

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042320\
 Data File : VV015665.D
 Acq On : 23 Apr 2020 16:13
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 24 03:32:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 24 03:28:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	134917	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	130357	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	66713	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30992	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.57	69	30408	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.12	63	71048	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	3.94	46	112467	49.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.36%
24) Chloroform-d	4.38	84	76089	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.06	65	43184	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.07	84	141200	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.09	67	44704	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.34	98	134242	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.64	79	16670	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.11	63	90527	48.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.58%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	35048	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	51207	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	55657	4.816	ug/L 99
3) Chloromethane	1.24	50	50740	5.075	ug/L 100
5) Vinyl chloride	1.32	62	53280	4.990	ug/L 100
6) Bromomethane	1.53	94	21183	4.621	ug/L 95
8) Chloroethane	1.59	64	33144	4.726	ug/L 99
9) Trichlorofluoromethane	1.76	101	74893	4.998	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42354	4.996	ug/L 97
12) 1,1-Dichloroethene	2.13	96	39450	5.024	ug/L 95
13) Acetone	2.23	43	77691	49.421	ug/L 99
14) Carbon disulfide	2.30	76	104513	4.708	ug/L 99
15) Methyl Acetate	2.46	43	19925	5.330	ug/L 95
16) Methylene chloride	2.52	84	44973	4.639	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	111962	5.079	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	43721	4.973	ug/L 95
19) 1,1-Dichloroethane	3.21	63	86504	5.011	ug/L 99
21) 2-Butanone	4.02	43	124627	51.397	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	46781	4.812	ug/L 96

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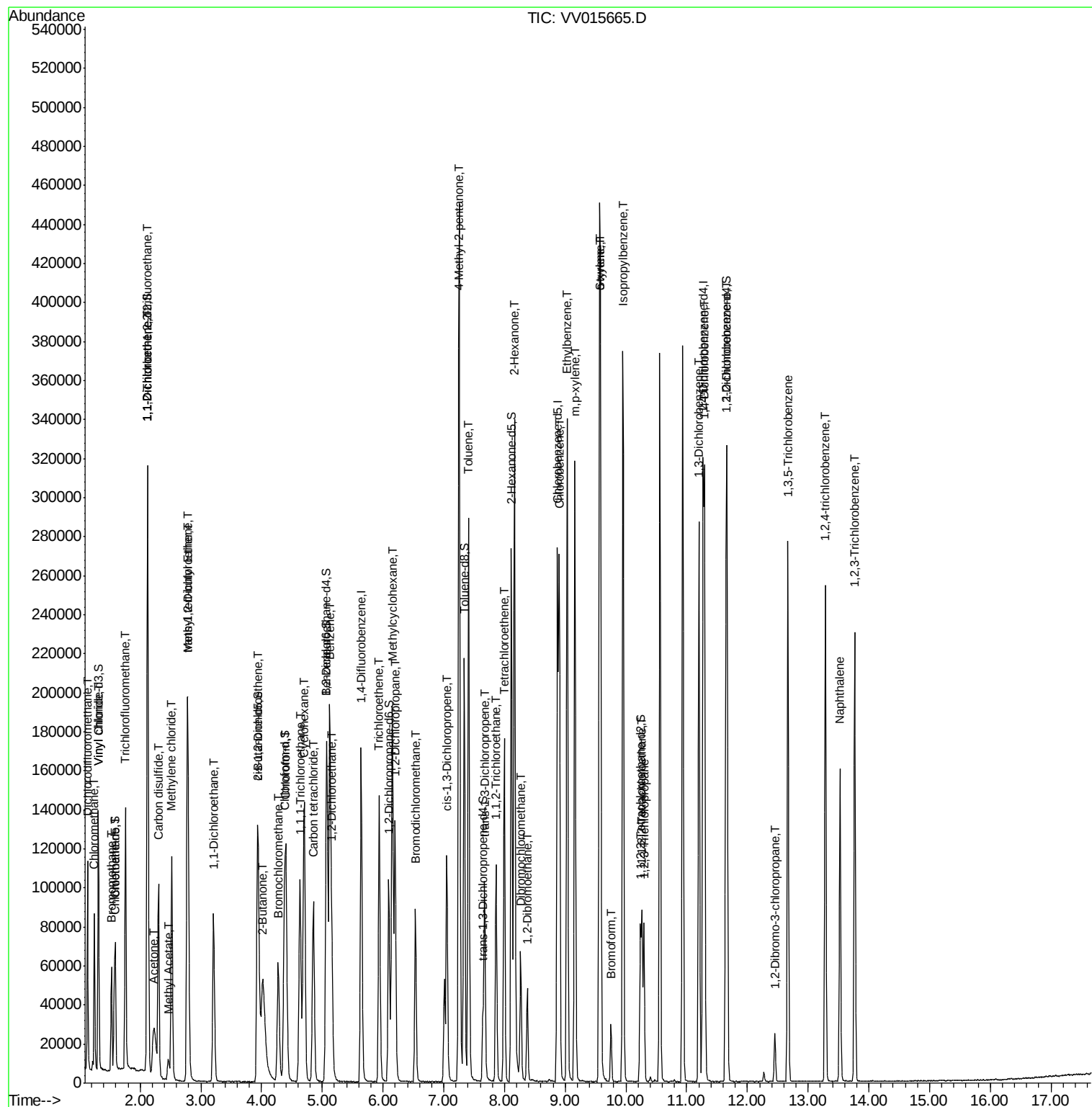
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	20412	5.141	ug/L	97
25) Chloroform	4.40	83	92435	5.043	ug/L	98
27) 1,2-Dichloroethane	5.16	62	61004	5.066	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	81415	4.925	ug/L	99
30) Cyclohexane	4.70	56	76034	4.814	ug/L	99
31) Carbon tetrachloride	4.85	117	65652	4.795	ug/L	98
33) Benzene	5.12	78	183345	4.923	ug/L	100
34) Trichloroethene	5.94	95	50322	4.893	ug/L	99
35) Methylcyclohexane	6.15	83	75117	4.759	ug/L	99
37) 1,2-Dichloropropane	6.20	63	47215	4.987	ug/L	99
38) Bromodichloromethane	6.53	83	57670	4.797	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	62780	4.758	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	316024	51.436	ug/L	99
42) Toluene	7.41	91	196511	4.938	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	52798	4.761	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	31926	4.948	ug/L	98
47) Tetrachloroethene	8.00	164	35071	4.736	ug/L	94
48) 2-Hexanone	8.16	43	226077	51.599	ug/L	99
49) Dibromochloromethane	8.27	129	31242	4.679	ug/L	97
50) 1,2-Dibromoethane	8.38	107	29096	4.876	ug/L	96
51) Chlorobenzene	8.90	112	126473	4.851	ug/L	98
52) Ethylbenzene	9.03	91	225016	4.886	ug/L	99
53) m,p-xylene	9.16	106	83594	4.956	ug/L	96
54) o-xylene	9.56	106	80844	4.953	ug/L	98
55) Styrene	9.58	104	139625	5.041	ug/L	100
56) Isopropylbenzene	9.95	105	224335	4.899	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	37827	5.021	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	29708	4.915	ug/L	99
61) Bromoform	9.75	173	12102	4.395	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	102168	4.839	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	104548	4.910	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	94595	4.954	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6145	4.939	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	74591	4.780	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	66175	4.608	ug/L	97
69) Naphthalene	13.53	128	118706	4.619	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	59501	4.695	ug/L	97

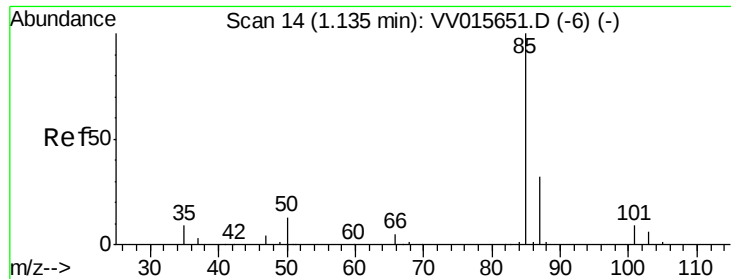
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.816 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

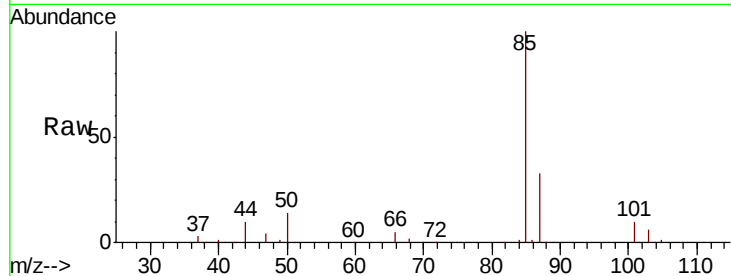
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 55657

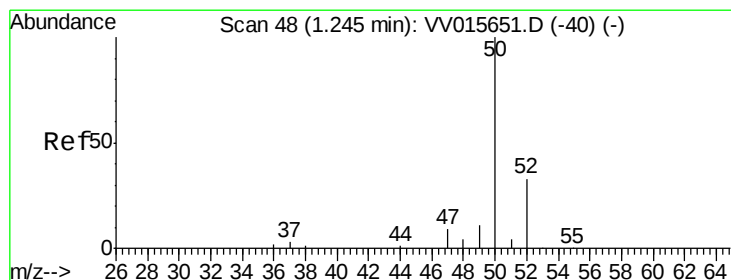
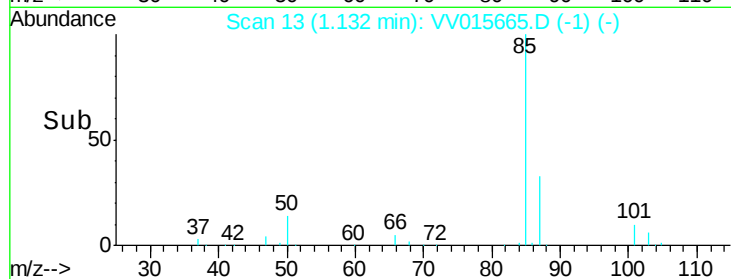
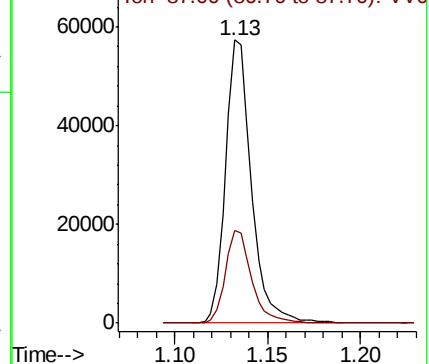
Ion Ratio Lower Upper

85 100

87 33.1 26.1 39.1



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



#3

Chloromethane

Concen: 5.075 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV015665.D

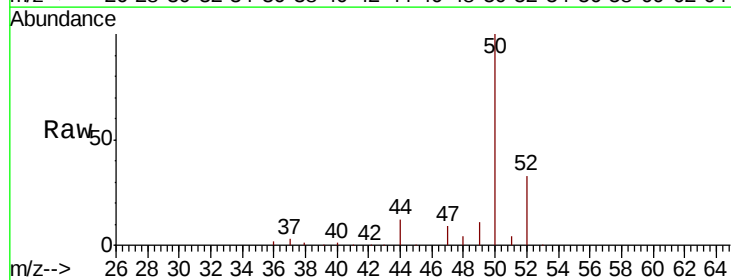
Acq: 23 Apr 2020 16:13

Tgt Ion: 50 Resp: 50740

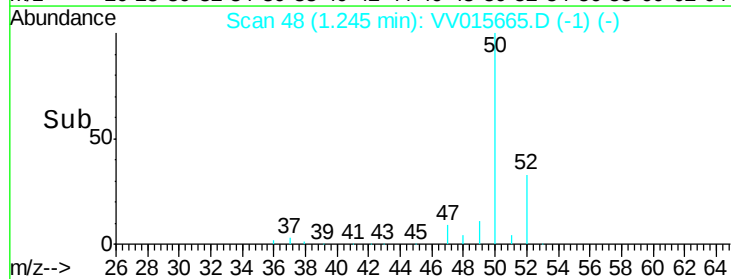
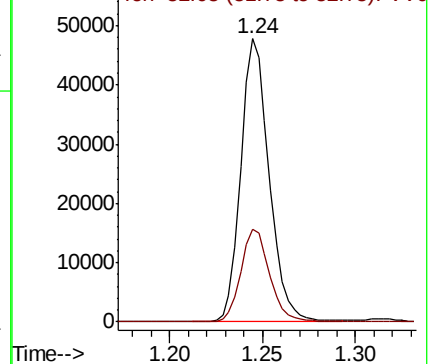
Ion Ratio Lower Upper

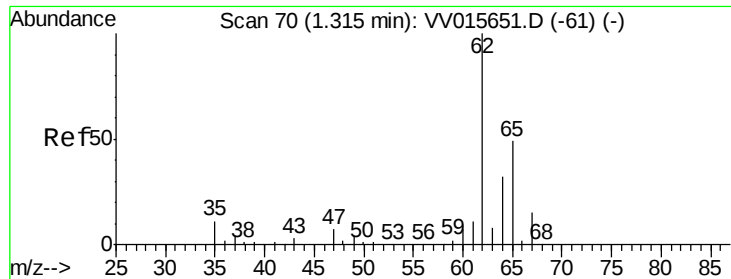
50 100

52 32.9 22.9 42.5



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





#5

Vinyl chloride

Concen: 4.990 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :

MSVOA_V

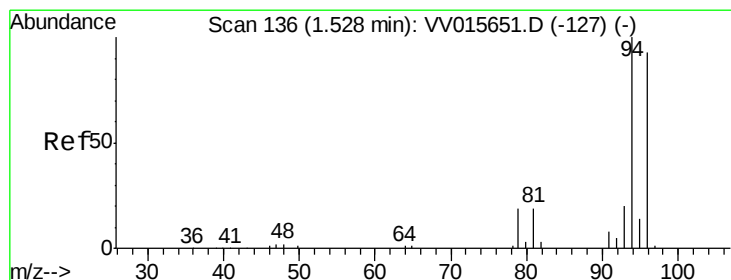
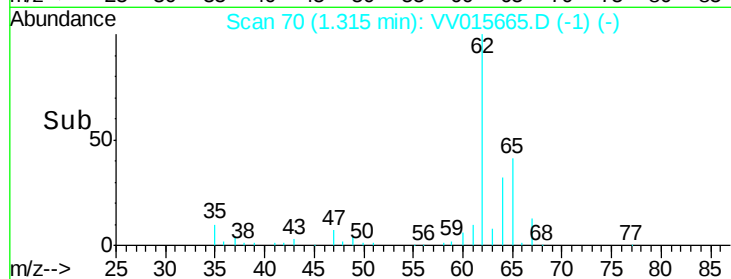
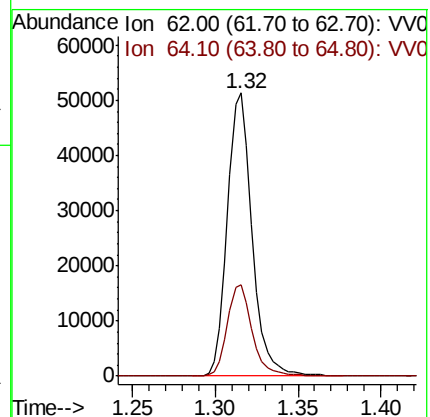
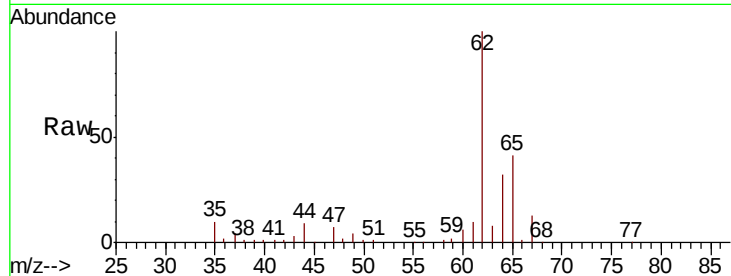
ClientSampled :

Tot Ion: 62 Resp: 53280

Ion Ratio Lower Upper

62 100

64 32.2 22.7 42.1



#6

Bromomethane

Concen: 4.621 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015665.D

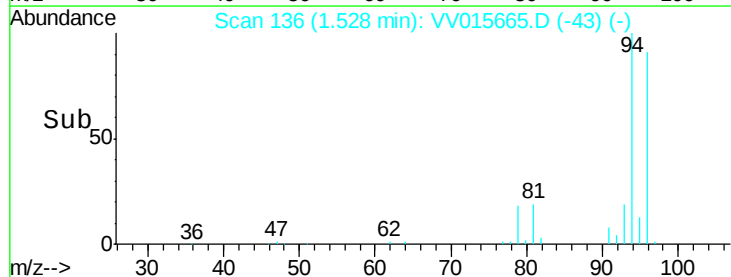
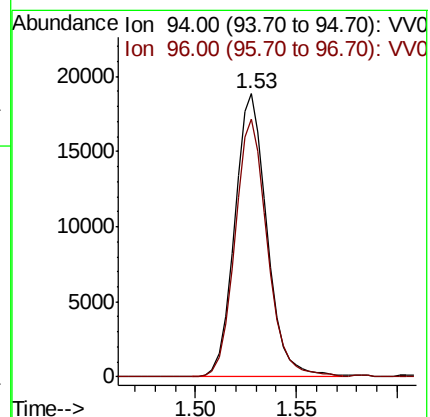
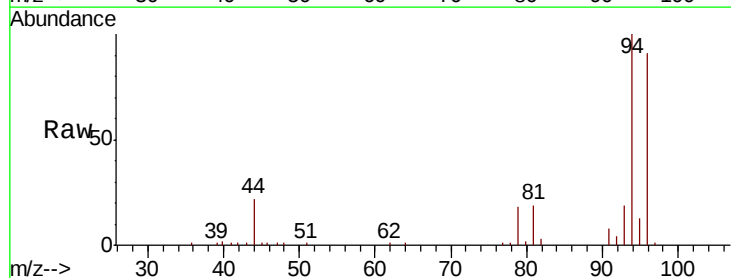
Acq: 23 Apr 2020 16:13

