

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102720\
 Data File : VV019130.D
 Acq On : 27 Oct 2020 14:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 28 01:14:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 28 01:06:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	284840	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279915	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153799	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101163	39.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.20%
7) Chloroethane-d5	1.58	69	81227	39.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.00%
11) 1,1-Dichloroethene-d2	2.12	63	206831	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.36%
21) 2-Butanone-d5	3.91	46	135731	77.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.99%
24) Chloroform-d	4.37	84	197908	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.46%
26) 1,2-Dichloroethane-d4	5.05	65	135320	44.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.94%
32) Benzene-d6	5.07	84	371746	43.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.84%
36) 1,2-Dichloropropane-d6	6.09	67	114101	41.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.28%
41) Toluene-d8	7.33	98	350558	45.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.56%
43) trans-1,3-Dichloropropene-	7.64	79	62478	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.92%
47) 2-Hexanone-d5	8.11	63	96856	80.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.32%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	148383	40.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	140377	43.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	101587	45.787	ug/L 100
3) Chloromethane	1.25	50	107621	39.003	ug/L 99
5) Vinyl chloride	1.32	62	109712	40.361	ug/L 100
6) Bromomethane	1.53	94	70274	45.183	ug/L 99
8) Chloroethane	1.60	64	70374	41.284	ug/L 99
9) Trichlorofluoromethane	1.76	101	174919	48.923	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88573	46.581	ug/L 96
12) 1,1-Dichloroethene	2.13	96	84633	44.486	ug/L 85
13) Acetone	2.19	43	112084	95.026	ug/L 98
14) Carbon disulfide	2.31	76	269205	42.919	ug/L 100
15) Methyl Acetate	2.45	43	102122	41.200	ug/L 98
16) Methylene chloride	2.52	84	97949	44.172	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	92500	46.010	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	301095	46.184	ug/L 99
19) 1,1-Dichloroethane	3.21	63	180983	44.587	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	98142	45.652	ug/L 98
22) 2-Butanone	3.99	43	140425	86.846	ug/L 97

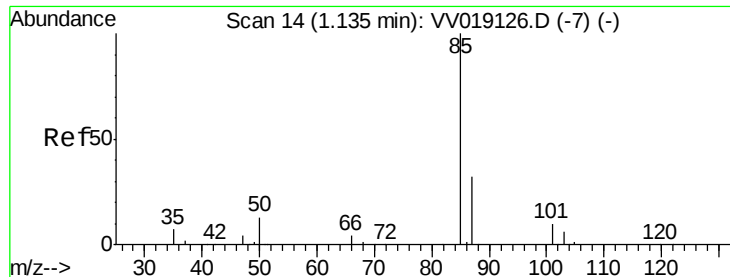
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102720\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 28 01:06:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52311	47.801	uq/L	88
25) Chloroform	4.40	83	182592	45.664	uq/L	96
27) 1,2-Dichloroethane	5.15	62	156393	47.127	uq/L	99
29) Cyclohexane	4.70	56	153074	45.687	uq/L	96
30) 1,1,1-Trichloroethane	4.63	97	169011	48.494	uq/L	98
31) Carbon tetrachloride	4.85	117	148370	48.835	uq/L	100
33) Benzene	5.12	78	382949	44.690	uq/L	100
34) Trichloroethene	5.93	95	100525	46.424	uq/L	95
35) Methylcyclohexane	6.15	83	141118	47.631	uq/L	97
37) 1,2-Dichloropropane	6.19	63	101160	42.881	uq/L	99
38) Bromodichloromethane	6.53	83	137443	46.046	uq/L	100
39) cis-1,3-Dichloropropene	7.05	75	158211	45.379	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	270068	84.856	uq/L	97
42) Toluene	7.41	91	421084	47.874	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	163772	47.349	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	93778	45.008	uq/L	98
46) Tetrachloroethene	7.99	164	83771	50.413	uq/L	98
48) 2-Hexanone	8.15	43	212421	86.494	uq/L	99
49) Dibromochloromethane	8.27	129	108648	47.707	uq/L	97
50) 1,2-Dibromoethane	8.37	107	98735	45.664	uq/L	99
51) Chlorobenzene	8.90	112	267128	47.353	uq/L	99
52) Ethylbenzene	9.03	91	461086	48.478	uq/L	100
53) m,p-Xylene	9.16	106	174506	50.119	uq/L	99
54) o-xylene	9.56	106	165944	49.499	uq/L	100
55) Styrene	9.58	104	300028	50.452	uq/L	99
56) Isopropylbenzene	9.95	105	445519	50.541	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	143623	41.892	uq/L	98
59) 1,2,3-Trichloropropane	10.29	75	120178	43.568	uq/L	99
61) Bromoform	9.75	173	81523	47.068	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	221784	48.053	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	227411	47.153	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	218184	46.886	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	35671	43.387	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	155310	49.280	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	146552	49.313	uq/L	99
69) Naphthalene	13.52	128	434123	47.411	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	145815	48.426	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.787 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

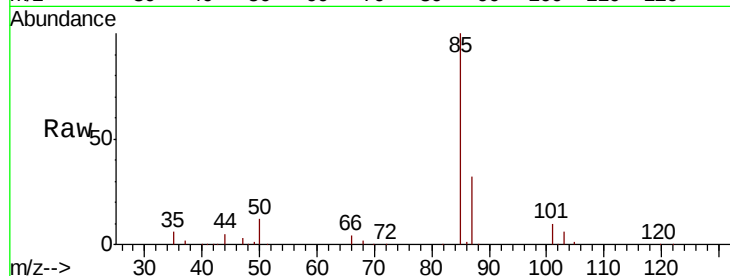
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 101587

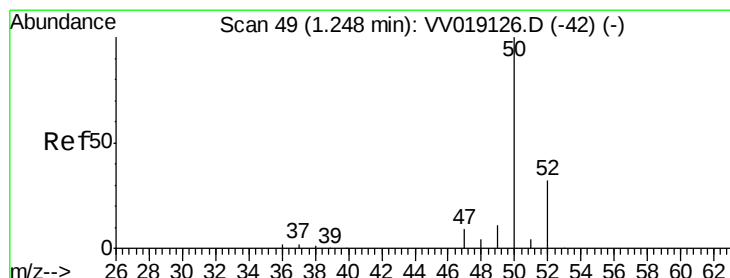
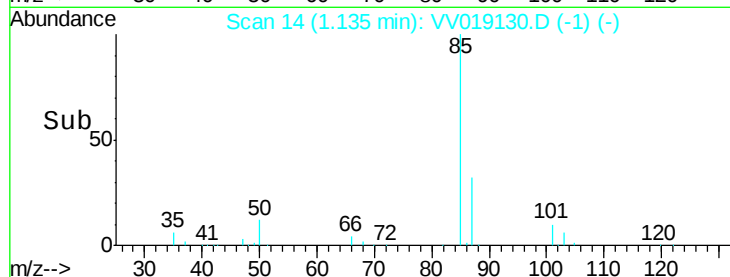
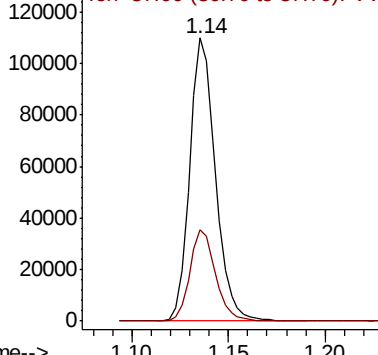
Ion Ratio Lower Upper

85 100

87 32.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 39.003 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019130.D

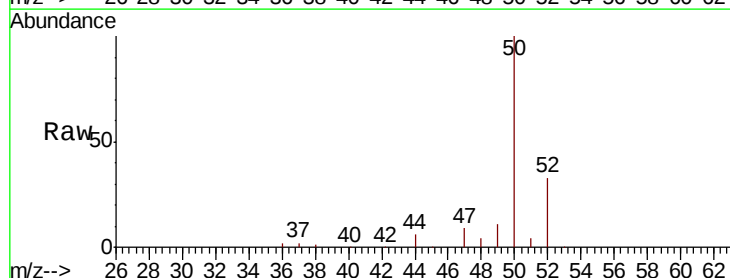
Acq: 27 Oct 2020 14:14

Tgt Ion: 50 Resp: 107621

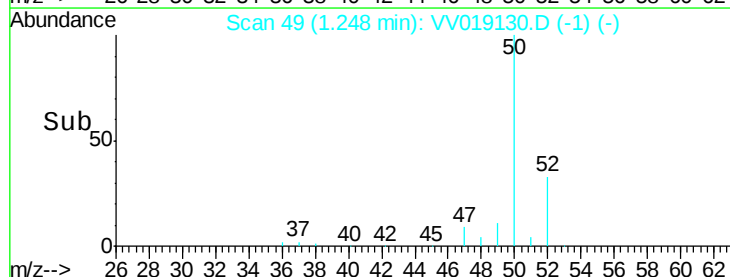
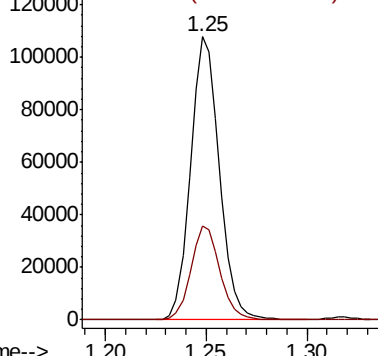
Ion Ratio Lower Upper

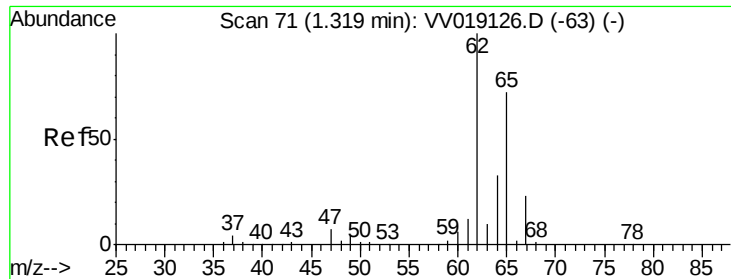
50 100

52 33.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 40.361 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

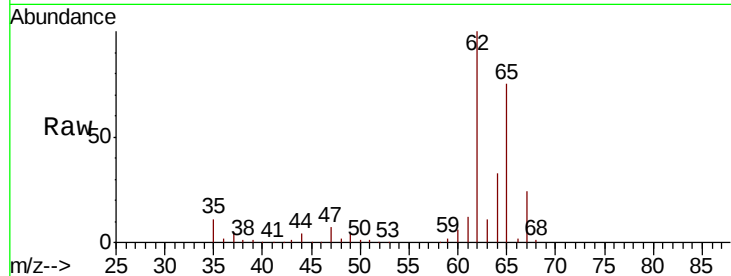
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 109712

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

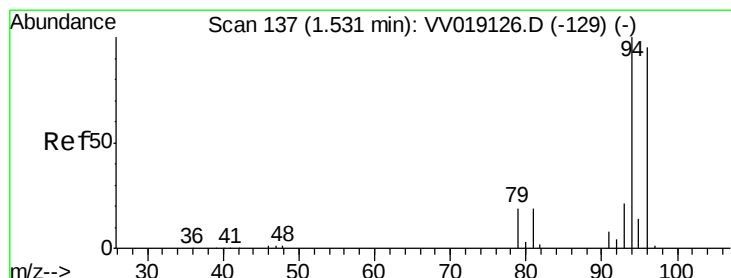
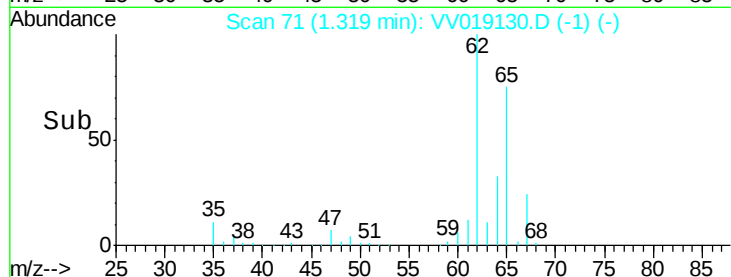
20000

0

1.32

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 45.183 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV019130.D

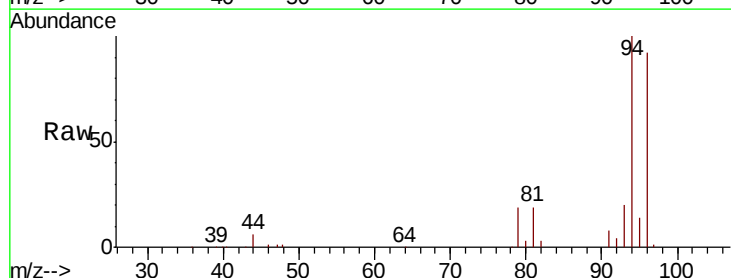
Acq: 27 Oct 2020 14:14

Tgt Ion: 94 Resp: 70274

Ion Ratio Lower Upper

94 100

96 92.3 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

40000

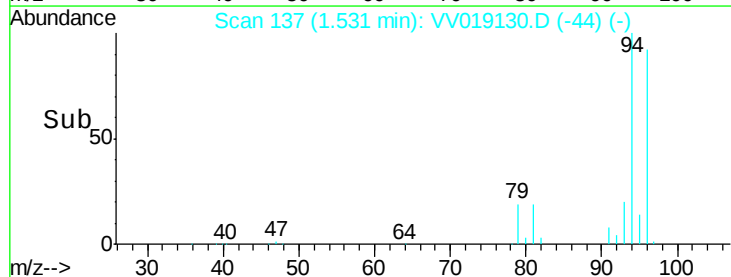
20000

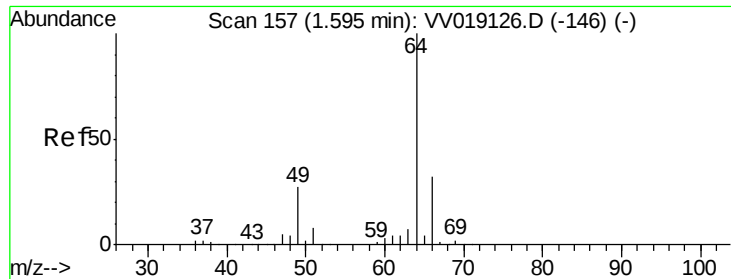
0

1.53

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 41.284 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

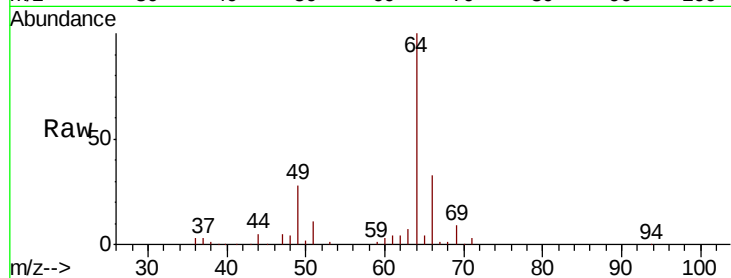
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 70374

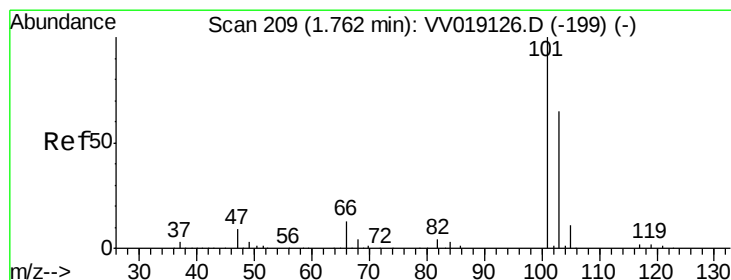
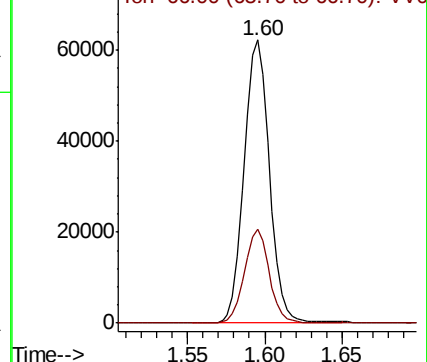
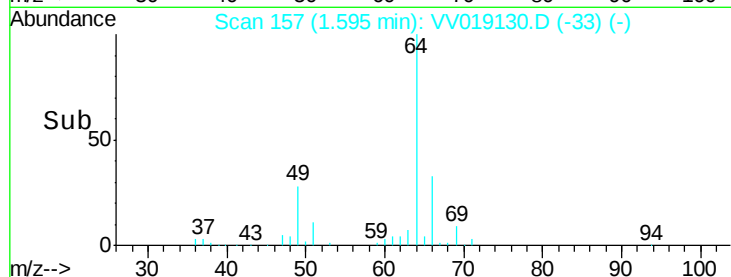
Ion Ratio Lower Upper

64 100

66 33.0 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019130.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 48.923 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019130.D

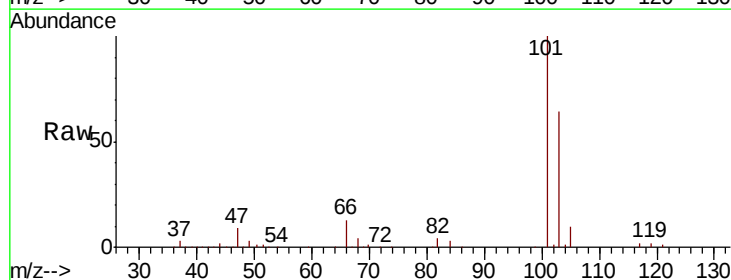
Acq: 27 Oct 2020 14:14

Tgt Ion:101 Resp: 174919

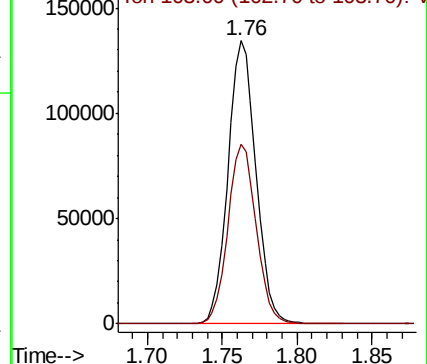
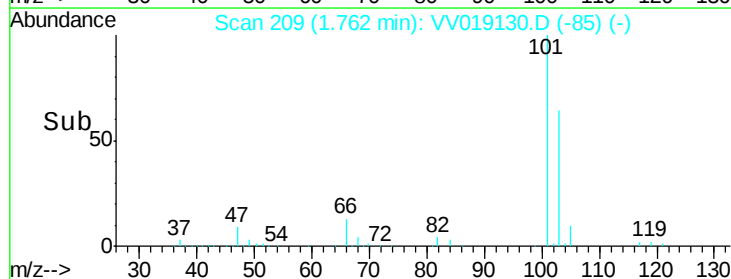
Ion Ratio Lower Upper

