

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015447.D
 Acq On : 10 Apr 2020 03:07
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 05:41:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 05:37:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	123508	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	119686	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	59183	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32468	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.57	69	28867	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.12	63	66545	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	3.97	46	119171	66.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.46%#
24) Chloroform-d	4.38	84	71254	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.06	65	40822	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.08	84	136877	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.10	67	43377	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.34	98	129380	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.64	79	18313	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.12	63	104617	60.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.62%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	35752	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	48825	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	57947	4.740	ug/L	99
3) Chloromethane	1.25	50	57604	4.948	ug/L	99
5) Vinyl chloride	1.32	62	55168	4.921	ug/L	99
6) Bromomethane	1.53	94	30946	4.995	ug/L	97
8) Chloroethane	1.59	64	31678	4.873	ug/L	97
9) Trichlorofluoromethane	1.76	101	69294	4.831	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	37468	4.625	ug/L	100
12) 1,1-Dichloroethene	2.13	96	37820	4.878	ug/L	92
13) Acetone	2.47	43	12936	10.176	ug/L	83
14) Carbon disulfide	2.30	76	127300	4.710	ug/L	99
15) Methyl Acetate	2.47	43	18114	4.816	ug/L	93
16) Methylene chloride	2.52	84	43723	4.814	ug/L	95
17) Methyl tert-butyl Ether	2.79	73	108466	5.235	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	42208	4.831	ug/L	97
19) 1,1-Dichloroethane	3.21	63	80910	4.913	ug/L	99
21) 2-Butanone	4.05	43	119912	58.370	ug/L #	76
22) cis-1,2-Dichloroethene	3.94	96	44663	4.924	ug/L	99

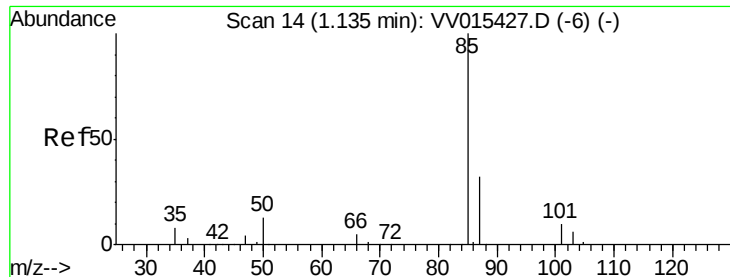
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
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 QLast Update : Fri Apr 10 05:37:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	19285	5.110	uq/L	95
25) Chloroform	4.40	83	86017	5.104	uq/L	97
27) 1,2-Dichloroethane	5.16	62	54779	5.027	uq/L	100
29) 1,1,1-Trichloroethane	4.63	97	74984	4.829	uq/L	99
30) Cyclohexane	4.70	56	77853	4.722	uq/L	99
31) Carbon tetrachloride	4.85	117	63522	4.700	uq/L	99
33) Benzene	5.13	78	174689	4.877	uq/L	100
34) Trichloroethene	5.94	95	46414	4.814	uq/L	98
35) Methylcyclohexane	6.15	83	73898	4.549	uq/L	99
37) 1,2-Dichloropropane	6.20	63	45018	5.067	uq/L	99
38) Bromodichloromethane	6.53	83	56814	4.795	uq/L	95
39) cis-1,3-Dichloropropene	7.05	75	61215	4.490	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	320126	54.873	uq/L	98
42) Toluene	7.41	91	187326	4.817	uq/L	99
44) trans-1,3-Dichloropropene	7.68	75	54659	4.741	uq/L	97
45) 1,1,2-Trichloroethane	7.86	97	30733	5.146	uq/L	98
47) Tetrachloroethene	8.00	164	33551	4.697	uq/L	98
48) 2-Hexanone	8.17	43	234367	57.496	uq/L	100
49) Dibromochloromethane	8.27	129	34933	4.883	uq/L	98
50) 1,2-Dibromoethane	8.38	107	29627	5.176	uq/L #	98
51) Chlorobenzene	8.90	112	119710	4.829	uq/L	99
52) Ethylbenzene	9.04	91	217230	4.852	uq/L	100
53) m,p-xylene	9.16	106	81236	4.805	uq/L	99
54) o-xylene	9.57	106	78838	4.817	uq/L	97
55) Styrene	9.58	104	135556	4.928	uq/L	100
56) Isopropylbenzene	9.95	105	214091	4.771	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	39027	5.369	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	29531	5.376	uq/L	98
61) Bromoform	9.76	173	17158	4.943	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	93658	4.908	uq/L	97
63) 1,4-Dichlorobenzene	11.30	146	94537	4.869	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	87545	5.032	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	7014	5.269	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	65482	4.749	uq/L	99
68) 1,2,4-trichlorobenzene	13.29	180	59613	4.800	uq/L	99
69) Naphthalene	13.53	128	122665	5.242	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	54585	4.975	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.740 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

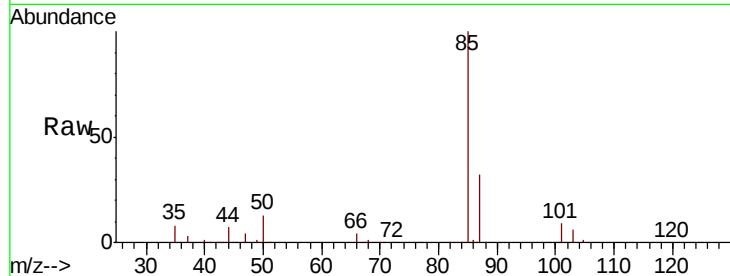
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 57947

Ion Ratio Lower Upper

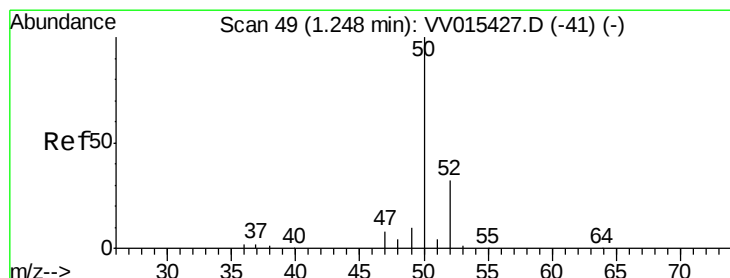
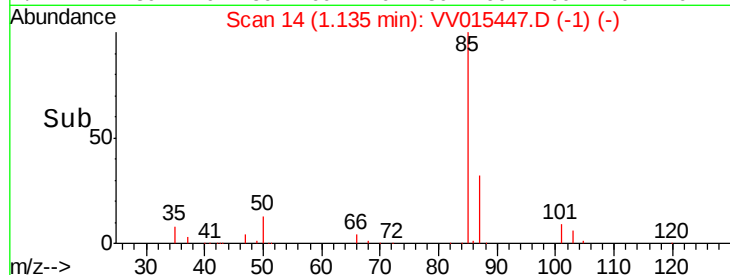
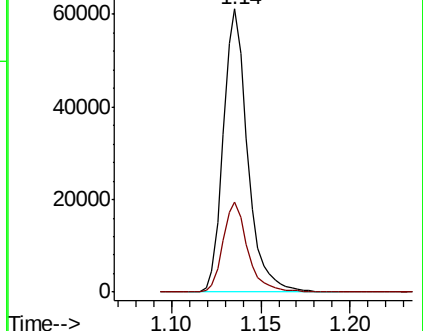
85 100

87 32.2 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV015447.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015447.D (-6) (-)



#3

Chloromethane

Concen: 4.948 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015447.D

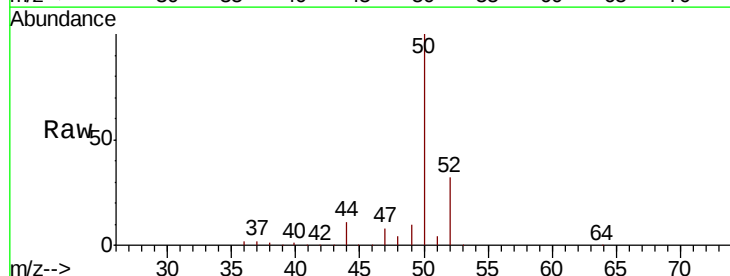
Acq: 10 Apr 2020 03:07

Tgt Ion: 50 Resp: 57604

Ion Ratio Lower Upper

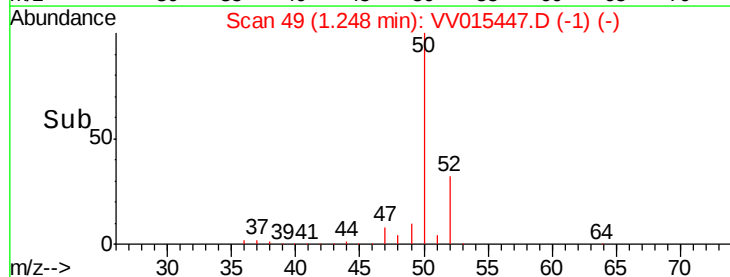
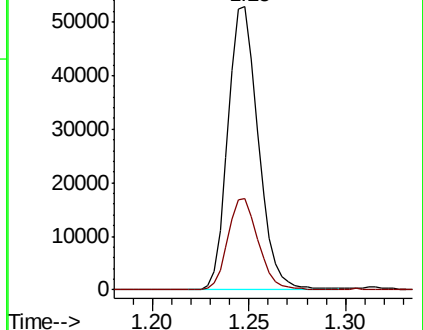
50 100

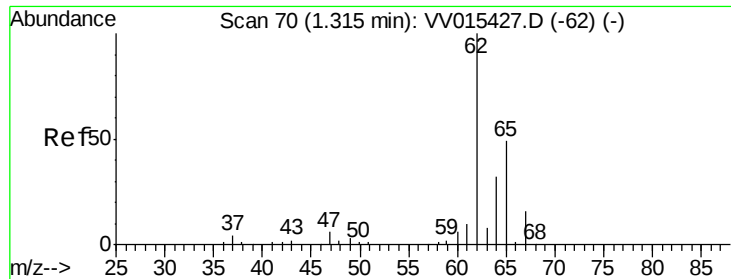
52 32.1 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV015447.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV015447.D (-41) (-)





#5

Vinyl chloride

Concen: 4.921 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

Instrument :

MSVOA_V

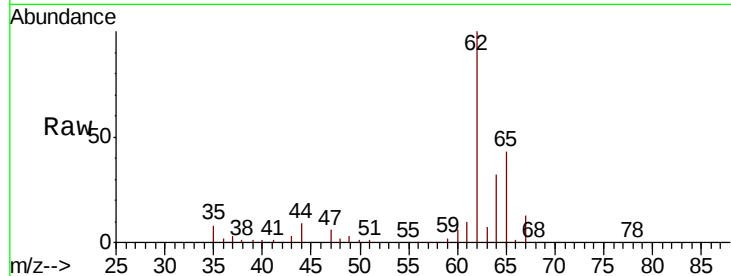
ClientSampled :

Tot Ion: 62 Resp: 55168

Ion Ratio Lower Upper

62 100

64 31.8 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

60000

50000

40000

30000

20000

10000

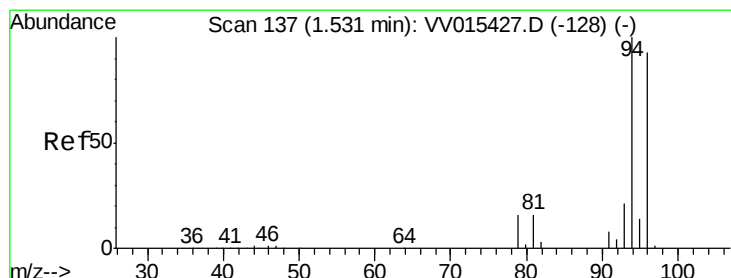
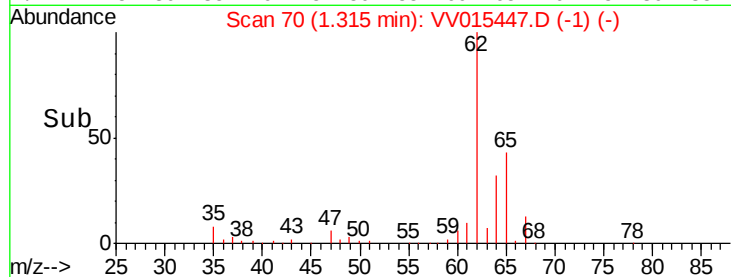
0

Time-->

1.25

1.30

1.35



#6

Bromomethane

Concen: 4.995 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015447.D

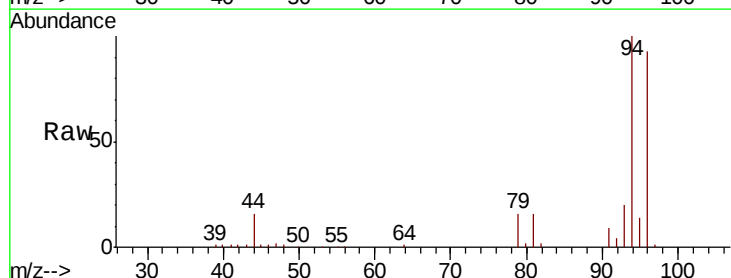
Acq: 10 Apr 2020 03:07

Tgt Ion: 94 Resp: 30946

Ion Ratio Lower Upper

94 100

96 93.3 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

30000

25000

20000

15000

10000

5000

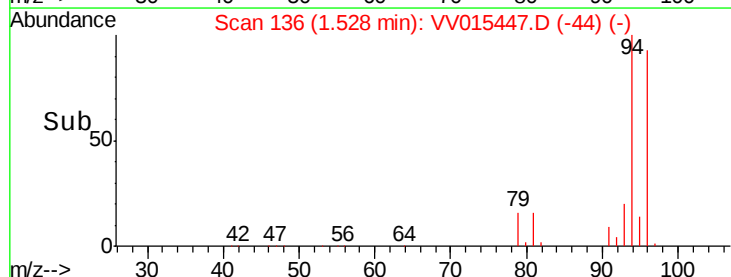
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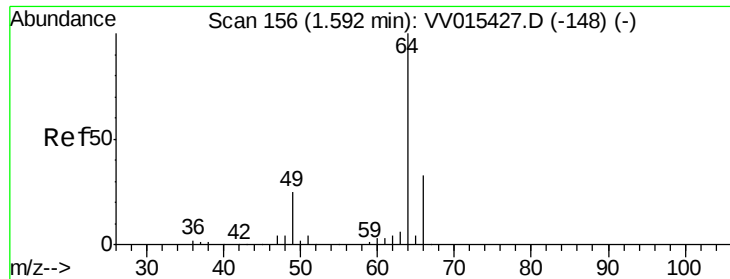
Time-->

1.50

1.55

1.60





#8

Chloroethane

Concen: 4.873 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

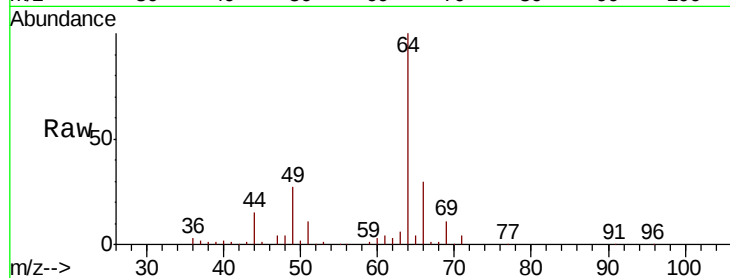
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 31678

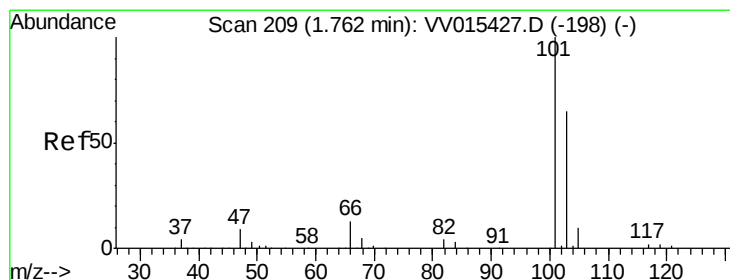
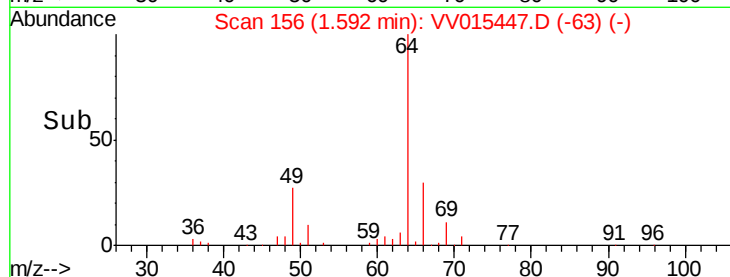
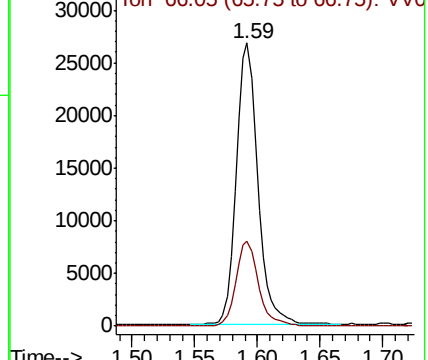
Ion Ratio Lower Upper

64 100

66 30.2 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015447.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 4.831 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015447.D

