

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015543.D
 Acq On : 16 Apr 2020 17:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 17 00:50:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 00:46:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	102871	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	97103	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	49577	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27970	5.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.80%
7) Chloroethane-d5	1.57	69	25742	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.12	63	59399	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.60%
20) 2-Butanone-d5	3.96	46	83382	55.64	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.28%
24) Chloroform-d	4.38	84	61434	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.06	65	33842	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.07	84	113447	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.09	67	35255	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.34	98	106831	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.64	79	14672	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.11	63	69732	49.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	25681	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	38768	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	51919	5.099	ug/L	98
3) Chloromethane	1.24	50	50107	5.168	ug/L	100
5) Vinyl chloride	1.32	62	46680	4.999	ug/L	100
6) Bromomethane	1.53	94	25501	4.942	ug/L	99
8) Chloroethane	1.59	64	28410	5.247	ug/L	98
9) Trichlorofluoromethane	1.76	101	63793	5.340	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	36083	5.348	ug/L	99
12) 1,1-Dichloroethene	2.13	96	33114	5.128	ug/L	93
13) Acetone	2.24	43	61140	57.742	ug/L #	54
14) Carbon disulfide	2.30	76	102776	4.565	ug/L	99
15) Methyl Acetate	2.47	43	15455	4.933	ug/L	95
16) Methylene chloride	2.52	84	38845	5.135	ug/L	97
17) Methyl tert-butyl Ether	2.79	73	95140	5.513	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	38349	5.270	ug/L	99
19) 1,1-Dichloroethane	3.21	63	74113	5.403	ug/L	98
21) 2-Butanone	4.03	43	97379	56.911	ug/L #	70
22) cis-1,2-Dichloroethene	3.94	96	40741	5.392	ug/L	96

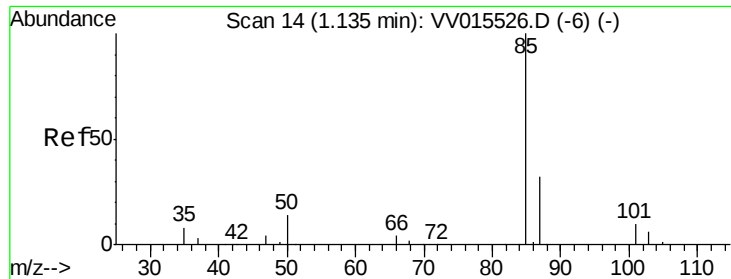
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015543.D
 Acq On : 16 Apr 2020 17:45
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 ClientSampleId :

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 QLast Update : Fri Apr 17 00:46:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	16887	5.372	ug/L	97
25) Chloroform	4.40	83	75997	5.414	ug/L	97
27) 1,2-Dichloroethane	5.16	62	50283	5.540	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	69585	5.523	ug/L	99
30) Cyclohexane	4.70	56	66939	5.005	ug/L	100
31) Carbon tetrachloride	4.85	117	58906	5.372	ug/L	100
33) Benzene	5.13	78	156708	5.392	ug/L	100
34) Trichloroethene	5.94	95	44796	5.727	ug/L	100
35) Methylcyclohexane	6.15	83	67601	5.129	ug/L	99
37) 1,2-Dichloropropane	6.20	63	40254	5.584	ug/L	100
38) Bromodichloromethane	6.53	83	52295	5.440	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	58430	5.282	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	263742	55.722	ug/L	99
42) Toluene	7.41	91	169732	5.379	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	50690	5.419	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	27307	5.636	ug/L	99
47) Tetrachloroethene	8.00	164	32621	5.629	ug/L	98
48) 2-Hexanone	8.16	43	182824	55.282	ug/L	99
49) Dibromochloromethane	8.27	129	31468	5.422	ug/L	98
50) 1,2-Dibromoethane	8.37	107	25427	5.475	ug/L	98
51) Chlorobenzene	8.90	112	107669	5.353	ug/L	99
52) Ethylbenzene	9.03	91	193904	5.338	ug/L	100
53) m,p-xylene	9.16	106	71258	5.195	ug/L	97
54) o-xylene	9.57	106	69552	5.238	ug/L	98
55) Styrene	9.58	104	117868	5.282	ug/L	99
56) Isopropylbenzene	9.95	105	192744	5.295	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	30083	5.101	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	24851	5.576	ug/L	98
61) Bromoform	9.76	173	14529	4.997	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	85540	5.351	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	87673	5.390	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	77706	5.332	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	5665	5.080	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	63528	5.500	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	57112	5.489	ug/L	100
69) Naphthalene	13.53	128	102136	5.210	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	51431	5.596	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.099 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

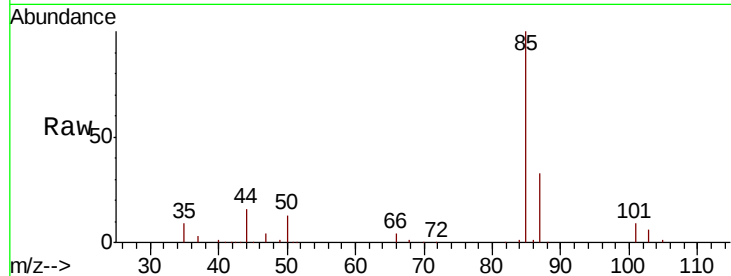
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 51919

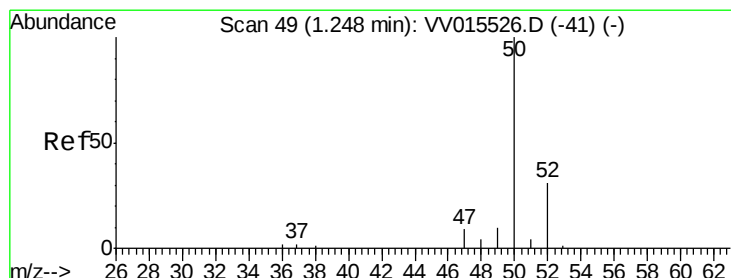
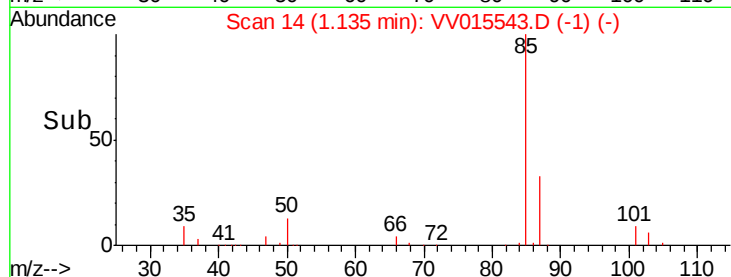
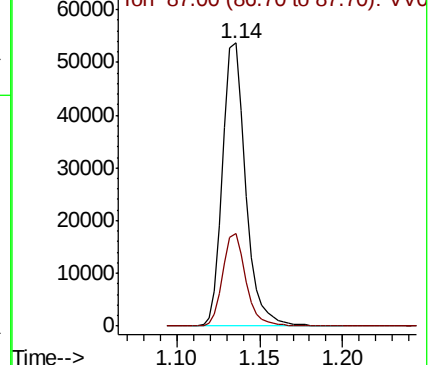
Ion Ratio Lower Upper

85 100

87 32.7 25.3 37.9



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



#3

Chloromethane

Concen: 5.168 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015543.D

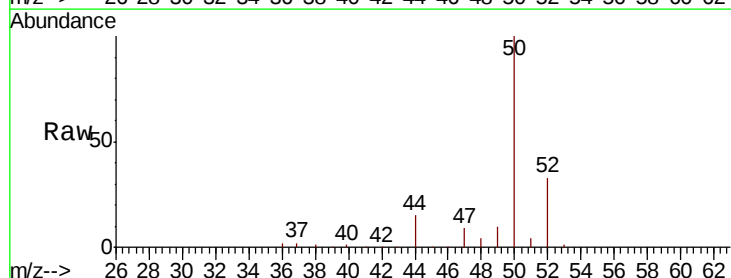
Acq: 16 Apr 2020 17:45

Tgt Ion: 50 Resp: 50107

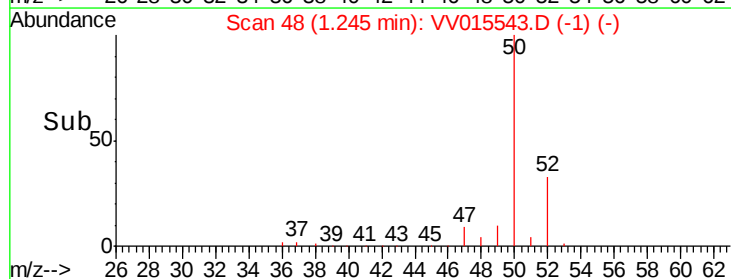
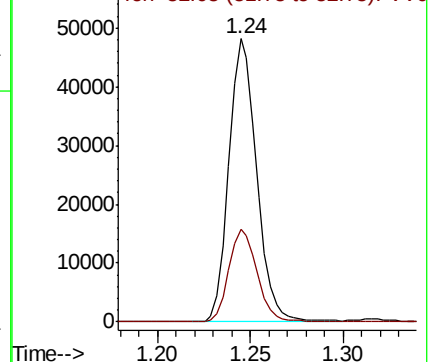
Ion Ratio Lower Upper

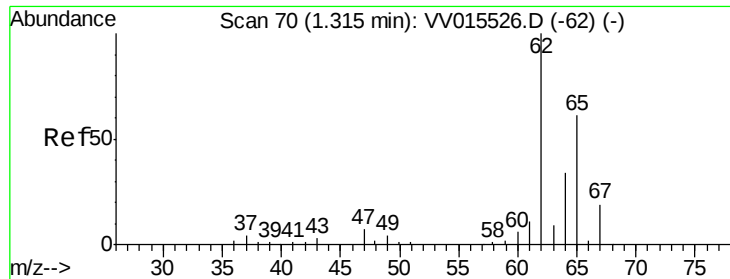
50 100

52 32.7 22.7 42.1



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





#5

Vinyl chloride

Concen: 4.999 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

Instrument :

MSVOA_V

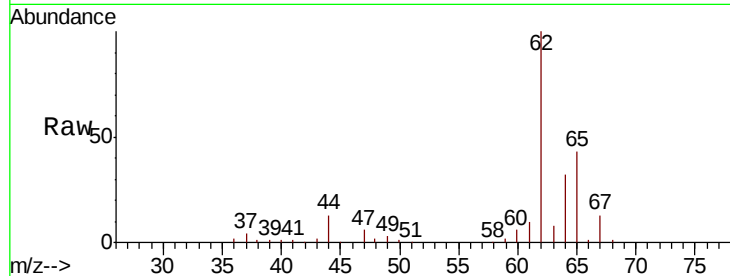
ClientSampled :

Tot Ion: 62 Resp: 46680

Ion Ratio Lower Upper

62 100

64 32.0 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

50000

40000

30000

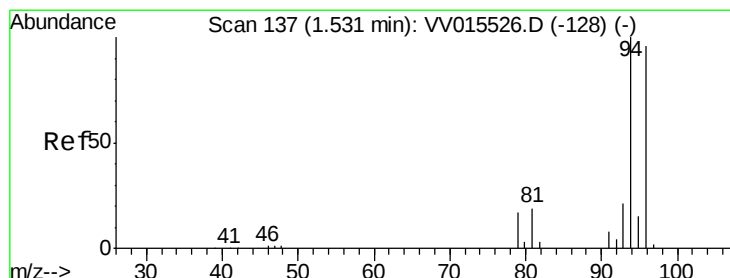
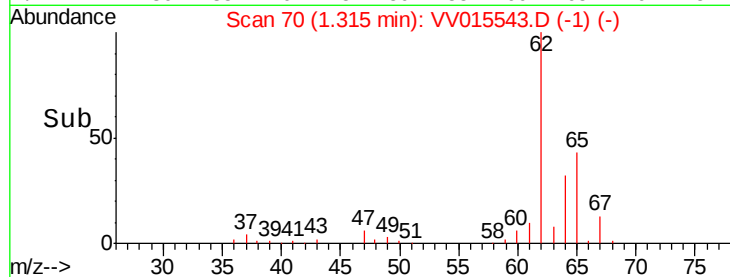
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.942 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015543.D

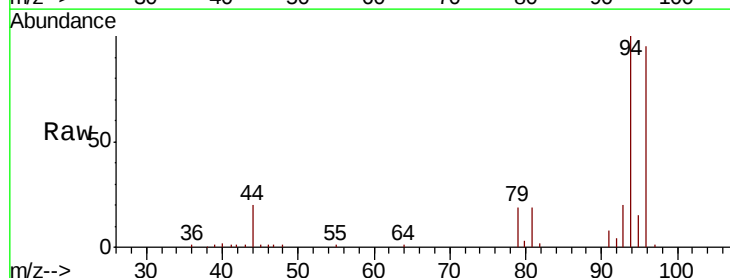
Acq: 16 Apr 2020 17:45

Tgt Ion: 94 Resp: 25501

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

1.53

25000

20000

15000

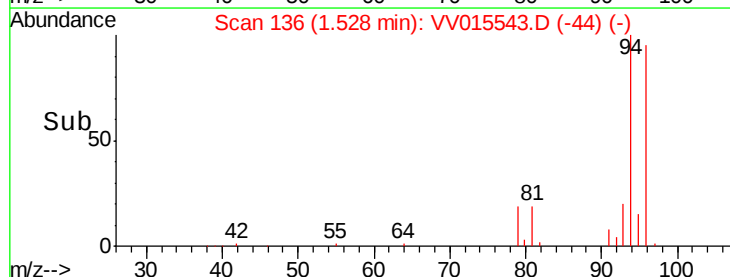
10000

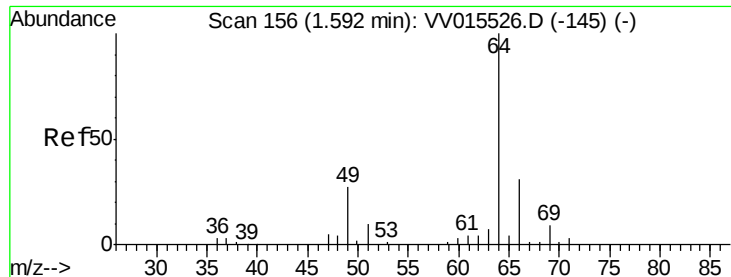
5000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.247 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

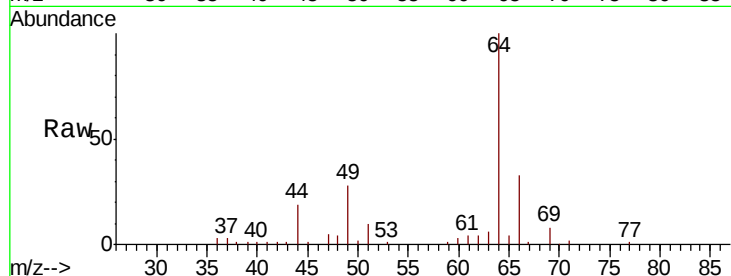
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 28410

Ion Ratio Lower Upper

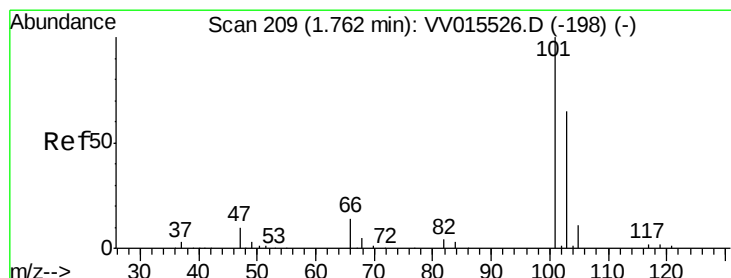
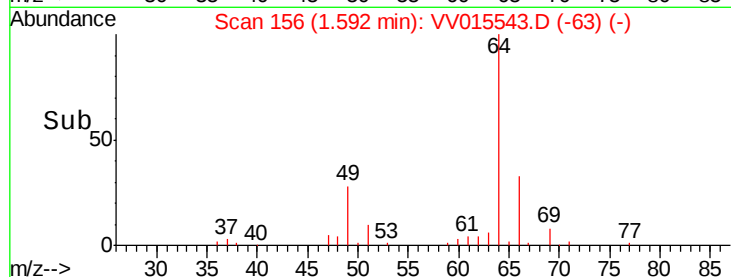
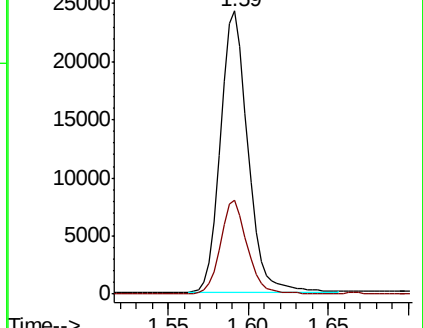
64 100

66 33.0 22.3 41.5



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

Ion 66.05 (65.75 to 66.75): VV015543.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.340 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015543.D

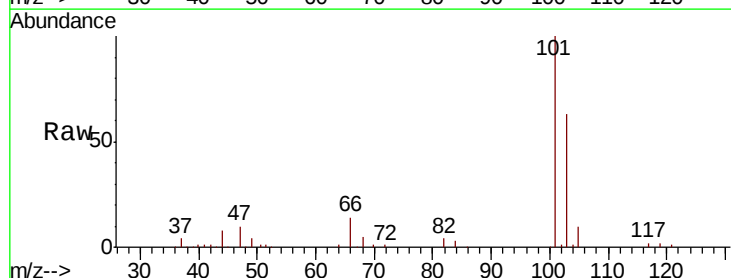
Acq: 16 Apr 2020 17:45

Tgt Ion:101 Resp: 63793

Ion Ratio Lower Upper

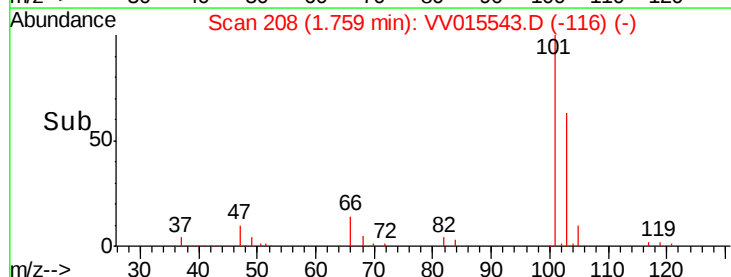
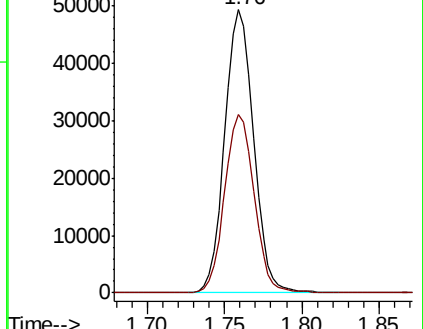
101 100