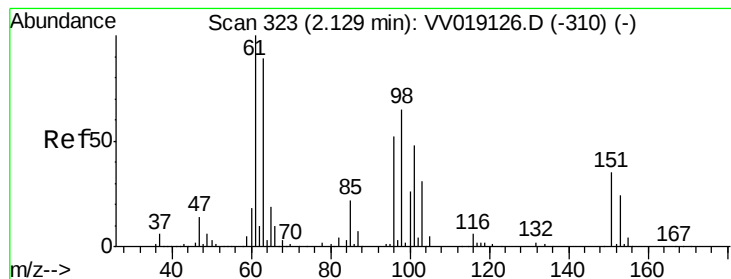
101 100

103 64.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019130.D (-85) (-)





#10

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

Concen: 46.581 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Instrument :

MSVOA_V

ClientSampled :

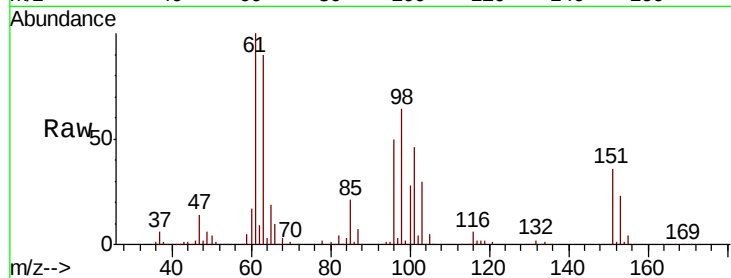
Tot Ion:101 Resp: 88573

Ion Ratio Lower Upper

101 100

85 44.7 36.9 55.3

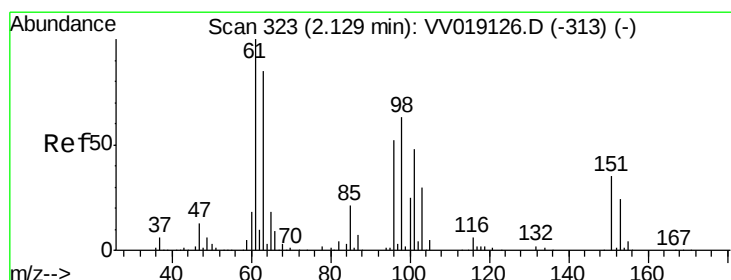
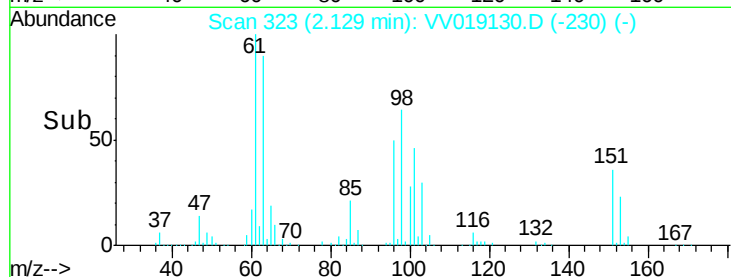
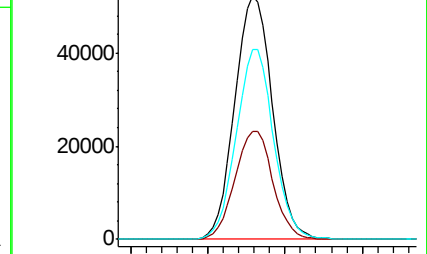
151 77.1 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): VV019130.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019130.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019130.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 44.486 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

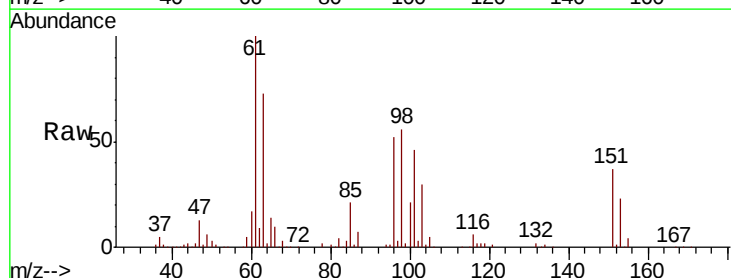
Tgt Ion: 96 Resp: 84633

Ion Ratio Lower Upper

96 100

61 193.1 138.7 257.7

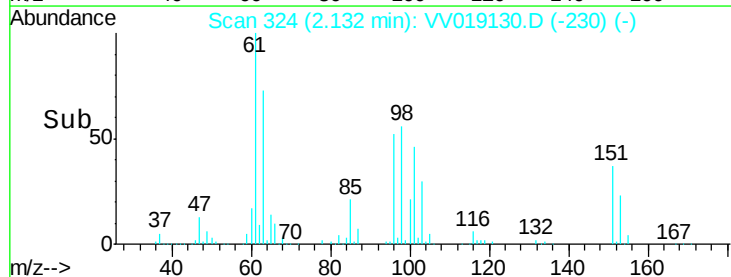
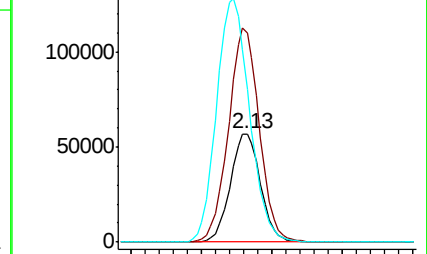
63 140.5 126.3 234.6

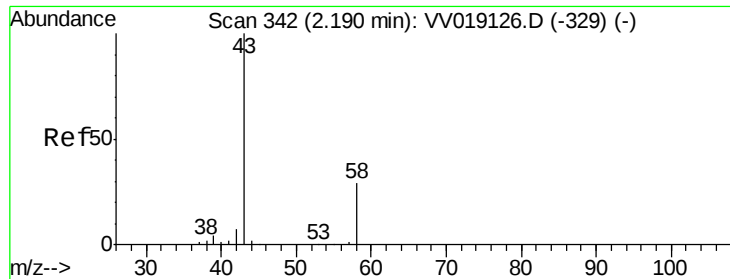


Abundance Ion 96.00 (95.70 to 96.70): VV019130.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV019130.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV019130.D (-230) (-)





#13

Acetone

Concen: 95.026 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

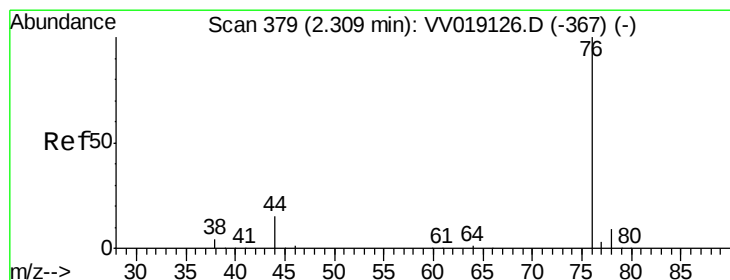
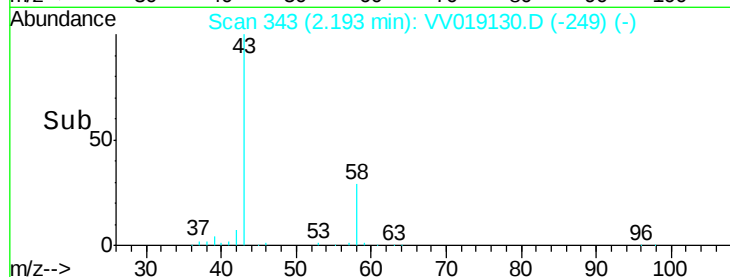
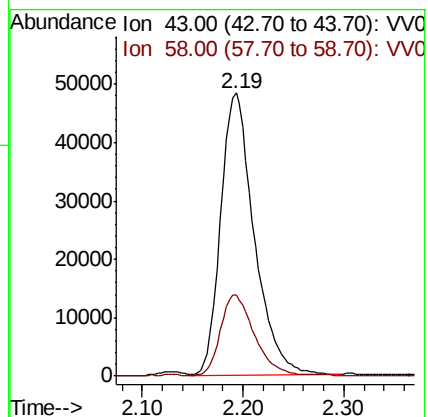
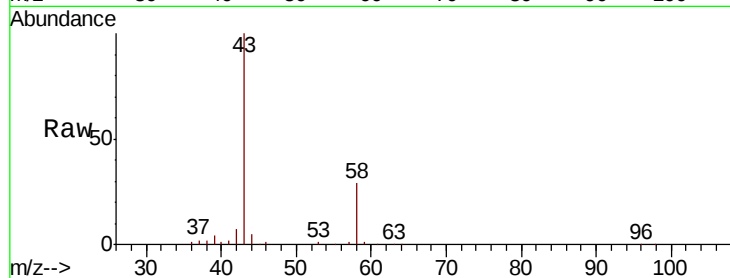
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 112084

Ion Ratio Lower Upper

43 100

58 29.0 0.0 60.2



#14

Carbon disulfide

Concen: 42.919 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019130.D

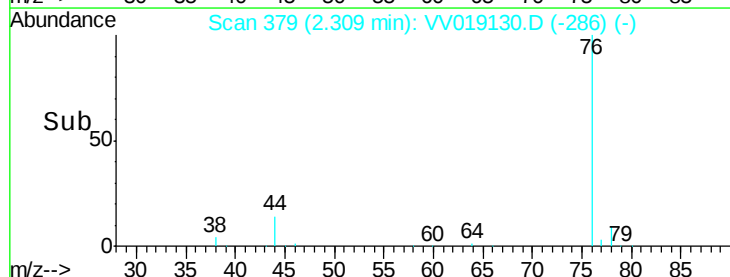
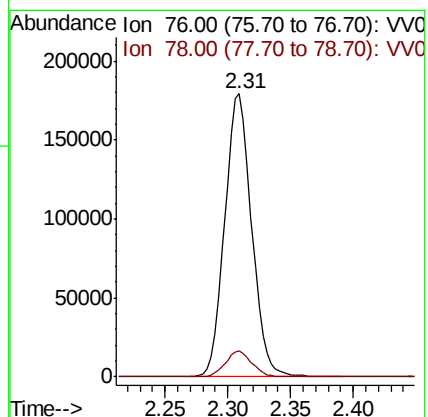
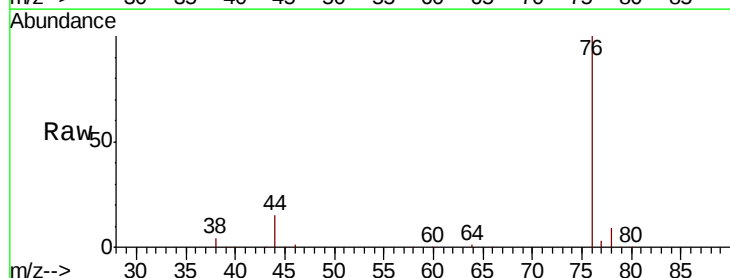
Acq: 27 Oct 2020 14:14

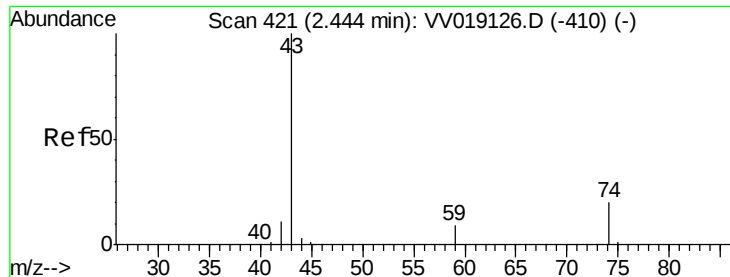
Tgt Ion: 76 Resp: 269205

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

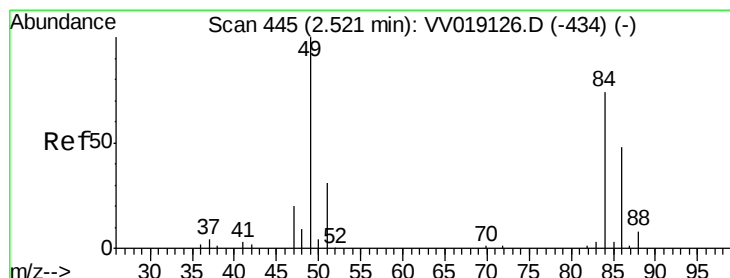
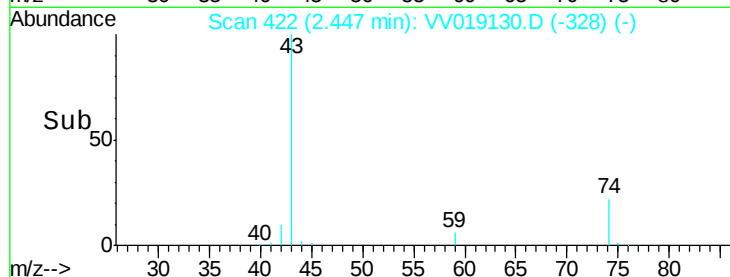
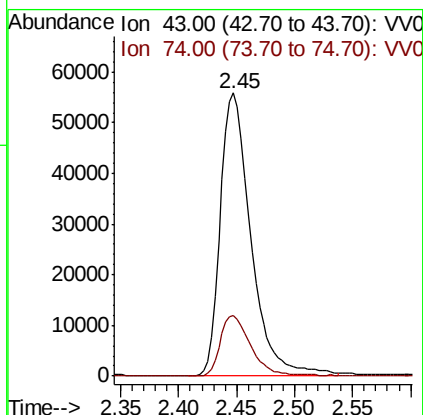
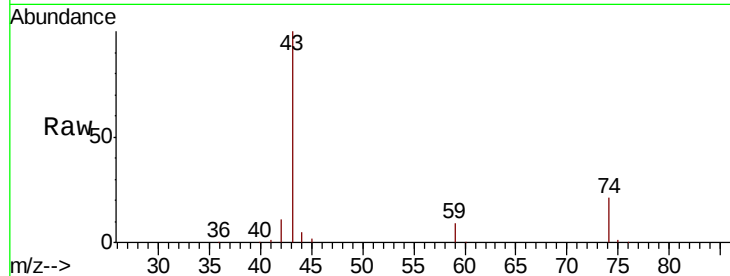




#15
Methvl Acetate
Concen: 41.200 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

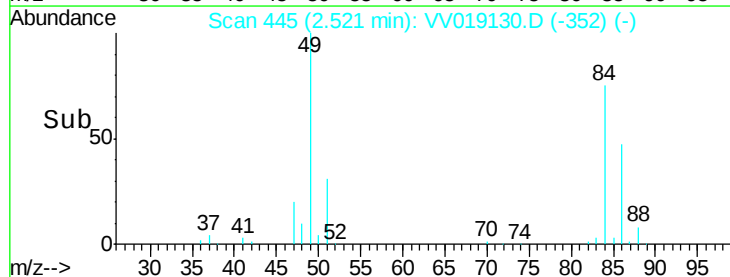
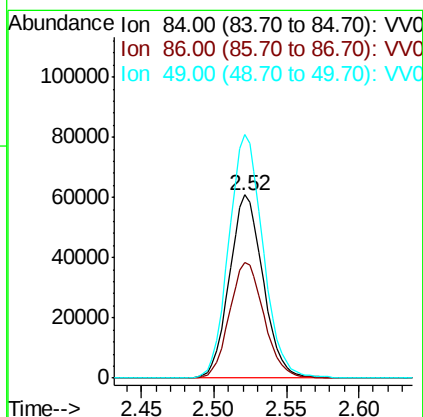
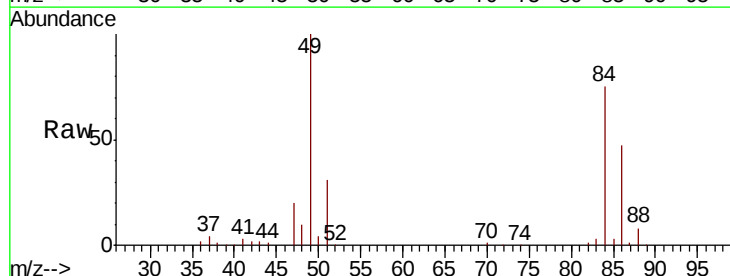
Instrument :
MSVOA_V
ClientSampleId :

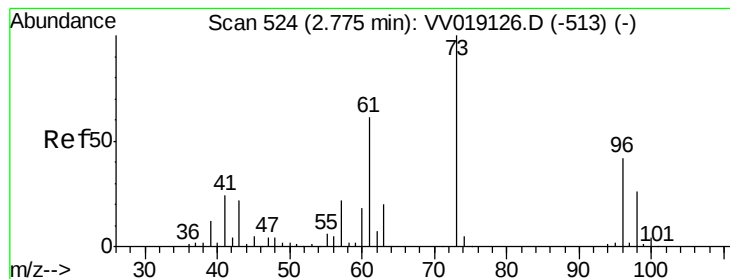
Tot Ion: 43 Resp: 102122
Ion Ratio Lower Upper
43 100
74 21.6 16.4 24.6



#16
Methylene chloride
Concen: 44.172 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

Tgt Ion: 84 Resp: 97949
Ion Ratio Lower Upper
84 100
86 63.0 44.2 82.2
49 132.9 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 46.010 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

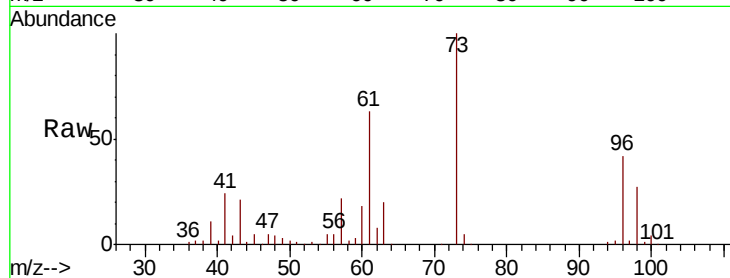
Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 92500