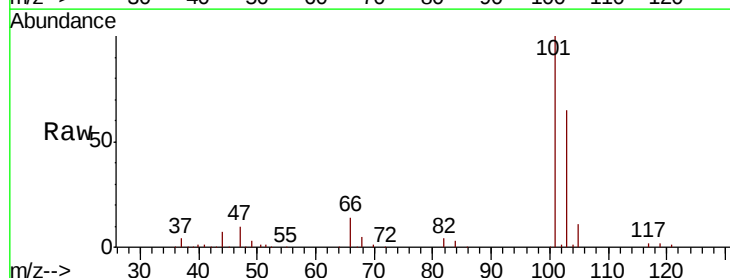
Acq: 10 Apr 2020 03:07

Tgt Ion: 101 Resp: 69294

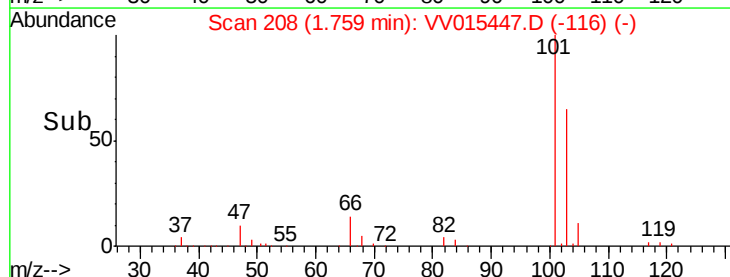
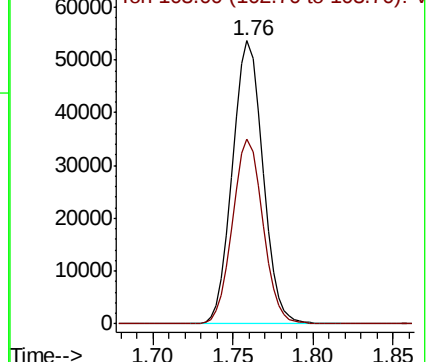
Ion Ratio Lower Upper

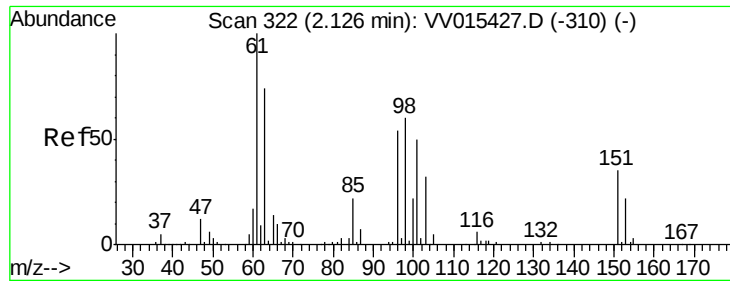
101 100

103 65.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015447.D (-116) (-)





#10

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

Concen: 4.625 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

Instrument :

MSVOA_V

ClientSampled :

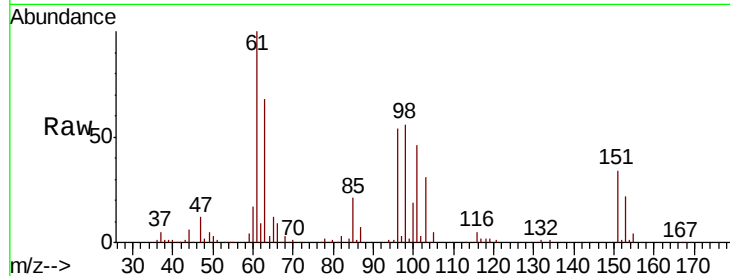
Tot Ion:101 Resp: 37468

Ion Ratio Lower Upper

101 100

85 45.3 36.3 54.5

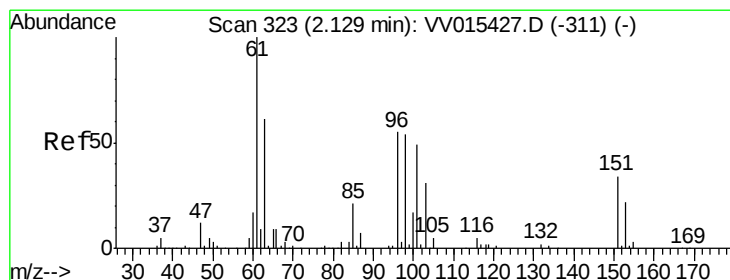
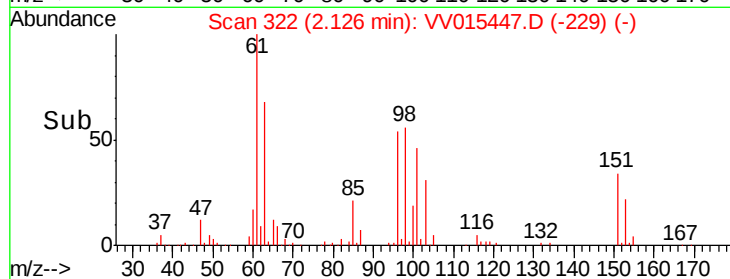
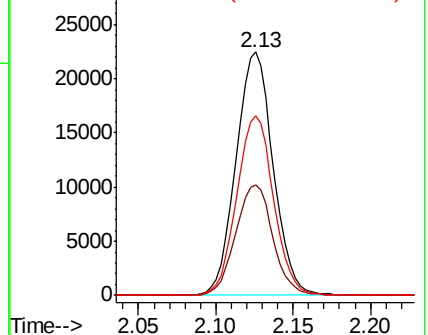
151 73.1 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.878 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

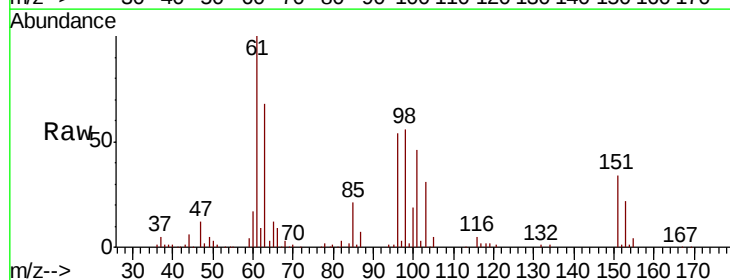
Tgt Ion: 96 Resp: 37820

Ion Ratio Lower Upper

96 100

61 185.8 127.7 237.1

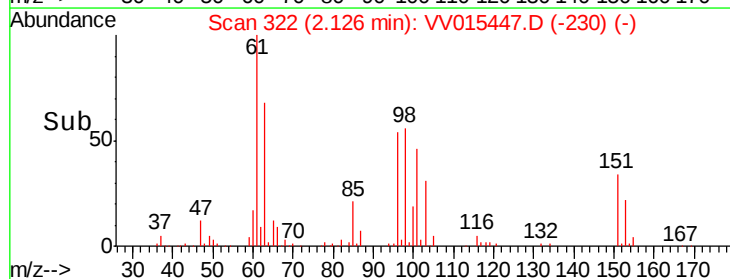
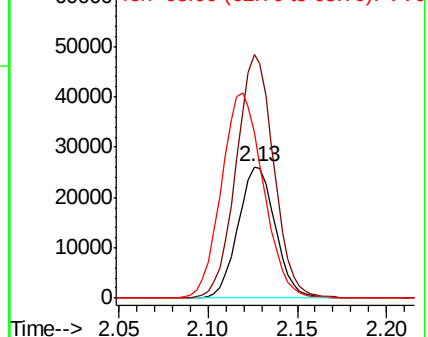
63 126.5 75.1 139.5

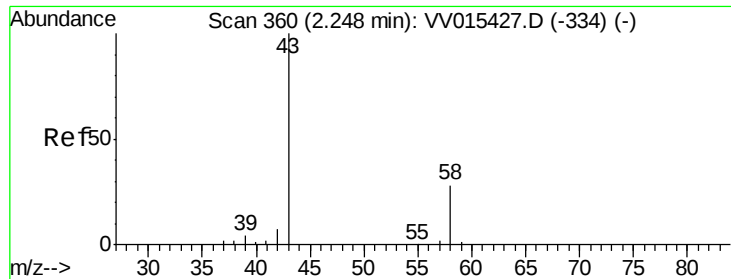


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 10.176 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.22 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

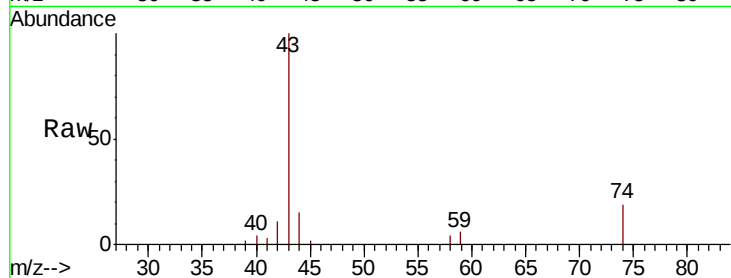
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 12936

Ion Ratio Lower Upper

43 100

58 4.6 0.0 22.2



Abundance Ion 43.05 (42.75 to 43.75): VV015447.D (-267) (-)

Ion 58.05 (57.75 to 58.75): VV015447.D (-267) (-)

2.47

6000

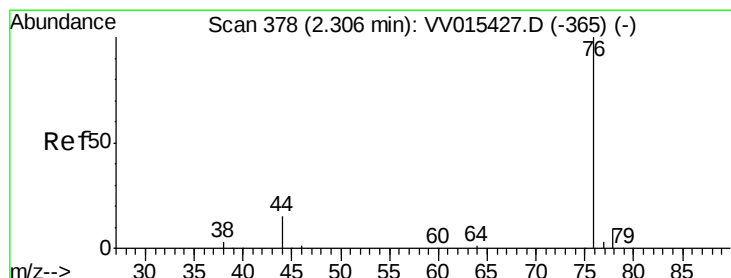
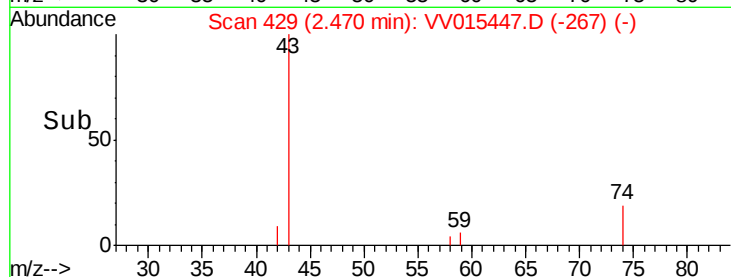
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#14

Carbon disulfide

Concen: 4.710 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015447.D

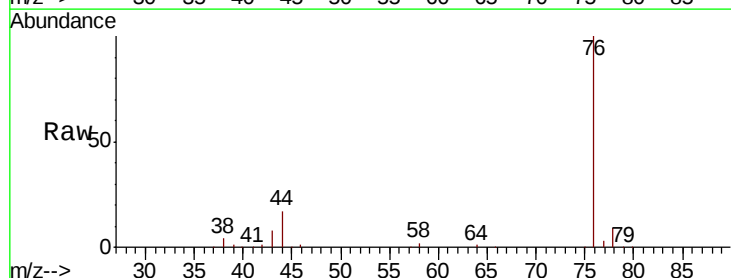
Acq: 10 Apr 2020 03:07

Tgt Ion: 76 Resp: 127300

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015447.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV015447.D (-285) (-)

2.30

100000

80000

60000

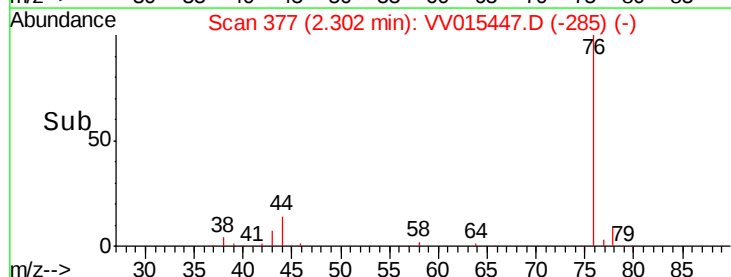
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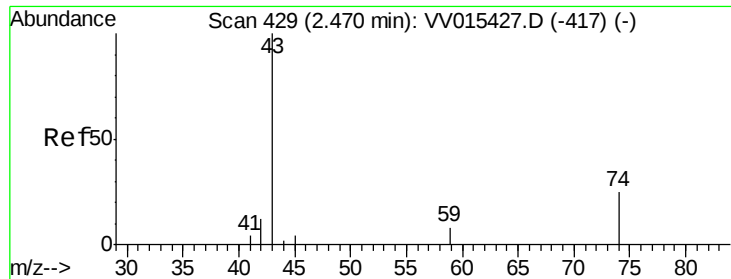
20000

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Time-->

2.20 2.25 2.30 2.35 2.40

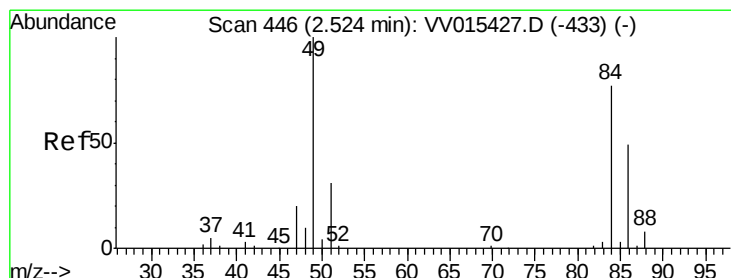
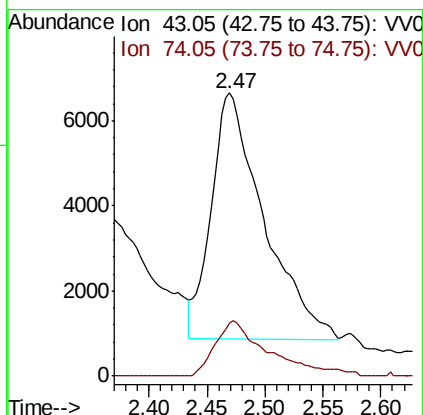
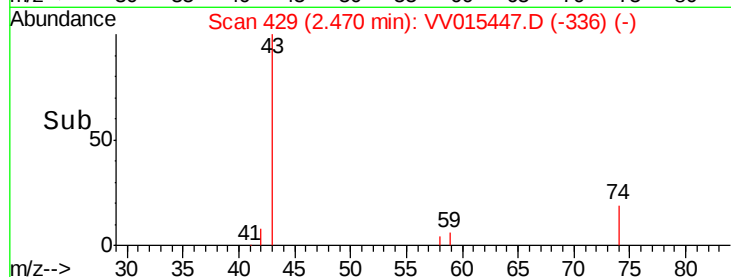
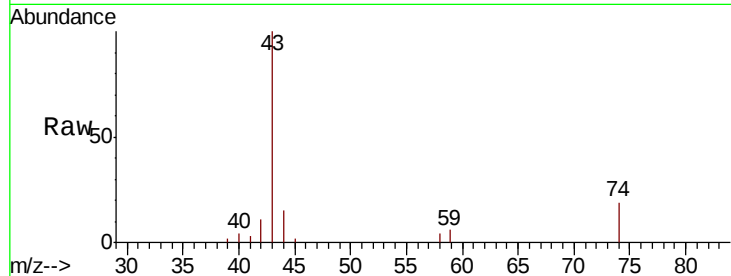




#15
Methvl Acetate
Concen: 4.816 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

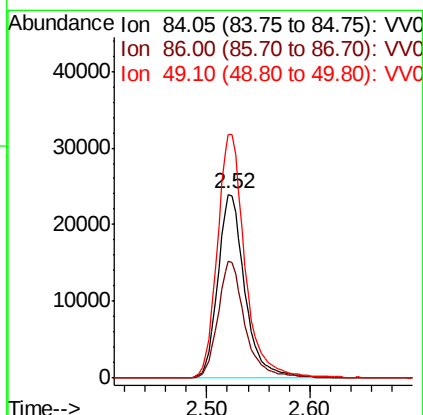
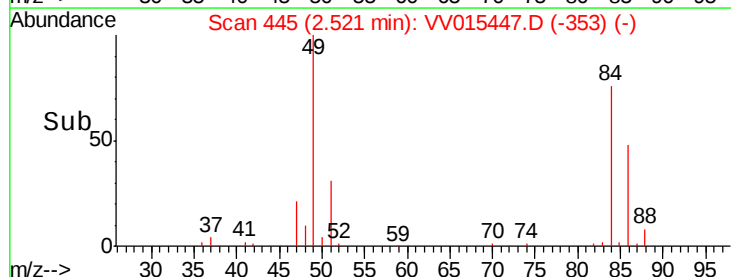
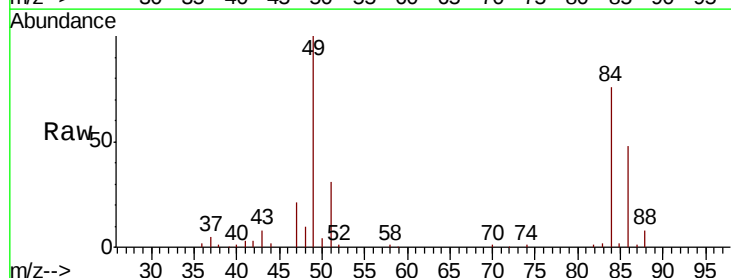
Instrument :
MSVOA_V
ClientSampleId :

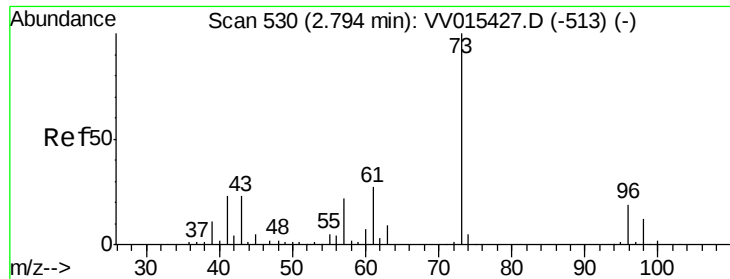
Tot Ion: 43 Resp: 18114
Ion Ratio Lower Upper
43 100
74 22.4 15.4 23.2



#16
Methylene chloride
Concen: 4.814 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Tgt Ion: 84 Resp: 43723
Ion Ratio Lower Upper
84 100
86 63.3 45.1 83.7
49 132.4 97.9 181.7