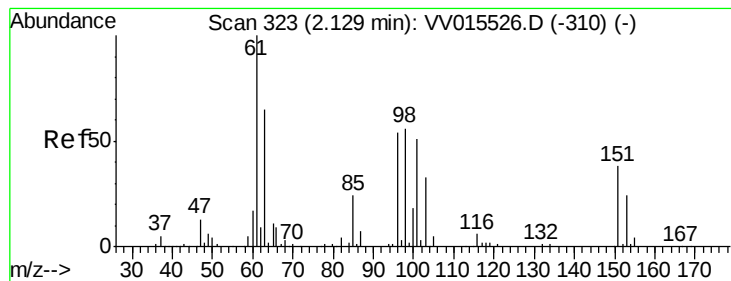
103 64.3 51.9 77.9



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

Ion 103.00 (102.70 to 103.70): VV015543.D (-116) (-)





#10

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

Concen: 5.348 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

Instrument :

MSVOA_V

ClientSampled :

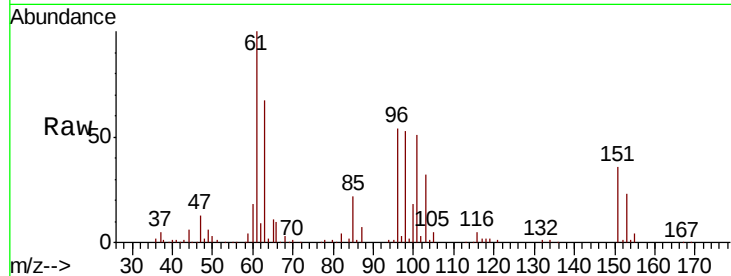
Tot Ion:101 Resp: 36083

Ion Ratio Lower Upper

101 100

85 43.7 36.3 54.5

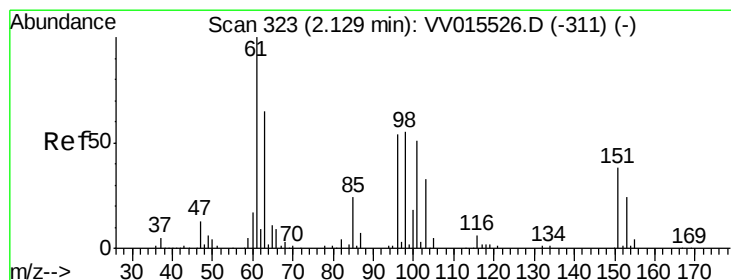
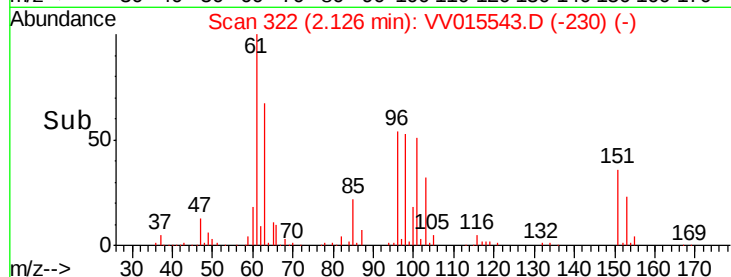
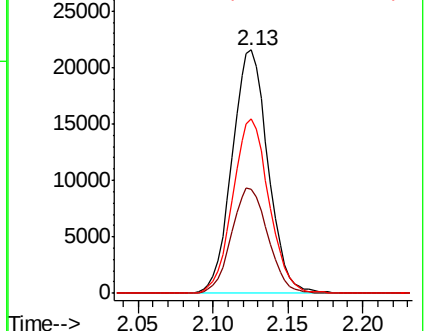
151 72.4 58.2 87.4



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: 5.128 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

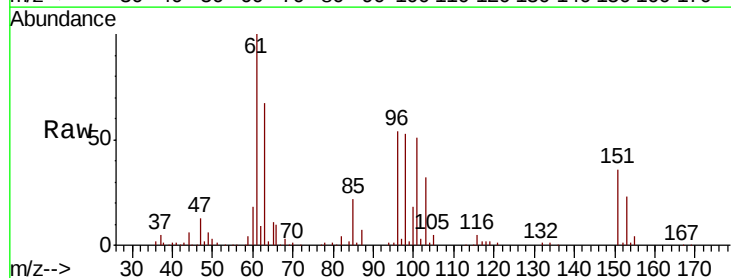
Tgt Ion: 96 Resp: 33114

Ion Ratio Lower Upper

96 100

61 185.0 127.7 237.1

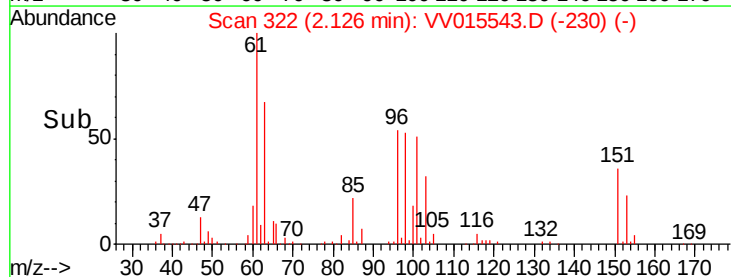
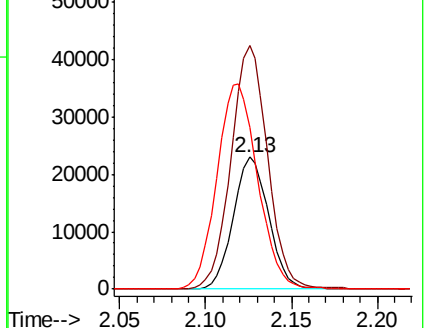
63 123.1 75.1 139.5

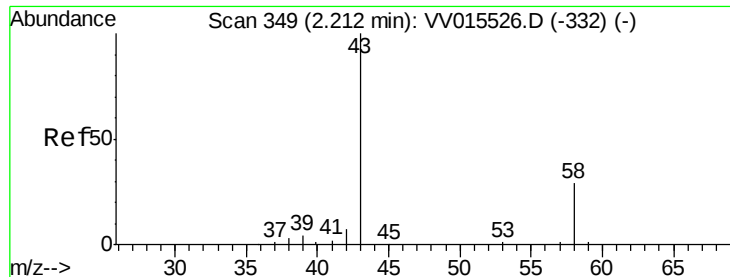


Abundance Ion 96.00 (95.70 to 96.70): VV015526.D (-311) (-)

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: 57.742 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.03 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

Instrument :

MSVOA_V

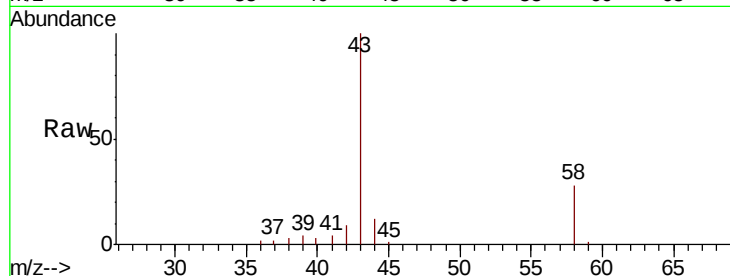
ClientSampleId :

Tot Ion: 43 Resp: 61140

Ion Ratio Lower Upper

43 100

58 28.4 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) (-)

2.24

12000

10000

8000

6000

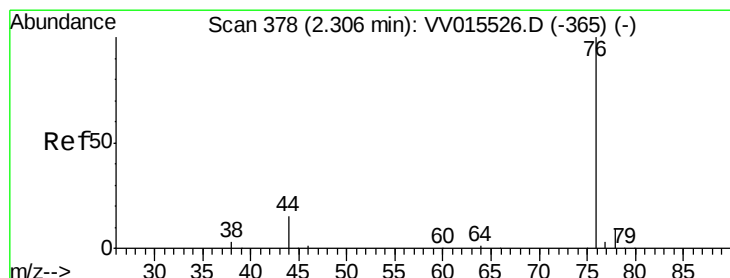
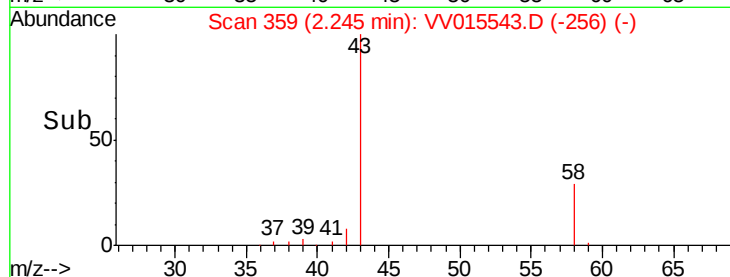
4000

2000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.565 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015543.D

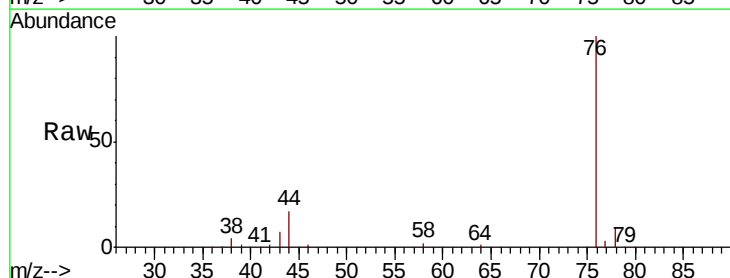
Acq: 16 Apr 2020 17:45

Tgt Ion: 76 Resp: 102776

Ion Ratio Lower Upper

76 100

78 8.6 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) (-)

2.30

80000

60000

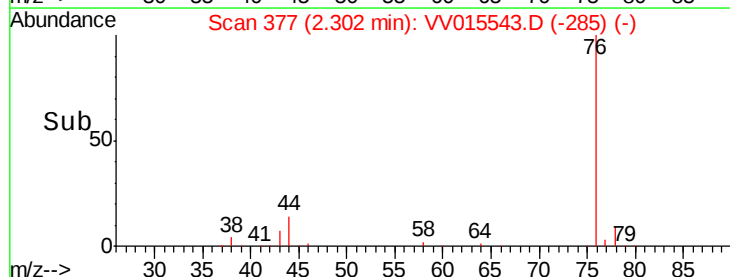
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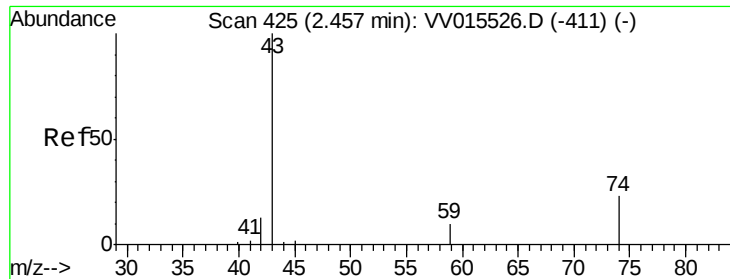
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0

Time-->

2.25 2.30 2.35 2.40

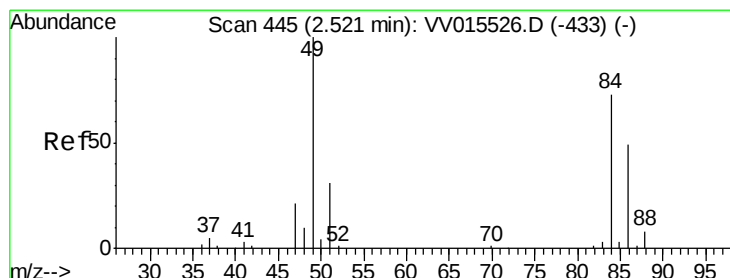
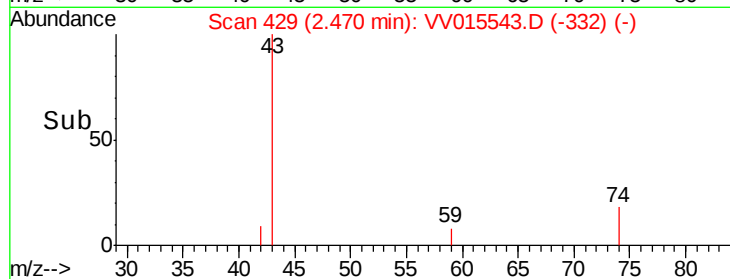
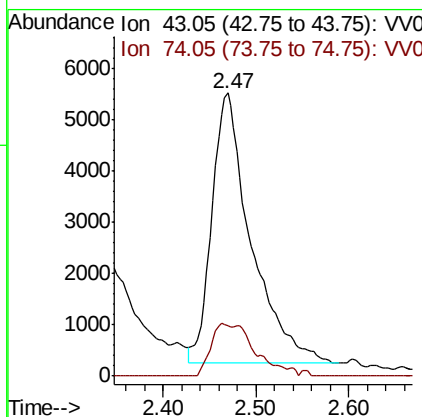
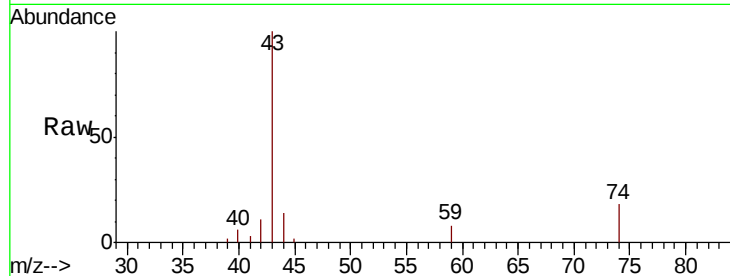




#15
Methvl Acetate
Concen: 4.933 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

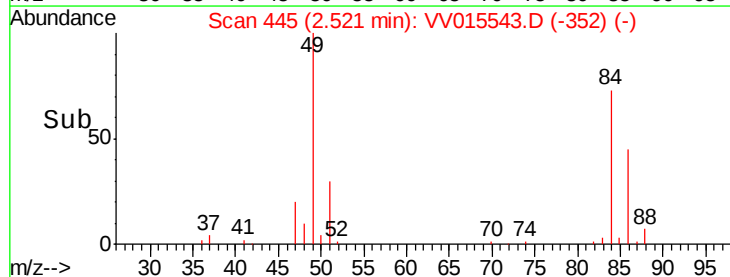
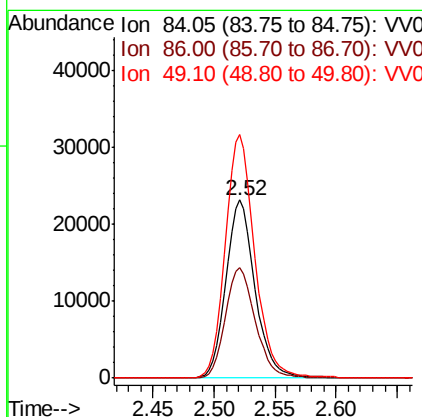
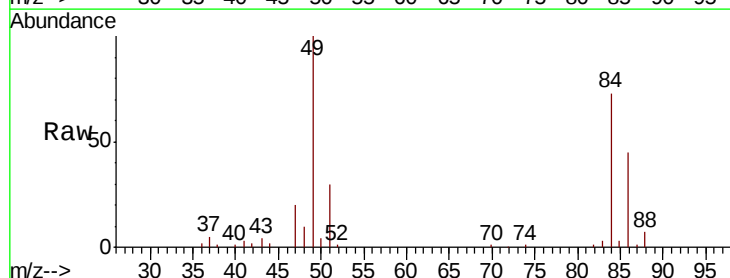
Instrument :
MSVOA_V
ClientSampleId :

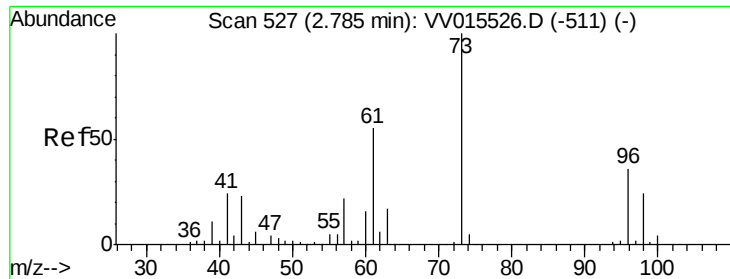
Tot Ion: 43 Resp: 15455
Ion Ratio Lower Upper
43 100
74 21.4 15.4 23.2



#16
Methylene chloride
Concen: 5.135 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion: 84 Resp: 38845
Ion Ratio Lower Upper
84 100
86 61.8 45.1 83.7
49 136.8 97.9 181.7

