

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015622.D
 Acq On : 22 Apr 2020 15:17
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 02:48:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 02:43:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	136721	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	130824	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	66696	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35560	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.58	69	34015	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.12	63	77657	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	3.93	46	120766	52.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.28%
24) Chloroform-d	4.38	84	84934	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.06	65	47551	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.07	84	157249	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.09	67	49056	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.34	98	150991	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.64	79	20328	5.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.40%
46) 2-Hexanone-d5	8.11	63	100191	53.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	37669	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	56879	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	61098	5.217 ug/L	99
3) Chloromethane	1.25	50	53258	5.257 ug/L	100
5) Vinyl chloride	1.32	62	55588	5.137 ug/L	99
6) Bromomethane	1.53	94	26647	5.736 ug/L	91
8) Chloroethane	1.59	64	35940	5.057 ug/L	98
9) Trichlorofluoromethane	1.76	101	80270	5.286 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44400	5.168 ug/L	96
12) 1,1-Dichloroethene	2.13	96	41205	5.178 ug/L	94
13) Acetone	2.22	43	82002	51.475 ug/L	99
14) Carbon disulfide	2.31	76	121385	5.396 ug/L	99
15) Methyl Acetate	2.46	43	20764	5.481 ug/L	99
16) Methylene chloride	2.52	84	49243	5.012 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	116668	5.223 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	46005	5.163 ug/L	95
19) 1,1-Dichloroethane	3.21	63	91270	5.217 ug/L	99
21) 2-Butanone	4.02	43	133350	54.268 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	50424	5.119 ug/L	96

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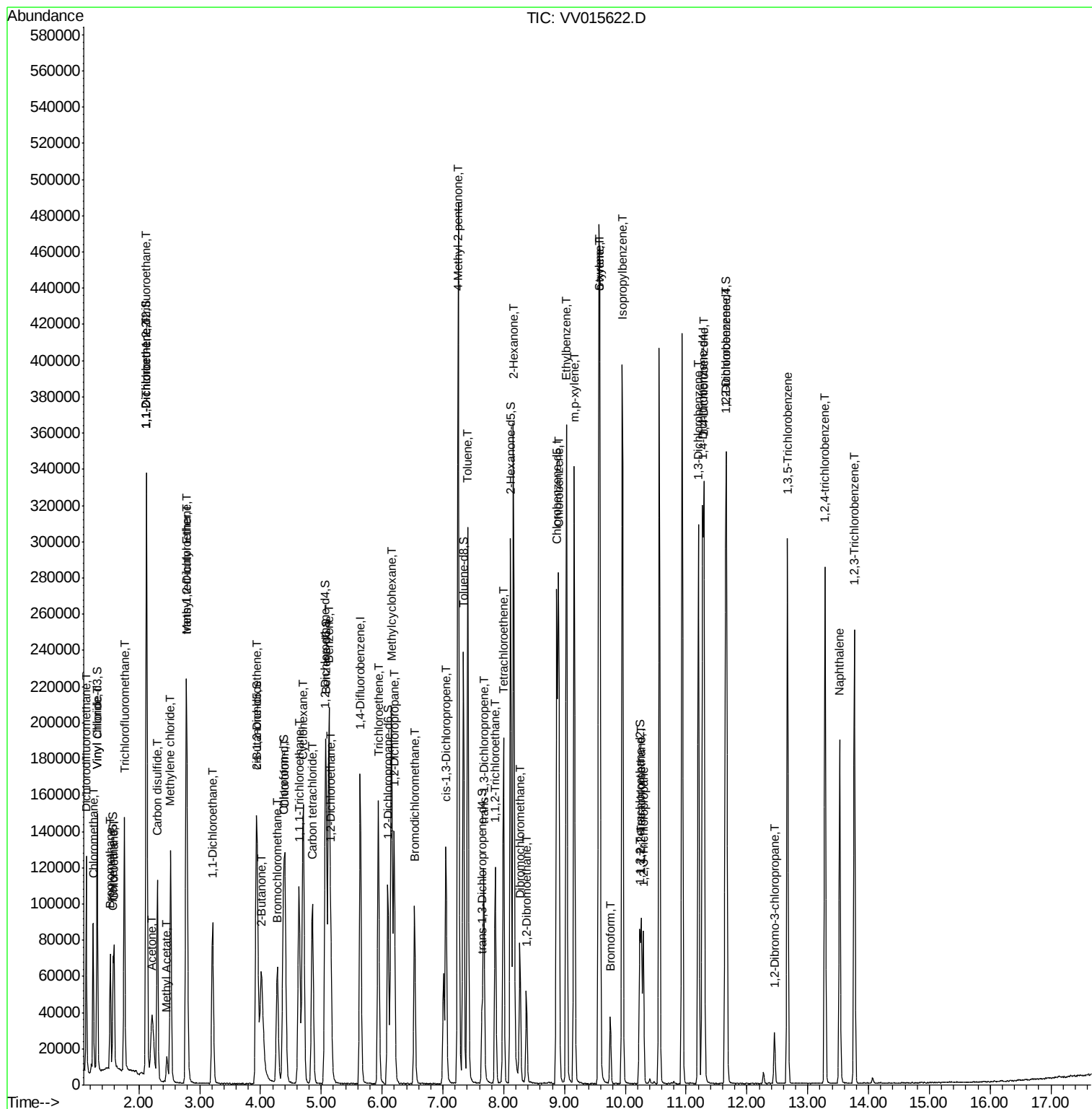
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	21323	5.299	ug/L	95
25) Chloroform	4.40	83	95453	5.139	ug/L	100
27) 1,2-Dichloroethane	5.16	62	63613	5.213	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	86631	5.222	ug/L	99
30) Cyclohexane	4.70	56	83348	5.258	ug/L	100
31) Carbon tetrachloride	4.85	117	71464	5.201	ug/L	99
33) Benzene	5.13	78	193516	5.177	ug/L	100
34) Trichloroethene	5.94	95	53421	5.175	ug/L	98
35) Methylcyclohexane	6.15	83	83536	5.273	ug/L	98
37) 1,2-Dichloropropane	6.20	63	51092	5.378	ug/L	100
38) Bromodichloromethane	6.53	83	63308	5.248	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	71726	5.416	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	325635	52.811	ug/L	99
42) Toluene	7.41	91	209160	5.237	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	61307	5.509	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	34310	5.298	ug/L	96
47) Tetrachloroethene	8.00	164	38317	5.155	ug/L	93
48) 2-Hexanone	8.16	43	241896	55.013	ug/L	99
49) Dibromochloromethane	8.27	129	36271	5.412	ug/L	97
50) 1,2-Dibromoethane	8.37	107	31318	5.230	ug/L	100
51) Chlorobenzene	8.90	112	134476	5.140	ug/L	99
52) Ethylbenzene	9.03	91	244428	5.289	ug/L	98
53) m,p-xylene	9.16	106	89927	5.312	ug/L	99
54) o-xylene	9.56	106	86190	5.262	ug/L	97
55) Styrene	9.58	104	148655	5.348	ug/L	99
56) Isopropylbenzene	9.95	105	241641	5.258	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	39365	5.206	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	31089	5.125	ug/L	99
61) Bromoform	9.75	173	15288	5.553	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	111790	5.296	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	110871	5.208	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	101086	5.295	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	6718	5.401	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	81926	5.252	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	75507	5.259	ug/L	98
69) Naphthalene	13.53	128	140196	5.456	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	67044	5.291	ug/L	97

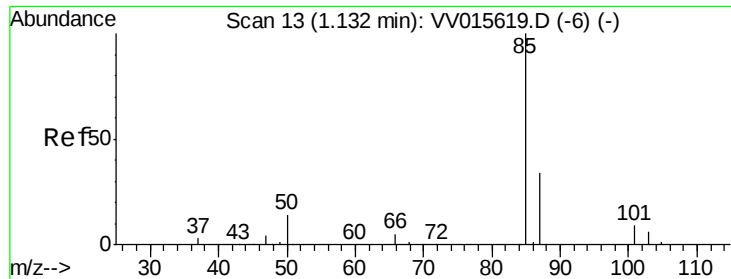
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.217 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

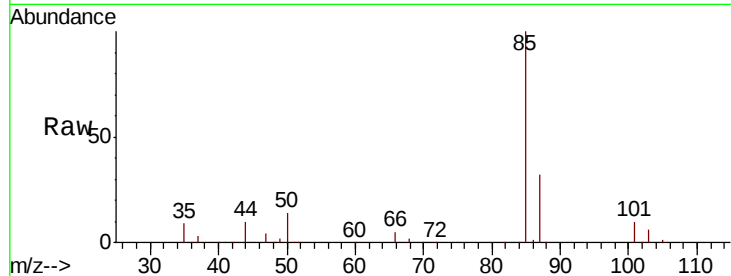
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85.00 Resp: 61098

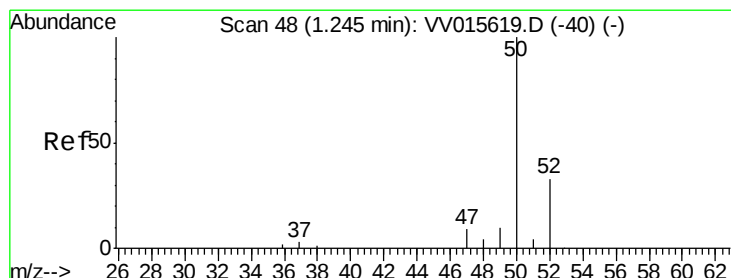
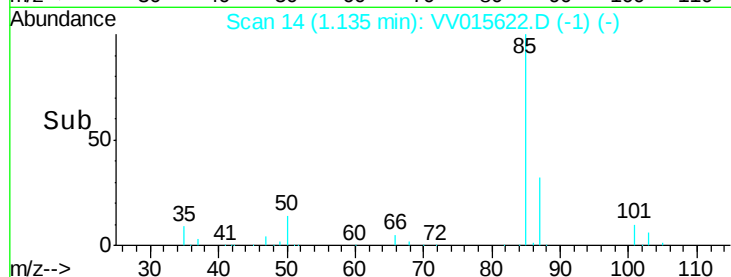
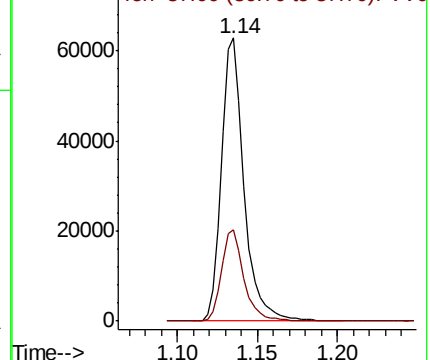
Ion Ratio Lower Upper

85 100

87 32.1 26.1 39.1



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



#3

Chloromethane

Concen: 5.257 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015622.D

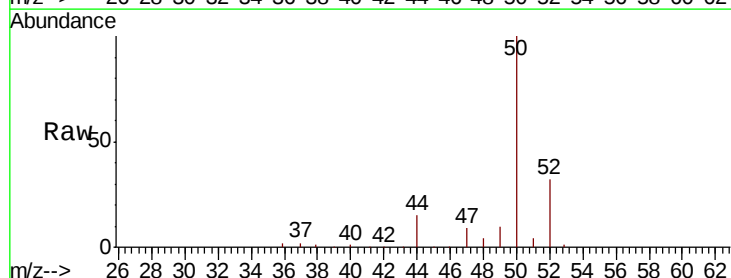
Acq: 22 Apr 2020 15:17

Tgt Ion: 50 Resp: 53258

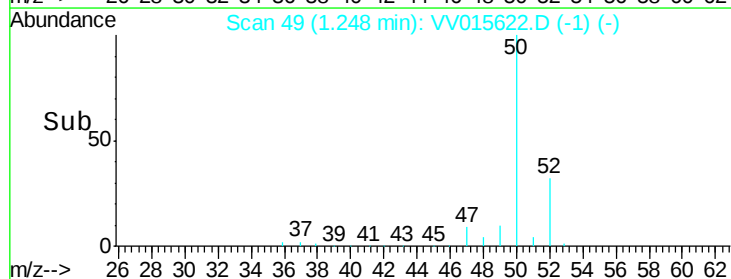
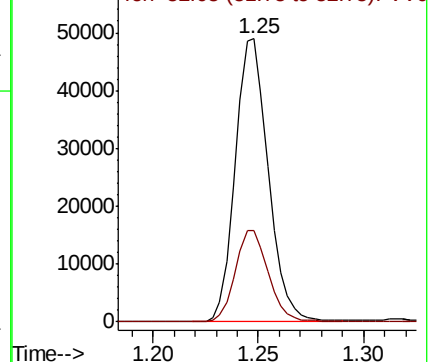
Ion Ratio Lower Upper

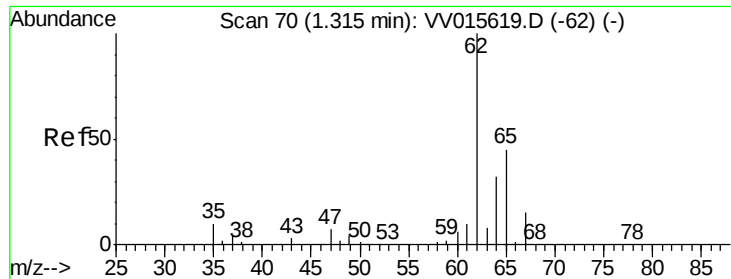
50 100

52 32.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.137 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

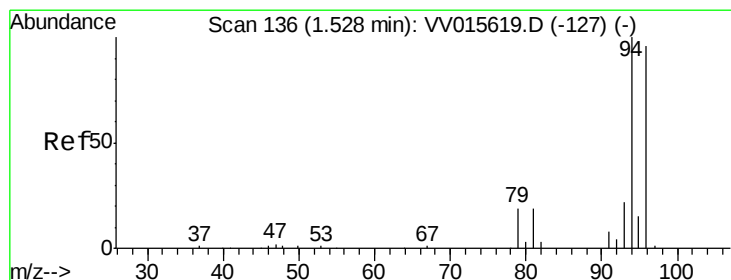
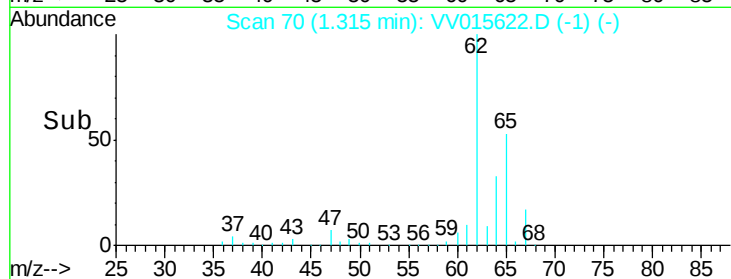
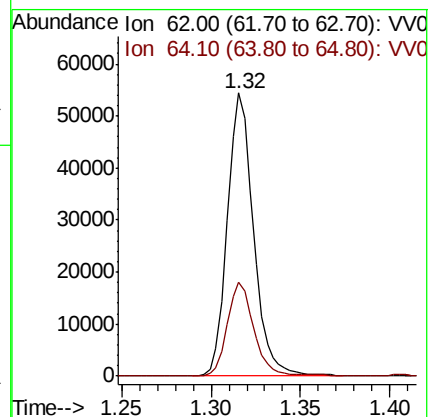
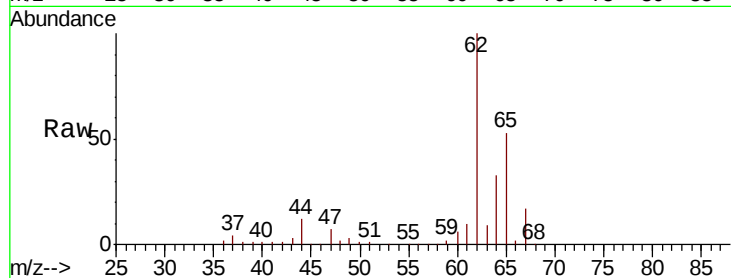
ClientSampleId :

Tot Ion: 62 Resp: 55588

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.1



#6

Bromomethane

Concen: 5.736 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015622.D

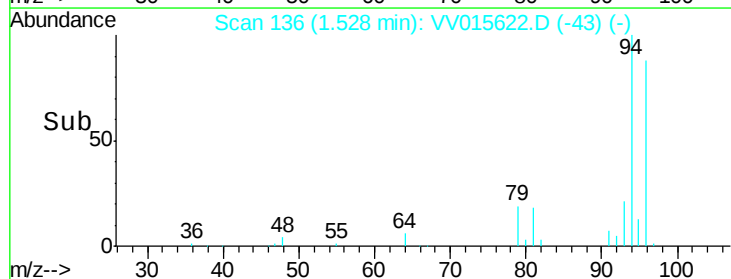
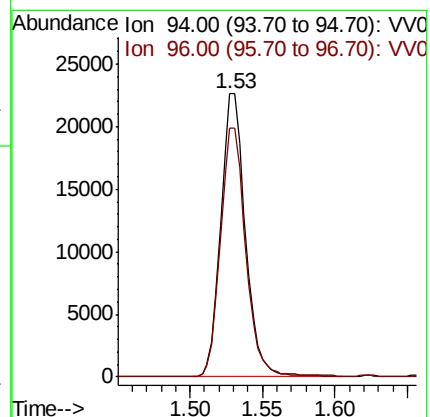
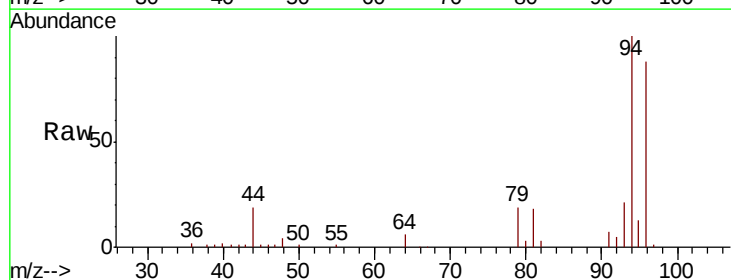
Acq: 22 Apr 2020 15:17

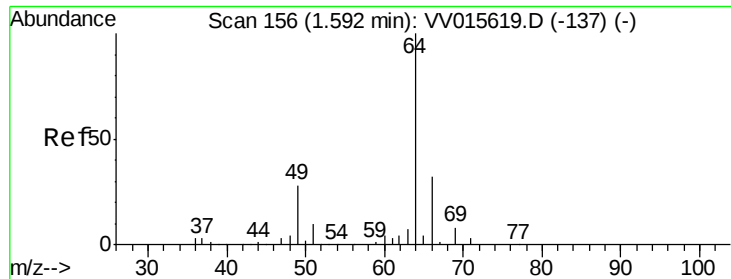
Tgt Ion: 94 Resp: 26647

Ion Ratio Lower Upper

94 100

96 87.9 67.3 125.1





#8

Chloroethane

Concen: 5.057 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

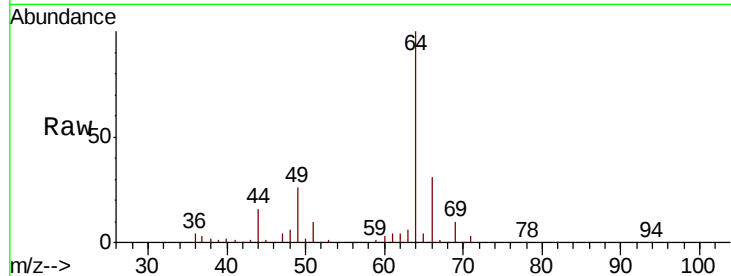
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 35940