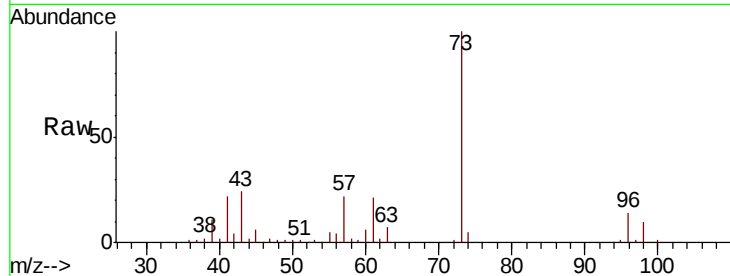




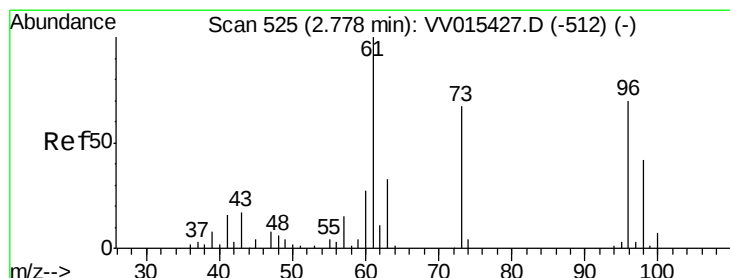
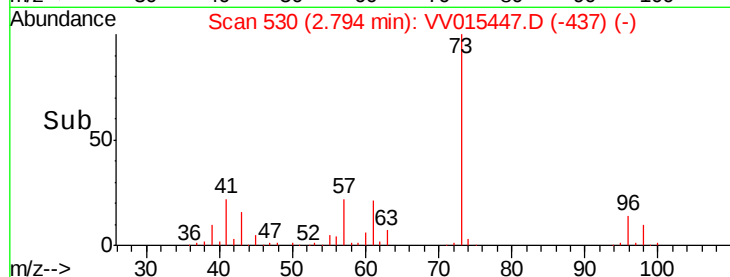
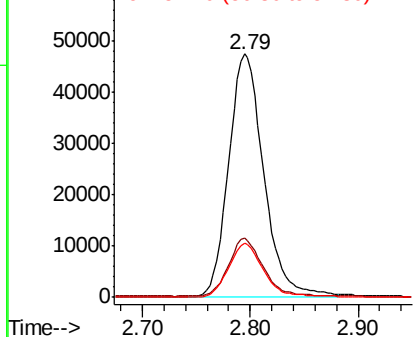
#17
Methvl tert-butvl Ether
Concen: 5.235 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 108466
Ion Ratio Lower Upper
73 100
43 23.2 18.3 27.5
57 22.2 18.4 27.6

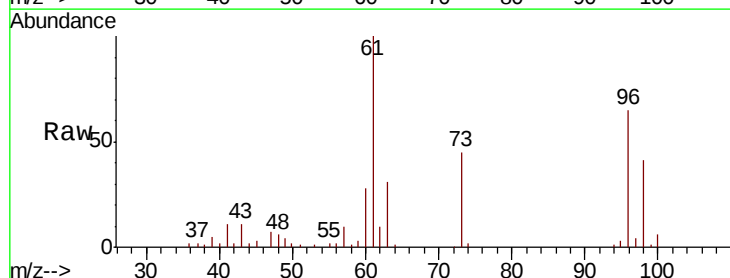


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

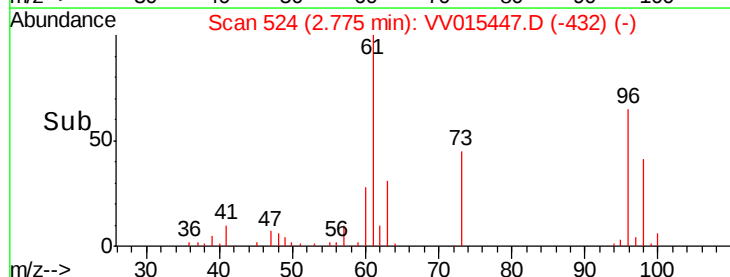
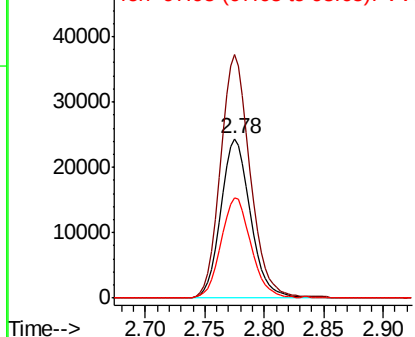


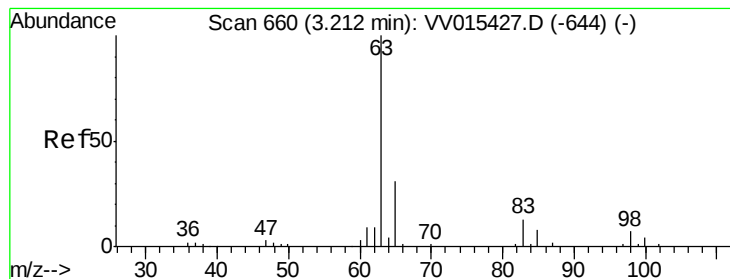
#18
trans-1,2-Dichloroethene
Concen: 4.831 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Tgt Ion: 96 Resp: 42208
Ion Ratio Lower Upper
96 100
61 152.9 104.4 194.0
98 63.3 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: 4.913 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

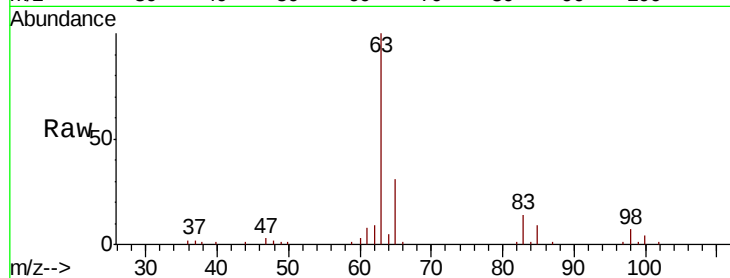
Tot Ion: 63 Resp: 80910

Ion Ratio Lower Upper

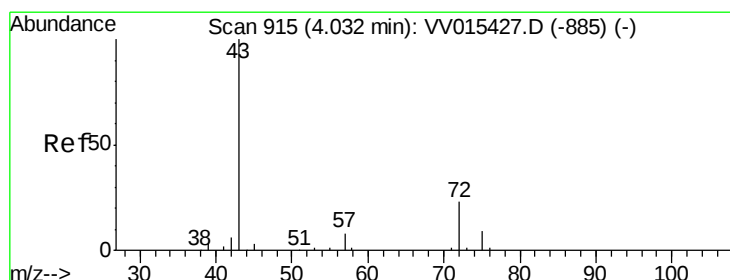
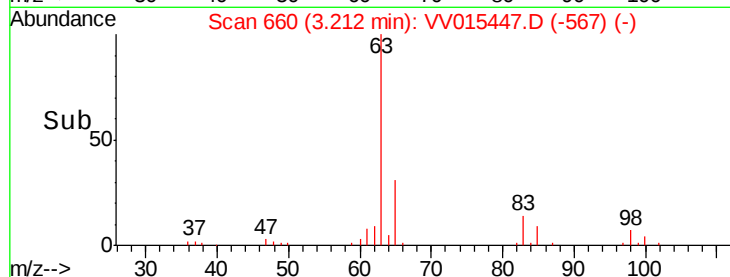
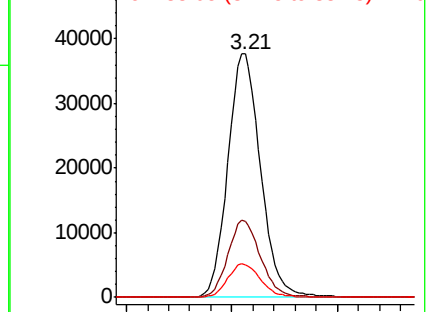
63 100

65 31.3 21.3 39.6

83 13.6 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: 58.370 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.01 min

Lab File: VV015447.D

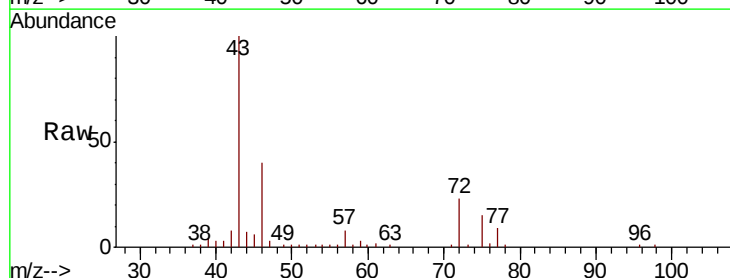
Acq: 10 Apr 2020 03:07

Tgt Ion: 43 Resp: 119912

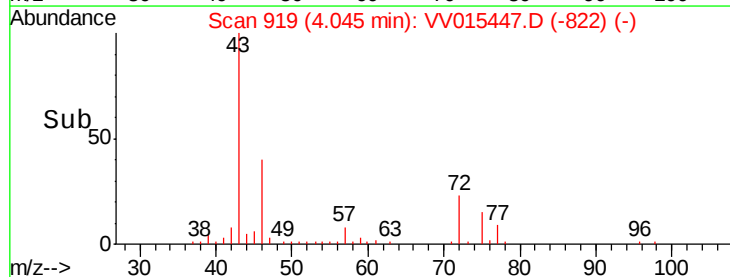
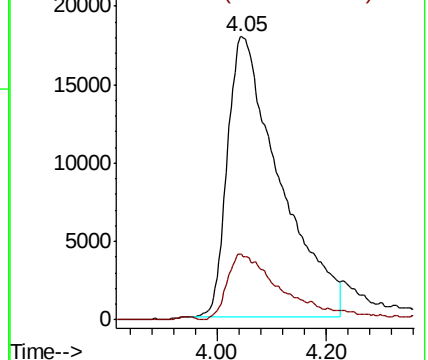
Ion Ratio Lower Upper

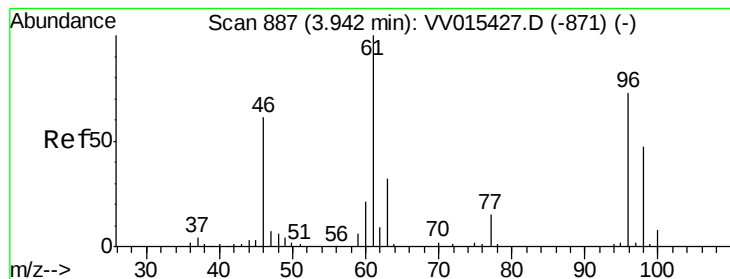
43 100

72 21.3 5.9 17.8#



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



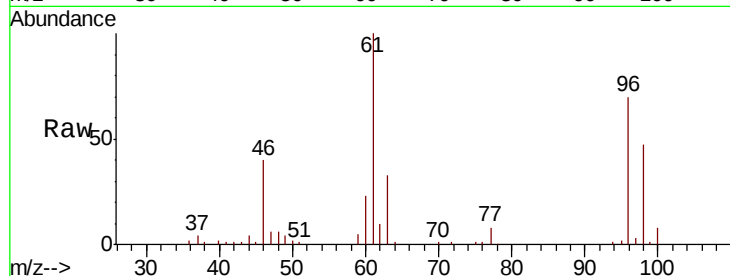


#22

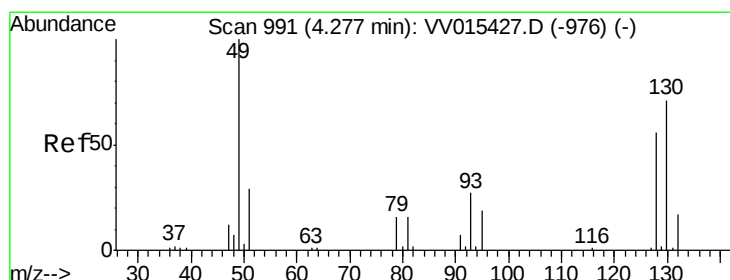
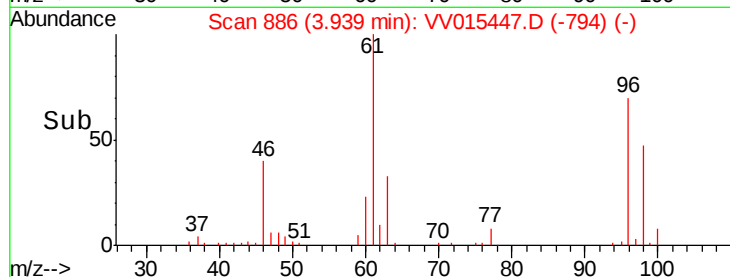
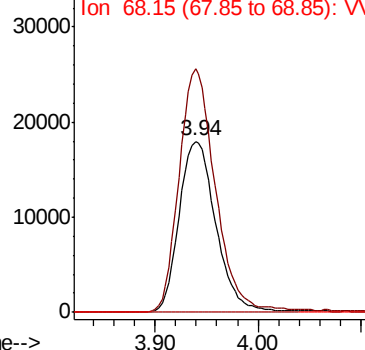
cis-1,2-Dichloroethene
 Concen: 4.924 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 44663
 Ion Ratio Lower Upper
 96 100
 61 142.2 100.0 185.8
 68 0.0 0.0 0.0



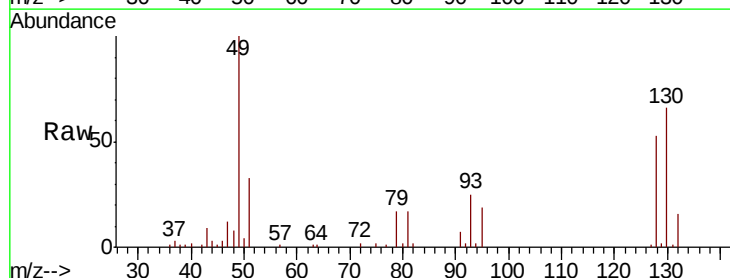
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



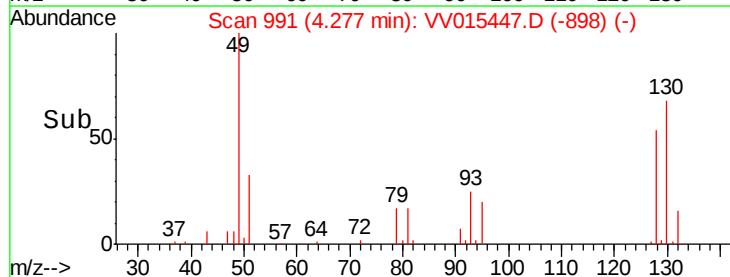
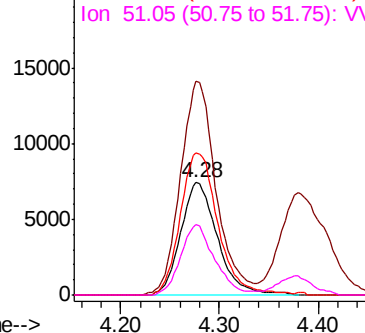
#23

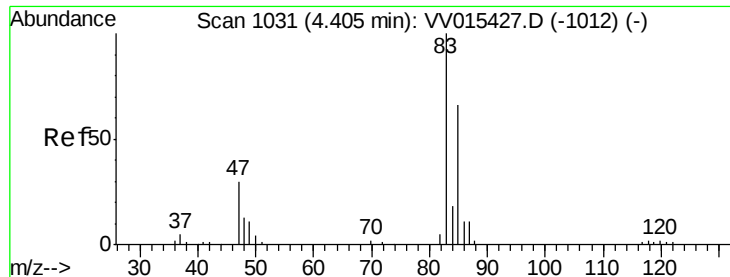
Bromochloromethane
 Concen: 5.110 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

Tgt Ion: 128 Resp: 19285
 Ion Ratio Lower Upper
 128 100
 49 190.1 128.8 239.2
 130 126.2 93.5 173.7
 51 62.2 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

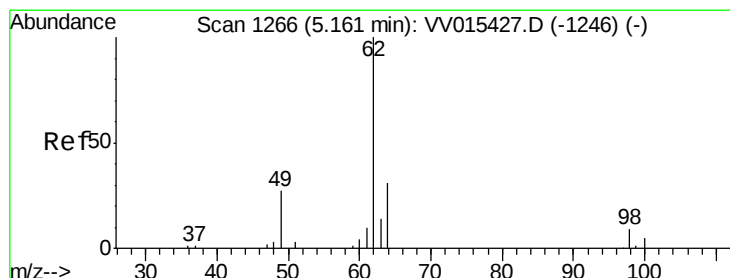
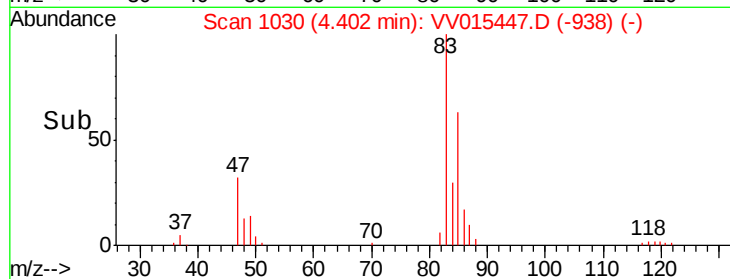
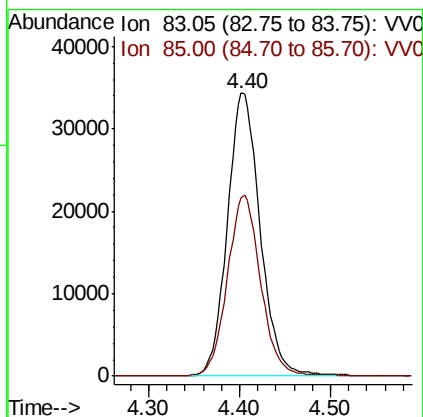
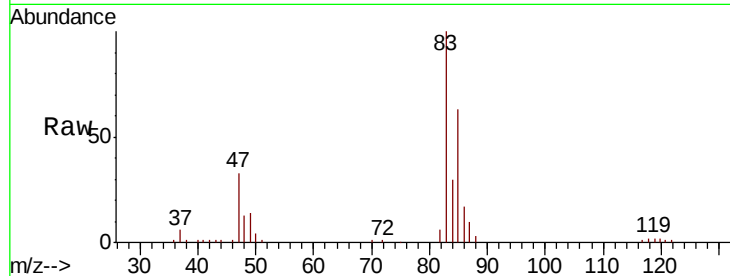




#25
Chloroform
Concen: 5.104 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

