

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015569.D
 Acq On : 17 Apr 2020 20:44
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:42:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	93420	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	89972	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	45890	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23359	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.58	69	22997	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.12	63	54028	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	3.92	46	86349	63.44	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.88%
24) Chloroform-d	4.38	84	56557	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.06	65	31705	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.07	84	101764	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.10	67	32770	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.34	98	95123	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.64	79	11033	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.11	63	73335	56.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	25385	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	35205	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	46934	5.076	ug/L 100
3) Chloromethane	1.25	50	39583	4.495	ug/L 98
5) Vinyl chloride	1.32	62	42465	5.008	ug/L 98
6) Bromomethane	1.53	94	12546	2.678	ug/L 99
8) Chloroethane	1.59	64	27571	5.607	ug/L 100
9) Trichlorofluoromethane	1.76	101	60317	5.560	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	33203	5.418	ug/L 97
12) 1,1-Dichloroethene	2.13	96	31516	5.374	ug/L 96
13) Acetone	2.20	43	63914	66.468	ug/L # 51
14) Carbon disulfide	2.31	76	80641	3.945	ug/L 100
15) Methyl Acetate	2.46	43	15428	5.423	ug/L 95
16) Methylene chloride	2.52	84	41317	6.014	ug/L 100
17) Methyl tert-butyl Ether	2.79	73	91904	5.864	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	34732	5.256	ug/L 95
19) 1,1-Dichloroethane	3.21	63	69202	5.555	ug/L 98
21) 2-Butanone	4.01	43	108482	69.813	ug/L # 69
22) cis-1,2-Dichloroethene	3.94	96	37483	5.463	ug/L 100

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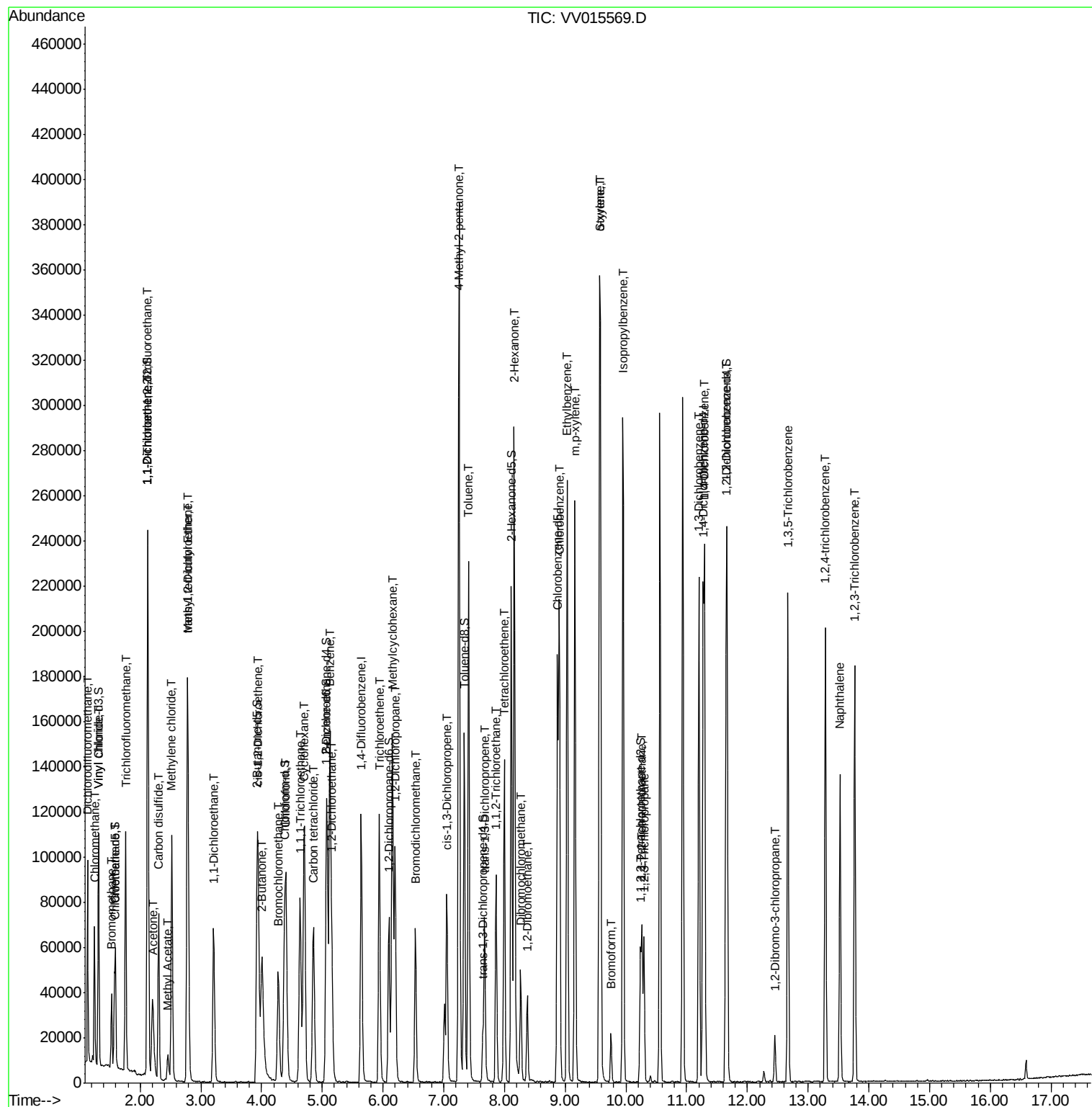
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	16026	5.614	ug/L	96
25) Chloroform	4.40	83	70868	5.559	ug/L	99
27) 1,2-Dichloroethane	5.16	62	49143	5.962	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	63916	5.475	ug/L	99
30) Cyclohexane	4.70	56	61430	4.957	ug/L	99
31) Carbon tetrachloride	4.85	117	50478	4.968	ug/L	98
33) Benzene	5.13	78	146330	5.434	ug/L	100
34) Trichloroethene	5.94	95	40120	5.535	ug/L	99
35) Methylcyclohexane	6.15	83	60963	4.992	ug/L	100
37) 1,2-Dichloropropane	6.20	63	36793	5.509	ug/L	100
38) Bromodichloromethane	6.53	83	45078	5.061	ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	45437	4.433	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	262971	59.962	ug/L	99
42) Toluene	7.41	91	155955	5.334	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	37435	4.319	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	26577	5.920	ug/L	97
47) Tetrachloroethene	8.00	164	28024	5.219	ug/L	96
48) 2-Hexanone	8.16	43	188270	61.441	ug/L	99
49) Dibromochloromethane	8.27	129	23483	4.367	ug/L	97
50) 1,2-Dibromoethane	8.38	107	24174	5.618	ug/L	99
51) Chlorobenzene	8.90	112	99715	5.351	ug/L	98
52) Ethylbenzene	9.03	91	179002	5.319	ug/L	100
53) m,p-xylene	9.16	106	66820	5.257	ug/L	100
54) o-xylene	9.57	106	63834	5.189	ug/L	97
55) Styrene	9.58	104	110106	5.325	ug/L	99
56) Isopropylbenzene	9.95	105	178081	5.280	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	30036	5.497	ug/L	94
59) 1,2,3-Trichloropropane	10.30	75	24371	5.902	ug/L	98
61) Bromoform	9.75	173	8793	3.267	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	79685	5.386	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	81097	5.386	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	72663	5.387	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	4894	4.741	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	58389	5.461	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	54194	5.627	ug/L	98
69) Naphthalene	13.53	128	100413	5.534	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	48722	5.727	ug/L	100

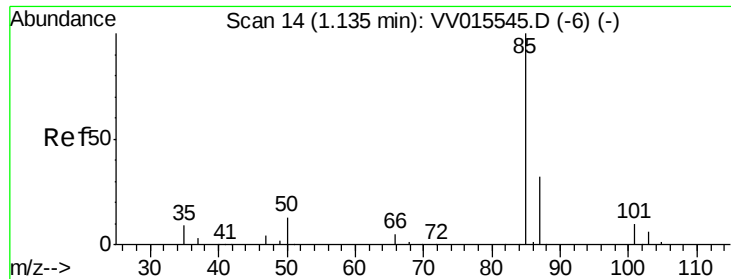
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.076 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

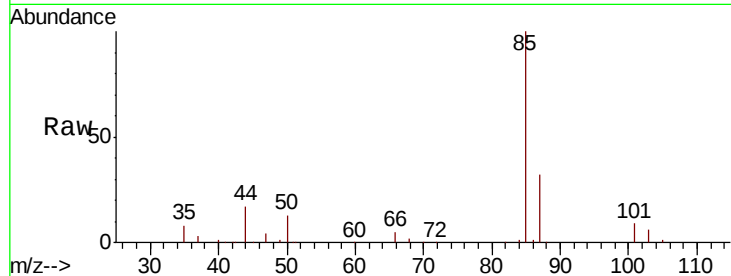
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 46934

