

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
 Data File : VV019725.D
 Acq On : 19 Dec 2020 09:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

Quant Time: Dec 21 03:29:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 07:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	762957	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	717520	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	369870	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	230756	42.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.36%
7) Chloroethane-d5	1.57	69	195547	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.64%
11) 1,1-Dichloroethene-d2	2.11	63	458394	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
21) 2-Butanone-d5	3.89	46	377988	127.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.11%
24) Chloroform-d	4.35	84	465730	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
26) 1,2-Dichloroethane-d4	5.03	65	307170	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
32) Benzene-d6	5.05	84	880065	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
36) 1,2-Dichloropropane-d6	6.07	67	285657	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.30%
41) Toluene-d8	7.32	98	772840	44.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.70%
43) trans-1,3-Dichloropropene-	7.62	79	146346	42.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.84%
47) 2-Hexanone-d5	8.09	63	266032	113.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.07%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	388768	47.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.90%
64) 1,2-Dichlorobenzene-d4	11.63	152	304070	43.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	275431	44.733	ug/L 100
3) Chloromethane	1.24	50	297180	45.408	ug/L 99
5) Vinyl chloride	1.31	62	301107	45.868	ug/L 98
6) Bromomethane	1.52	94	177371	44.991	ug/L 100
8) Chloroethane	1.59	64	181704	45.889	ug/L 100
9) Trichlorofluoromethane	1.75	101	378650	47.210	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	216765	48.939	ug/L 98
12) 1,1-Dichloroethene	2.12	96	209318	46.052	ug/L # 74
13) Acetone	2.18	43	258460	102.025	ug/L 100
14) Carbon disulfide	2.30	76	621972	41.646	ug/L 99
15) Methyl Acetate	2.43	43	268777	48.697	ug/L 99
16) Methylene chloride	2.51	84	251379	47.171	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	228336	45.833	ug/L 97
18) Methyl tert-butyl Ether	2.77	73	792916	45.548	ug/L 99
19) 1,1-Dichloroethane	3.19	63	461771	47.810	ug/L 100
20) cis-1,2-Dichloroethene	3.91	96	252931	46.184	ug/L # 98
22) 2-Butanone	3.97	43	385424	103.720	ug/L 96

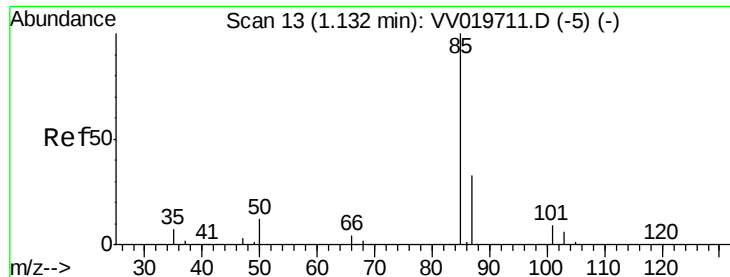
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
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 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 07:00:18 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	122207	45.352	ug/L	96
25) Chloroform	4.38	83	459147	47.599	ug/L	100
27) 1,2-Dichloroethane	5.13	62	376018	47.053	ug/L	99
29) Cyclohexane	4.68	56	408245	46.423	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	398722	44.318	ug/L	98
31) Carbon tetrachloride	4.83	117	333849	43.957	ug/L	98
33) Benzene	5.10	78	977837	46.630	ug/L	100
34) Trichloroethene	5.92	95	255157	46.061	ug/L	99
35) Methylcyclohexane	6.13	83	407475	48.420	ug/L	99
37) 1,2-Dichloropropane	6.17	63	266313	48.630	ug/L	100
38) Bromodichloromethane	6.51	83	345399	45.105	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	413021	45.410	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	742966	94.037	ug/L	98
42) Toluene	7.39	91	1027876	46.507	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	403773	43.843	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	238937	45.946	ug/L	99
46) Tetrachloroethene	7.98	164	175743	45.849	ug/L	98
48) 2-Hexanone	8.14	43	573038	95.587	ug/L	97
49) Dibromochloromethane	8.25	129	251122	44.094	ug/L	98
50) 1,2-Dibromoethane	8.35	107	246546	45.020	ug/L	100
51) Chlorobenzene	8.88	112	651703	46.168	ug/L	100
52) Ethylbenzene	9.02	91	1173820	46.615	ug/L	99
53) m,p-Xylene	9.14	106	433585	46.089	ug/L	99
54) o-xylene	9.55	106	421060	45.663	ug/L	98
55) Styrene	9.56	104	743837	46.284	ug/L	99
56) Isopropylbenzene	9.94	105	1153217	46.944	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	385848	46.137	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	322716	47.377	ug/L	99
61) Bromoform	9.74	173	161782	39.531	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	505301	44.528	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	514218	44.749	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	507550	45.263	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	95027	40.598	ug/L	89
67) 1,3,5-Trichlorobenzene	12.65	180	370073	46.157	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	336552	44.894	ug/L	100
69) Naphthalene	13.51	128	1090869	41.908	ug/L	99
70) 1,2,3-Trichlorobenzene	13.75	180	327119	44.652	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.733 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

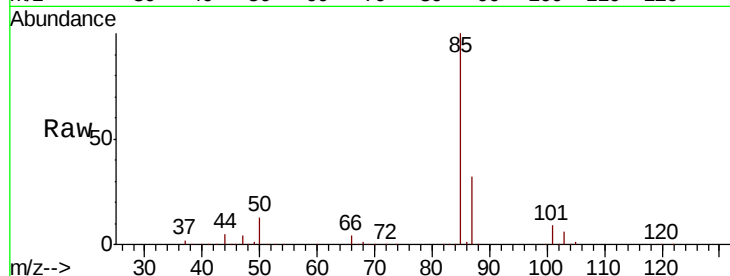
BFB69

Tot Ion: 85 Resp: 275431

Ion Ratio Lower Upper

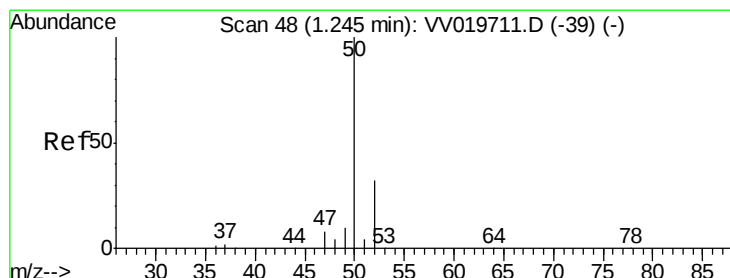
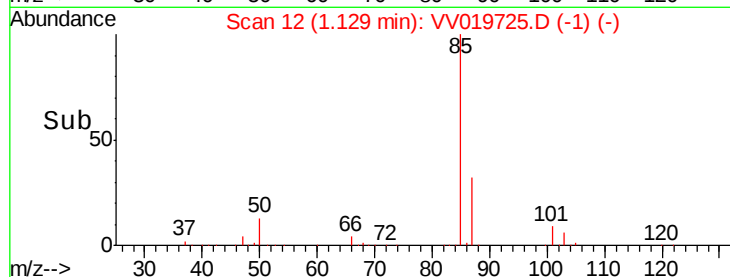
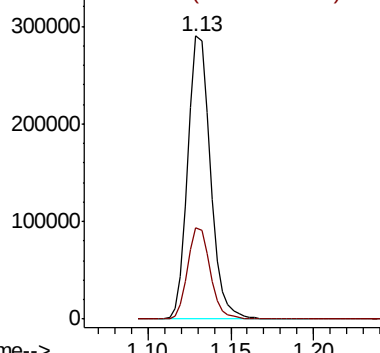
85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 45.408 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019725.D

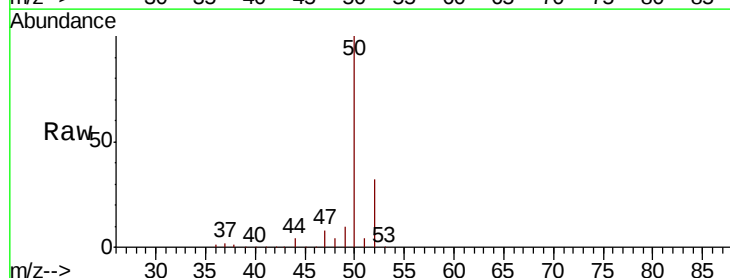
Acq: 19 Dec 2020 09:27

Tgt Ion: 50 Resp: 297180

Ion Ratio Lower Upper

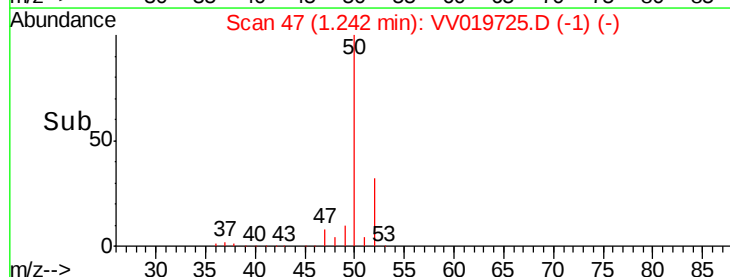
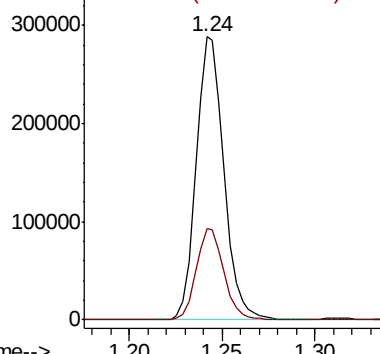
50 100

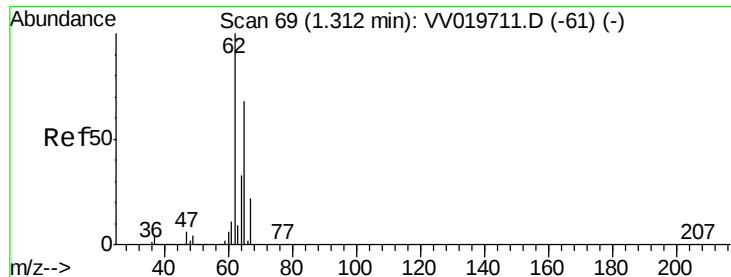
52 32.4 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 45.868 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

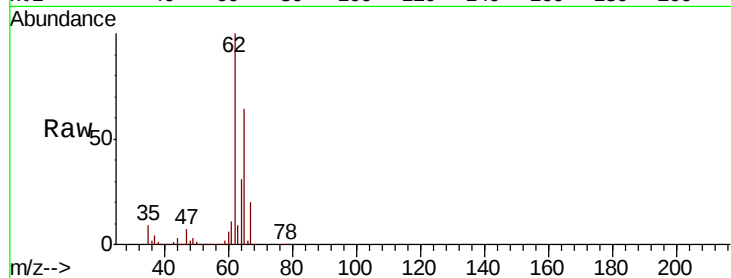
BFB69

Tot Ion: 62 Resp: 301107

Ion Ratio Lower Upper

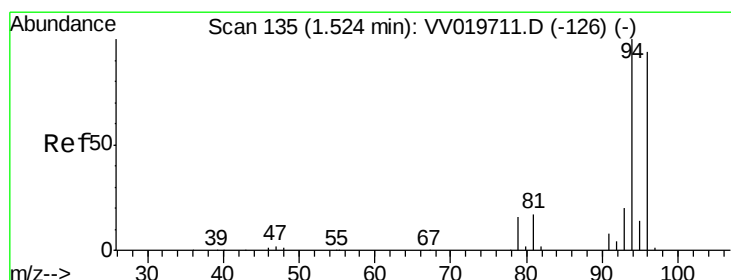
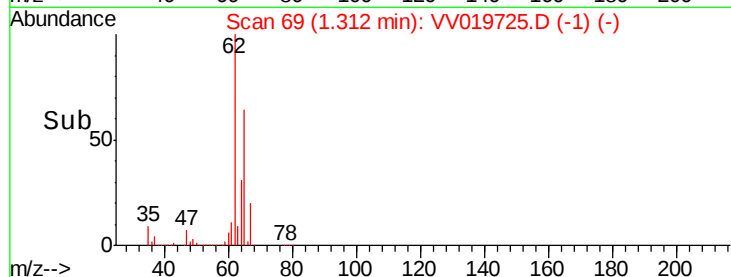
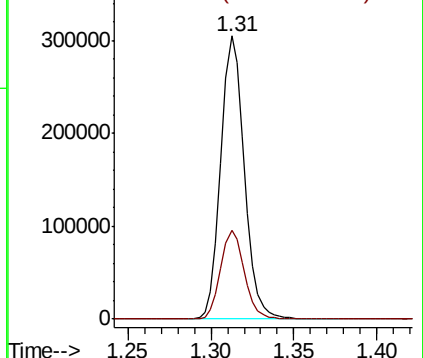
62 100

64 31.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 44.991 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019725.D

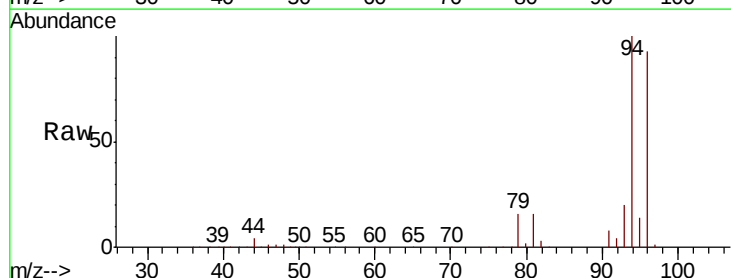
Acq: 19 Dec 2020 09:27

Tgt Ion: 94 Resp: 177371

Ion Ratio Lower Upper

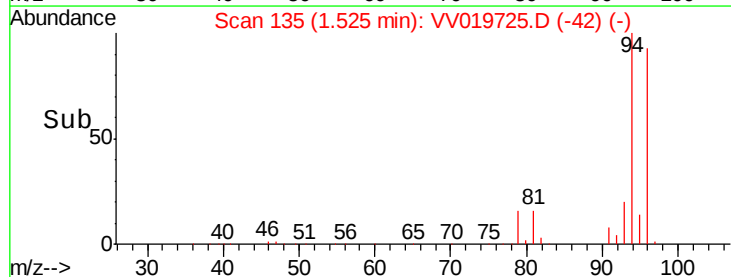
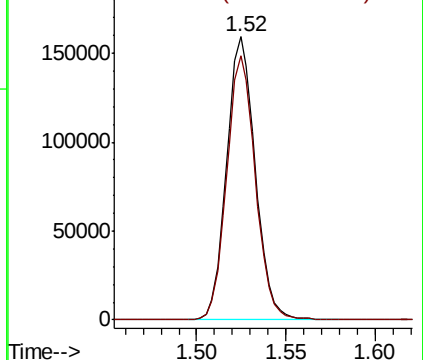
94 100

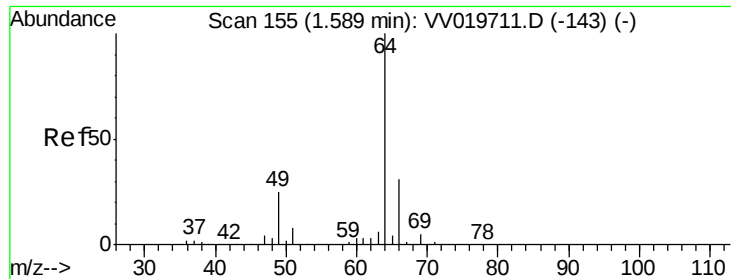
96 93.3 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 45.889 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

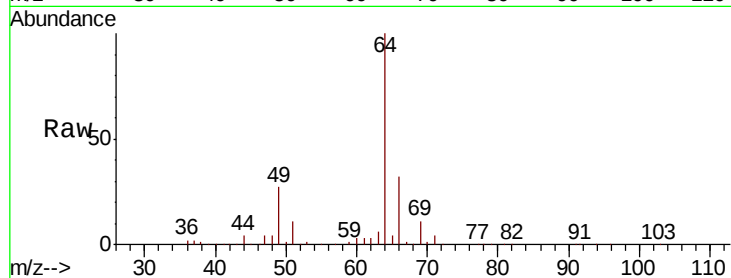
BFB69

Tot Ion: 64 Resp: 181704

Ion Ratio Lower Upper

64 100

66 31.9 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019711.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV019711.D (-143) (-)

1.59

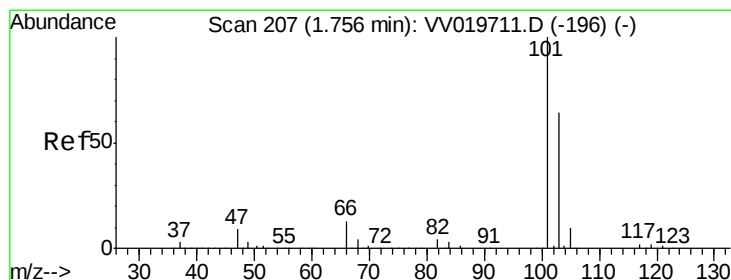
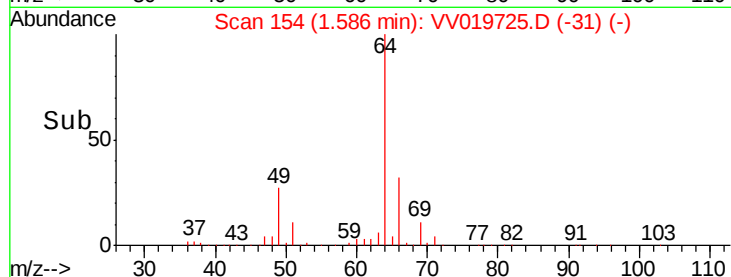
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 47.210 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV019725.D

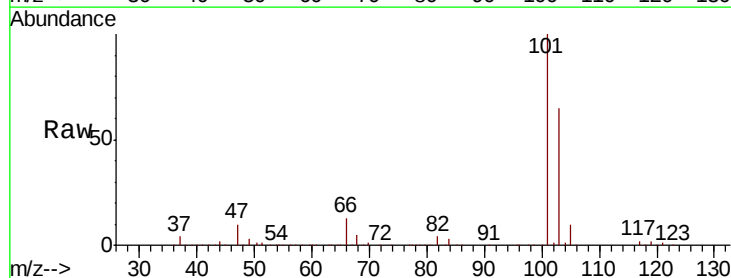
Acq: 19 Dec 2020 09:27

Tgt Ion: 101 Resp: 378650

Ion Ratio Lower Upper

101 100

103 63.6 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019711.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019711.D (-196) (-)

