

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015780.D
 Acq On : 29 Apr 2020 04:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 06:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 03:36:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	120915	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	118939	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	60565	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39772	6.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.80%
7) Chloroethane-d5	1.58	69	32717	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.12	63	78327	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.20%
20) 2-Butanone-d5	3.94	46	95961	47.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.60%
24) Chloroform-d	4.38	84	67552	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.06	65	40013	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.07	84	135828	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.10	67	41785	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.34	98	126606	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.64	79	15057	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.11	63	70434	41.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.36%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30514	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	44162	4.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	55273	5.337 ug/L	98
3) Chloromethane	1.25	50	51884	5.791 ug/L	99
5) Vinyl chloride	1.32	62	54212	5.665 ug/L	99
6) Bromomethane	1.53	94	25016	6.089 ug/L	97
8) Chloroethane	1.59	64	37926	6.034 ug/L	98
9) Trichlorofluoromethane	1.76	101	77987	5.807 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42930	5.650 ug/L	97
12) 1,1-Dichloroethene	2.13	96	40122	5.701 ug/L	97
13) Acetone	2.22	43	80806	57.355 ug/L	97
14) Carbon disulfide	2.31	76	105915	5.324 ug/L	99
15) Methyl Acetate	2.46	43	20489	6.115 ug/L	100
16) Methylene chloride	2.52	84	47381	5.453 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	113330	5.737 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	45039	5.716 ug/L	97
19) 1,1-Dichloroethane	3.21	63	91082	5.887 ug/L	98
21) 2-Butanone	4.02	43	126689	58.297 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	48372	5.552 ug/L	95

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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

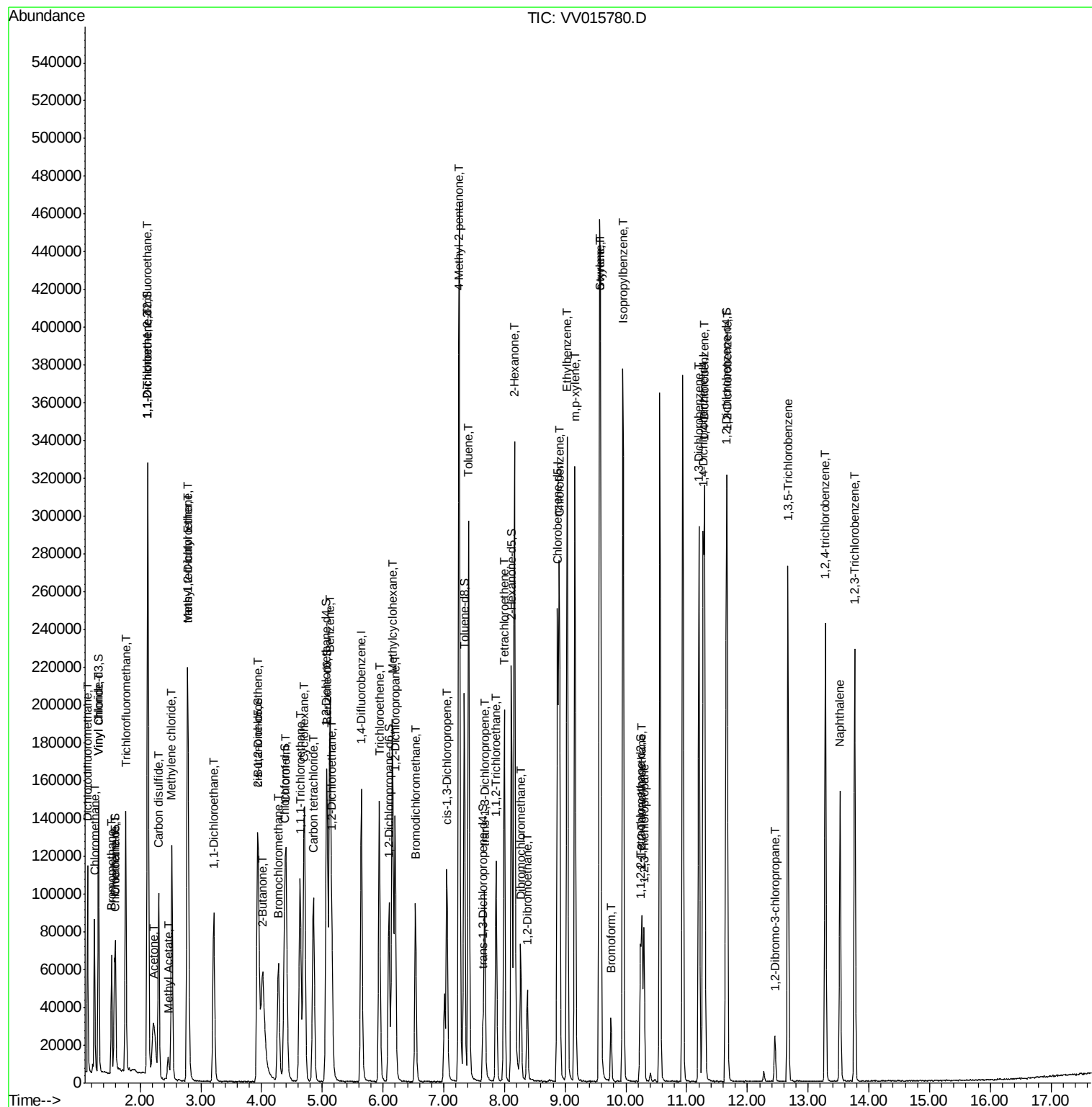
23) Bromochloromethane	4.28	128	20351	5.719	uq/L	96
25) Chloroform	4.40	83	100438	6.115	uq/L	95
27) 1,2-Dichloroethane	5.16	62	62360	5.779	uq/L	98
29) 1,1,1-Trichloroethane	4.63	97	82969	5.501	uq/L	99
30) Cyclohexane	4.70	56	75912	5.268	uq/L	99
31) Carbon tetrachloride	4.85	117	68377	5.474	uq/L	96
33) Benzene	5.13	78	189674	5.582	uq/L	100
34) Trichloroethene	5.94	95	51920	5.533	uq/L	97
35) Methylcyclohexane	6.15	83	72574	5.039	uq/L	99
37) 1,2-Dichloropropane	6.20	63	49174	5.693	uq/L	99
38) Bromodichloromethane	6.53	83	60953	5.557	uq/L #	99
39) cis-1,3-Dichloropropene	7.05	75	62575	5.197	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	318809	56.871	uq/L	100
42) Toluene	7.41	91	202995	5.591	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	51777	5.118	uq/L	97
45) 1,1,2-Trichloroethane	7.86	97	33703	5.725	uq/L	95
47) Tetrachloroethene	8.00	164	39867	5.900	uq/L	96
48) 2-Hexanone	8.16	43	227414	56.887	uq/L	99
49) Dibromochloromethane	8.27	129	34207	5.614	uq/L	95
50) 1,2-Dibromoethane	8.38	107	31019	5.697	uq/L	99
51) Chlorobenzene	8.90	112	129597	5.448	uq/L	96
52) Ethylbenzene	9.04	91	228862	5.447	uq/L	99
53) m,p-xylene	9.16	106	84698	5.503	uq/L	97
54) o-xylene	9.57	106	81866	5.497	uq/L	100
55) Styrene	9.58	104	143040	5.660	uq/L	100
56) Isopropylbenzene	9.95	105	229425	5.491	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	39433	5.736	uq/L	96
59) 1,2,3-Trichloropropane	10.30	75	30443	5.520	uq/L	99
61) Bromoform	9.76	173	14086	5.634	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	104509	5.452	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	105229	5.443	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	96637	5.574	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	5994	5.307	uq/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	72828	5.141	uq/L	97
68) 1,2,4-trichlorobenzene	13.29	180	65220	5.003	uq/L	99
69) Naphthalene	13.53	128	111746	4.789	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	59308	5.154	uq/L	99

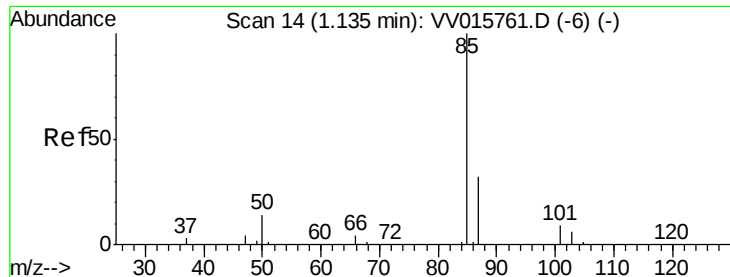
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.337 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :

MSVOA_V

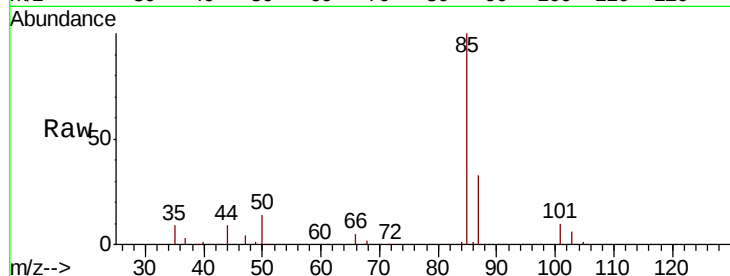
ClientSampleId :

Tot Ion: 85 Resp: 55273

Ion Ratio Lower Upper

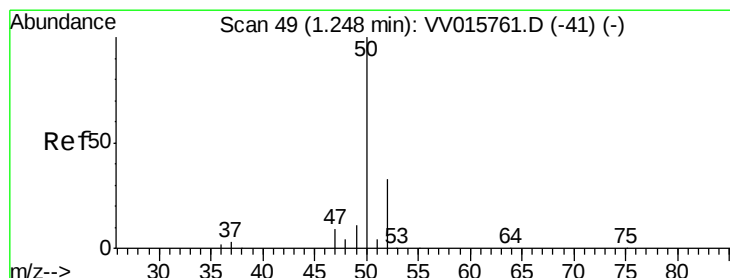
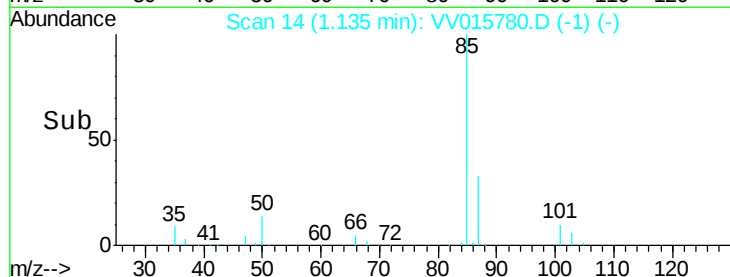
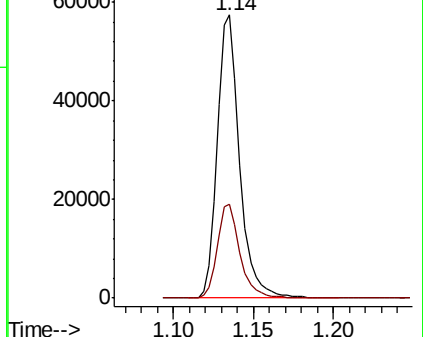
85 100

87 33.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015761.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015761.D (-6) (-)



#3

Chloromethane

Concen: 5.791 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015780.D

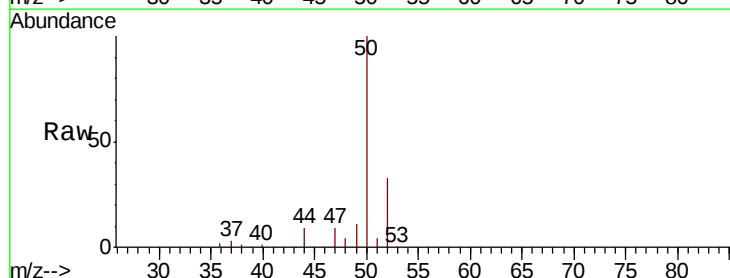
Acq: 29 Apr 2020 04:59

Tgt Ion: 50 Resp: 51884

Ion Ratio Lower Upper

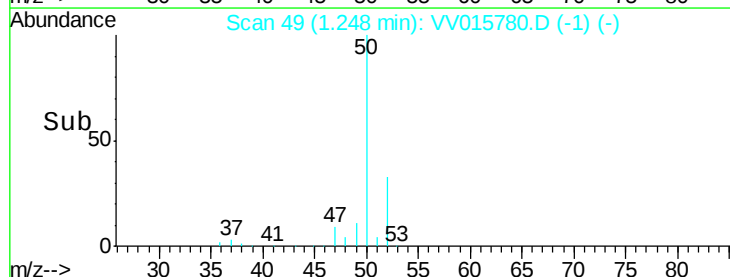
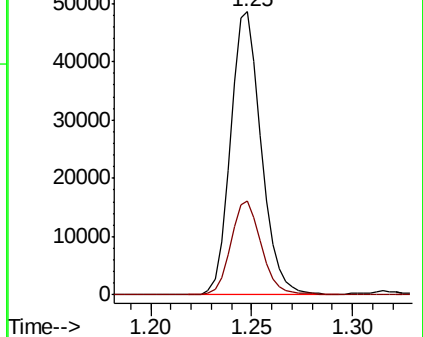
50 100

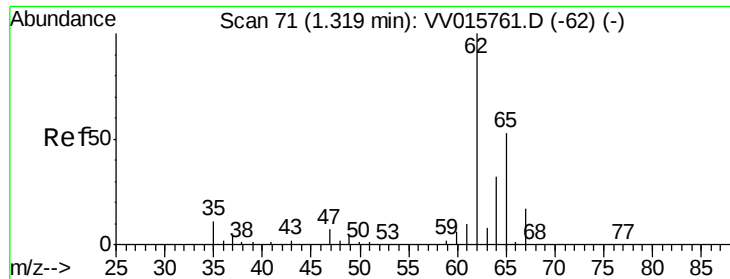
52 33.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015761.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV015761.D (-41) (-)





#5

Vinyl chloride

Concen: 5.665 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

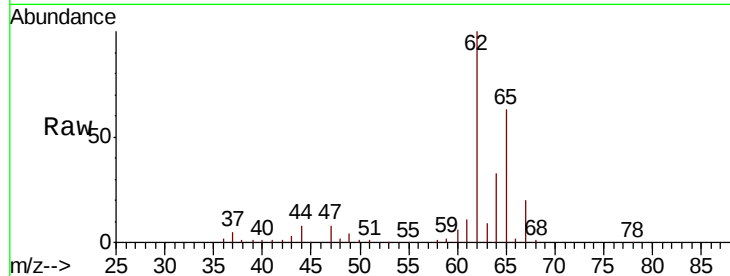
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 54212

Ion Ratio Lower Upper

62 100

64 32.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

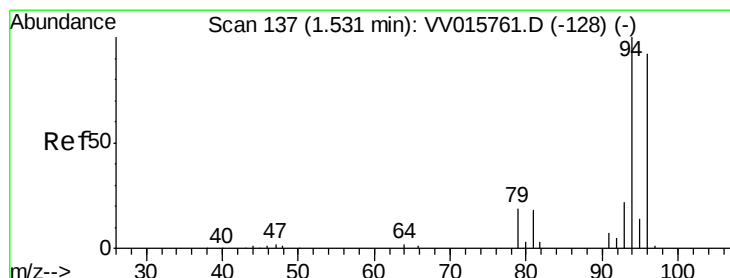
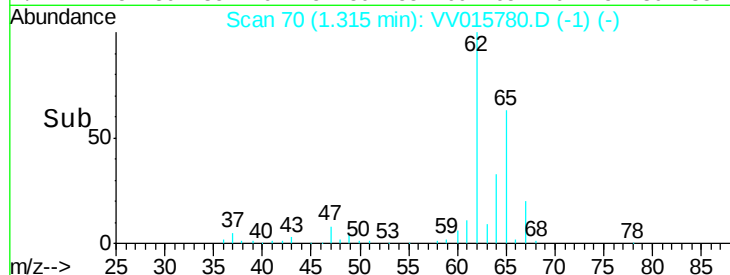
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 6.089 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015780.D

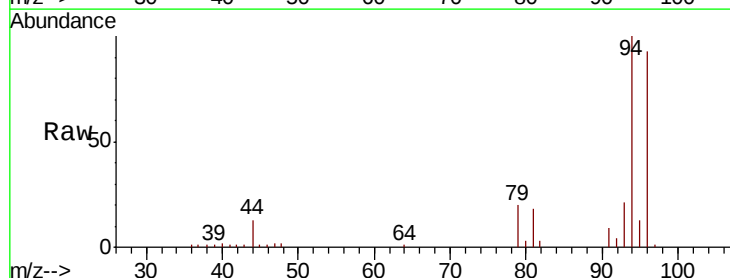
Acq: 29 Apr 2020 04:59

Tgt Ion: 94 Resp: 25016

Ion Ratio Lower Upper

94 100

96 93.0 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

25000

20000

15000

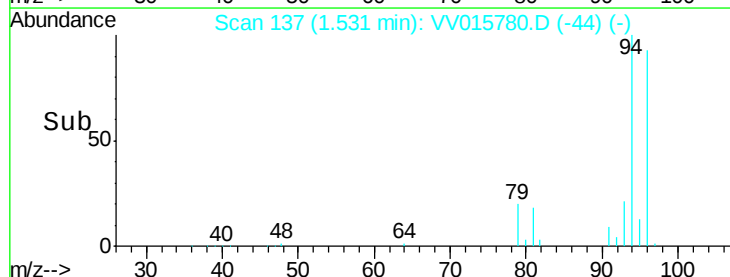
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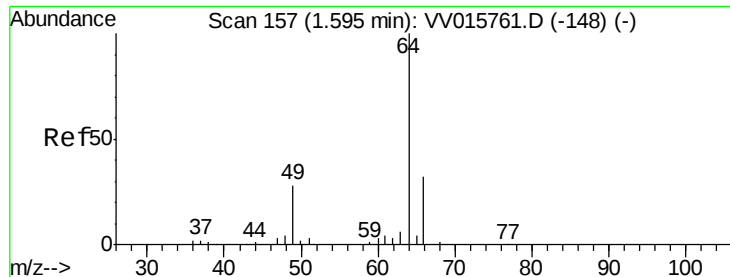
5000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 6.034 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

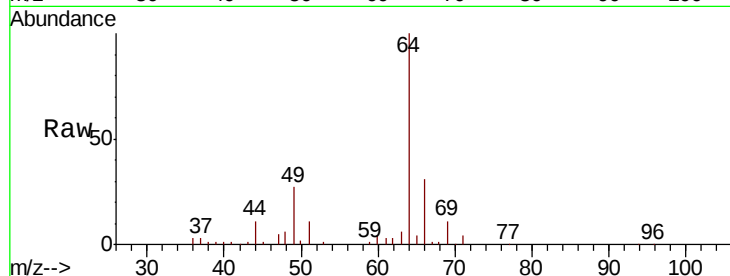
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 37926