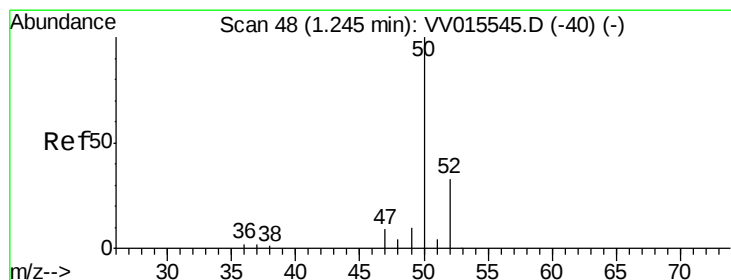
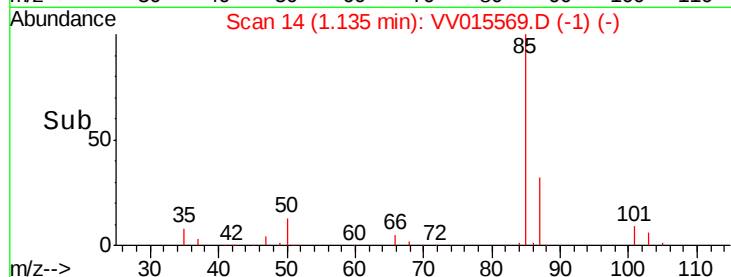
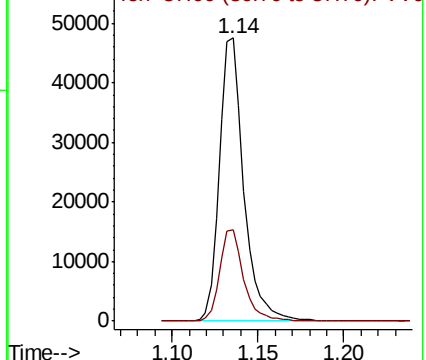
Ion Ratio Lower Upper

85 100

87 31.6 25.3 37.9



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



#3

Chloromethane

Concen: 4.495 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015569.D

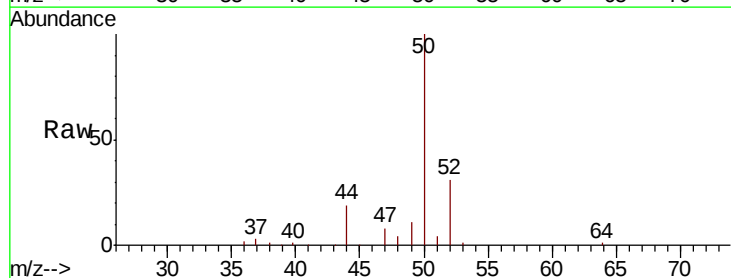
Acq: 17 Apr 2020 20:44

Tgt Ion: 50 Resp: 39583

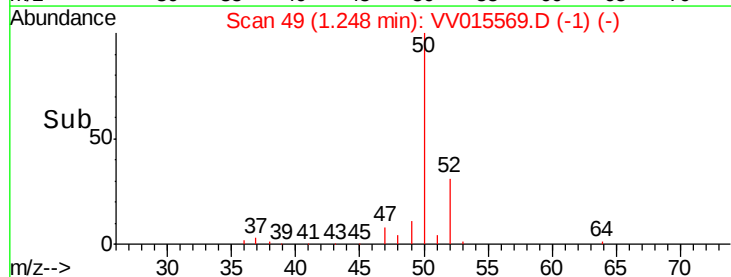
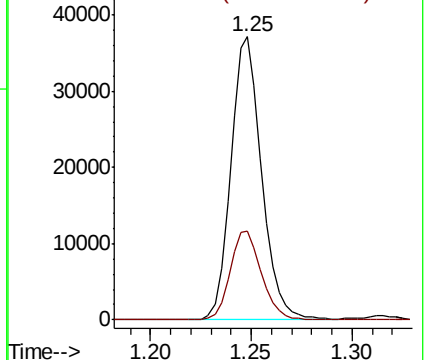
Ion Ratio Lower Upper

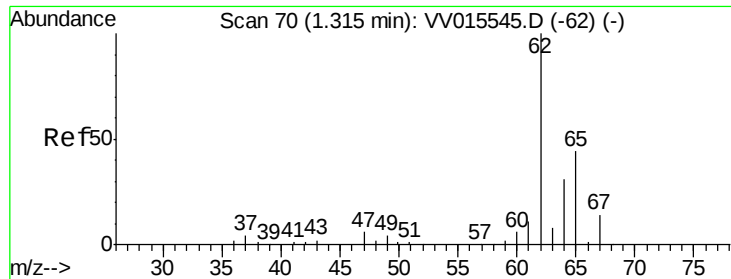
50 100

52 31.2 22.7 42.1



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





#5

Vinyl chloride

Concen: 5.008 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

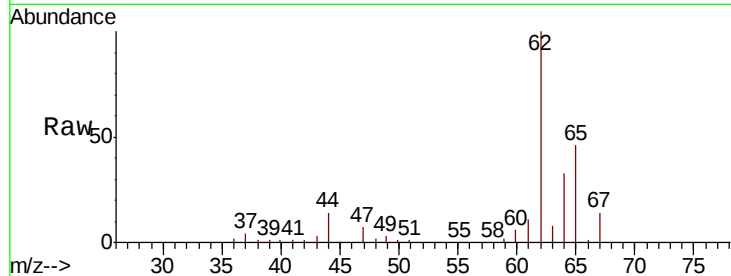
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 42465

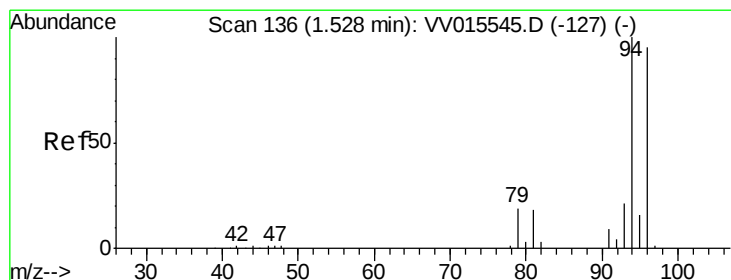
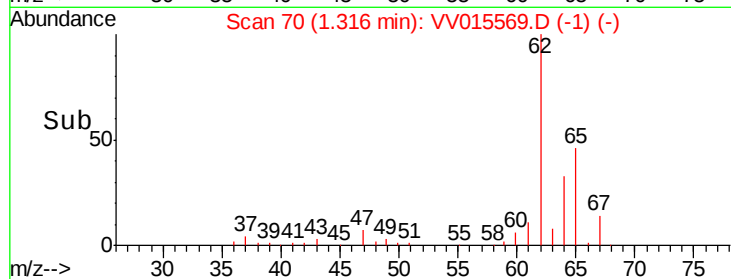
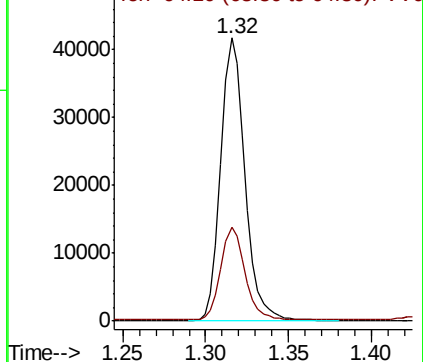
Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 2.678 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015569.D

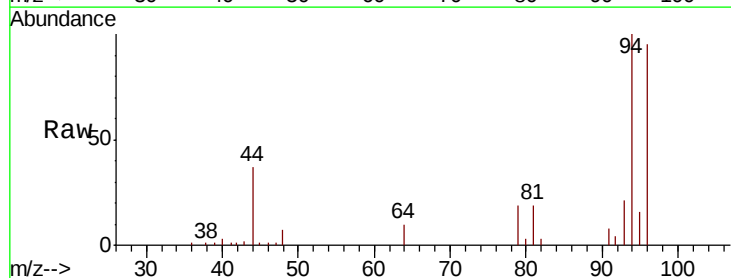
Acq: 17 Apr 2020 20:44

Tgt Ion: 94 Resp: 12546

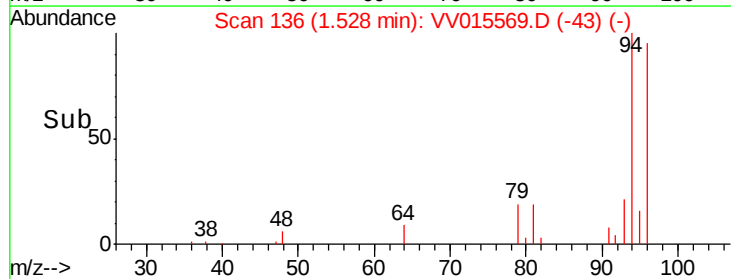
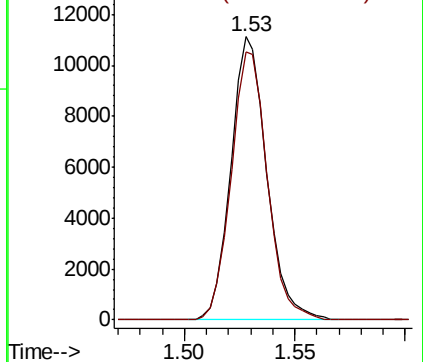
Ion Ratio Lower Upper

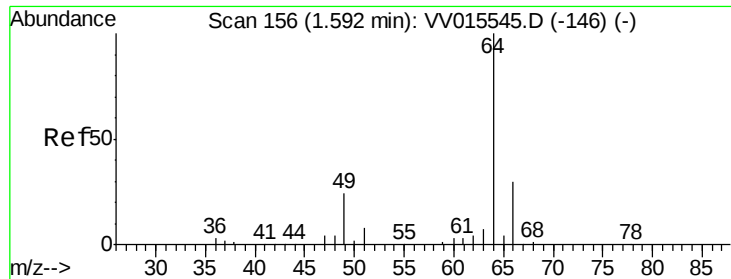
94 100

96 94.9 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.607 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

