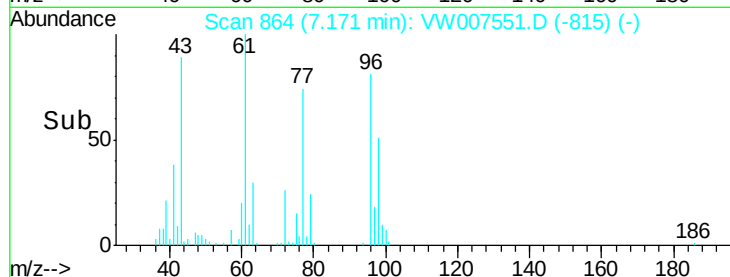
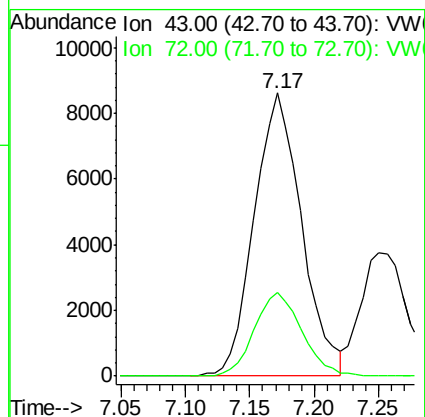
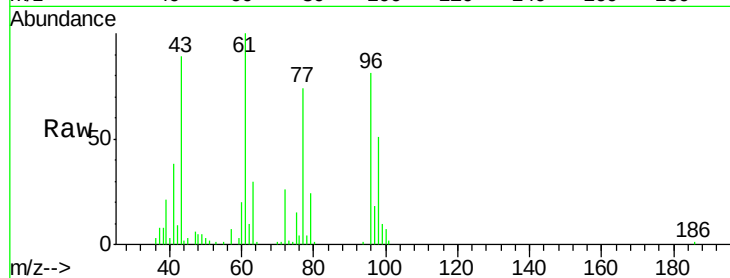
72 29.8 23.4 35.2

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#26

2,2-Dichloropropane

Concen: 21.493 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007551.D

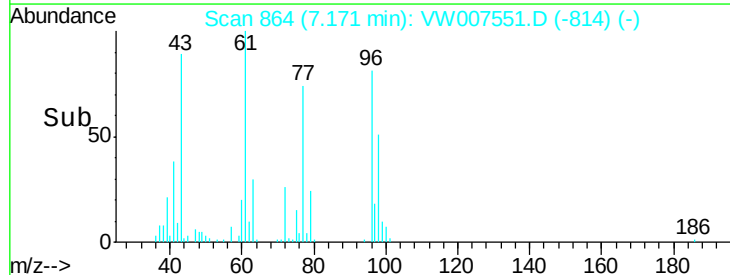
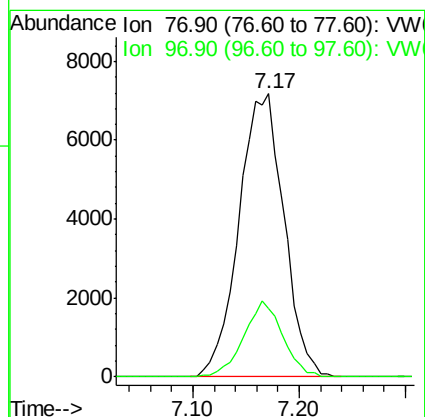
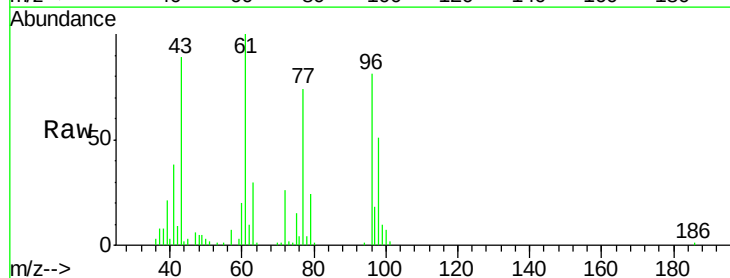
Acq: 15 Dec 2018 00:12

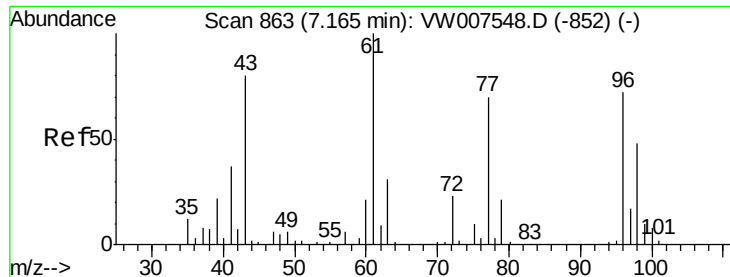
Tgt Ion: 77 Resp: 21244

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8





#27

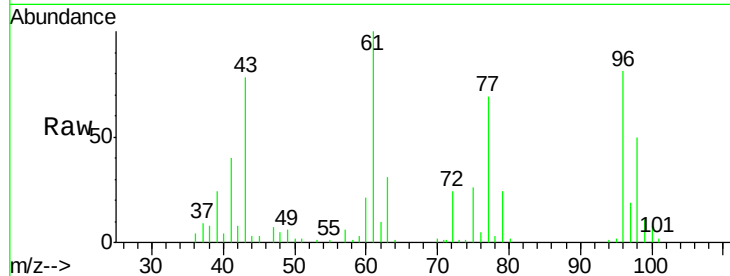
cis-1,2-Dichloroethene
Concen: 21.431 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

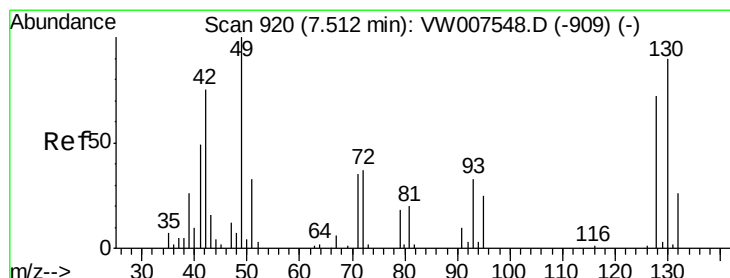
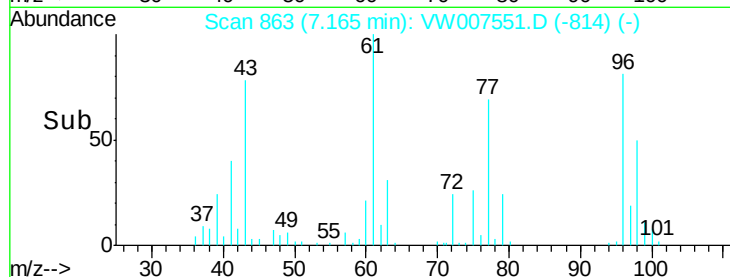
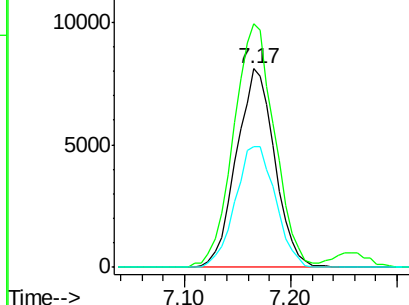
Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	268.4
98	63.8	0.0	127.8

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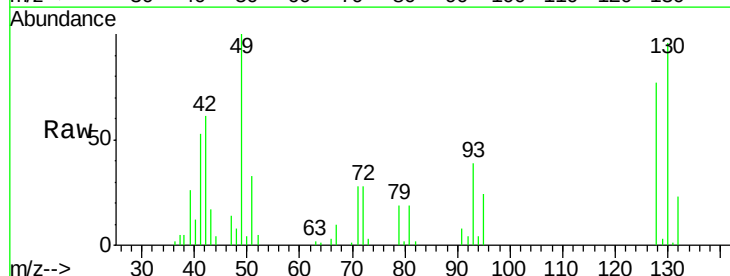
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



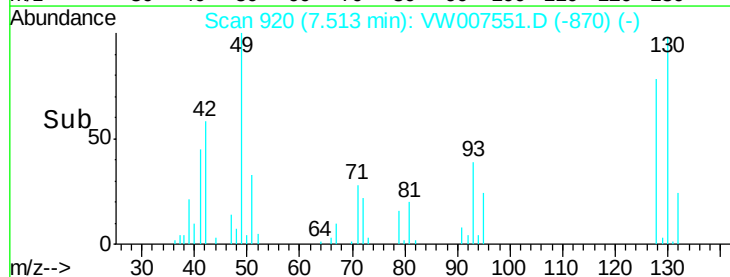
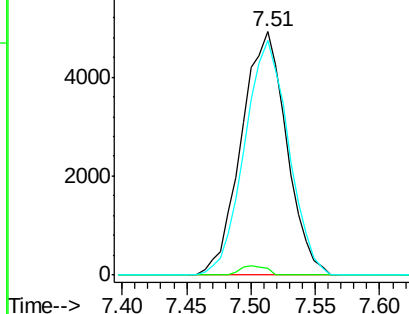
#28

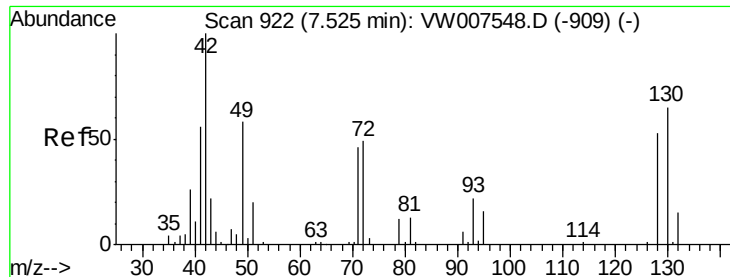
Bromochloromethane
Concen: 21.243 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.6
130	94.1	75.9	113.9



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





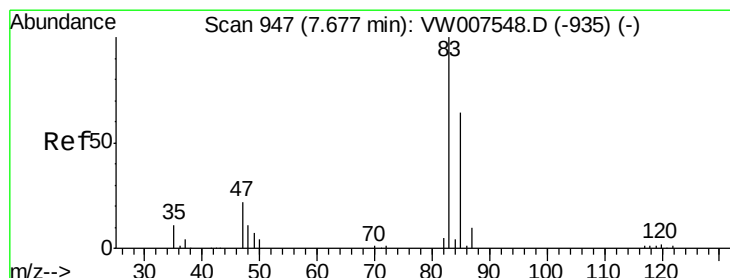
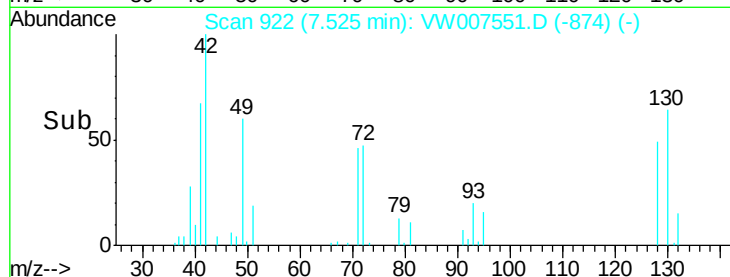
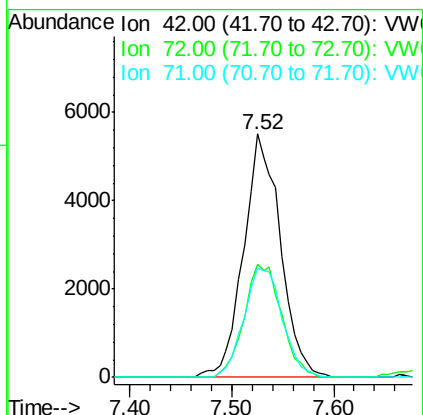
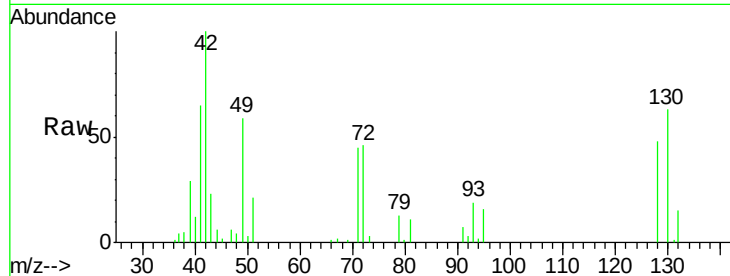
#29
Tetrahydrofuran
Concen: 108.352 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.3	38.2	57.4
71	47.0	35.5	53.3

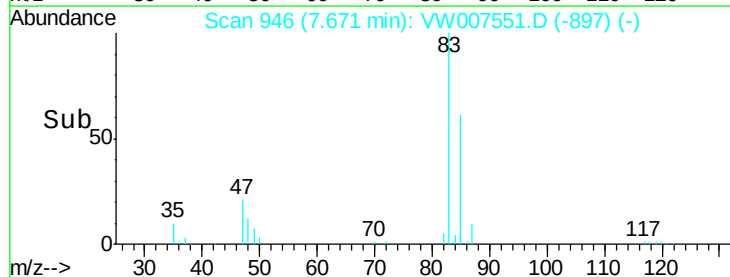
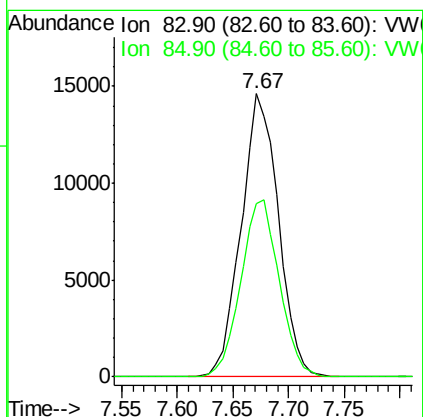
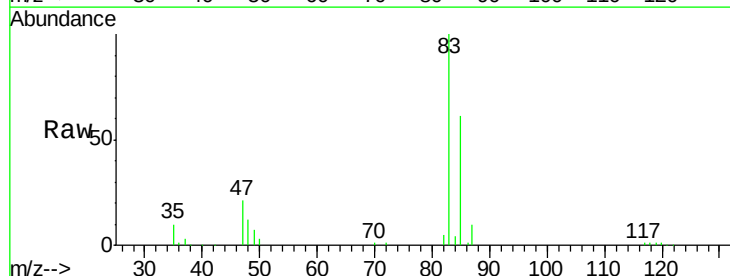
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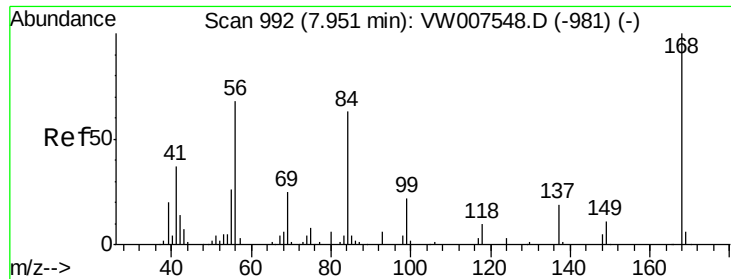
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#30
Chloroform
Concen: 20.950 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.8	77.8





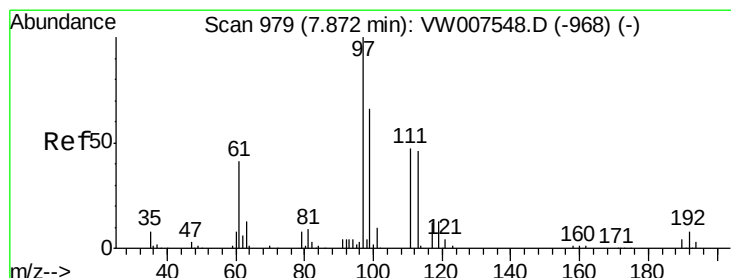
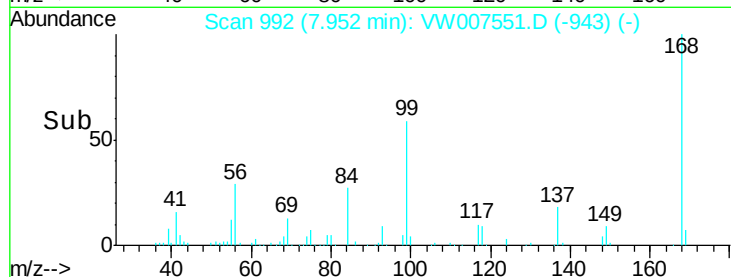
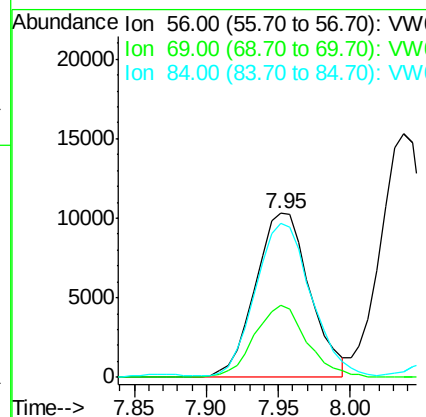
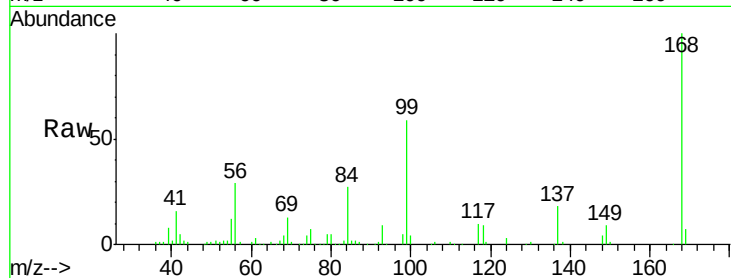
#31
Cyclohexane
Concen: 19.788 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	44.0	28.9	43.3#
84	93.5	71.8	107.6

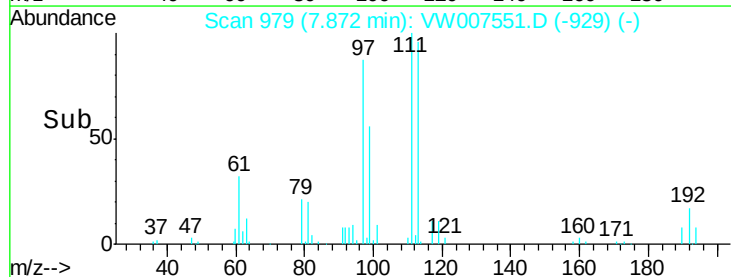
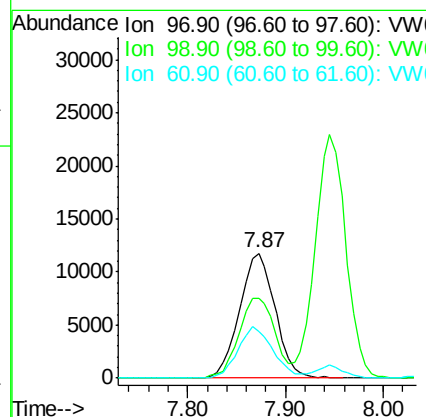
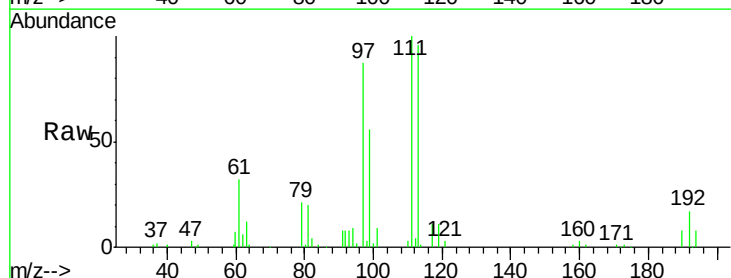
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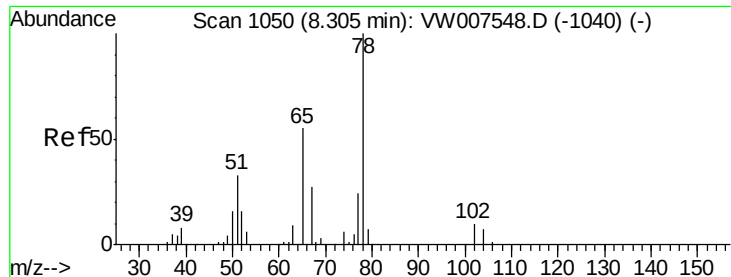
sam
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#32
1,1,1-Trichloroethane
Concen: 20.708 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	40.8	33.2	49.8





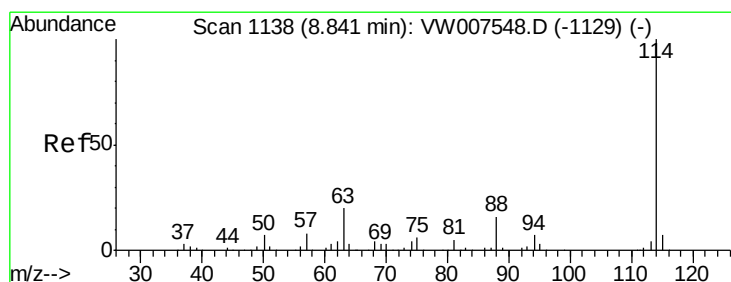
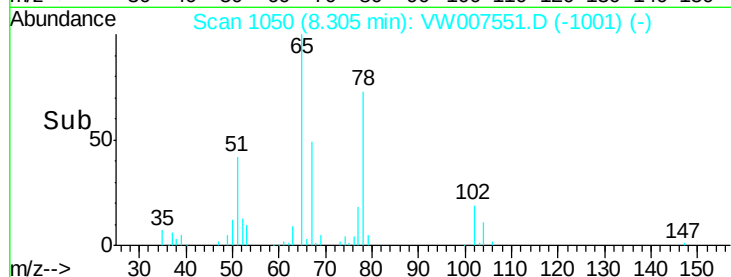
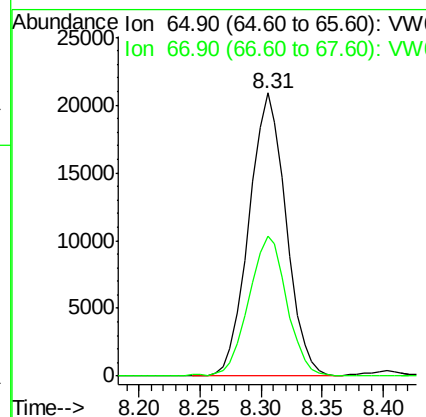
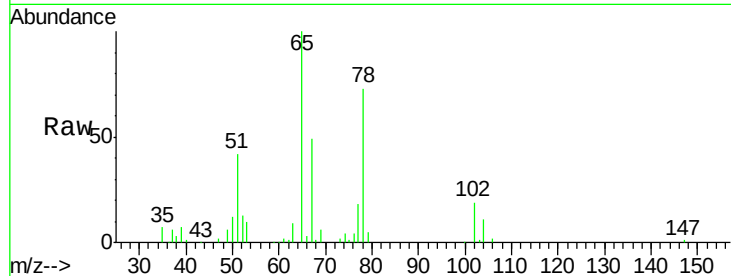
#33
 1,2-Dichloroethane-d4
 Concen: 50.030 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD02