Ion Ratio Lower Upper

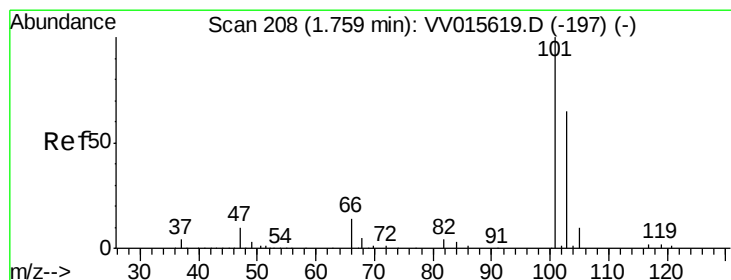
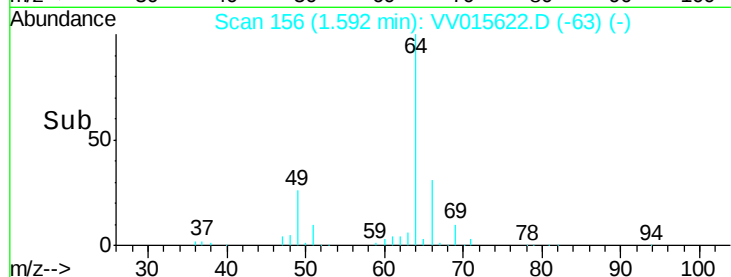
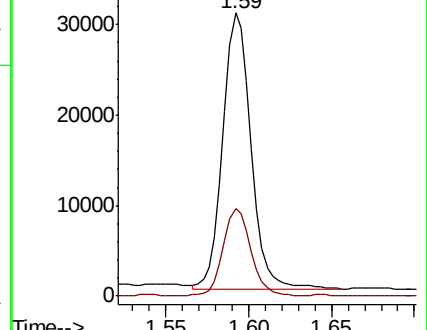
64 100

66 31.1 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015619.D (-137) (-)

Ion 66.05 (65.75 to 66.75): VV015622.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.286 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015622.D

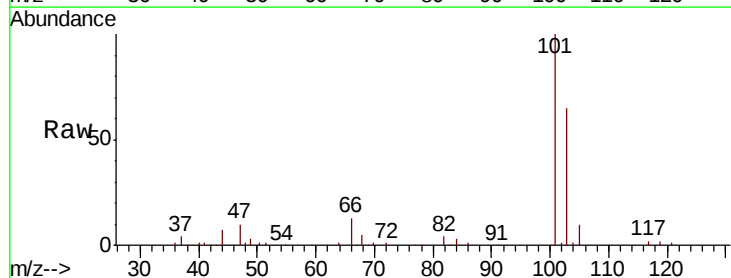
Acq: 22 Apr 2020 15:17

Tgt Ion:101 Resp: 80270

Ion Ratio Lower Upper

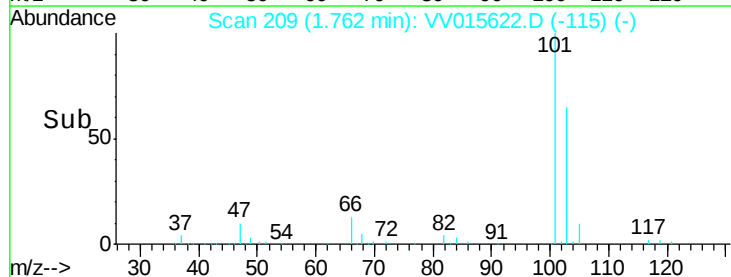
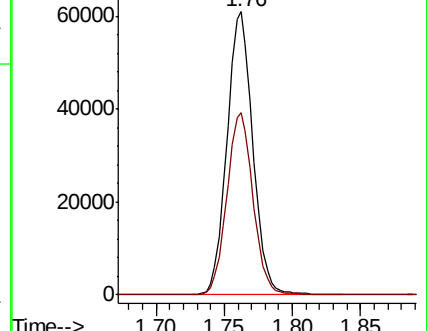
101 100

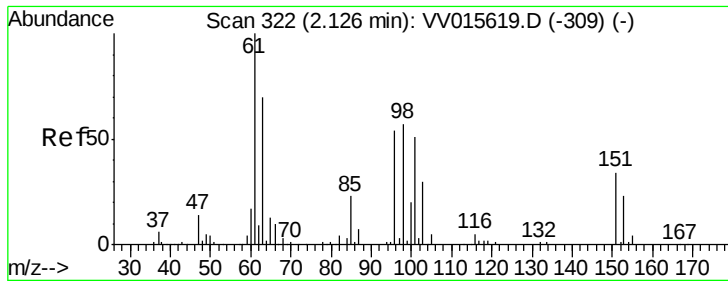
103 65.1 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015619.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015622.D (-115) (-)





#10

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

Concen: 5.168 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

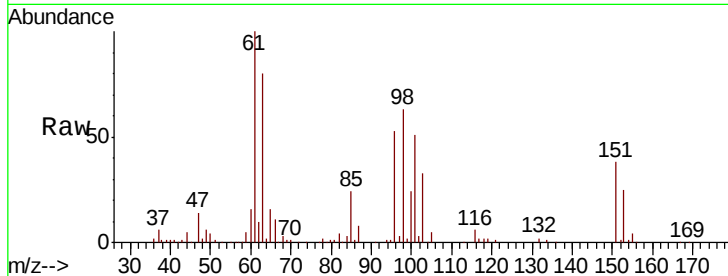
Tot Ion:101 Resp: 44400

Ion Ratio Lower Upper

101 100

85 46.1 36.1 54.1

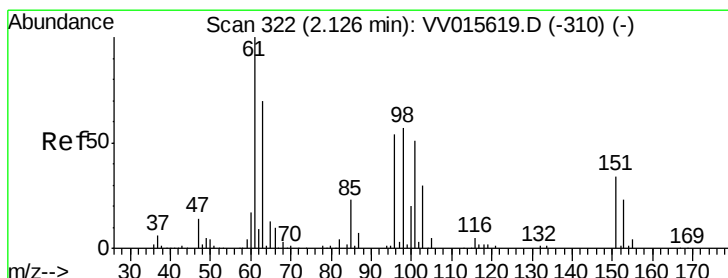
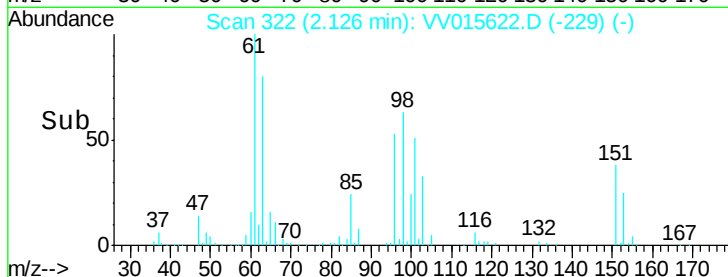
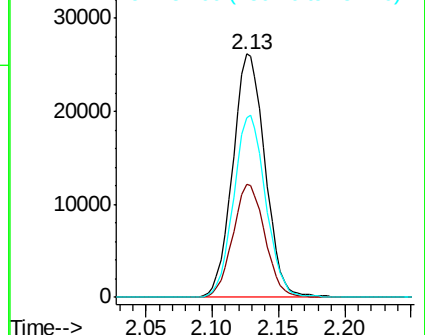
151 74.1 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.178 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

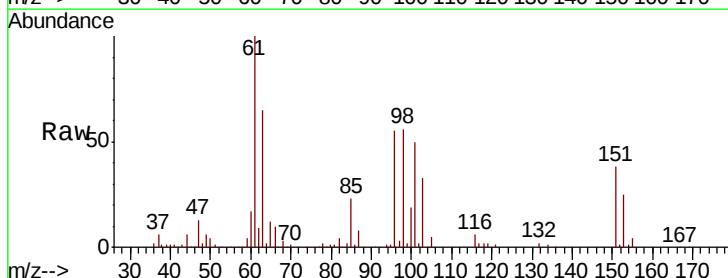
Tgt Ion: 96 Resp: 41205

Ion Ratio Lower Upper

96 100

61 182.4 130.1 241.7

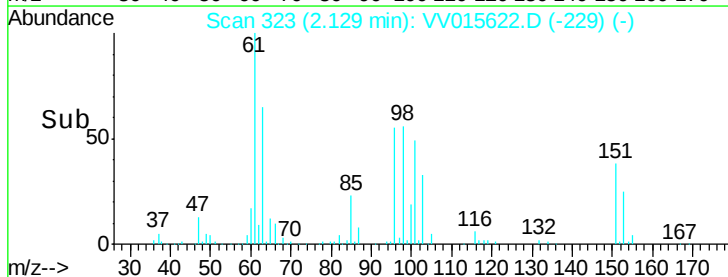
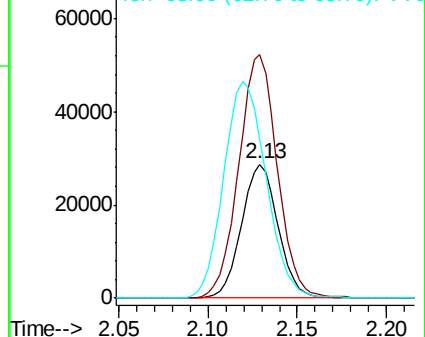
63 119.0 91.4 169.8

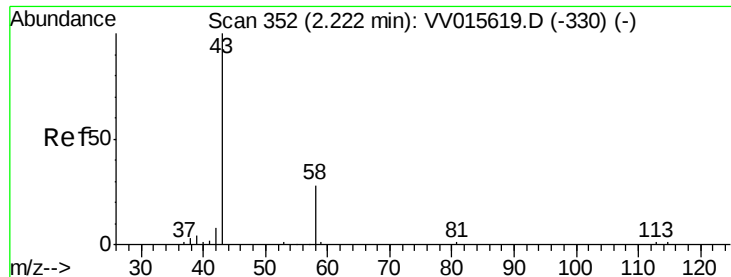


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.475 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

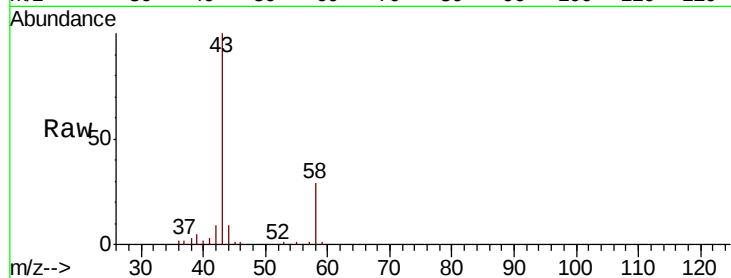
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 82002

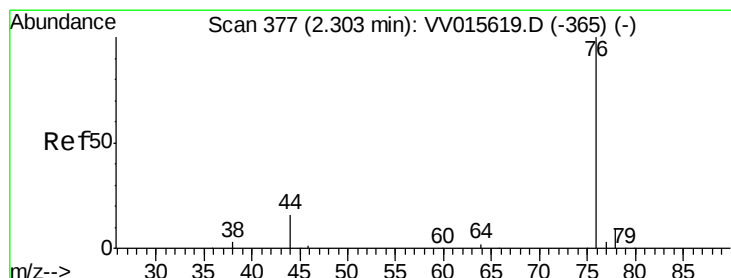
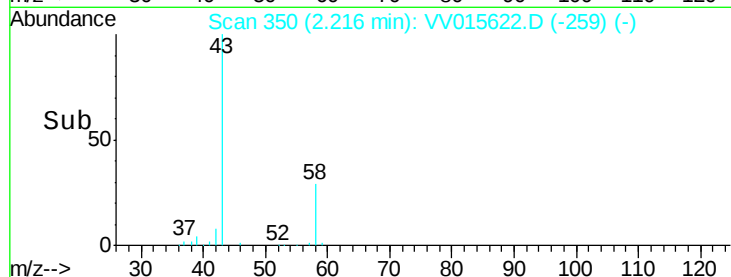
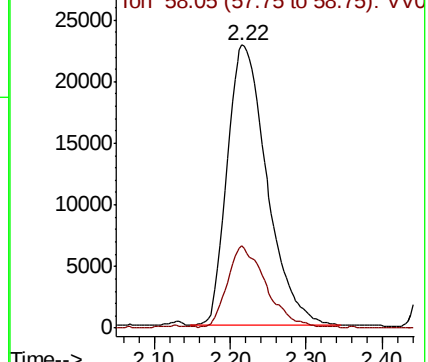
Ion Ratio Lower Upper

43 100

58 29.1 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015619.D (-330) (-)



#14

Carbon disulfide

Concen: 5.396 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015622.D

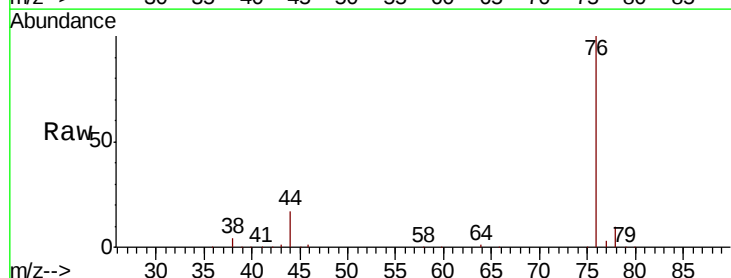
Acq: 22 Apr 2020 15:17

Tgt Ion: 76 Resp: 121385

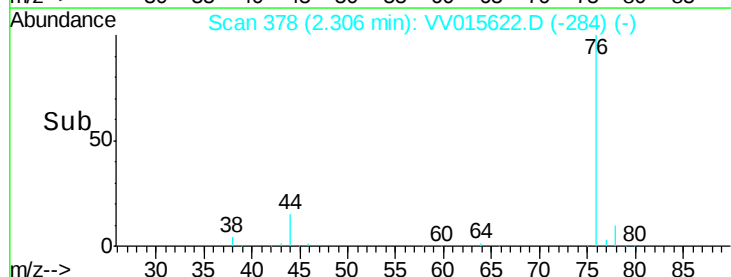
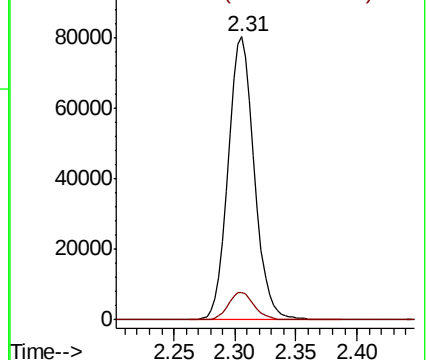
Ion Ratio Lower Upper

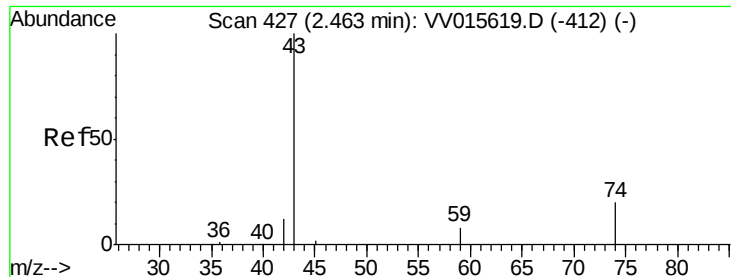
76 100

78 9.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015619.D (-365) (-)

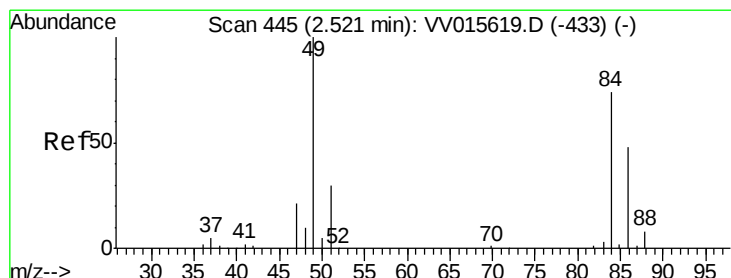
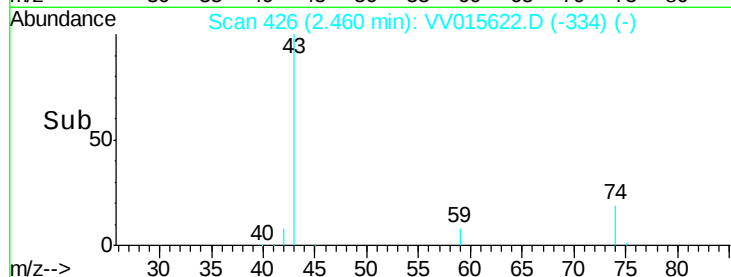
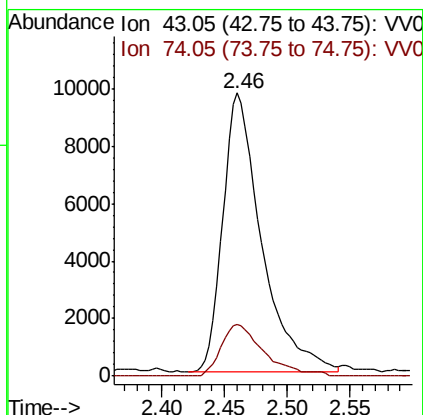
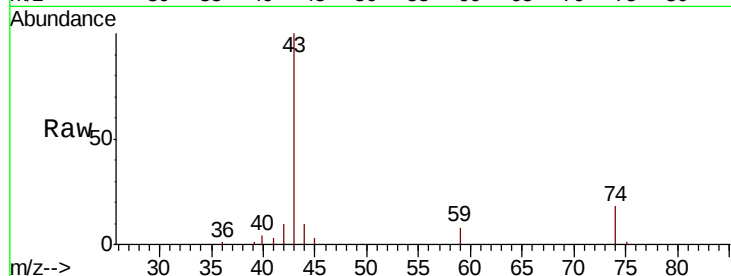




#15
Methvl Acetate
Concen: 5.481 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