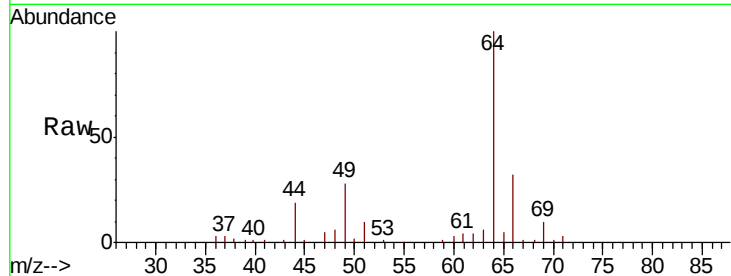
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 27571

Ion Ratio Lower Upper

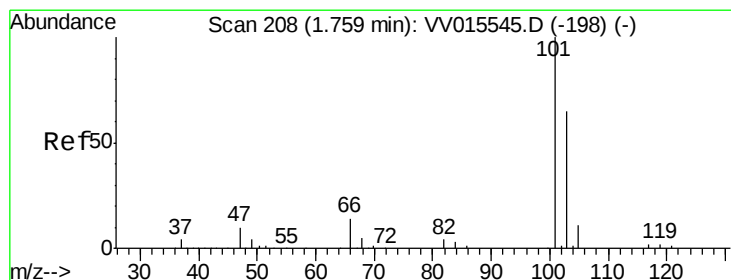
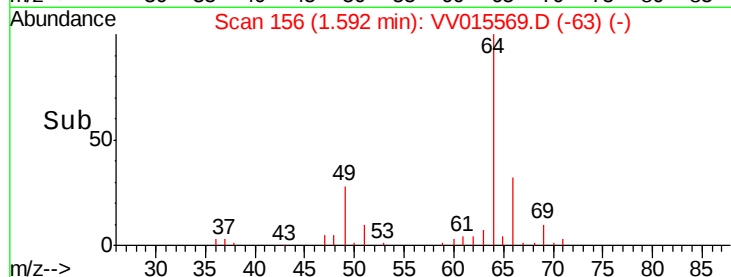
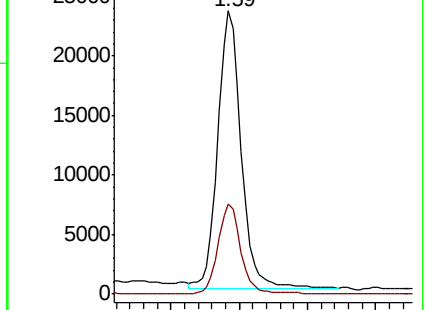
64 100

66 31.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015569.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV015569.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 5.560 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015569.D

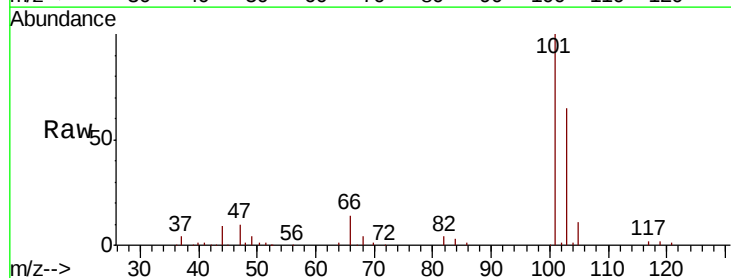
Acq: 17 Apr 2020 20:44

Tgt Ion:101 Resp: 60317

Ion Ratio Lower Upper

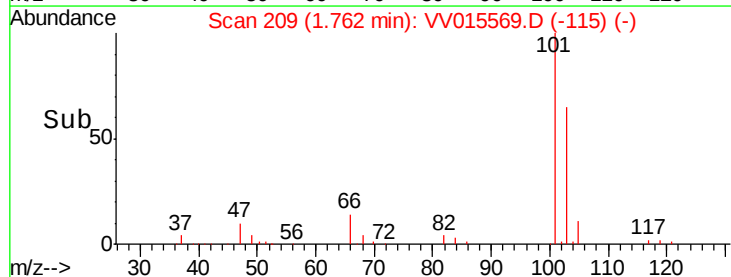
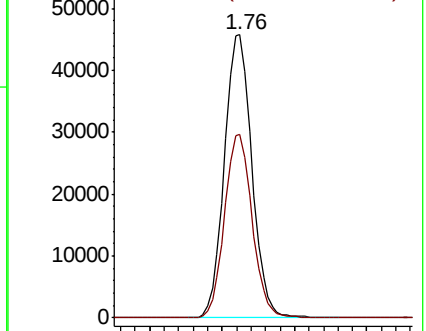
101 100

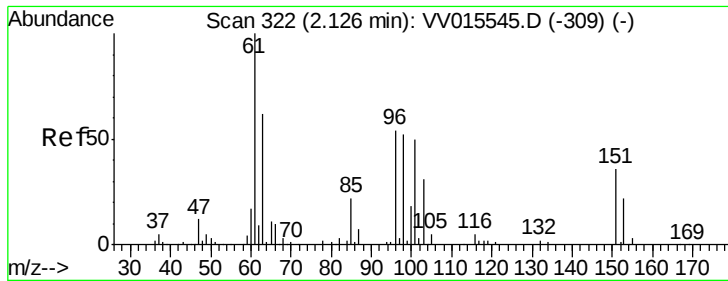
103 65.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015569.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015569.D (-198) (-)





#10

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

Concen: 5.418 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

Instrument :

MSVOA_V

ClientSampled :

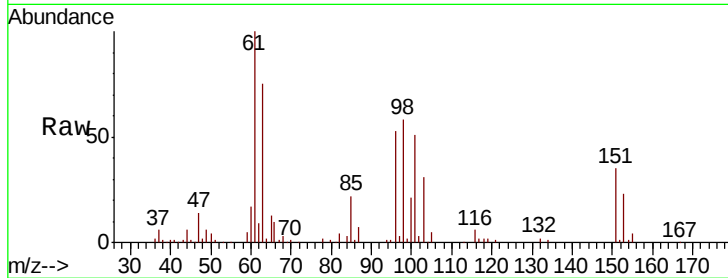
Tot Ion:101 Resp: 33203

Ion Ratio Lower Upper

101 100

85 44.2 36.3 54.5

151 69.7 58.2 87.4



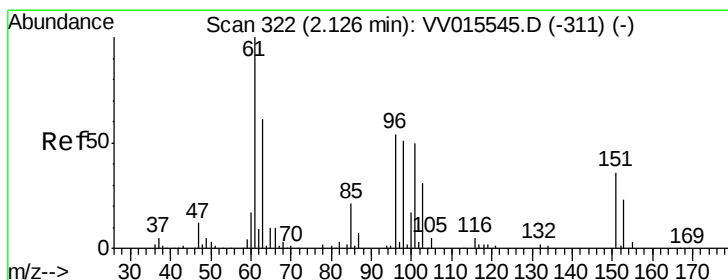
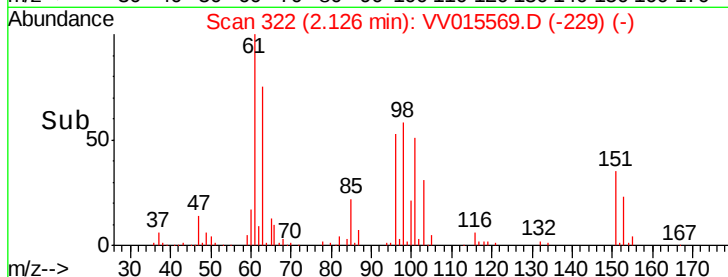
Abundance Ion 101.00 (100.70 to 101.70): VV015545.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015545.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015545.D (-309) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 5.374 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

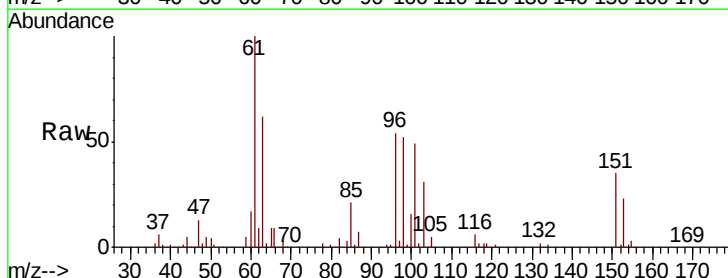
Tgt Ion: 96 Resp: 31516

Ion Ratio Lower Upper

96 100

61 185.1 127.7 237.1

63 114.5 75.1 139.5



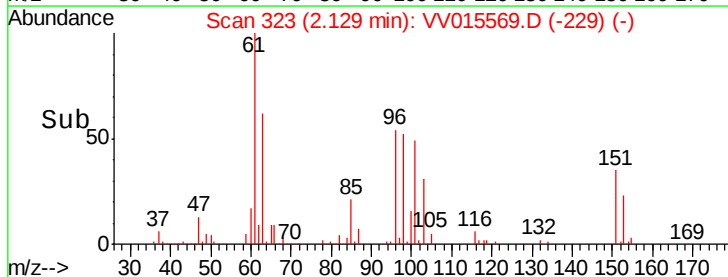
Abundance Ion 96.00 (95.70 to 96.70): VV015569.D (-229) (-)

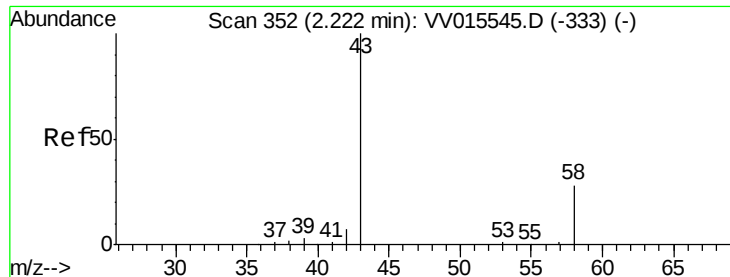
Ion 61.05 (60.75 to 61.75): VV015569.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015569.D (-229) (-)