Tgt Ion: 65 Resp: 44130
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.6

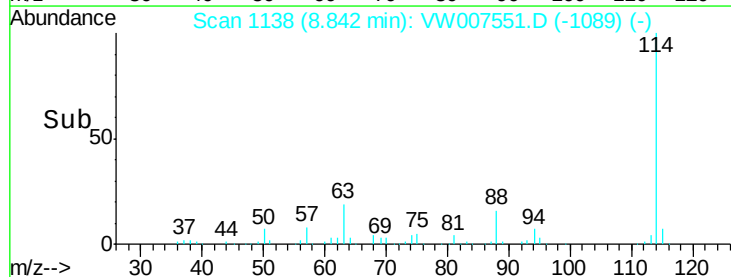
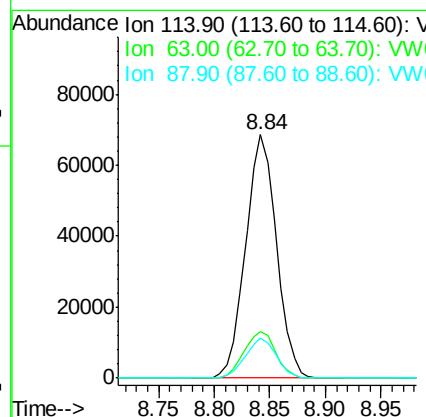
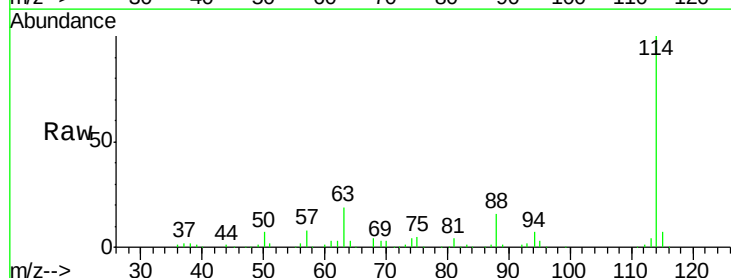
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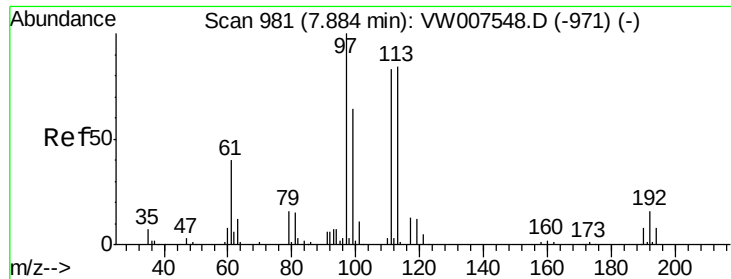
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion: 114 Resp: 132090
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.235 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

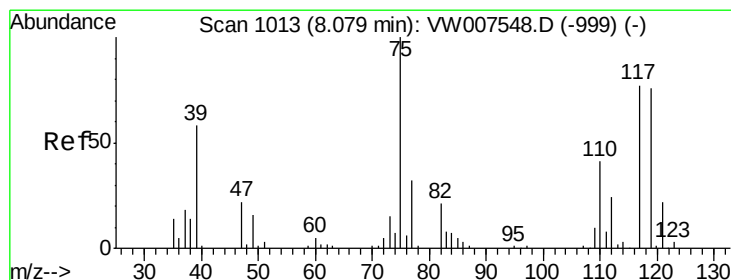
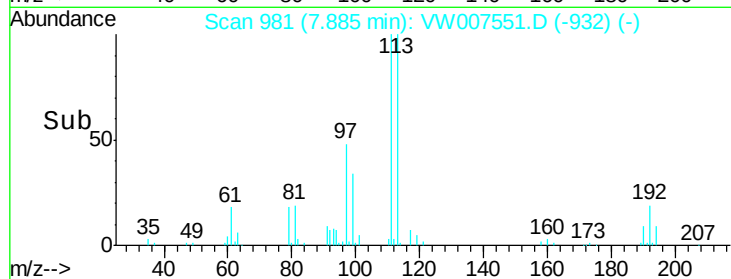
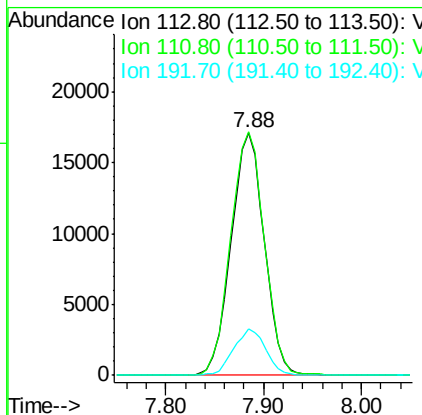
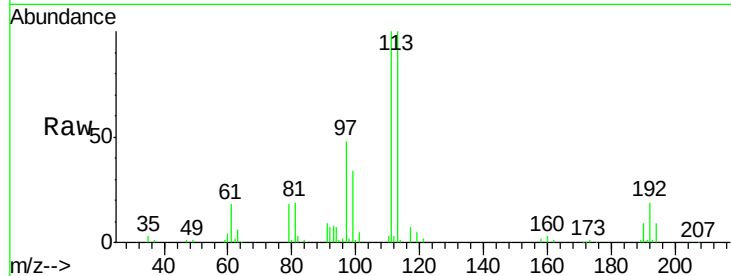
ClientSampleId :

VW1217SBS02

Tgt Ion:	113	Resp:	40168
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.1	121.7
192	18.5	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 21.502 ug/l

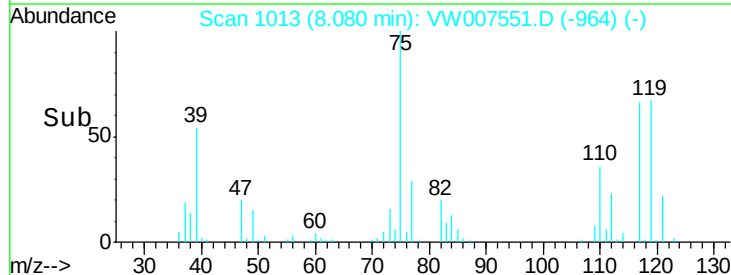
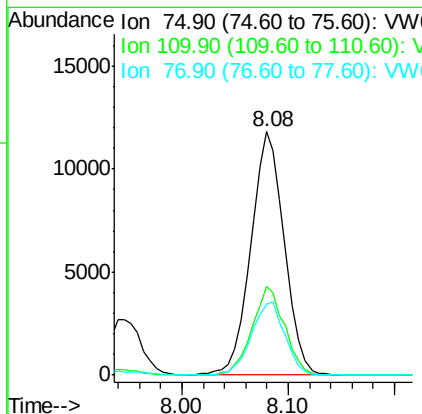
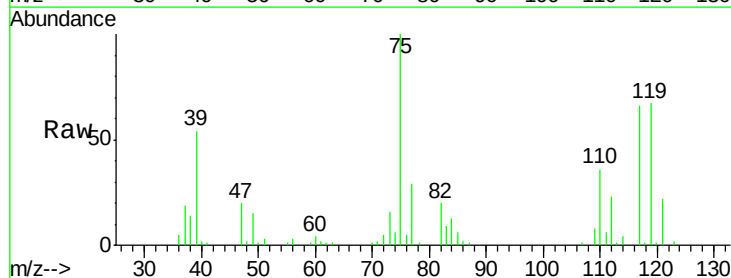
RT: 8.08 min Scan# 1013

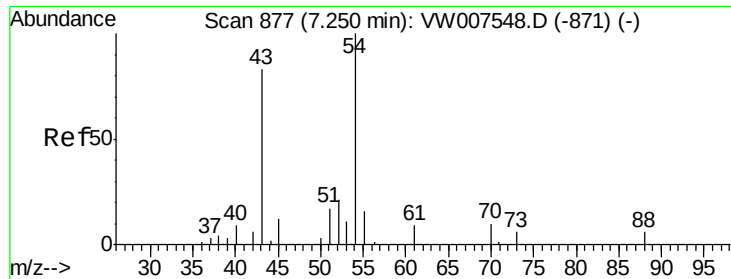
Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Tgt Ion:	75	Resp:	25909
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.5	55.5
77	30.1	25.6	38.4





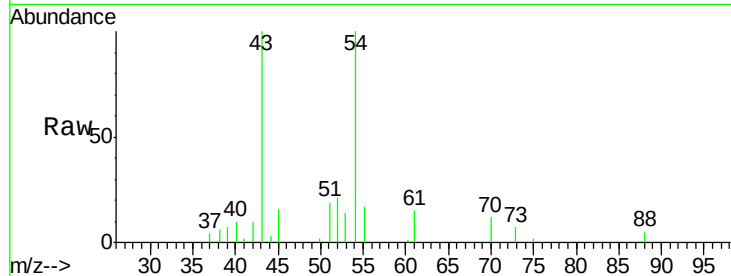
#37
Ethyl Acetate
Concen: 21.608 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

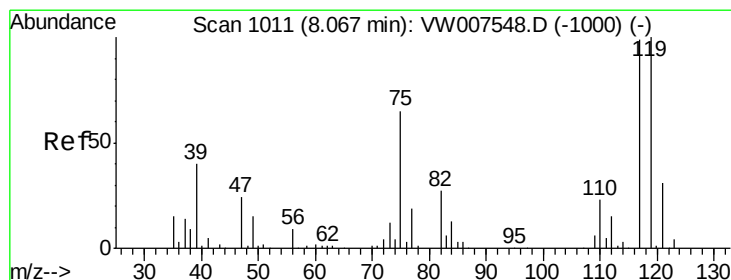
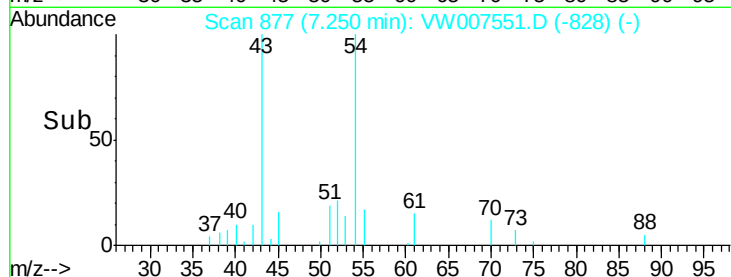
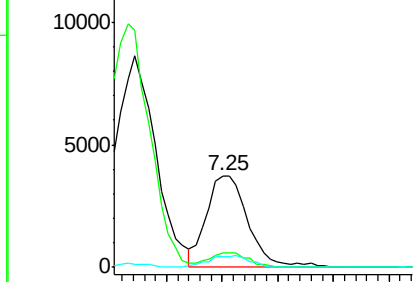
Tgt Ion: 43 Resp: 9684
Ion Ratio Lower Upper
43 100
61 15.2 12.1 18.1
70 12.9 10.0 15.0

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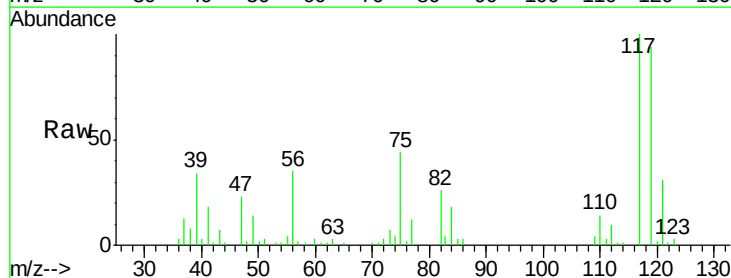


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

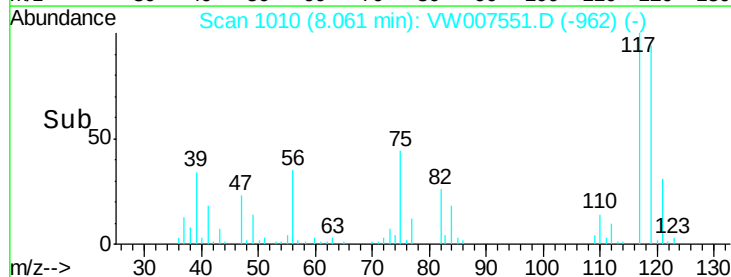
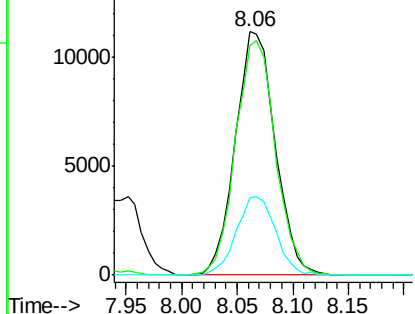


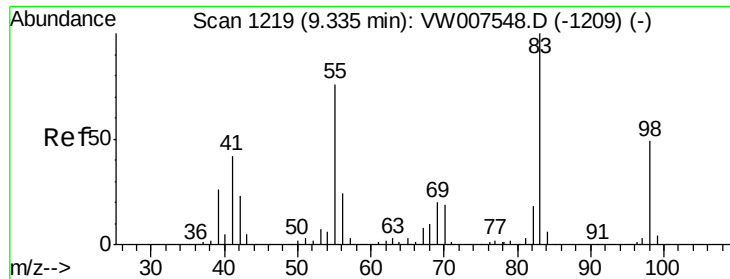
#38
Carbon Tetrachloride
Concen: 21.180 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 117 Resp: 27769
Ion Ratio Lower Upper
117 100
119 94.1 74.3 111.5
121 31.5 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





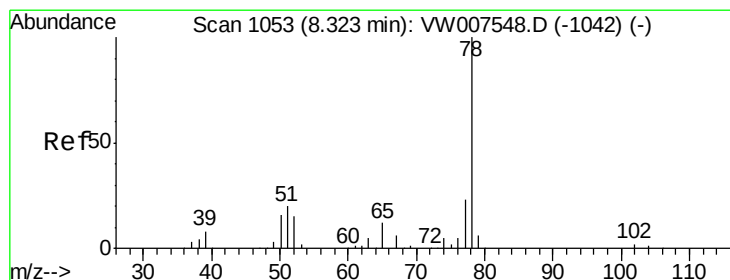
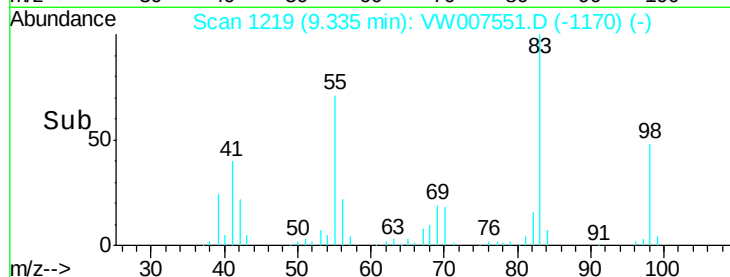
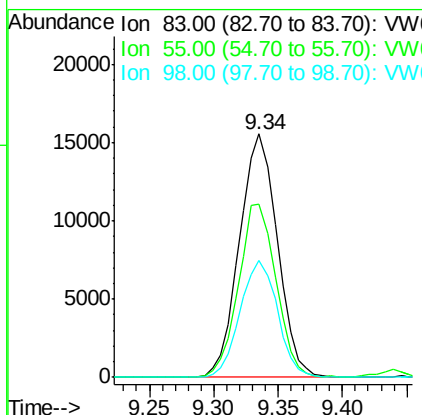
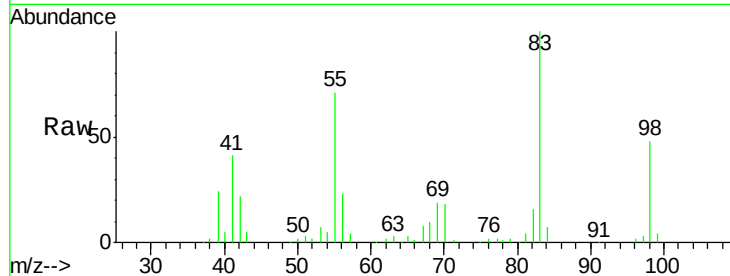
#39
Methylcyclohexane
Concen: 21.747 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.4	62.8	94.2
98	47.9	42.2	63.2

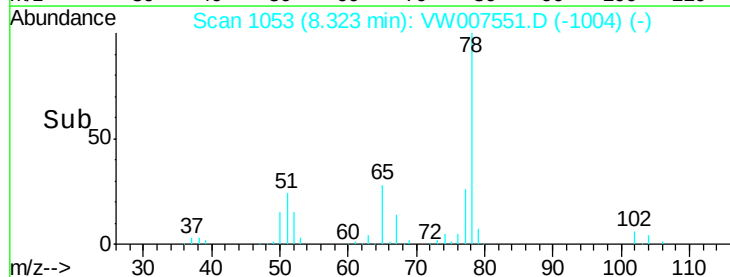
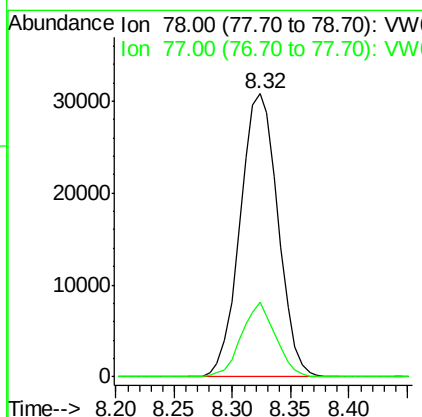
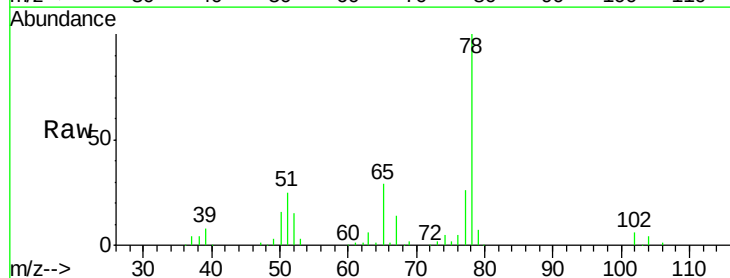
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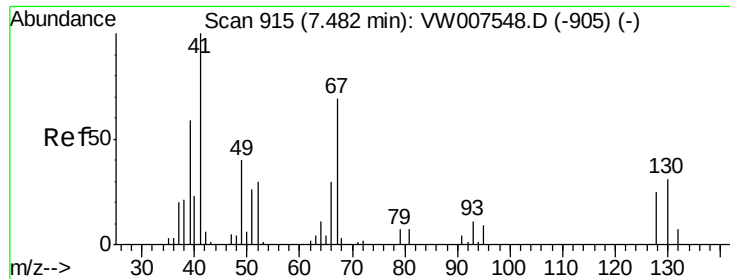
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#40
Benzene
Concen: 20.895 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.8	28.2





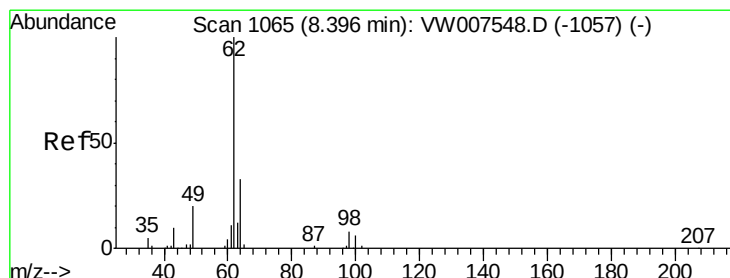
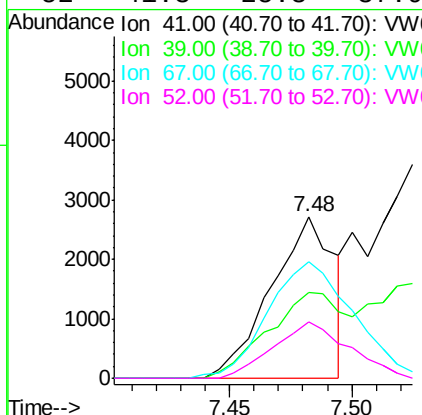
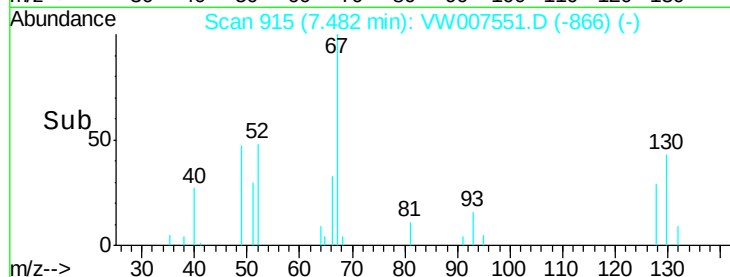
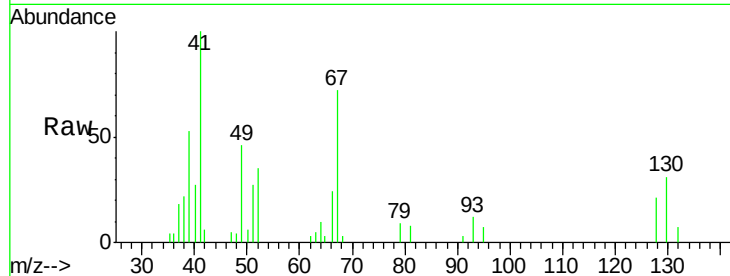
#41
Methacrylonitrile
Concen: 19.239 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.5	52.2	78.2
67	96.8	60.5	90.7#
52	41.3	25.3	37.9#

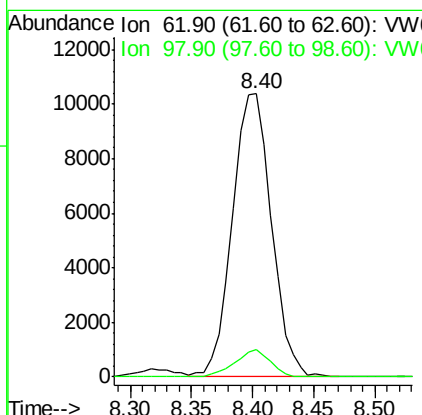
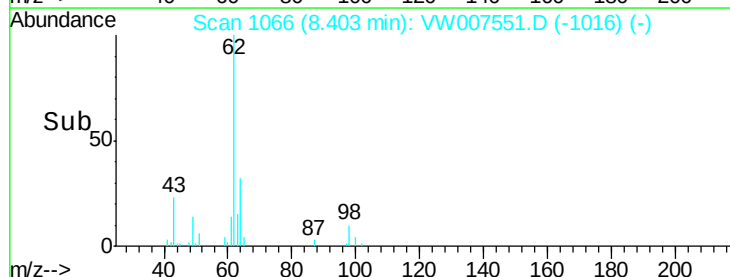
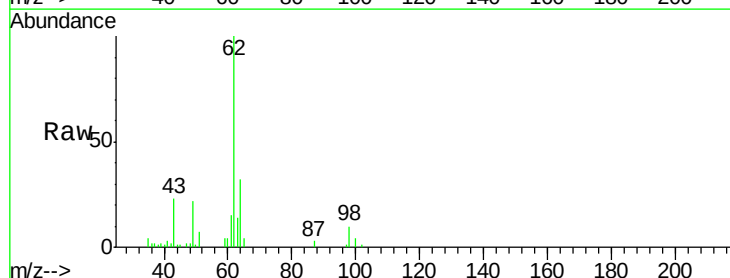
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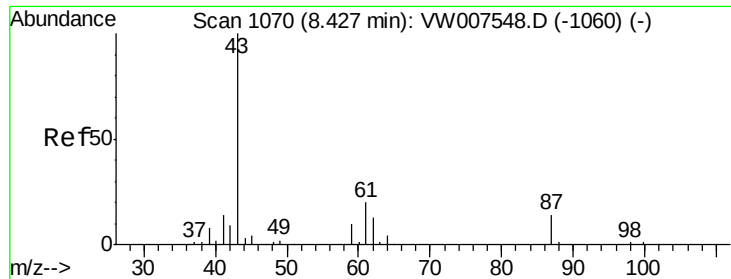
sam
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#42
1,2-Dichloroethane
Concen: 21.933 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6