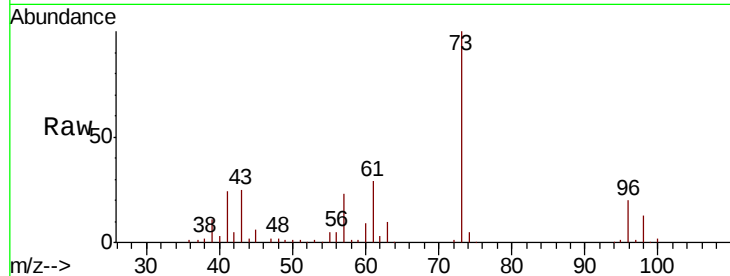




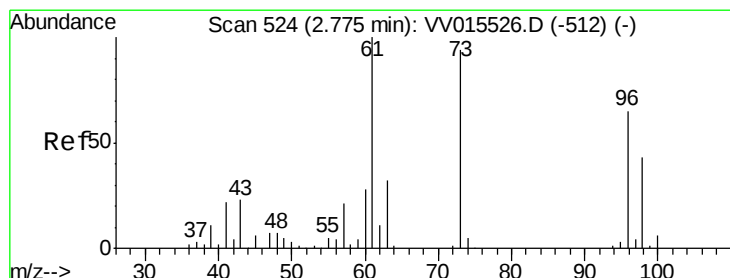
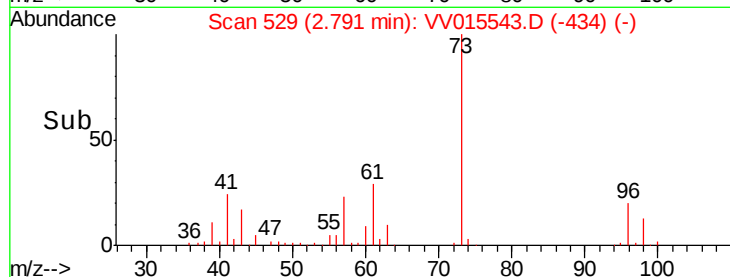
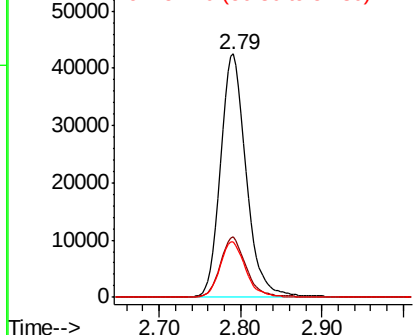
#17
Methvl tert-butvl Ether
Concen: 5.513 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 95140
Ion Ratio Lower Upper
73 100
43 23.9 18.3 27.5
57 22.9 18.4 27.6

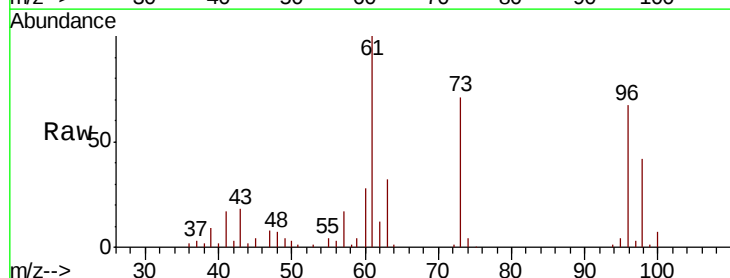


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

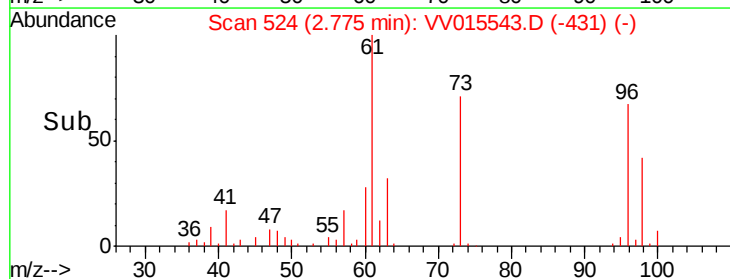
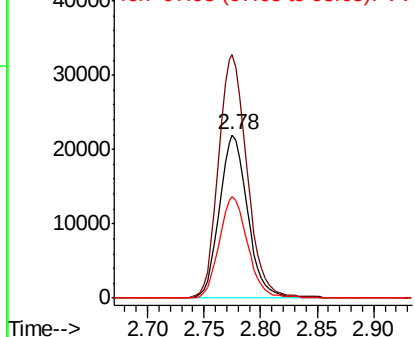


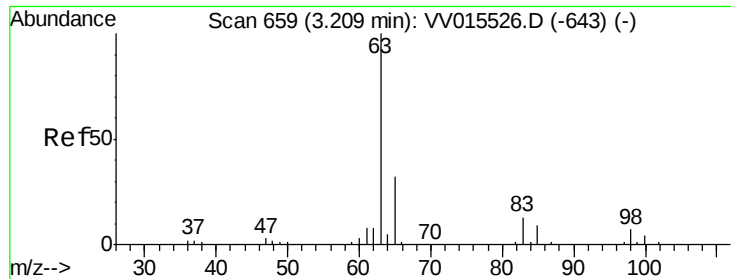
#18
trans-1,2-Dichloroethene
Concen: 5.270 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion: 96 Resp: 38349
Ion Ratio Lower Upper
96 100
61 148.9 104.4 194.0
98 62.0 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

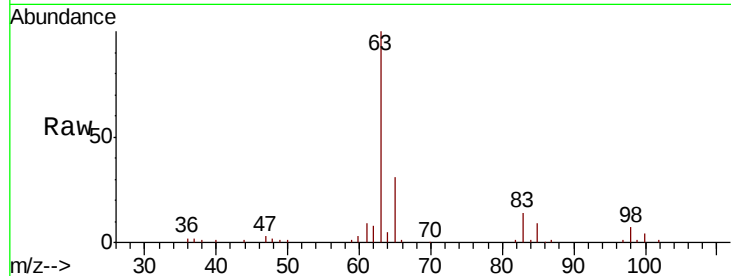




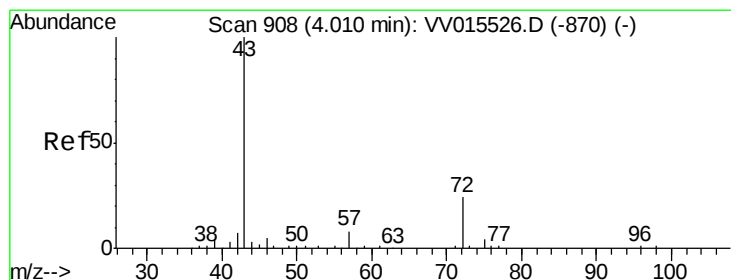
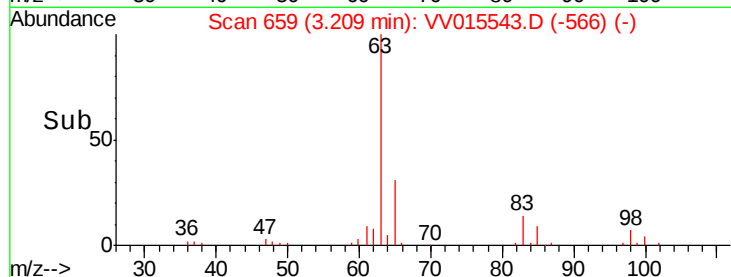
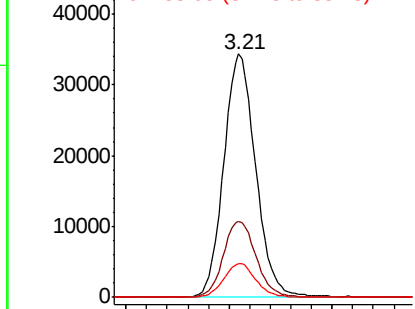
#19
 1,1-Dichloroethane
 Concen: 5.403 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 74113
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.3 39.6
 83 14.1 9.4 17.6

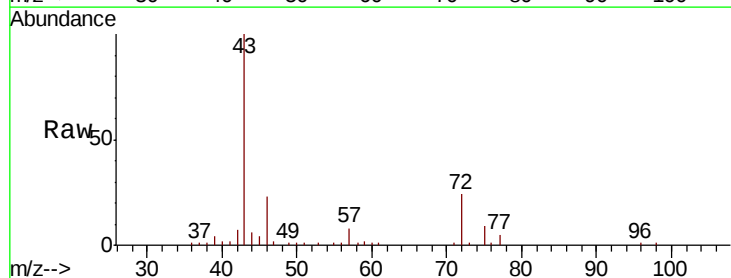


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

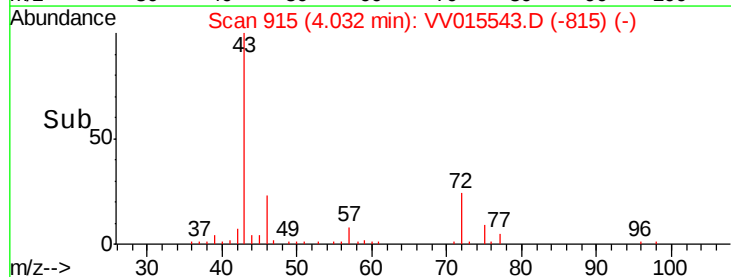
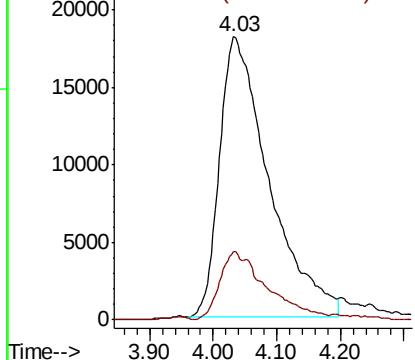


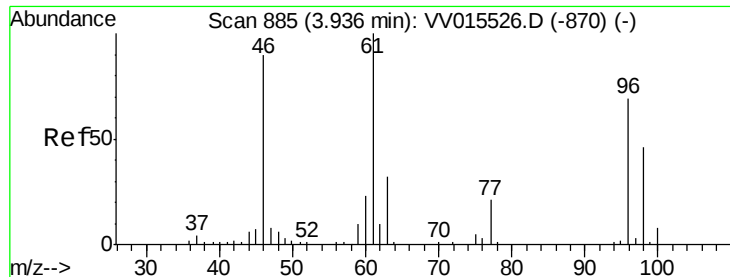
#21
 2-Butanone
 Concen: 56.911 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. 0.02 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Tgt Ion: 43 Resp: 97379
 Ion Ratio Lower Upper
 43 100
 72 23.5 5.9 17.8#



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



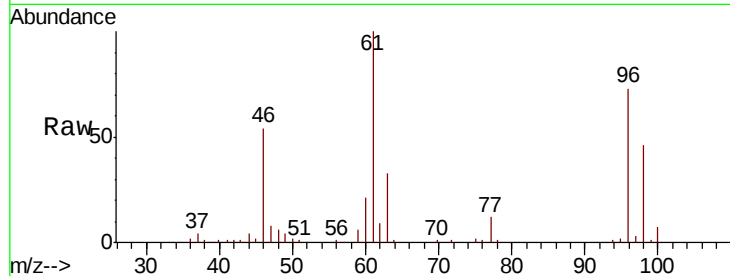


#22

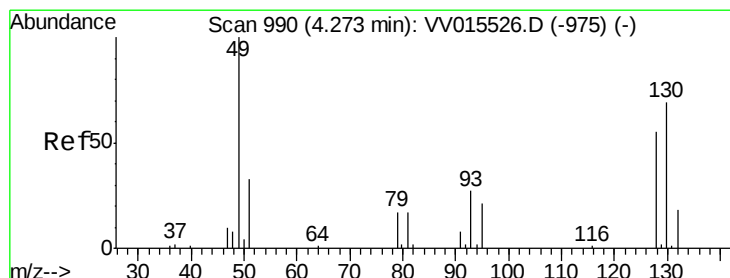
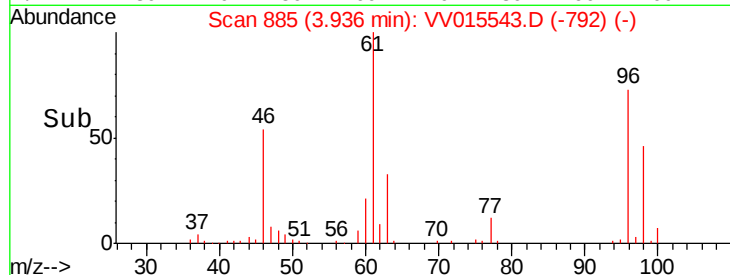
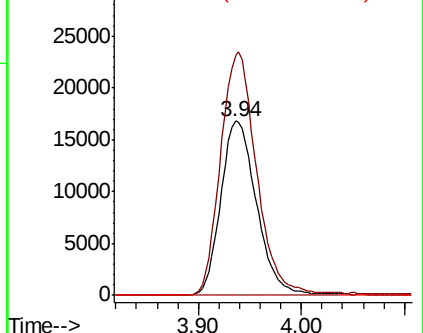
cis-1,2-Dichloroethene
Concen: 5.392 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 40741
Ion Ratio Lower Upper
96 100
61 137.5 100.0 185.8
68 0.0 0.0 0.0



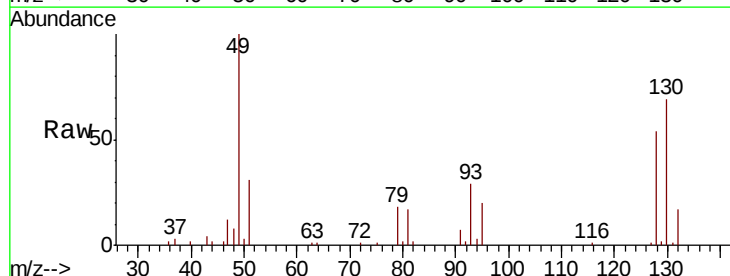
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



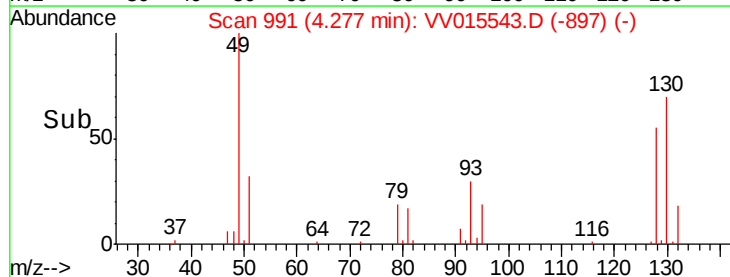
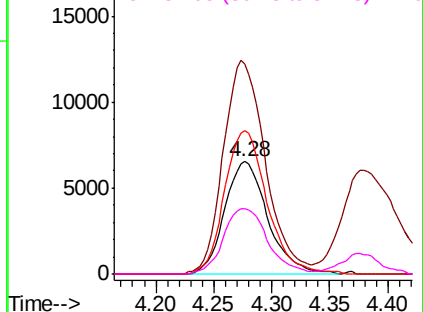
#23

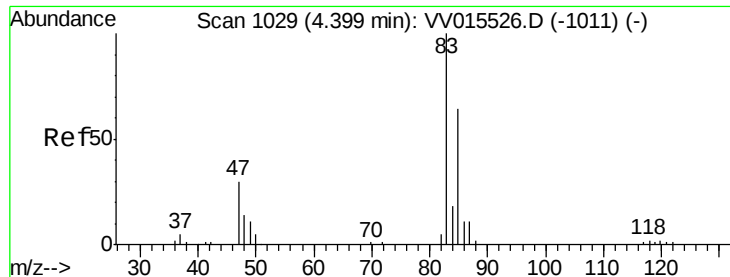
Bromochloromethane
Concen: 5.372 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion: 128 Resp: 16887
Ion Ratio Lower Upper
128 100
49 186.2 128.8 239.2
130 127.7 93.5 173.7
51 58.3 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

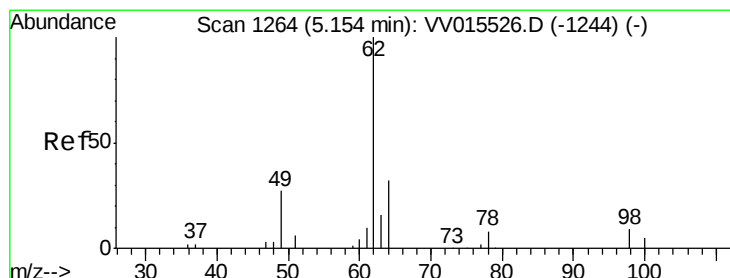
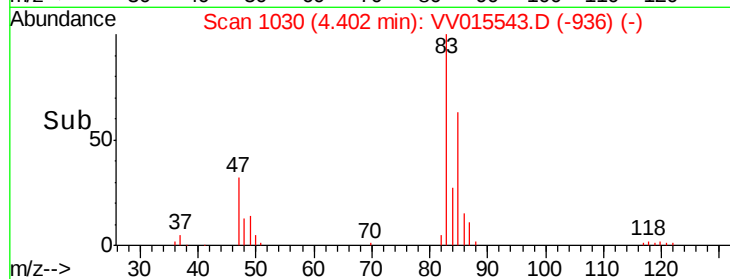
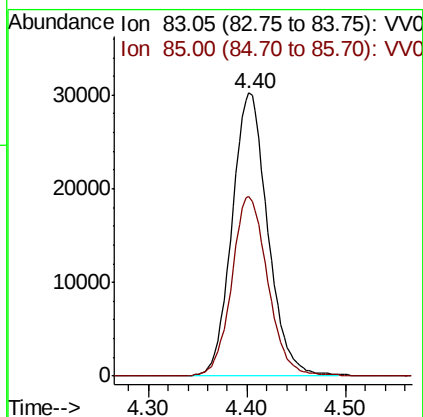
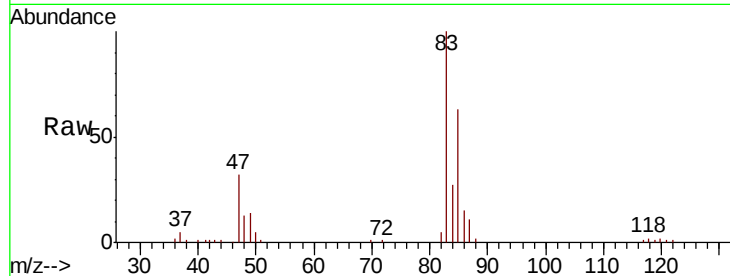




#25
Chloroform
Concen: 5.414 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