Ion Ratio Lower Upper

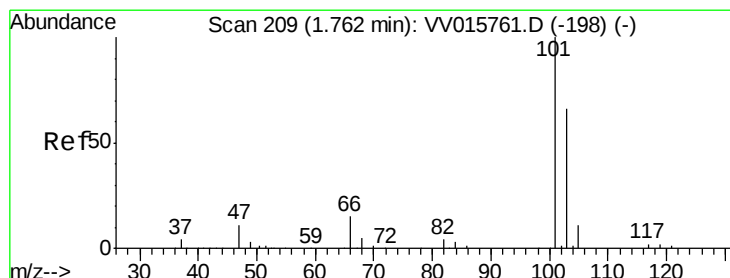
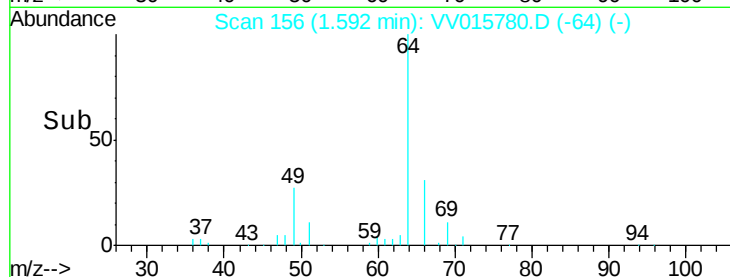
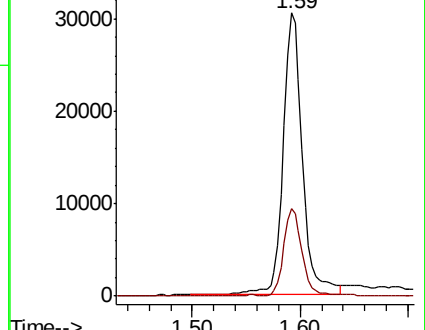
64 100

66 30.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015780.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV015780.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 5.807 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015780.D

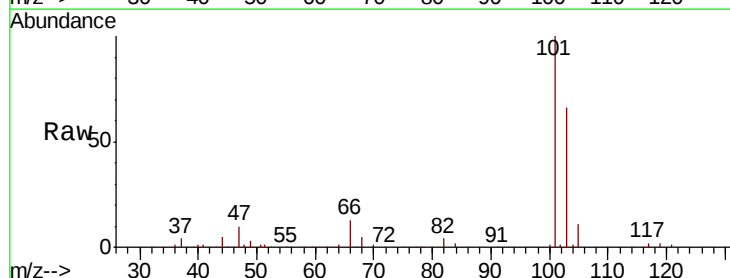
Acq: 29 Apr 2020 04:59

Tgt Ion:101 Resp: 77987

Ion Ratio Lower Upper

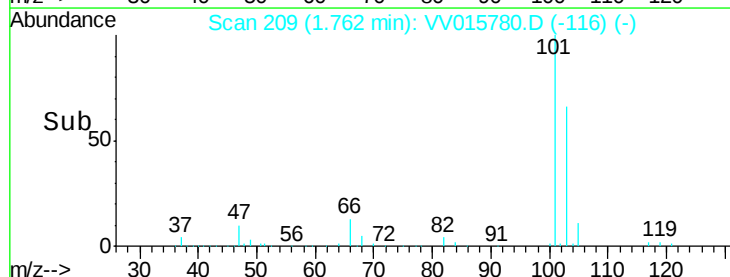
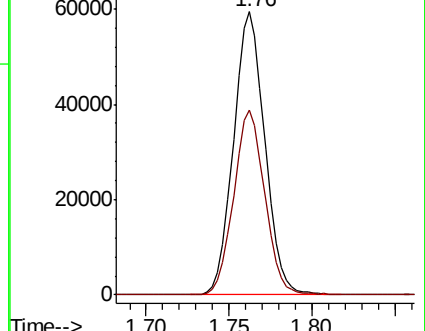
101 100

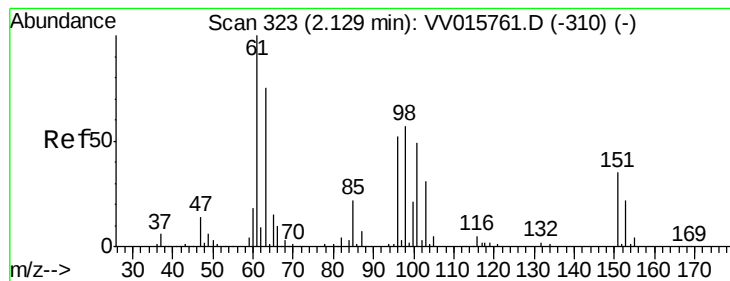
103 64.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015780.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VV015780.D (-103) (-)





#10

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

Concen: 5.650 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :

MSVOA_V

ClientSampled :

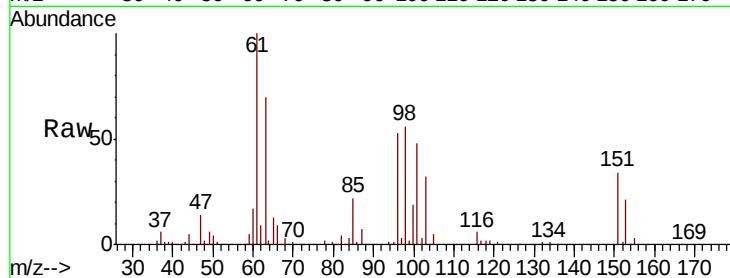
Tot Ion:101 Resp: 42930

Ion Ratio Lower Upper

101 100

85 45.9 36.1 54.1

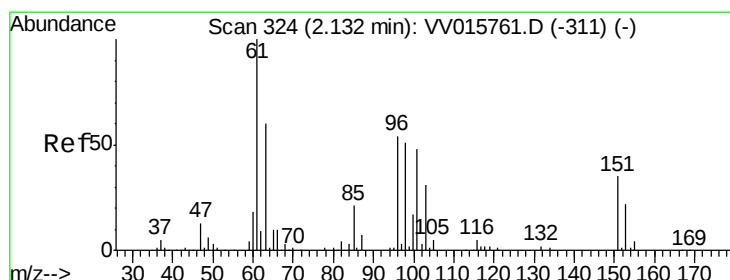
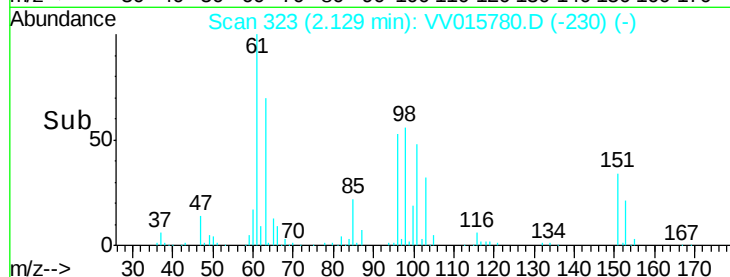
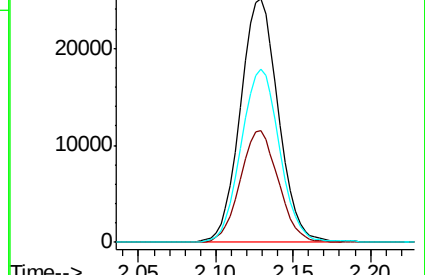
151 72.3 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015780.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015780.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015780.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.701 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

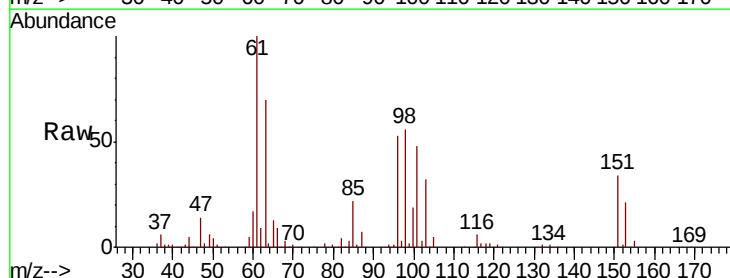
Tgt Ion: 96 Resp: 40122

Ion Ratio Lower Upper

96 100

61 190.3 130.1 241.7

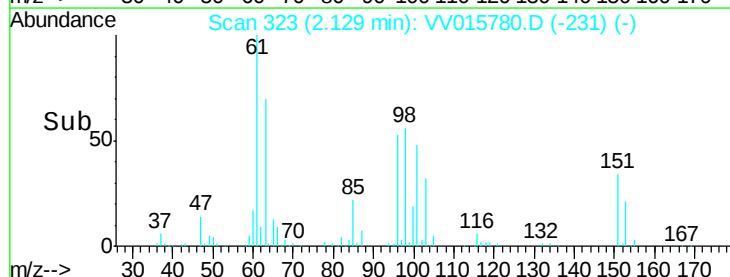
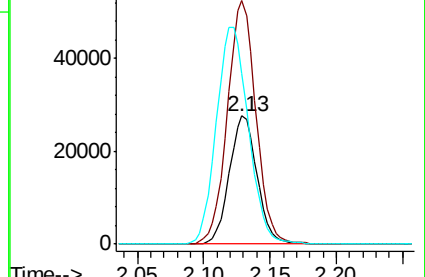
63 132.9 91.4 169.8

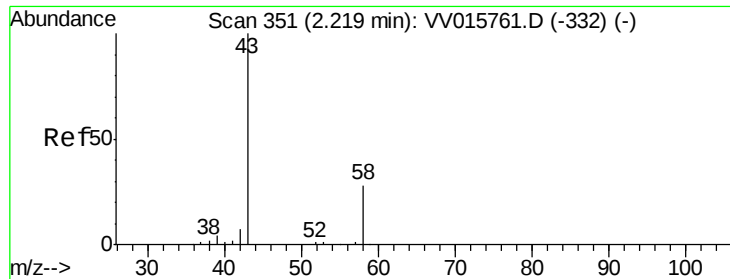


Abundance Ion 96.00 (95.70 to 96.70): VV015780.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV015780.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015780.D (-231) (-)





#13

Acetone

Concen: 57.355 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

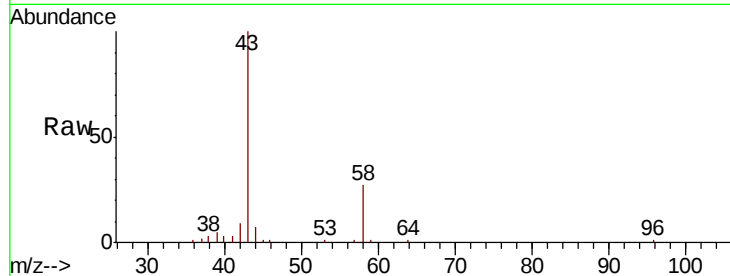
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 80806

Ion Ratio Lower Upper

43 100

58 27.4 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015780.D (-258) (-)

Ion 58.05 (57.75 to 58.75): VV015780.D (-258) (-)

2.22

20000

15000

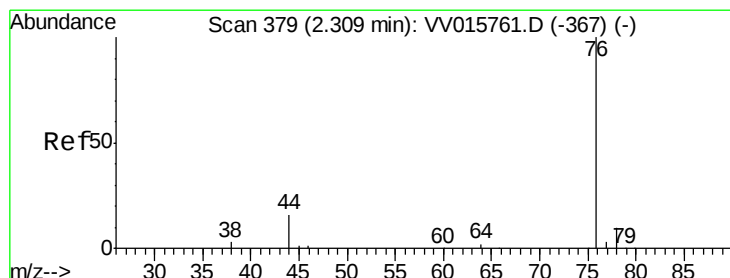
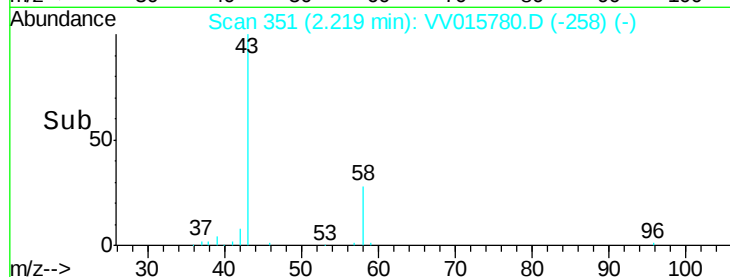
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.324 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015780.D

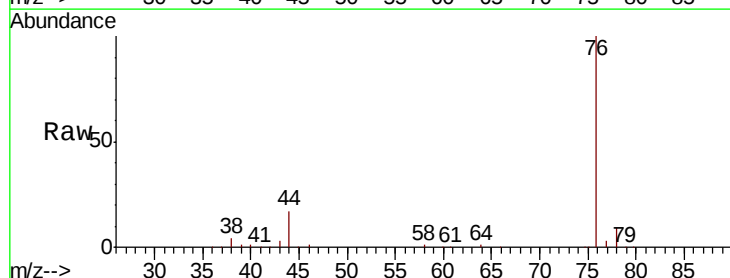
Acq: 29 Apr 2020 04:59

Tgt Ion: 76 Resp: 105915

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015780.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV015780.D (-286) (-)

2.31

80000

60000

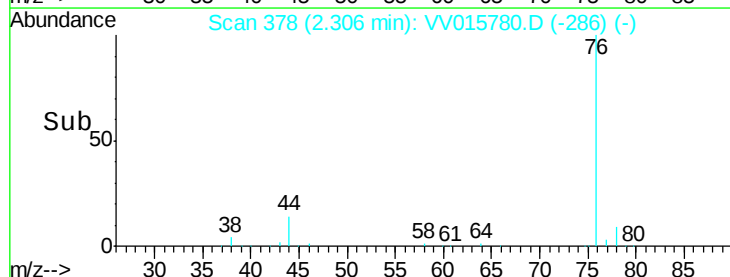
40000

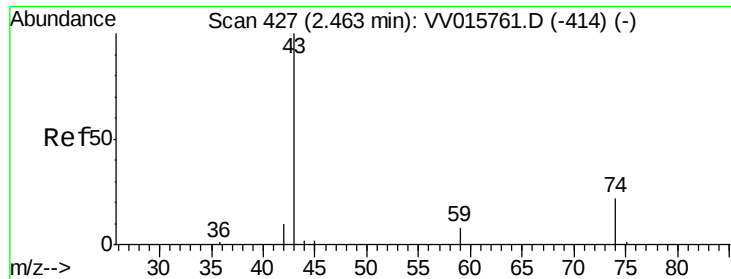
20000

0

Time-->

2.25 2.30 2.35 2.40

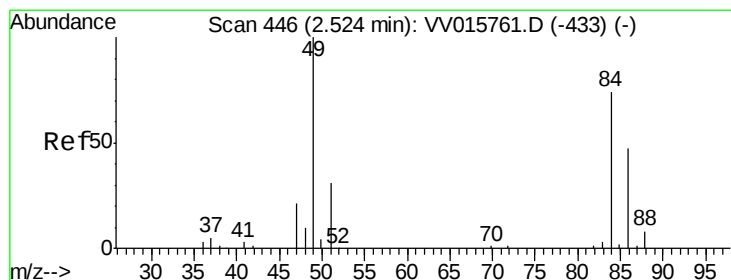
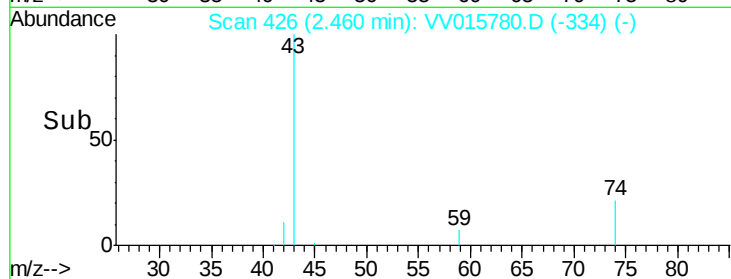
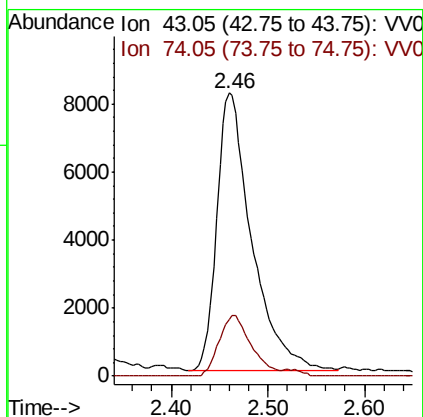
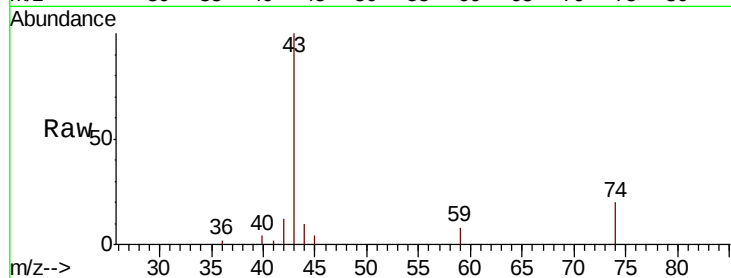




#15
Methvl Acetate
Concen: 6.115 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

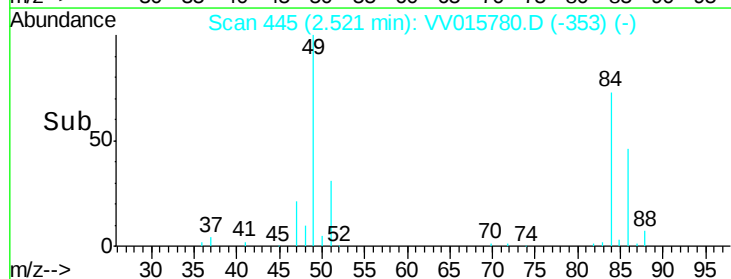
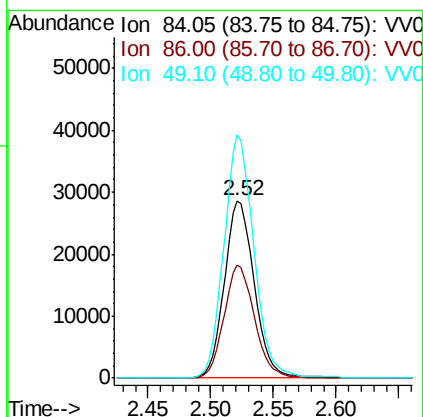
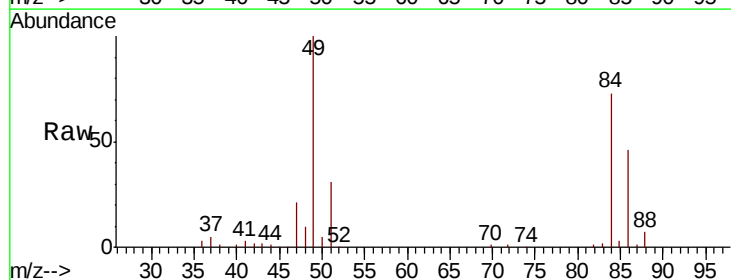
Instrument :
MSVOA_V
ClientSampleId :

