

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015545.D
 Acq On : 17 Apr 2020 10:34
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:33:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 15:05:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	104985	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	99476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	50560	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26514	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.57	69	24410	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.12	63	57866	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	3.94	46	76002	49.69	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.38%
24) Chloroform-d	4.37	84	58914	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	31062	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.07	84	107361	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.09	67	34075	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.34	98	101103	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.64	79	14037	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.11	63	62456	43.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.64%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23220	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	36351	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	50025	4.814 ug/L	99
3) Chloromethane	1.24	50	47917	4.842 ug/L	99
5) Vinyl chloride	1.32	62	45918	4.819 ug/L	98
6) Bromomethane	1.53	94	25337	4.812 ug/L	99
8) Chloroethane	1.59	64	28638	5.182 ug/L	97
9) Trichlorofluoromethane	1.76	101	62359	5.115 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	35438	5.146 ug/L	99
12) 1,1-Dichloroethene	2.13	96	33227	5.042 ug/L	96
13) Acetone	2.46	43	11889	11.002 ug/L	82
14) Carbon disulfide	2.30	76	100607	4.379 ug/L	100
15) Methyl Acetate	2.46	43	13685	4.280 ug/L #	90
16) Methylene chloride	2.52	84	37166	4.814 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	90068	5.114 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	36430	4.905 ug/L	97
19) 1,1-Dichloroethane	3.21	63	73369	5.241 ug/L	98
21) 2-Butanone	4.02	43	98132	56.196 ug/L #	72
22) cis-1,2-Dichloroethene	3.94	96	39368	5.106 ug/L	100

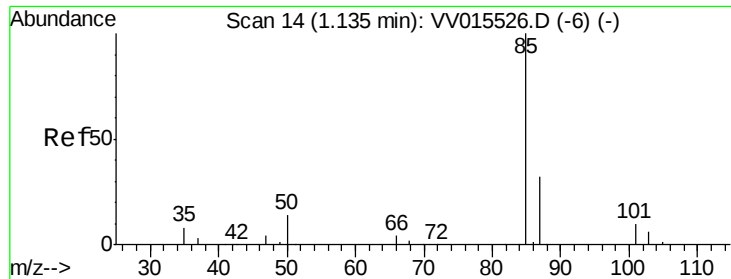
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015545.D
 Acq On : 17 Apr 2020 10:34
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Instrument :
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 ClientSampleId :

Quant Time: Apr 18 00:33:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	16551	5.159	ug/L	97
25) Chloroform	4.40	83	75193	5.248	ug/L	97
27) 1,2-Dichloroethane	5.15	62	47510	5.129	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	68505	5.308	ug/L	98
30) Cyclohexane	4.70	56	65824	4.804	ug/L	99
31) Carbon tetrachloride	4.85	117	58535	5.211	ug/L	99
33) Benzene	5.12	78	152384	5.118	ug/L	100
34) Trichloroethene	5.94	95	43591	5.440	ug/L	99
35) Methylcyclohexane	6.15	83	66396	4.918	ug/L	100
37) 1,2-Dichloropropane	6.20	63	39685	5.374	ug/L	99
38) Bromodichloromethane	6.53	83	50625	5.141	ug/L	94
39) cis-1,3-Dichloropropene	7.05	75	58078	5.125	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	236324	48.738	ug/L	99
42) Toluene	7.41	91	163214	5.049	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	48827	5.095	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	25607	5.159	ug/L	96
47) Tetrachloroethene	8.00	164	30685	5.168	ug/L	98
48) 2-Hexanone	8.16	43	170200	50.237	ug/L	99
49) Dibromochloromethane	8.27	129	30026	5.050	ug/L	99
50) 1,2-Dibromoethane	8.37	107	24267	5.101	ug/L	95
51) Chlorobenzene	8.90	112	103895	5.042	ug/L	99
52) Ethylbenzene	9.03	91	188346	5.062	ug/L	100
53) m,p-xylene	9.16	106	69987	4.980	ug/L	98
54) o-xylene	9.56	106	68348	5.025	ug/L	97
55) Styrene	9.58	104	115951	5.072	ug/L	98
56) Isopropylbenzene	9.95	105	188126	5.045	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	27395	4.534	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	23044	5.047	ug/L	98
61) Bromoform	9.75	173	13808	4.656	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	82787	5.078	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	84273	5.080	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	74847	5.036	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	5538	4.870	ug/L	87
67) 1,3,5-Trichlorobenzene	12.67	180	63685	5.407	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	55405	5.222	ug/L	99
69) Naphthalene	13.53	128	93643	4.684	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	48526	5.177	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.814 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

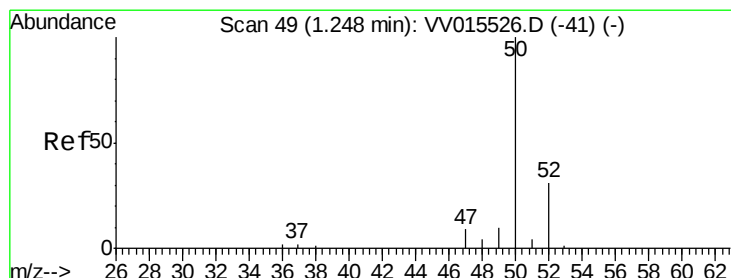
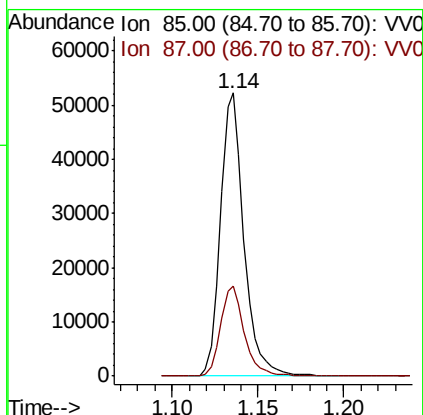
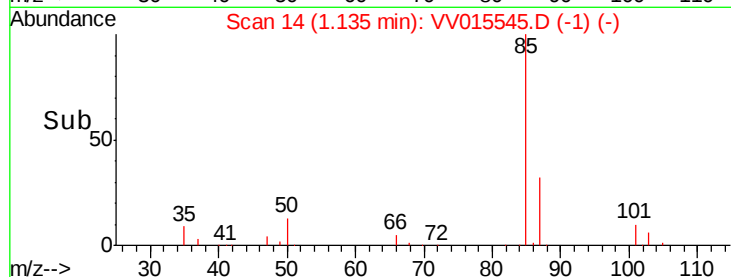
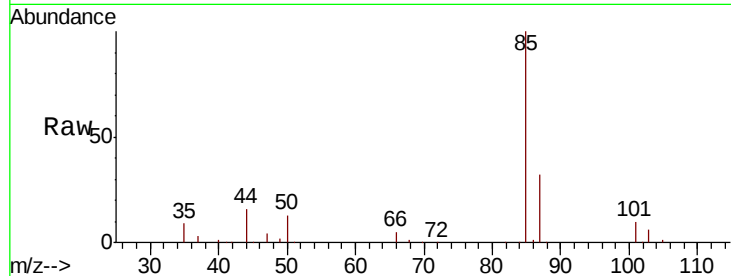
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 50025

Ion Ratio Lower Upper

85 100

87 32.1 25.3 37.9



#3

Chloromethane

Concen: 4.842 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015545.D

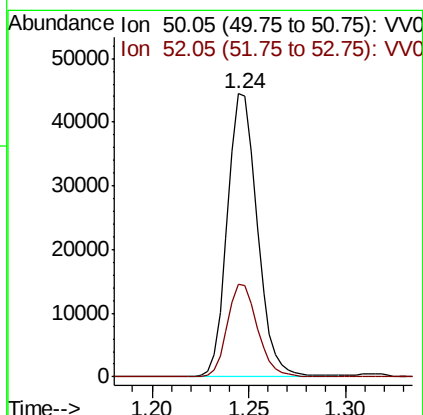
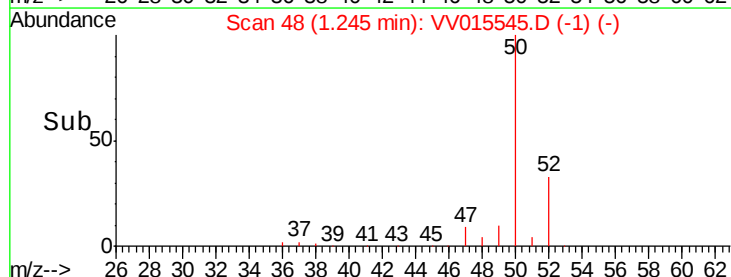
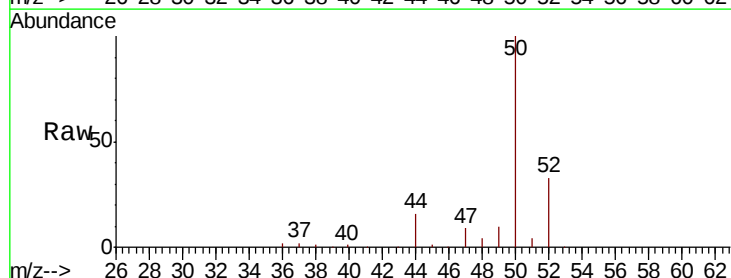
Acq: 17 Apr 2020 10:34

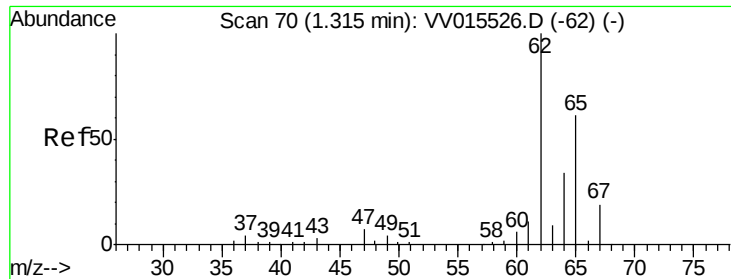
Tgt Ion: 50 Resp: 47917

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.1





#5

Vinyl chloride

Concen: 4.819 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

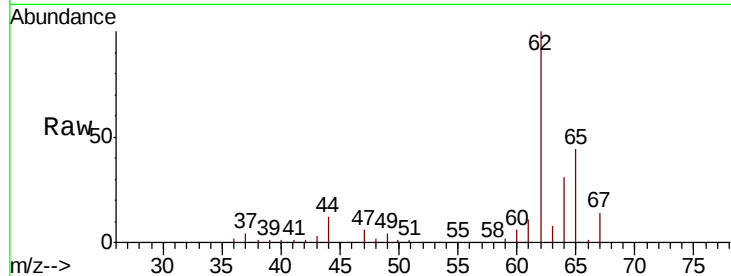
ClientSampled :

Tot Ion: 62 Resp: 45918

Ion Ratio Lower Upper

62 100

64 30.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

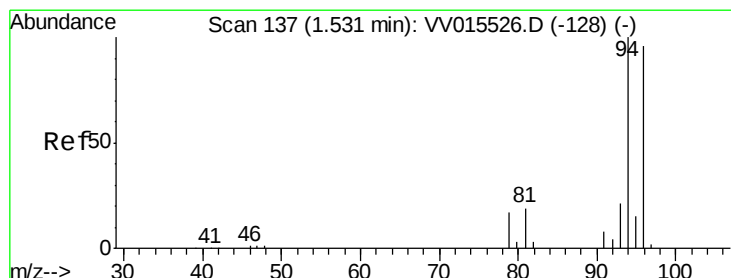
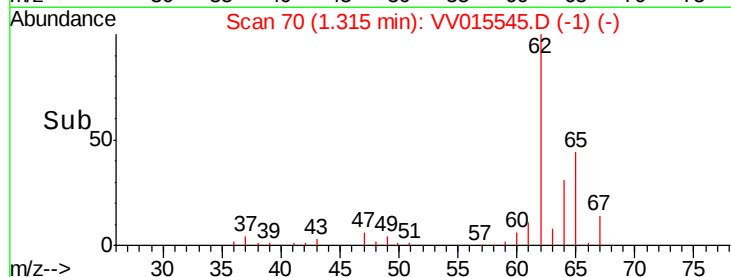
30000

20000

10000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.812 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015545.D

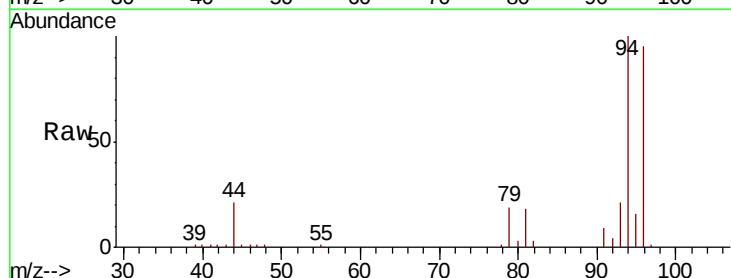
Acq: 17 Apr 2020 10:34

Tgt Ion: 94 Resp: 25337

Ion Ratio Lower Upper

94 100

96 95.1 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

25000

20000

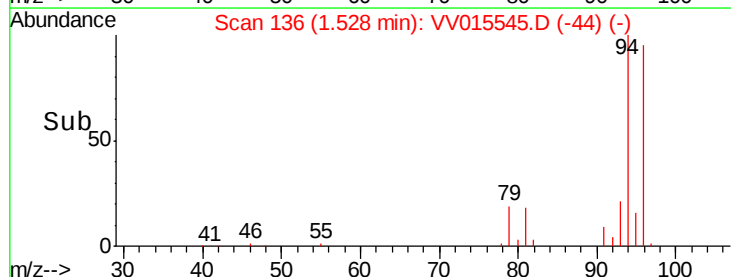
15000

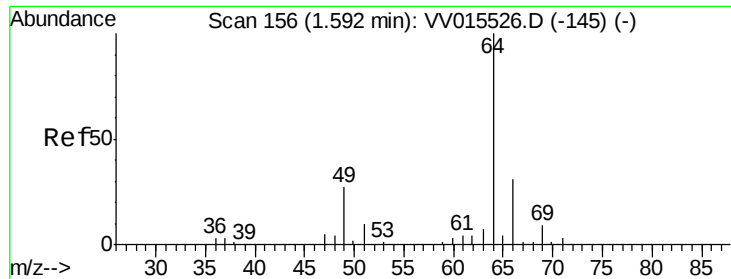
10000

5000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 5.182 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

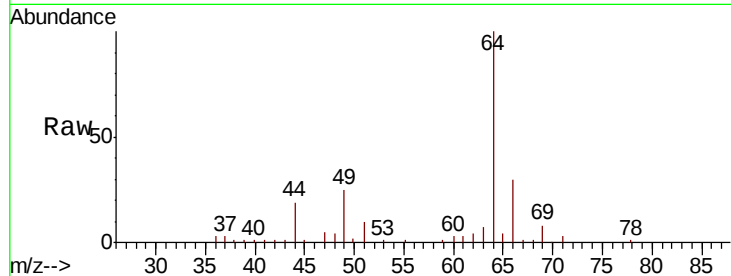
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 28638

Ion Ratio Lower Upper

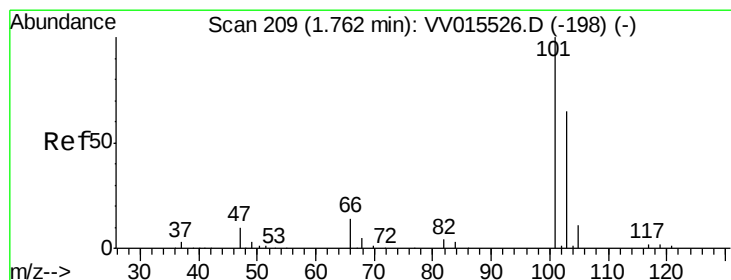
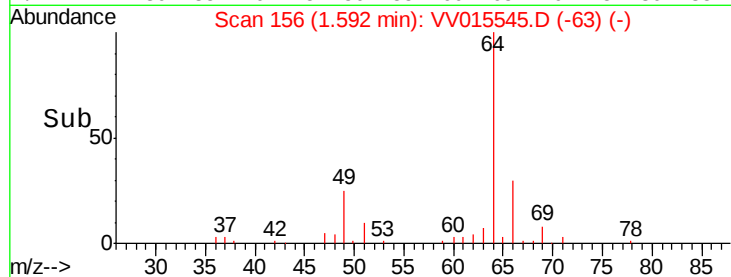
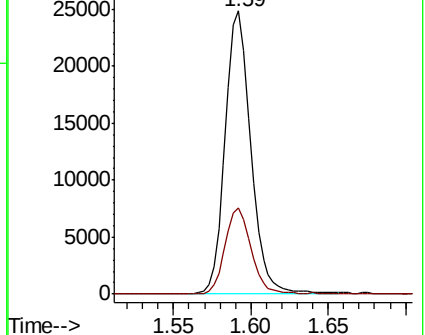
64 100

66 30.4 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015526.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV015526.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 5.115 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015545.D

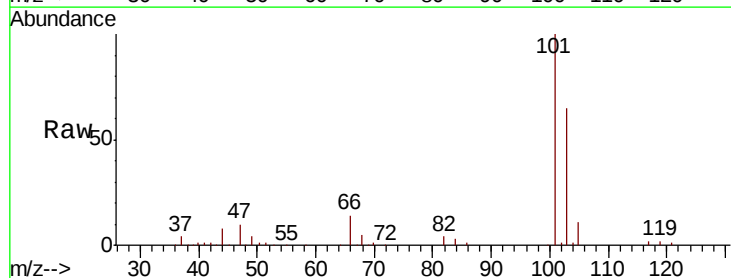
Acq: 17 Apr 2020 10:34

Tgt Ion:101 Resp: 62359

Ion Ratio Lower Upper

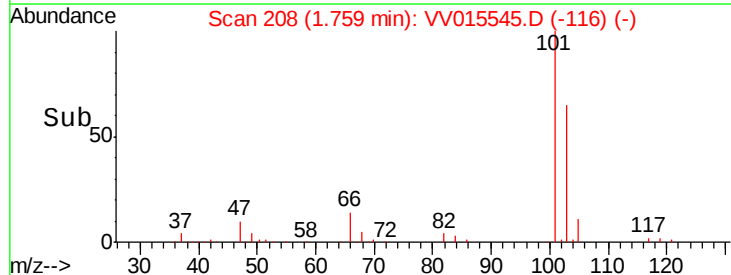
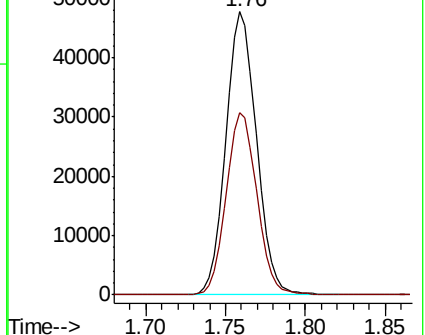
101 100

