

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112520\
 Data File : VV019441.D
 Acq On : 25 Nov 2020 14:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 00:25:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 00:24:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	388882	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	393314	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	217346	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	165448	42.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.20%
7) Chloroethane-d5	1.57	69	141273	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.38%
11) 1,1-Dichloroethene-d2	2.12	63	324893	46.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.98%
21) 2-Butanone-d5	3.89	46	241003	101.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.81%
24) Chloroform-d	4.37	84	300569	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
26) 1,2-Dichloroethane-d4	5.05	65	197480	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
32) Benzene-d6	5.07	84	556785	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
36) 1,2-Dichloropropane-d6	6.09	67	189115	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.76%
41) Toluene-d8	7.33	98	501013	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%
43) trans-1,3-Dichloropropene-	7.64	79	93396	49.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.94%
47) 2-Hexanone-d5	8.10	63	158551	104.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.01%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	245080	48.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.88%
64) 1,2-Dichlorobenzene-d4	11.64	152	196938	46.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	156357	49.744	ug/L 100
3) Chloromethane	1.25	50	211990	50.150	ug/L 100
5) Vinyl chloride	1.32	62	207076	51.270	ug/L 100
6) Bromomethane	1.53	94	143246	54.401	ug/L 100
8) Chloroethane	1.59	64	133860	52.075	ug/L 100
9) Trichlorofluoromethane	1.76	101	265854	52.424	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	146246	53.627	ug/L 98
12) 1,1-Dichloroethene	2.13	96	146786	51.700	ug/L 97
13) Acetone	2.18	43	175422	96.916	ug/L 96
14) Carbon disulfide	2.31	76	430503	52.240	ug/L 100
15) Methyl Acetate	2.44	43	190819	52.067	ug/L 99
16) Methylene chloride	2.52	84	167913	51.059	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	147757	52.618	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	473363	53.012	ug/L 99
19) 1,1-Dichloroethane	3.21	63	305563	53.049	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	157899	51.168	ug/L 97
22) 2-Butanone	3.98	43	250180	104.220	ug/L 98

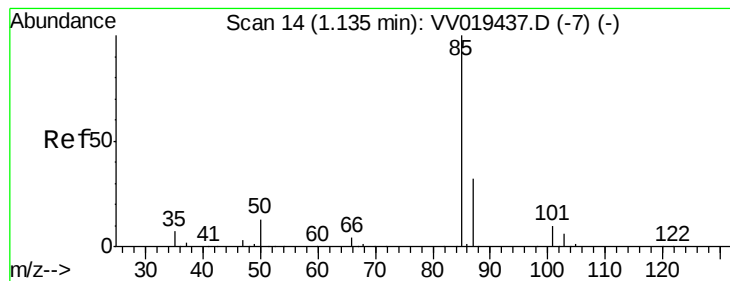
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112520\
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 00:24:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	82252	50.328	ug/L	95
25) Chloroform	4.40	83	302991	52.037	ug/L	99
27) 1,2-Dichloroethane	5.15	62	248032	54.290	ug/L	98
29) Cyclohexane	4.70	56	232447	56.457	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	255974	53.879	ug/L	99
31) Carbon tetrachloride	4.85	117	219909	53.918	ug/L	100
33) Benzene	5.12	78	640354	54.403	ug/L	100
34) Trichloroethene	5.93	95	171816	52.344	ug/L	97
35) Methylcyclohexane	6.15	83	217468	56.302	ug/L	99
37) 1,2-Dichloropropane	6.19	63	178881	55.098	ug/L	98
38) Bromodichloromethane	6.53	83	227616	52.881	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	258209	53.843	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	501638	109.577	ug/L	99
42) Toluene	7.41	91	671668	55.009	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	262068	54.863	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	160047	52.645	ug/L	99
46) Tetrachloroethene	7.99	164	118557	52.006	ug/L	97
48) 2-Hexanone	8.15	43	397308	109.577	ug/L	99
49) Dibromochloromethane	8.26	129	172239	51.262	ug/L	98
50) 1,2-Dibromoethane	8.37	107	167000	51.761	ug/L	100
51) Chlorobenzene	8.90	112	415518	51.584	ug/L	99
52) Ethylbenzene	9.03	91	716897	54.711	ug/L	98
53) m,p-Xylene	9.15	106	265135	54.686	ug/L	98
54) o-xylene	9.56	106	257234	54.491	ug/L	100
55) Styrene	9.58	104	472221	55.880	ug/L	100
56) Isopropylbenzene	9.95	105	673879	54.486	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	239313	51.500	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	216934	50.868	ug/L	99
61) Bromoform	9.75	173	126874	51.060	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	331279	52.392	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	340236	51.195	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	335365	51.661	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	57521	51.206	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	243960	53.003	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	218060	53.511	ug/L	100
69) Naphthalene	13.52	128	570294	55.036	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	230330	54.075	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.744 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

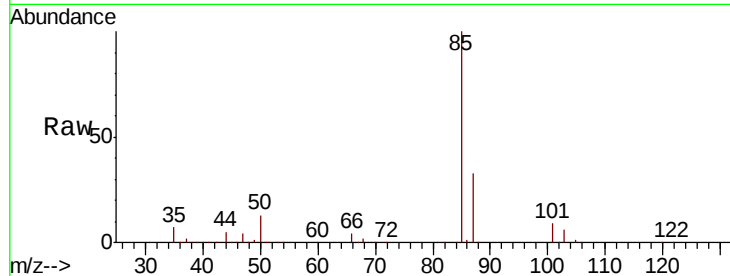
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 156357

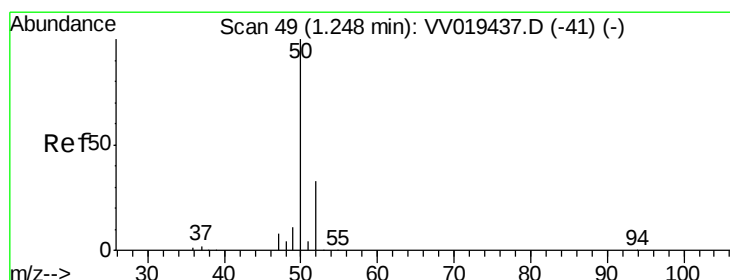
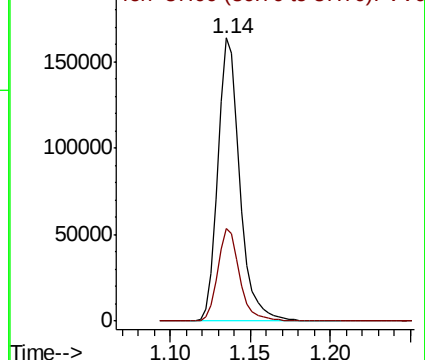
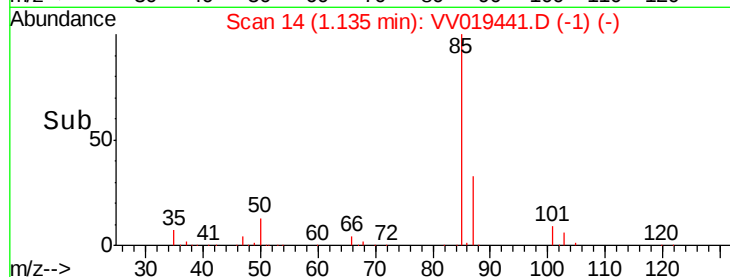
Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV019441.D (-1) (-)



#3

Chloromethane

Concen: 50.150 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019441.D

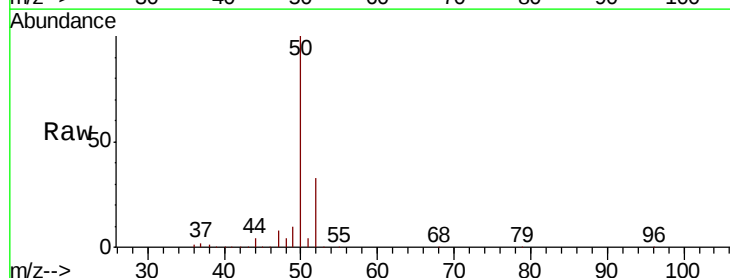
Acq: 25 Nov 2020 14:31

Tgt Ion: 50 Resp: 211990

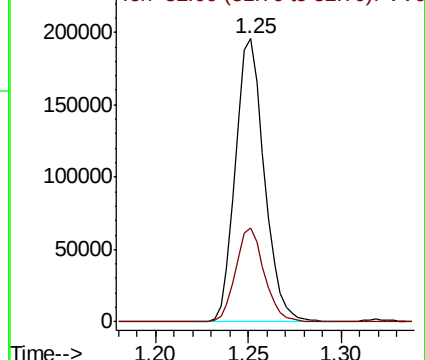
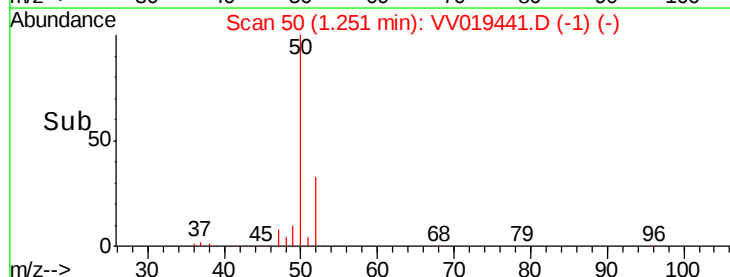
Ion Ratio Lower Upper

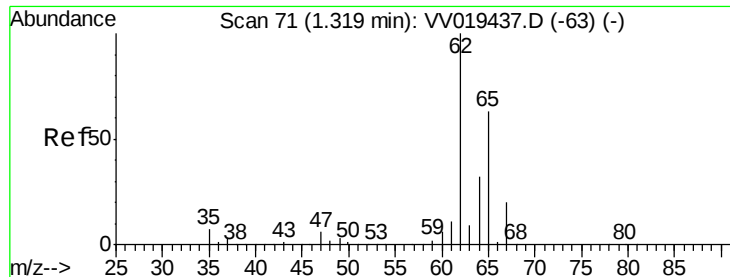
50 100

52 33.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV019441.D (-1) (-)





#5

Vinyl chloride

Concen: 51.270 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

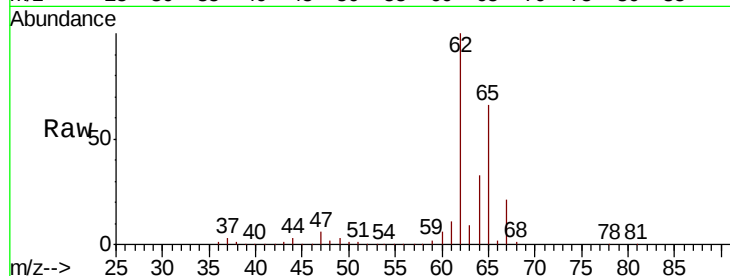
ClientSampleId :

Tot Ion: 62 Resp: 207076

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

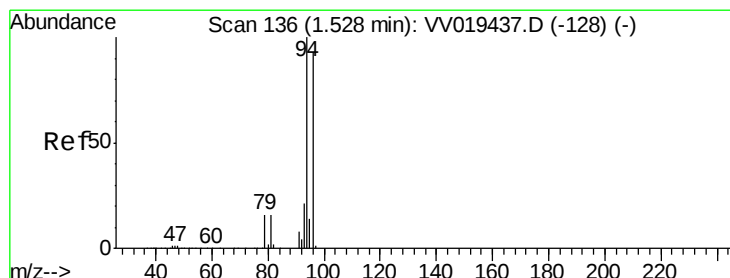
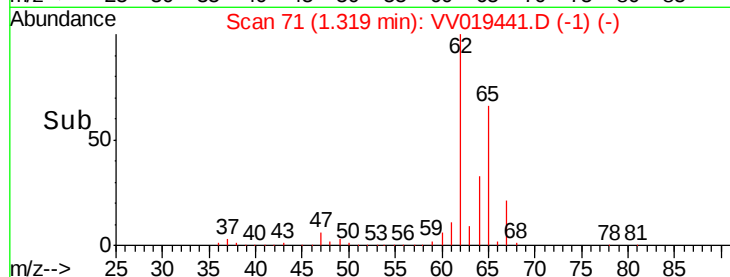
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 54.401 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV019441.D

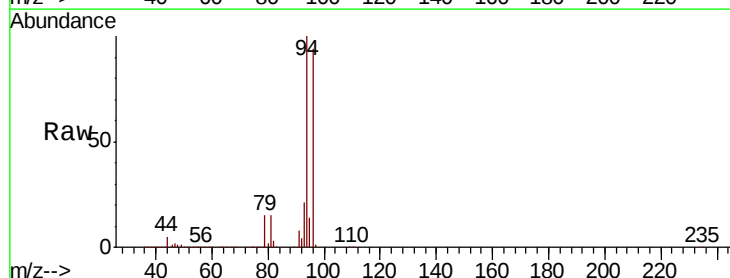
Acq: 25 Nov 2020 14:31

Tgt Ion: 94 Resp: 143246

Ion Ratio Lower Upper

94 100

96 93.6 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

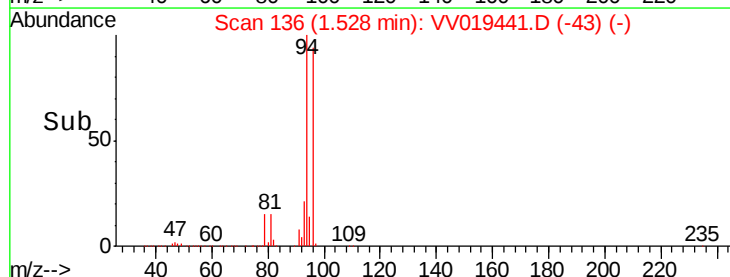
150000

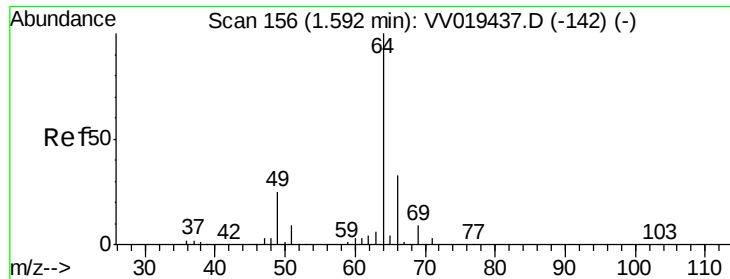
100000

50000

0

Time-->





#8

Chloroethane

Concen: 52.075 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

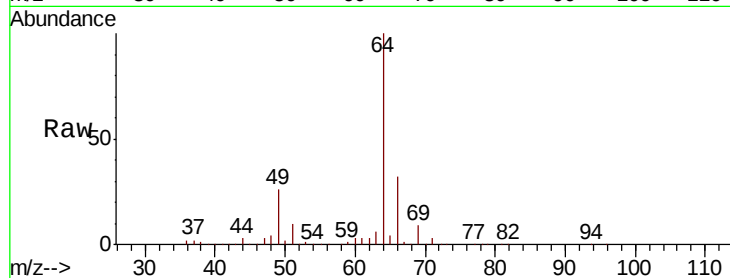
ClientSampleId :

Tot Ion: 64 Resp: 133860

Ion Ratio Lower Upper

64 100

66 32.3 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV019437.D (-142) (-)

Ion 66.00 (65.70 to 66.70): VV019437.D (-142) (-)

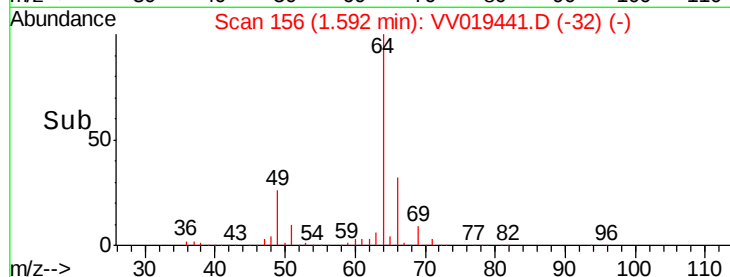
1.59

100000

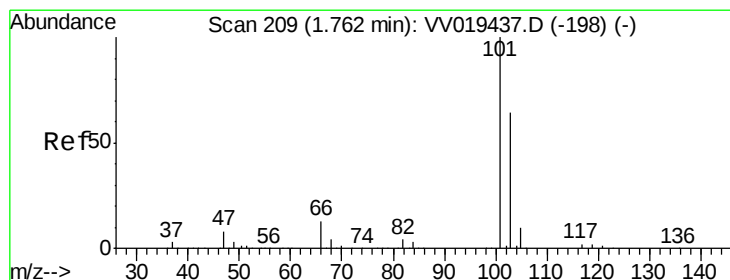
50000

0

Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 52.424 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019441.D

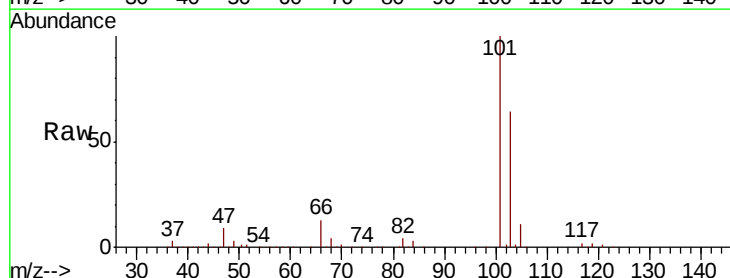
Acq: 25 Nov 2020 14:31

Tgt Ion:101 Resp: 265854

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV019437.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV019437.D (-198) (-)

1.76

200000

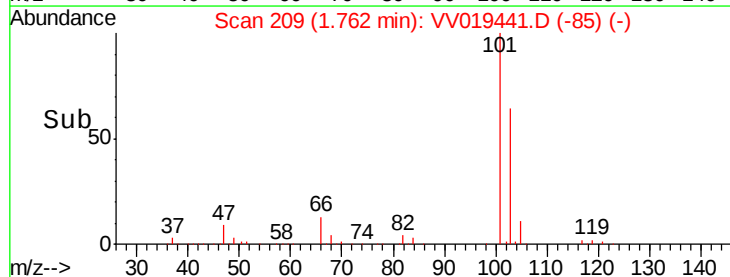
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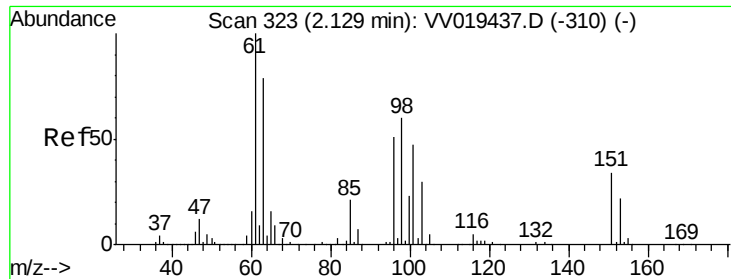
50000