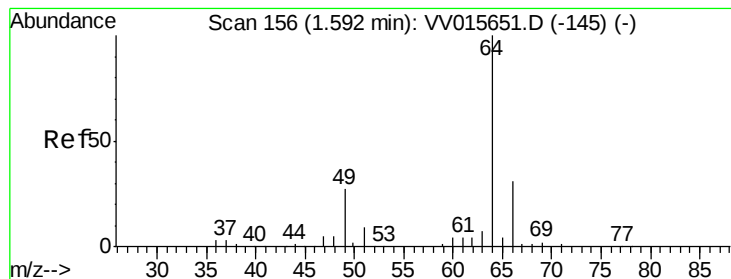
Tgt Ion: 94 Resp: 21183

Ion Ratio Lower Upper

94 100

96 91.0 67.3 125.1





#8

Chloroethane

Concen: 4.726 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

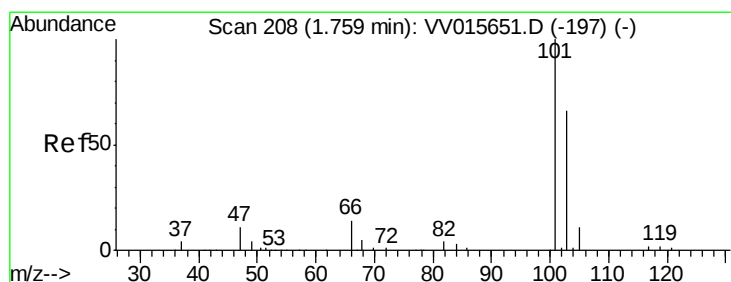
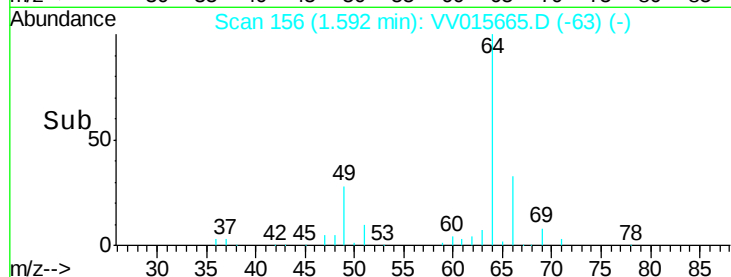
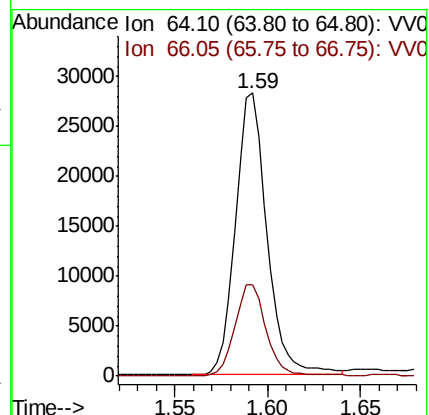
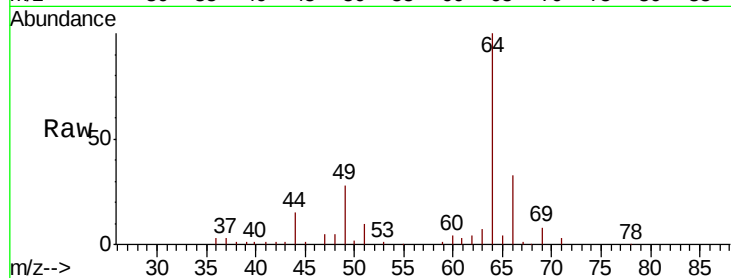
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 33144

Ion Ratio Lower Upper

64 100

66 32.5 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.998 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015665.D

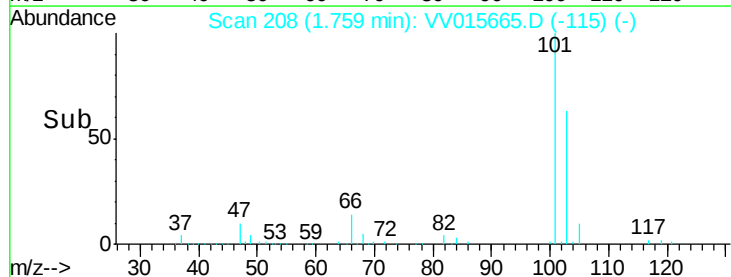
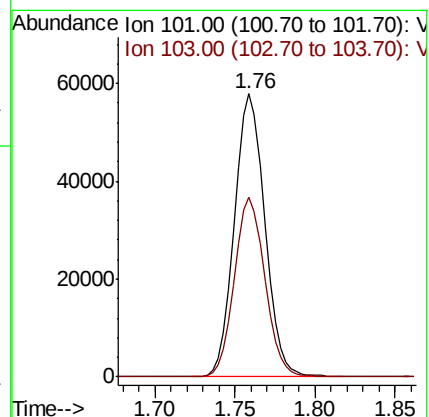
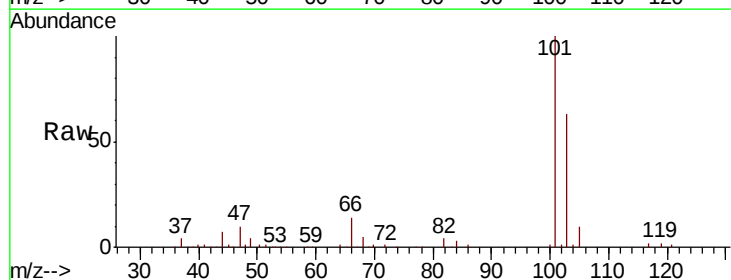
Acq: 23 Apr 2020 16:13

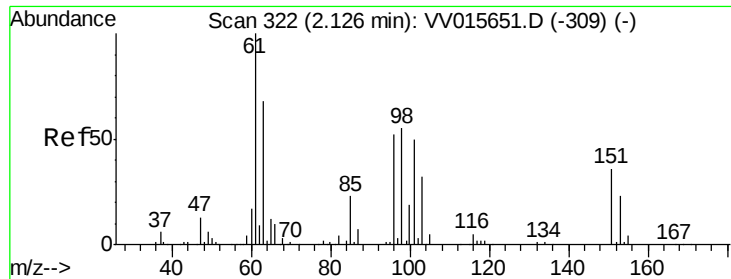
Tgt Ion:101 Resp: 74893

Ion Ratio Lower Upper

101 100

103 63.7 52.3 78.5





#10

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

Concen: 4.996 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :

MSVOA_V

ClientSampleId :

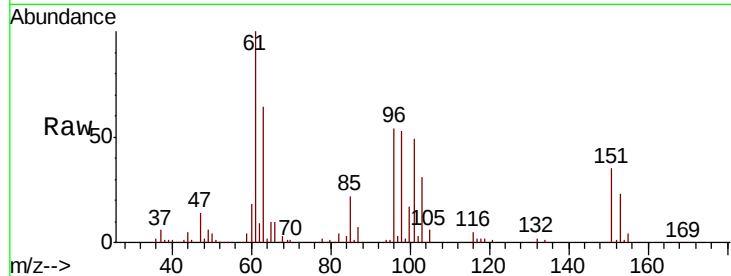
Tot Ion:101 Resp: 42354

Ion Ratio Lower Upper

101 100

85 44.8 36.1 54.1

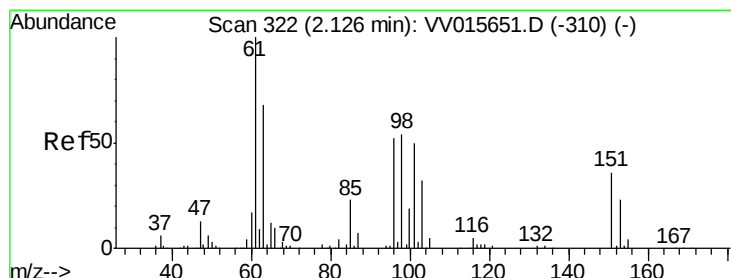
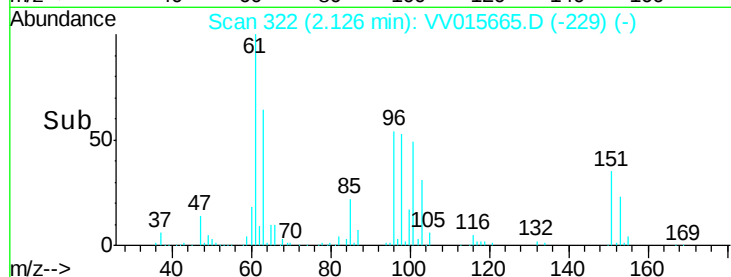
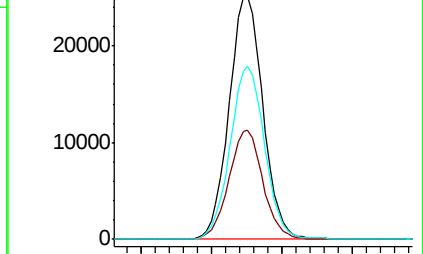
151 72.3 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015665.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015665.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015665.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.024 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

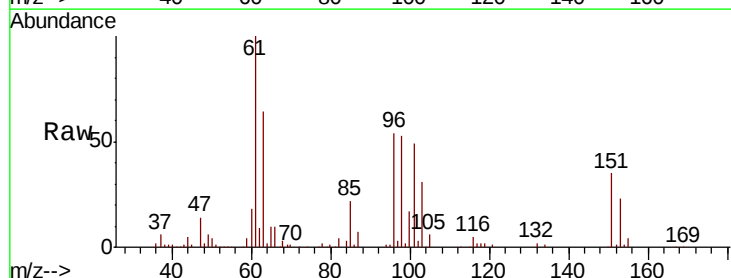
Tgt Ion: 96 Resp: 39450

Ion Ratio Lower Upper

96 100

61 184.5 130.1 241.7

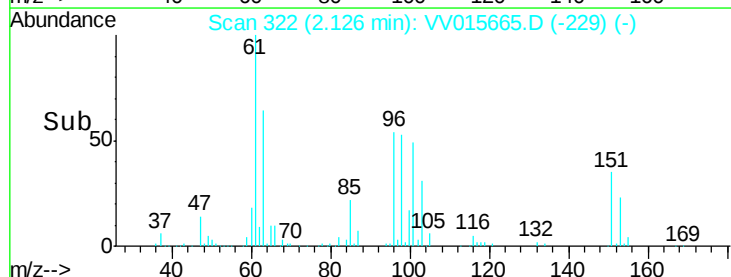
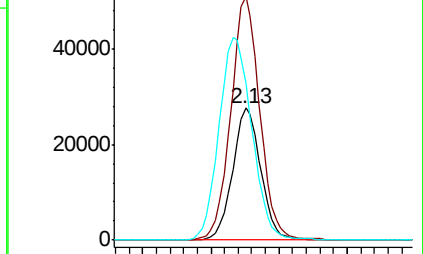
63 118.2 91.4 169.8

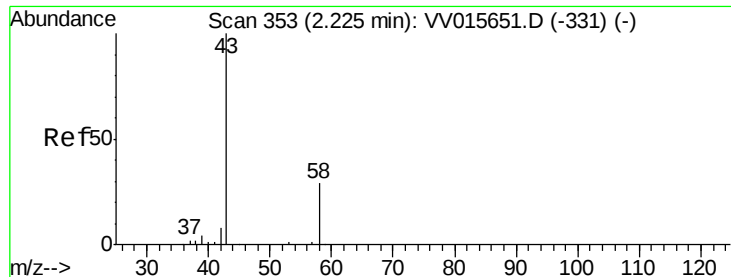


Abundance Ion 96.00 (95.70 to 96.70): VV015665.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015665.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015665.D (-229) (-)





#13

Acetone

Concen: 49.421 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

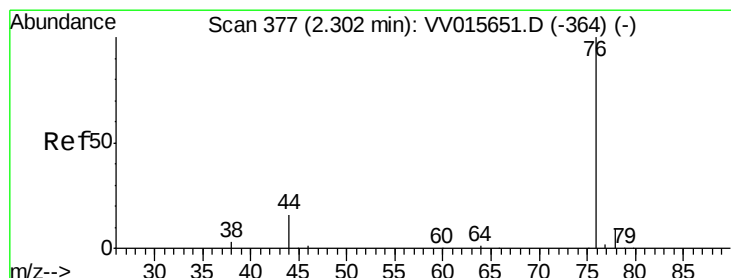
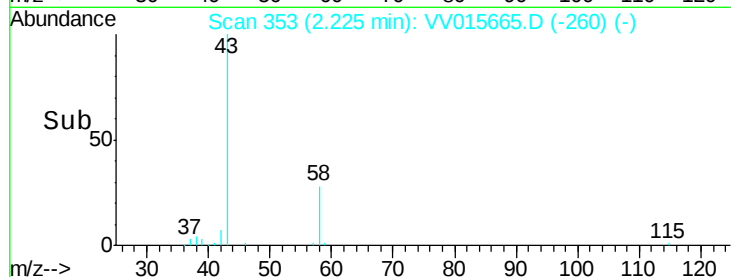
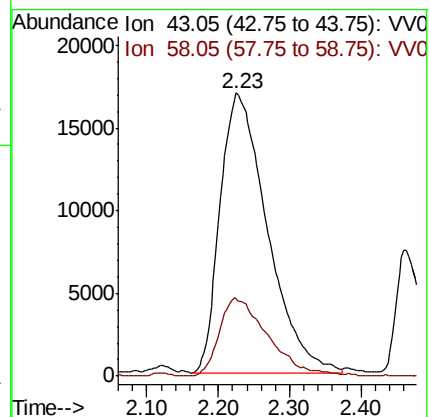
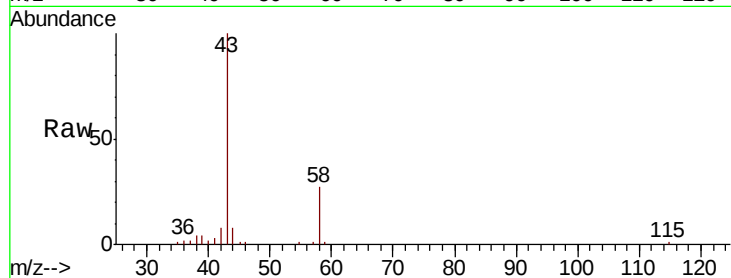
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 77691

Ion Ratio Lower Upper

43 100

58 28.0 0.0 57.6



#14

Carbon disulfide

Concen: 4.708 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015665.D

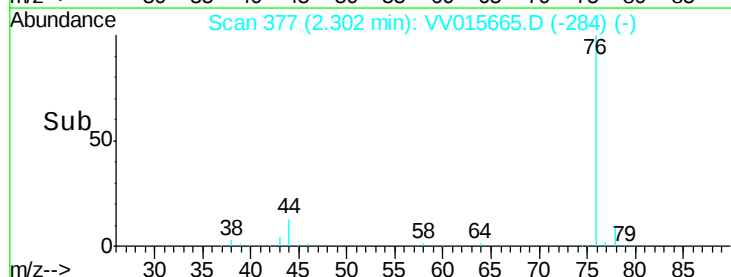
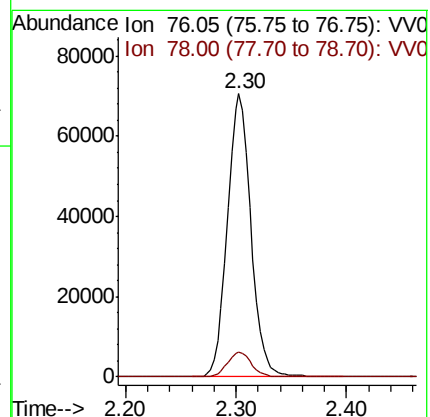
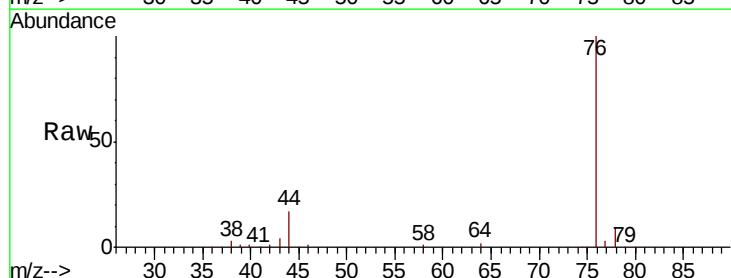
Acq: 23 Apr 2020 16:13

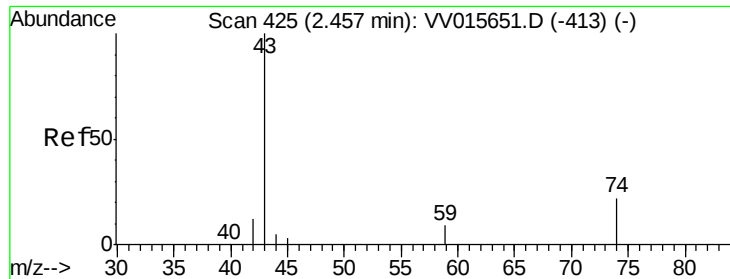
Tgt Ion: 76 Resp: 104513

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

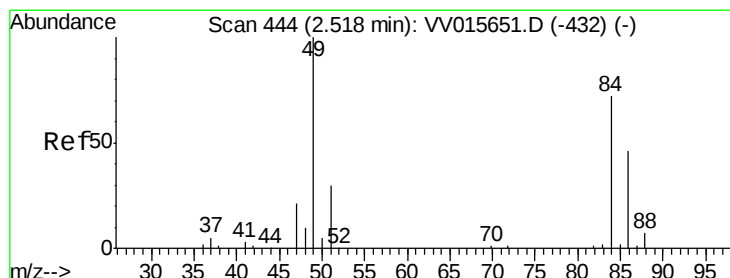
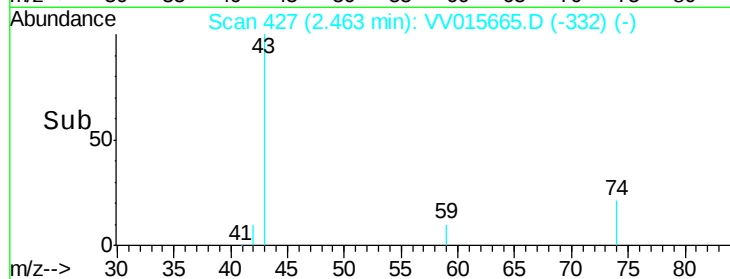
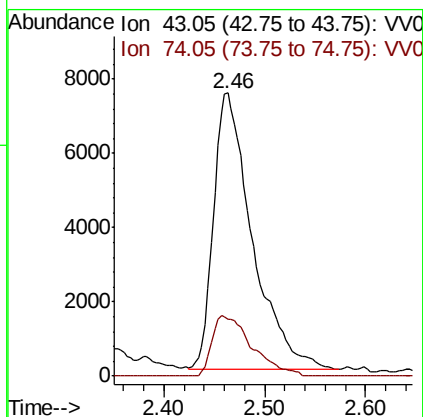
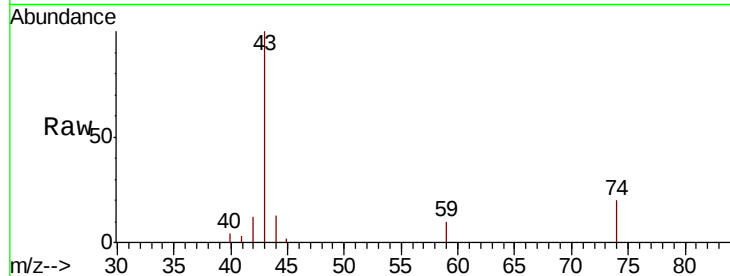




#15
Methyl Acetate
Concen: 5.330 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV015665.D
Acq: 23 Apr 2020 16:13