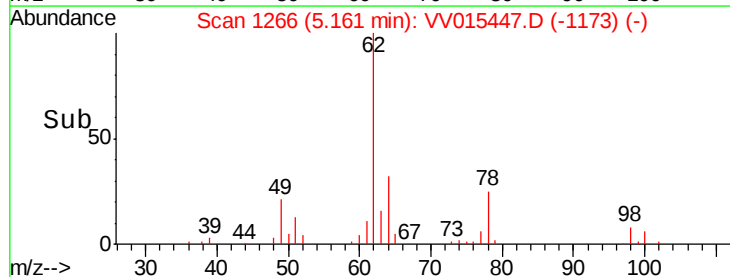
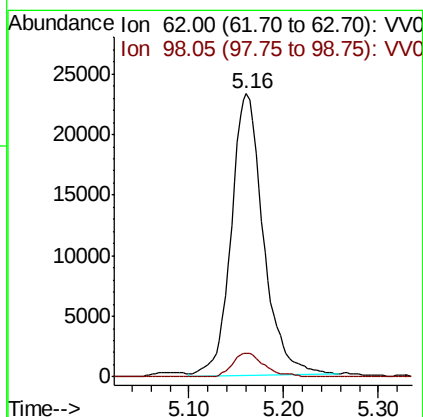
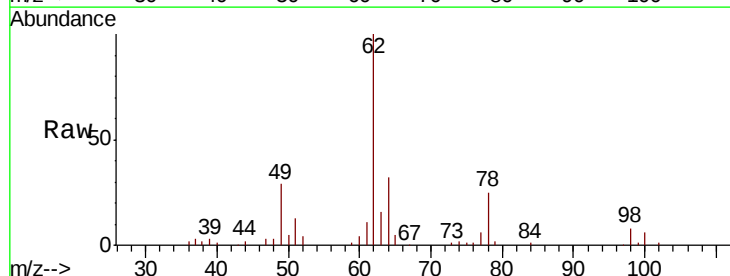
Instrument :
MSVOA_V
ClientSampleId :

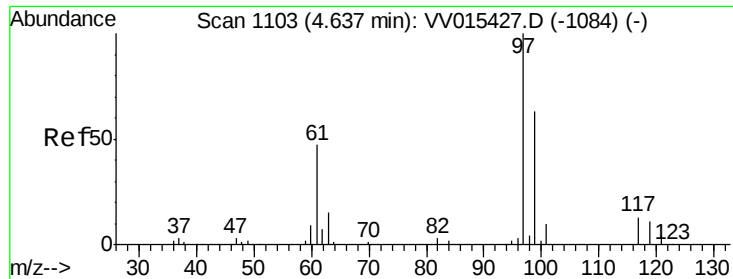
Tot Ion: 83 Resp: 86017
Ion Ratio Lower Upper
83 100
85 63.1 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.027 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Tgt Ion: 62 Resp: 54779
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

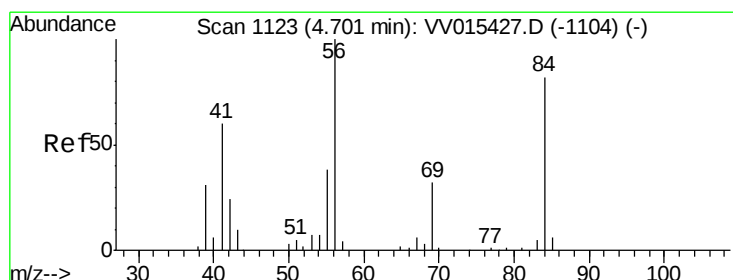
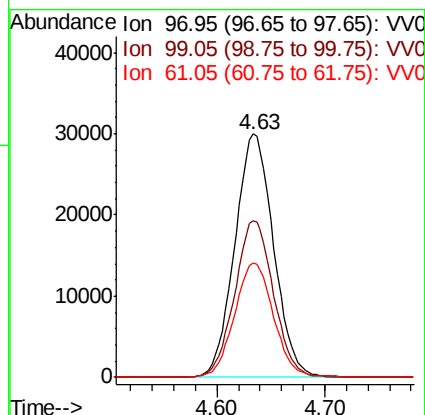
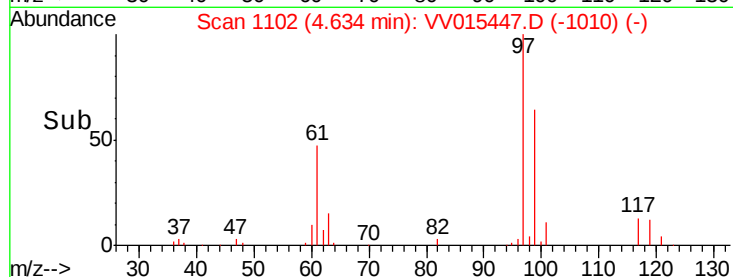
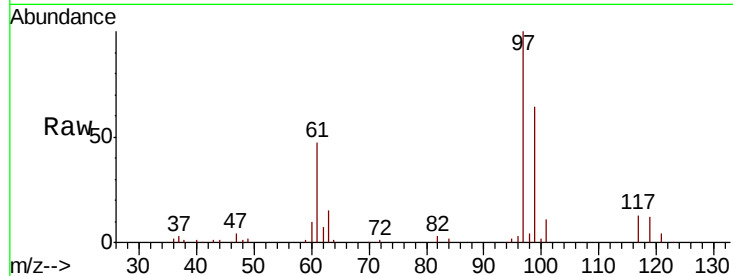




#29
 1,1,1-Trichloroethane
 Concen: 4.829 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

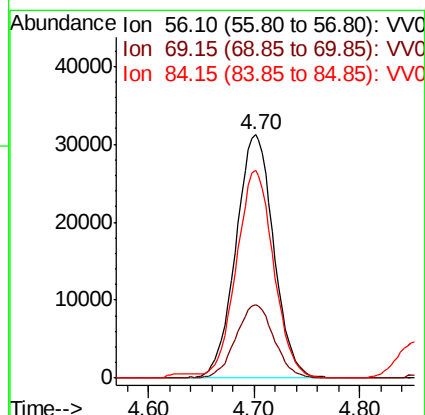
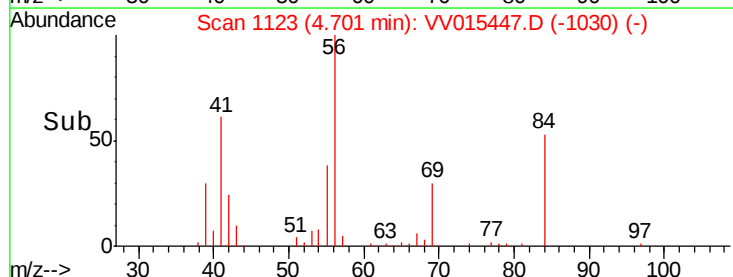
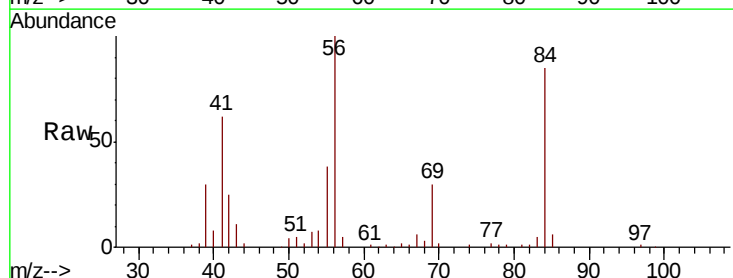
Instrument :
 MSVOA_V
 ClientSampleId :

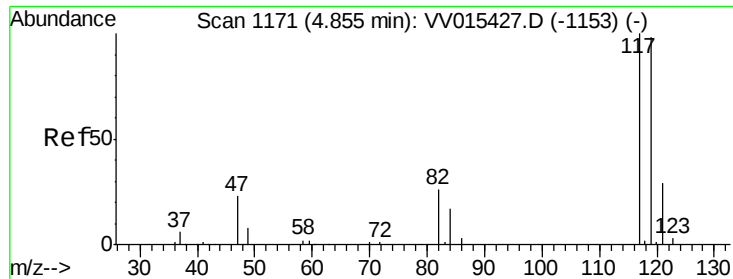
Tot Ion: 97 Resp: 74984
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.6 77.4
 61 47.2 39.0 58.6



#30
 Cyclohexane
 Concen: 4.722 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

Tgt Ion: 56 Resp: 77853
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 84.3 68.4 102.6





#31

Carbon tetrachloride

Concen: 4.700 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

Instrument :

MSVOA_V

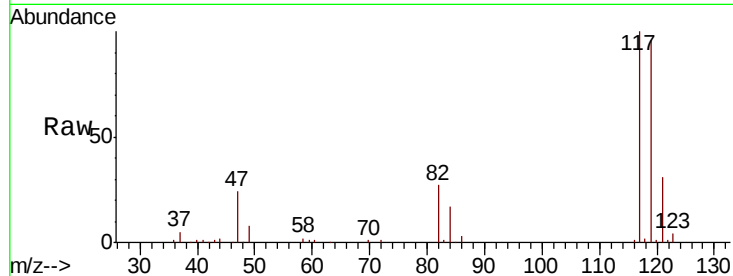
ClientSampleId :

Tot Ion:117 Resp: 63522

Ion Ratio Lower Upper

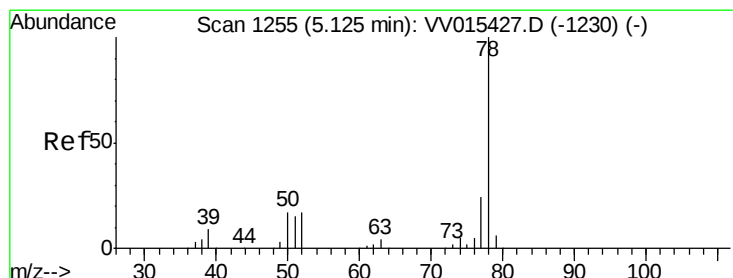
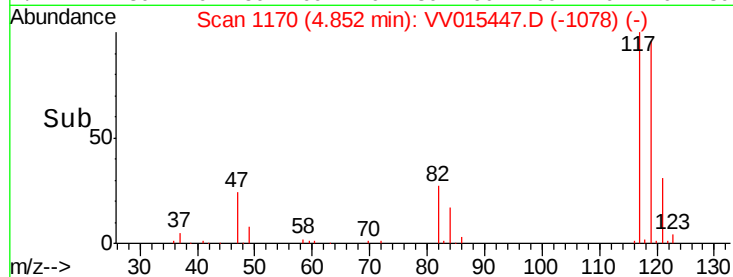
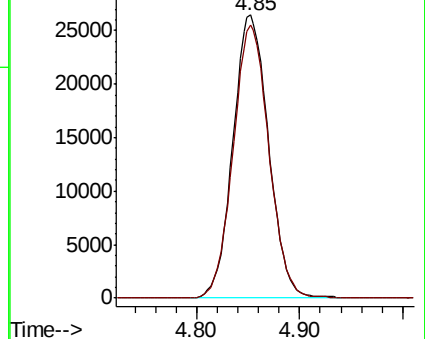
117 100

119 96.6 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: 4.877 ug/L

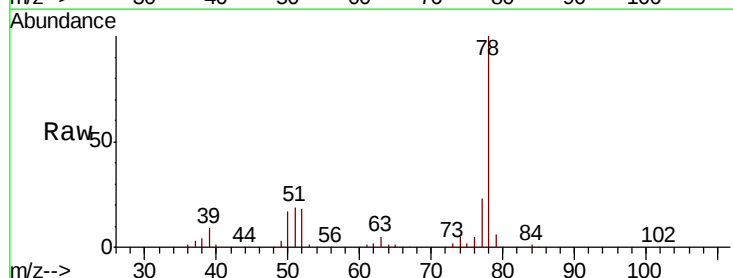
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

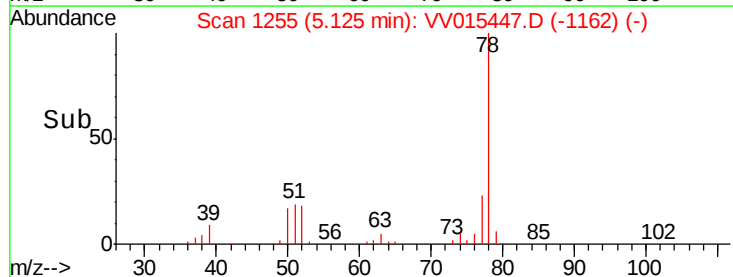
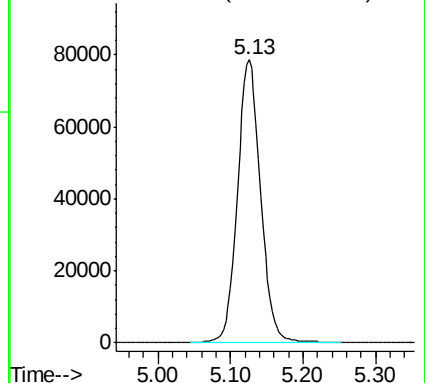
Lab File: VV015447.D

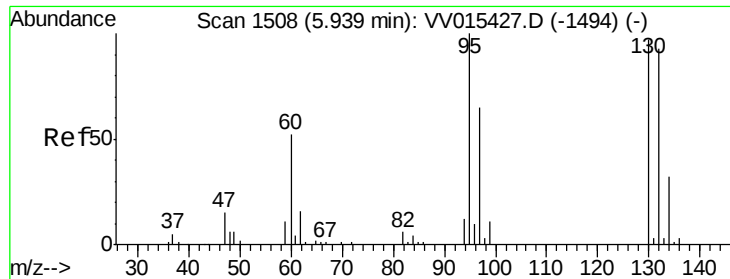
Acq: 10 Apr 2020 03:07

Tgt Ion: 78 Resp: 174689



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.814 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 46414

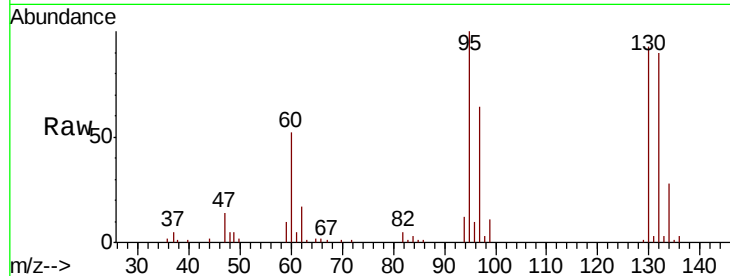
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.4

132 89.8 64.8 120.4

130 93.1 67.4 125.2

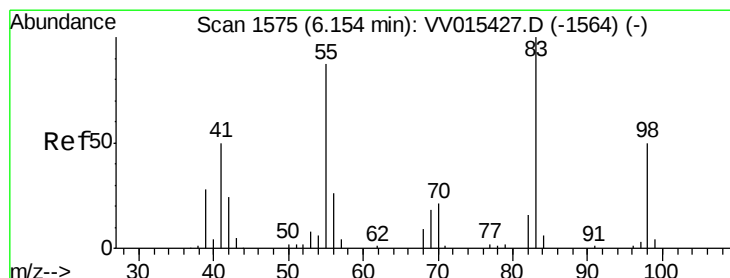
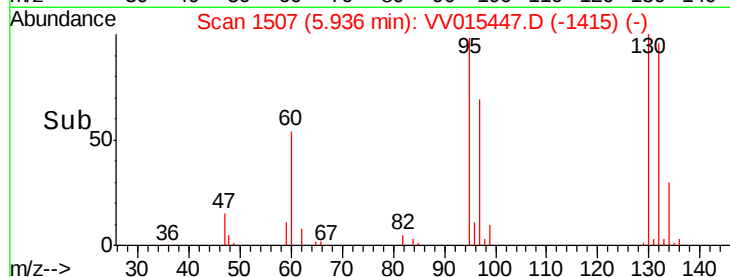
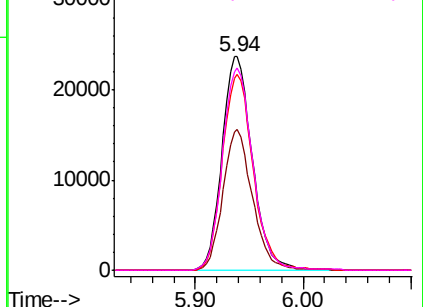


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.549 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

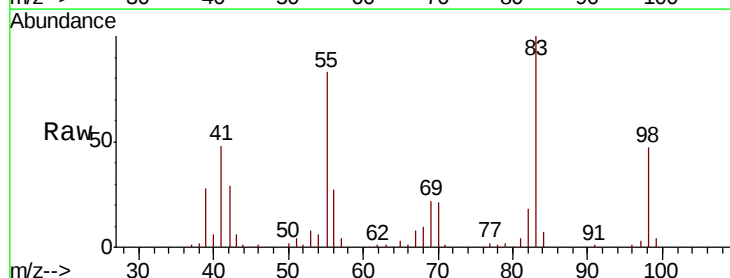
Tgt Ion: 83 Resp: 73898

Ion Ratio Lower Upper

83 100

55 82.1 66.6 99.8

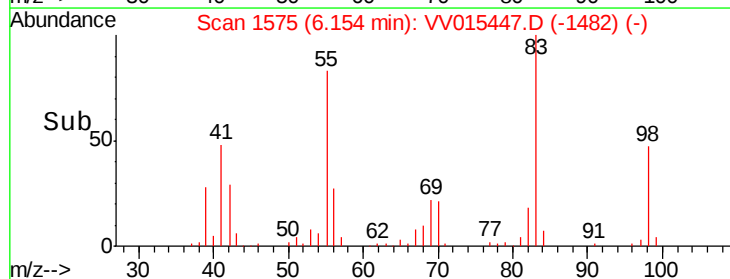
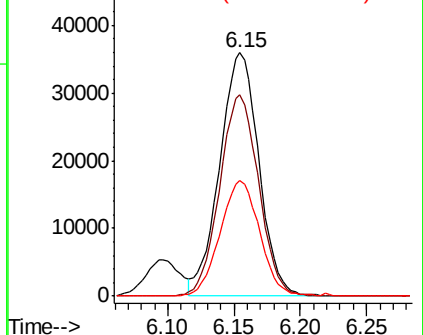
98 47.9 38.7 58.1