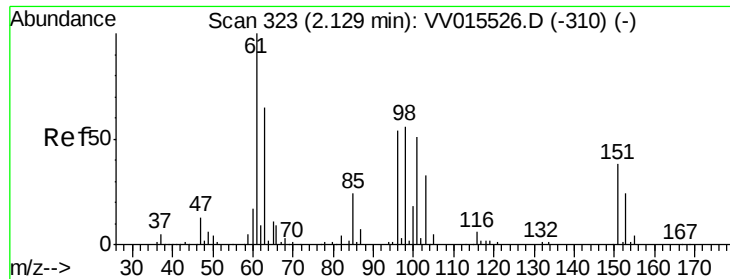
103 64.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015526.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015526.D (-198) (-)





#10

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

Concen: 5.146 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

ClientSampled :

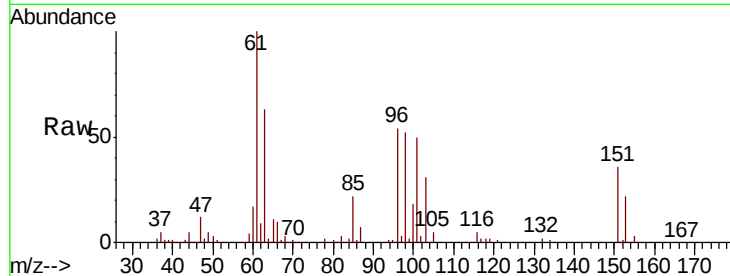
Tot Ion:101 Resp: 35438

Ion Ratio Lower Upper

101 100

85 45.0 36.3 54.5

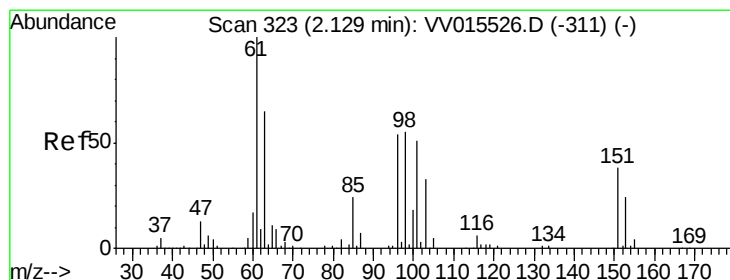
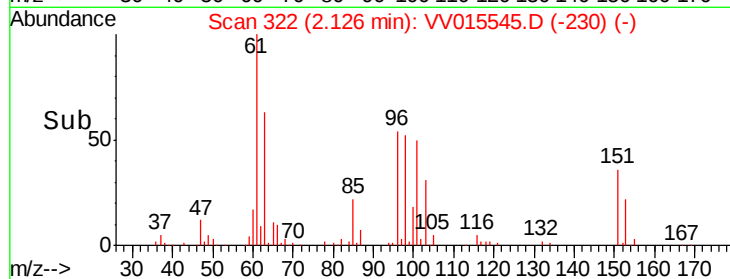
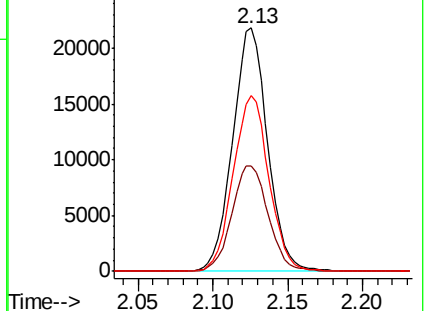
151 73.7 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015526.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV015526.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV015526.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 5.042 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

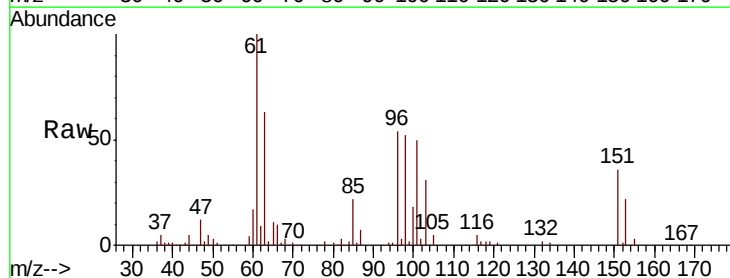
Tgt Ion: 96 Resp: 33227

Ion Ratio Lower Upper

96 100

61 185.4 127.7 237.1

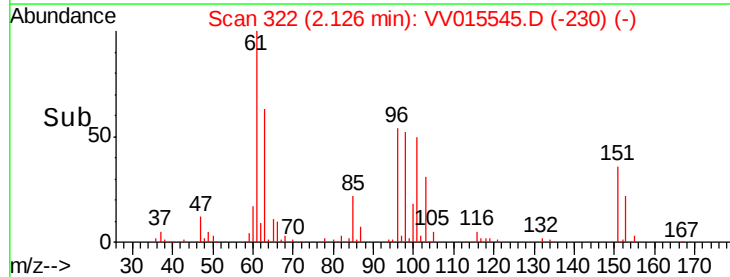
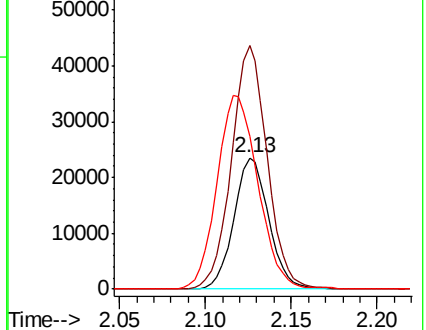
63 115.9 75.1 139.5

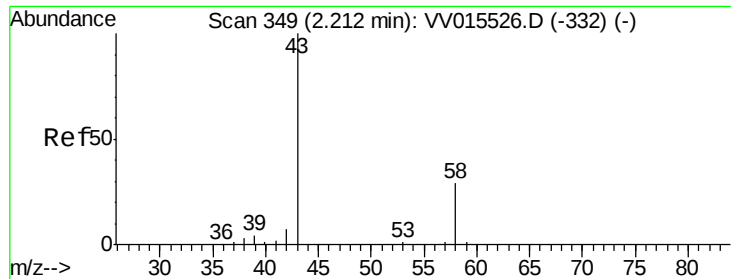


Abundance Ion 96.00 (95.70 to 96.70): VV015526.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV015526.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV015526.D (-311) (-)





#13

Acetone

Concen: 11.002 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.25 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

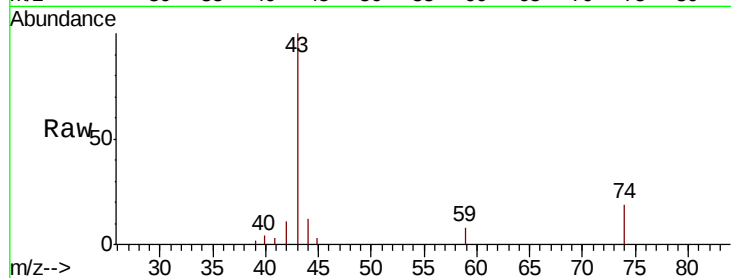
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 11889

Ion Ratio Lower Upper

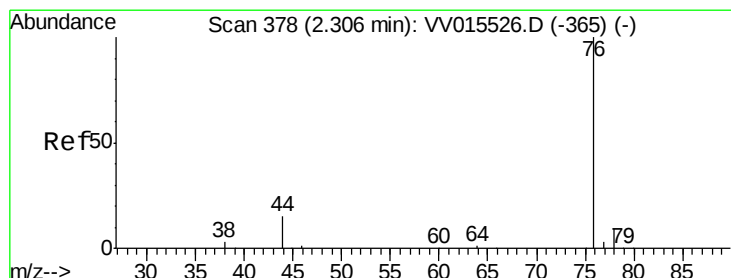
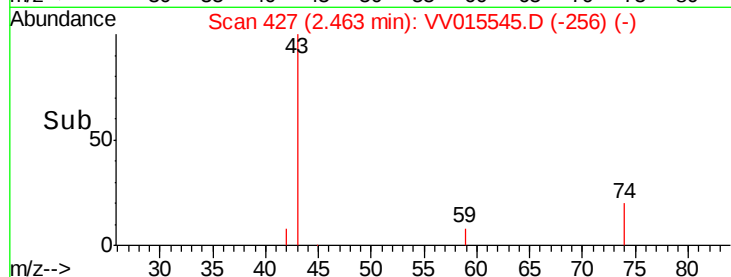
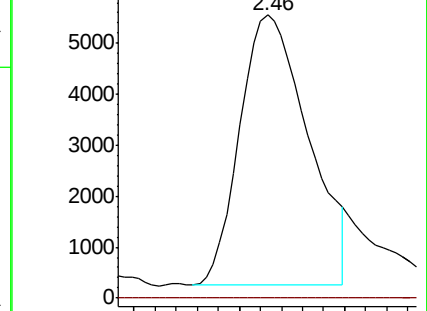
43 100

58 4.4 0.0 22.2



Abundance Ion 43.05 (42.75 to 43.75): VV015526.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015526.D (-332) (-)



#14

Carbon disulfide

Concen: 4.379 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015545.D

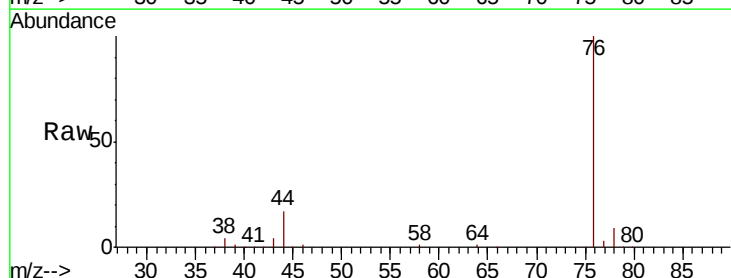
Acq: 17 Apr 2020 10:34

Tgt Ion: 76 Resp: 100607

Ion Ratio Lower Upper

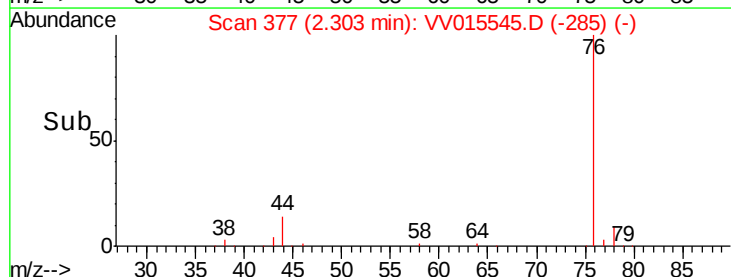
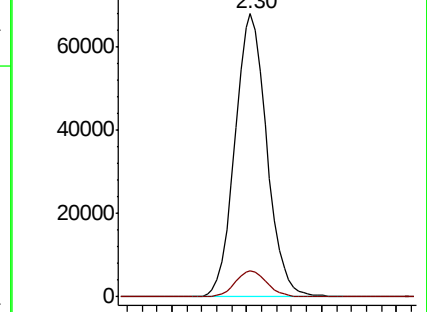
76 100

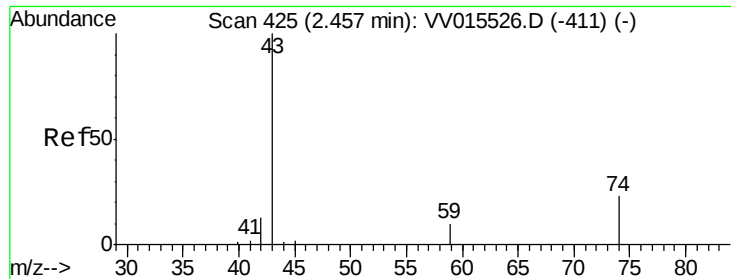
78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015526.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015526.D (-365) (-)

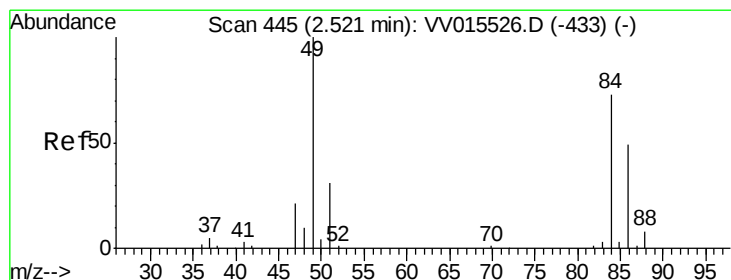
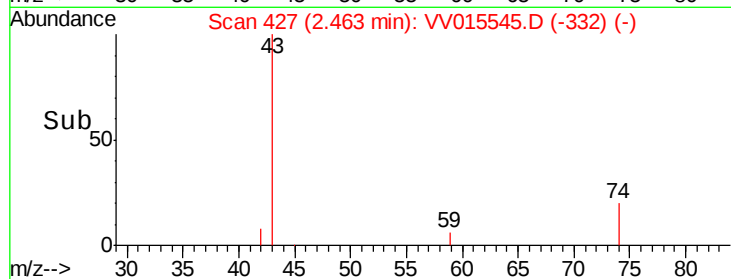
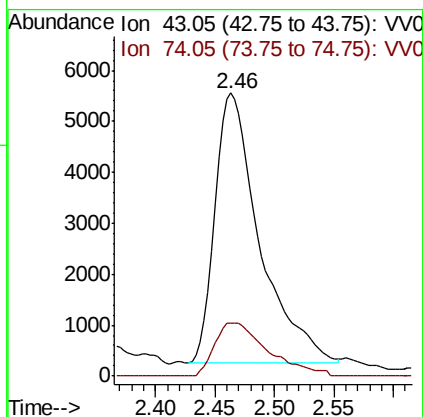
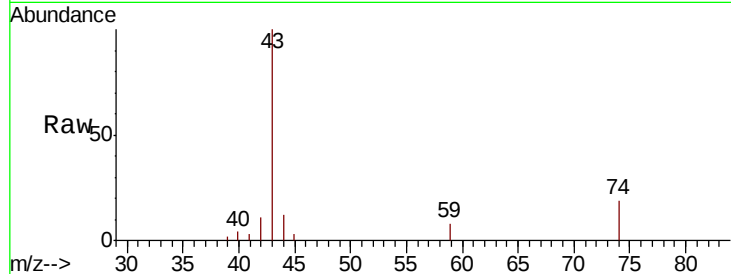




#15
Methvl Acetate
Concen: 4.280 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

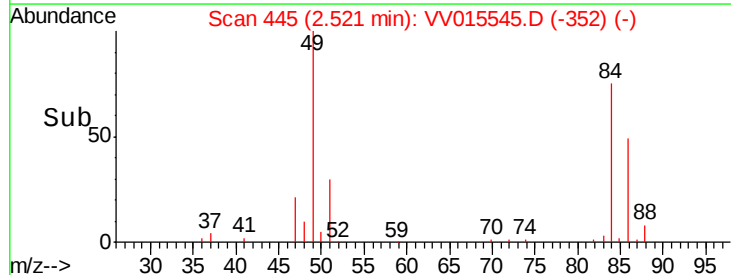
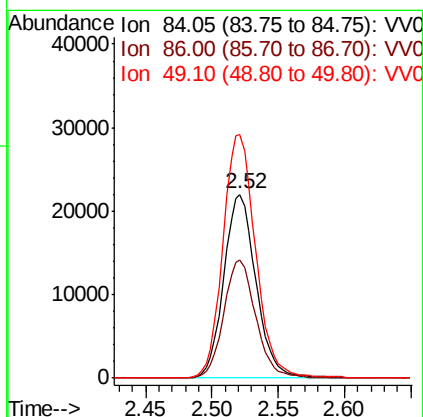
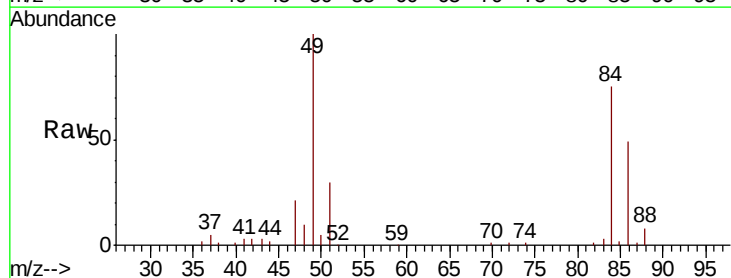
Instrument :
MSVOA_V
ClientSampleId :

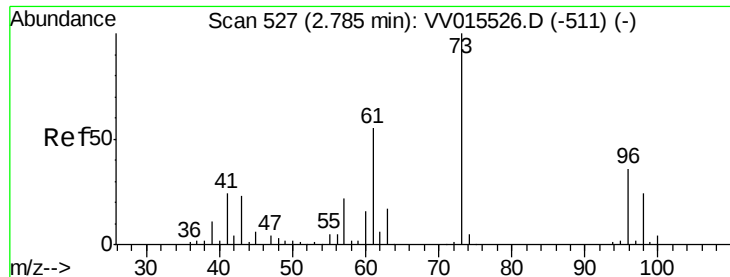
Tot Ion: 43 Resp: 13685
Ion Ratio Lower Upper
43 100
74 23.8 15.4 23.2#



#16
Methylene chloride
Concen: 4.814 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Tgt Ion: 84 Resp: 37166
Ion Ratio Lower Upper
84 100
86 64.3 45.1 83.7
49 132.6 97.9 181.7