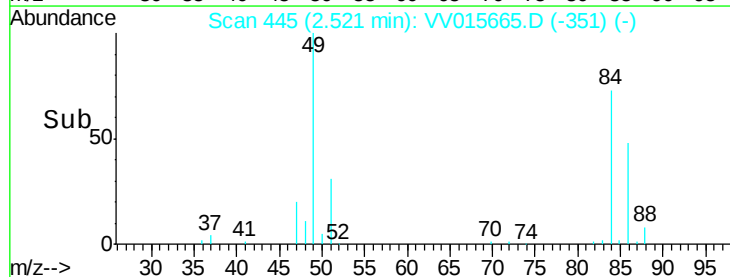
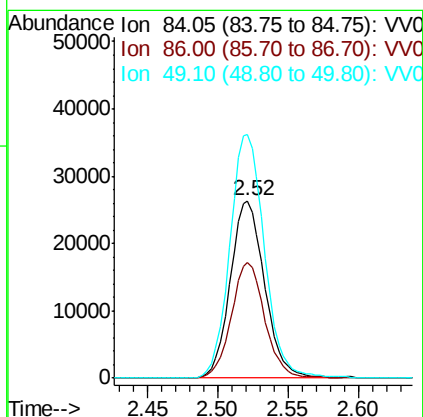
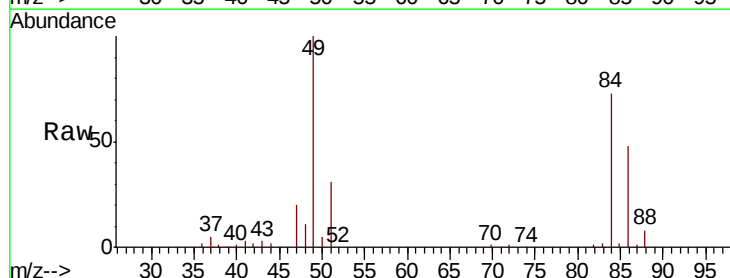
Instrument :
MSVOA_V
ClientSampleId :

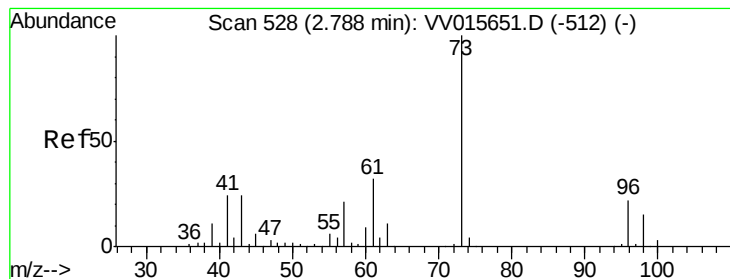
Tot Ion: 43 Resp: 19925
Ion Ratio Lower Upper
43 100
74 22.6 16.3 24.5



#16
Methylene chloride
Concen: 4.639 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015665.D
Acq: 23 Apr 2020 16:13

Tgt Ion: 84 Resp: 44973
Ion Ratio Lower Upper
84 100
86 65.2 45.1 83.7
49 137.2 94.4 175.4



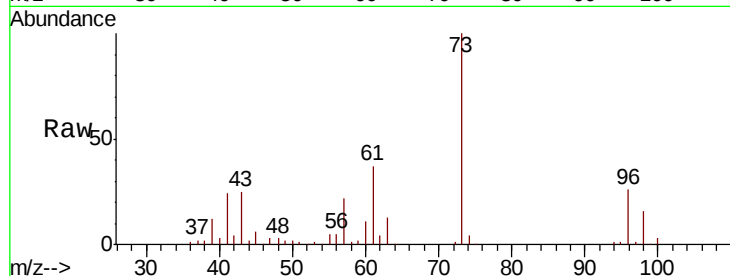


#17

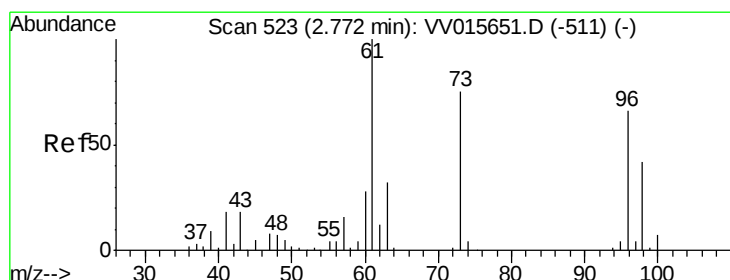
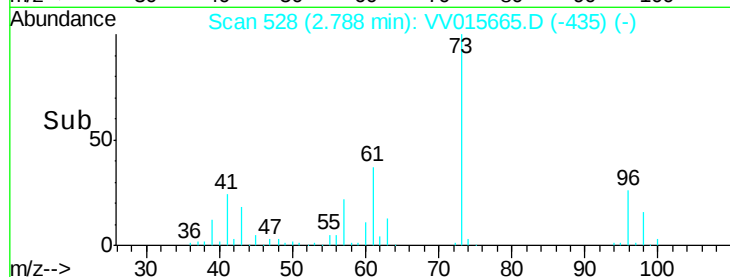
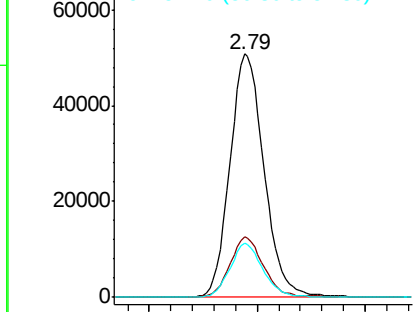
Methvl tert-butvl Ether
 Concen: 5.079 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 111962
 Ion Ratio Lower Upper
 73 100
 43 23.6 20.1 30.1
 57 21.5 17.8 26.8



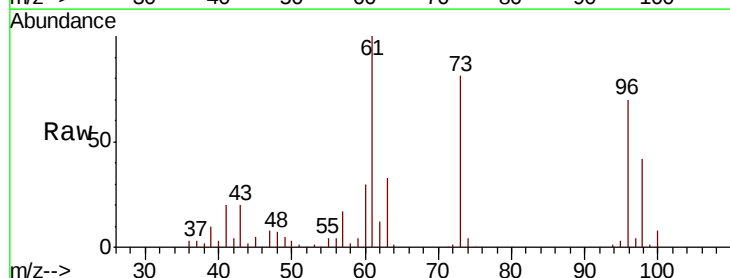
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



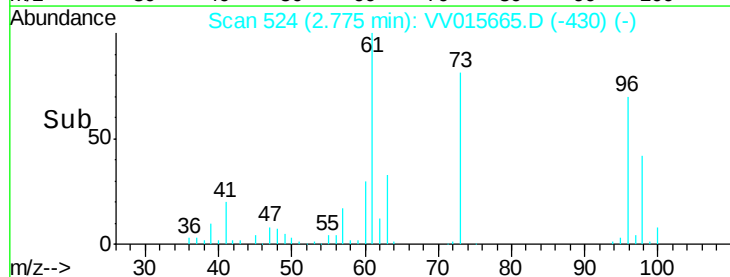
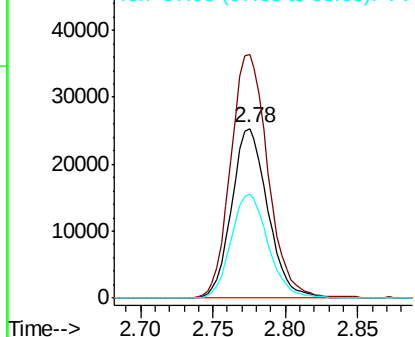
#18

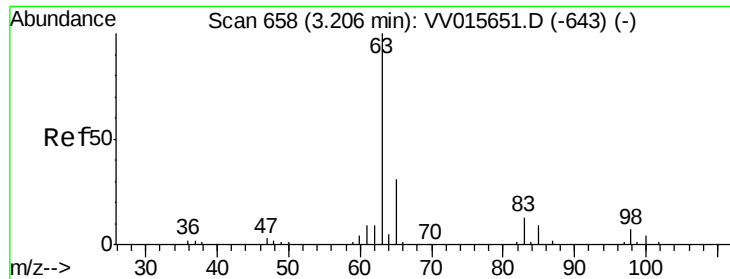
trans-1,2-Dichloroethene
 Concen: 4.973 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Tgt Ion: 96 Resp: 43721
 Ion Ratio Lower Upper
 96 100
 61 143.3 105.5 195.9
 98 60.9 44.2 82.0



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

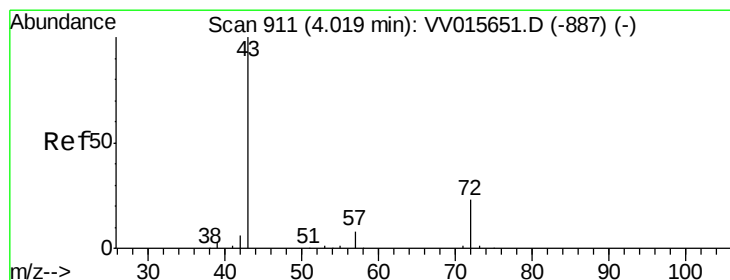
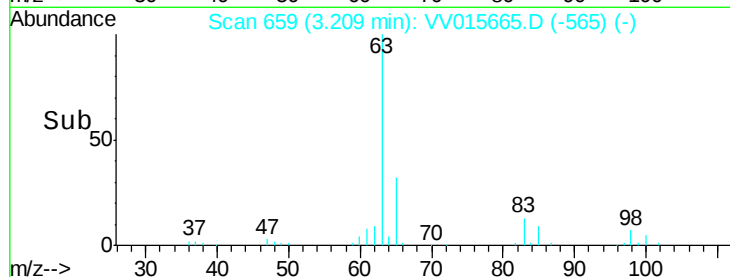
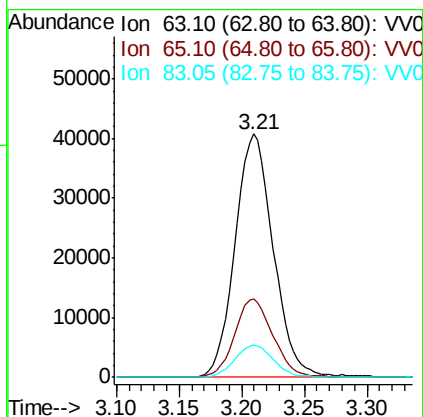
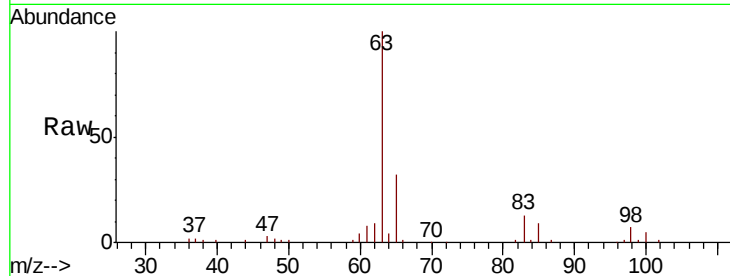




#19
 1,1-Dichloroethane
 Concen: 5.011 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

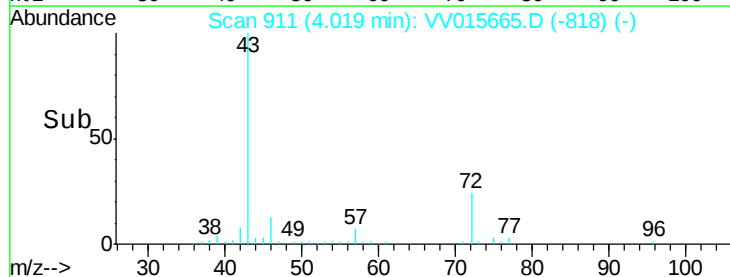
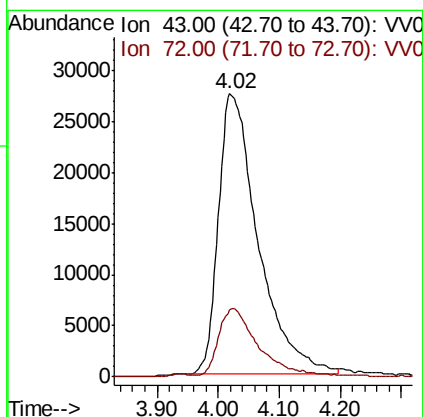
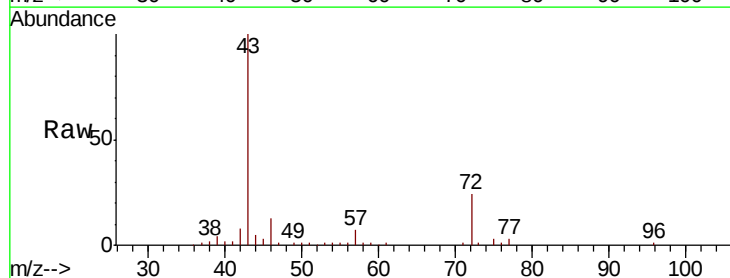
Instrument :
 MSVOA_V
 ClientSampleId :

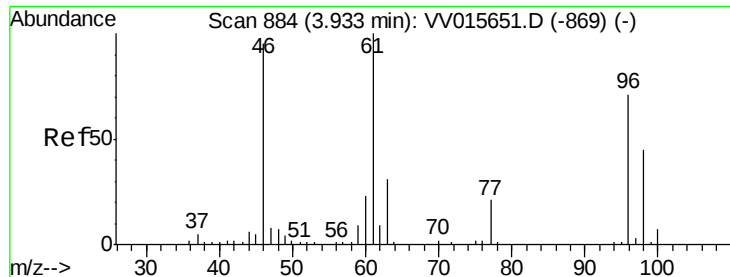
Tot Ion: 63 Resp: 86504
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.3 41.3
 83 13.2 9.3 17.3



#21
 2-Butanone
 Concen: 51.397 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Tgt Ion: 43 Resp: 124627
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.3 36.9



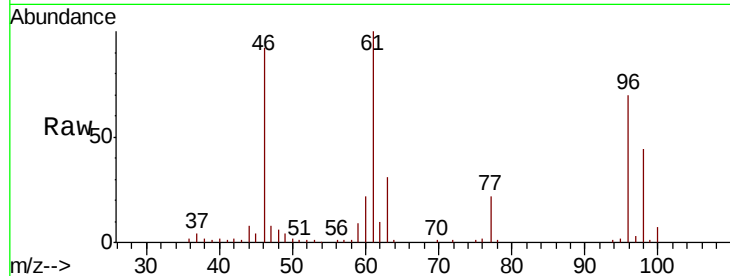


#22

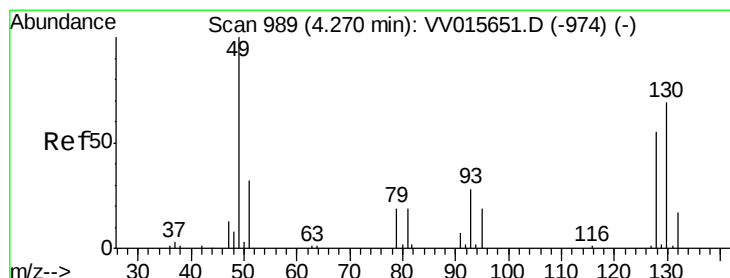
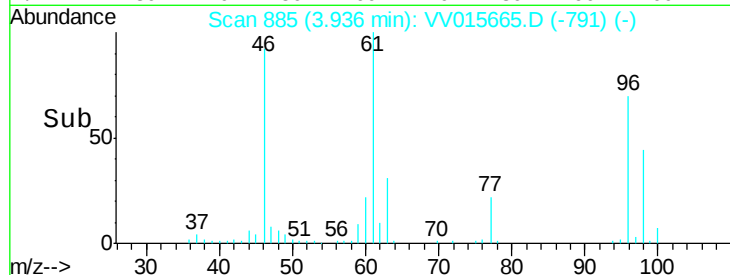
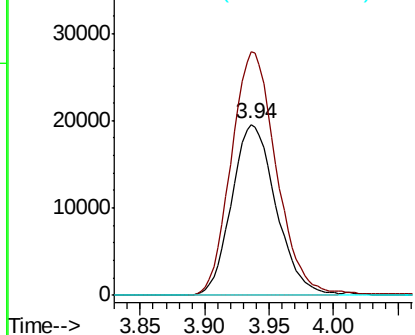
cis-1,2-Dichloroethene
Concen: 4.812 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015665.D
Acq: 23 Apr 2020 16:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 46781
Ion Ratio Lower Upper
96 100
61 142.4 96.4 179.0
68 0.0 0.0 0.0



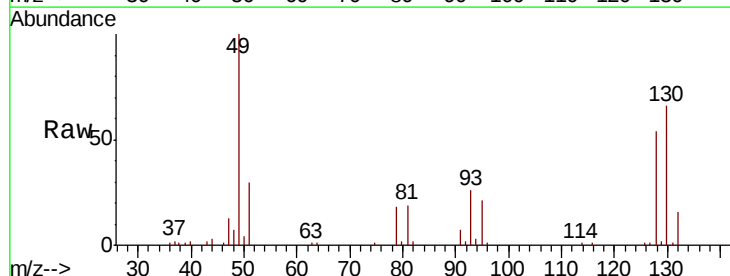
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



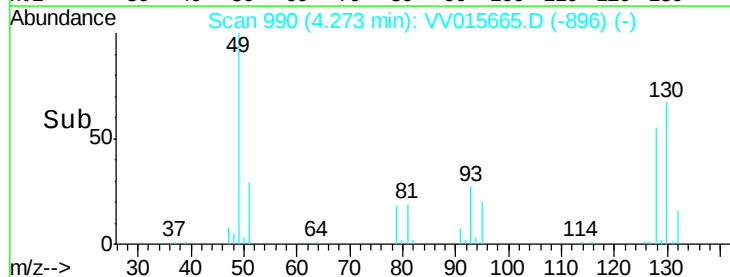
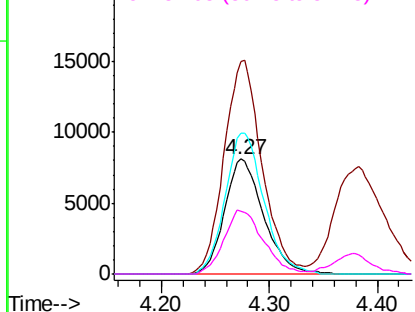
#23

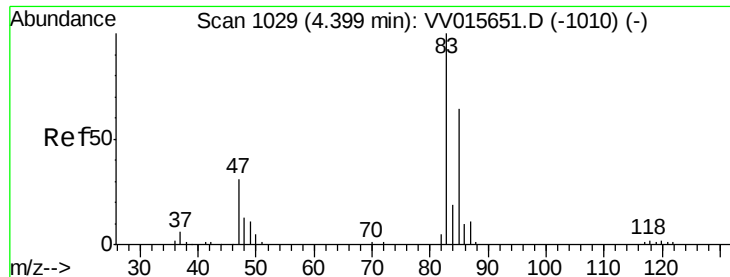
Bromochloromethane
Concen: 5.141 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV015665.D
Acq: 23 Apr 2020 16:13