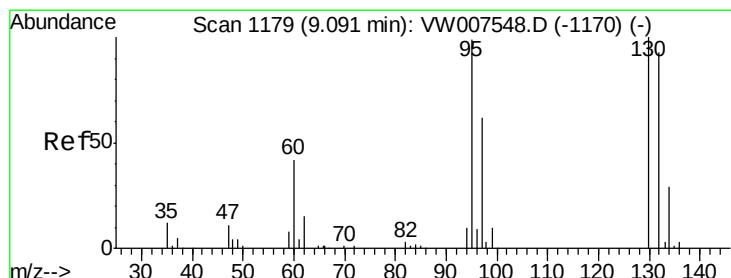
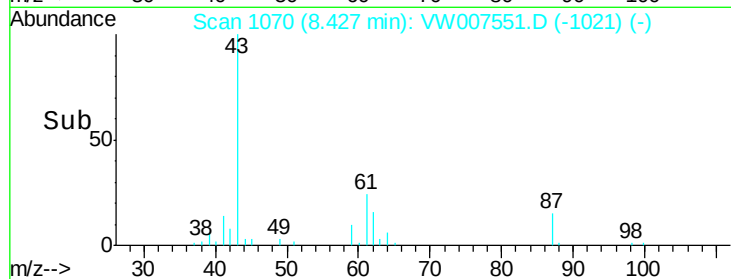
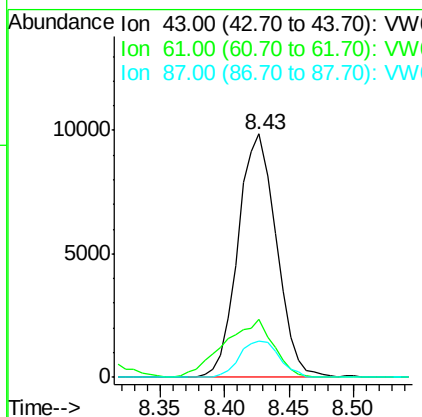
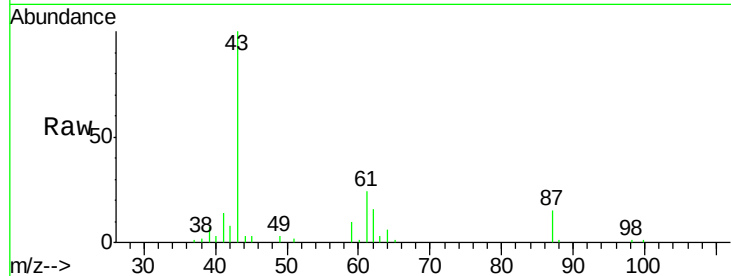
#43
Isopropyl Acetate
Concen: 22.983 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.8	25.3	37.9
87	15.3	11.8	17.8

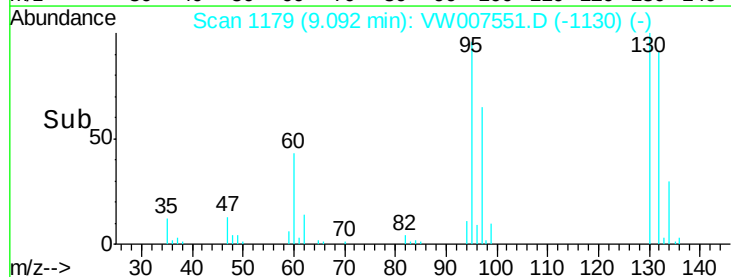
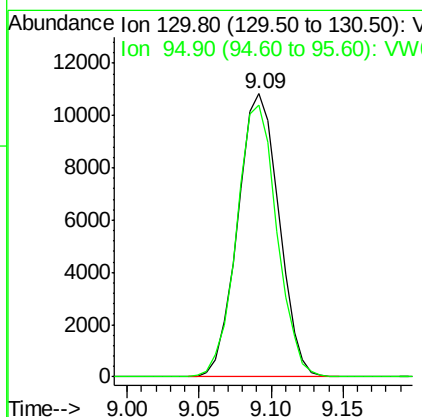
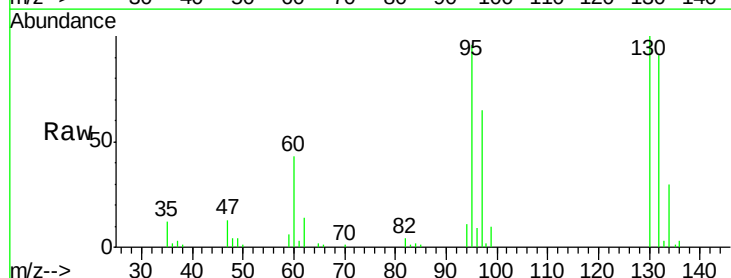
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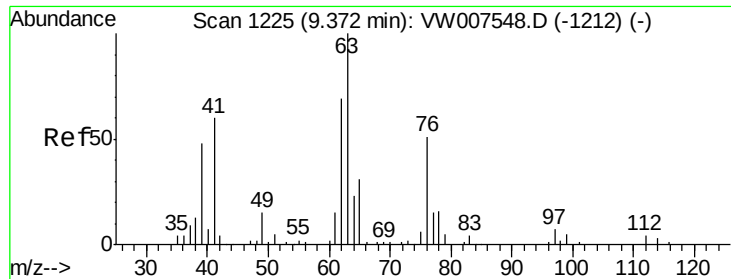
sam
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#44
Trichloroethene
Concen: 22.503 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	193.2





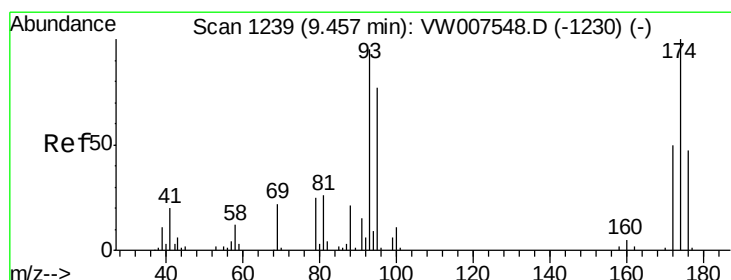
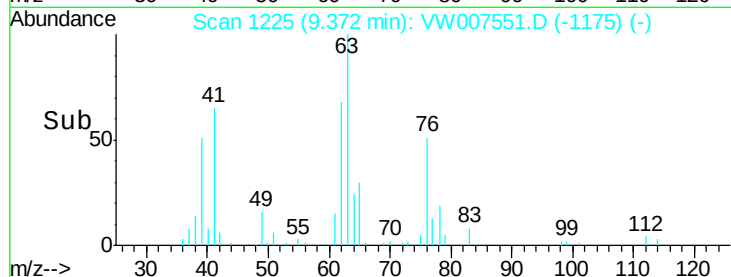
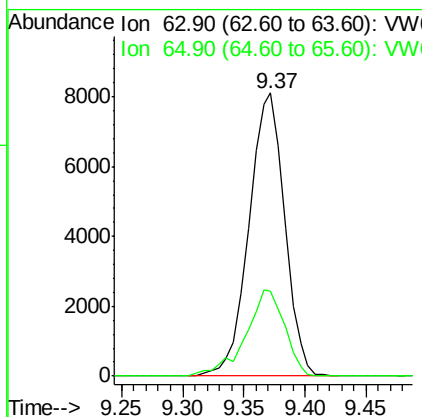
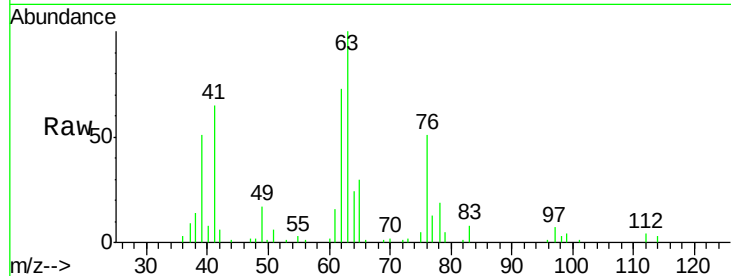
#45
 1,2-Dichloropropane
 Concen: 21.313 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS02

Tgt Ion: 63 Resp: 16493
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.4 36.6

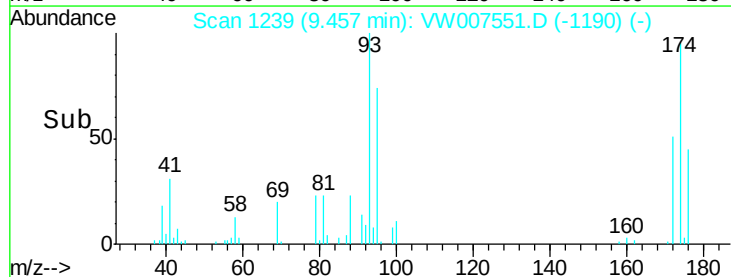
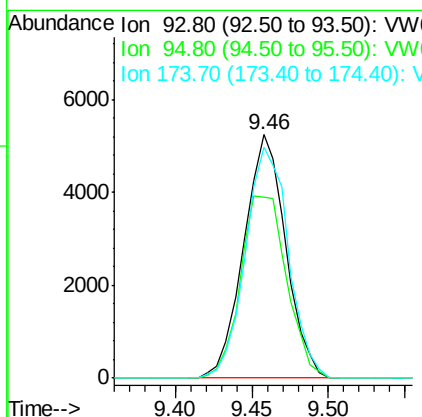
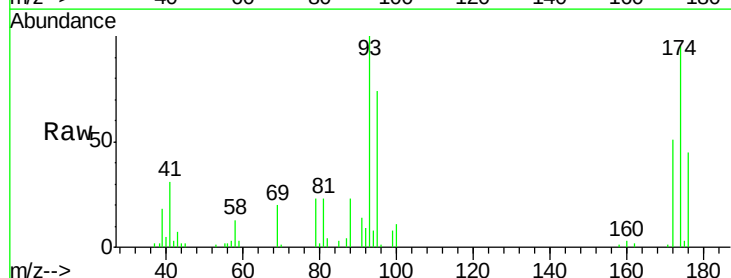
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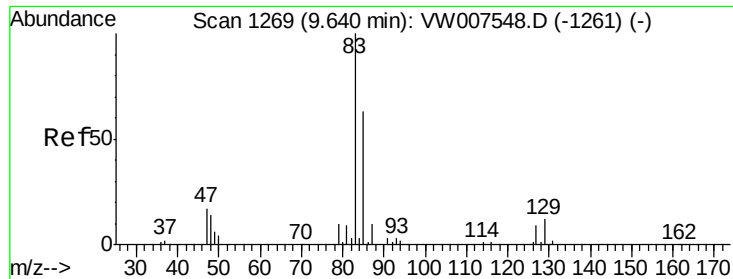
sam
 12/27/2018 8:20:24 AM



#46
 Dibromomethane
 Concen: 22.694 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion: 93 Resp: 9973
 Ion Ratio Lower Upper
 93 100
 95 82.3 68.0 102.0
 174 97.3 83.2 124.8





#47

Bromodichloromethane

Concen: 21.422 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

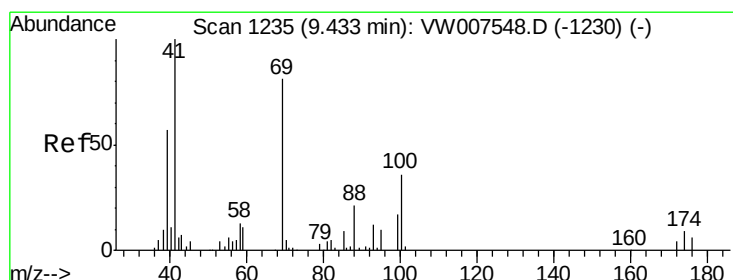
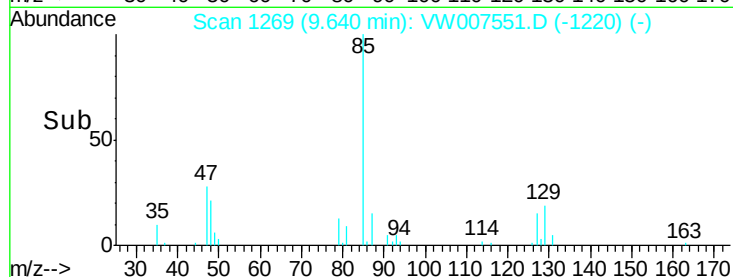
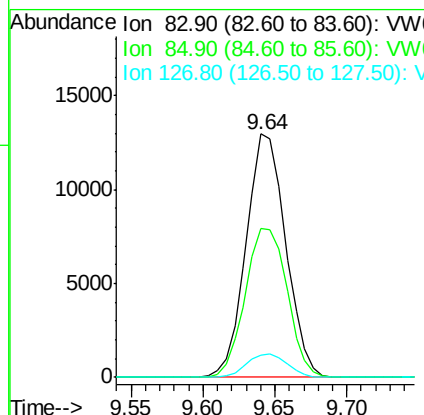
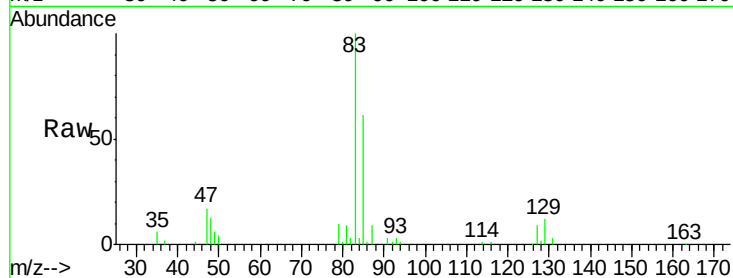
ClientSampleId :

VW1217SBSD02

Tgt Ion:	83	Resp:	24693
Ion	Ratio	Lower	Upper
83	100		
85	60.9	47.6	71.4
127	9.3	6.7	10.1

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#48

Methyl methacrylate

Concen: 20.505 ug/l

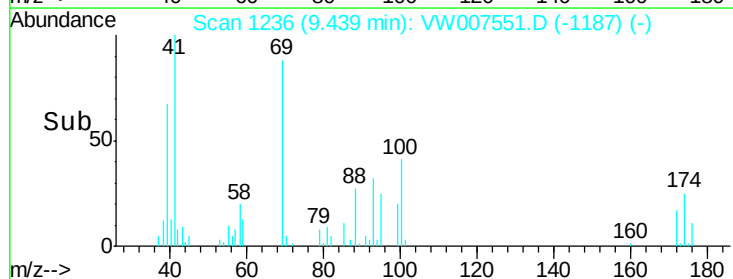
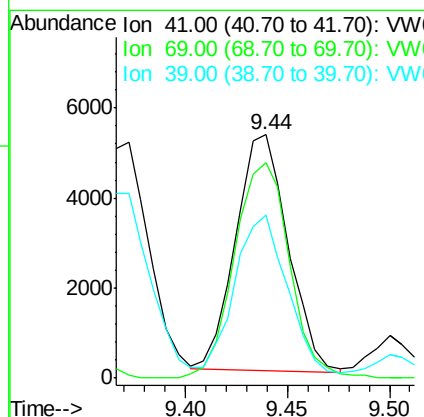
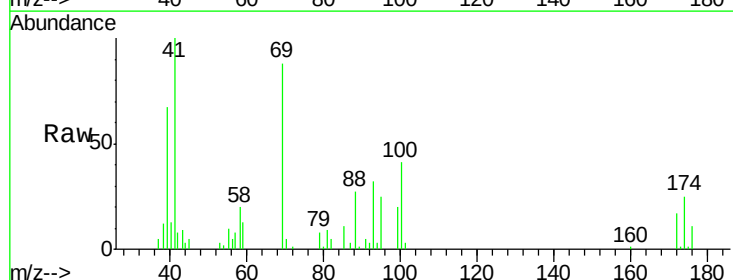
RT: 9.44 min Scan# 1236

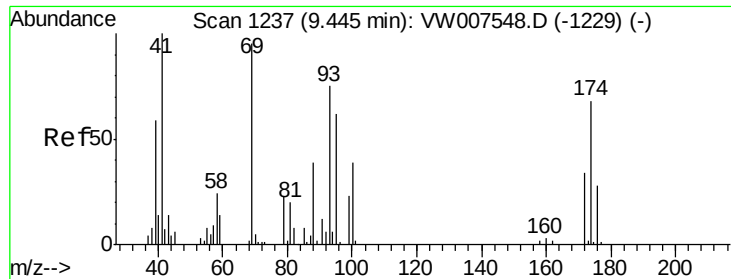
Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Tgt Ion:	41	Resp:	9323
Ion	Ratio	Lower	Upper
41	100		
69	96.2	69.8	104.8
39	70.9	50.9	76.3





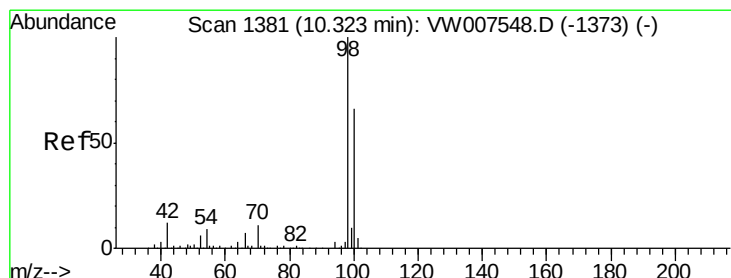
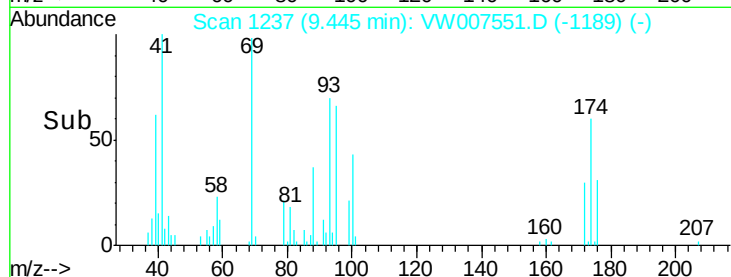
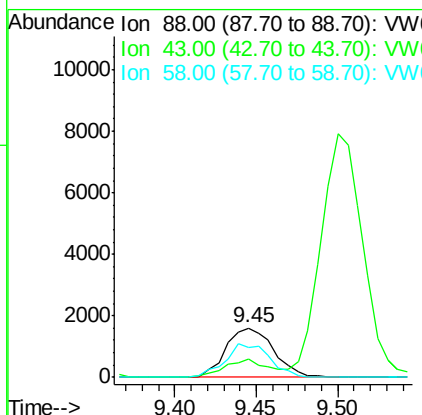
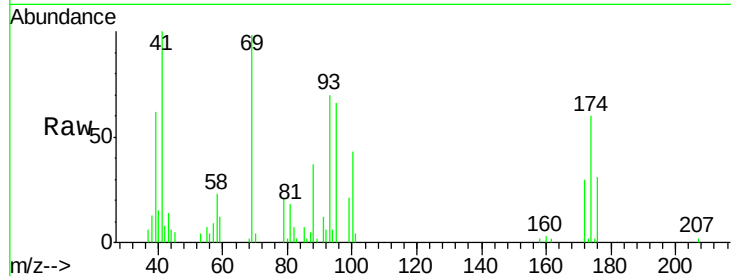
#49
1,4-Dioxane
Concen: 456.775 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.4	25.0	37.4
58	64.4	51.4	77.2

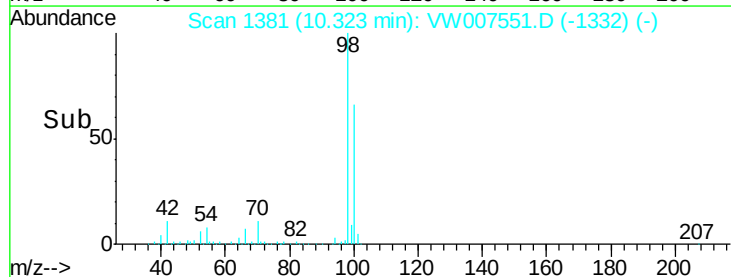
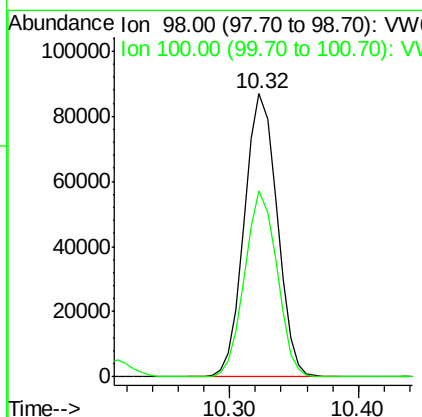
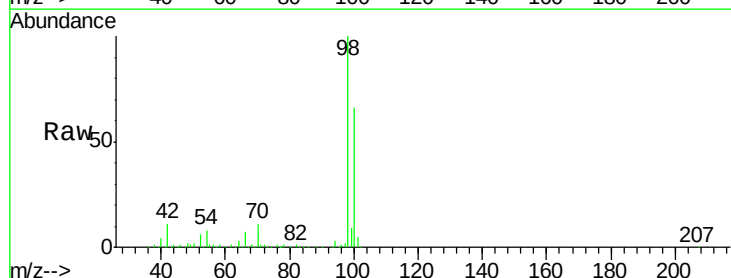
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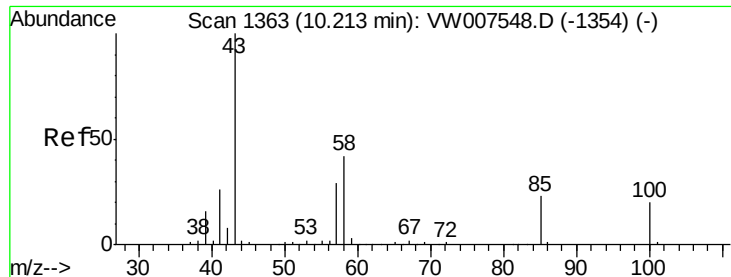
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#50
Toluene-d8
Concen: 51.029 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8





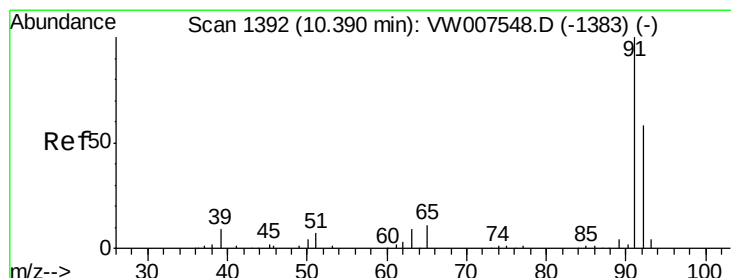
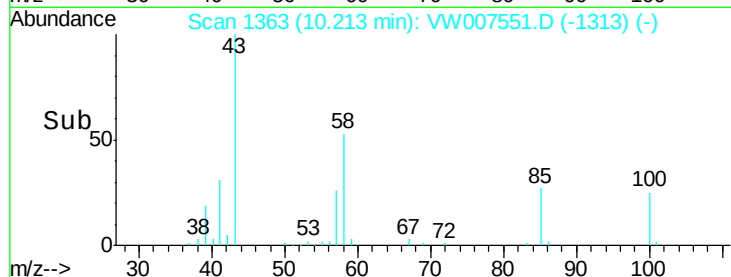
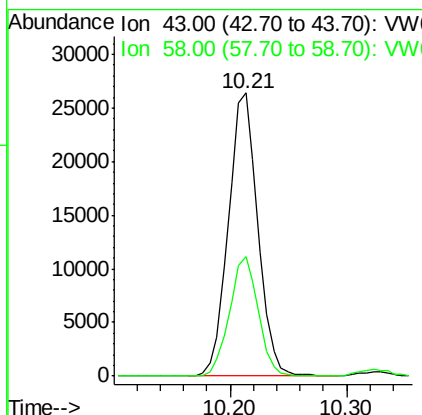
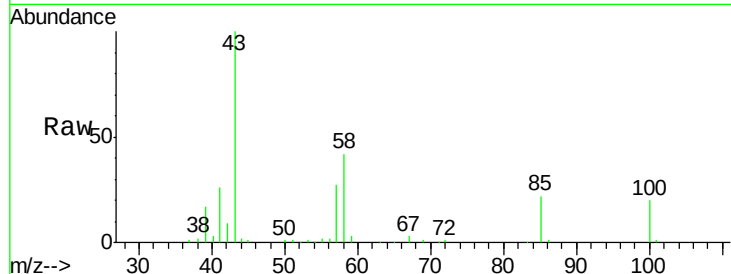
#51
4-Methyl-2-Pentanone
Concen: 110.901 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion: 43 Resp: 46389
Ion Ratio Lower Upper
43 100
58 41.0 33.1 49.7