Ion	Ratio	Lower	Upper
96	100		
61	150.0	108.6	201.8
98	63.8	45.7	84.9

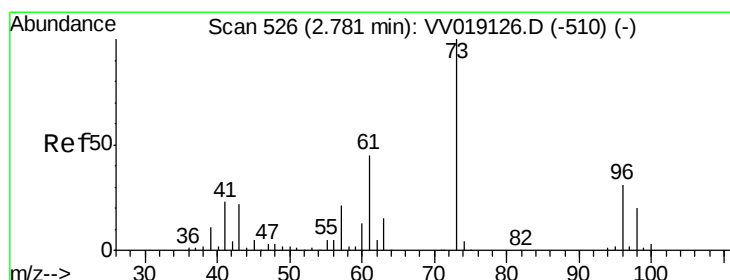
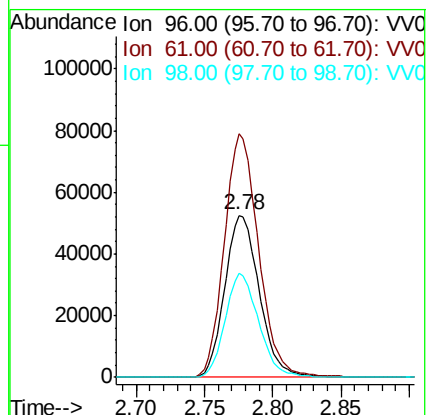
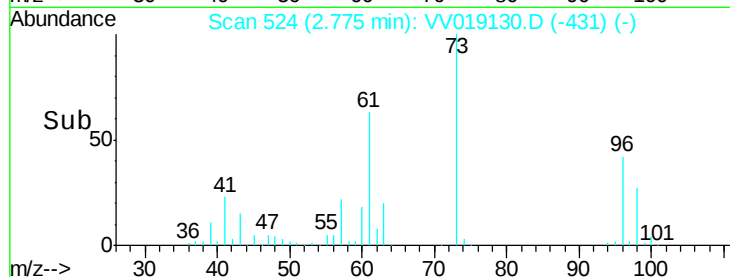


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 46.184 ug/L

RT: 2.78 min Scan# 526

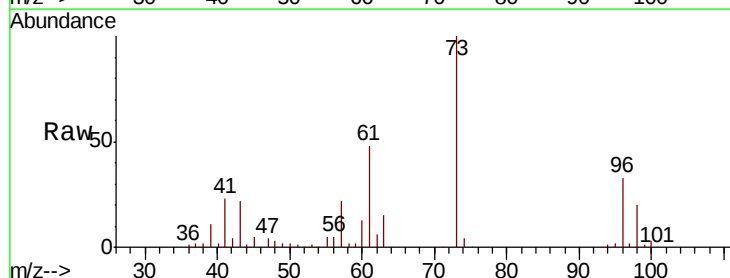
Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Tgt Ion: 73 Resp: 301095

Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.2	25.8
57	22.3	18.5	27.7

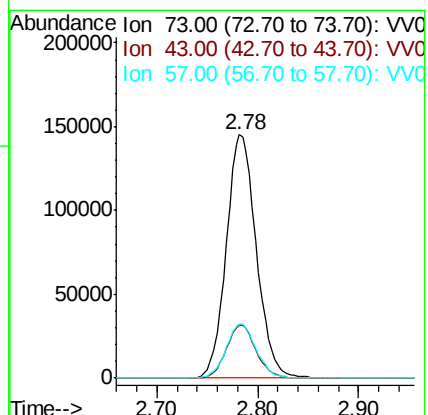
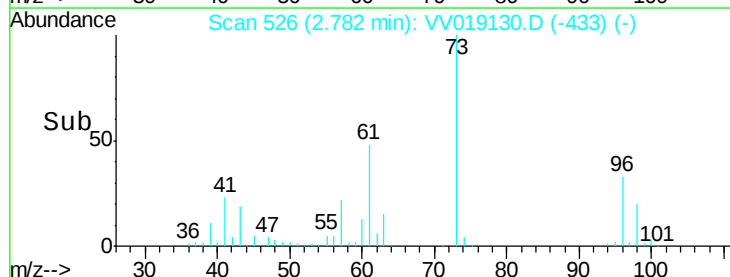


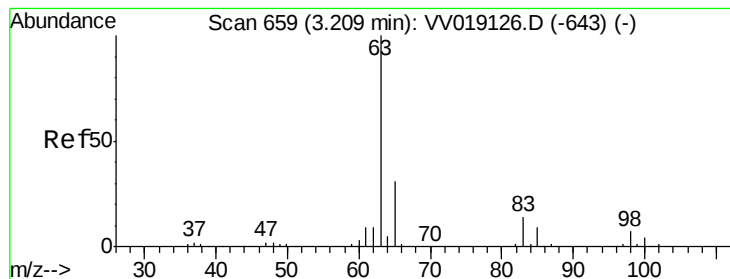
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 44.587 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Instrument :

MSVOA_V

ClientSampled :

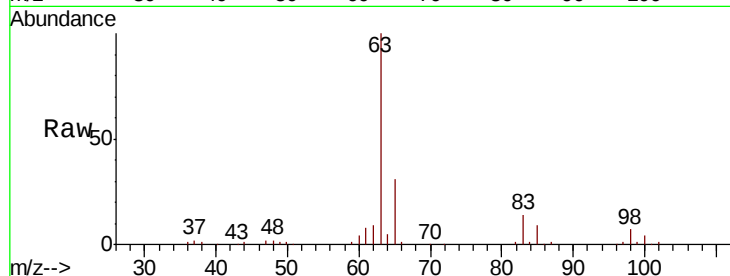
Tot Ion: 63 Resp: 180983

Ion Ratio Lower Upper

63 100

65 31.1 22.7 42.1

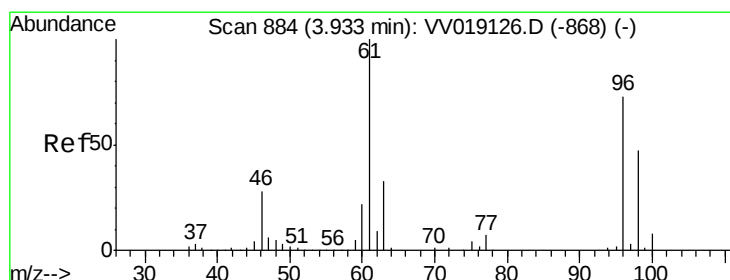
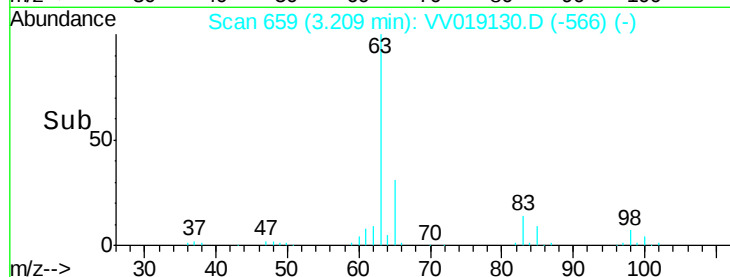
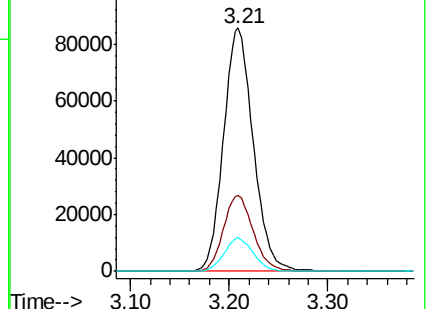
83 13.6 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 45.652 ug/L

RT: 3.93 min Scan# 884

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

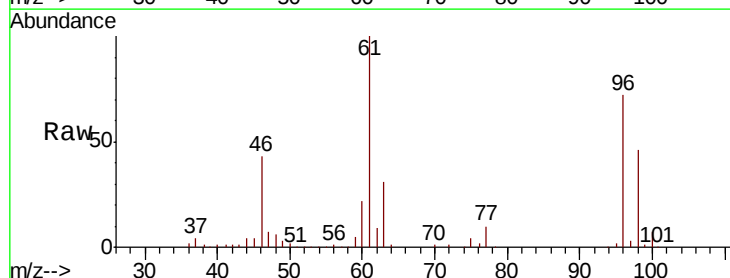
Tgt Ion: 96 Resp: 98142

Ion Ratio Lower Upper

96 100

61 139.1 99.4 184.6

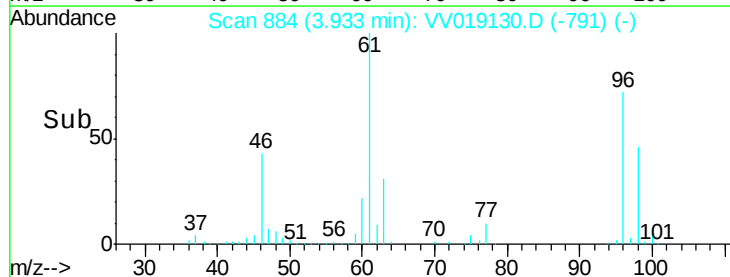
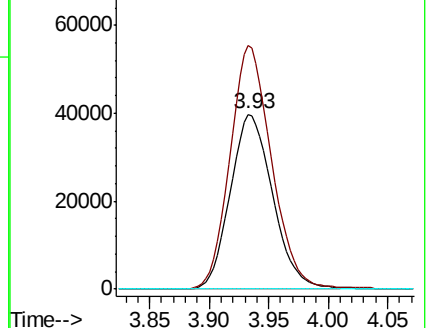
68 0.0 0.0 0.0

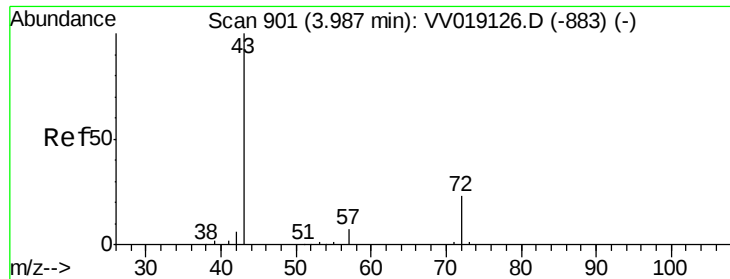


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 86.846 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

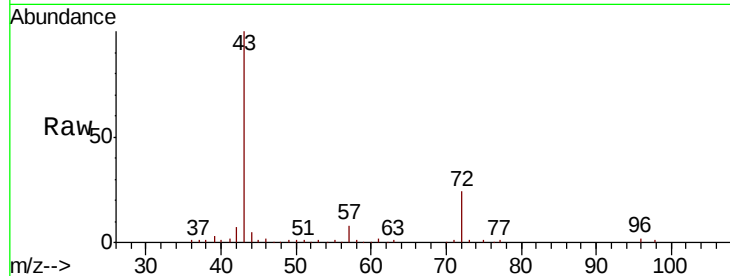
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 140425

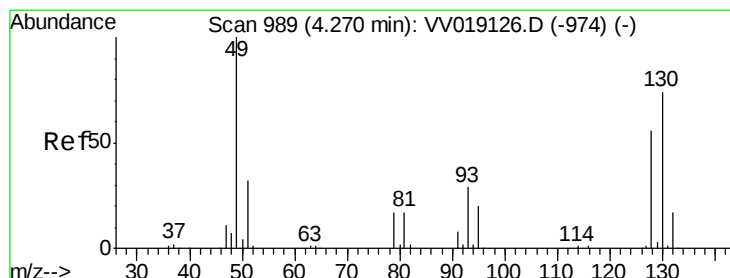
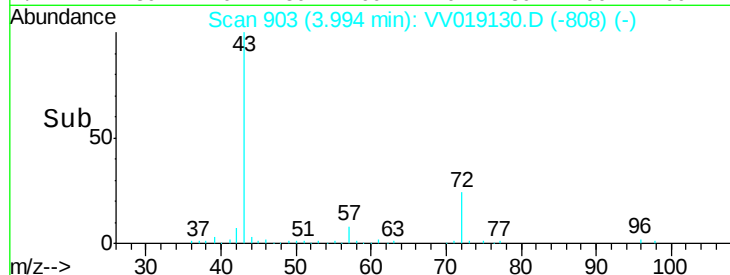
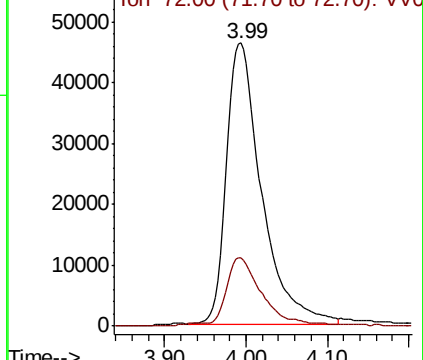
Ion Ratio Lower Upper

43 100

72 22.9 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019130.D (-896) (-)



#23

Bromochloromethane

Concen: 47.801 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Tgt Ion: 128 Resp: 52311

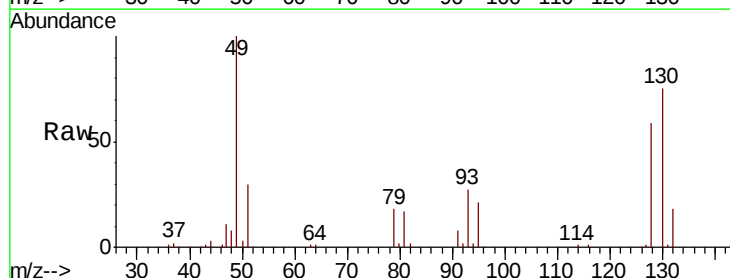
Ion Ratio Lower Upper

128 100

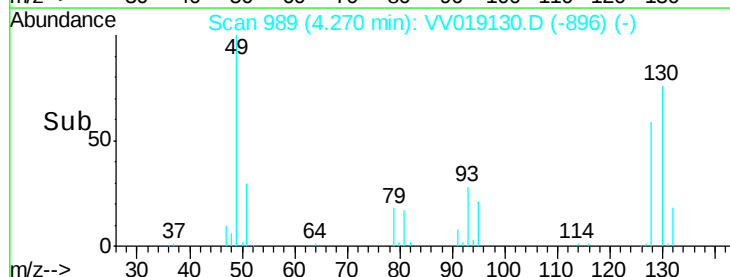
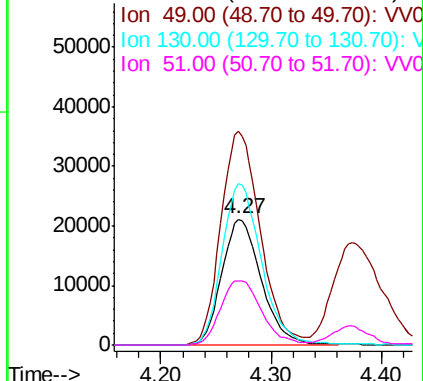
49 170.2 137.1 254.5

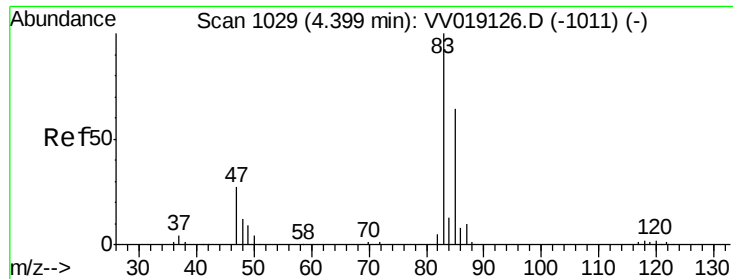
130 128.3 92.0 170.9

51 51.2 49.0 73.4



Abundance Ion 128.00 (127.70 to 128.70): VV019130.D (-896) (-)

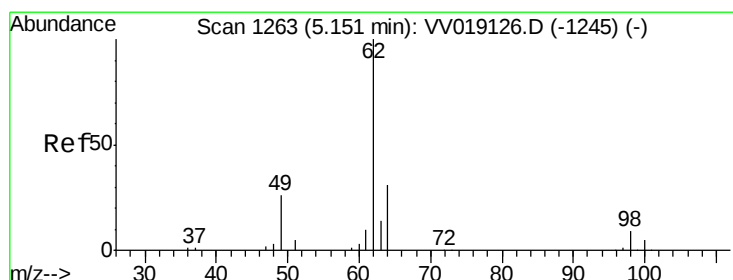
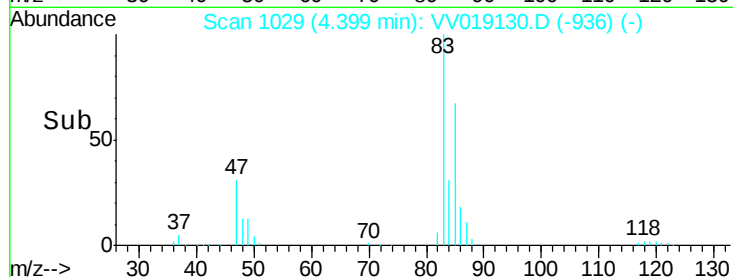
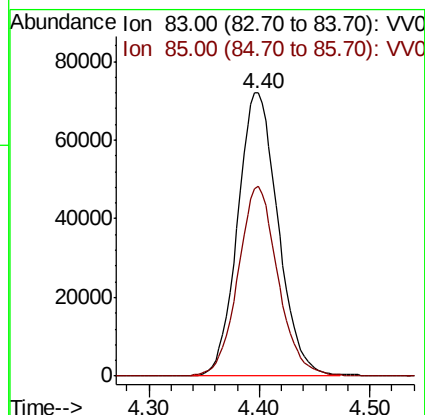
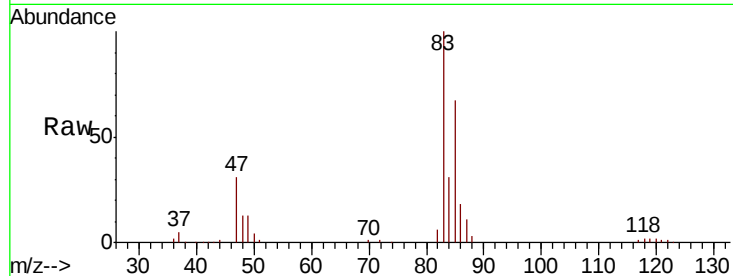




#25
Chloroform
Concen: 45.664 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