Tgt Ion: 128 Resp: 20412
Ion Ratio Lower Upper
128 100
49 185.1 130.8 242.8
130 122.9 91.1 169.3
51 54.9 45.2 67.8



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

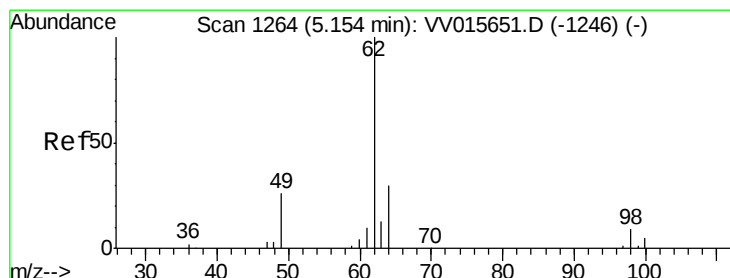
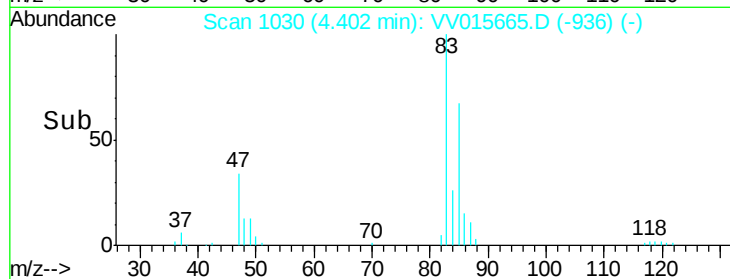
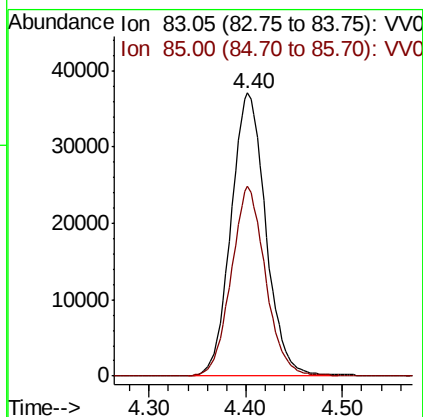
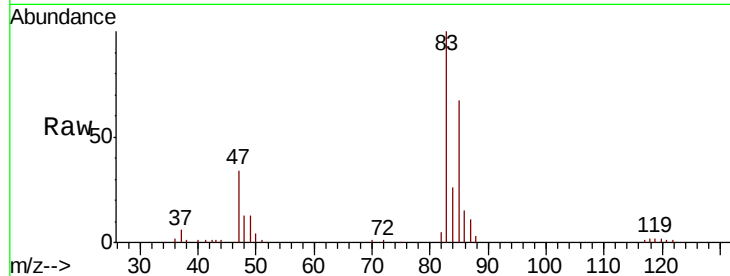




#25
Chloroform
Concen: 5.043 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015665.D
Acq: 23 Apr 2020 16:13

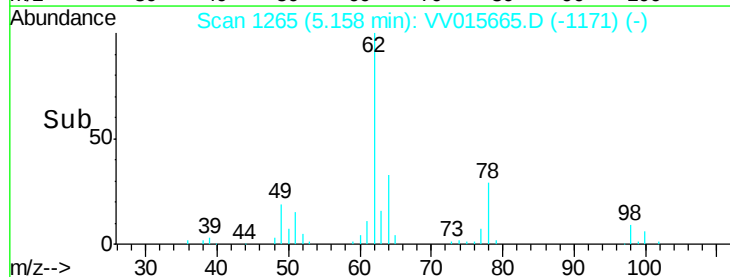
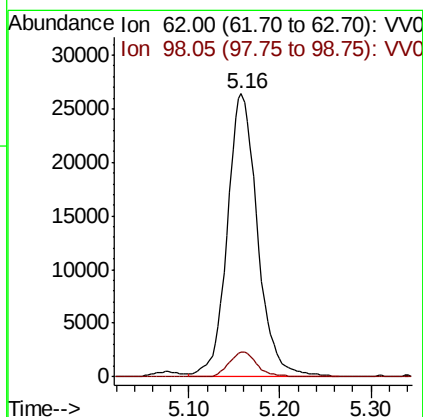
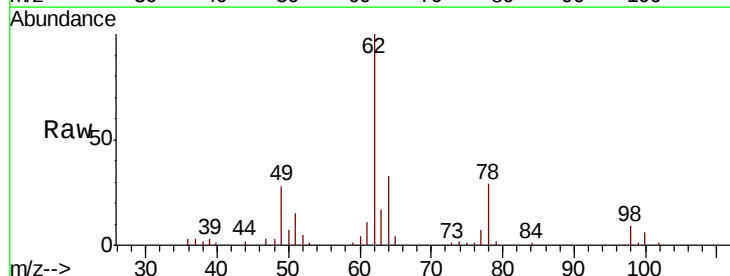
Instrument :
MSVOA_V
ClientSampleId :

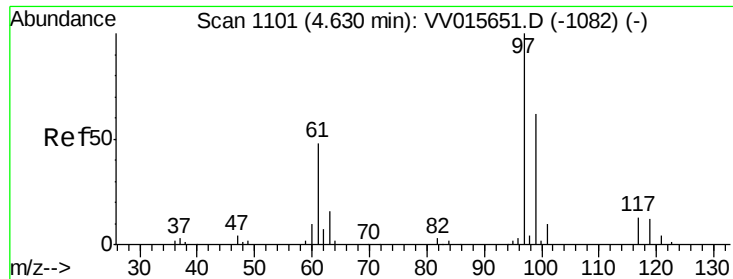
Tot Ion: 83 Resp: 92435
Ion Ratio Lower Upper
83 100
85 67.1 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.066 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015665.D
Acq: 23 Apr 2020 16:13

Tgt Ion: 62 Resp: 61004
Ion Ratio Lower Upper
62 100
98 8.8 6.3 9.5

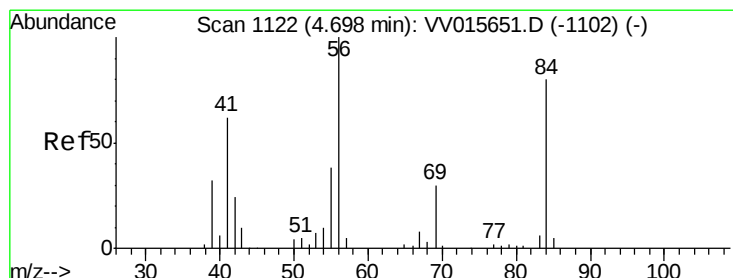
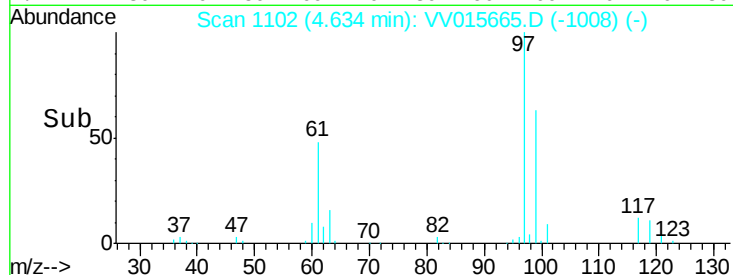
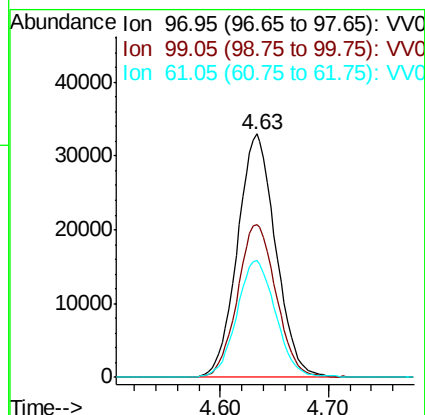
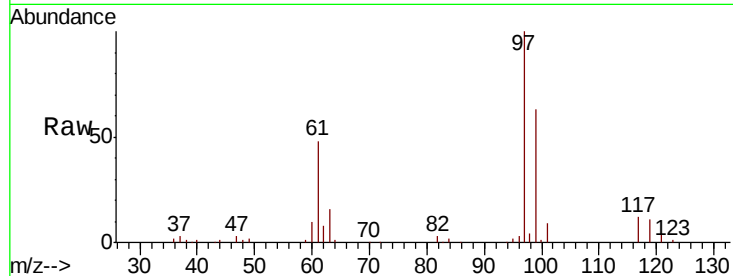




#29
 1,1,1-Trichloroethane
 Concen: 4.925 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

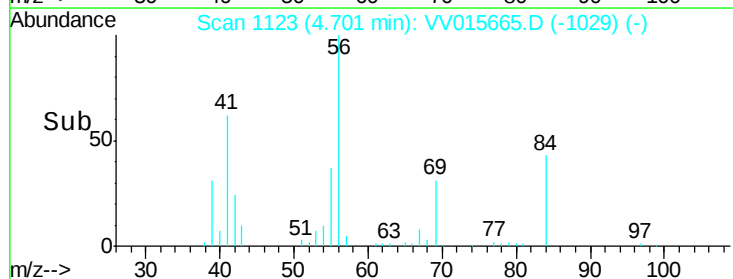
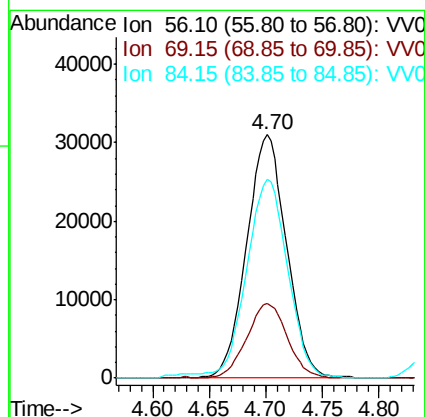
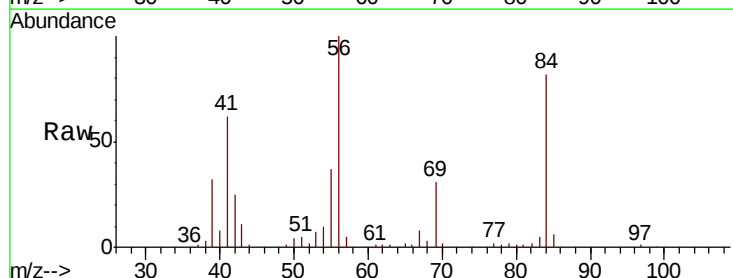
Instrument :
 MSVOA_V
 ClientSampled :

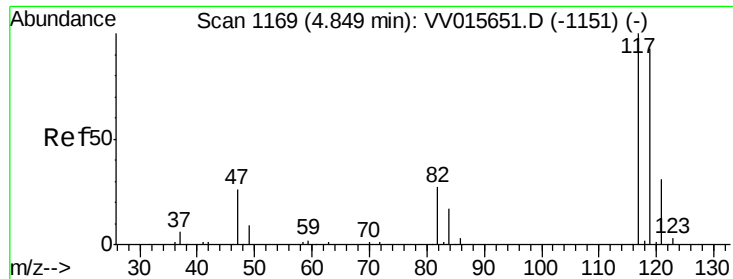
Tot Ion: 97 Resp: 81415
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.6 77.4
 61 48.6 38.6 57.8



#30
 Cyclohexane
 Concen: 4.814 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Tgt Ion: 56 Resp: 76034
 Ion Ratio Lower Upper
 56 100
 69 31.2 23.9 35.9
 84 84.1 66.9 100.3



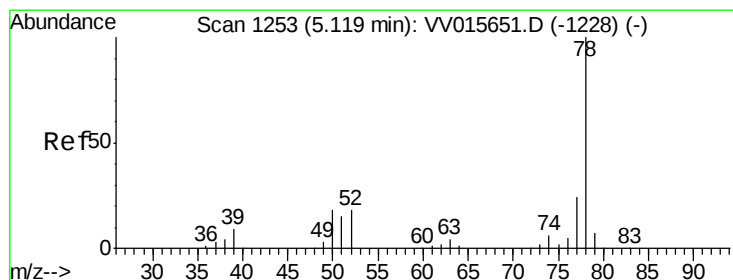
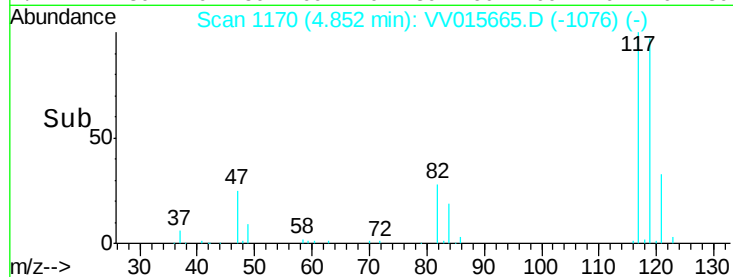
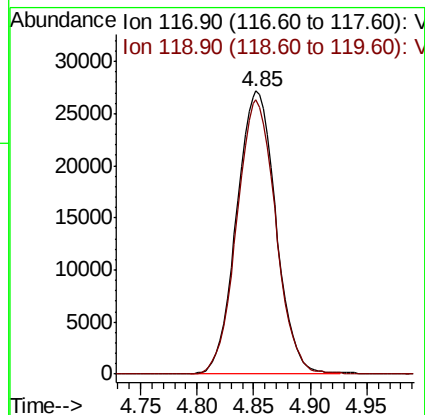
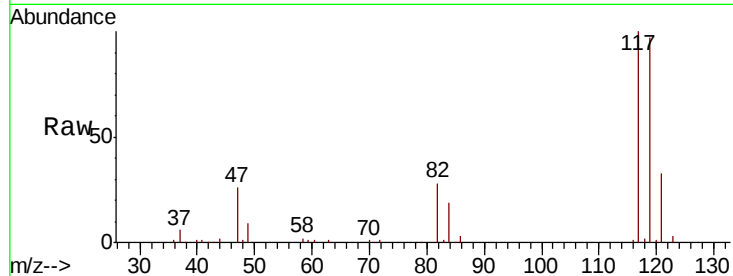


#31

Carbon tetrachloride
Concen: 4.795 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015665.D
Acq: 23 Apr 2020 16:13

Instrument :
MSVOA_V
ClientSampleId :

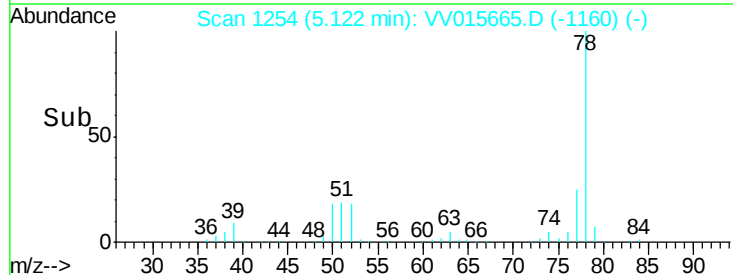
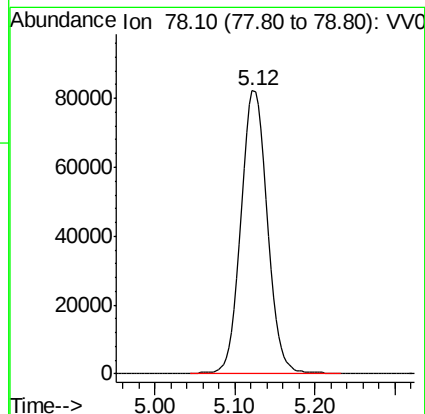
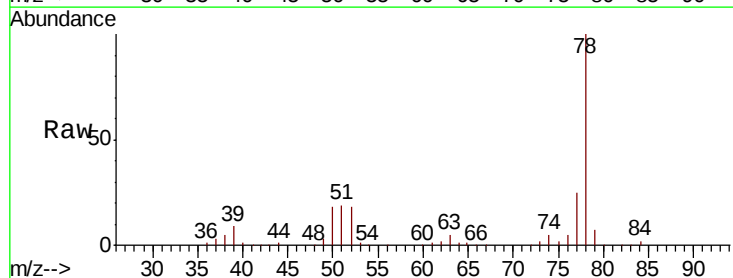
Tot Ion:117 Resp: 65652
Ion Ratio Lower Upper
117 100
119 96.0 75.6 113.4

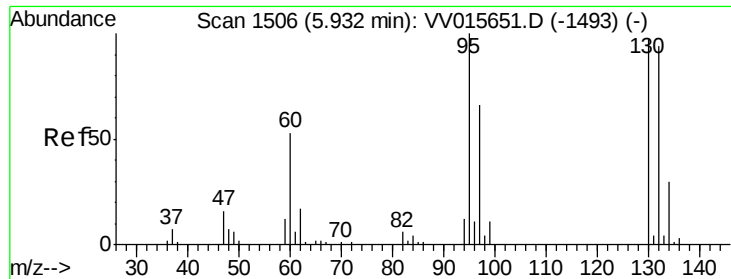


#33

Benzene
Concen: 4.923 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV015665.D
Acq: 23 Apr 2020 16:13

Tgt Ion: 78 Resp: 183345

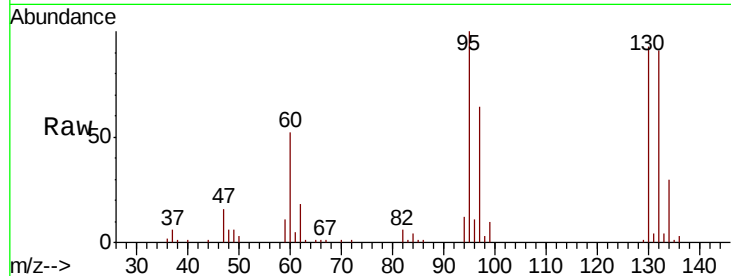




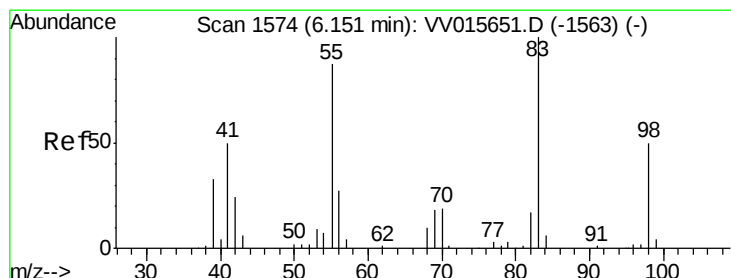
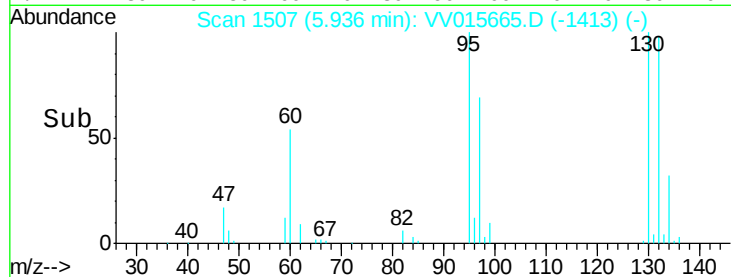
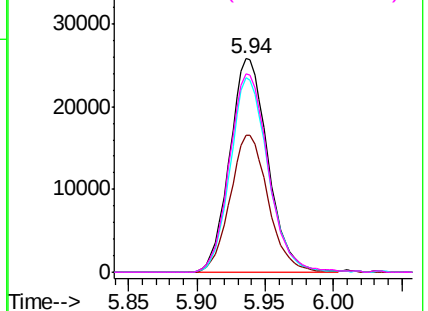
#34
 Trichloroethene
 Concen: 4.893 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 50322
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.7 82.9
 132 91.1 65.2 121.0
 130 92.7 65.0 120.6