0

Time-->



Time-->



#10

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

Concen: 53.627 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

ClientSampled :

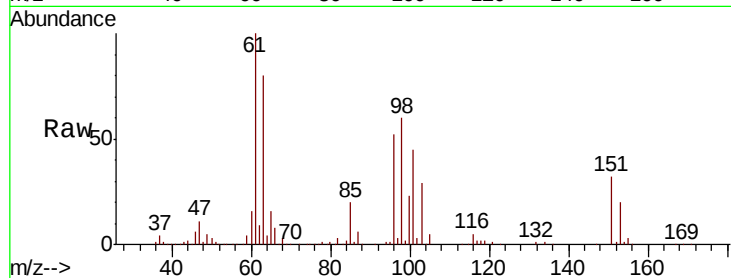
Tot Ion:101 Resp: 146246

Ion Ratio Lower Upper

101 100

85 44.5 35.5 53.3

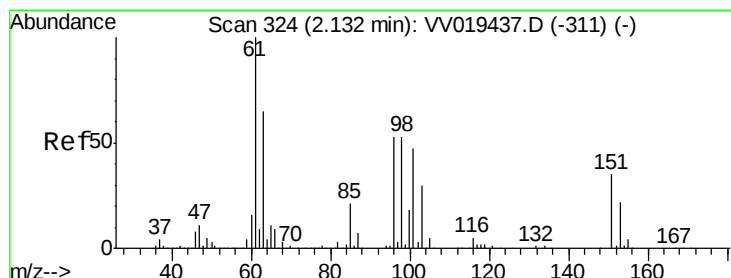
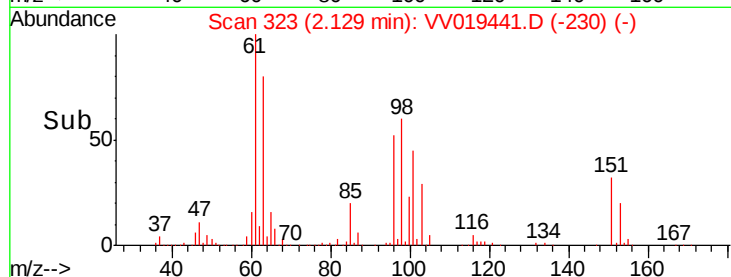
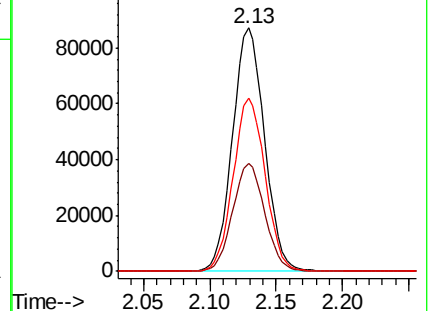
151 71.2 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV019441.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019441.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019441.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 51.700 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

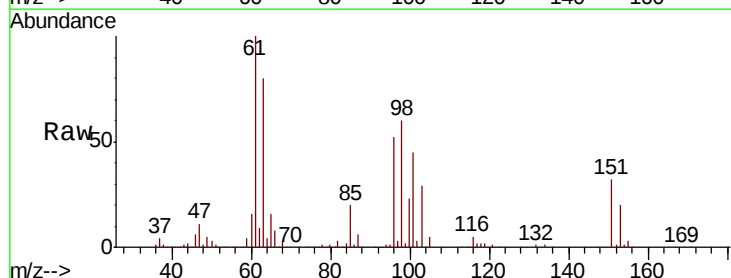
Tgt Ion: 96 Resp: 146786

Ion Ratio Lower Upper

96 100

61 190.6 130.0 241.4

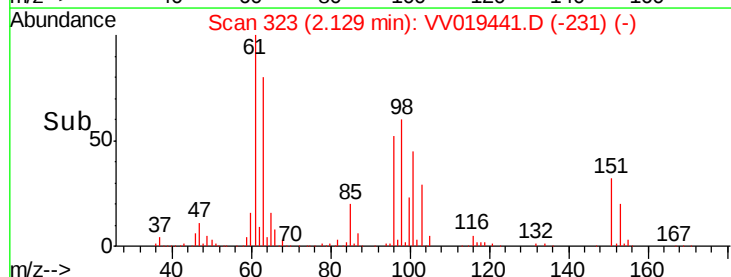
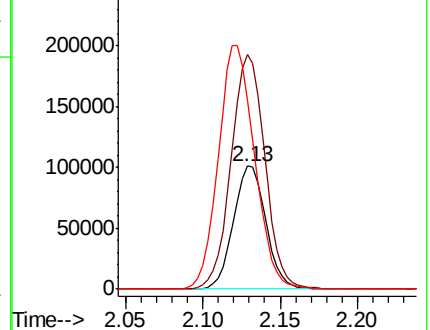
63 153.4 105.1 195.3

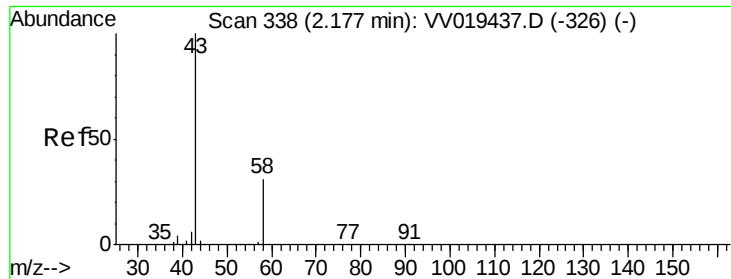


Abundance Ion 96.00 (95.70 to 96.70): VV019441.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019441.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019441.D (-231) (-)





#13

Acetone

Concen: 96.916 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

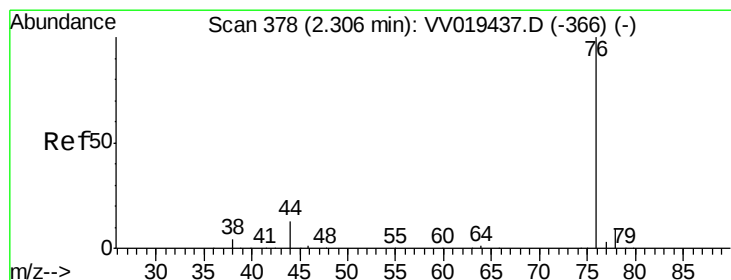
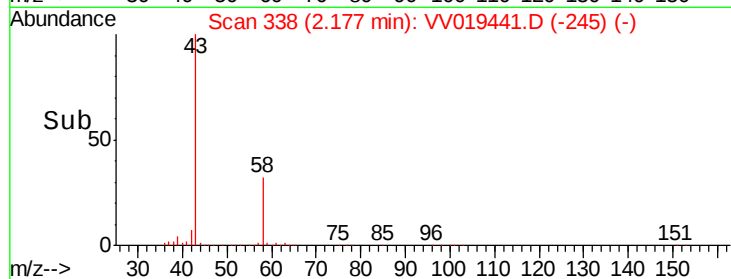
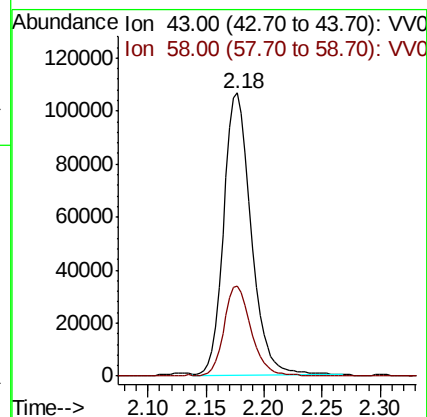
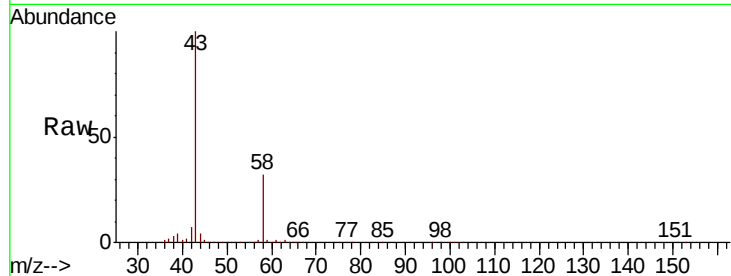
ClientSampleId :

Tot Ion: 43 Resp: 175422

Ion Ratio Lower Upper

43 100

58 31.1 0.0 66.4



#14

Carbon disulfide

Concen: 52.240 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV019441.D

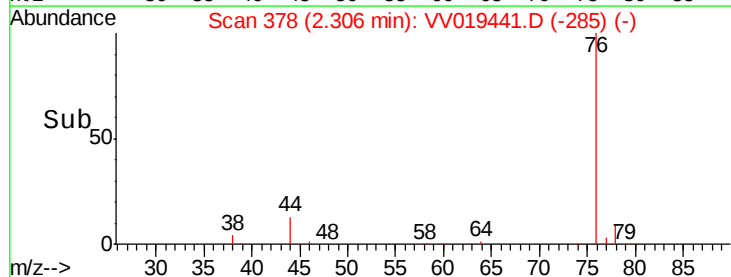
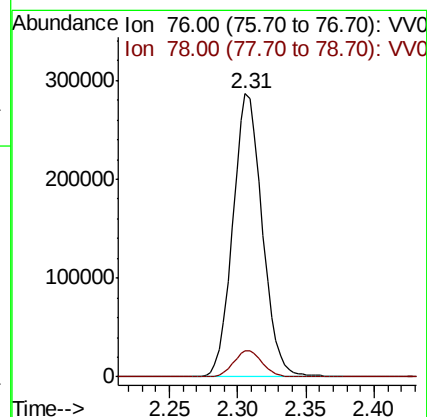
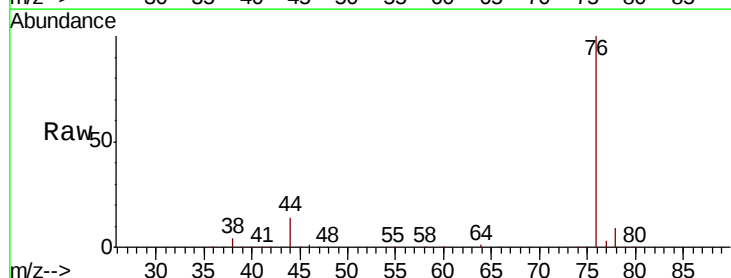
Acq: 25 Nov 2020 14:31

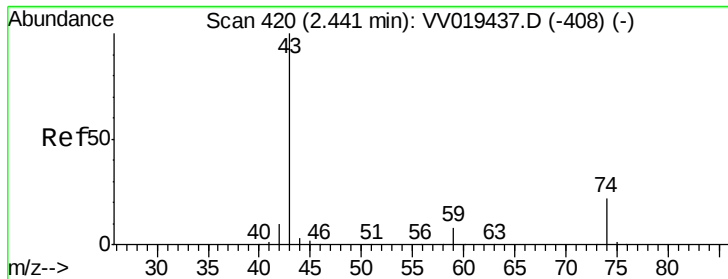
Tgt Ion: 76 Resp: 430503

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methvl Acetate

Concen: 52.067 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

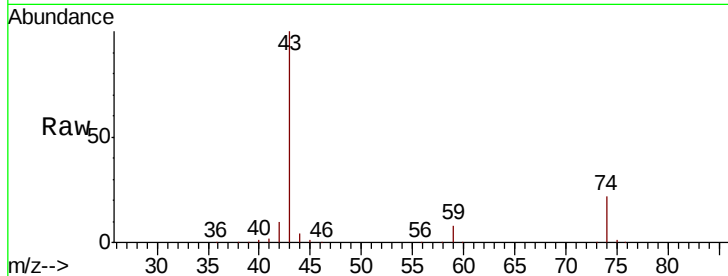
ClientSampled :

Tot Ion: 43 Resp: 190819

Ion Ratio Lower Upper

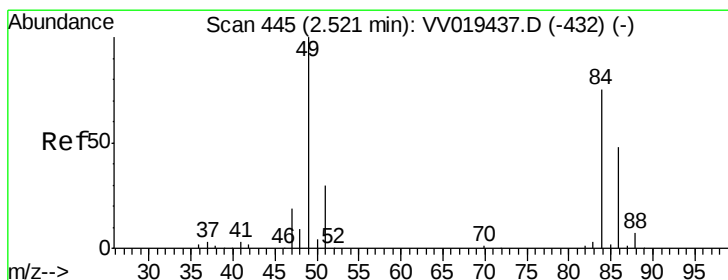
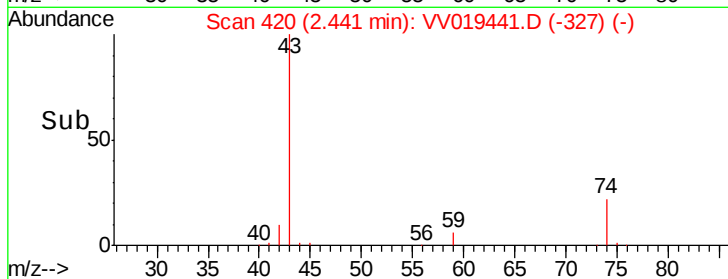
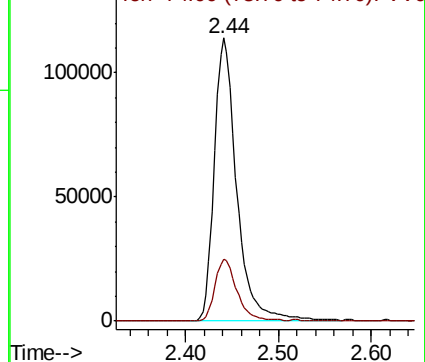
43 100

74 21.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 51.059 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

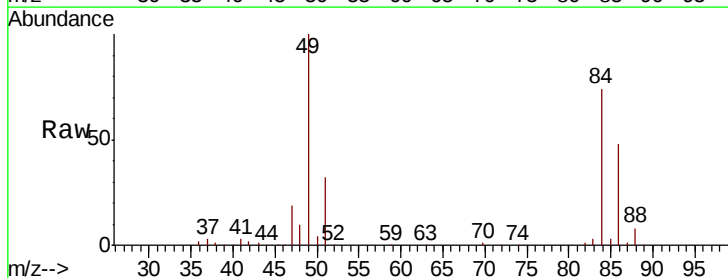
Tgt Ion: 84 Resp: 167913

Ion Ratio Lower Upper

84 100

86 65.3 45.8 85.2

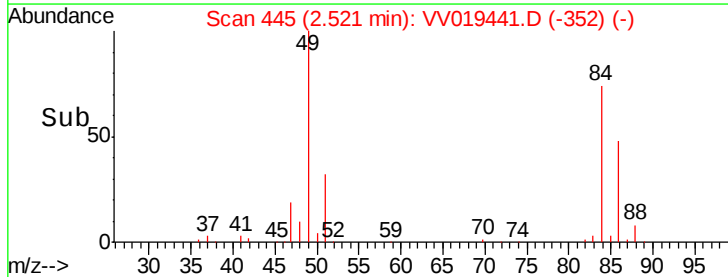
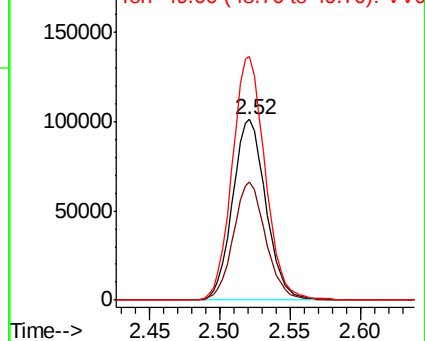
49 134.6 92.0 170.9

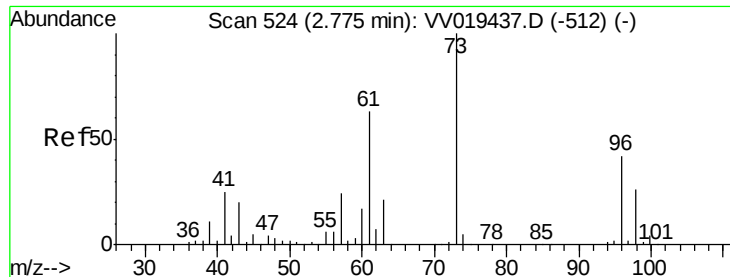


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

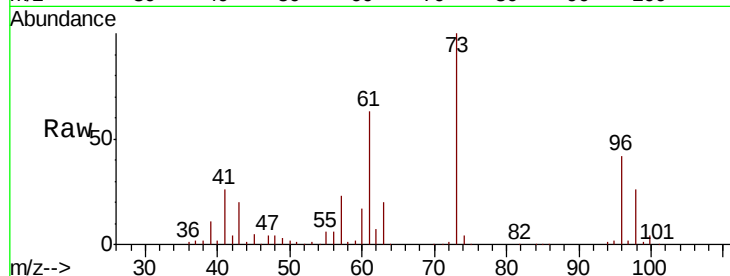




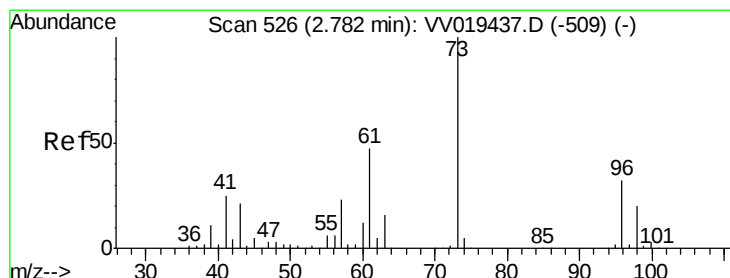
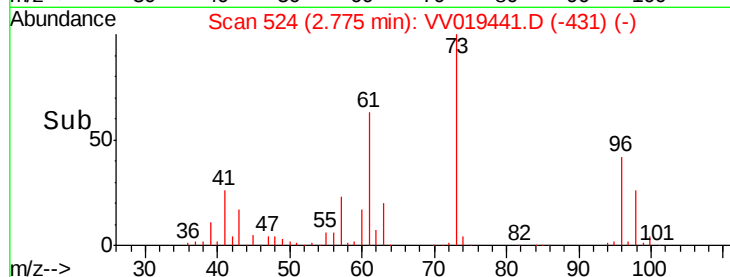
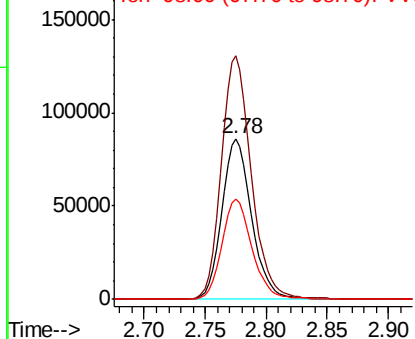
#17
trans-1,2-Dichloroethene
Concen: 52.618 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 147757
Ion Ratio Lower Upper
96 100
61 151.5 103.7 192.5
98 62.4 44.0 81.6