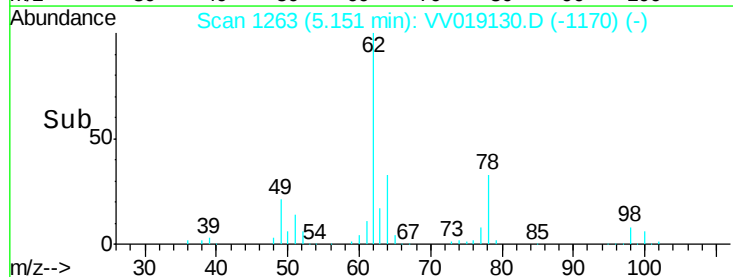
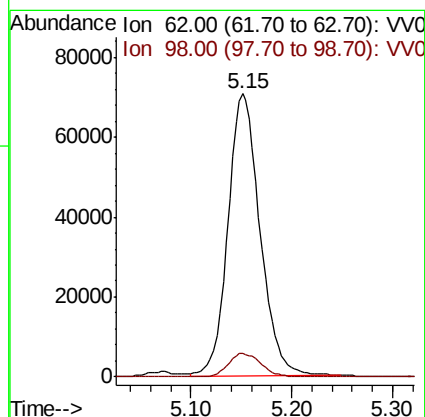
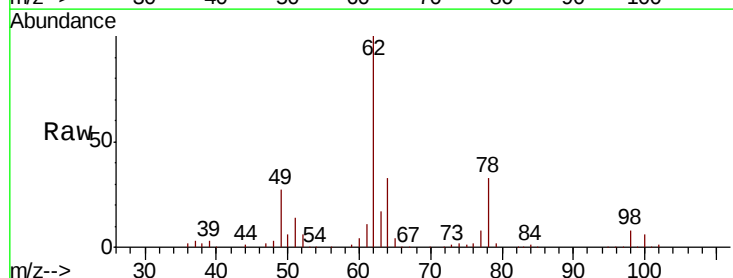
Instrument :
MSVOA_V
ClientSampleId :

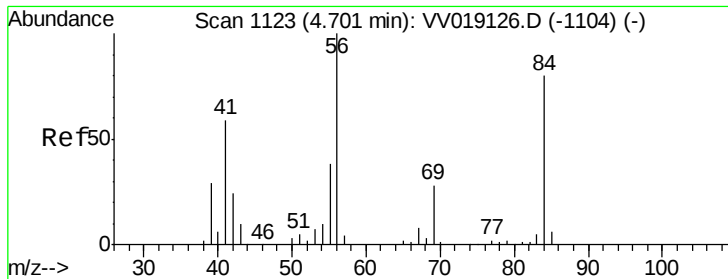
Tot Ion: 83 Resp: 182592
Ion Ratio Lower Upper
83 100
85 66.9 44.5 82.7



#27
1,2-Dichloroethane
Concen: 47.127 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

Tgt Ion: 62 Resp: 156393
Ion Ratio Lower Upper
62 100
98 8.4 6.9 10.3

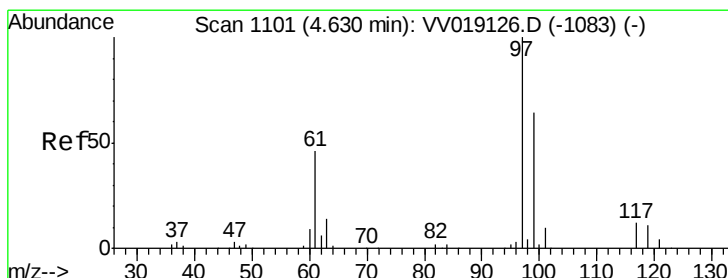
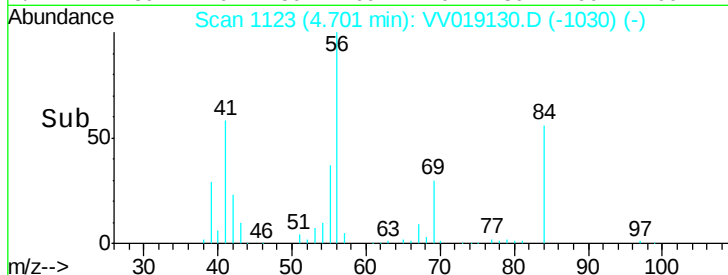
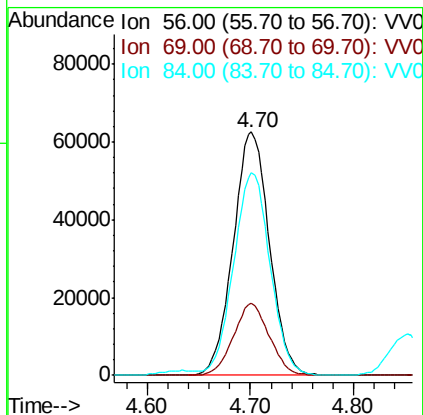
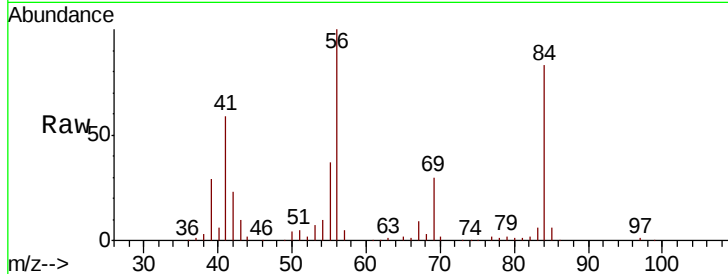




#29
Cyclohexane
Concen: 45.687 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

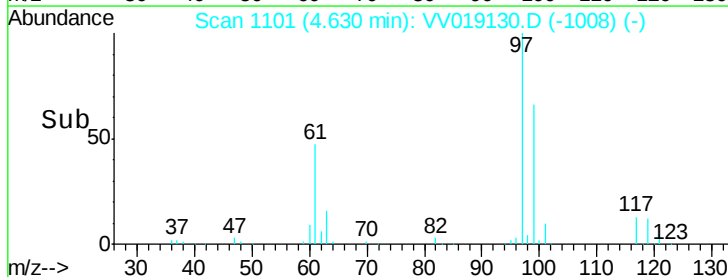
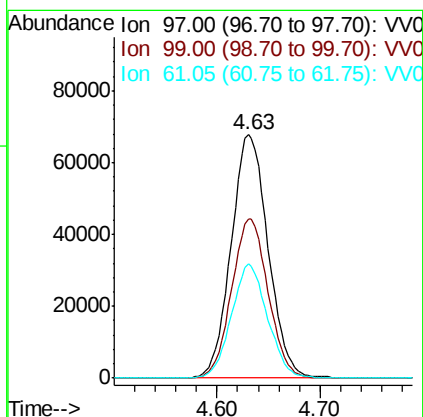
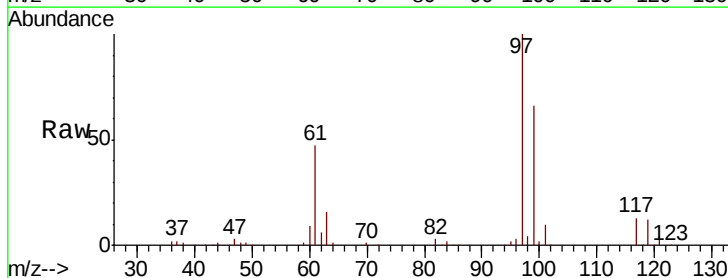
Instrument :
MSVOA_V
ClientSampleId :

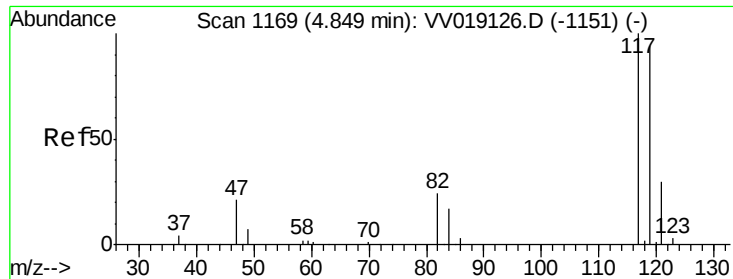
Tot Ion: 56 Resp: 153074
Ion Ratio Lower Upper
56 100
69 29.3 22.7 34.1
84 84.2 63.5 95.3



#30
1,1,1-Trichloroethane
Concen: 48.494 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

Tgt Ion: 97 Resp: 169011
Ion Ratio Lower Upper
97 100
99 64.5 50.5 75.7
61 46.0 38.1 57.1



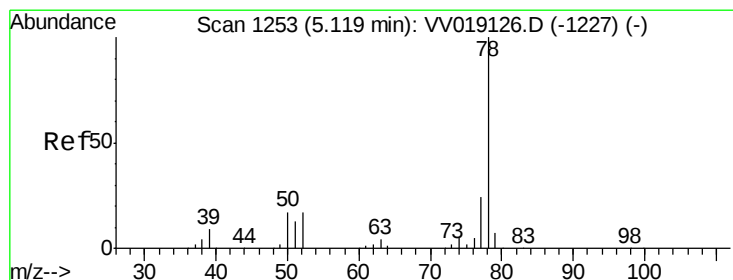
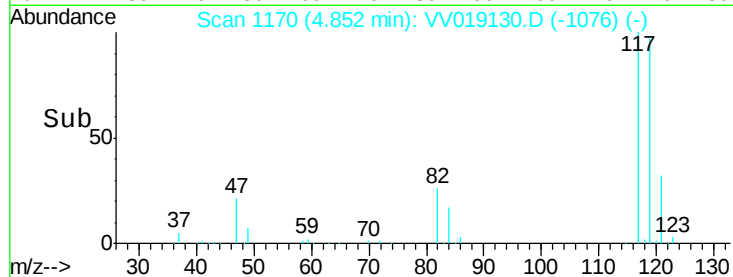
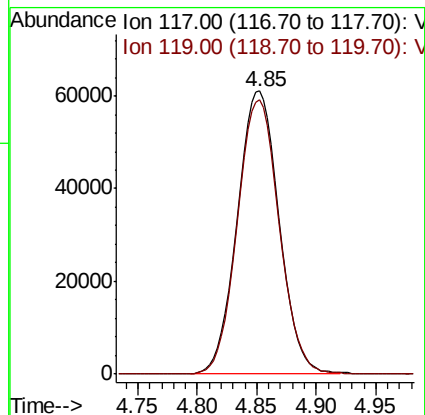
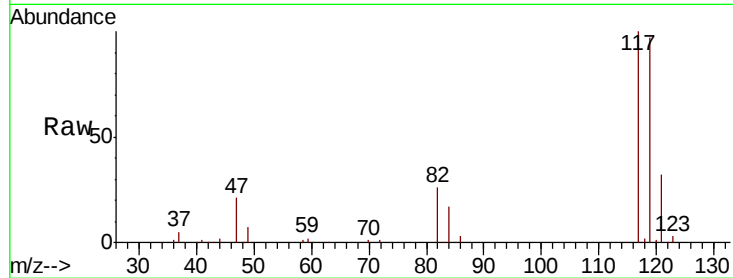


#31

Carbon tetrachloride
 Concen: 48.835 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Instrument :
 MSVOA_V
 ClientSampleId :

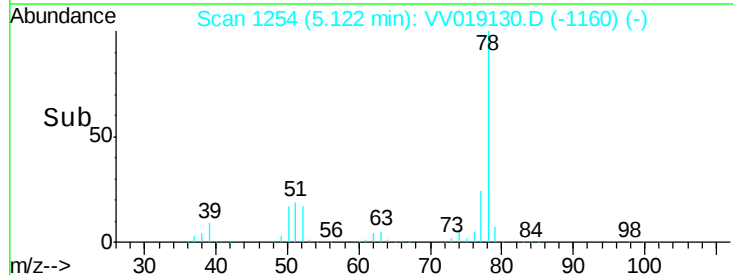
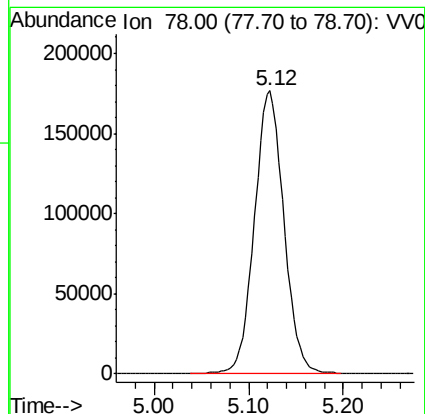
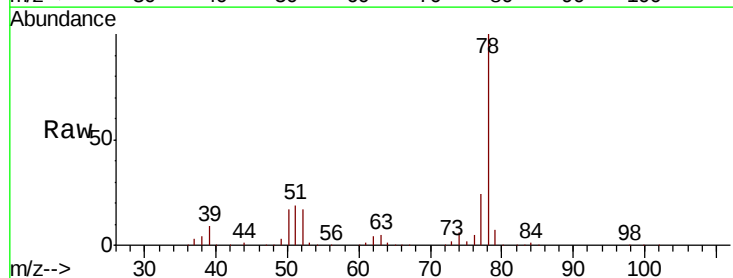
Tot Ion:117 Resp: 148370
 Ion Ratio Lower Upper
 117 100
 119 97.0 77.2 115.8

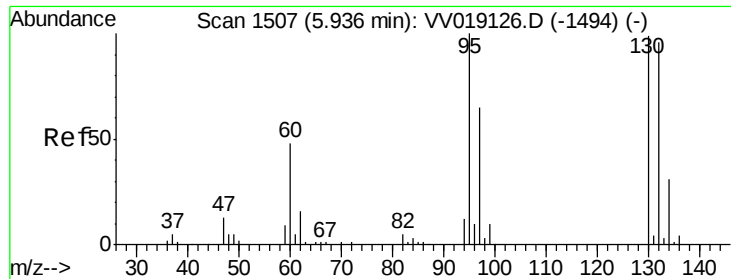


#33

Benzene
 Concen: 44.690 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Tgt Ion: 78 Resp: 382949

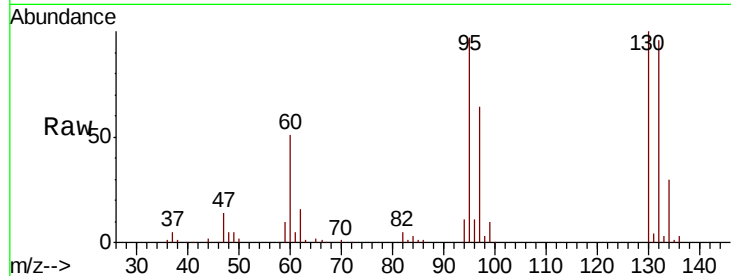




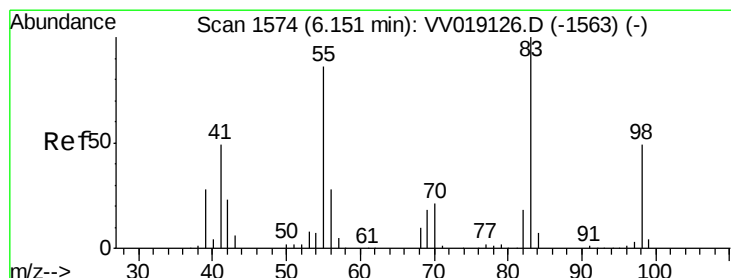
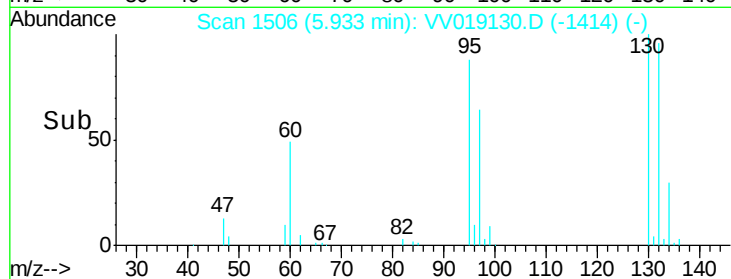
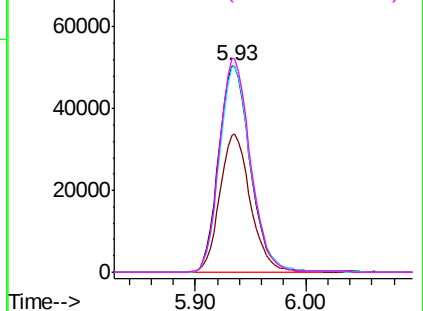
#34
 Trichloroethene
 Concen: 46.424 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 100525
 Ion Ratio Lower Upper
 95 100
 97 66.3 44.6 82.8
 132 99.0 66.0 122.6
 130 103.3 67.6 125.6

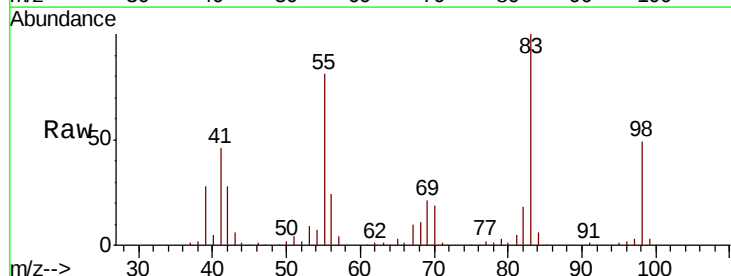


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

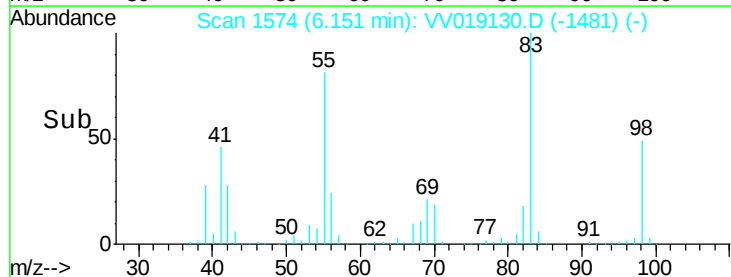
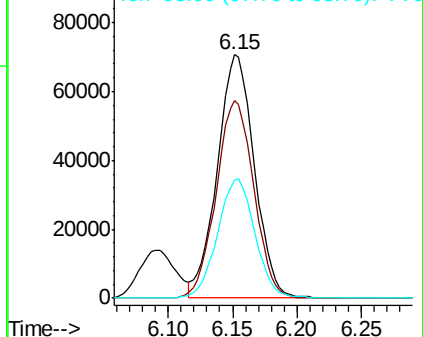


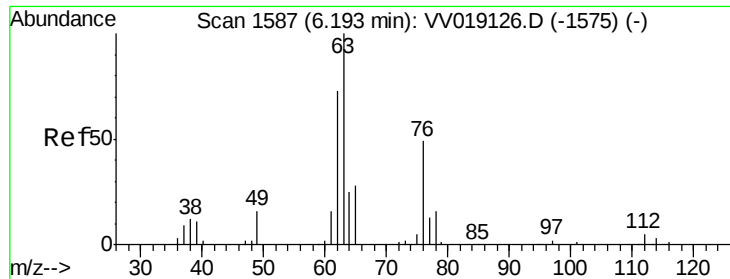
#35
 Methylcyclohexane
 Concen: 47.631 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Tgt Ion: 83 Resp: 141118
 Ion Ratio Lower Upper
 83 100
 55 82.0 68.1 102.1
 98 49.6 37.9 56.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