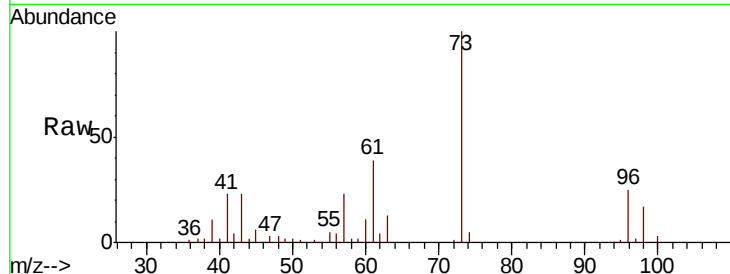




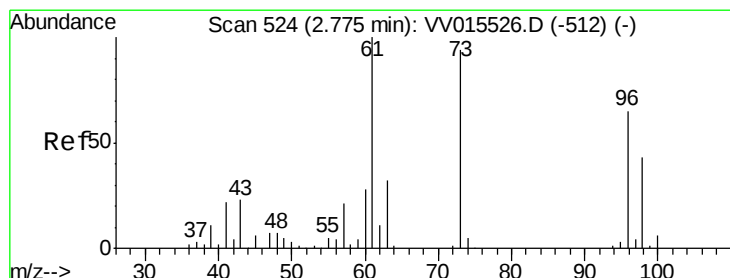
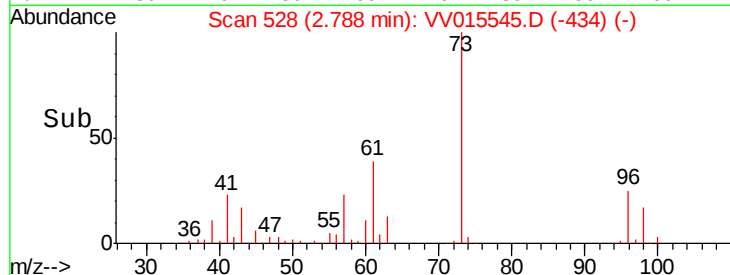
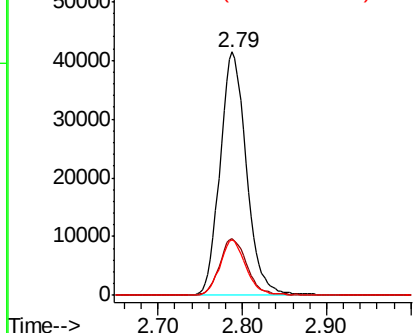
#17
Methvl tert-butvl Ether
Concen: 5.114 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 90068
Ion Ratio Lower Upper
73 100
43 24.2 18.3 27.5
57 22.6 18.4 27.6

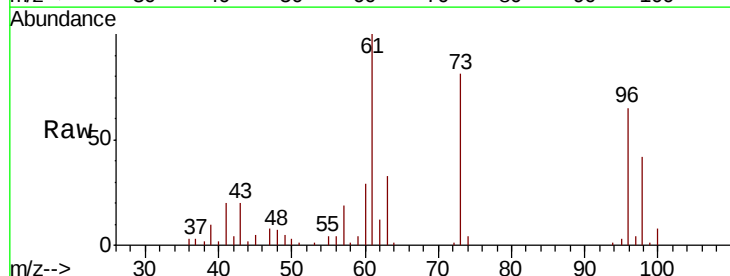


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

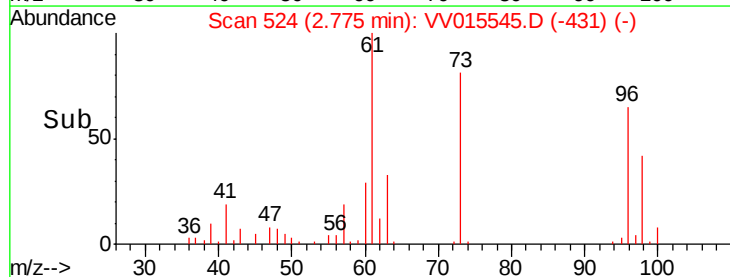
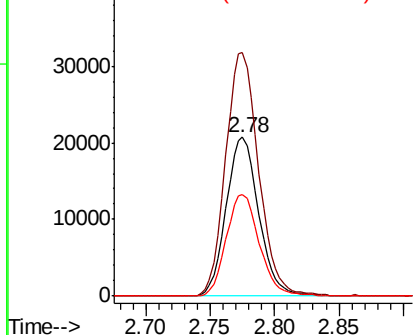


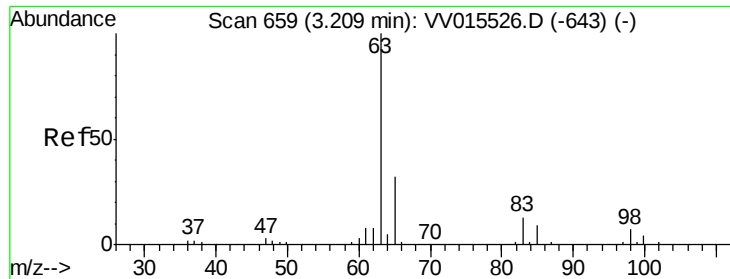
#18
trans-1,2-Dichloroethene
Concen: 4.905 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Tgt Ion: 96 Resp: 36430
Ion Ratio Lower Upper
96 100
61 153.1 104.4 194.0
98 64.2 42.8 79.4



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

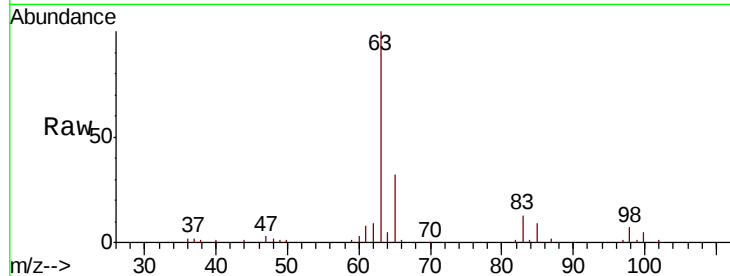




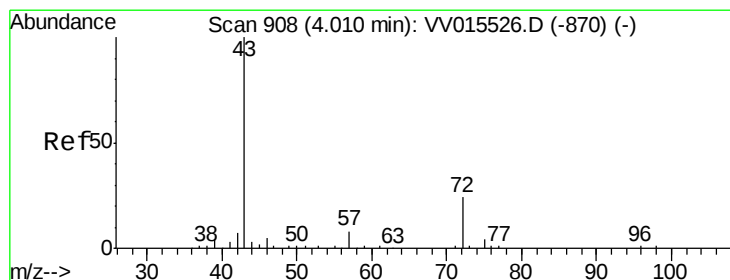
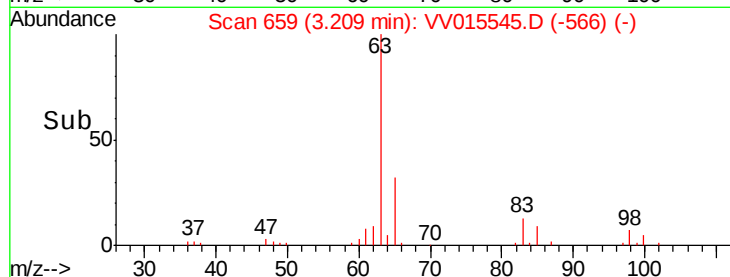
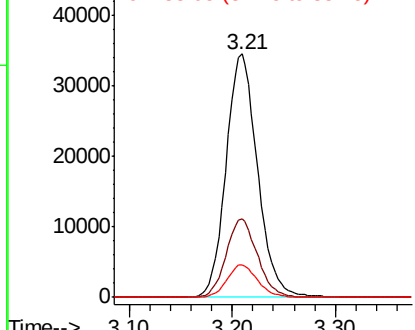
#19
 1,1-Dichloroethane
 Concen: 5.241 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 73369
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.3 39.6
 83 13.4 9.4 17.6

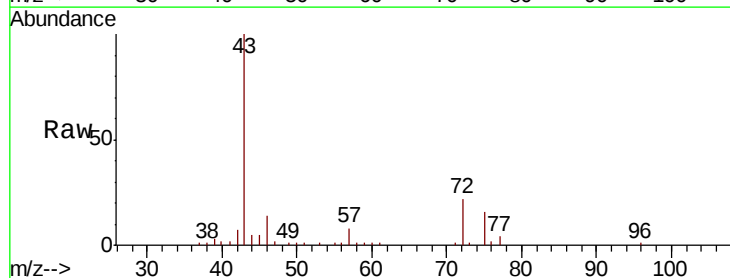


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

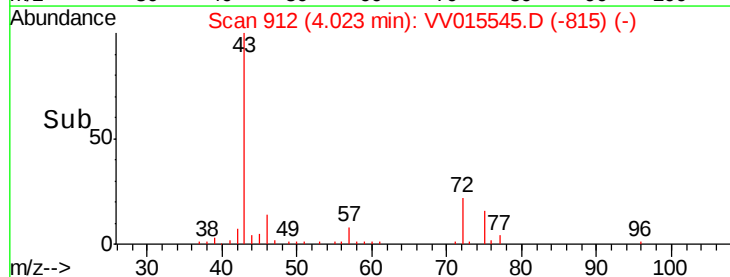
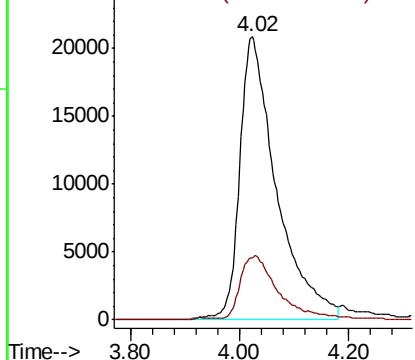


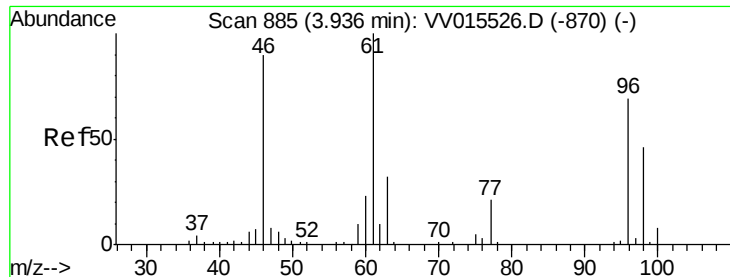
#21
 2-Butanone
 Concen: 56.196 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Tgt Ion: 43 Resp: 98132
 Ion Ratio Lower Upper
 43 100
 72 22.7 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



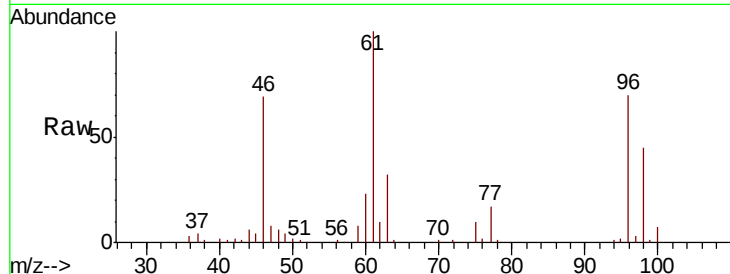


#22

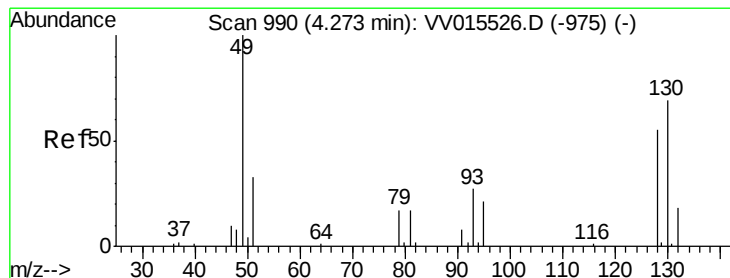
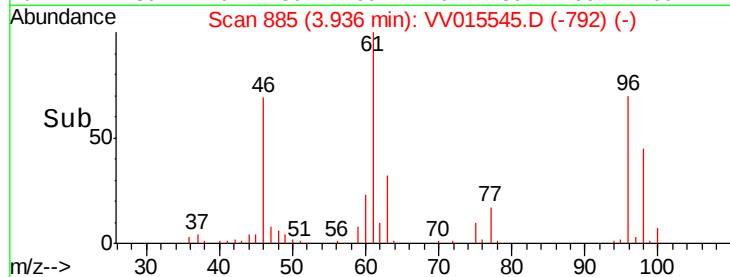
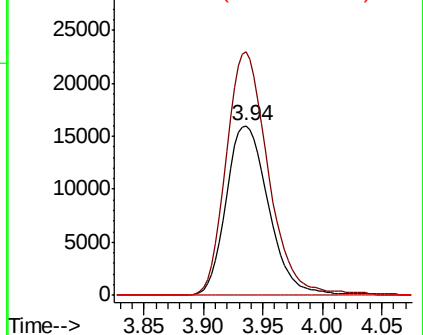
cis-1,2-Dichloroethene
Concen: 5.106 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 39368
Ion Ratio Lower Upper
96 100
61 143.2 100.0 185.8
68 0.0 0.0 0.0



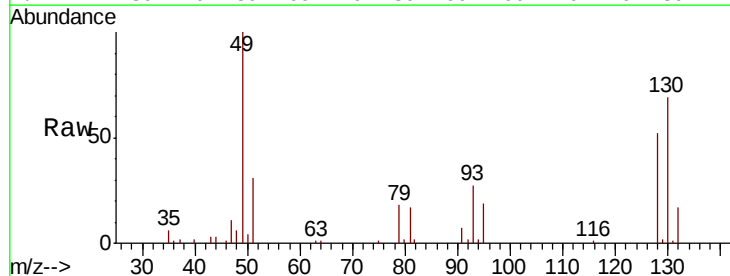
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



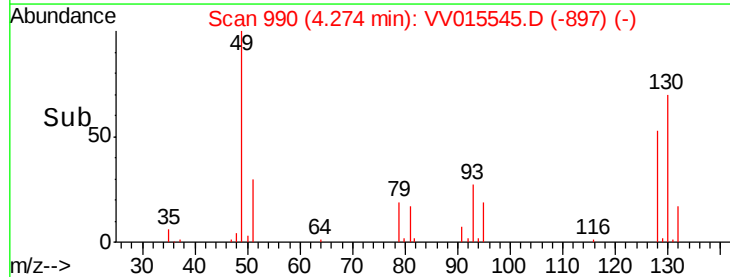
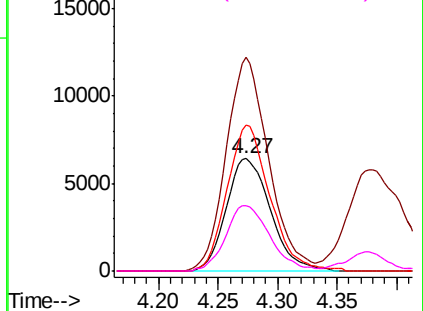
#23

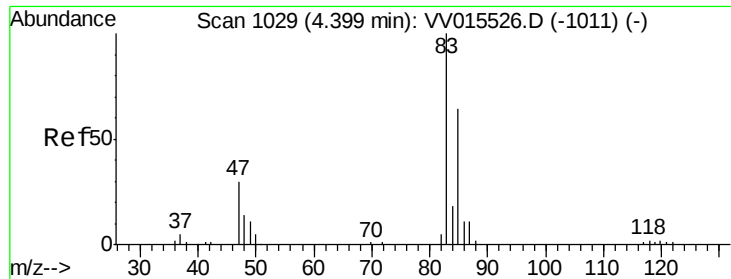
Bromochloromethane
Concen: 5.159 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Tgt Ion: 128 Resp: 16551
Ion Ratio Lower Upper
128 100
49 190.6 128.8 239.2
130 130.7 93.5 173.7
51 58.5 47.8 71.6



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

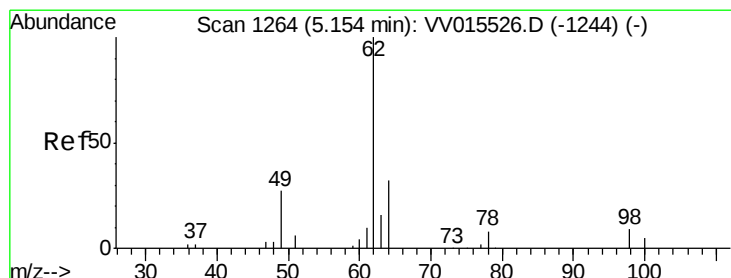
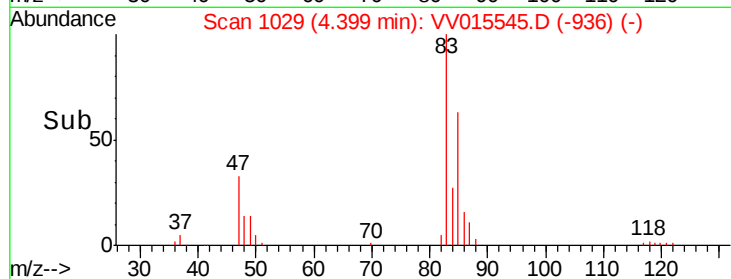
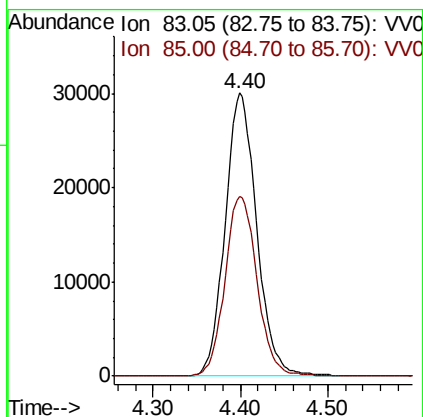
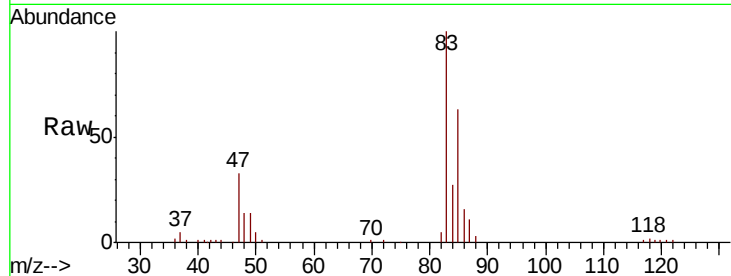