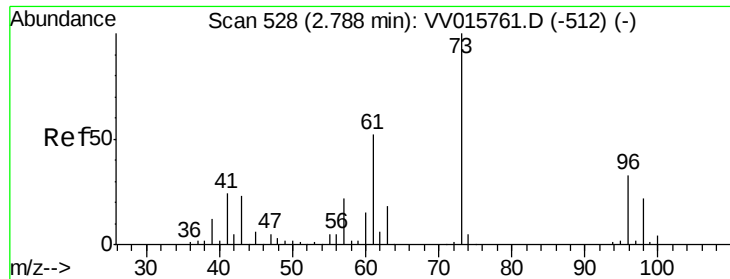
Tot Ion: 43 Resp: 20489
Ion Ratio Lower Upper
43 100
74 20.3 16.3 24.5



#16
Methylene chloride
Concen: 5.453 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Tgt Ion: 84 Resp: 47381
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.7
49 137.5 94.4 175.4

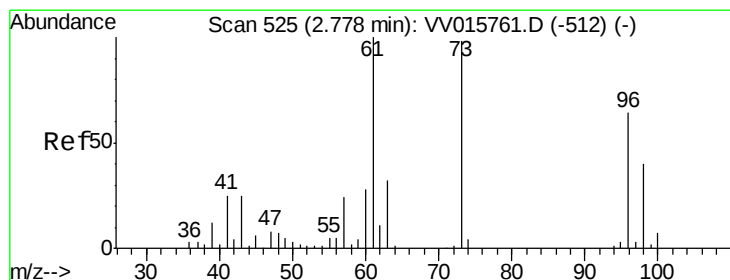
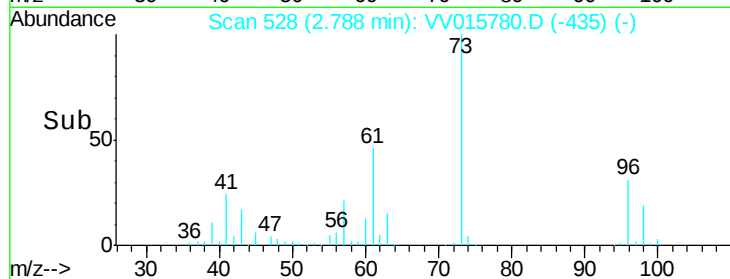
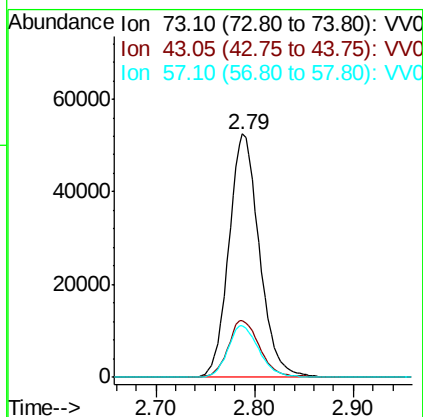
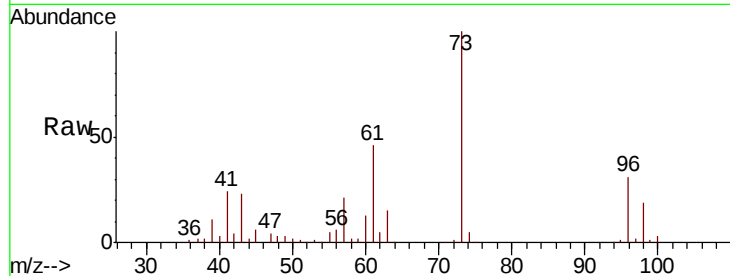




#17
Methvl tert-butvl Ether
Concen: 5.737 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

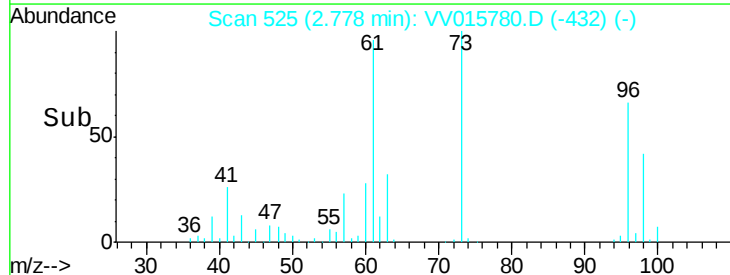
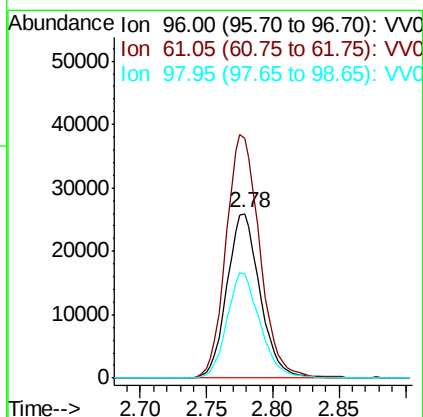
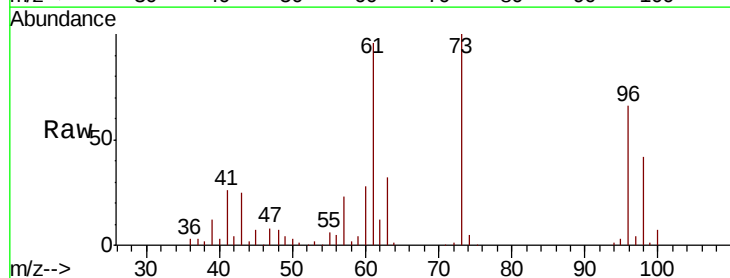
Instrument :
MSVOA_V
ClientSampleId :

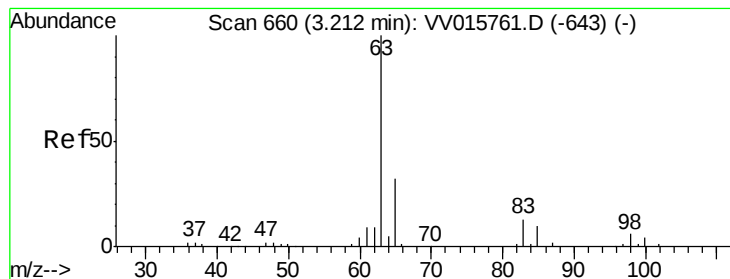
Tot Ion: 73 Resp: 113330
Ion Ratio Lower Upper
73 100
43 24.4 20.1 30.1
57 21.7 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.716 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Tgt Ion: 96 Resp: 45039
Ion Ratio Lower Upper
96 100
61 145.5 105.5 195.9
98 63.3 44.2 82.0





#19

1,1-Dichloroethane

Concen: 5.887 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :

MSVOA_V

ClientSampled :

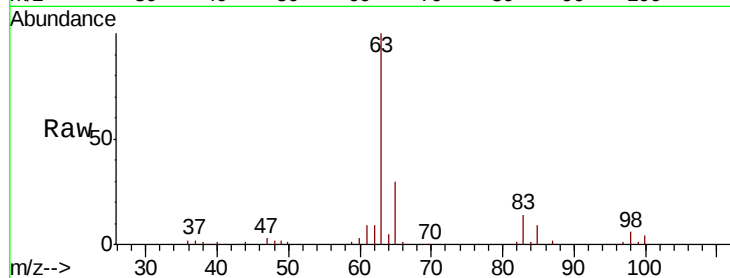
Tot Ion: 63 Resp: 91082

Ion Ratio Lower Upper

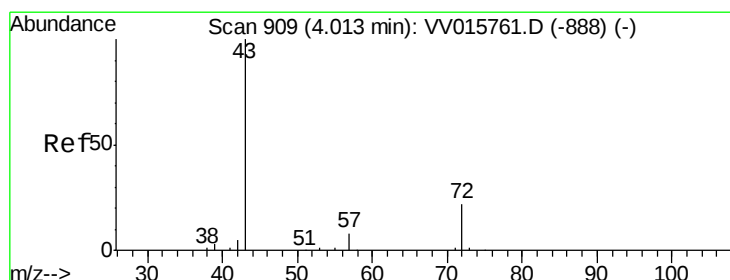
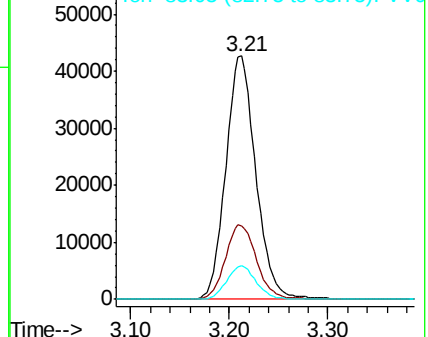
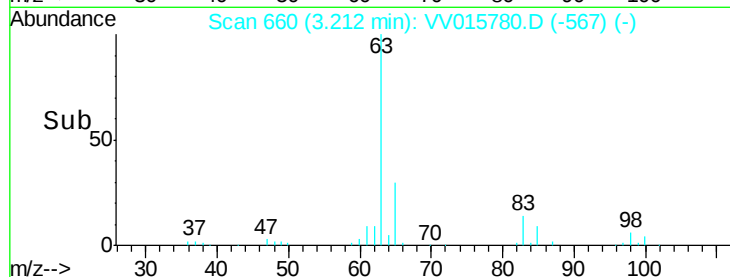
63 100

65 30.3 22.3 41.3

83 13.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV015780.D (-567) (-)



#21

2-Butanone

Concen: 58.297 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VV015780.D

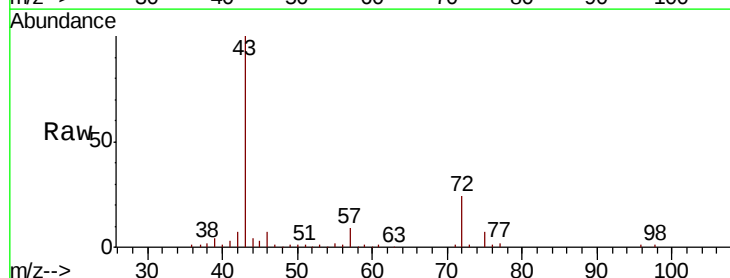
Acq: 29 Apr 2020 04:59

Tgt Ion: 43 Resp: 126689

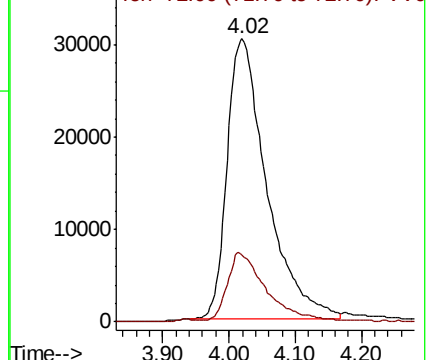
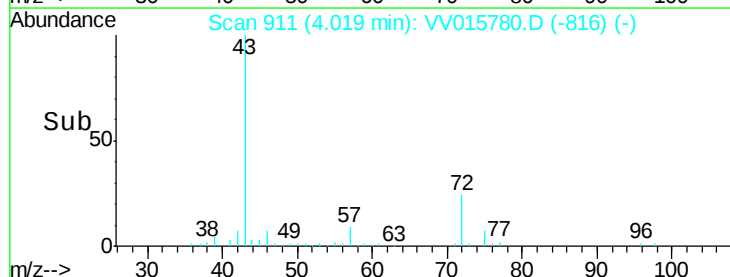
Ion Ratio Lower Upper

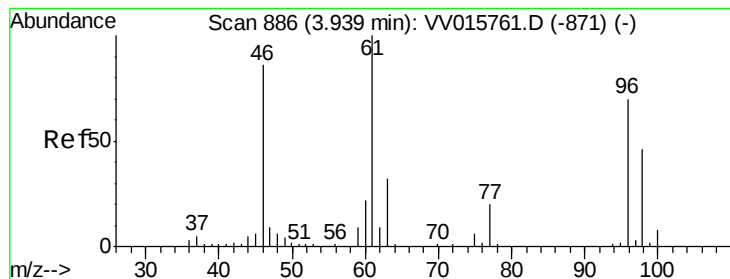
43 100

72 23.5 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015780.D (-816) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.552 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :
MSVOA_V
ClientSampleId :

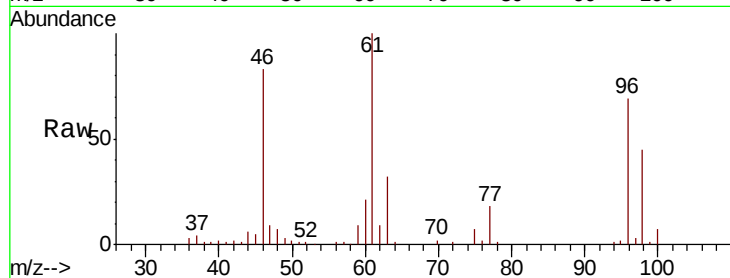
Tot Ion: 96 Resp: 48372

Ion Ratio Lower Upper

96 100

61 144.1 96.4 179.0

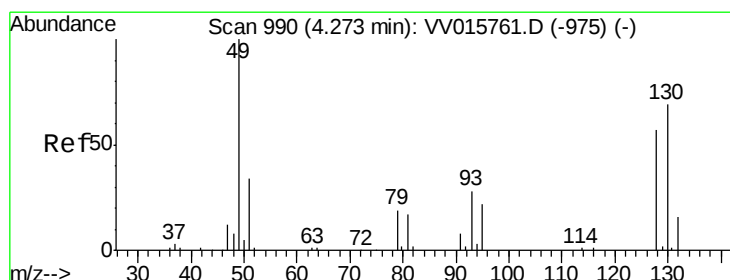
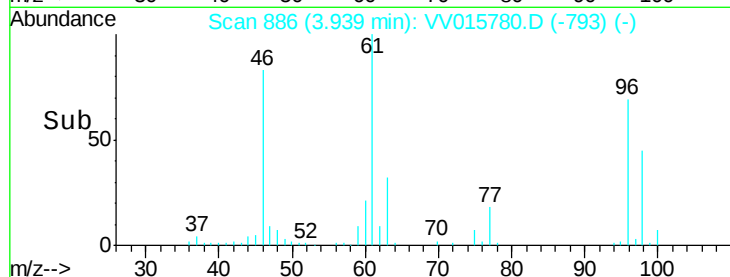
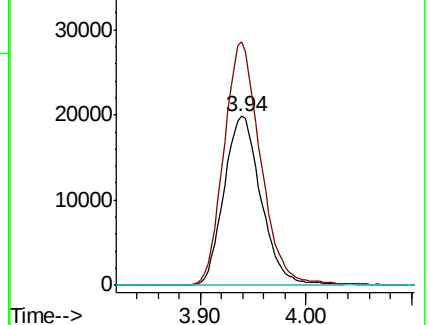
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015780.D (-793) (-)

Ion 61.05 (60.75 to 61.75): VV015780.D (-793) (-)

Ion 68.15 (67.85 to 68.85): VV015780.D (-793) (-)



#23

Bromochloromethane

Concen: 5.719 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Tgt Ion: 128 Resp: 20351

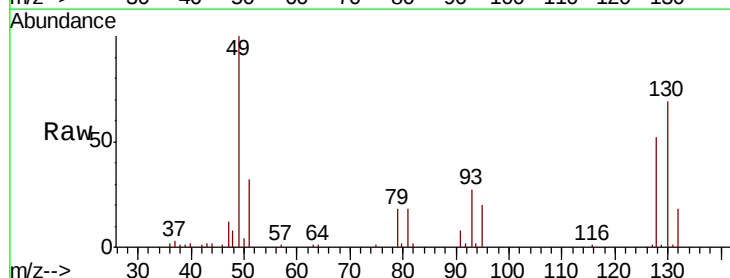
Ion Ratio Lower Upper

128 100

49 192.5 130.8 242.8

130 132.3 91.1 169.3

51 61.3 45.2 67.8

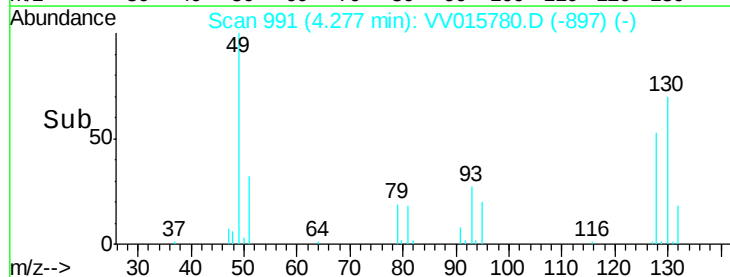
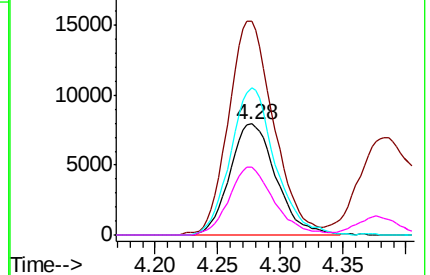


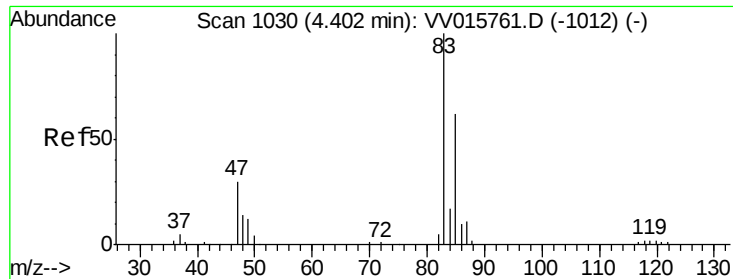
Abundance Ion 127.90 (127.60 to 128.60): VV015780.D (-897) (-)

Ion 49.10 (48.80 to 49.80): VV015780.D (-897) (-)

Ion 129.95 (129.65 to 130.65): VV015780.D (-897) (-)

Ion 51.05 (50.75 to 51.75): VV015780.D (-897) (-)