1.75

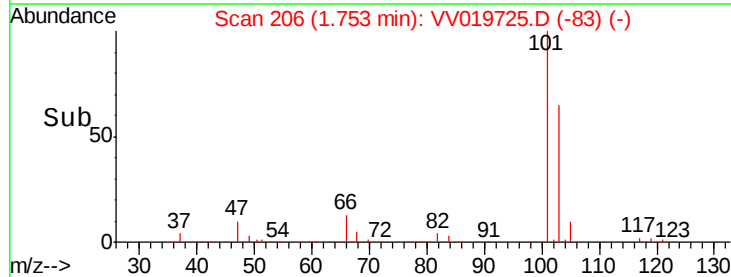
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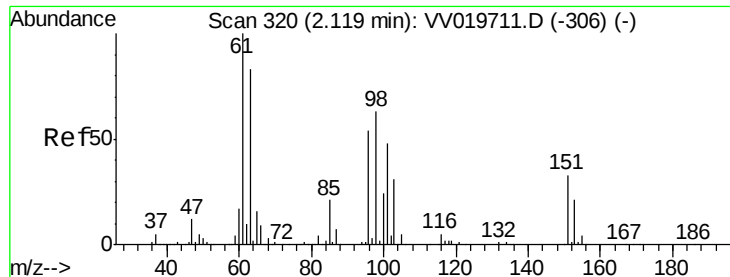
200000

100000

0

Time-->





#10

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

Concen: 48.939 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampled :

BFB69

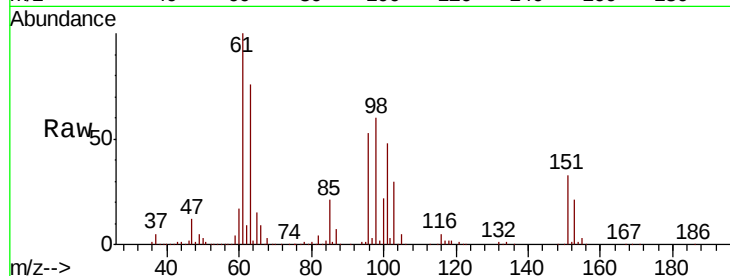
Tot Ion:101 Resp: 216765

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

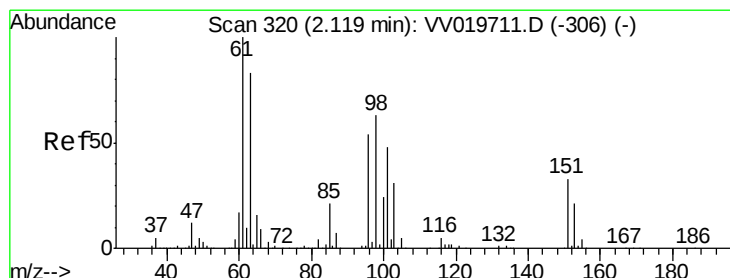
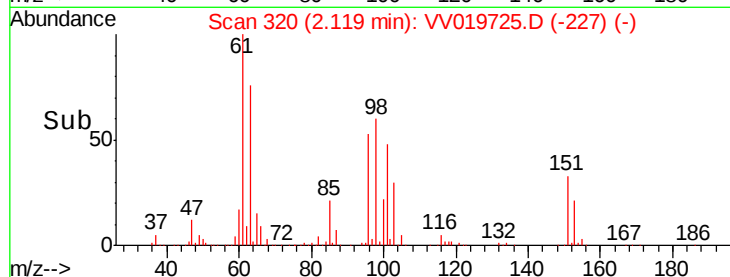
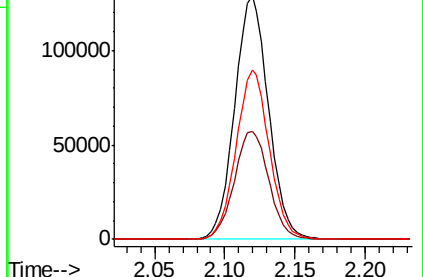
151 68.5 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019725.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019725.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019725.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 46.052 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

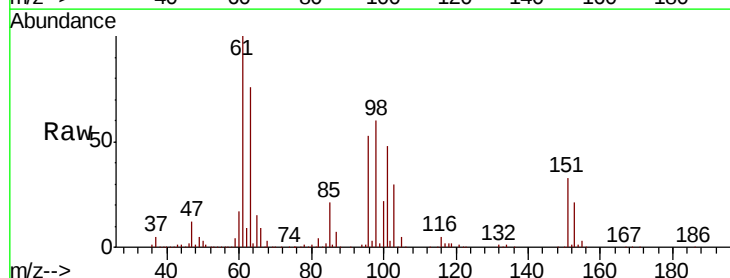
Tgt Ion: 96 Resp: 209318

Ion Ratio Lower Upper

96 100

61 187.5 120.7 224.1

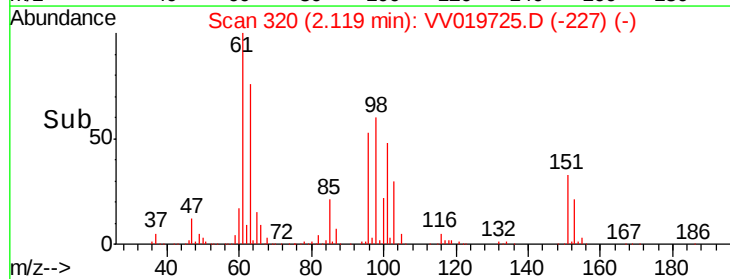
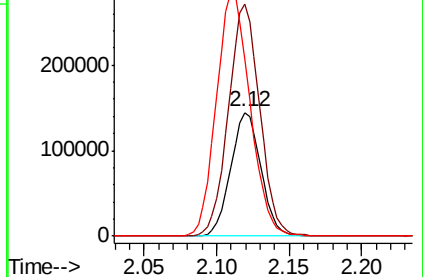
63 142.9 64.3 119.5#

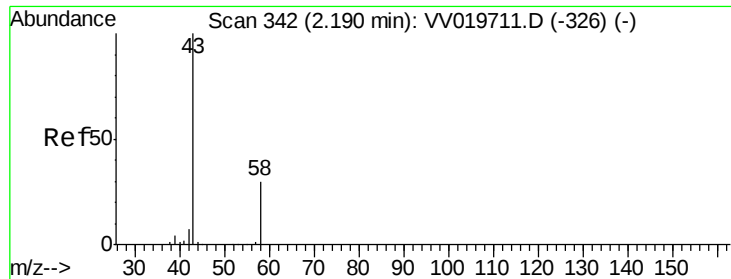


Abundance Ion 96.00 (95.70 to 96.70): VV019725.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019725.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019725.D (-227) (-)





#13

Acetone

Concen: 102.025 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

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Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

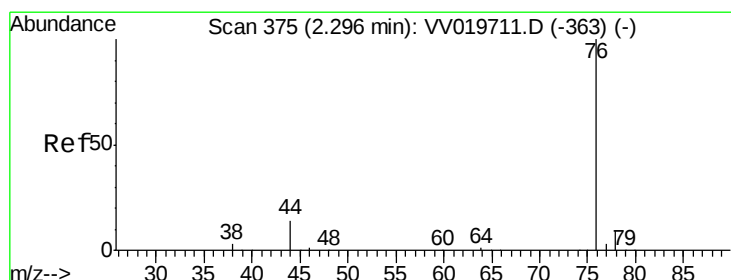
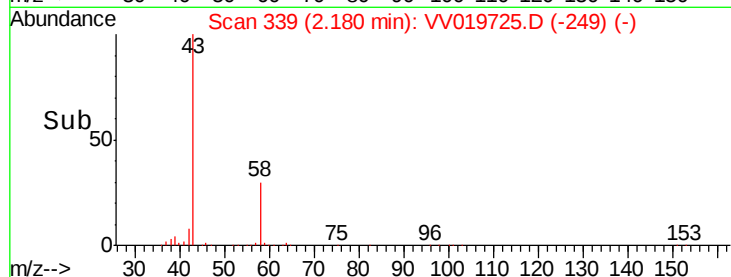
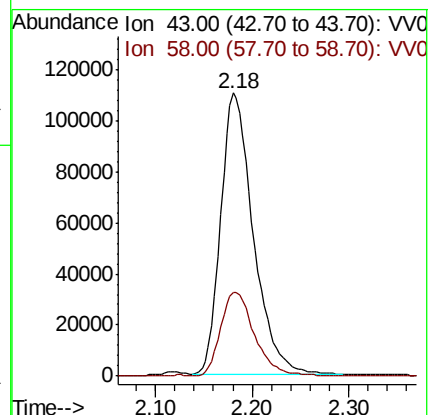
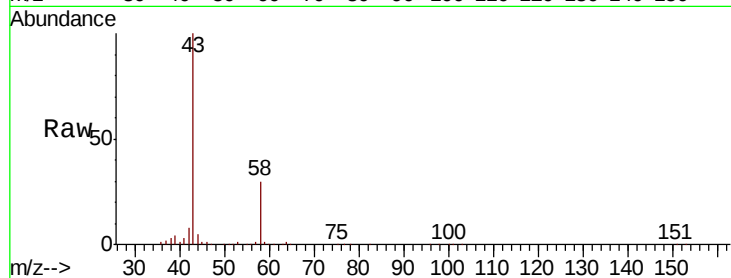
BFB69

Tot Ion: 43 Resp: 258460

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.6



#14

Carbon disulfide

Concen: 41.646 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019725.D

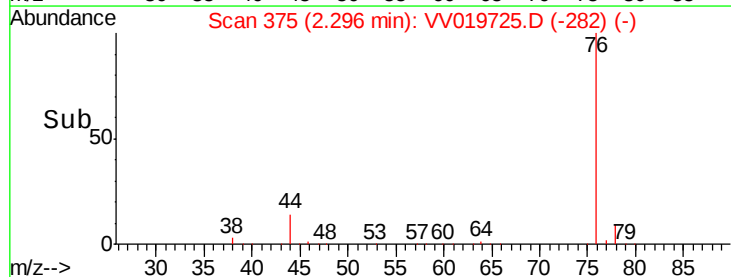
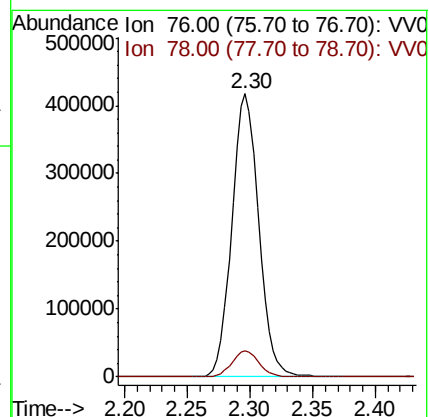
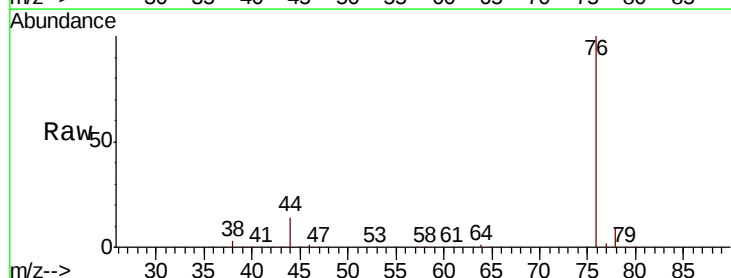
Acq: 19 Dec 2020 09:27

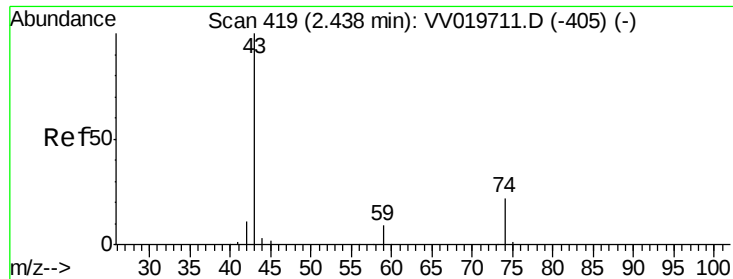
Tgt Ion: 76 Resp: 621972

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

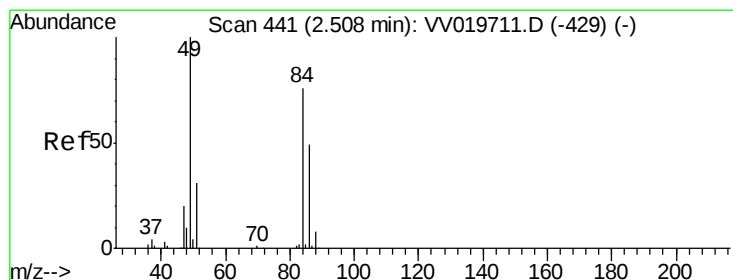
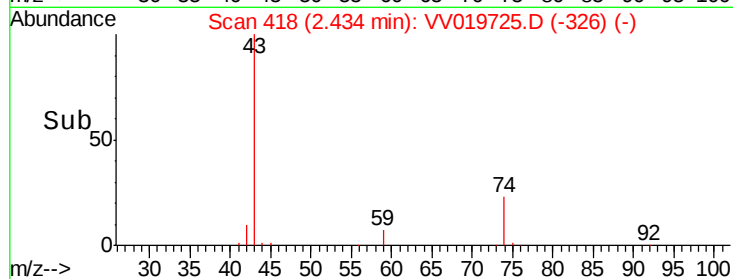
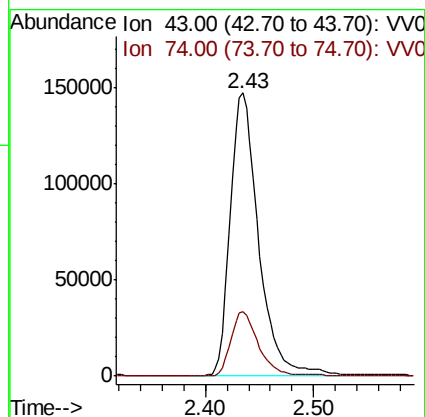
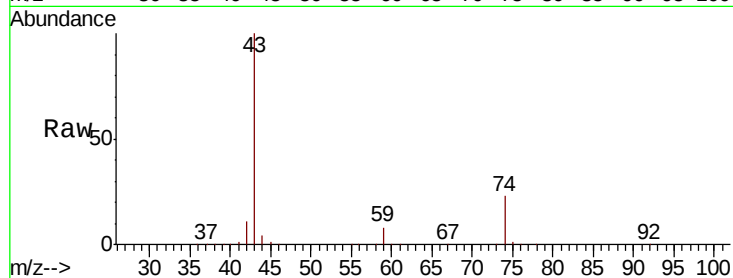




#15
Methyl Acetate
Concen: 48.697 ug/L
RT: 2.43 min Scan# 418
Delta R.T. -0.00 min
Lab File: VV019725.D
Acq: 19 Dec 2020 09:27

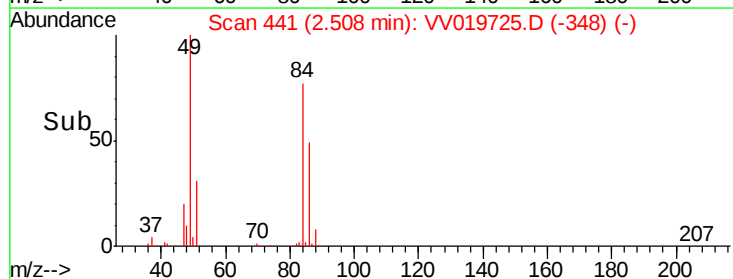
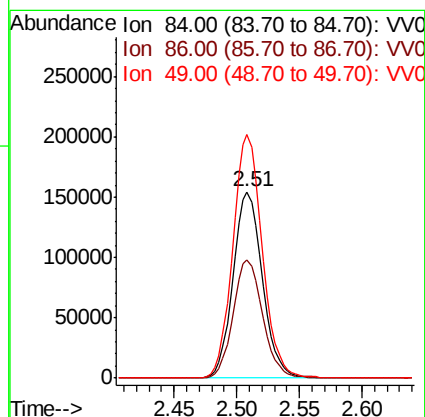
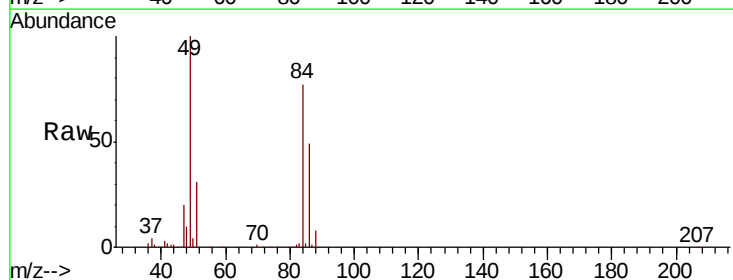
Instrument :
MSVOA_V
ClientSampled :
BFB69

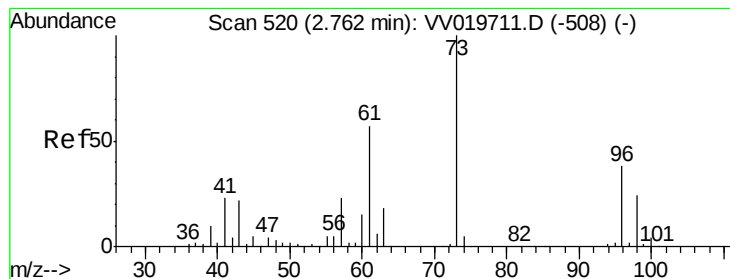
Tot Ion: 43 Resp: 268777
Ion Ratio Lower Upper
43 100
74 22.3 18.2 27.4



#16
Methylene chloride
Concen: 47.171 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019725.D
Acq: 19 Dec 2020 09:27

Tgt Ion: 84 Resp: 251379
Ion Ratio Lower Upper
84 100
86 63.7 45.7 84.9
49 130.6 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 45.833 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