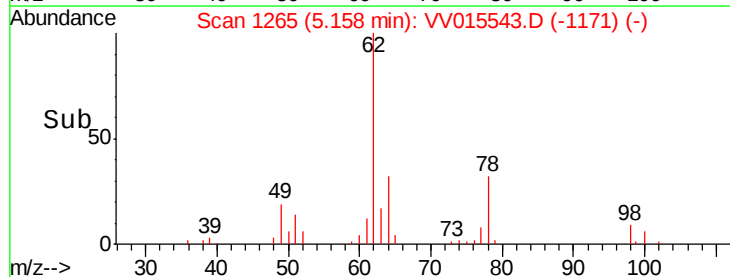
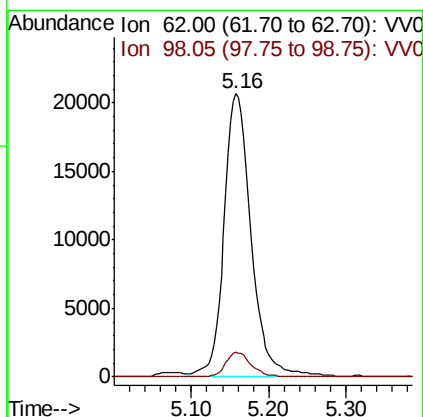
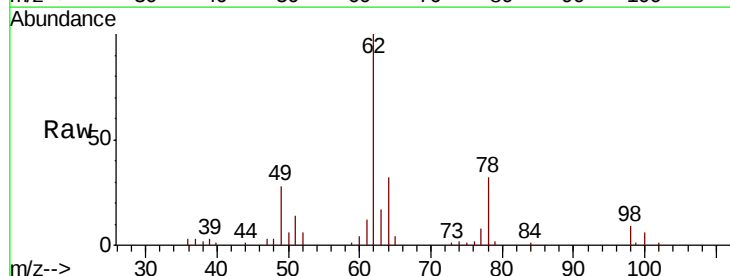
Instrument :
MSVOA_V
ClientSampleId :

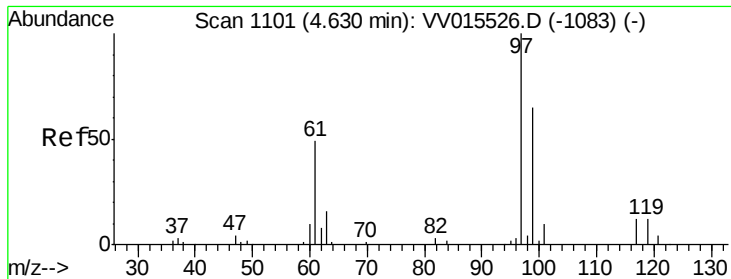
Tot Ion: 83 Resp: 75997
Ion Ratio Lower Upper
83 100
85 63.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.540 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion: 62 Resp: 50283
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0

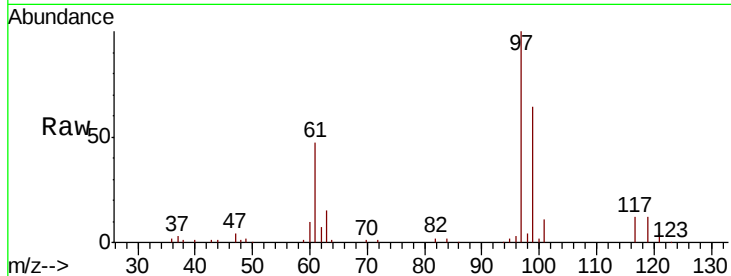




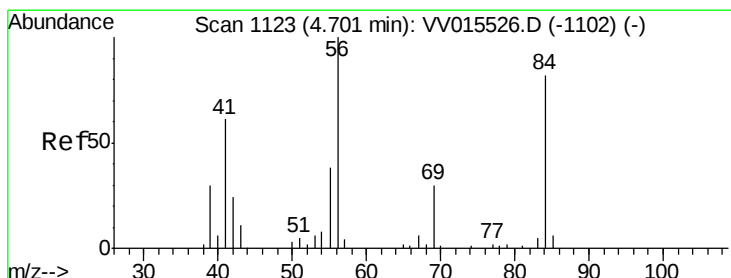
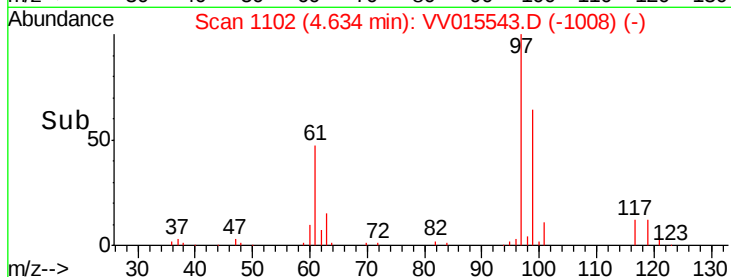
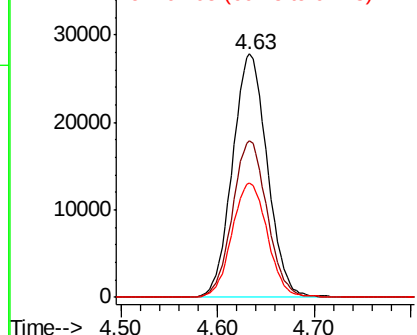
#29
1,1,1-Trichloroethane
Concen: 5.523 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 69585
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 47.8 39.0 58.6

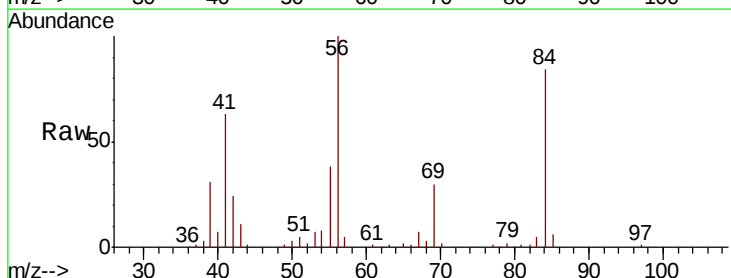


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

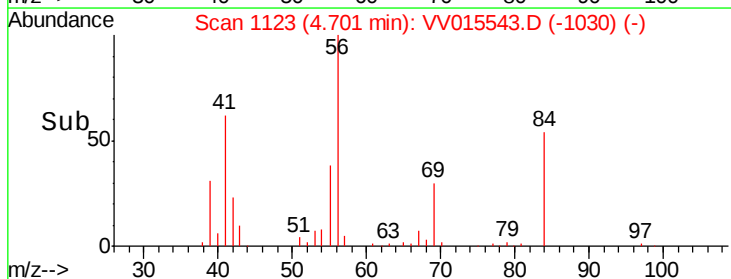
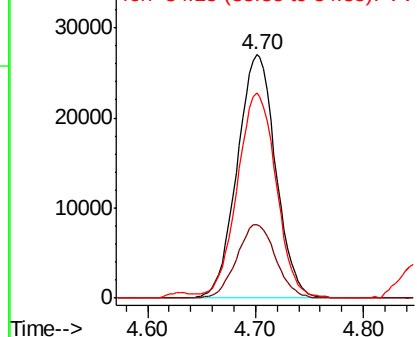


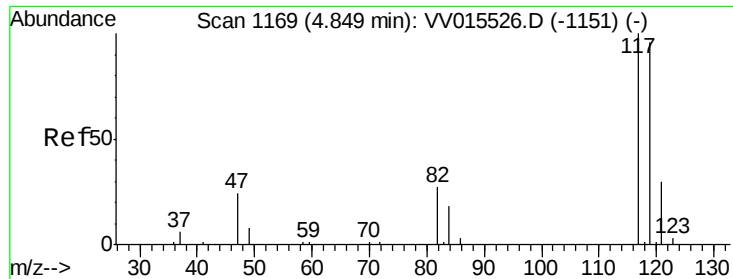
#30
Cyclohexane
Concen: 5.005 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion: 56 Resp: 66939
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.4
84 85.6 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

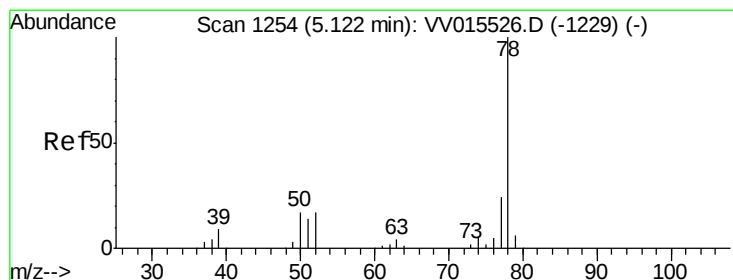
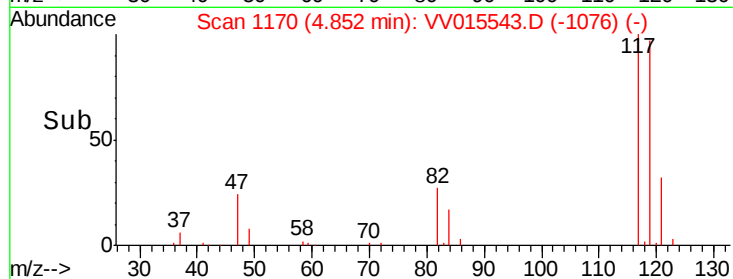
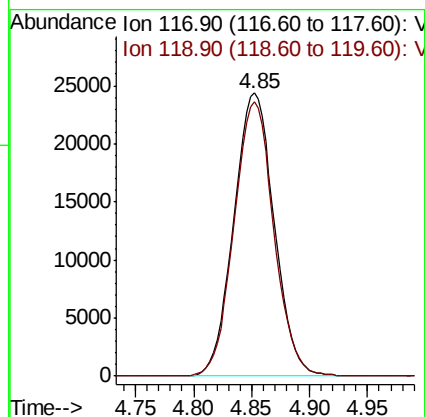
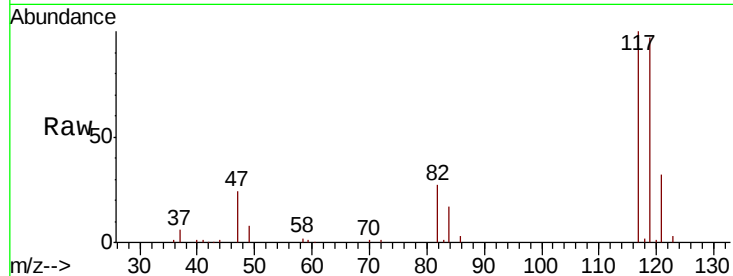




#31
Carbon tetrachloride
Concen: 5.372 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

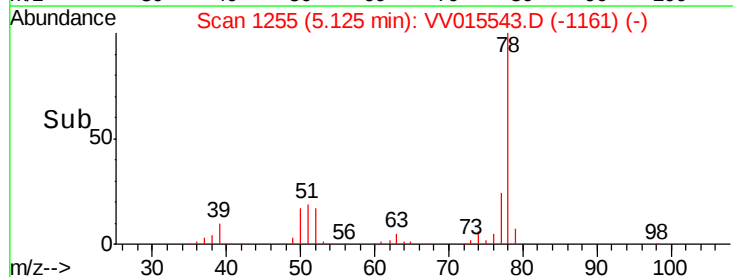
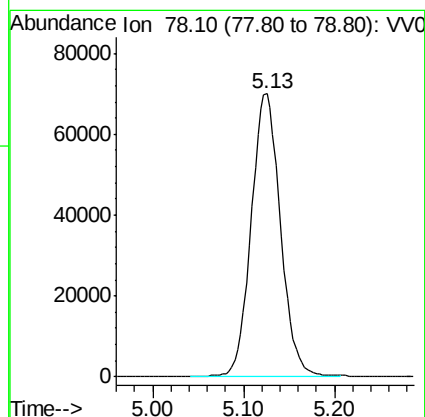
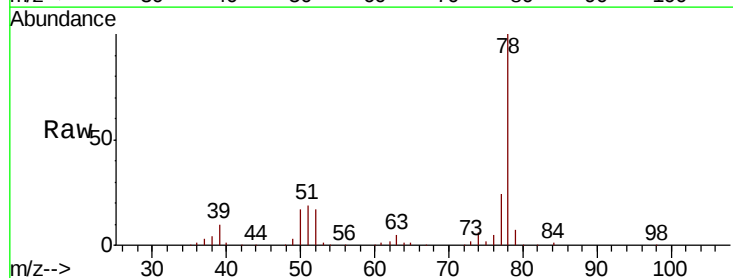
Instrument :
MSVOA_V
ClientSampled :

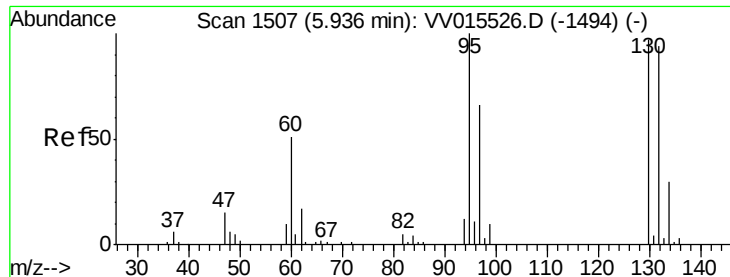
Tot Ion:117 Resp: 58906
Ion Ratio Lower Upper
117 100
119 95.4 76.6 115.0



#33
Benzene
Concen: 5.392 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion: 78 Resp: 156708

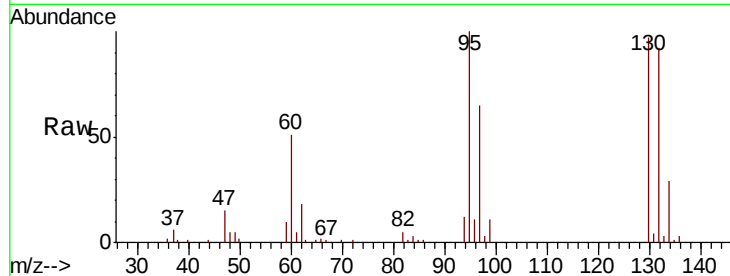




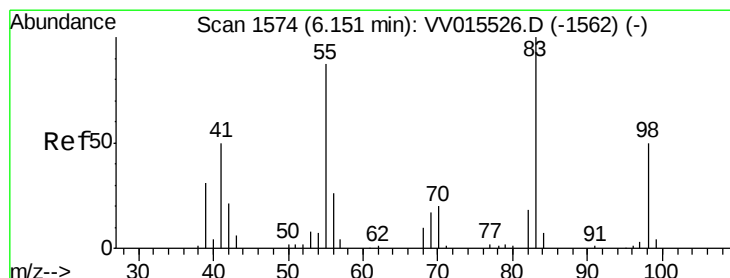
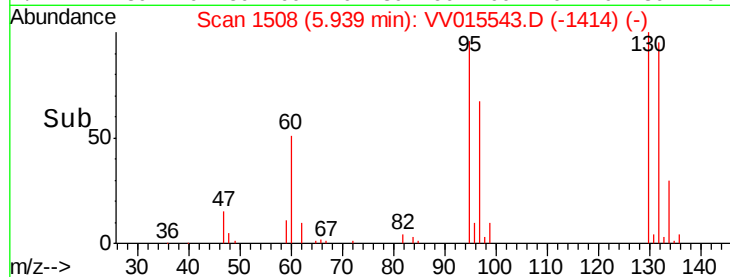
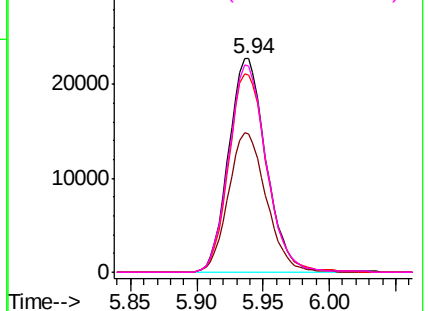
#34
 Trichloroethene
 Concen: 5.727 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 44796
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.4 84.4
 132 92.3 64.8 120.4
 130 96.7 67.4 125.2

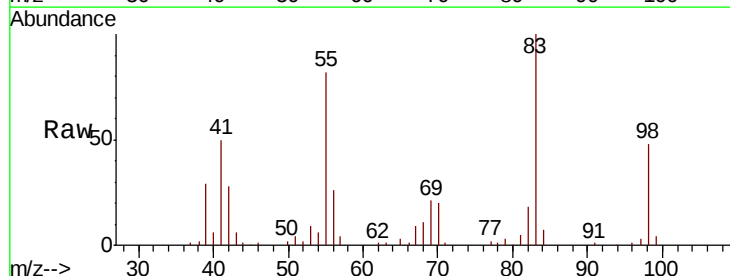


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

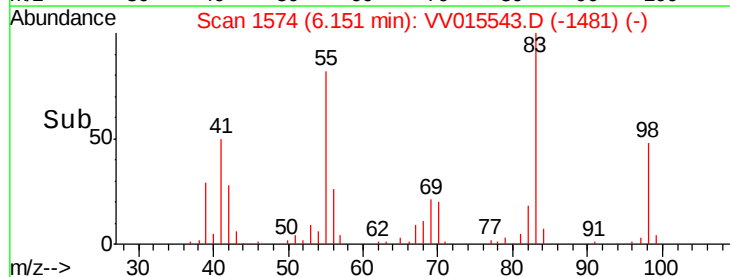
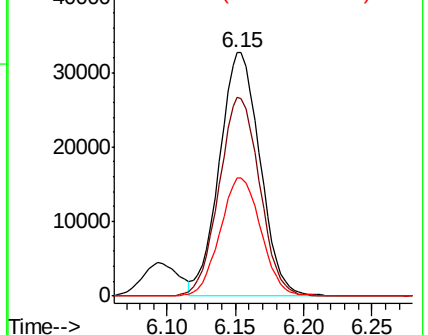


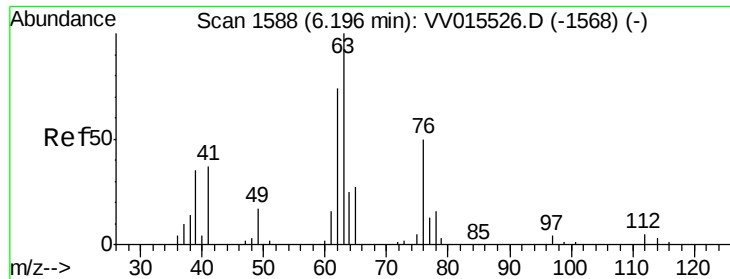
#35
 Methylcyclohexane
 Concen: 5.129 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Tgt Ion: 83 Resp: 67601
 Ion Ratio Lower Upper
 83 100
 55 81.5 66.6 99.8
 98 48.9 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