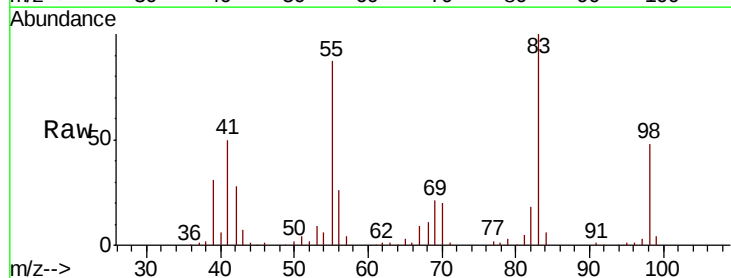


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

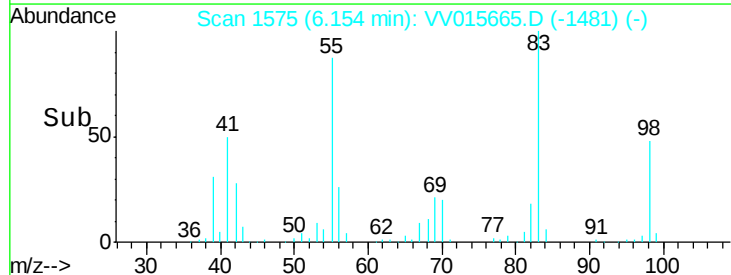
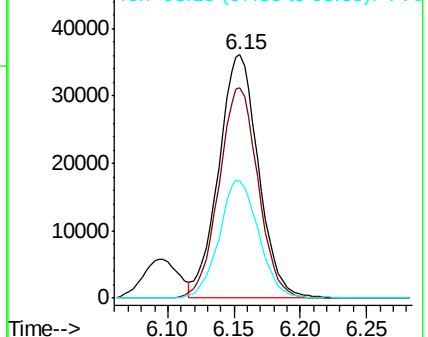


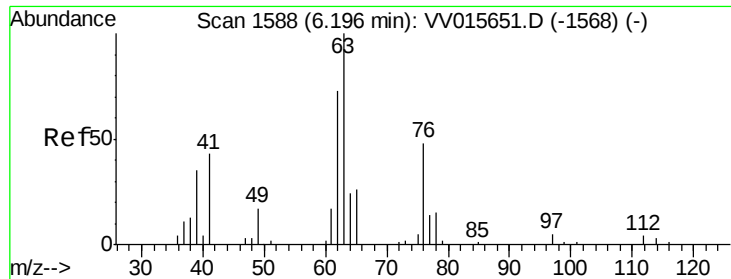
#35
 Methylcyclohexane
 Concen: 4.759 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Tgt Ion: 83 Resp: 75117
 Ion Ratio Lower Upper
 83 100
 55 84.1 66.6 99.8
 98 48.0 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

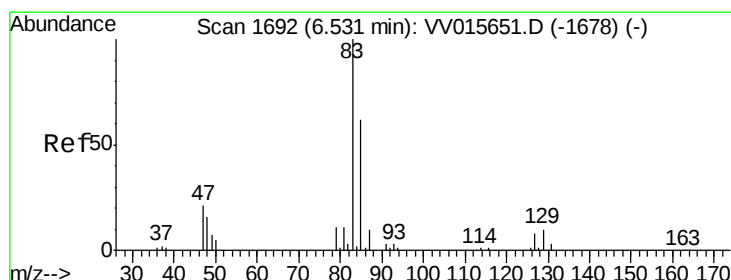
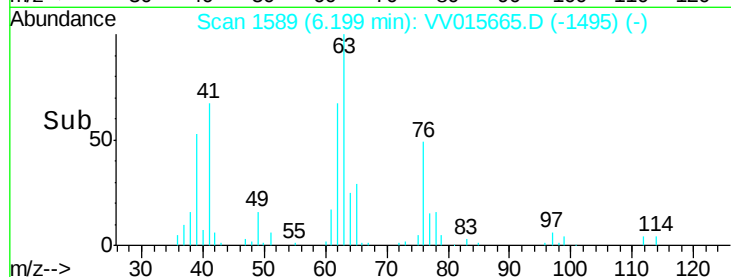
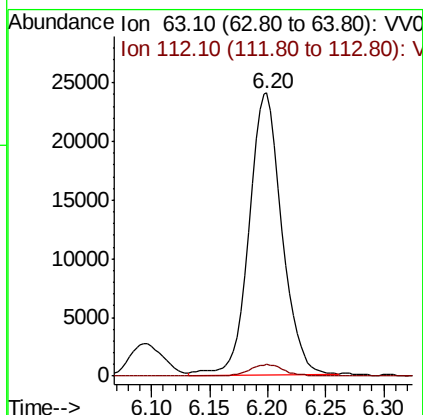
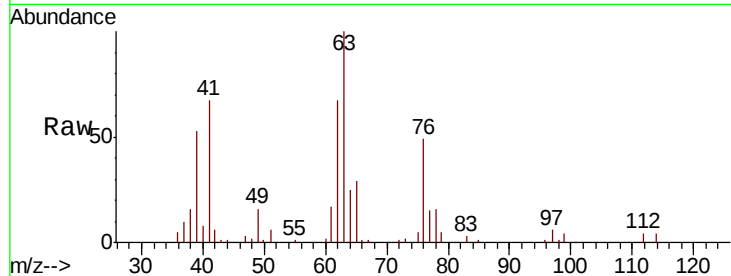




#37
 1,2-Dichloropropane
 Concen: 4.987 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

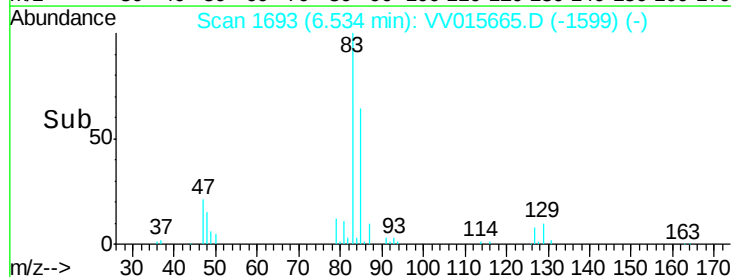
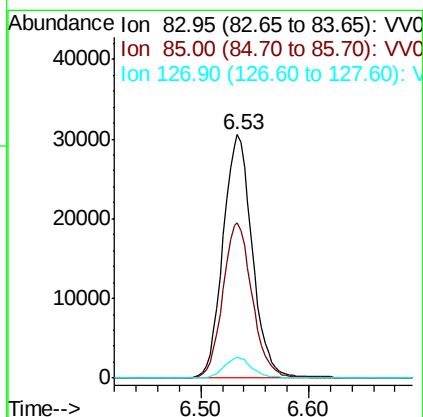
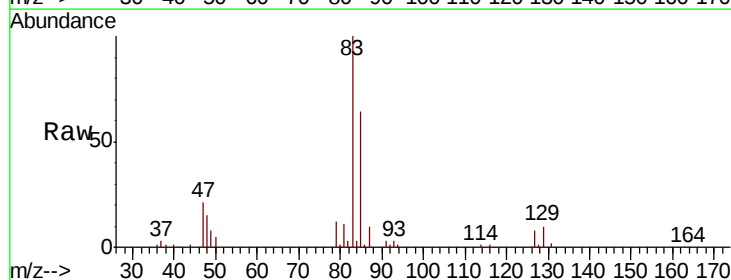
Instrument :
 MSVOA_V
 ClientSampleId :

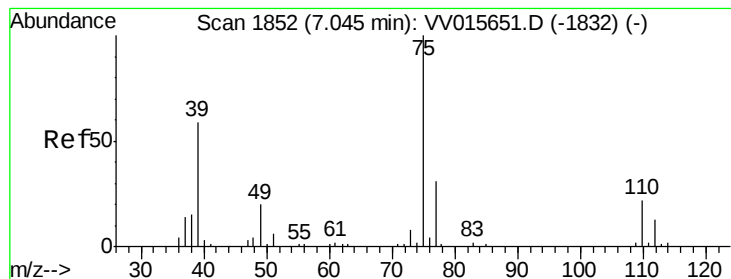
Tot Ion: 63 Resp: 47215
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.797 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Tgt Ion: 83 Resp: 57670
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.7 83.1
 127 8.4 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.758 ug/L

RT: 7.05 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

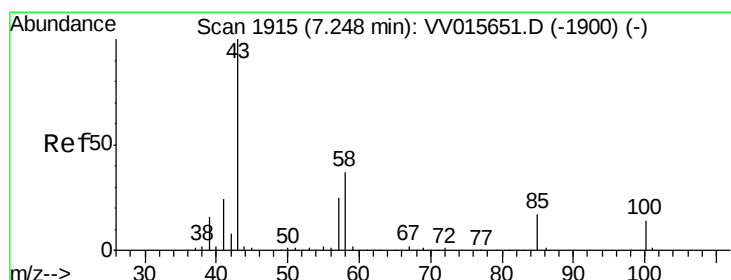
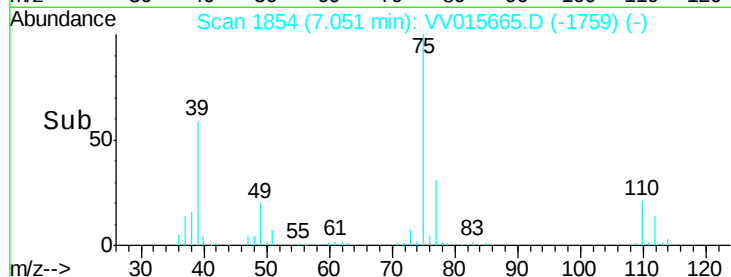
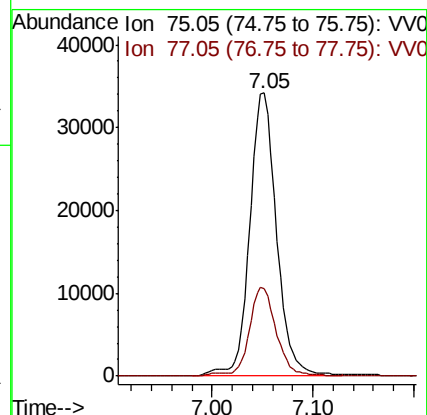
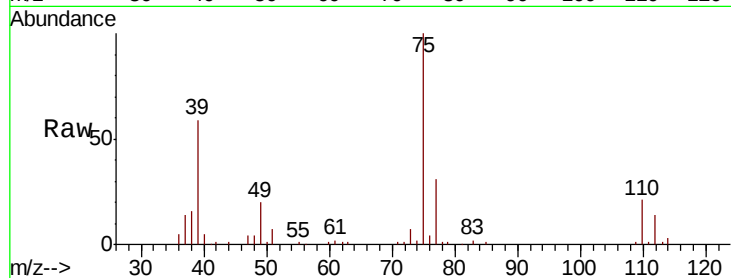
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 62780

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.436 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

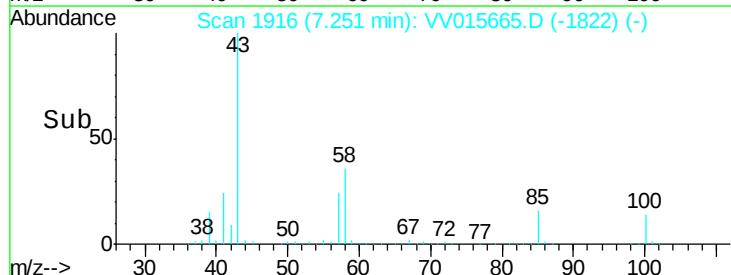
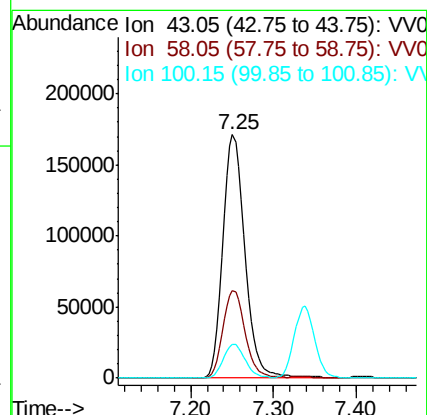
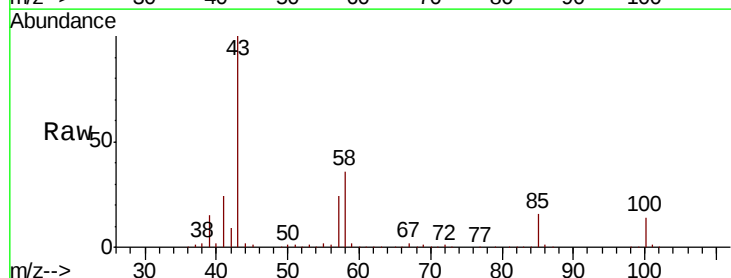
Tgt Ion: 43 Resp: 316024

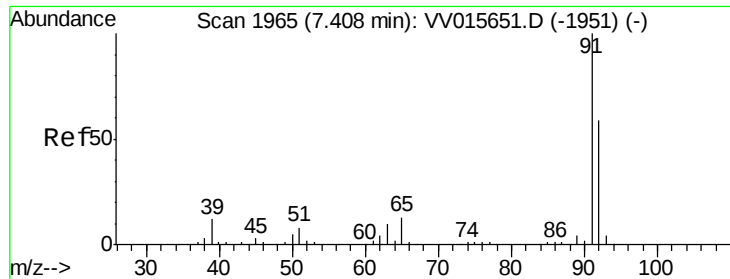
Ion Ratio Lower Upper

43 100

58 36.0 29.2 43.8

100 13.8 11.4 17.2





#42

Toluene

Concen: 4.938 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :

MSVOA_V

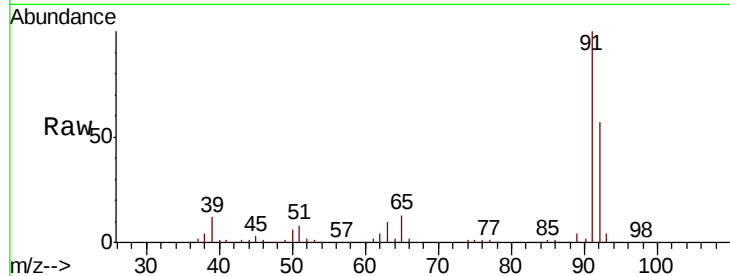
ClientSampleId :

Tot Ion: 91 Resp: 196511

Ion Ratio Lower Upper

91 100

92 57.2 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

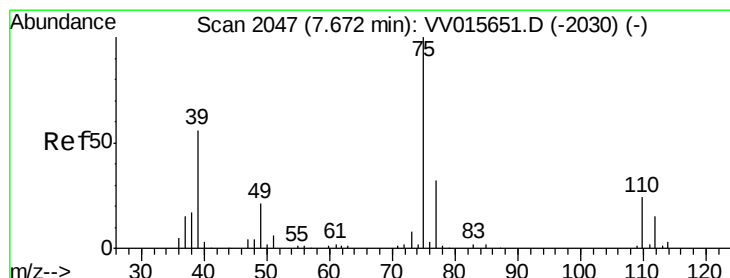
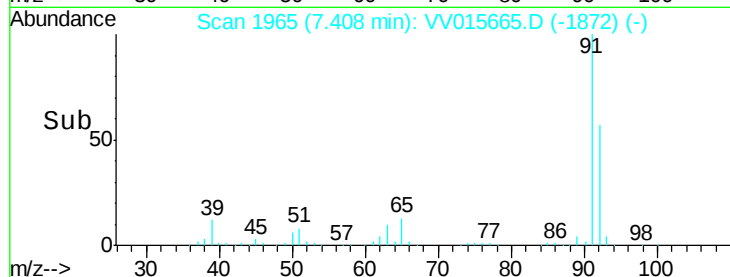
7.41

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.761 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015665.D

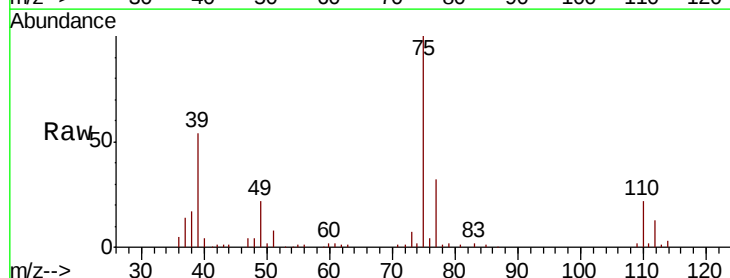
Acq: 23 Apr 2020 16:13

Tgt Ion: 75 Resp: 52798

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

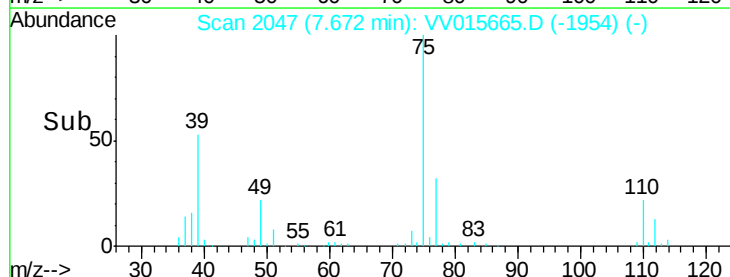
30000

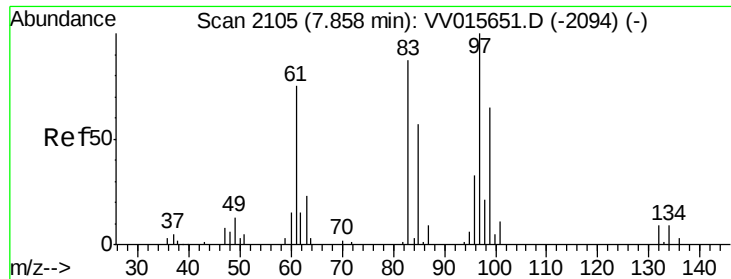
20000

10000

0

Time--> 7.60 7.70 7.80

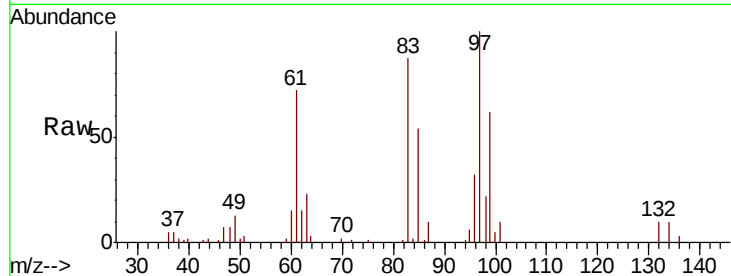




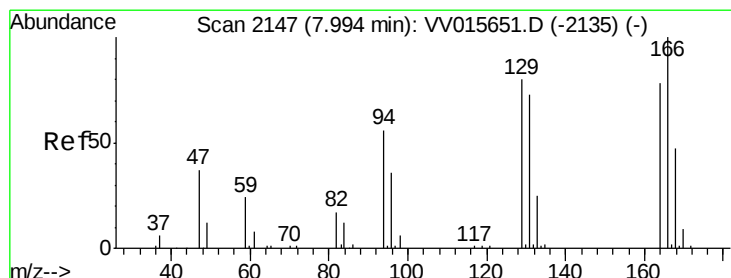
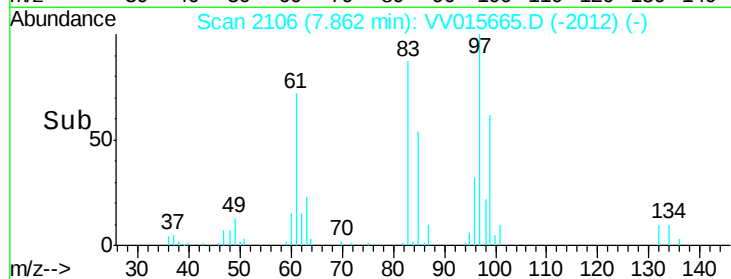
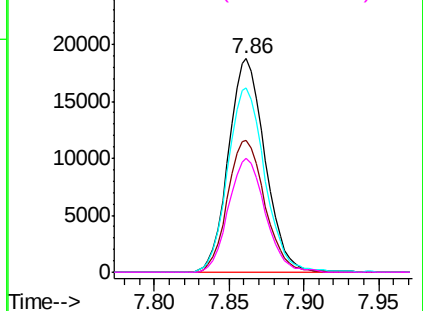
#45
 1,1,2-Trichloroethane
 Concen: 4.948 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion:	97	Resp:	31926
Ion	Ratio	Lower	Upper
97	100		
99	61.7	45.4	84.4
83	86.6	61.3	113.9
85	53.5	38.4	71.4