BFB69

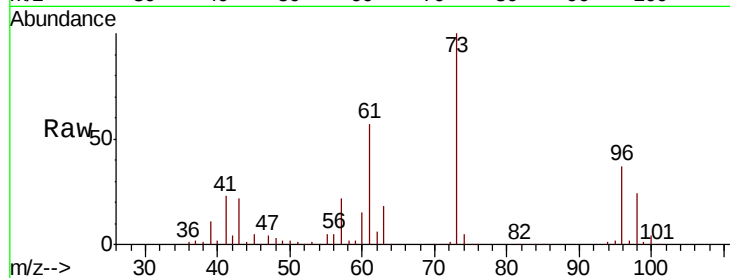
Tot Ion: 96 Resp: 228336

Ion Ratio Lower Upper

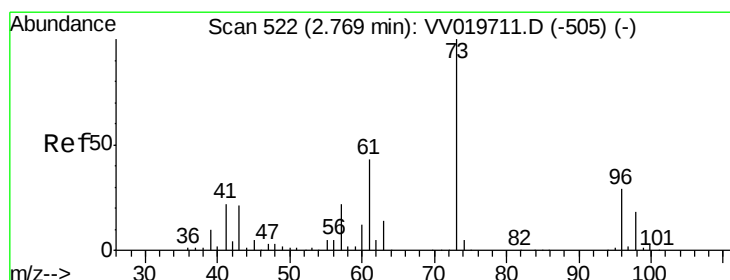
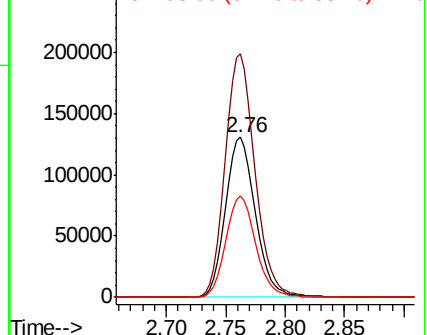
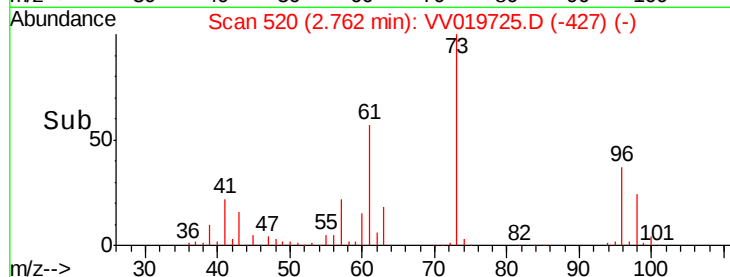
96 100

61 152.2 103.5 192.1

98 63.3 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV019725.D (-427) (-)



#18

Methyl tert-butyl Ether

Concen: 45.548 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

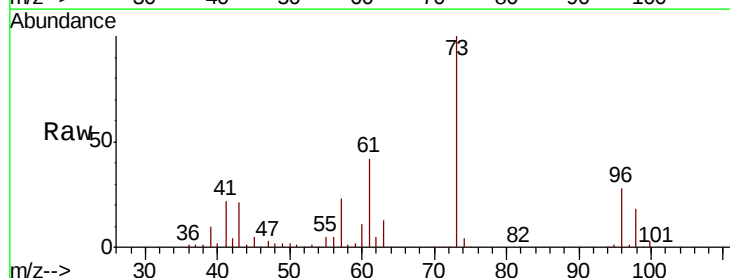
Tgt Ion: 73 Resp: 792916

Ion Ratio Lower Upper

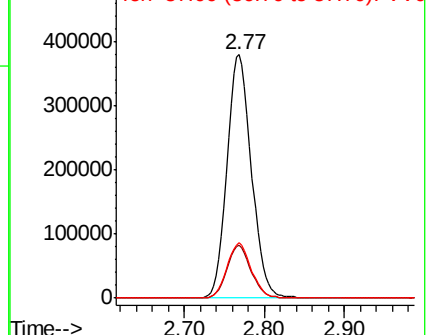
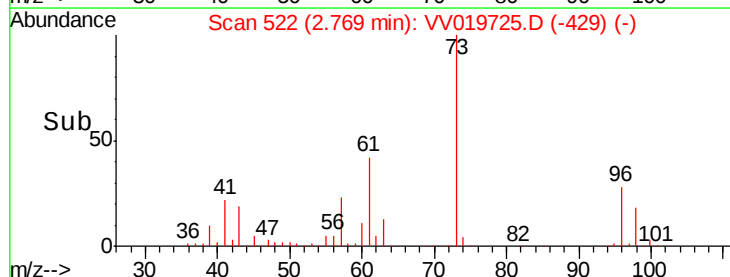
73 100

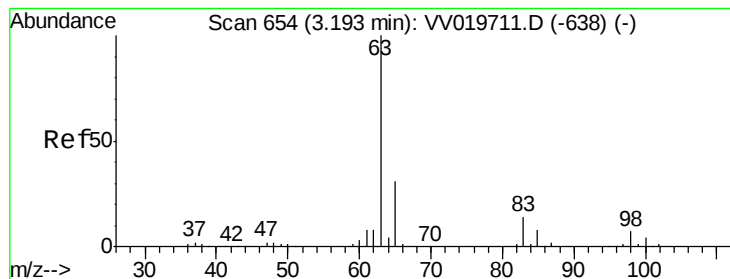
43 21.1 17.3 25.9

57 22.5 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VV019725.D (-429) (-)





#19

1,1-Dichloroethane

Concen: 47.810 ug/L

RT: 3.19 min Scan# 653

Delta R.T. -0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampled :

BFB69

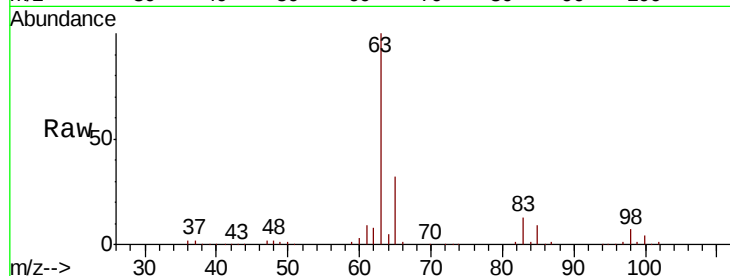
Tot Ion: 63 Resp: 461771

Ion Ratio Lower Upper

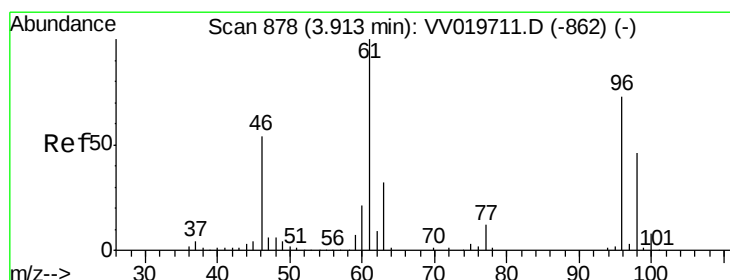
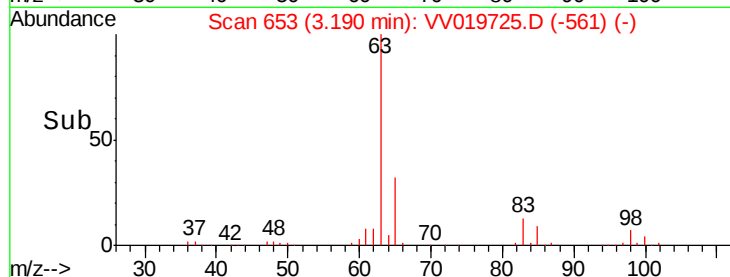
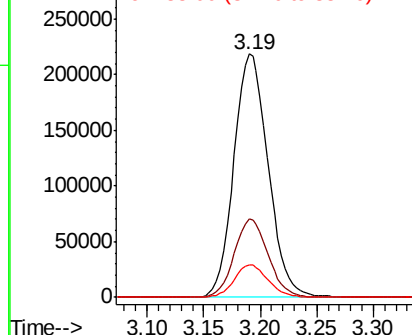
63 100

65 32.1 22.4 41.6

83 13.4 9.6 17.8



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: 46.184 ug/L

RT: 3.91 min Scan# 878

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

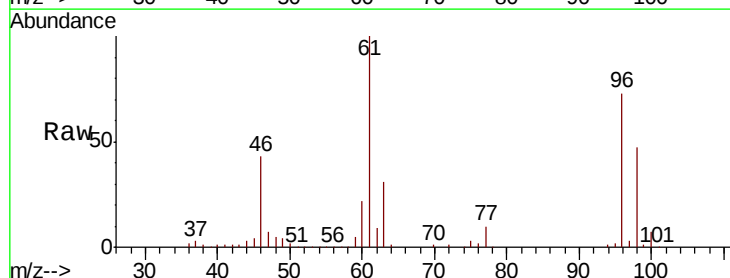
Tgt Ion: 96 Resp: 252931

Ion Ratio Lower Upper

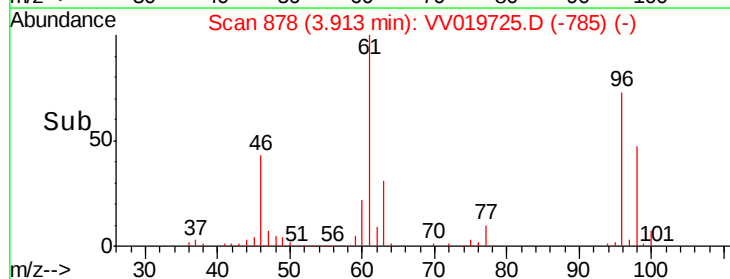
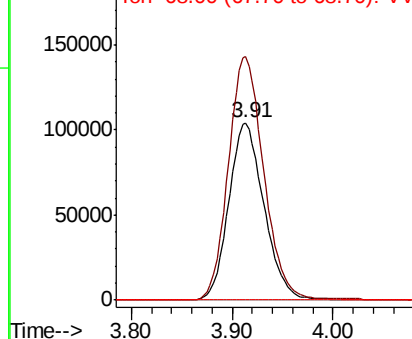
96 100

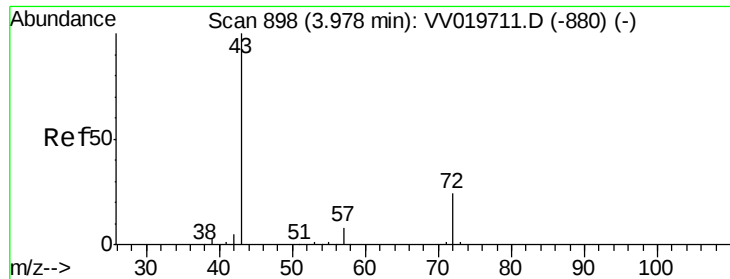
61 137.1 94.1 174.8

68 0.0 0.1 0.1#



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: 103.720 ug/L

RT: 3.97 min Scan# 896

Delta R.T. -0.01 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

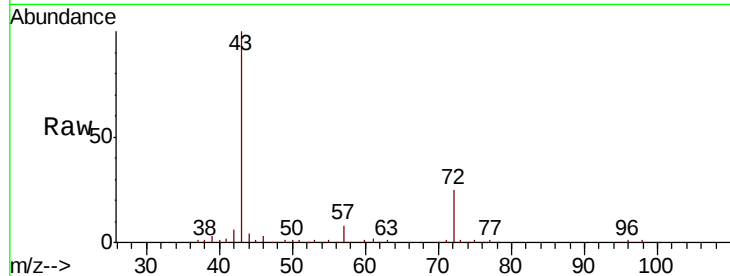
BFB69

Tot Ion: 43 Resp: 385424

Ion Ratio Lower Upper

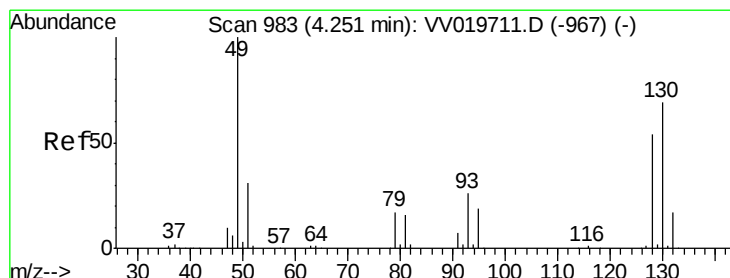
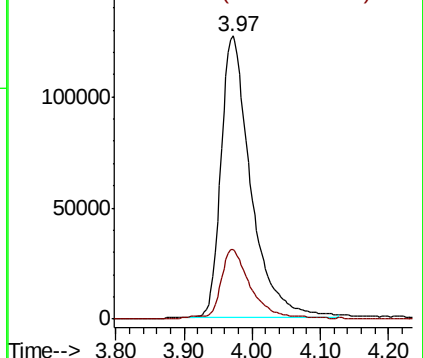
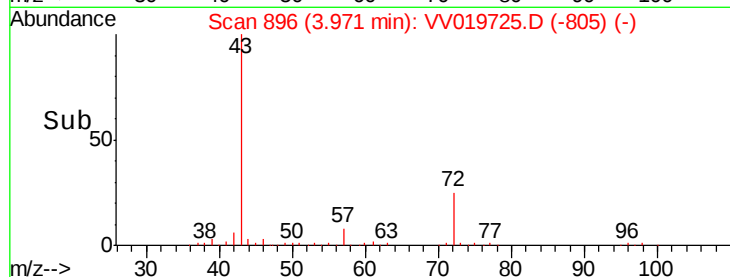
43 100

72 22.7 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019725.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV019725.D (-805) (-)



#23

Bromochloromethane

Concen: 45.352 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Tgt Ion:128 Resp: 122207

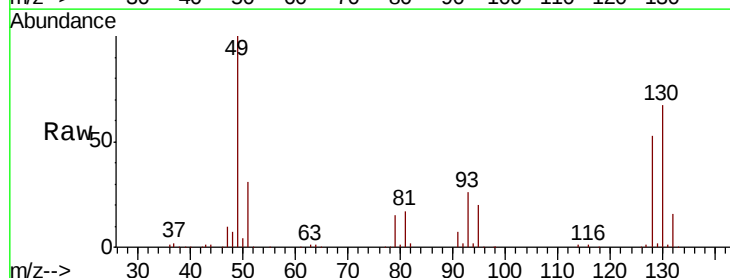
Ion Ratio Lower Upper

128 100

49 190.0 127.0 235.8

130 128.2 90.3 167.7

51 58.0 44.5 66.7

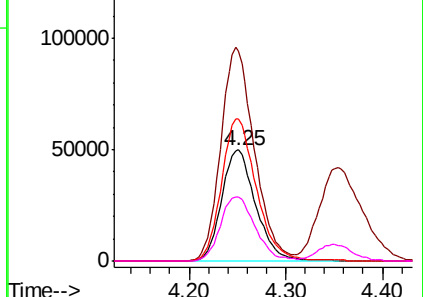
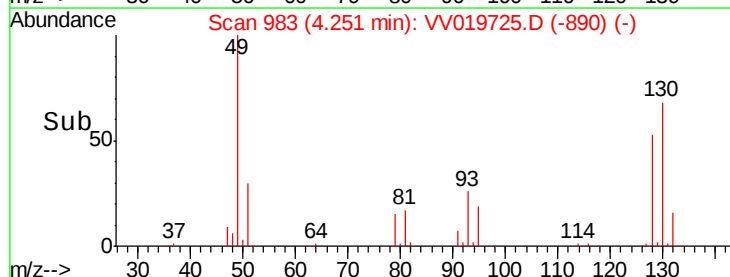


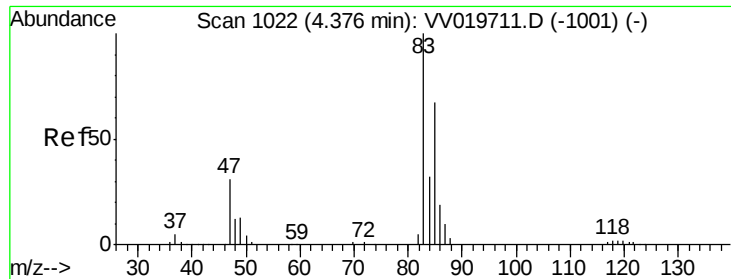
Abundance Ion 128.00 (127.70 to 128.70): VV019725.D (-890) (-)

Ion 49.00 (48.70 to 49.70): VV019725.D (-890) (-)

Ion 130.00 (129.70 to 130.70): VV019725.D (-890) (-)

Ion 51.00 (50.70 to 51.70): VV019725.D (-890) (-)

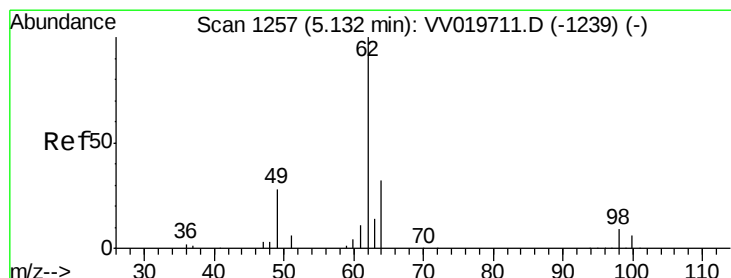
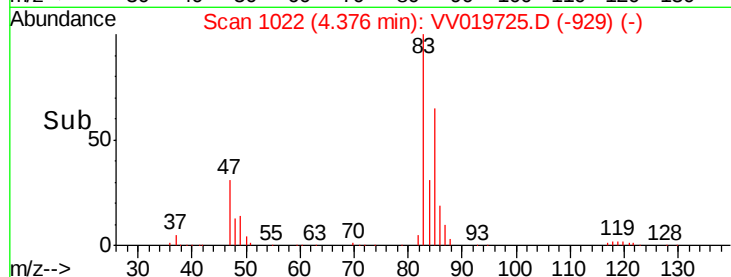
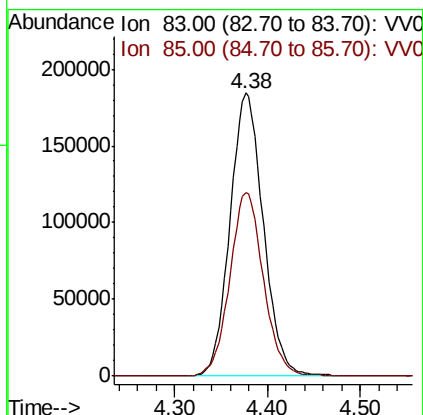
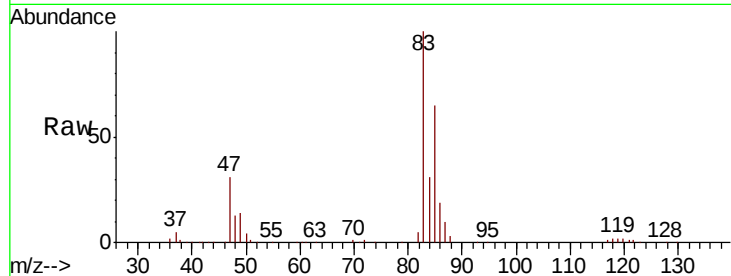