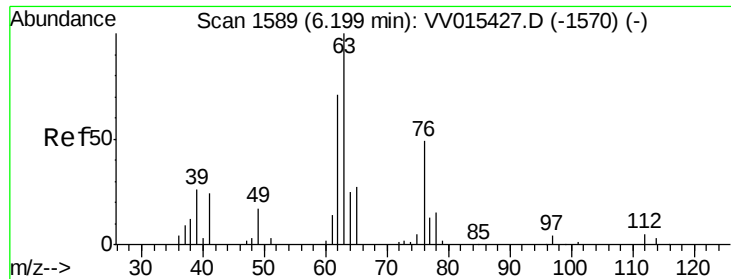


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

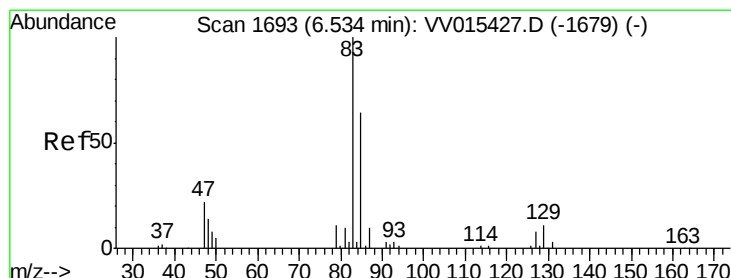
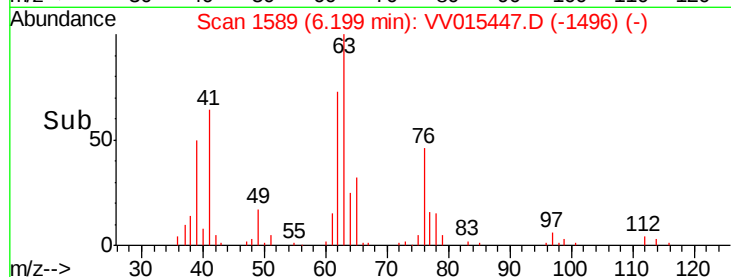
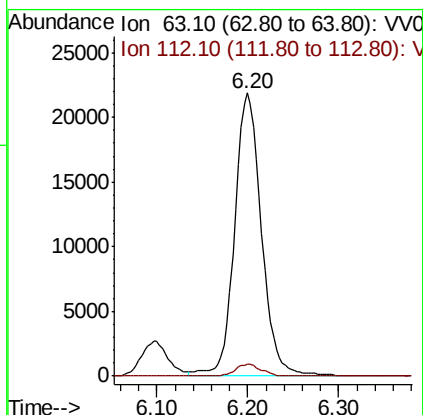
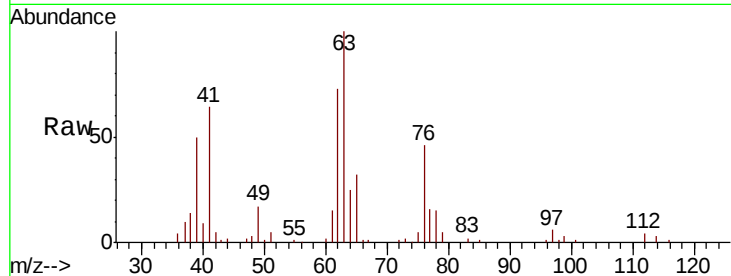




#37
 1,2-Dichloropropane
 Concen: 5.067 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

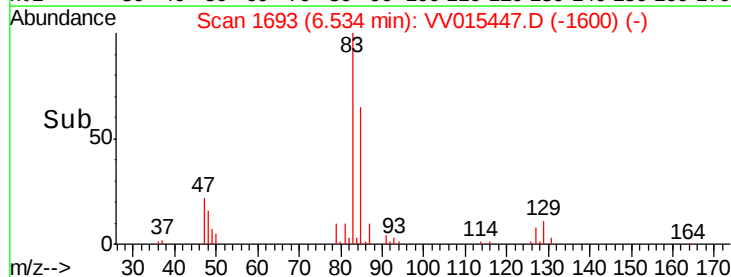
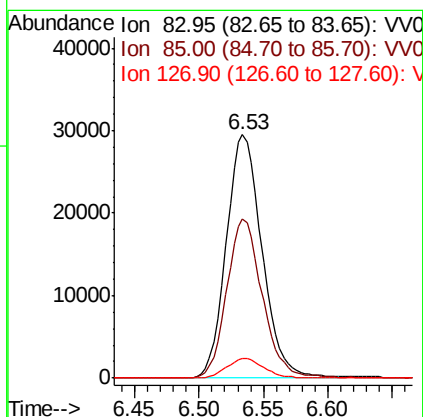
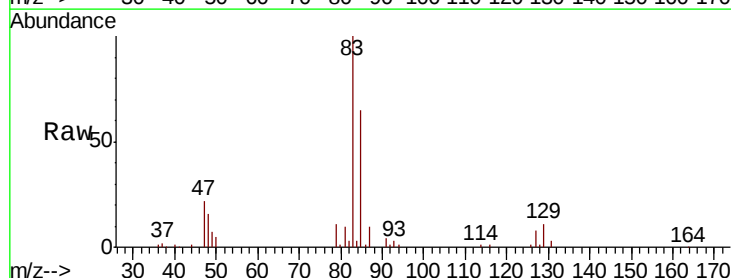
Instrument :
 MSVOA_V
 ClientSampled :

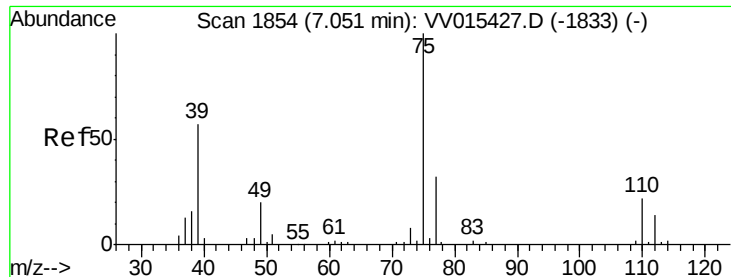
Tot Ion: 63 Resp: 45018
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.795 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

Tgt Ion: 83 Resp: 56814
 Ion Ratio Lower Upper
 83 100
 85 65.4 42.6 79.2
 127 8.0 6.6 9.8

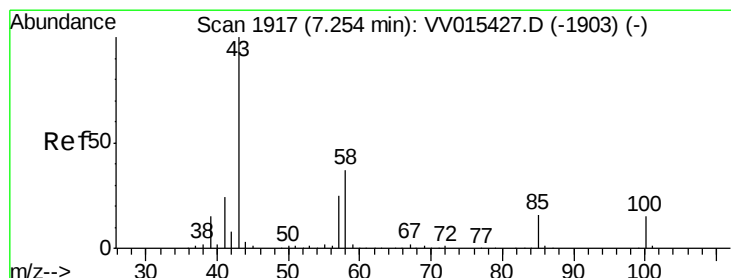
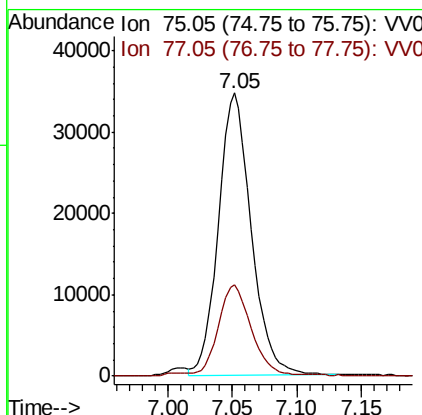
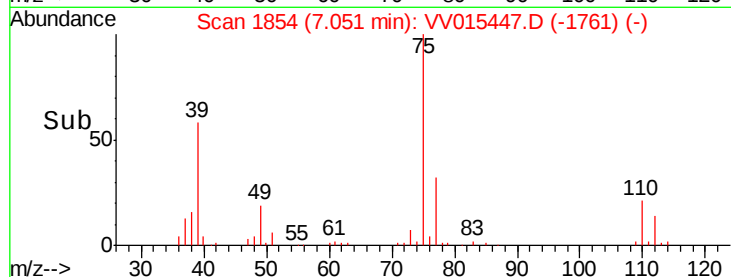
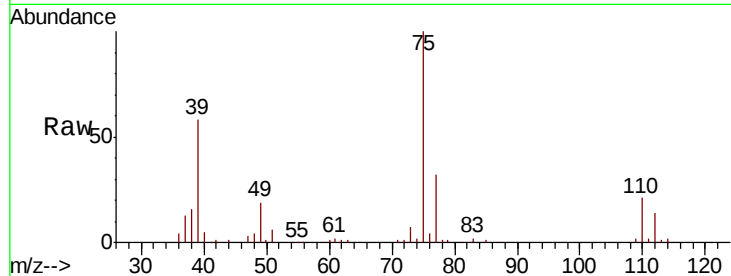




#39
 cis-1,3-Dichloropropene
 Concen: 4.490 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

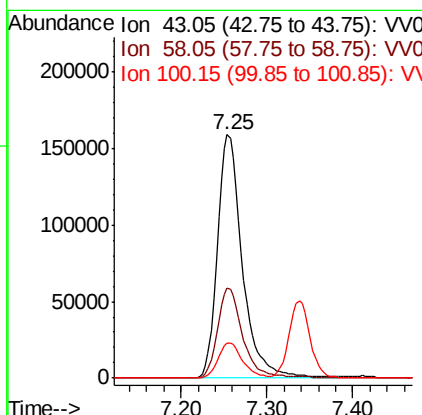
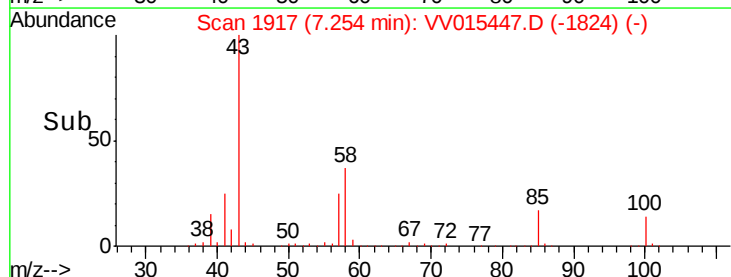
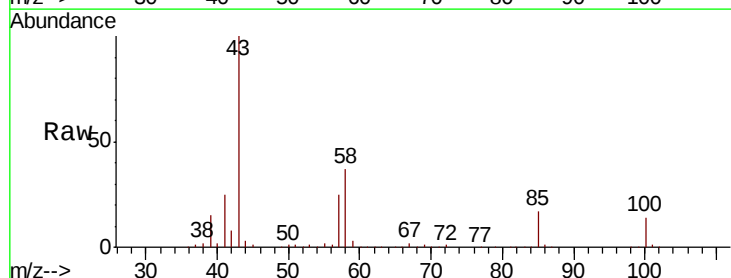
Instrument :
 MSVOA_V
 ClientSampleId :

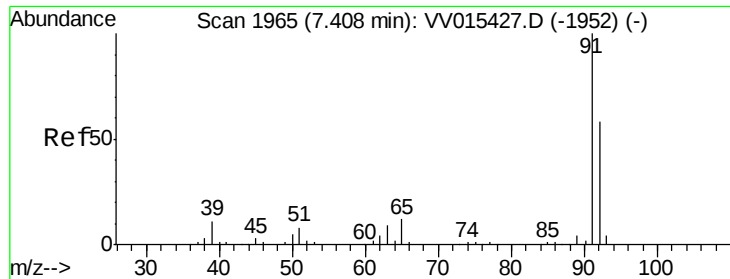
Tot Ion: 75 Resp: 61215
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 54.873 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

Tgt Ion: 43 Resp: 320126
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.0 43.6
 100 14.2 11.0 16.6





#42

Toluene

Concen: 4.817 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

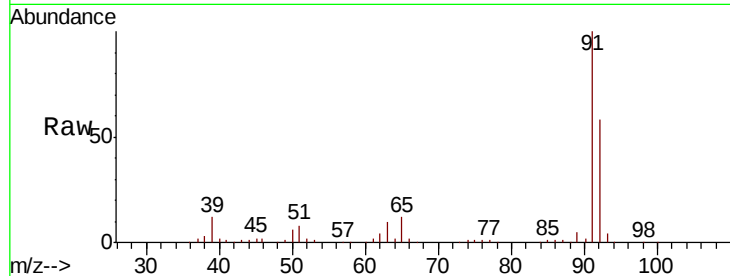
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 187326

Ion Ratio Lower Upper

91 100

92 58.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

120000

100000

80000

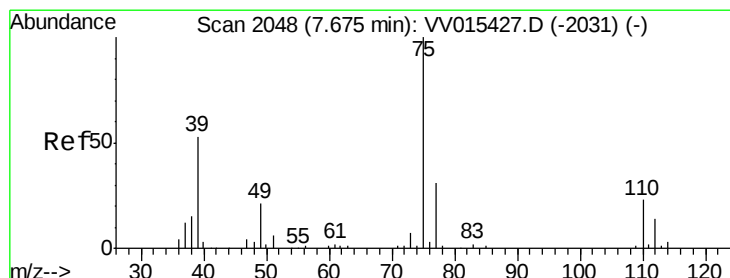
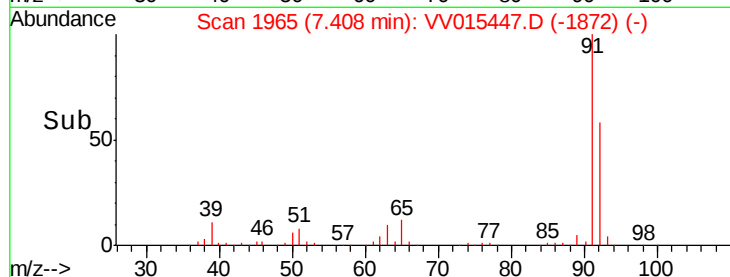
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.741 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015447.D

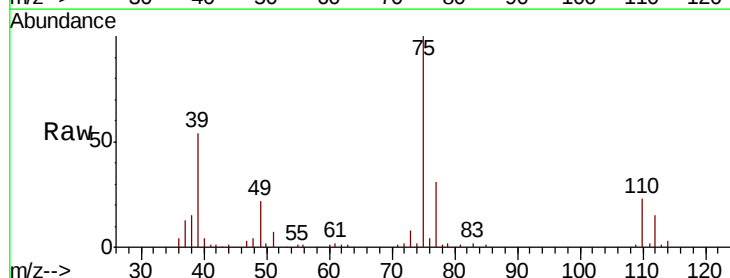
Acq: 10 Apr 2020 03:07

Tgt Ion: 75 Resp: 54659

Ion Ratio Lower Upper

75 100

77 31.5 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.68

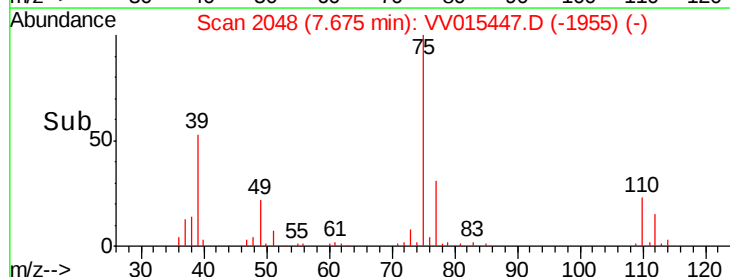
30000

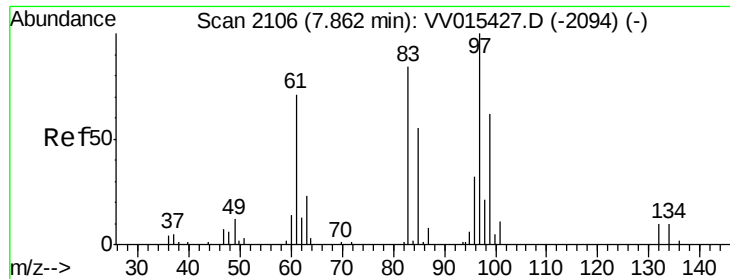
20000

10000

0

Time-->

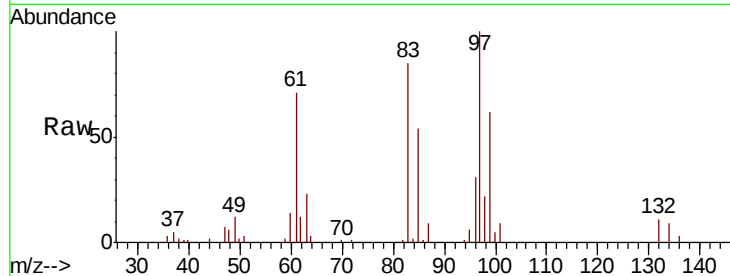




#45
1,1,2-Trichloroethane
Concen: 5.146 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	30733
Ion	Ratio	Lower	Upper
97	100		
99	61.7	41.3	76.7
83	85.3	60.5	112.3
85	54.0	36.8	68.4



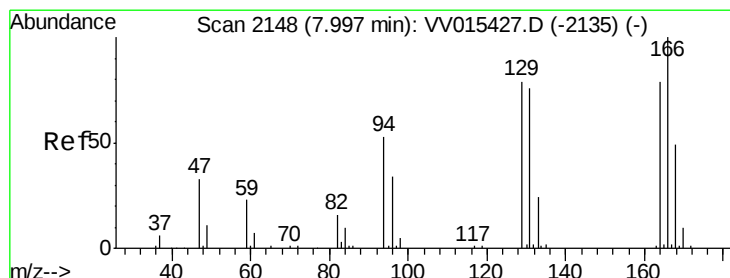
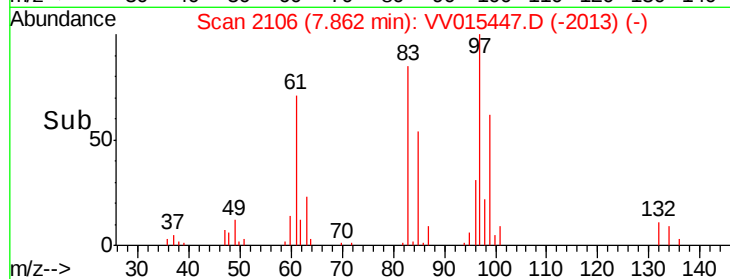
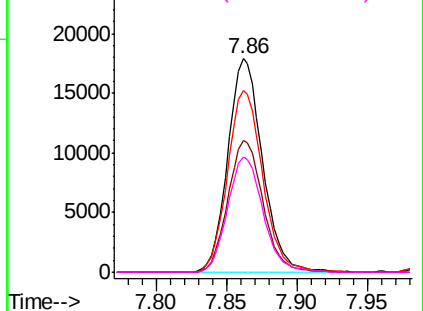
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

