

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030220\
 Data File : VV014727.D
 Acq On : 02 Mar 2020 13:12
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 03 00:52:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 03 00:49:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	284330	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	269360	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	140188	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101311	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.58	69	81884	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.13	63	176054	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	3.97	46	216954	47.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.30%
24) Chloroform-d	4.39	84	193686	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	96710	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.09	84	383726	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.11	67	120747	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.35	98	354694	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.66	79	46658	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.13	63	169856	44.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.86%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	85139	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.66	152	125889	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	150385	4.816	ug/L 99
3) Chloromethane	1.25	50	131454	4.571	ug/L 100
5) Vinyl chloride	1.32	62	121326	4.589	ug/L 97
6) Bromomethane	1.54	94	70600	4.740	ug/L 99
8) Chloroethane	1.60	64	70004	4.727	ug/L 98
9) Trichlorofluoromethane	1.77	101	170899	4.746	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	88881	4.717	ug/L 99
12) 1,1-Dichloroethene	2.14	96	84966	4.742	ug/L 99
13) Acetone	2.24	43	37788	12.204	ug/L # 45
14) Carbon disulfide	2.32	76	256131	4.192	ug/L 98
15) Methyl Acetate	2.48	43	21654	2.756	ug/L # 67
16) Methylene chloride	2.53	84	89914	4.012	ug/L 93
17) Methyl tert-butyl Ether	2.81	73	224797	4.612	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	98557	4.550	ug/L 97
19) 1,1-Dichloroethane	3.23	63	199654	4.712	ug/L 100
21) 2-Butanone	4.05	43	244656	46.426	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	109502	4.729	ug/L 100

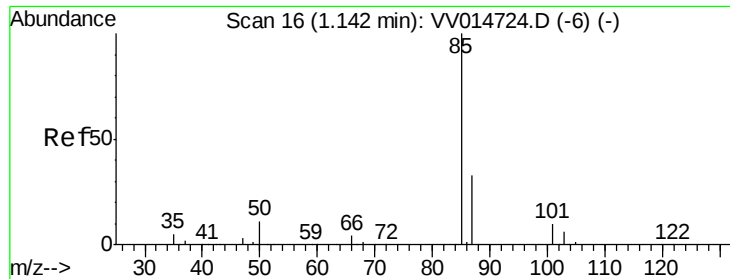
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030220\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 03 00:49:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	42940	4.621	ug/L	98
25) Chloroform	4.42	83	193193	4.646	ug/L	98
27) 1,2-Dichloroethane	5.17	62	112577	4.421	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	168187	4.736	ug/L	99
30) Cyclohexane	4.72	56	186006	4.653	ug/L	100
31) Carbon tetrachloride	4.87	117	148452	4.853	ug/L	99
33) Benzene	5.14	78	429069	4.851	ug/L	100
34) Trichloroethene	5.95	95	111668	4.820	ug/L	95
35) Methylcyclohexane	6.17	83	189618	4.812	ug/L	100
37) 1,2-Dichloropropane	6.22	63	107764	4.770	ug/L	98
38) Bromodichloromethane	6.55	83	134013	4.863	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	159732	4.880	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	644240	47.620	ug/L	99
42) Toluene	7.42	91	456090	4.870	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	123624	4.868	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	68808	4.770	ug/L	98
47) Tetrachloroethene	8.01	164	89062	4.808	ug/L	98
48) 2-Hexanone	8.18	43	457400	47.451	ug/L	97
49) Dibromochloromethane	8.28	129	83633	5.128	ug/L	99
50) 1,2-Dibromoethane	8.39	107	64984	4.720	ug/L	98
51) Chlorobenzene	8.92	112	282111	4.757	ug/L	99
52) Ethylbenzene	9.05	91	509208	4.795	ug/L	100
53) m,p-xylene	9.17	106	189380	4.871	ug/L	99
54) o-xylene	9.58	106	180938	4.781	ug/L	96
55) Styrene	9.60	104	313760	4.934	ug/L	98
56) Isopropylbenzene	9.97	105	502706	4.917	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	85271	4.728	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	62188	4.712	ug/L	99
61) Bromoform	9.77	173	44646	5.412	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	233077	4.863	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	231200	4.722	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	206677	4.668	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	13686	4.671	ug/L	99
67) 1,3,5-Trichlorobenzene	12.68	180	188999	4.860	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	160762	4.814	ug/L	97
69) Naphthalene	13.54	128	253613	4.664	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	141955	4.763	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.816 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

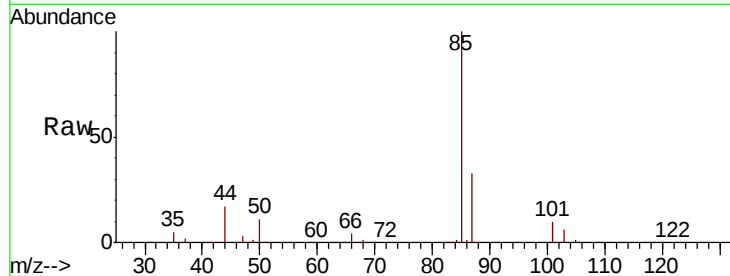
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 150385

Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014727.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV014727.D (-6) (-)

1.14

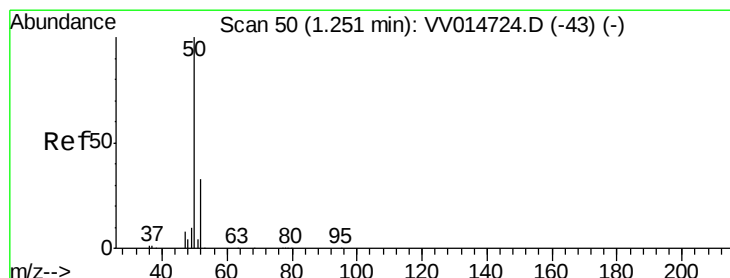
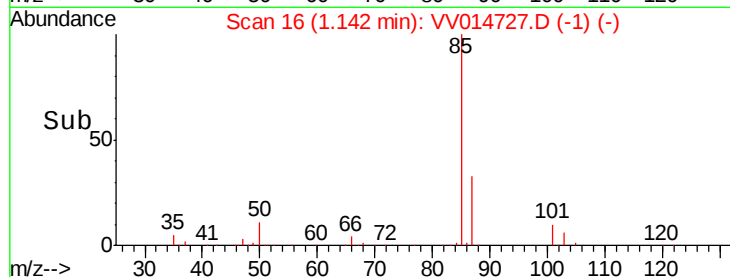
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.571 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014727.D

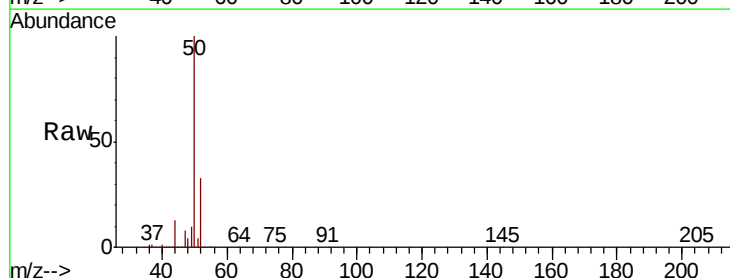
Acq: 02 Mar 2020 13:12

Tgt Ion: 50 Resp: 131454

Ion Ratio Lower Upper

50 100

52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV014727.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV014727.D (-1) (-)

1.25

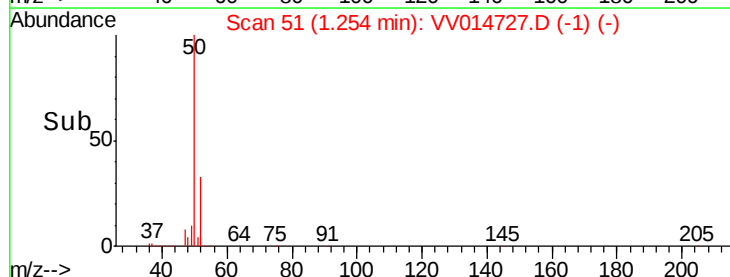
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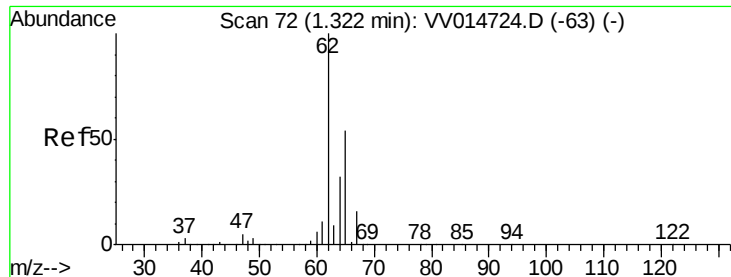
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.589 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

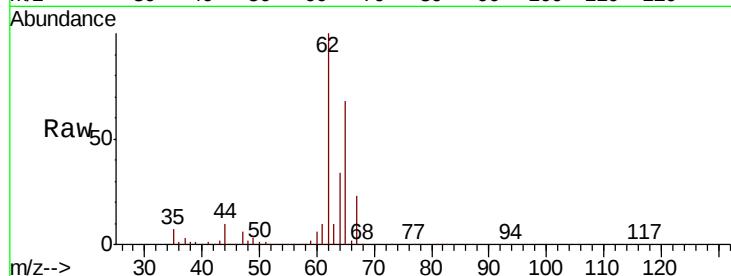
ClientSampleId :

Tot Ion: 62 Resp: 121326

Ion Ratio Lower Upper

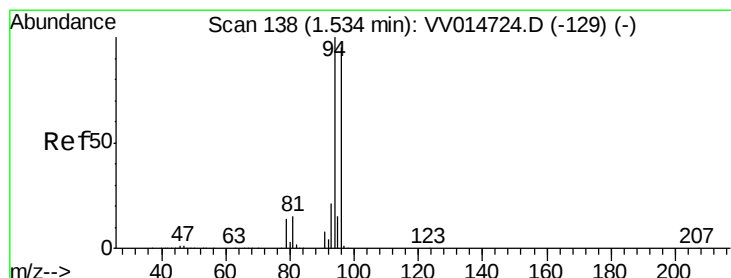
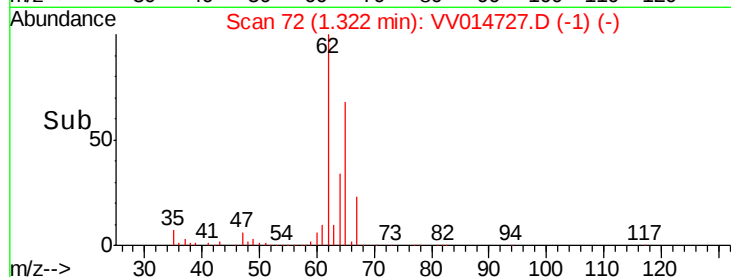
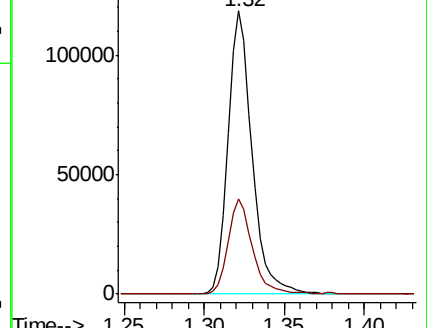
62 100

64 33.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV014727.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV014727.D (-63) (-)



#6

Bromomethane

Concen: 4.740 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014727.D

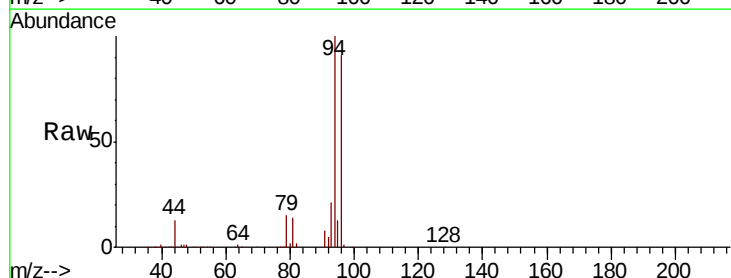
Acq: 02 Mar 2020 13:12

Tgt Ion: 94 Resp: 70600

Ion Ratio Lower Upper

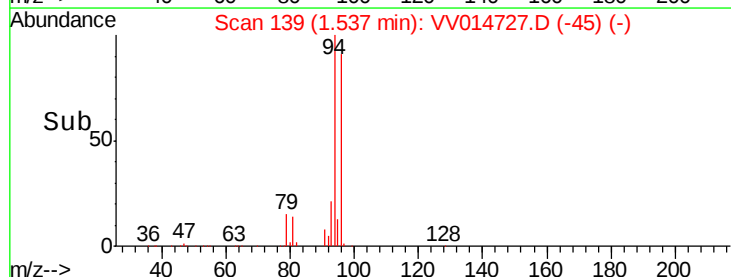
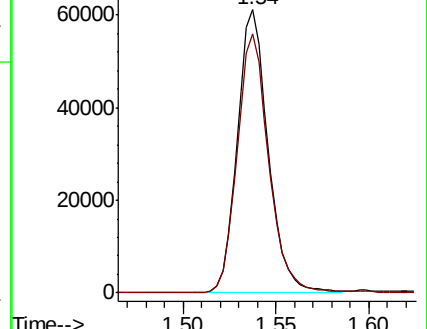
94 100

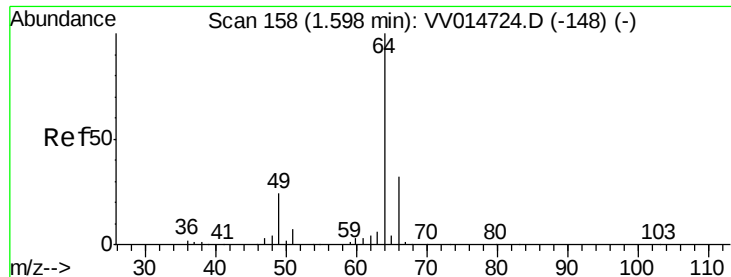
96 91.3 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VV014727.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014727.D (-129) (-)





#8

Chloroethane

Concen: 4.727 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

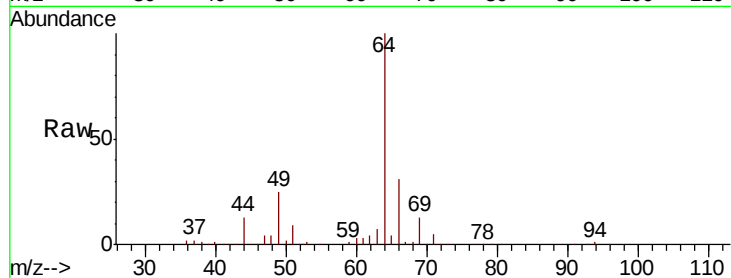
ClientSampleId :

Tot Ion: 64 Resp: 70004

Ion Ratio Lower Upper

64 100

66 31.2 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VV014727.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV014727.D (-148) (-)

1.60

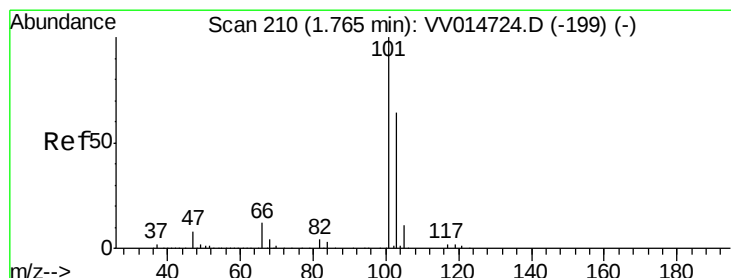
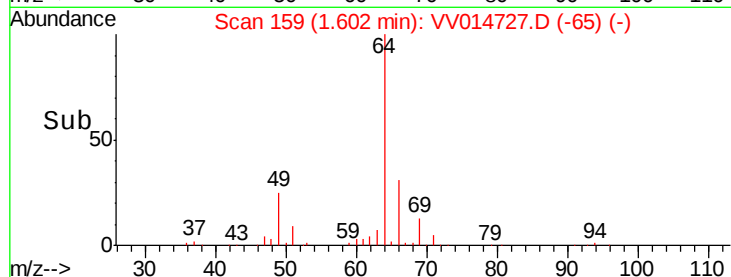
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.746 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014727.D

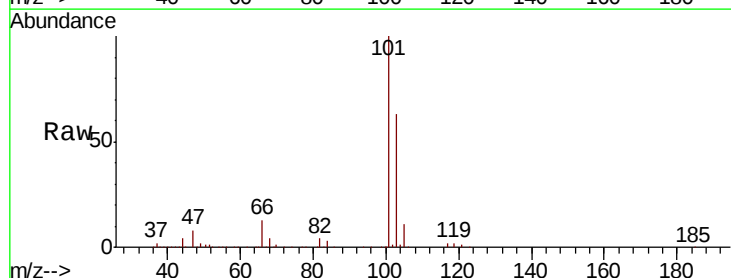
Acq: 02 Mar 2020 13:12

Tgt Ion: 101 Resp: 170899

Ion Ratio Lower Upper

101 100

103 62.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014727.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014727.D (-199) (-)

1.77

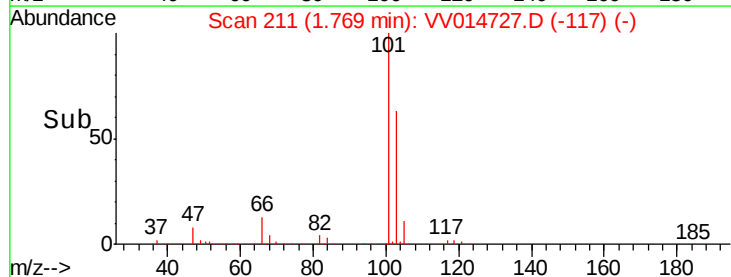
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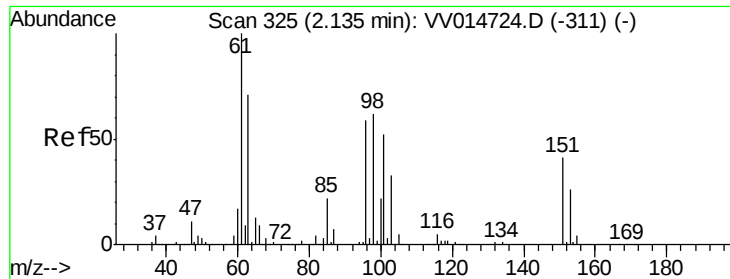
100000