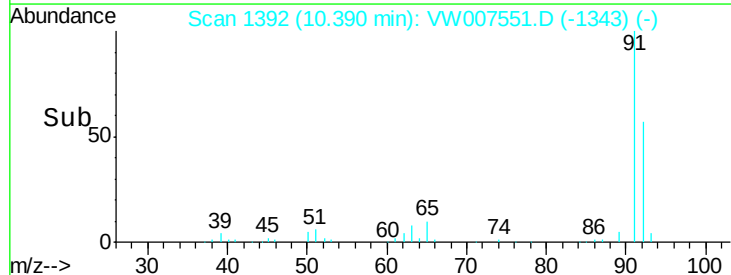
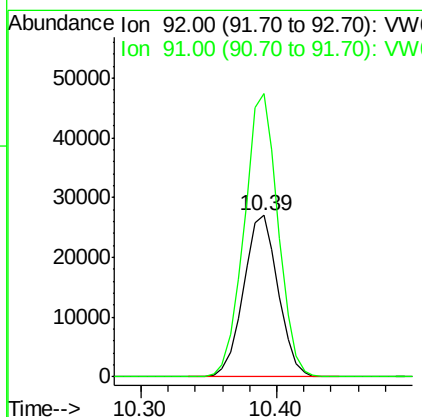
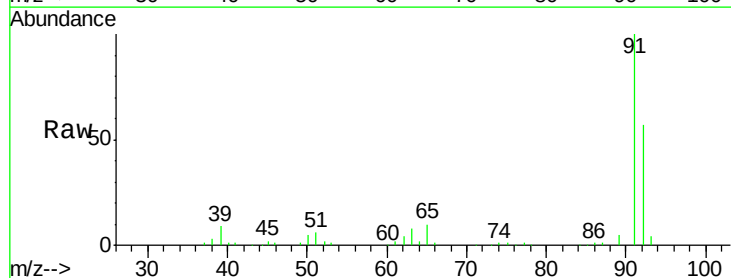
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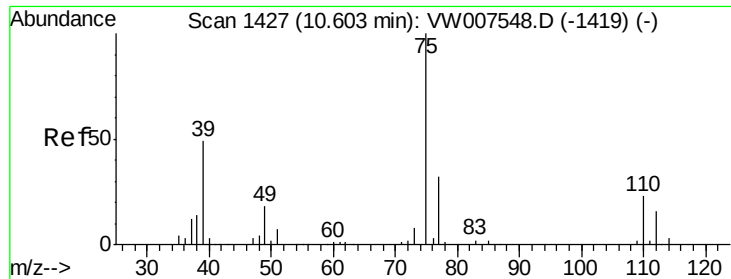
sam
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#52
Toluene
Concen: 22.174 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 92 Resp: 47985
Ion Ratio Lower Upper
92 100
91 171.4 136.2 204.2





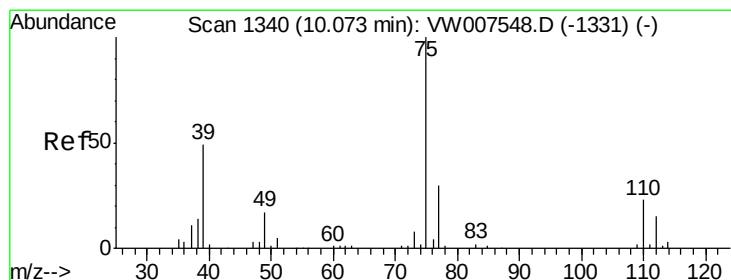
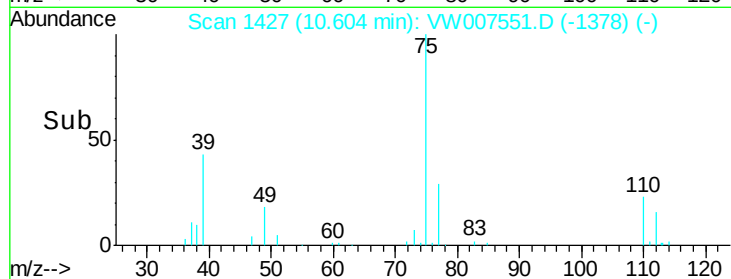
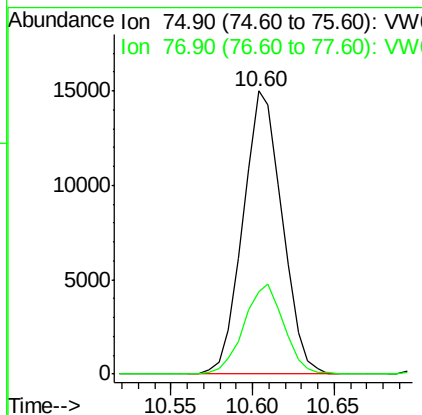
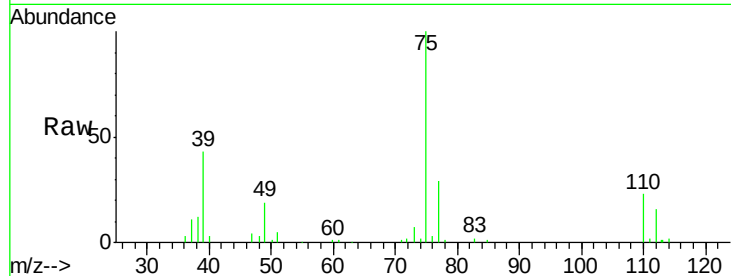
#53
 t-1,3-Dichloropropene
 Concen: 22.401 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD02

Tgt Ion: 75 Resp: 25068
 Ion Ratio Lower Upper
 75 100
 77 29.0 26.2 39.4

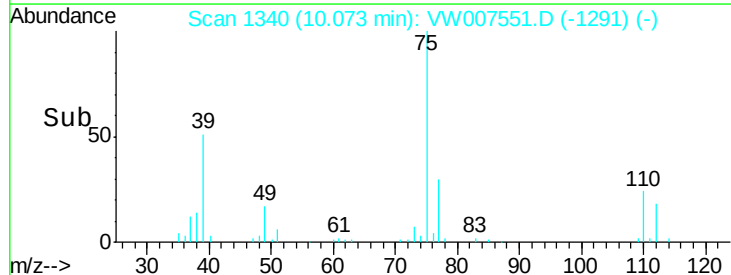
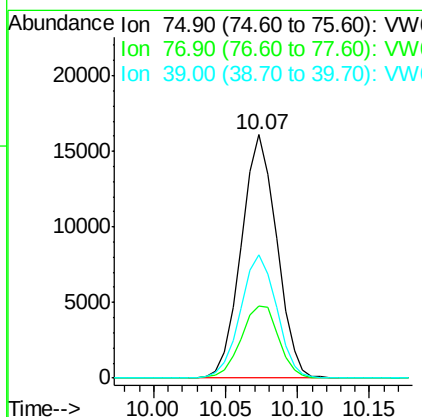
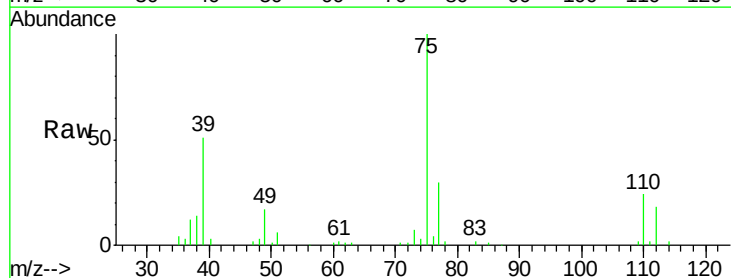
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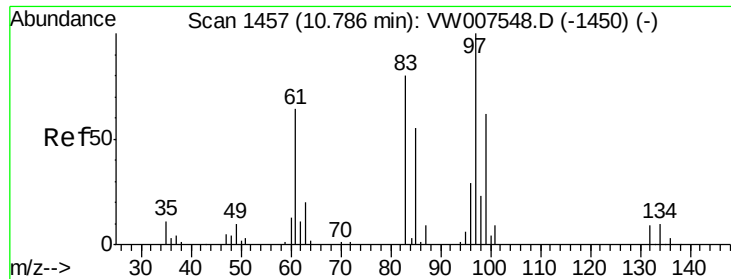
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 21.254 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion: 75 Resp: 27495
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.8 37.2
 39 50.8 40.9 61.3





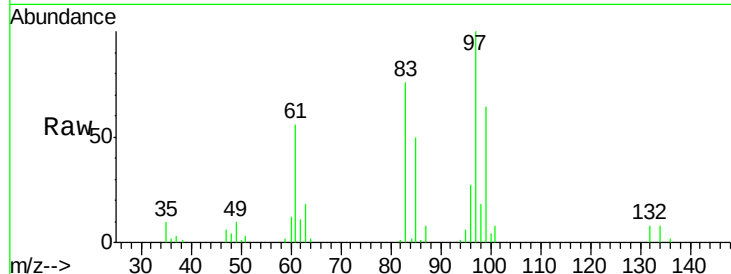
#55
 1,1,2-Trichloroethane
 Concen: 23.175 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS02

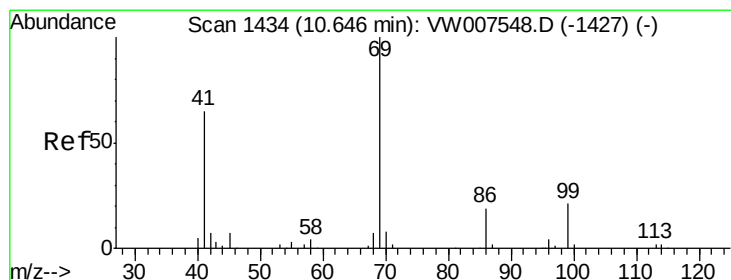
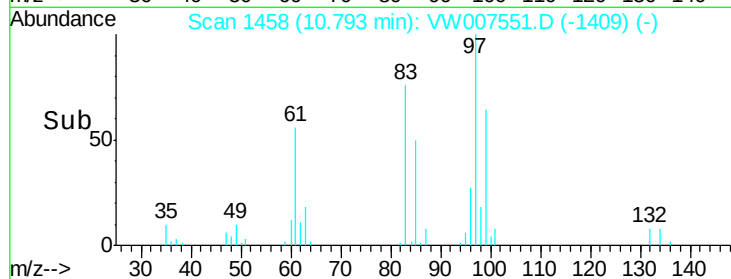
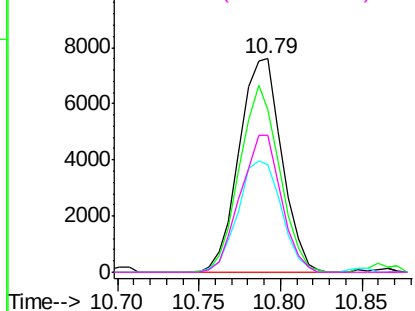
Tgt Ion	Ratio	Lower	Upper
97	100		
83	76.1	62.1	93.1
85	50.3	44.2	66.4
99	64.2	50.2	75.4

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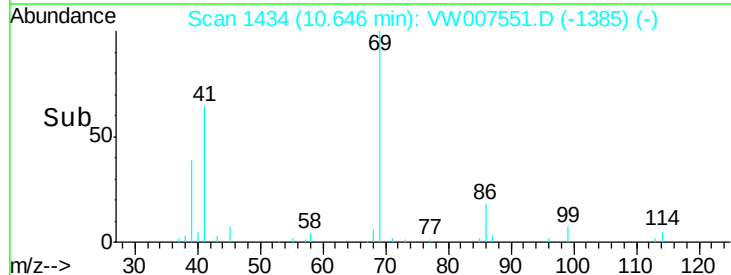
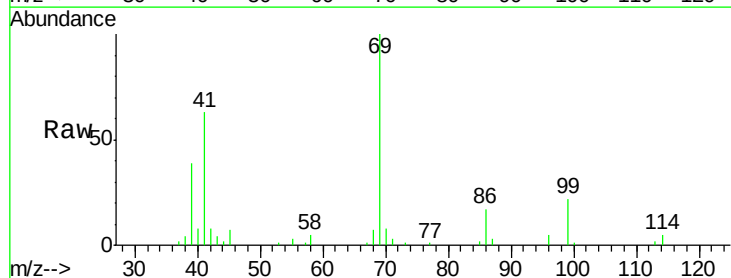
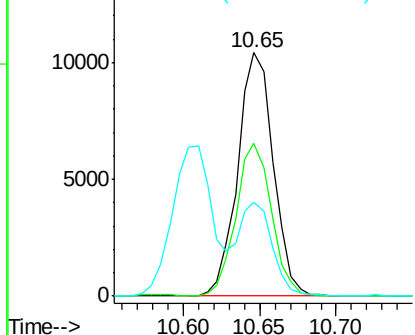
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

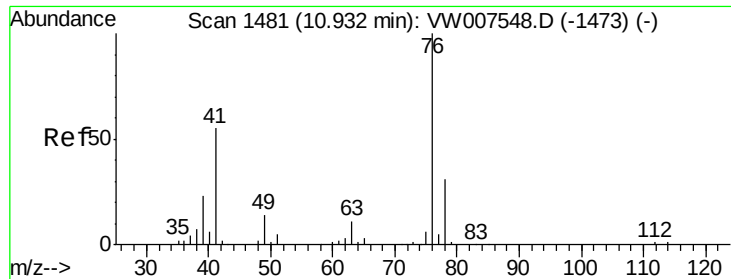


#56
 Ethyl methacrylate
 Concen: 23.472 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.0	76.6
39	37.2	30.8	46.2

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





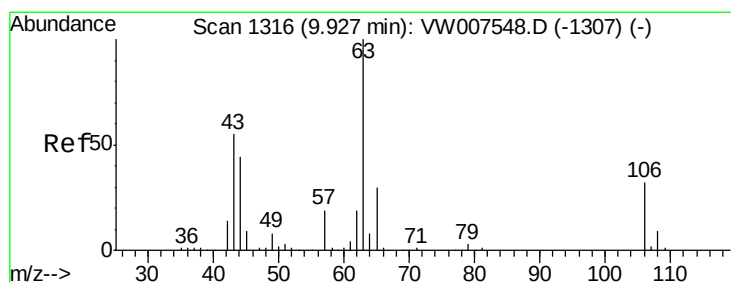
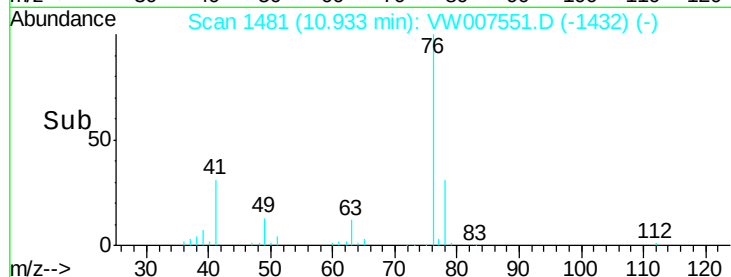
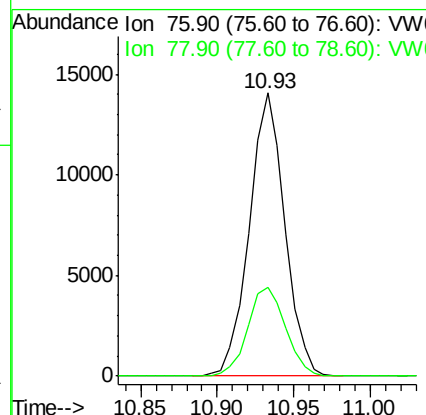
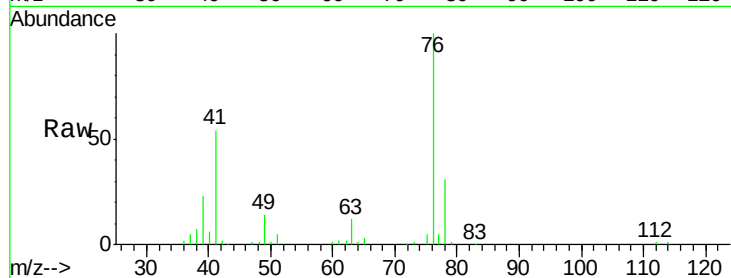
#57
 1,3-Dichloropropane
 Concen: 23.043 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS02

Tgt Ion: 76 Resp: 22621
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.4

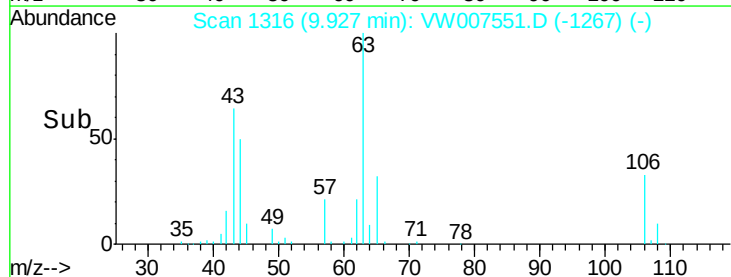
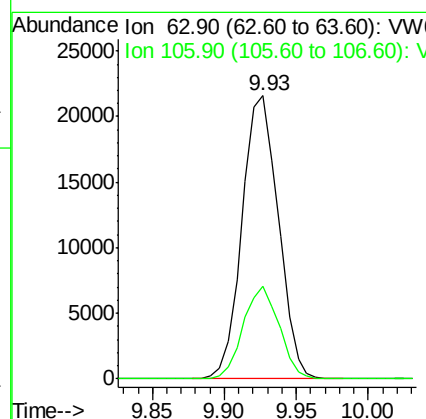
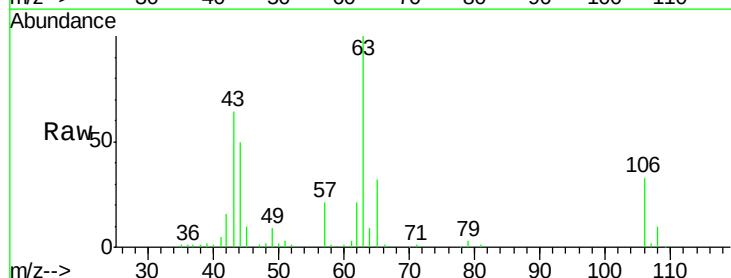
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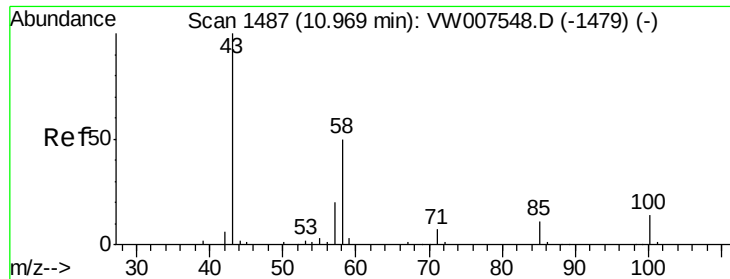
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.923 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion: 63 Resp: 37767
 Ion Ratio Lower Upper
 63 100
 106 32.2 25.0 37.6





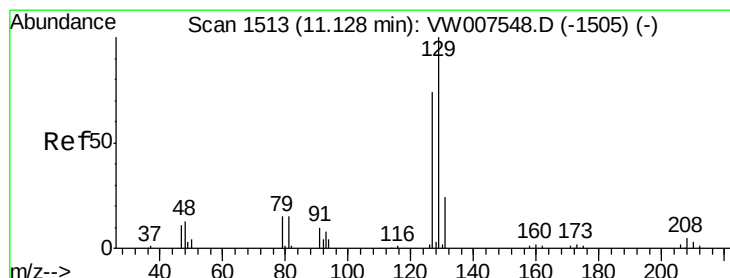
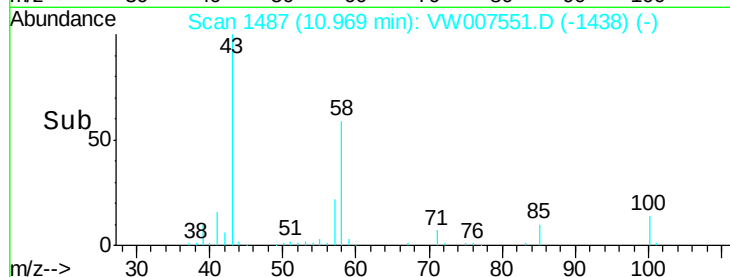
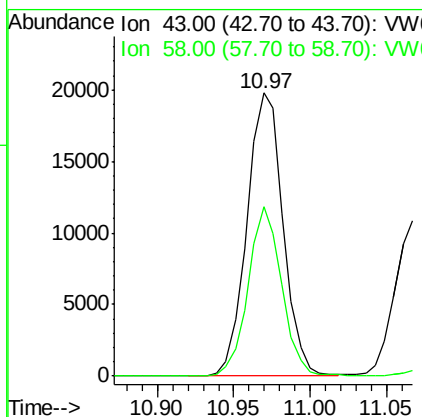
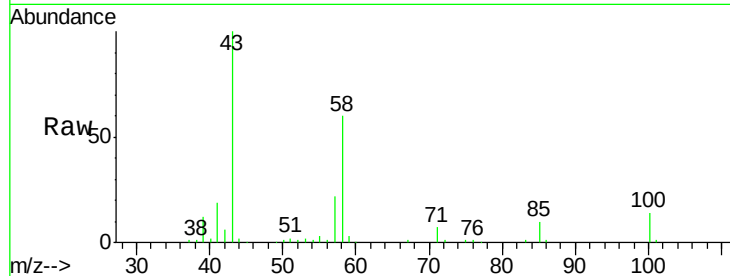
#59
2-Hexanone
Concen: 116.414 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion: 43 Resp: 32470
Ion Ratio Lower Upper
43 100
58 55.4 27.1 81.3

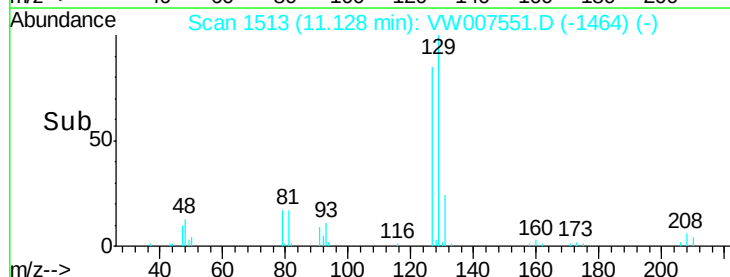
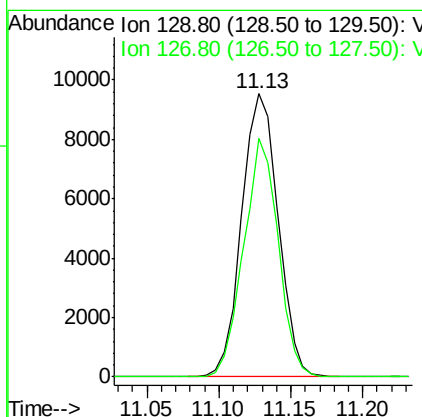
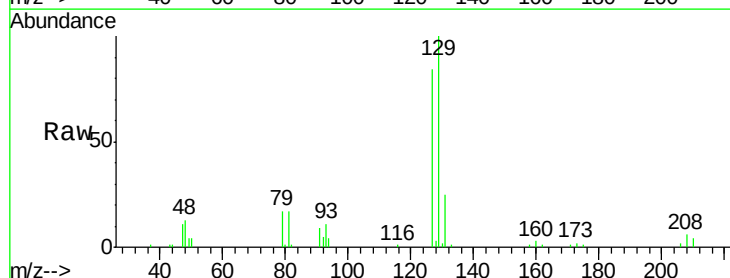
Manual Integrations
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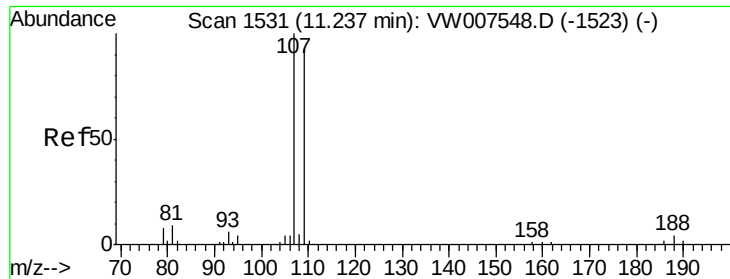
sam
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#60
Dibromochloromethane
Concen: 22.157 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 129 Resp: 16724
Ion Ratio Lower Upper
129 100
127 79.6 38.1 114.3