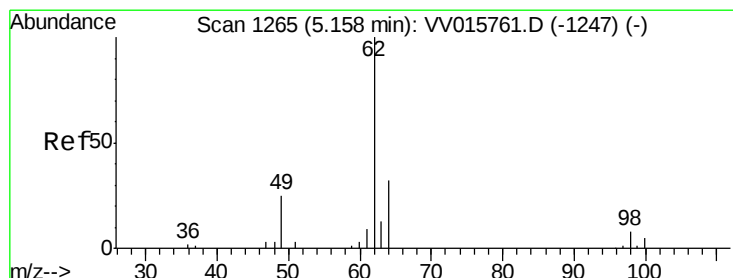
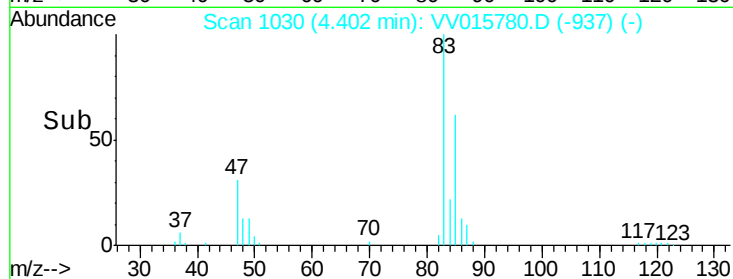
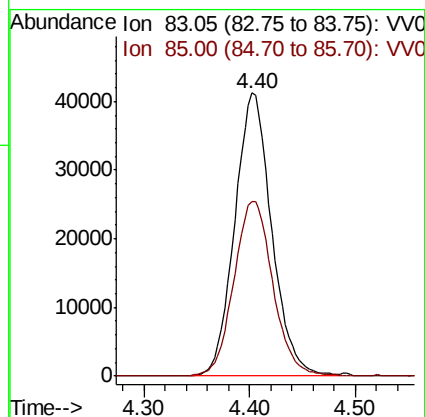
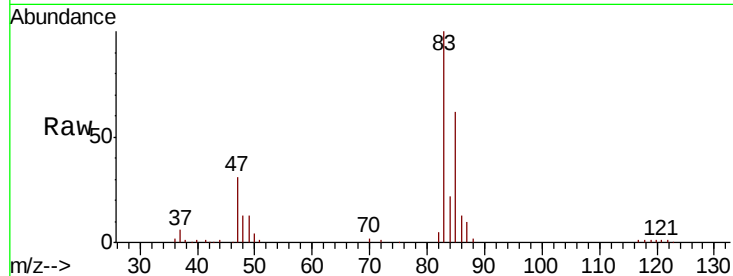




#25
Chloroform
Concen: 6.115 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

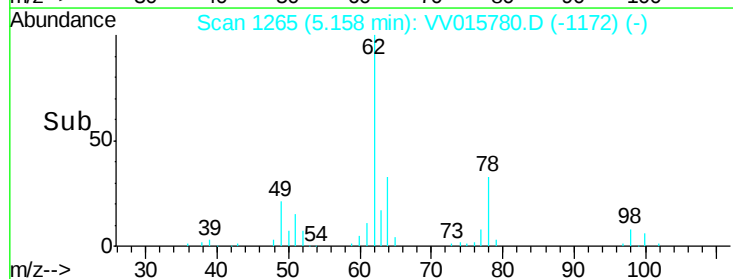
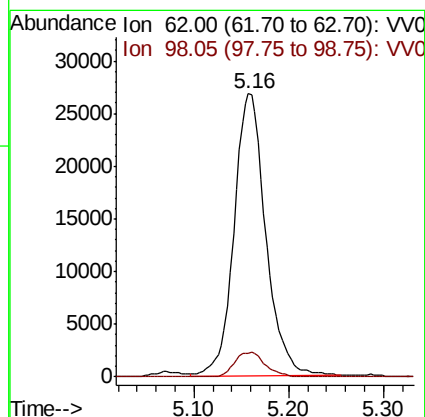
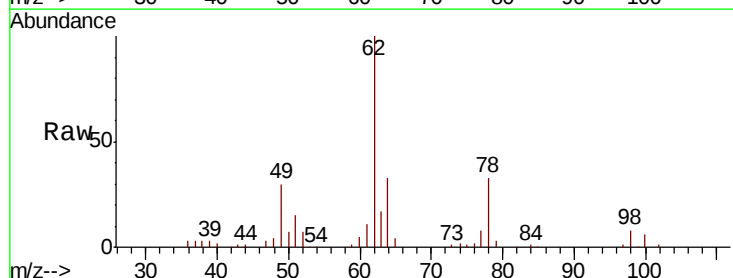
Instrument :
MSVOA_V
ClientSampleId :

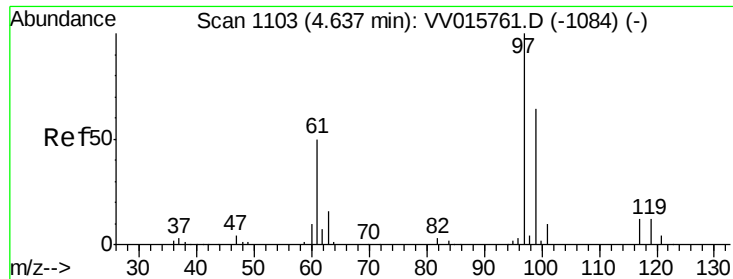
Tot Ion: 83 Resp: 100438
Ion Ratio Lower Upper
83 100
85 61.7 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.779 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Tgt Ion: 62 Resp: 62360
Ion Ratio Lower Upper
62 100
98 8.5 6.3 9.5

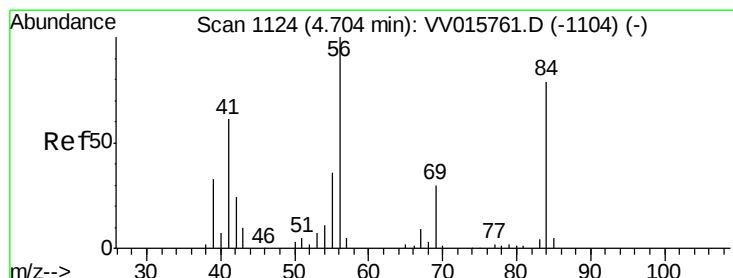
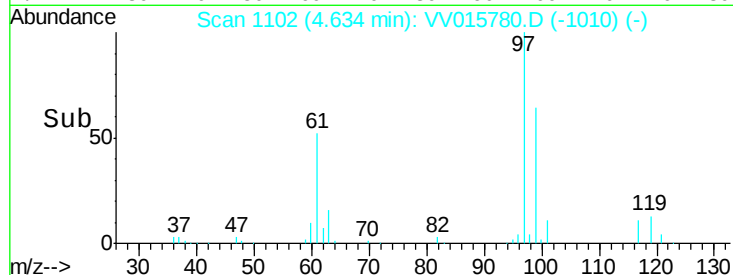
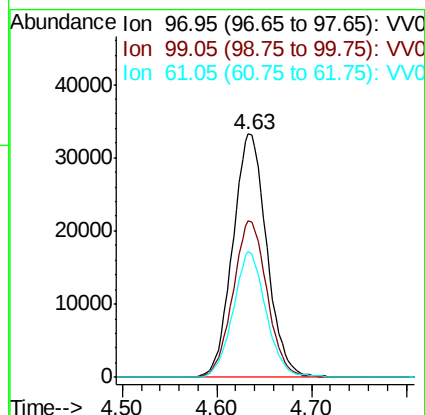
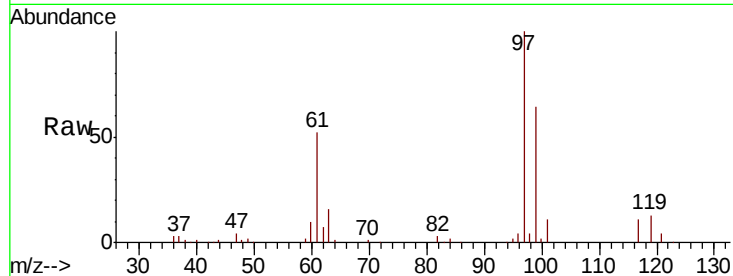




#29
 1,1,1-Trichloroethane
 Concen: 5.501 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

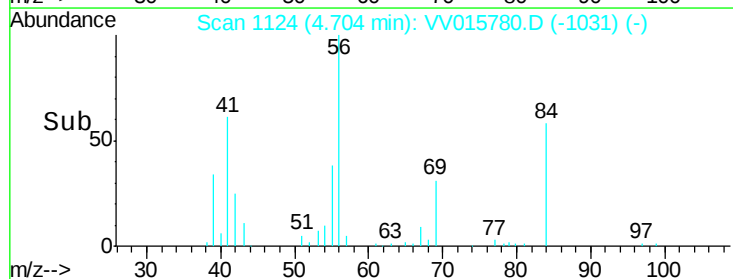
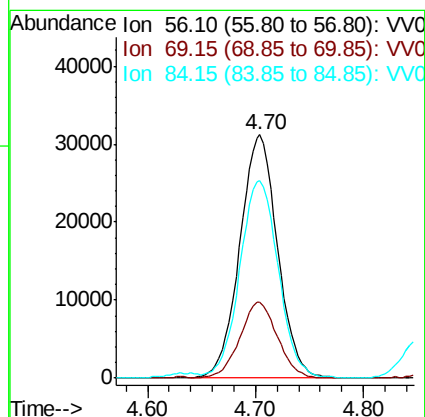
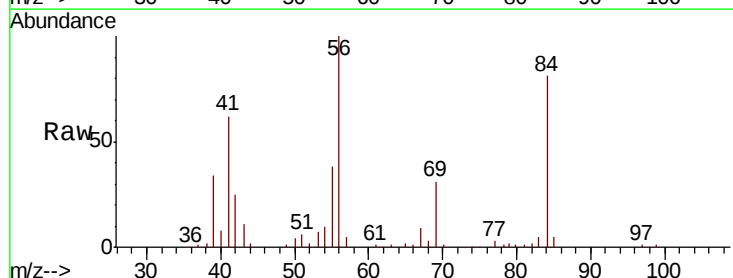
Instrument :
 MSVOA_V
 ClientSampled :

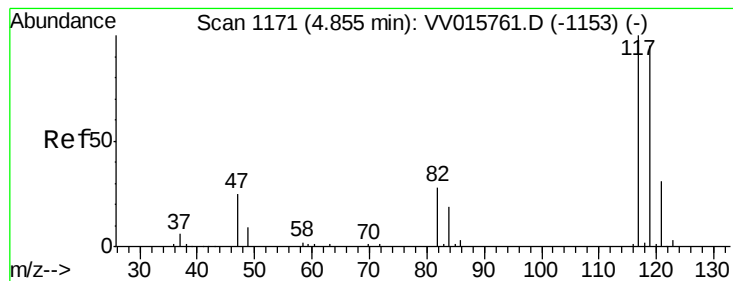
Tot Ion: 97 Resp: 82969
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.6 77.4
 61 50.2 38.6 57.8



#30
 Cyclohexane
 Concen: 5.268 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

Tgt Ion: 56 Resp: 75912
 Ion Ratio Lower Upper
 56 100
 69 31.2 23.9 35.9
 84 83.3 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.474 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :

MSVOA_V

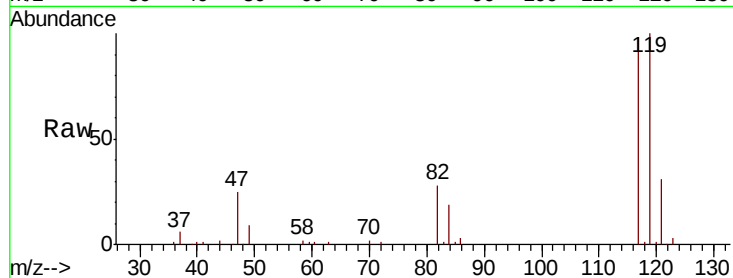
ClientSampleId :

Tot Ion:117 Resp: 68377

Ion Ratio Lower Upper

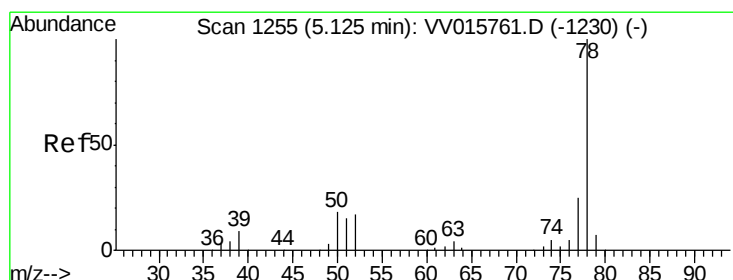
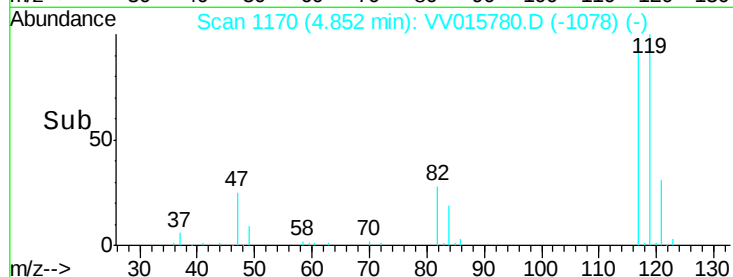
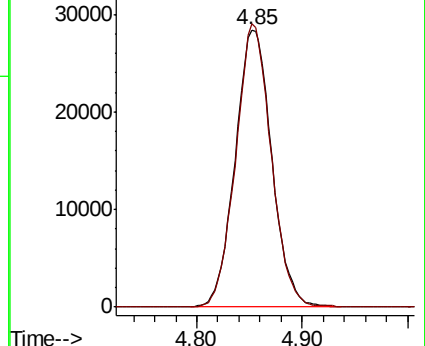
117 100

119 98.8 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.582 ug/L

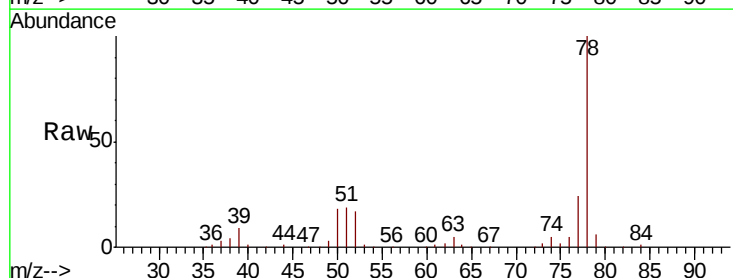
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

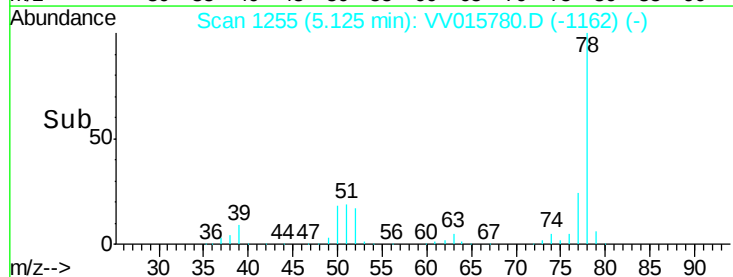
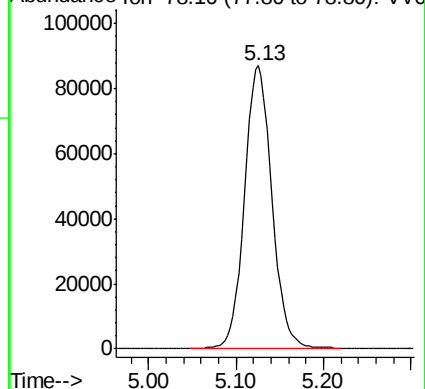
Lab File: VV015780.D

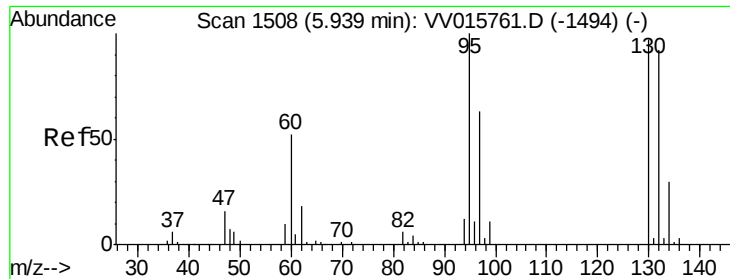
Acq: 29 Apr 2020 04:59

Tgt Ion: 78 Resp: 189674



Abundance Ion 78.10 (77.80 to 78.80): VV0

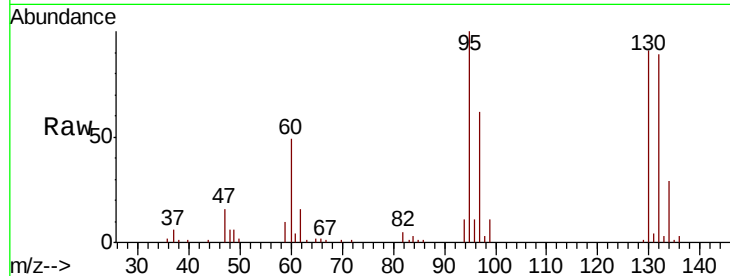




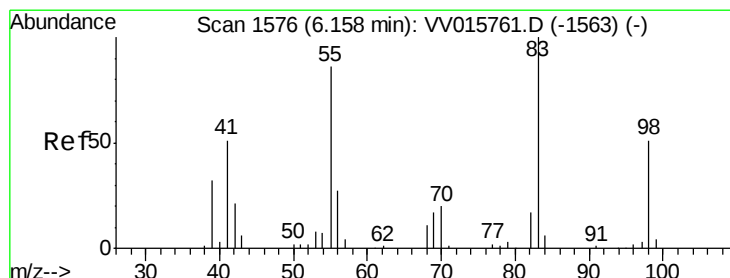
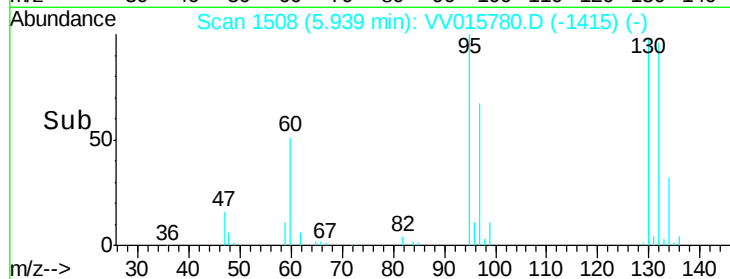
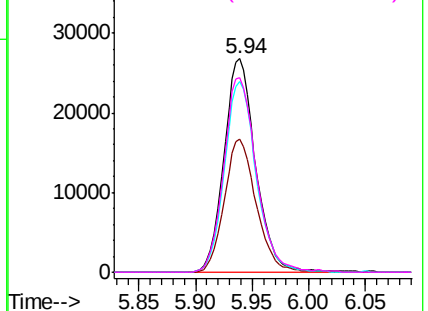
#34
 Trichloroethene
 Concen: 5.533 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 51920
 Ion Ratio Lower Upper
 95 100
 97 62.1 44.7 82.9
 132 89.2 65.2 121.0
 130 90.9 65.0 120.6