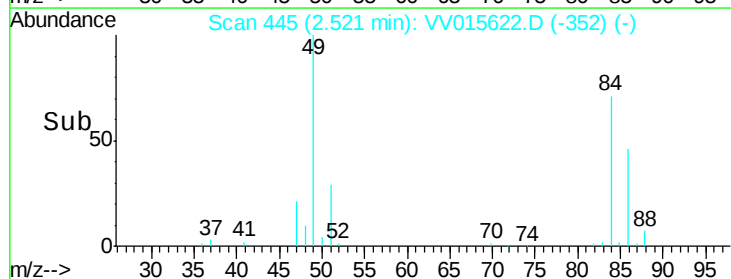
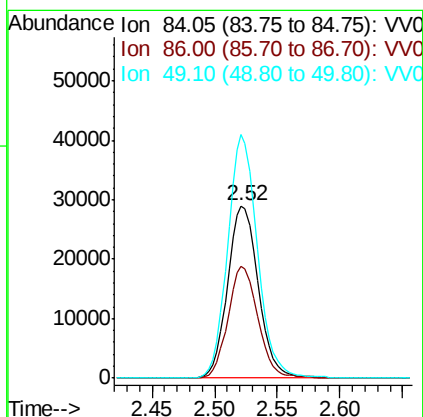
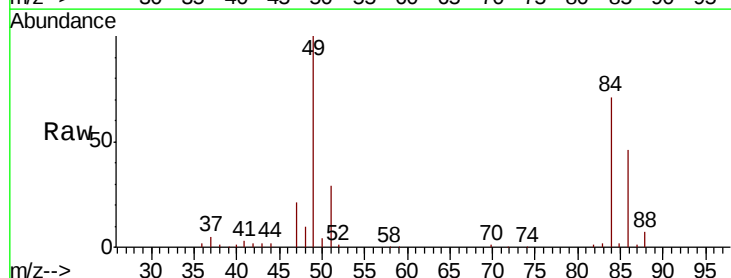
Instrument :
MSVOA_V
ClientSampled :

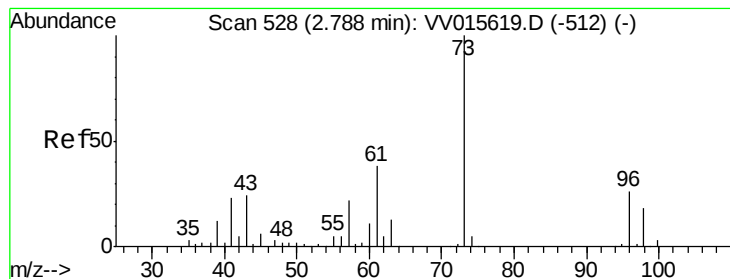
Tot Ion: 43 Resp: 20764
Ion Ratio Lower Upper
43 100
74 20.0 16.3 24.5



#16
Methylene chloride
Concen: 5.012 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

Tgt Ion: 84 Resp: 49243
Ion Ratio Lower Upper
84 100
86 65.1 45.1 83.7
49 141.3 94.4 175.4



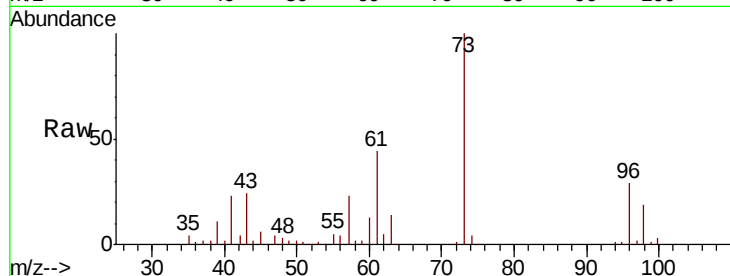


#17

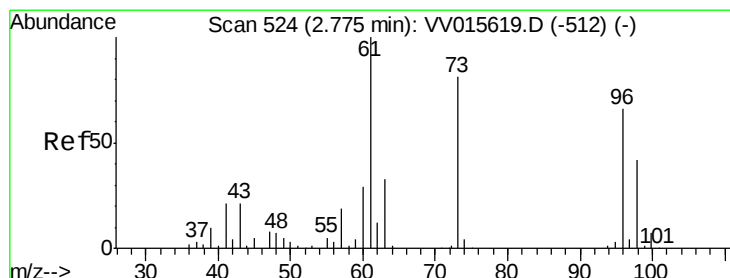
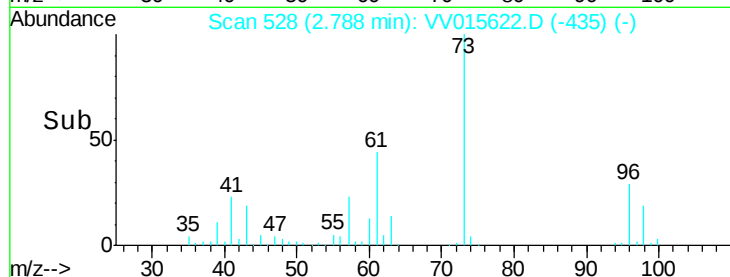
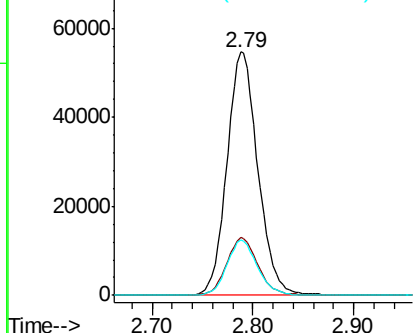
Methvl tert-butvl Ether
 Concen: 5.223 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 116668
 Ion Ratio Lower Upper
 73 100
 43 24.0 20.1 30.1
 57 22.4 17.8 26.8



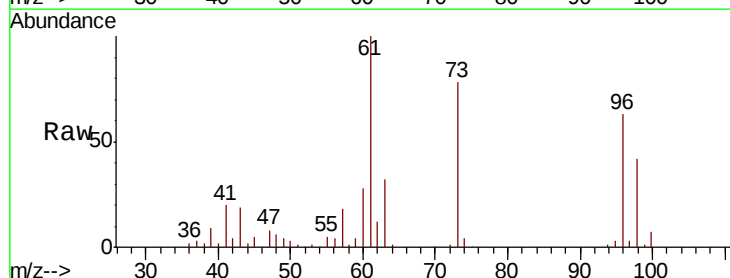
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



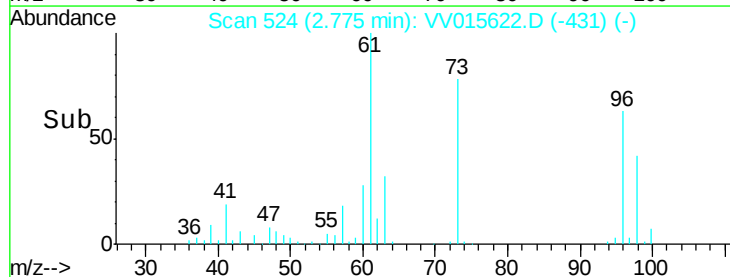
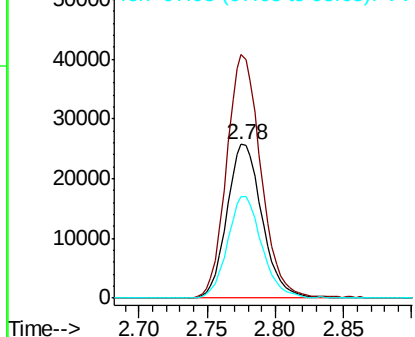
#18

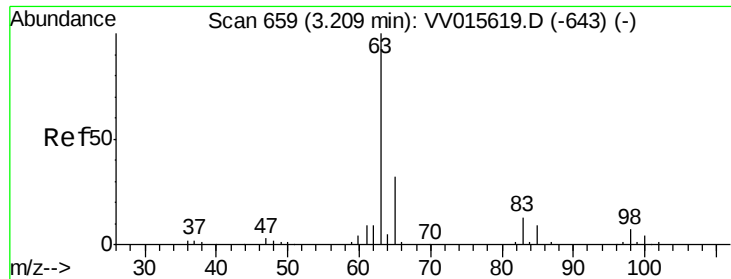
trans-1,2-Dichloroethene
 Concen: 5.163 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Tgt Ion: 96 Resp: 46005
 Ion Ratio Lower Upper
 96 100
 61 158.3 105.5 195.9
 98 66.4 44.2 82.0



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

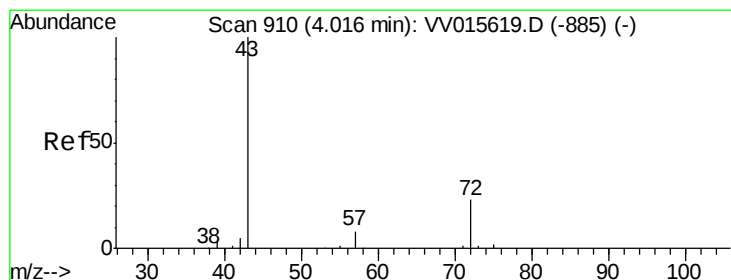
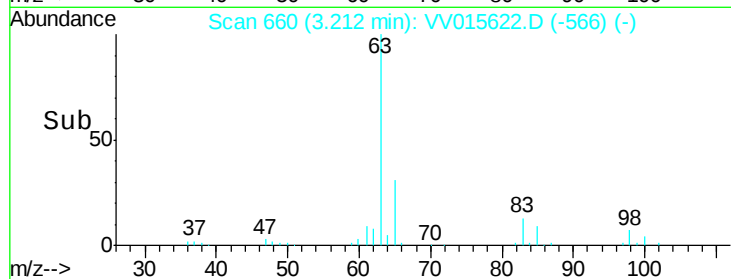
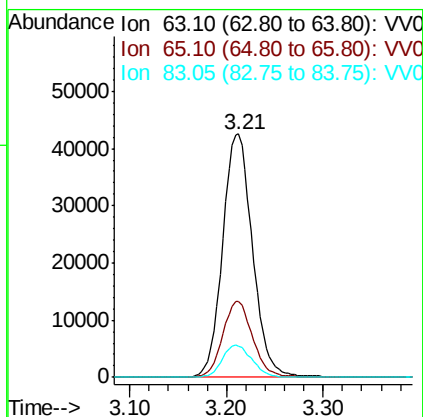
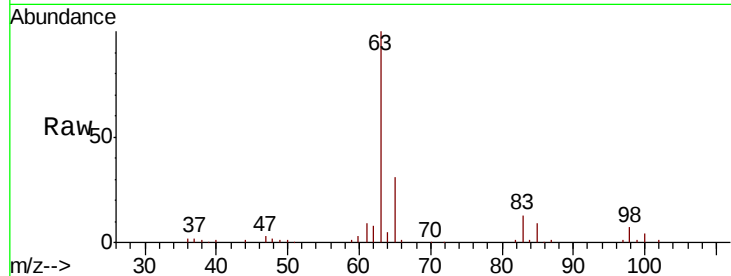




#19
 1,1-Dichloroethane
 Concen: 5.217 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

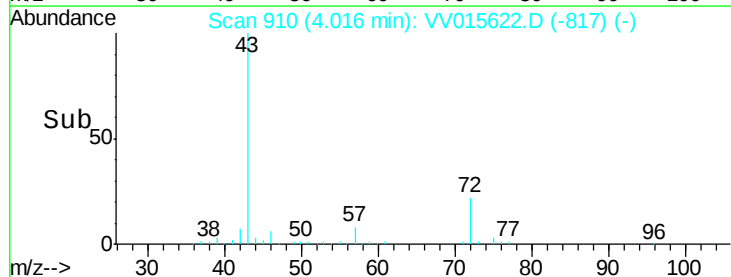
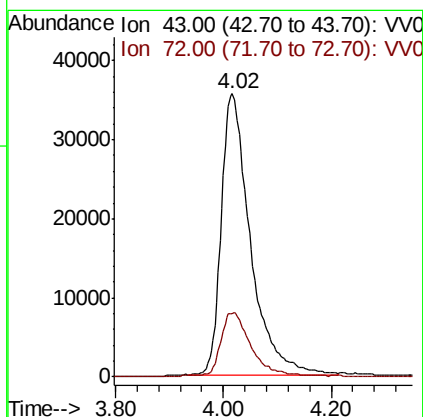
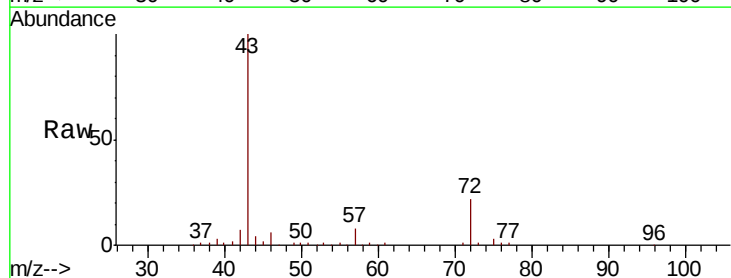
Instrument :
 MSVOA_V
 ClientSampled :

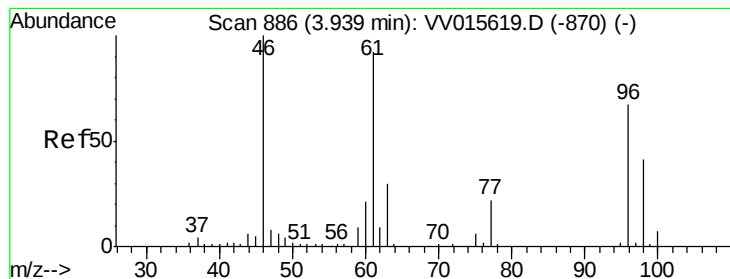
Tot Ion: 63 Resp: 91270
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.3 41.3
 83 12.9 9.3 17.3



#21
 2-Butanone
 Concen: 54.268 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Tgt Ion: 43 Resp: 133350
 Ion Ratio Lower Upper
 43 100
 72 23.2 12.3 36.9



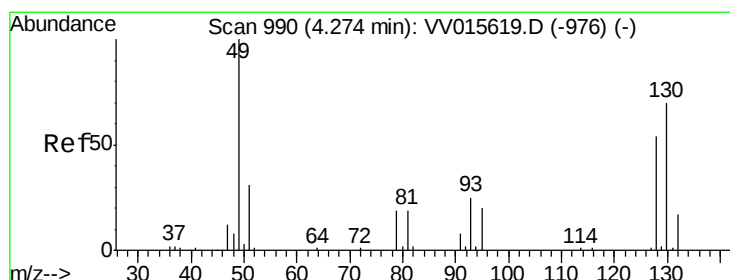
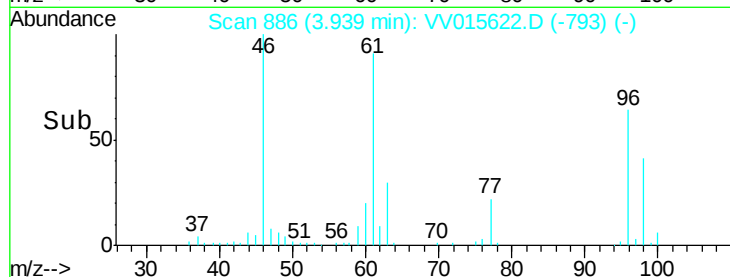
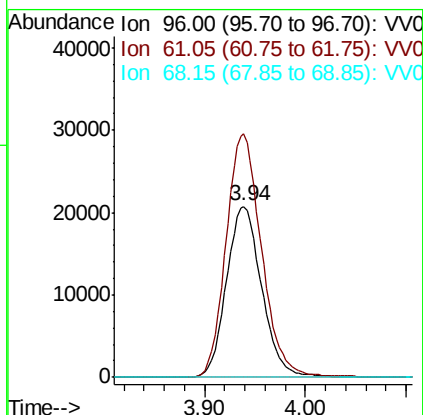
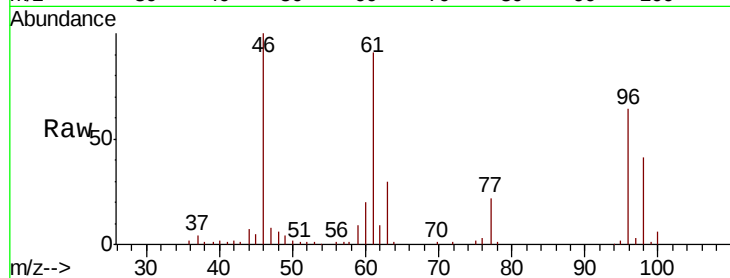


#22

cis-1,2-Dichloroethene
Concen: 5.119 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :

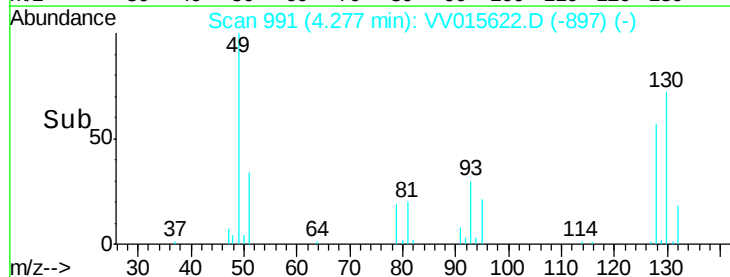
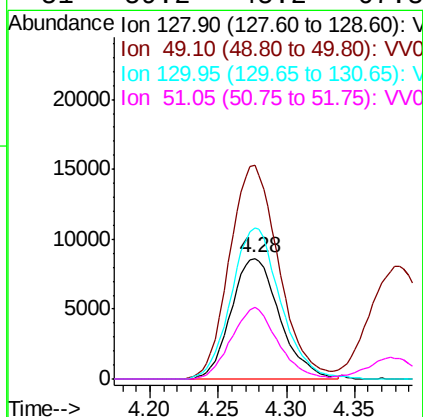
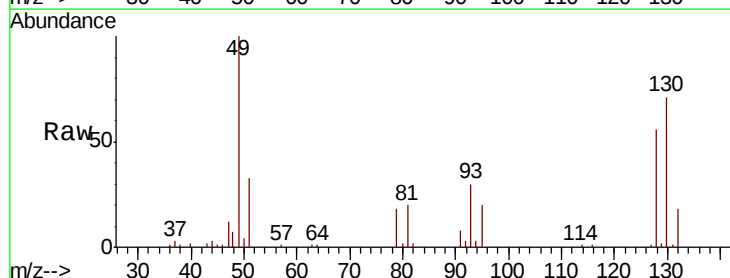
Tot Ion: 96 Resp: 50424
Ion Ratio Lower Upper
96 100
61 142.3 96.4 179.0
68 0.0 0.0 0.0

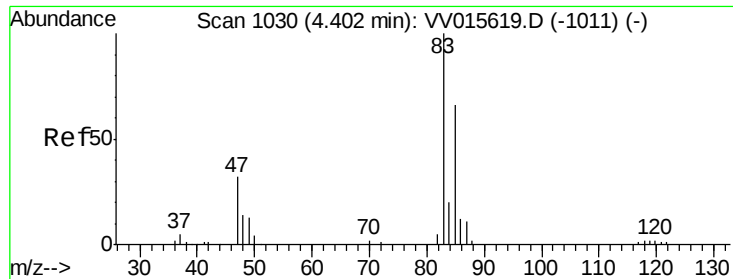


#23

Bromochloromethane
Concen: 5.299 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