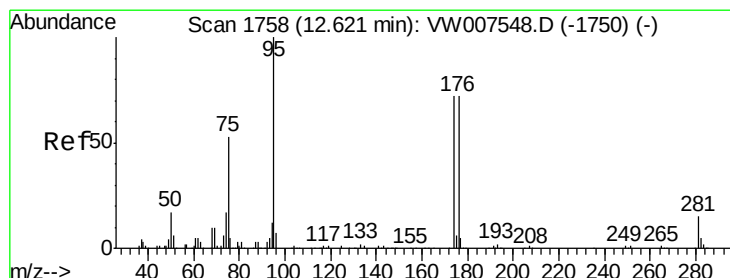
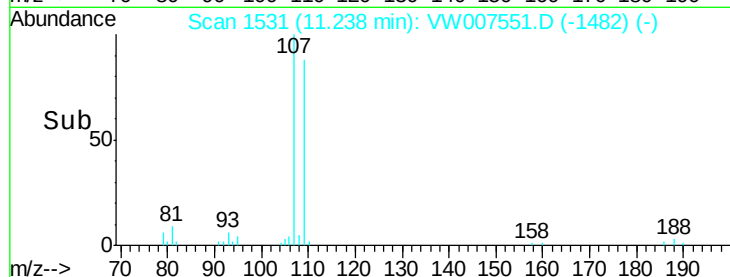
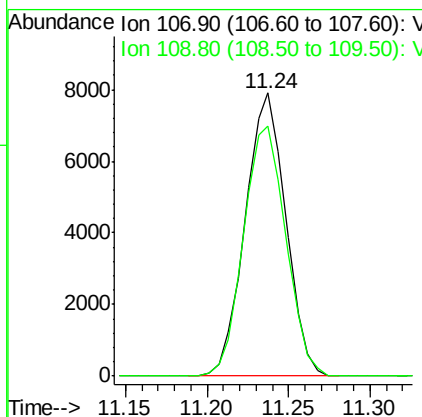
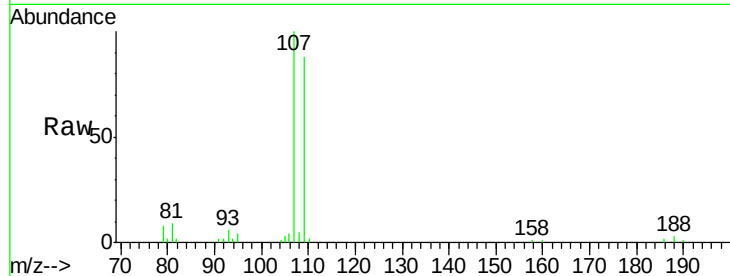
#61
 1,2-Dibromoethane
 Concen: 23.174 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD02

Tgt Ion: 107 Resp: 13697
 Ion Ratio Lower Upper
 107 100
 109 91.9 79.1 118.7

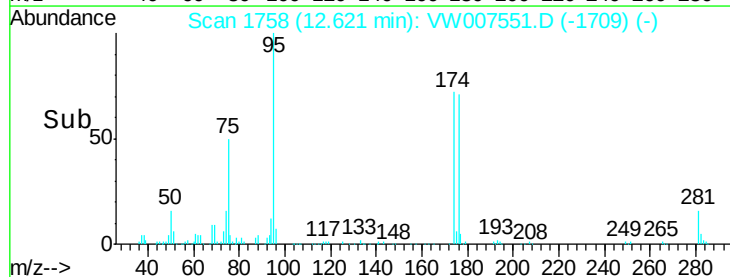
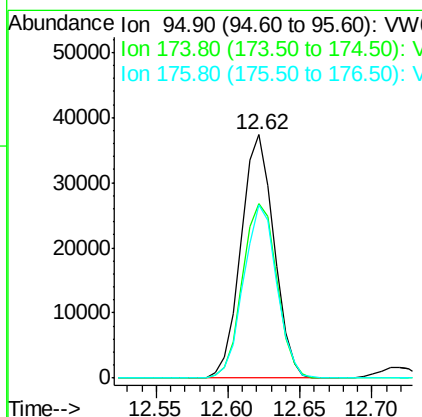
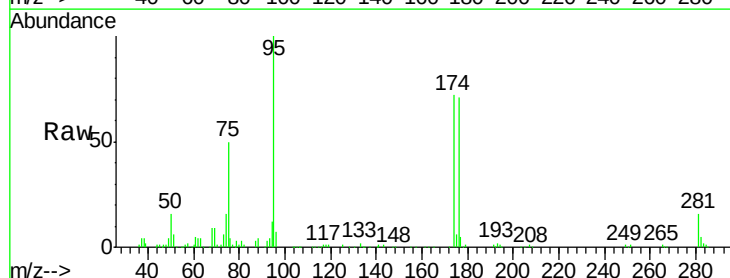
Manual Integrations
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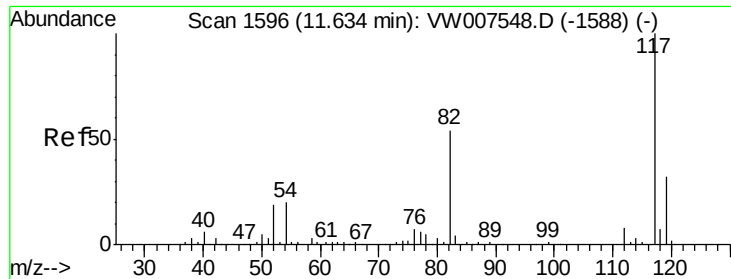
sam
 12/27/2018 8:20:24 AM



#62
 4-Bromofluorobenzene
 Concen: 53.886 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion: 95 Resp: 59398
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 147.2
 176 71.4 0.0 138.8





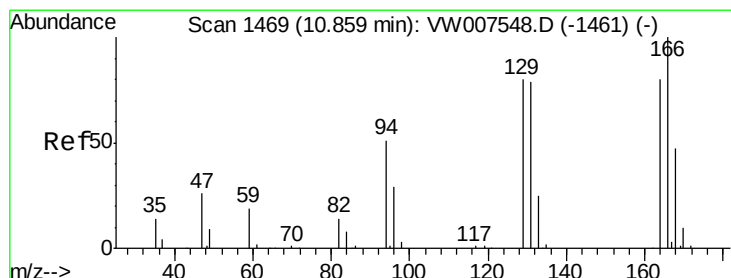
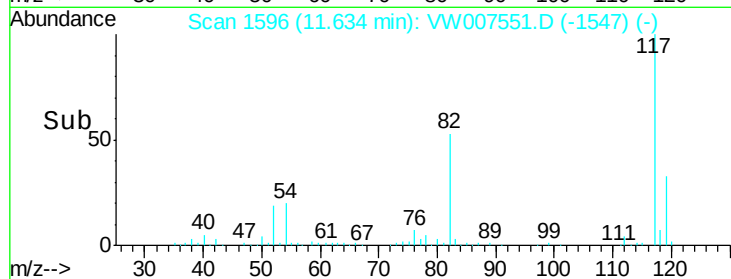
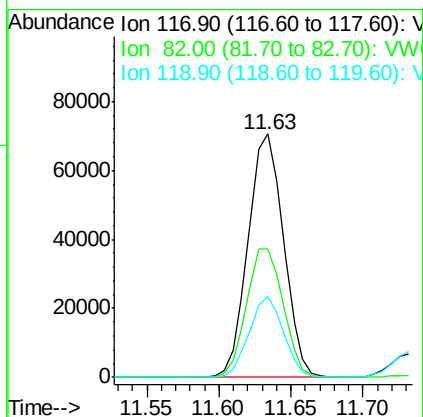
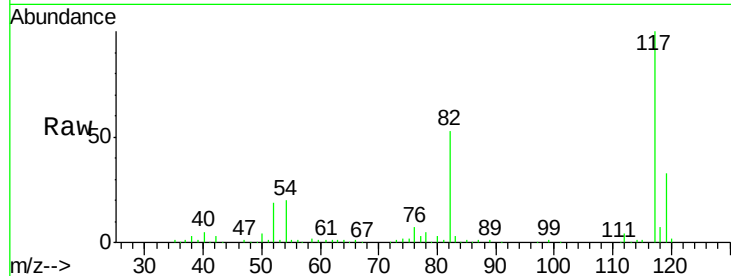
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	120112		
82	52.9	42.3	63.5	
119	33.4	23.0	34.6	

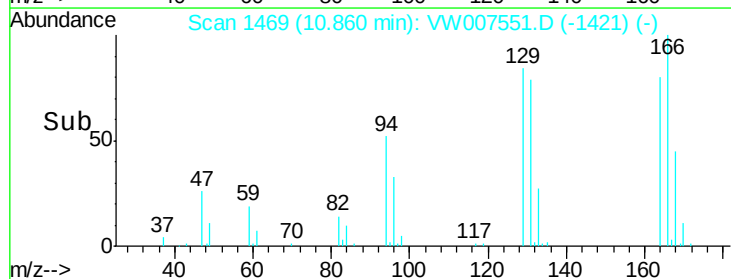
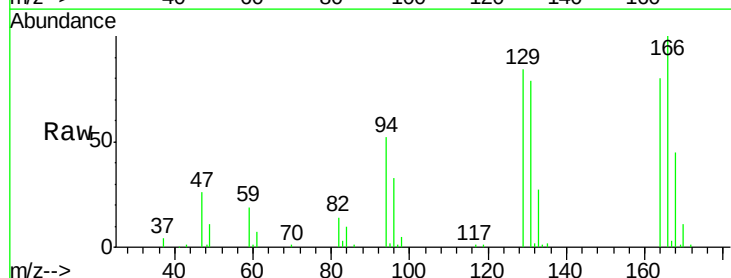
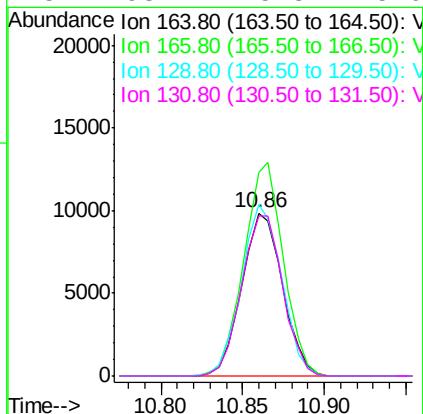
Manual Integrations
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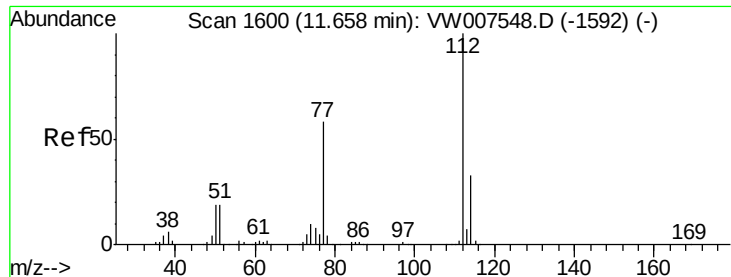
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#64
Tetrachloroethene
Concen: 19.867 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	17160		
166	125.5	107.9	161.9	
129	105.5	73.4	110.2	
131	98.7	75.8	113.6	





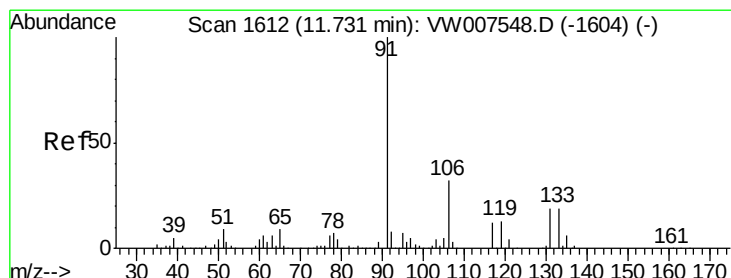
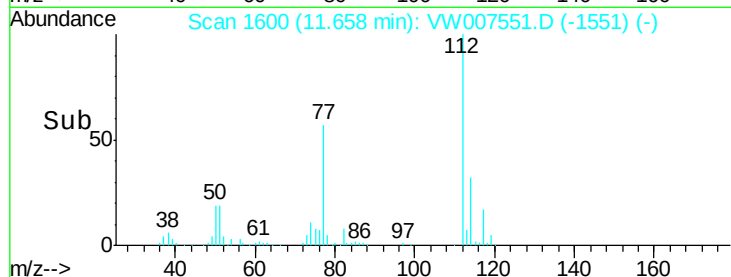
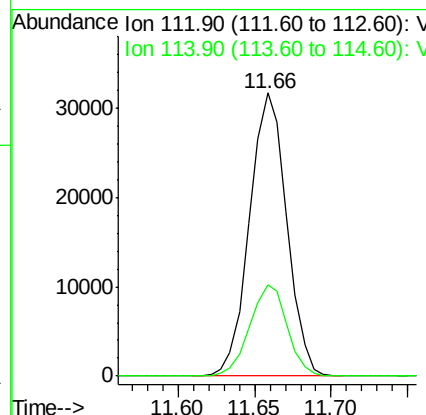
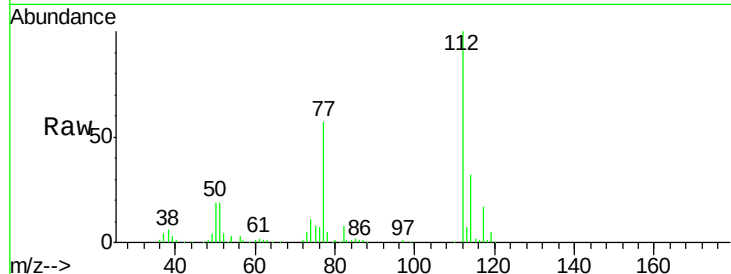
#65
Chlorobenzene
Concen: 21.378 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion:112 Resp: 53519
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8

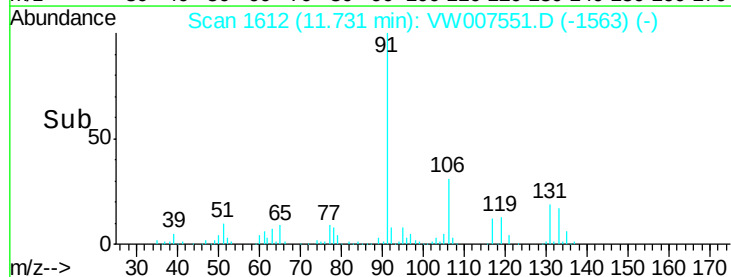
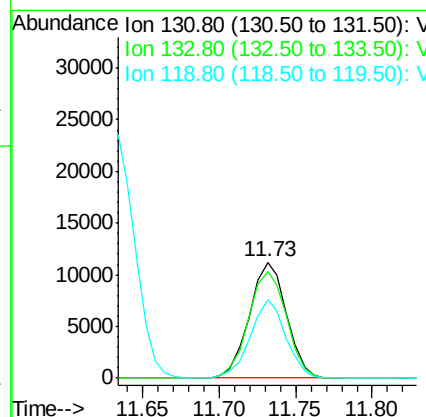
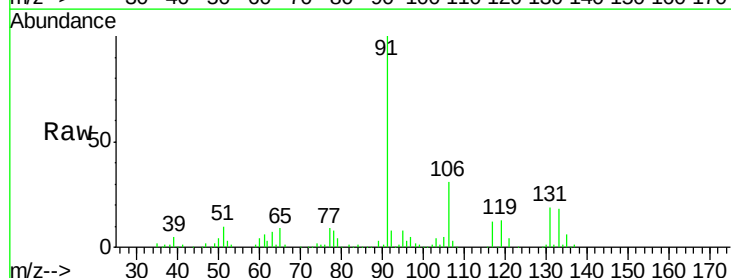
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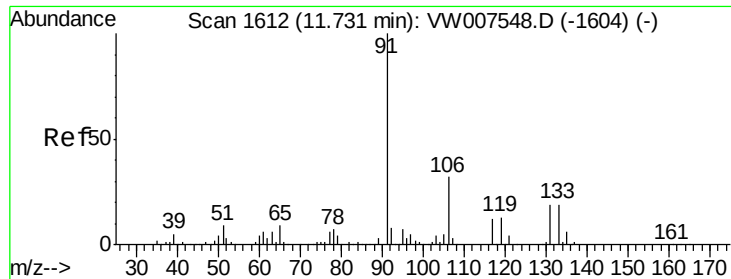
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.412 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion:131 Resp: 18880
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.4
119 64.6 31.3 93.9





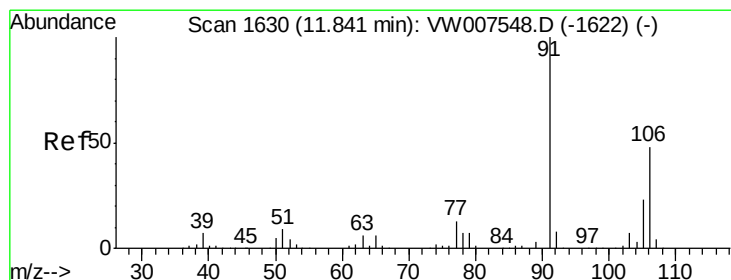
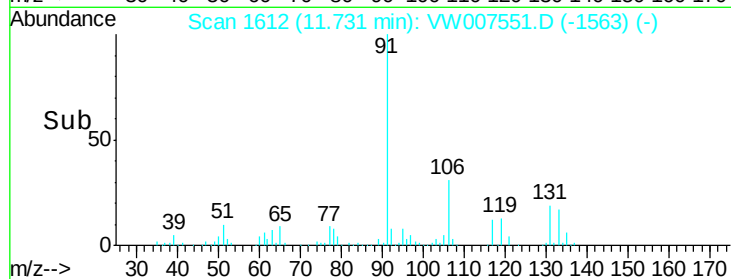
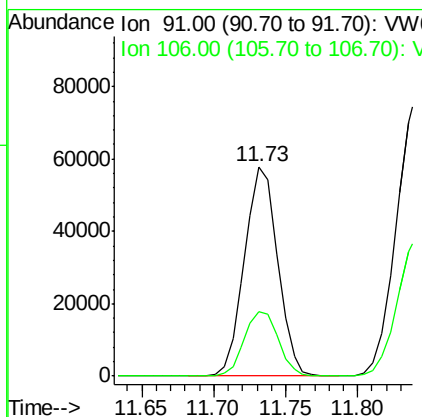
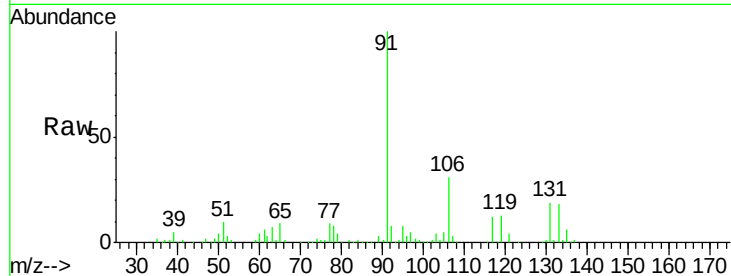
#67
Ethyl Benzene
Concen: 21.460 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

Tgt Ion: 91 Resp: 92367
Ion Ratio Lower Upper
91 100
106 30.7 21.8 32.8

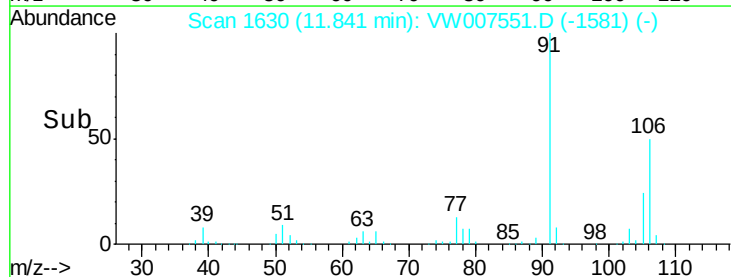
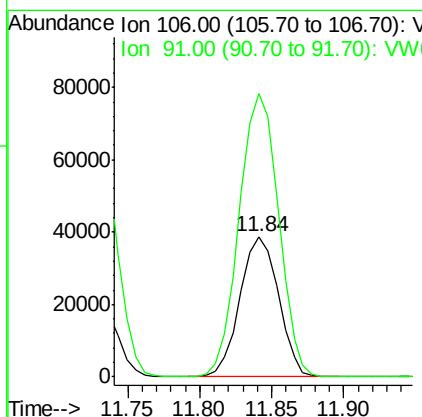
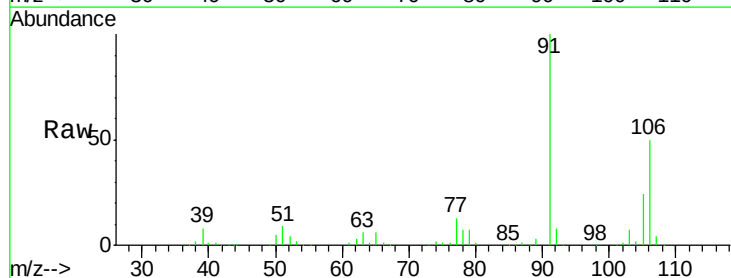
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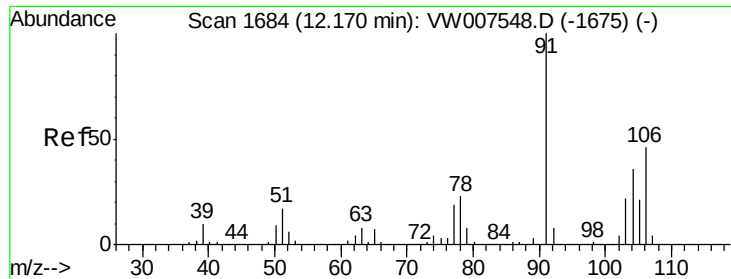
sam
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#68
m/p-Xylenes
Concen: 43.030 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 106 Resp: 72002
Ion Ratio Lower Upper
106 100
91 206.8 165.3 247.9





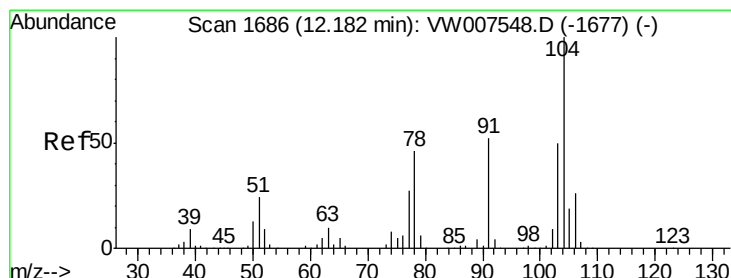
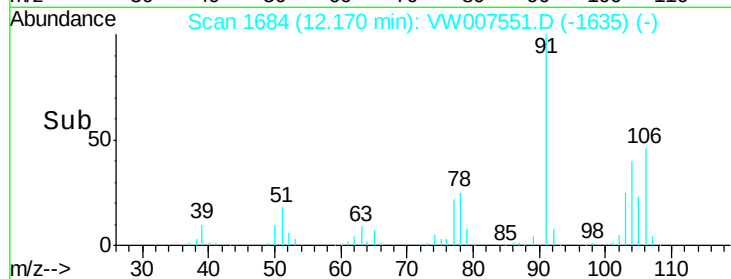
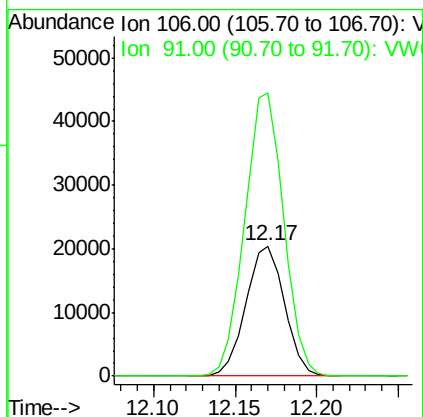
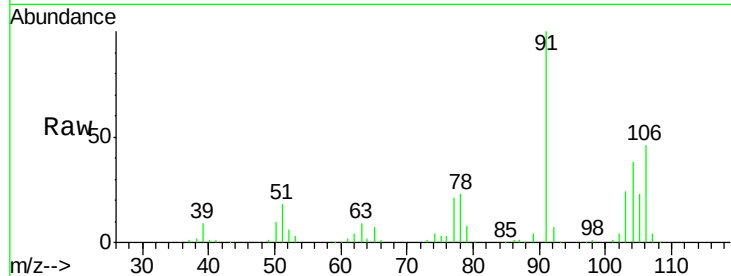
#69
o-Xylene
Concen: 21.490 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion:106 Resp: 33584
Ion Ratio Lower Upper
106 100
91 219.7 106.6 319.8