50000

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Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.717 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

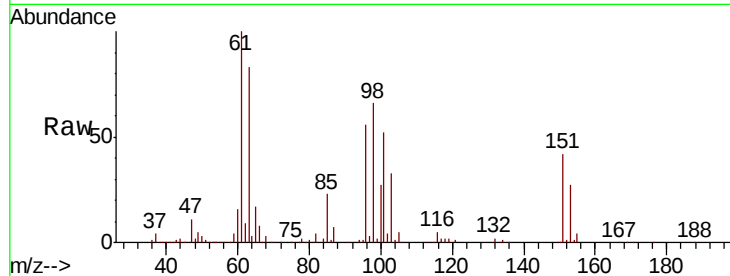
Tot Ion:101 Resp: 88881

Ion Ratio Lower Upper

101 100

85 43.8 35.3 52.9

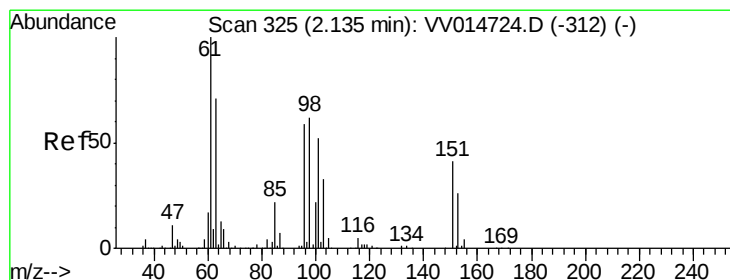
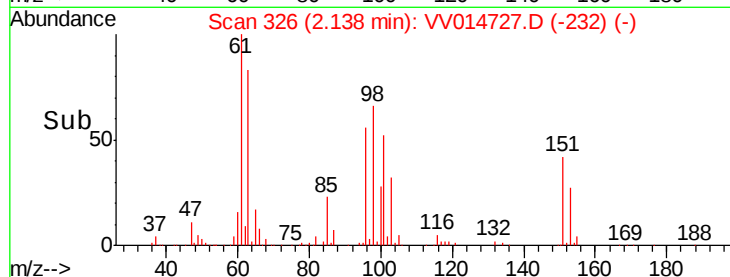
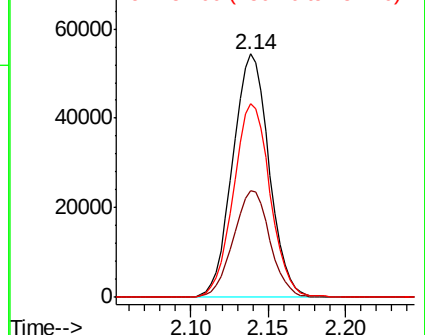
151 80.4 65.3 97.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.742 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

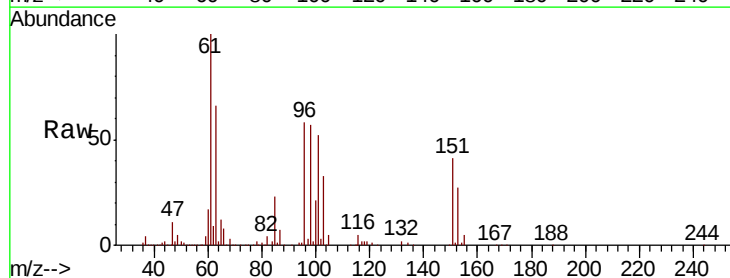
Tgt Ion: 96 Resp: 84966

Ion Ratio Lower Upper

96 100

61 172.2 121.3 225.3

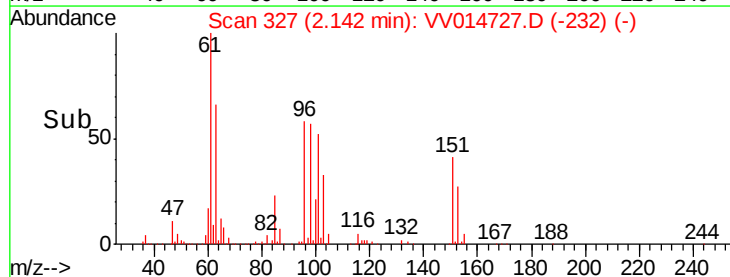
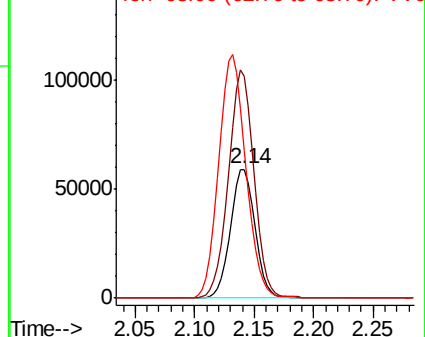
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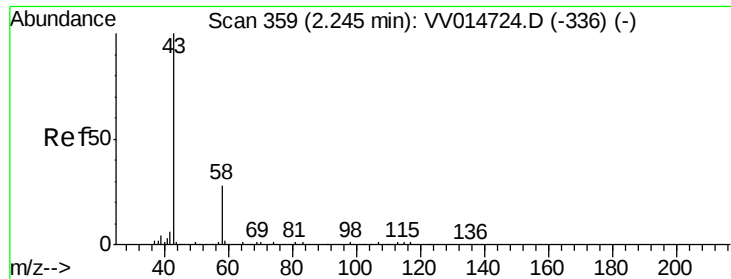


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 12.204 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

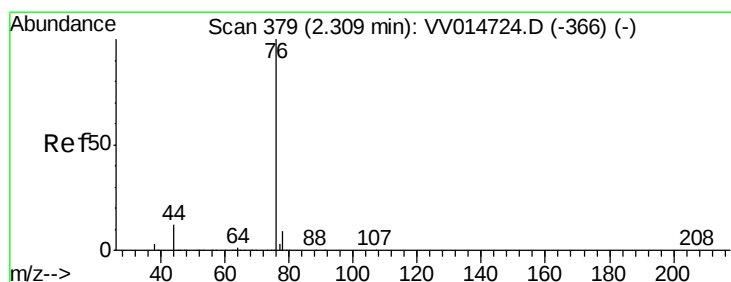
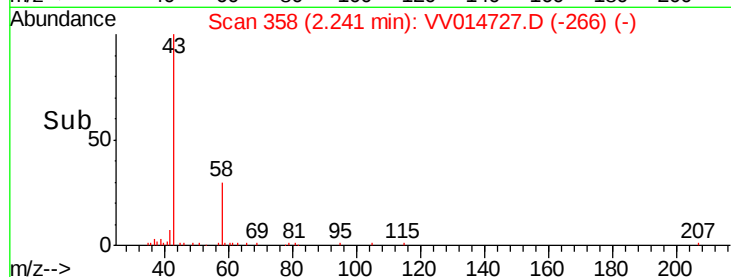
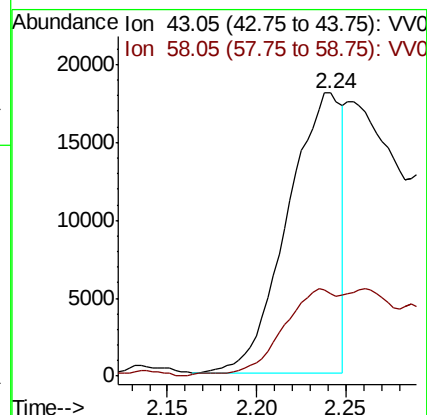
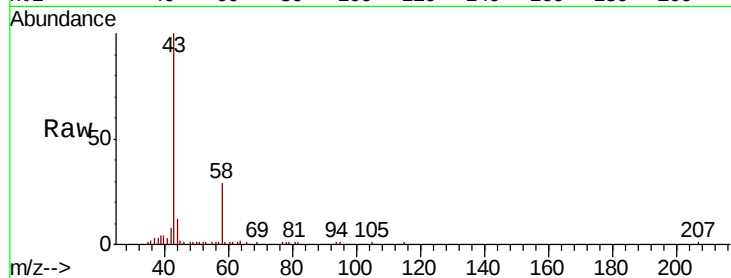
ClientSampleId :

Tot Ion: 43 Resp: 37788

Ion Ratio Lower Upper

43 100

58 30.5 0.0 20.0#



#14

Carbon disulfide

Concen: 4.192 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV014727.D

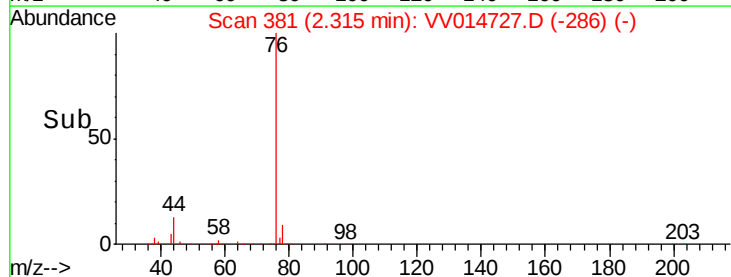
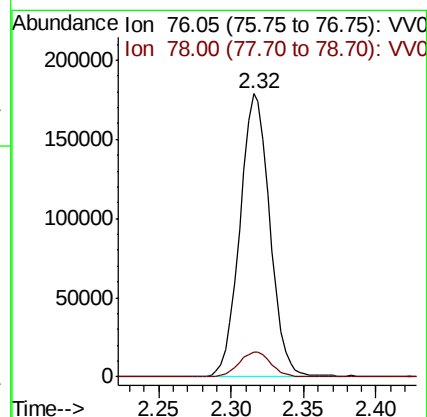
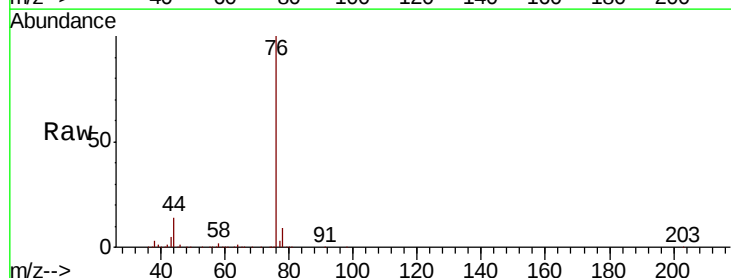
Acq: 02 Mar 2020 13:12

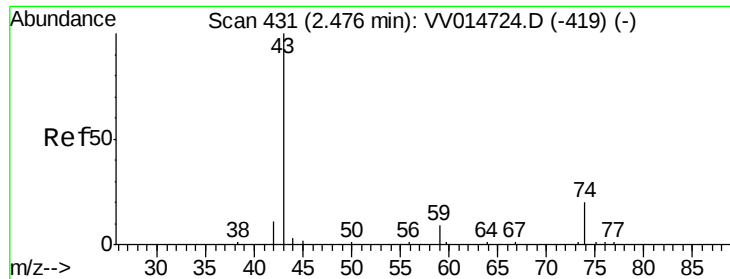
Tgt Ion: 76 Resp: 256131

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4

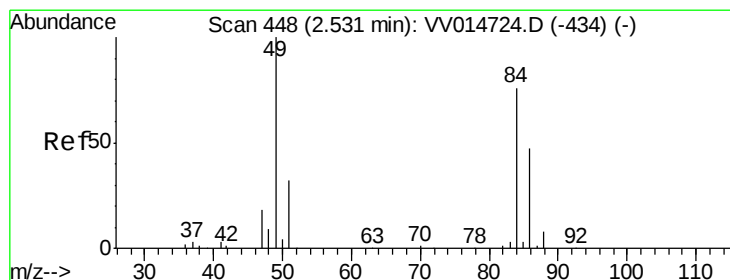
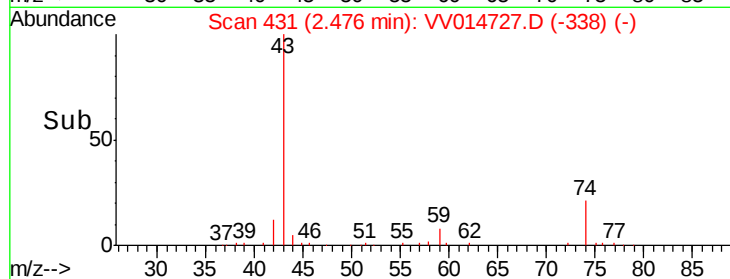
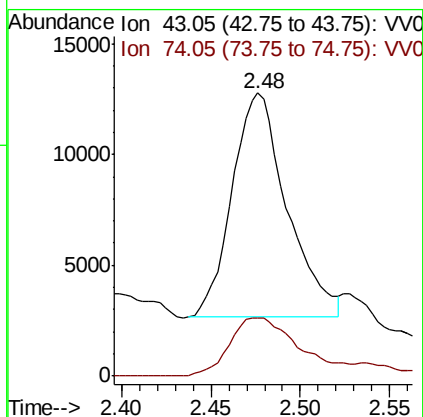
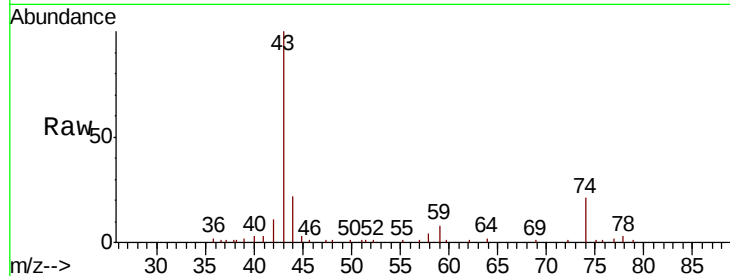




#15
Methvl Acetate
Concen: 2.756 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

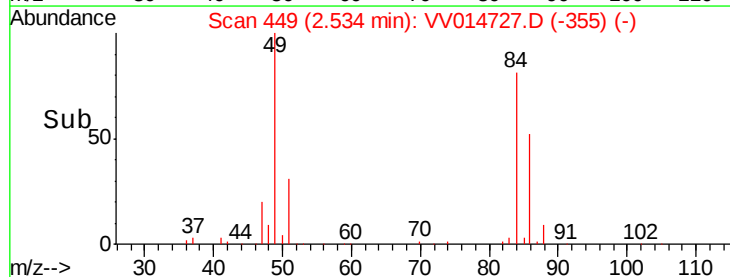
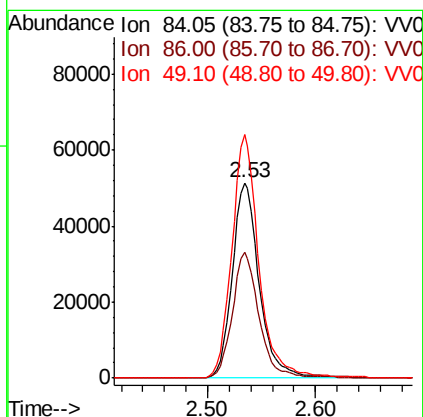
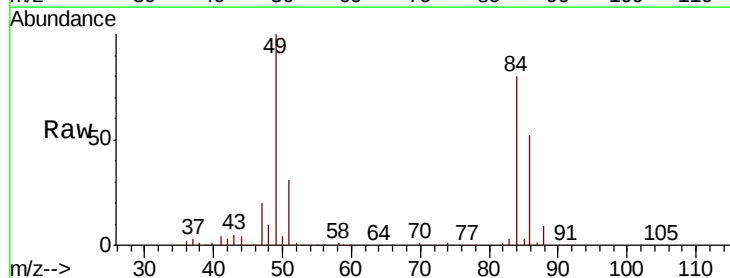
Instrument :
MSVOA_V
ClientSampled :

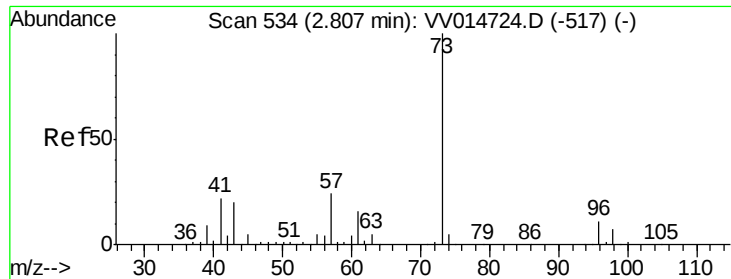
Tot Ion: 43 Resp: 21654
Ion Ratio Lower Upper
43 100
74 33.3 14.8 22.2#



#16
Methylene chloride
Concen: 4.012 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Tgt Ion: 84 Resp: 89914
Ion Ratio Lower Upper
84 100
86 64.4 44.9 83.5
49 124.7 95.6 177.6



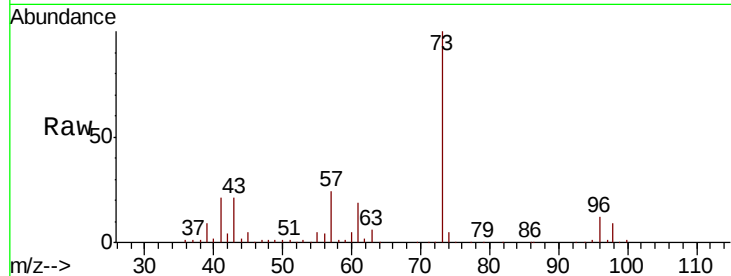


#17

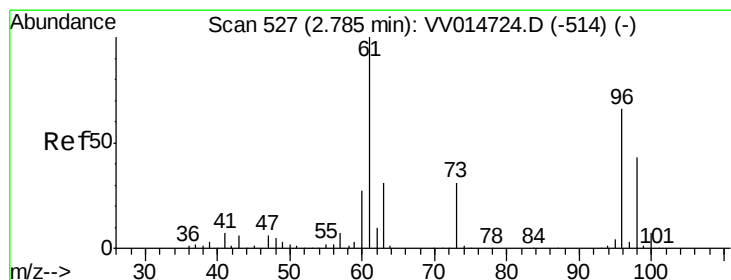
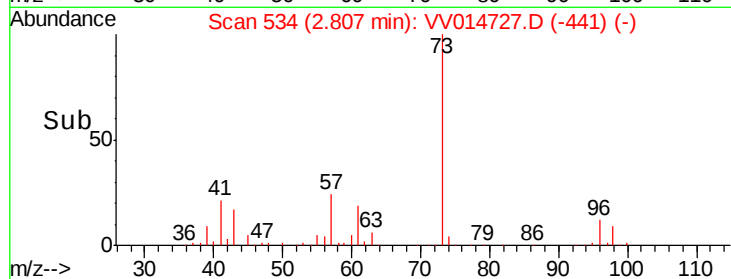
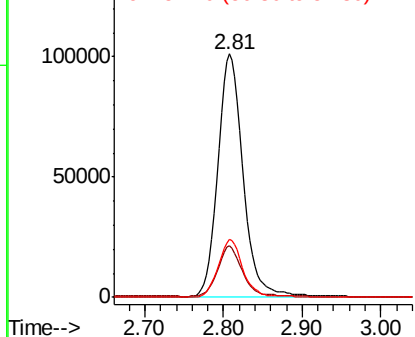
Methvl tert-butvl Ether
 Concen: 4.612 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	73	Resp	224797
Ion Ratio	Lower	Upper	
73	100		
43	20.1	16.0	24.0
57	23.4	18.4	27.6