Tgt Ion:128 Resp: 21323
Ion Ratio Lower Upper
128 100
49 177.3 130.8 242.8
130 125.2 91.1 169.3
51 59.2 45.2 67.8

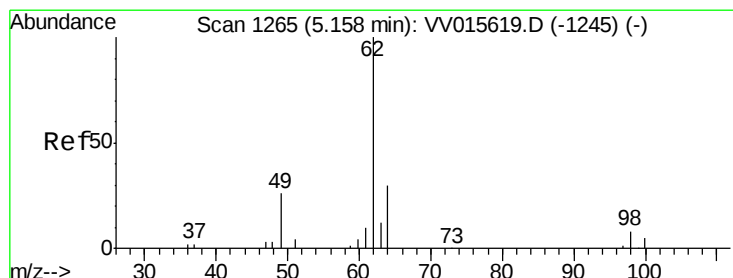
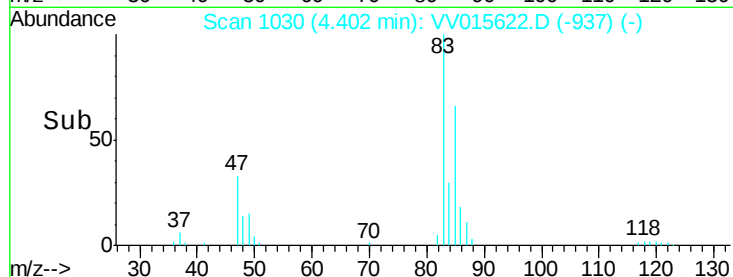
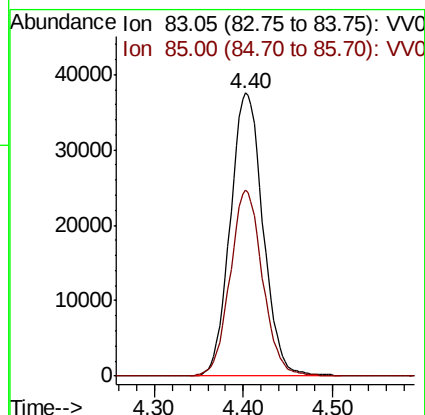
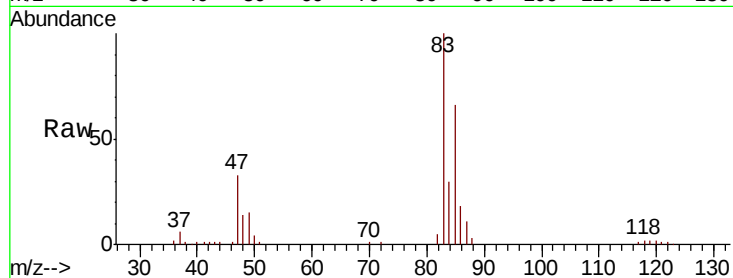




#25
Chloroform
Concen: 5.139 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

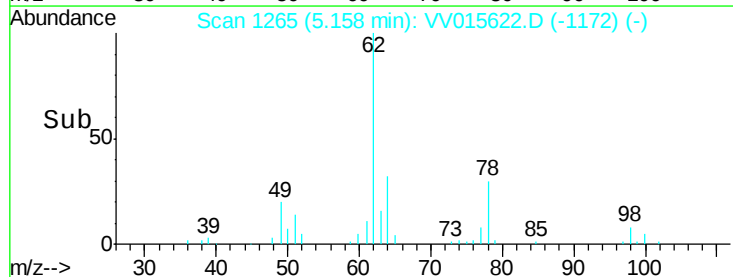
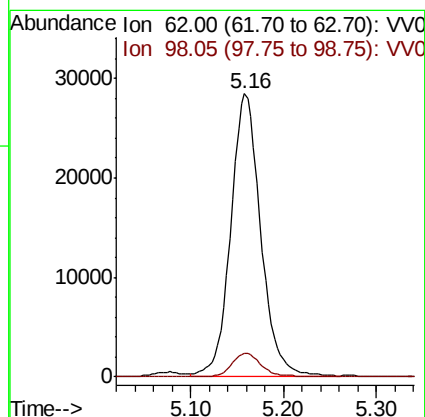
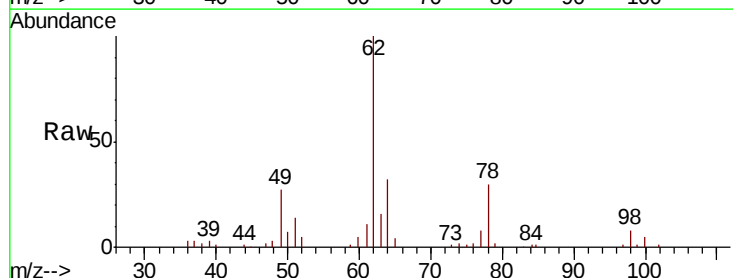
Instrument :
MSVOA_V
ClientSampleId :

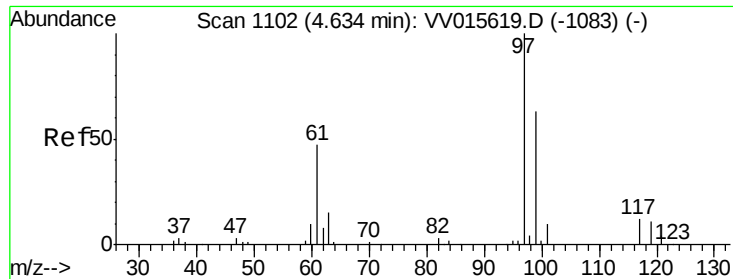
Tot Ion: 83 Resp: 95453
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.213 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

Tgt Ion: 62 Resp: 63613
Ion Ratio Lower Upper
62 100
98 8.1 6.3 9.5

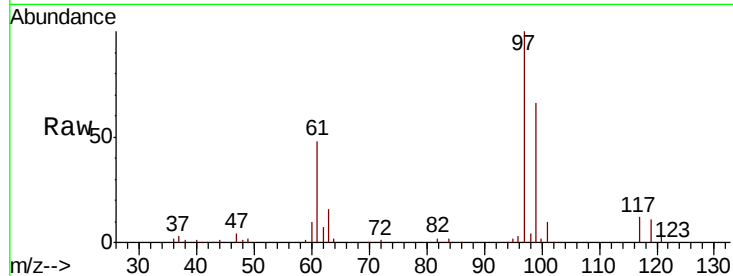




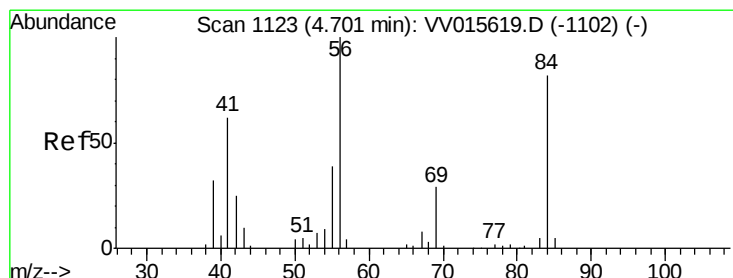
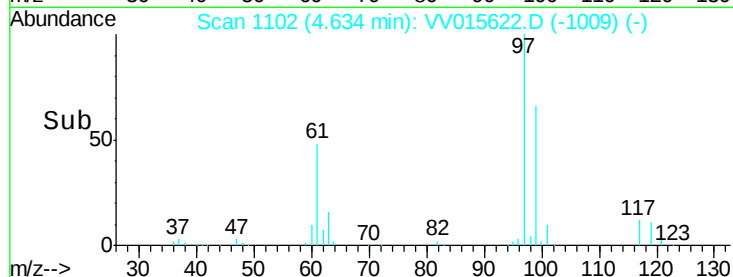
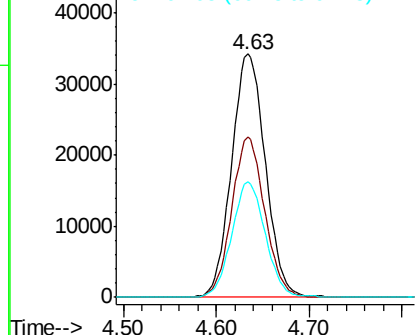
#29
 1,1,1-Trichloroethane
 Concen: 5.222 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 86631
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.6 77.4
 61 47.3 38.6 57.8

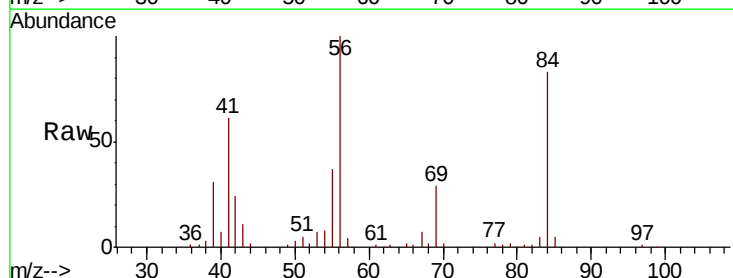


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

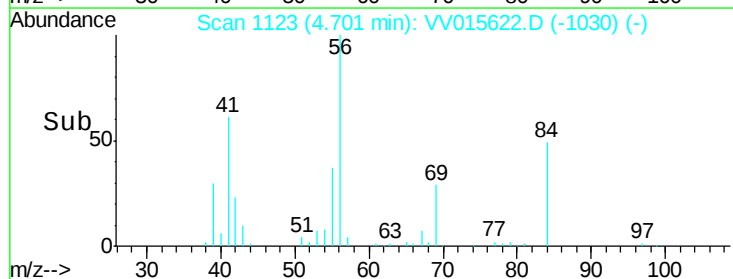
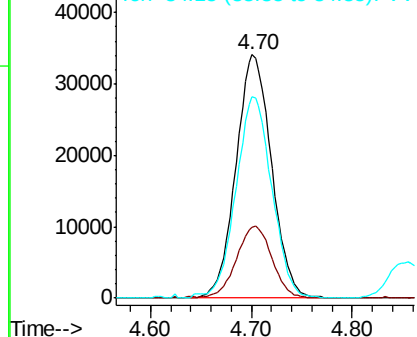


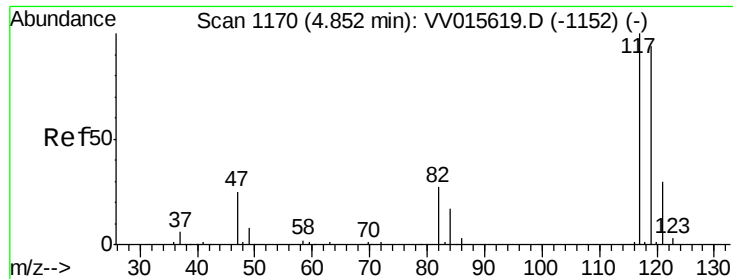
#30
 Cyclohexane
 Concen: 5.258 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Tgt Ion: 56 Resp: 83348
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.9 35.9
 84 83.7 66.9 100.3



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





#31

Carbon tetrachloride

Concen: 5.201 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

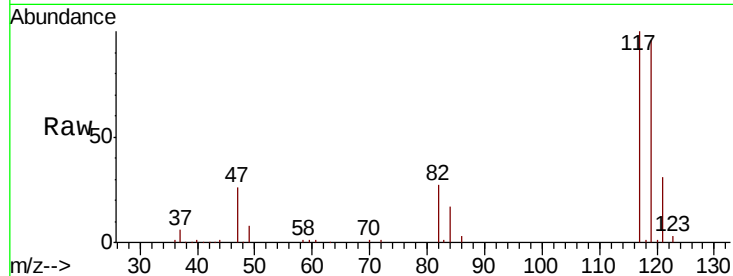
ClientSampleId :

Tot Ion:117 Resp: 71464

Ion Ratio Lower Upper

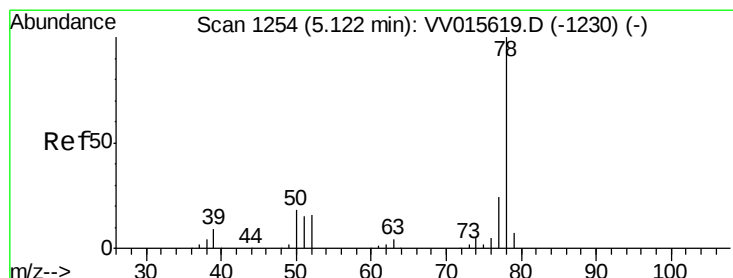
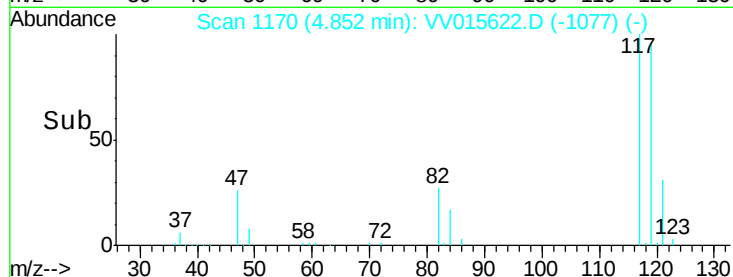
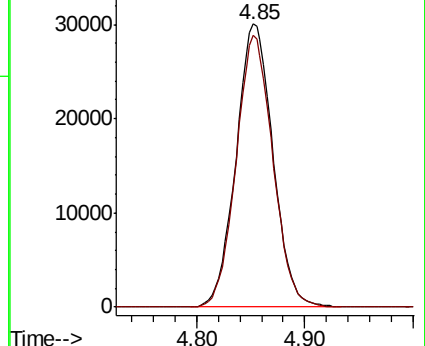
117 100

119 95.3 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.177 ug/L

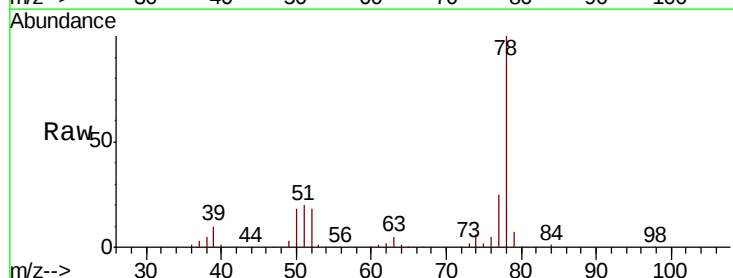
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

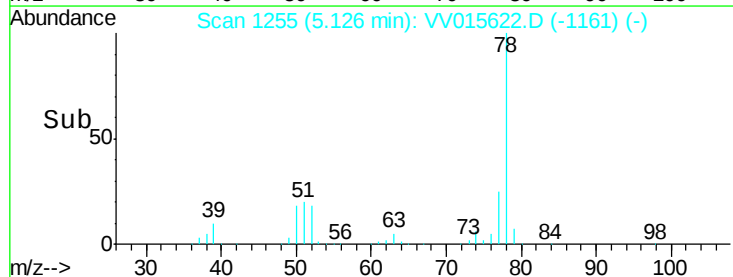
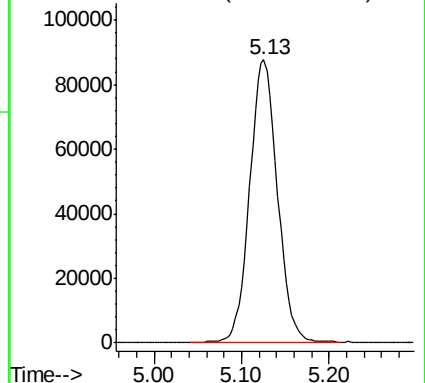
Lab File: VV015622.D

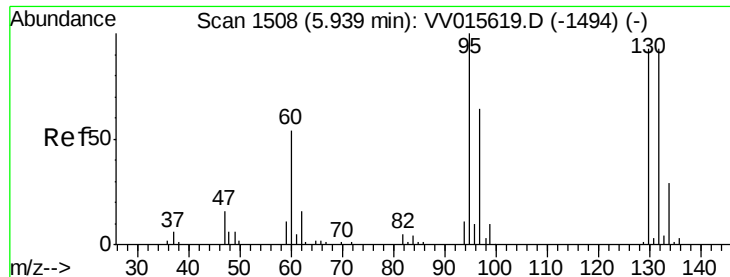
Acq: 22 Apr 2020 15:17

Tgt Ion: 78 Resp: 193516



Abundance Ion 78.10 (77.80 to 78.80): VV0

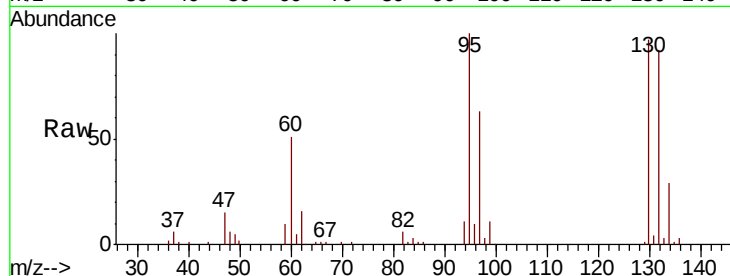




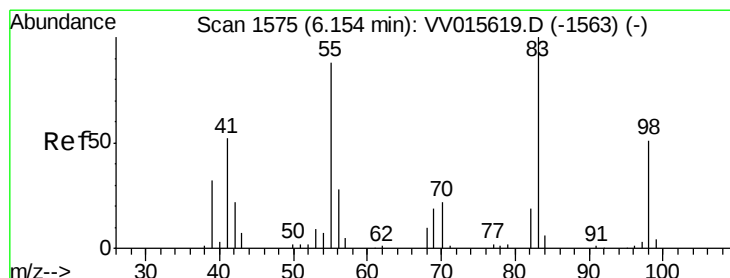
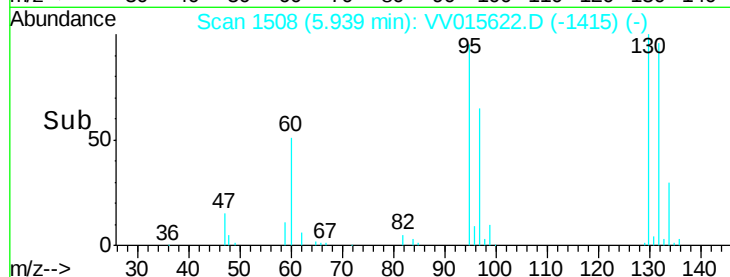
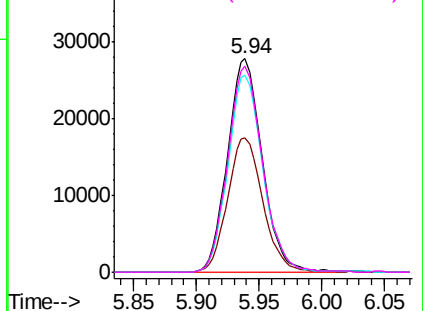
#34
 Trichloroethene
 Concen: 5.175 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 53421
 Ion Ratio Lower Upper
 95 100
 97 63.1 44.7 82.9
 132 92.4 65.2 121.0
 130 96.6 65.0 120.6