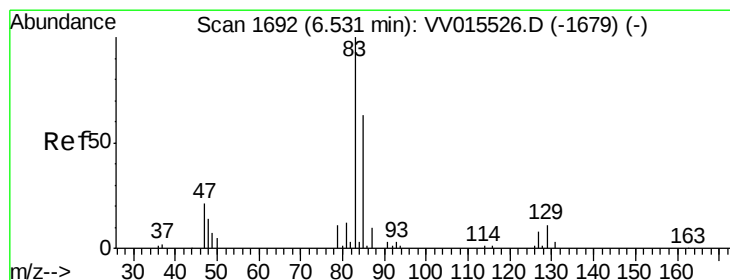
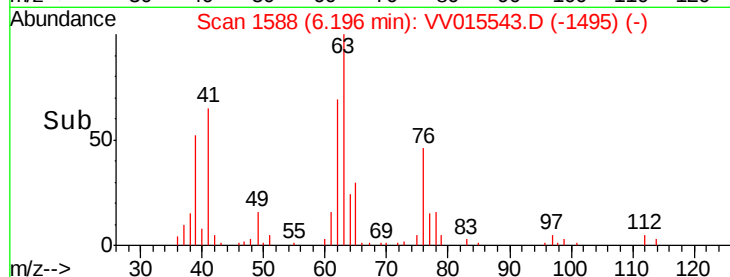
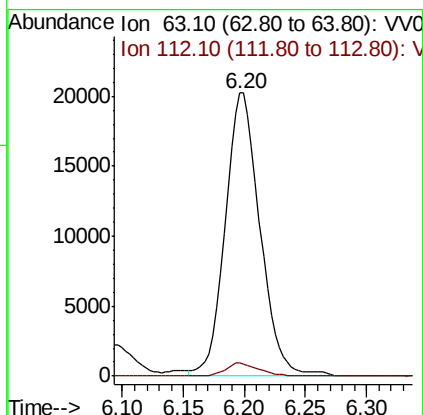
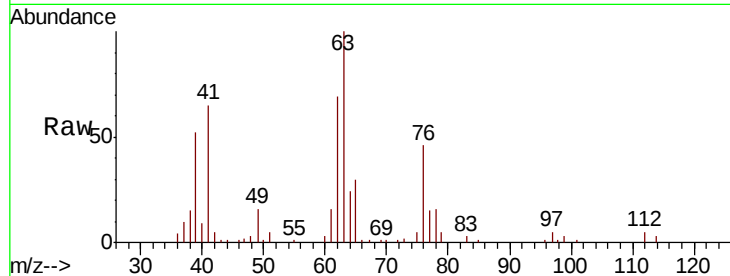




#37
 1,2-Dichloropropane
 Concen: 5.584 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

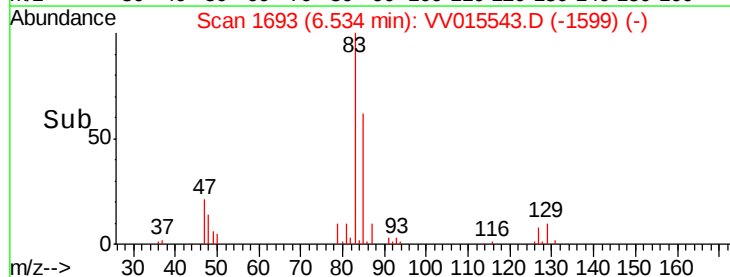
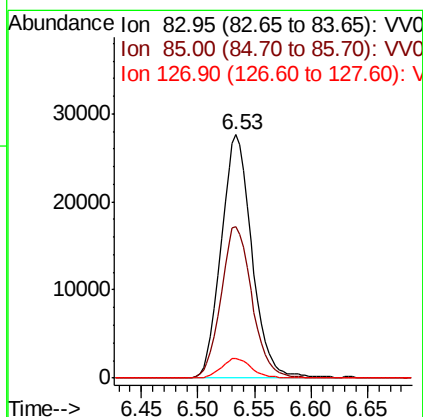
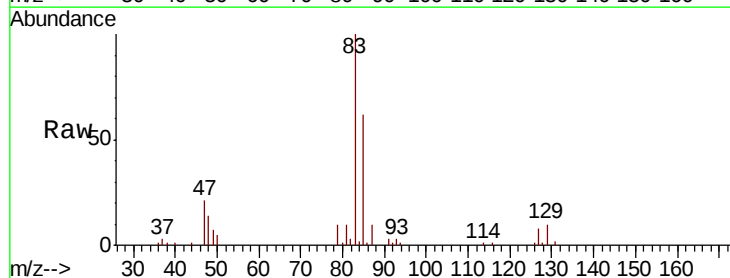
Instrument :
 MSVOA_V
 ClientSampled :

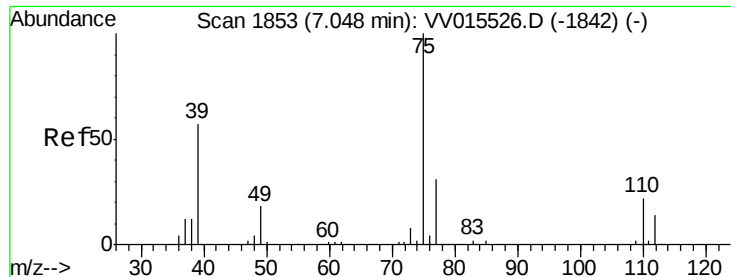
Tot Ion: 63 Resp: 40254
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.440 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Tgt Ion: 83 Resp: 52295
 Ion Ratio Lower Upper
 83 100
 85 62.3 42.6 79.2
 127 8.0 6.6 9.8

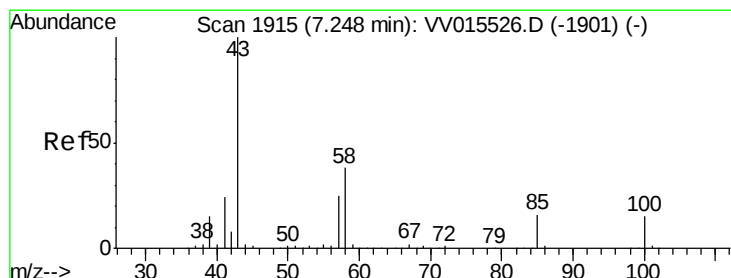
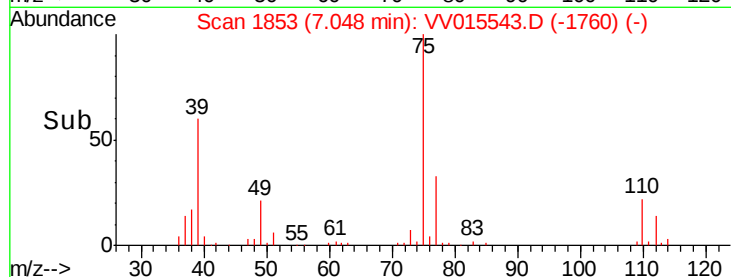
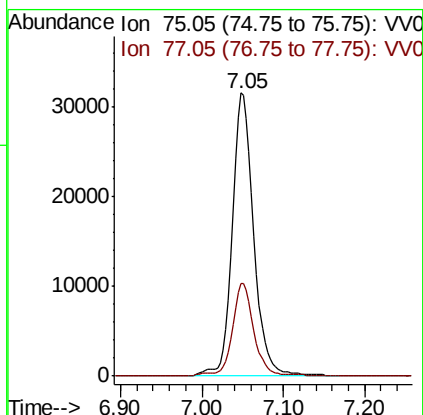
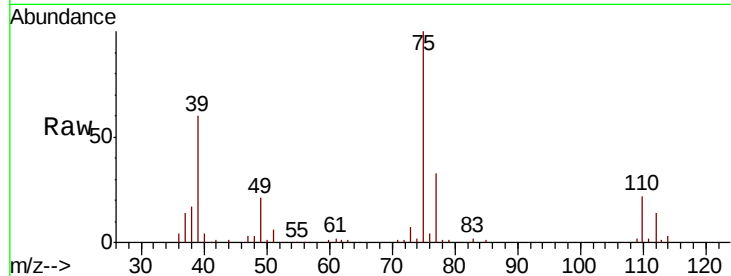




#39
 cis-1,3-Dichloropropene
 Concen: 5.282 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

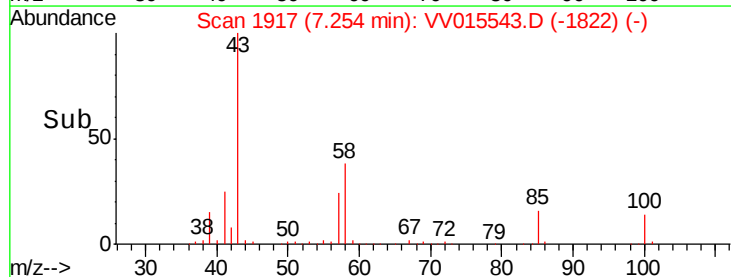
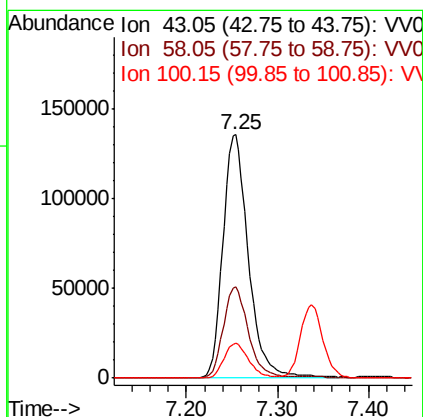
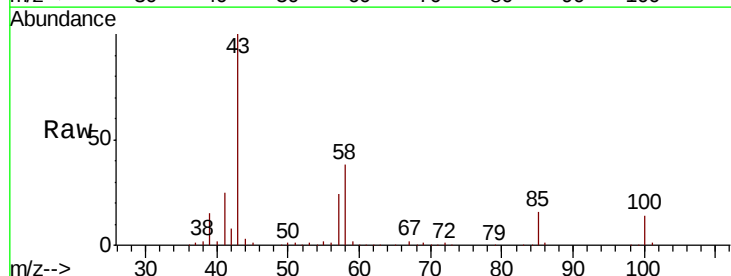
Instrument :
 MSVOA_V
 ClientSampleId :

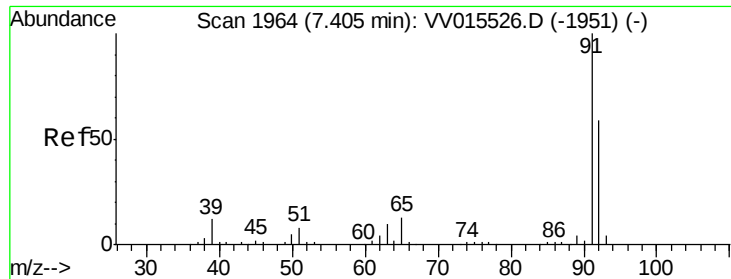
Tot Ion: 75 Resp: 58430
 Ion Ratio Lower Upper
 75 100
 77 32.7 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 55.722 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Tgt Ion: 43 Resp: 263742
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.0 43.6
 100 13.9 11.0 16.6





#42

Toluene

Concen: 5.379 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

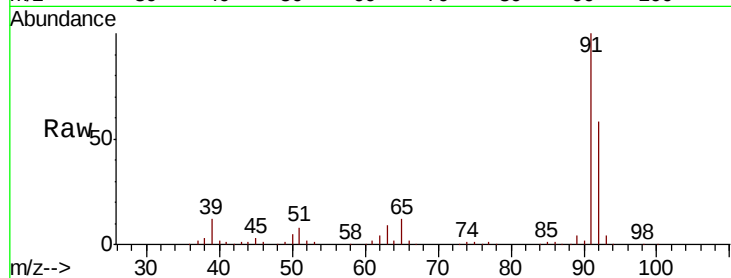
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 169732

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015526.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015543.D (-1953) (-)

7.41

100000

80000

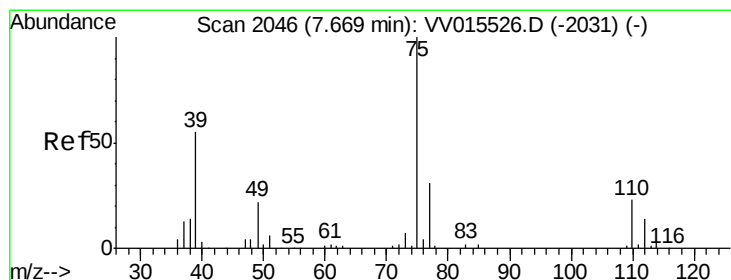
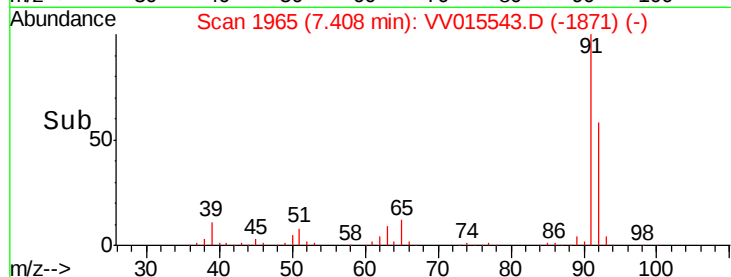
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.419 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015543.D

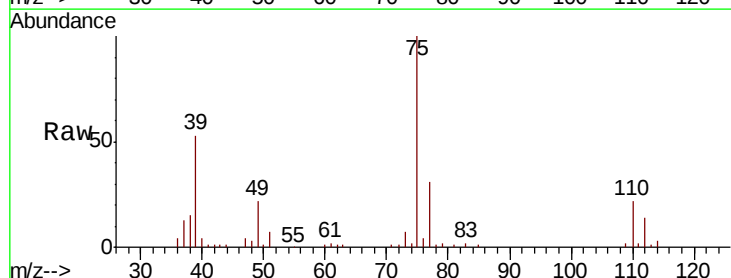
Acq: 16 Apr 2020 17:45

Tgt Ion: 75 Resp: 50690

Ion Ratio Lower Upper

75 100

77 31.1 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015526.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV015543.D (-1953) (-)

7.67

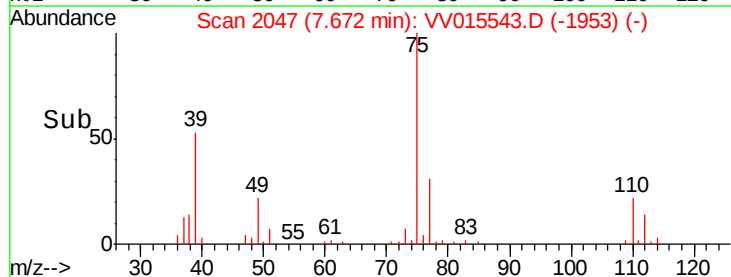
30000

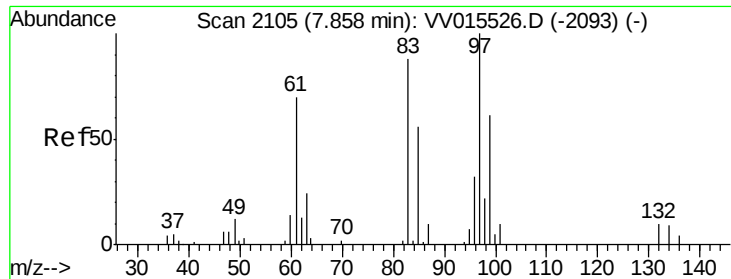
20000

10000

0

Time-->

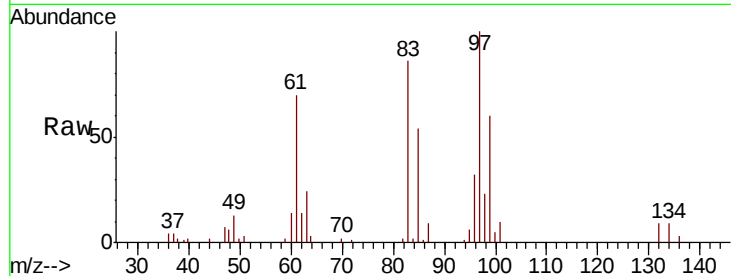




#45
1,1,2-Trichloroethane
Concen: 5.636 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	27307
Ion	Ratio	Lower	Upper
97	100		
99	59.6	41.3	76.7
83	86.0	60.5	112.3
85	53.6	36.8	68.4



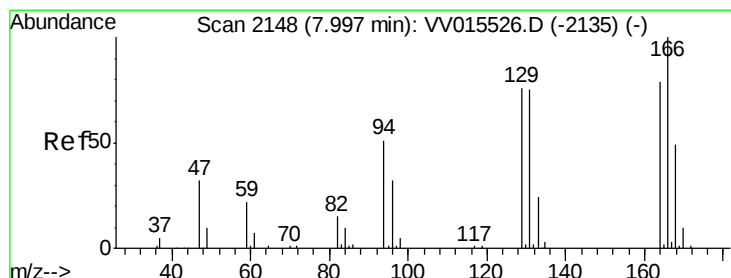
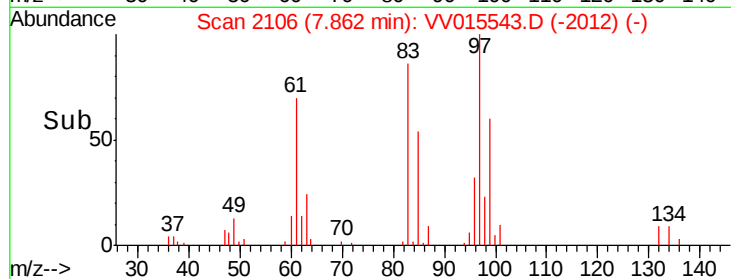
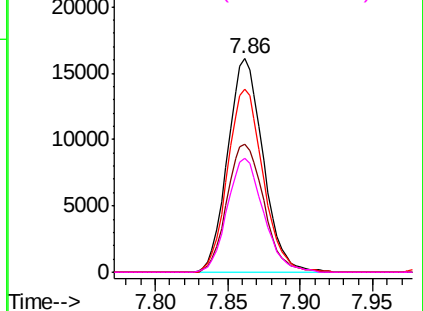
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