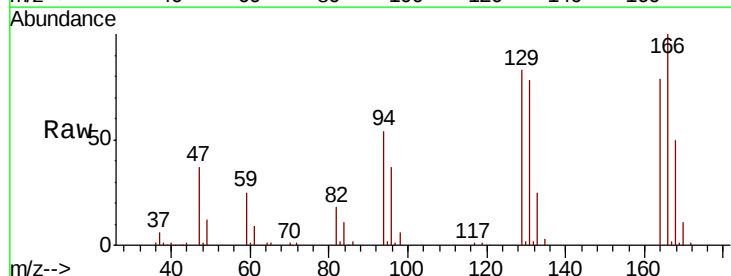


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

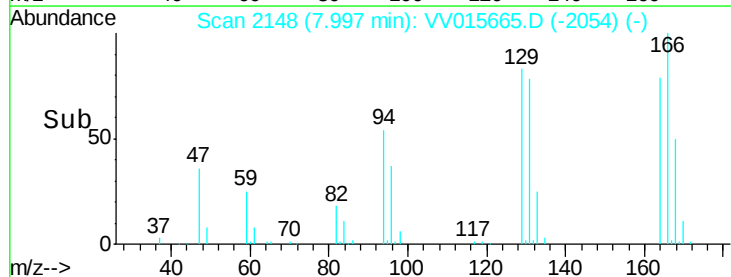
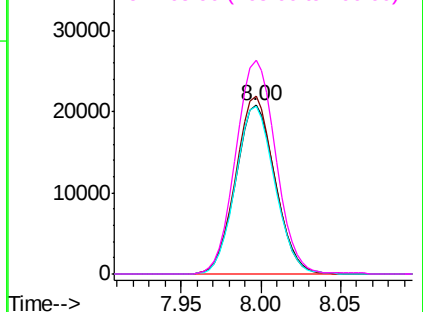


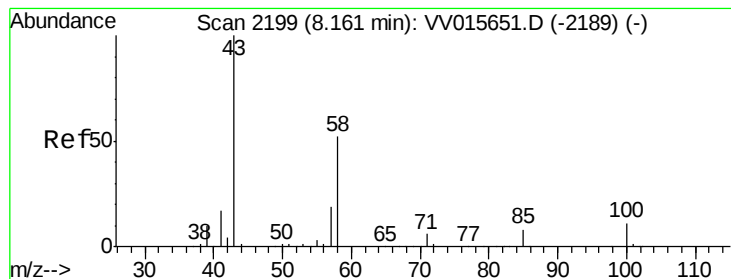
#47
 Tetrachloroethene
 Concen: 4.736 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Tgt Ion:	164	Resp:	35071
Ion	Ratio	Lower	Upper
164	100		
129	105.4	66.7	123.9
131	99.2	66.6	123.6
166	126.5	85.3	158.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 51.599 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 226077

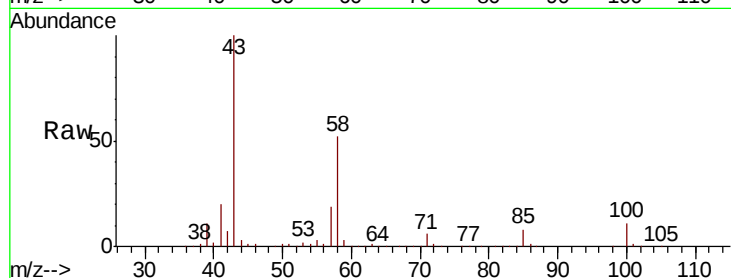
Ion Ratio Lower Upper

43 100

58 51.1 41.1 61.7

57 18.0 15.0 22.4

100 11.1 9.0 13.4

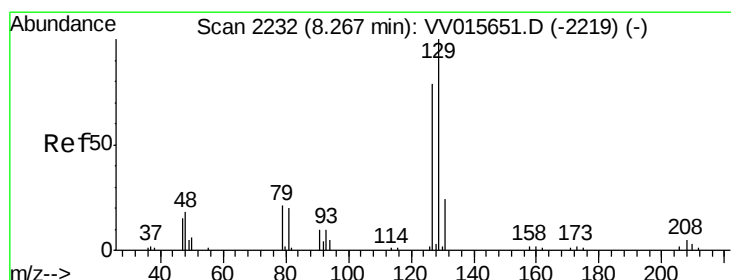
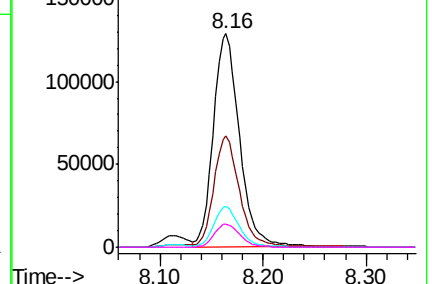
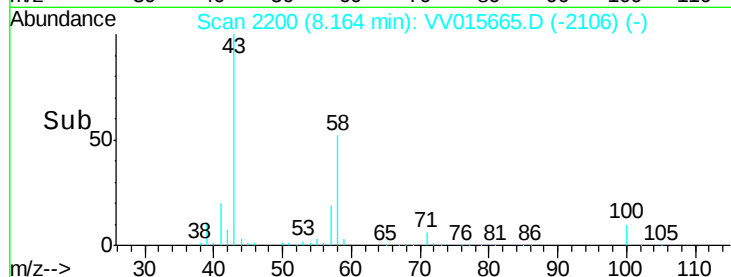


Abundance Ion 43.05 (42.75 to 43.75): VV015665.D (-2199) (-)

Ion 58.05 (57.75 to 58.75): VV015665.D (-2199) (-)

Ion 57.20 (56.90 to 57.90): VV015665.D (-2199) (-)

Ion 100.15 (99.85 to 100.85): VV015665.D (-2199) (-)



#49

Dibromochloromethane

Concen: 4.679 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV015665.D

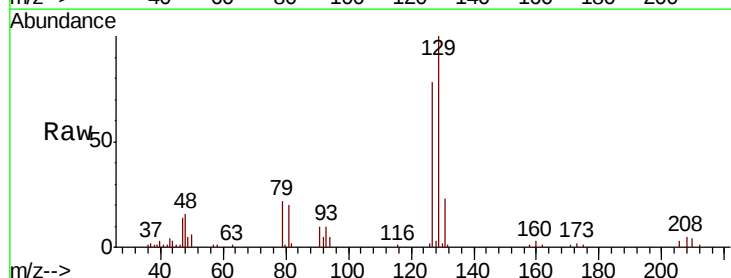
Acq: 23 Apr 2020 16:13

Tgt Ion: 129 Resp: 31242

Ion Ratio Lower Upper

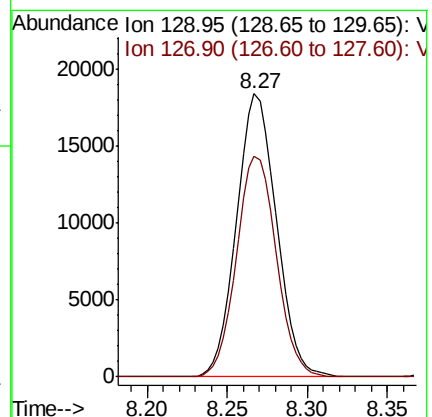
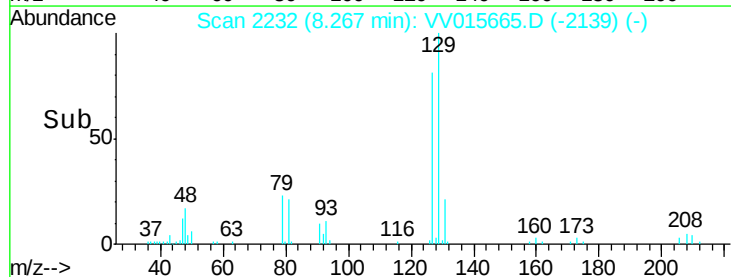
129 100

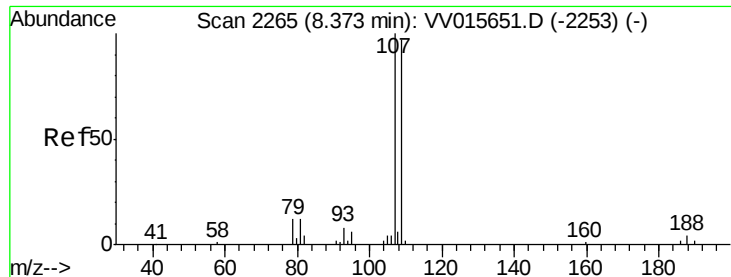
127 78.2 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015665.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VV015665.D (-2232) (-)

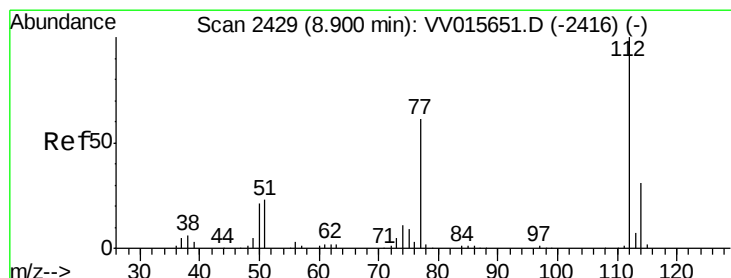
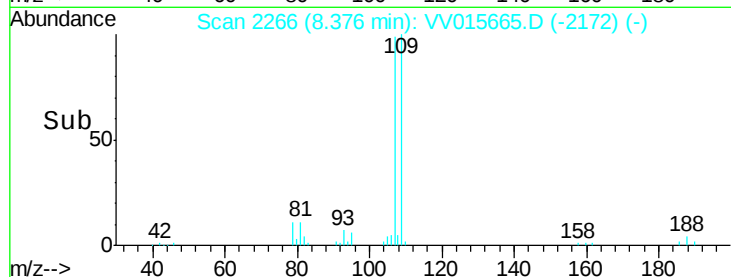
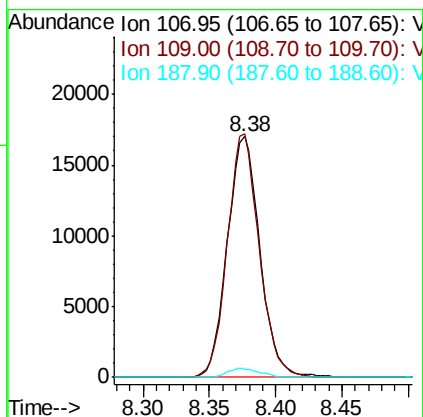
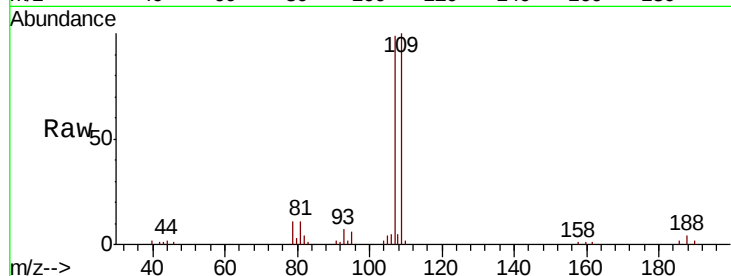




#50
 1,2-Dibromoethane
 Concen: 4.876 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

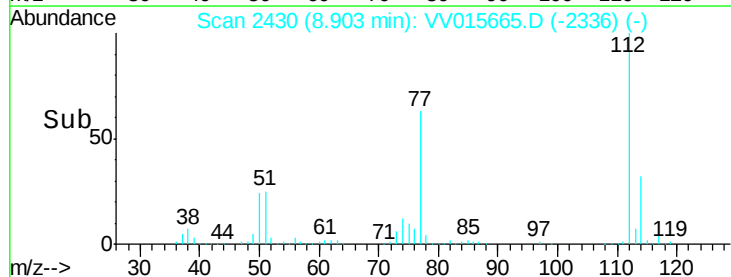
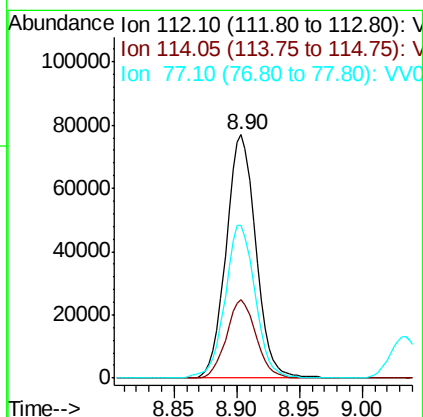
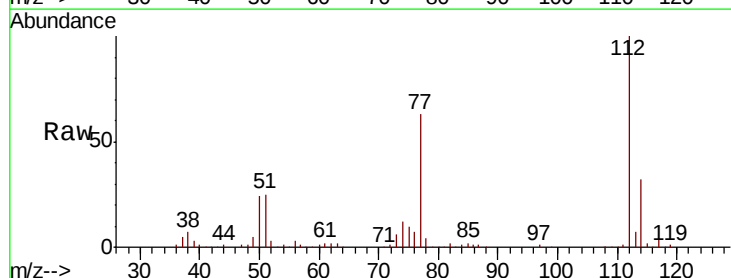
Instrument :
 MSVOA_V
 ClientSampleId :

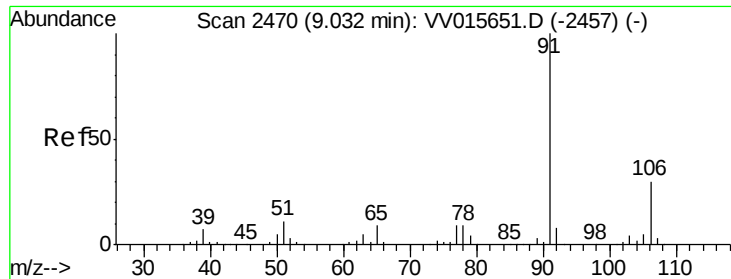
Tot Ion:107 Resp: 29096
 Ion Ratio Lower Upper
 107 100
 109 101.1 68.1 126.5
 188 3.6 3.2 4.8



#51
 Chlorobenzene
 Concen: 4.851 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Tgt Ion:112 Resp: 126473
 Ion Ratio Lower Upper
 112 100
 114 32.0 21.6 40.2
 77 62.8 48.9 73.3





#52

Ethylbenzene

Concen: 4.886 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

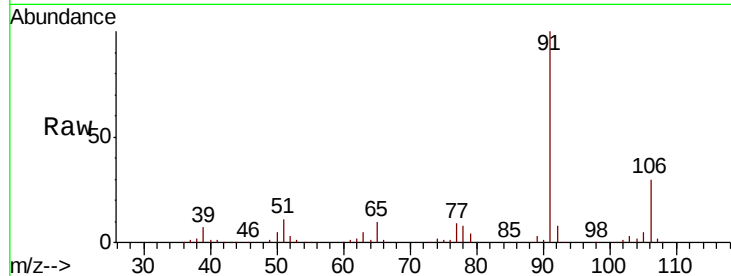
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 225016

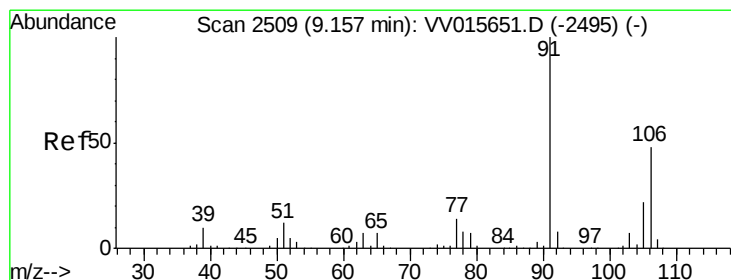
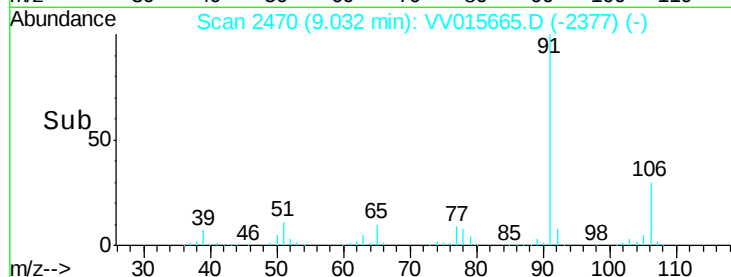
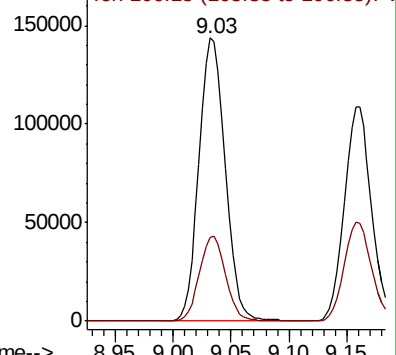
Ion Ratio Lower Upper