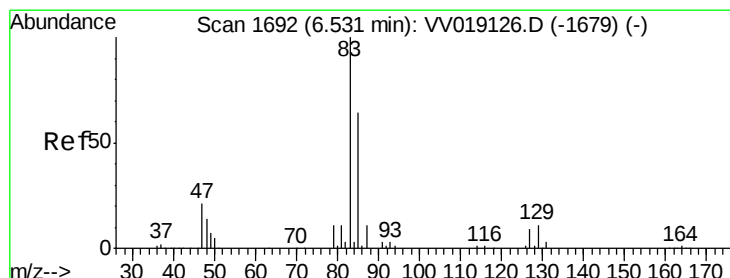
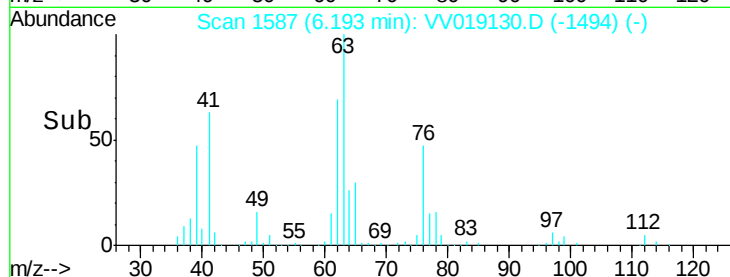
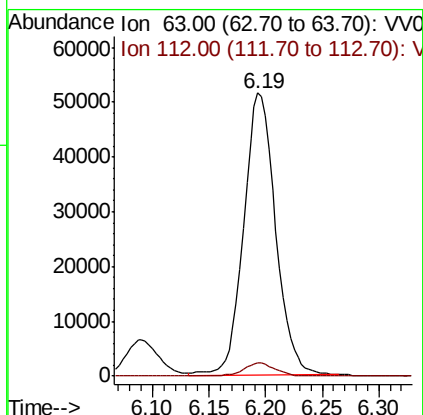
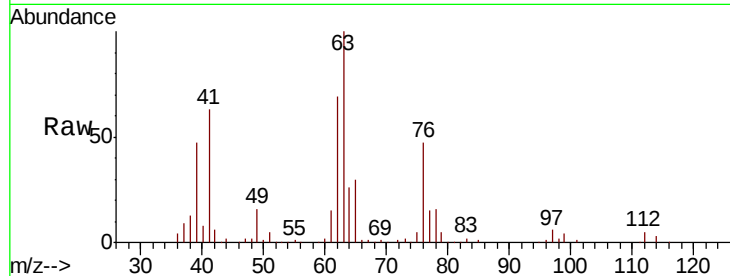




#37
 1,2-Dichloropropane
 Concen: 42.881 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

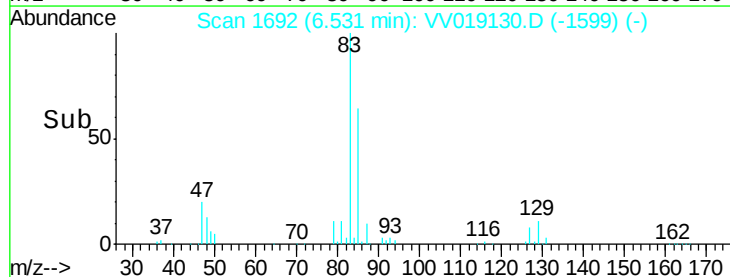
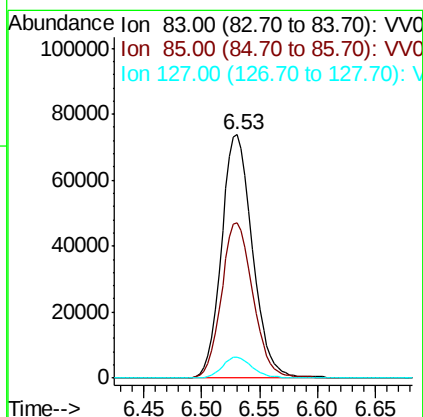
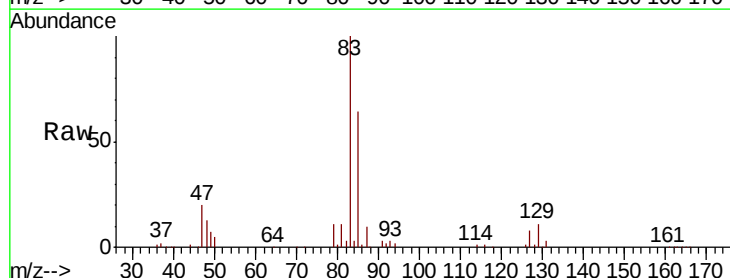
Instrument :
 MSVOA_V
 ClientSampleId :

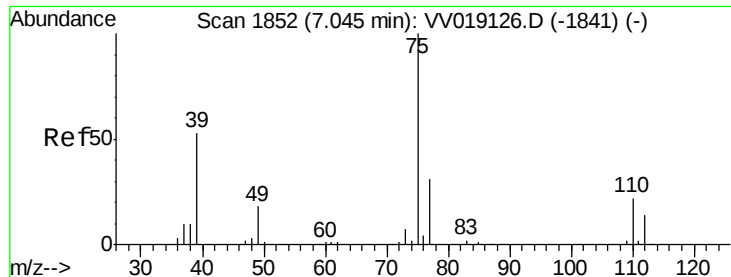
Tot Ion: 63 Resp: 101160
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 46.046 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Tgt Ion: 83 Resp: 137443
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.9 83.3
 127 8.4 7.0 10.4

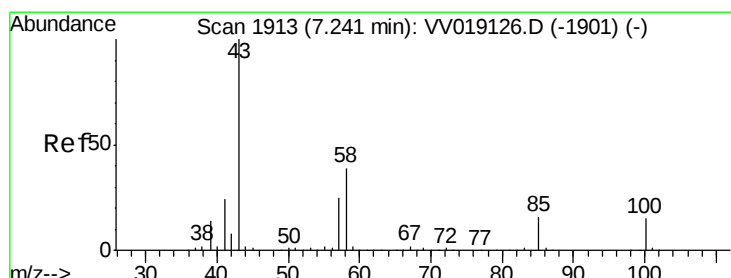
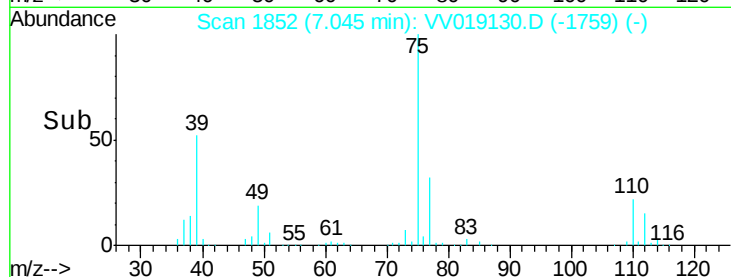
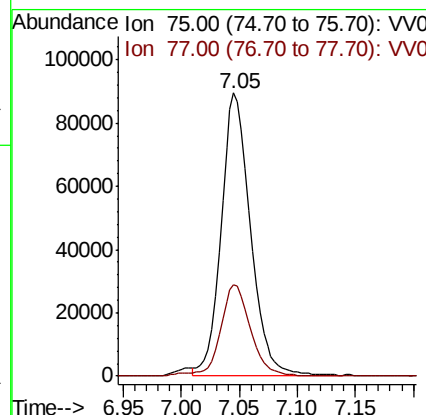
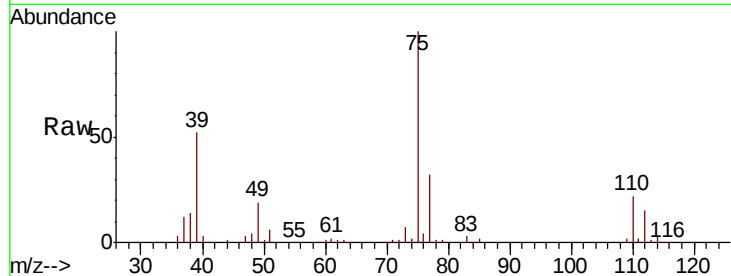




#39
 cis-1,3-Dichloropropene
 Concen: 45.379 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

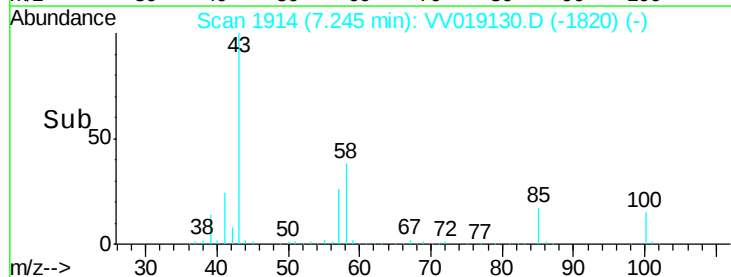
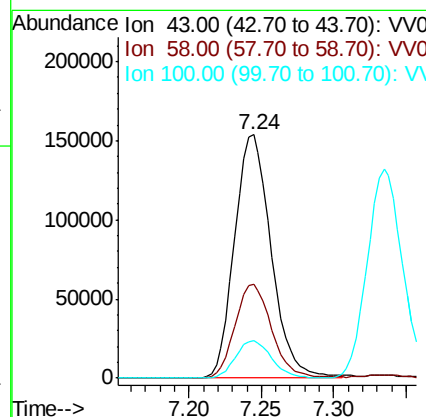
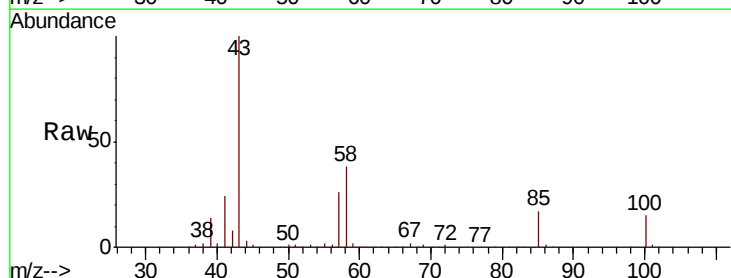
Instrument :
 MSVOA_V
 ClientSampled :

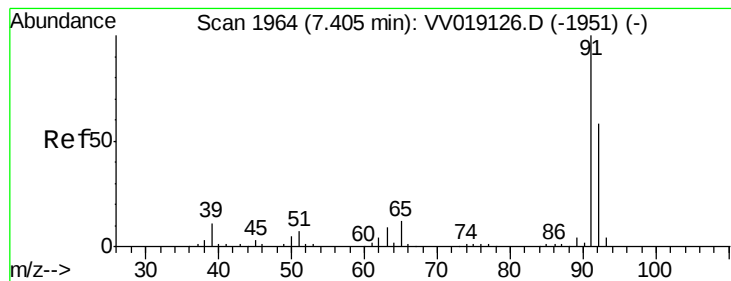
Tot Ion: 75 Resp: 158211
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 84.856 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Tgt Ion: 43 Resp: 270068
 Ion Ratio Lower Upper
 43 100
 58 38.5 29.6 44.4
 100 15.2 10.9 16.3





#42

Toluene

Concen: 47.874 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

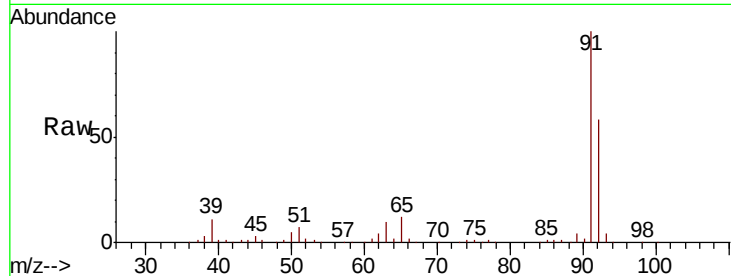
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 421084

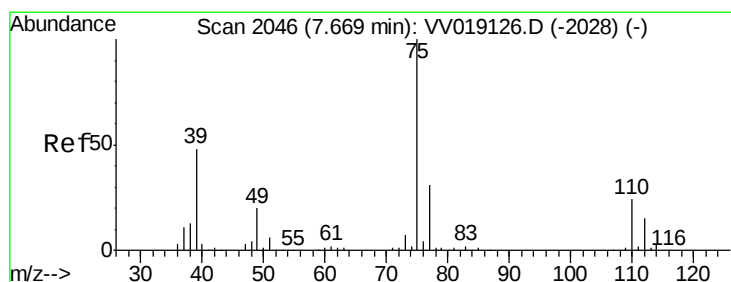
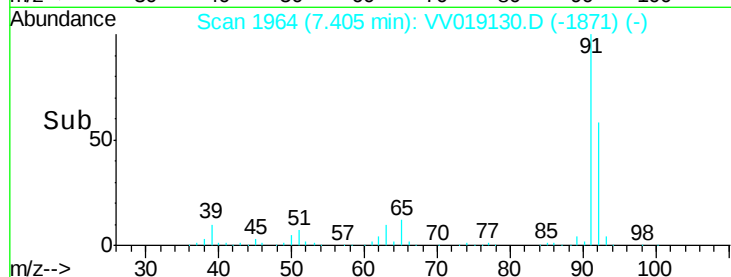
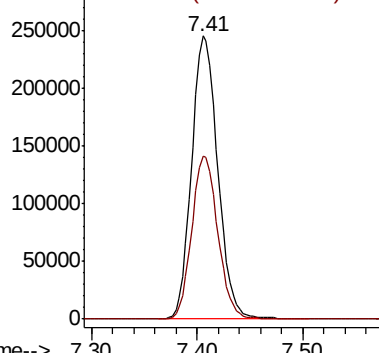
Ion Ratio Lower Upper

91 100

92 57.5 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 47.349 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019130.D

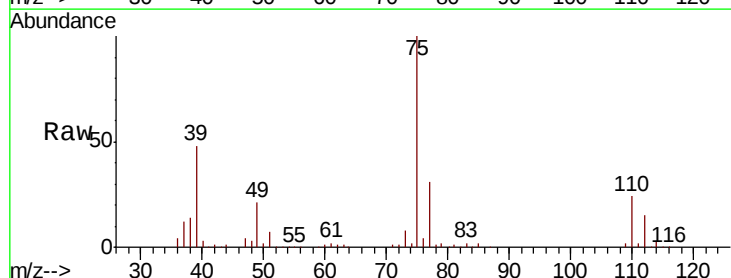
Acq: 27 Oct 2020 14:14

Tgt Ion: 75 Resp: 163772

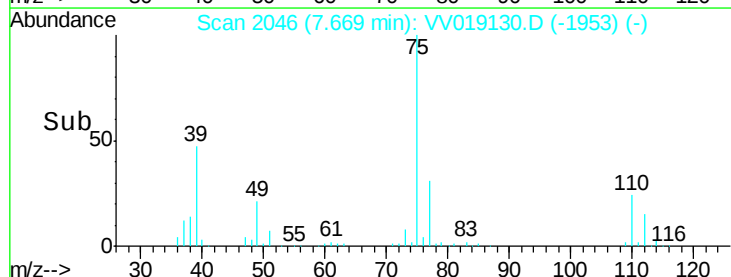
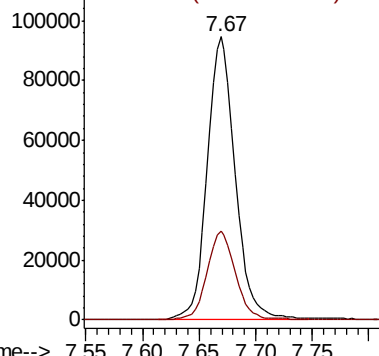
Ion Ratio Lower Upper

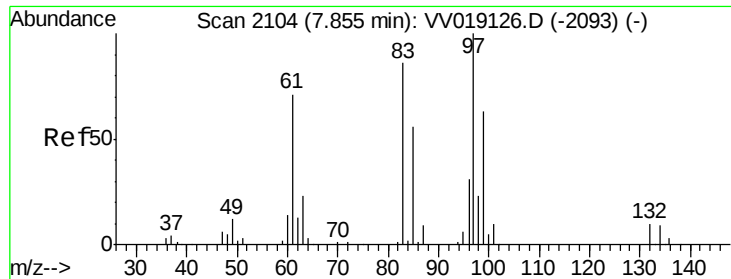
75 100

77 31.4 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

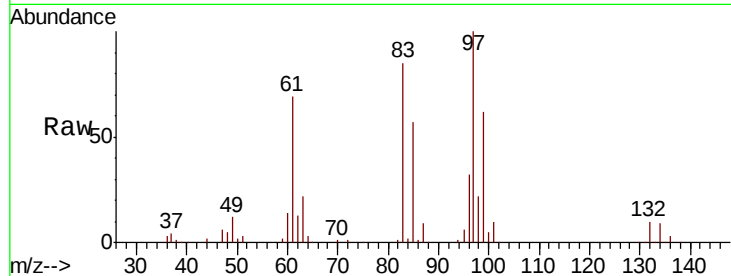




#45
1,1,2-Trichloroethane
Concen: 45.008 ug/L
RT: 7.86 min Scan# 2104
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

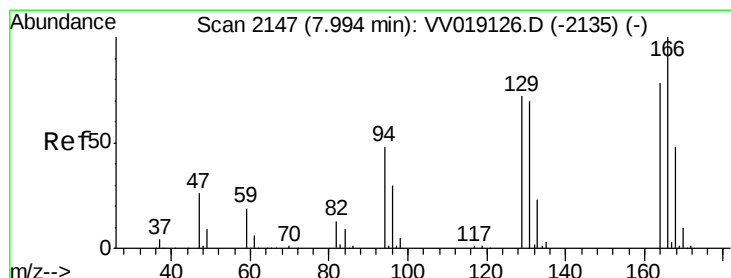
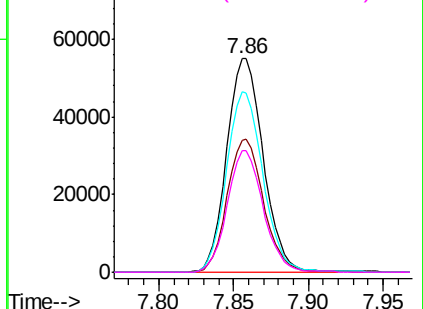
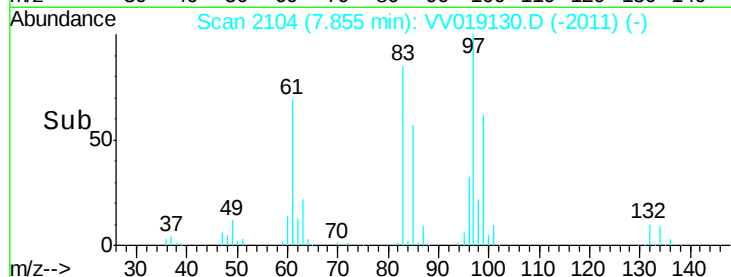
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	93778
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.5	80.9
83	84.6	62.2	115.4
85	56.8	39.9	74.1