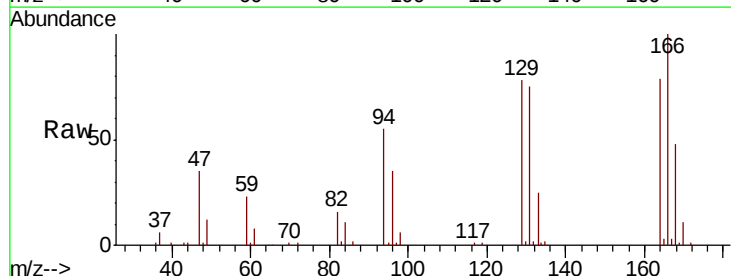
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 5.629 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion:	164	Resp:	32621
Ion	Ratio	Lower	Upper
164	100		
129	98.6	70.6	131.0
131	95.1	68.3	126.8
166	126.8	88.3	163.9



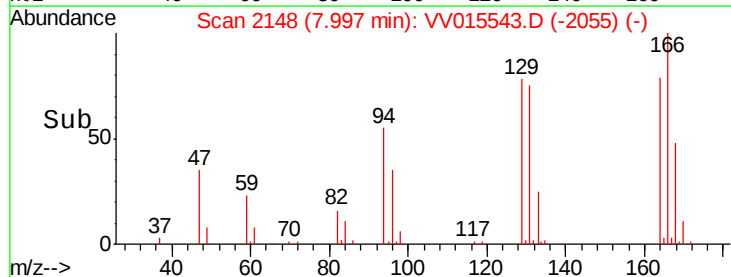
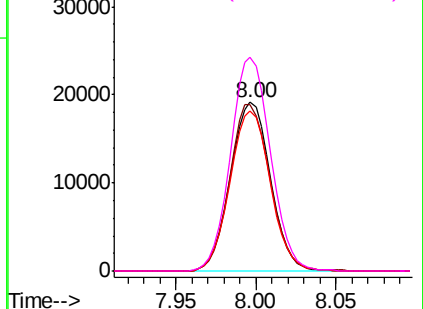
Abundance

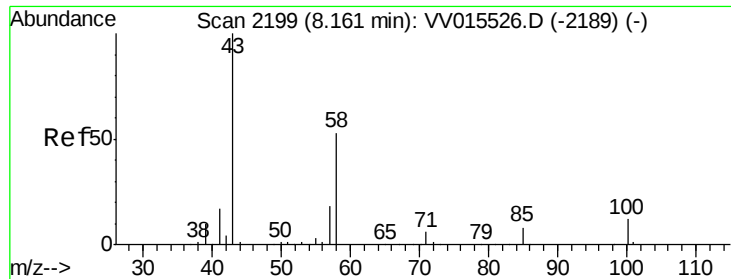
Ion 163.90 (163.60 to 164.60): V

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

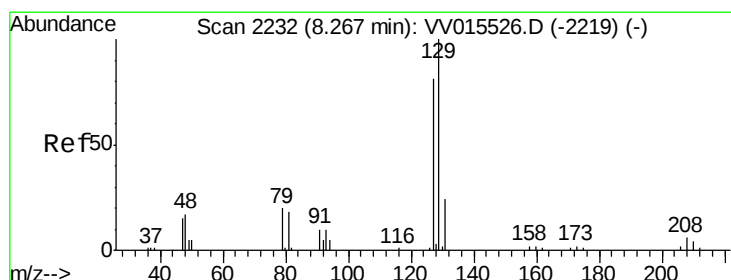
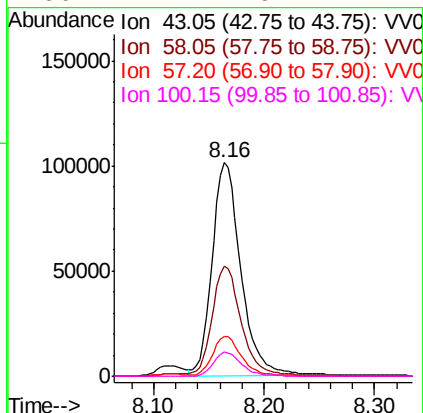
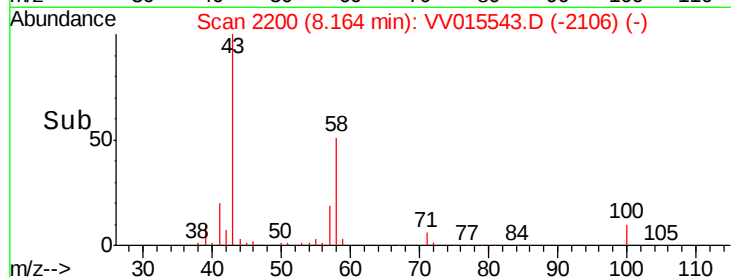
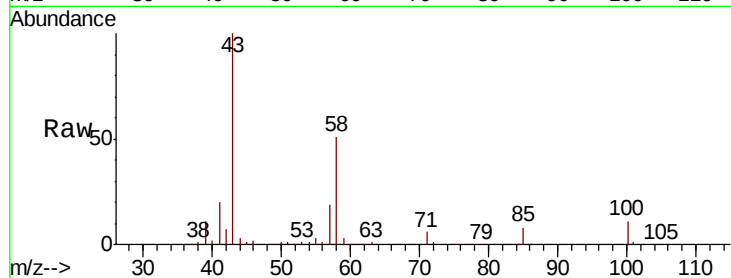




#48
2-Hexanone
Concen: 55.282 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

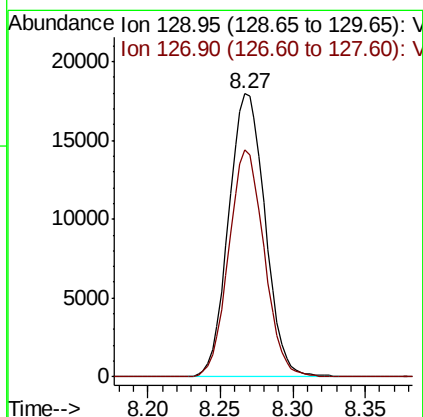
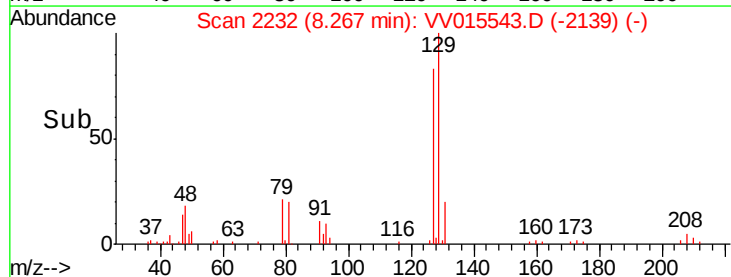
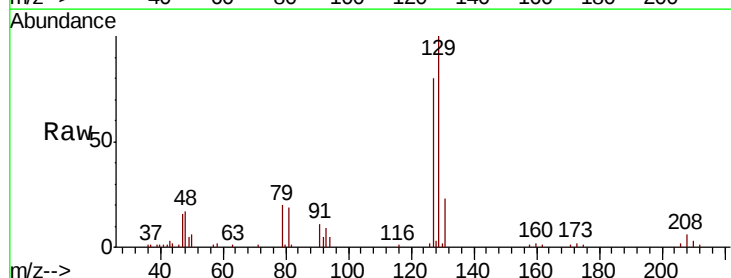
Instrument :
MSVOA_V
ClientSampleId :

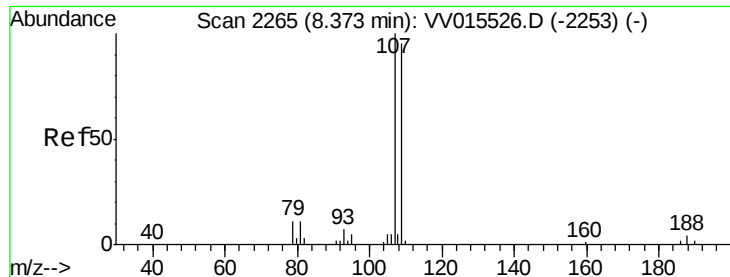
Tot Ion: 43 Resp: 182824
Ion Ratio Lower Upper
43 100
58 52.4 41.4 62.0
57 18.8 15.0 22.4
100 11.2 9.4 14.2



#49
Dibromochloromethane
Concen: 5.422 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion: 129 Resp: 31468
Ion Ratio Lower Upper
129 100
127 80.3 54.7 101.7

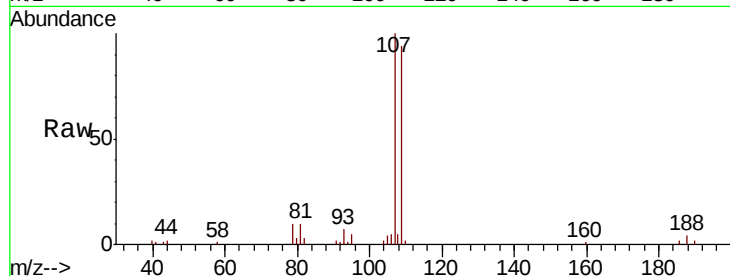




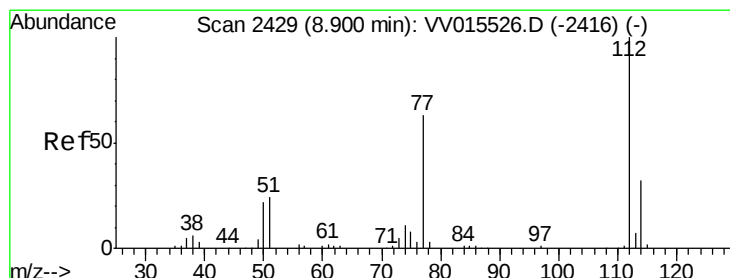
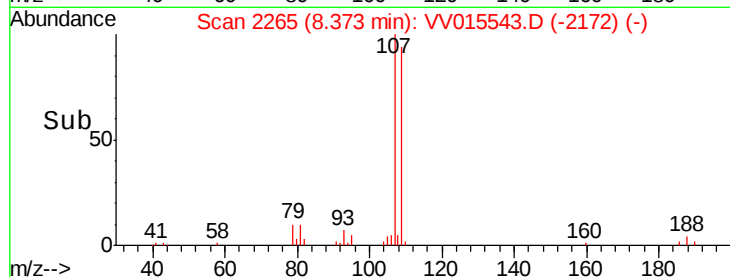
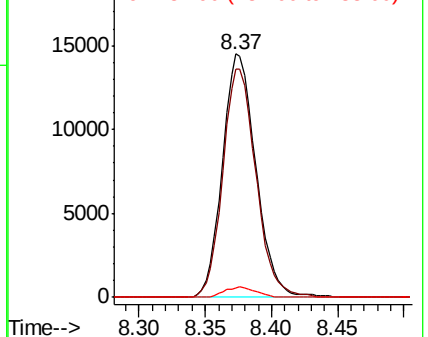
#50
1,2-Dibromoethane
Concen: 5.475 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 25427
Ion Ratio Lower Upper
107 100
109 93.5 66.7 123.9
188 4.0 2.9 4.3

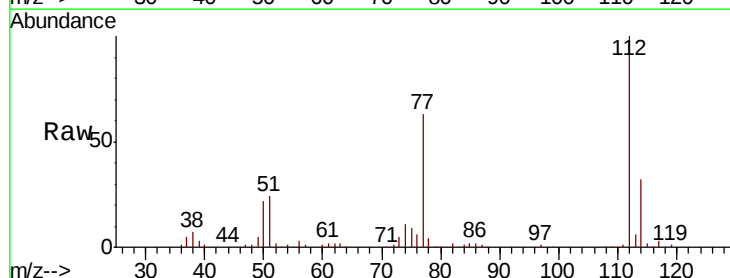


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

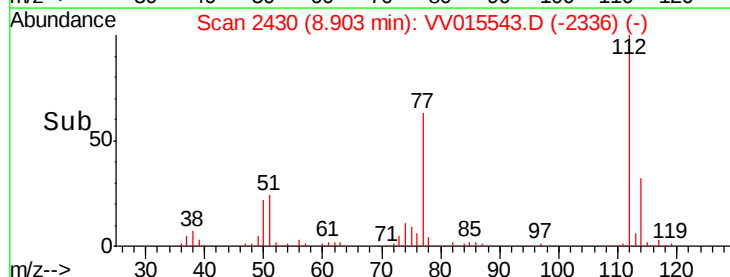
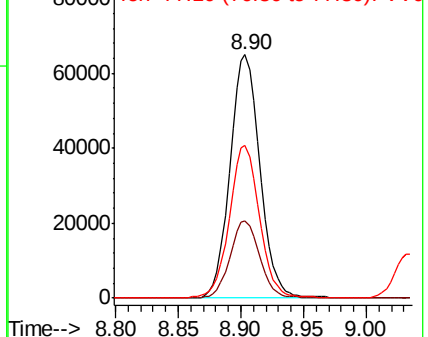


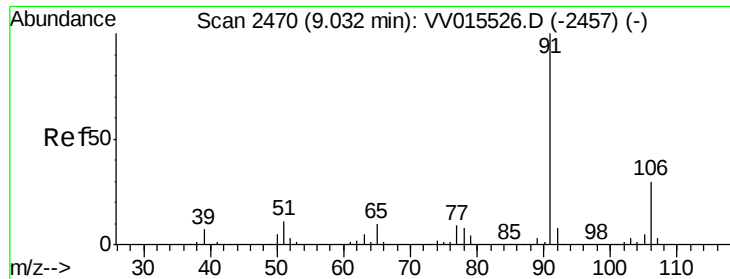
#51
Chlorobenzene
Concen: 5.353 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion:112 Resp: 107669
Ion Ratio Lower Upper
112 100
114 32.0 22.9 42.5
77 62.8 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): VV0





#52

Ethylbenzene

Concen: 5.338 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

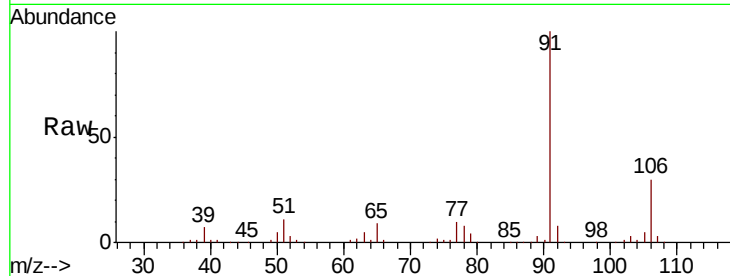
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 193904

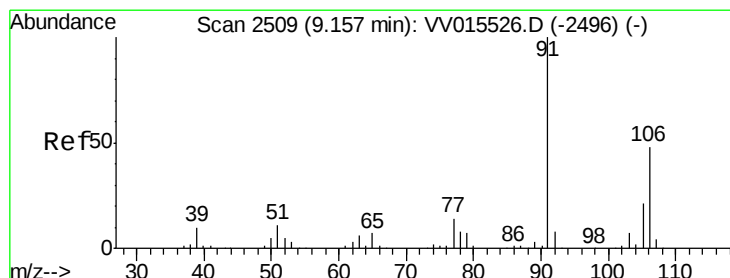
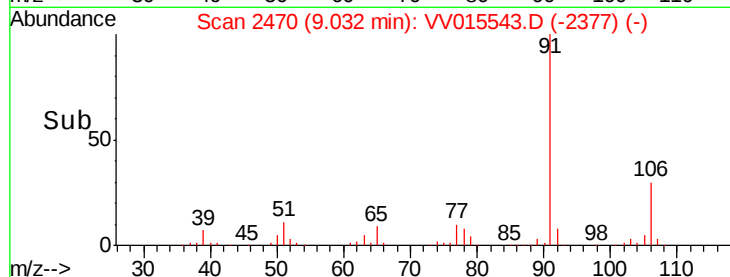
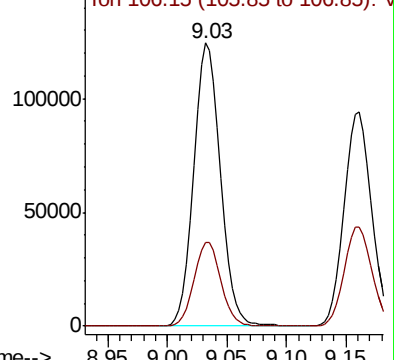
Ion Ratio Lower Upper

91 100

106 29.6 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015543.D (-2377) (-)



#53

m,p-xylene

Concen: 5.195 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015543.D

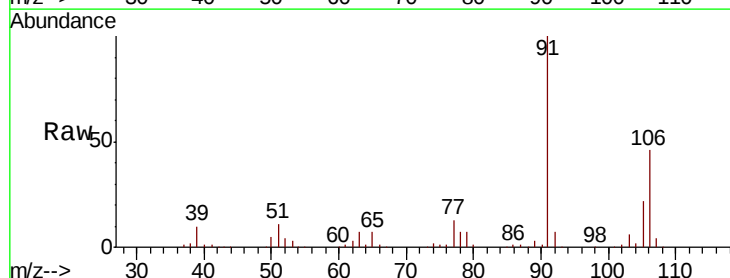
Acq: 16 Apr 2020 17:45

Tgt Ion: 106 Resp: 71258

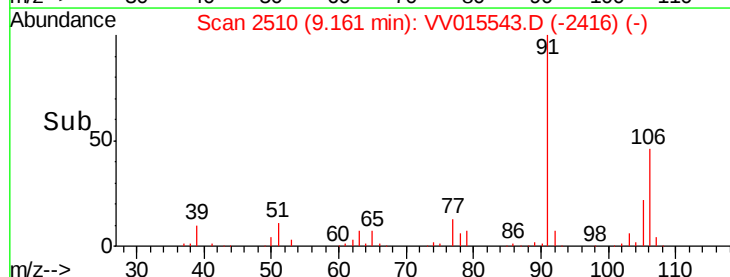
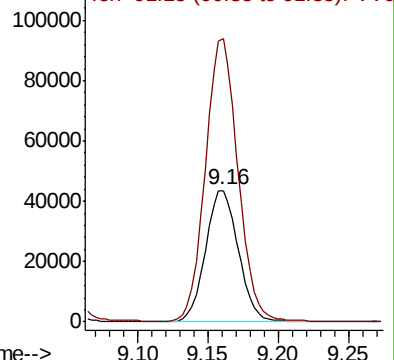
Ion Ratio Lower Upper