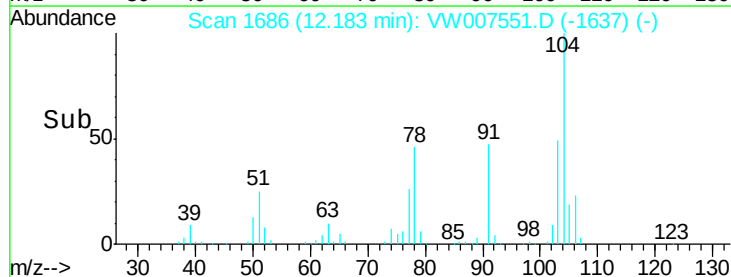
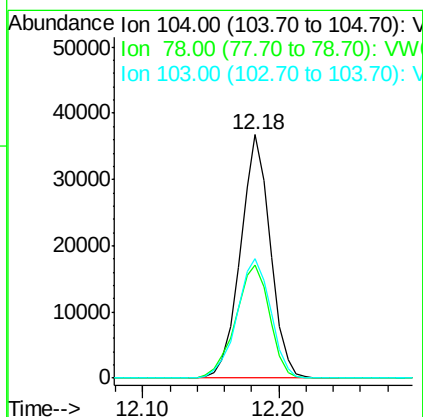
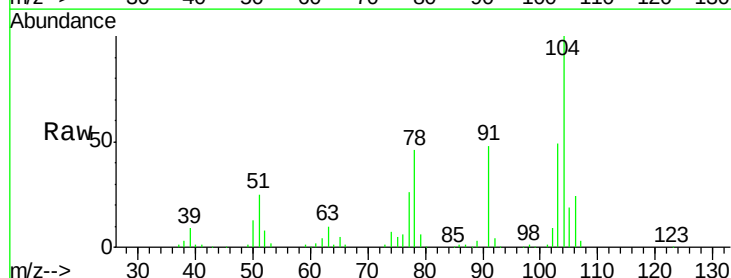
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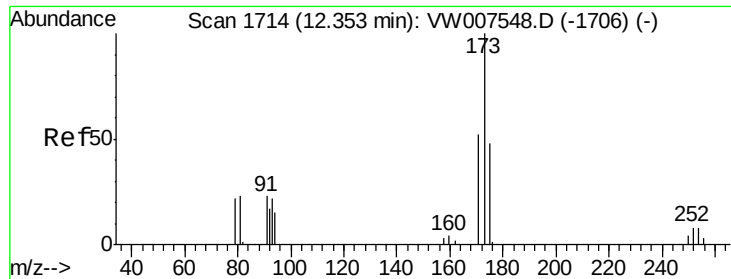
sam
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#70
Styrene
Concen: 22.305 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion:104 Resp: 56303
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 55.3 46.6 69.8





#71

Bromoform

Concen: 20.950 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

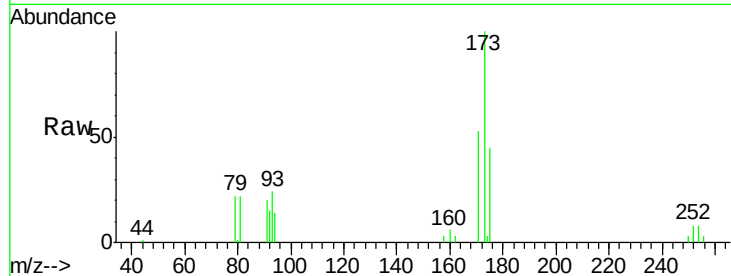
ClientSampleId :

VW1217SBSD02

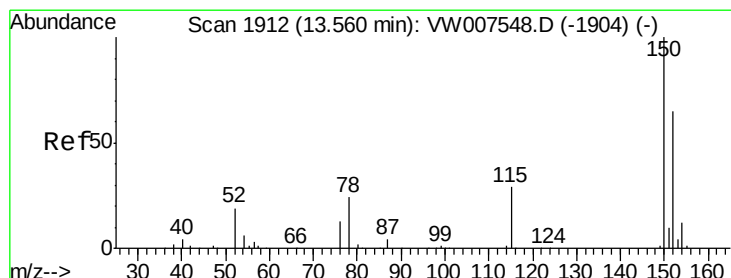
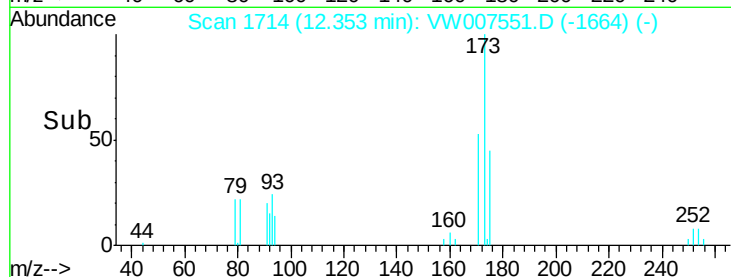
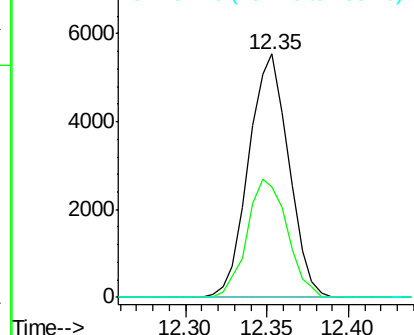
Tgt Ion:	173	Resp:	9455
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.6	70.8
254	0.0	0.0	0.0

Manual Integrations
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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

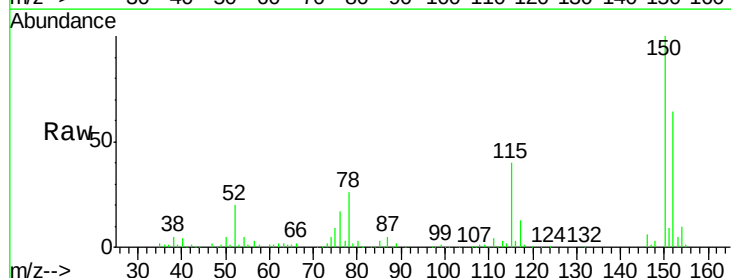
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

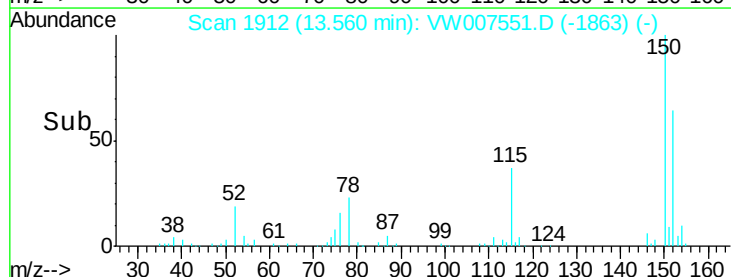
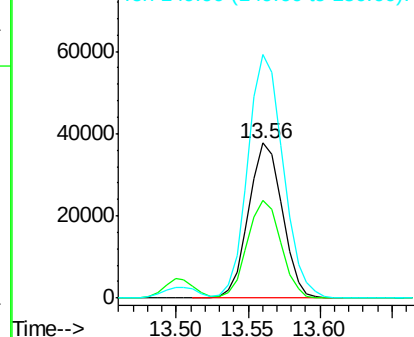
Lab File: VW007551.D

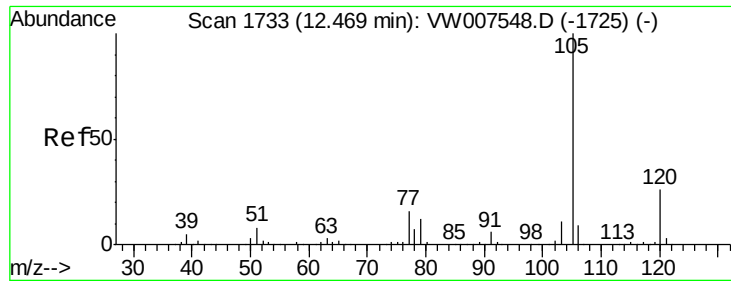
Acq: 15 Dec 2018 00:12

Tgt Ion:	152	Resp:	60852
Ion Ratio	Lower	Upper	
152	100		
115	62.7	31.4	94.2
150	165.3	0.0	358.4



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





#73

Isopropylbenzene

Concen: 20.547 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS02

Tgt Ion: 105 Resp: 95804

Ion Ratio Lower Upper

105 100

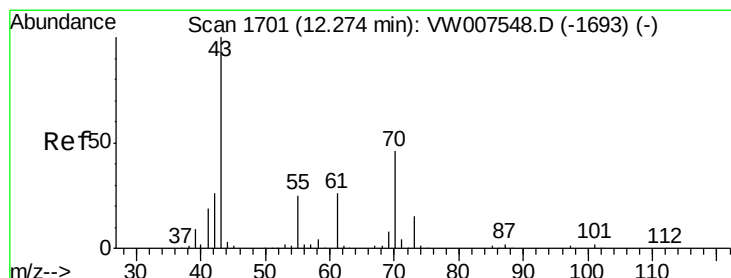
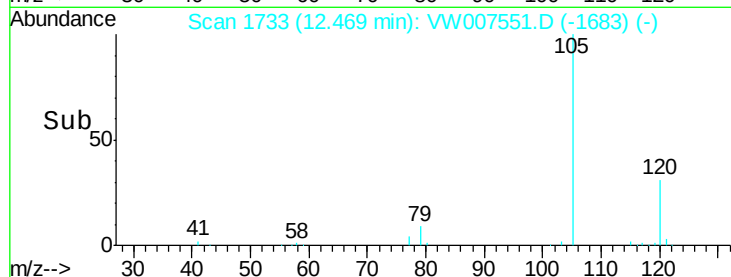
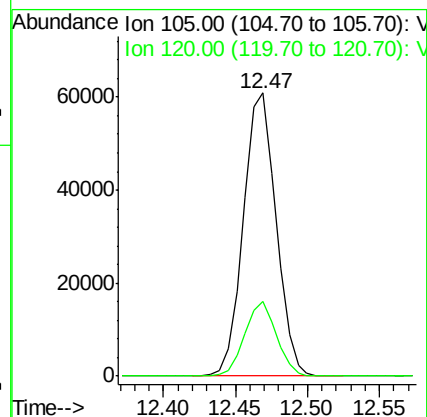
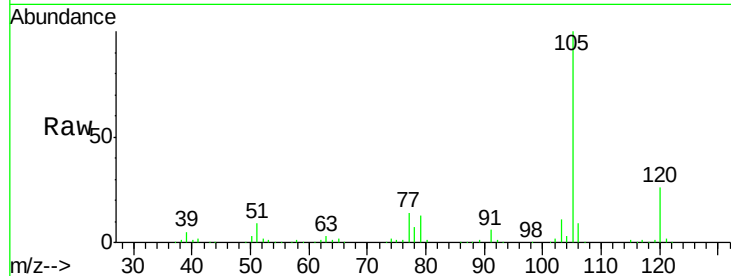
120 25.7 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.527 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Tgt Ion: 43 Resp: 18242

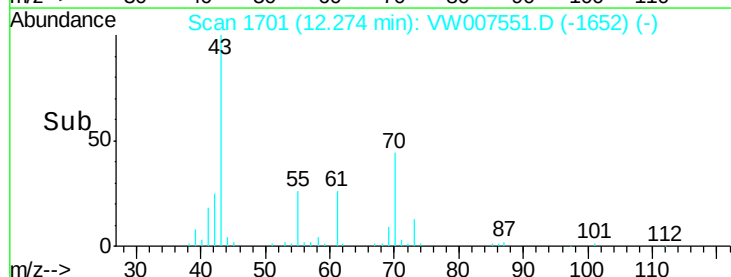
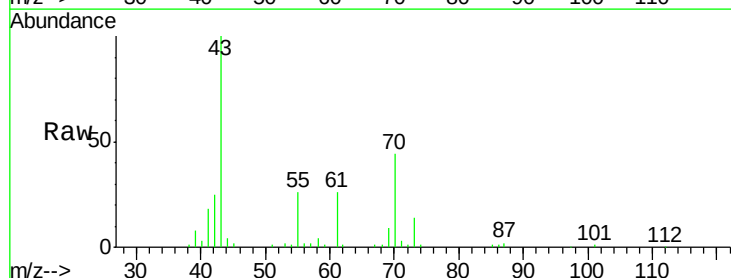
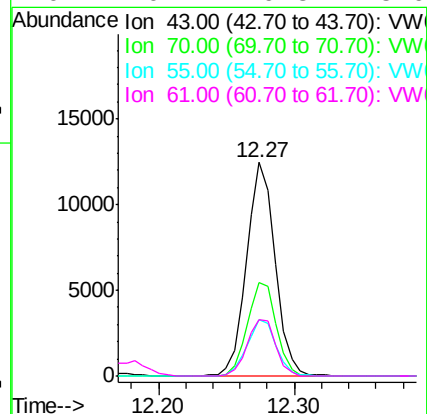
Ion Ratio Lower Upper

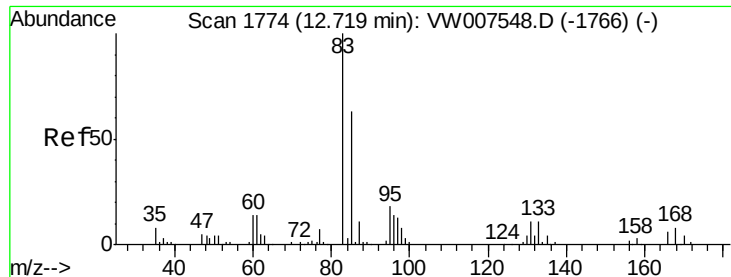
43 100

70 44.3 36.5 54.7

55 26.9 20.1 30.1

61 26.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.444 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

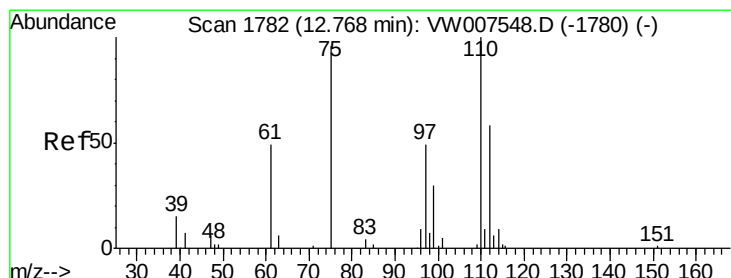
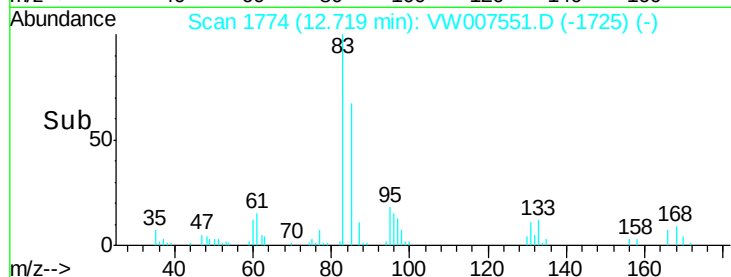
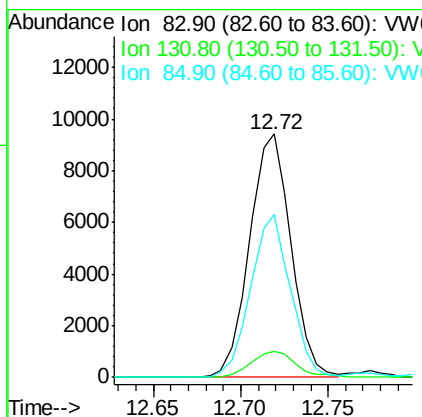
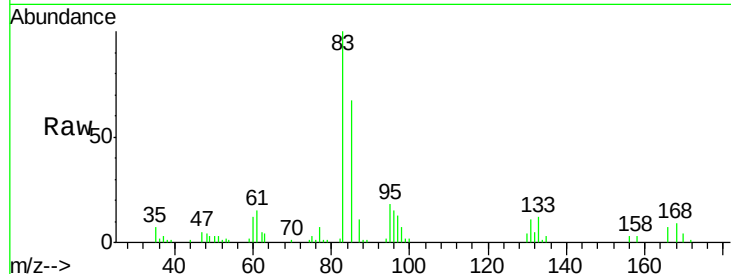
ClientSampleId :

VW1217SBSD02

Tgt Ion:	83	Resp:	15500
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.9	17.8
85	64.3	30.0	90.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.723 ug/l m

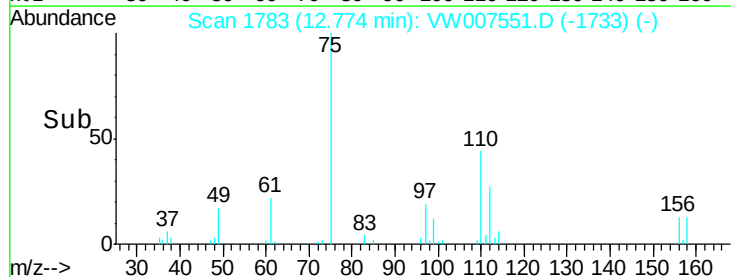
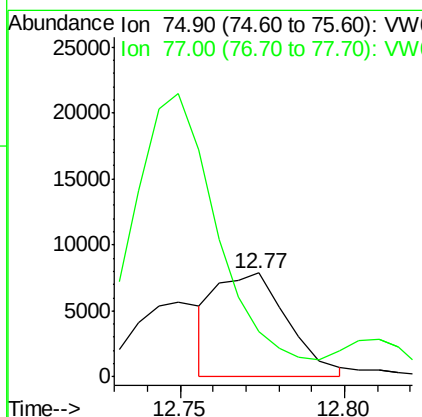
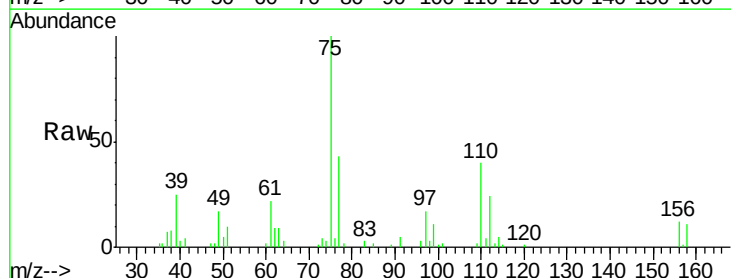
RT: 12.77 min Scan# 1783

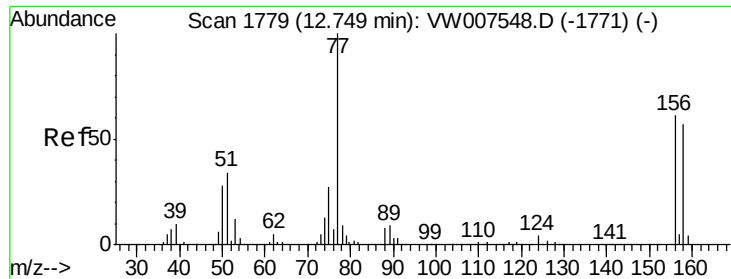
Delta R.T. 0.01 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Tgt Ion:	75	Resp:	11903
Ion Ratio	Lower	Upper	
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 21.014 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

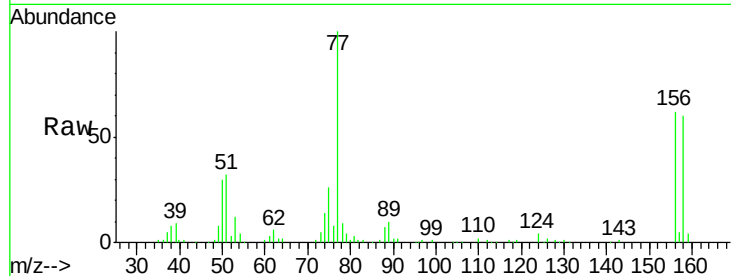
ClientSampleId :

VW1217SBSD02

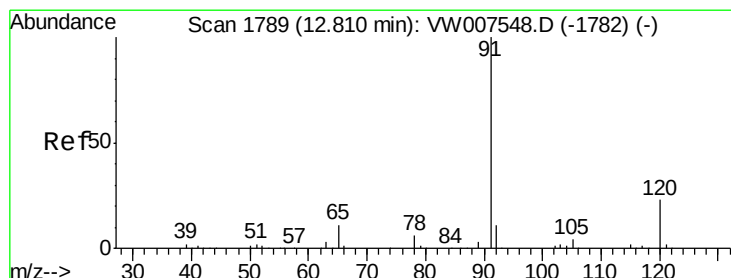
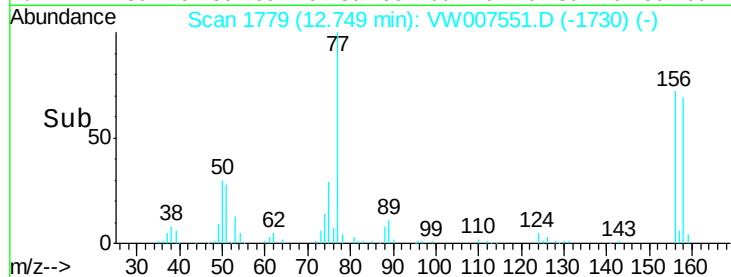
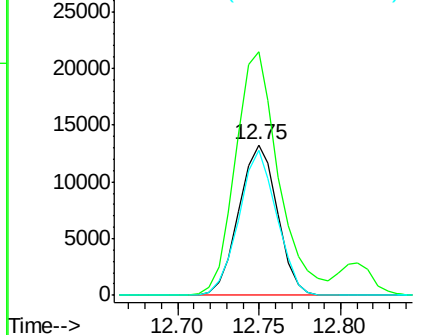
Tgt Ion:	156	Resp:	21719
Ion Ratio	Lower	Upper	
156	100		
77	182.5	88.1	264.4
158	95.1	45.6	136.7

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.212 ug/l

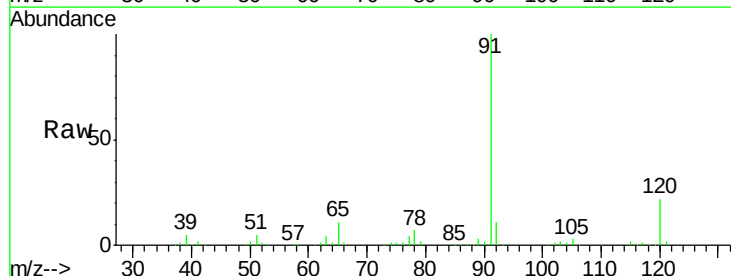
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

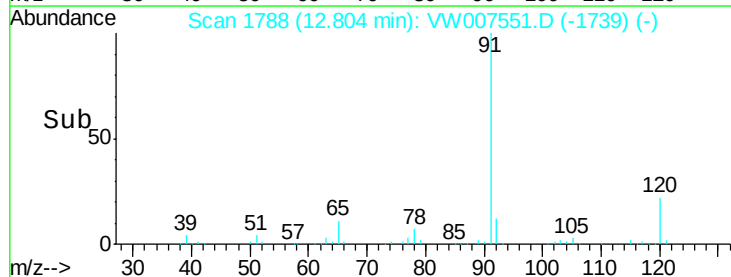
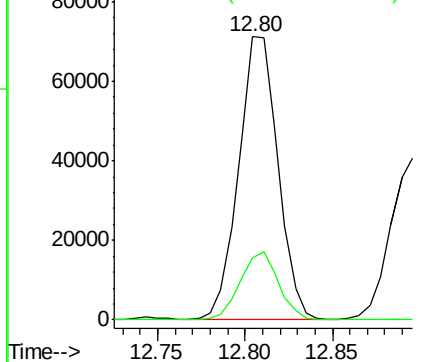
Lab File: VW007551.D