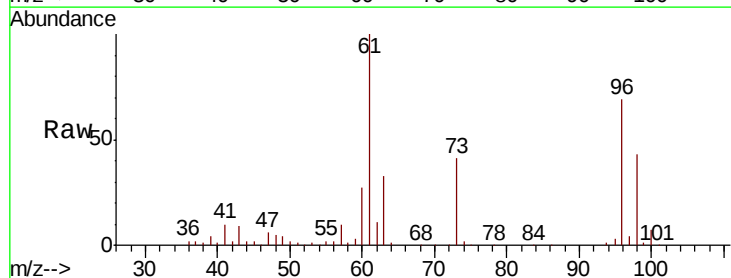
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



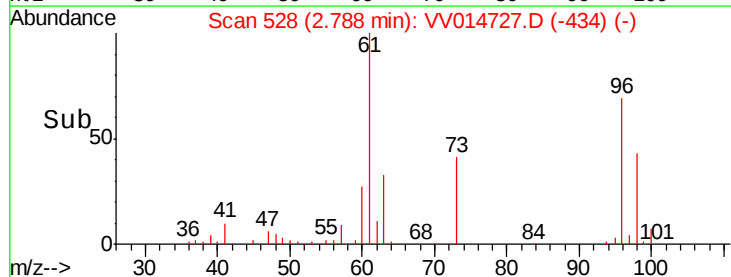
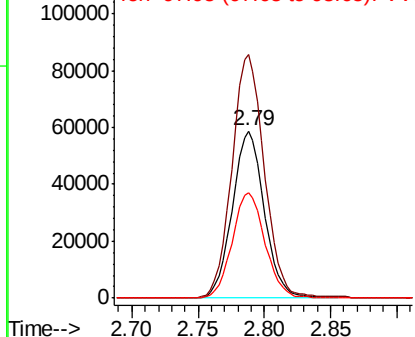
#18

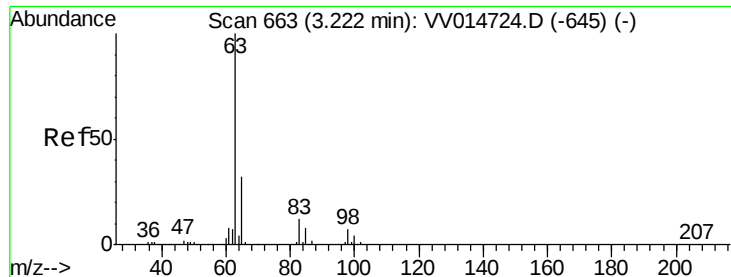
trans-1,2-Dichloroethene
 Concen: 4.550 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

Tgt Ion	96	Resp	98557
Ion Ratio	Lower	Upper	
96	100		
61	145.7	104.9	194.9
98	63.0	42.9	79.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

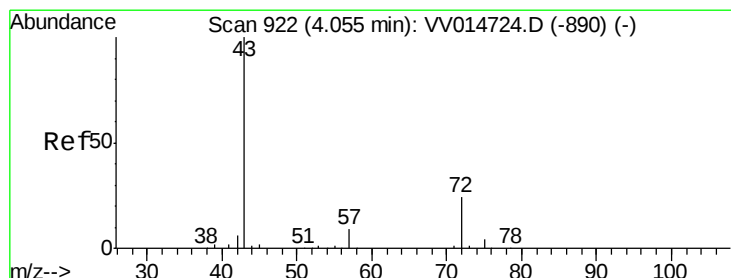
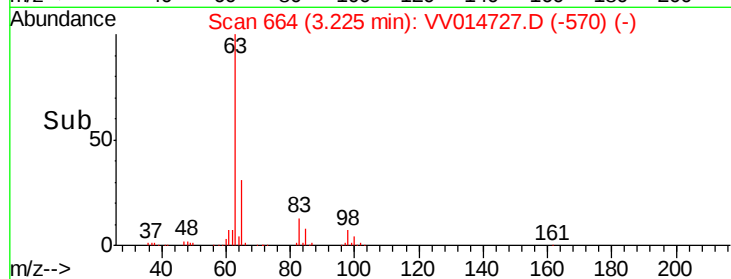
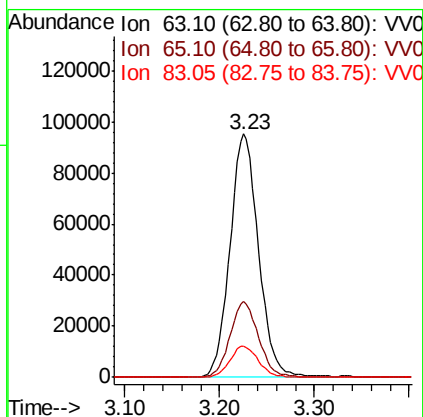
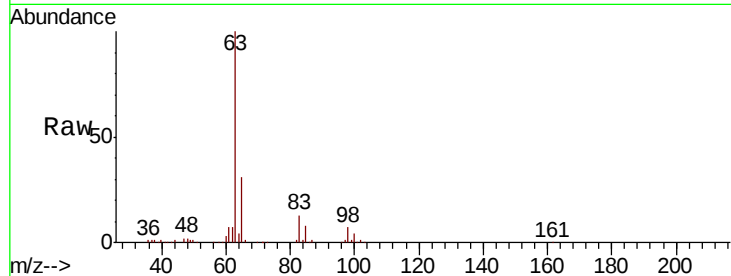




#19
 1,1-Dichloroethane
 Concen: 4.712 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

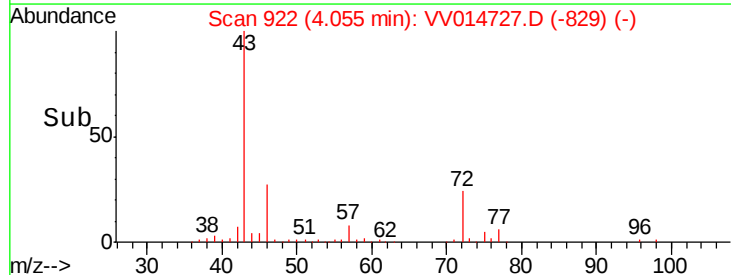
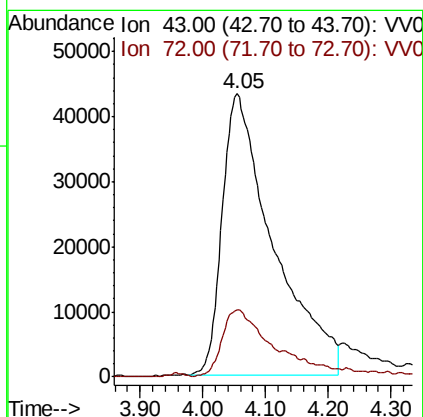
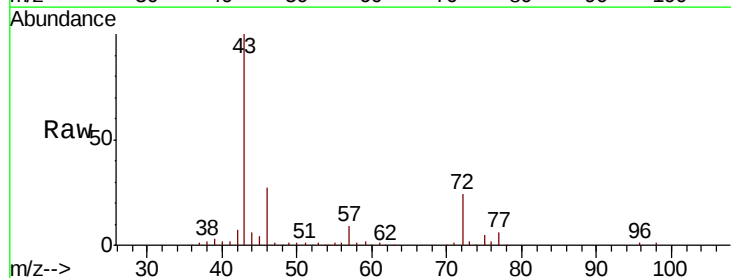
Instrument :
 MSVOA_V
 ClientSampleId :

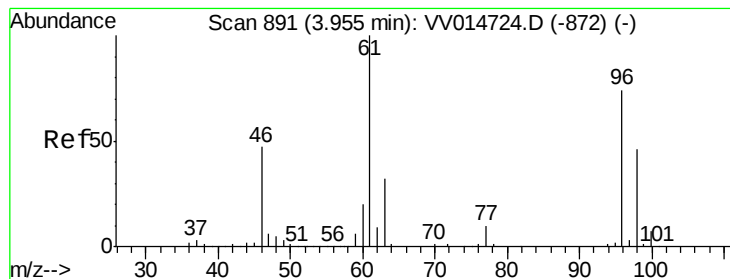
Tot Ion: 63 Resp: 199654
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.9 40.7
 83 13.0 9.0 16.6



#21
 2-Butanone
 Concen: 46.426 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

Tgt Ion: 43 Resp: 244656
 Ion Ratio Lower Upper
 43 100
 72 18.3 10.5 31.6



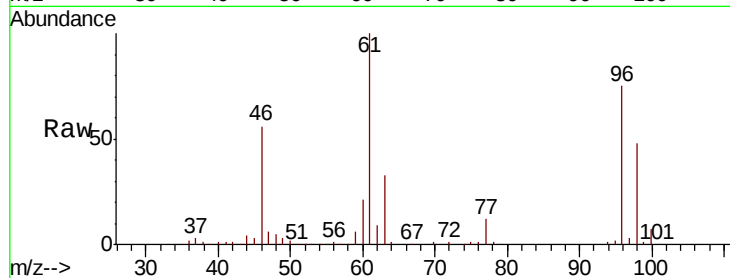


#22

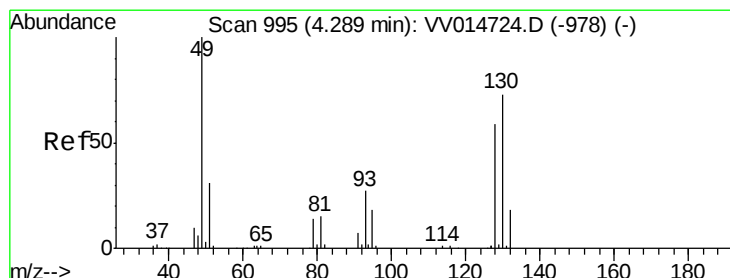
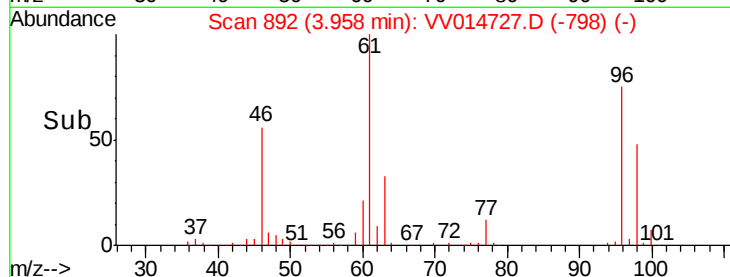
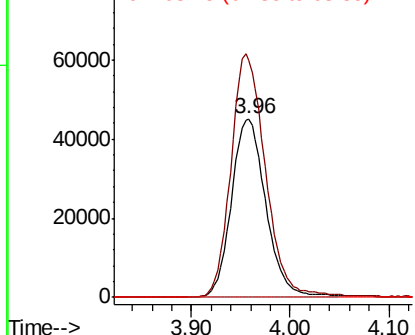
cis-1,2-Dichloroethene
Concen: 4.729 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 109502
Ion Ratio Lower Upper
96 100
61 132.7 93.3 173.3
68 0.0 0.0 0.0



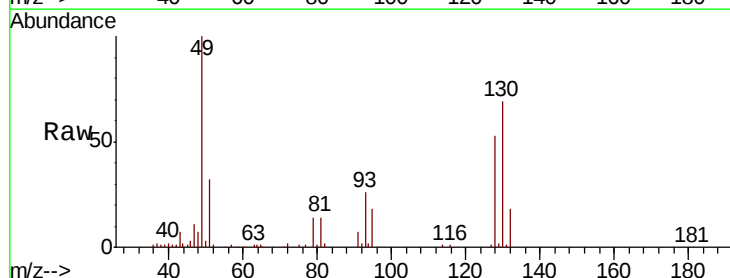
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



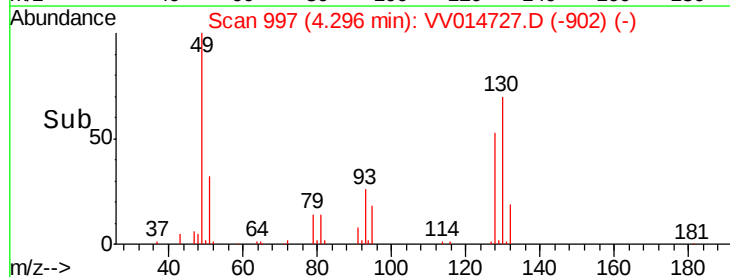
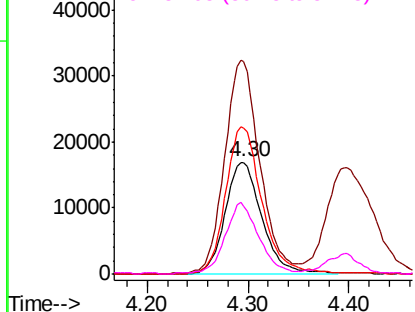
#23

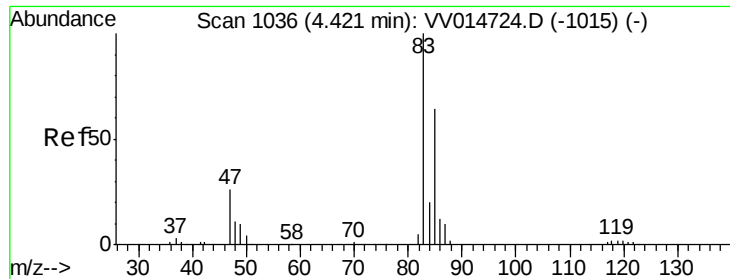
Bromochloromethane
Concen: 4.621 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.01 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Tgt Ion: 128 Resp: 42940
Ion Ratio Lower Upper
128 100
49 190.0 136.2 252.9
130 130.7 90.3 167.7
51 61.1 47.9 71.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

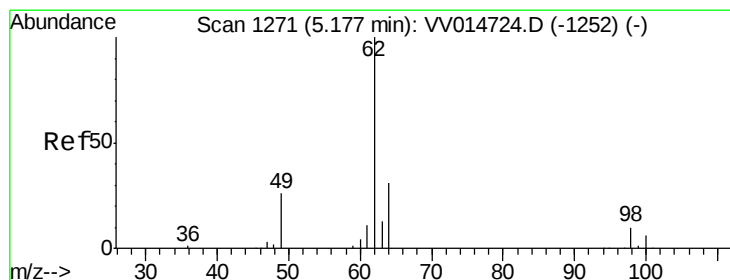
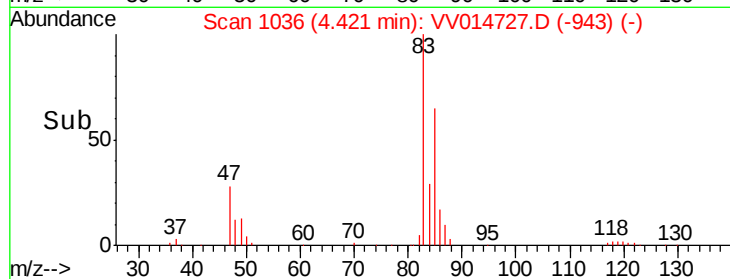
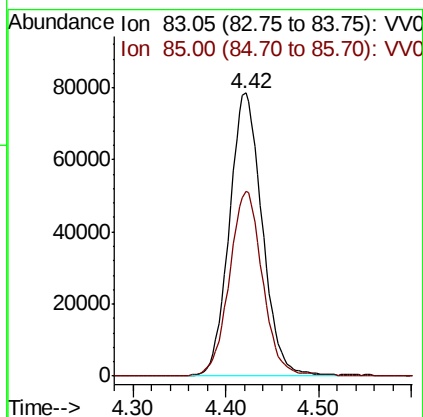
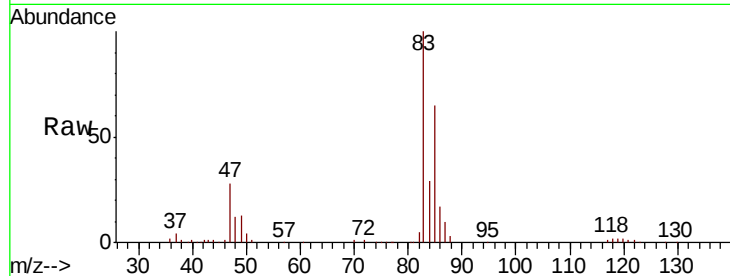




#25
Chloroform
Concen: 4.646 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

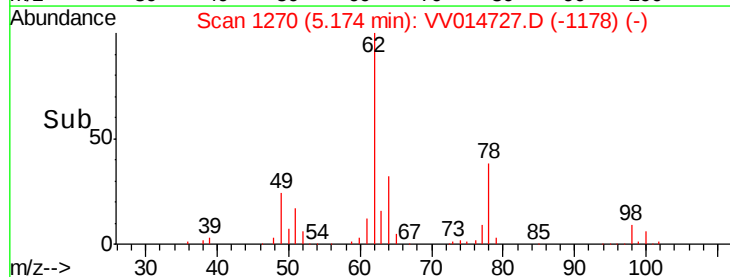
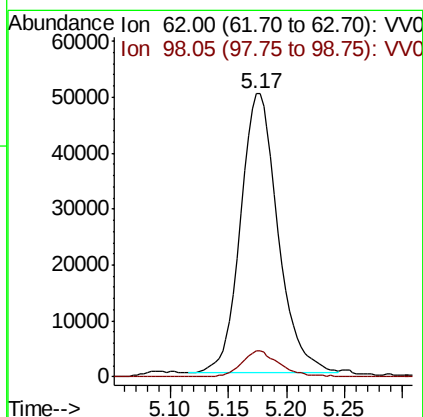
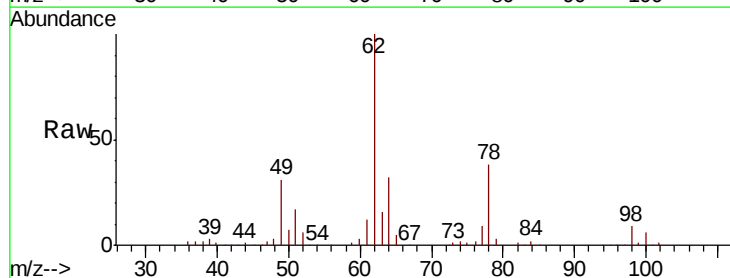
Instrument :
MSVOA_V
ClientSampled :