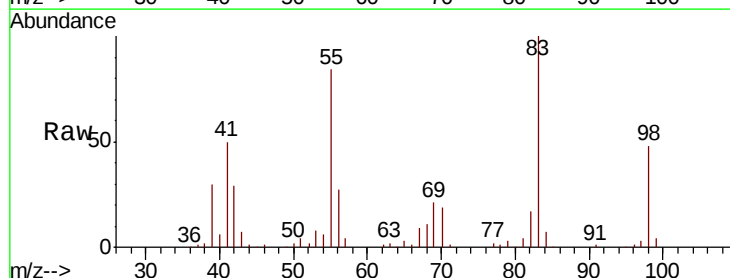


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

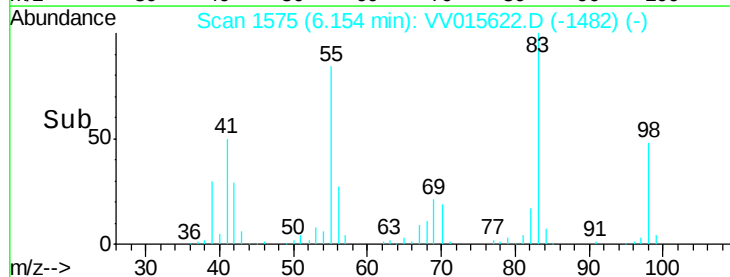
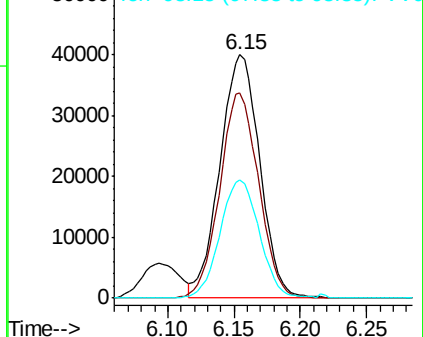


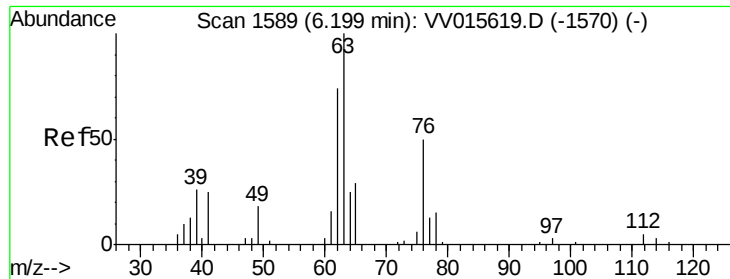
#35
 Methylcyclohexane
 Concen: 5.273 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Tgt Ion: 83 Resp: 83536
 Ion Ratio Lower Upper
 83 100
 55 82.4 66.6 99.8
 98 46.9 39.5 59.3



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





#37

1,2-Dichloropropane

Concen: 5.378 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

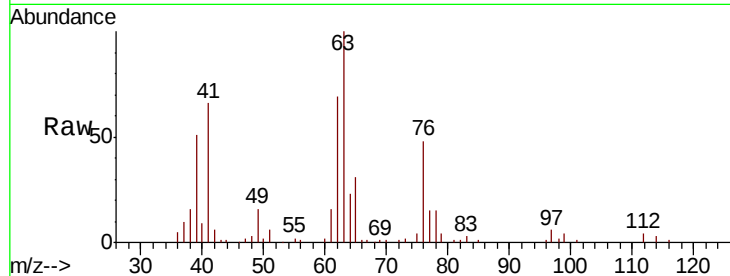
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 51092

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015619.D (-1570) (-)

Ion 112.10 (111.80 to 112.80): VV015619.D (-1570) (-)

6.20

25000

20000

15000

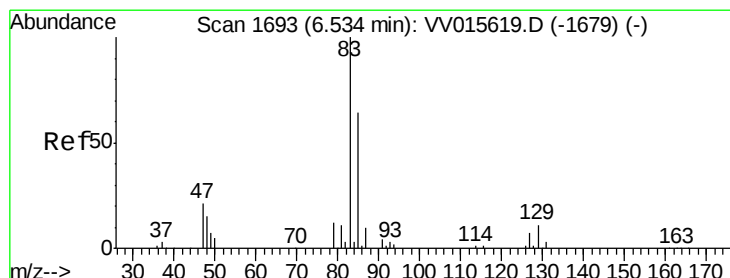
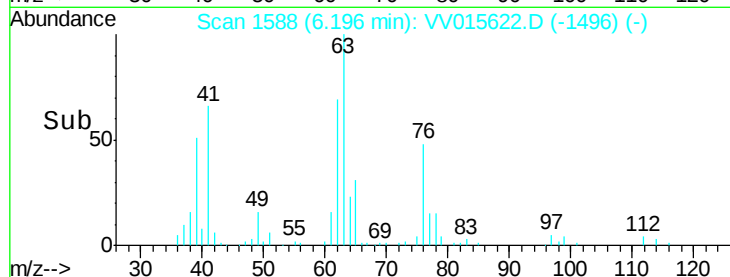
10000

5000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.248 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

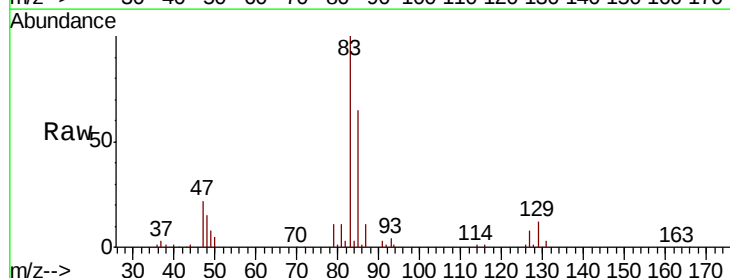
Tgt Ion: 83 Resp: 63308

Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1

127 8.3 5.8 8.6



Abundance Ion 82.95 (82.65 to 83.65): VV015619.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV015619.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV015619.D (-1679) (-)

6.53

40000

30000

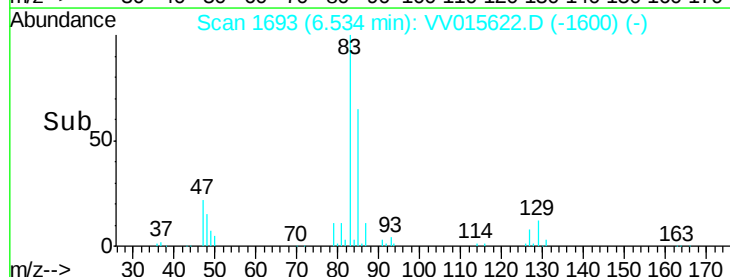
20000

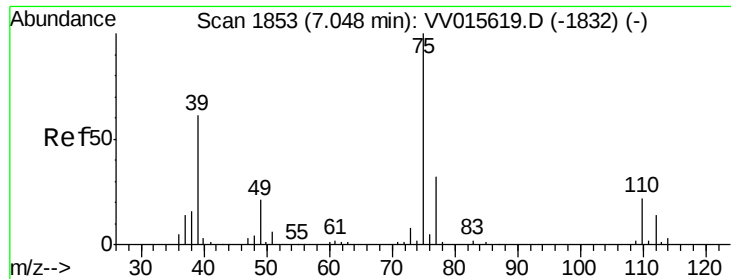
10000

0

6.50 6.60

Time-->

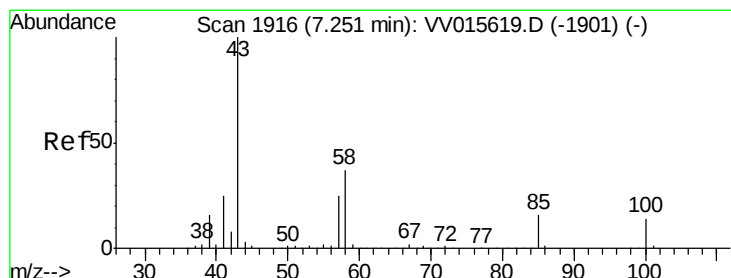
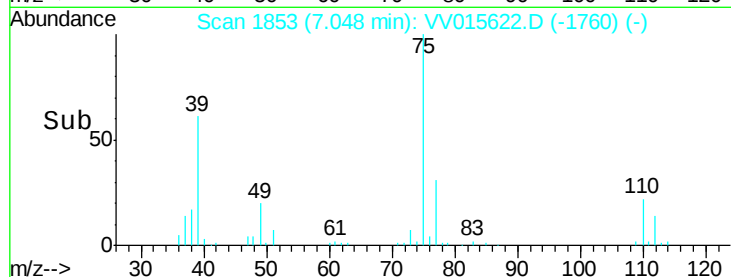
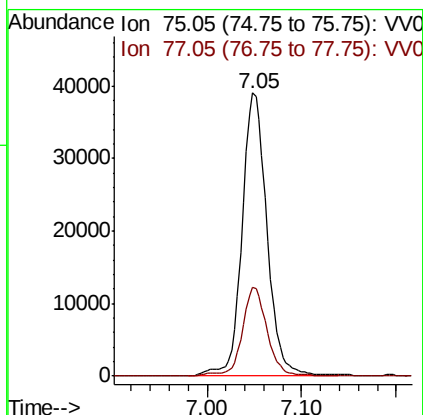
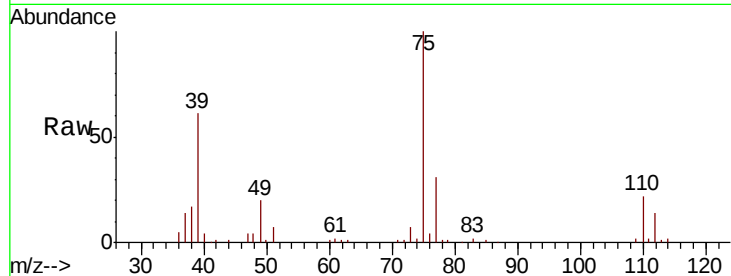




#39
 cis-1,3-Dichloropropene
 Concen: 5.416 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

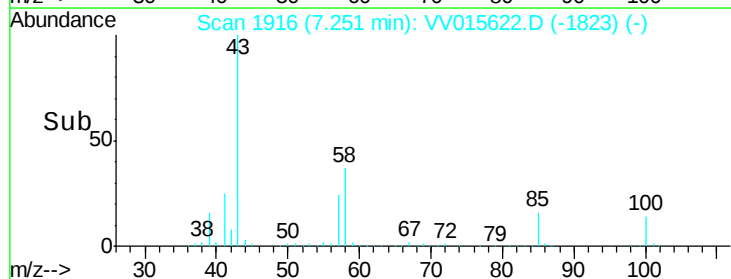
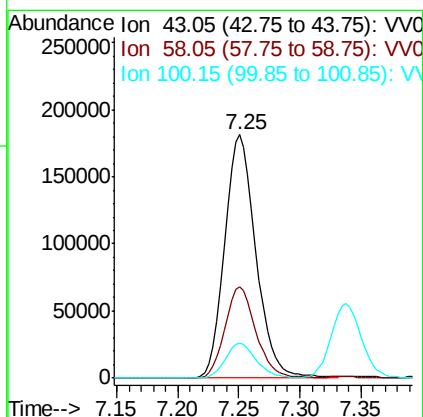
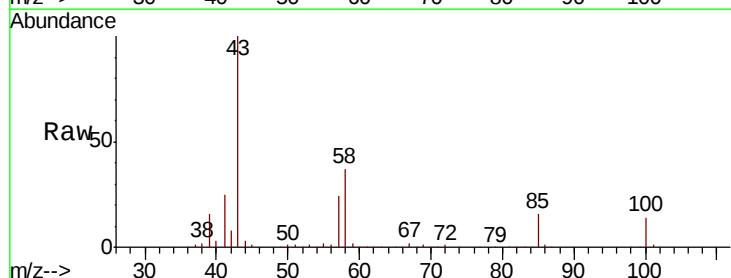
Instrument :
 MSVOA_V
 ClientSampled :

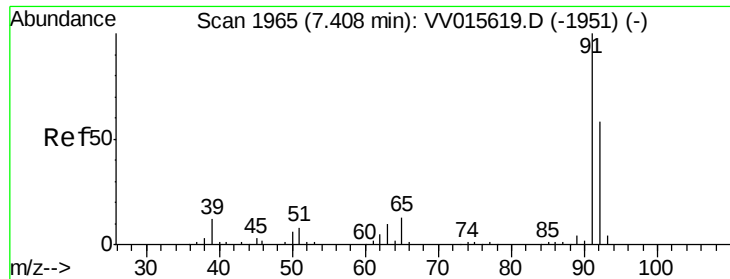
Tot Ion: 75 Resp: 71726
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 52.811 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Tgt Ion: 43 Resp: 325635
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.2 43.8
 100 14.3 11.4 17.2





#42

Toluene

Concen: 5.237 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

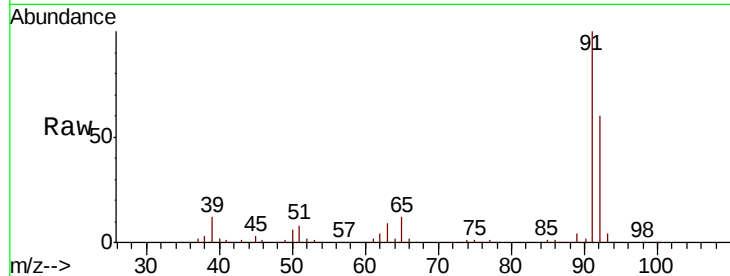
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 209160

Ion Ratio Lower Upper

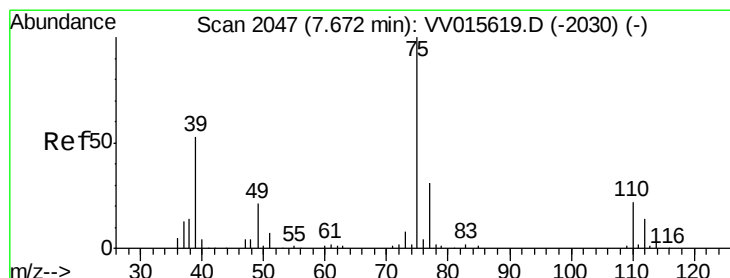
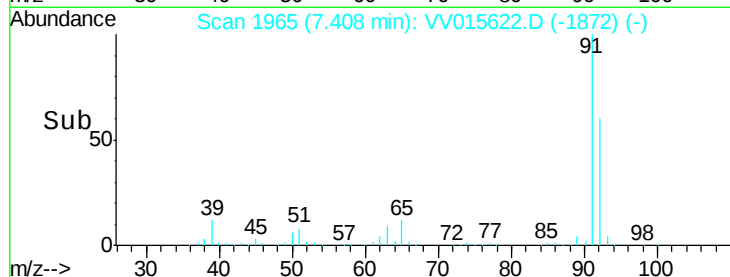
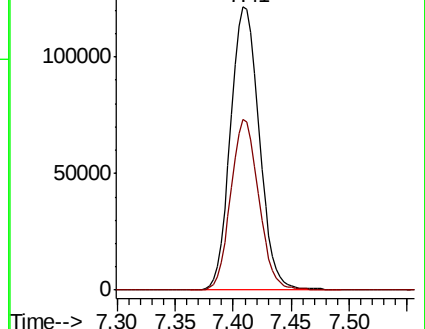
91 100

92 60.2 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.509 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015622.D

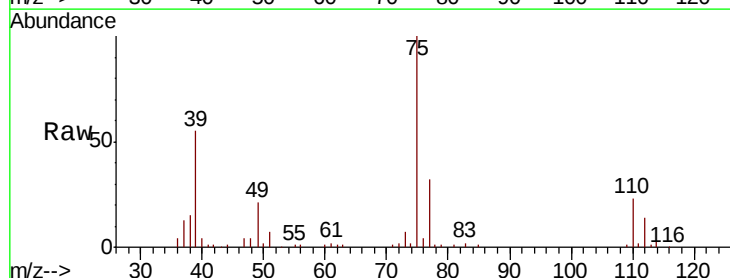
Acq: 22 Apr 2020 15:17

Tgt Ion: 75 Resp: 61307

Ion Ratio Lower Upper

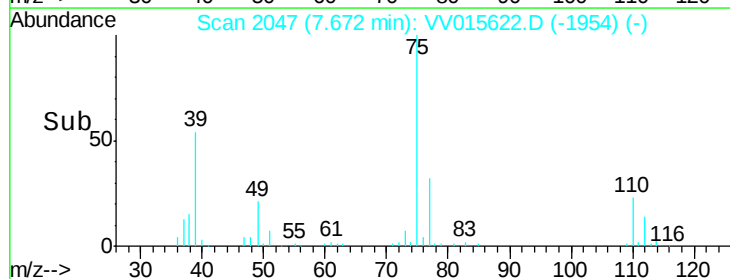
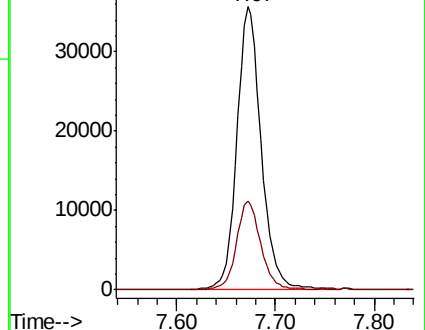
75 100

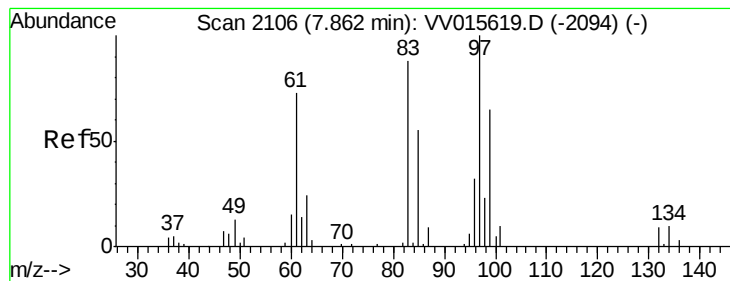
77 31.6 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.298 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 34310