#25
Chloroform
Concen: 47.599 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VV019725.D
Acq: 19 Dec 2020 09:27

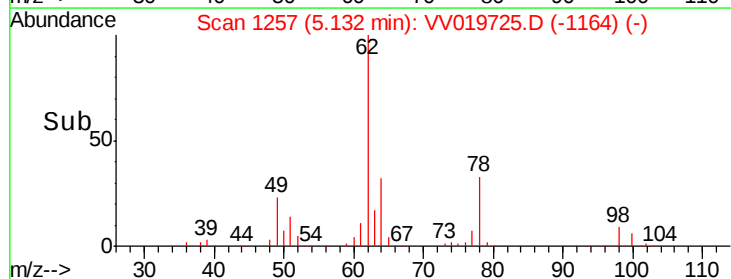
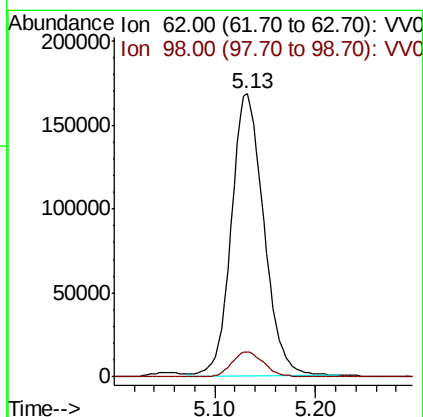
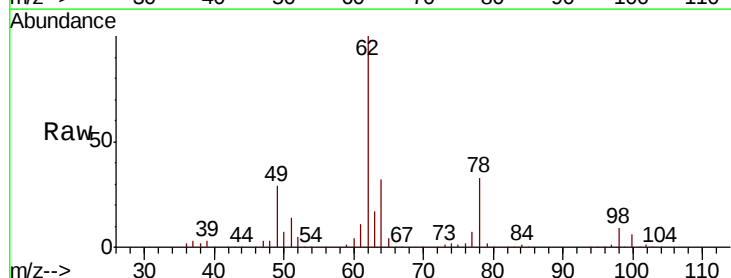
Instrument :
MSVOA_V
ClientSampleId :
BFB69

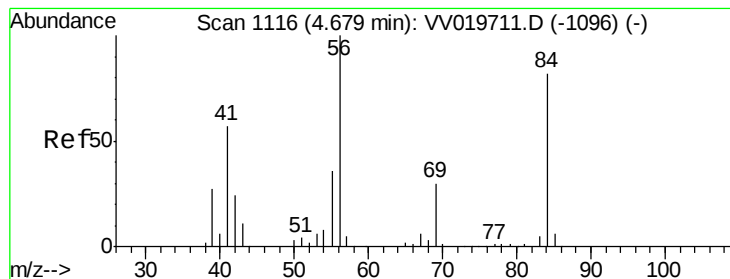
Tot Ion: 83 Resp: 459147
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 47.053 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VV019725.D
Acq: 19 Dec 2020 09:27

Tgt Ion: 62 Resp: 376018
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.0





#29

Cyclohexane

Concen: 46.423 ug/L

RT: 4.68 min Scan# 1116

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

BFB69

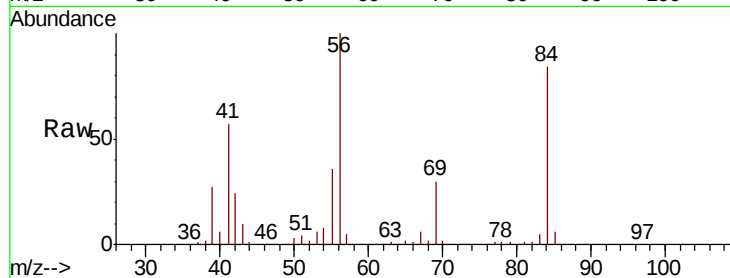
Tot Ion: 56 Resp: 408245

Ion Ratio Lower Upper

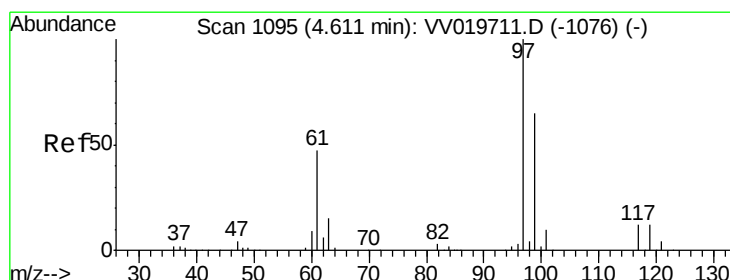
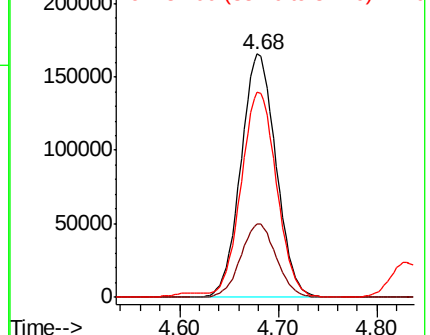
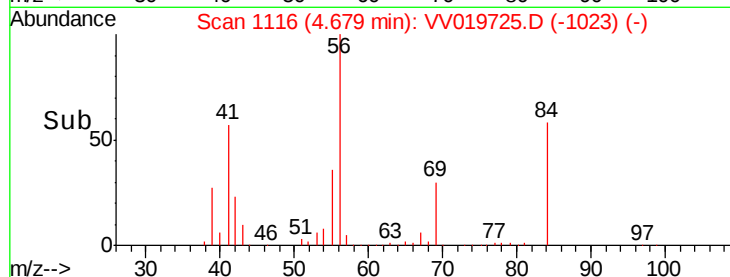
56 100

69 30.5 24.6 37.0

84 85.2 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VV019725.D (-1023) (-)



#30

1,1,1-Trichloroethane

Concen: 44.318 ug/L

RT: 4.61 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

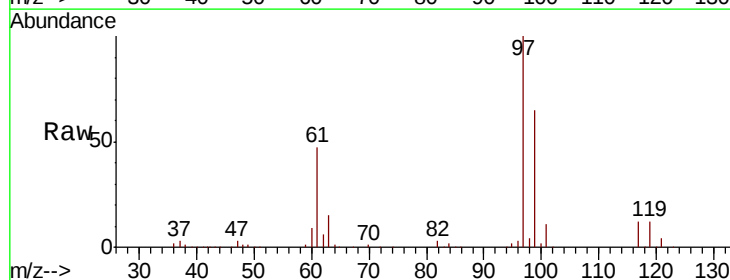
Tgt Ion: 97 Resp: 398722

Ion Ratio Lower Upper

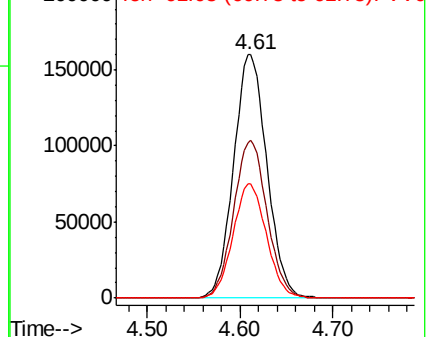
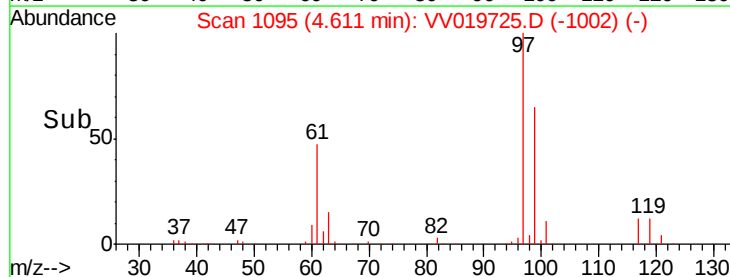
97 100

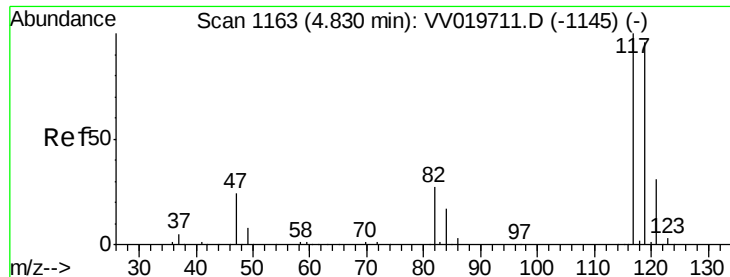
99 65.0 51.3 76.9

61 47.4 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VV019725.D (-1002) (-)





#31

Carbon tetrachloride

Concen: 43.957 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

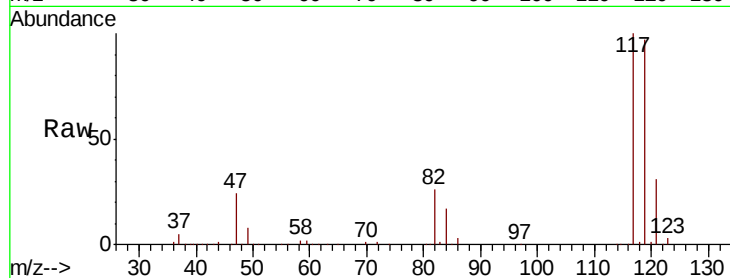
BFB69

Tot Ion:117 Resp: 333849

Ion Ratio Lower Upper

117 100

119 96.3 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

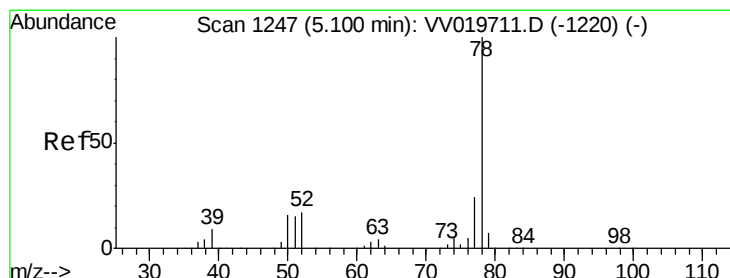
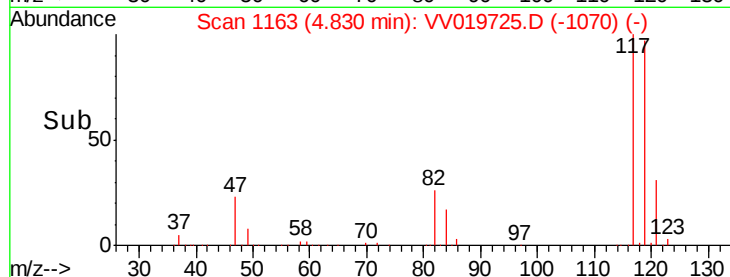
100000

50000

0

4.75 4.80 4.85 4.90

Time-->



#33

Benzene

Concen: 46.630 ug/L

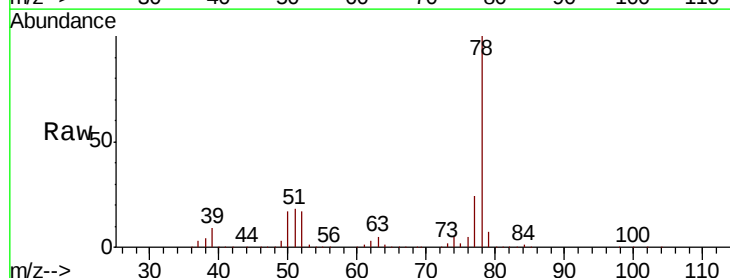
RT: 5.10 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Tgt Ion: 78 Resp: 977837



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

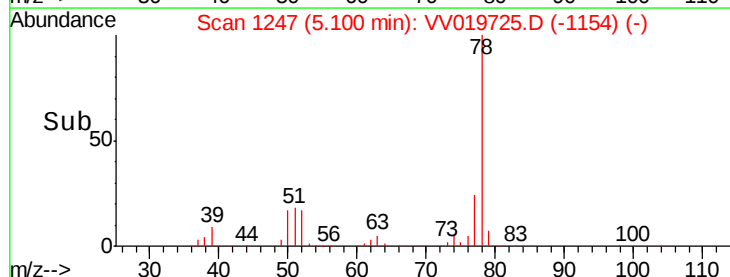
200000

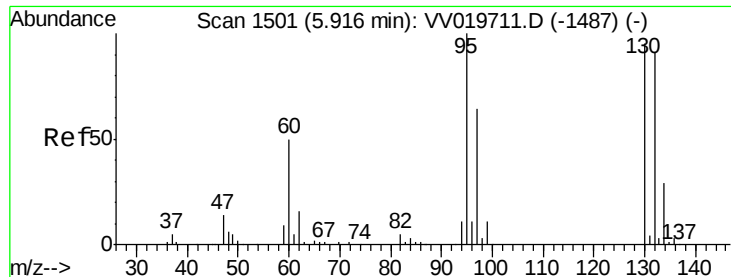
100000

0

5.00 5.10 5.20

Time-->

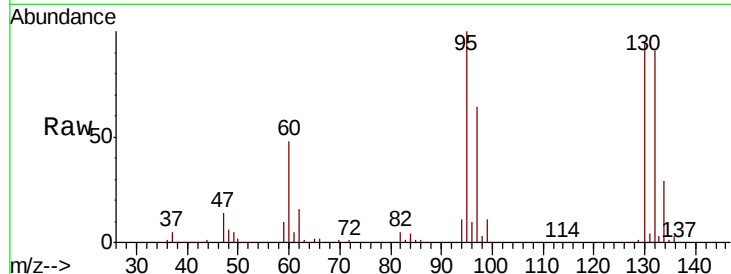




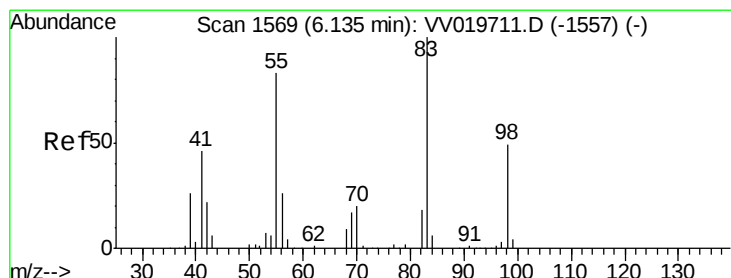
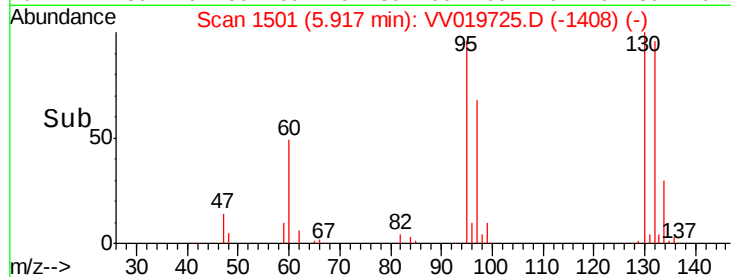
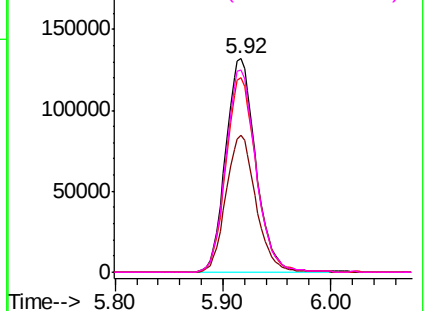
#34
 Trichloroethene
 Concen: 46.061 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

Tot Ion:	95	Resp:	255157
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.4	82.4
132	91.0	64.3	119.3
130	94.9	67.8	125.8

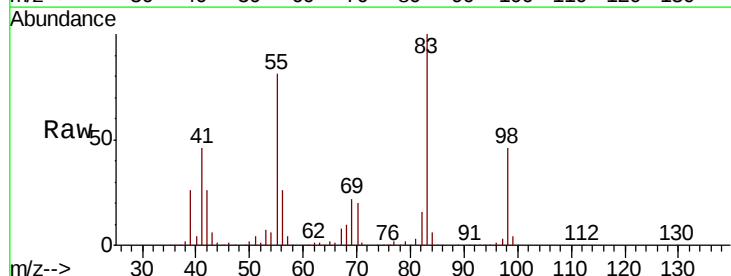


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

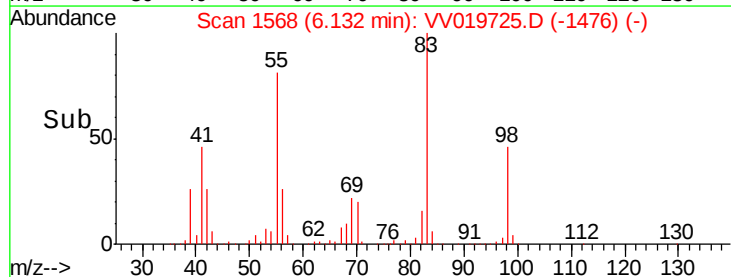
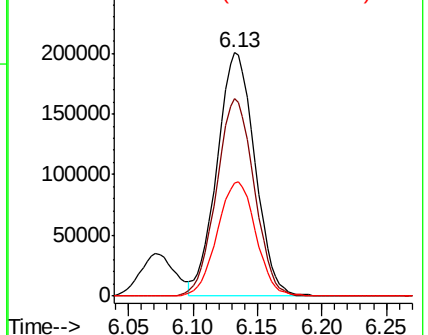


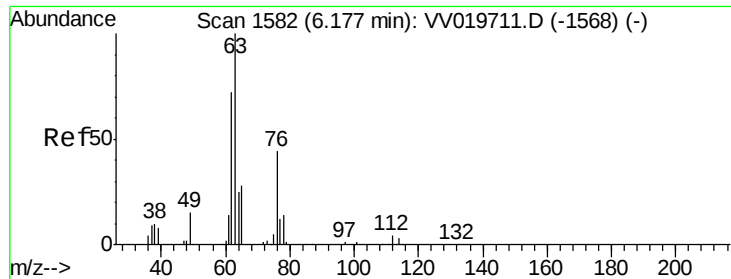
#35
 Methylcyclohexane
 Concen: 48.420 ug/L
 RT: 6.13 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

Tgt Ion:	83	Resp:	407475
Ion	Ratio	Lower	Upper
83	100		
55	80.7	64.2	96.4
98	47.9	39.3	58.9