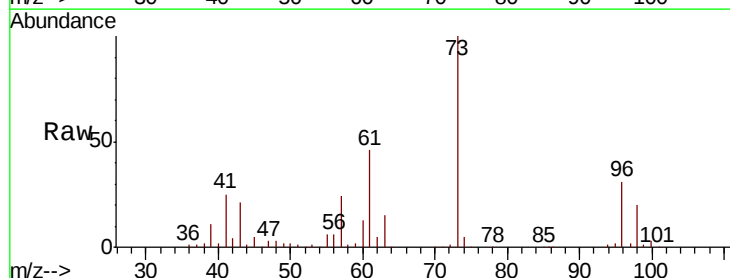


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

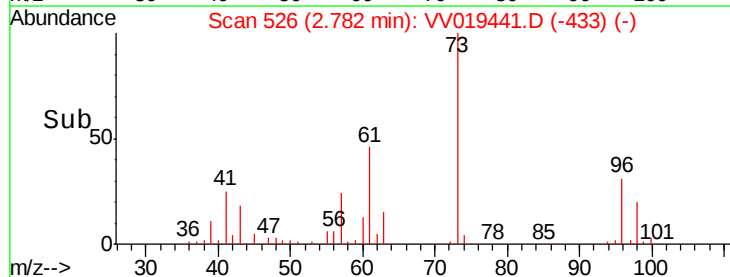
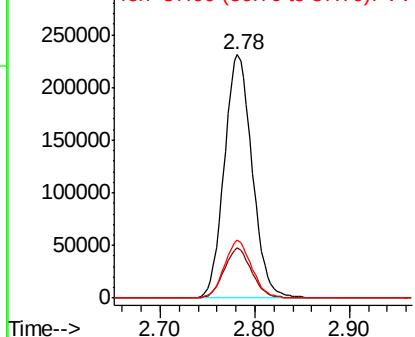


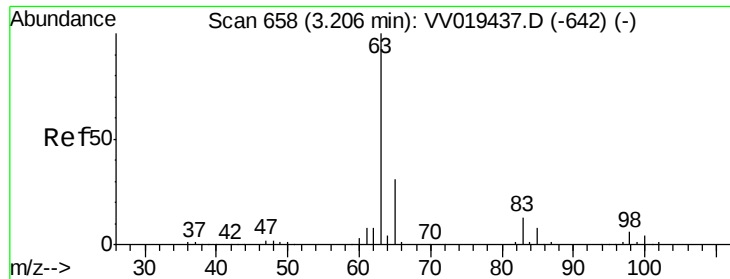
#18
Methyl tert-butyl Ether
Concen: 53.012 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Tgt Ion: 73 Resp: 473363
Ion Ratio Lower Upper
73 100
43 20.2 15.6 23.4
57 23.4 18.3 27.5



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

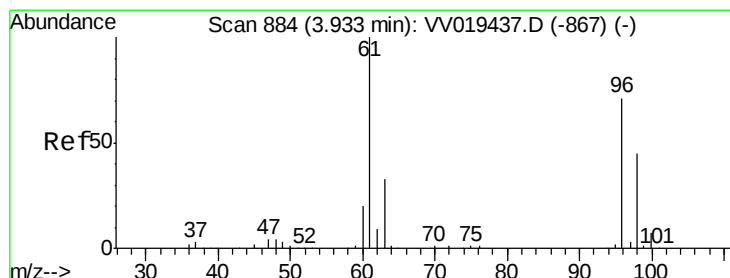
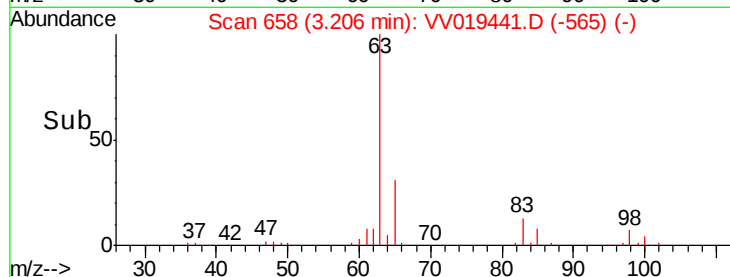
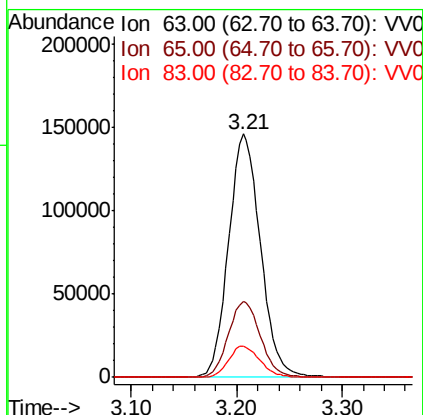
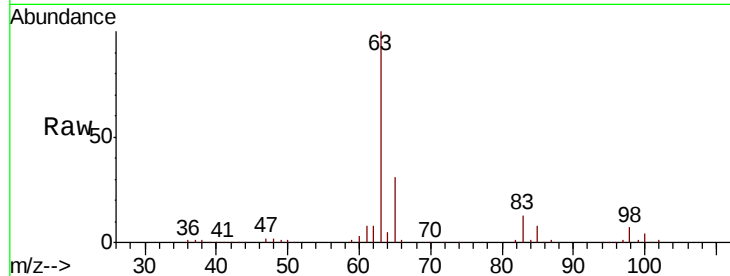




#19
 1,1-Dichloroethane
 Concen: 53.049 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV019441.D
 Acq: 25 Nov 2020 14:31

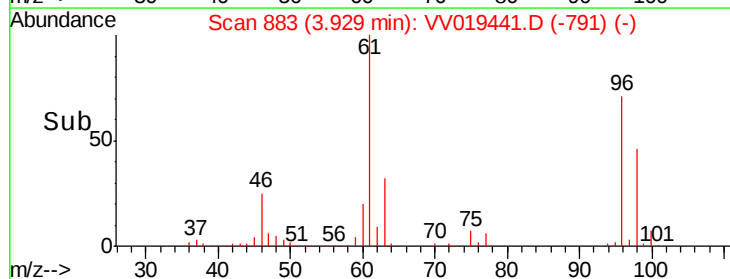
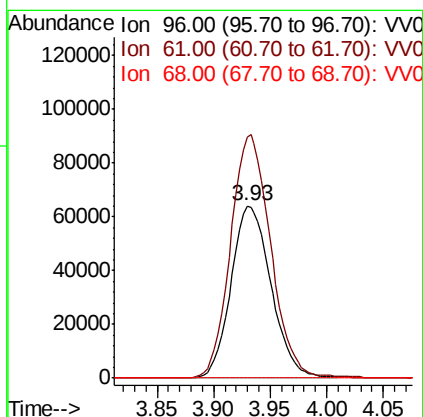
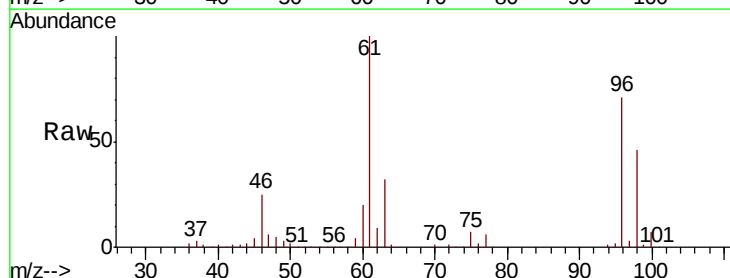
Instrument :
 MSVOA_V
 ClientSampleId :

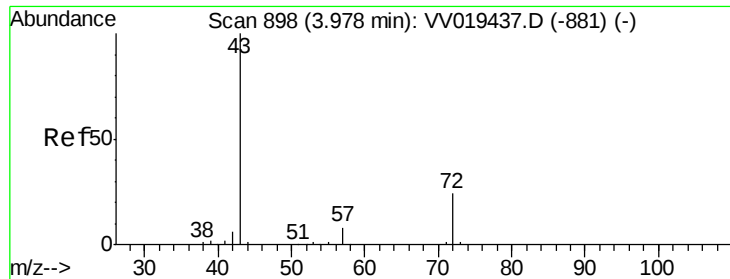
Tot Ion: 63 Resp: 305563
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.8 40.4
 83 12.9 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 51.168 ug/L
 RT: 3.93 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VV019441.D
 Acq: 25 Nov 2020 14:31

Tgt Ion: 96 Resp: 157899
 Ion Ratio Lower Upper
 96 100
 61 140.0 95.5 177.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.220 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

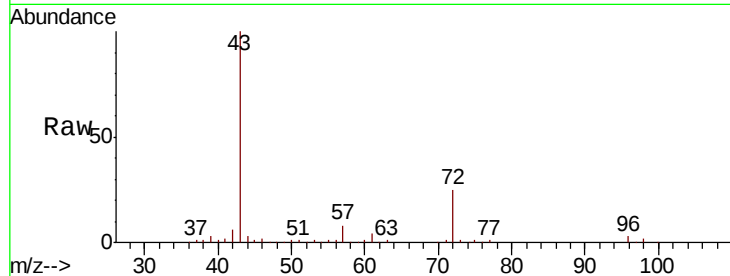
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 250180

Ion Ratio Lower Upper

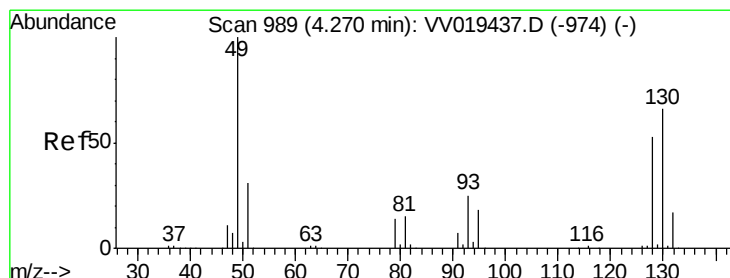
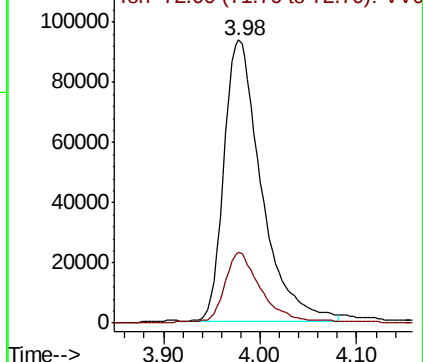
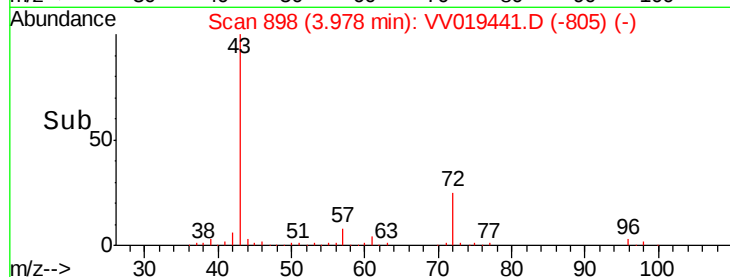
43 100

72 24.3 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV019441.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV019441.D (-805) (-)



#23

Bromochloromethane

Concen: 50.328 ug/L

RT: 4.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Tgt Ion:128 Resp: 82252

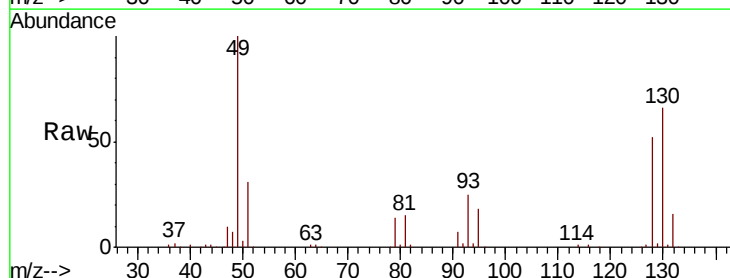
Ion Ratio Lower Upper

128 100

49 190.9 126.1 234.1

130 126.4 89.4 166.0

51 59.9 46.5 69.7

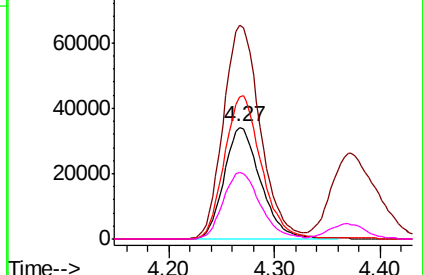
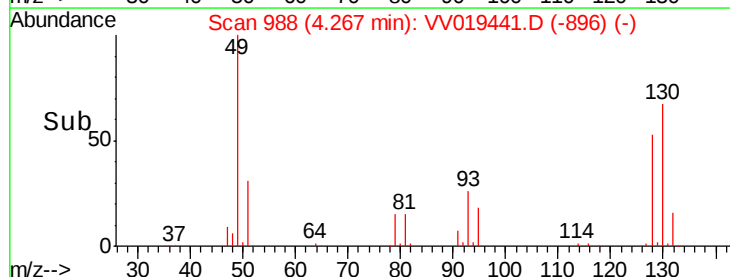


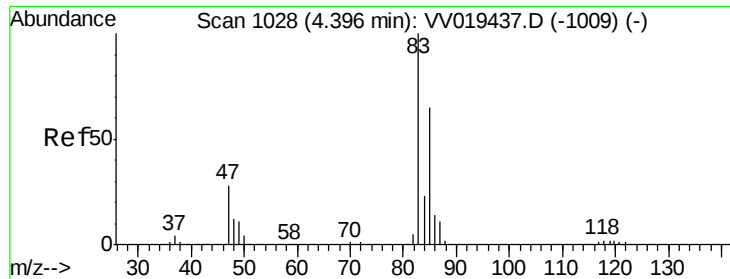
Abundance Ion 128.00 (127.70 to 128.70): VV019441.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV019441.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV019441.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV019441.D (-896) (-)

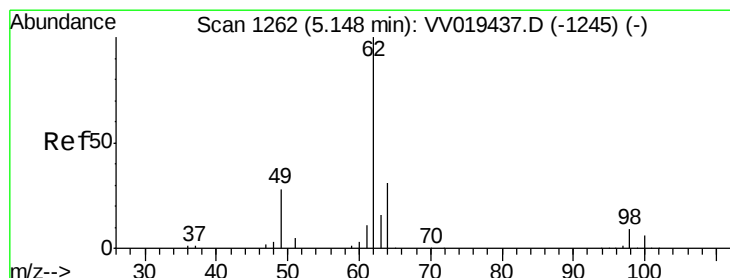
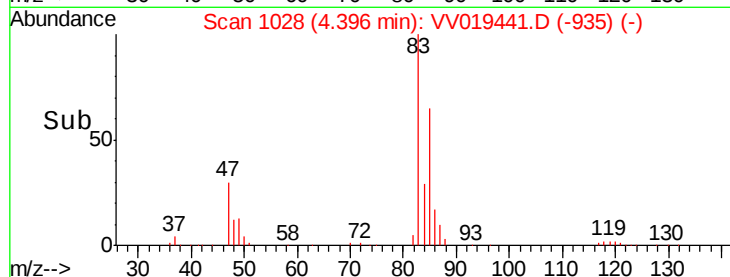
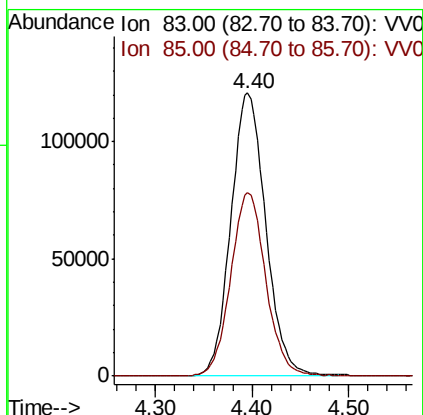
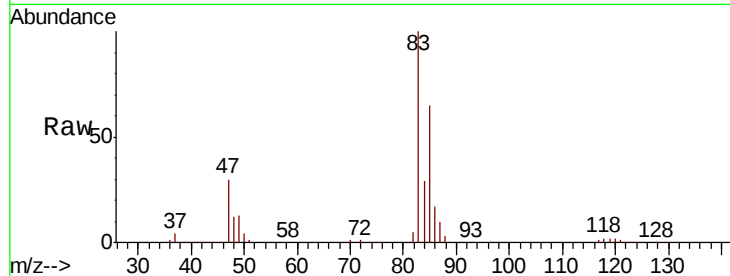




#25
Chloroform
Concen: 52.037 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

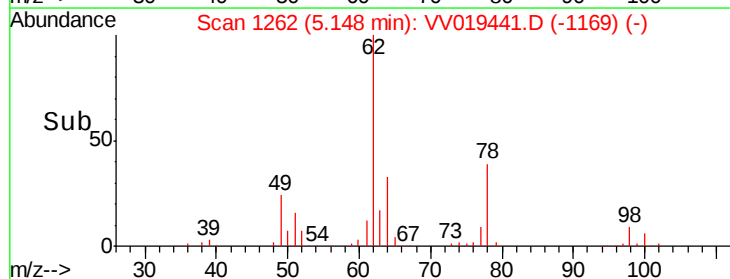
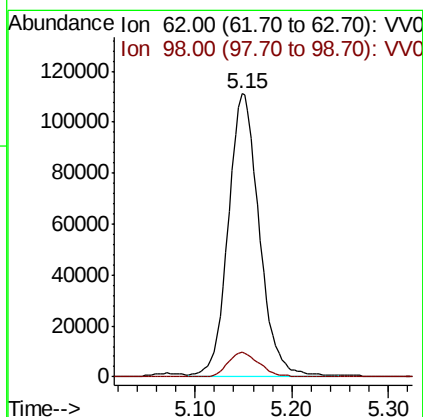
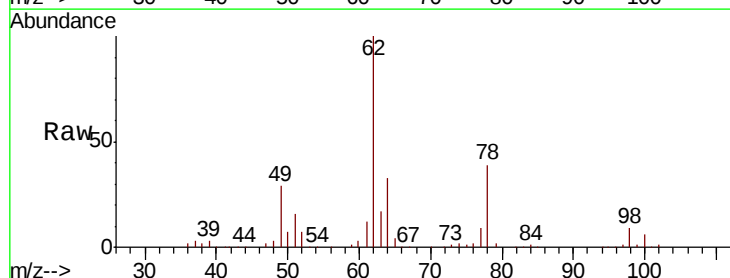
Instrument :
MSVOA_V
ClientSampleId :