#25
Chloroform
Concen: 5.248 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

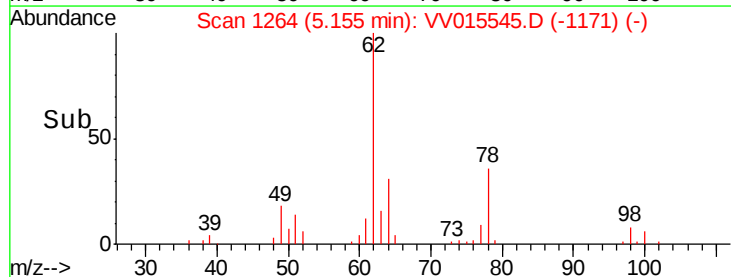
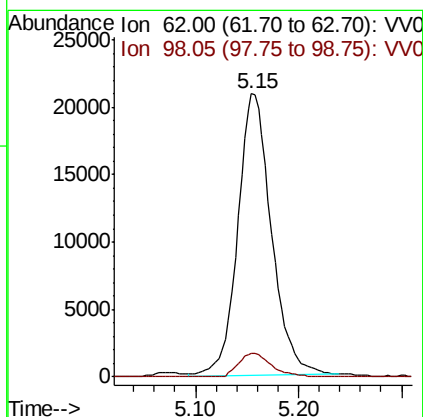
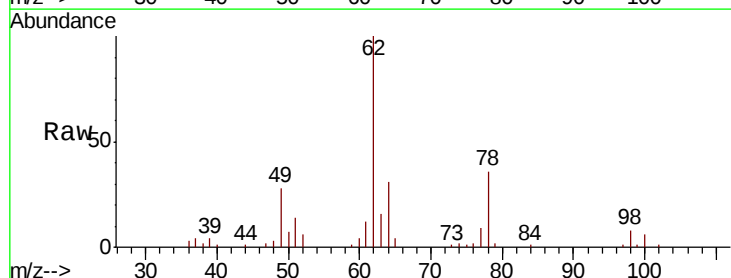
Instrument :
MSVOA_V
ClientSampleId :

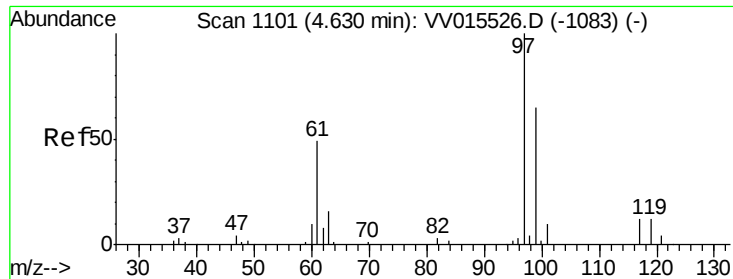
Tot Ion: 83 Resp: 75193
Ion Ratio Lower Upper
83 100
85 63.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.129 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Tgt Ion: 62 Resp: 47510
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

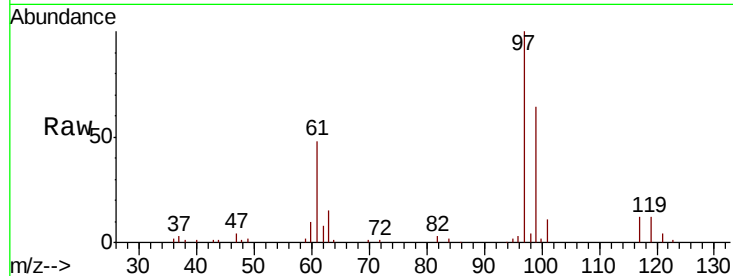




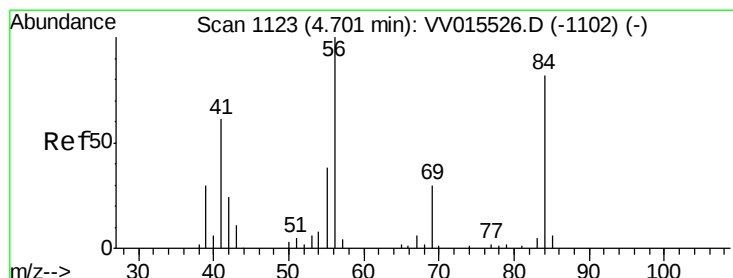
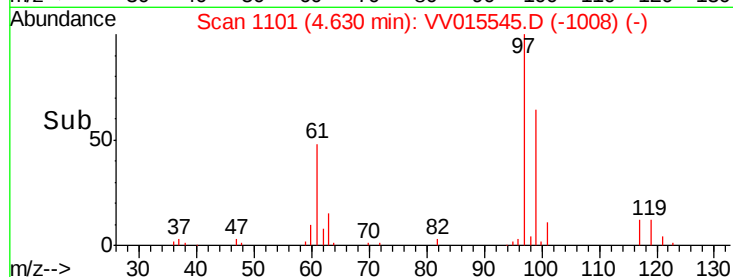
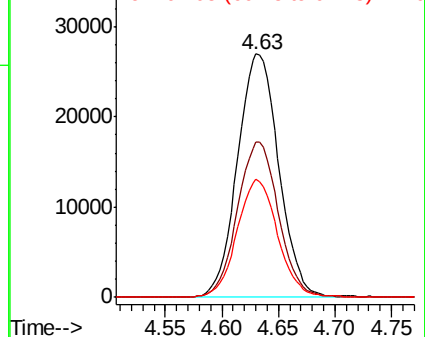
#29
 1,1,1-Trichloroethane
 Concen: 5.308 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 68505
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.6 77.4
 61 47.7 39.0 58.6

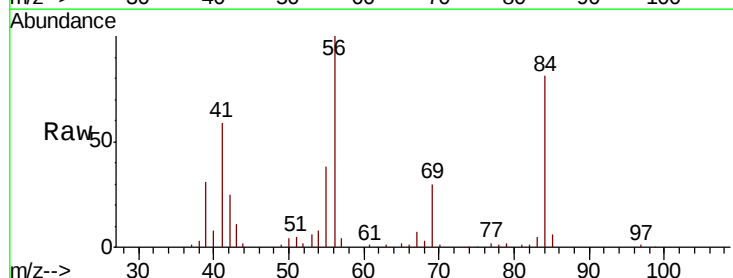


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

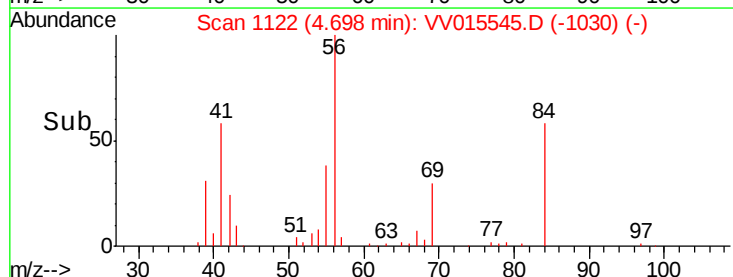
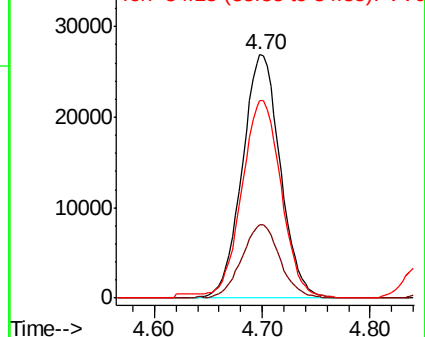


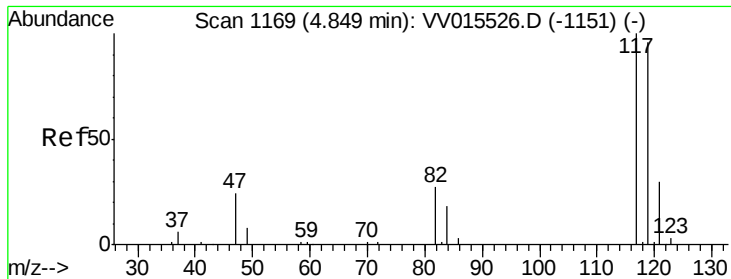
#30
 Cyclohexane
 Concen: 4.804 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Tgt Ion: 56 Resp: 65824
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 84.3 68.4 102.6



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



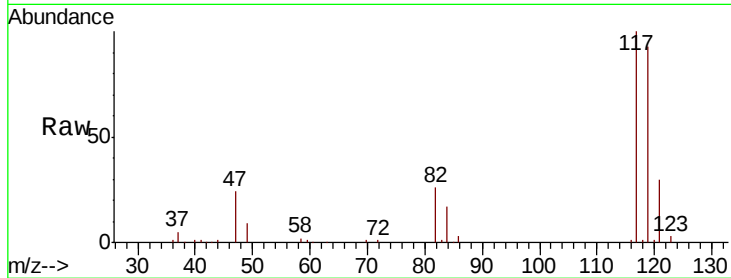


#31

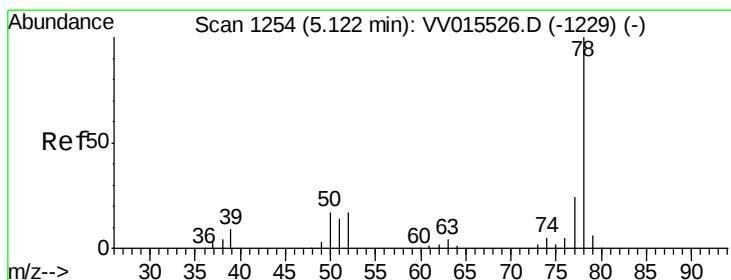
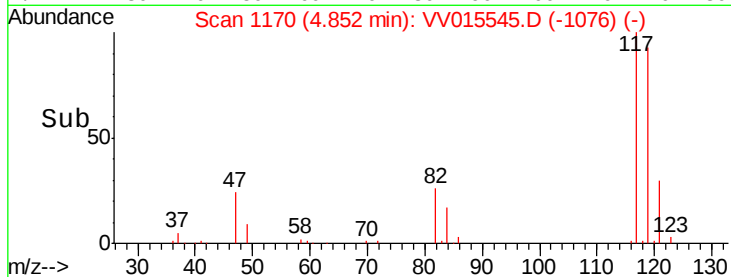
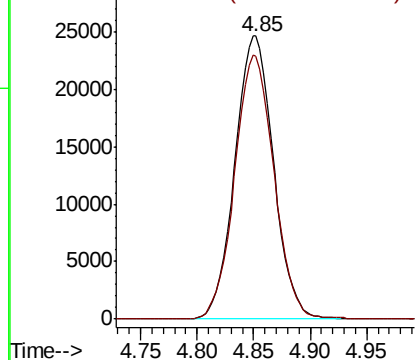
Carbon tetrachloride
Concen: 5.211 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 58535
Ion Ratio Lower Upper
117 100
119 94.7 76.6 115.0



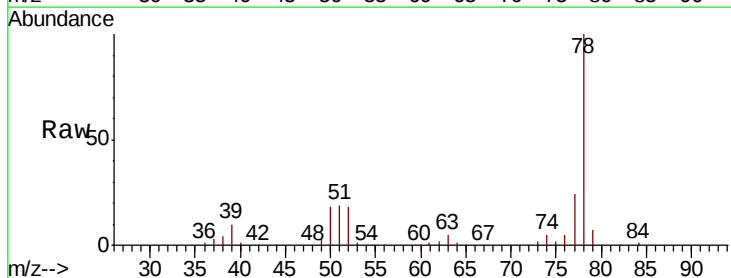
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



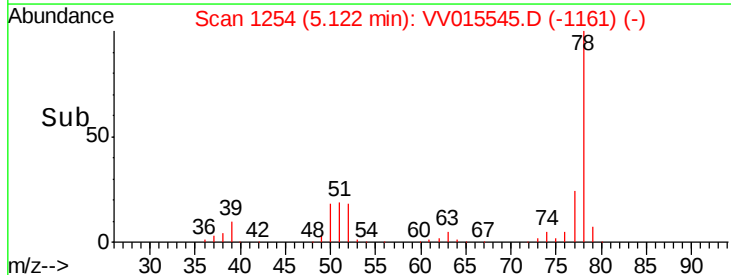
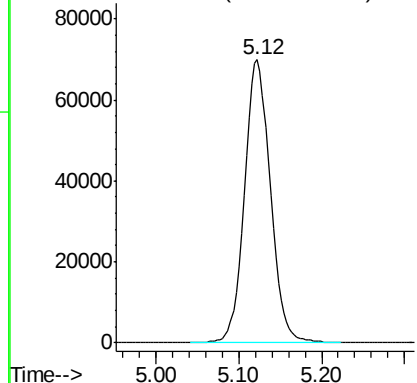
#33

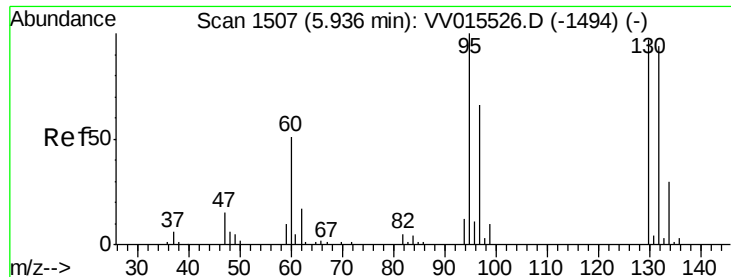
Benzene
Concen: 5.118 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Tgt Ion: 78 Resp: 152384



Abundance Ion 78.10 (77.80 to 78.80): VV0

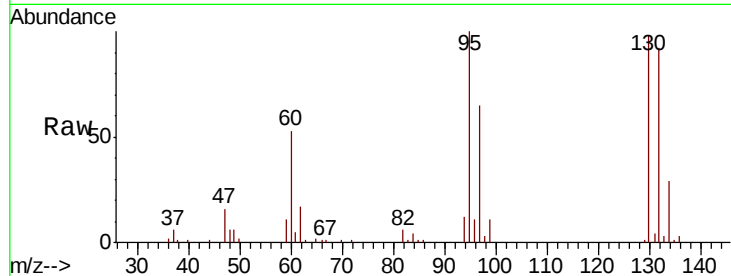




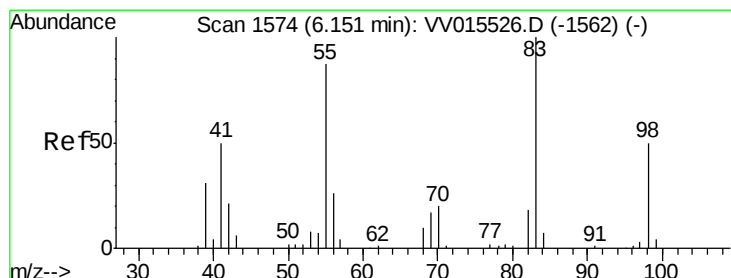
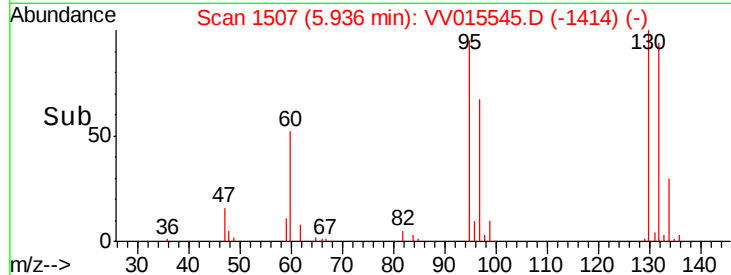
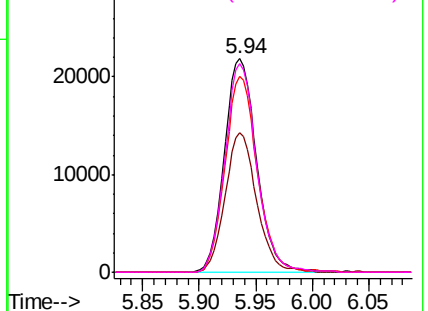
#34
 Trichloroethene
 Concen: 5.440 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 43591
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.4 84.4
 132 91.8 64.8 120.4
 130 97.7 67.4 125.2

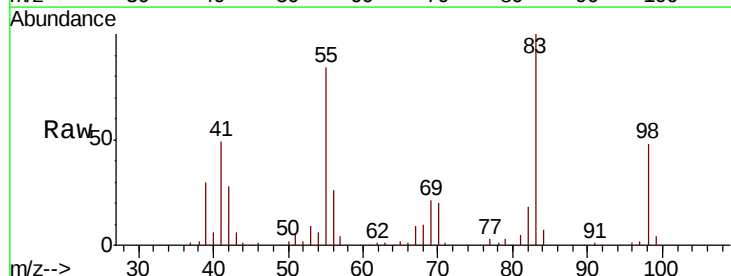


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

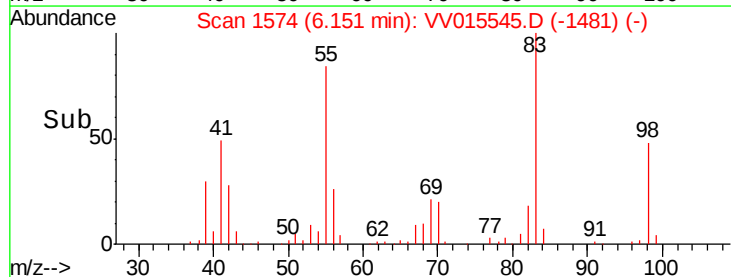
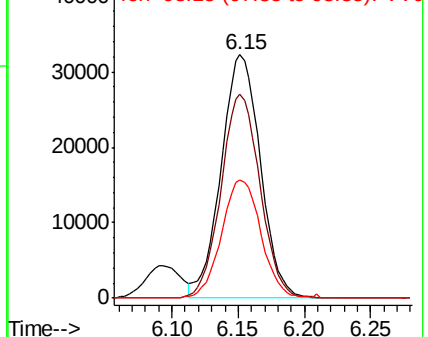