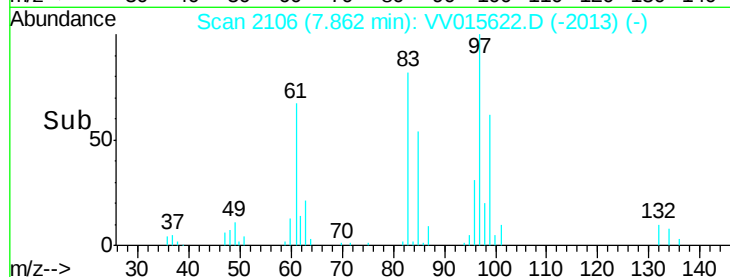
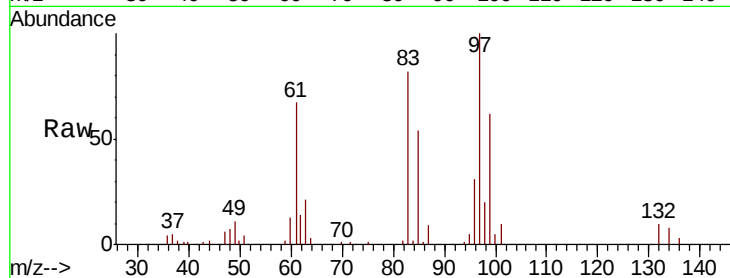
Ion Ratio Lower Upper

97 100

99 62.3 45.4 84.4

83 81.7 61.3 113.9

85 53.5 38.4 71.4



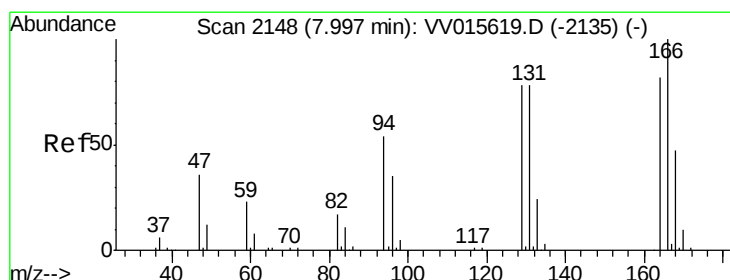
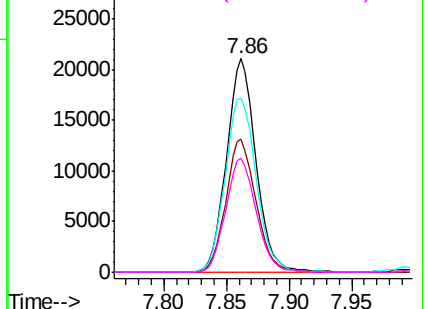
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.155 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Tgt Ion: 164 Resp: 38317

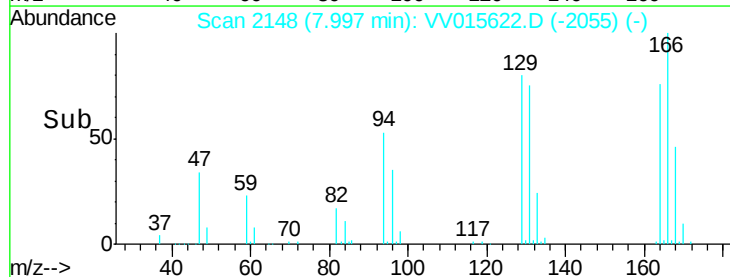
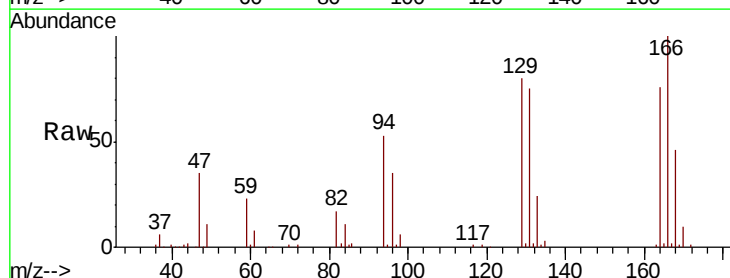
Ion Ratio Lower Upper

164 100

129 104.4 66.7 123.9

131 99.1 66.6 123.6

166 131.2 85.3 158.5



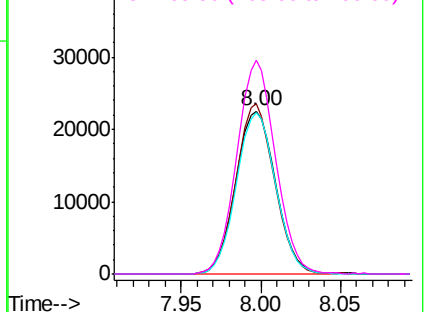
Abundance

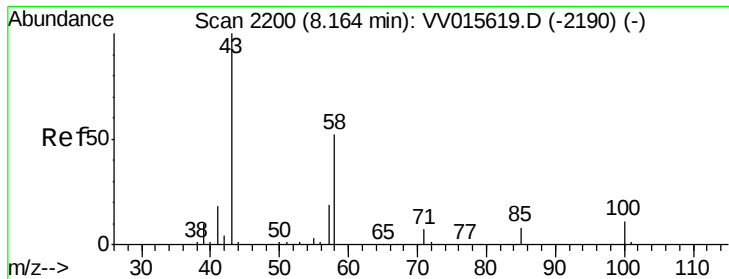
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

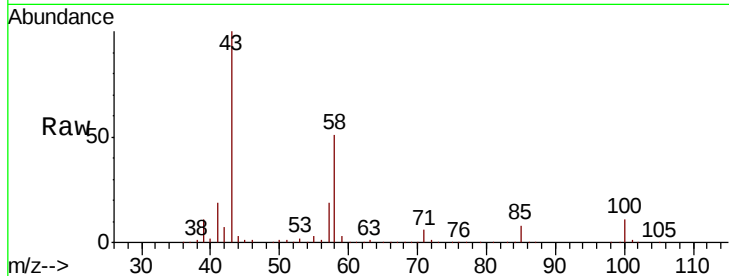




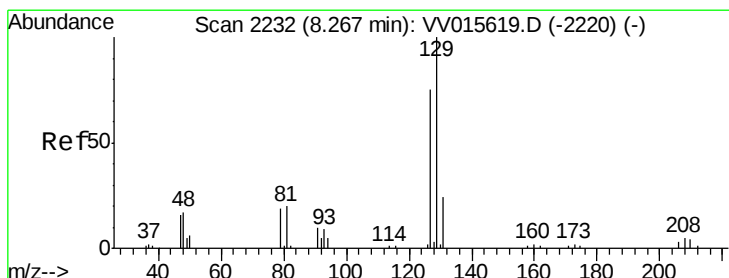
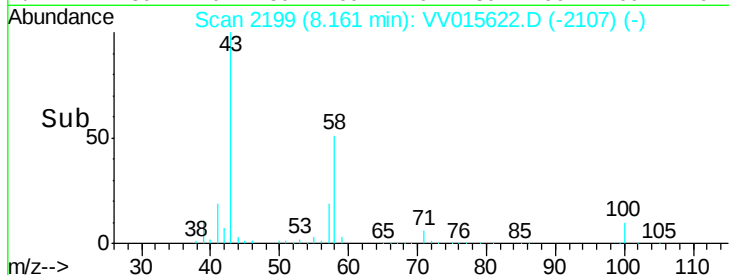
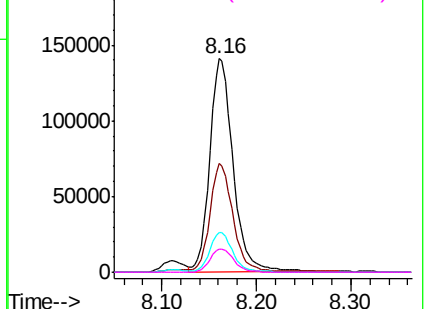
#48
2-Hexanone
Concen: 55.013 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 241896
Ion Ratio Lower Upper
43 100
58 50.6 41.1 61.7
57 18.2 15.0 22.4
100 11.1 9.0 13.4

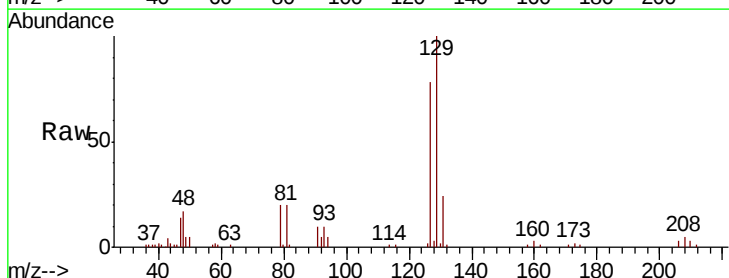


Abundance Ion 43.05 (42.75 to 43.75): VV015622.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015622.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015622.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015622.D (-2107) (-)

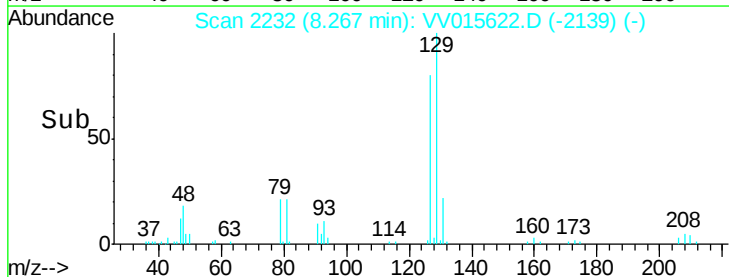
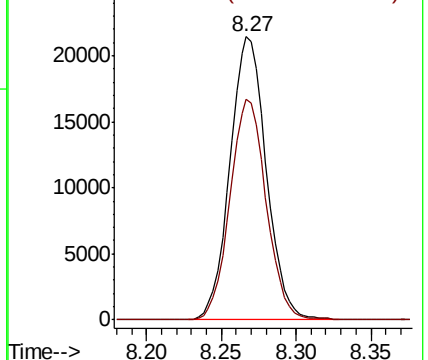


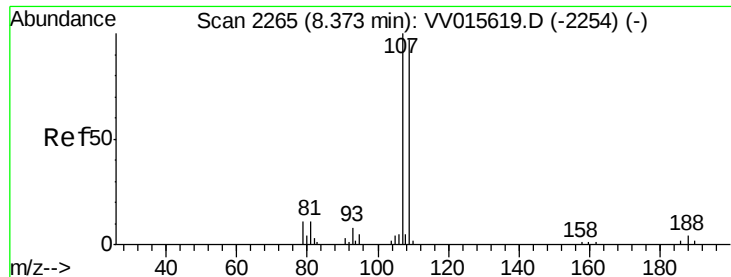
#49
Dibromochloromethane
Concen: 5.412 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

Tgt Ion: 129 Resp: 36271
Ion Ratio Lower Upper
129 100
127 77.8 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015622.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015622.D (-2139) (-)

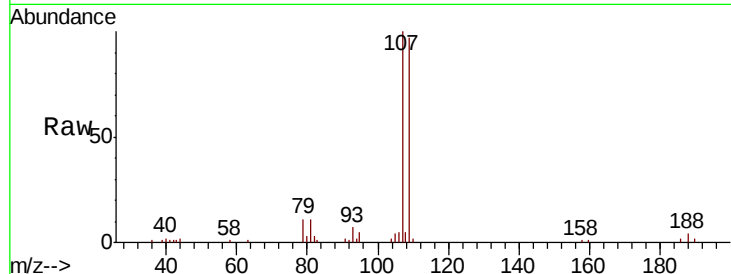




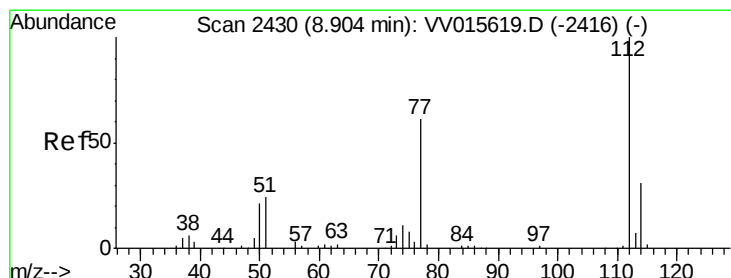
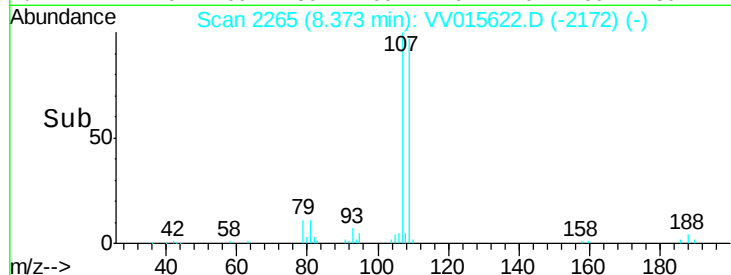
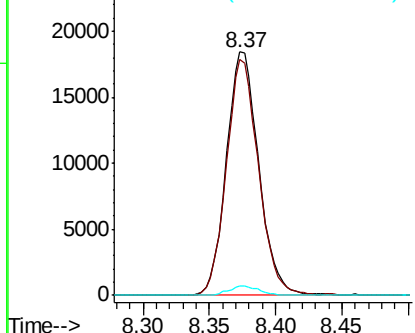
#50
1,2-Dibromoethane
Concen: 5.230 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 31318
Ion Ratio Lower Upper
107 100
109 97.0 68.1 126.5
188 3.9 3.2 4.8

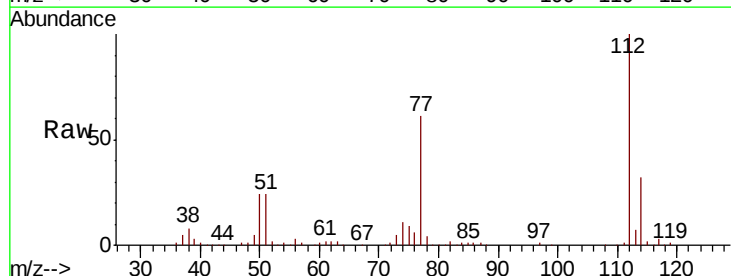


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

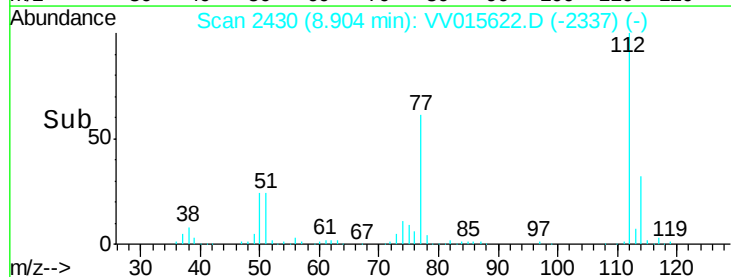
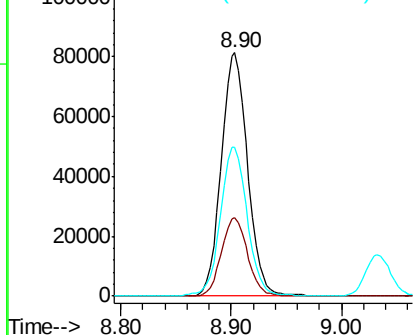


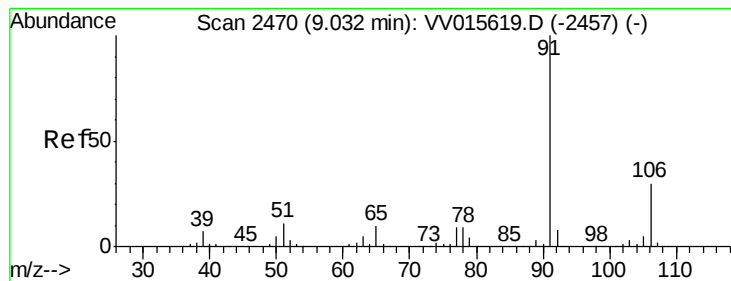
#51
Chlorobenzene
Concen: 5.140 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015622.D
Acq: 22 Apr 2020 15:17

Tgt Ion:112 Resp: 134476
Ion Ratio Lower Upper
112 100
114 32.2 21.6 40.2
77 61.2 48.9 73.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.289 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

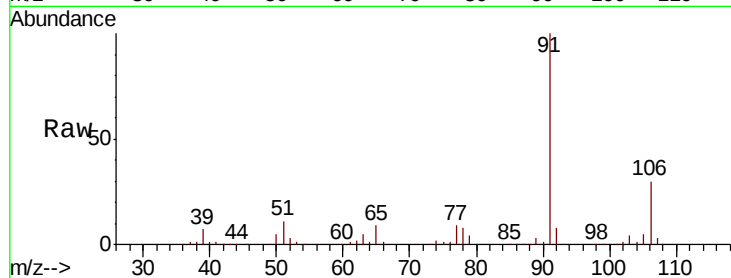
ClientSampleId :

Tot Ion: 91 Resp: 244428

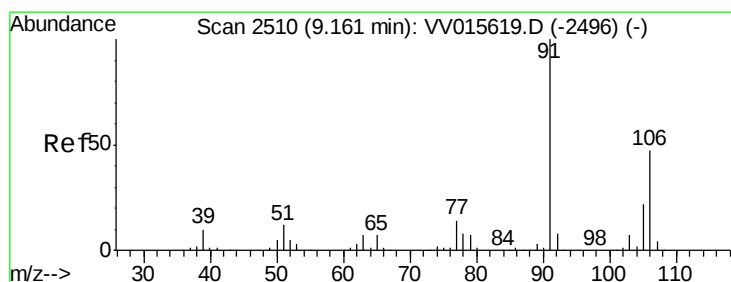
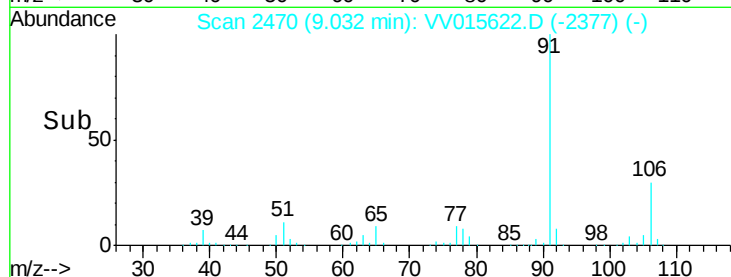
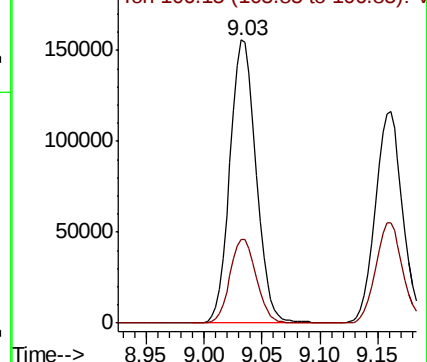
Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015622.D (-2377) (-)