91 100

106 29.7 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015665.D (-2377) (-)



#53

m,p-xylene

Concen: 4.956 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015665.D

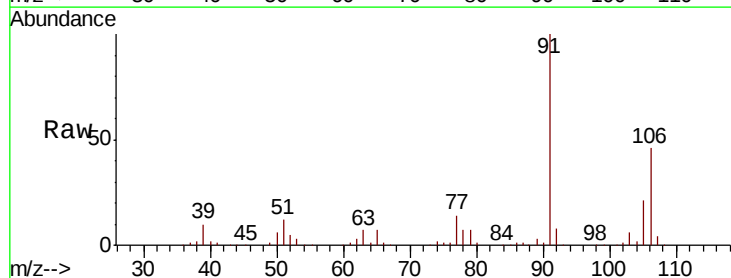
Acq: 23 Apr 2020 16:13

Tgt Ion: 106 Resp: 83594

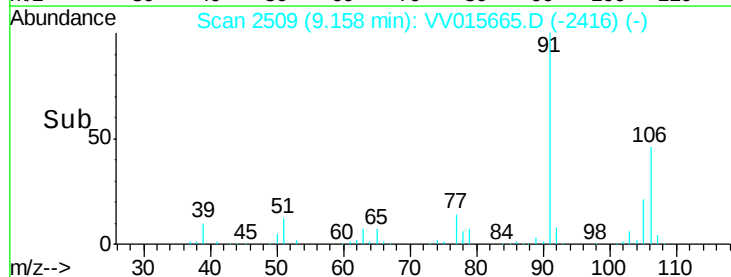
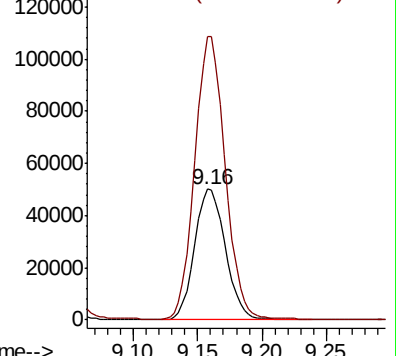
Ion Ratio Lower Upper

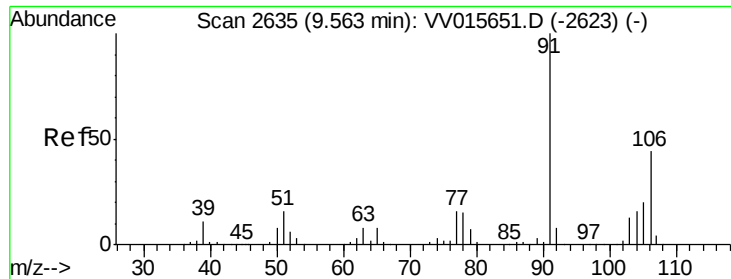
106 100

91 216.7 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015665.D (-2416) (-)





#54

o-xylene

Concen: 4.953 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

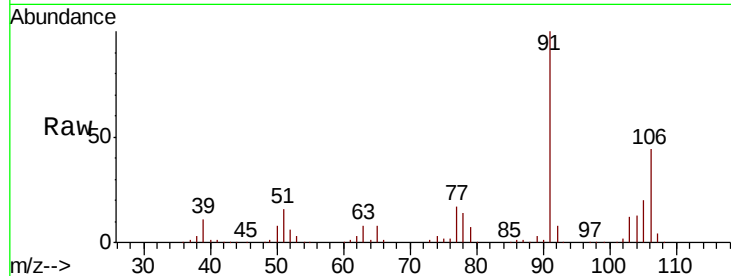
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 80844

Ion Ratio Lower Upper

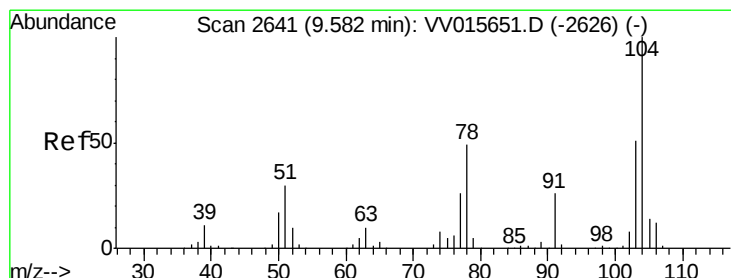
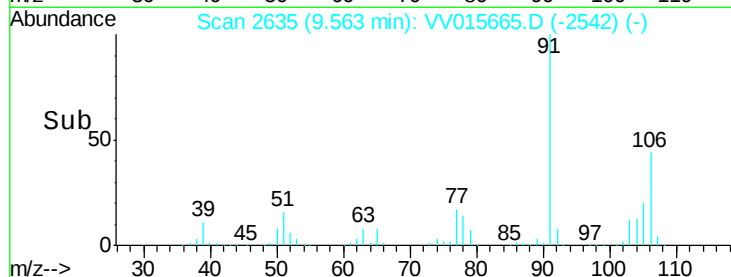
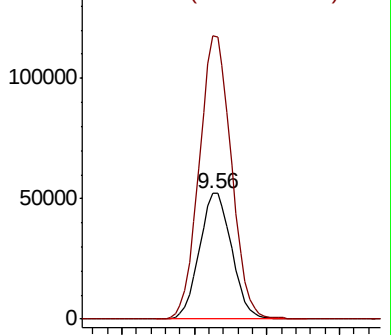
106 100

91 225.4 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.041 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015665.D

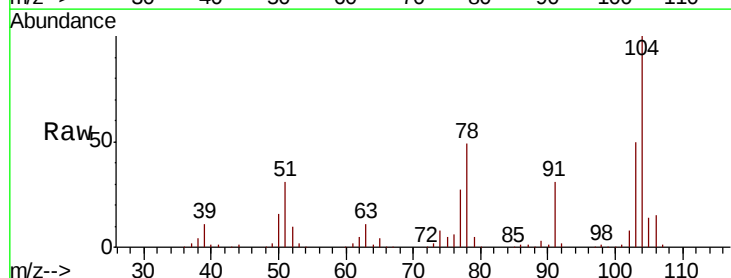
Acq: 23 Apr 2020 16:13

Tgt Ion:104 Resp: 139625

Ion Ratio Lower Upper

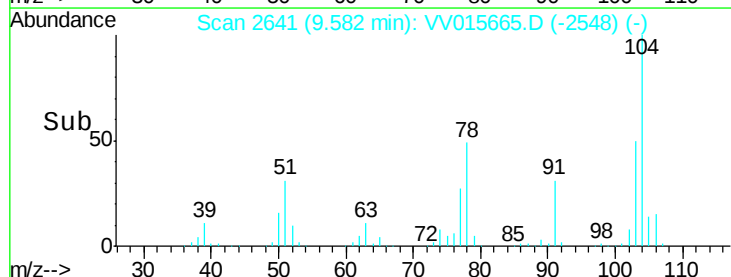
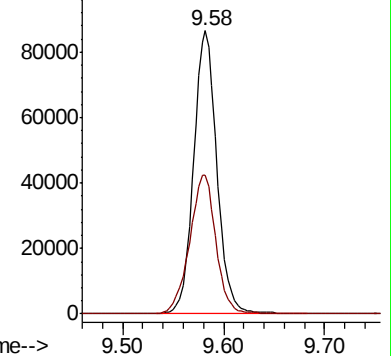
104 100

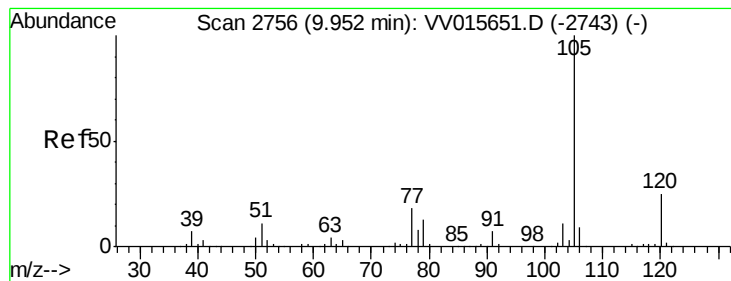
78 49.2 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.899 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :
MSVOA_V
ClientSampleId :

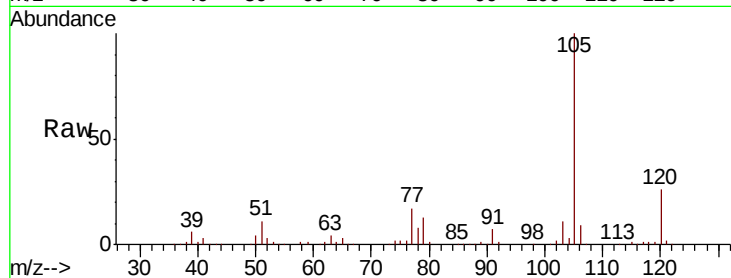
Tot Ion:105 Resp: 224335

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

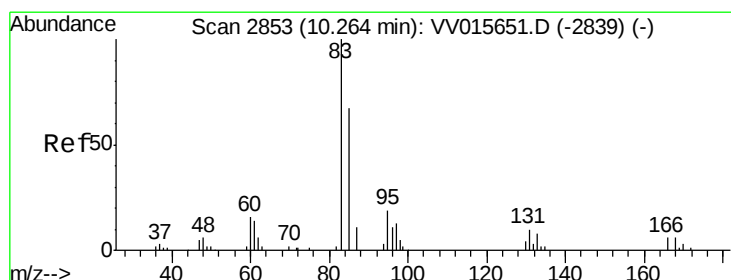
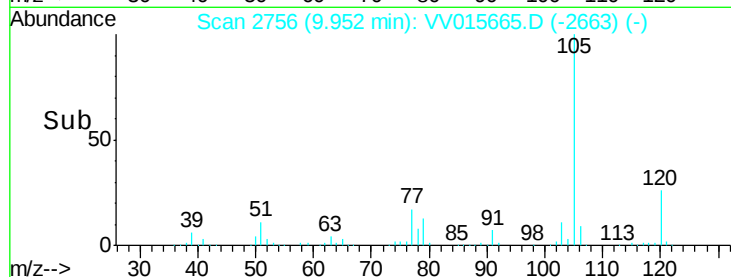
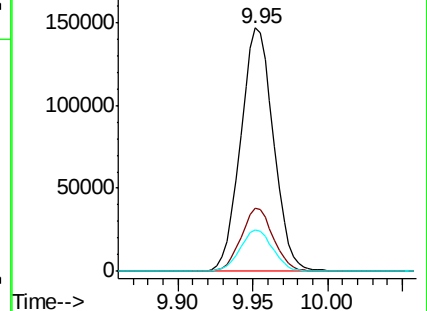
77 17.1 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): VV015651.D (-2743) (-)

Ion 120.10 (119.80 to 120.80): VV015651.D (-2743) (-)

Ion 77.10 (76.80 to 77.80): VV015651.D (-2743) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.021 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

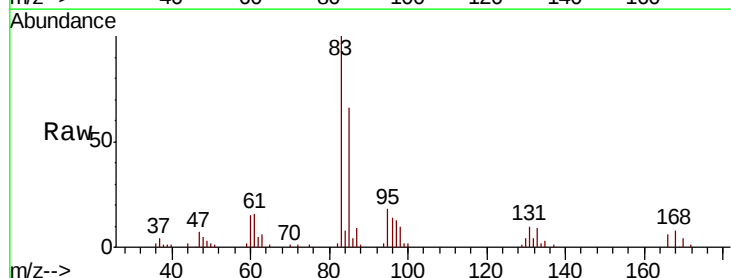
Tgt Ion: 83 Resp: 37827

Ion Ratio Lower Upper

83 100

85 66.0 46.3 85.9

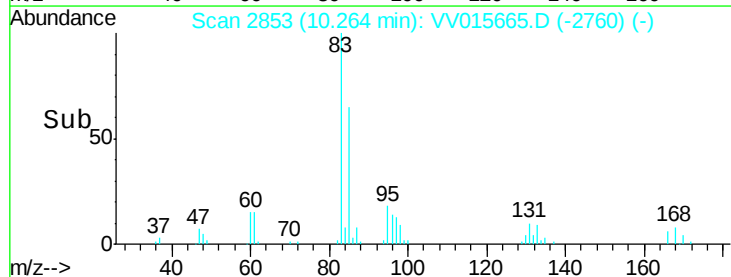
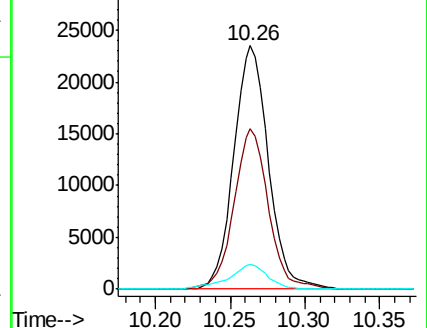
131 10.0 7.7 11.5

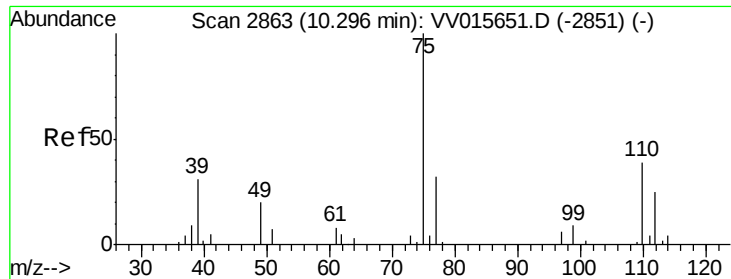


Abundance Ion 82.95 (82.65 to 83.65): VV015651.D (-2839) (-)

Ion 85.00 (84.70 to 85.70): VV015651.D (-2839) (-)

Ion 130.95 (130.65 to 131.65): VV015651.D (-2839) (-)





#59

1,2,3-Trichloropropane

Concen: 4.915 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :

MSVOA_V

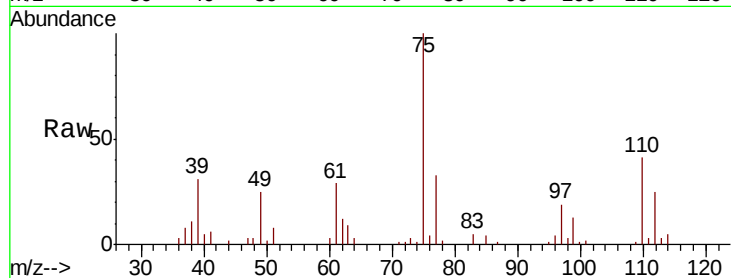
ClientSampleId :

Tot Ion: 75 Resp: 29708

Ion Ratio Lower Upper

75 100

77 33.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015651.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015651.D (-2851) (-)

10.30

20000

15000

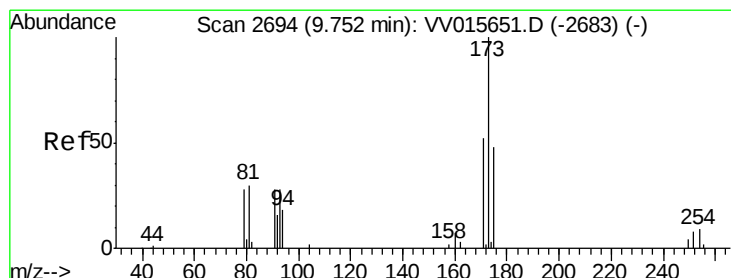
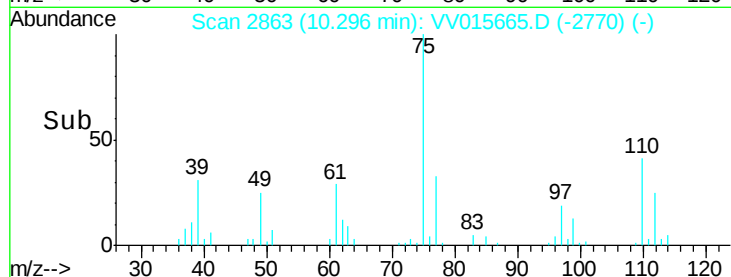
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 4.395 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

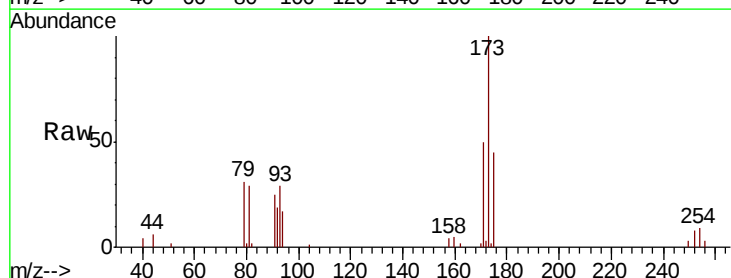
Tgt Ion: 173 Resp: 12102

Ion Ratio Lower Upper

173 100

175 47.7 39.8 59.8

254 8.6 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): VV015651.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015651.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015651.D (-2683) (-)

9.75

10000

8000

6000

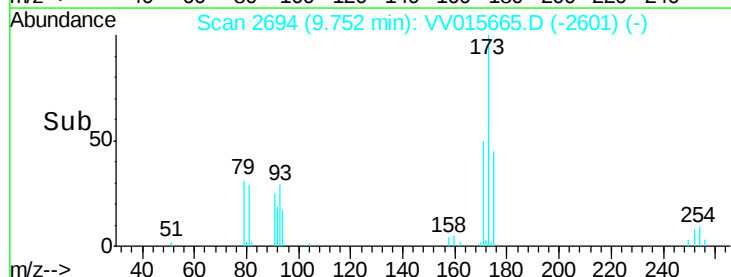
4000

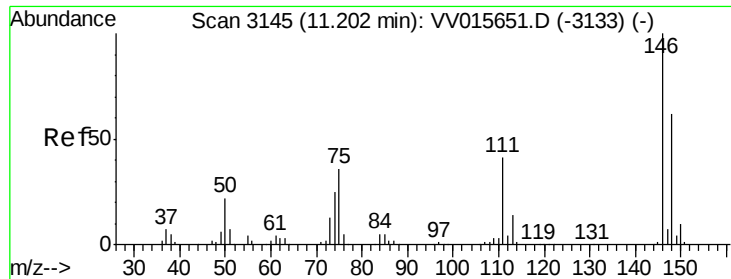
2000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 4.839 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :

MSVOA_V

ClientSampled :