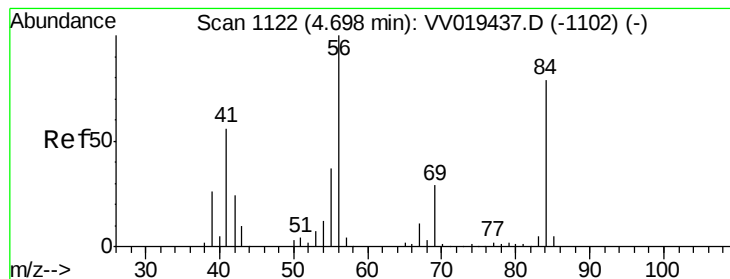
Tot Ion: 83 Resp: 302991
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 54.290 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Tgt Ion: 62 Resp: 248032
Ion Ratio Lower Upper
62 100
98 8.6 7.6 11.4





#29

Cyclohexane

Concen: 56.457 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :
MSVOA_V
ClientSampleId :

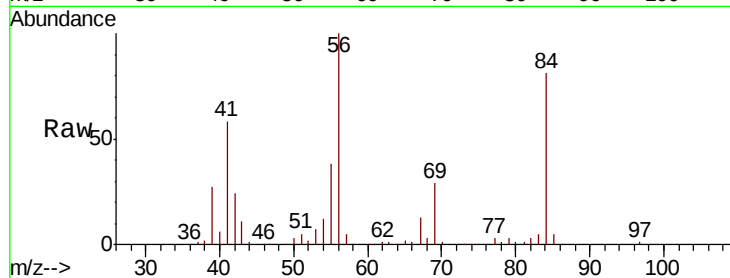
Tot Ion: 56 Resp: 232447

Ion Ratio Lower Upper

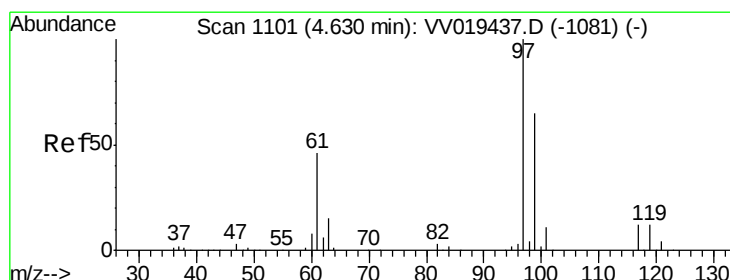
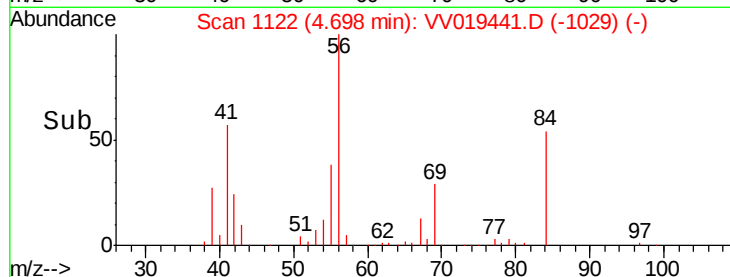
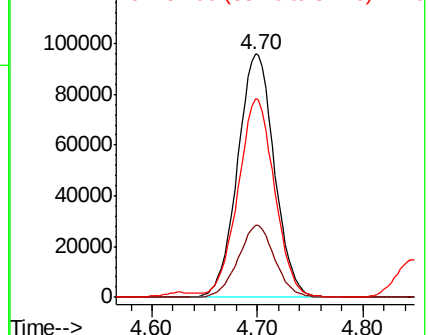
56 100

69 29.5 23.8 35.8

84 81.1 67.0 100.6



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 53.879 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

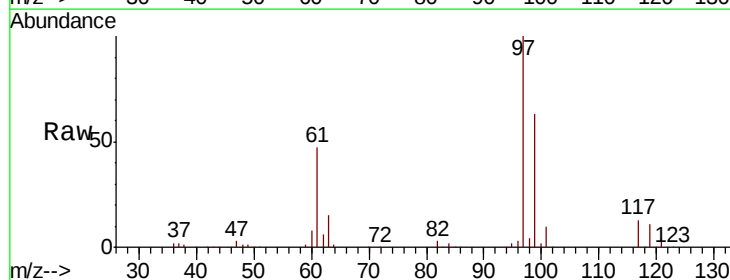
Tgt Ion: 97 Resp: 255974

Ion Ratio Lower Upper

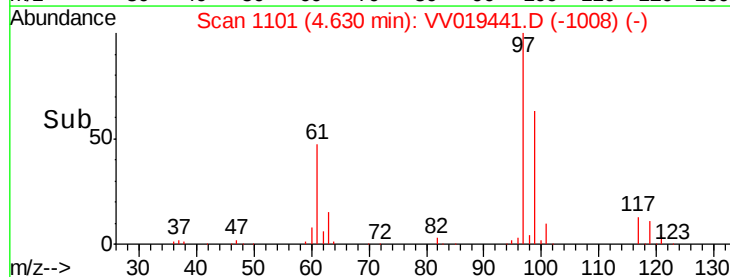
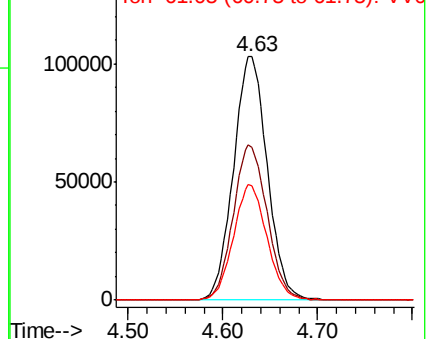
97 100

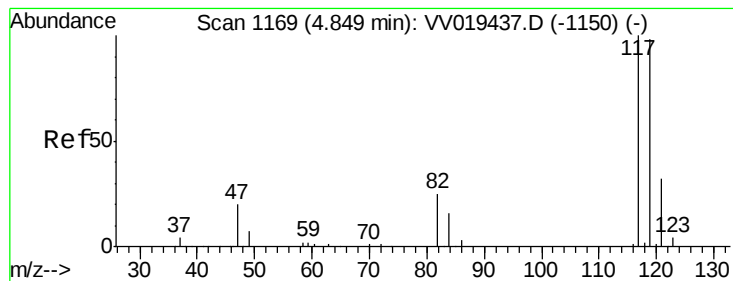
99 63.9 51.0 76.6

61 47.1 36.9 55.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 53.918 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

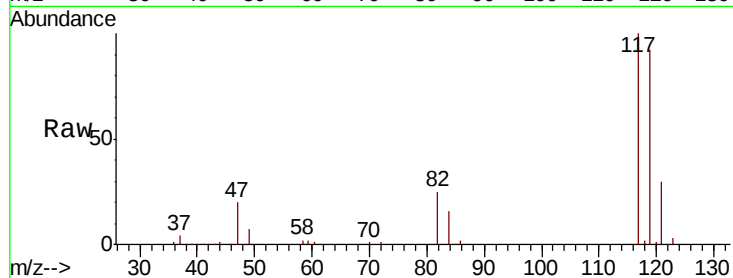
ClientSampleId :

Tot Ion:117 Resp: 219909

Ion Ratio Lower Upper

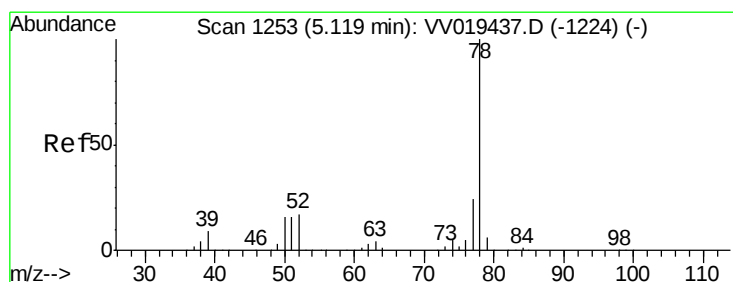
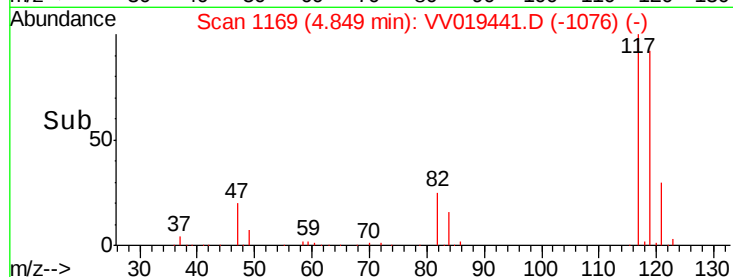
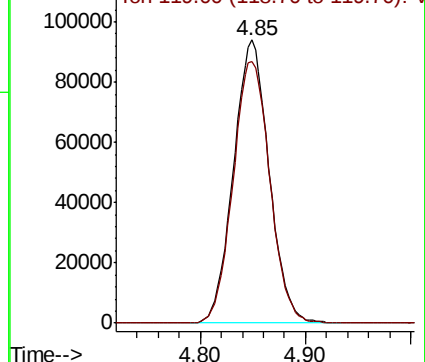
117 100

119 95.5 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.403 ug/L

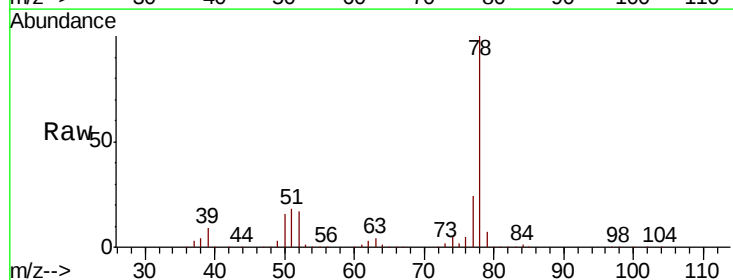
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

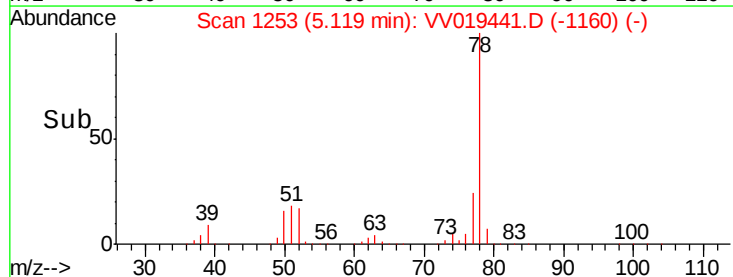
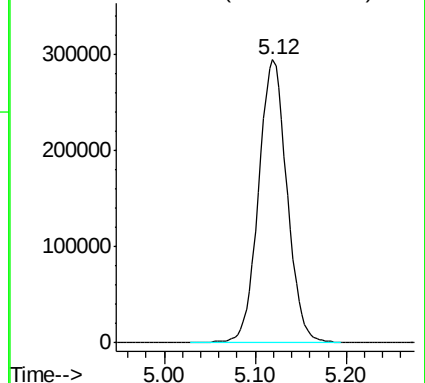
Lab File: VV019441.D

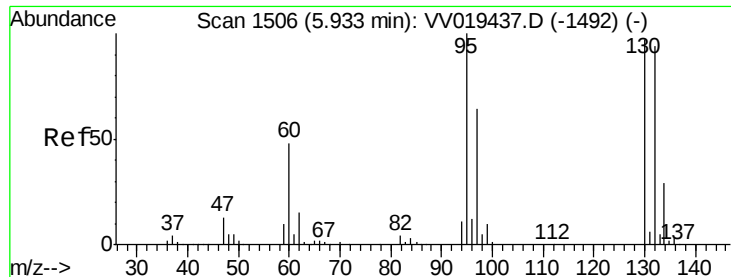
Acq: 25 Nov 2020 14:31

Tgt Ion: 78 Resp: 640354



Abundance Ion 78.00 (77.70 to 78.70): VV0

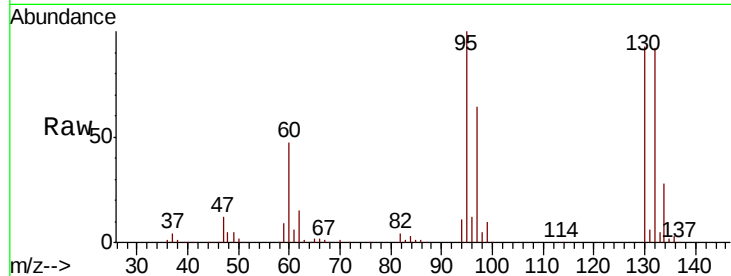




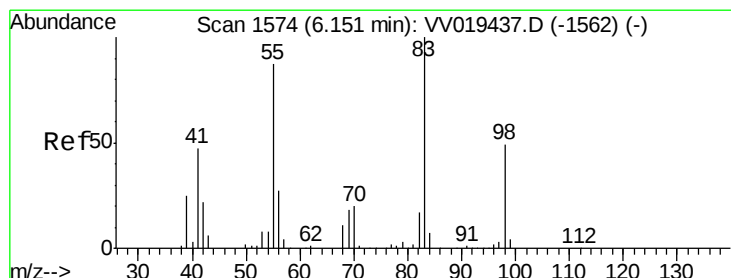
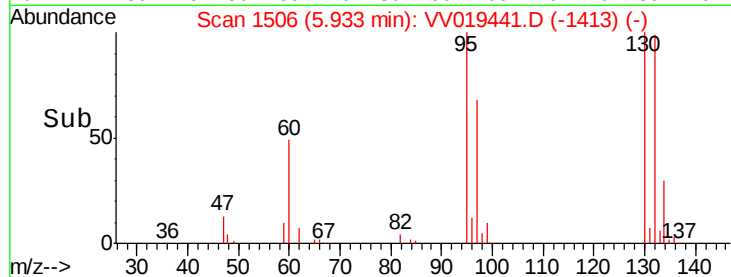
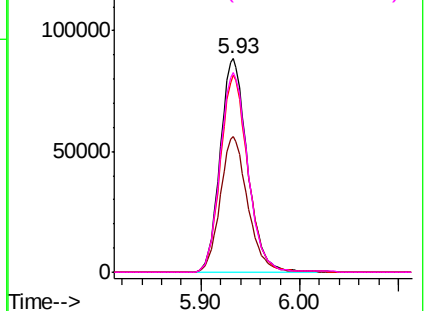
#34
 Trichloroethene
 Concen: 52.344 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV019441.D
 Acq: 25 Nov 2020 14:31

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 171816
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.8 81.3
 132 92.2 65.6 121.8
 130 93.3 69.2 128.6

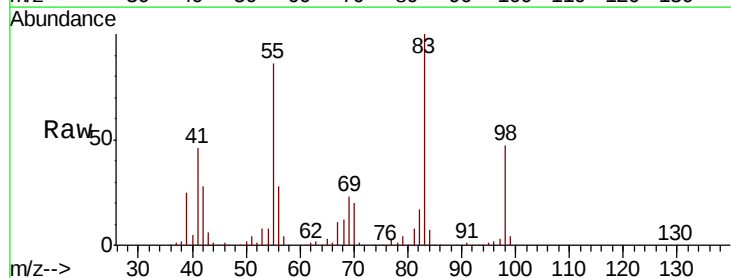


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

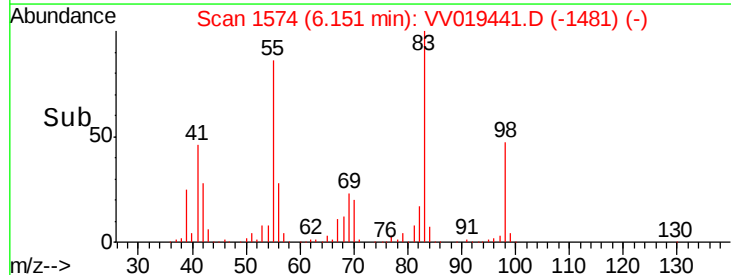
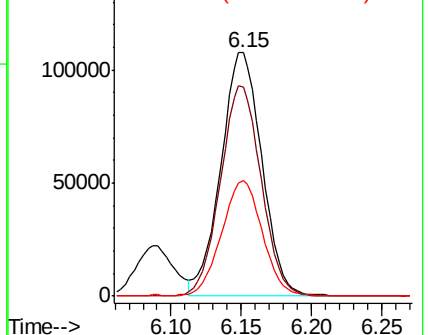


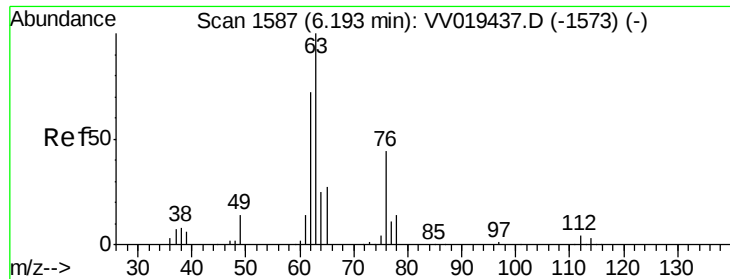
#35
 Methylcyclohexane
 Concen: 56.302 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV019441.D
 Acq: 25 Nov 2020 14:31

Tgt Ion: 83 Resp: 217468
 Ion Ratio Lower Upper
 83 100
 55 85.9 67.4 101.2
 98 47.3 38.3 57.5



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: 55.098 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

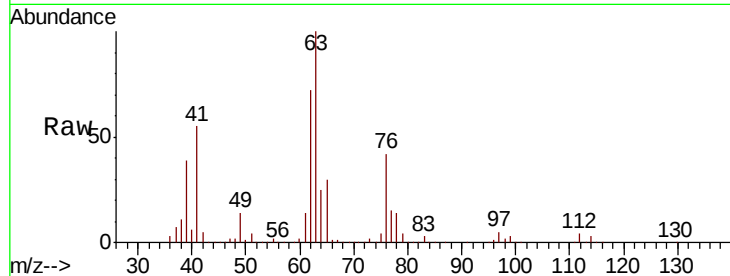
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 178881