#53

m,p-xylene

Concen: 5.312 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015622.D

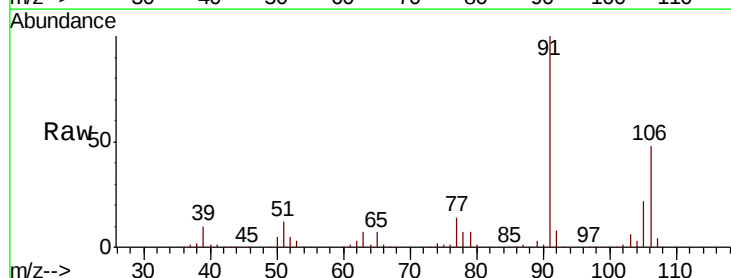
Acq: 22 Apr 2020 15:17

Tgt Ion: 106 Resp: 89927

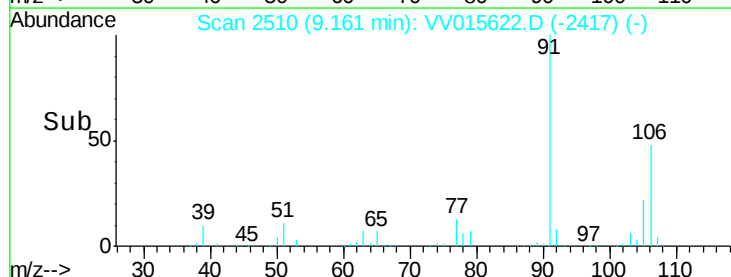
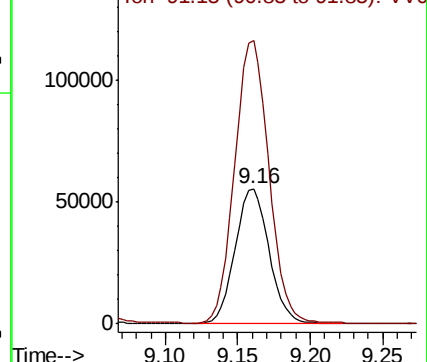
Ion Ratio Lower Upper

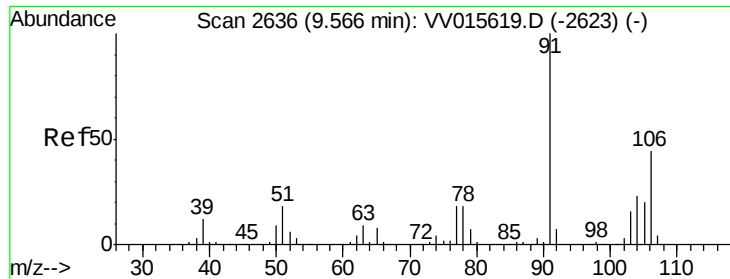
106 100

91 209.7 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015622.D (-2417) (-)





#54

o-xylene

Concen: 5.262 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

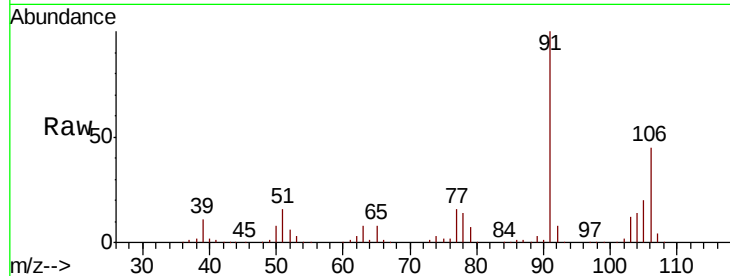
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 86190

Ion Ratio Lower Upper

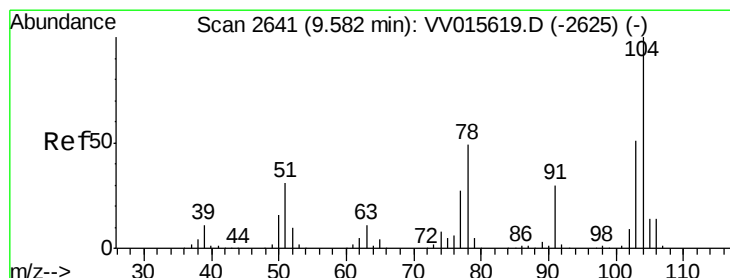
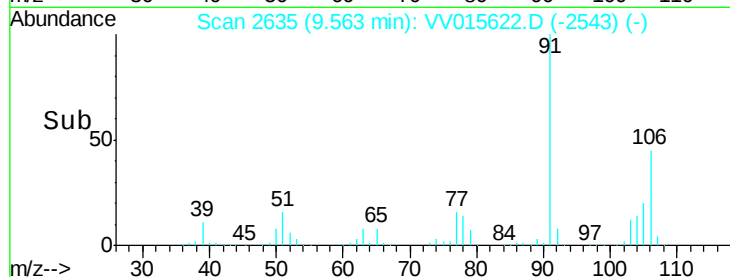
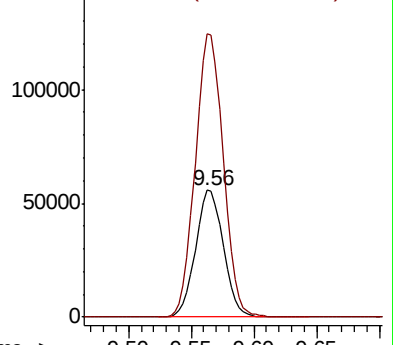
106 100

91 223.5 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.348 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015622.D

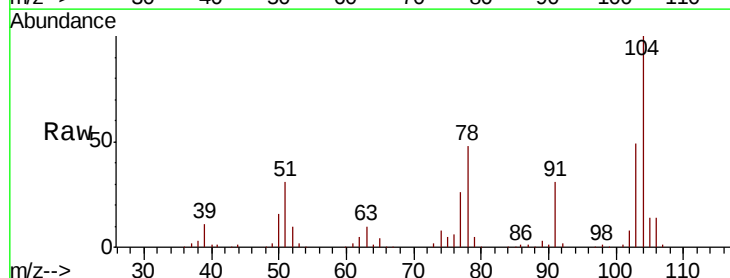
Acq: 22 Apr 2020 15:17

Tgt Ion:104 Resp: 148655

Ion Ratio Lower Upper

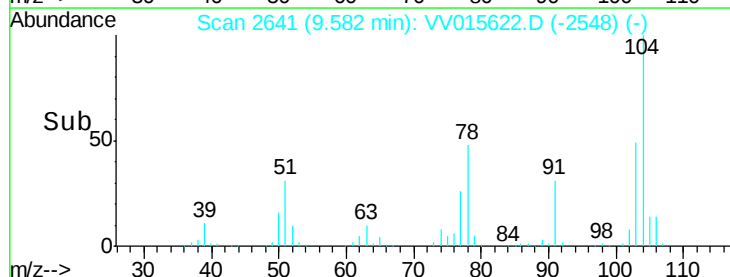
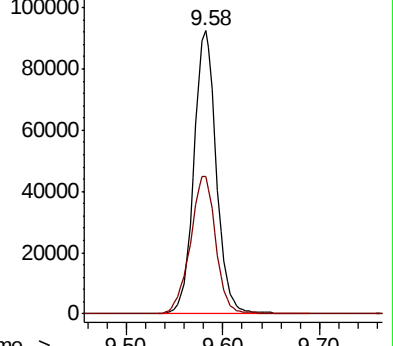
104 100

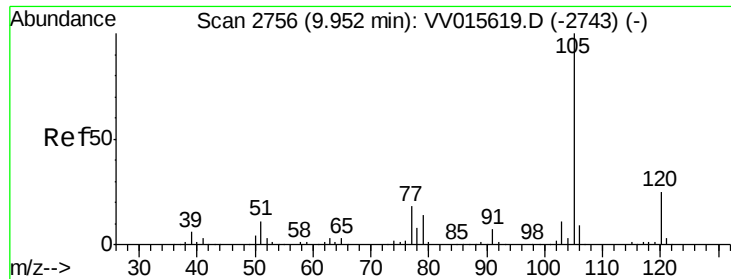
78 48.4 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.258 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

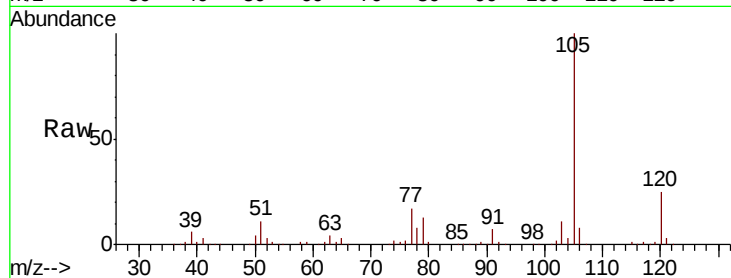
Tot Ion:105 Resp: 241641

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

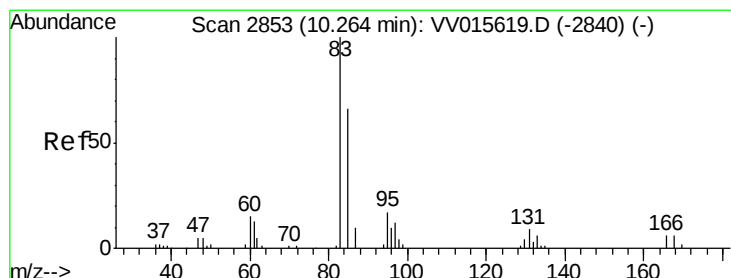
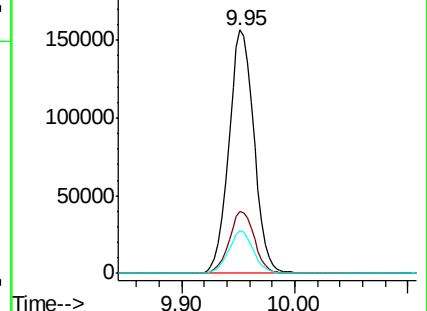
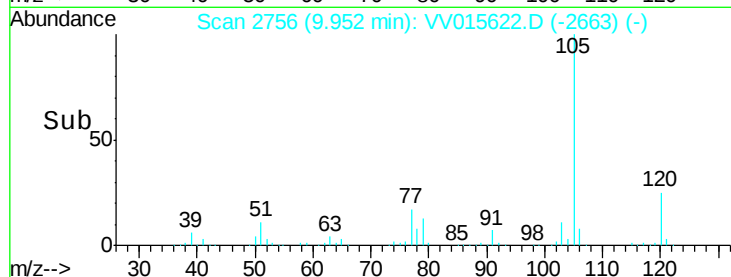
77 17.2 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.206 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

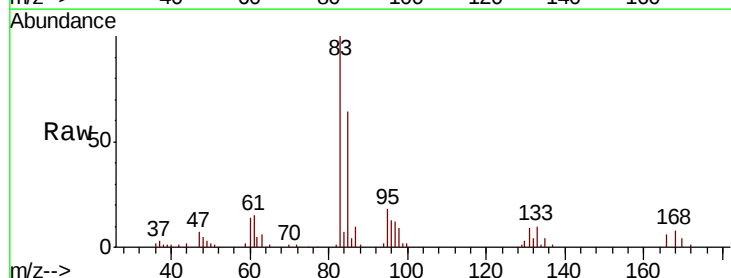
Tgt Ion: 83 Resp: 39365

Ion Ratio Lower Upper

83 100

85 63.6 46.3 85.9

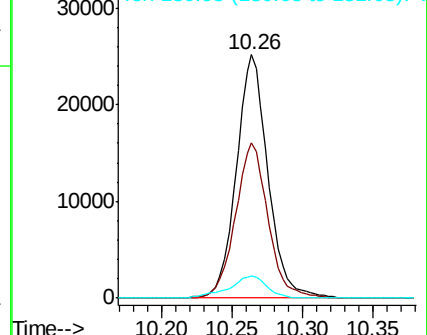
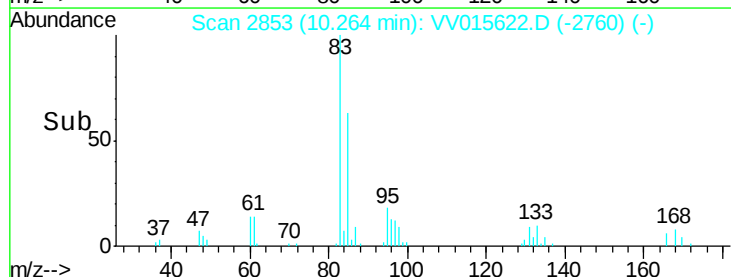
131 9.0 7.7 11.5

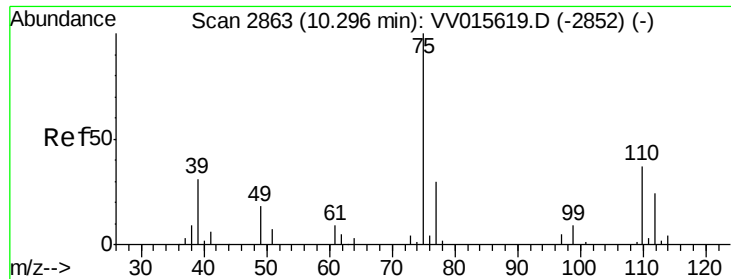


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.125 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

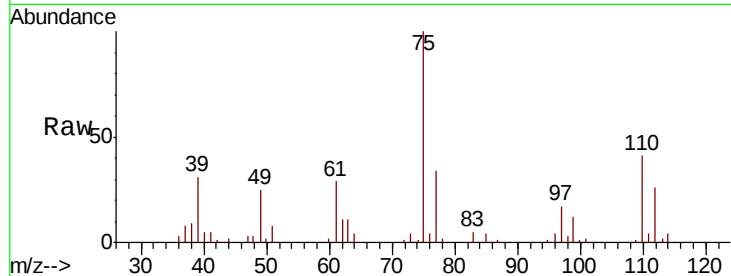
ClientSampleId :

Tot Ion: 75 Resp: 31089

Ion Ratio Lower Upper

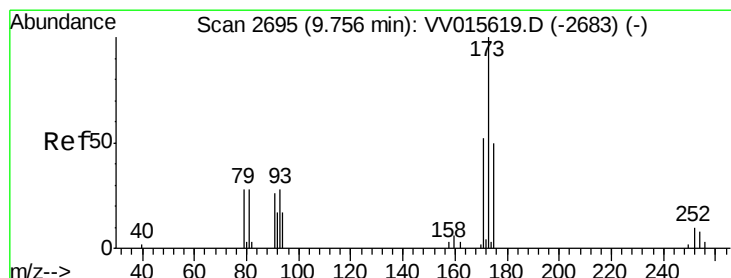
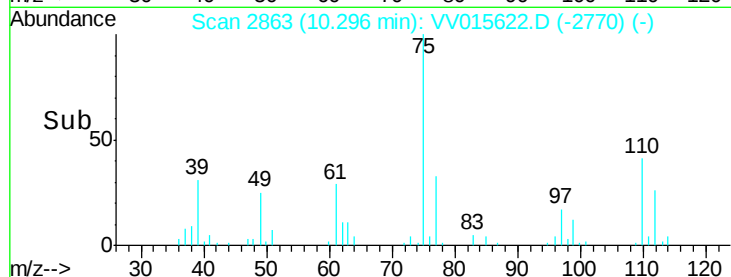
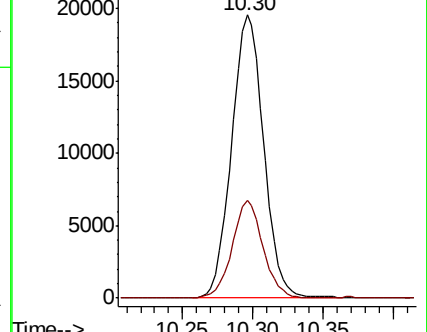
75 100

77 33.0 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015619.D (-2852) (-)

Ion 77.00 (76.70 to 77.70): VV015619.D (-2852) (-)



#61

Bromoform

Concen: 5.553 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

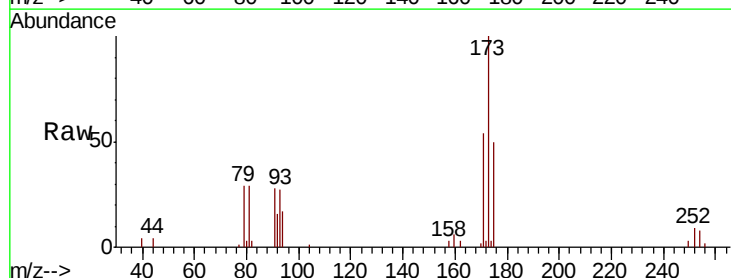
Tgt Ion: 173 Resp: 15288

Ion Ratio Lower Upper

173 100

175 49.0 39.8 59.8

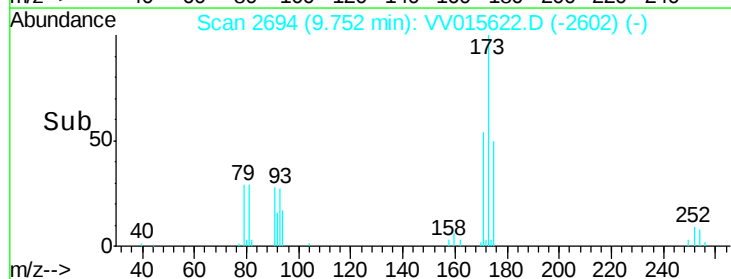
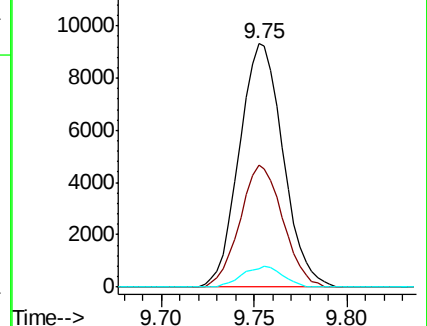
254 7.9 5.8 8.8

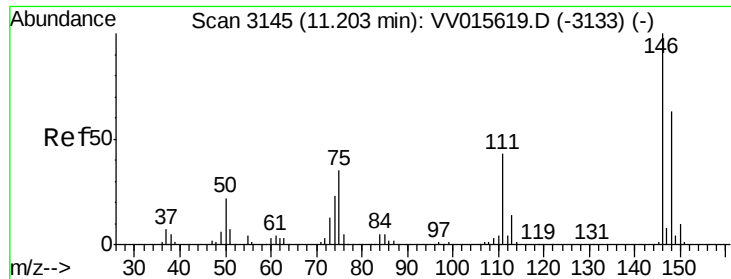


Abundance Ion 172.90 (172.60 to 173.60): VV015619.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015619.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015619.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 5.296 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