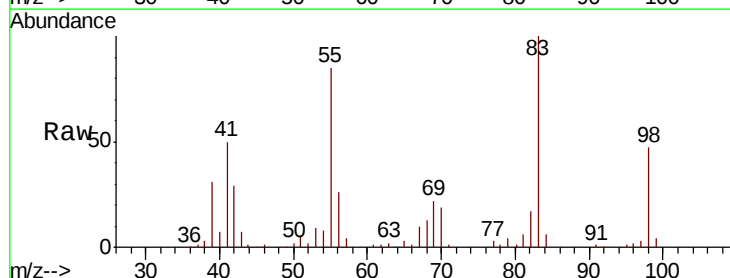


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

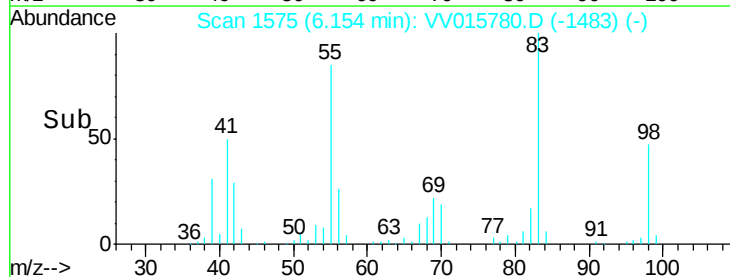
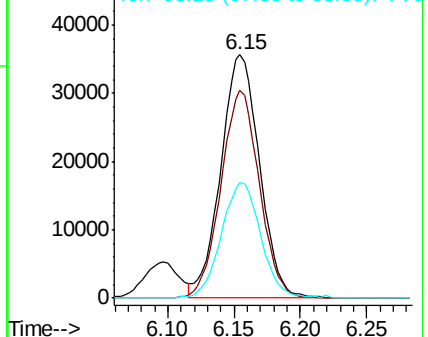


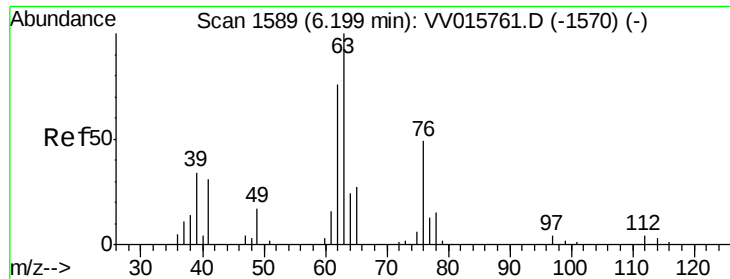
#35
 Methylcyclohexane
 Concen: 5.039 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

Tgt Ion: 83 Resp: 72574
 Ion Ratio Lower Upper
 83 100
 55 84.3 66.6 99.8
 98 48.2 39.5 59.3



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

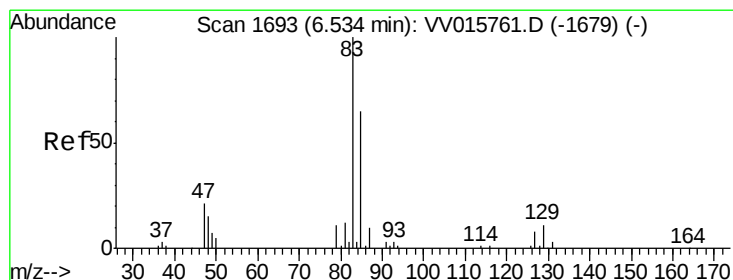
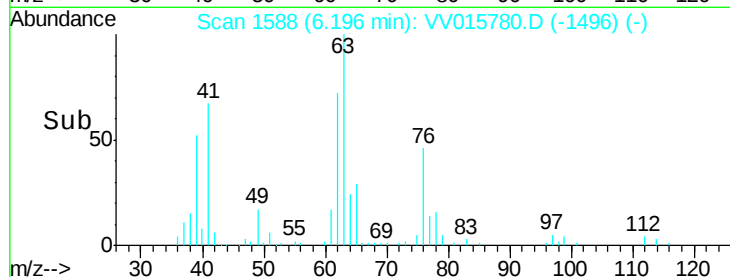
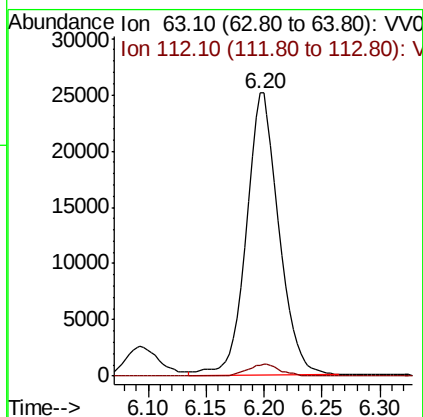
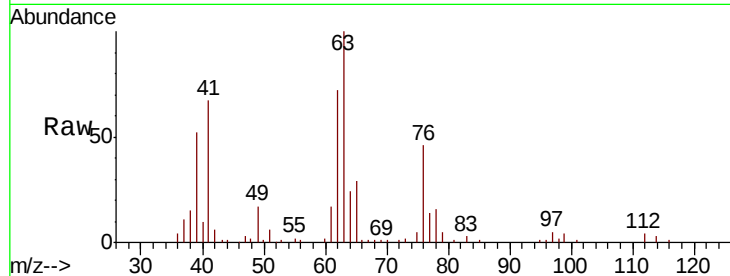




#37
 1,2-Dichloropropane
 Concen: 5.693 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

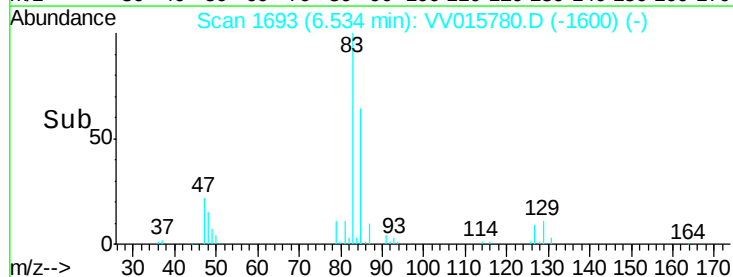
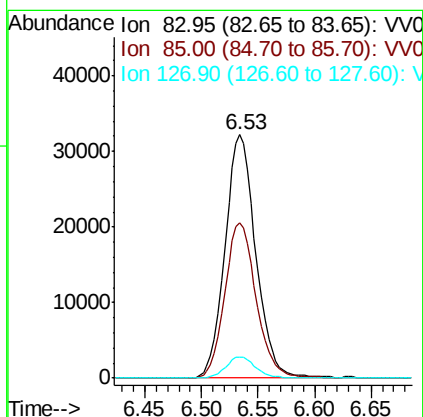
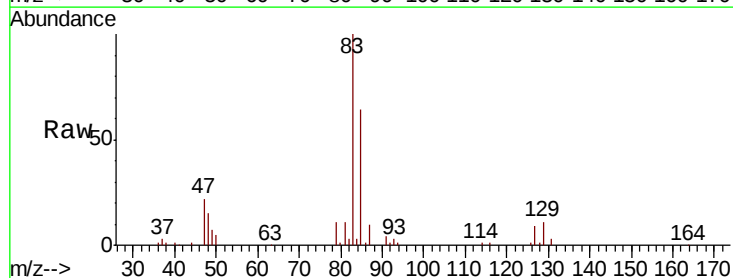
Instrument :
 MSVOA_V
 ClientSampleId :

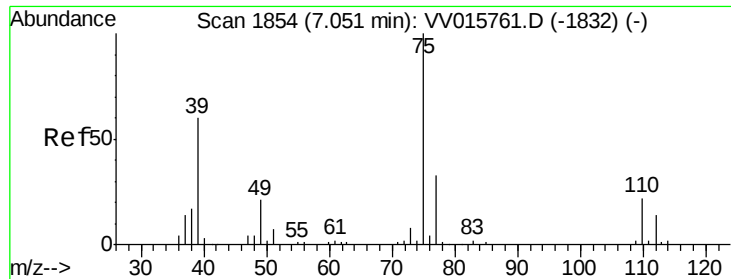
Tot Ion: 63 Resp: 49174
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.557 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

Tgt Ion: 83 Resp: 60953
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 8.8 5.8 8.6#

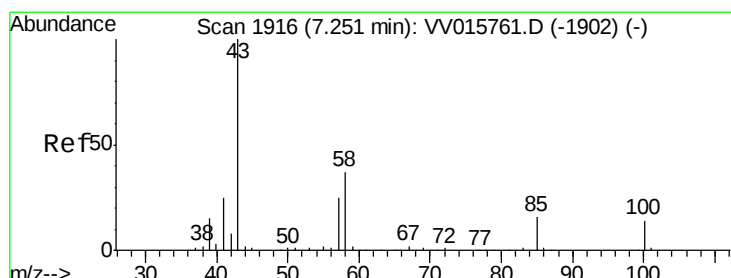
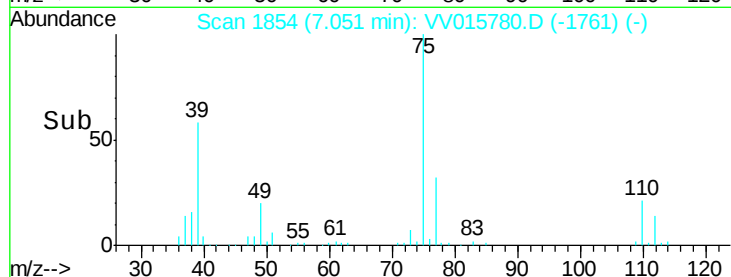
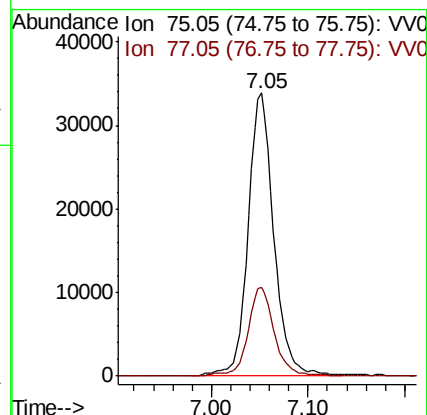
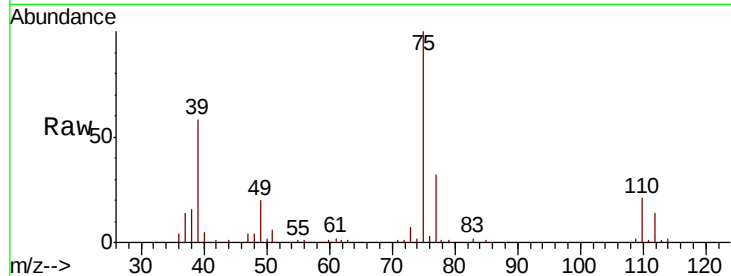




#39
 cis-1,3-Dichloropropene
 Concen: 5.197 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

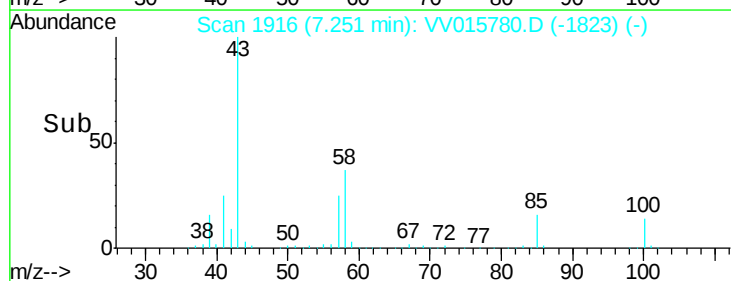
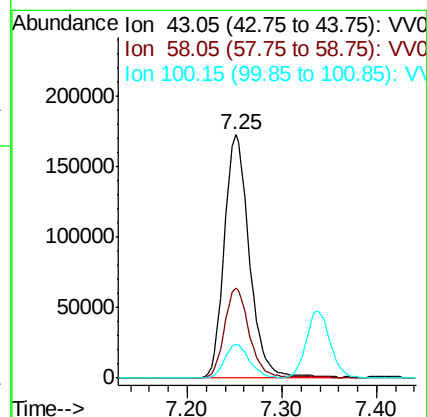
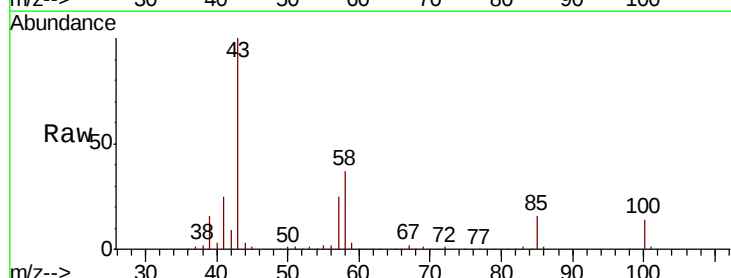
Instrument :
 MSVOA_V
 ClientSampleId :

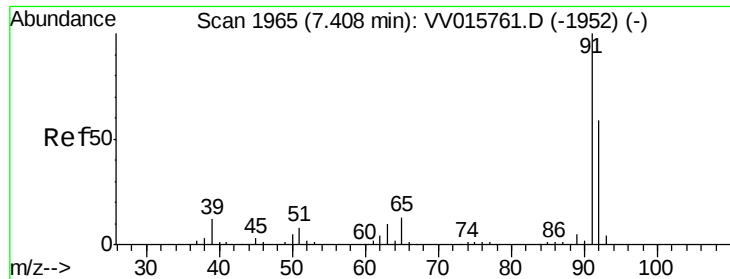
Tot Ion: 75 Resp: 62575
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 56.871 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

Tgt Ion: 43 Resp: 318809
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.2 43.8
 100 13.8 11.4 17.2





#42

Toluene

Concen: 5.591 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

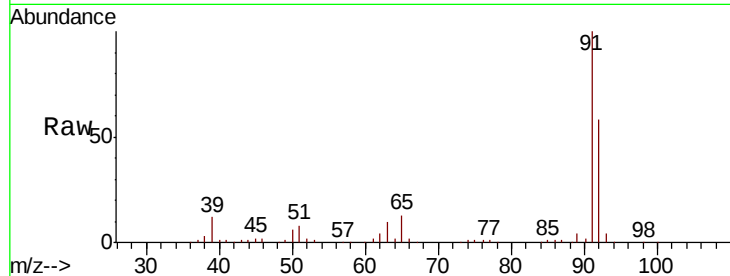
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 202995

Ion Ratio Lower Upper

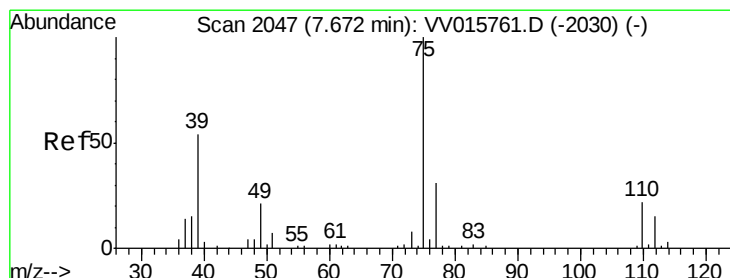
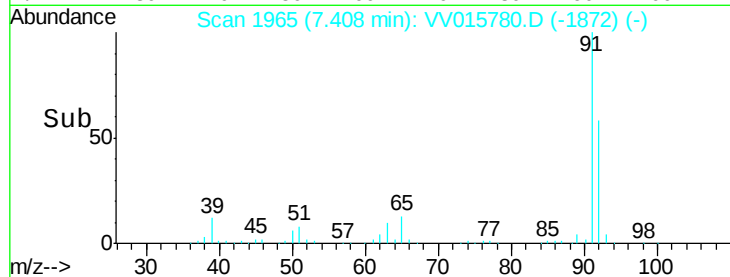
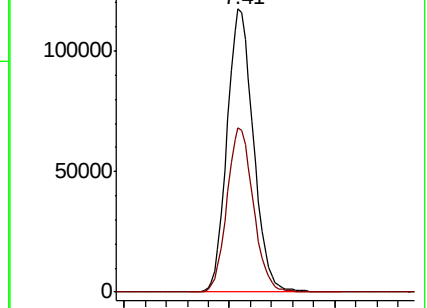
91 100

92 58.0 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.118 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015780.D

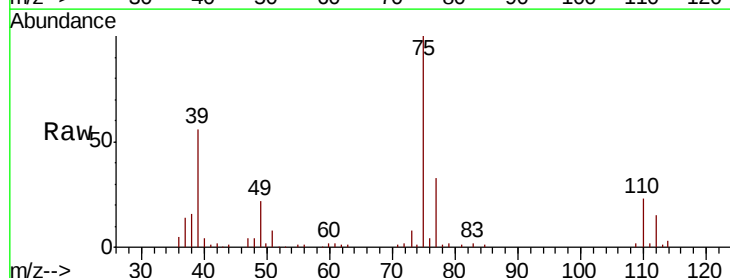
Acq: 29 Apr 2020 04:59

Tgt Ion: 75 Resp: 51777

Ion Ratio Lower Upper

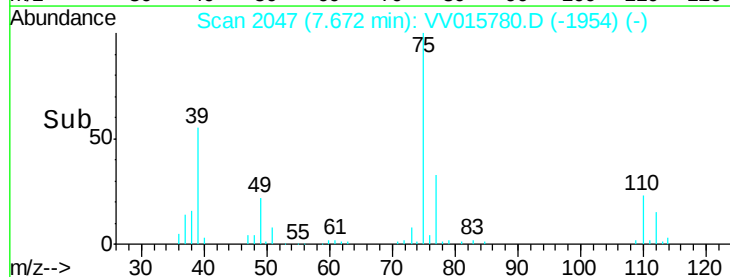
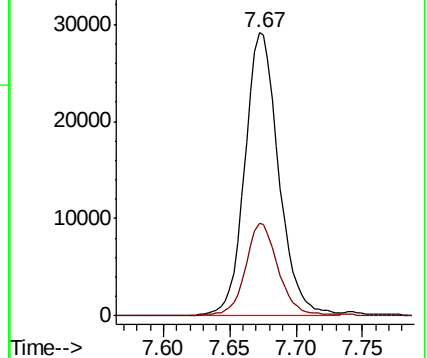
75 100

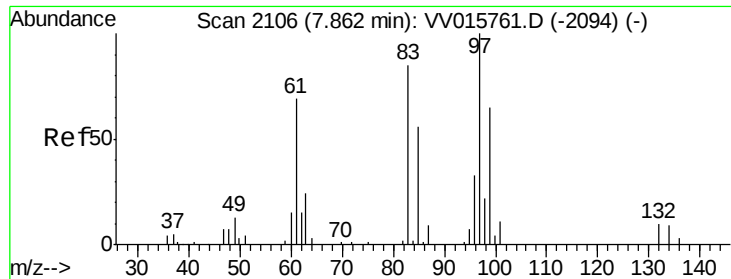
77 32.7 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

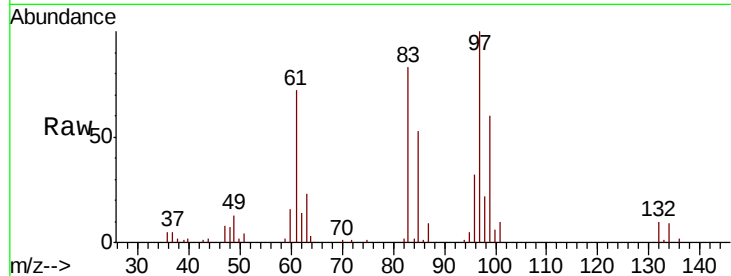




#45
1,1,2-Trichloroethane
Concen: 5.725 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	33703
Ion	Ratio	Lower	Upper
97	100		
99	60.3	45.4	84.4
83	83.0	61.3	113.9
85	52.6	38.4	71.4