2.13

Time-->





#13

Acetone

Concen: 66.468 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

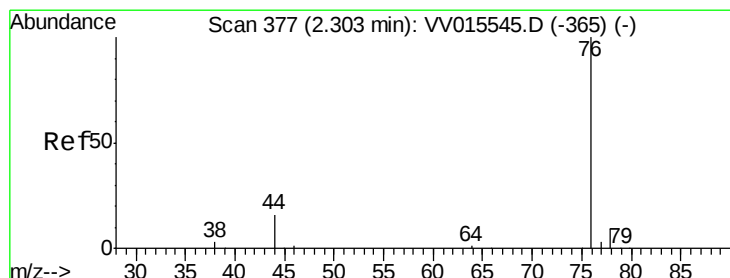
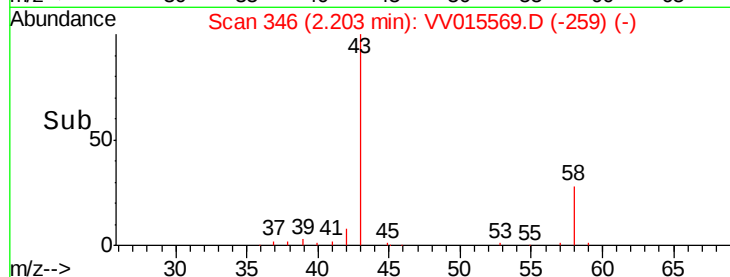
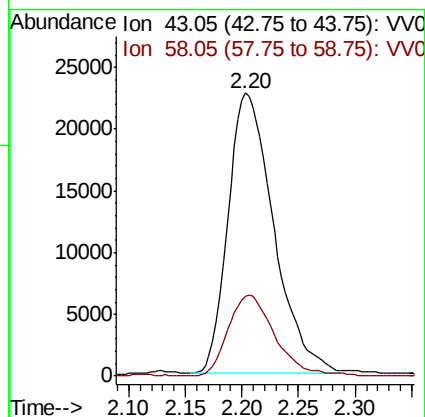
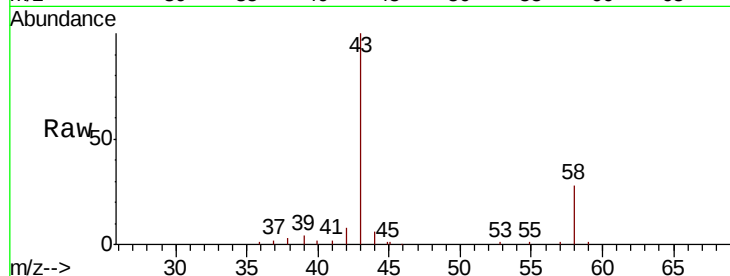
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 63914

Ion Ratio Lower Upper

43 100

58 29.6 0.0 22.2#



#14

Carbon disulfide

Concen: 3.945 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015569.D

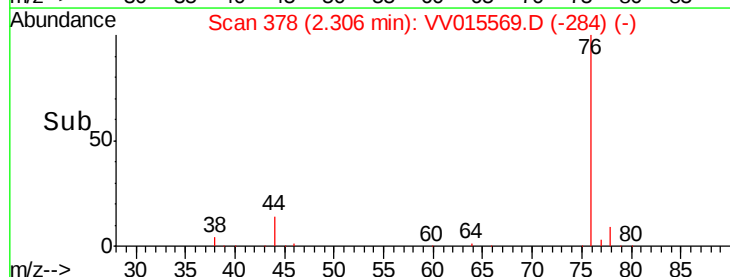
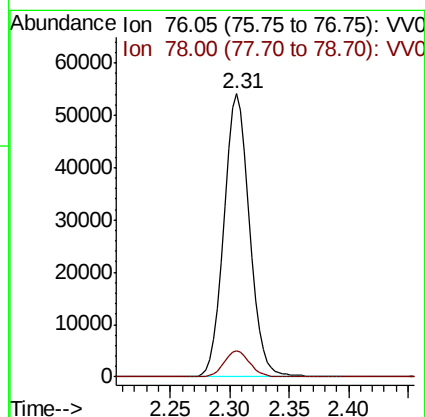
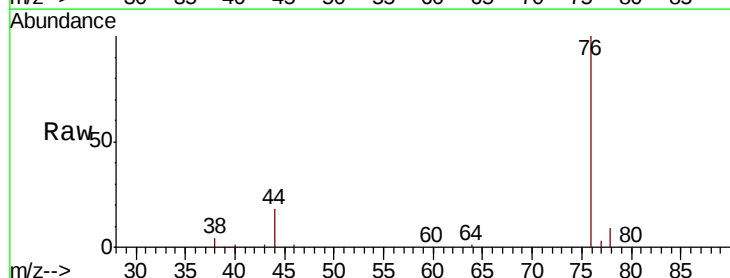
Acq: 17 Apr 2020 20:44

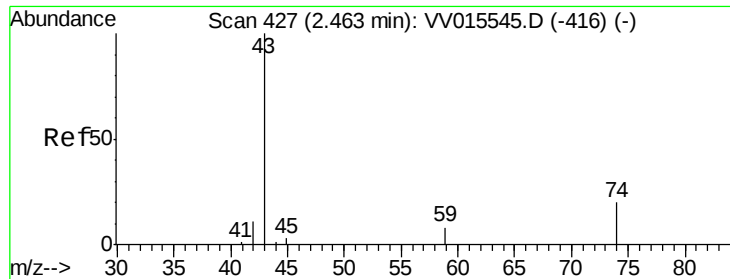
Tgt Ion: 76 Resp: 80641

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

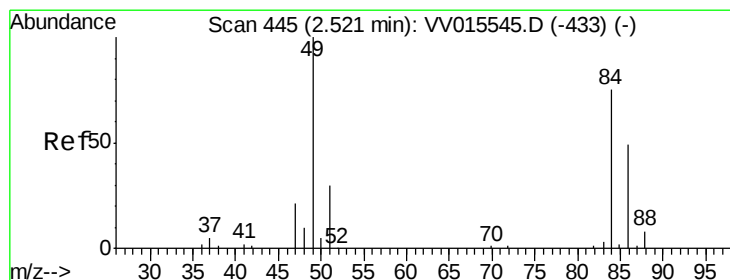
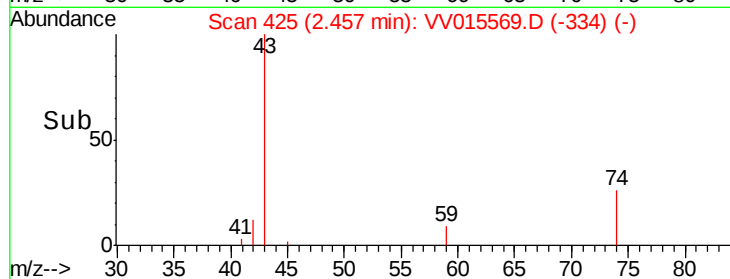
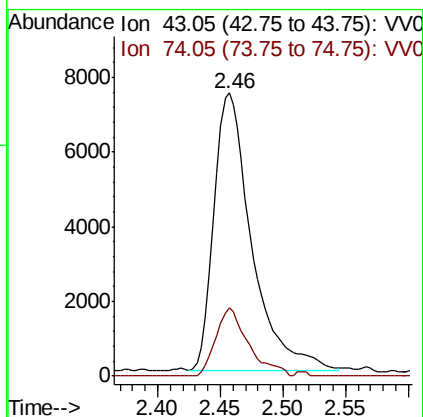
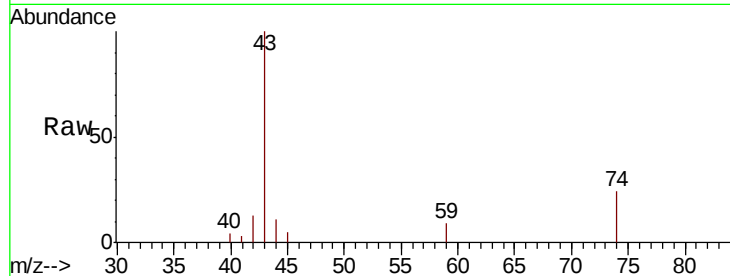




#15
Methvl Acetate
Concen: 5.423 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

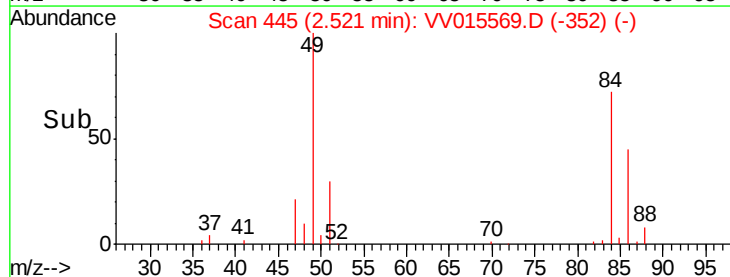
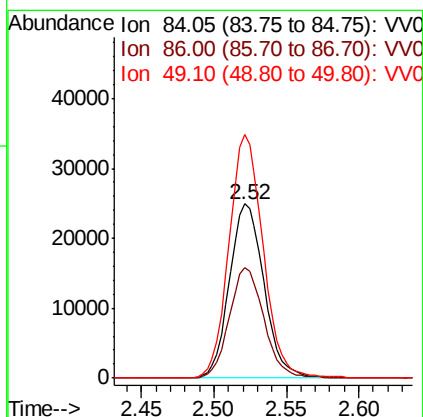
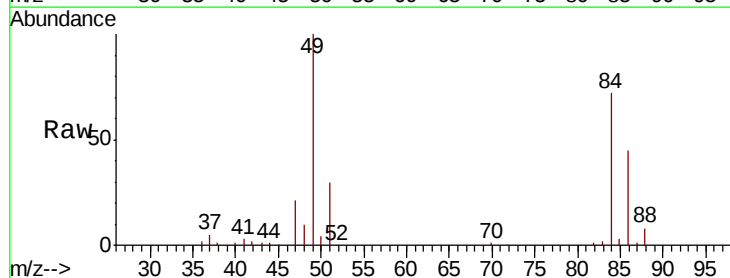
Instrument :
MSVOA_V
ClientSampleId :