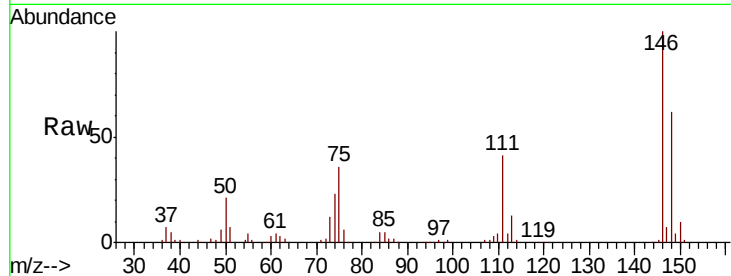
Tot Ion:146 Resp: 111790

Ion Ratio Lower Upper

146 100

111 41.3 30.0 55.6

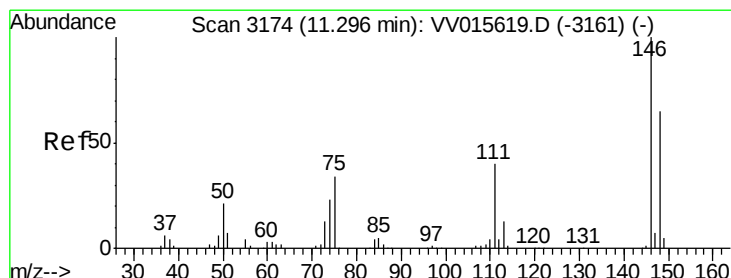
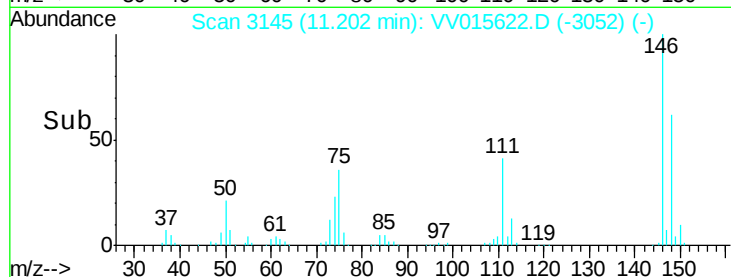
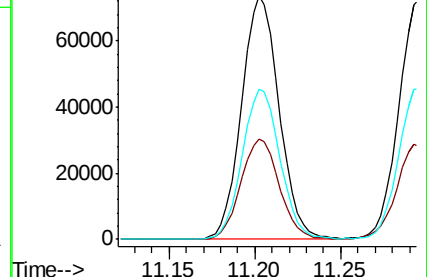
148 61.9 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.208 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

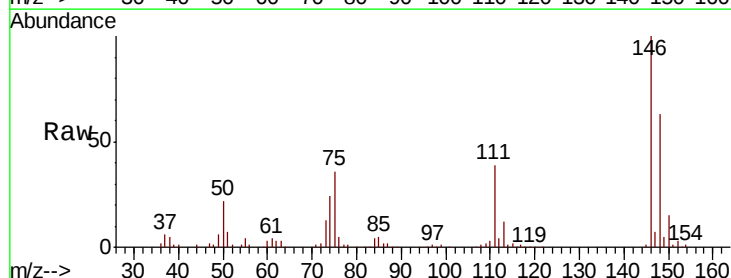
Tgt Ion:146 Resp: 110871

Ion Ratio Lower Upper

146 100

111 39.1 28.2 52.4

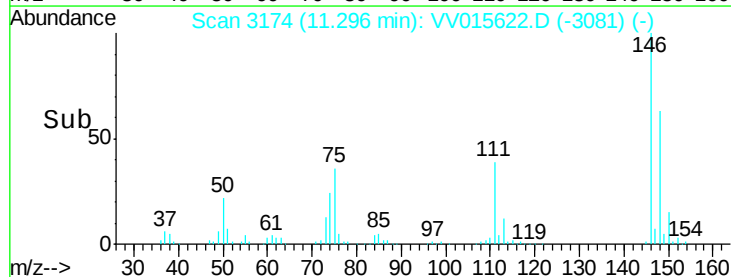
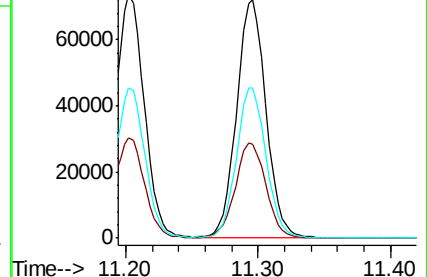
148 63.0 45.7 84.9

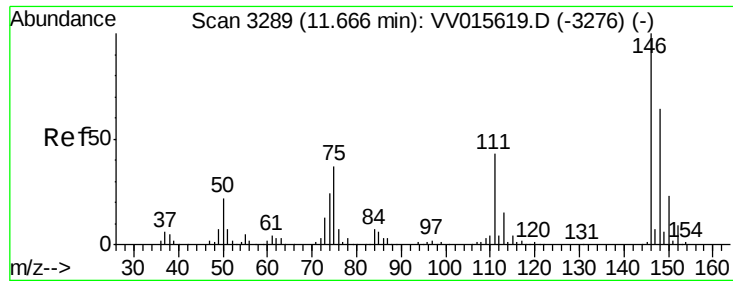


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.295 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

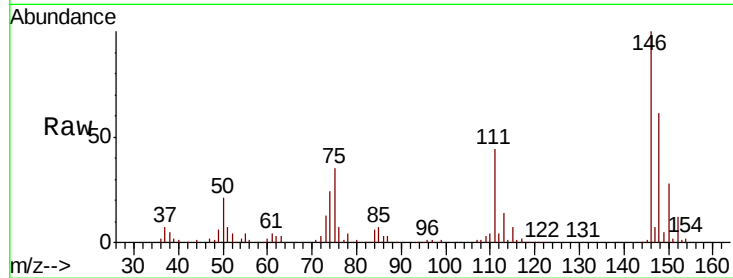
Tot Ion:146 Resp: 101086

Ion Ratio Lower Upper

146 100

111 44.3 34.7 52.1

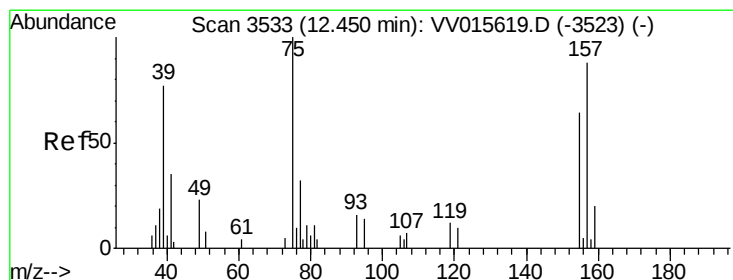
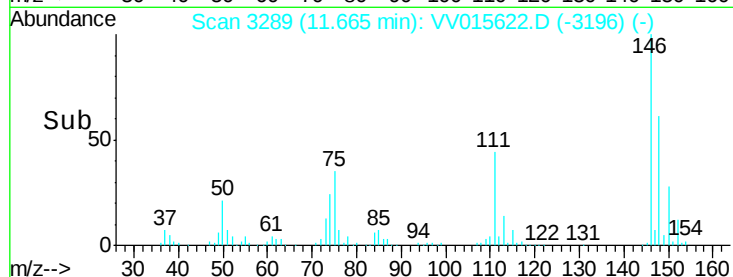
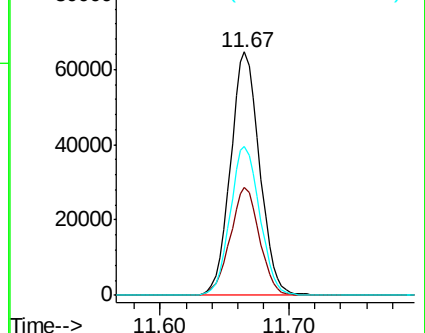
148 61.2 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.401 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

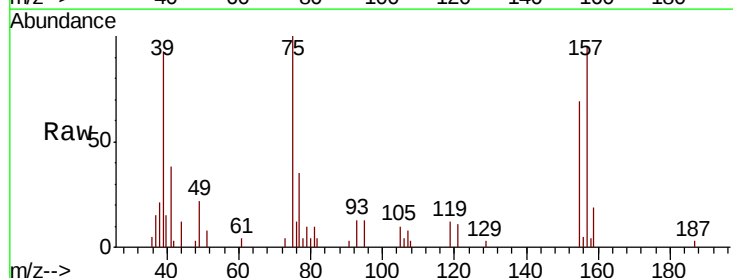
Tgt Ion: 75 Resp: 6718

Ion Ratio Lower Upper

75 100

155 69.2 51.0 76.4

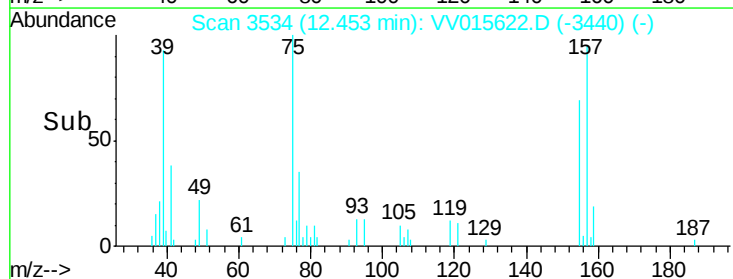
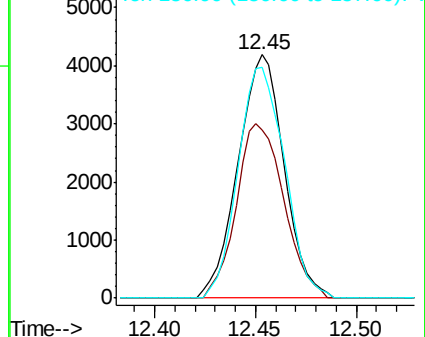
157 94.7 70.6 106.0

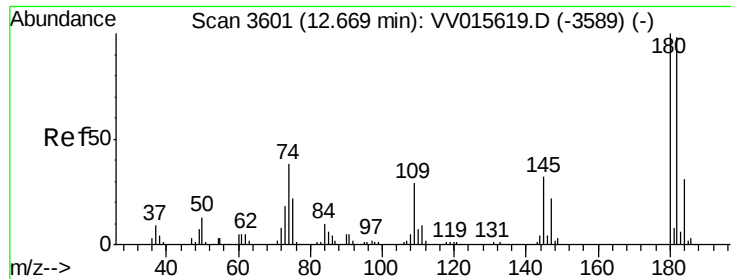


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

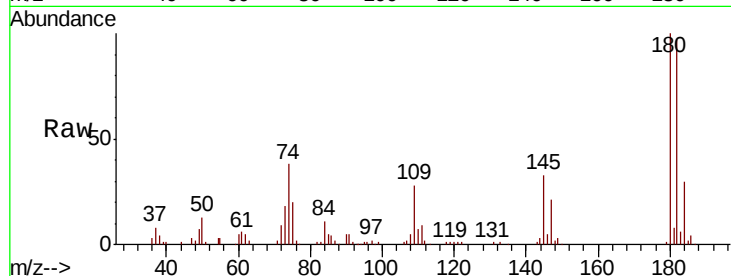




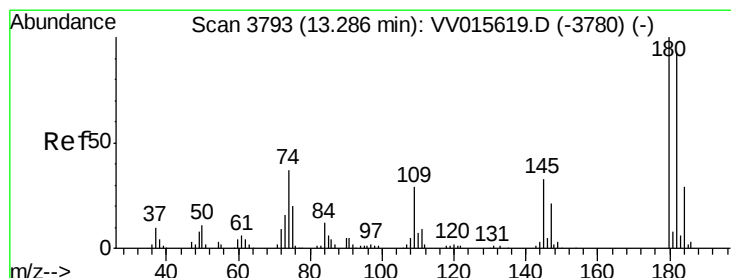
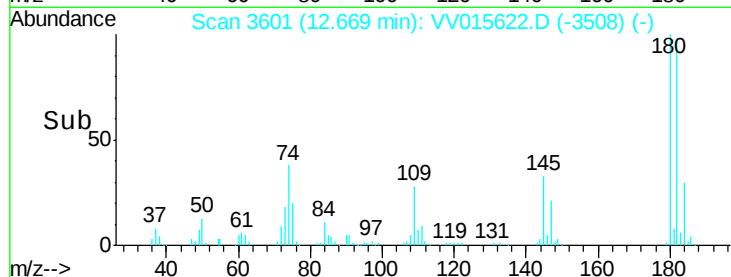
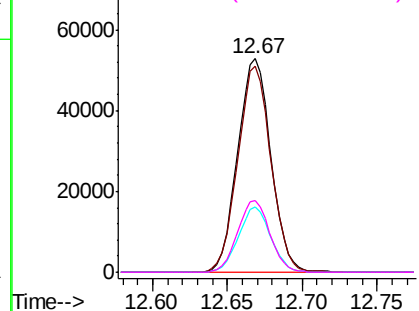
#67
 1,3,5-Trichlorobenzene
 Concen: 5.252 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 81926
 Ion Ratio Lower Upper
 180 100
 182 95.7 78.2 117.4
 184 29.5 25.0 37.4
 145 32.3 26.4 39.6

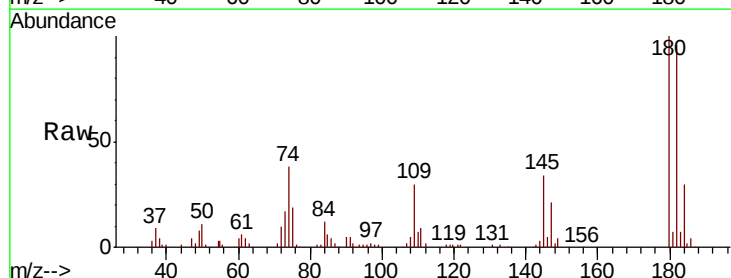


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

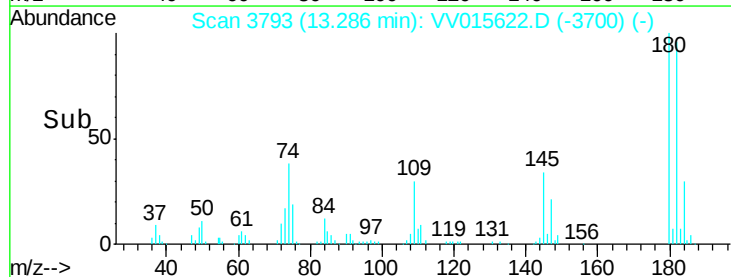
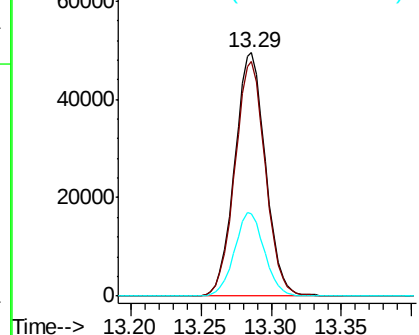


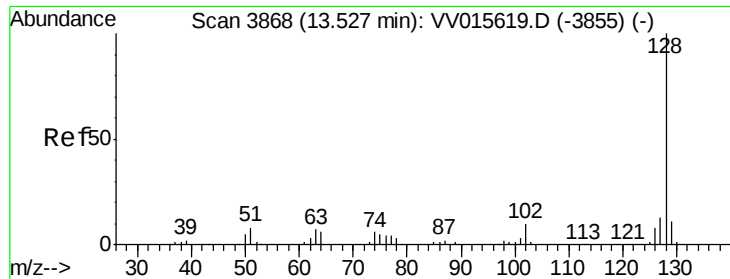
#68
 1,2,4-trichlorobenzene
 Concen: 5.259 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015622.D
 Acq: 22 Apr 2020 15:17

Tgt Ion:180 Resp: 75507
 Ion Ratio Lower Upper
 180 100
 182 95.4 74.8 112.2
 145 33.5 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.456 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

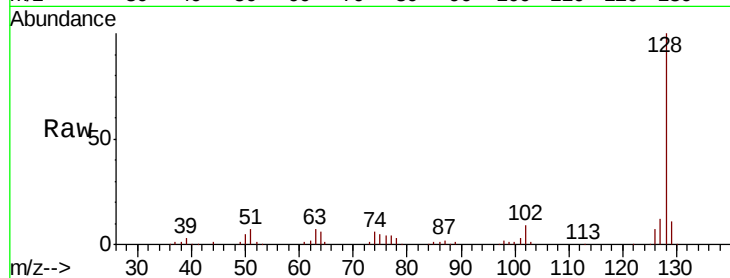
Tot Ion:128 Resp: 140196

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

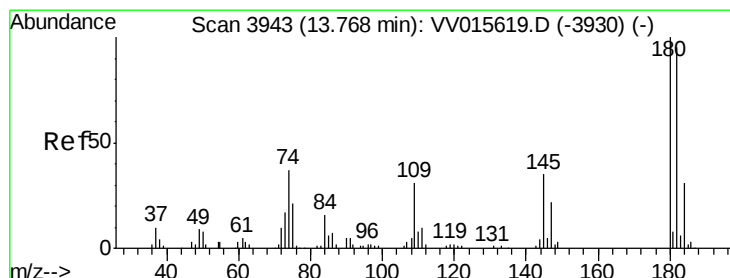
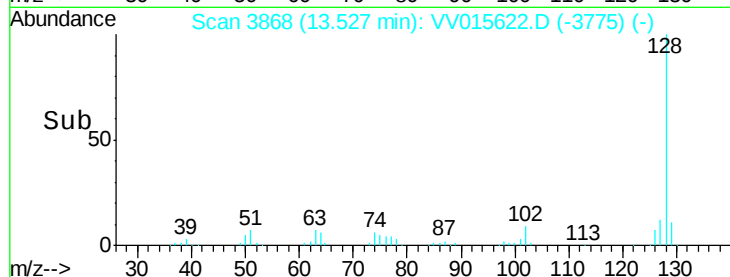
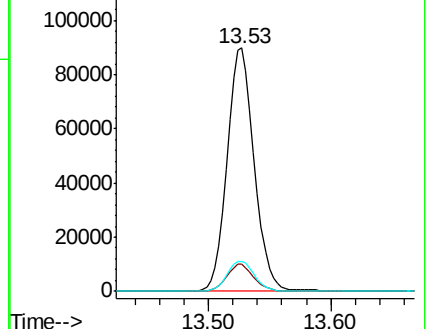
127 12.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.291 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015622.D

Acq: 22 Apr 2020 15:17

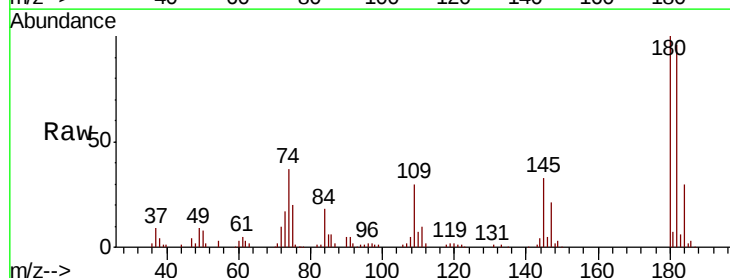
Tgt Ion:180 Resp: 67044

Ion Ratio Lower Upper

180 100

182 96.1 74.8 112.2

145 34.0 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