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

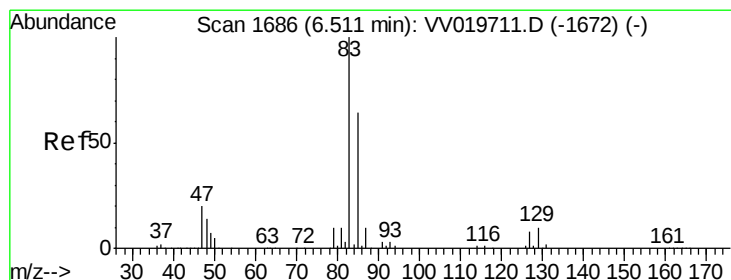
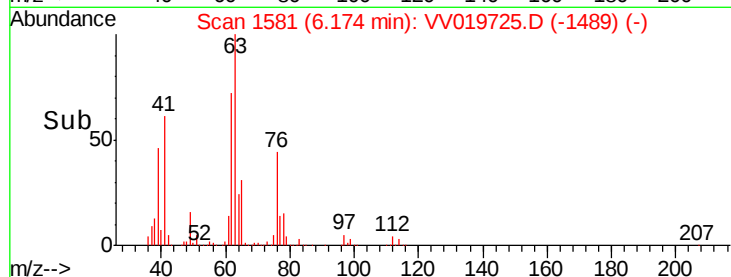
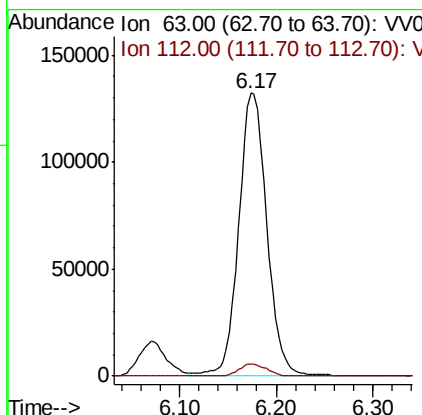
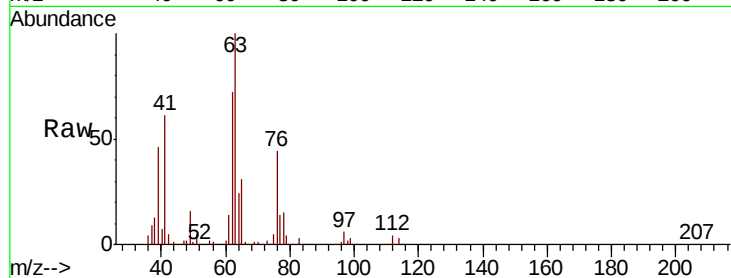




#37
 1,2-Dichloropropane
 Concen: 48.630 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

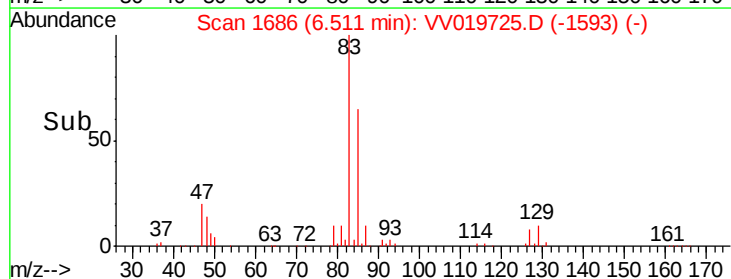
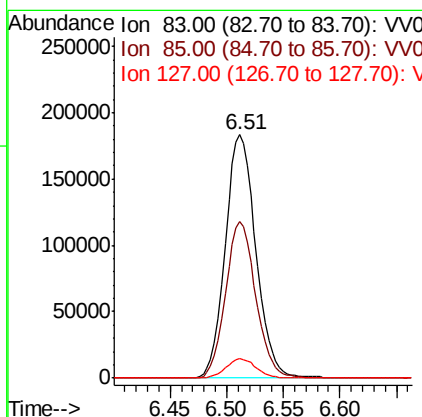
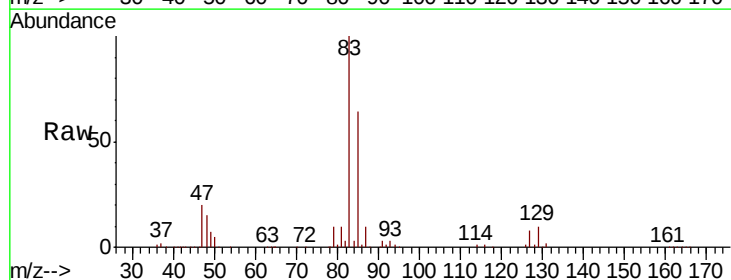
Instrument :
 MSVOA_V
 ClientSampled :
 BFB69

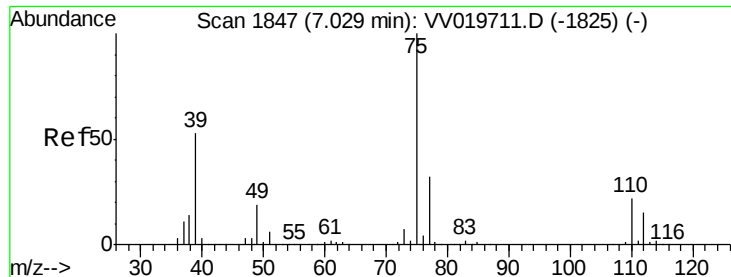
Tot Ion: 63 Resp: 266313
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 45.105 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

Tgt Ion: 83 Resp: 345399
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.9 83.5
 127 7.8 6.7 10.1

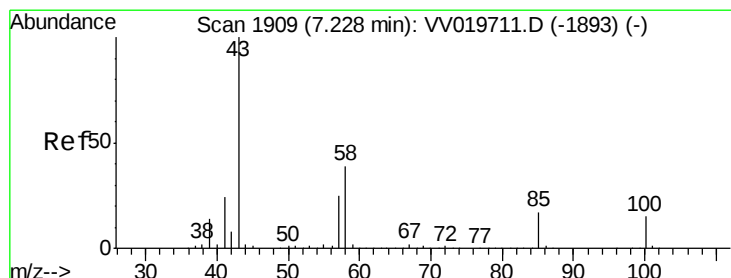
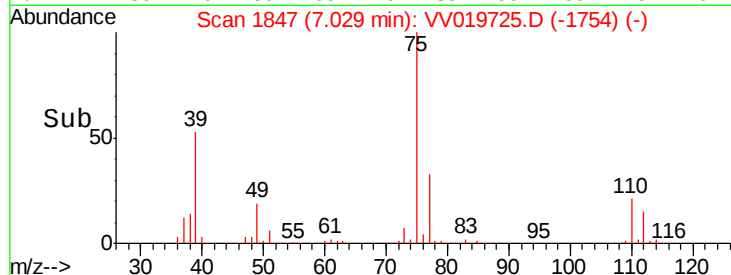
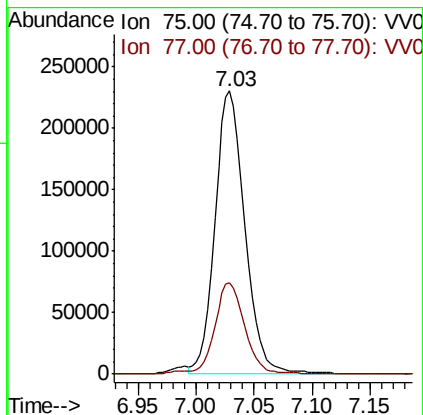
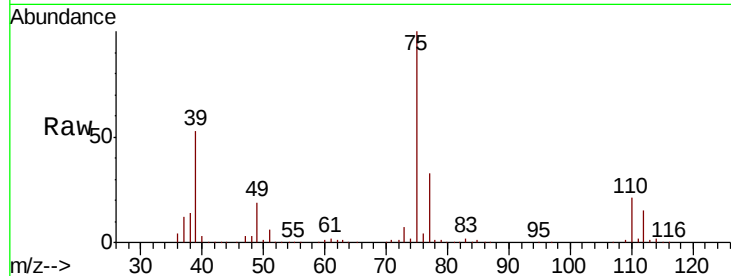




#39
 cis-1,3-Dichloropropene
 Concen: 45.410 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

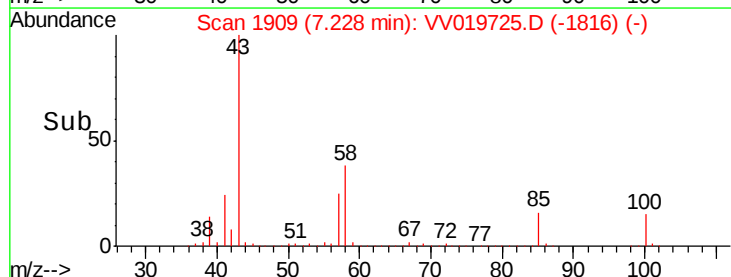
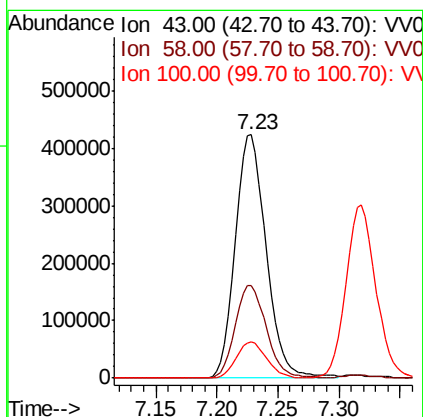
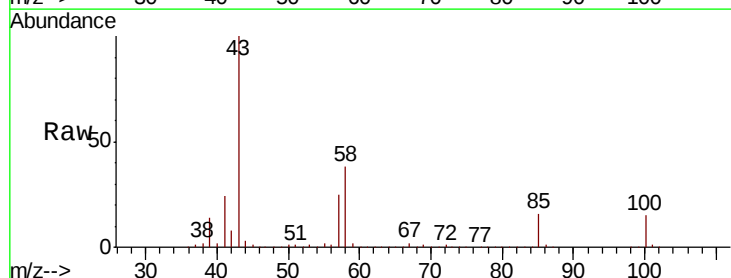
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

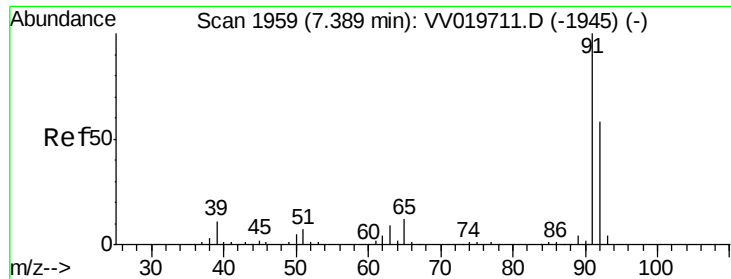
Tot Ion: 75 Resp: 413021
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 94.037 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

Tgt Ion: 43 Resp: 742966
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.7 47.5
 100 14.6 12.5 18.7





#42

Toluene

Concen: 46.507 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

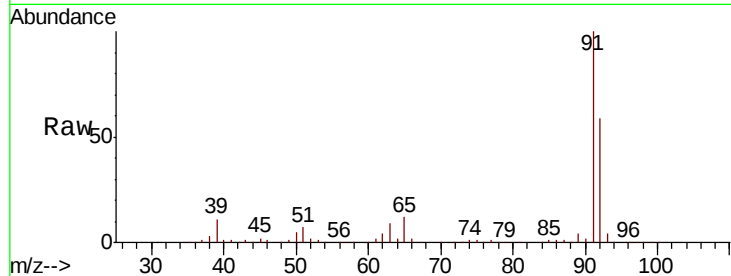
BFB69

Tot Ion: 91 Resp: 1027876

Ion Ratio Lower Upper

91 100

92 58.7 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.39

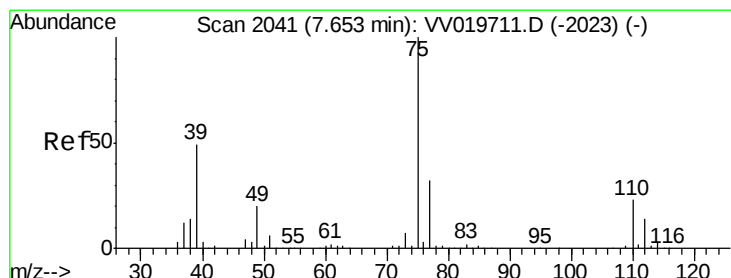
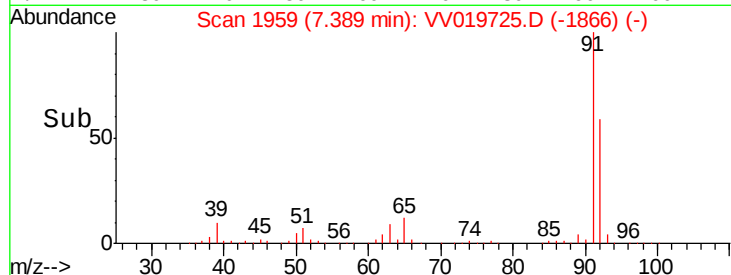
600000

400000

200000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 43.843 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019725.D

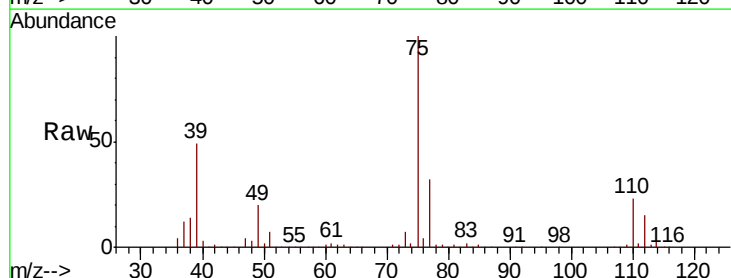
Acq: 19 Dec 2020 09:27

Tgt Ion: 75 Resp: 403773

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.65

250000

200000

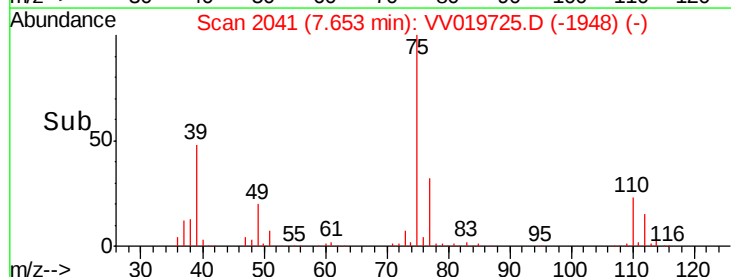
150000

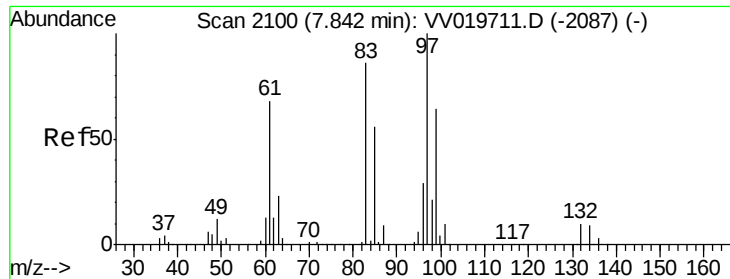
100000

50000

0

Time--> 7.50 7.60 7.70 7.80

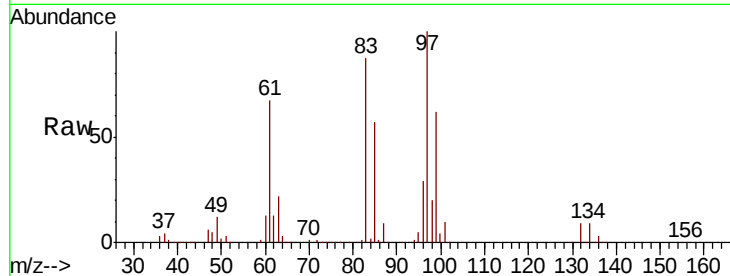




#45
 1,1,2-Trichloroethane
 Concen: 45.946 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

Tot Ion:	97	Resp:	238937
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.1	81.9
83	86.5	60.0	111.4
85	56.8	38.6	71.8



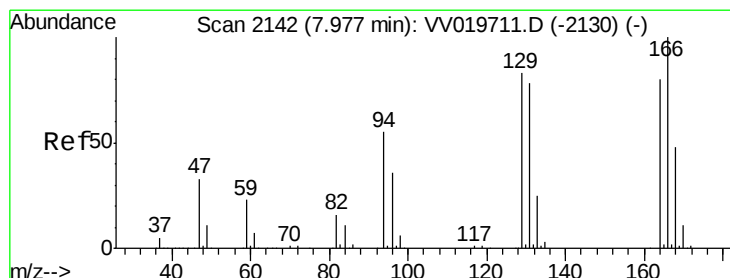
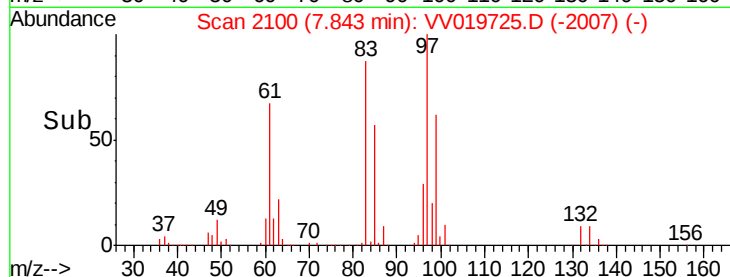
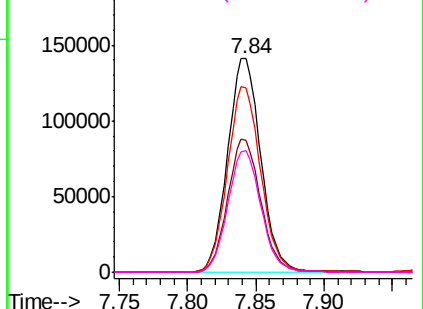
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

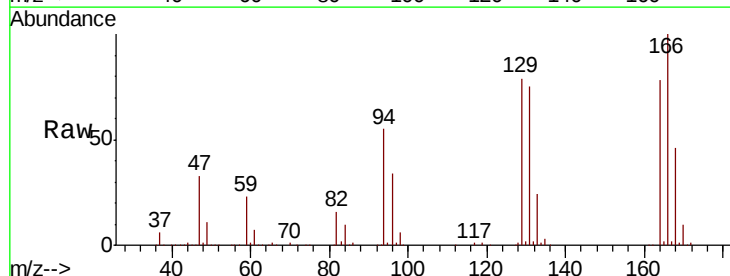
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 45.849 ug/L
 RT: 7.98 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