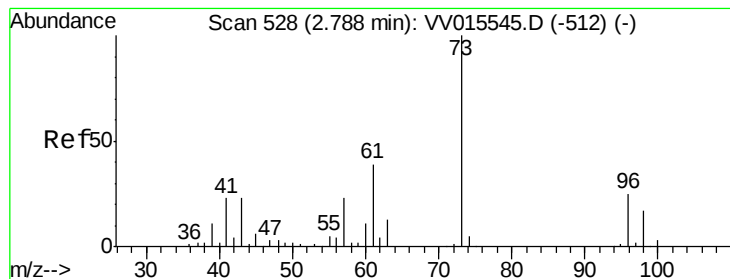
Tot Ion: 43 Resp: 15428
Ion Ratio Lower Upper
43 100
74 21.4 15.4 23.2



#16
Methylene chloride
Concen: 6.014 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Tgt Ion: 84 Resp: 41317
Ion Ratio Lower Upper
84 100
86 63.6 45.1 83.7
49 139.8 97.9 181.7



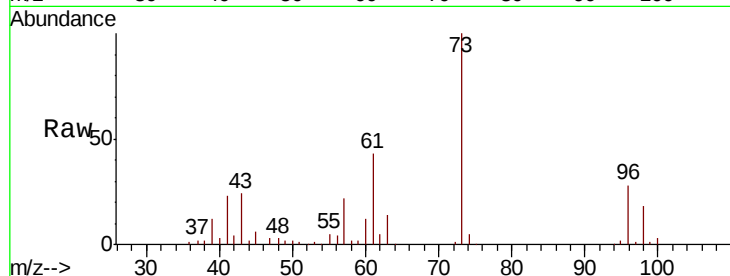


#17

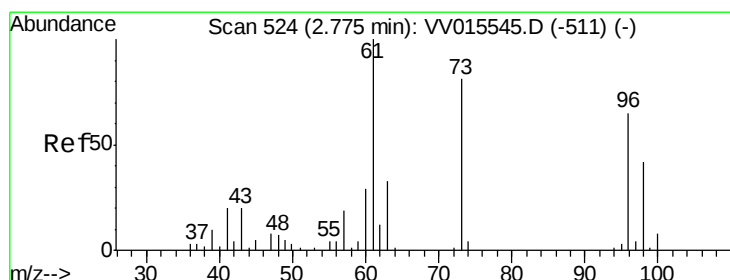
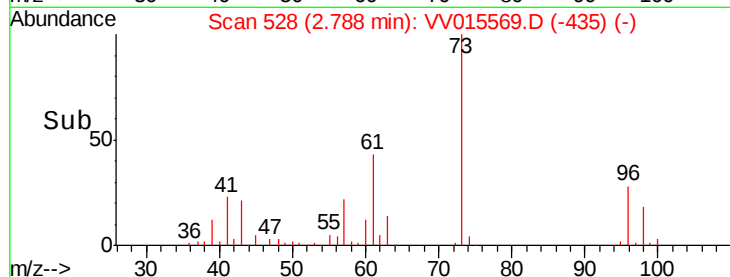
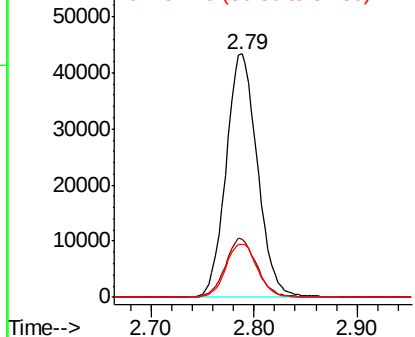
Methvl tert-butvl Ether
 Concen: 5.864 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 91904
 Ion Ratio Lower Upper
 73 100
 43 24.3 18.3 27.5
 57 22.1 18.4 27.6



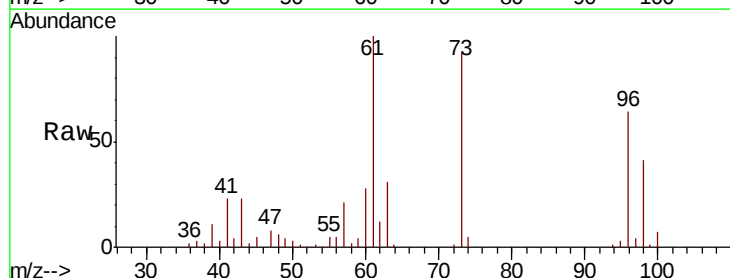
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



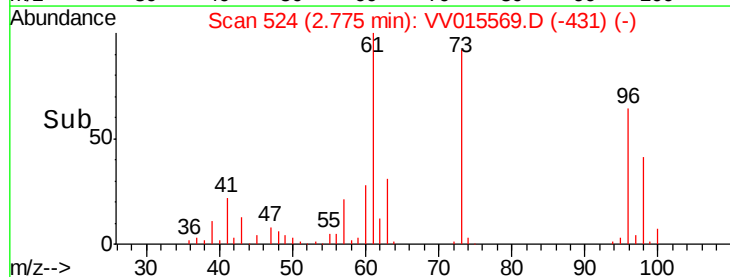
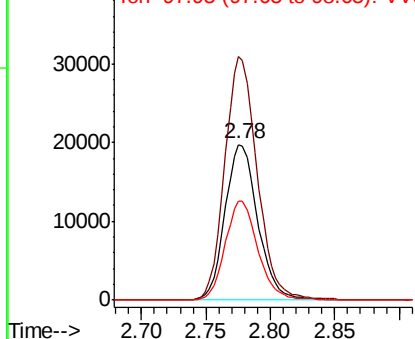
#18

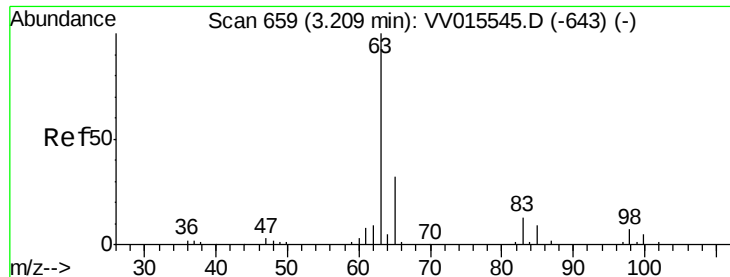
trans-1,2-Dichloroethene
 Concen: 5.256 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Tgt Ion: 96 Resp: 34732
 Ion Ratio Lower Upper
 96 100
 61 156.7 104.4 194.0
 98 63.8 42.8 79.4



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

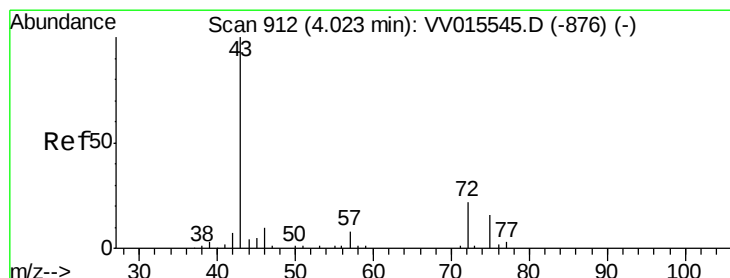
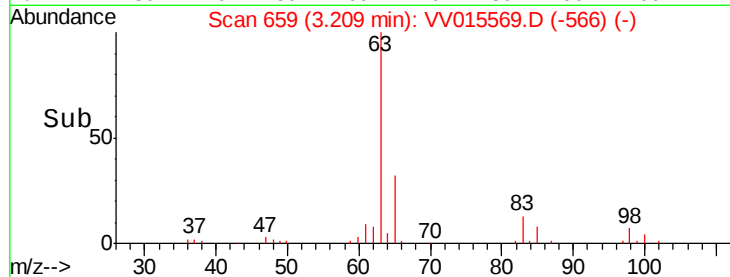
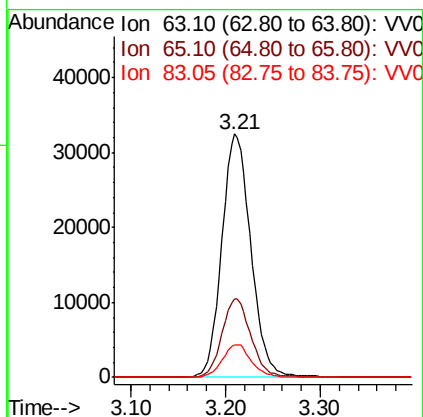
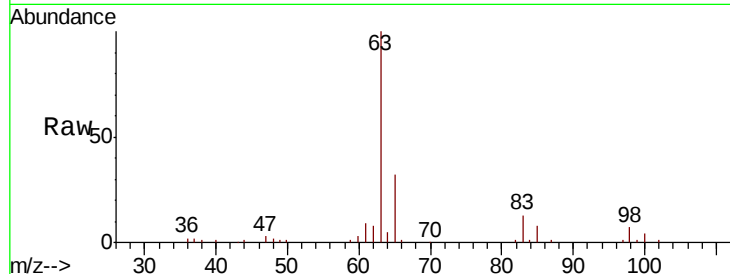