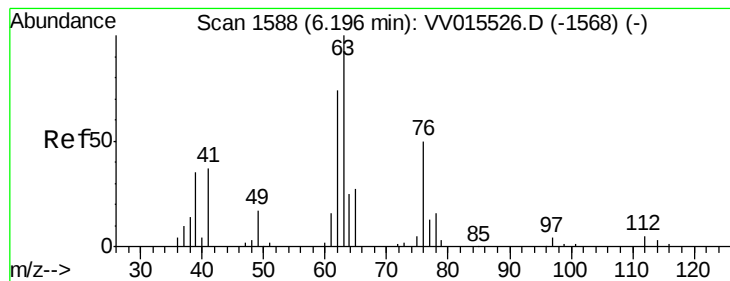
#35
 Methylcyclohexane
 Concen: 4.918 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Tgt Ion: 83 Resp: 66396
 Ion Ratio Lower Upper
 83 100
 55 83.1 66.6 99.8
 98 48.7 38.7 58.1



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: 5.374 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

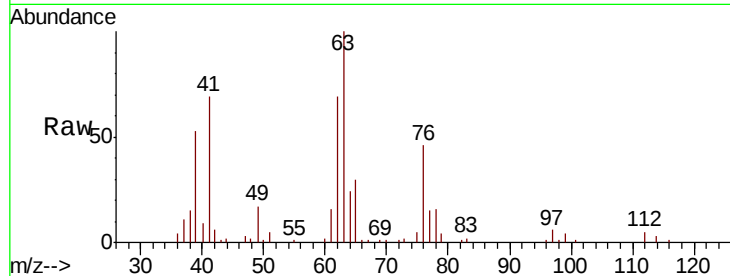
ClientSampleId :

Tot Ion: 63 Resp: 39685

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015526.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV015526.D (-1568) (-)

6.20

20000

15000

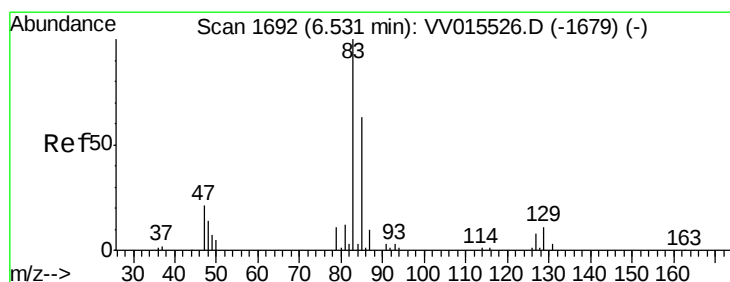
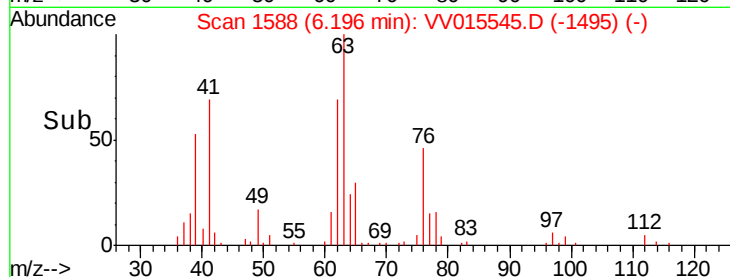
10000

5000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.141 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

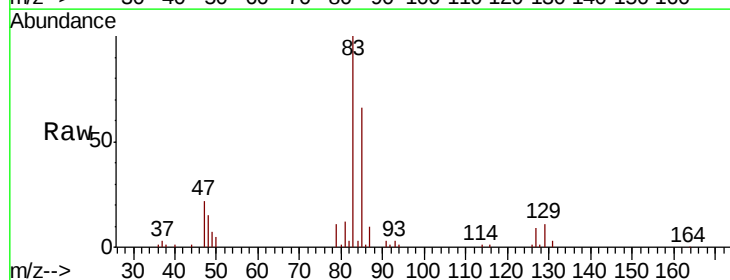
Tgt Ion: 83 Resp: 50625

Ion Ratio Lower Upper

83 100

85 66.3 42.6 79.2

127 8.8 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VV015526.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV015526.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV015526.D (-1679) (-)

6.53

30000

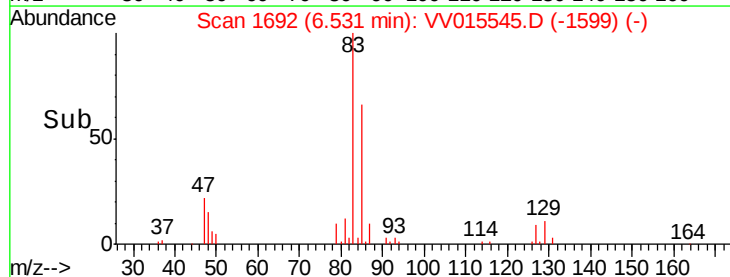
20000

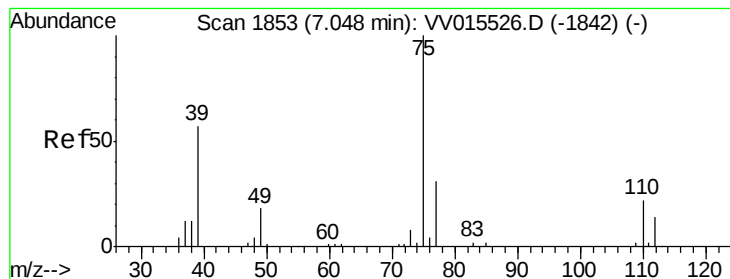
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->



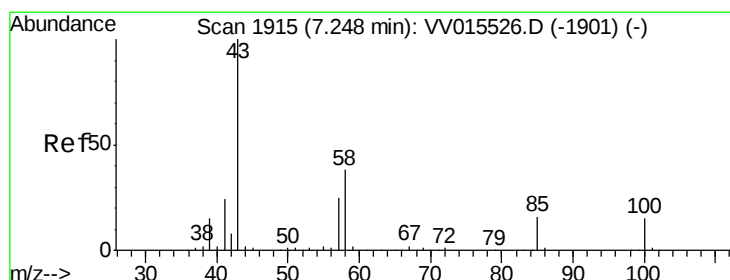
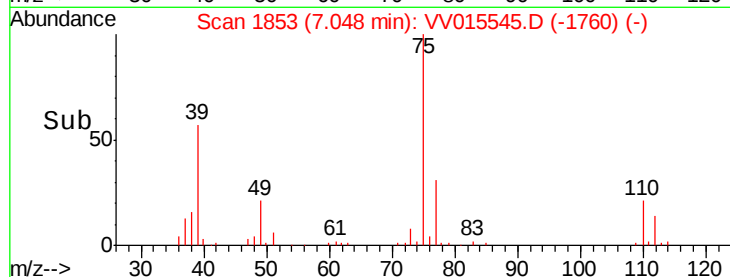
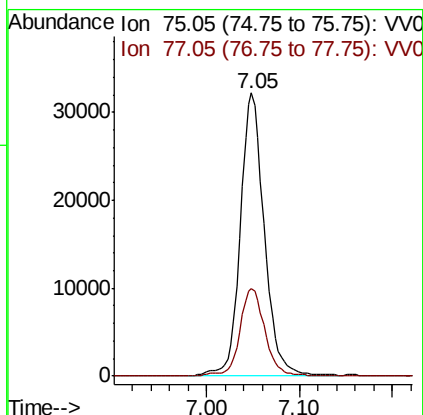
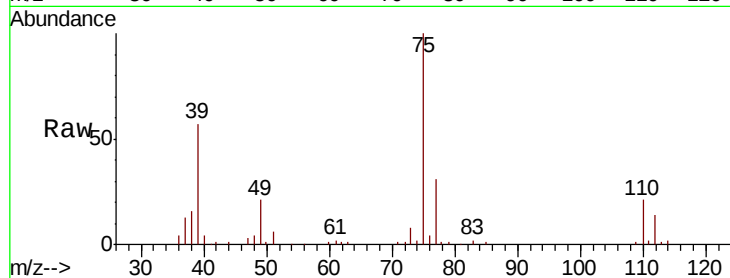


#39

cis-1,3-Dichloropropene
Concen: 5.125 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Instrument :
MSVOA_V
ClientSampleId :

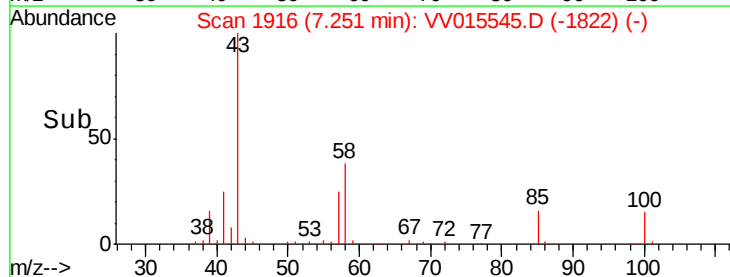
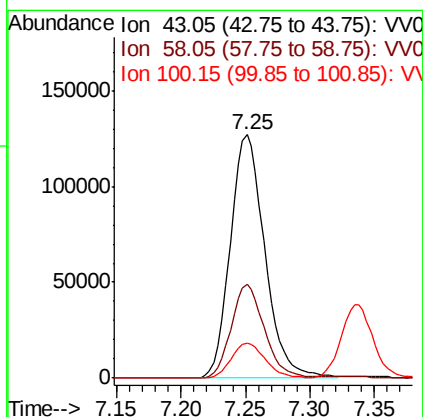
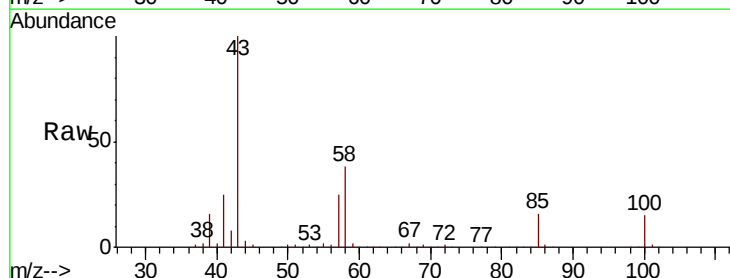
Tot Ion: 75 Resp: 58078
Ion Ratio Lower Upper
75 100
77 30.9 23.0 42.6

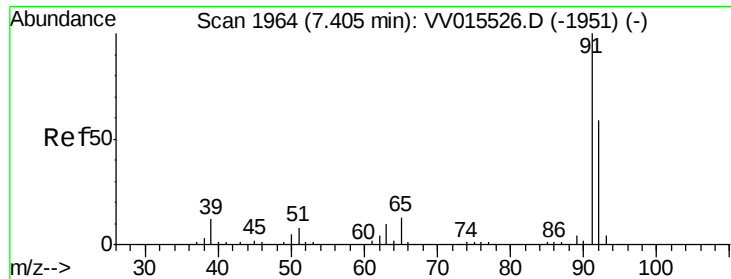


#40

4-Methyl-2-pentanone
Concen: 48.738 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Tgt Ion: 43 Resp: 236324
Ion Ratio Lower Upper
43 100
58 37.2 29.0 43.6
100 14.3 11.0 16.6





#42

Toluene

Concen: 5.049 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

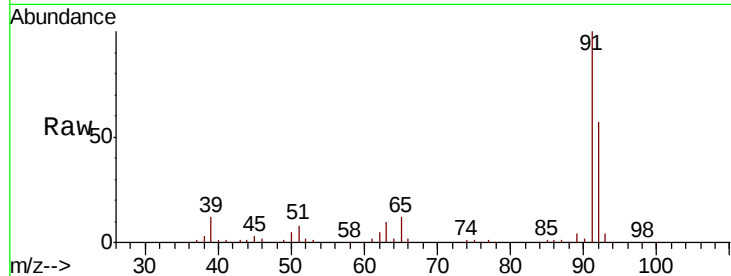
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 163214

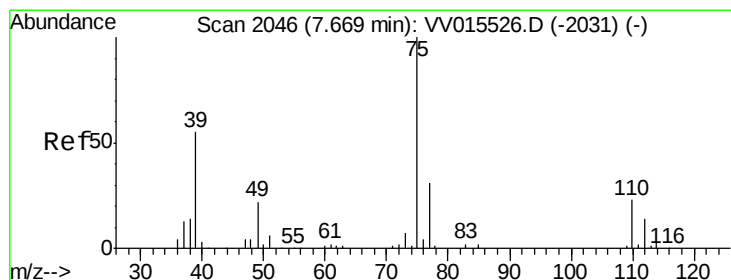
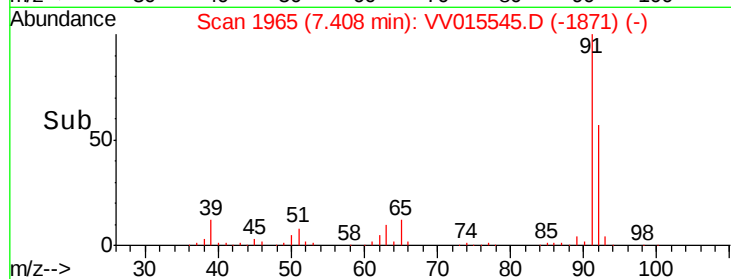
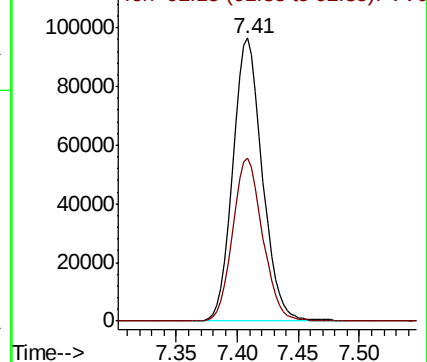
Ion Ratio Lower Upper

91 100

92 57.5 40.2 74.6



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: 5.095 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015545.D

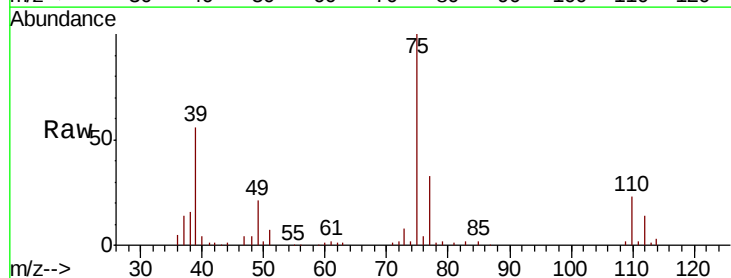
Acq: 17 Apr 2020 10:34

Tgt Ion: 75 Resp: 48827

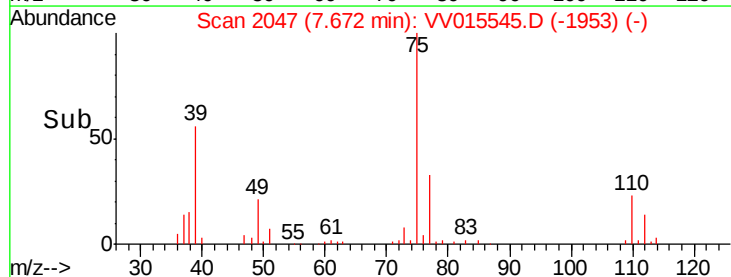
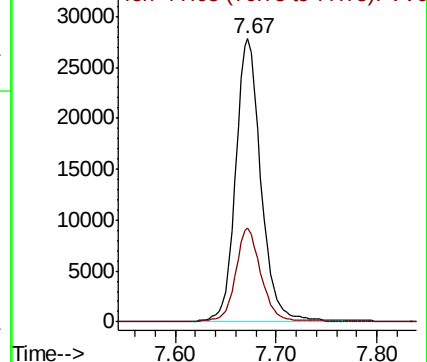
Ion Ratio Lower Upper

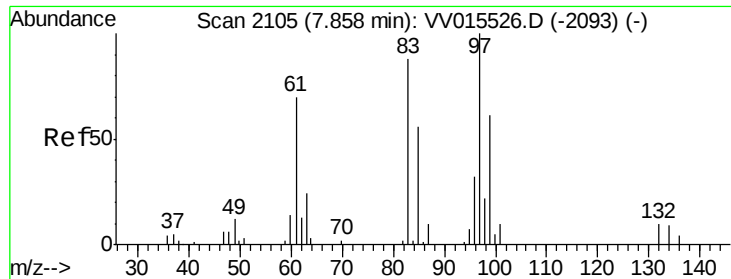
75 100

77 33.0 21.0 39.0



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

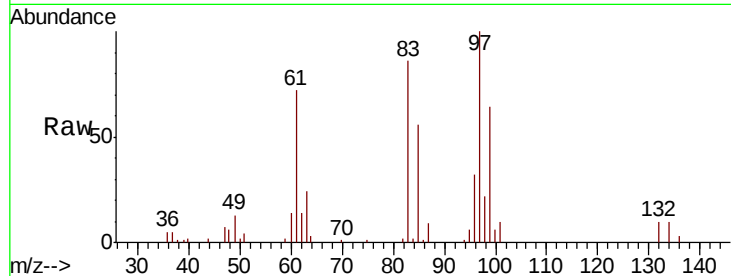




#45
 1,1,2-Trichloroethane
 Concen: 5.159 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	25607
Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.3	76.7
83	85.6	60.5	112.3
85	56.1	36.8	68.4



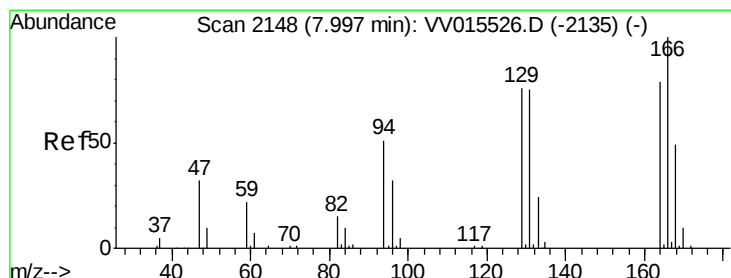
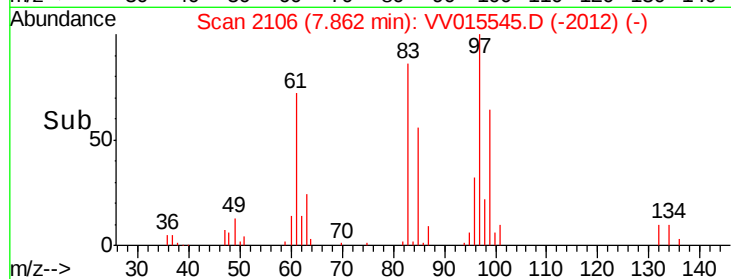
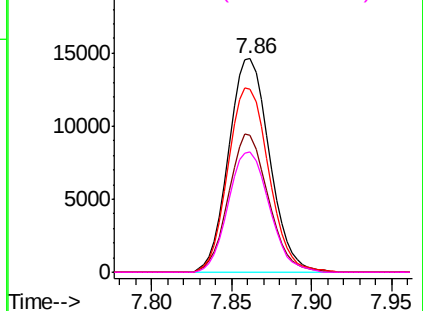
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