Tgt Ion:	164	Resp:	175743
Ion	Ratio	Lower	Upper
164	100		
129	101.8	70.6	131.0
131	97.1	68.0	126.4
166	128.6	86.9	161.5



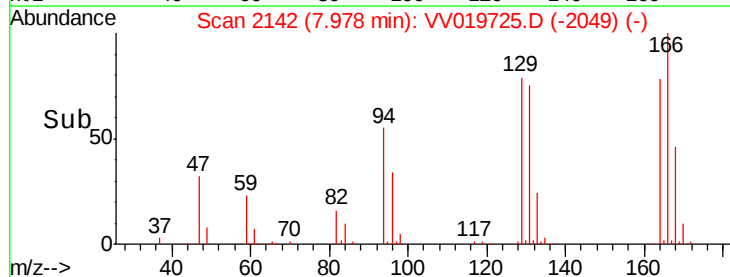
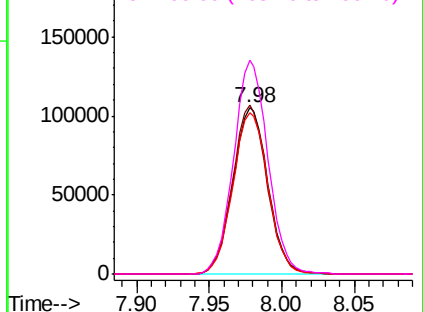
Abundance

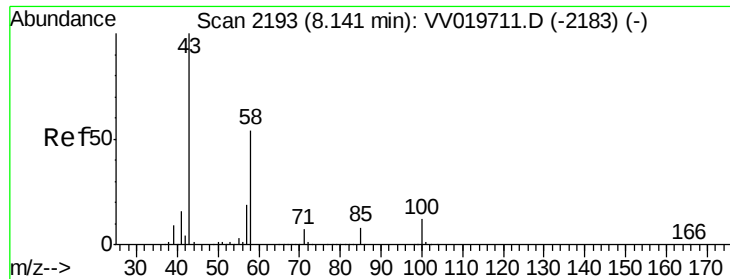
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

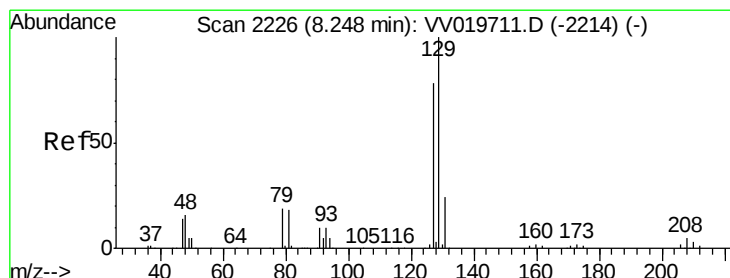
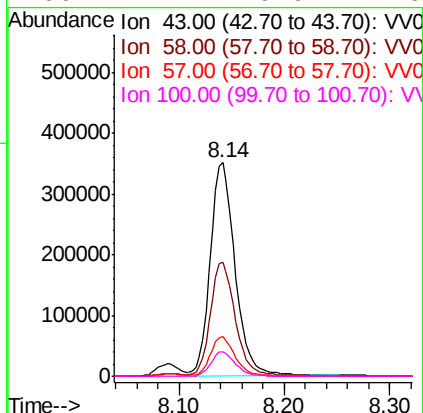
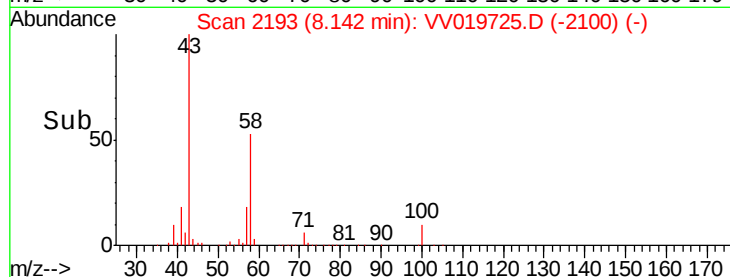
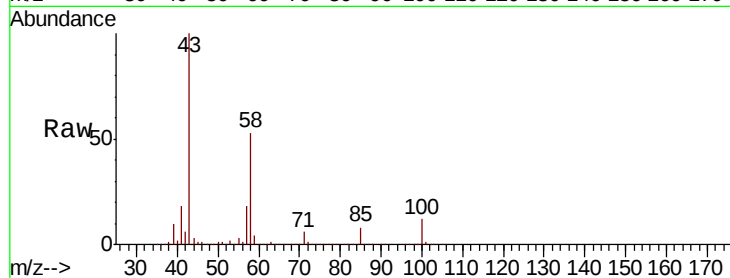




#48
2-Hexanone
Concen: 95.587 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019725.D
Acq: 19 Dec 2020 09:27

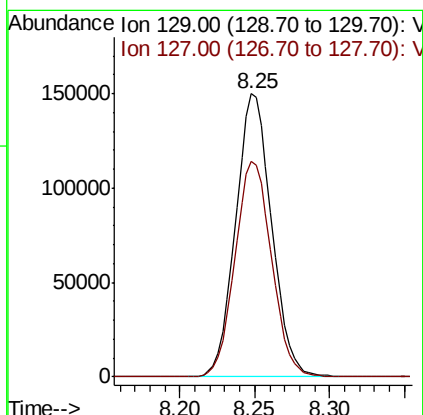
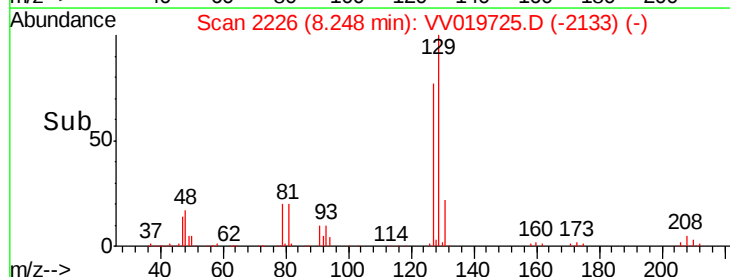
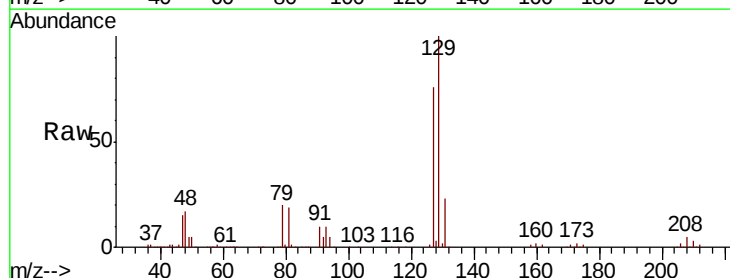
Instrument :
MSVOA_V
ClientSampleId :
BFB69

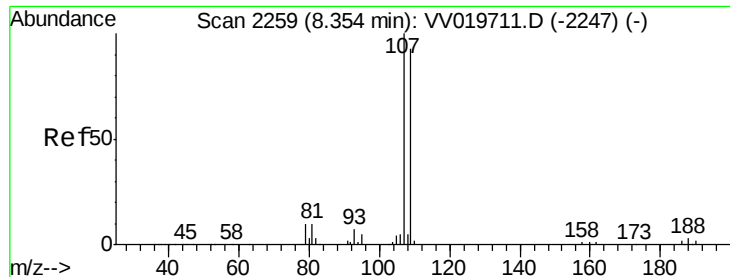
Tot Ion: 43 Resp: 573038
Ion Ratio Lower Upper
43 100
58 53.3 44.4 66.6
57 18.5 15.7 23.5
100 11.2 9.9 14.9



#49
Dibromochloromethane
Concen: 44.094 ug/L
RT: 8.25 min Scan# 2226
Delta R.T. 0.00 min
Lab File: VV019725.D
Acq: 19 Dec 2020 09:27

Tgt Ion: 129 Resp: 251122
Ion Ratio Lower Upper
129 100
127 76.1 54.2 100.6

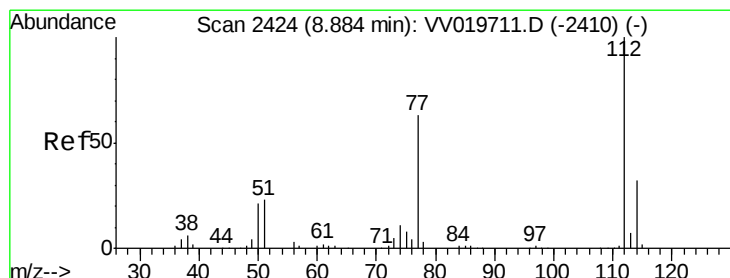
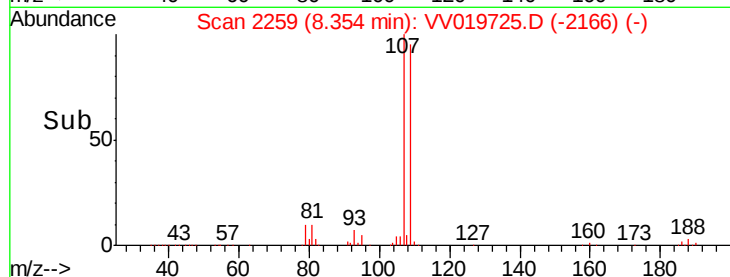
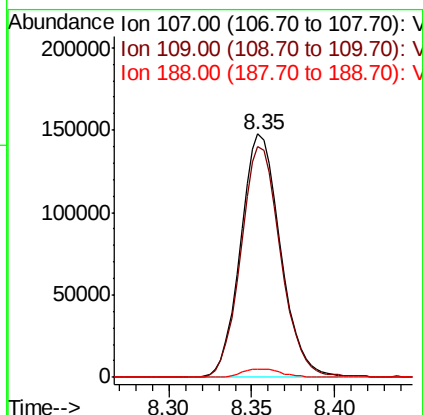
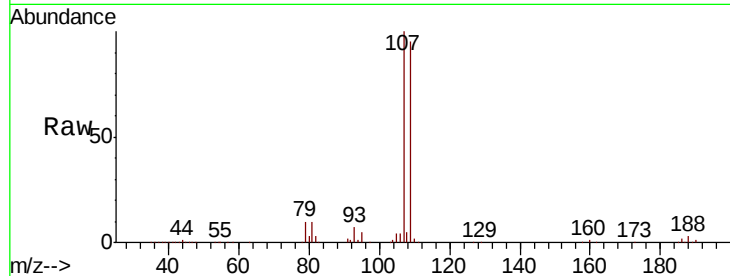




#50
1,2-Dibromoethane
Concen: 45.020 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VV019725.D
Acq: 19 Dec 2020 09:27

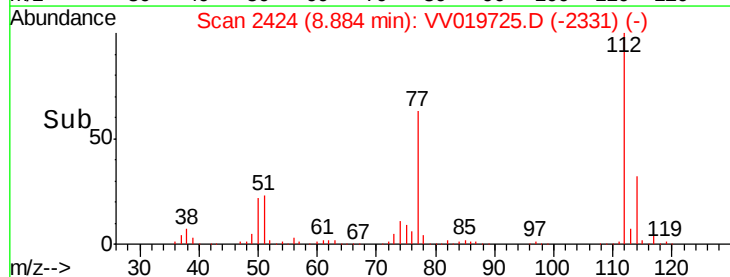
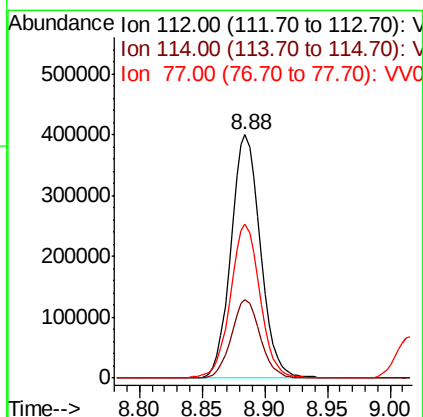
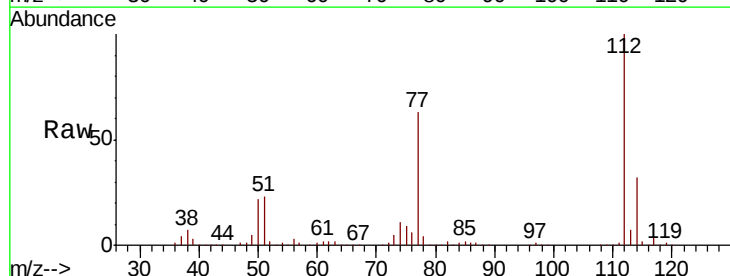
Instrument :
MSVOA_V
ClientSampleId :
BFB69

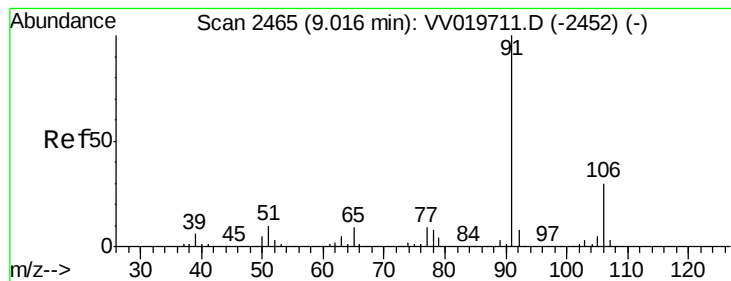
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.4	123.2
188	3.4	2.9	4.3



#51
Chlorobenzene
Concen: 46.168 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. 0.00 min
Lab File: VV019725.D
Acq: 19 Dec 2020 09:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.2	41.2
77	63.1	50.6	75.8





#52

Ethylbenzene

Concen: 46.615 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

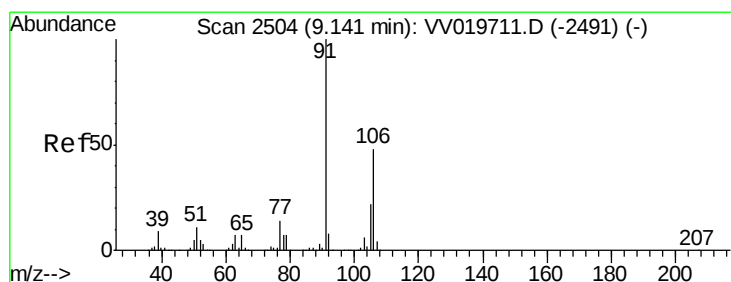
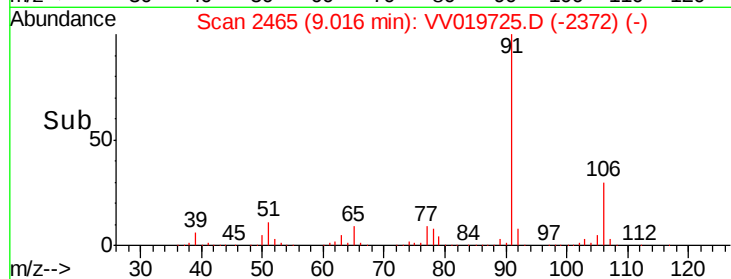
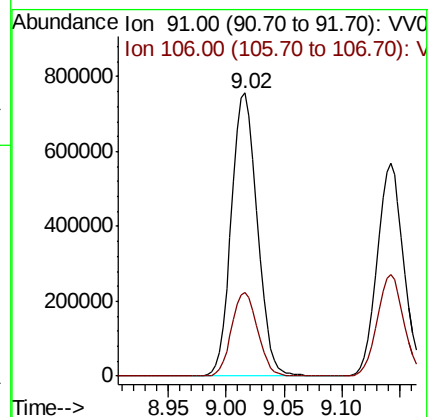
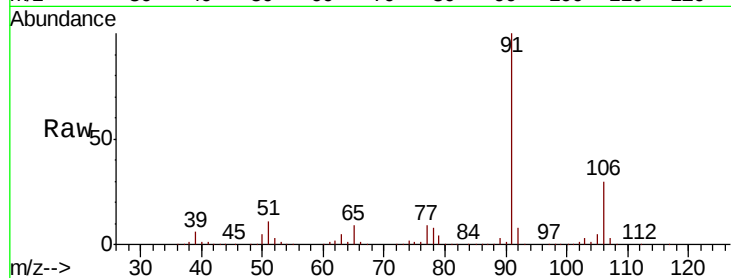
BFB69

Tot Ion: 91 Resp: 1173820

Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.3



#53

m,p-Xylene

Concen: 46.089 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019725.D

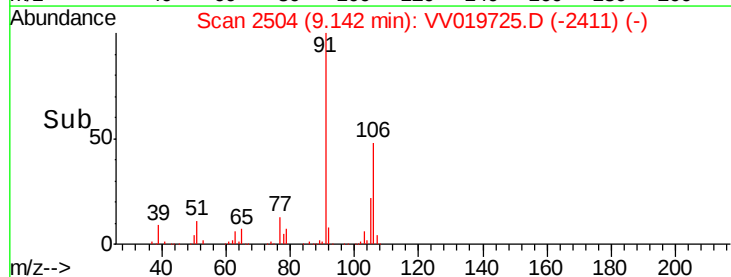
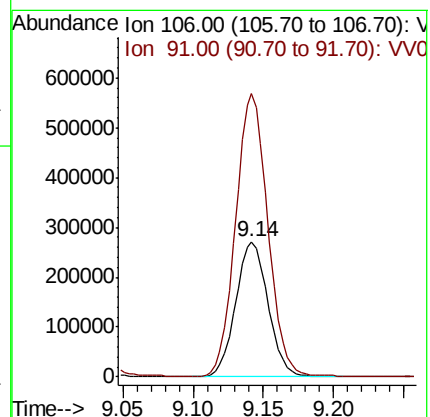
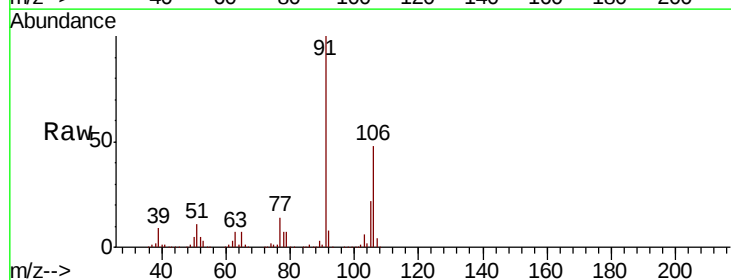
Acq: 19 Dec 2020 09:27