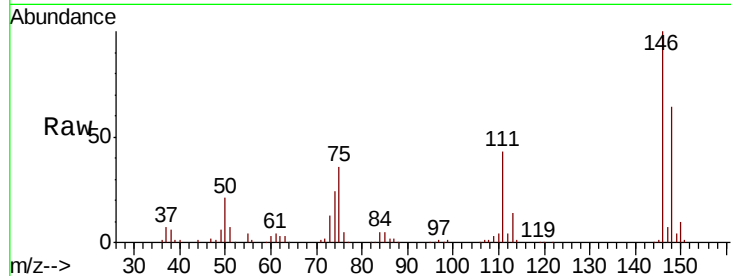
Tot Ion:146 Resp: 102168

Ion Ratio Lower Upper

146 100

111 42.7 30.0 55.6

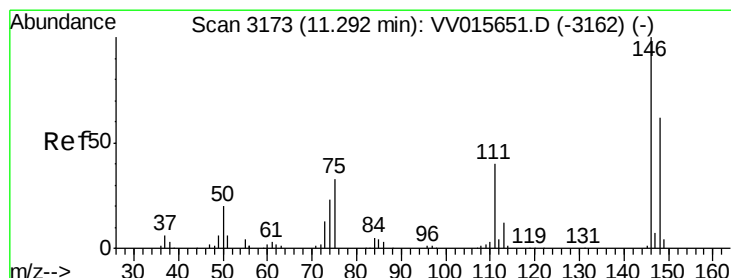
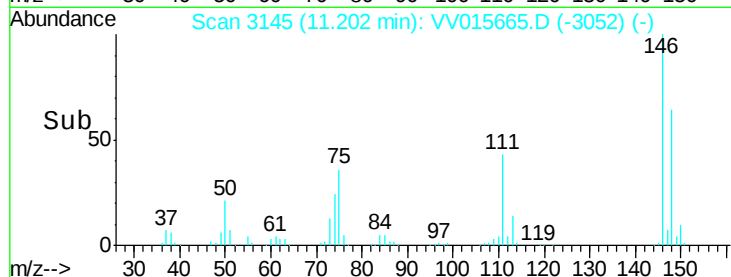
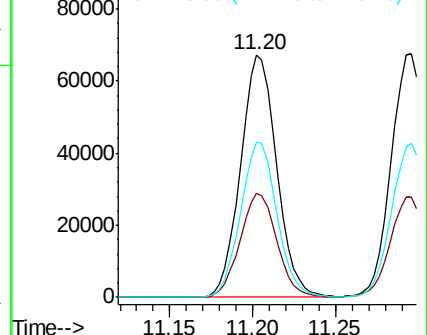
148 64.0 44.2 82.2



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: 4.910 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

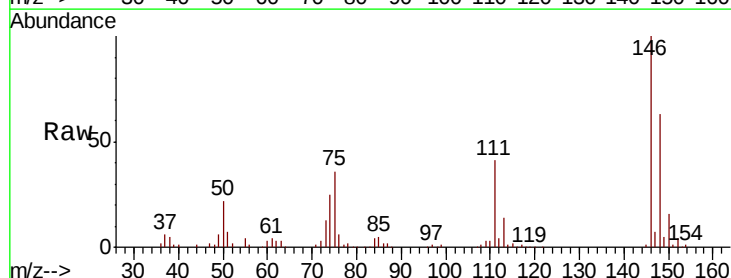
Tgt Ion:146 Resp: 104548

Ion Ratio Lower Upper

146 100

111 41.2 28.2 52.4

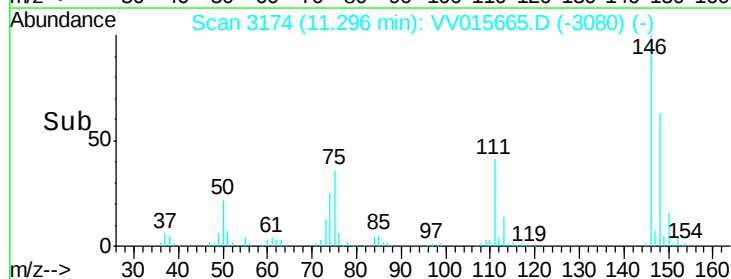
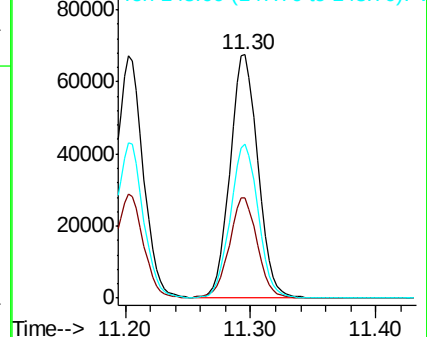
148 63.2 45.7 84.9

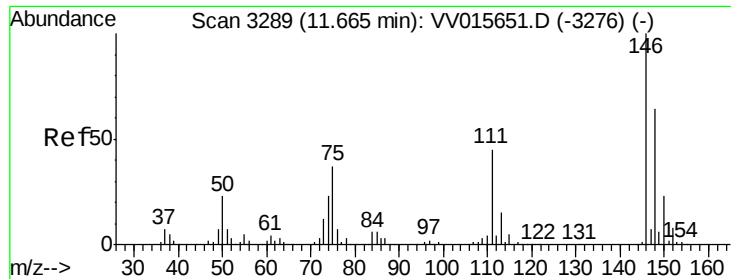


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.954 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :

MSVOA_V

ClientSampleId :

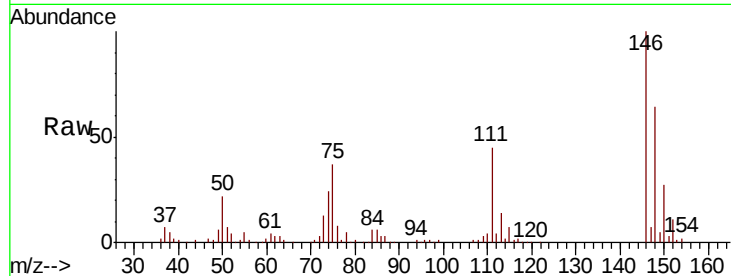
Tot Ion:146 Resp: 94595

Ion Ratio Lower Upper

146 100

111 44.5 34.7 52.1

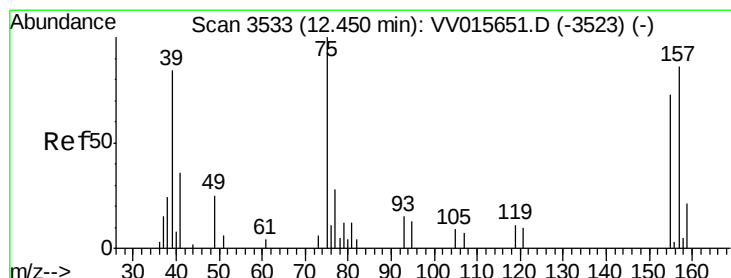
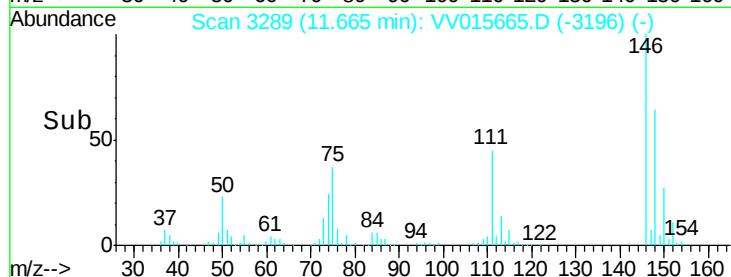
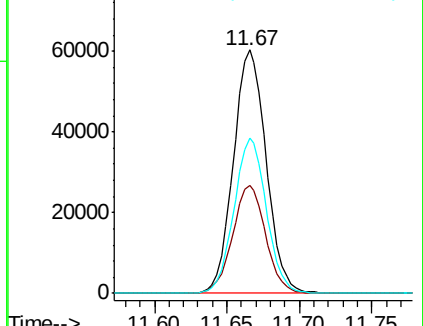
148 63.7 51.3 76.9



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: 4.939 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

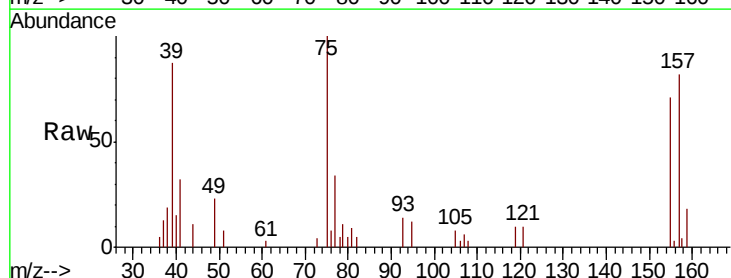
Tgt Ion: 75 Resp: 6145

Ion Ratio Lower Upper

75 100

155 71.2 51.0 76.4

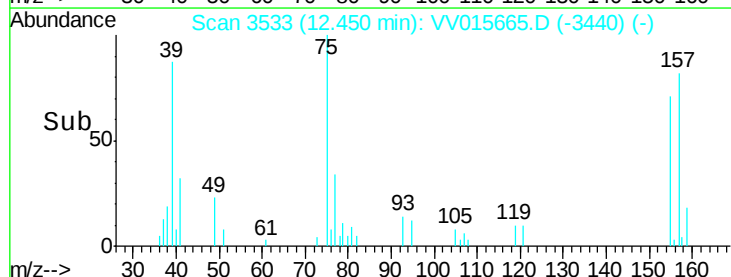
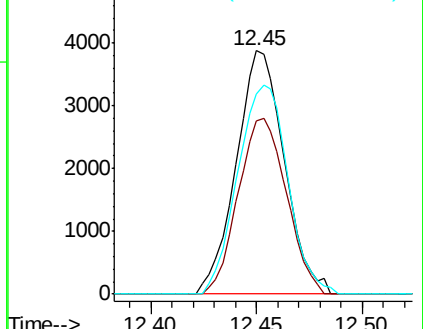
157 82.2 70.6 106.0

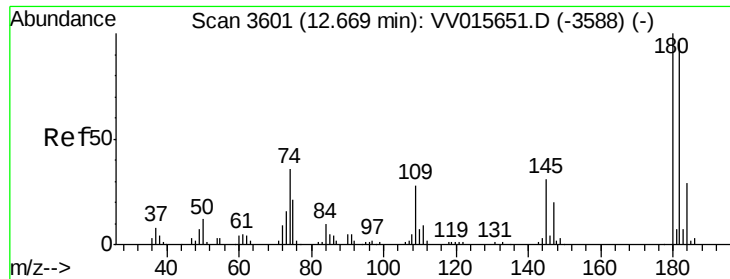


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

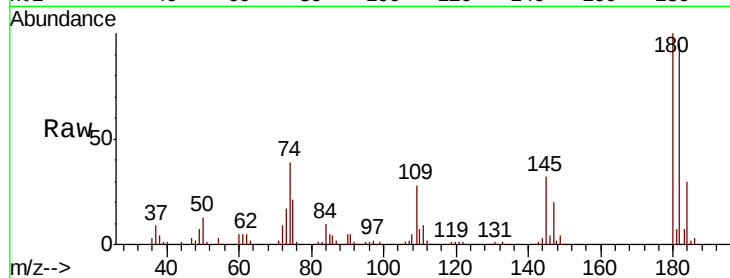




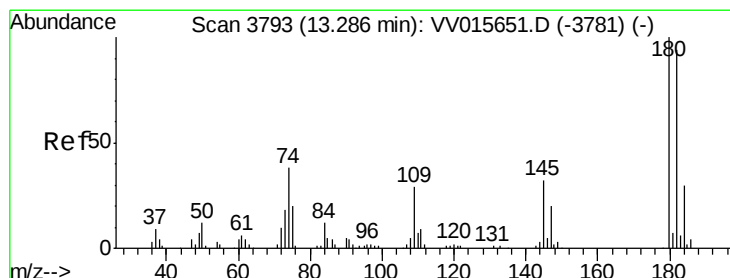
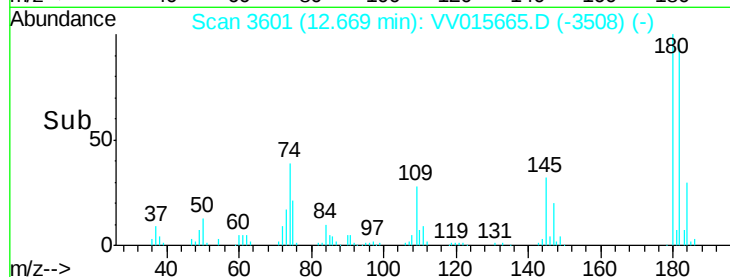
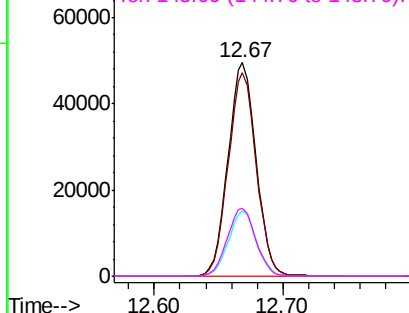
#67
 1,3,5-Trichlorobenzene
 Concen: 4.780 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 74591
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.2 117.4
 184 30.6 25.0 37.4
 145 32.2 26.4 39.6

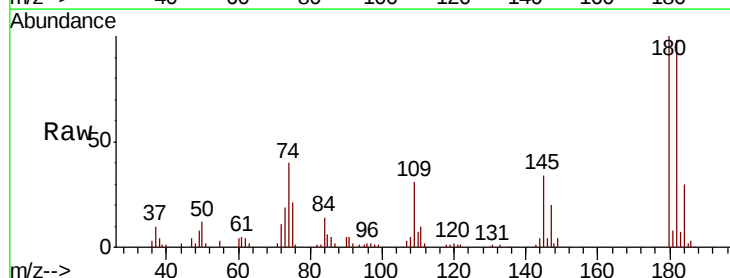


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

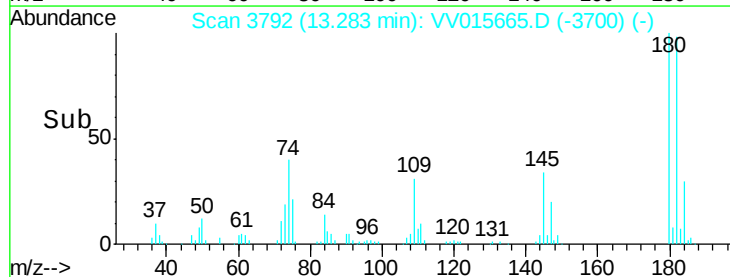
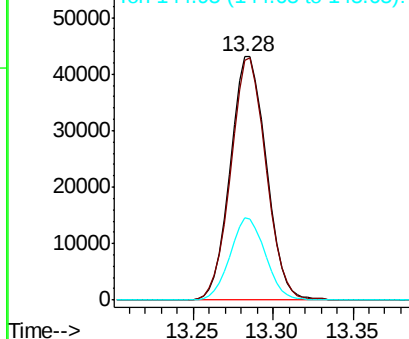


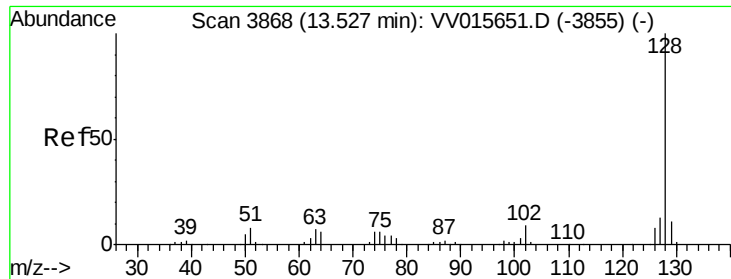
#68
 1,2,4-trichlorobenzene
 Concen: 4.608 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015665.D
 Acq: 23 Apr 2020 16:13

Tgt Ion:180 Resp: 66175
 Ion Ratio Lower Upper
 180 100
 182 97.1 74.8 112.2
 145 33.1 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: 4.619 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

Instrument :

MSVOA_V

ClientSampleId :

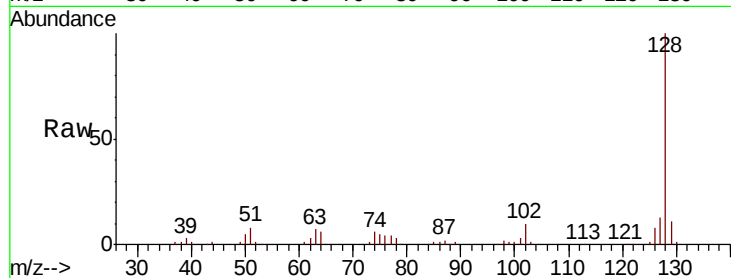
Tot Ion:128 Resp: 118706

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

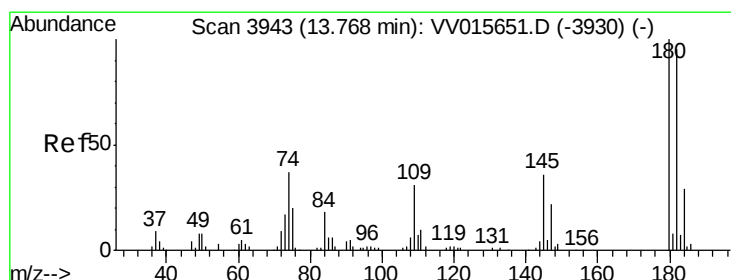
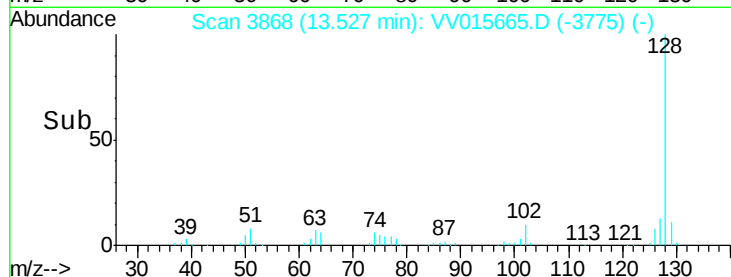
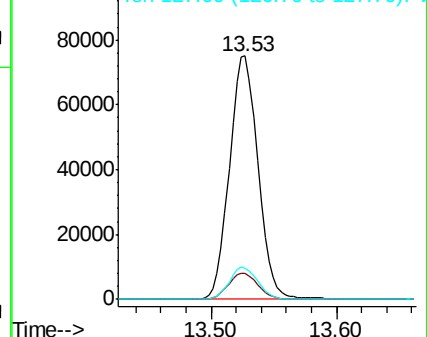
127 13.2 10.2 15.4



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: 4.695 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015665.D

Acq: 23 Apr 2020 16:13

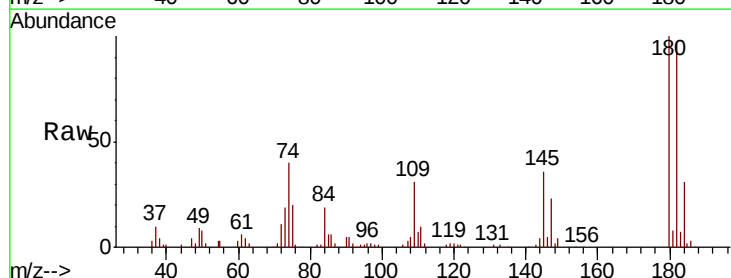
Tgt Ion:180 Resp: 59501

Ion Ratio Lower Upper

180 100

182 97.3 74.8 112.2

145 35.8 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