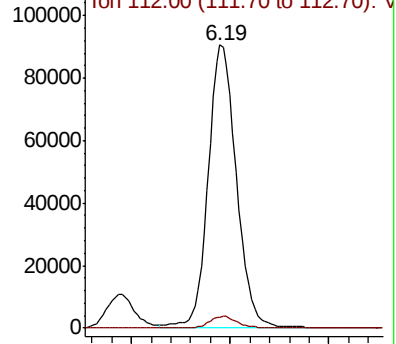
Ion Ratio Lower Upper

63 100

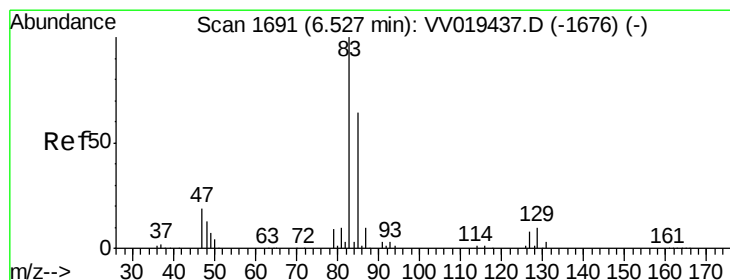
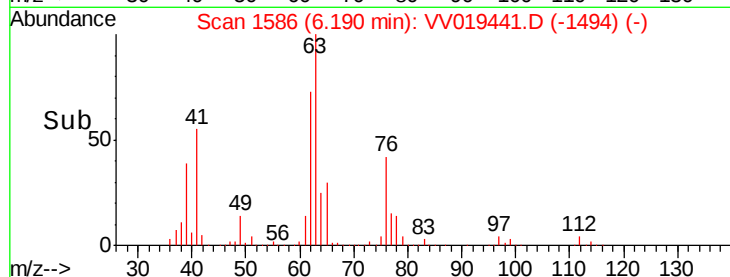
112 4.2 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV019441.D (-1573) (-)



Time-->



#38

Bromodichloromethane

Concen: 52.881 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

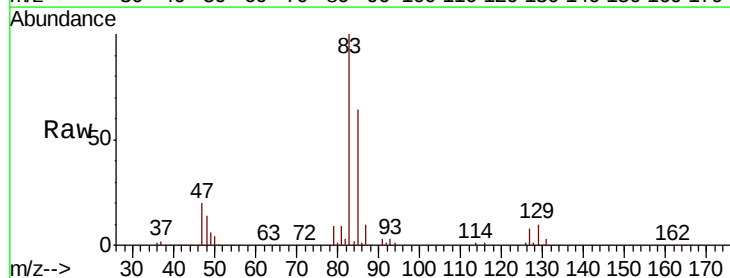
Tgt Ion: 83 Resp: 227616

Ion Ratio Lower Upper

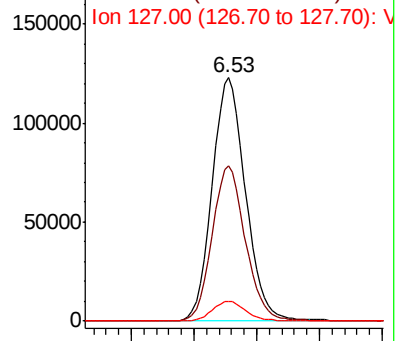
83 100

85 63.8 45.3 84.1

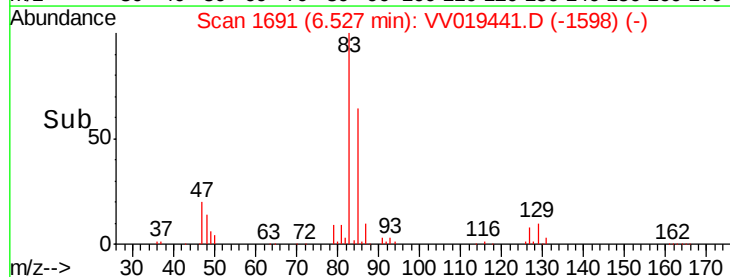
127 8.2 6.6 9.8

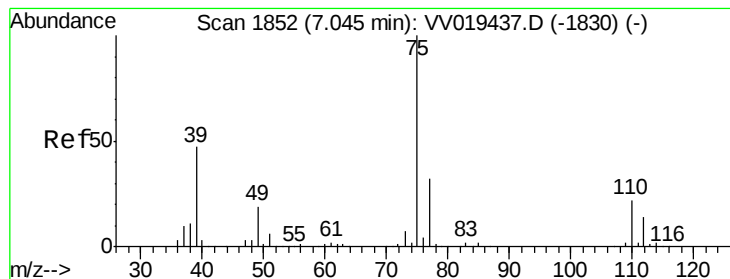


Abundance Ion 83.00 (82.70 to 83.70): VV019441.D (-1598) (-)



Time-->



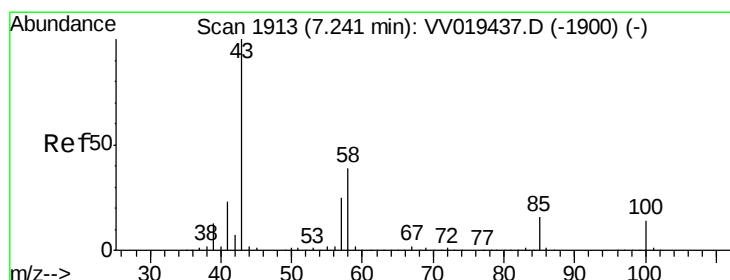
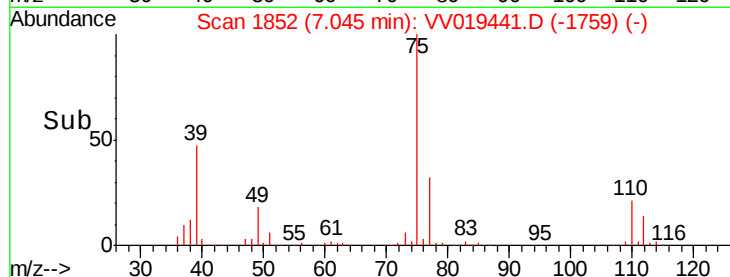
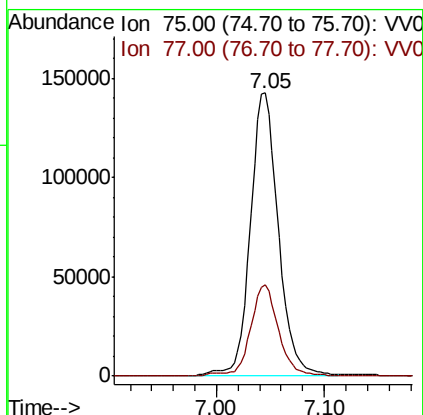
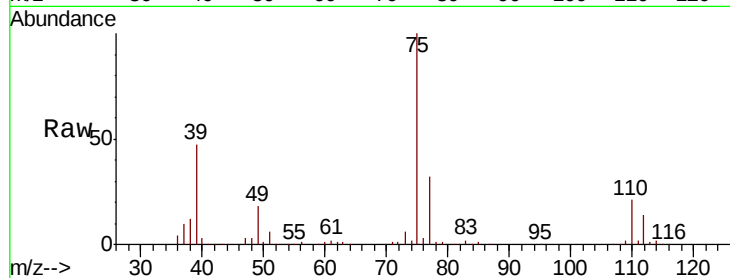


#39

cis-1,3-Dichloropropene
Concen: 53.843 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Instrument :
MSVOA_V
ClientSampleId :

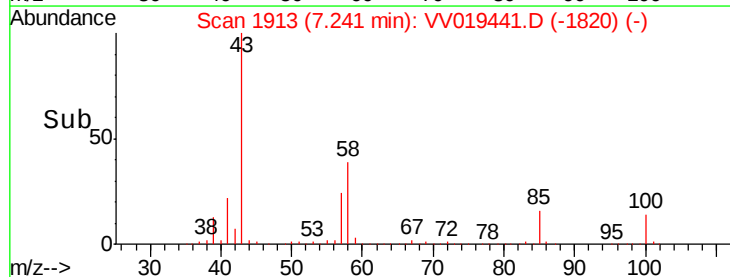
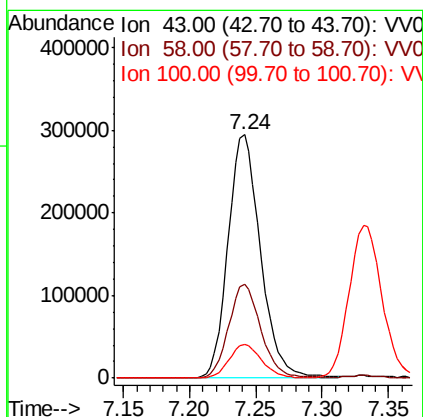
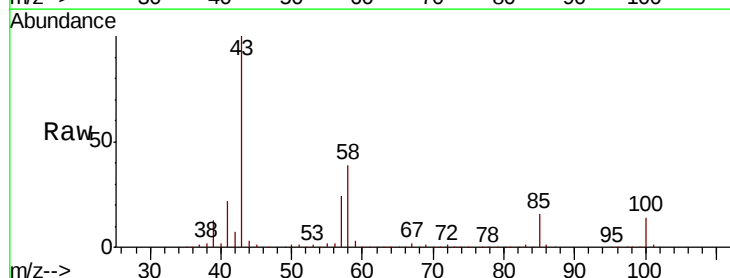
Tot Ion: 75 Resp: 258209
Ion Ratio Lower Upper
75 100
77 32.2 22.5 41.7

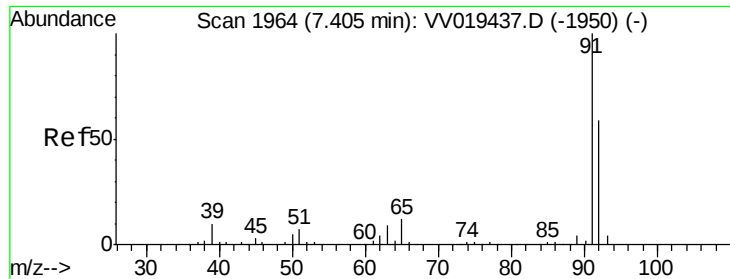


#40

4-Methyl-2-pentanone
Concen: 109.577 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Tgt Ion: 43 Resp: 501638
Ion Ratio Lower Upper
43 100
58 38.3 31.0 46.4
100 14.0 11.7 17.5





#42

Toluene

Concen: 55.009 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

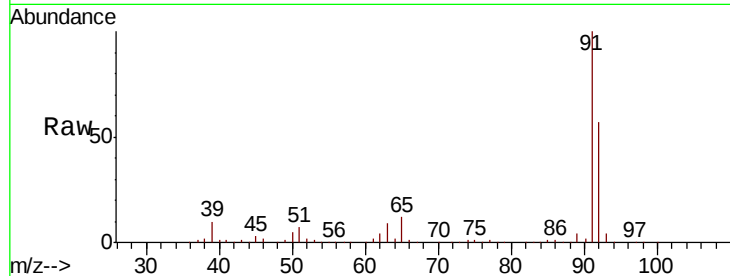
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 671668

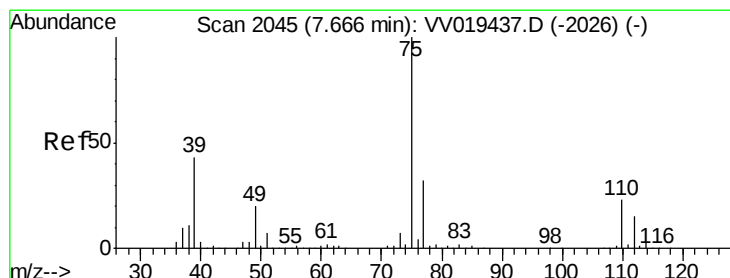
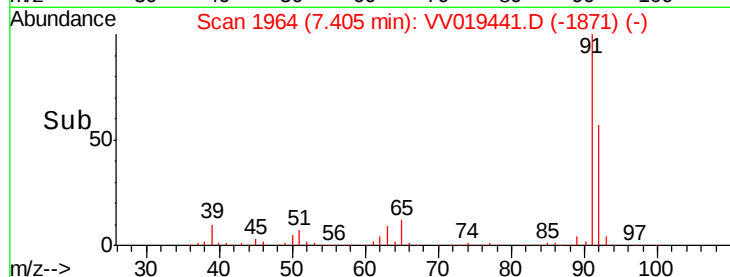
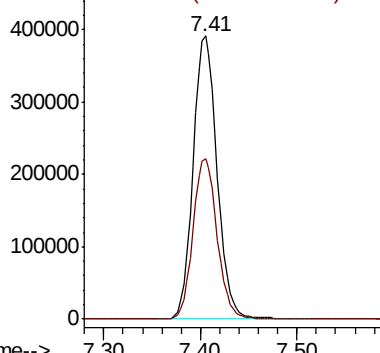
Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.4



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: 54.863 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VV019441.D

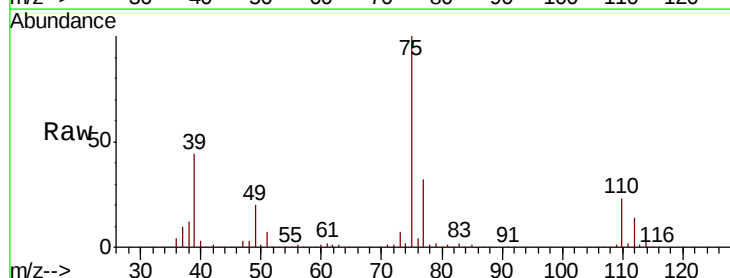
Acq: 25 Nov 2020 14:31

Tgt Ion: 75 Resp: 262068

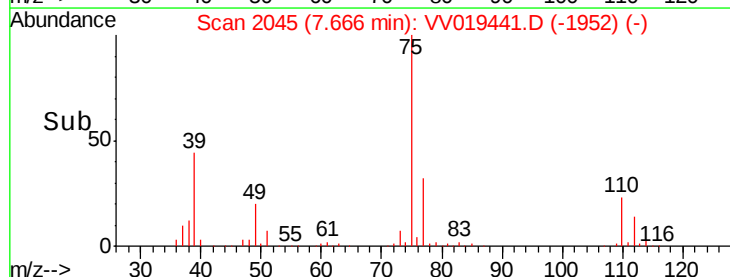
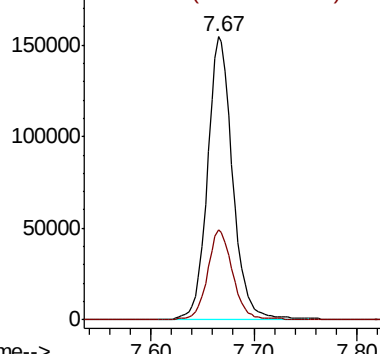
Ion Ratio Lower Upper

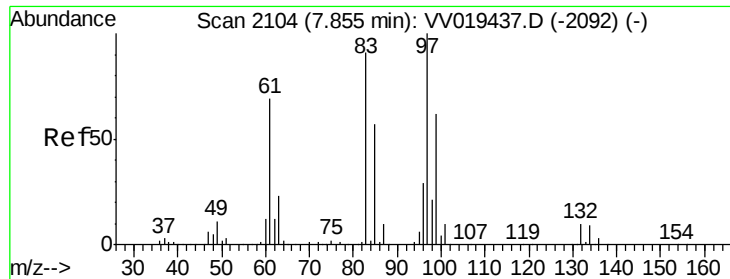
75 100

77 31.7 22.8 42.4



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

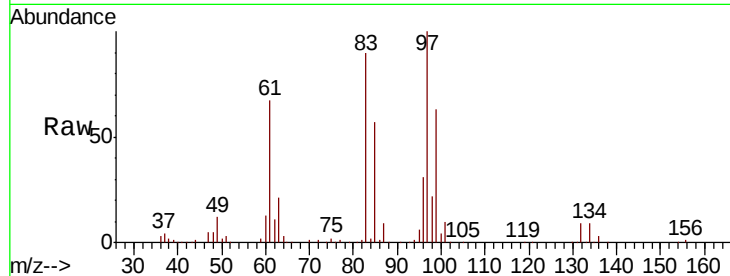




#45
1,1,2-Trichloroethane
Concen: 52.645 ug/L
RT: 7.86 min Scan# 2104
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	160047
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.7	81.1
83	89.7	62.0	115.2
85	57.3	40.0	74.4



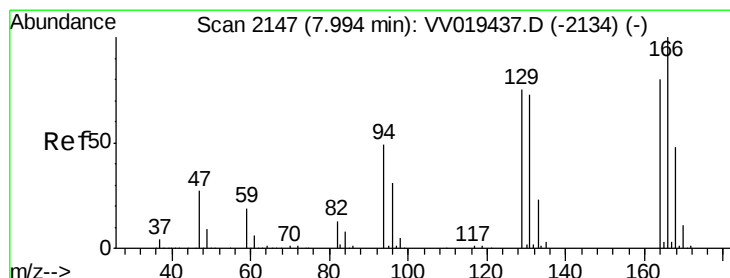
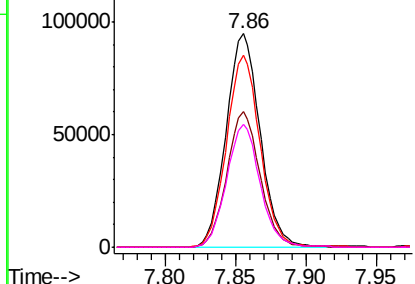
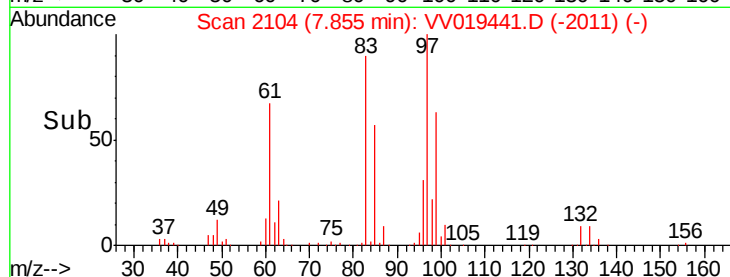
Abundance

Ion 97.00 (96.70 to 97.70): VV019441.D (-2011) (-)

Ion 99.00 (98.70 to 99.70): VV019441.D (-2011) (-)