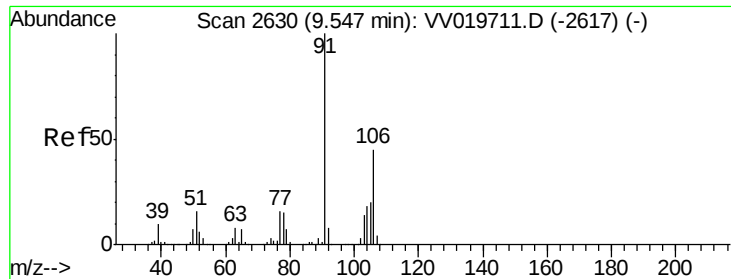
Tgt Ion: 106 Resp: 433585

Ion Ratio Lower Upper

106 100

91 209.4 147.7 274.3





#54

o-xylene

Concen: 45.663 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

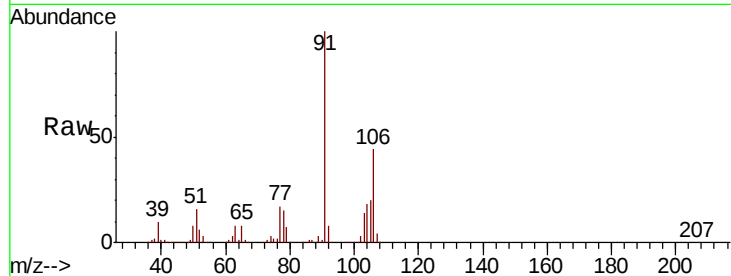
BFB69

Tot Ion:106 Resp: 421060

Ion Ratio Lower Upper

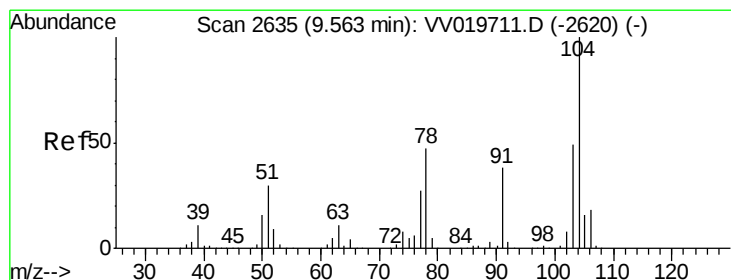
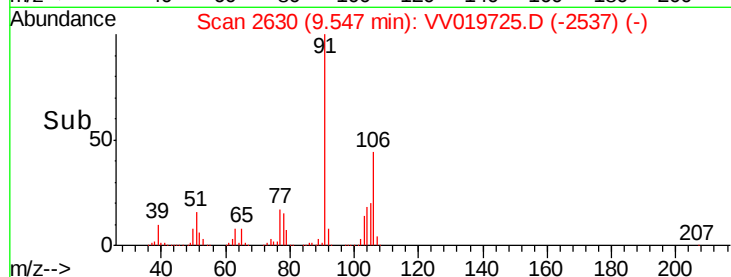
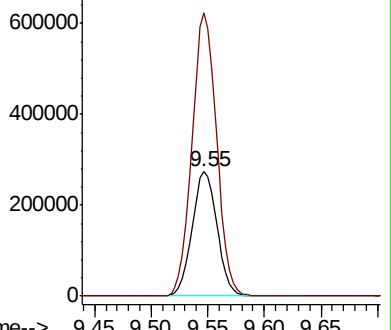
106 100

91 227.6 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.284 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019725.D

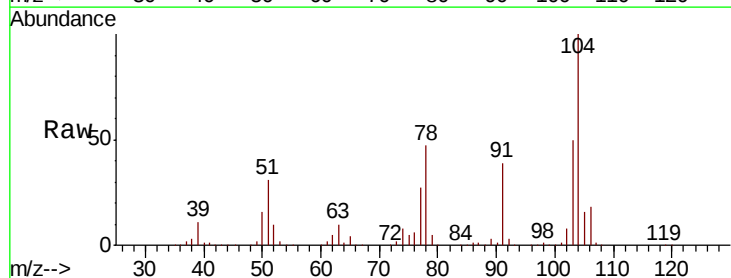
Acq: 19 Dec 2020 09:27

Tgt Ion:104 Resp: 743837

Ion Ratio Lower Upper

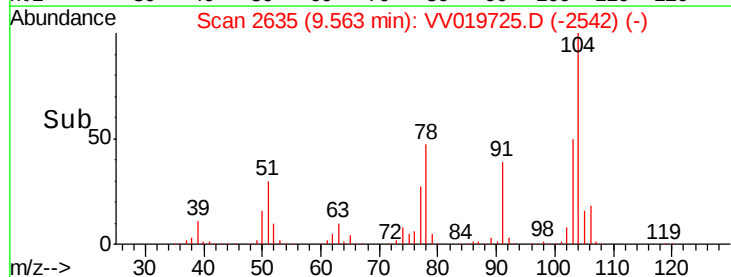
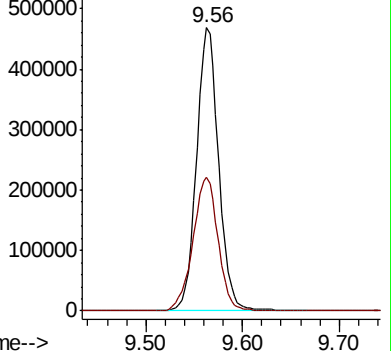
104 100

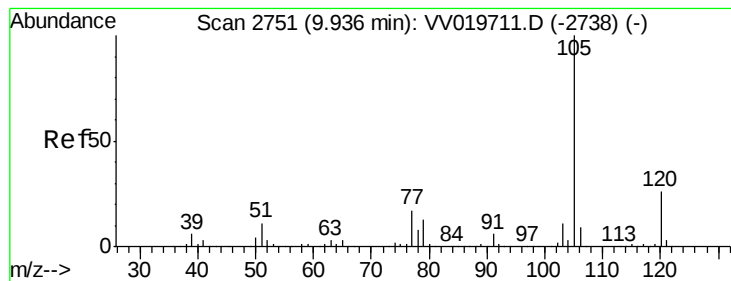
78 47.3 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 46.944 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampled :

BFB69

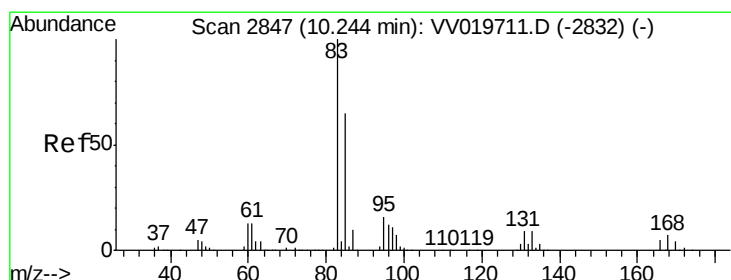
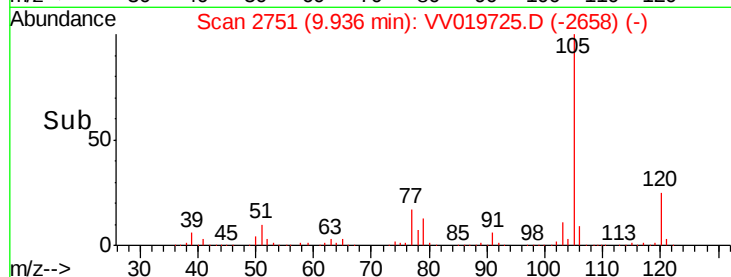
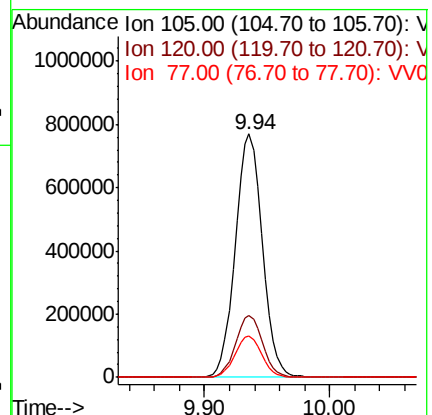
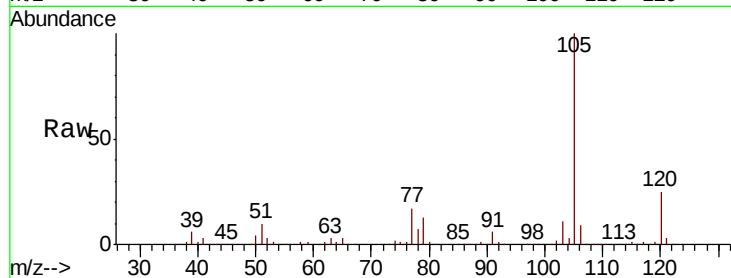
Tot Ion:105 Resp: 1153217

Ion Ratio Lower Upper

105 100

120 25.3 20.6 31.0

77 17.0 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 46.137 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

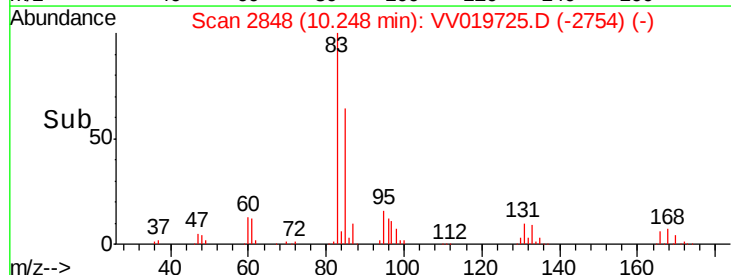
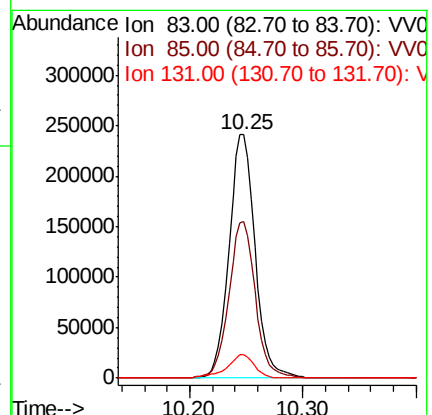
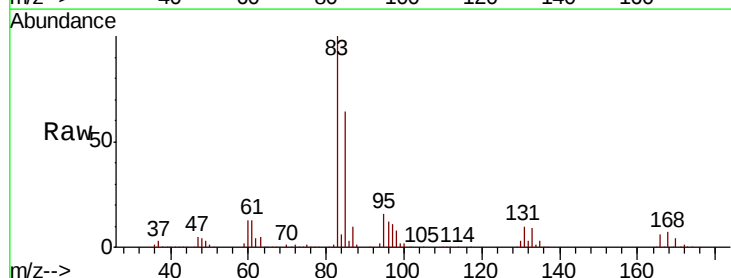
Tgt Ion: 83 Resp: 385848

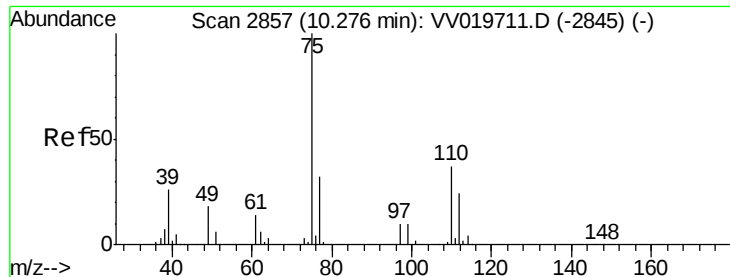
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

131 9.6 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 47.377 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

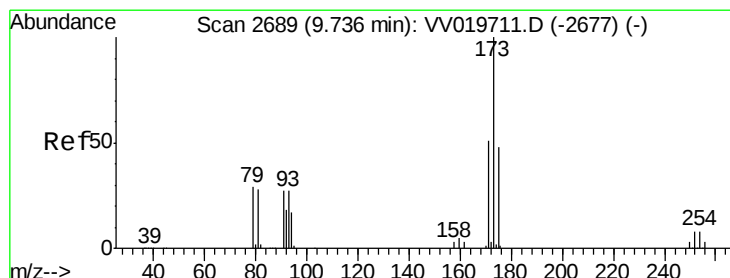
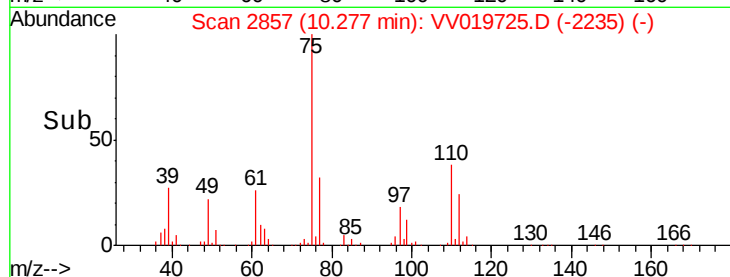
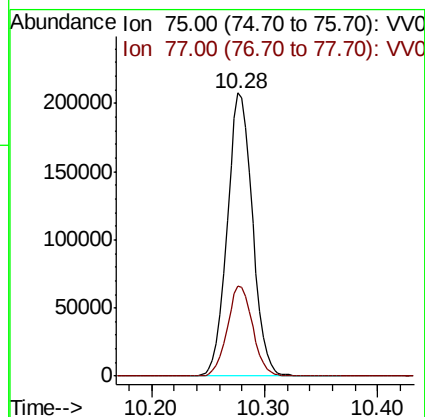
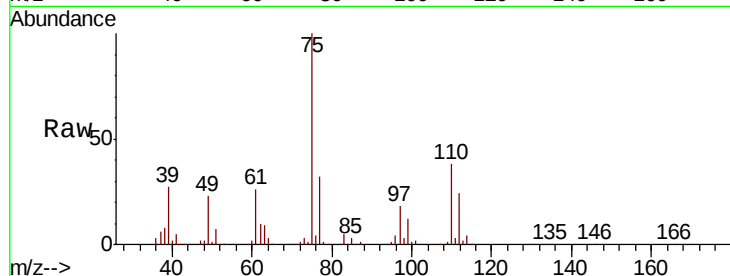
BFB69

Tot Ion: 75 Resp: 322716

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8



#61

Bromoform

Concen: 39.531 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

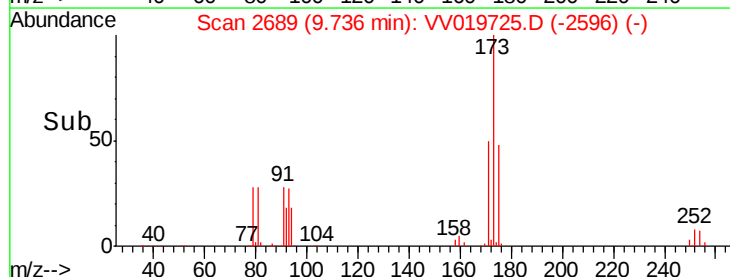
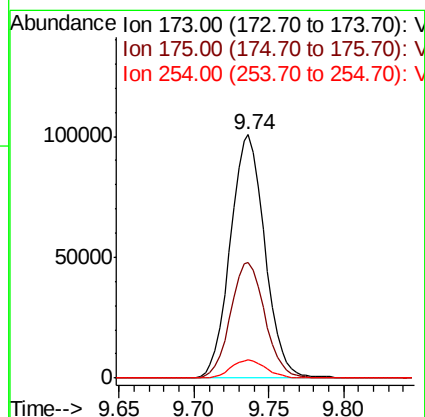
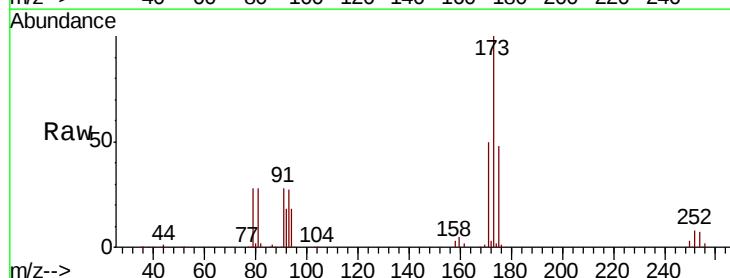
Tgt Ion: 173 Resp: 161782

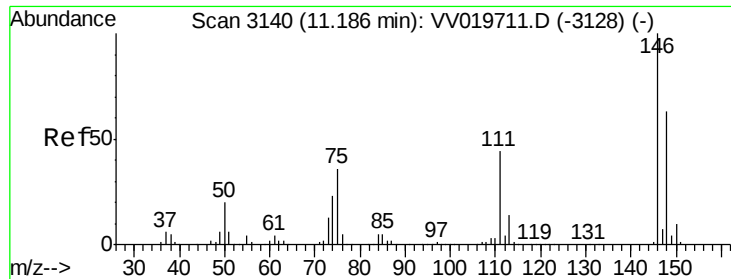
Ion Ratio Lower Upper

173 100

175 47.6 38.4 57.6

254 7.7 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 44.528 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

BFB69

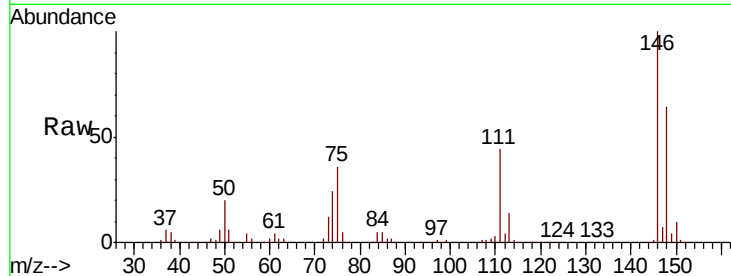
Tot Ion:146 Resp: 505301

Ion Ratio Lower Upper

146 100

111 44.4 30.7 57.1

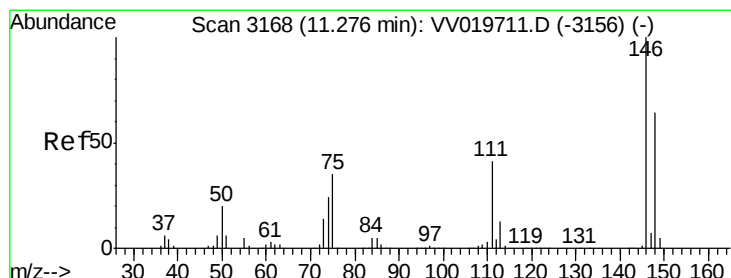
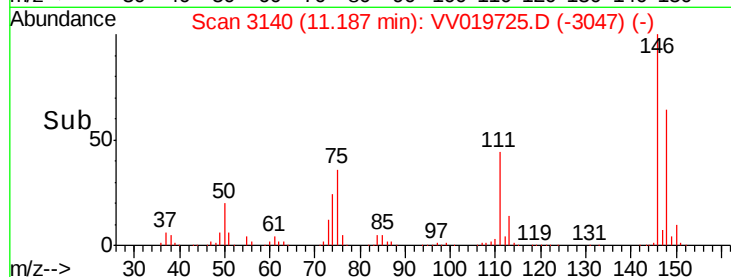
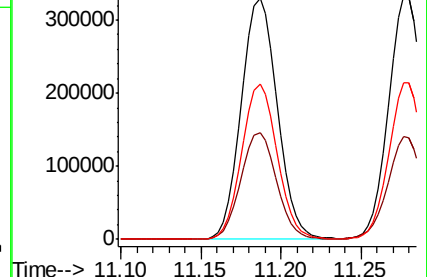
148 64.2 45.3 84.1