#19
 1,1-Dichloroethane
 Concen: 5.555 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

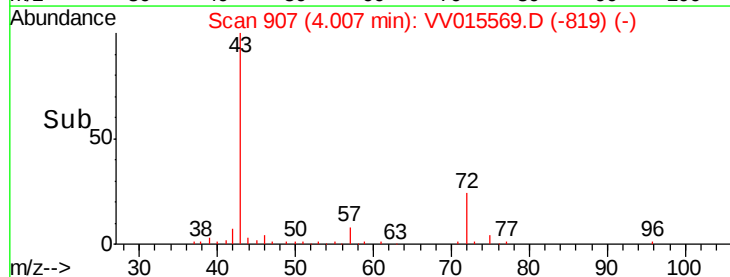
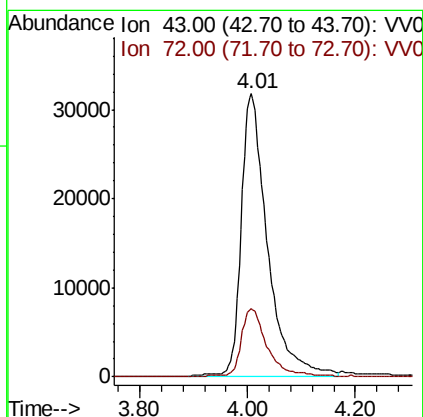
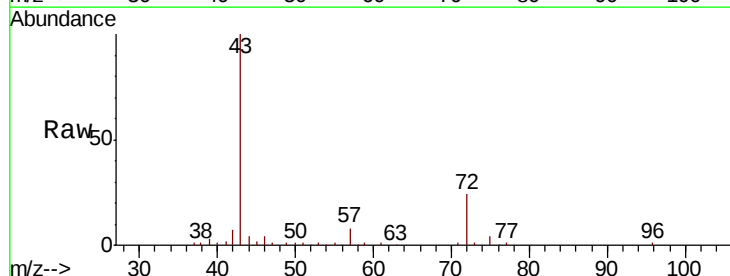
Instrument :
 MSVOA_V
 ClientSampleId :

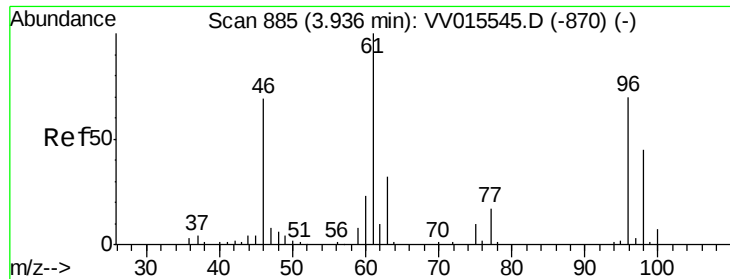
Tot Ion: 63 Resp: 69202
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.3 39.6
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 69.813 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Tgt Ion: 43 Resp: 108482
 Ion Ratio Lower Upper
 43 100
 72 23.8 5.9 17.8#

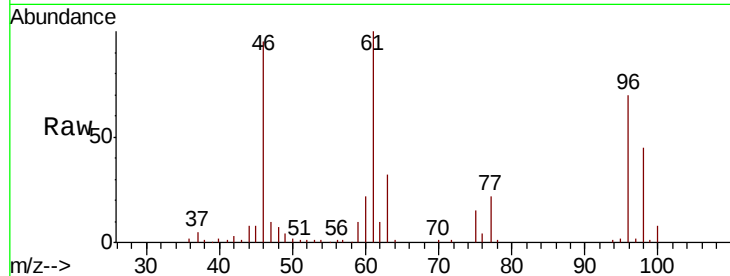




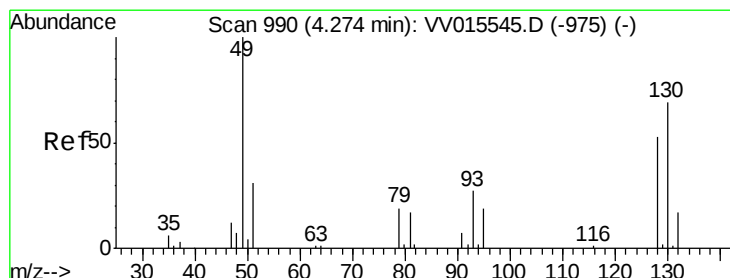
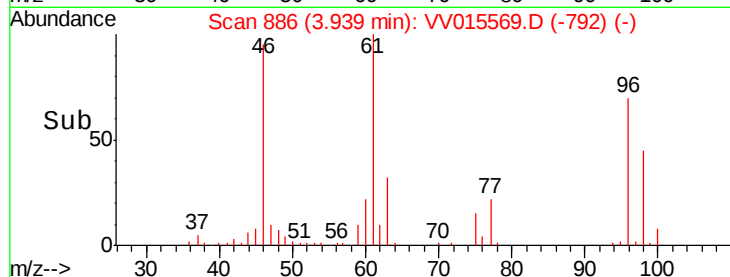
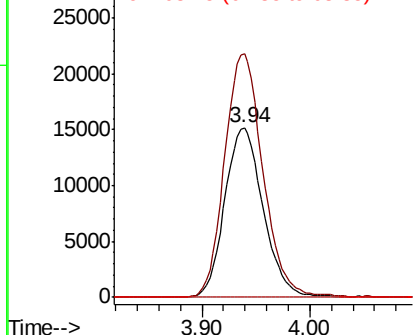
#22
 cis-1,2-Dichloroethene
 Concen: 5.463 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 37483
 Ion Ratio Lower Upper
 96 100
 61 143.2 100.0 185.8
 68 0.0 0.0 0.0

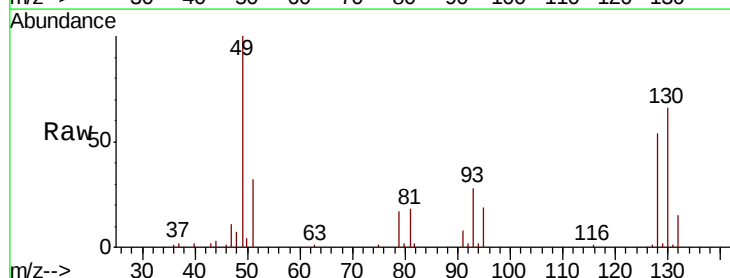


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

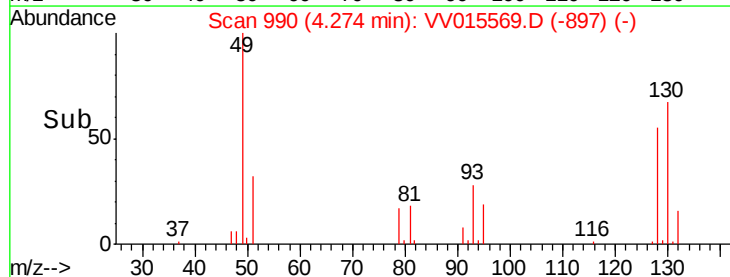
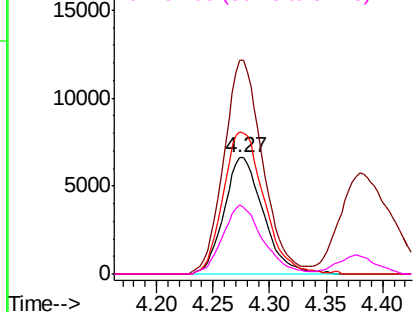


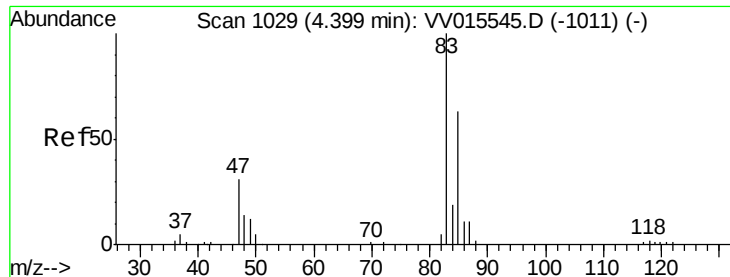
#23
 Bromochloromethane
 Concen: 5.614 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Tgt Ion: 128 Resp: 16026
 Ion Ratio Lower Upper
 128 100
 49 183.7 128.8 239.2
 130 121.9 93.5 173.7
 51 59.0 47.8 71.6