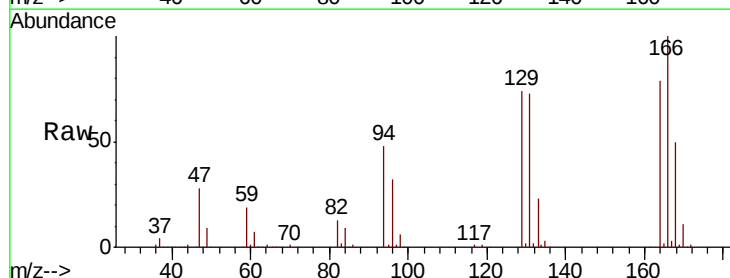
Ion 83.00 (82.70 to 83.70): VV019441.D (-2011) (-)

Ion 85.00 (84.70 to 85.70): VV019441.D (-2011) (-)



#46
Tetrachloroethene
Concen: 52.006 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Tgt Ion:	164	Resp:	118557
Ion	Ratio	Lower	Upper
164	100		
129	93.2	62.9	116.7
131	92.2	61.1	113.5
166	125.8	86.5	160.6



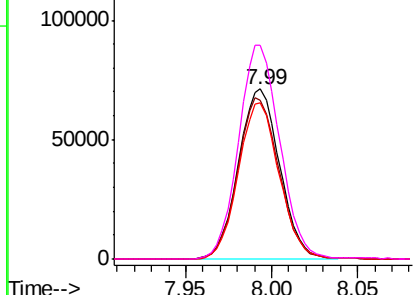
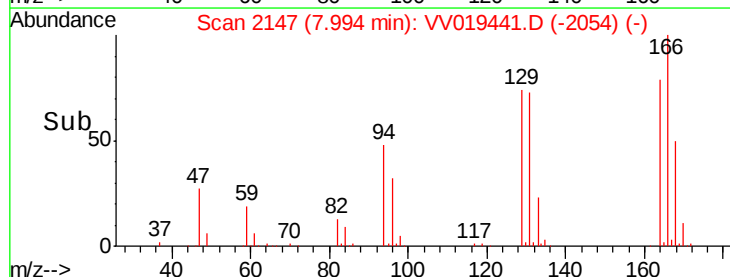
Abundance

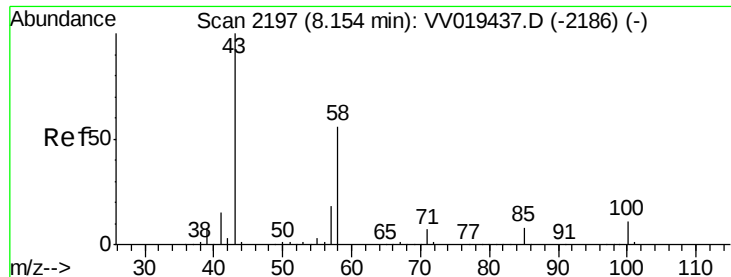
Ion 164.00 (163.70 to 164.70): VV019441.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV019441.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV019441.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV019441.D (-2054) (-)

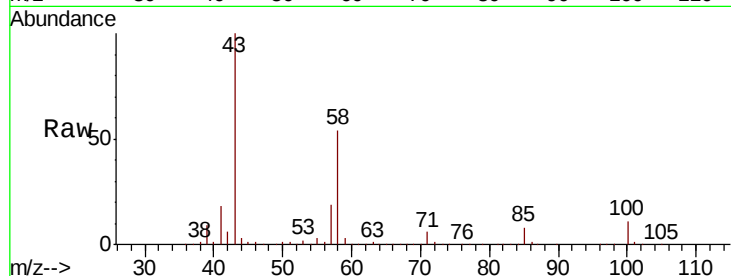




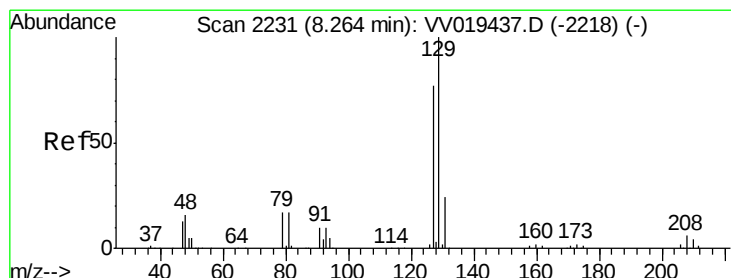
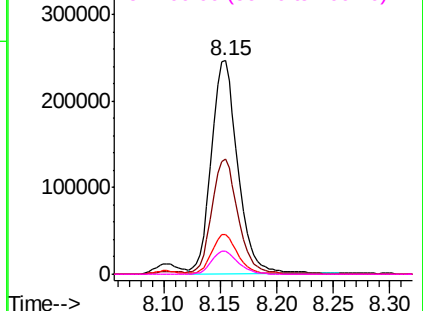
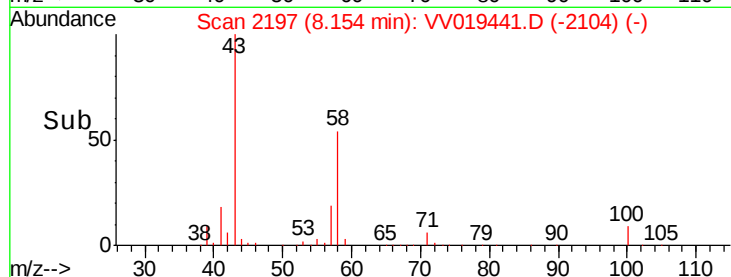
#48
2-Hexanone
Concen: 109.577 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 397308
Ion Ratio Lower Upper
43 100
58 54.1 43.8 65.6
57 18.3 15.4 23.2
100 10.9 9.0 13.6

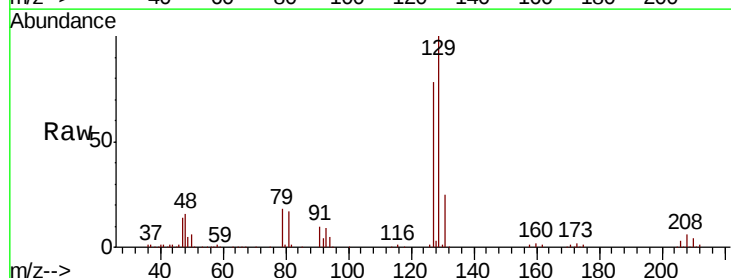


Abundance Ion 43.00 (42.70 to 43.70): VV019441.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019441.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019441.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019441.D (-2104) (-)

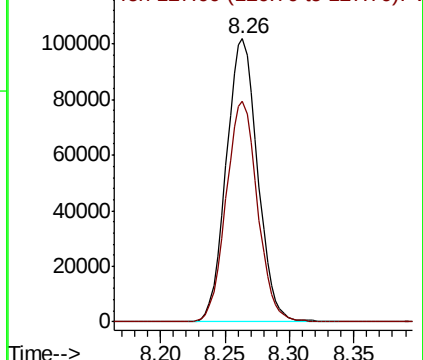
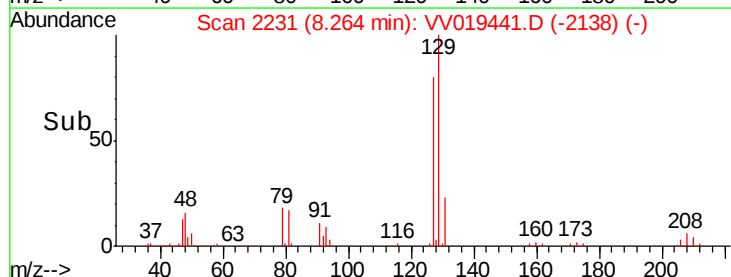


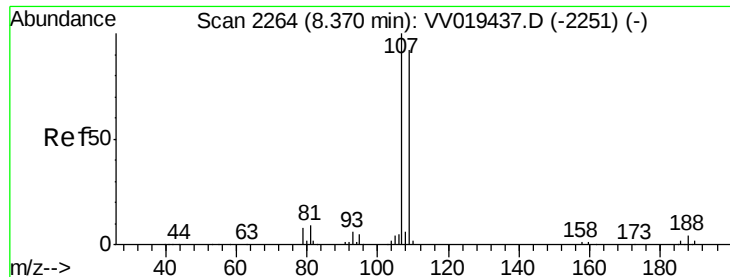
#49
Dibromochloromethane
Concen: 51.262 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Tgt Ion: 129 Resp: 172239
Ion Ratio Lower Upper
129 100
127 78.1 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): VV019441.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019441.D (-2138) (-)

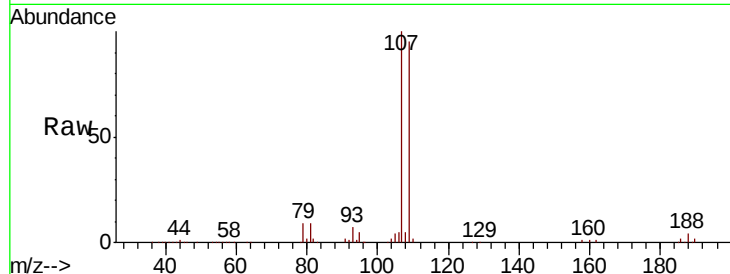




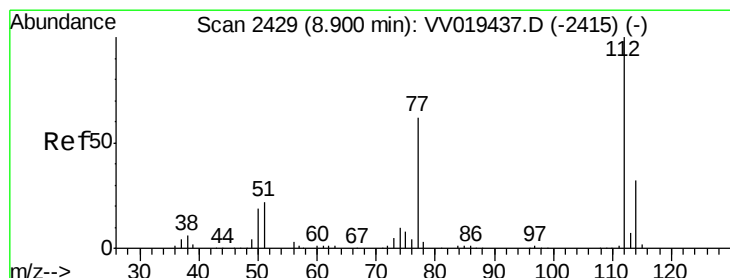
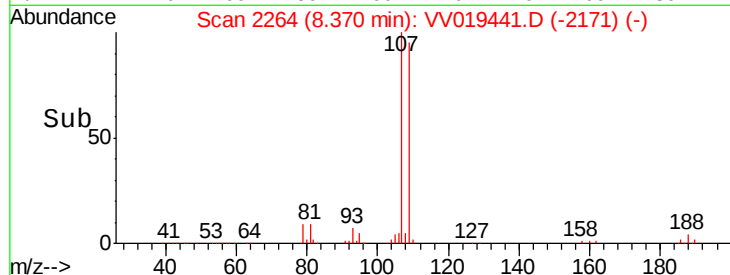
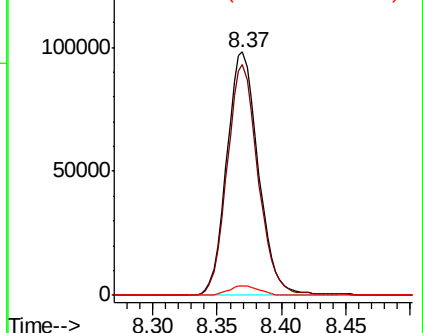
#50
1,2-Dibromoethane
Concen: 51.761 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	66.1	122.8
188	3.9	3.0	4.4

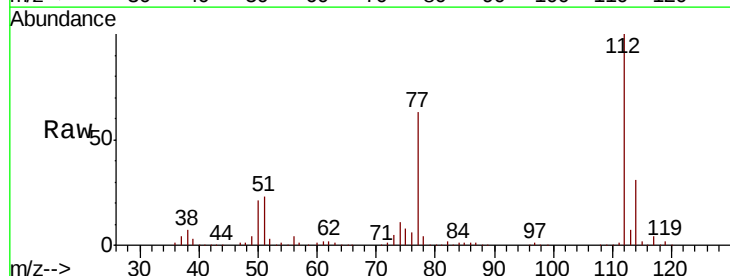


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

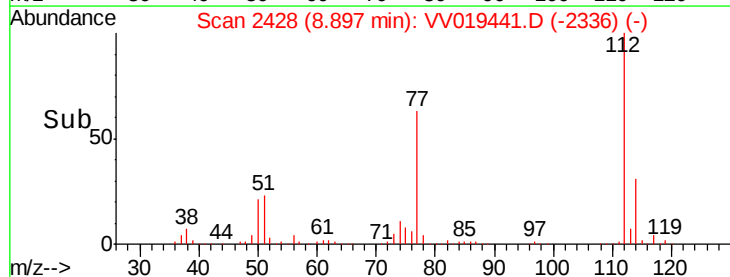
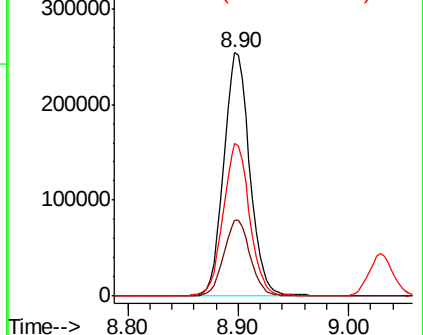


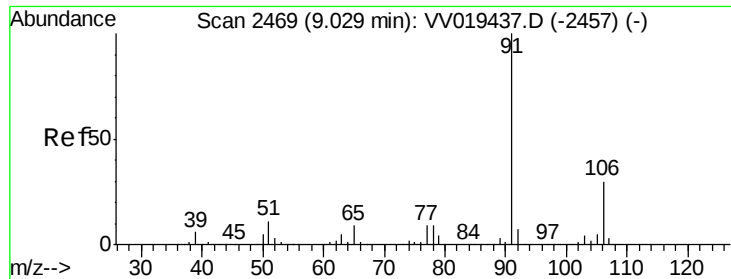
#51
Chlorobenzene
Concen: 51.584 ug/L
RT: 8.90 min Scan# 2428
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.7	42.1
77	62.6	50.3	75.5



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

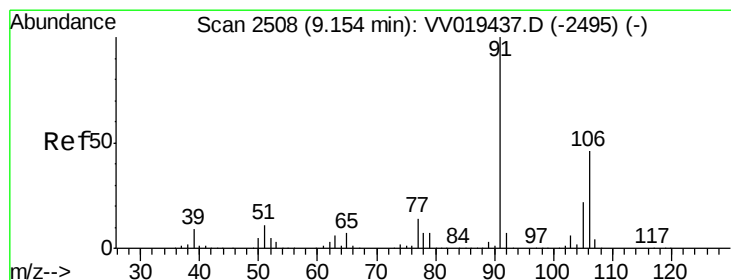
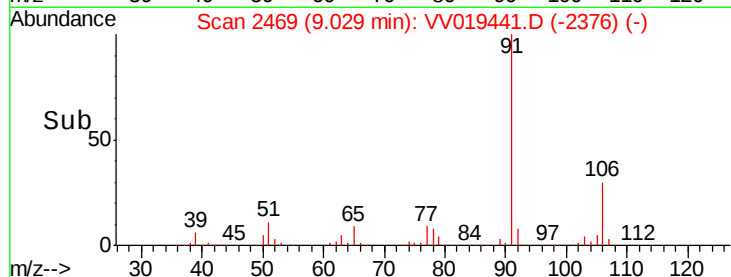
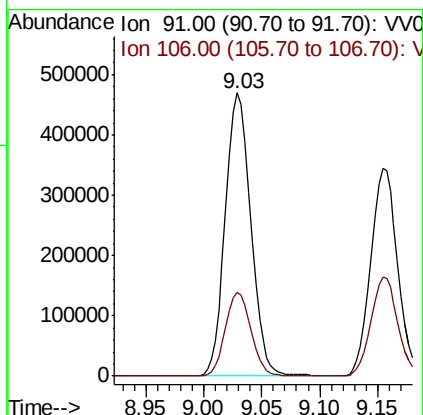
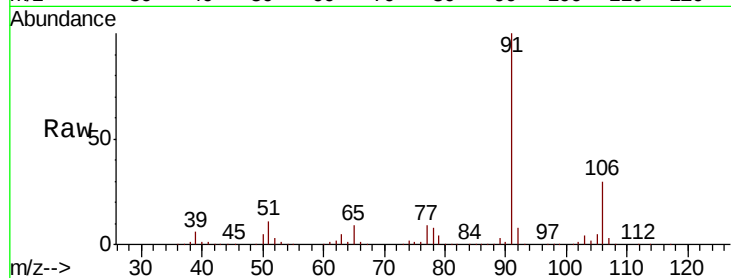




#52
Ethylbenzene
Concen: 54.711 ug/L
RT: 9.03 min Scan# 2469
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

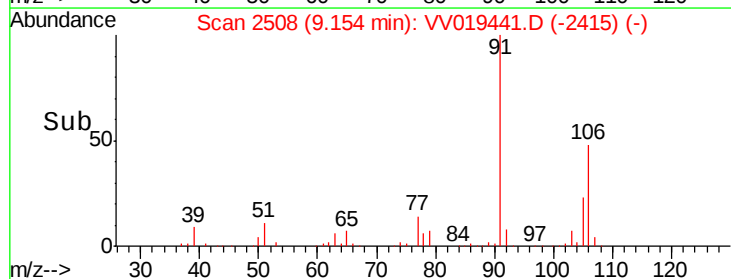
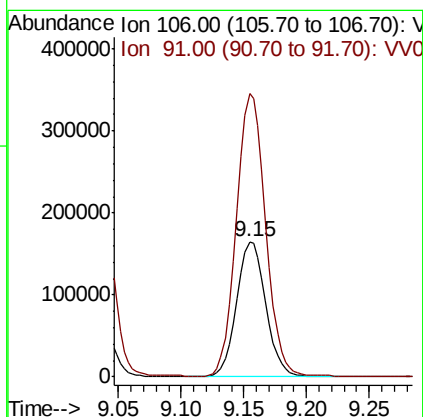
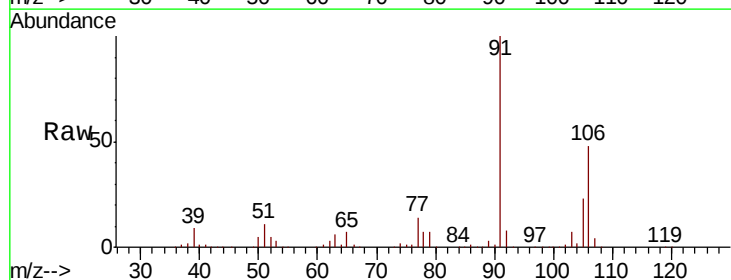
Instrument :
MSVOA_V
ClientSampled :

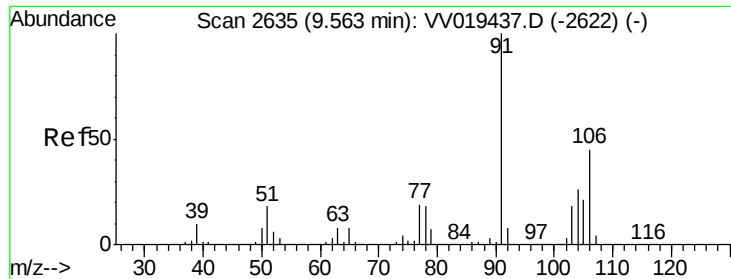
Tot Ion: 91 Resp: 716897
Ion Ratio Lower Upper
91 100
106 29.6 21.4 39.8