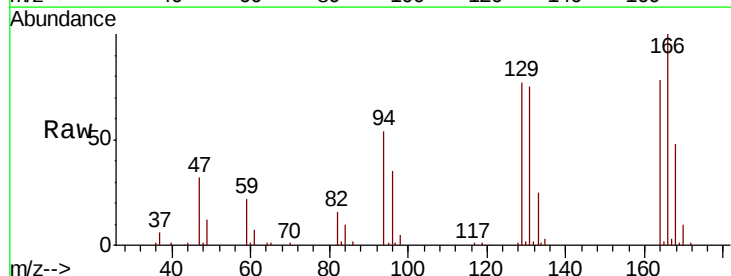
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.168 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Tgt Ion:	164	Resp:	30685
Ion	Ratio	Lower	Upper
164	100		
129	98.7	70.6	131.0
131	96.1	68.3	126.8
166	127.9	88.3	163.9



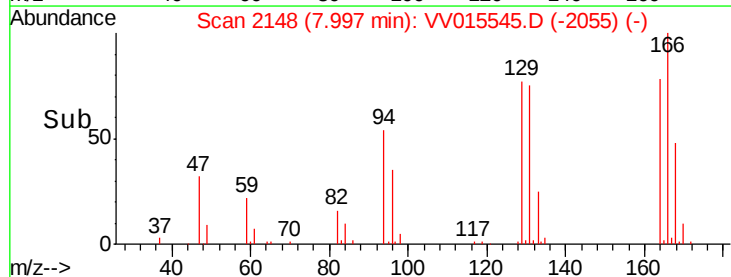
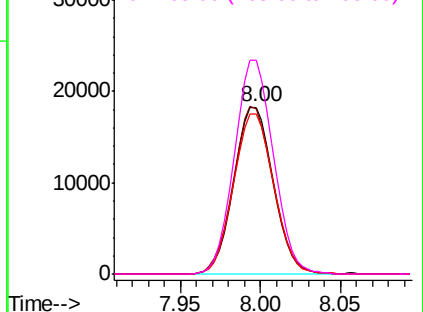
Abundance

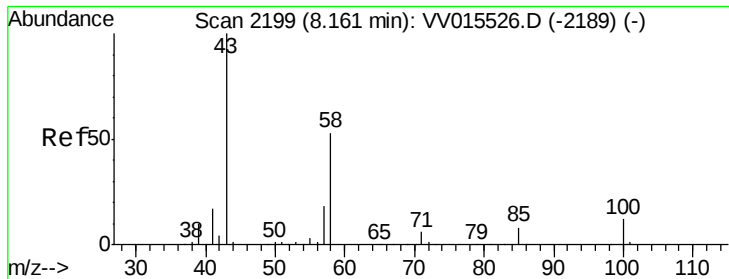
Ion 163.90 (163.60 to 164.60): V

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

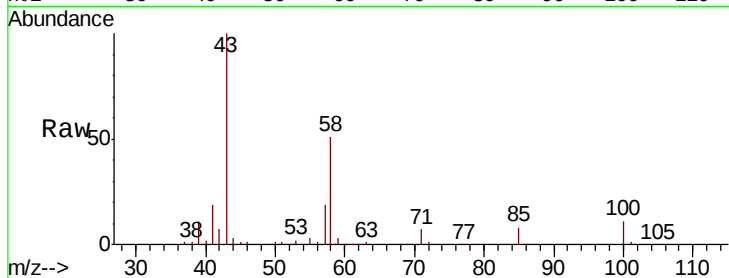




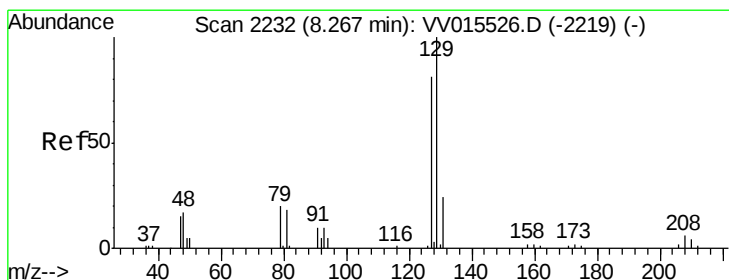
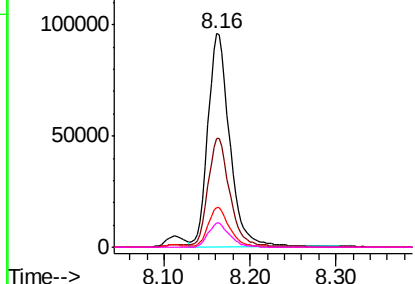
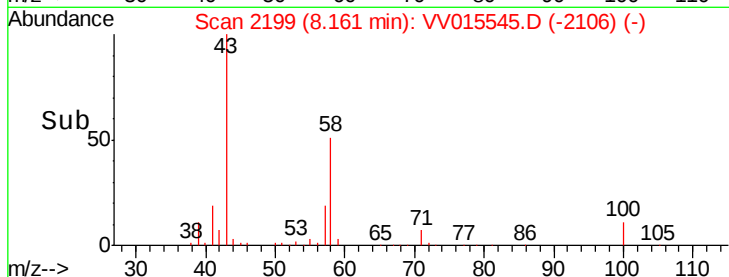
#48
2-Hexanone
Concen: 50.237 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 170200
Ion Ratio Lower Upper
43 100
58 50.6 41.4 62.0
57 18.2 15.0 22.4
100 11.5 9.4 14.2

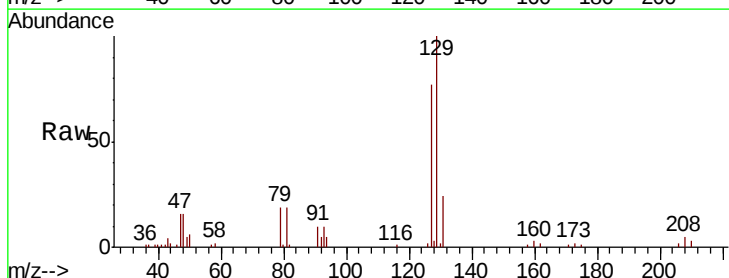


Abundance Ion 43.05 (42.75 to 43.75): VV015545.D (-2106) (-)
Ion 58.05 (57.75 to 58.75): VV015545.D (-2106) (-)
Ion 57.20 (56.90 to 57.90): VV015545.D (-2106) (-)
Ion 100.15 (99.85 to 100.85): VV015545.D (-2106) (-)

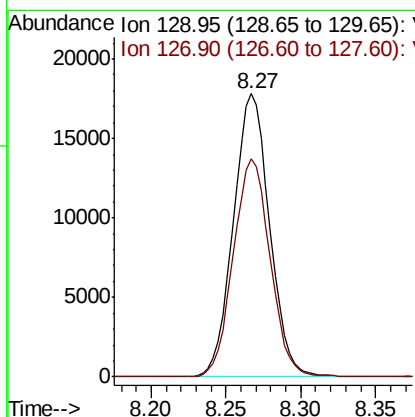
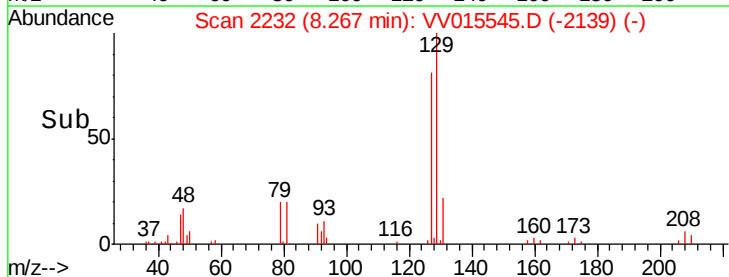


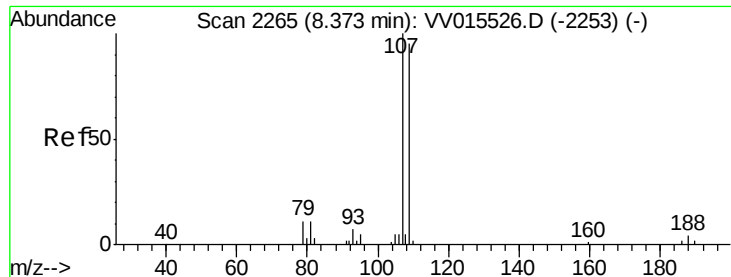
#49
Dibromochloromethane
Concen: 5.050 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015545.D
Acq: 17 Apr 2020 10:34

Tgt Ion: 129 Resp: 30026
Ion Ratio Lower Upper
129 100
127 77.1 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV015545.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015545.D (-2139) (-)

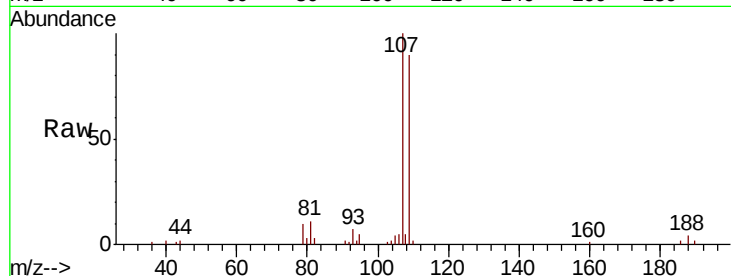




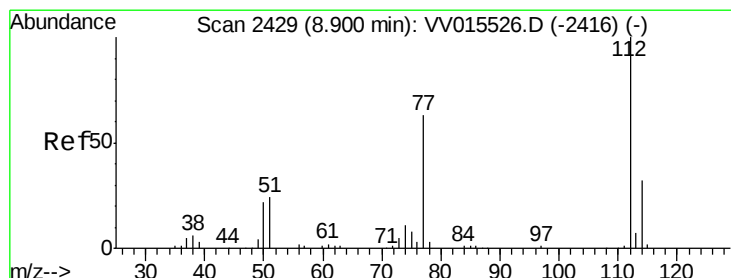
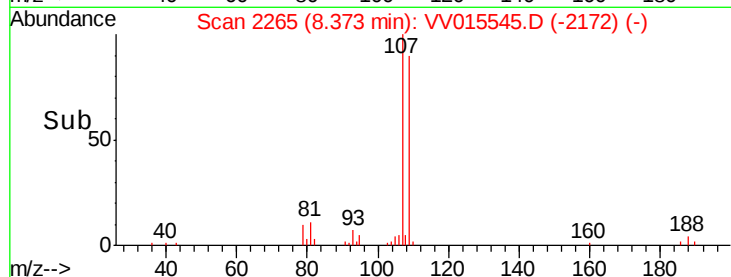
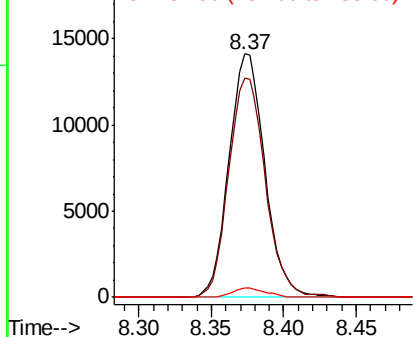
#50
 1,2-Dibromoethane
 Concen: 5.101 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.9	66.7	123.9
188	3.7	2.9	4.3

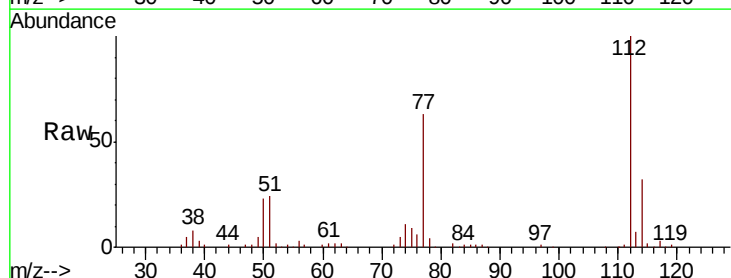


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

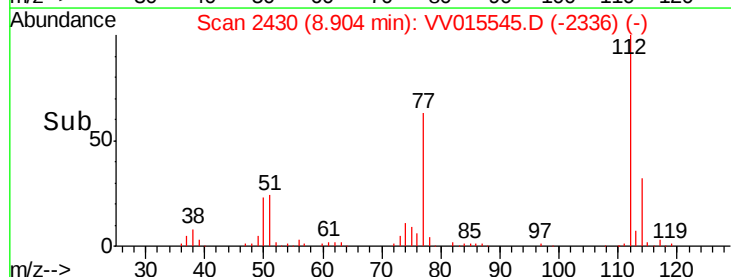
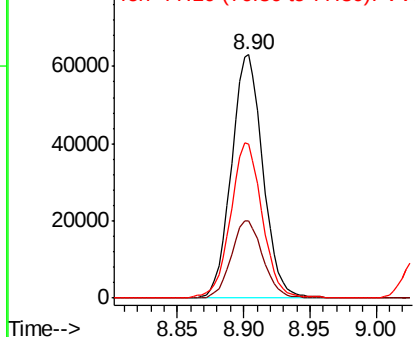


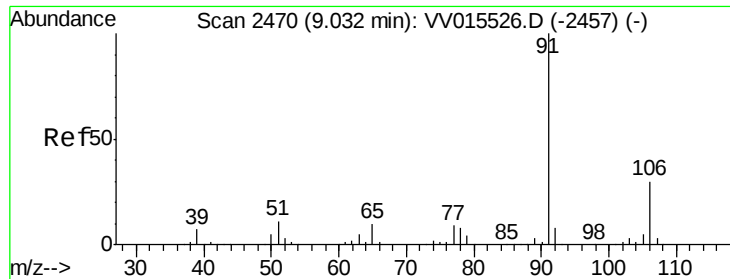
#51
 Chlorobenzene
 Concen: 5.042 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.9	42.5
77	63.1	49.8	74.8



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): V





#52

Ethylbenzene

Concen: 5.062 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

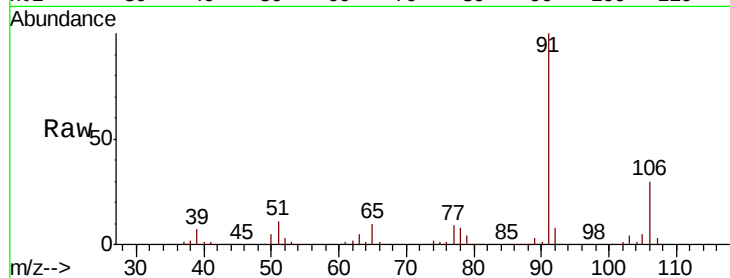
ClientSampleId :

Tot Ion: 91 Resp: 188346

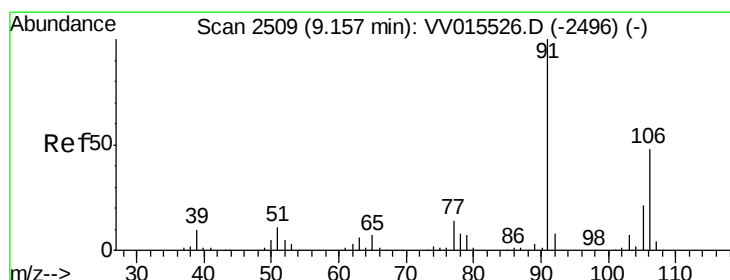
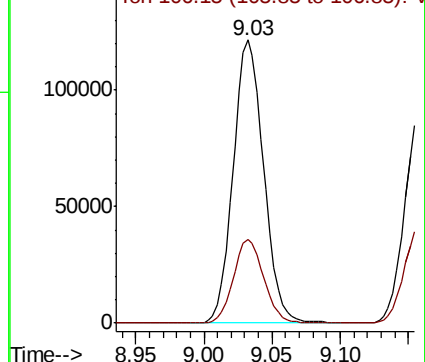
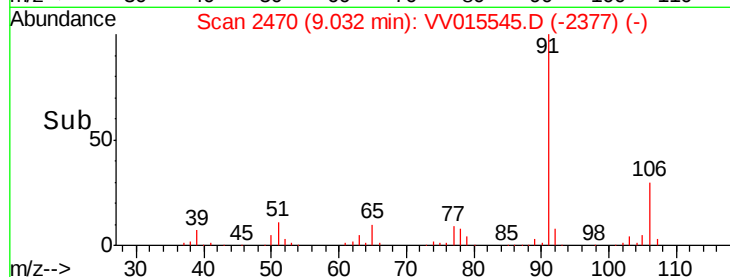
Ion Ratio Lower Upper

91 100

106 29.6 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015545.D (-2377) (-)