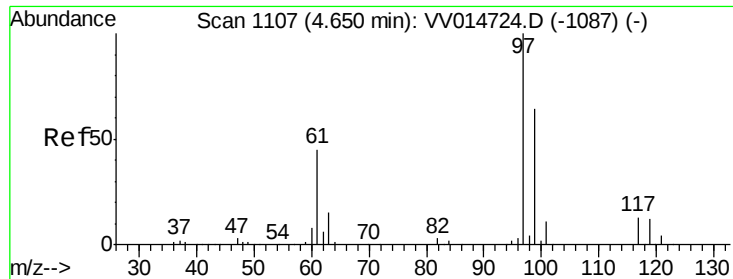
Tot Ion: 83 Resp: 193193
Ion Ratio Lower Upper
83 100
85 65.1 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.421 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Tgt Ion: 62 Resp: 112577
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

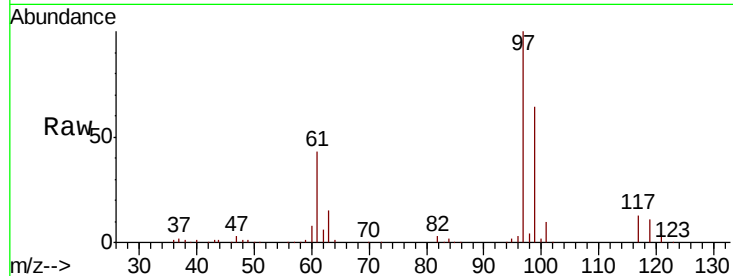




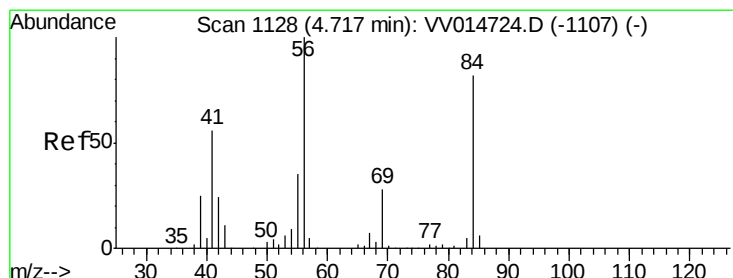
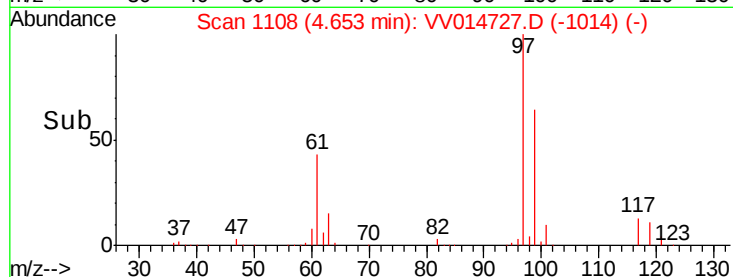
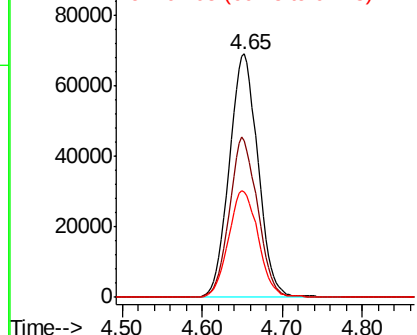
#29
1,1,1-Trichloroethane
Concen: 4.736 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 168187
Ion Ratio Lower Upper
97 100
99 64.7 50.6 76.0
61 45.7 36.3 54.5

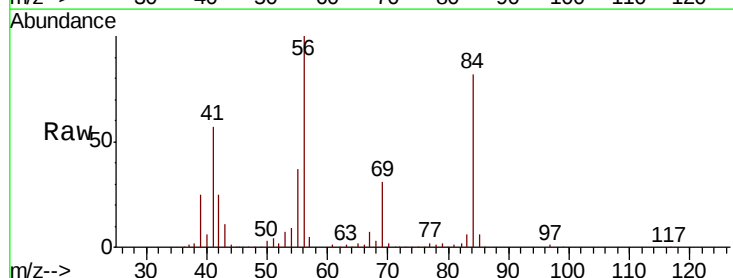


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

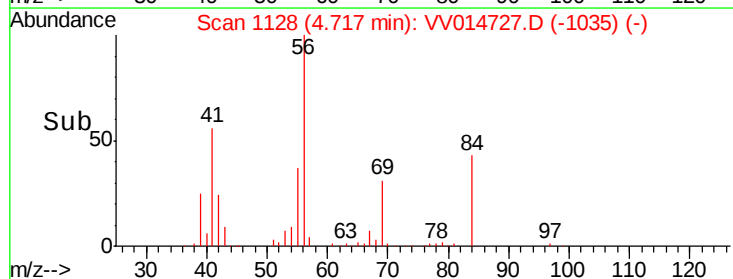
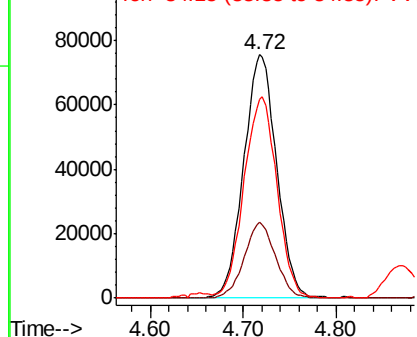


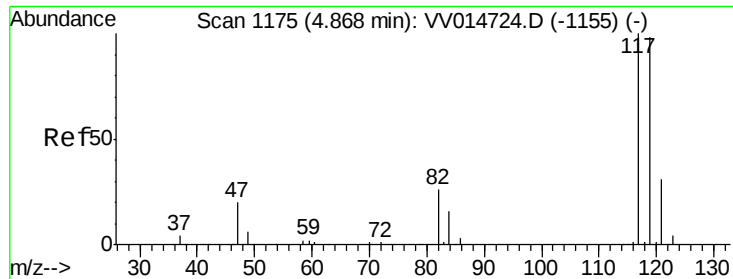
#30
Cyclohexane
Concen: 4.653 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Tgt Ion: 56 Resp: 186006
Ion Ratio Lower Upper
56 100
69 29.5 23.4 35.2
84 82.5 66.3 99.5



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.853 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

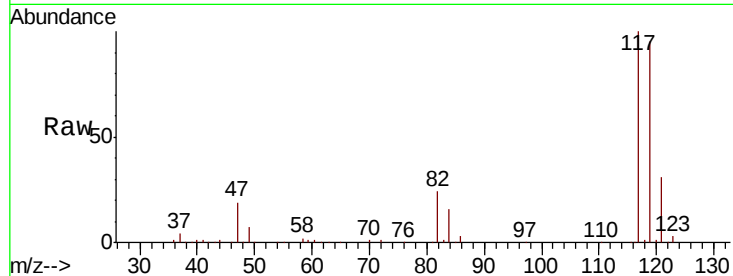
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 148452

Ion Ratio Lower Upper

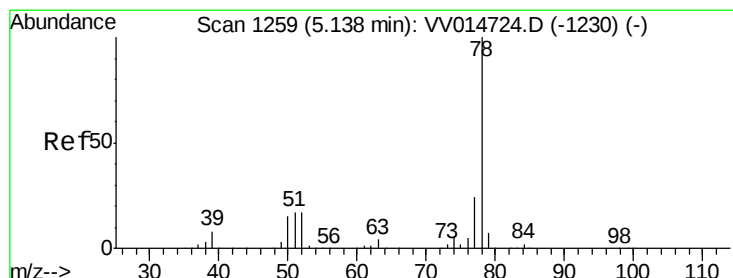
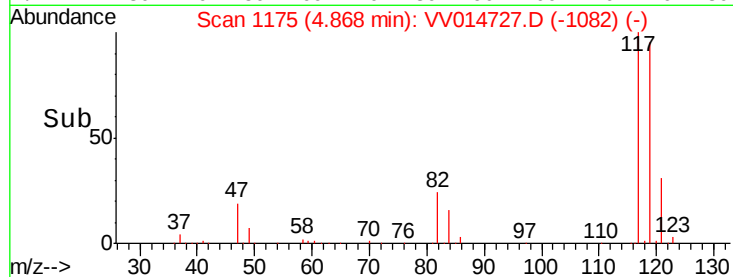
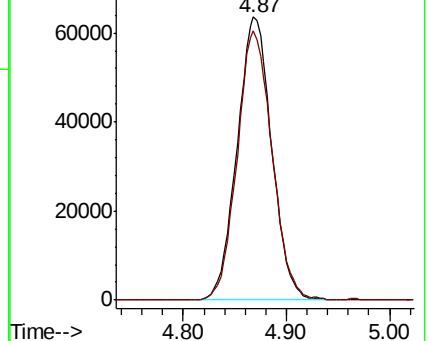
117 100

119 95.6 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.851 ug/L

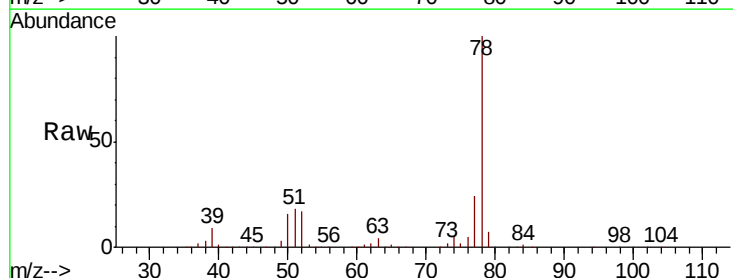
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

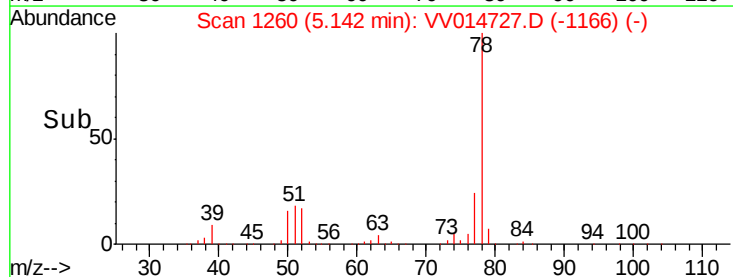
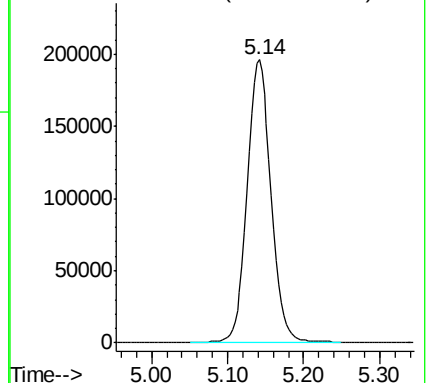
Lab File: VV014727.D

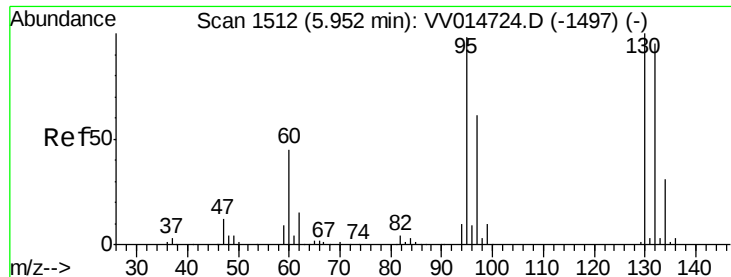
Acq: 02 Mar 2020 13:12

Tgt Ion: 78 Resp: 429069



Abundance Ion 78.10 (77.80 to 78.80): VV0

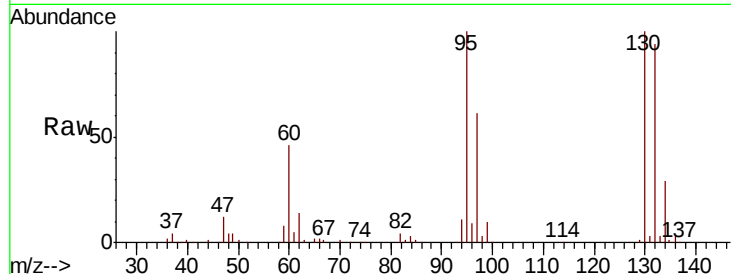




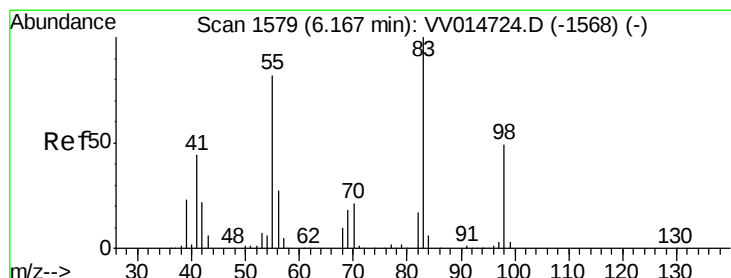
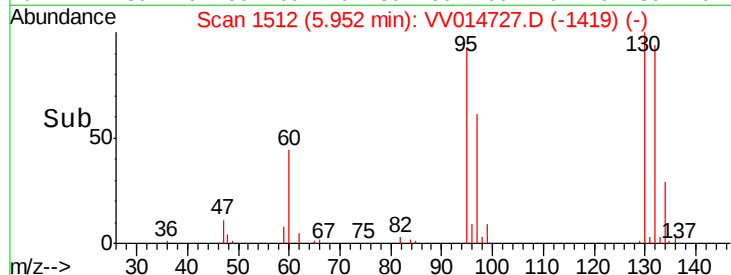
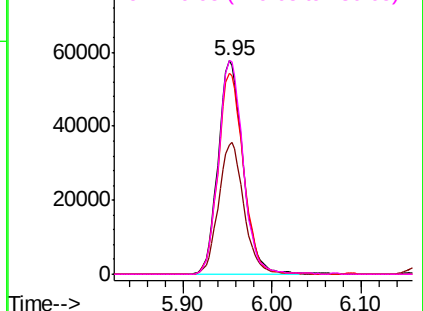
#34
 Trichloroethene
 Concen: 4.820 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 111668
 Ion Ratio Lower Upper
 95 100
 97 60.8 45.8 85.0
 132 94.3 68.7 127.5
 130 100.0 74.1 137.5

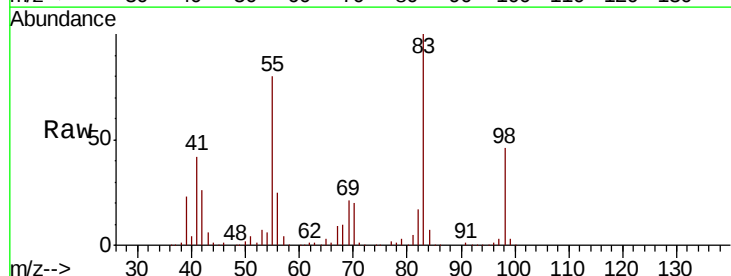


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

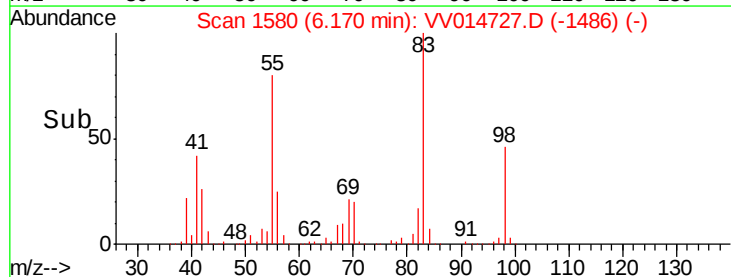
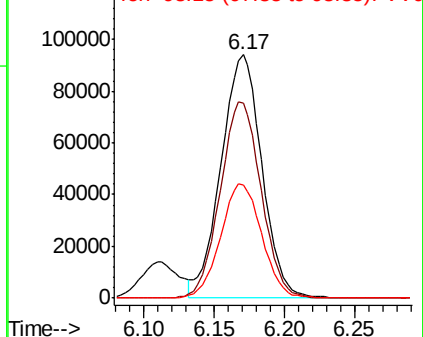


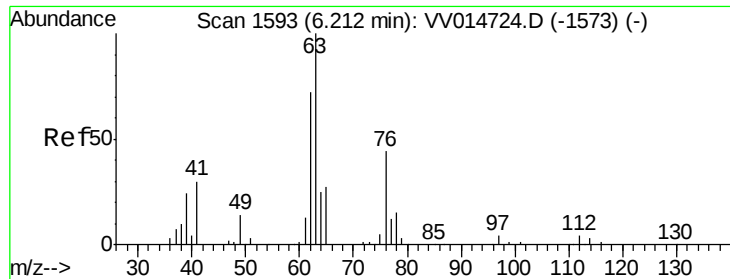
#35
 Methylcyclohexane
 Concen: 4.812 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

Tgt Ion: 83 Resp: 189618
 Ion Ratio Lower Upper
 83 100
 55 80.2 64.6 96.8
 98 47.5 37.8 56.8