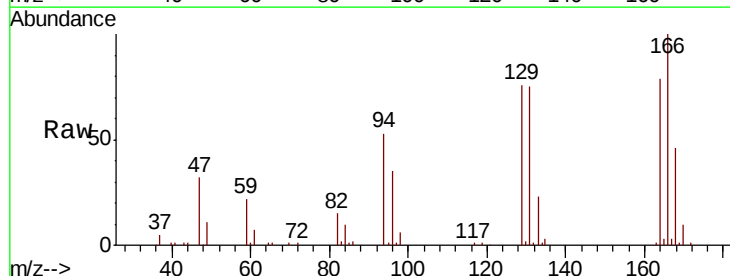
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 4.697 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Tgt Ion:	164	Resp:	33551
Ion	Ratio	Lower	Upper
164	100		
129	96.3	70.6	131.0
131	95.4	68.3	126.8
166	127.0	88.3	163.9



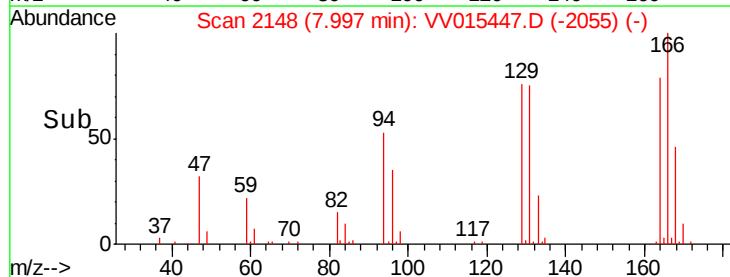
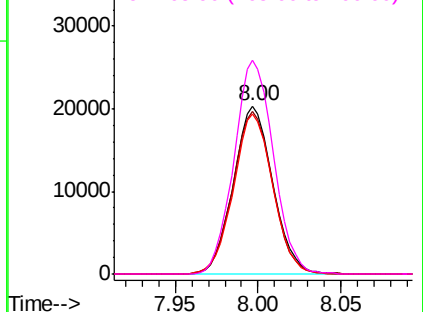
Abundance

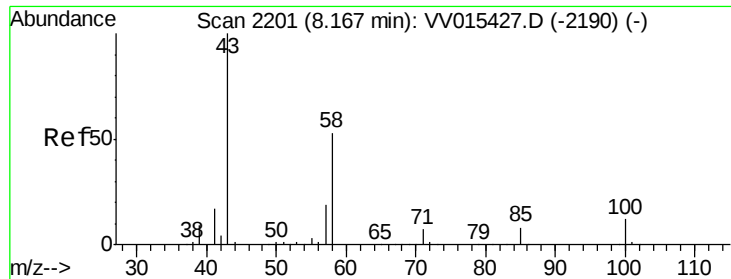
Ion 163.90 (163.60 to 164.60): V

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

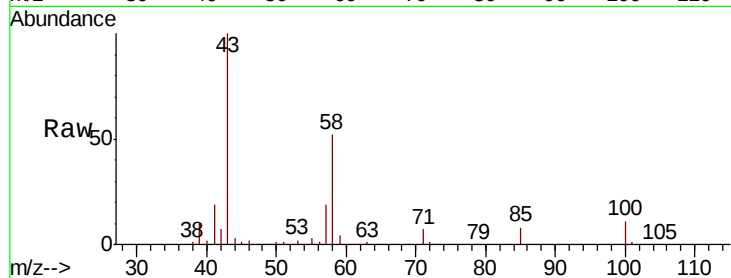




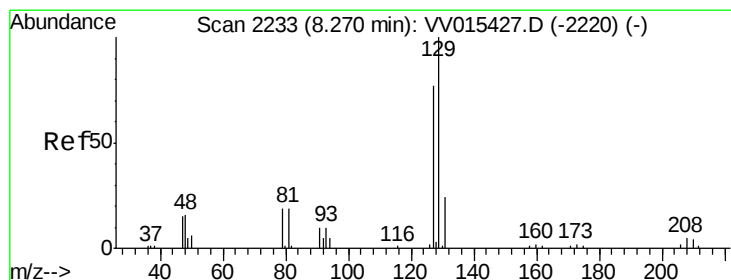
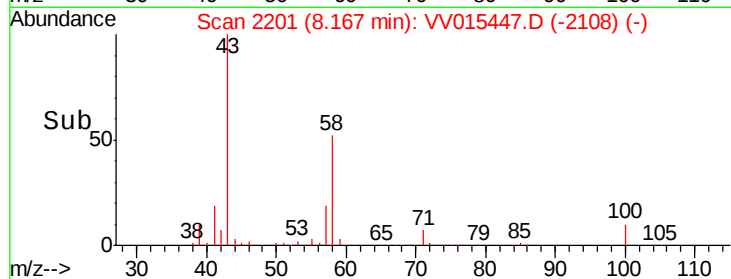
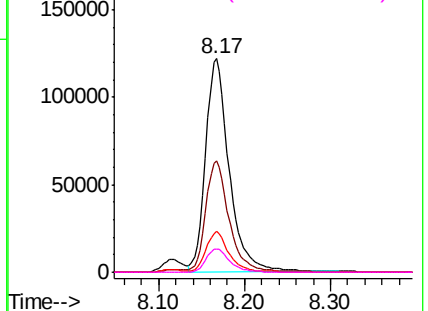
#48
2-Hexanone
Concen: 57.496 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 234367
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.5 15.0 22.4
100 10.9 9.4 14.2

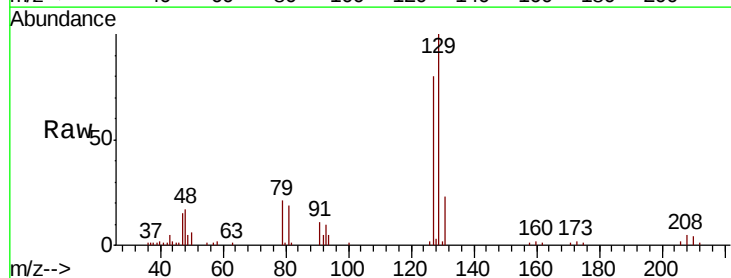


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

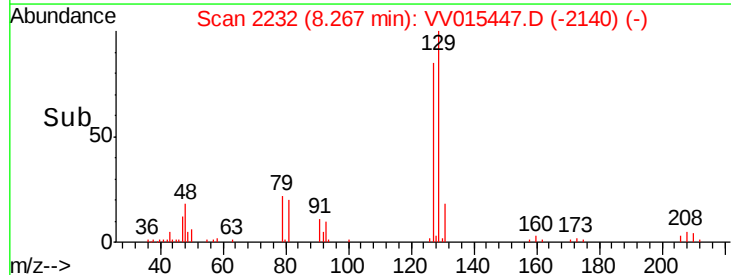
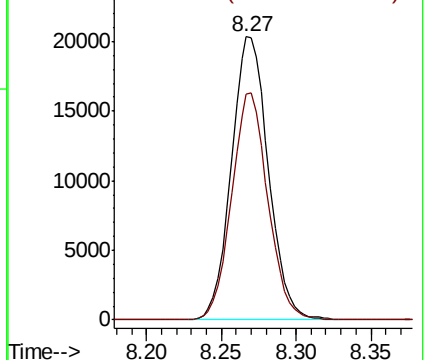


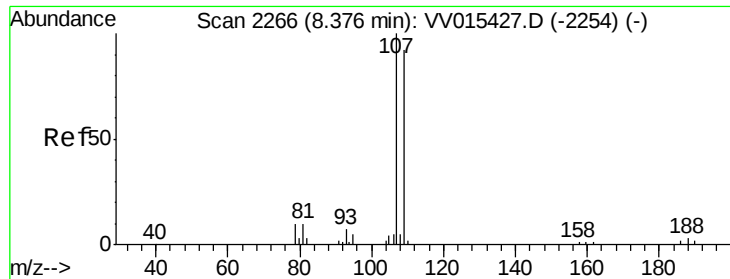
#49
Dibromochloromethane
Concen: 4.883 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Tgt Ion: 129 Resp: 34933
Ion Ratio Lower Upper
129 100
127 79.8 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

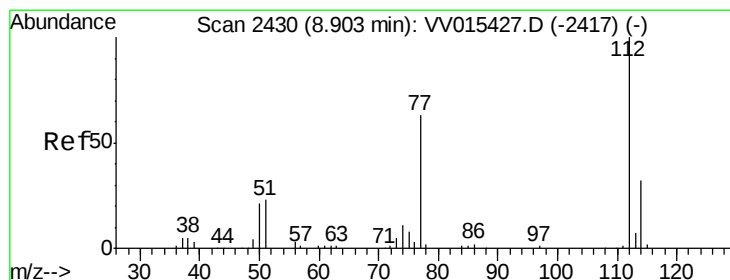
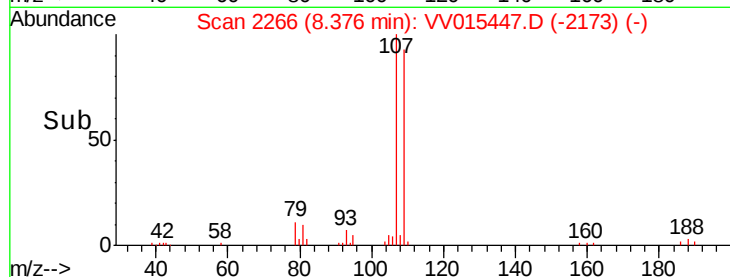
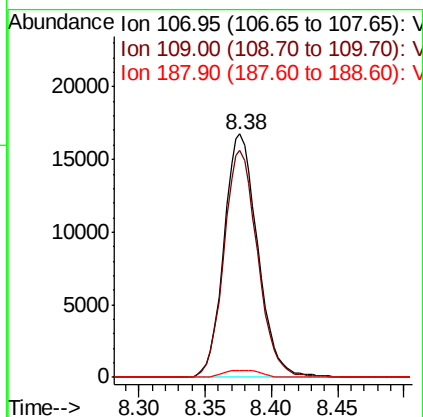
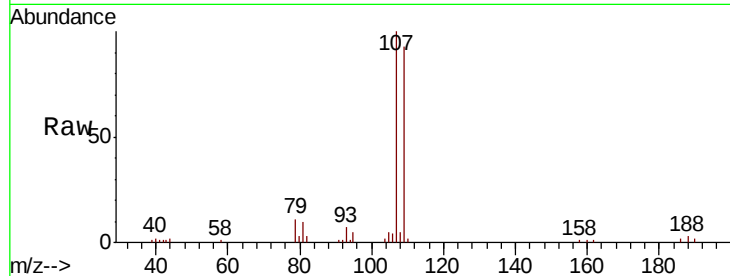




#50
1,2-Dibromoethane
Concen: 5.176 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

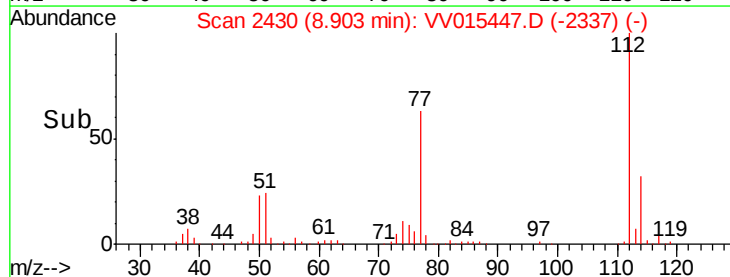
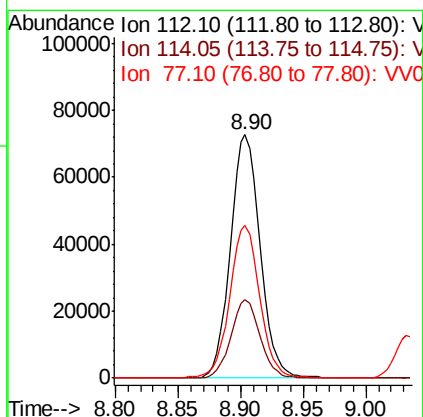
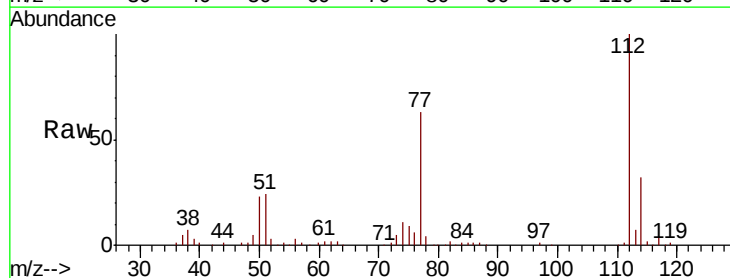
Instrument :
MSVOA_V
ClientSampleId :

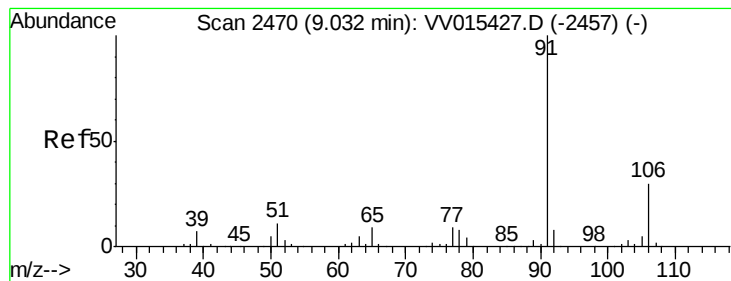
Tot Ion:107 Resp: 29627
Ion Ratio Lower Upper
107 100
109 93.3 66.7 123.9
188 2.8 2.9 4.3#



#51
Chlorobenzene
Concen: 4.829 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Tgt Ion:112 Resp: 119710
Ion Ratio Lower Upper
112 100
114 32.3 22.9 42.5
77 62.6 49.8 74.8





#52

Ethylbenzene

Concen: 4.852 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

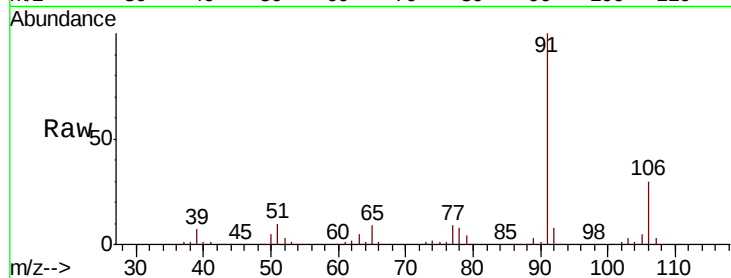
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 217230

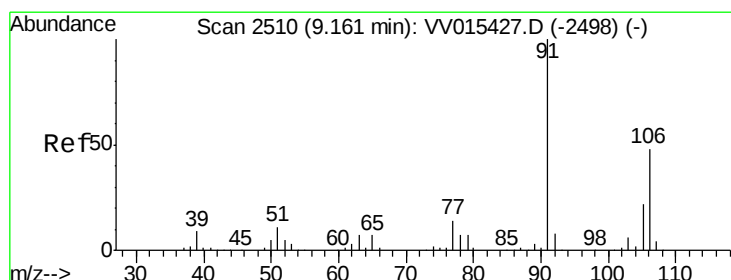
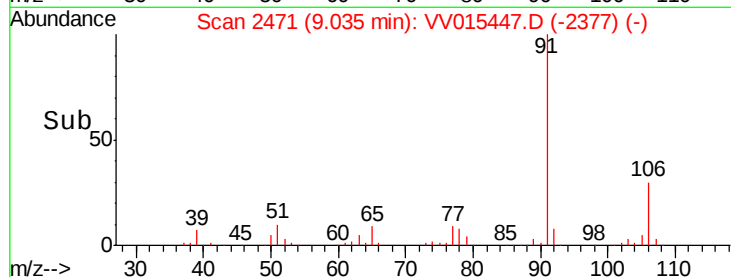
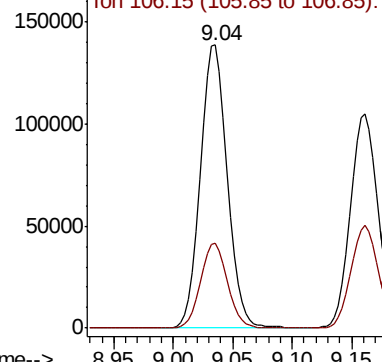
Ion Ratio Lower Upper

91 100

106 29.9 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015447.D (-2377) (-)



#53

m,p-xylene

Concen: 4.805 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015447.D

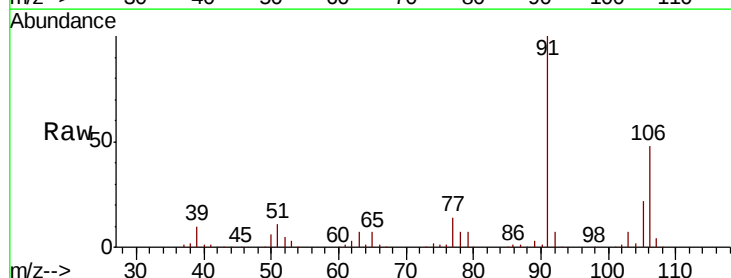
Acq: 10 Apr 2020 03:07

Tgt Ion: 106 Resp: 81236

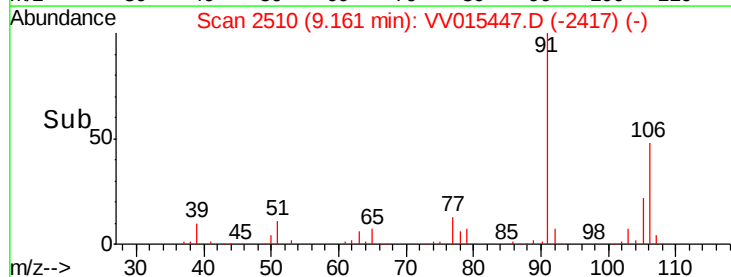
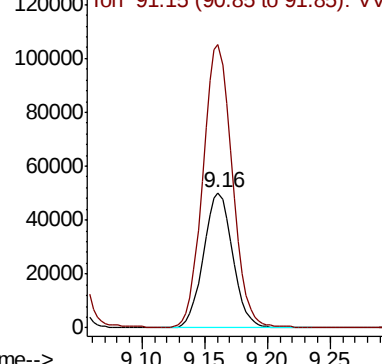
Ion Ratio Lower Upper