#53

m,p-xylene

Concen: 4.980 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015545.D

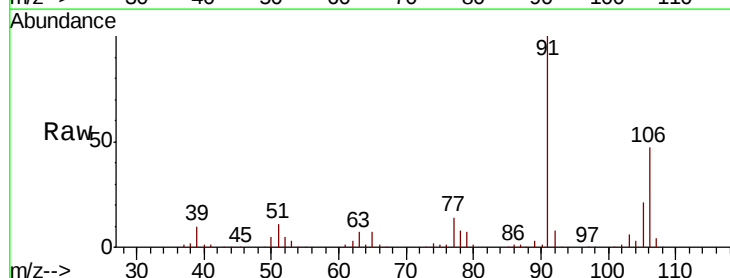
Acq: 17 Apr 2020 10:34

Tgt Ion:106 Resp: 69987

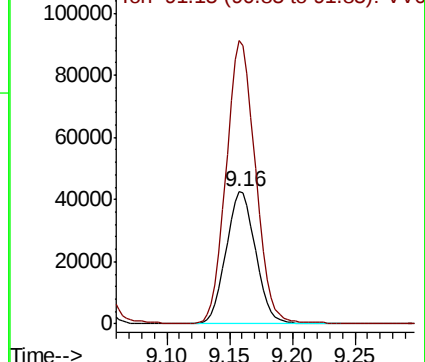
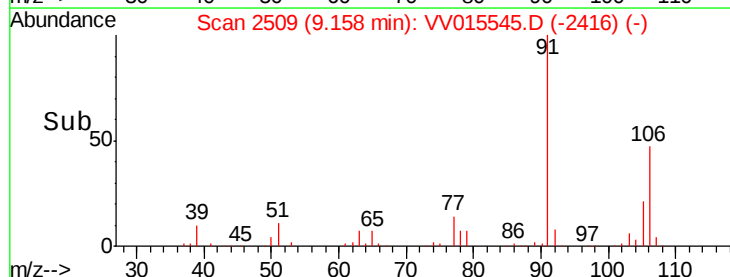
Ion Ratio Lower Upper

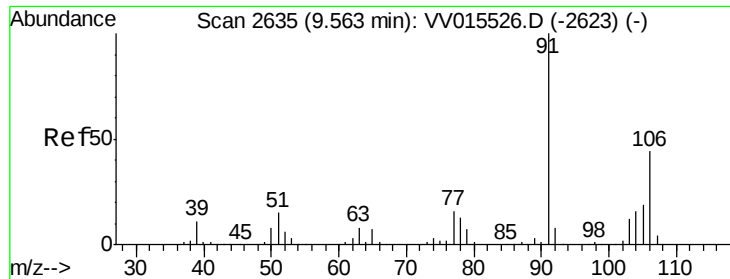
106 100

91 214.8 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015545.D (-2416) (-)





#54

o-xylene

Concen: 5.025 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

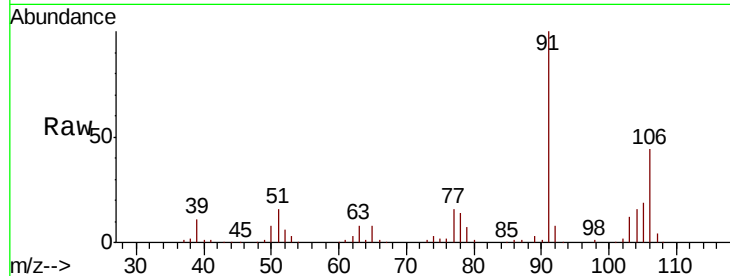
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 68348

Ion Ratio Lower Upper

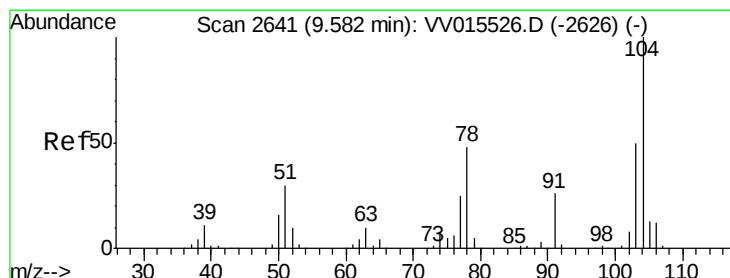
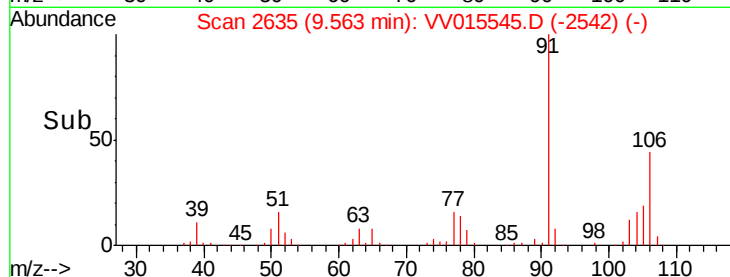
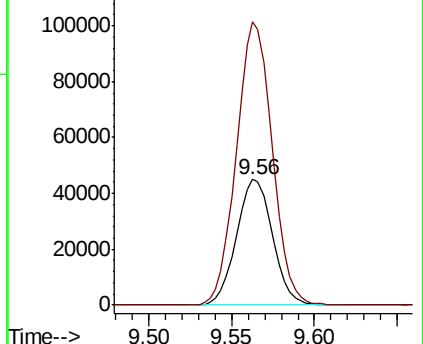
106 100

91 225.5 154.5 286.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.072 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV015545.D

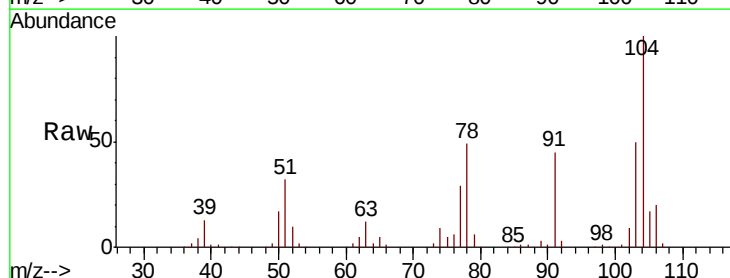
Acq: 17 Apr 2020 10:34

Tgt Ion:104 Resp: 115951

Ion Ratio Lower Upper

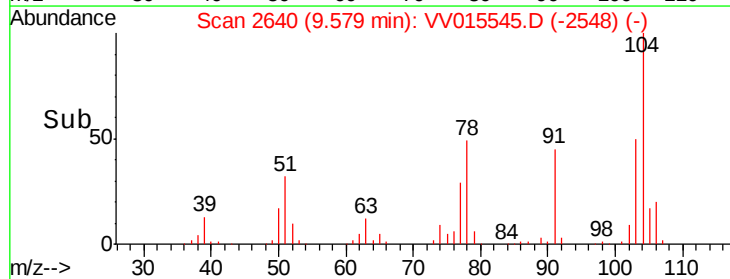
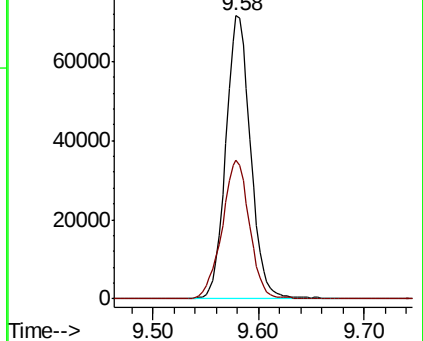
104 100

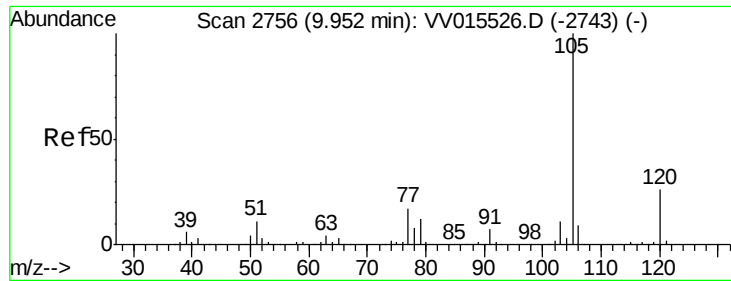
78 49.2 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.045 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

ClientSampleId :

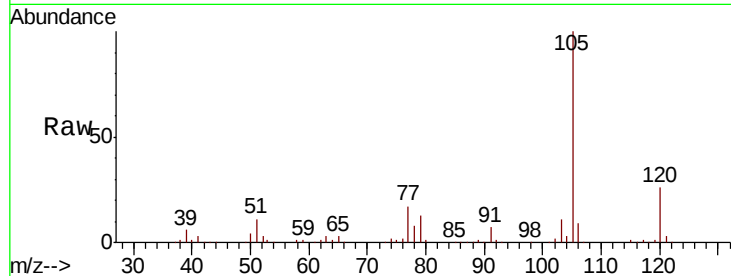
Tot Ion:105 Resp: 188126

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

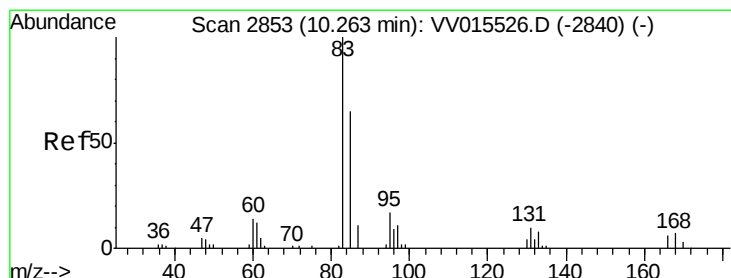
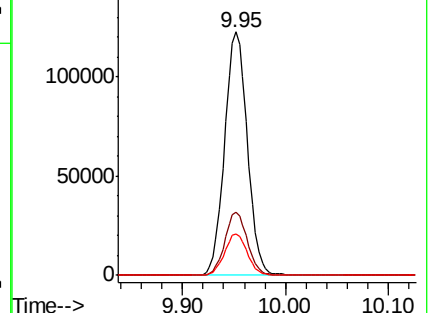
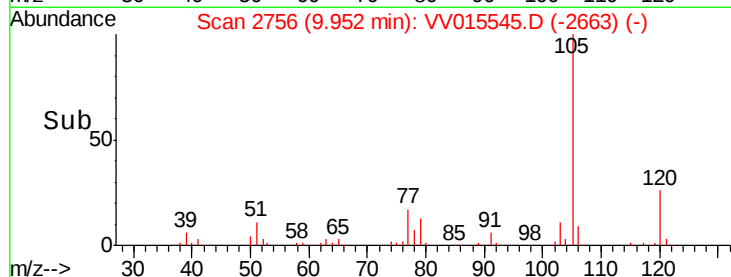
77 17.0 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.534 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

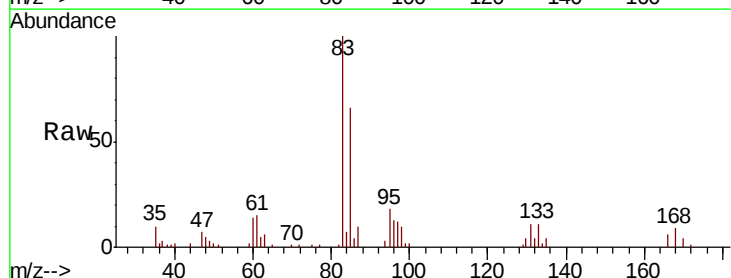
Tgt Ion: 83 Resp: 27395

Ion Ratio Lower Upper

83 100

85 65.5 44.5 82.7

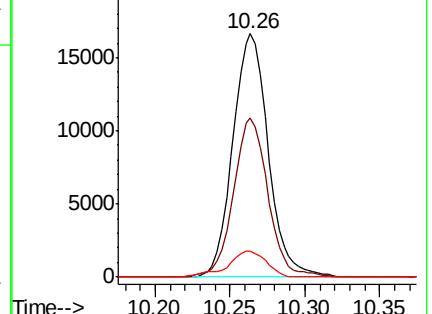
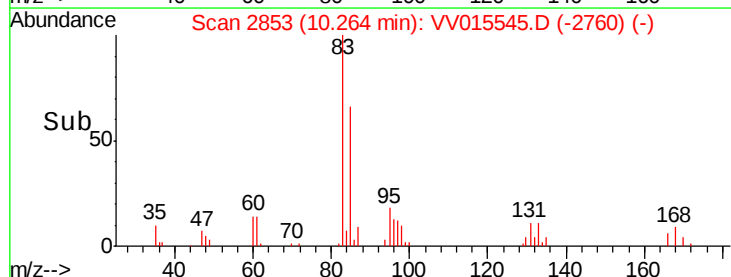
131 10.8 7.5 11.3

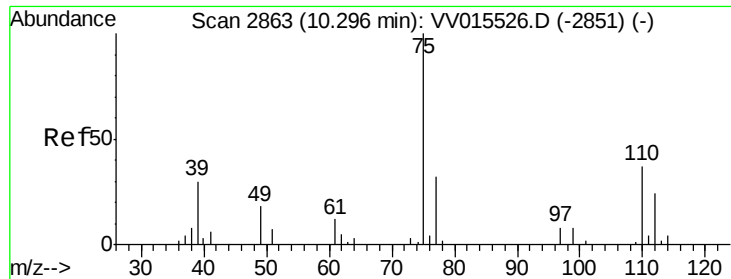


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.047 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

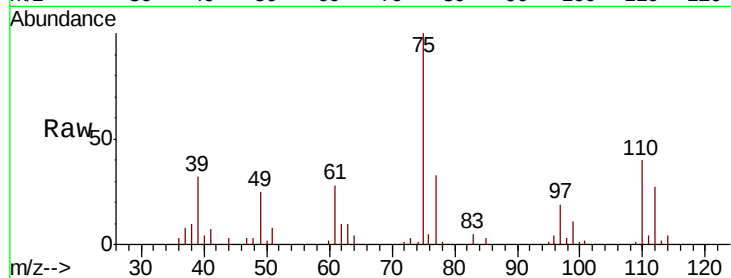
ClientSampleId :

Tot Ion: 75 Resp: 23044

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015526.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015526.D (-2851) (-)

10.30

15000

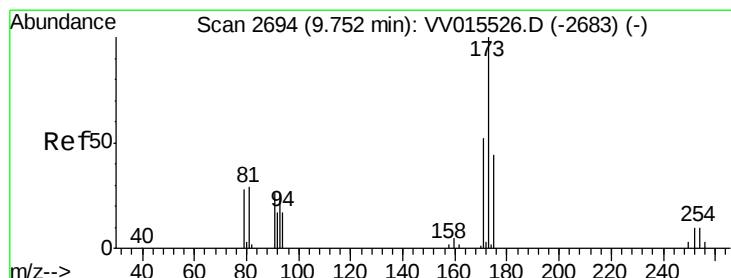
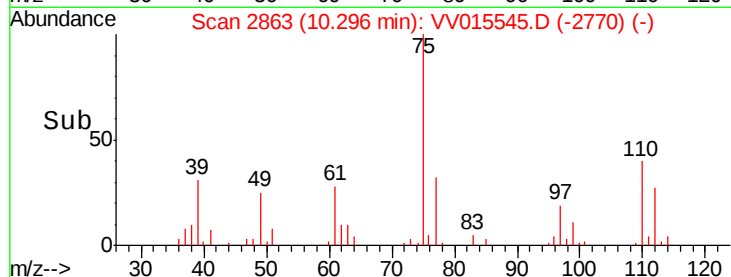
10000

5000

0

10.25 10.30 10.35

Time-->



#61

Bromoform

Concen: 4.656 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

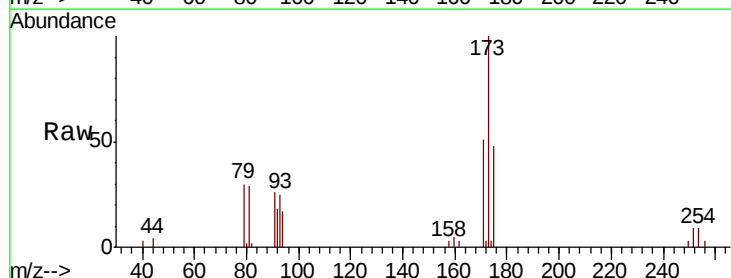
Tgt Ion: 173 Resp: 13808

Ion Ratio Lower Upper

173 100

175 49.3 38.2 57.2

254 8.6 6.6 10.0



Abundance Ion 172.90 (172.60 to 173.60): VV015526.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015526.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015526.D (-2683) (-)

9.75

10000

8000

6000

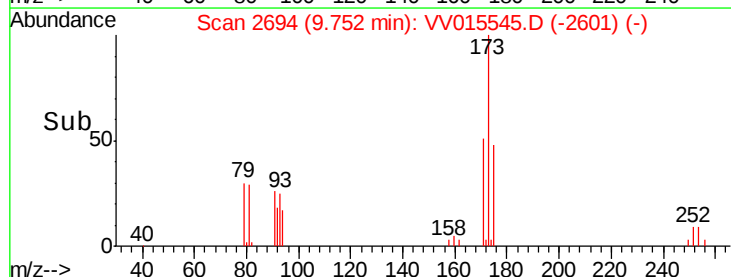
4000

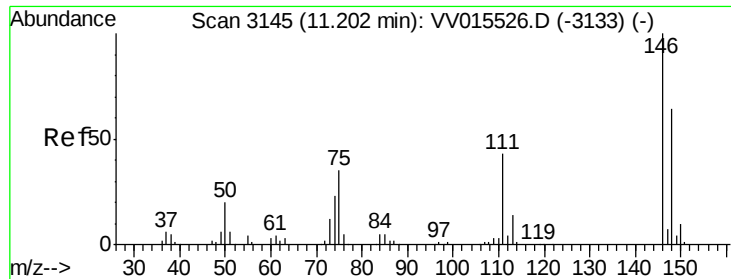
2000

0

9.70 9.75 9.80

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.078 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

ClientSampleId :