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

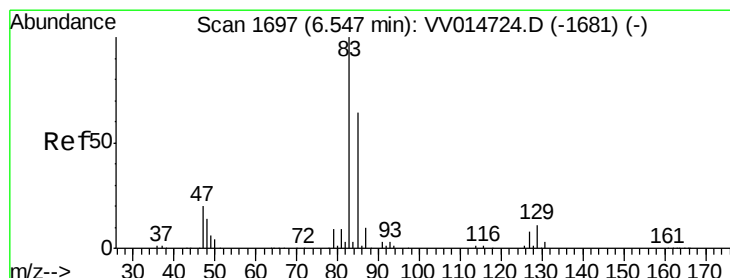
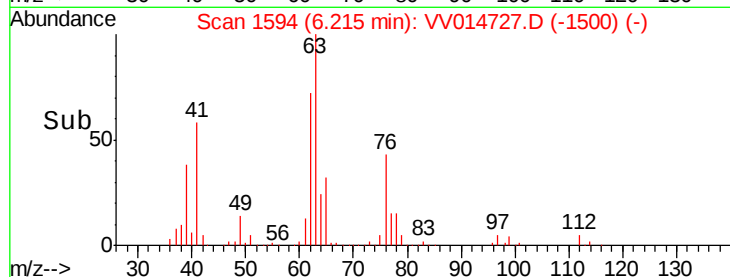
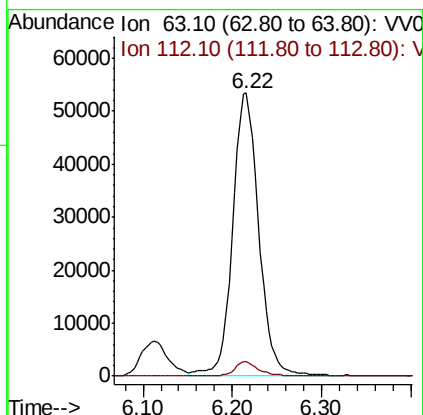
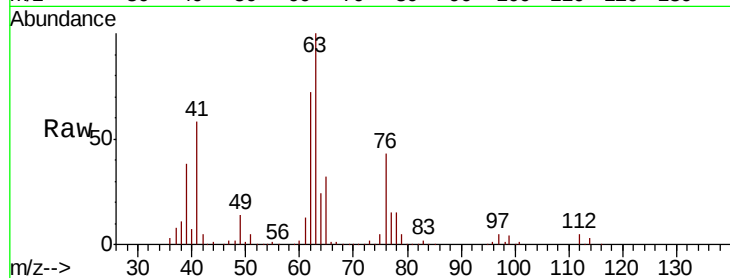




#37
 1,2-Dichloropropane
 Concen: 4.770 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

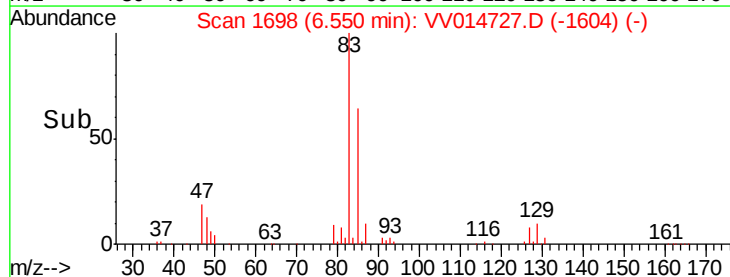
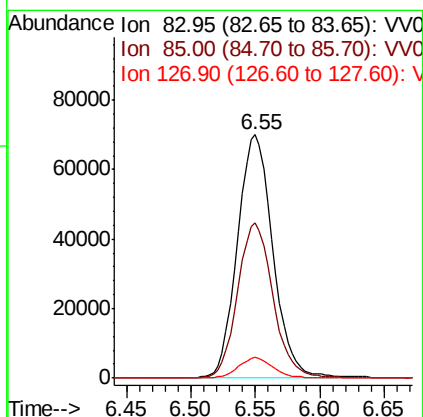
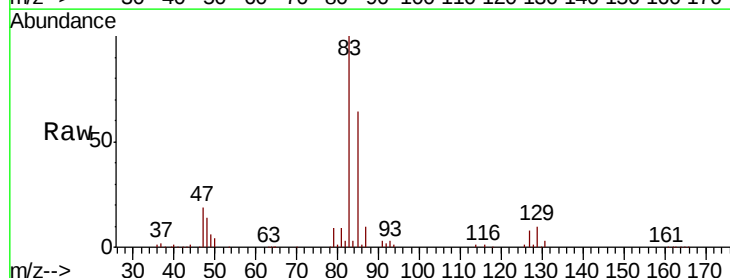
Instrument :
 MSVOA_V
 ClientSampleId :

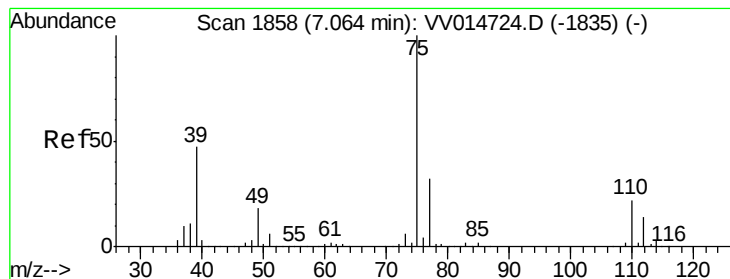
Tot Ion: 63 Resp: 107764
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.863 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

Tgt Ion: 83 Resp: 134013
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.2 84.0
 127 8.4 6.6 10.0



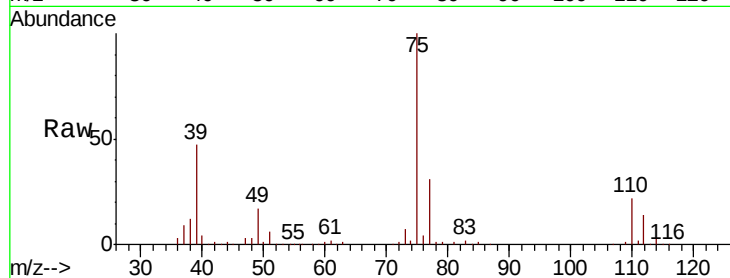


#39

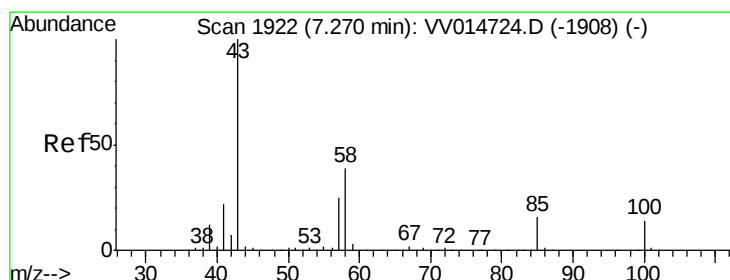
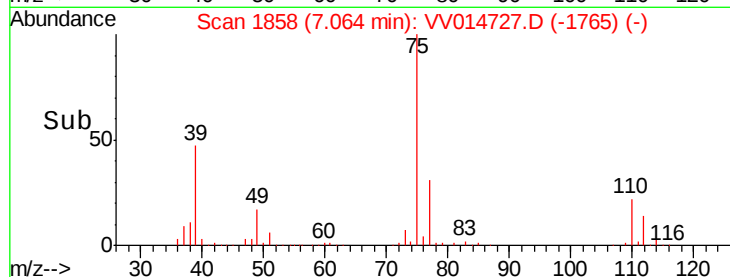
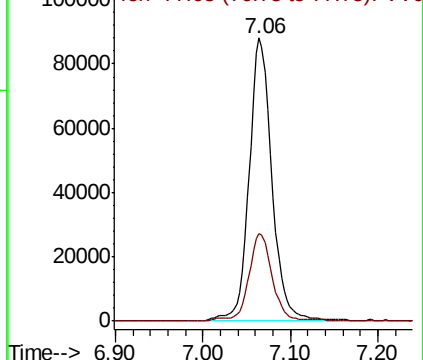
cis-1,3-Dichloropropene
Concen: 4.880 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 159732
Ion Ratio Lower Upper
75 100
77 31.1 23.0 42.8



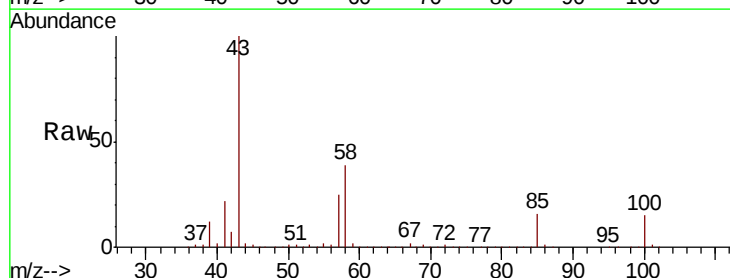
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



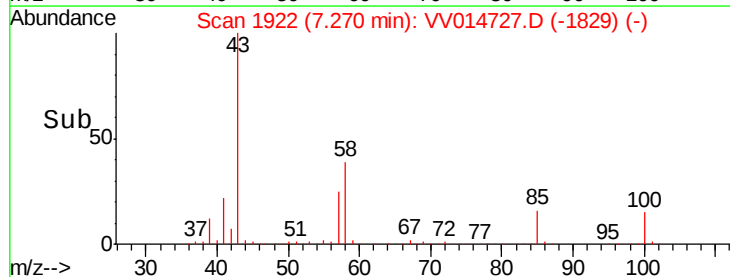
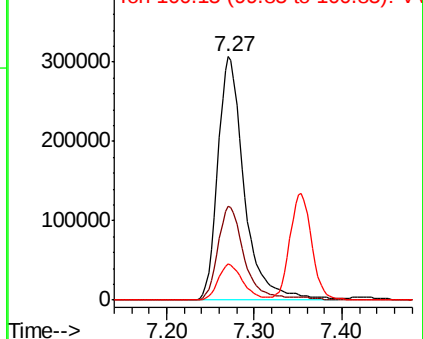
#40

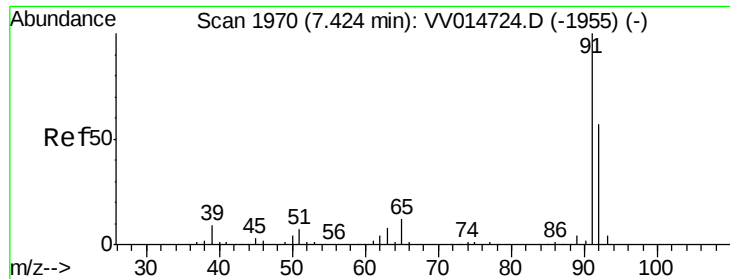
4-Methyl-2-pentanone
Concen: 47.620 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Tgt Ion: 43 Resp: 644240
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.2
100 13.9 11.2 16.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.870 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

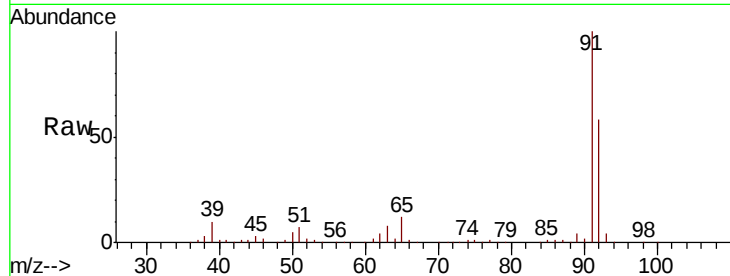
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 456090

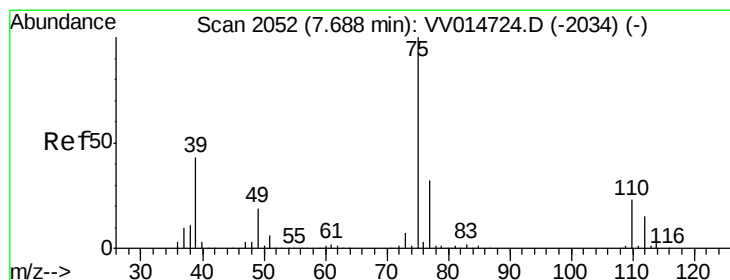
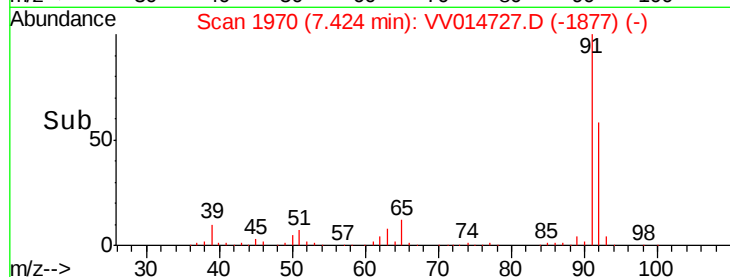
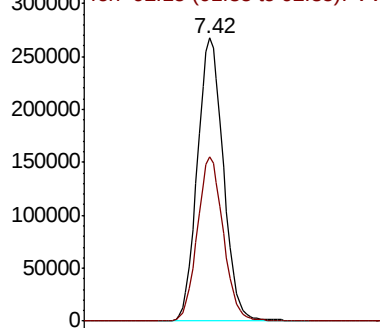
Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.868 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014727.D

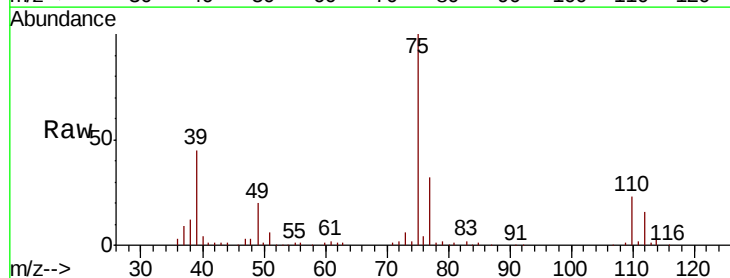
Acq: 02 Mar 2020 13:12

Tgt Ion: 75 Resp: 123624

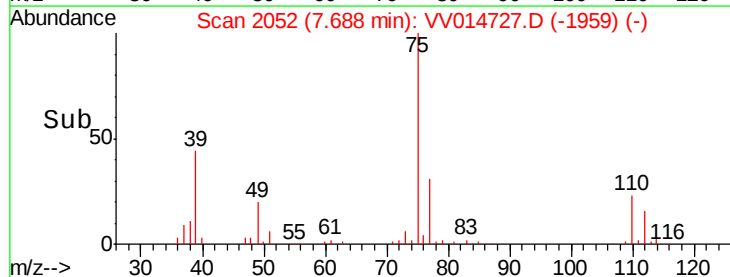
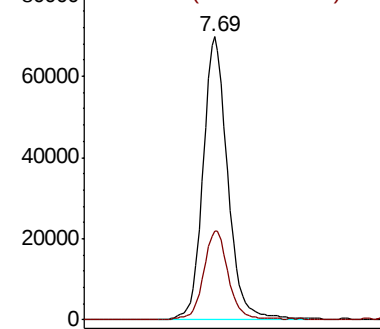
Ion Ratio Lower Upper

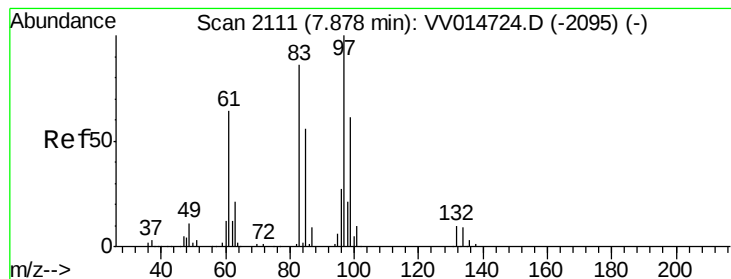
75 100

77 31.6 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 4.770 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 68808

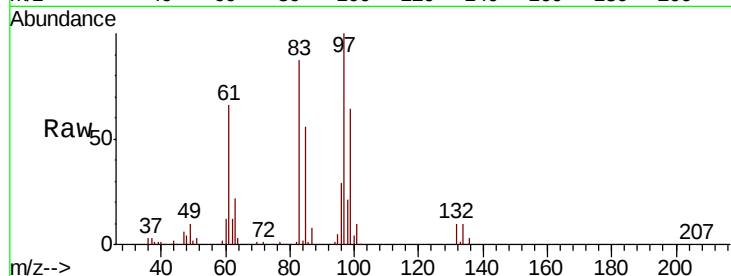
Ion Ratio Lower Upper

97 100

99 63.5 45.4 84.4

83 86.8 59.8 111.1

85 56.3 38.3 71.1

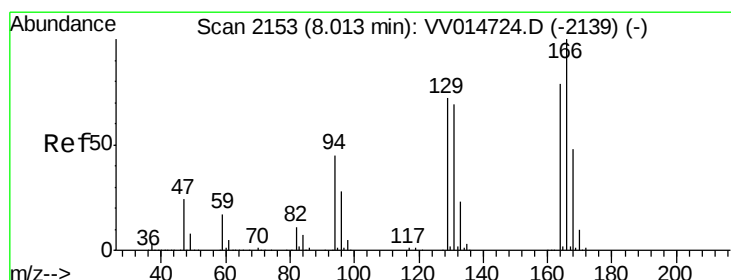
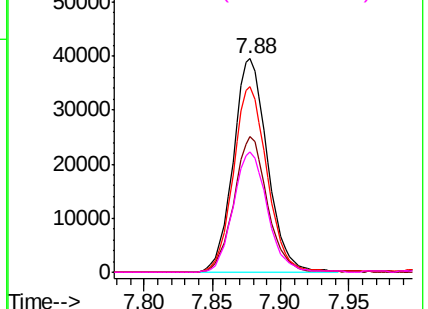
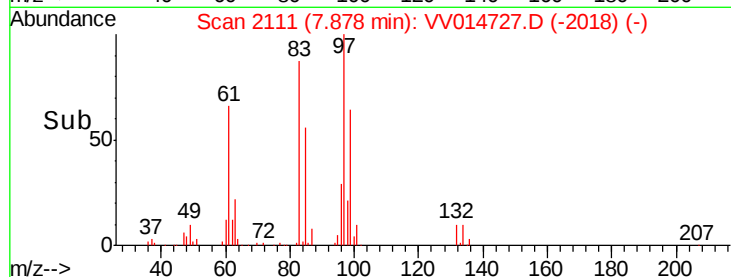


Abundance Ion 96.95 (96.65 to 97.65): VV014727.D (-2095) (-)

Ion 99.05 (98.75 to 99.75): VV014727.D (-2095) (-)

Ion 82.95 (82.65 to 83.65): VV014727.D (-2095) (-)