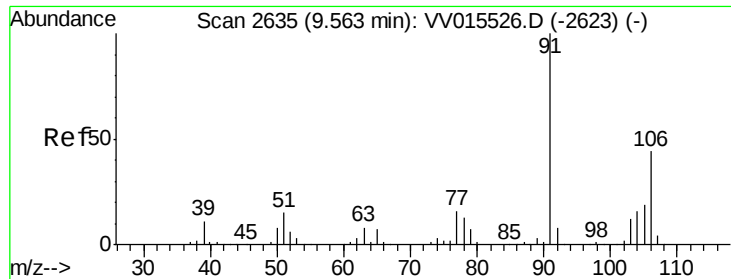
106 100

91 215.5 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015543.D (-2416) (-)

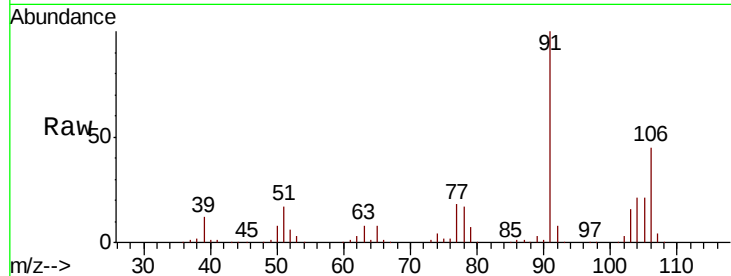




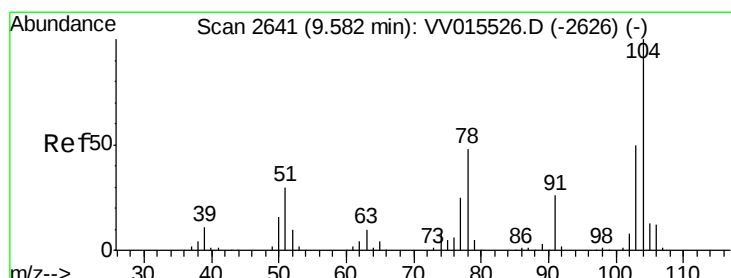
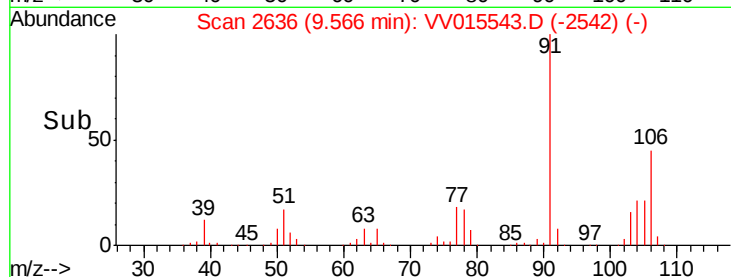
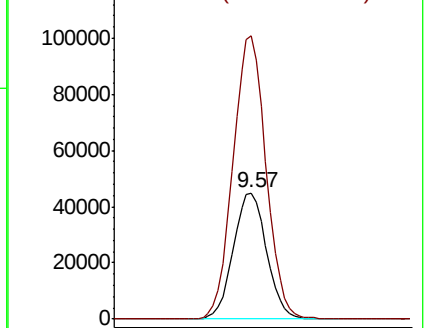
#54
o-xylene
Concen: 5.238 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 69552
Ion Ratio Lower Upper
106 100
91 223.9 154.5 286.9

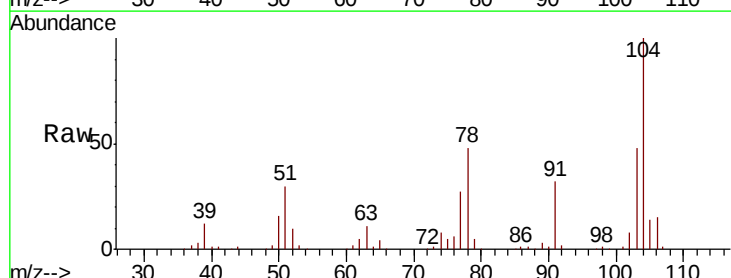


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

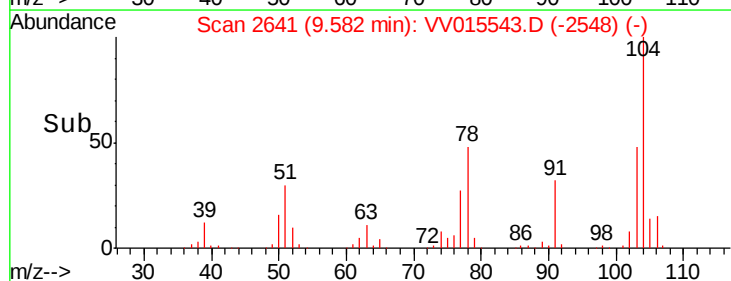
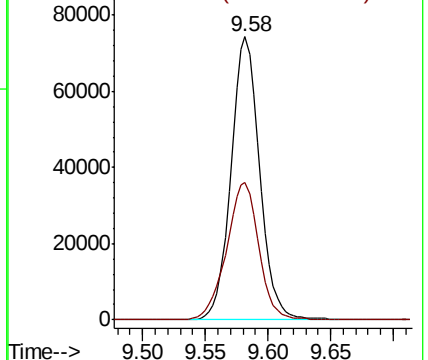


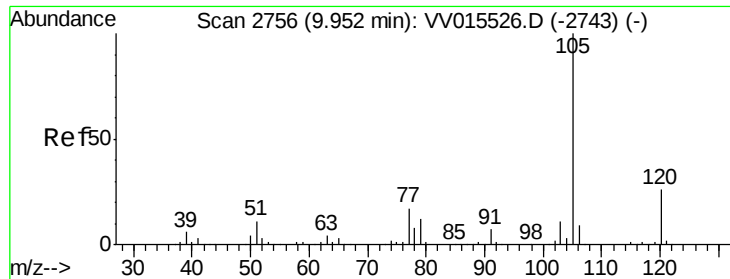
#55
Styrene
Concen: 5.282 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015543.D
Acq: 16 Apr 2020 17:45

Tgt Ion:104 Resp: 117868
Ion Ratio Lower Upper
104 100
78 48.4 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: 5.295 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

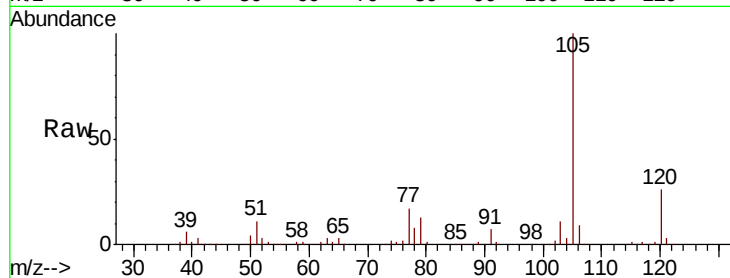
Tot Ion:105 Resp: 192744

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

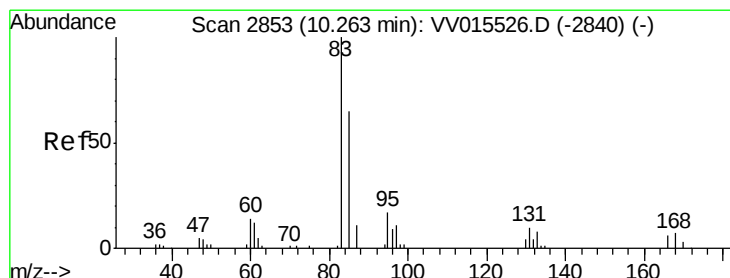
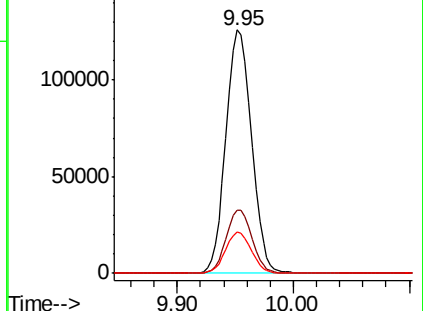
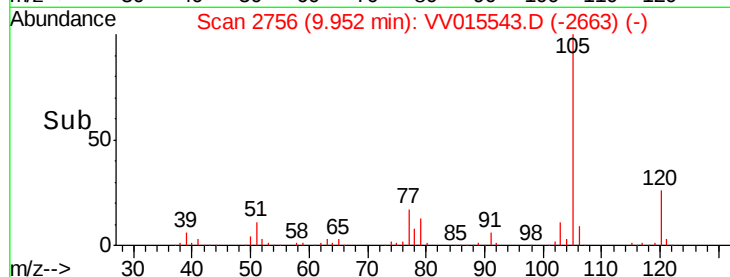
77 16.9 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): VV015543.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV015543.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV015543.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.101 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

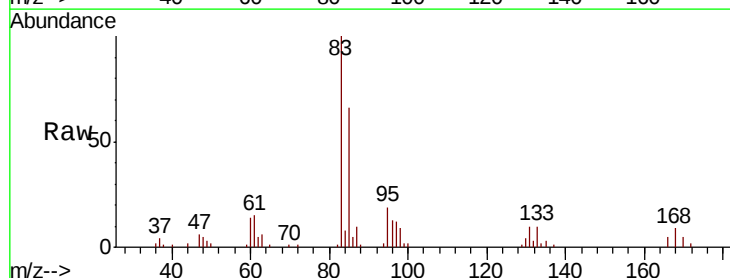
Tgt Ion: 83 Resp: 30083

Ion Ratio Lower Upper

83 100

85 65.8 44.5 82.7

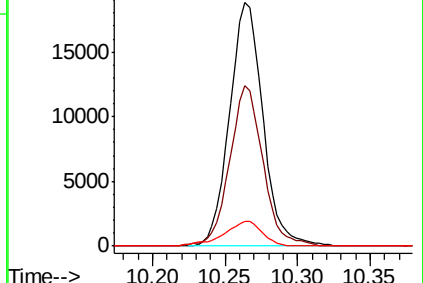
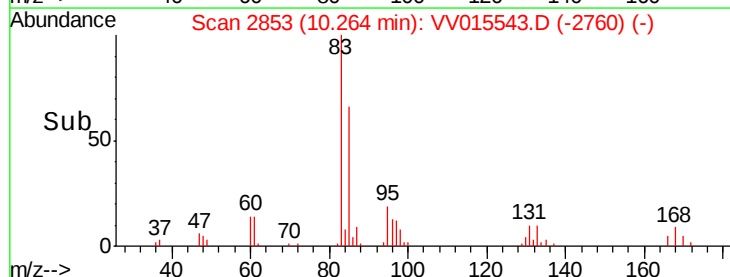
131 10.1 7.5 11.3

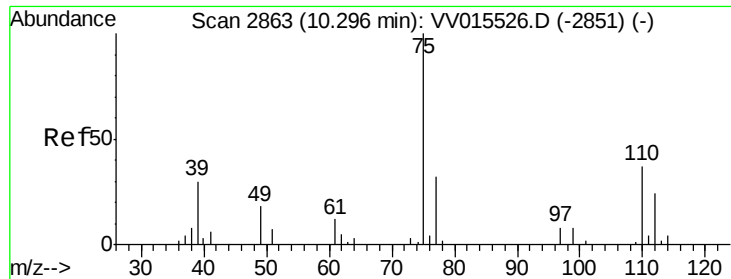


Abundance Ion 82.95 (82.65 to 83.65): VV015543.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015543.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV015543.D (-2760) (-)

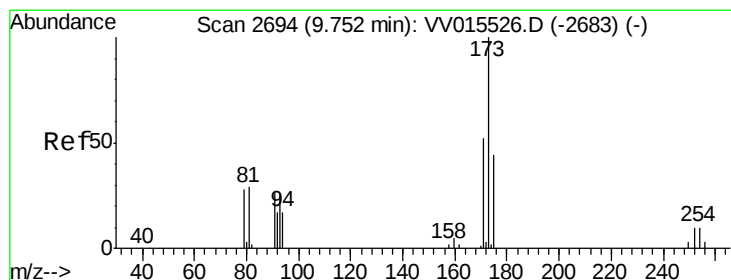
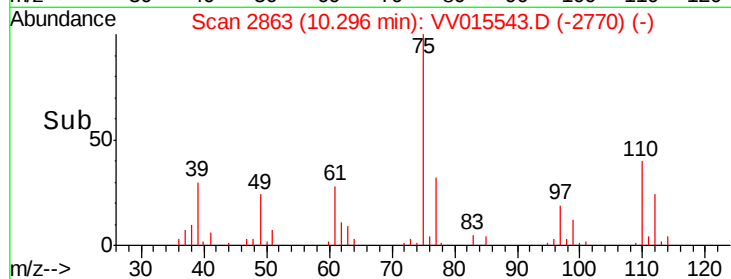
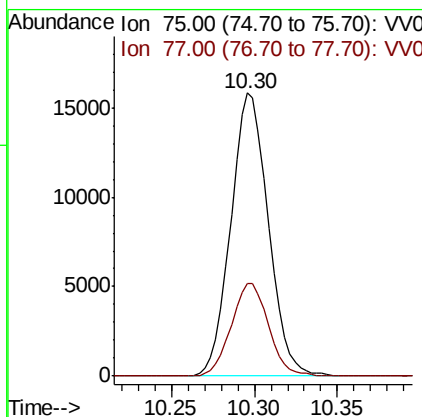
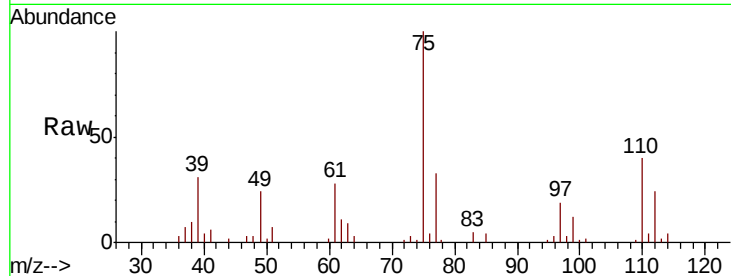




#59
 1,2,3-Trichloropropane
 Concen: 5.576 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

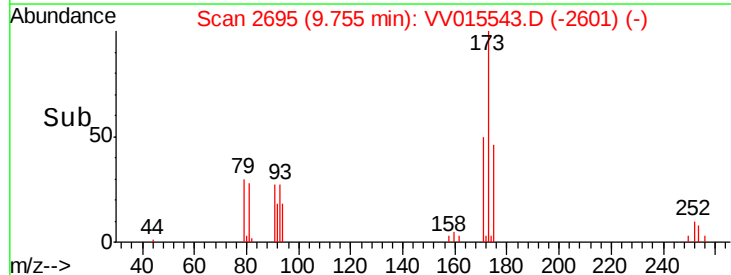
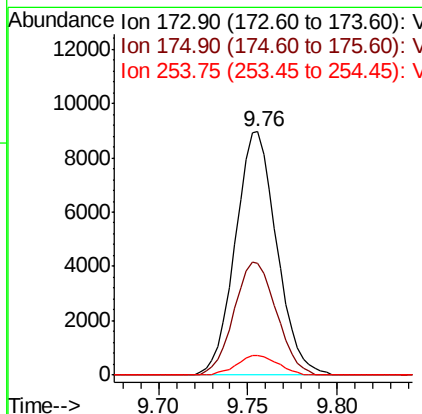
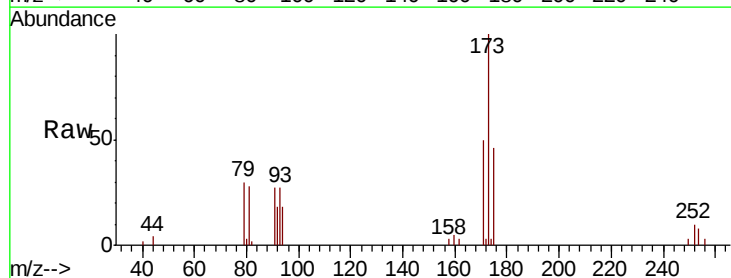
Instrument :
 MSVOA_V
 ClientSampleId :

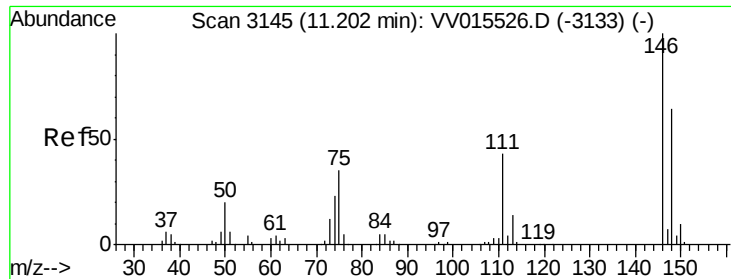
Tot Ion: 75 Resp: 24851
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0



#61
 Bromoform
 Concen: 4.997 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Tgt Ion:173 Resp: 14529
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.2 57.2
 254 8.0 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 5.351 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