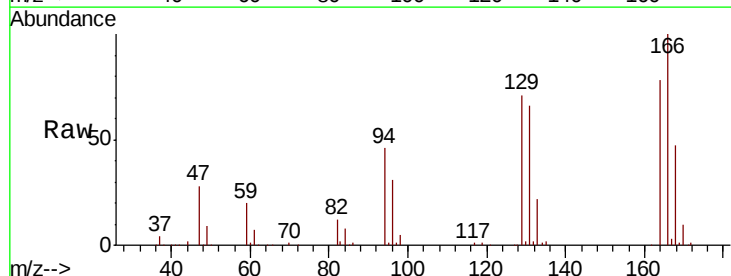
Abundance

Ion 97.00 (96.70 to 97.70): VV019130.D (-2011) (-)



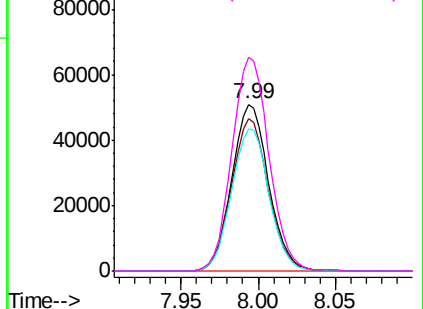
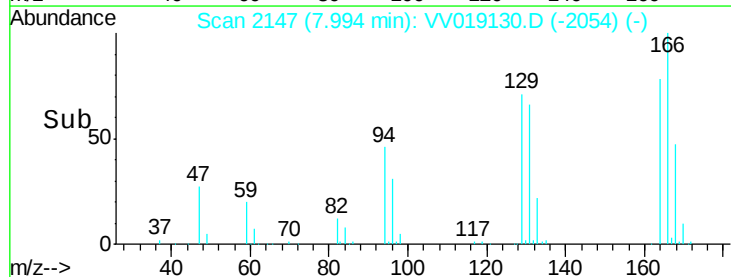
#46
Tetrachloroethene
Concen: 50.413 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

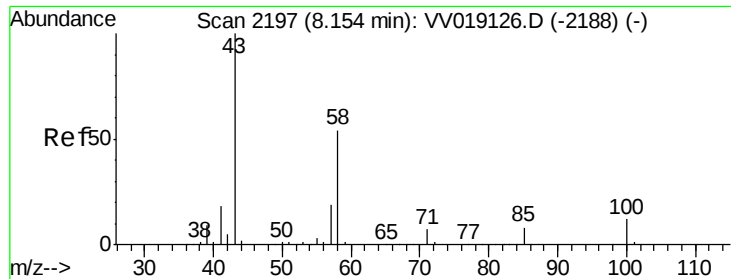
Tgt Ion:	164	Resp:	83771
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.5	121.6
131	85.2	62.4	115.8
166	128.2	90.0	167.2



Abundance

Ion 164.00 (163.70 to 164.70): VV019130.D (-2054) (-)

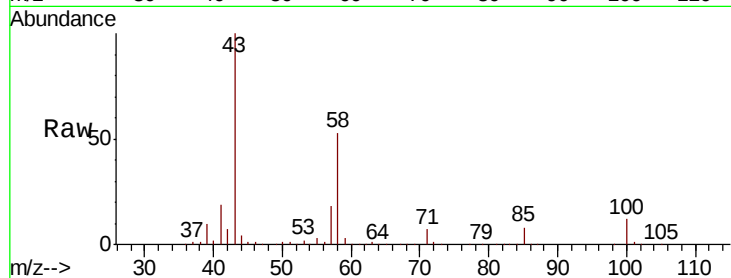




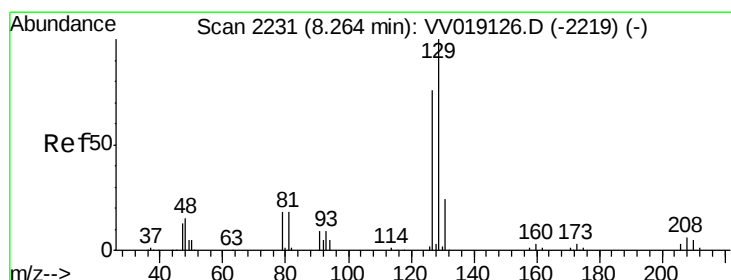
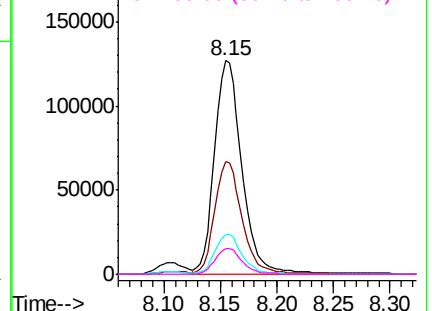
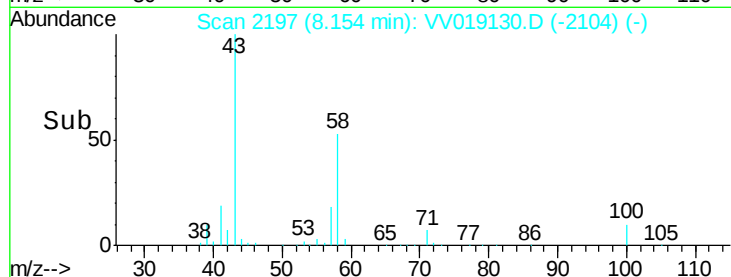
#48
2-Hexanone
Concen: 86.494 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 212421
Ion Ratio Lower Upper
43 100
58 51.2 41.1 61.7
57 18.4 14.7 22.1
100 12.0 8.6 12.8

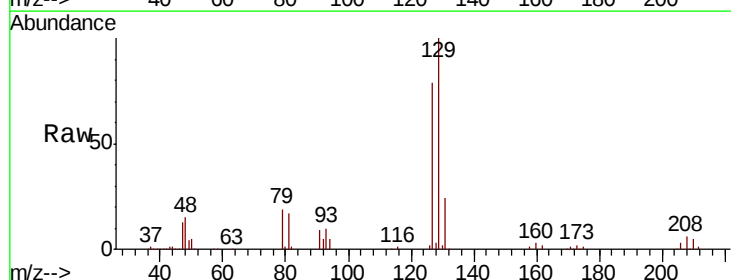


Abundance Ion 43.00 (42.70 to 43.70): VV019130.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019130.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019130.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019130.D (-2104) (-)

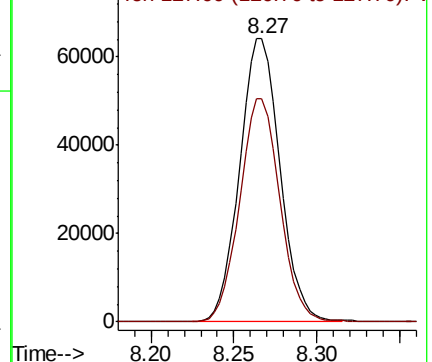
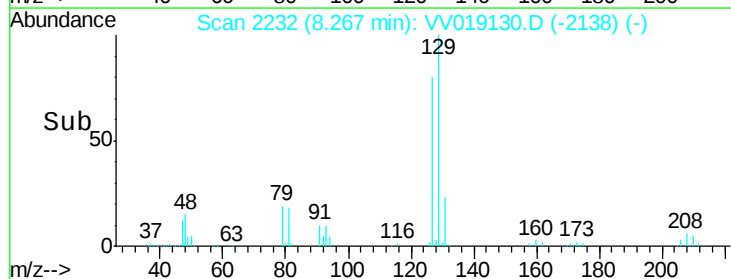


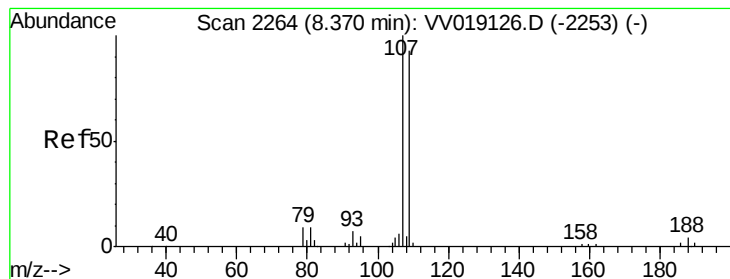
#49
Dibromochloromethane
Concen: 47.707 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

Tgt Ion: 129 Resp: 108648
Ion Ratio Lower Upper
129 100
127 79.0 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019130.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019130.D (-2138) (-)





#50

1,2-Dibromoethane

Concen: 45.664 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Instrument :

MSVOA_V

ClientSampleId :

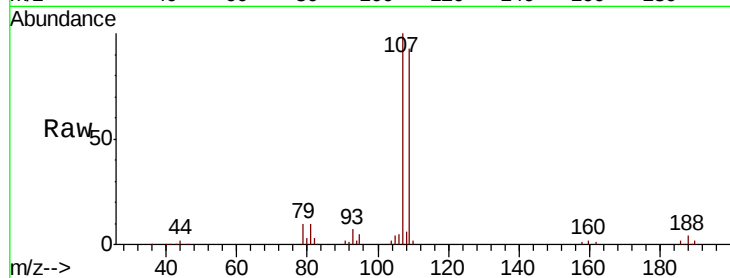
Tot Ion:107 Resp: 98735

Ion Ratio Lower Upper

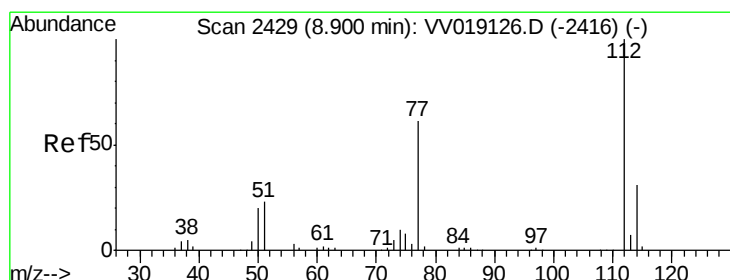
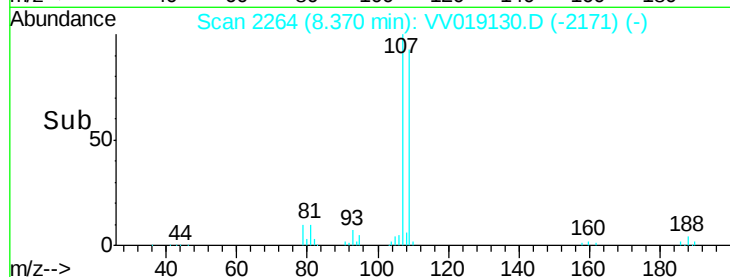
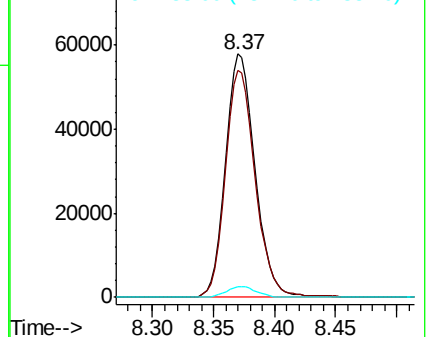
107 100

109 93.4 66.1 122.7

188 4.3 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 47.353 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

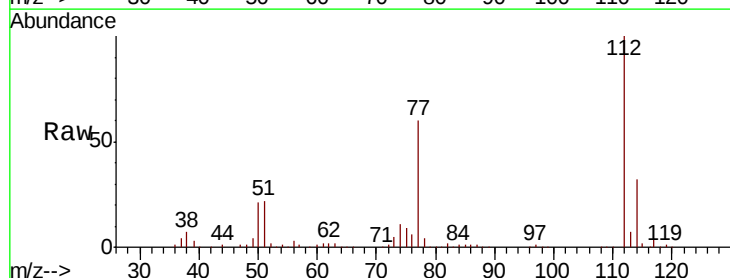
Tgt Ion:112 Resp: 267128

Ion Ratio Lower Upper

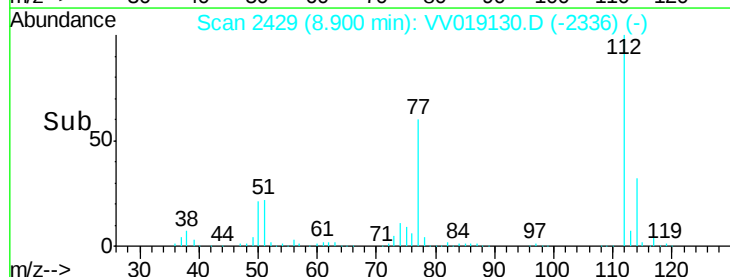
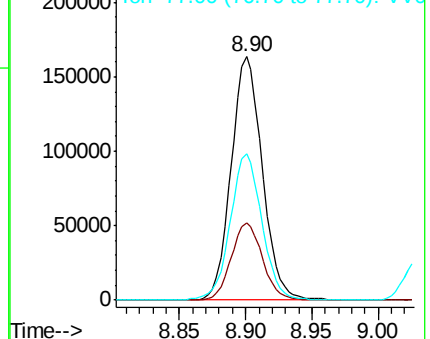
112 100

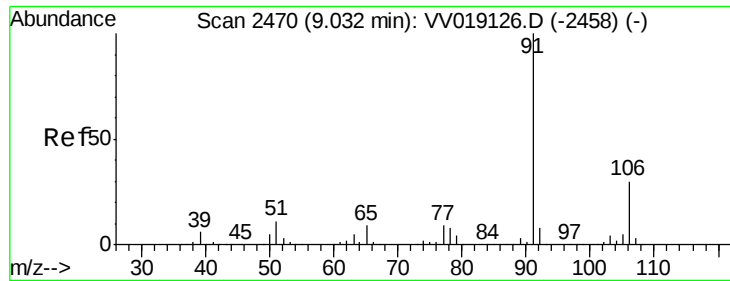
114 31.5 22.2 41.2

77 60.1 49.1 73.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 48.478 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Instrument :

MSVOA_V

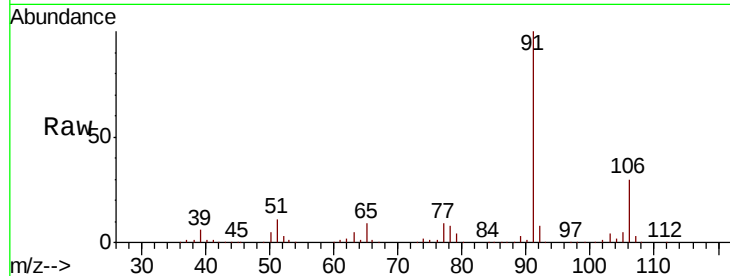
ClientSampleId :

Tot Ion: 91 Resp: 461086

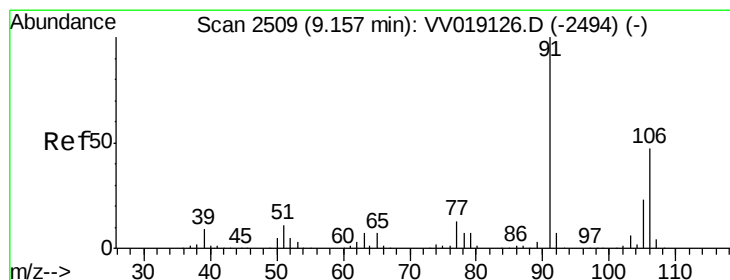
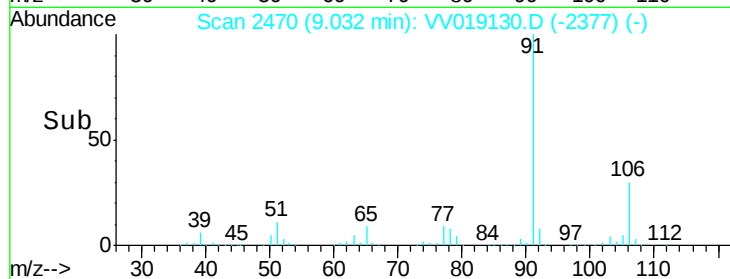
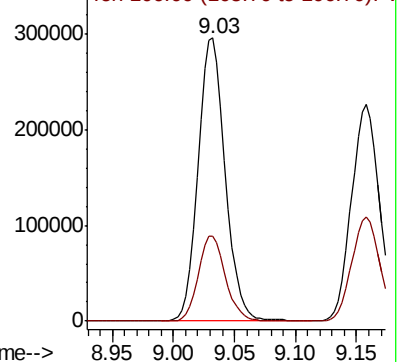
Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019130.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.119 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019130.D

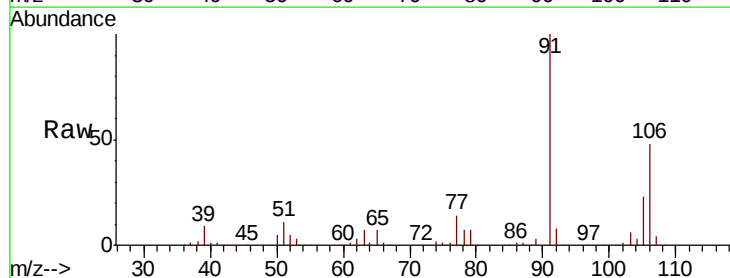
Acq: 27 Oct 2020 14:14

Tgt Ion: 106 Resp: 174506

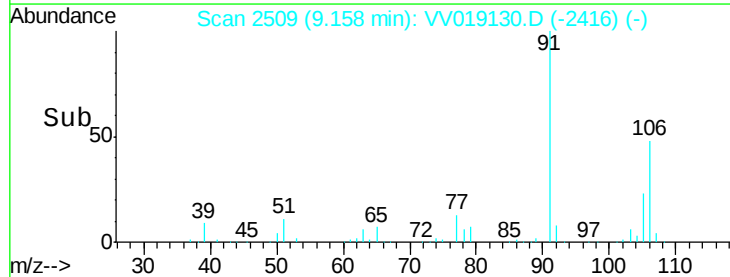
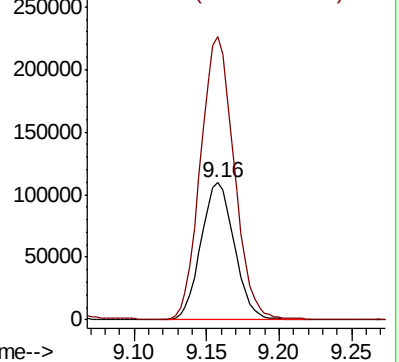
Ion Ratio Lower Upper