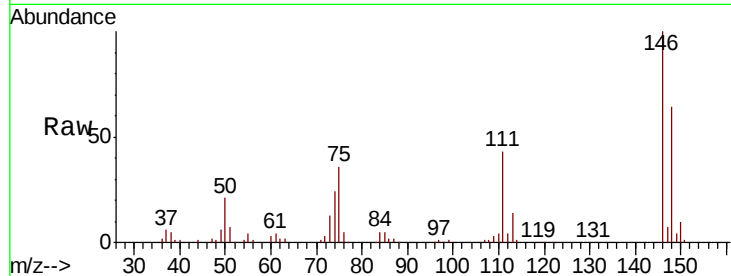
Tot Ion:146 Resp: 82787

Ion Ratio Lower Upper

146 100

111 43.3 29.3 54.5

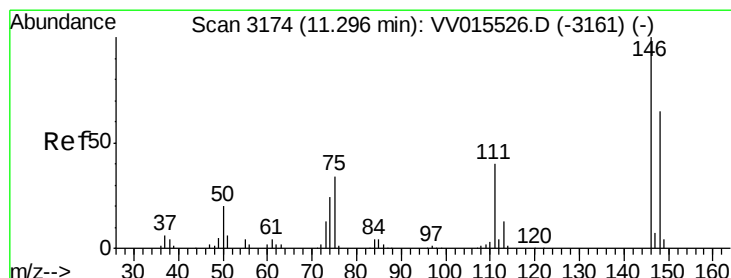
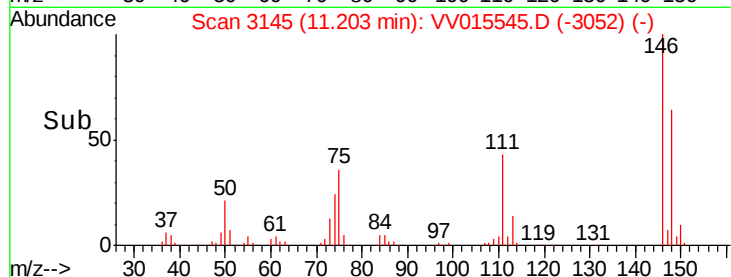
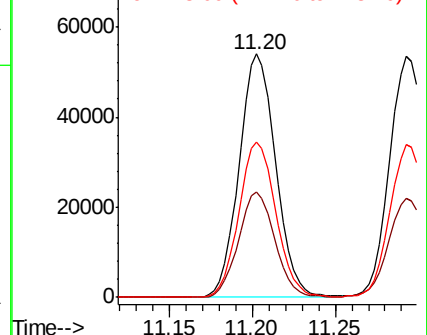
148 64.0 42.4 78.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.080 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

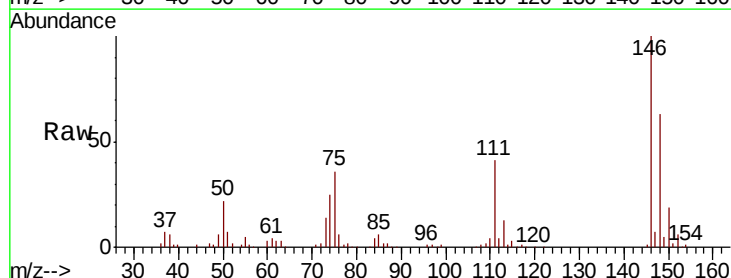
Tgt Ion:146 Resp: 84273

Ion Ratio Lower Upper

146 100

111 41.3 29.4 54.6

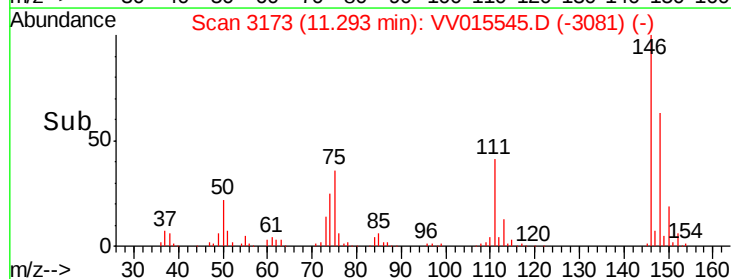
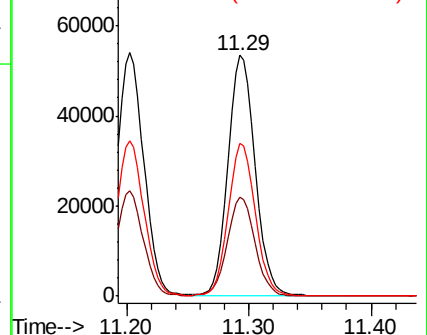
148 63.4 44.3 82.3

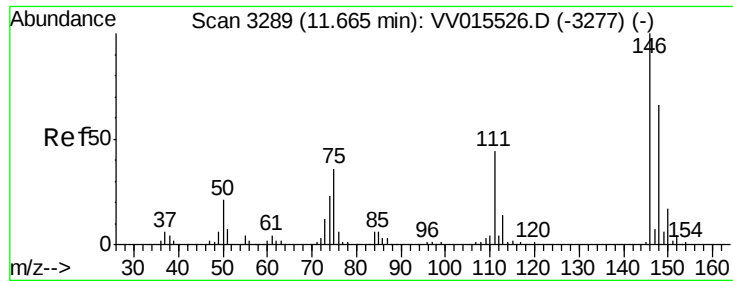


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.036 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

ClientSampleId :

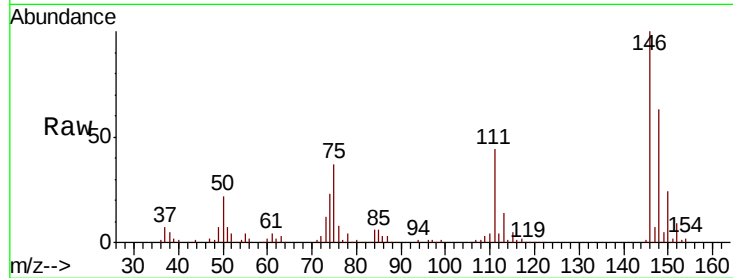
Tot Ion:146 Resp: 74847

Ion Ratio Lower Upper

146 100

111 43.8 35.8 53.6

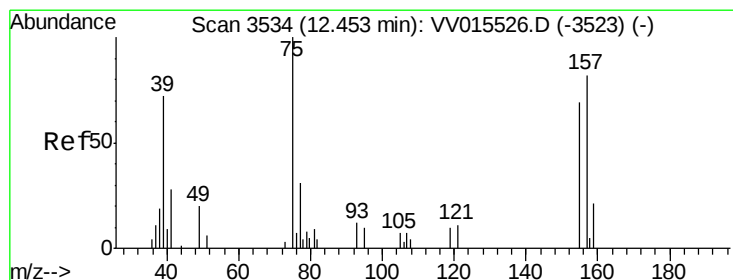
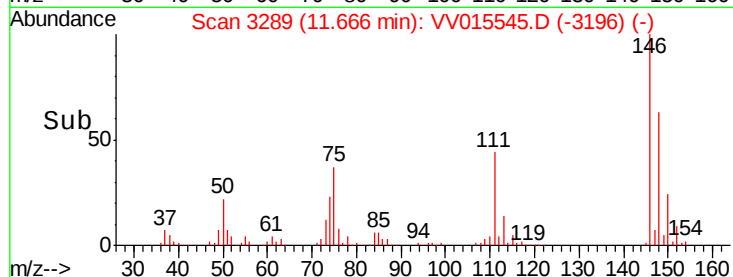
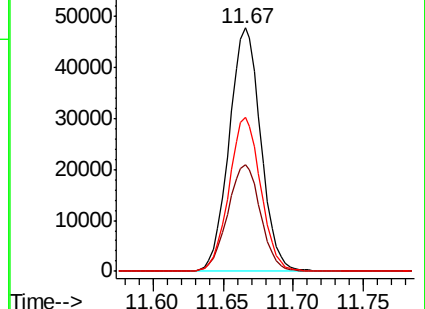
148 63.4 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.870 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

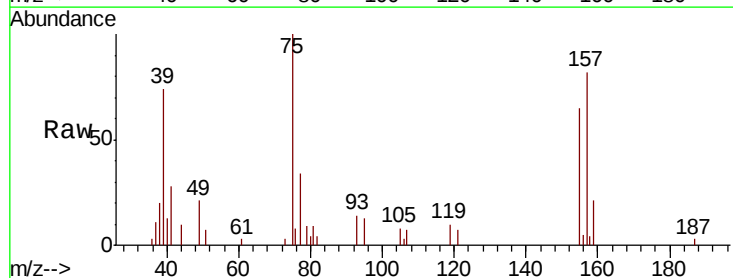
Tgt Ion: 75 Resp: 5538

Ion Ratio Lower Upper

75 100

155 64.5 60.8 91.2

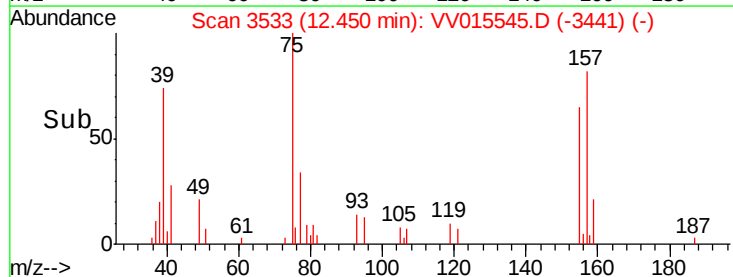
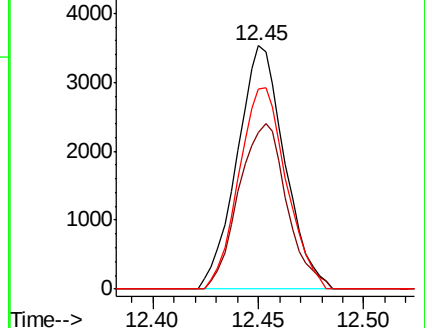
157 82.0 75.7 113.5

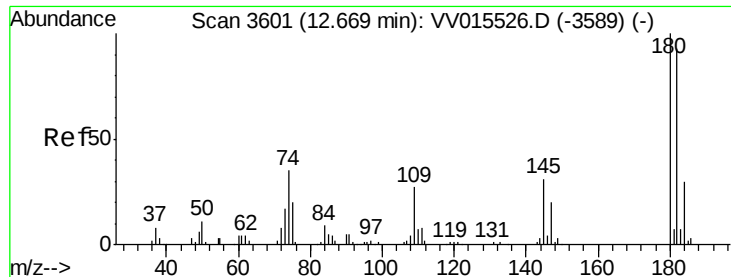


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

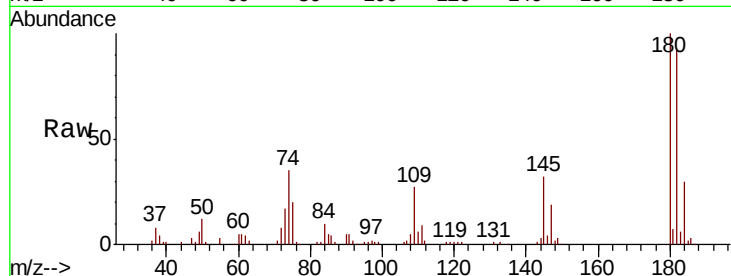




#67
 1,3,5-Trichlorobenzene
 Concen: 5.407 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.9	115.3
184	30.1	24.0	36.0
145	32.1	26.1	39.1



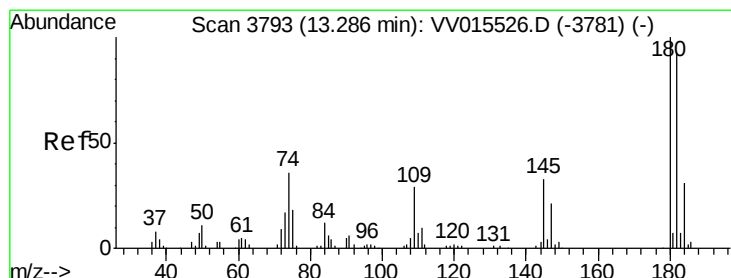
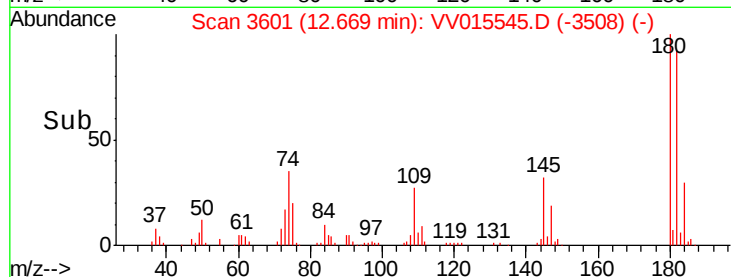
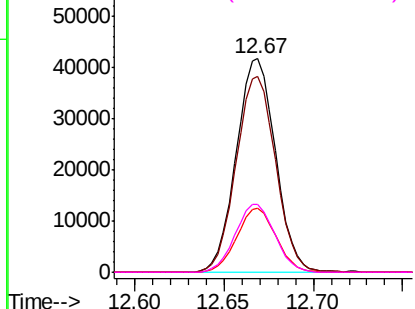
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

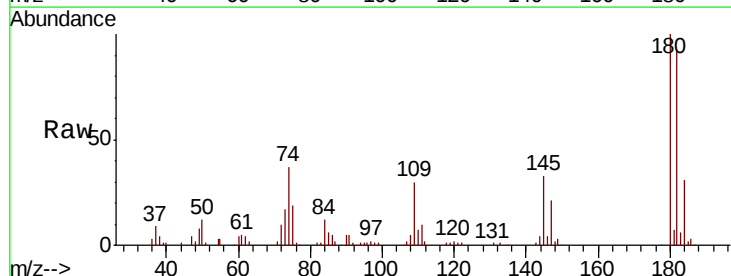
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.222 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015545.D
 Acq: 17 Apr 2020 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.6	115.0
145	32.5	25.9	38.9

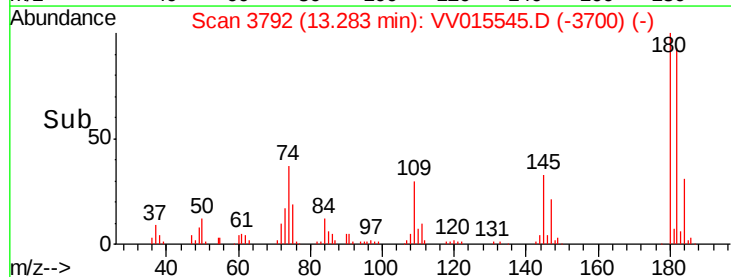
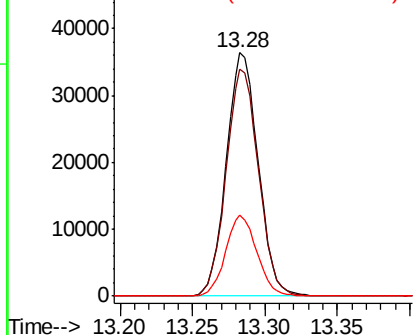


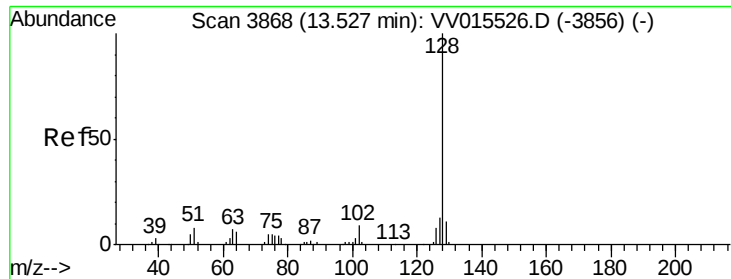
Abundance

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: 4.684 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

Instrument :

MSVOA_V

ClientSampleId :

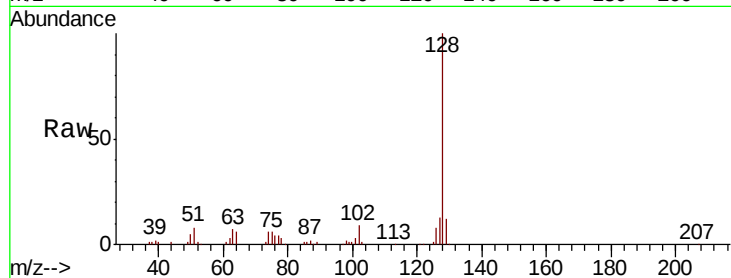
Tot Ion:128 Resp: 93643

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

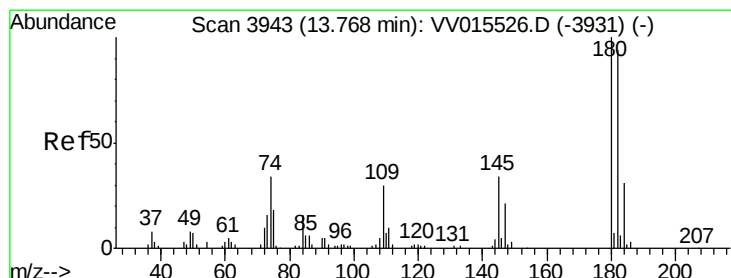
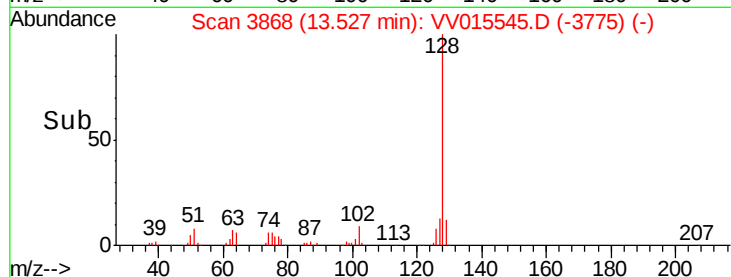
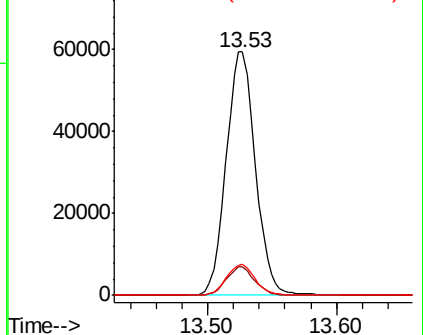
127 12.5 10.4 15.6



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: 5.177 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015545.D

Acq: 17 Apr 2020 10:34

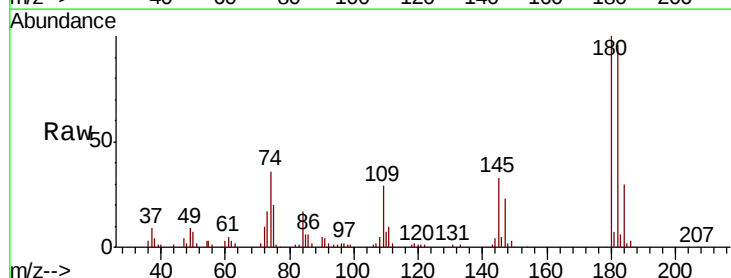
Tgt Ion:180 Resp: 48526

Ion Ratio Lower Upper

180 100

182 94.6 76.4 114.6

145 34.4 28.2 42.2



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