#53
m,p-Xylene
Concen: 54.686 ug/L
RT: 9.15 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VV019441.D
Acq: 25 Nov 2020 14:31

Tgt Ion: 106 Resp: 265135
Ion Ratio Lower Upper
106 100
91 209.6 148.7 276.3





#54

o-xylene

Concen: 54.491 ug/L

RT: 9.56 min Scan# 2634

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

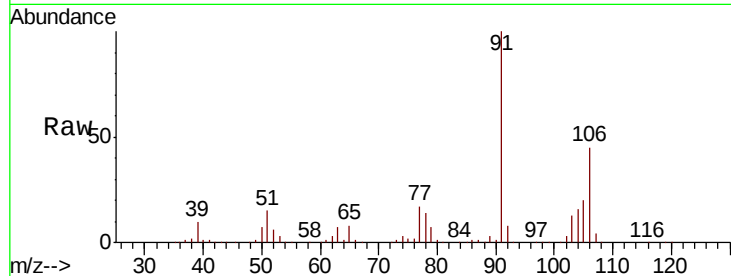
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 257234

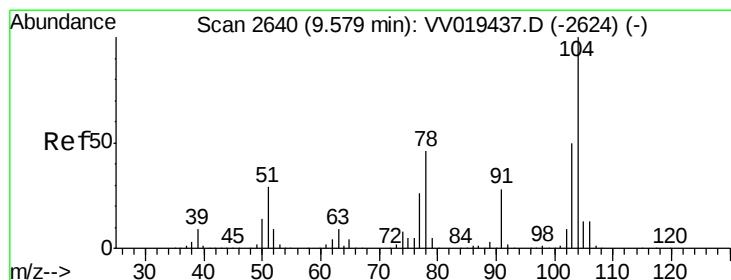
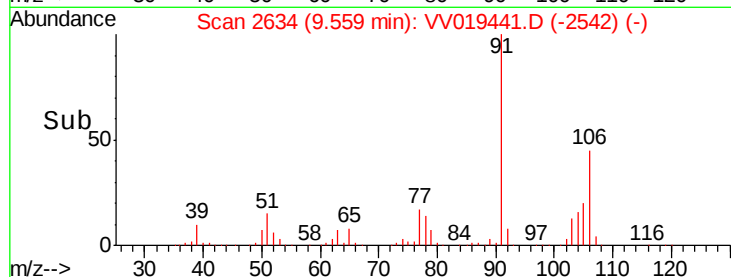
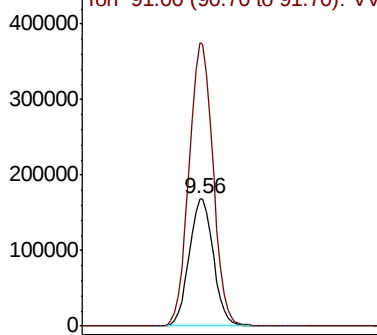
Ion Ratio Lower Upper

106 100

91 222.1 155.1 288.1



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



#55

Styrene

Concen: 55.880 ug/L

RT: 9.58 min Scan# 2639

Delta R.T. -0.00 min

Lab File: VV019441.D

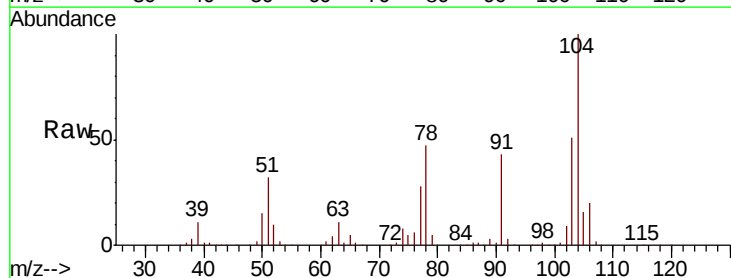
Acq: 25 Nov 2020 14:31

Tgt Ion:104 Resp: 472221

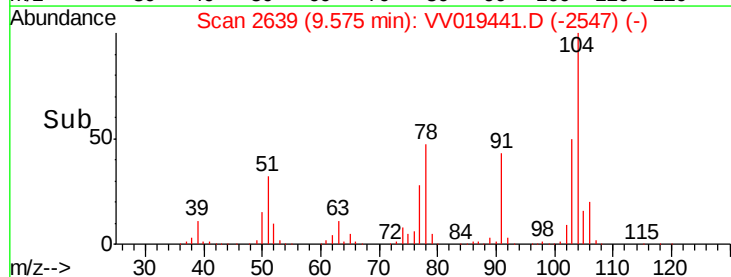
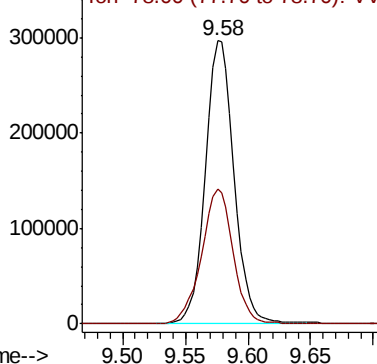
Ion Ratio Lower Upper

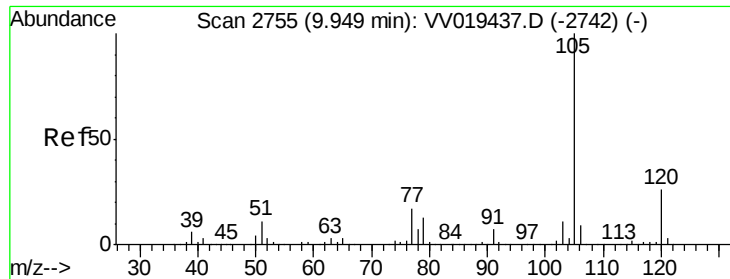
104 100

78 47.5 33.0 61.4



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





#56

Isopropylbenzene

Concen: 54.486 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :
MSVOA_V
ClientSampleId :

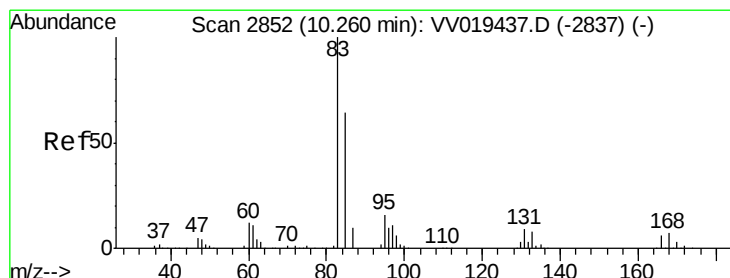
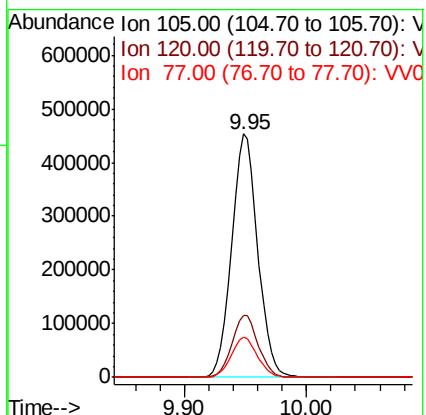
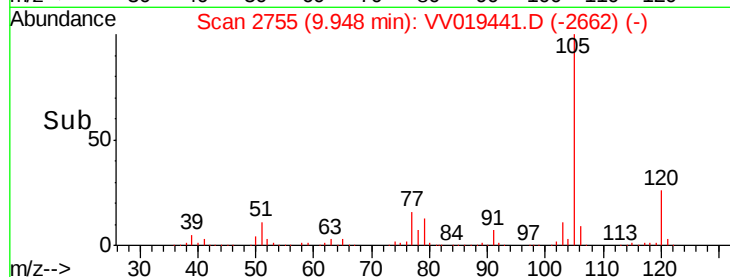
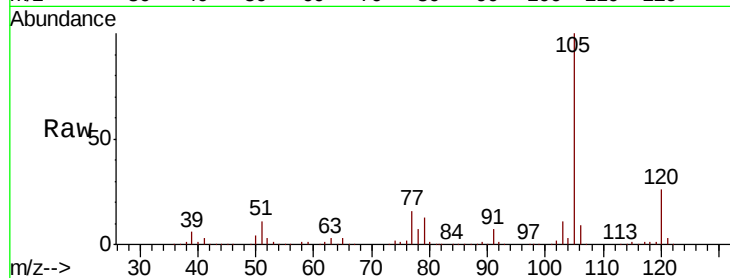
Tot Ion:105 Resp: 673879

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

77 16.6 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 51.500 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

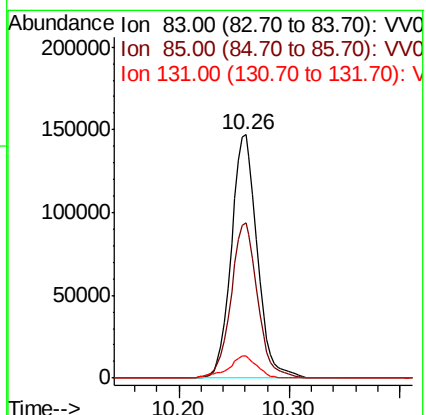
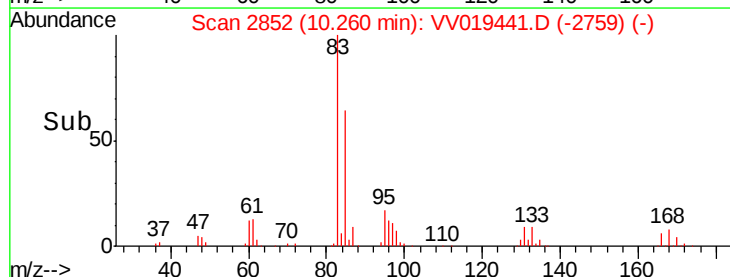
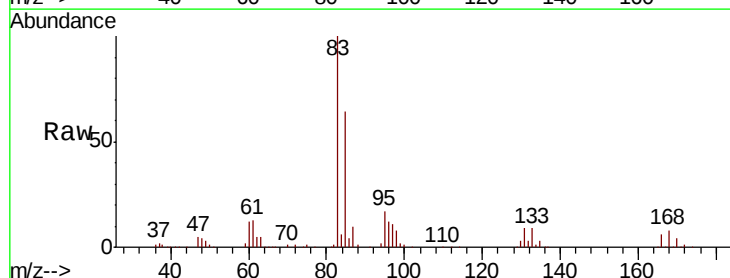
Tgt Ion: 83 Resp: 239313

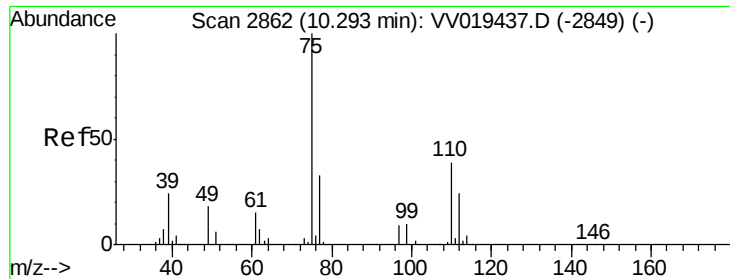
Ion Ratio Lower Upper

83 100

85 63.9 44.8 83.2

131 9.0 7.2 10.8

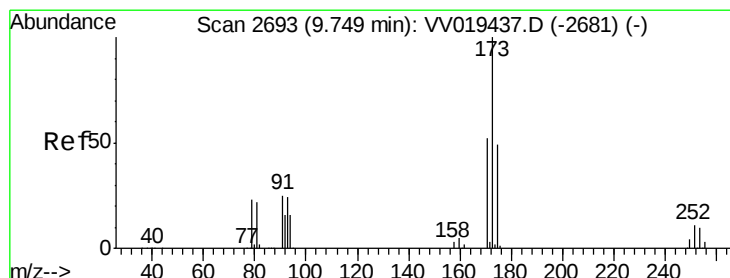
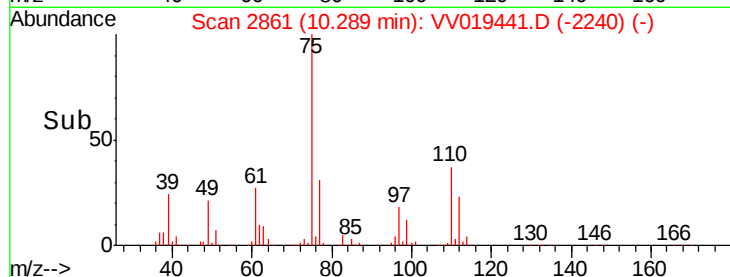
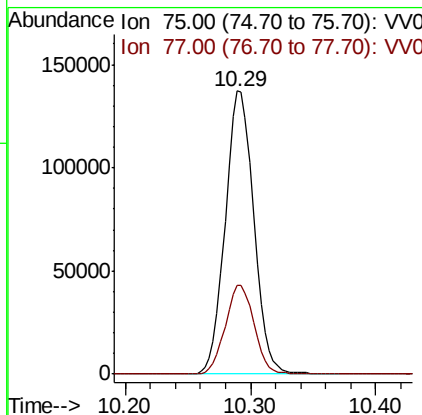
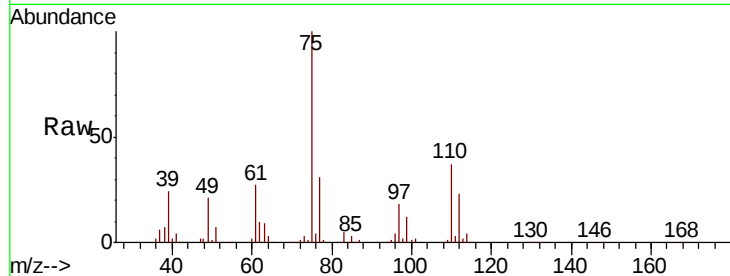




#59
 1,2,3-Trichloropropane
 Concen: 50.868 ug/L
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VV019441.D
 Acq: 25 Nov 2020 14:31

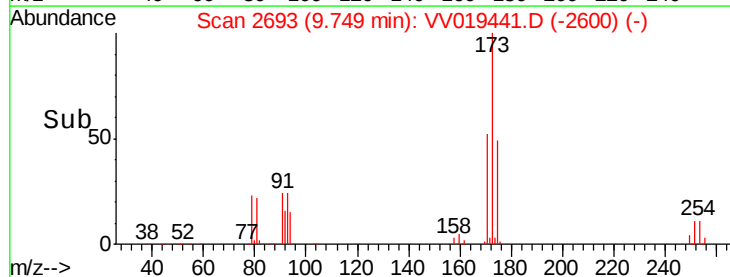
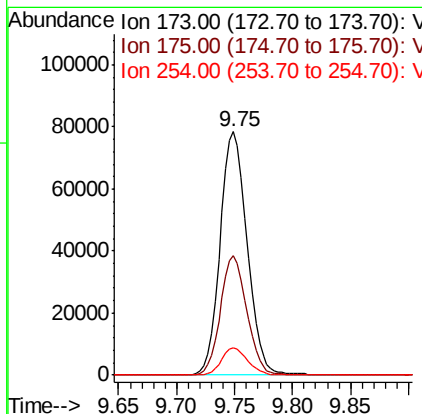
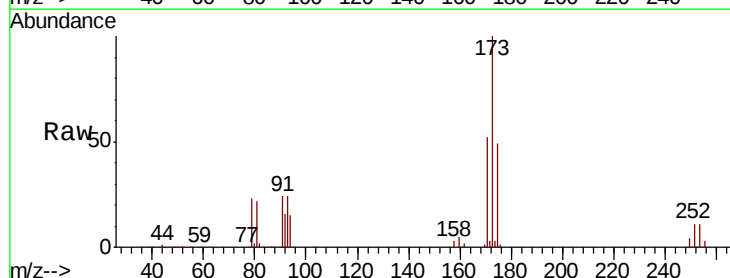
Instrument :
 MSVOA_V
 ClientSampleId :

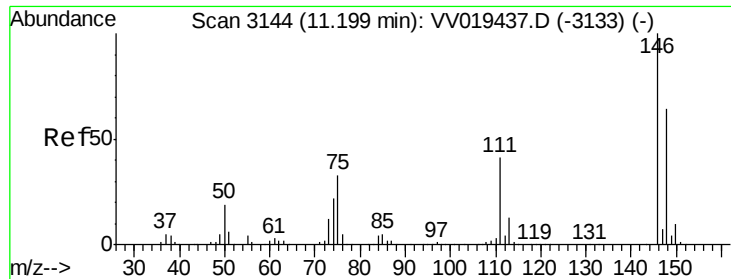
Tot Ion: 75 Resp: 216934
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8



#61
 Bromoform
 Concen: 51.060 ug/L
 RT: 9.75 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VV019441.D
 Acq: 25 Nov 2020 14:31

Tgt Ion: 173 Resp: 126874
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.8 58.2
 254 10.9 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 52.392 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

ClientSampleId :