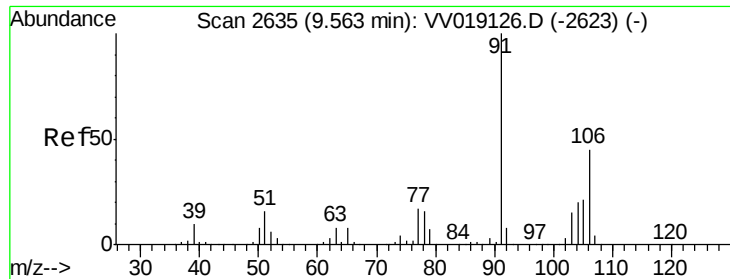
106 100

91 206.5 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019130.D (-2416) (-)

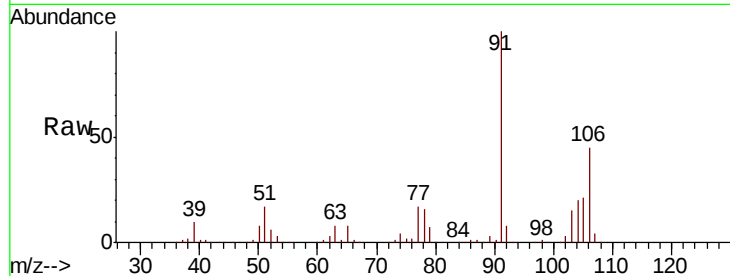




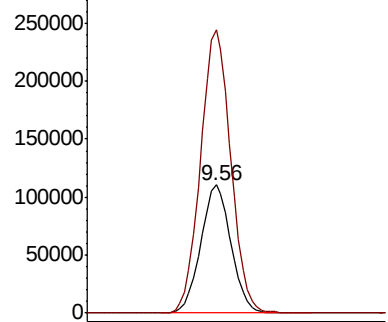
#54
o-xylene
Concen: 49.499 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

Instrument :
MSVOA_V
ClientSampled :

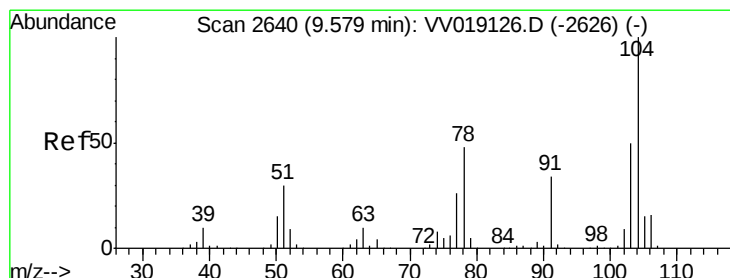
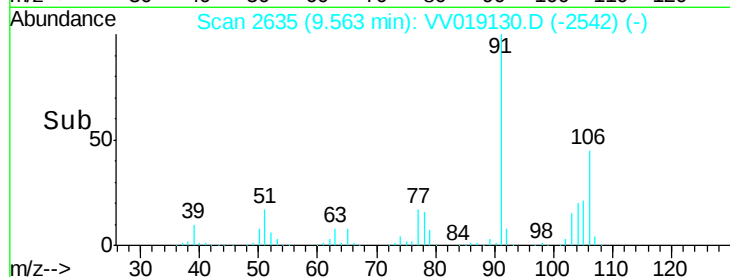
Tot Ion:106 Resp: 165944
Ion Ratio Lower Upper
106 100
91 220.8 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

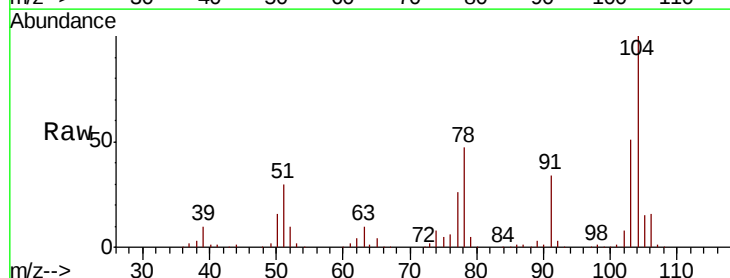


Time-->

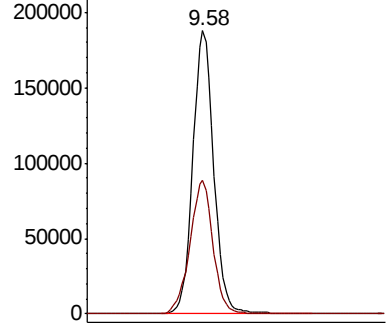


#55
Styrene
Concen: 50.452 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019130.D
Acq: 27 Oct 2020 14:14

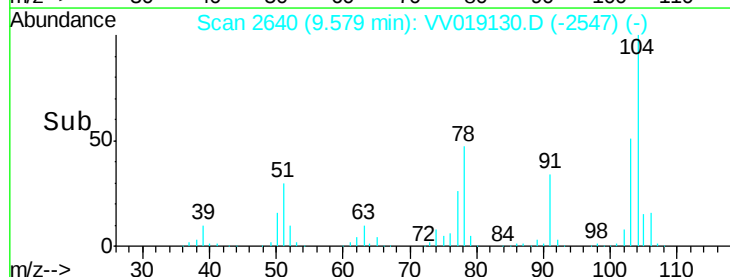
Tgt Ion:104 Resp: 300028
Ion Ratio Lower Upper
104 100
78 47.0 33.2 61.7

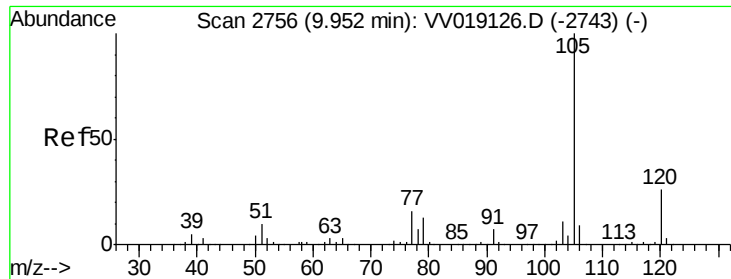


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 50.541 ug/L

RT: 9.95 min Scan# 2756

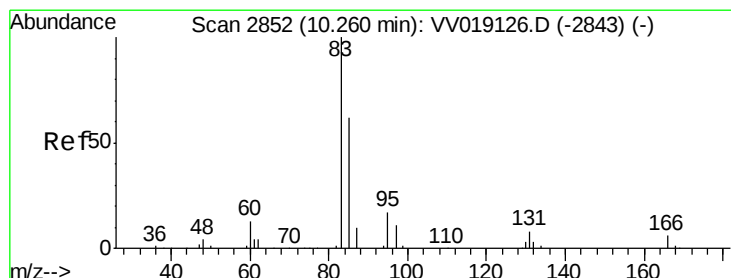
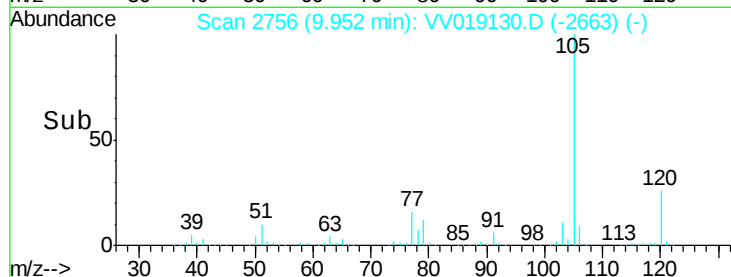
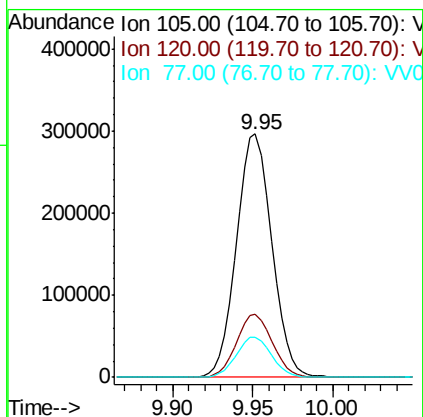
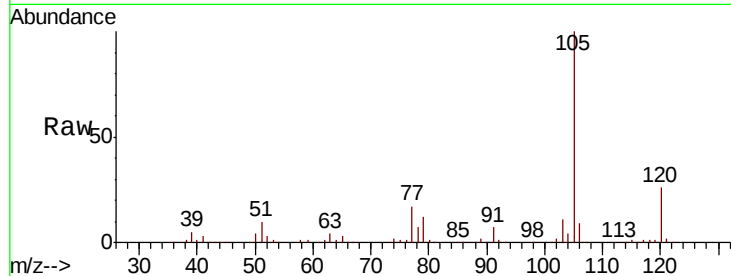
Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	445519
Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.6	31.0
77	16.6	13.4	20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 41.892 ug/L

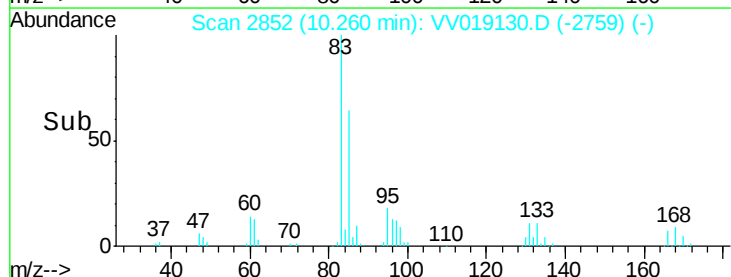
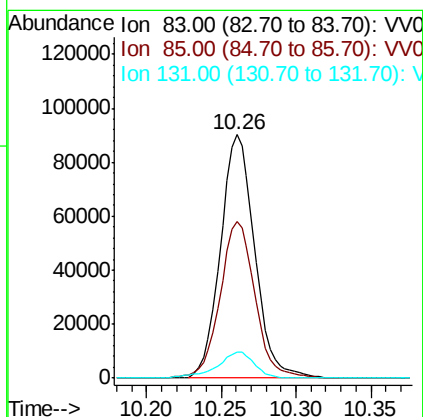
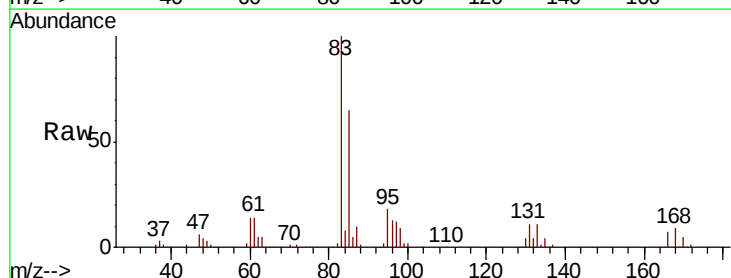
RT: 10.26 min Scan# 2852

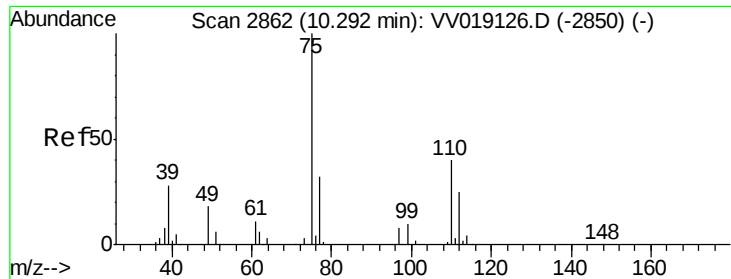
Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Tgt Ion:	83	Resp:	143623
Ion	Ratio	Lower	Upper
83	100		
85	64.5	44.2	82.2
131	10.6	7.4	11.2

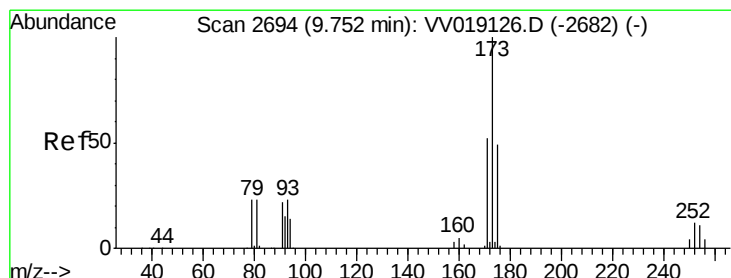
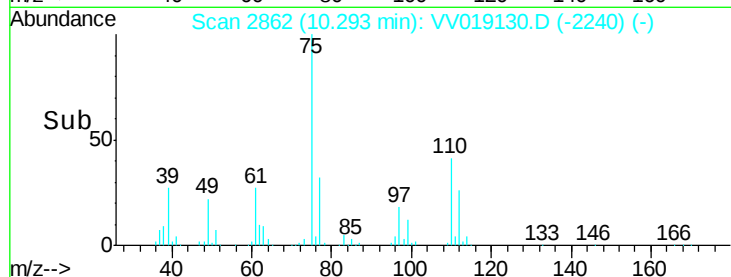
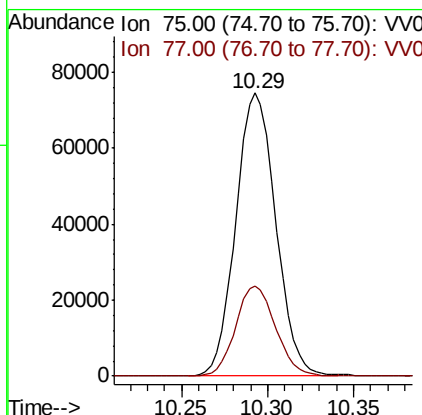
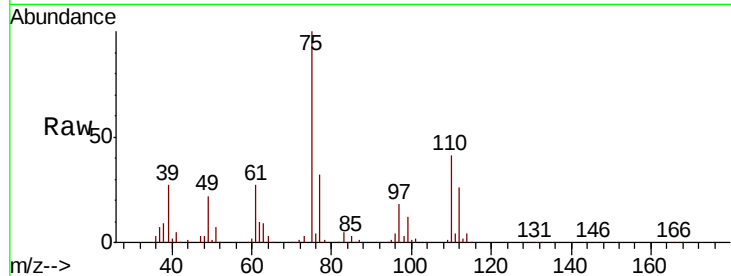




#59
 1,2,3-Trichloropropane
 Concen: 43.568 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

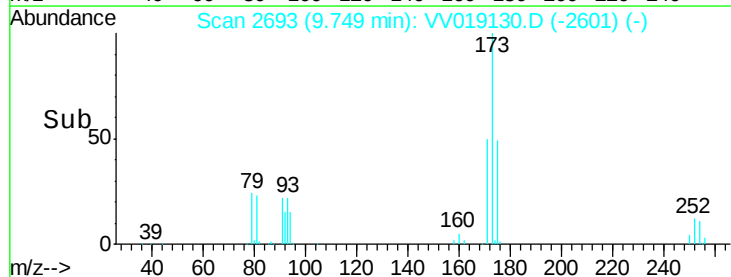
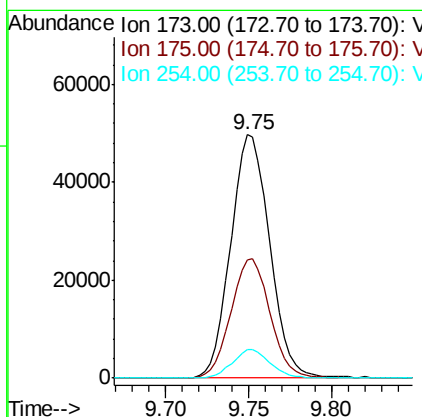
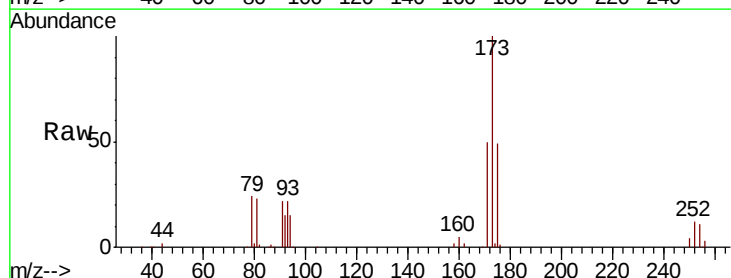
Instrument :
 MSVOA_V
 ClientSampled :

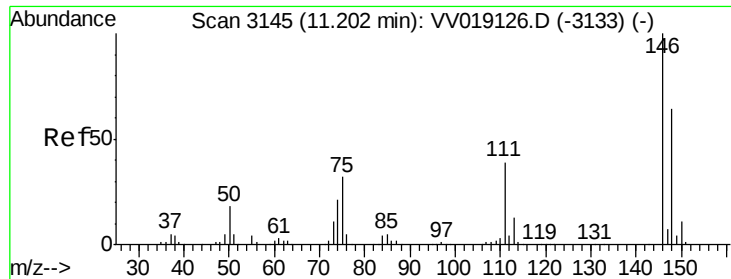
Tot Ion: 75 Resp: 120178
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.9 38.9



#61
 Bromoform
 Concen: 47.068 ug/L
 RT: 9.75 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Tgt Ion: 173 Resp: 81523
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.3 57.5
 254 11.2 8.3 12.5