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: 44.749 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

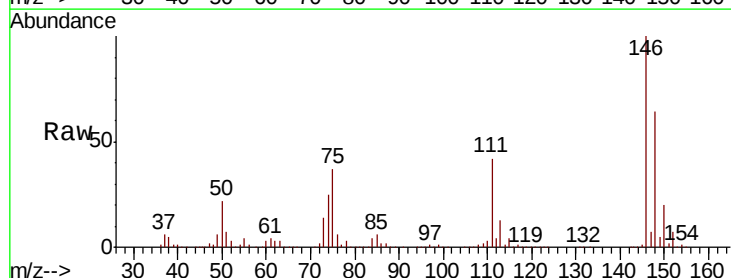
Tgt Ion:146 Resp: 514218

Ion Ratio Lower Upper

146 100

111 42.3 29.8 55.4

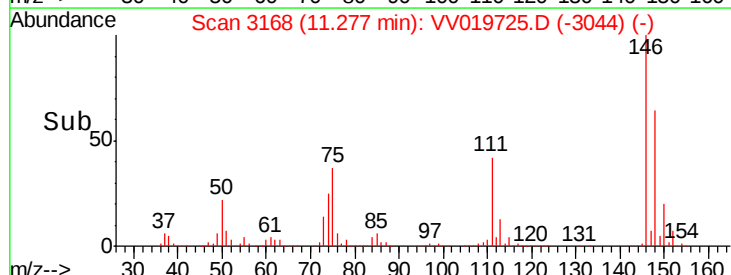
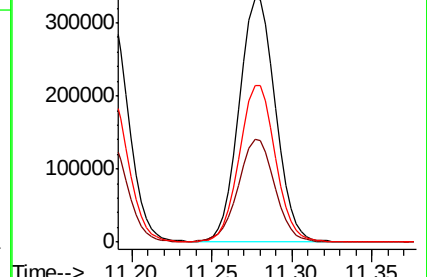
148 64.5 44.2 82.0

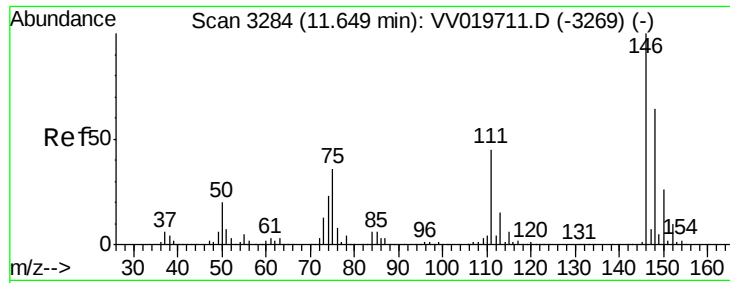


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

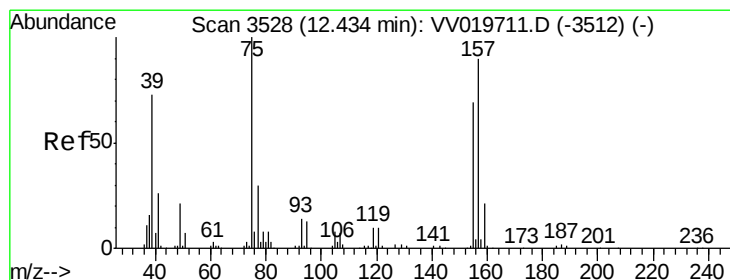
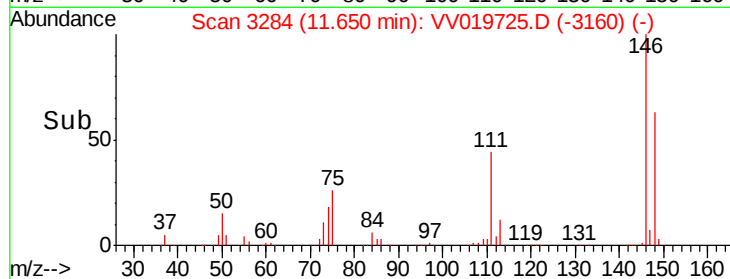
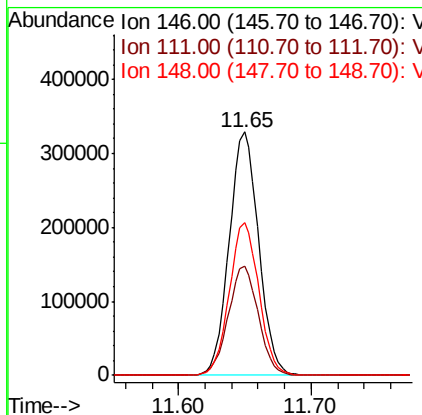
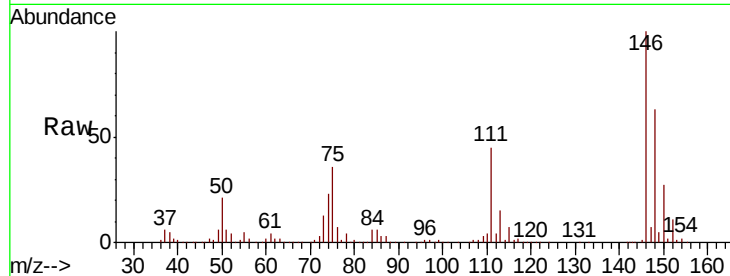




#65
 1,2-Dichlorobenzene
 Concen: 45.263 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

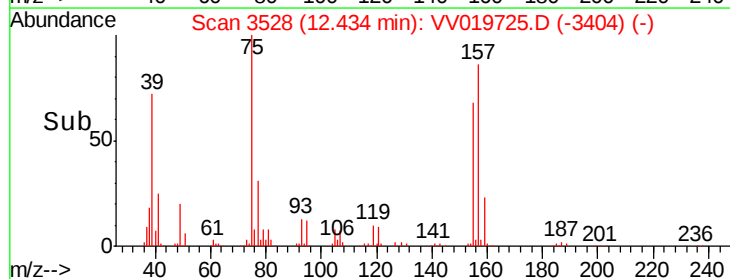
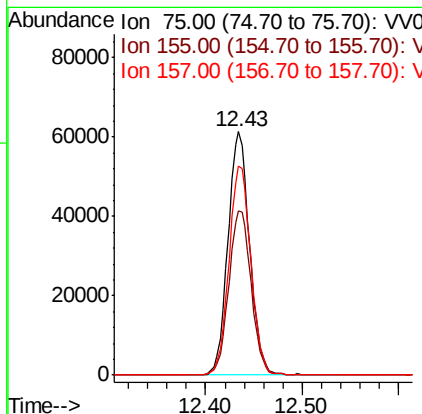
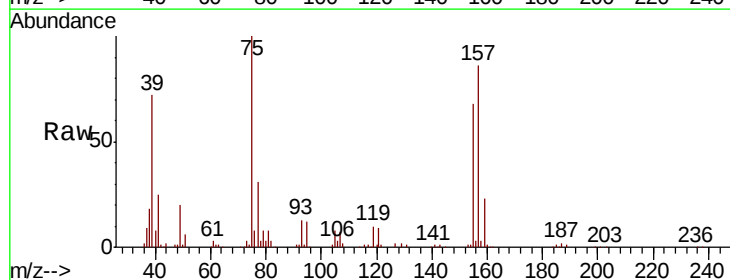
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

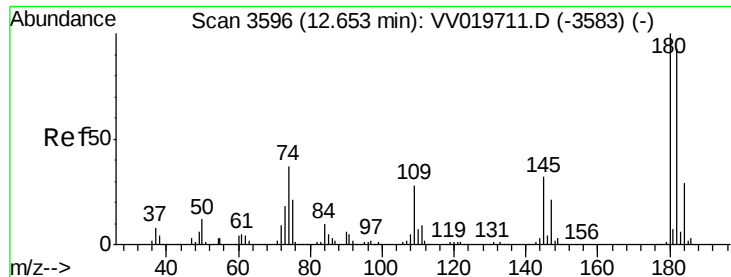
Tot Ion:146 Resp: 507550
 Ion Ratio Lower Upper
 146 100
 111 44.8 36.6 55.0
 148 63.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 40.598 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

Tgt Ion: 75 Resp: 95027
 Ion Ratio Lower Upper
 75 100
 155 67.6 61.1 91.7
 157 86.1 78.7 118.1

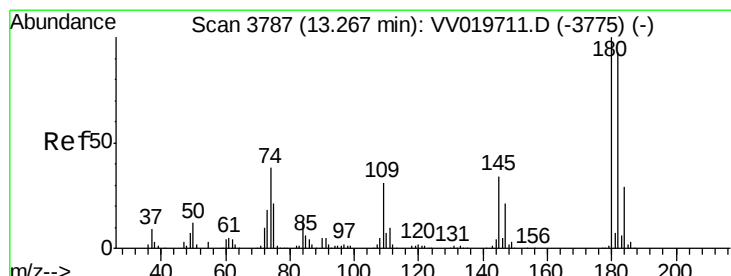
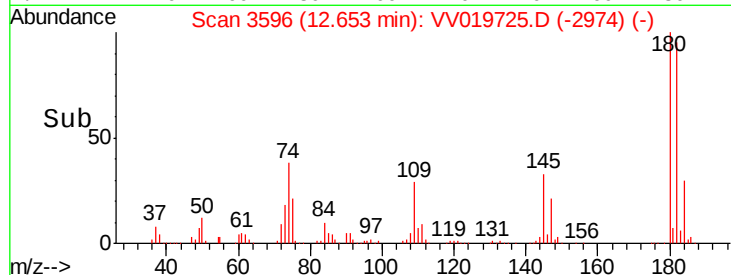
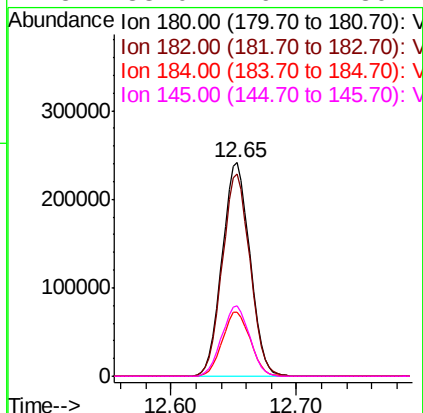
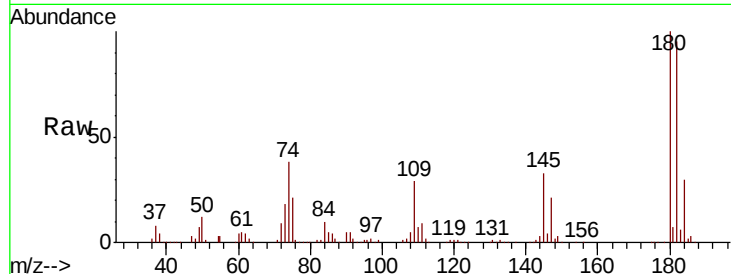




#67
 1,3,5-Trichlorobenzene
 Concen: 46.157 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

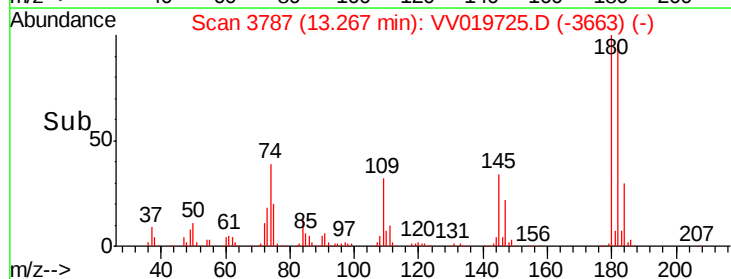
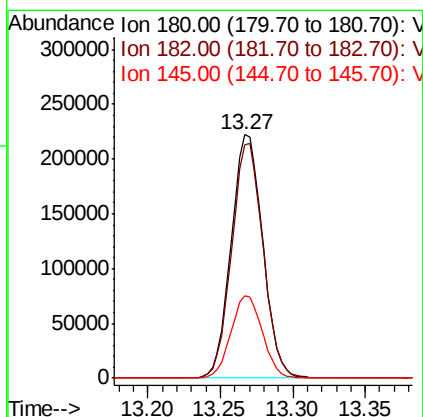
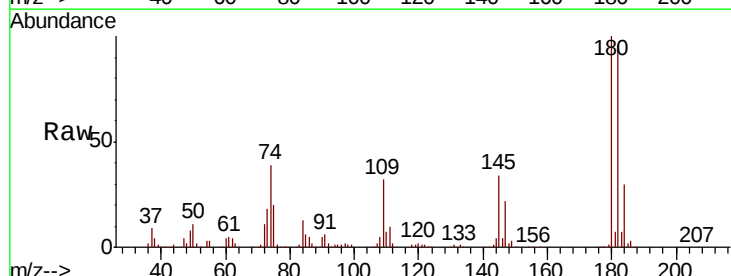
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

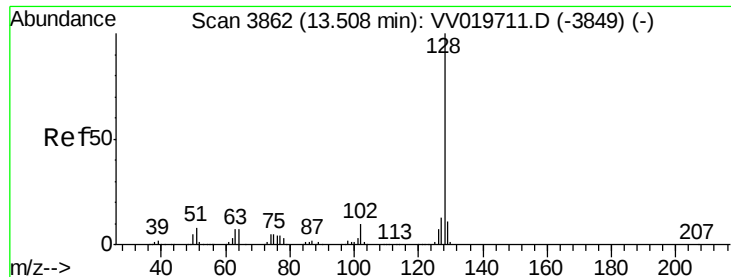
Tot Ion:180	Resp:	370073
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.8 113.6
184	30.4	23.9 35.9
145	33.0	26.2 39.2



#68
 1,2,4-trichlorobenzene
 Concen: 44.894 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019725.D
 Acq: 19 Dec 2020 09:27

Tgt Ion:180	Resp:	336552
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.5 114.7
145	33.6	27.0 40.6





#69

Naphthalene

Concen: 41.908 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

BFB69

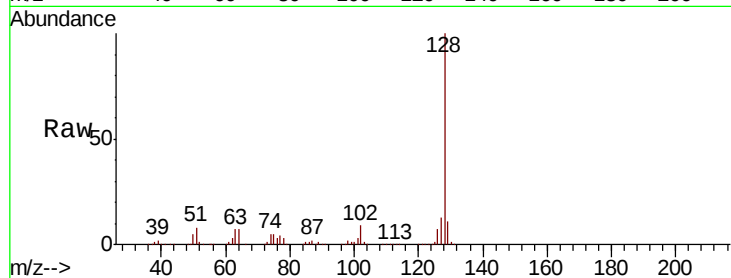
Tot Ion:128 Resp: 1090869

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

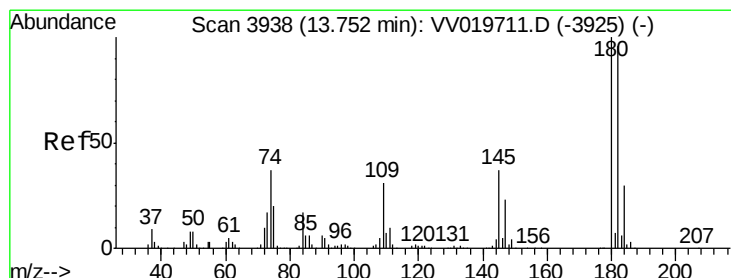
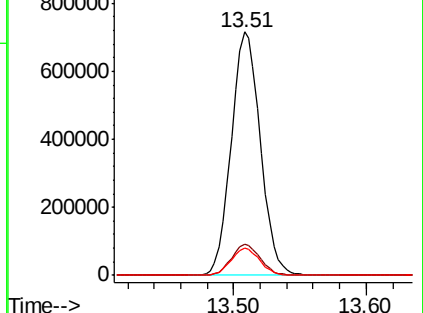
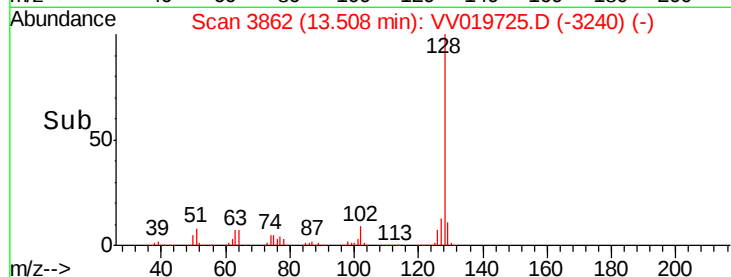
129 11.0 8.6 12.8



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: 44.652 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019725.D

Acq: 19 Dec 2020 09:27

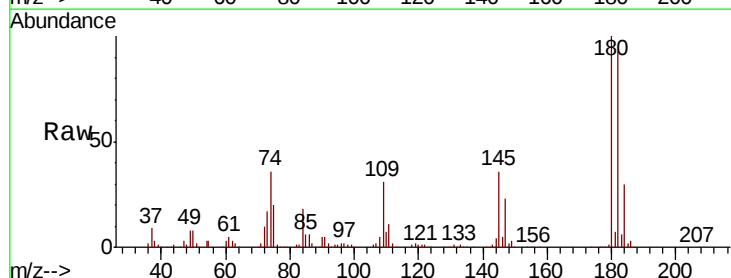
Tgt Ion:180 Resp: 327119

Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.6

145 35.9 29.1 43.7



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