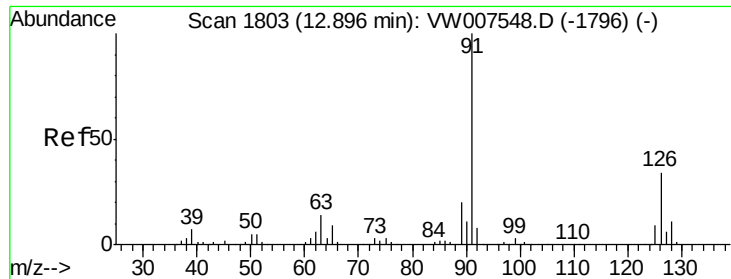
Acq: 15 Dec 2018 00:12

Tgt Ion:	91	Resp:	111311
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





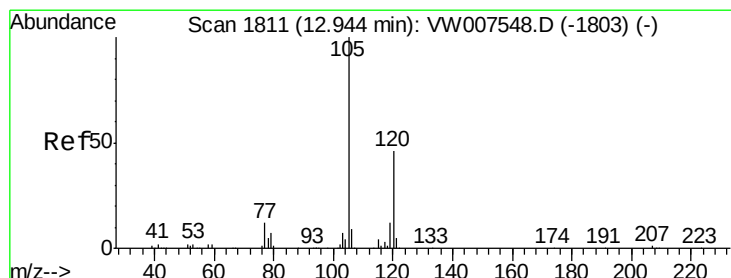
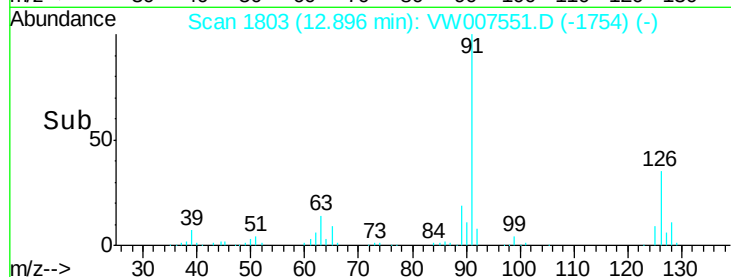
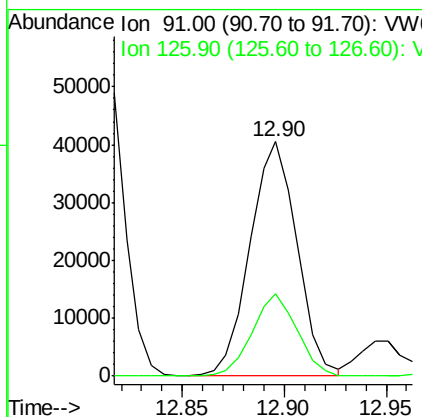
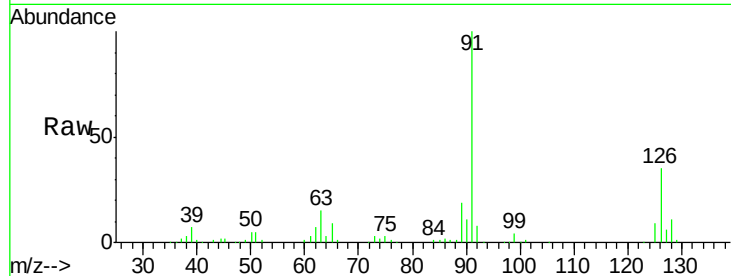
#79
 2-Chlorotoluene
 Concen: 20.508 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD02

Tgt Ion: 91 Resp: 65114
 Ion Ratio Lower Upper
 91 100
 126 33.7 15.9 47.6

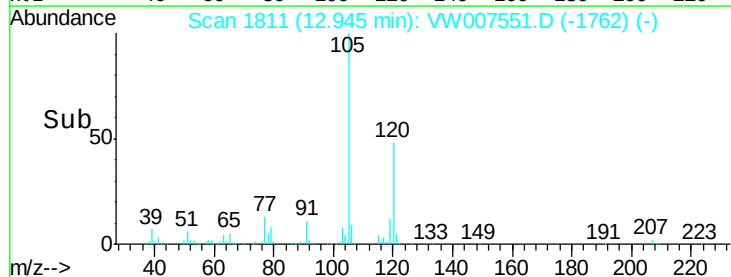
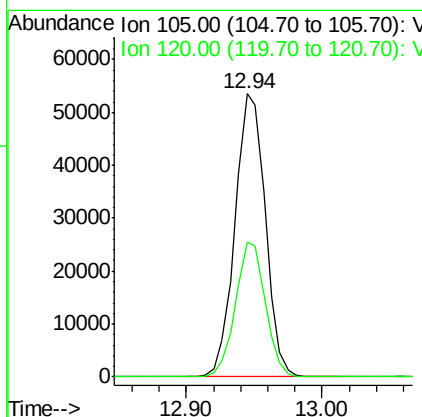
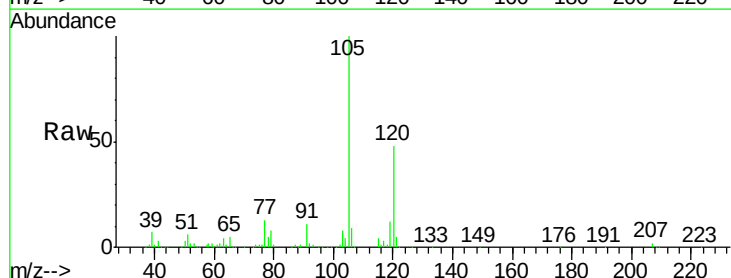
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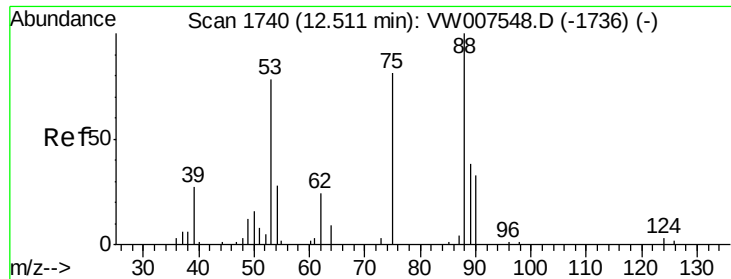
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.174 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion: 105 Resp: 82957
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.344 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Instrument :

MSVOA_W

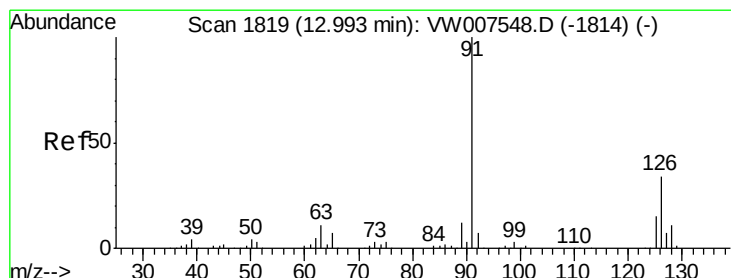
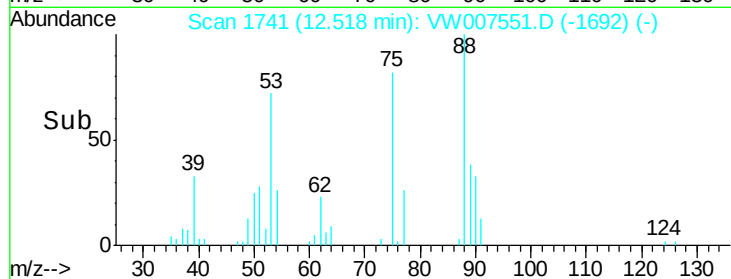
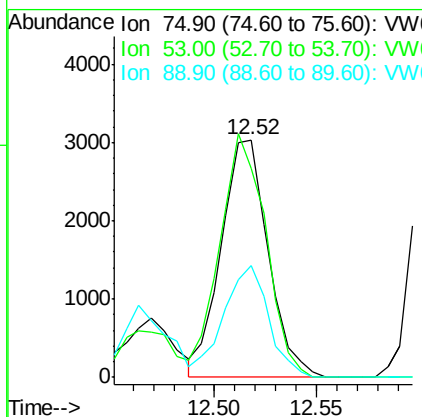
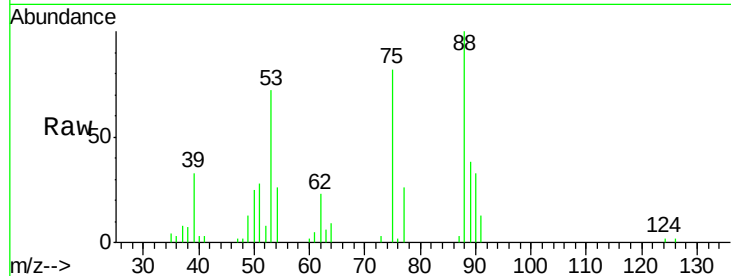
ClientSampleId :

VW1217SBS02

Tgt Ion:	75	Resp:	4848
Ion Ratio	Lower	Upper	
75	100		
53	100.0	84.9	127.3
89	45.1	40.3	60.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.868 ug/l

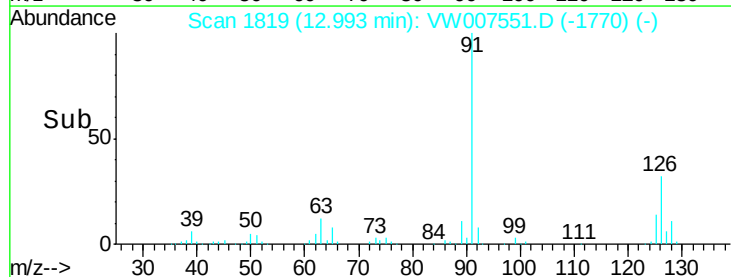
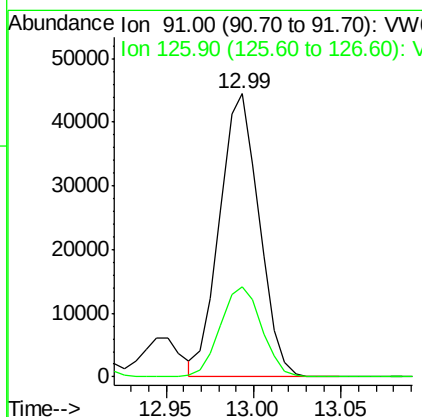
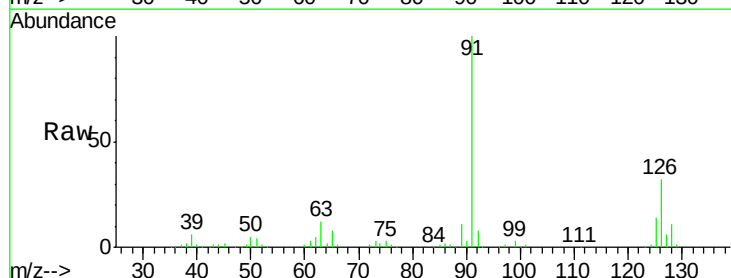
RT: 12.99 min Scan# 1819

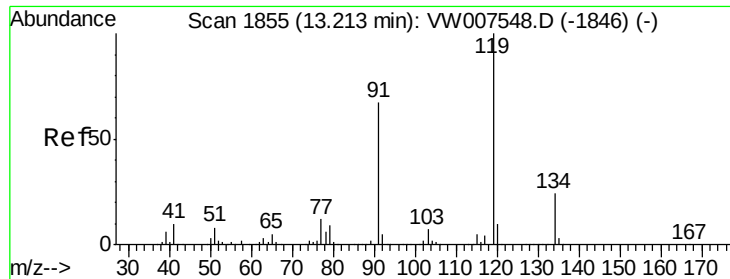
Delta R.T. 0.00 min

Lab File: VW007551.D

Acq: 15 Dec 2018 00:12

Tgt Ion:	91	Resp:	69844
Ion Ratio	Lower	Upper	
91	100		
126	33.4	16.0	48.0





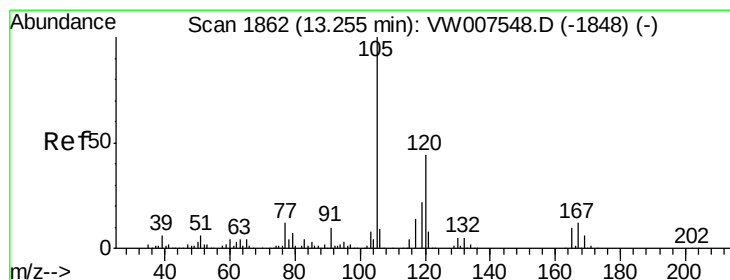
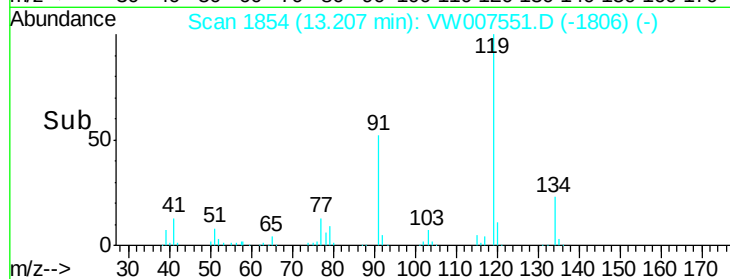
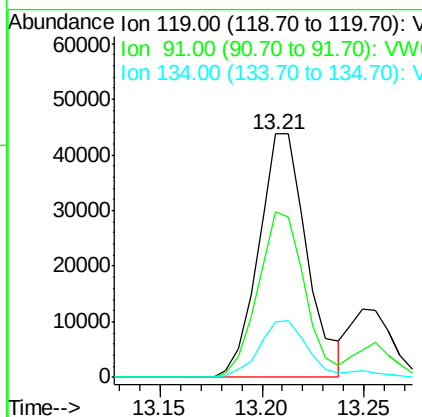
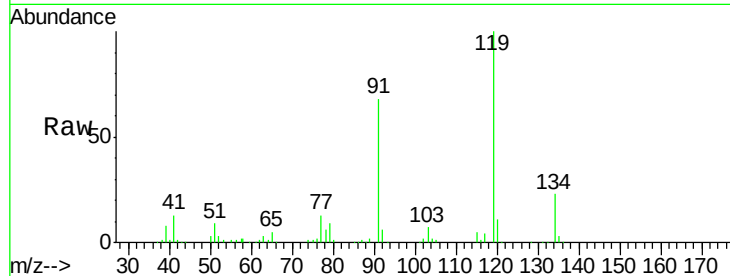
#83
 tert-Butylbenzene
 Concen: 20.885 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.9	33.1	99.2
134	25.1	12.5	37.5

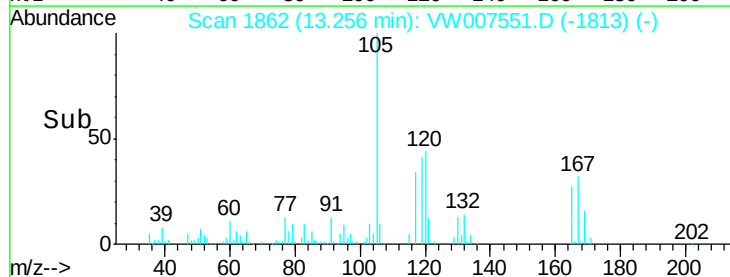
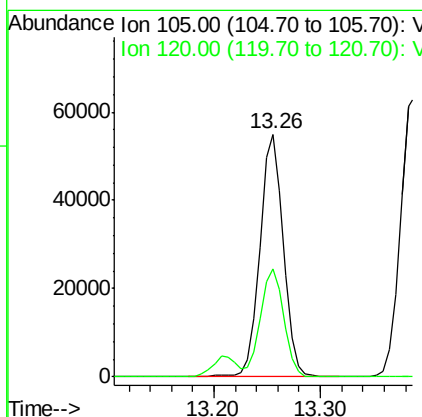
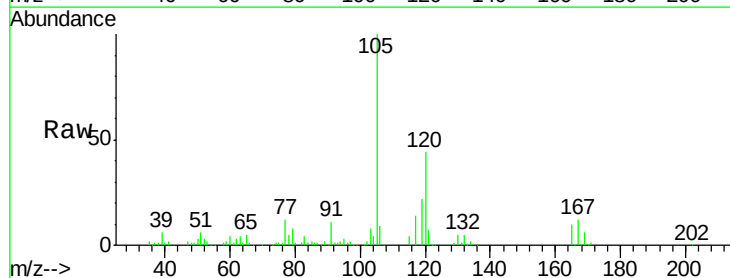
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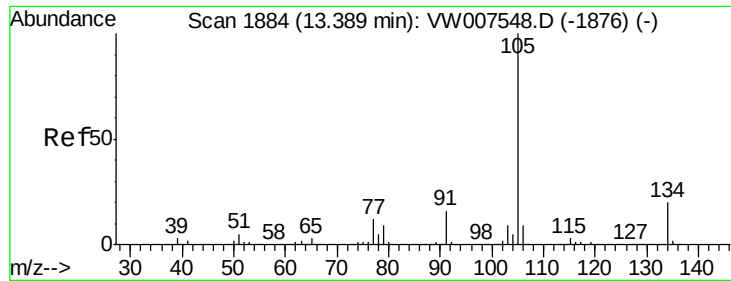
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.997 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.6	67.7





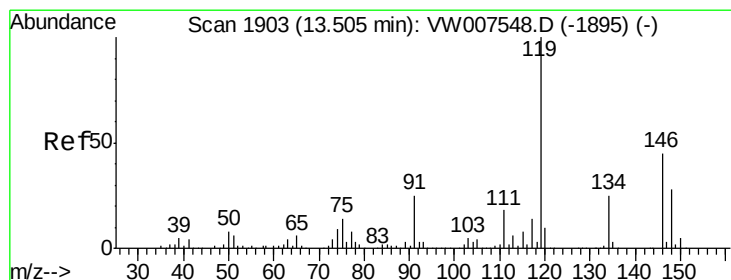
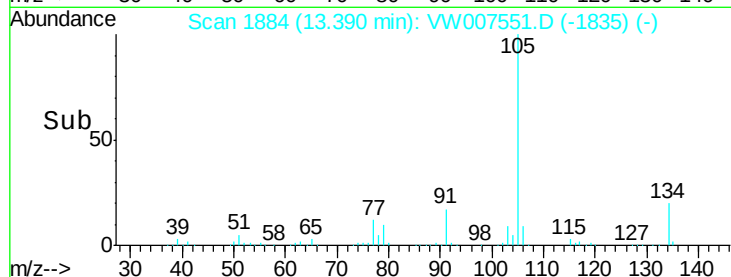
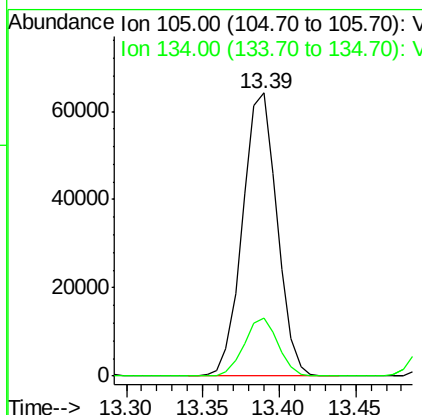
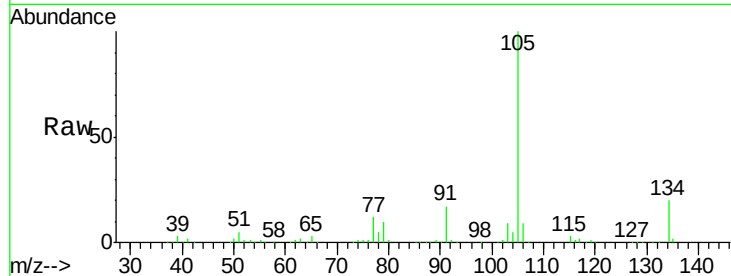
#85
 sec-Butylbenzene
 Concen: 21.327 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD02

Tgt Ion:105 Resp: 100506
 Ion Ratio Lower Upper
 105 100
 134 20.1 11.1 33.3

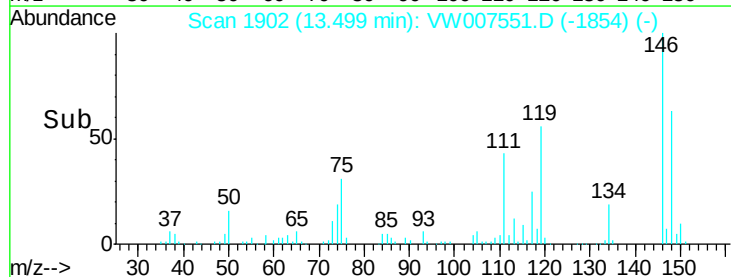
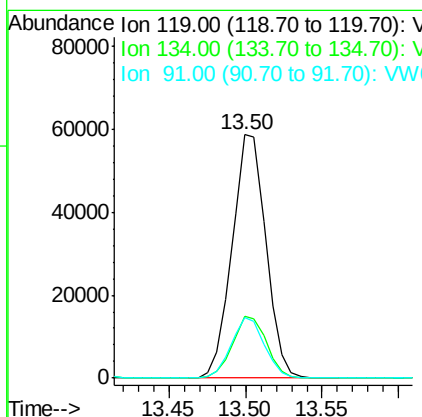
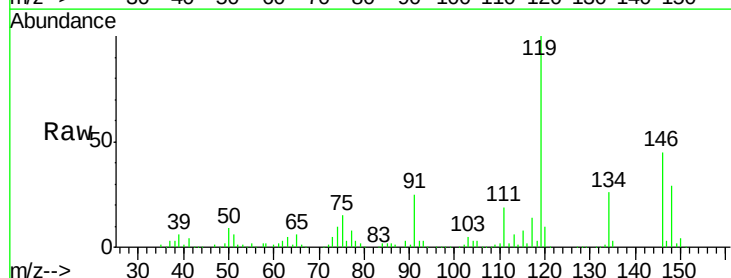
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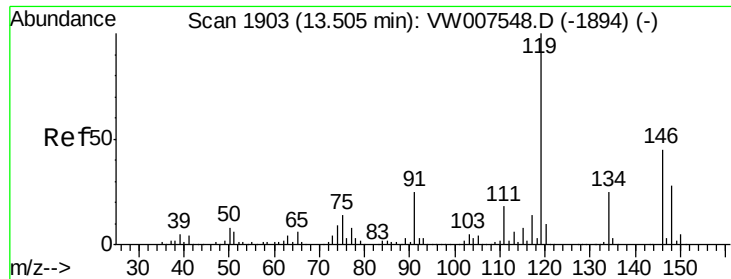
sam
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#86
 p-Isopropyltoluene
 Concen: 21.265 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion:119 Resp: 90029
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.7
 91 24.4 11.9 35.9