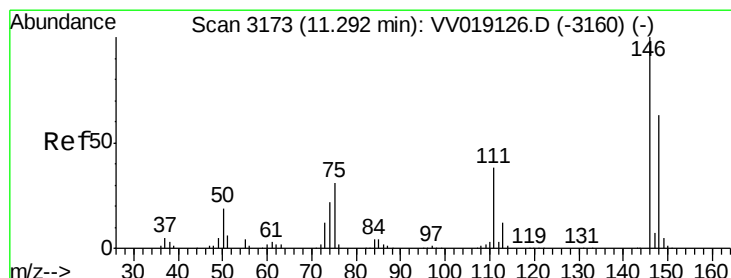
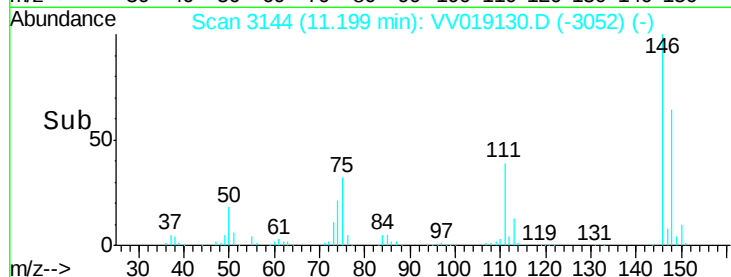
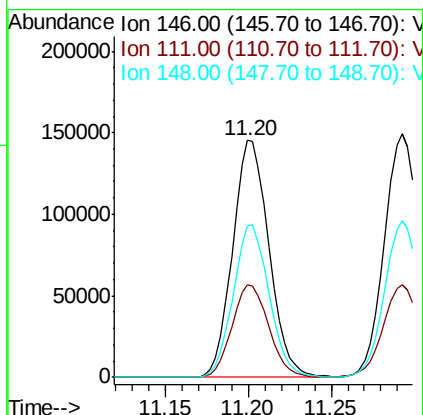
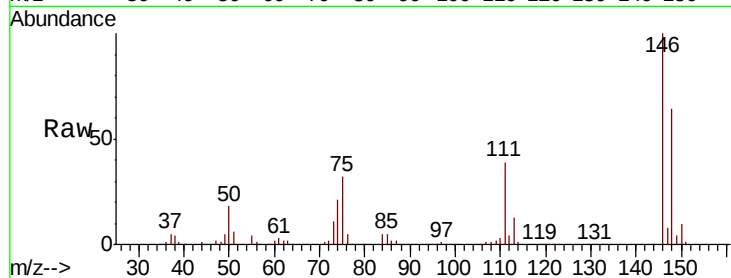




#62
 1,3-Dichlorobenzene
 Concen: 48.053 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

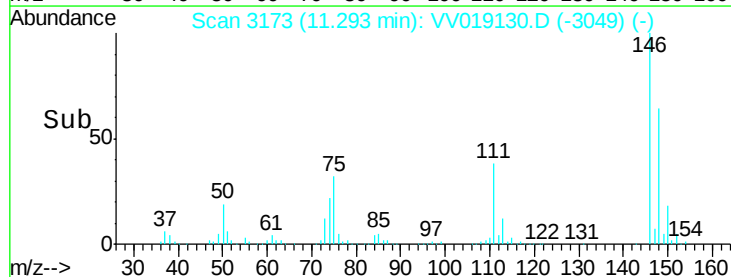
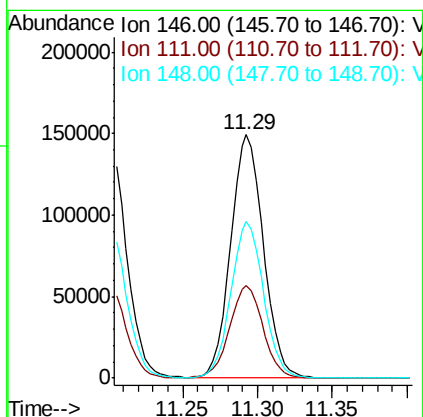
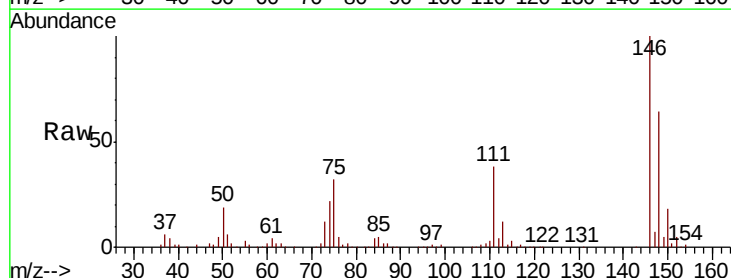
Instrument :
 MSVOA_V
 ClientSampleId :

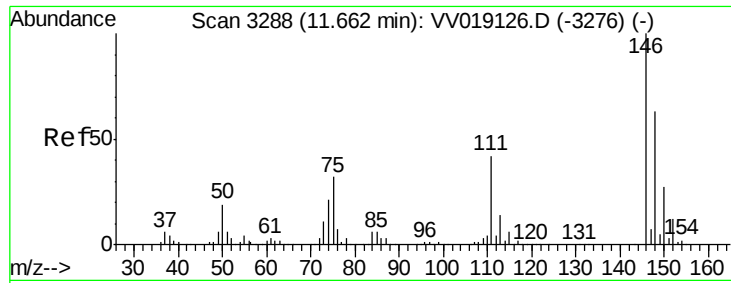
Tot Ion:146 Resp: 221784
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.8 53.4
 148 64.0 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 47.153 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Tgt Ion:146 Resp: 227411
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.8 51.6
 148 64.1 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 46.886 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Instrument :

MSVOA_V

ClientSampleId :

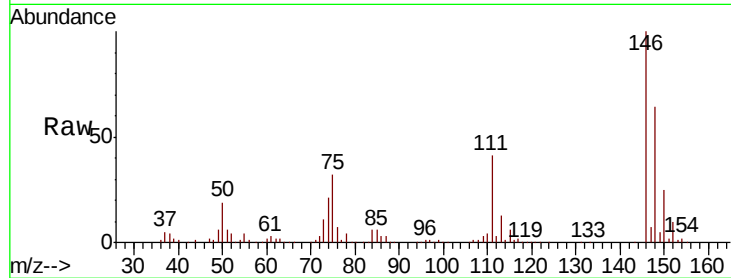
Tot Ion:146 Resp: 218184

Ion Ratio Lower Upper

146 100

111 41.0 33.3 49.9

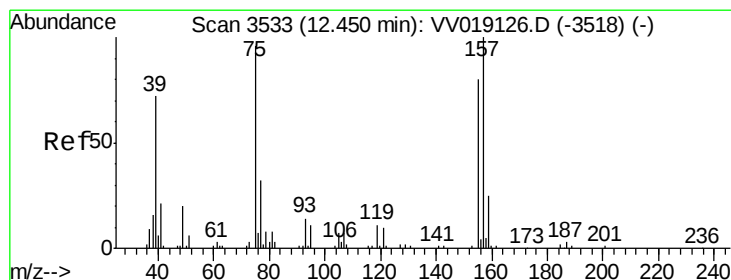
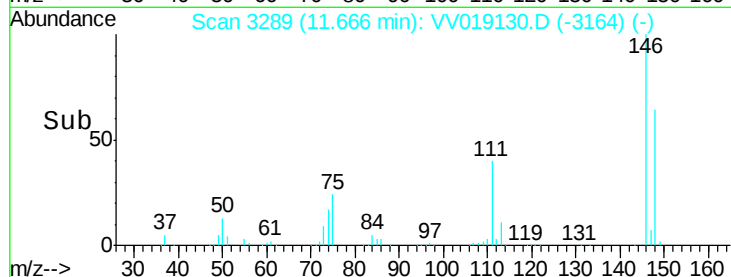
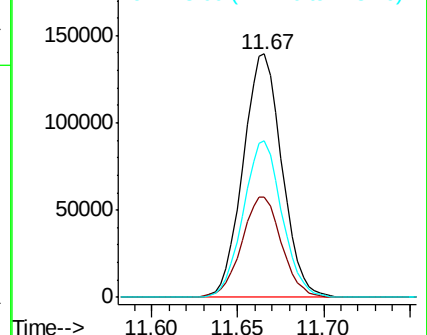
148 64.2 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): 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: 43.387 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

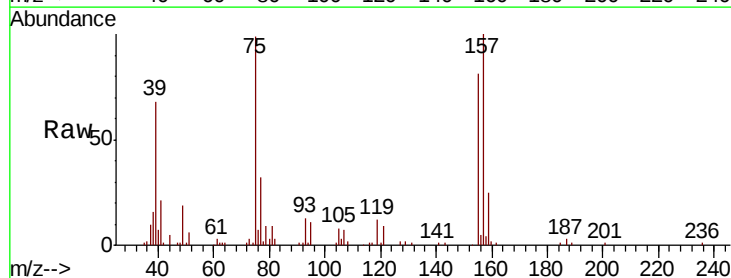
Tgt Ion: 75 Resp: 35671

Ion Ratio Lower Upper

75 100

155 81.8 62.2 93.4

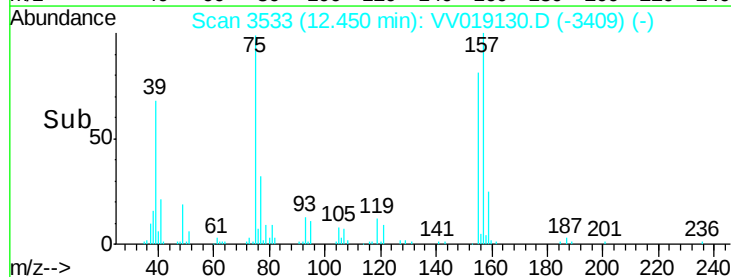
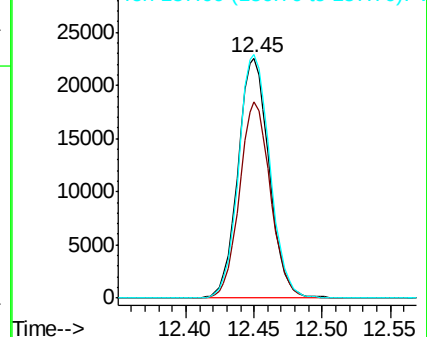
157 101.4 79.9 119.9

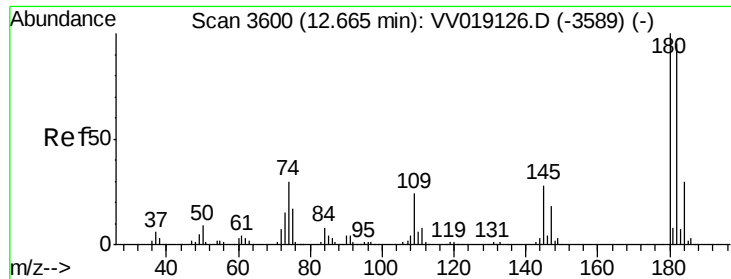


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

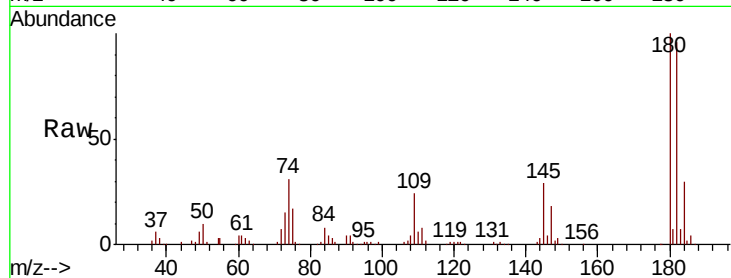




#67
 1,3,5-Trichlorobenzene
 Concen: 49.280 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.0
184	30.7	24.7	37.1
145	28.6	23.5	35.3



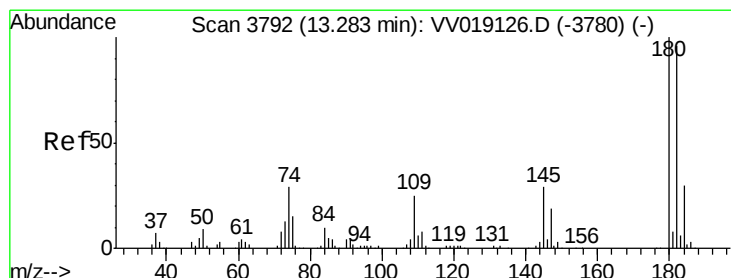
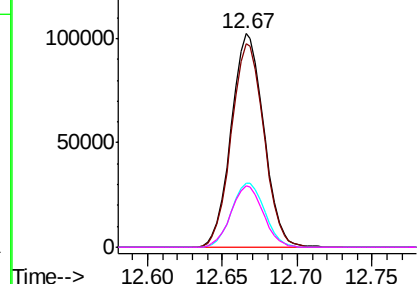
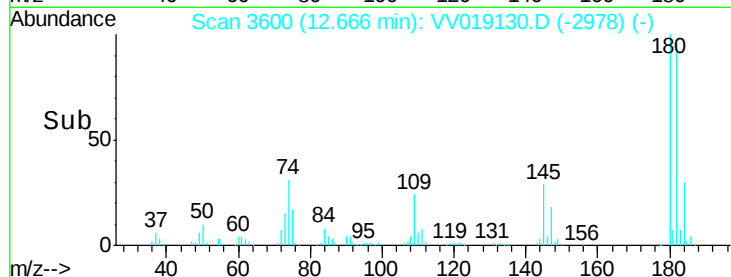
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

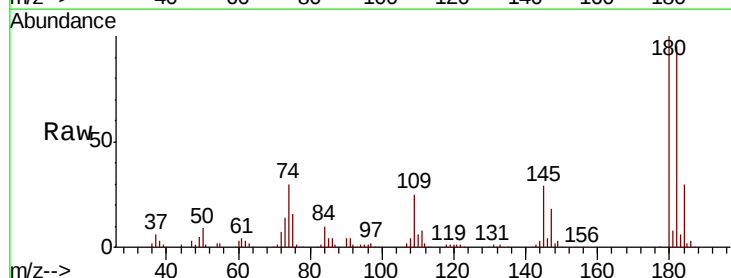
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.313 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019130.D
 Acq: 27 Oct 2020 14:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.4	116.2
145	29.0	23.7	35.5

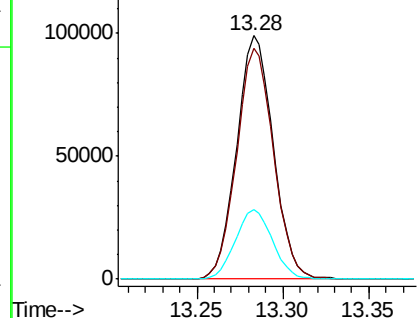
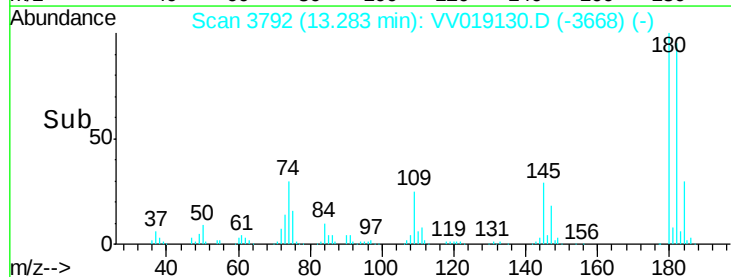


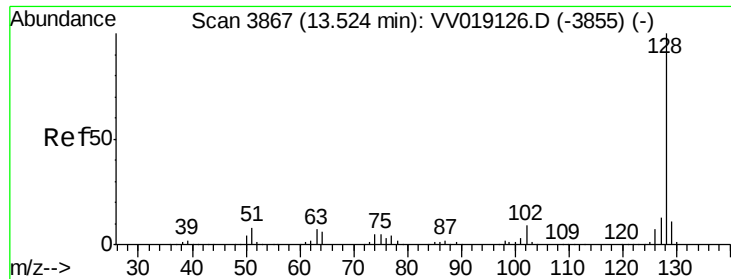
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 47.411 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

Instrument :

MSVOA_V

ClientSampleId :

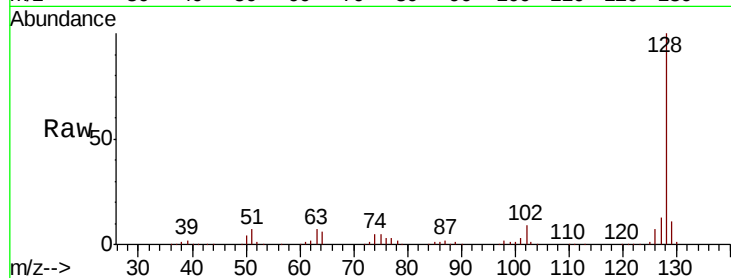
Tot Ion:128 Resp: 434123

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 11.0 8.7 13.1

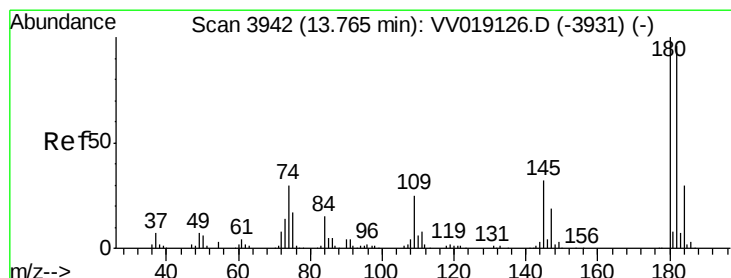
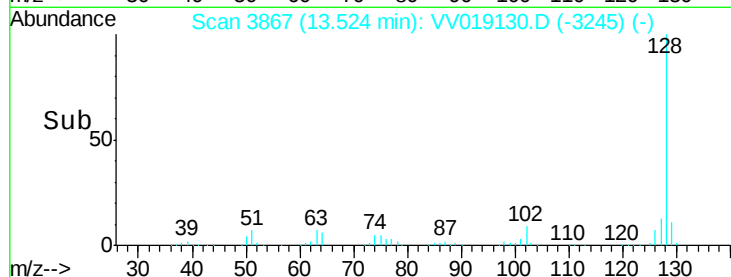
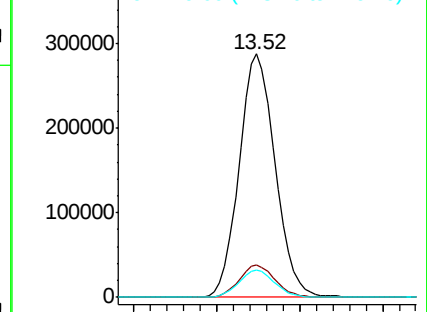


Abundance

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



#70

1,2,3-Trichlorobenzene

Concen: 48.426 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019130.D

Acq: 27 Oct 2020 14:14

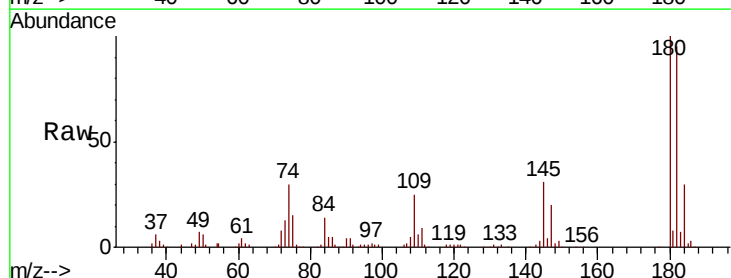
Tgt Ion:180 Resp: 145815

Ion Ratio Lower Upper

180 100

182 95.2 76.9 115.3

145 31.8 25.6 38.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