Ion 85.00 (84.70 to 85.70): VV014727.D (-2095) (-)



#47

Tetrachloroethene

Concen: 4.808 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Tgt Ion: 164 Resp: 89062

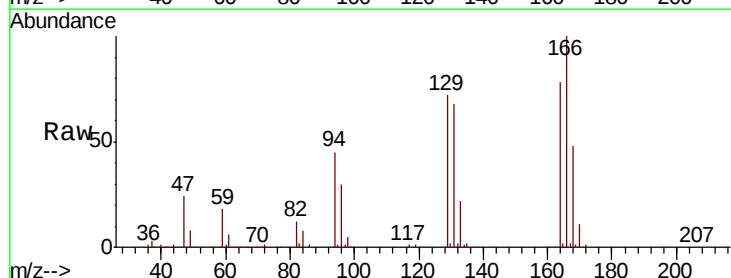
Ion Ratio Lower Upper

164 100

129 92.5 65.9 122.5

131 87.6 64.0 119.0

166 128.6 91.2 169.4

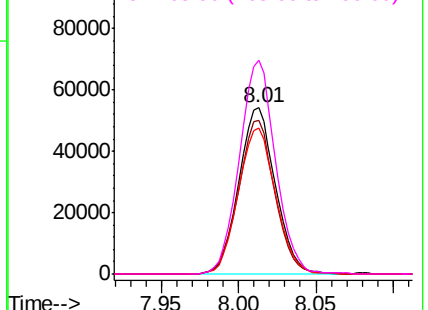
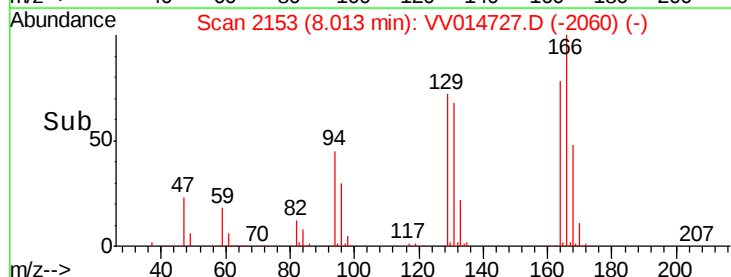


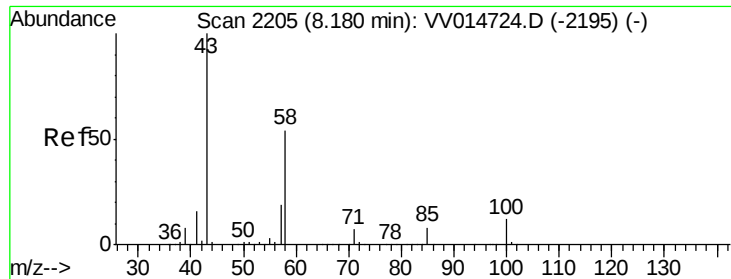
Abundance Ion 163.90 (163.60 to 164.60): VV014727.D (-2139) (-)

Ion 128.95 (128.65 to 129.65): VV014727.D (-2139) (-)

Ion 130.95 (130.65 to 131.65): VV014727.D (-2139) (-)

Ion 165.90 (165.60 to 166.60): VV014727.D (-2139) (-)

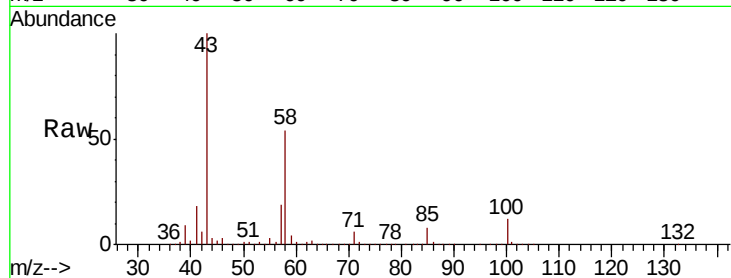




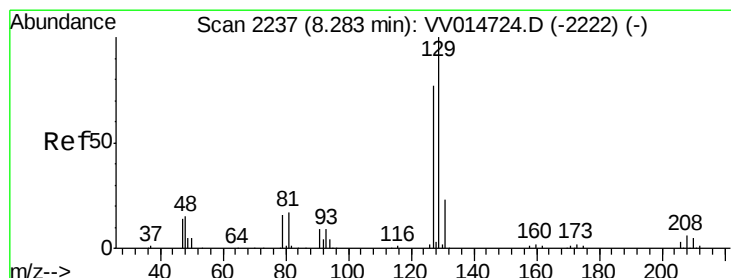
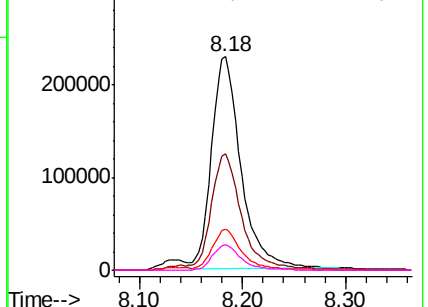
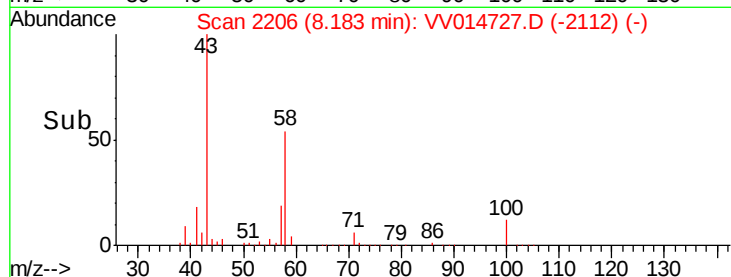
#48
2-Hexanone
Concen: 47.451 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 457400
Ion Ratio Lower Upper
43 100
58 56.7 43.1 64.7
57 18.8 14.6 21.8
100 11.8 9.0 13.4

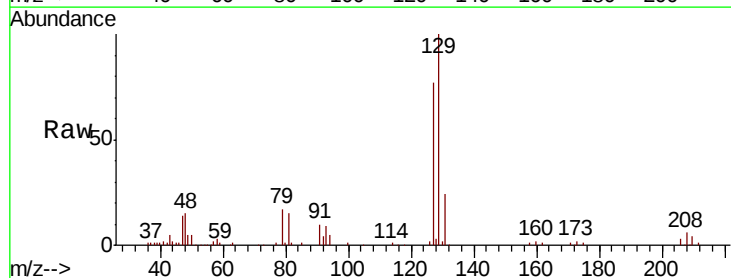


Abundance Ion 43.05 (42.75 to 43.75): VV014727.D (-2112) (-)
Ion 58.05 (57.75 to 58.75): VV014727.D (-2112) (-)
Ion 57.20 (56.90 to 57.90): VV014727.D (-2112) (-)
Ion 100.15 (99.85 to 100.85): VV014727.D (-2112) (-)

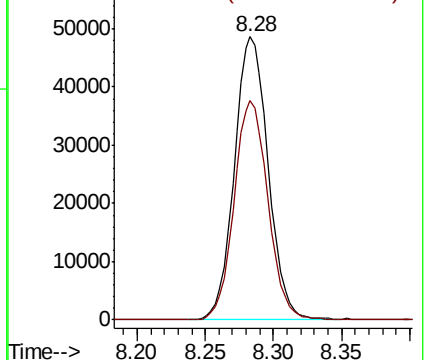
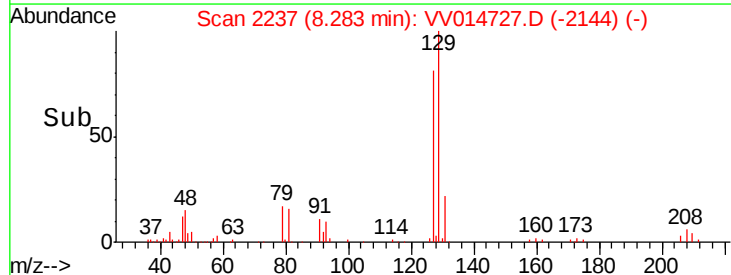


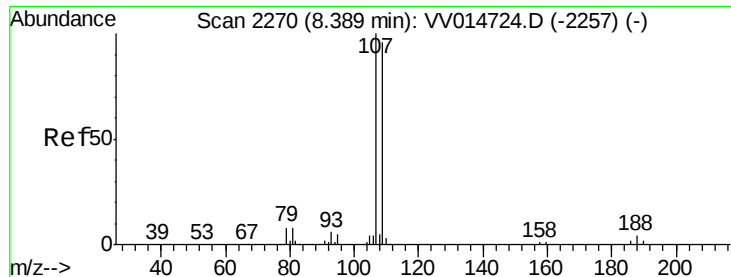
#49
Dibromochloromethane
Concen: 5.128 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014727.D
Acq: 02 Mar 2020 13:12

Tgt Ion: 129 Resp: 83633
Ion Ratio Lower Upper
129 100
127 77.3 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): VV014727.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV014727.D (-2144) (-)





#50

1,2-Dibromoethane

Concen: 4.720 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

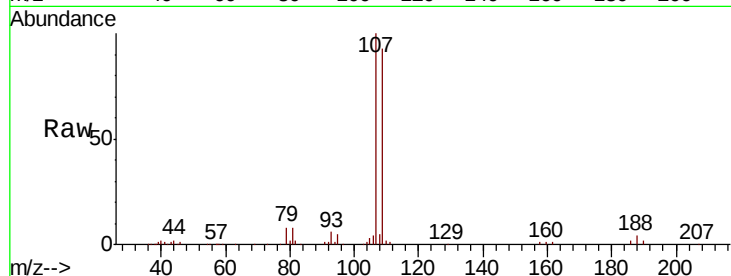
Tot Ion:107 Resp: 64984

Ion Ratio Lower Upper

107 100

109 92.6 63.6 118.2

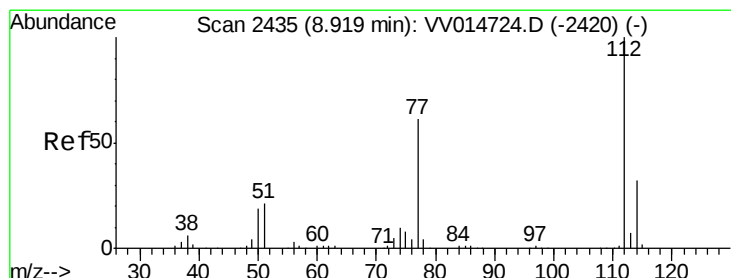
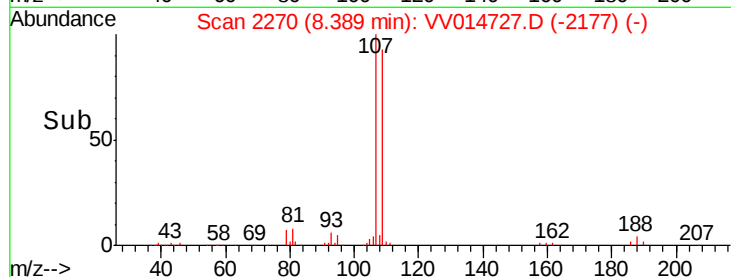
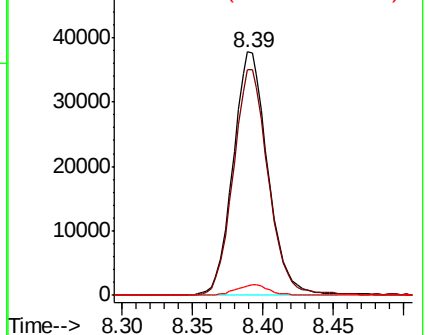
188 3.7 3.1 4.7



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.757 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

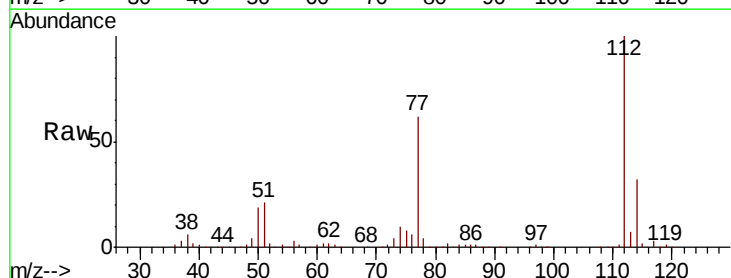
Tgt Ion:112 Resp: 282111

Ion Ratio Lower Upper

112 100

114 32.5 23.2 43.2

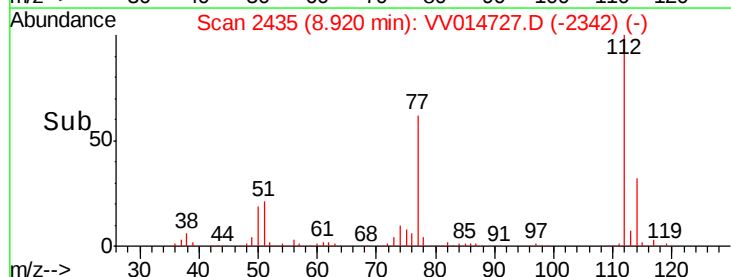
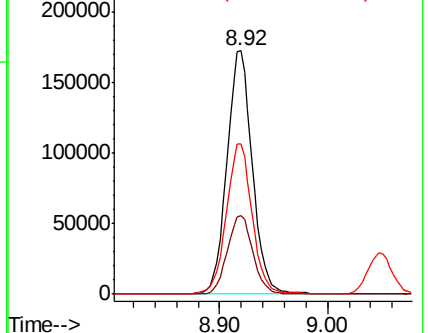
77 61.7 49.0 73.6

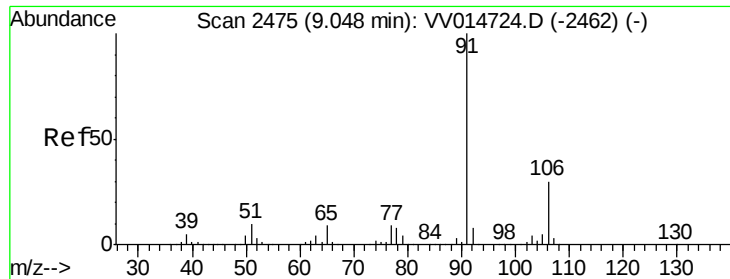


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.795 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

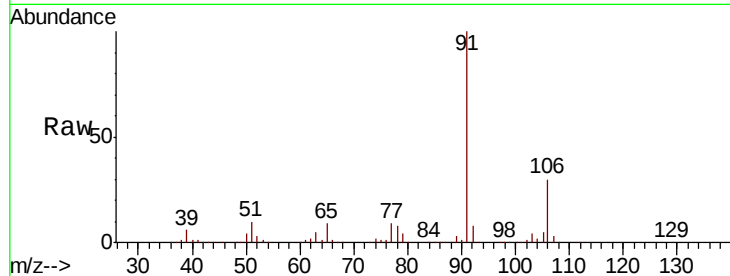
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 509208

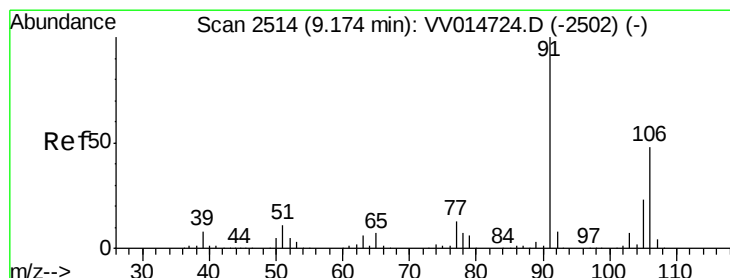
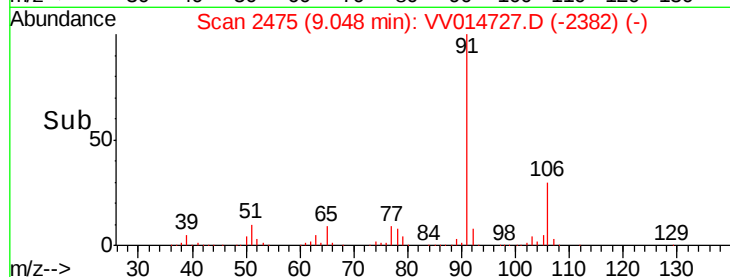
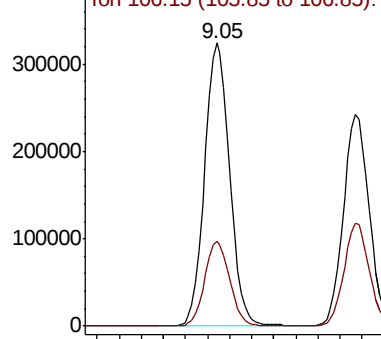
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV014727.D (-2462) (-)



#53

m,p-xylene

Concen: 4.871 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VV014727.D

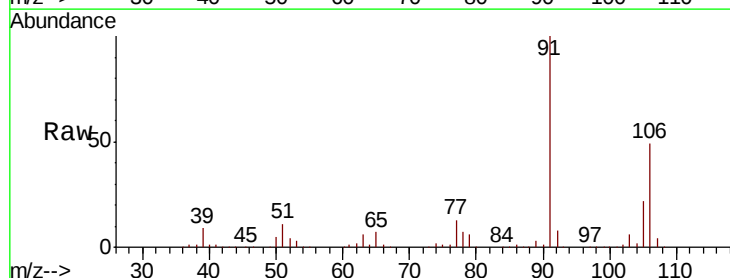
Acq: 02 Mar 2020 13:12

Tgt Ion: 106 Resp: 189380

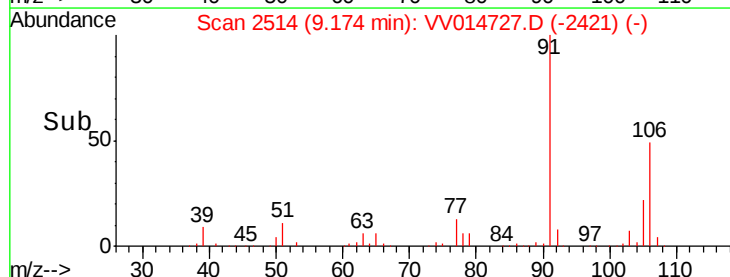
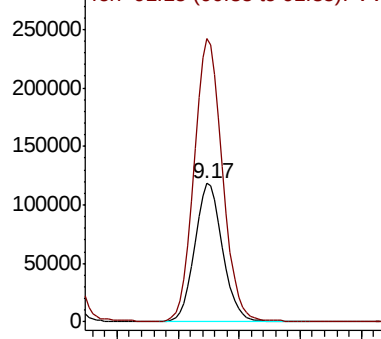
Ion Ratio Lower Upper