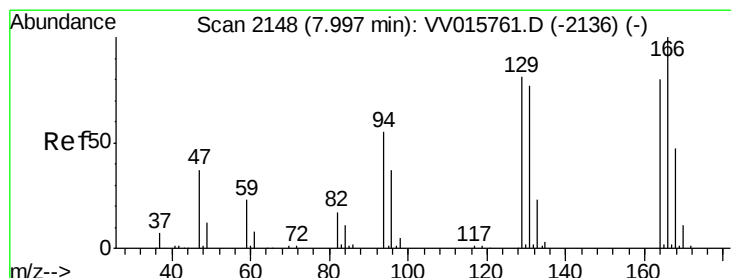
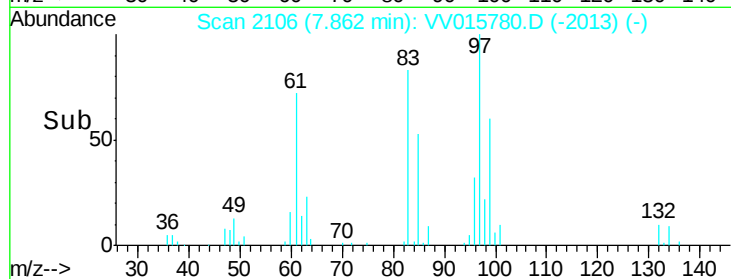
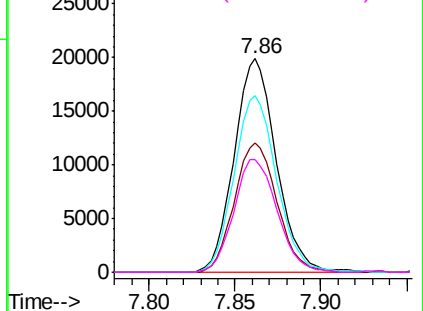
Abundance

Ion 96.95 (96.65 to 97.65): VV015780.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV015780.D (-2013) (-)

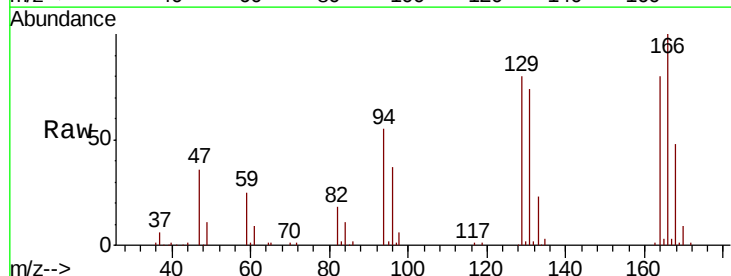
Ion 82.95 (82.65 to 83.65): VV015780.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV015780.D (-2013) (-)



#47
Tetrachloroethene
Concen: 5.900 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Tgt Ion:	164	Resp:	39867
Ion	Ratio	Lower	Upper
164	100		
129	100.4	66.7	123.9
131	93.0	66.6	123.6
166	125.5	85.3	158.5



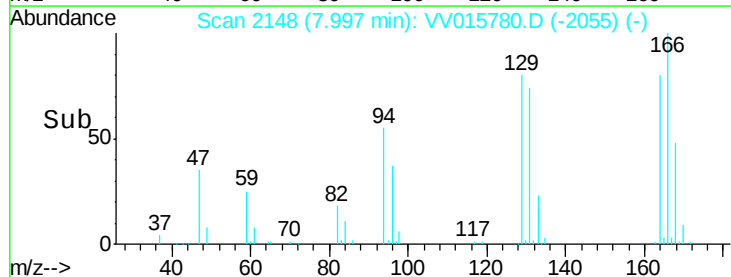
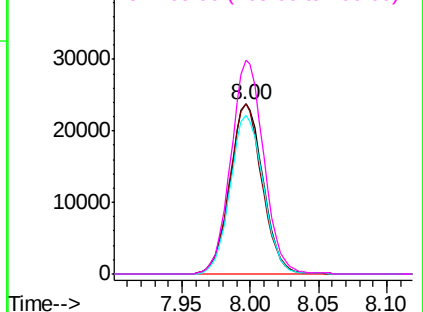
Abundance

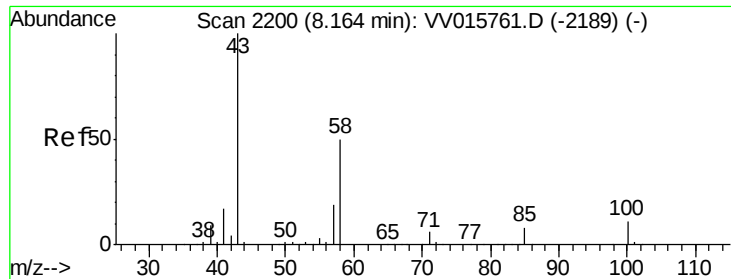
Ion 163.90 (163.60 to 164.60): VV015780.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV015780.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV015780.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV015780.D (-2055) (-)

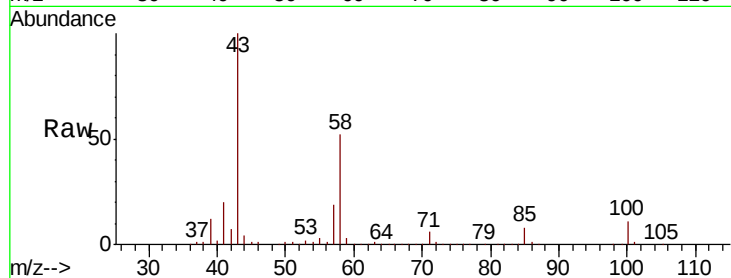




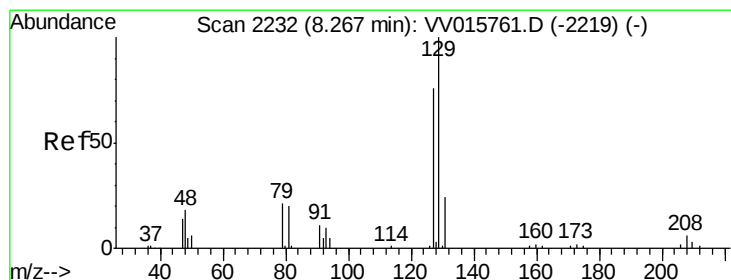
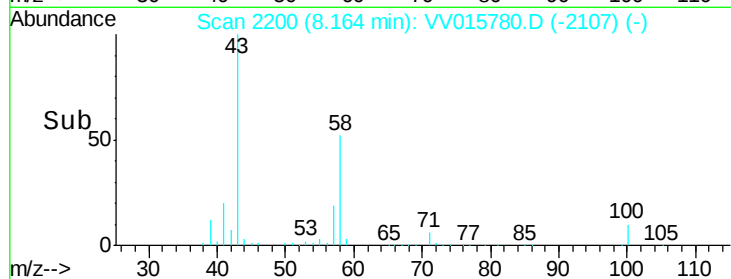
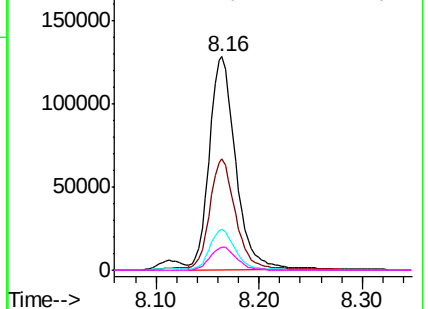
#48
2-Hexanone
Concen: 56.887 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 227414
Ion Ratio Lower Upper
43 100
58 51.0 41.1 61.7
57 18.4 15.0 22.4
100 10.9 9.0 13.4

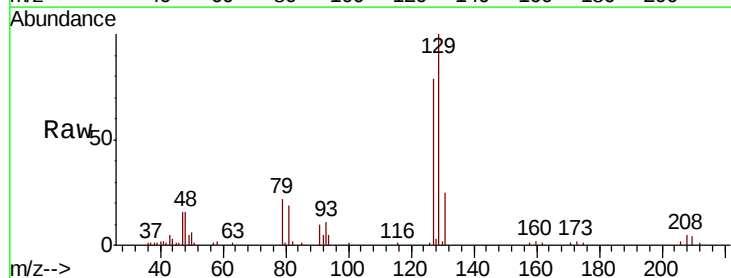


Abundance Ion 43.05 (42.75 to 43.75): VV015780.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015780.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015780.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015780.D (-2107) (-)

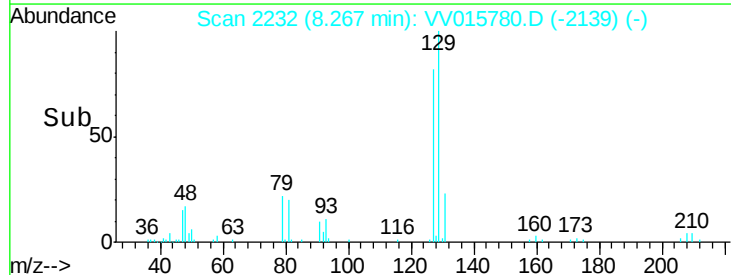
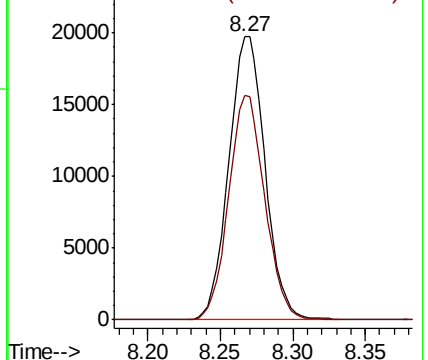


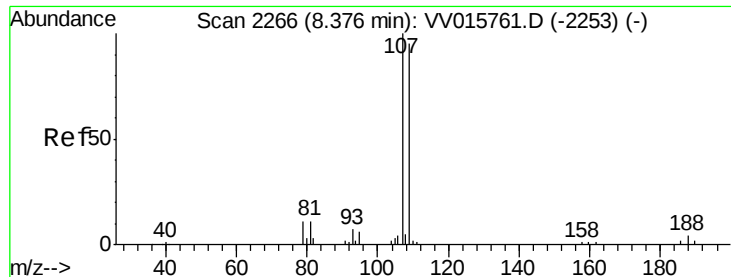
#49
Dibromochloromethane
Concen: 5.614 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Tgt Ion: 129 Resp: 34207
Ion Ratio Lower Upper
129 100
127 79.5 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015780.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015780.D (-2139) (-)

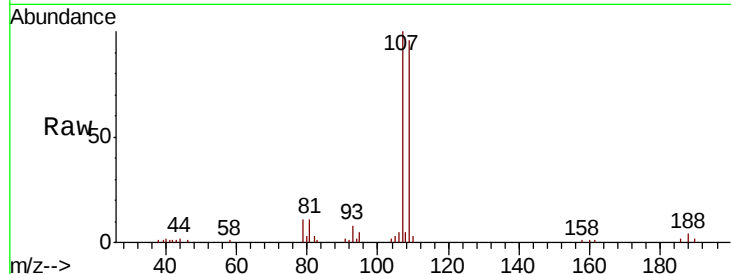




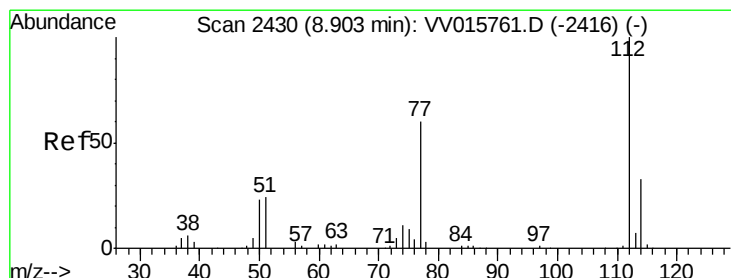
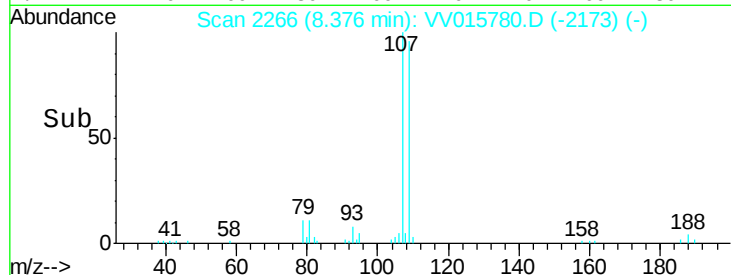
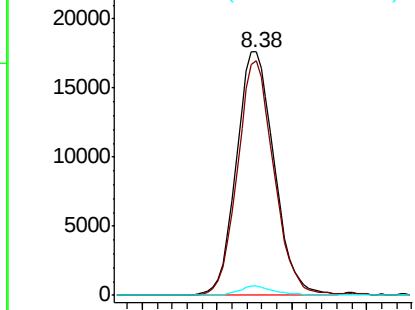
#50
1,2-Dibromoethane
Concen: 5.697 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 31019
Ion Ratio Lower Upper
107 100
109 96.2 68.1 126.5
188 3.7 3.2 4.8

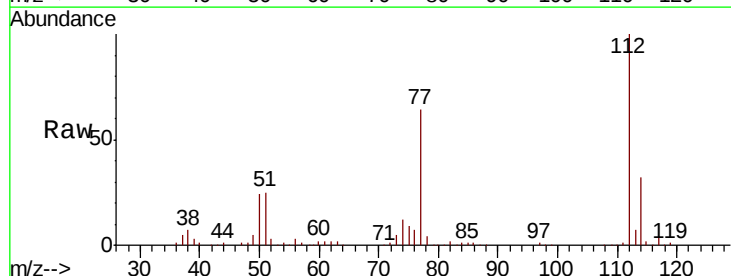


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

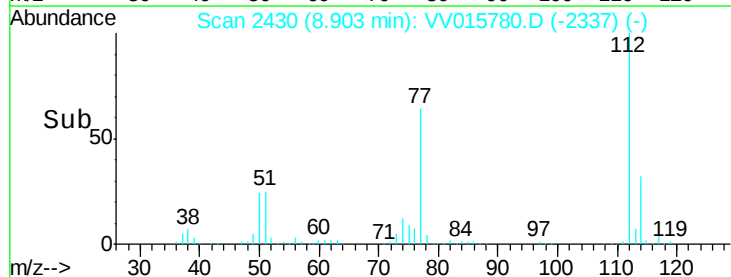
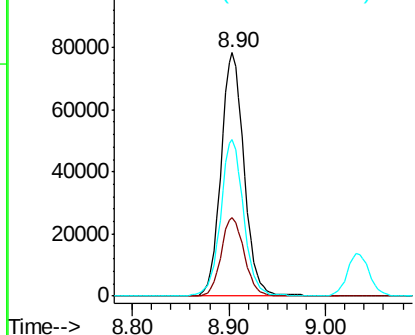


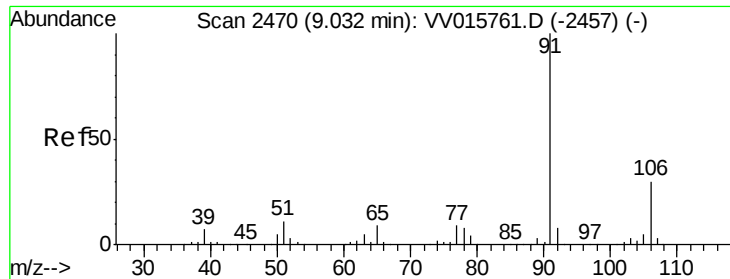
#51
Chlorobenzene
Concen: 5.448 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Tgt Ion:112 Resp: 129597
Ion Ratio Lower Upper
112 100
114 32.1 21.6 40.2
77 64.5 48.9 73.3



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

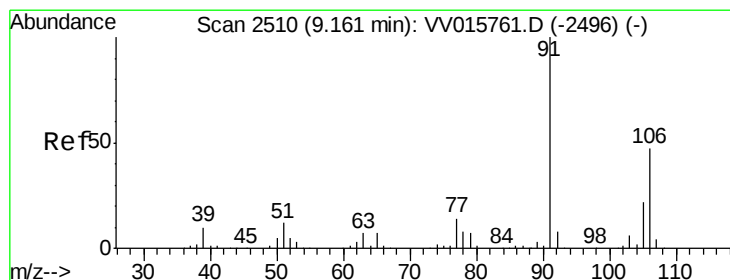
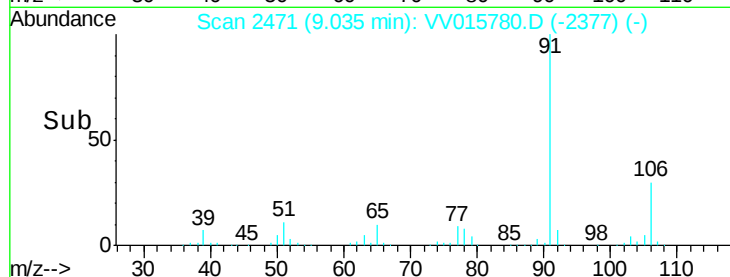
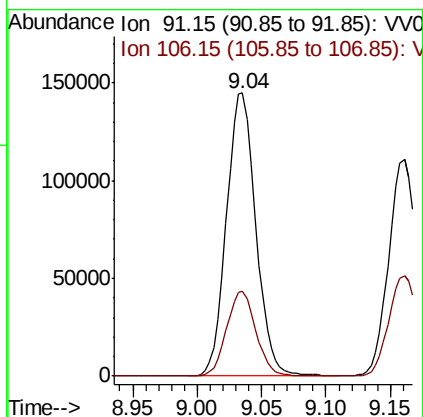
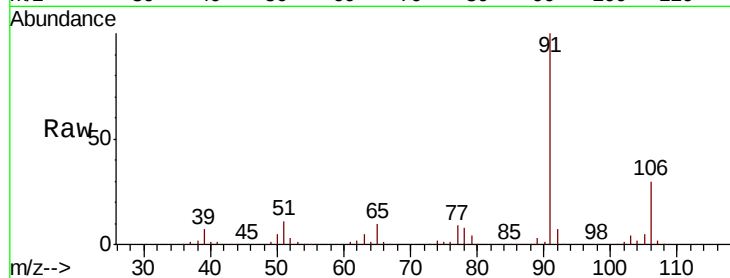




#52
Ethylbenzene
Concen: 5.447 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