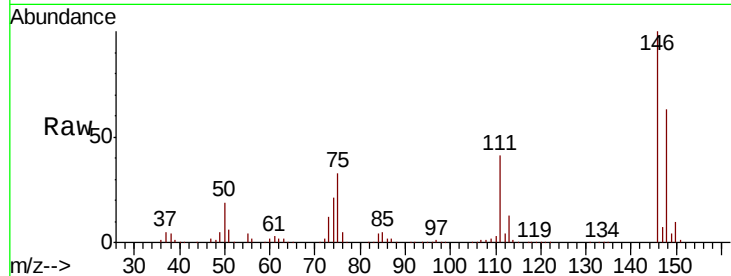
Tot Ion:146 Resp: 331279

Ion Ratio Lower Upper

146 100

111 41.3 27.9 51.7

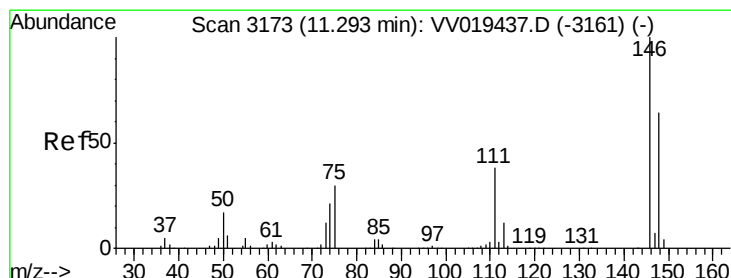
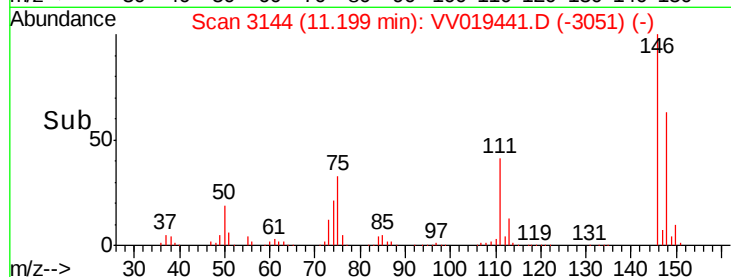
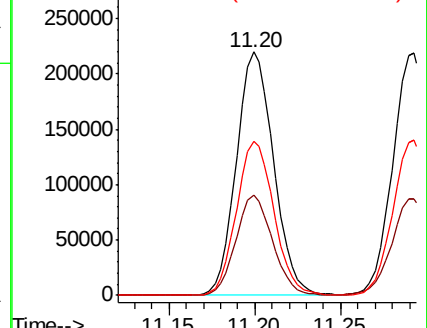
148 63.2 44.4 82.5



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



#63

1,4-Dichlorobenzene

Concen: 51.195 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

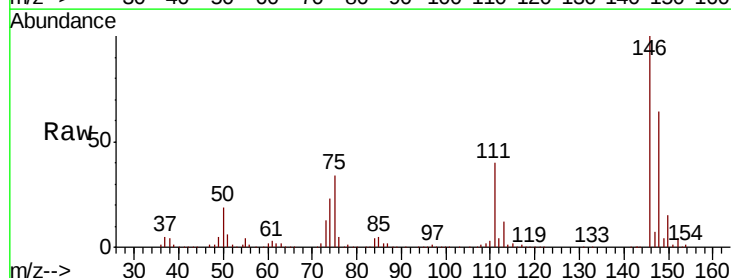
Tgt Ion:146 Resp: 340236

Ion Ratio Lower Upper

146 100

111 39.9 26.7 49.7

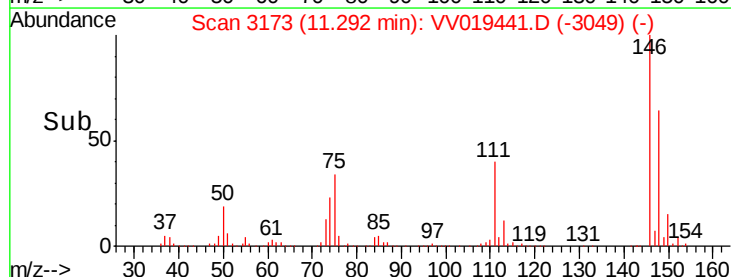
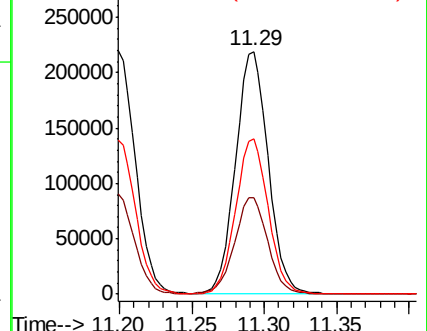
148 64.0 45.2 84.0

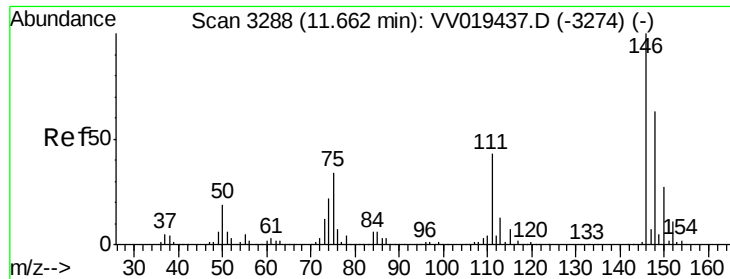


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.661 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

ClientSampleId :

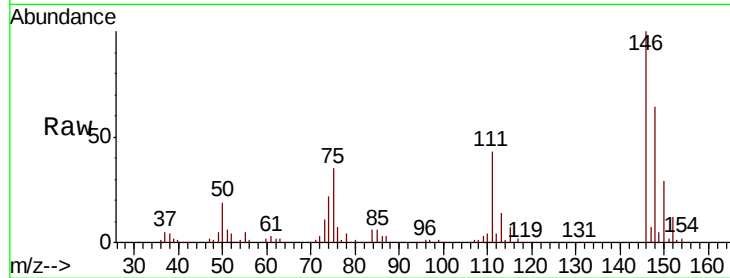
Tot Ion:146 Resp: 335365

Ion Ratio Lower Upper

146 100

111 42.7 33.8 50.8

148 63.9 49.8 74.8

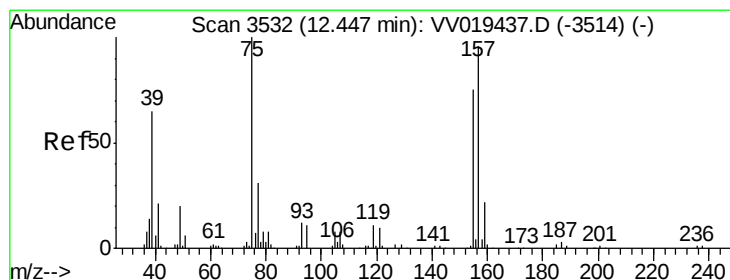
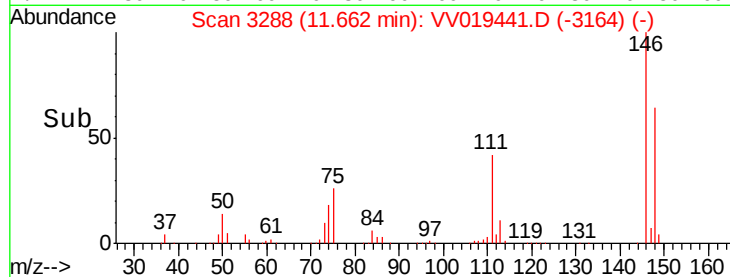
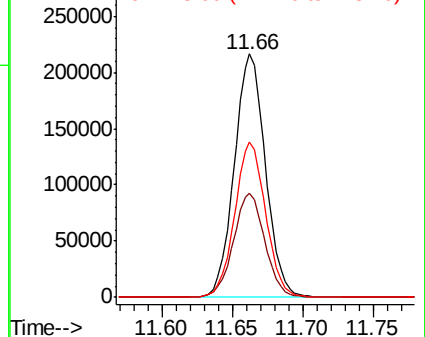


Abundance

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: 51.206 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

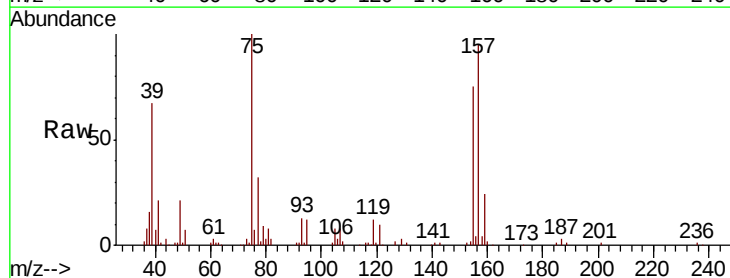
Tgt Ion: 75 Resp: 57521

Ion Ratio Lower Upper

75 100

155 75.0 64.5 96.7

157 94.8 84.2 126.2

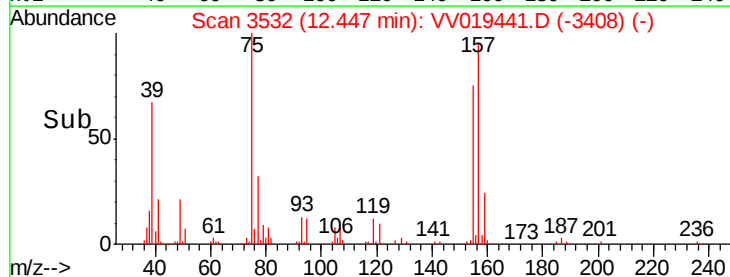
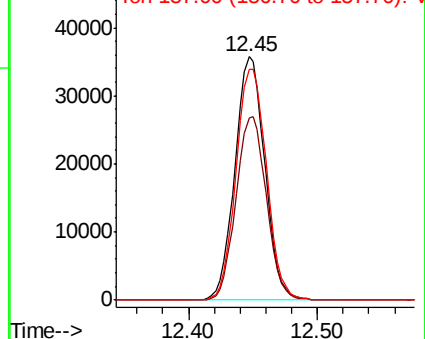


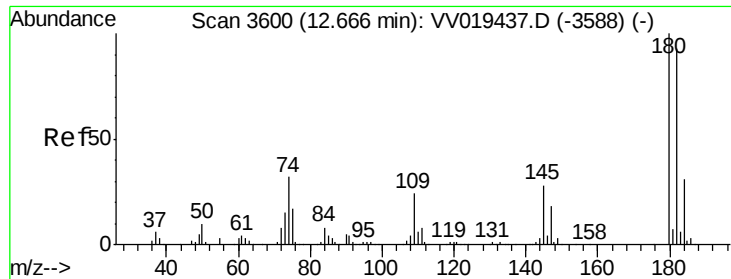
Abundance

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

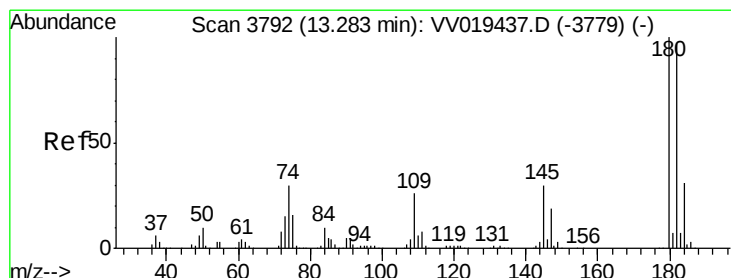
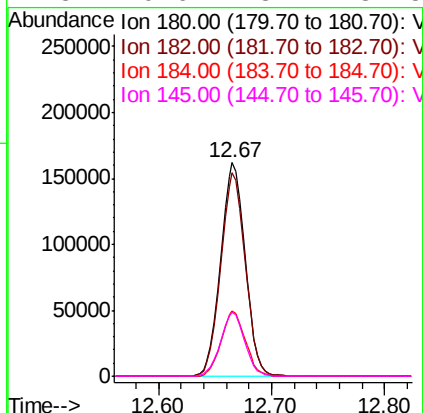
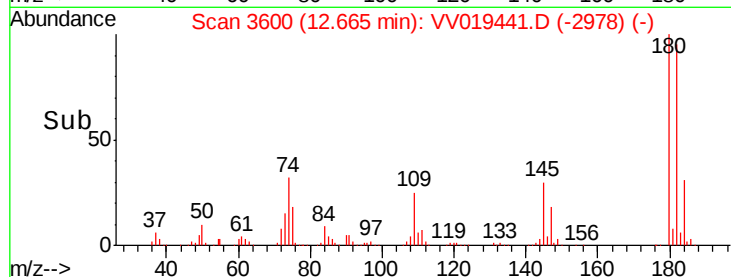
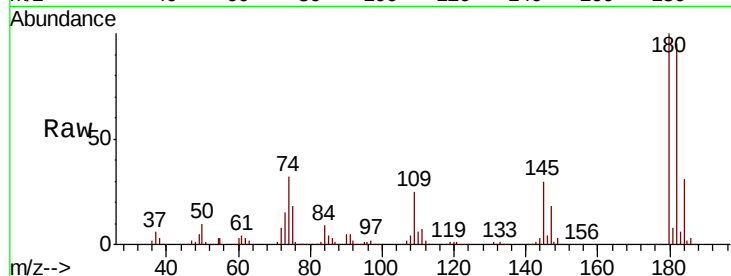




#67
 1,3,5-Trichlorobenzene
 Concen: 53.003 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019441.D
 Acq: 25 Nov 2020 14:31

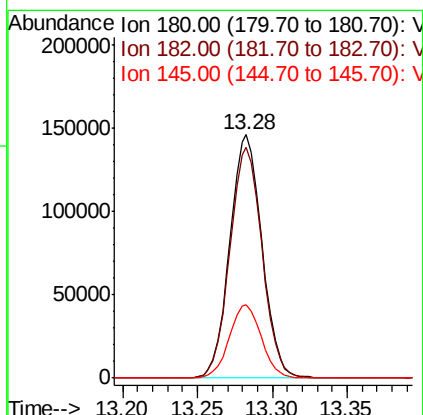
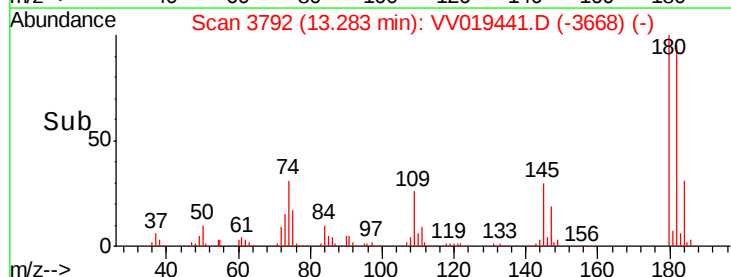
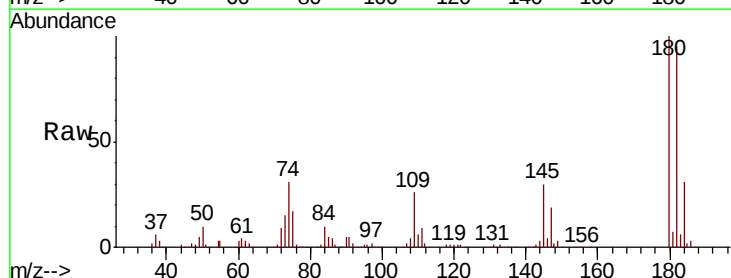
Instrument :
 MSVOA_V
 ClientSampleId :

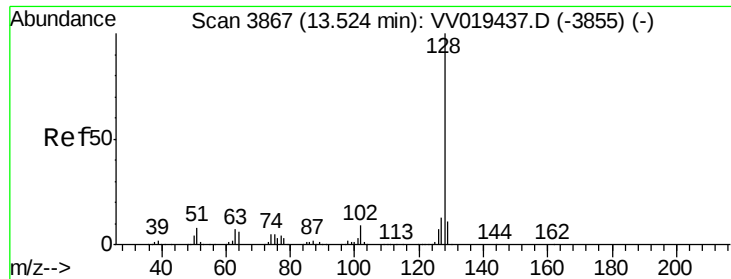
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.4
184	30.2	24.2	36.2
145	29.6	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 53.511 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019441.D
 Acq: 25 Nov 2020 14:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.3	114.5
145	30.1	23.4	35.2





#69

Naphthalene

Concen: 55.036 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

Instrument :

MSVOA_V

ClientSampleId :

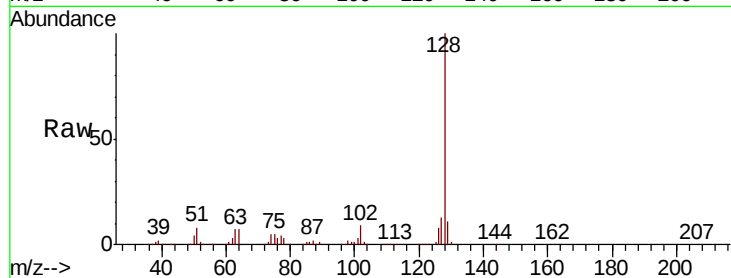
Tot Ion:128 Resp: 570294

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

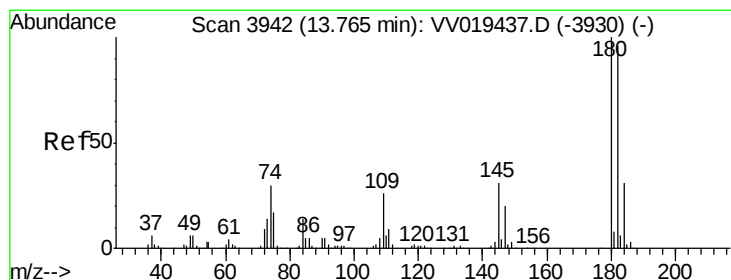
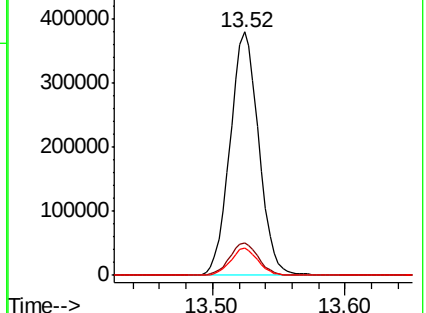
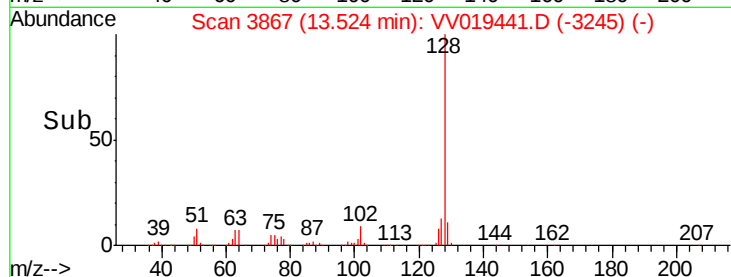
129 10.8 8.6 13.0



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: 54.075 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019441.D

Acq: 25 Nov 2020 14:31

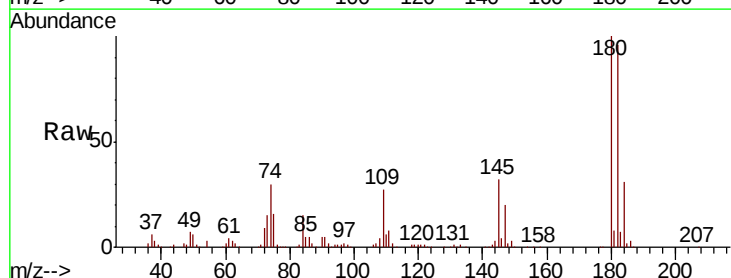
Tgt Ion:180 Resp: 230330

Ion Ratio Lower Upper

180 100

182 95.5 76.6 115.0

145 32.0 25.0 37.6



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