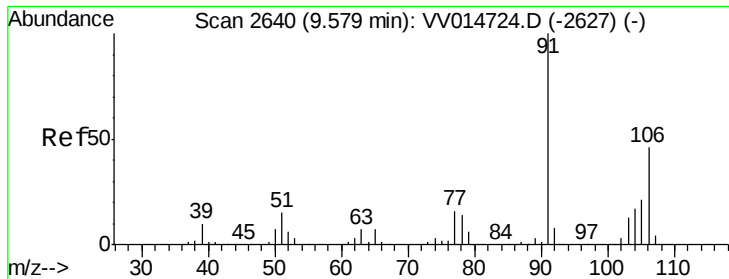
106 100

91 204.5 142.5 264.6



Abundance Ion 106.15 (105.85 to 106.85): VV014727.D (-2502) (-)





#54

o-xylene

Concen: 4.781 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

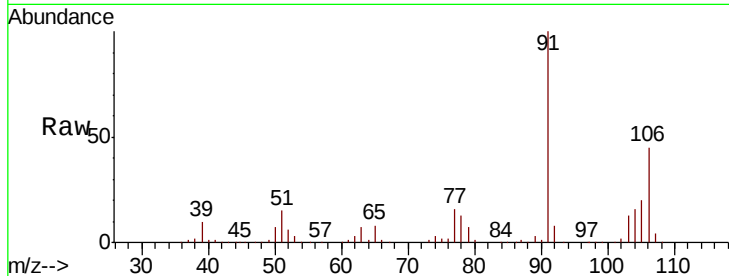
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 180938

Ion Ratio Lower Upper

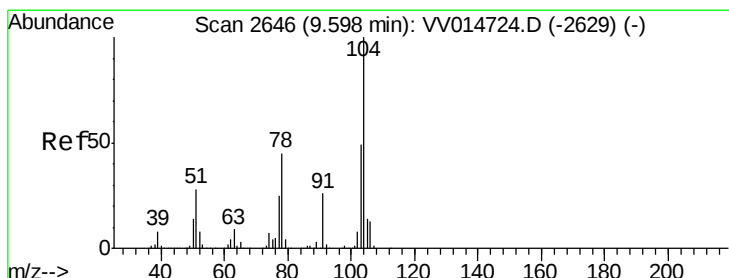
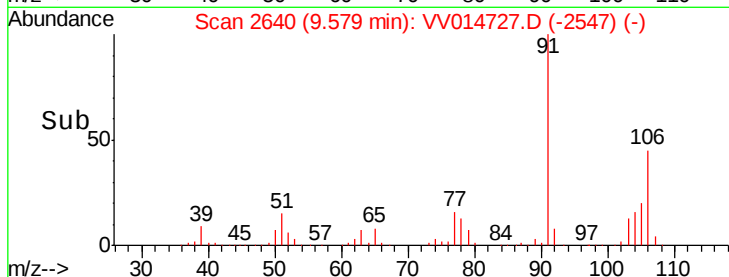
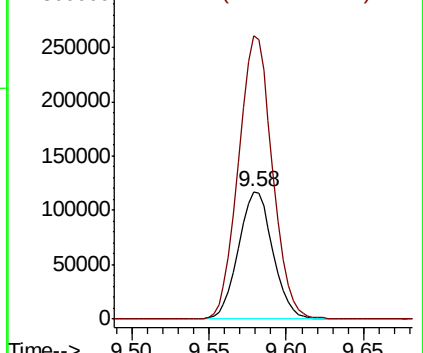
106 100

91 222.4 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.934 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014727.D

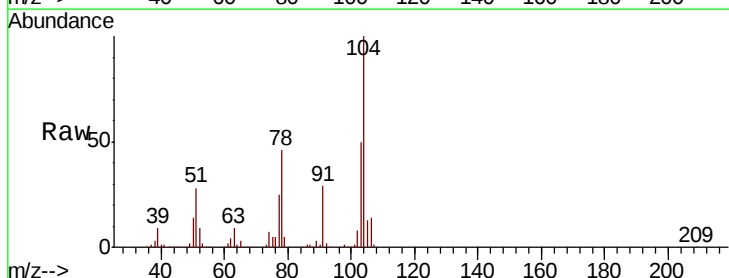
Acq: 02 Mar 2020 13:12

Tgt Ion:104 Resp: 313760

Ion Ratio Lower Upper

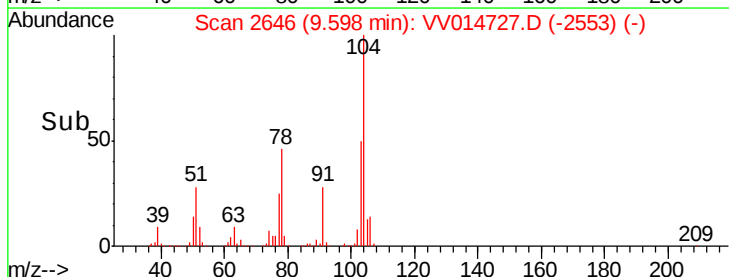
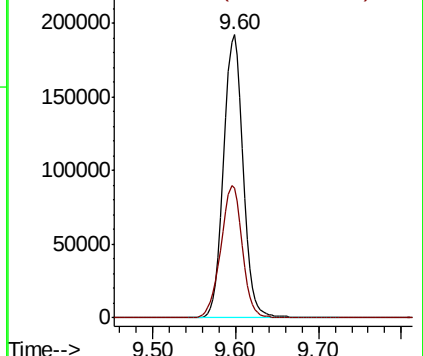
104 100

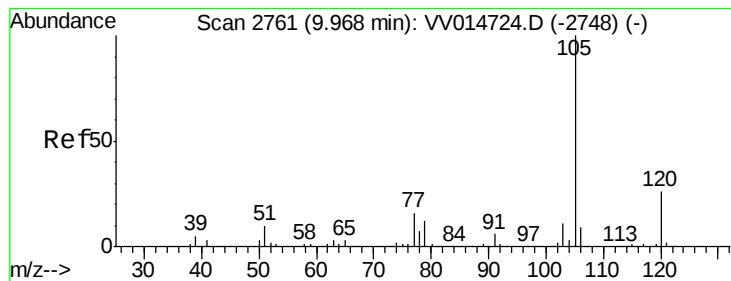
78 45.8 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.917 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

ClientSampled :

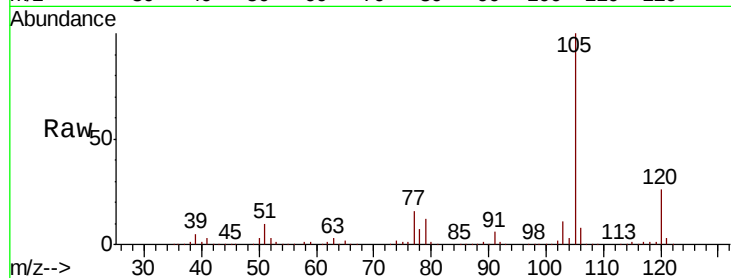
Tot Ion:105 Resp: 502706

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

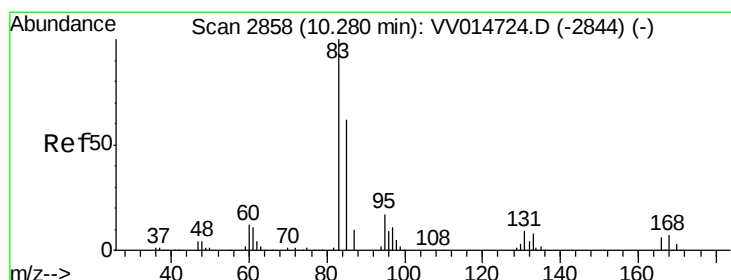
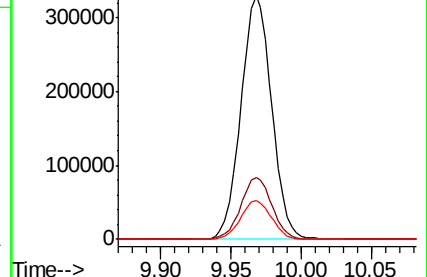
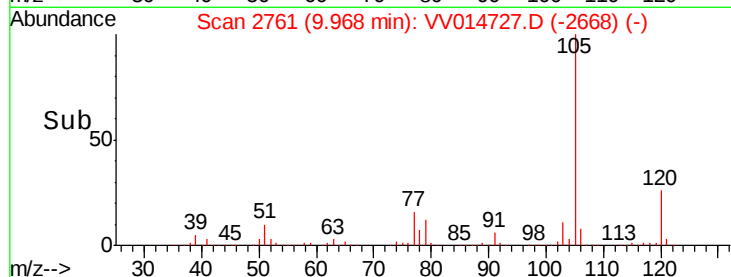
77 16.2 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.728 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

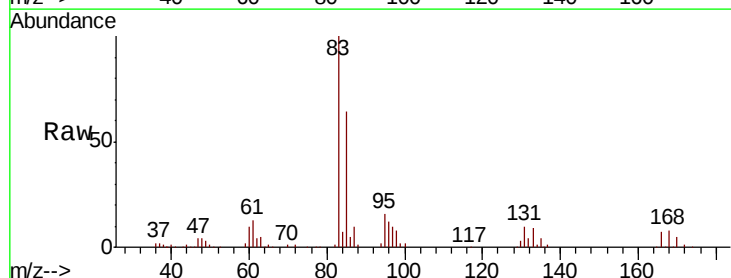
Tgt Ion: 83 Resp: 85271

Ion Ratio Lower Upper

83 100

85 63.7 46.1 85.7

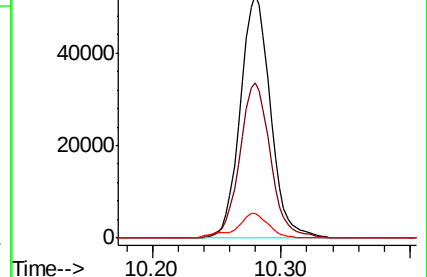
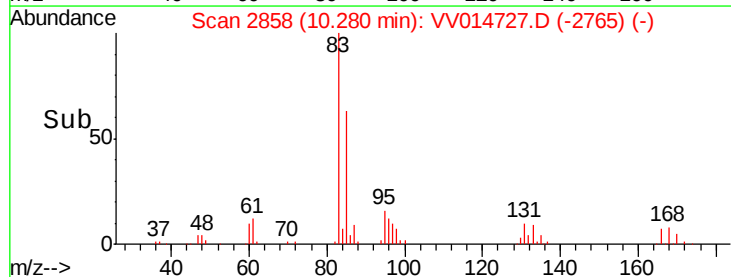
131 10.1 7.4 11.2

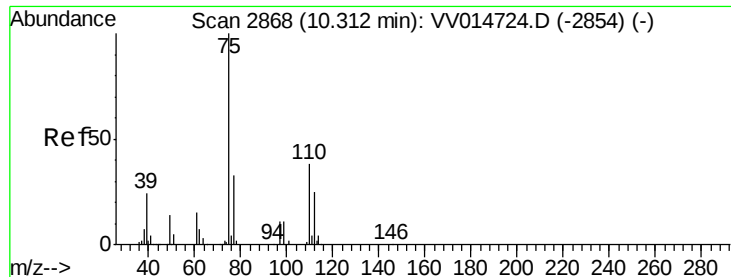


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.712 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

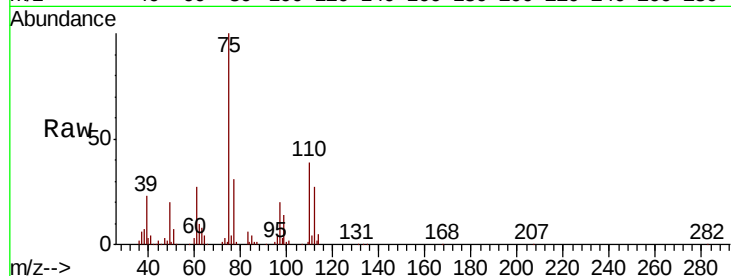
ClientSampled :

Tot Ion: 75 Resp: 62188

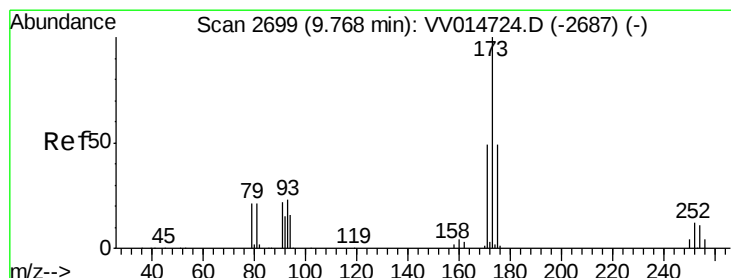
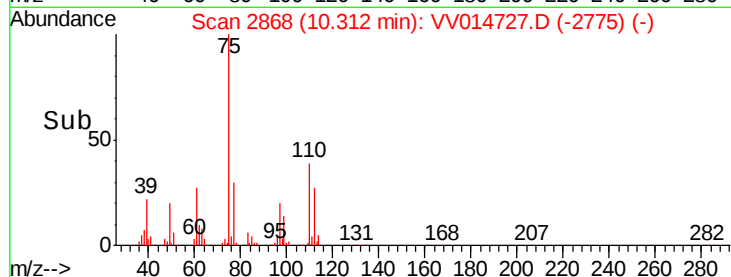
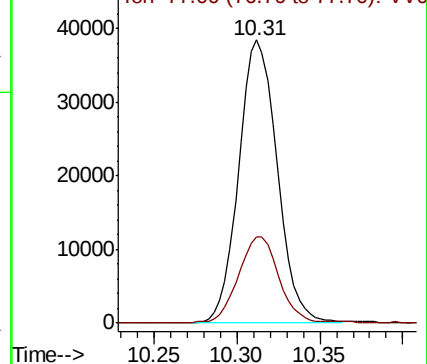
Ion Ratio Lower Upper

75 100

77 32.1 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV014727.D (-2775) (-)



#61

Bromoform

Concen: 5.412 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

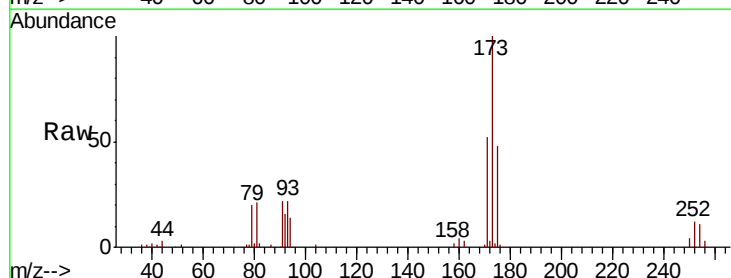
Tgt Ion: 173 Resp: 44646

Ion Ratio Lower Upper

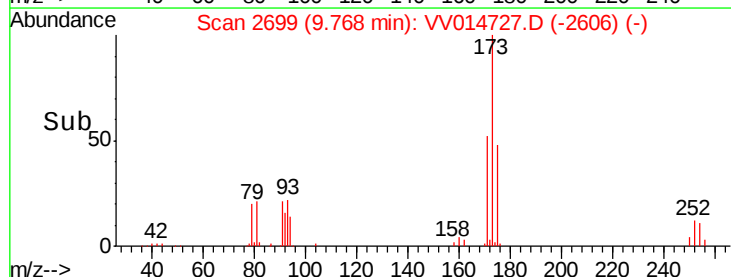
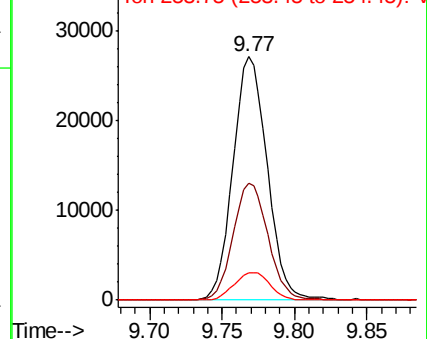
173 100

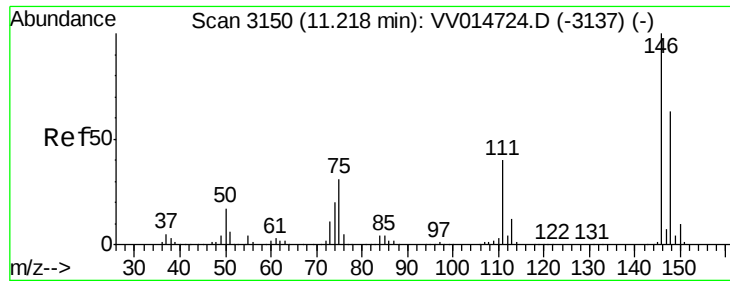
175 48.9 38.6 57.8

254 11.7 9.4 14.0



Abundance Ion 172.90 (172.60 to 173.60): VV014727.D (-2606) (-)