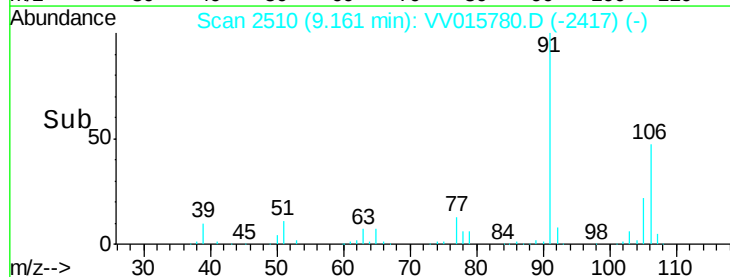
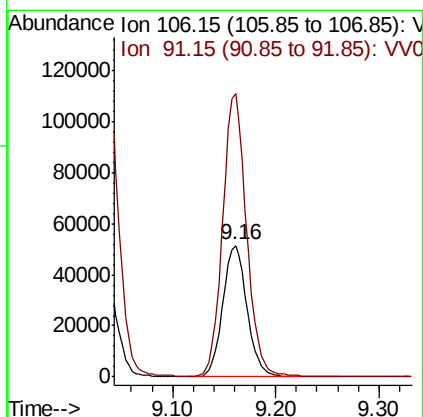
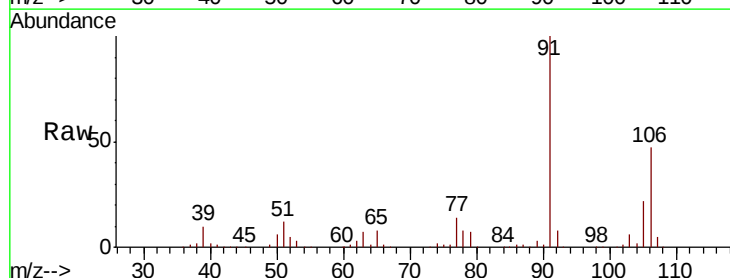
Instrument :
MSVOA_V
ClientSampleId :

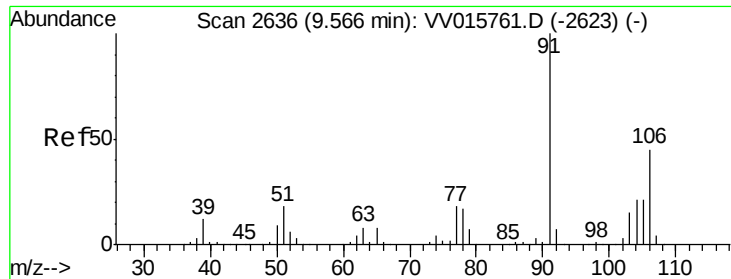
Tot Ion: 91 Resp: 228862
Ion Ratio Lower Upper
91 100
106 30.1 21.3 39.5



#53
m,p-xylene
Concen: 5.503 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Tgt Ion:106 Resp: 84698
Ion Ratio Lower Upper
106 100
91 215.0 147.8 274.4

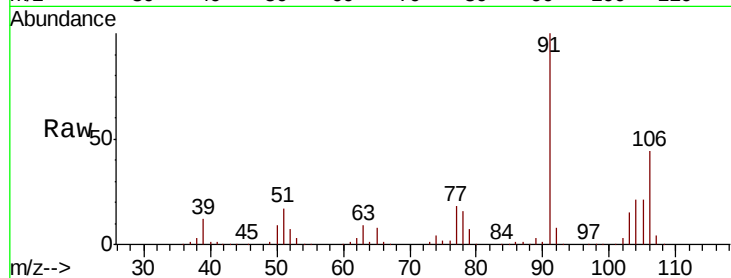




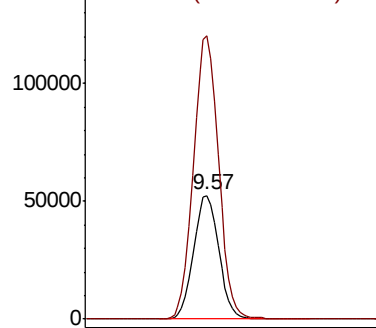
#54
o-xylene
Concen: 5.497 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

Instrument :
MSVOA_V
ClientSampleId :

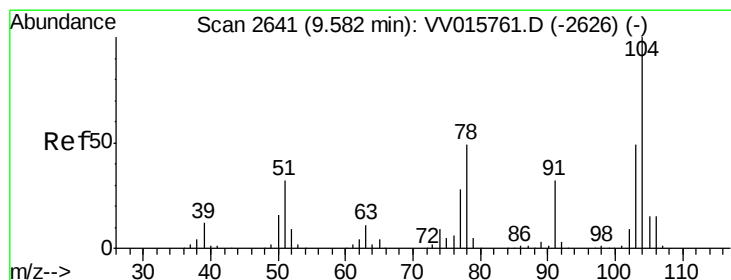
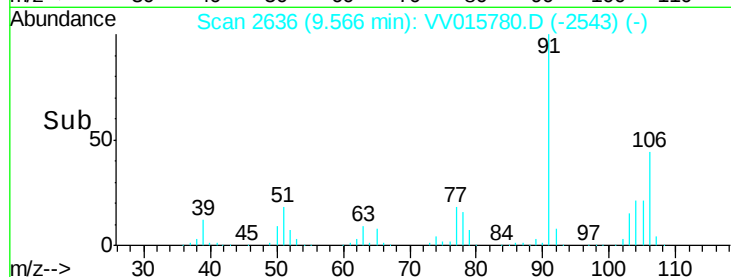
Tot Ion:106 Resp: 81866
Ion Ratio Lower Upper
106 100
91 228.5 159.8 296.8



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

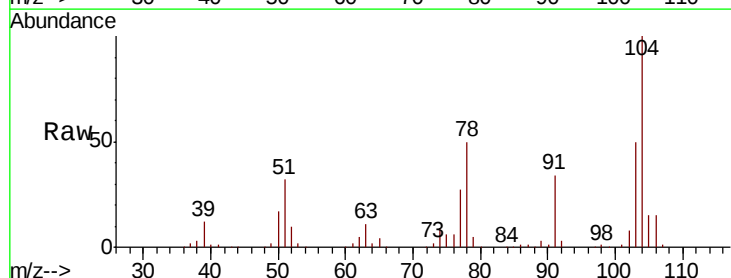


Time-->

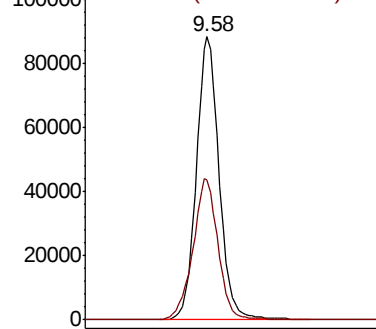


#55
Styrene
Concen: 5.660 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015780.D
Acq: 29 Apr 2020 04:59

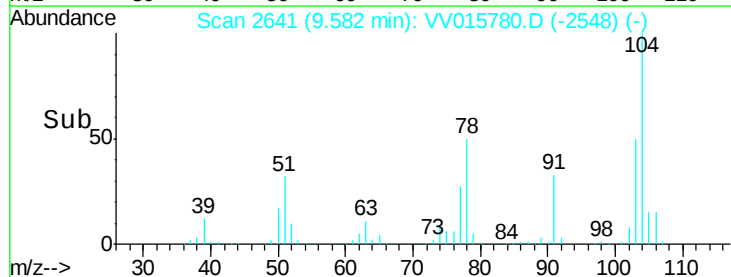
Tgt Ion:104 Resp: 143040
Ion Ratio Lower Upper
104 100
78 49.6 34.5 64.1

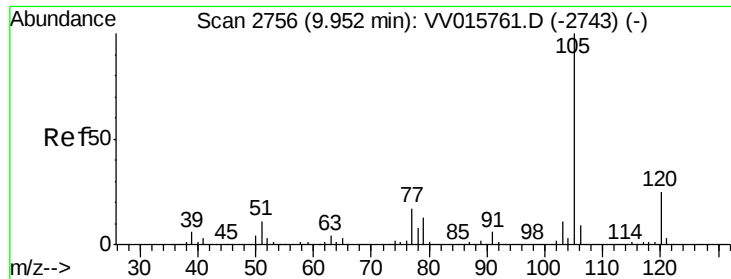


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 5.491 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :

MSVOA_V

ClientSampleId :

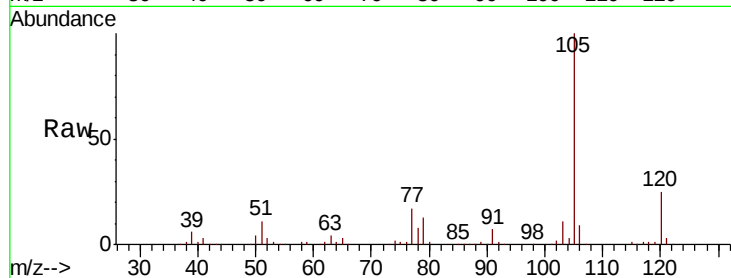
Tot Ion:105 Resp: 229425

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

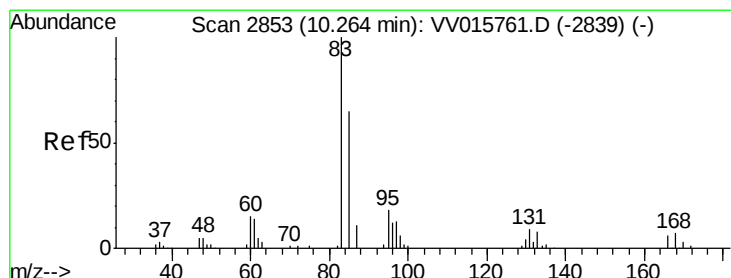
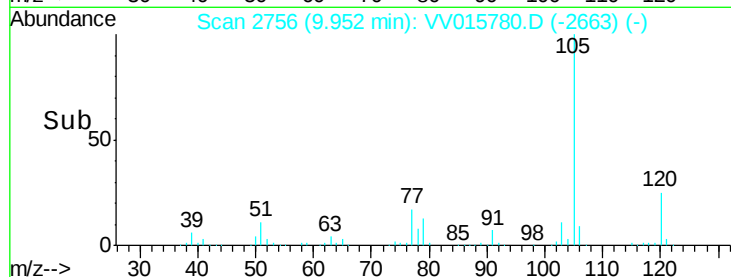
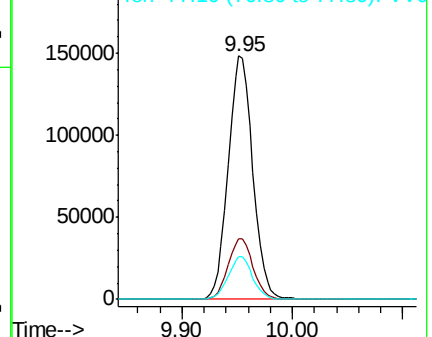
77 17.3 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.736 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

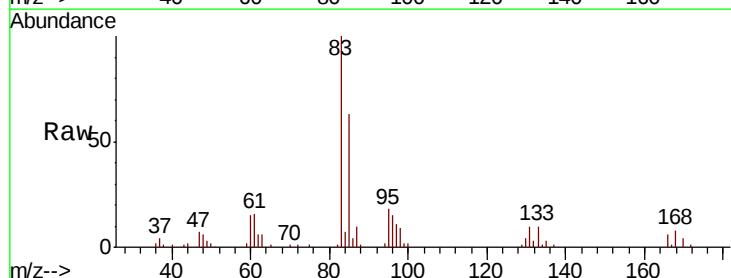
Tgt Ion: 83 Resp: 39433

Ion Ratio Lower Upper

83 100

85 62.8 46.3 85.9

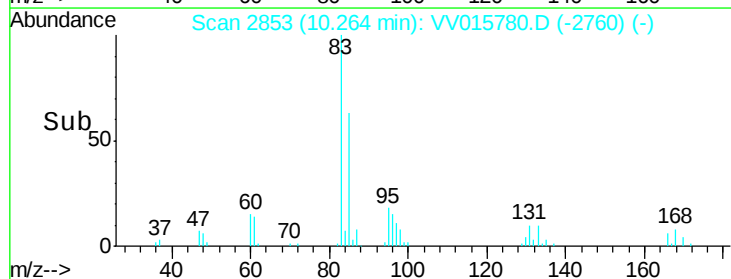
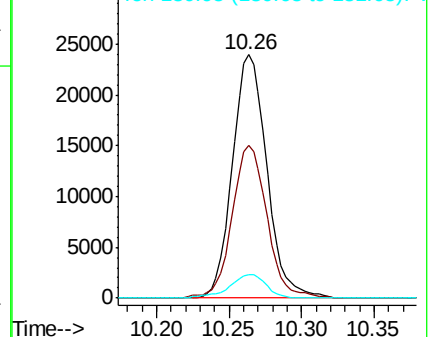
131 9.7 7.7 11.5

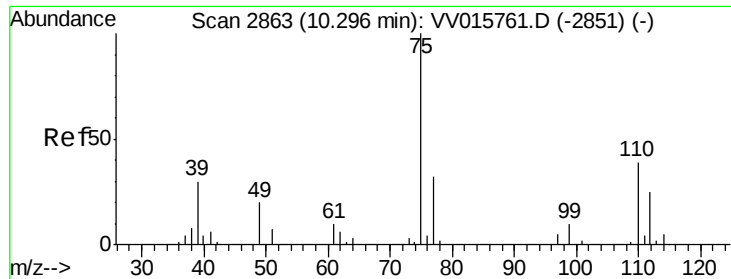


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

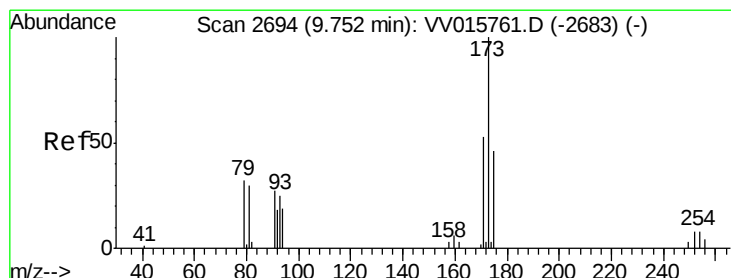
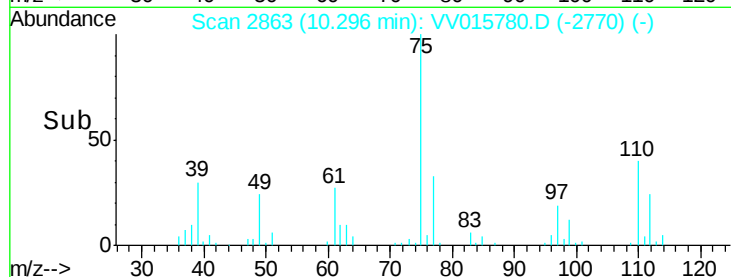
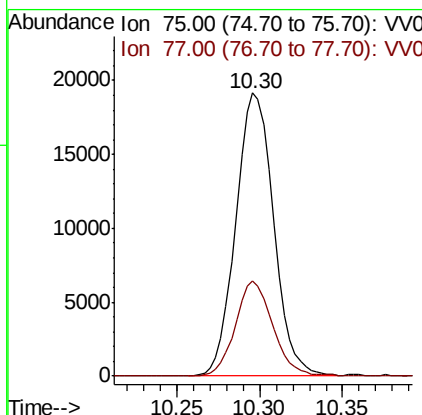
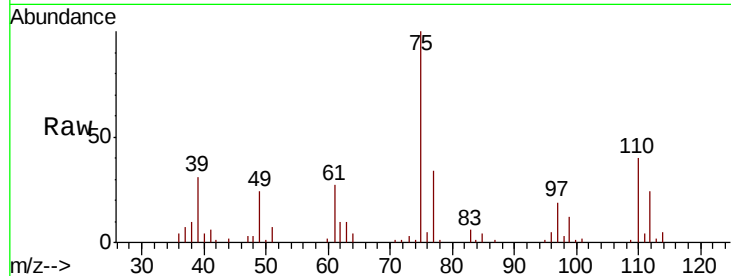




#59
 1,2,3-Trichloropropane
 Concen: 5.520 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

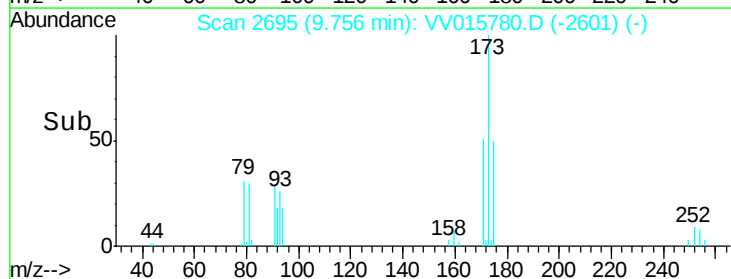
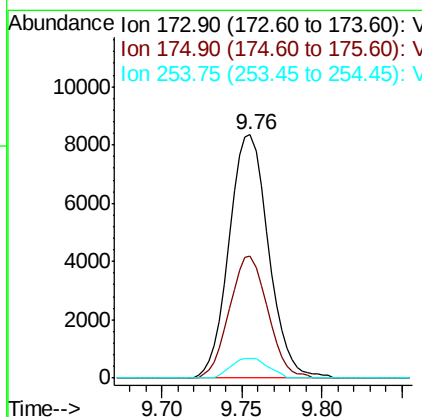
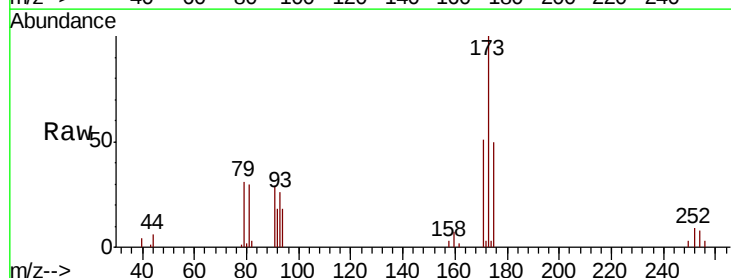
Instrument :
 MSVOA_V
 ClientSampleId :

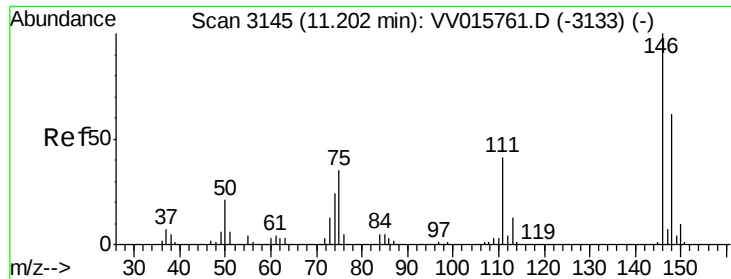
Tot Ion: 75 Resp: 30443
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.0 39.0



#61
 Bromoform
 Concen: 5.634 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

Tgt Ion: 173 Resp: 14086
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.8 59.8
 254 7.5 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.452 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :

MSVOA_V

ClientSampleId :