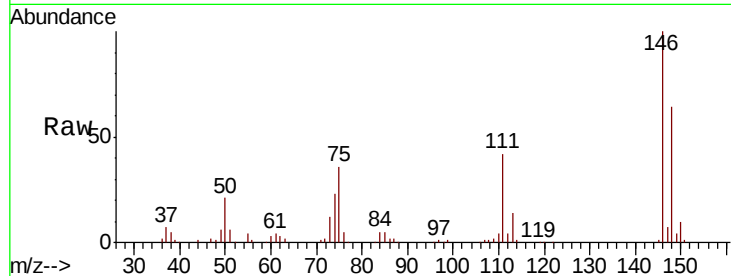
Tot Ion:146 Resp: 85540

Ion Ratio Lower Upper

146 100

111 41.7 29.3 54.5

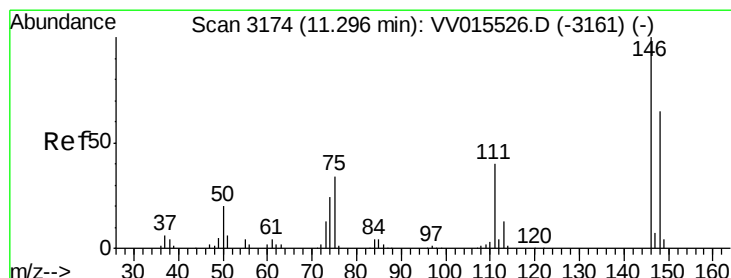
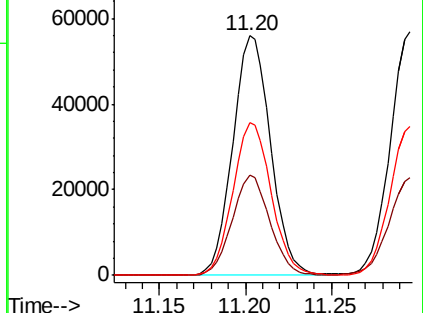
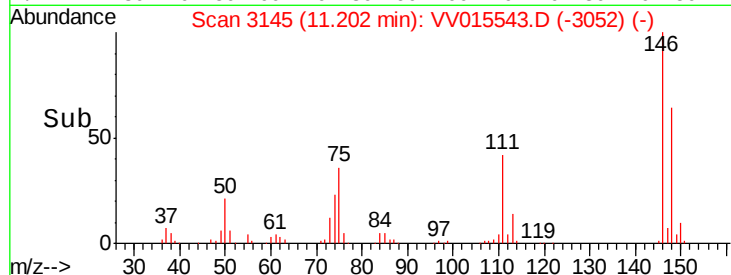
148 63.6 42.4 78.6



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: 5.390 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

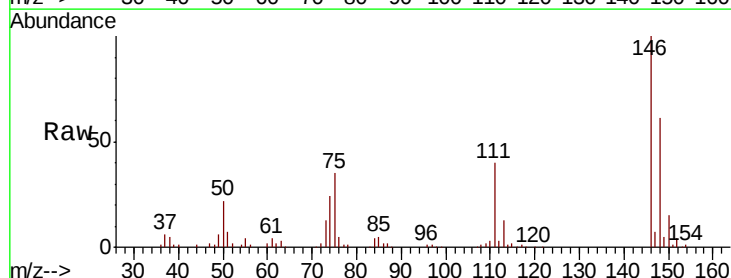
Tgt Ion:146 Resp: 87673

Ion Ratio Lower Upper

146 100

111 40.3 29.4 54.6

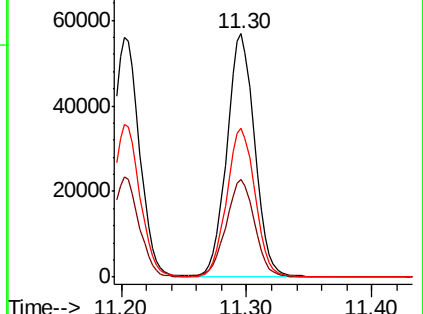
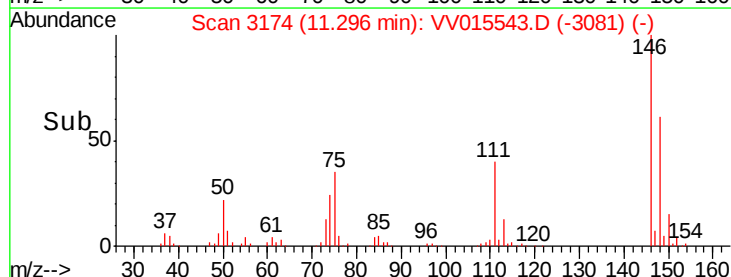
148 61.1 44.3 82.3

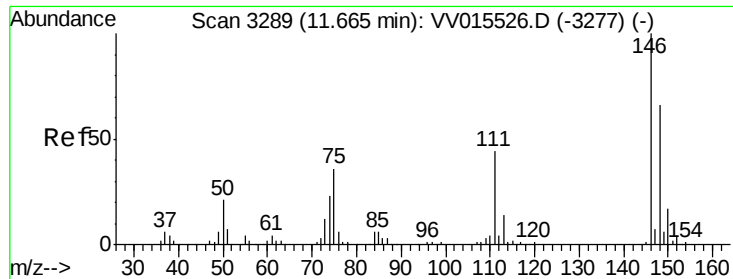


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.332 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

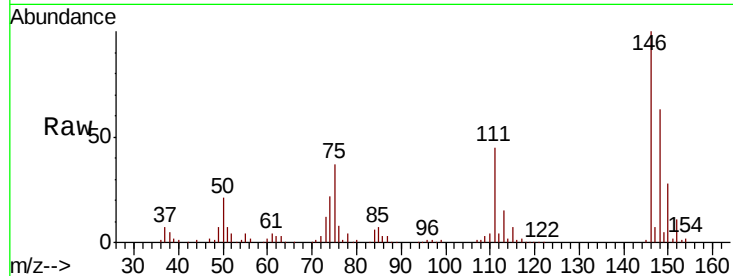
Tot Ion:146 Resp: 77706

Ion Ratio Lower Upper

146 100

111 44.6 35.8 53.6

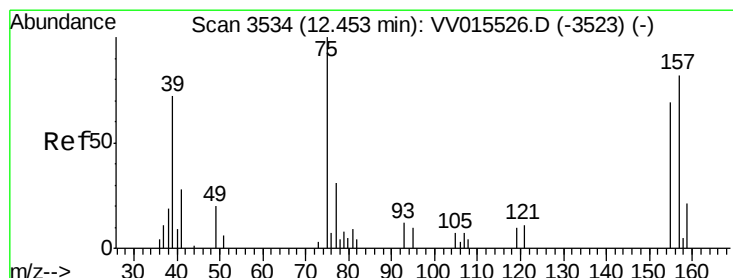
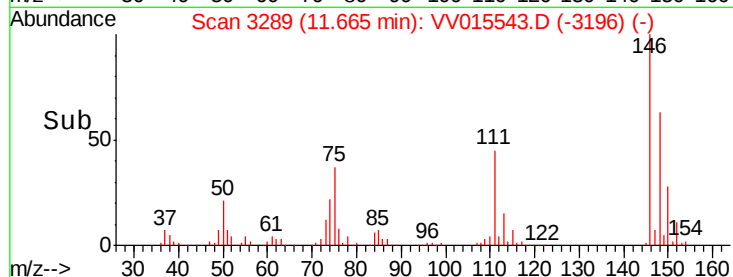
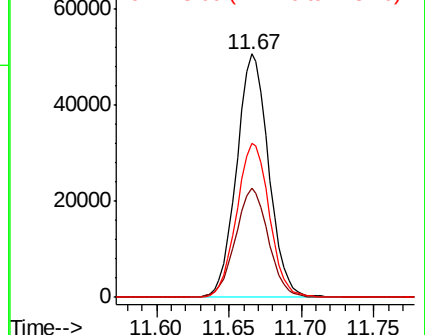
148 63.1 50.2 75.4



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: 5.080 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

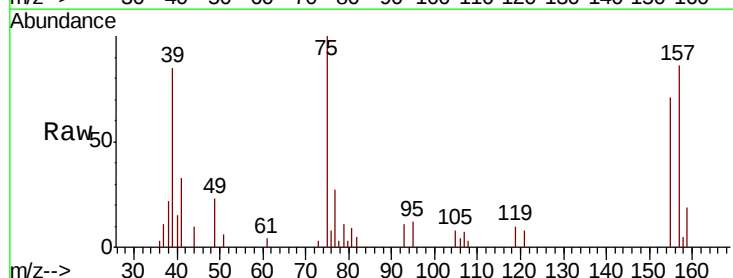
Tgt Ion: 75 Resp: 5665

Ion Ratio Lower Upper

75 100

155 71.5 60.8 91.2

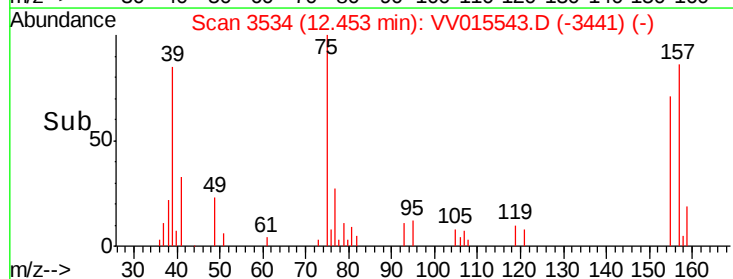
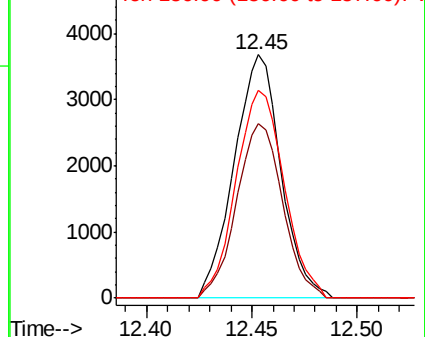
157 85.6 75.7 113.5

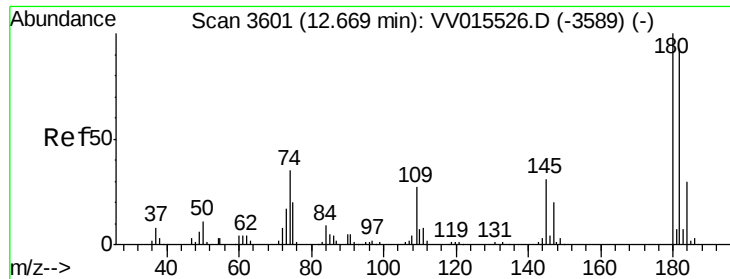


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

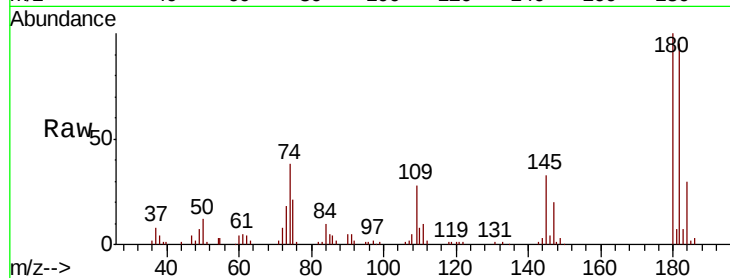




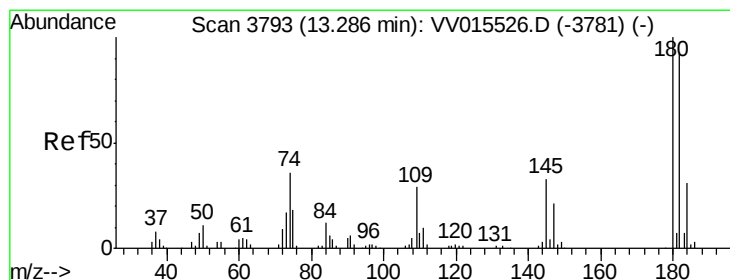
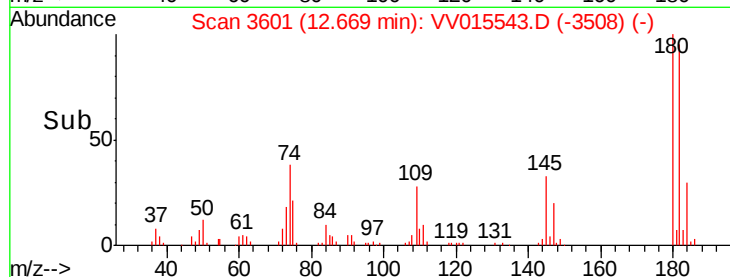
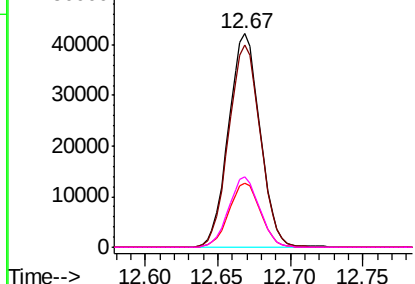
#67
 1,3,5-Trichlorobenzene
 Concen: 5.500 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 63528
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.9 115.3
 184 30.1 24.0 36.0
 145 32.2 26.1 39.1

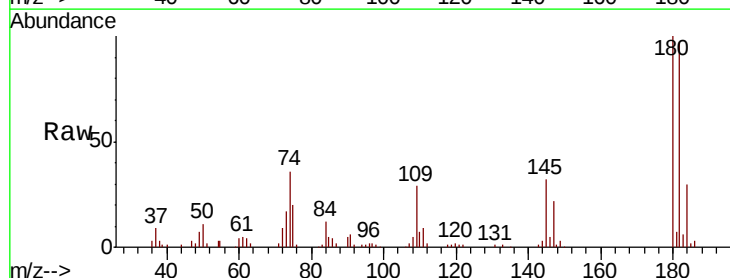


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

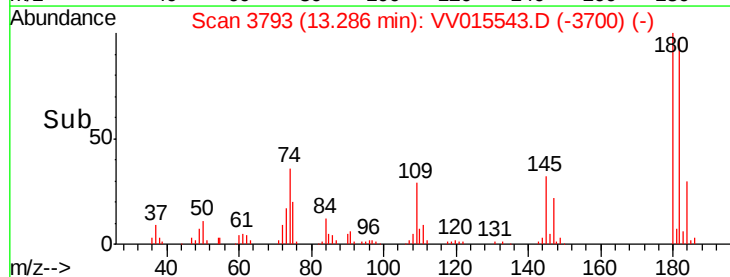
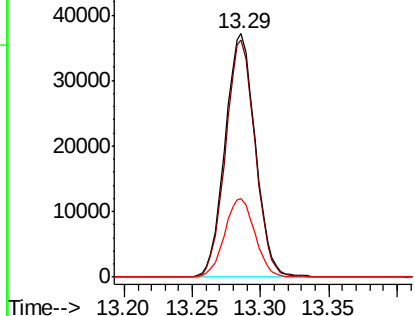


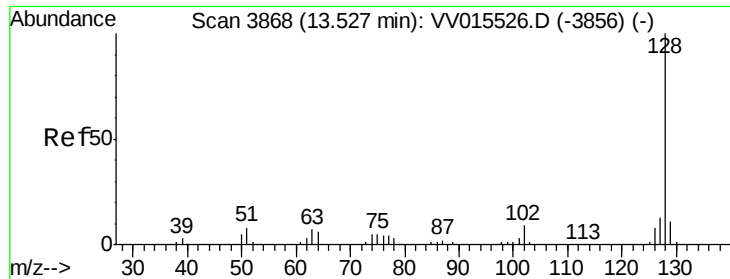
#68
 1,2,4-trichlorobenzene
 Concen: 5.489 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015543.D
 Acq: 16 Apr 2020 17:45

Tgt Ion:180 Resp: 57112
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 115.0
 145 32.2 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: 5.210 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

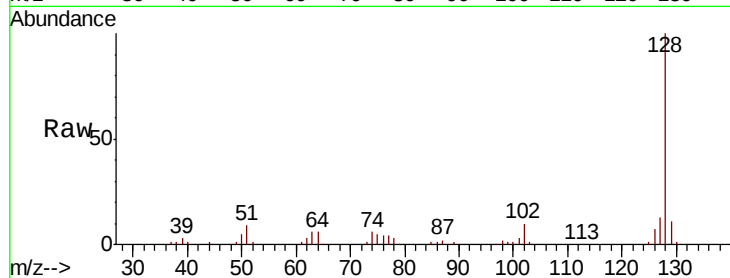
Tot Ion:128 Resp: 102136

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

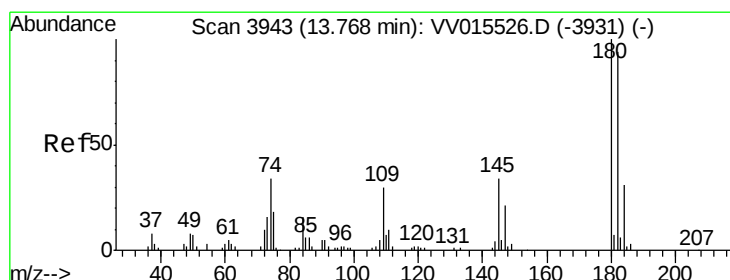
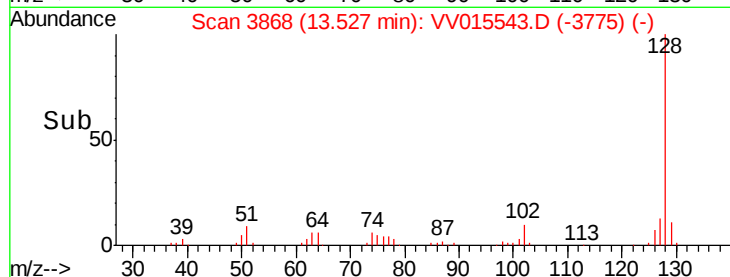
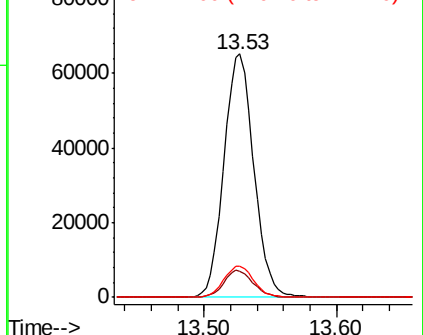
127 12.9 10.4 15.6



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: 5.596 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015543.D

Acq: 16 Apr 2020 17:45

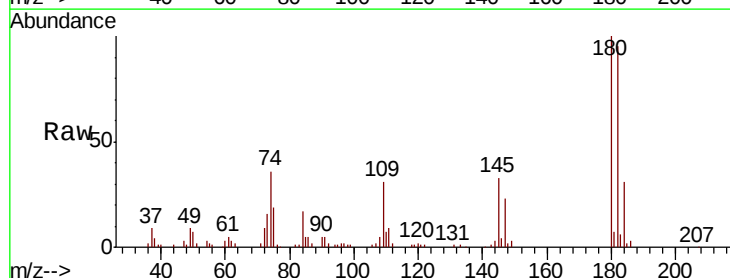
Tgt Ion:180 Resp: 51431

Ion Ratio Lower Upper

180 100

182 94.5 76.4 114.6

145 34.5 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