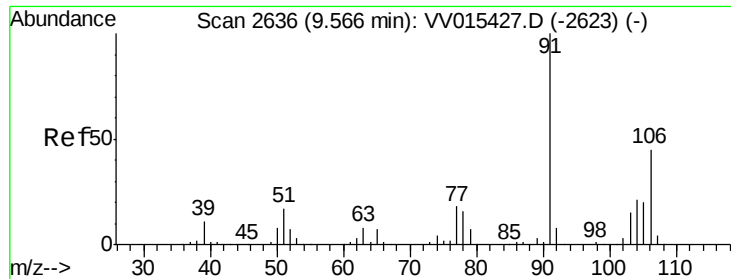
106 100

91 209.1 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015447.D (-2417) (-)





#54

o-xylene

Concen: 4.817 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

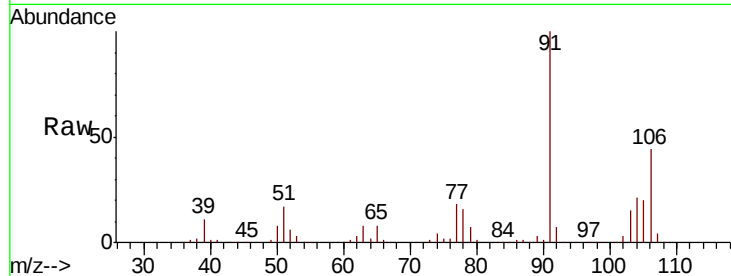
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 78838

Ion Ratio Lower Upper

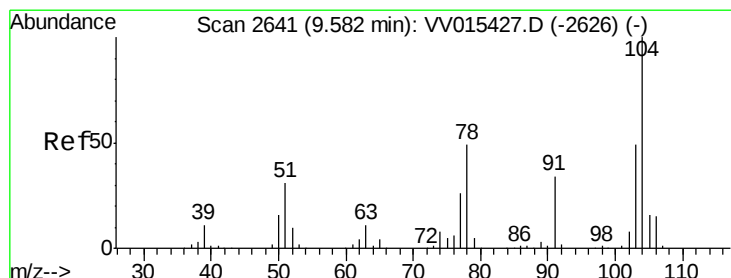
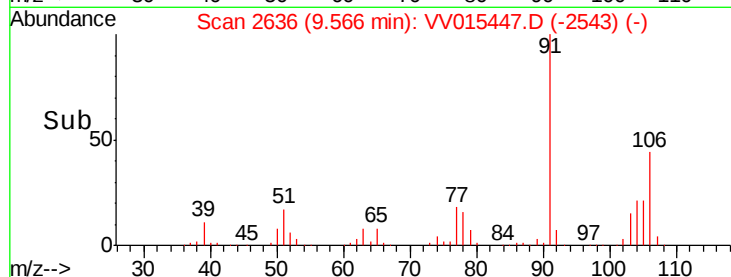
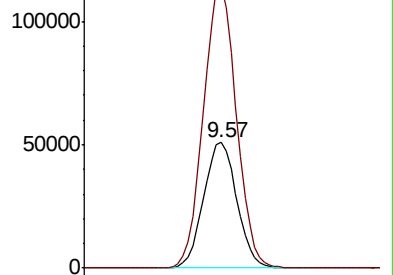
106 100

91 225.0 154.5 286.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.928 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015447.D

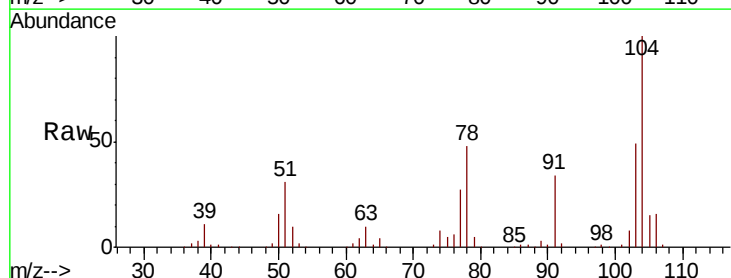
Acq: 10 Apr 2020 03:07

Tgt Ion:104 Resp: 135556

Ion Ratio Lower Upper

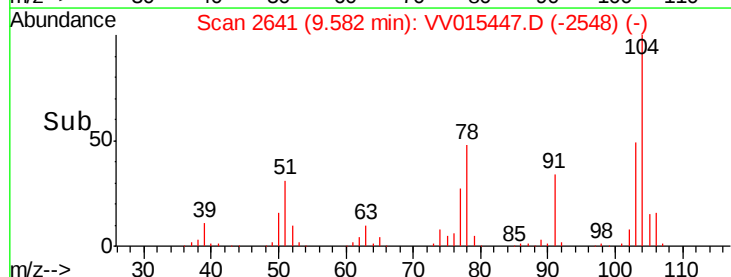
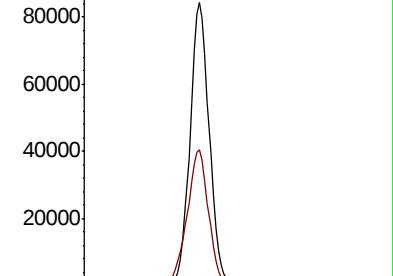
104 100

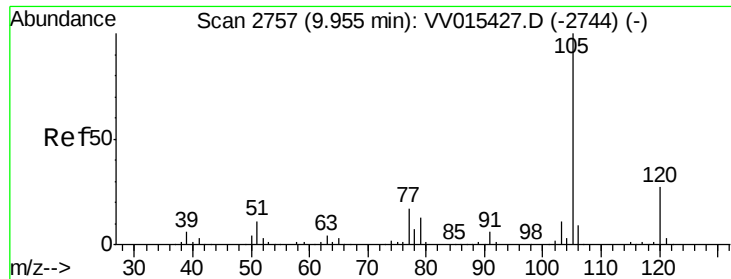
78 48.1 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

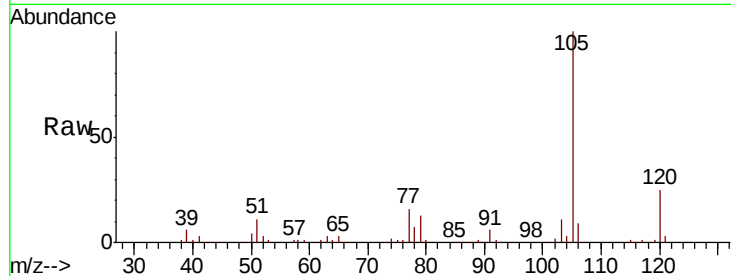




#56
Isopropylbenzene
Concen: 4.771 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Instrument :
MSVOA_V
ClientSampleId :

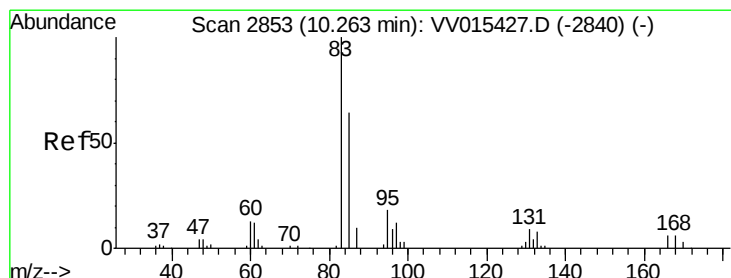
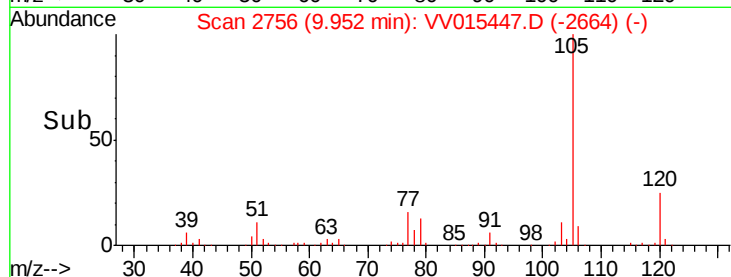
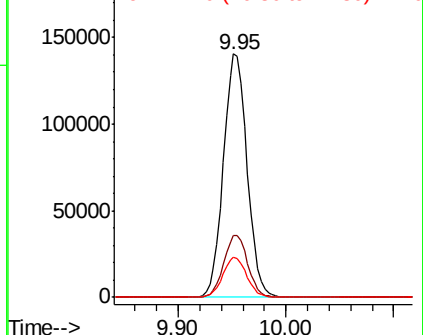
Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.7	31.1
77	16.6	13.5	20.3



Abundance Ion 105.05 (104.75 to 105.75): VV015447.D (-2664) (-)

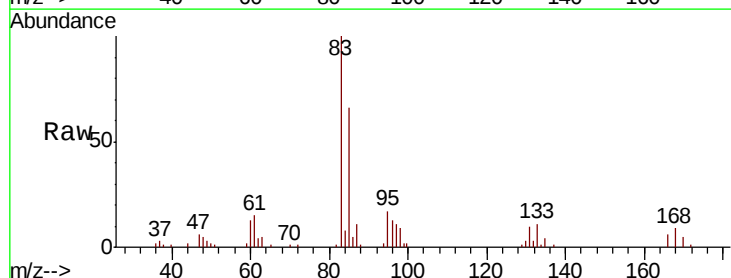
Ion 120.10 (119.80 to 120.80): VV015447.D (-2664) (-)

Ion 77.10 (76.80 to 77.80): VV015447.D (-2664) (-)



#58
1,1,2,2-Tetrachloroethane
Concen: 5.369 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

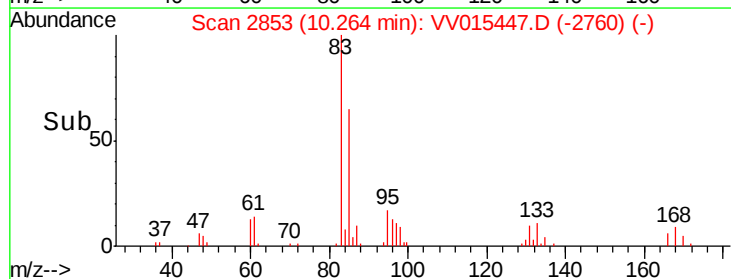
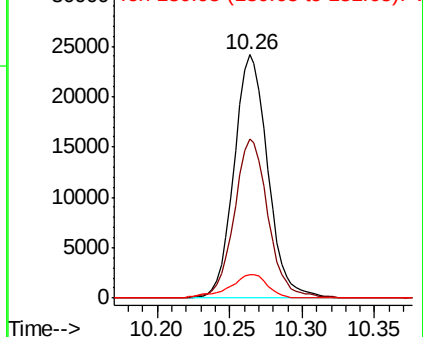
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	44.5	82.7
131	9.7	7.5	11.3

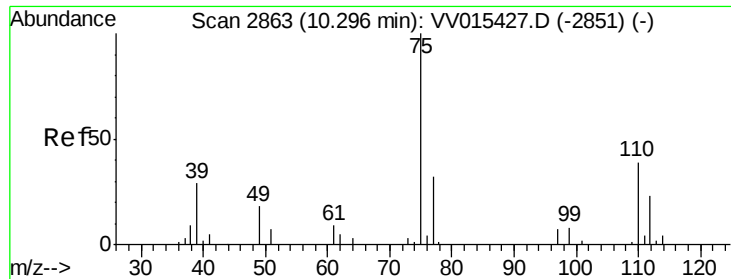


Abundance Ion 82.95 (82.65 to 83.65): VV015447.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015447.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV015447.D (-2760) (-)

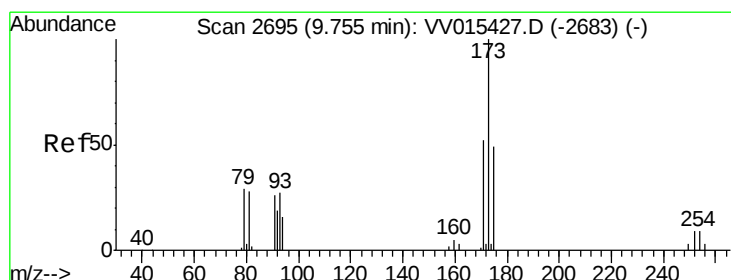
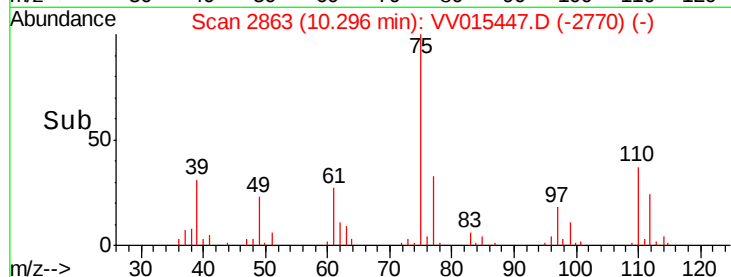
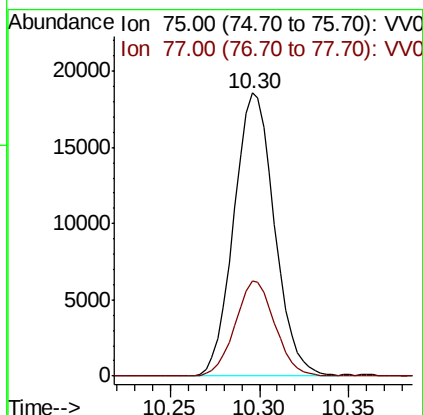
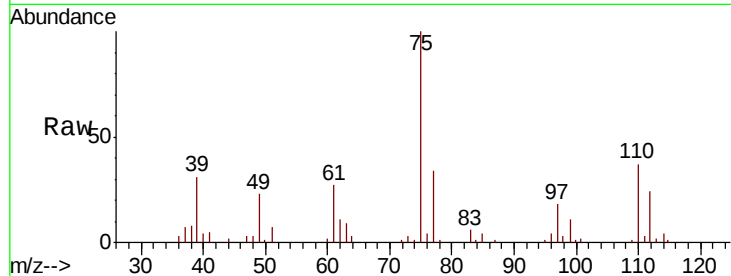




#59
1,2,3-Trichloropropane
Concen: 5.376 ug/L
RT: 10.30 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

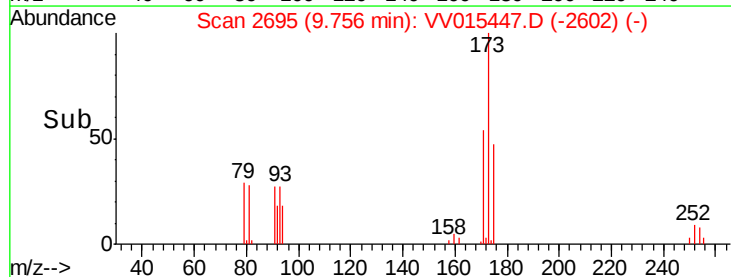
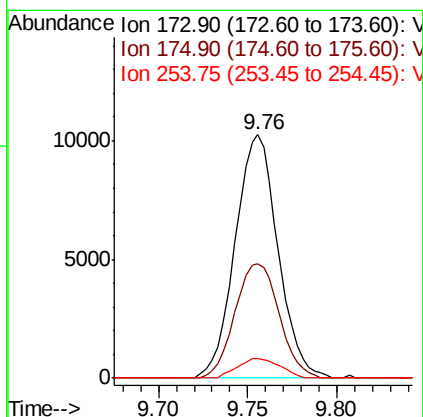
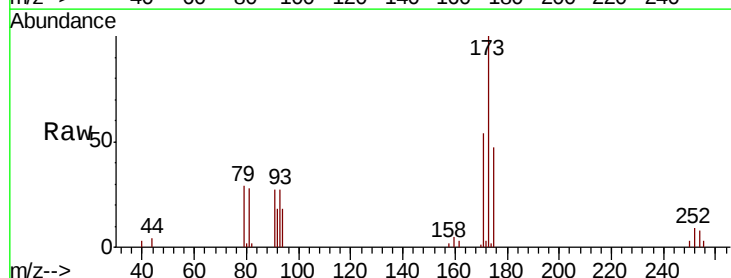
Instrument :
MSVOA_V
ClientSampleId :

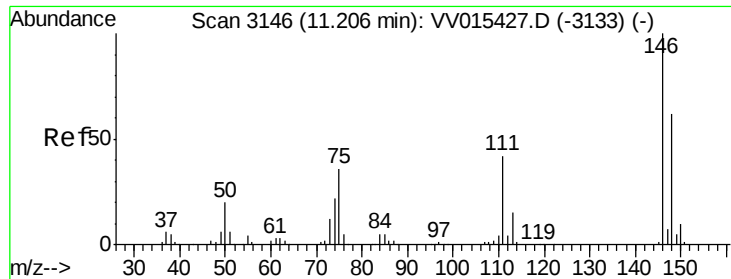
Tot Ion: 75 Resp: 29531
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0



#61
Bromoform
Concen: 4.943 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VV015447.D
Acq: 10 Apr 2020 03:07

Tgt Ion:173 Resp: 17158
Ion Ratio Lower Upper
173 100
175 48.6 38.2 57.2
254 8.0 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.908 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

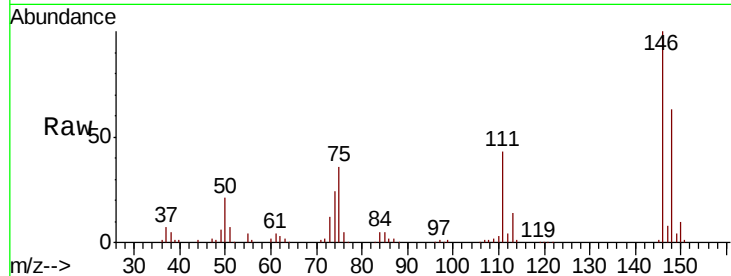
Tot Ion:146 Resp: 93658

Ion Ratio Lower Upper

146 100

111 42.6 29.3 54.5

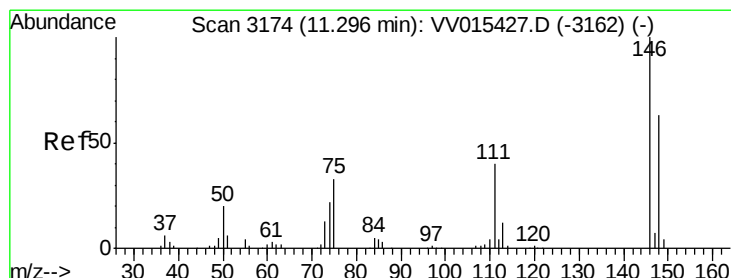
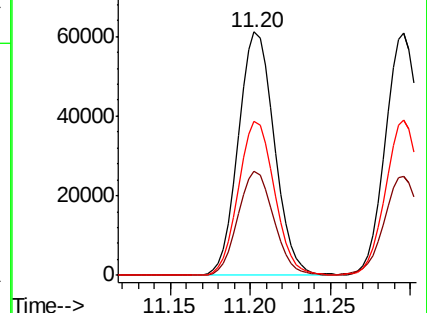
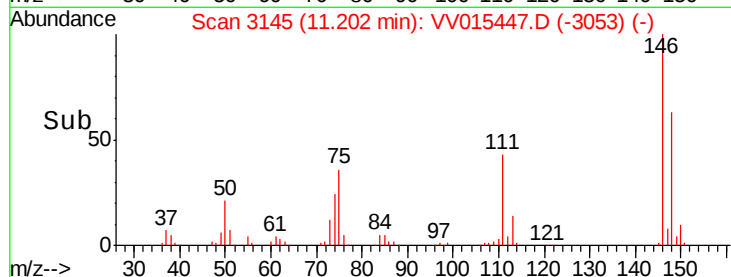
148 63.2 42.4 78.6