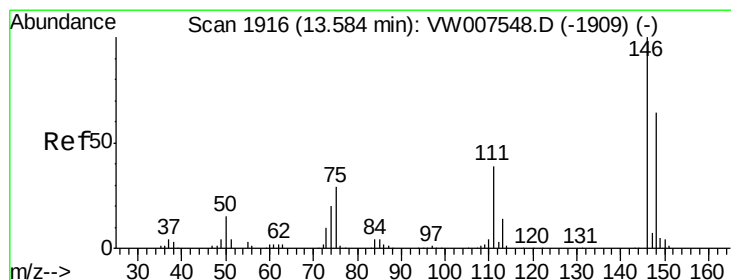
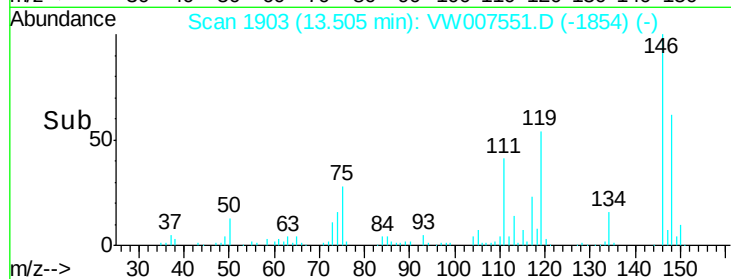
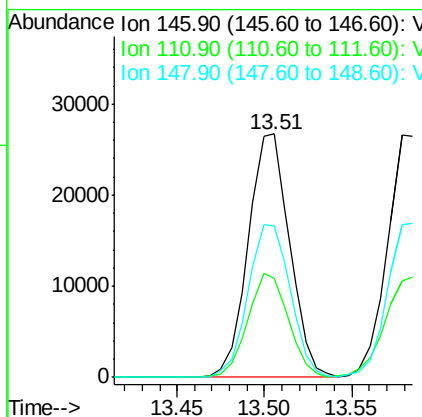
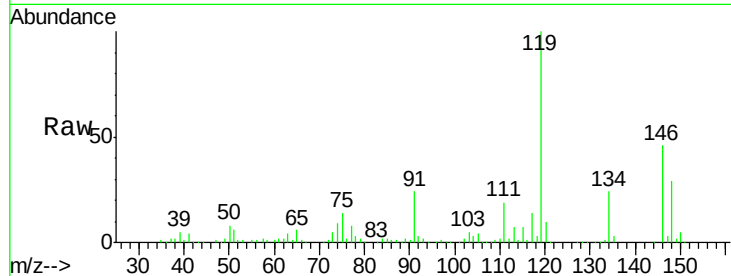
#87
 1,3-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.3
148	64.2	31.4	94.0

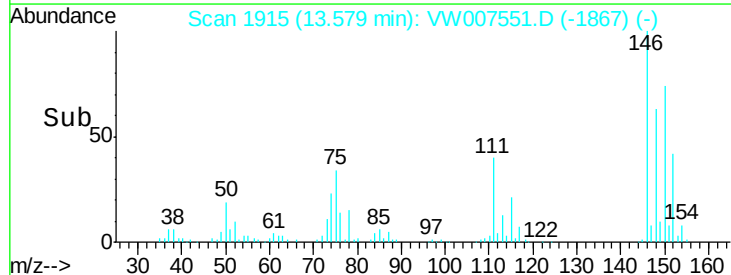
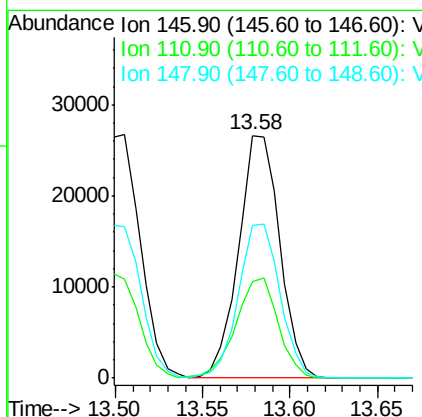
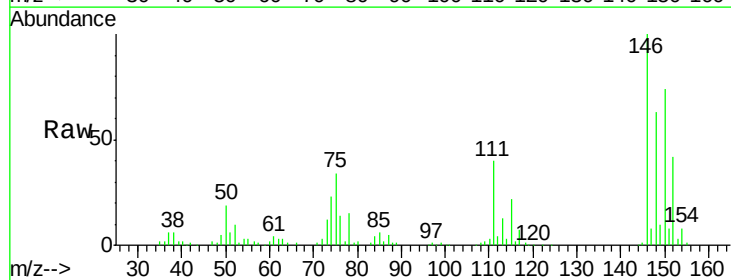
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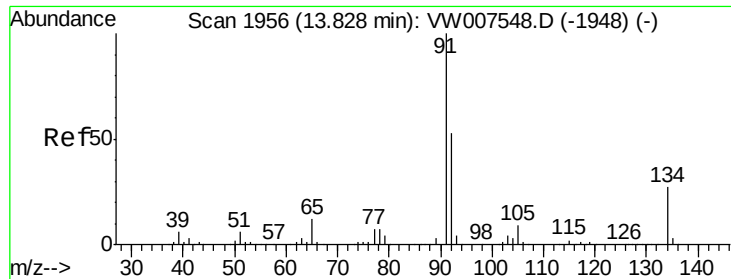
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#88
 1,4-Dichlorobenzene
 Concen: 21.072 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	61.0
148	63.8	33.5	100.5





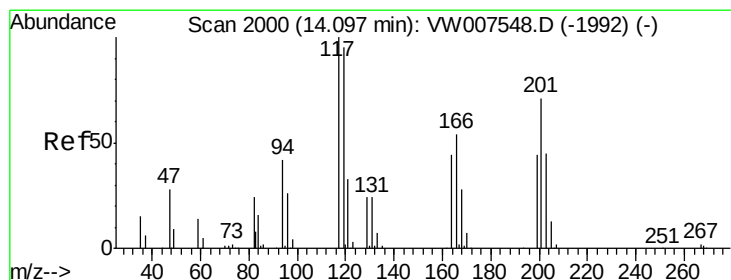
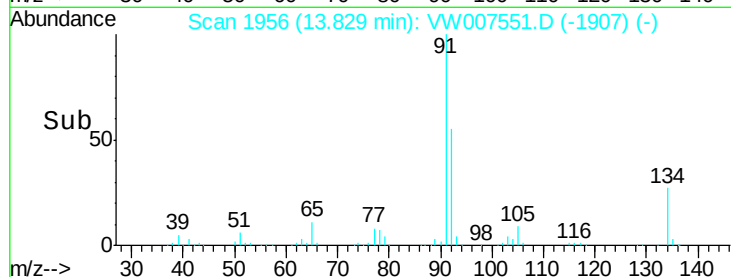
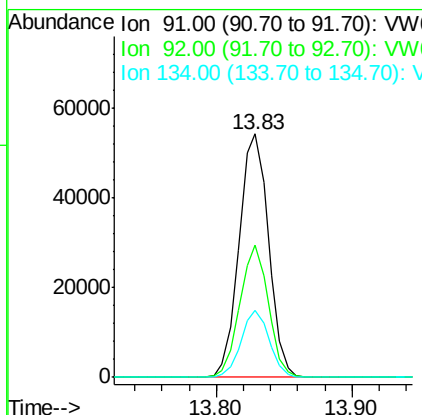
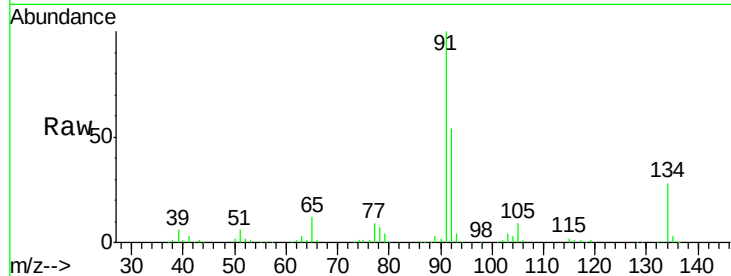
#89
n-Butylbenzene
Concen: 20.900 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion: 91 Resp: 82030
Ion Ratio Lower Upper
91 100
92 52.5 25.7 77.1
134 26.2 13.4 40.2

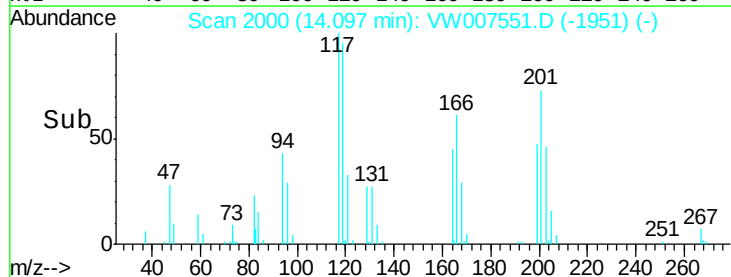
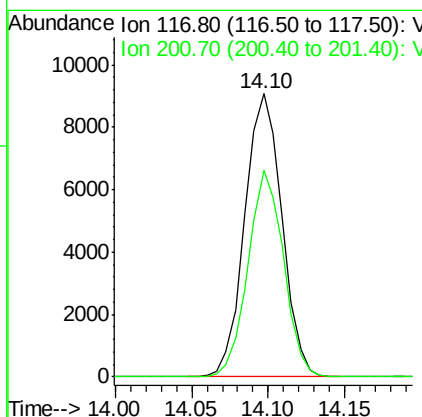
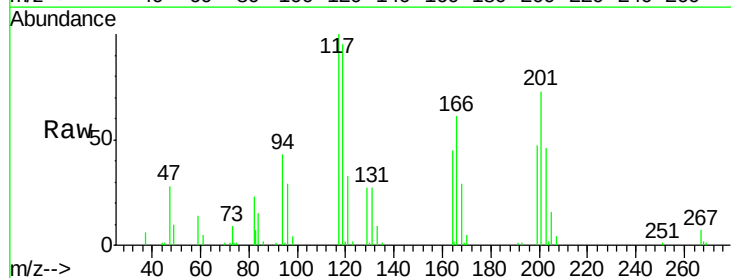
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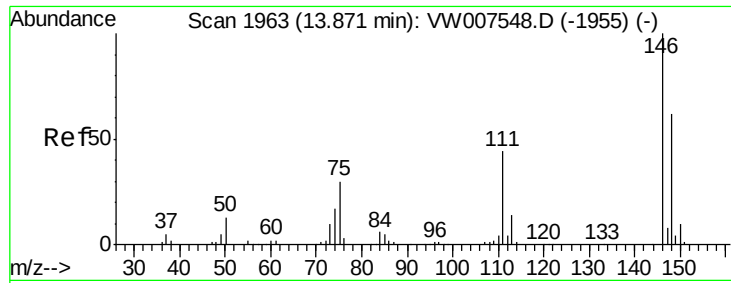
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#90
Hexachloroethane
Concen: 20.348 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion: 117 Resp: 15328
Ion Ratio Lower Upper
117 100
201 69.7 35.3 105.9





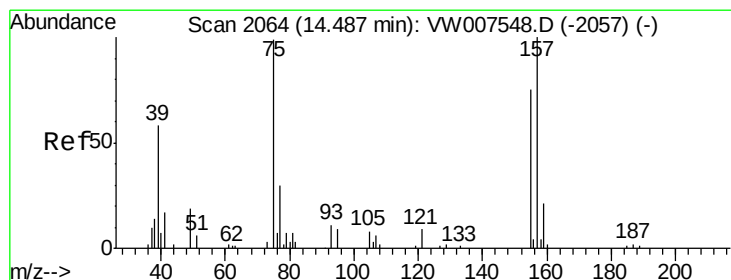
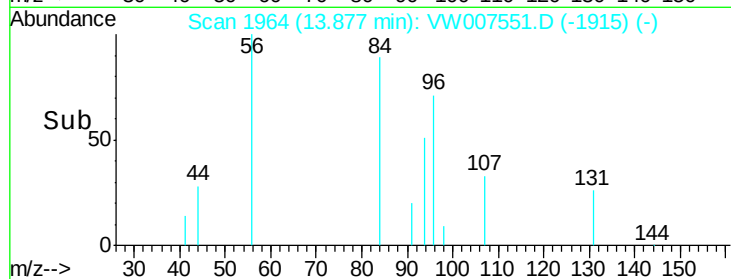
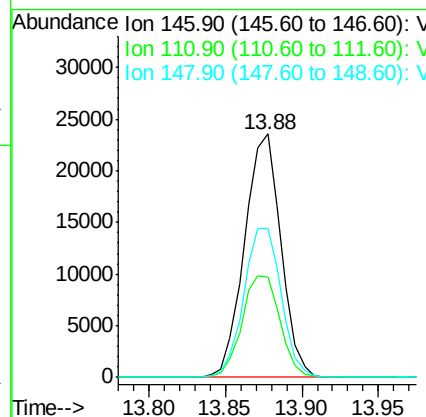
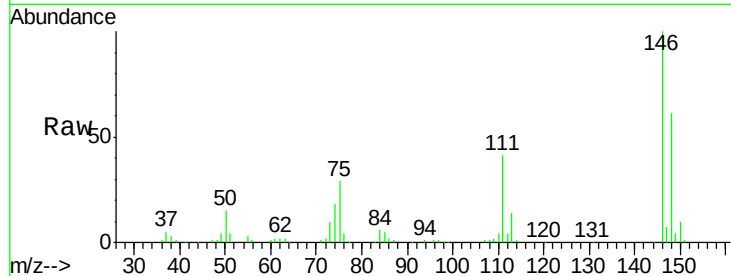
#91
 1,2-Dichlorobenzene
 Concen: 21.057 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.4	67.2
148	63.3	32.4	97.2

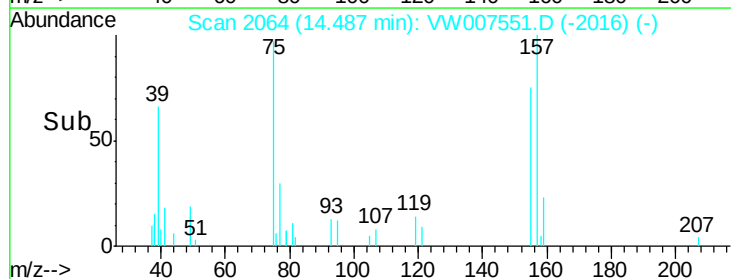
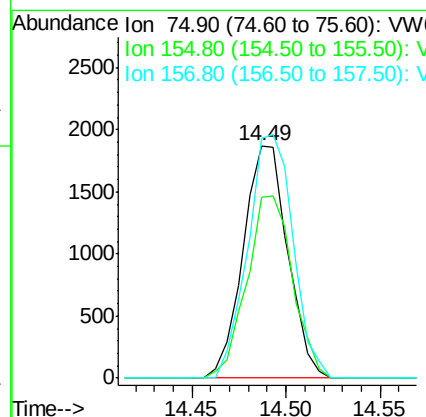
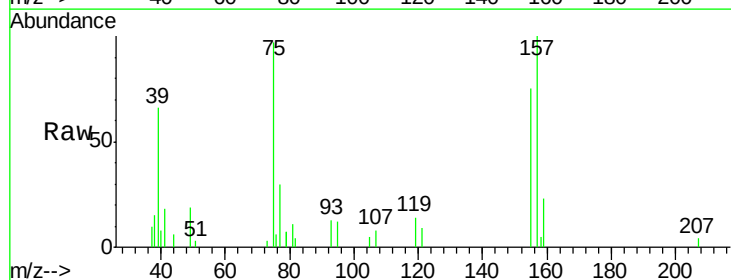
Manual Integrations
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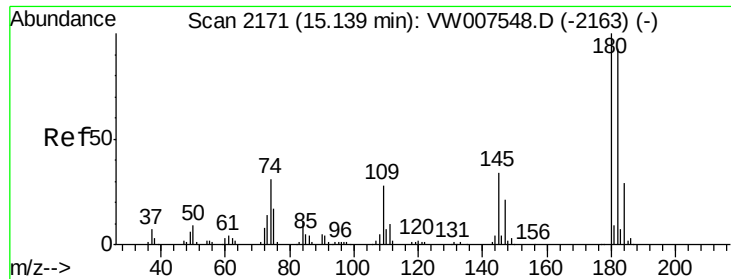
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.087 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007551.D
 Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	40.8	122.2
157	106.6	51.1	153.4





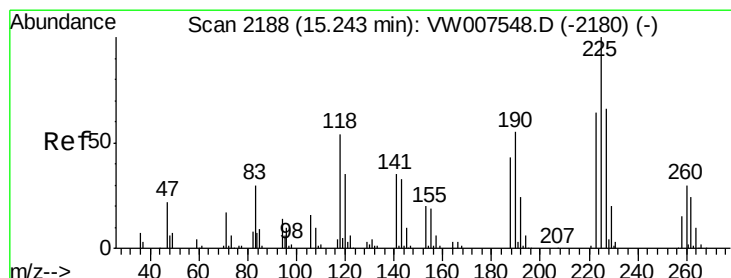
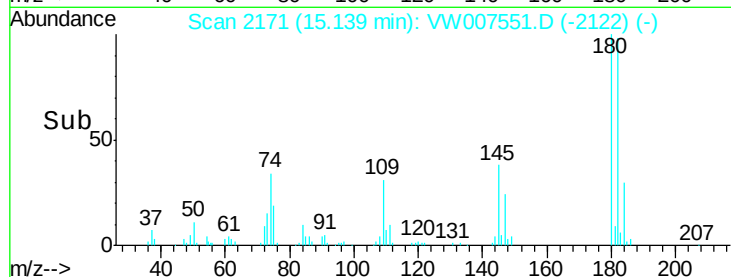
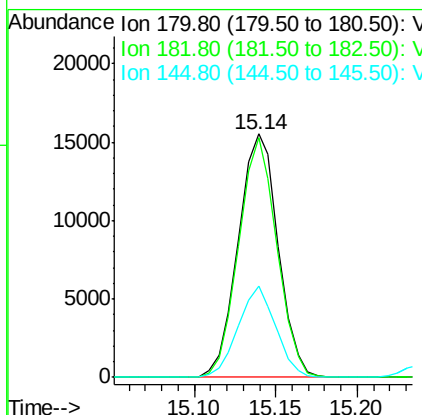
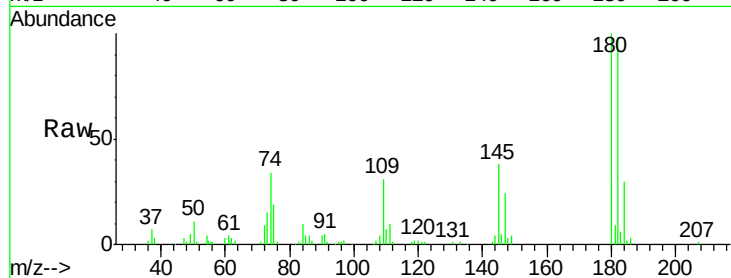
#93
1,2,4-Trichlorobenzene
Concen: 20.790 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	49.9	149.6
145	35.2	17.8	53.4

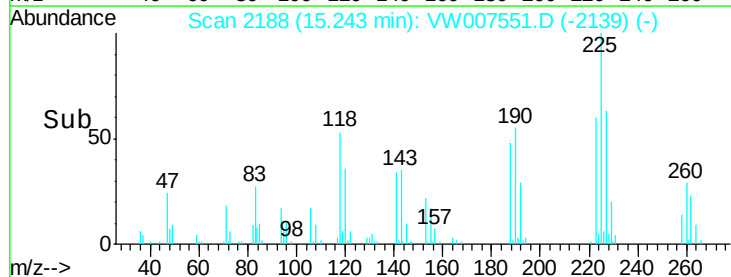
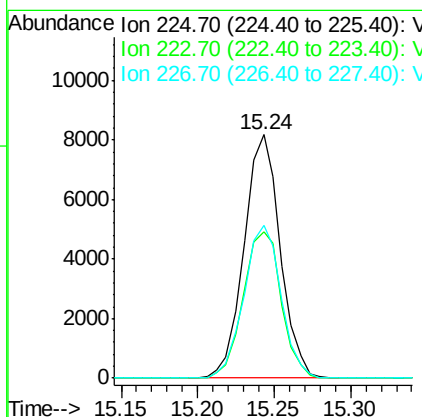
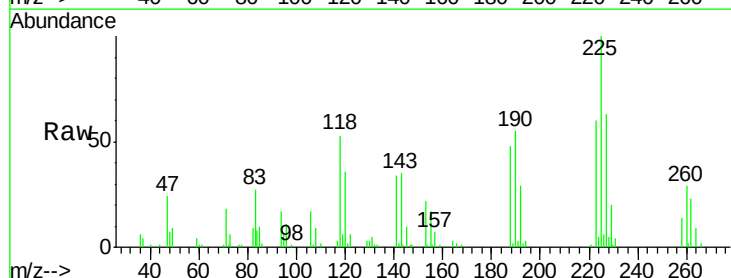
Manual Integrations
APPROVED

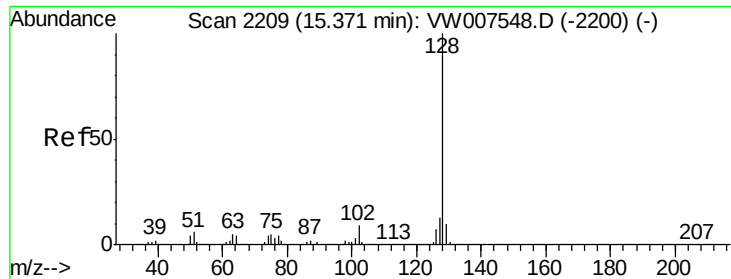
sam
12/27/2018 8:20:24 AM



#94
Hexachlorobutadiene
Concen: 19.880 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.1	96.3
227	64.3	31.9	95.9





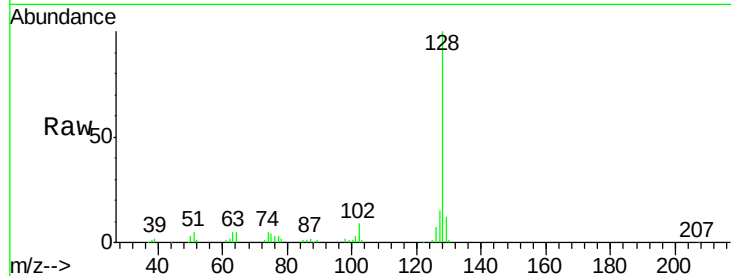
#95
Naphthalene
Concen: 21.495 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD02

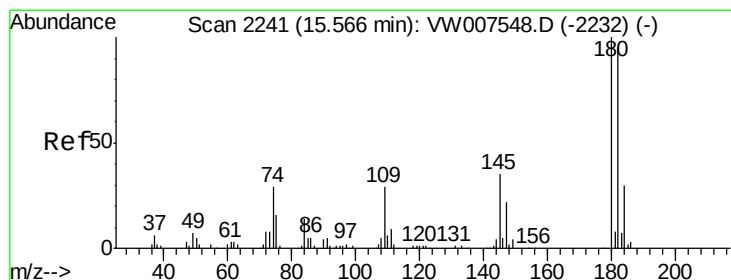
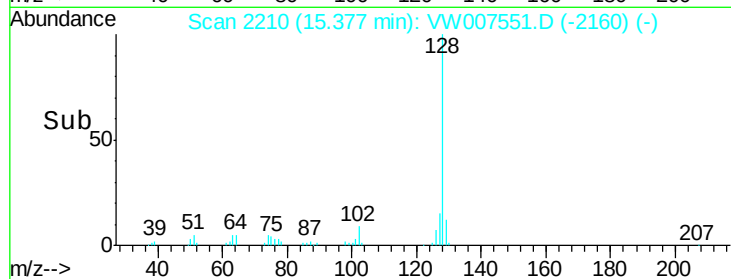
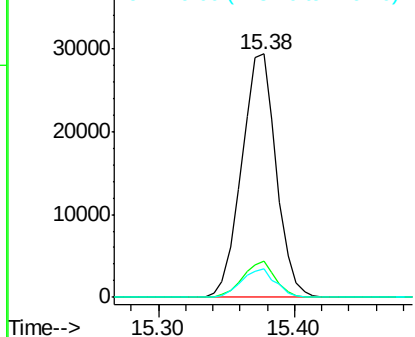
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	52229		
127	13.8		10.2	15.4
129	11.4		8.3	12.5

Manual Integrations
APPROVED

sam
12/27/2018 8:20:24 AM

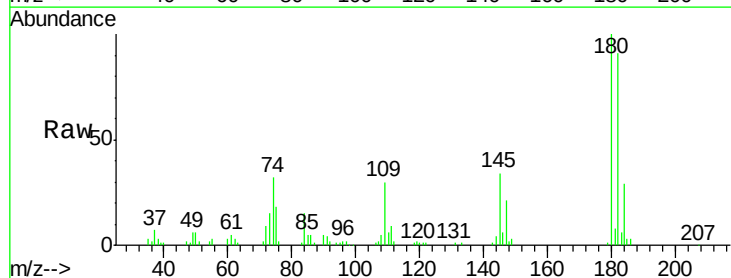


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.956 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007551.D
Acq: 15 Dec 2018 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	23122		
182	94.9		45.6	136.7
145	36.7		17.5	52.5



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