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

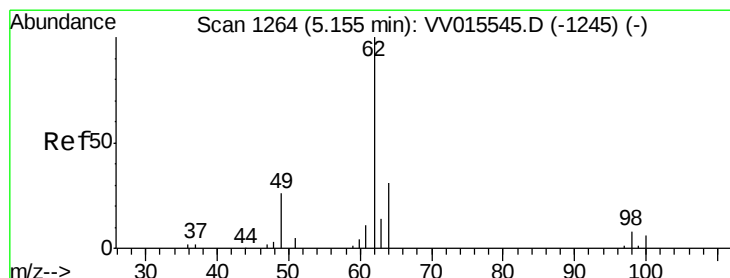
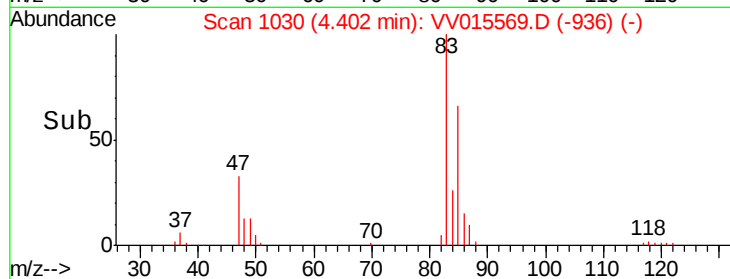
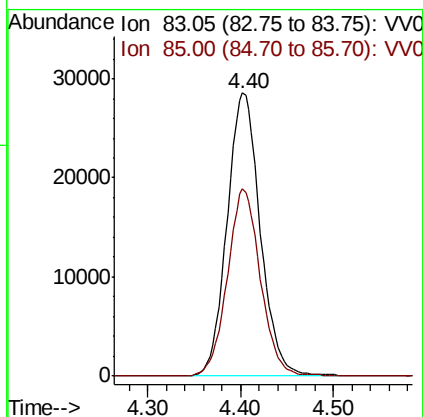
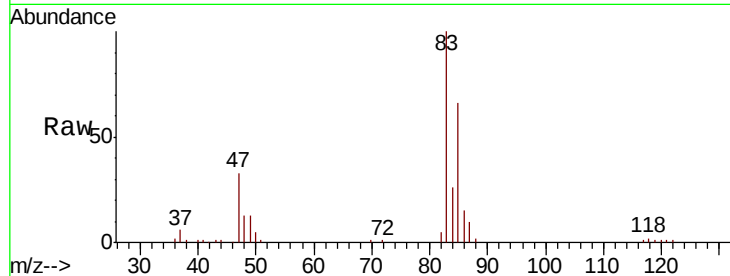




#25
Chloroform
Concen: 5.559 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

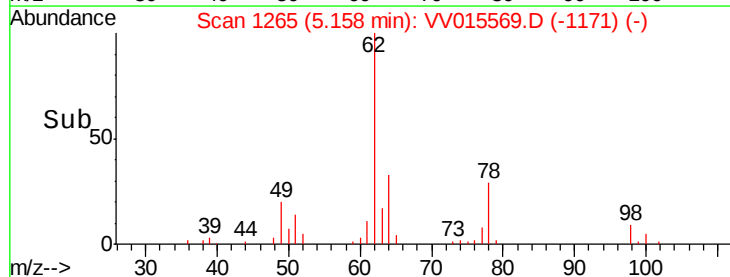
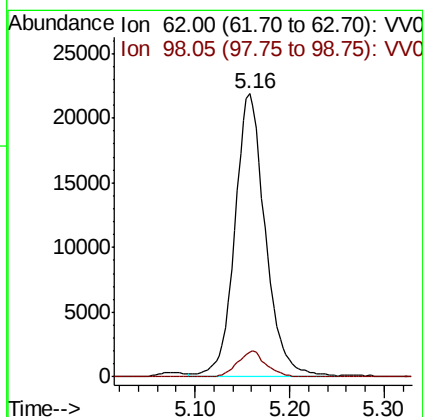
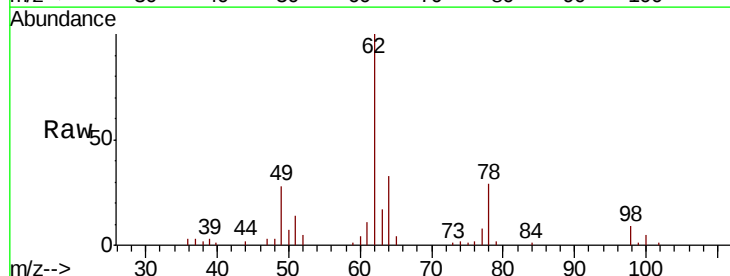
Instrument :
MSVOA_V
ClientSampleId :

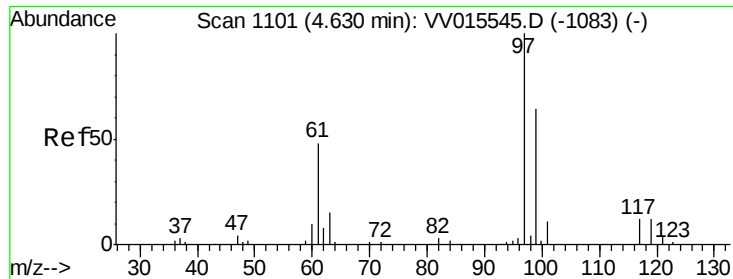
Tot Ion: 83 Resp: 70868
Ion Ratio Lower Upper
83 100
85 66.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.962 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Tgt Ion: 62 Resp: 49143
Ion Ratio Lower Upper
62 100
98 8.8 6.6 10.0

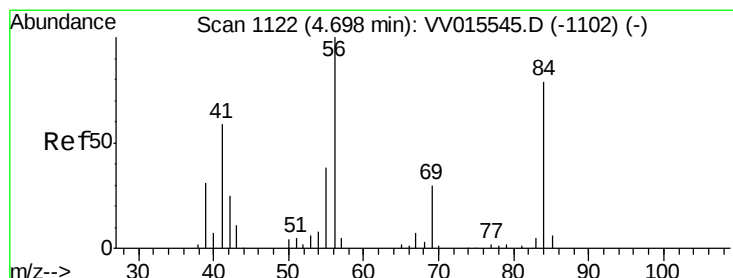
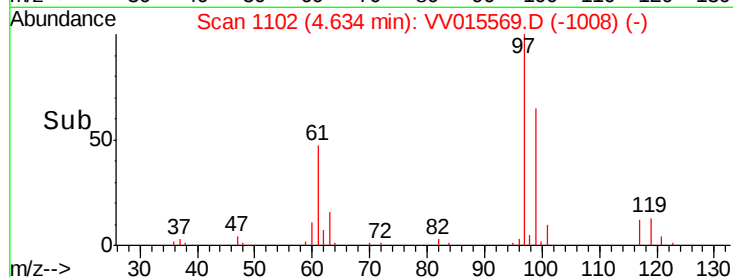
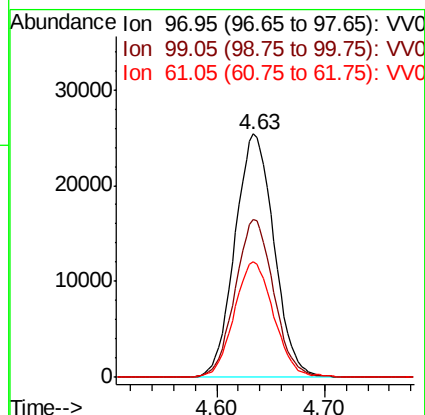
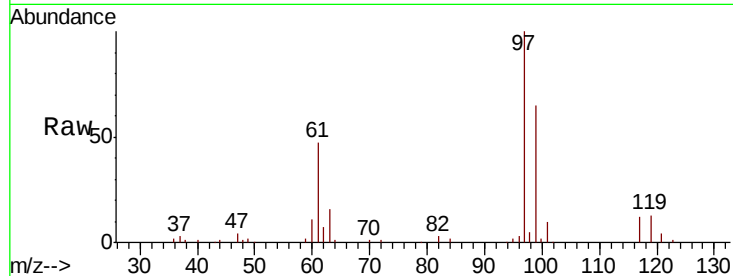




#29
1,1,1-Trichloroethane
Concen: 5.475 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

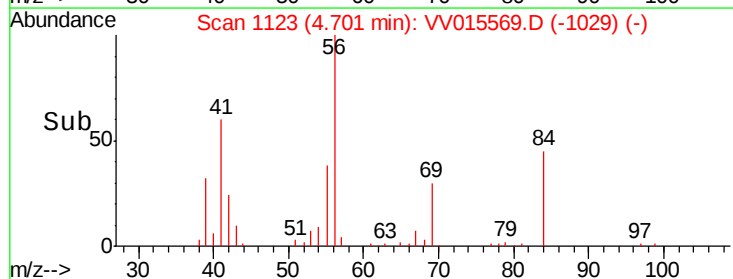
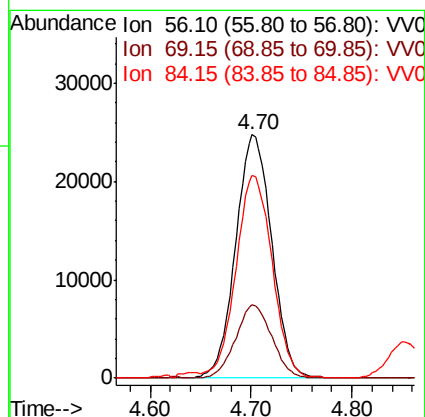
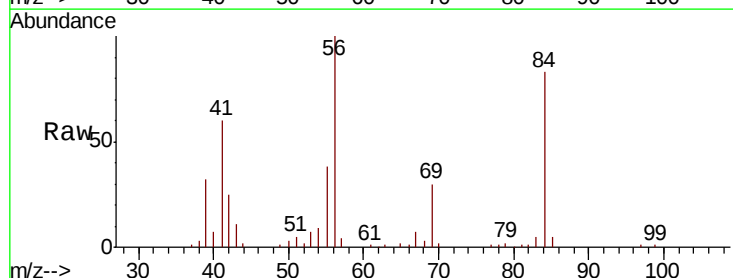
Instrument :
MSVOA_V
ClientSampleId :