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: 4.869 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

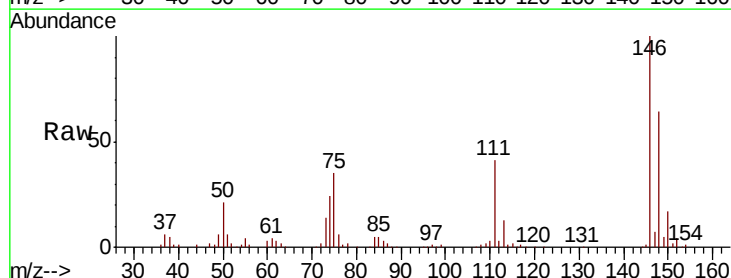
Tgt Ion:146 Resp: 94537

Ion Ratio Lower Upper

146 100

111 41.1 29.4 54.6

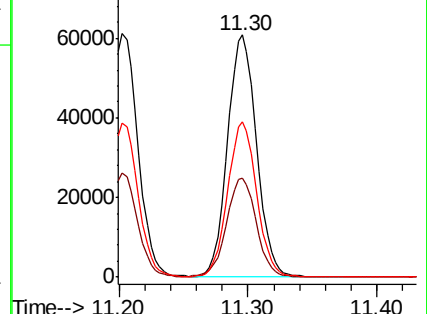
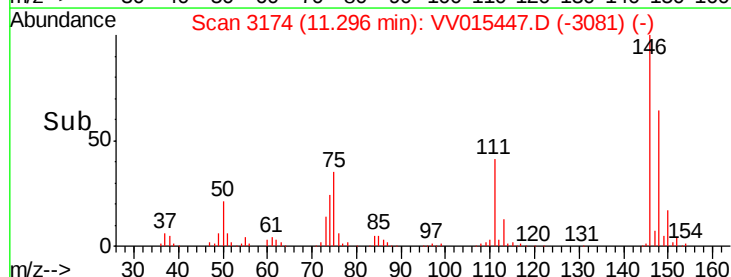
148 64.3 44.3 82.3

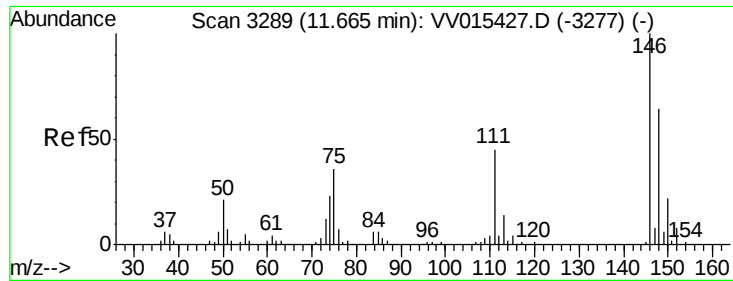


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

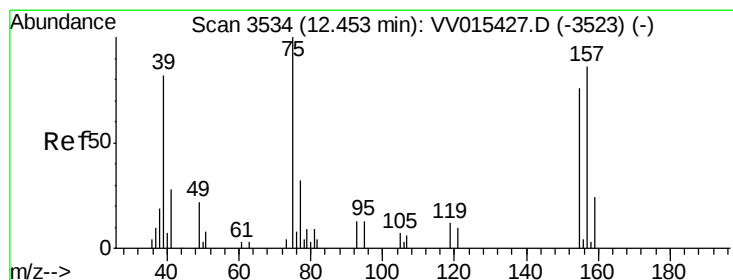
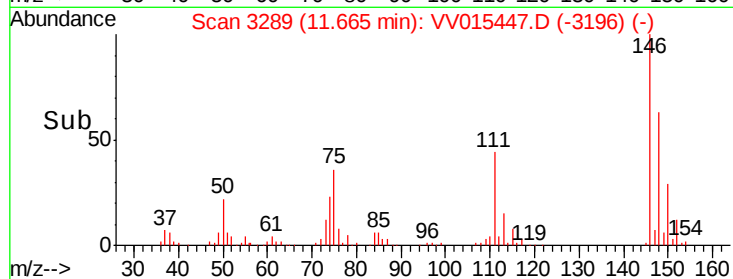
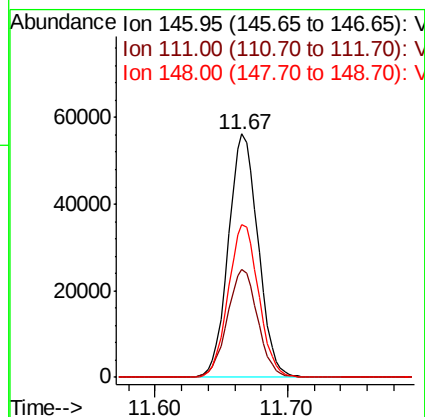
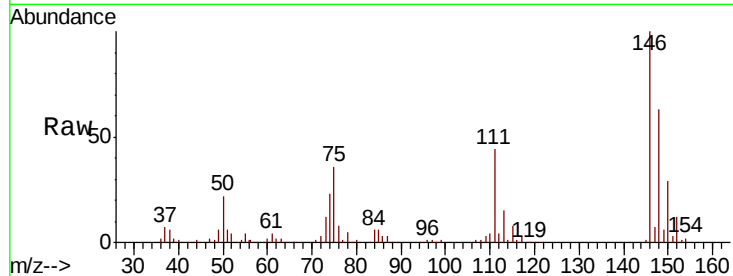




#65
 1,2-Dichlorobenzene
 Concen: 5.032 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

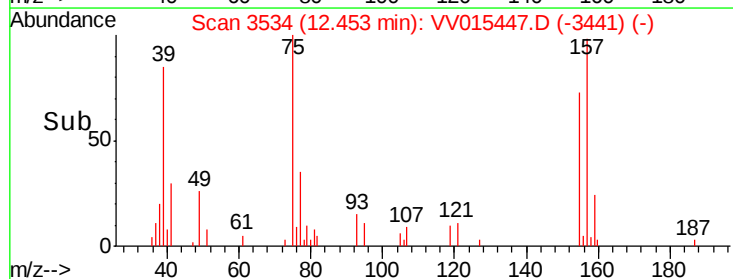
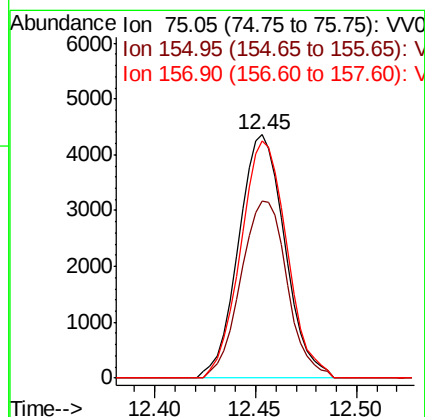
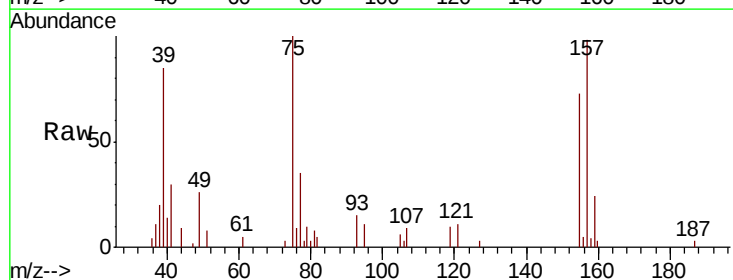
Instrument :
 MSVOA_V
 ClientSampleId :

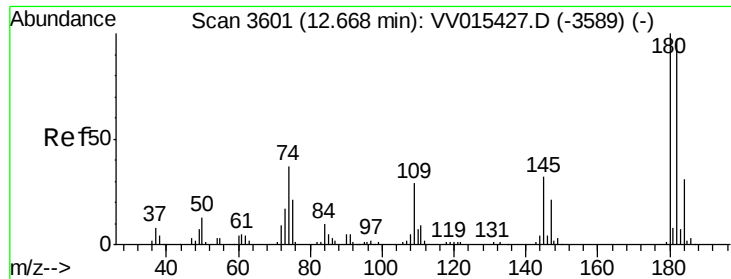
Tot Ion:146 Resp: 87545
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.8 53.6
 148 62.9 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.269 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

Tgt Ion: 75 Resp: 7014
 Ion Ratio Lower Upper
 75 100
 155 72.6 60.8 91.2
 157 97.6 75.7 113.5

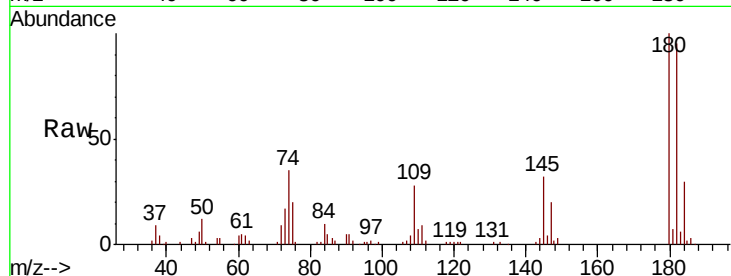




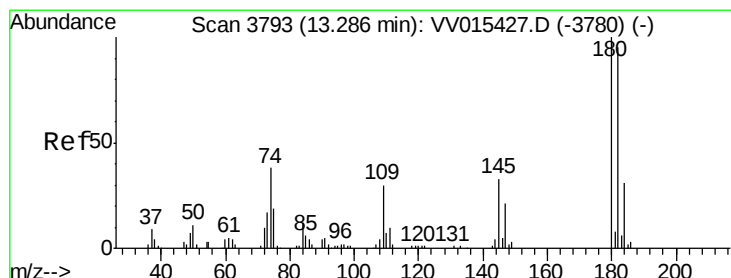
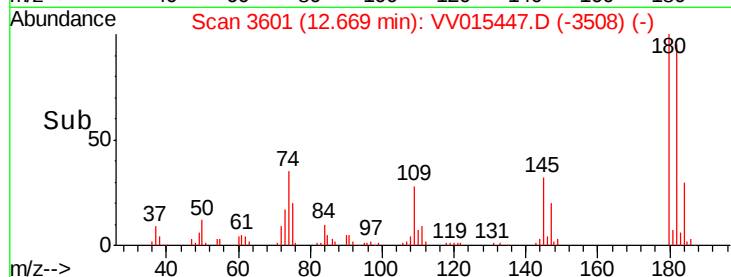
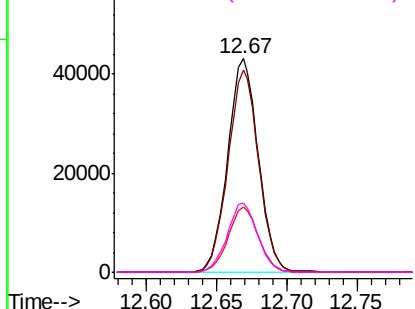
#67
 1,3,5-Trichlorobenzene
 Concen: 4.749 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 65482
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.9 115.3
 184 30.0 24.0 36.0
 145 32.2 26.1 39.1

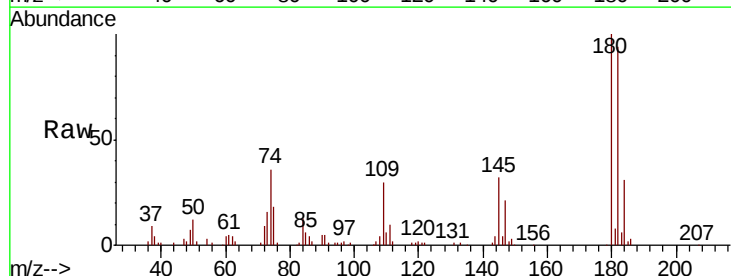


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

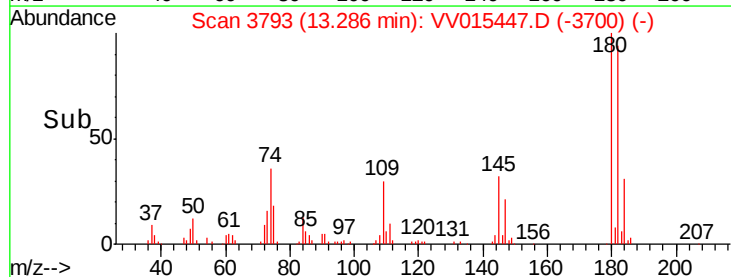
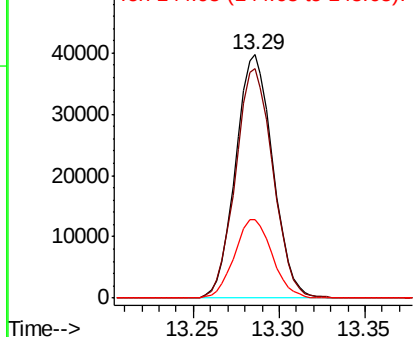


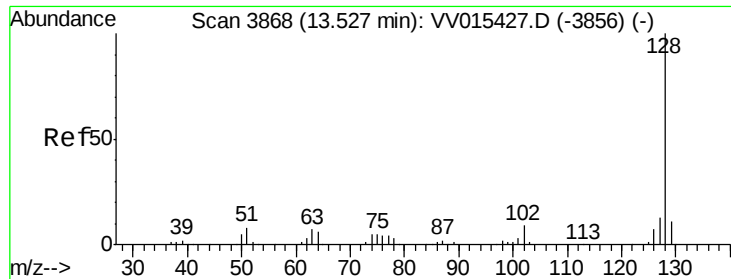
#68
 1,2,4-trichlorobenzene
 Concen: 4.800 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015447.D
 Acq: 10 Apr 2020 03:07

Tgt Ion:180 Resp: 59613
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 115.0
 145 32.6 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: 5.242 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

Instrument :

MSVOA_V

ClientSampled :

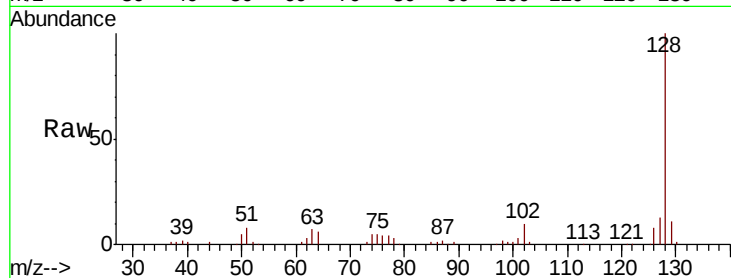
Tot Ion:128 Resp: 122665

Ion Ratio Lower Upper

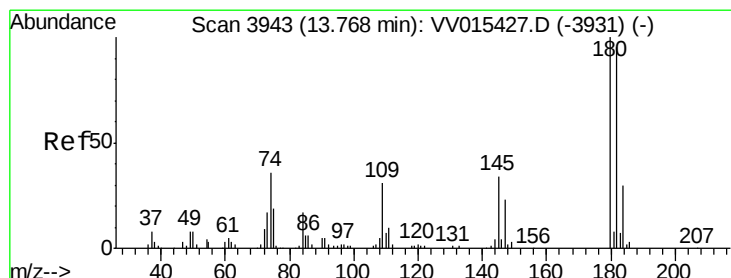
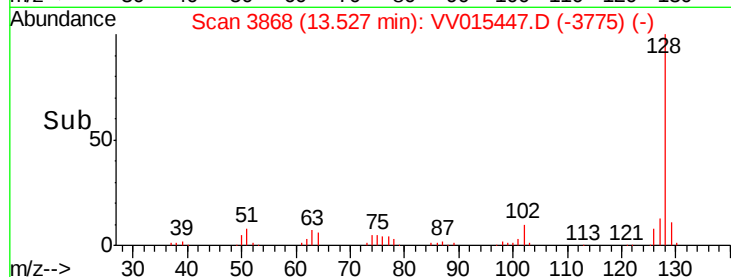
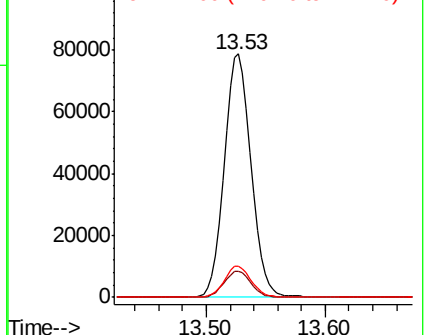
128 100

129 10.7 8.6 13.0

127 12.8 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: 4.975 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015447.D

Acq: 10 Apr 2020 03:07

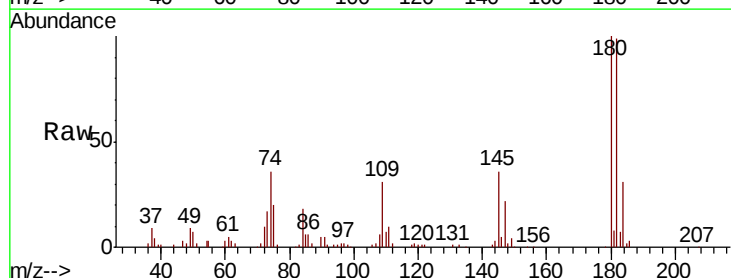
Tgt Ion:180 Resp: 54585

Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 35.4 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