#62

1,3-Dichlorobenzene

Concen: 4.863 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

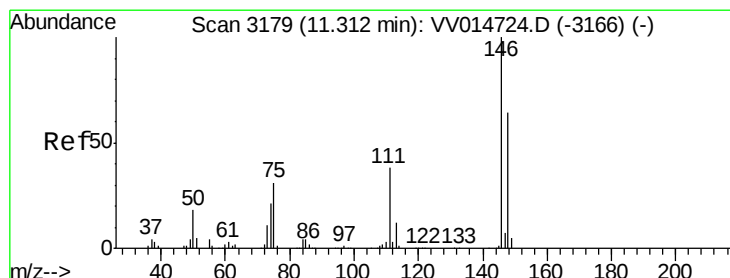
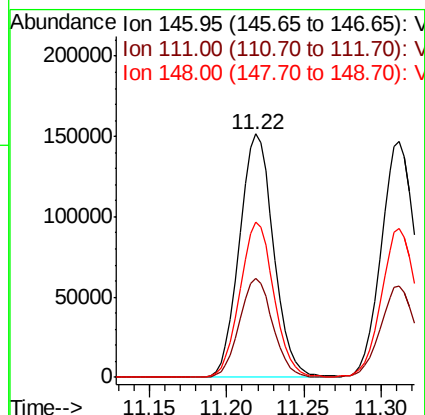
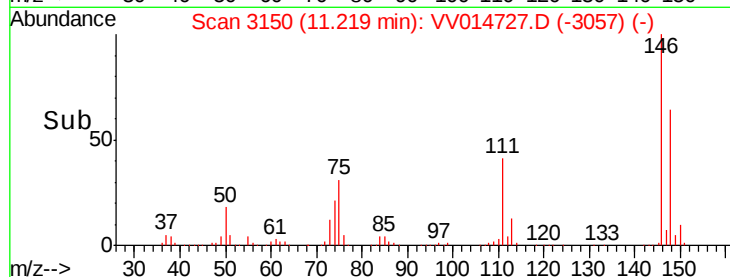
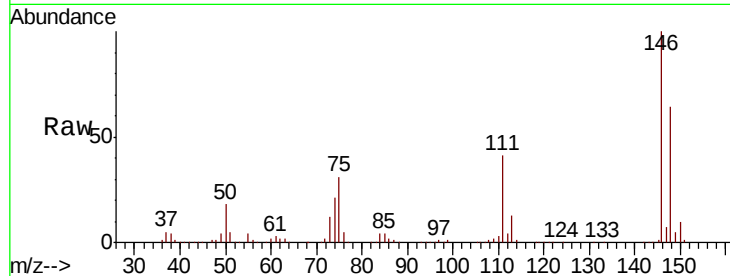
Tot Ion:146 Resp: 233077

Ion Ratio Lower Upper

146 100

111 40.7 28.2 52.4

148 63.7 43.9 81.5



#63

1,4-Dichlorobenzene

Concen: 4.722 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

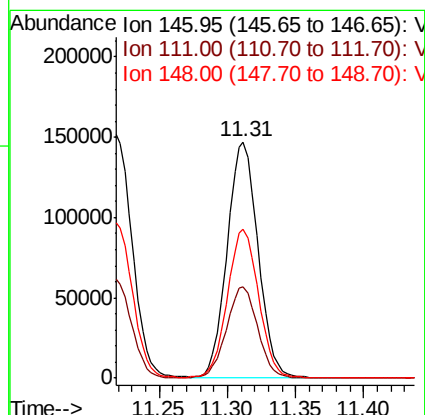
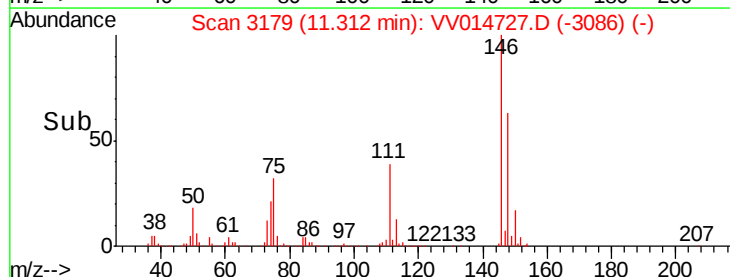
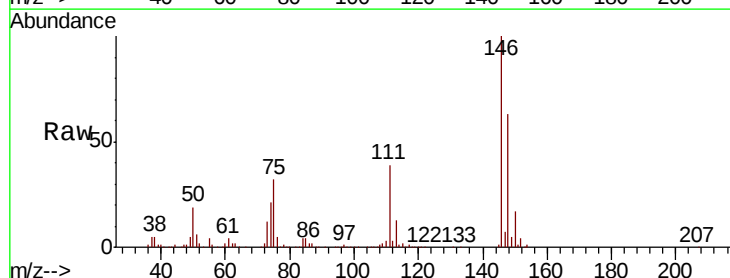
Tgt Ion:146 Resp: 231200

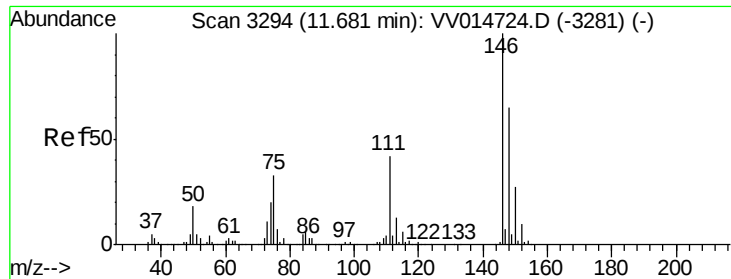
Ion Ratio Lower Upper

146 100

111 38.8 26.9 49.9

148 63.0 43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 4.668 ug/L

RT: 11.68 min Scan# 3294

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

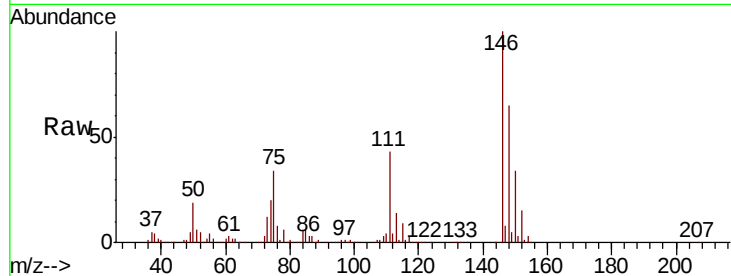
Tot Ion:146 Resp: 206677

Ion Ratio Lower Upper

146 100

111 42.6 31.8 47.8

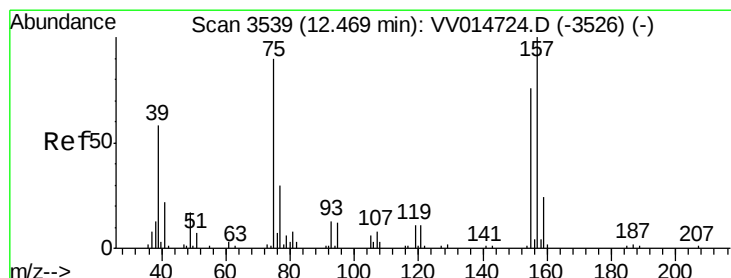
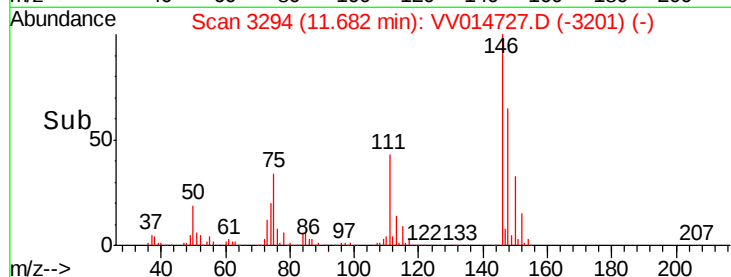
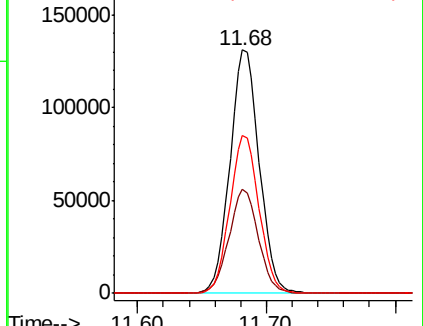
148 64.7 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.671 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

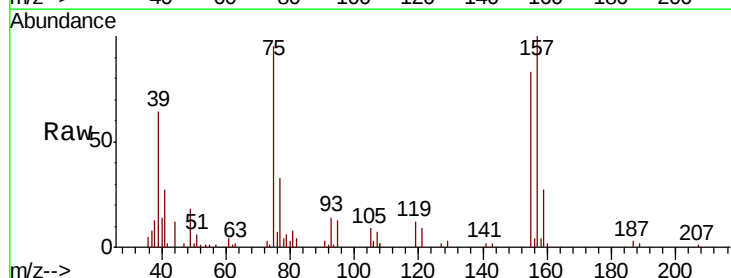
Tgt Ion: 75 Resp: 13686

Ion Ratio Lower Upper

75 100

155 87.2 68.3 102.5

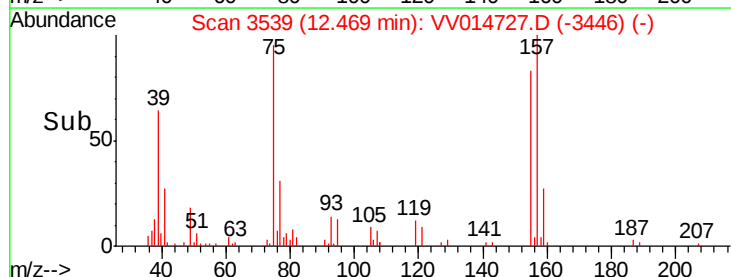
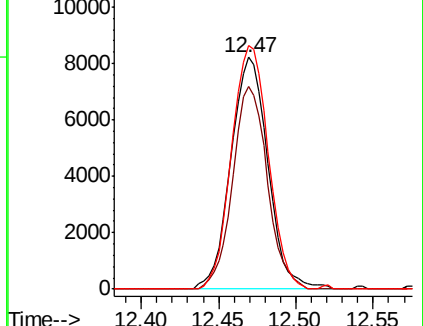
157 105.0 84.7 127.1

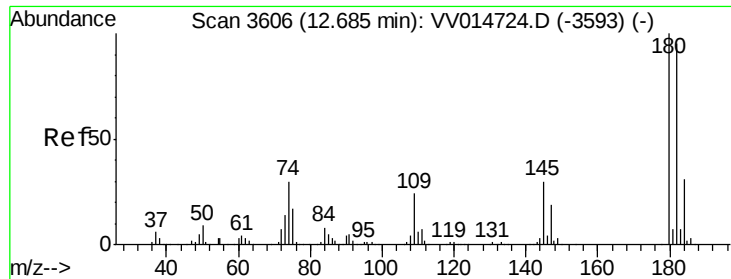


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

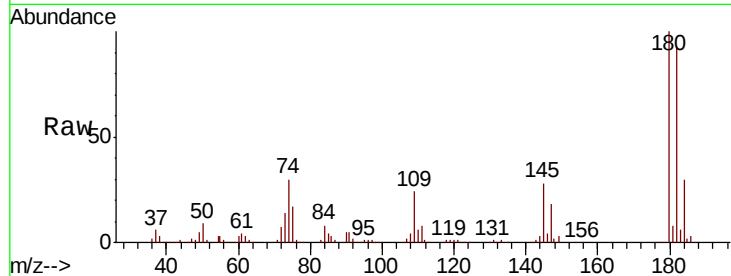




#67
 1,3,5-Trichlorobenzene
 Concen: 4.860 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.2	115.8
184	30.9	24.2	36.2
145	28.7	22.9	34.3



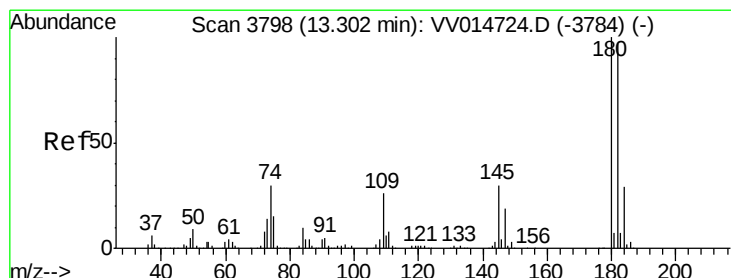
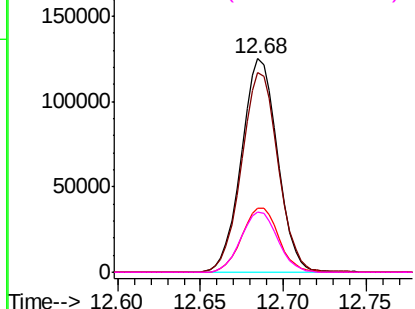
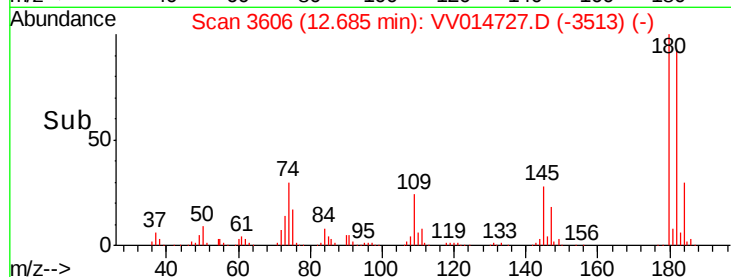
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

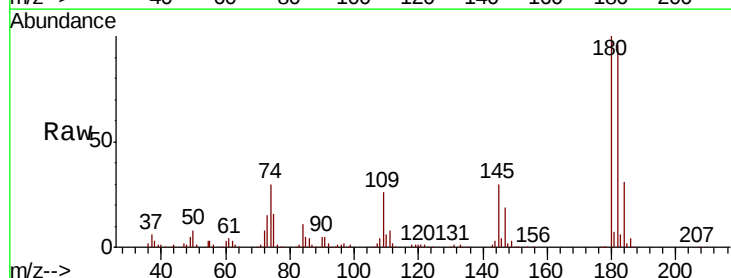
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.814 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014727.D
 Acq: 02 Mar 2020 13:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.4	116.2
145	28.9	24.2	36.2

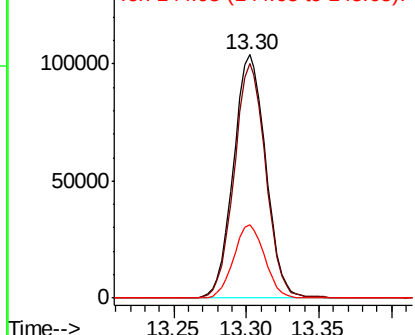
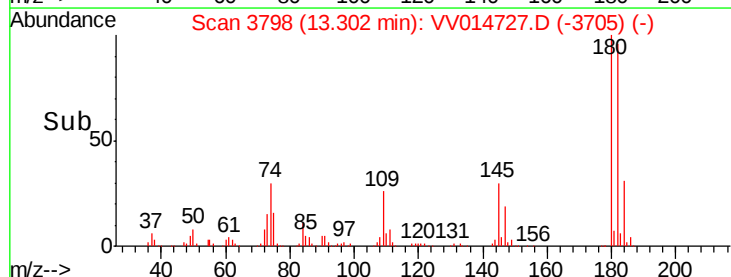


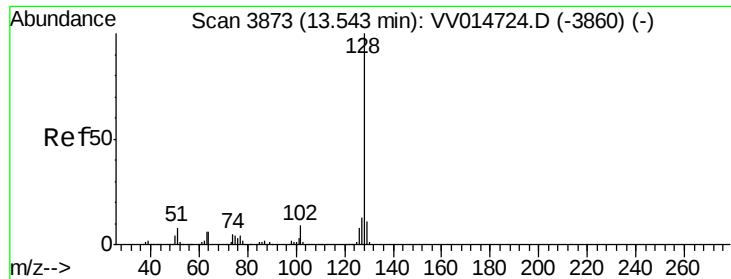
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.664 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

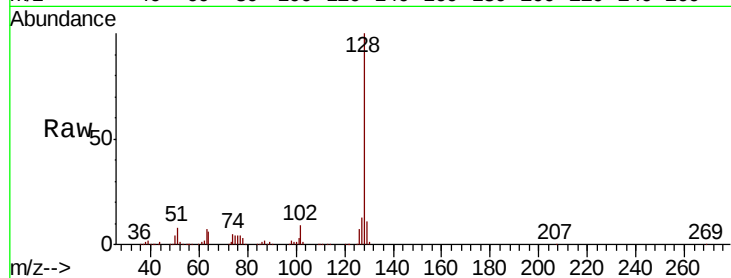
Tot Ion:128 Resp: 253613

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

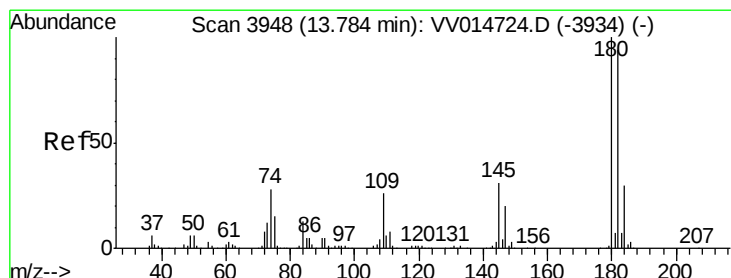
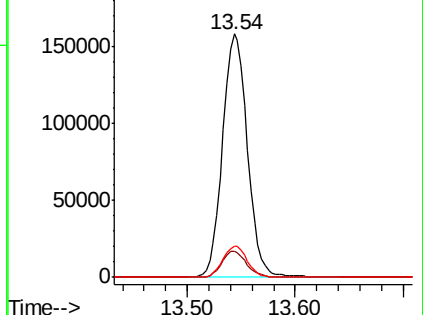
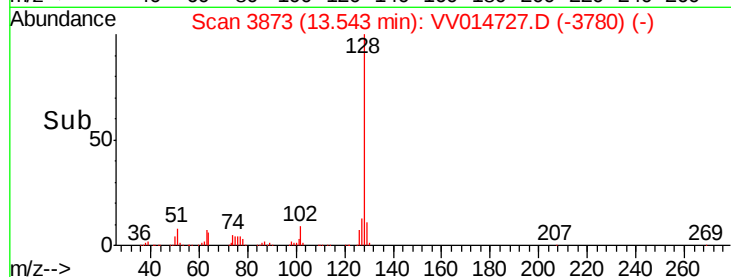
127 12.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.763 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VV014727.D

Acq: 02 Mar 2020 13:12

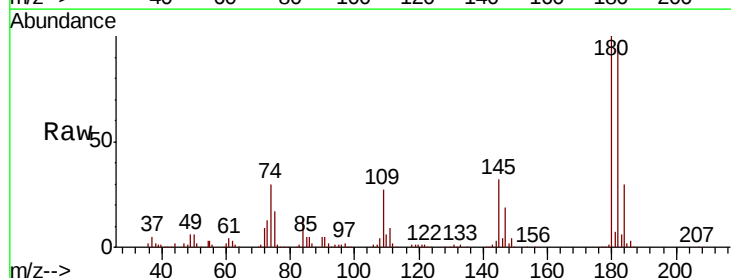
Tgt Ion:180 Resp: 141955

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

145 31.4 25.3 37.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