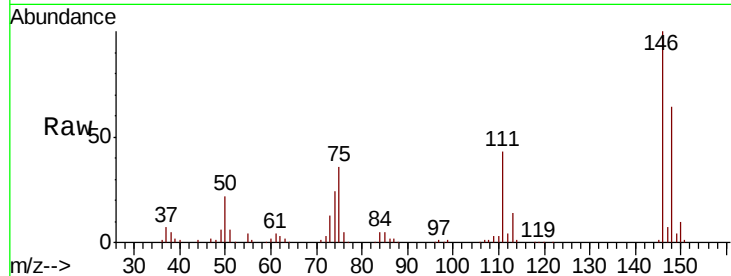
Tot Ion:146 Resp: 104509

Ion Ratio Lower Upper

146 100

111 43.4 30.0 55.6

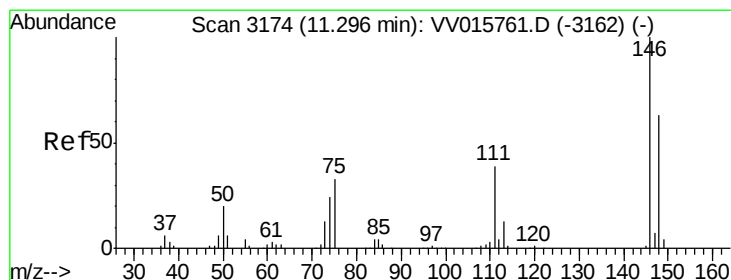
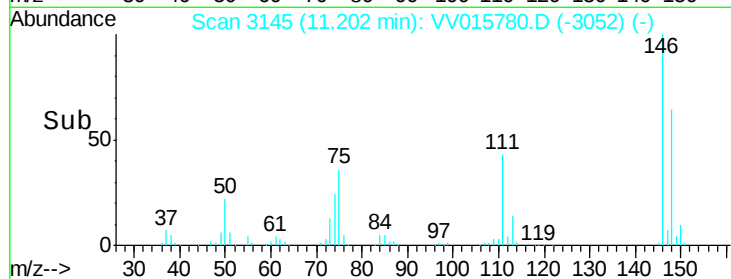
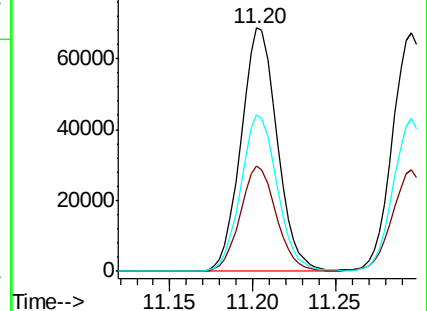
148 64.2 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.443 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

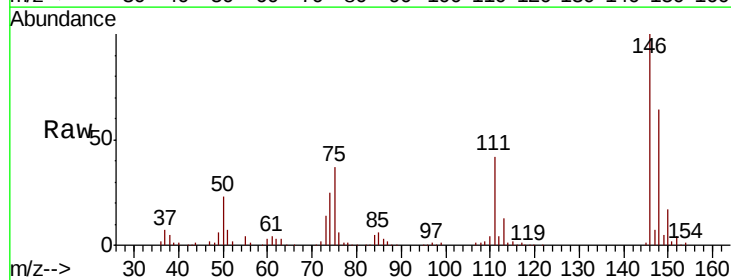
Tgt Ion:146 Resp: 105229

Ion Ratio Lower Upper

146 100

111 42.4 28.2 52.4

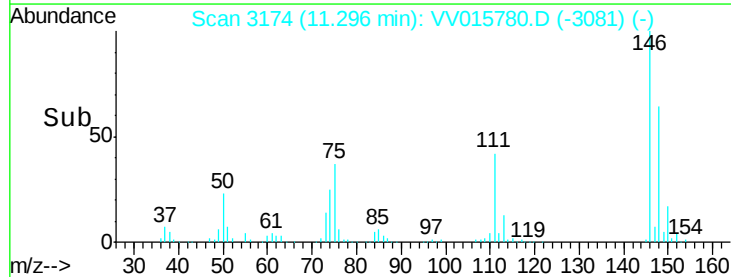
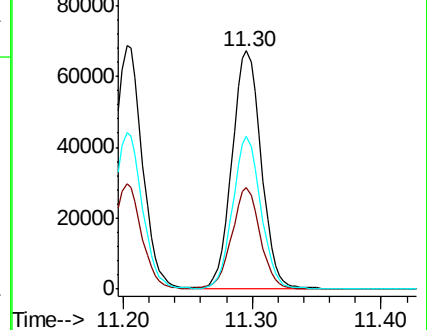
148 63.9 45.7 84.9

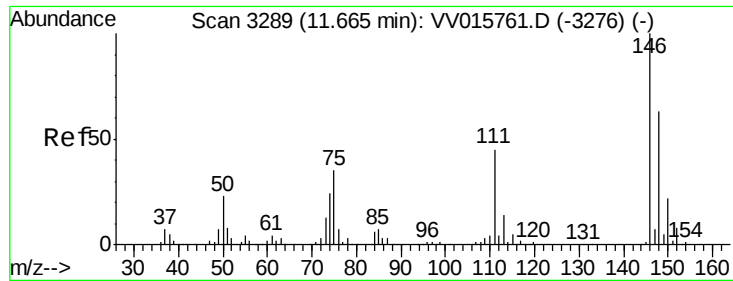


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.574 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :

MSVOA_V

ClientSampleId :

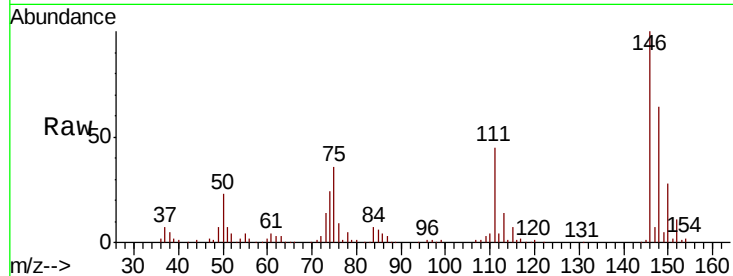
Tot Ion:146 Resp: 96637

Ion Ratio Lower Upper

146 100

111 45.2 34.7 52.1

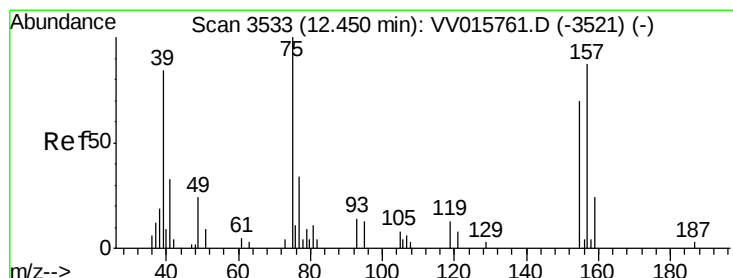
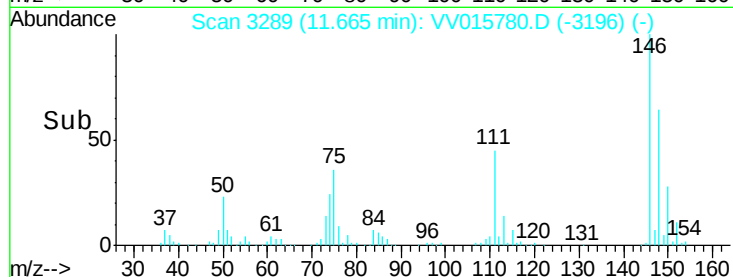
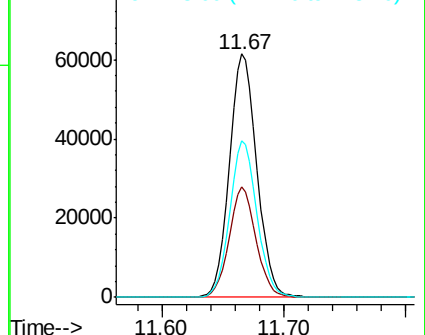
148 64.1 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.307 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

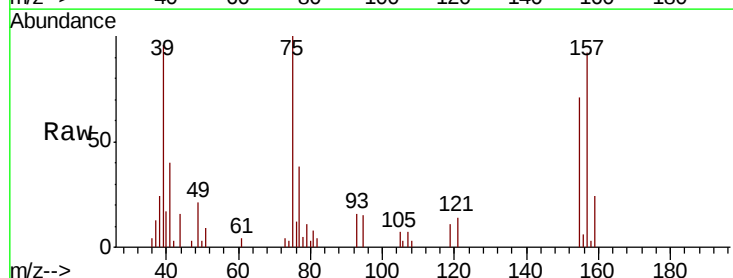
Tgt Ion: 75 Resp: 5994

Ion Ratio Lower Upper

75 100

155 70.7 51.0 76.4

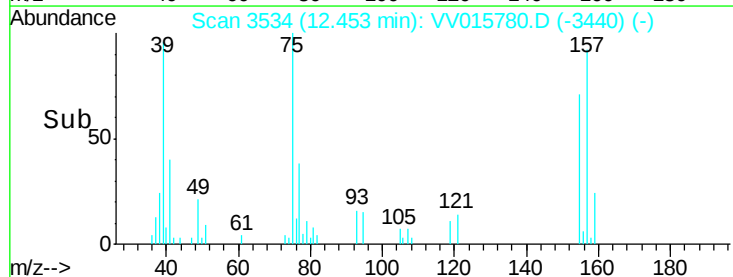
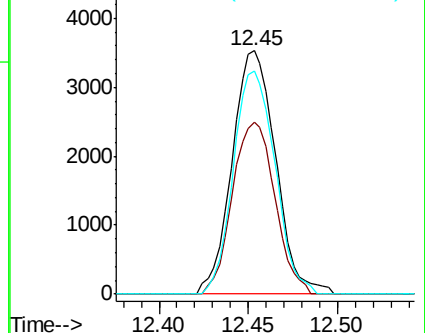
157 91.8 70.6 106.0

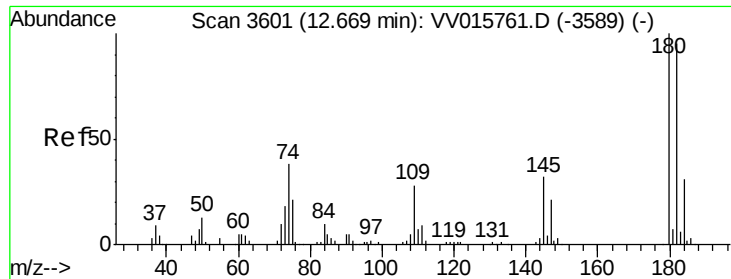


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

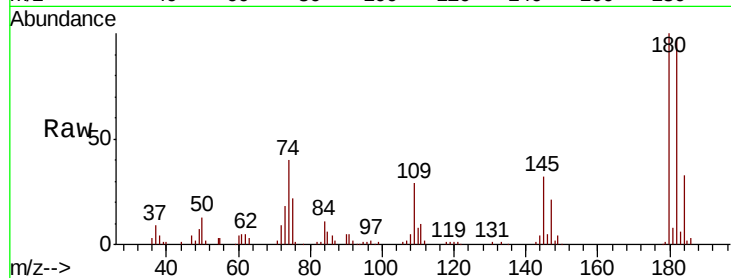




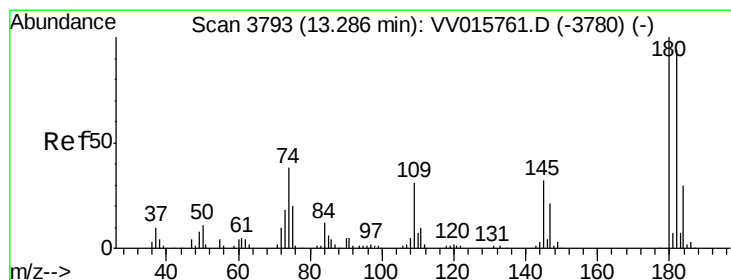
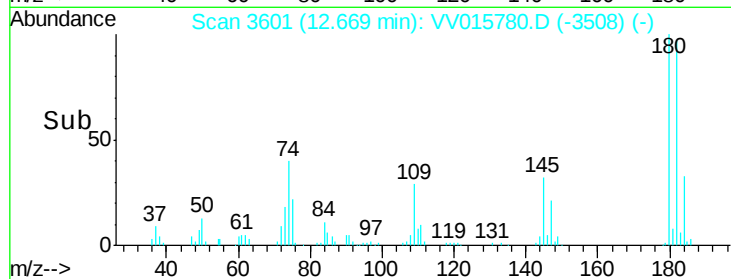
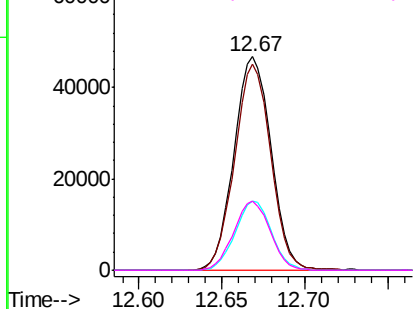
#67
 1,3,5-Trichlorobenzene
 Concen: 5.141 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 72828
 Ion Ratio Lower Upper
 180 100
 182 94.2 78.2 117.4
 184 31.2 25.0 37.4
 145 31.9 26.4 39.6

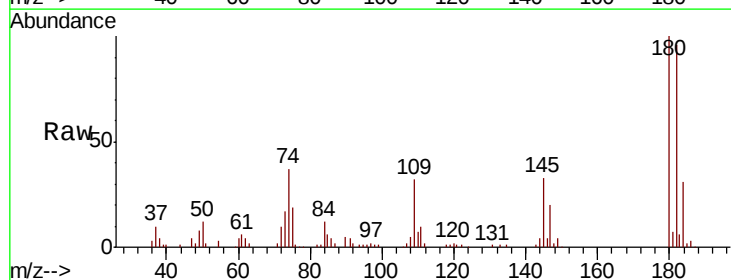


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

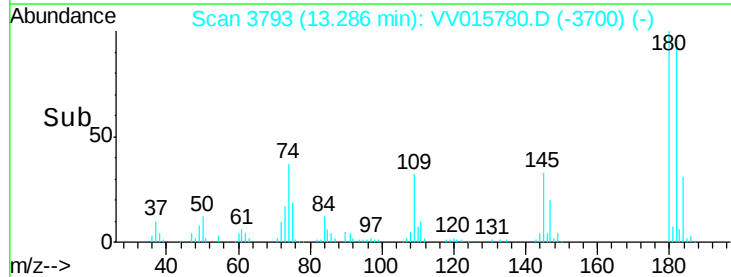
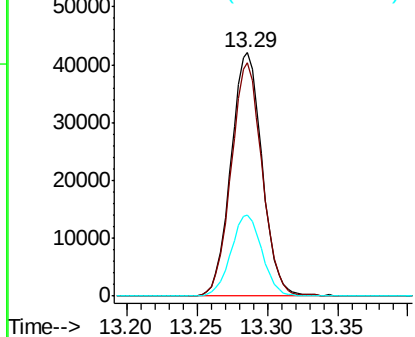


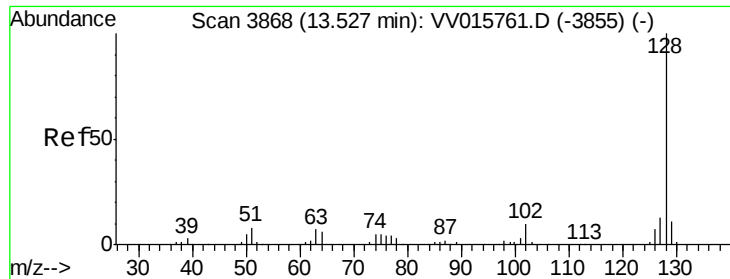
#68
 1,2,4-trichlorobenzene
 Concen: 5.003 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015780.D
 Acq: 29 Apr 2020 04:59

Tgt Ion:180 Resp: 65220
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.8 112.2
 145 33.0 25.9 38.9



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





#69

Naphthalene

Concen: 4.789 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

Instrument :

MSVOA_V

ClientSampleId :

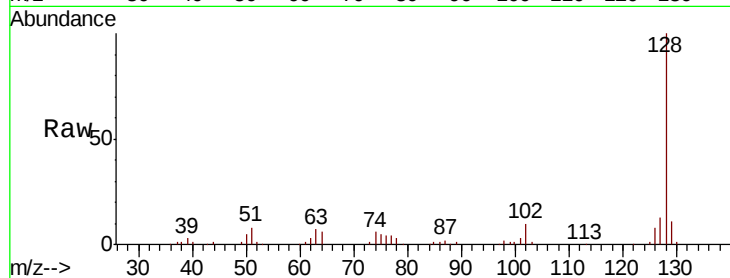
Tot Ion:128 Resp: 111746

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

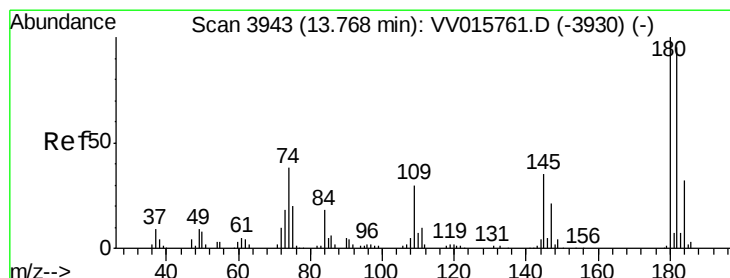
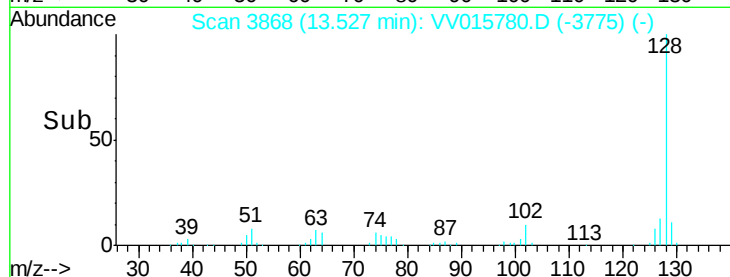
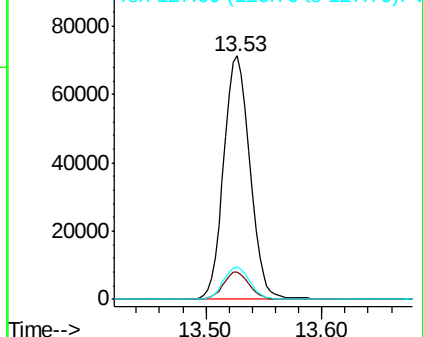
127 13.2 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.154 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015780.D

Acq: 29 Apr 2020 04:59

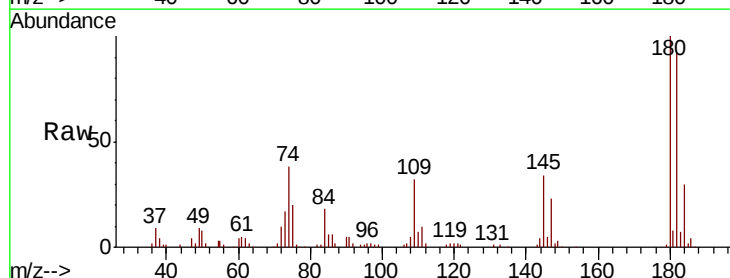
Tgt Ion:180 Resp: 59308

Ion Ratio Lower Upper

180 100

182 94.3 74.8 112.2

145 35.1 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