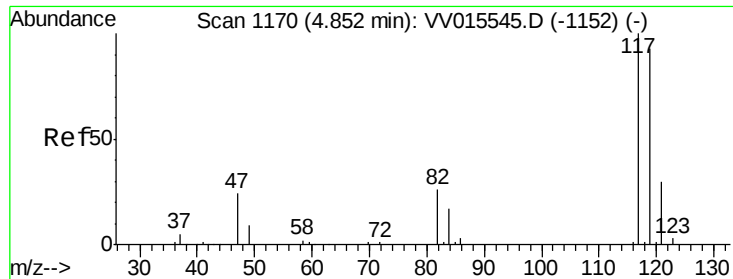
Tot Ion: 97 Resp: 63916
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 47.9 39.0 58.6



#30
Cyclohexane
Concen: 4.957 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Tgt Ion: 56 Resp: 61430
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.4
84 83.8 68.4 102.6

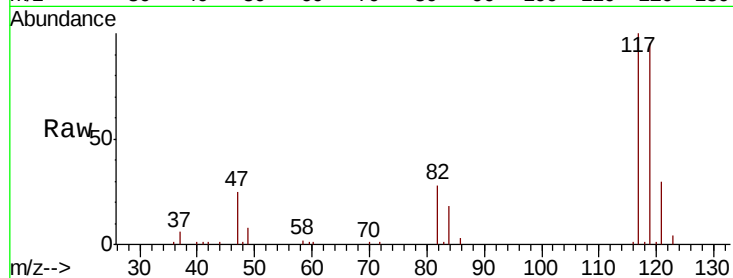




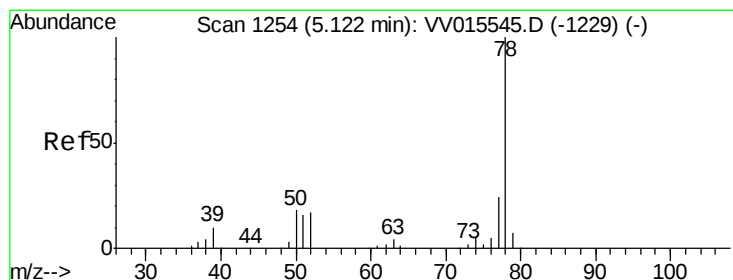
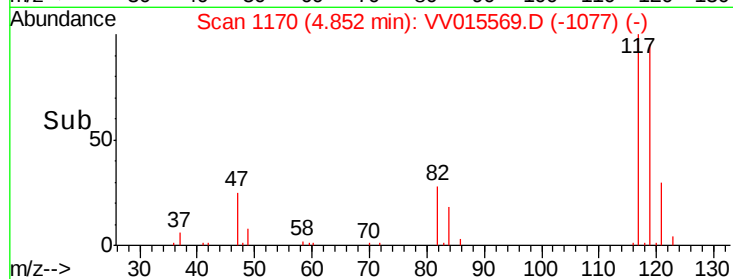
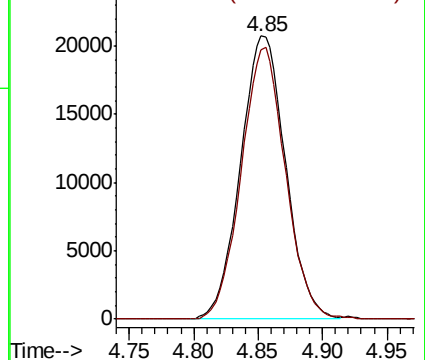
#31
Carbon tetrachloride
Concen: 4.968 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 50478
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0

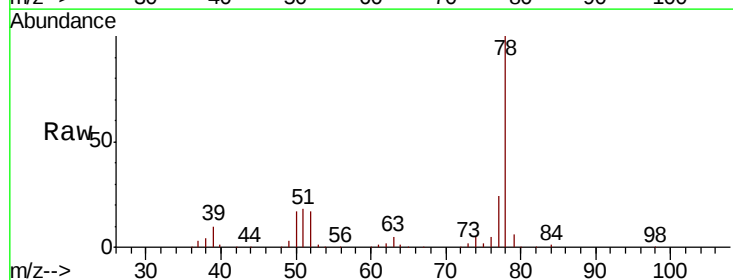


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

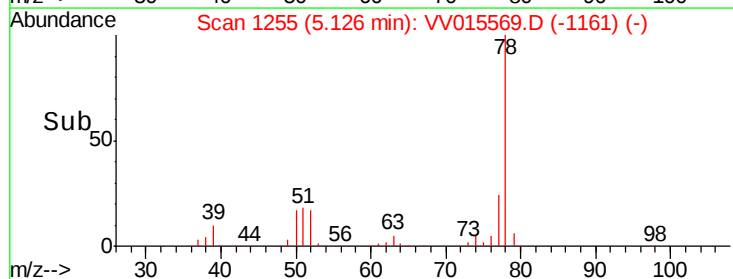
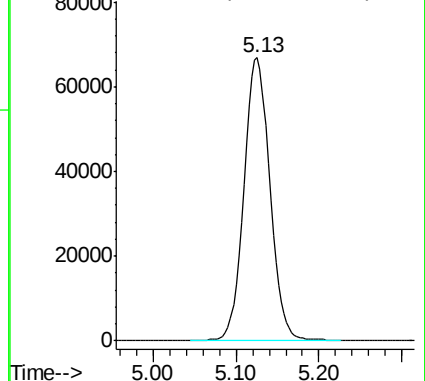


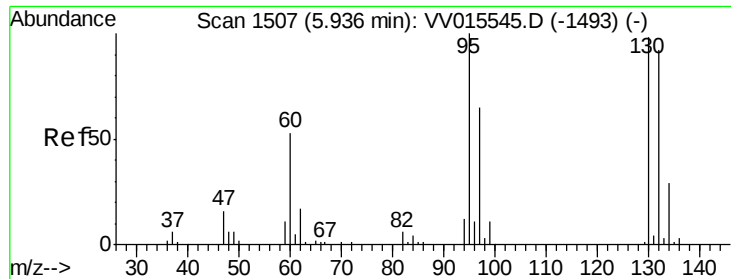
#33
Benzene
Concen: 5.434 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Tgt Ion: 78 Resp: 146330



Abundance Ion 78.10 (77.80 to 78.80): VV0

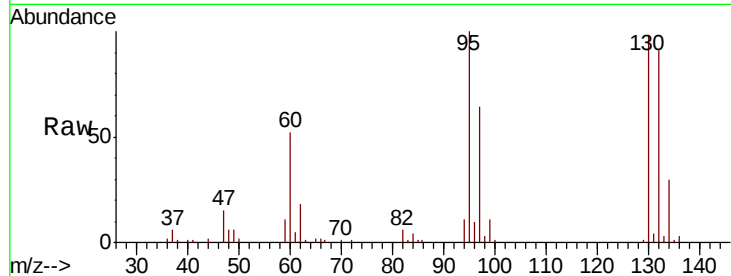




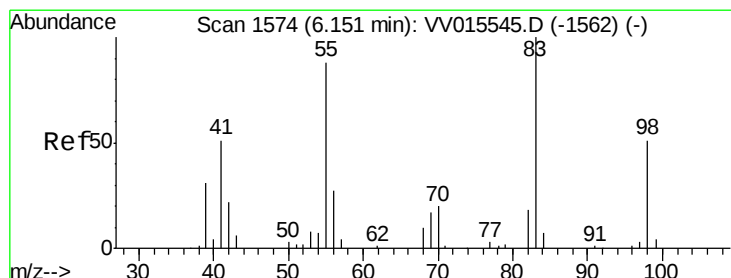
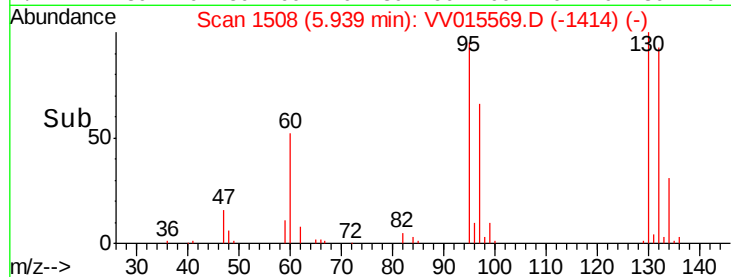
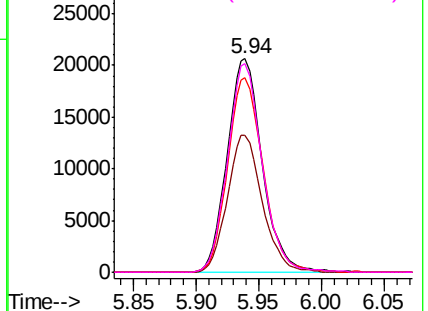
#34
 Trichloroethene
 Concen: 5.535 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 40120
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.4 84.4
 132 90.9 64.8 120.4
 130 97.6 67.4 125.2

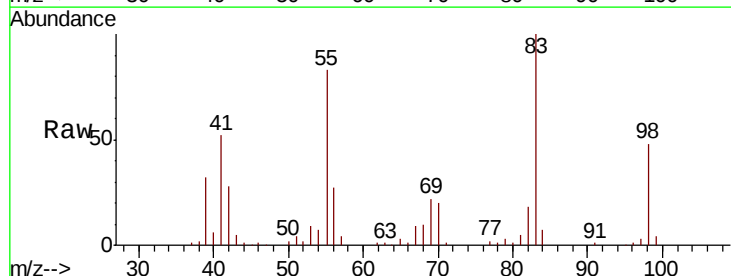


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

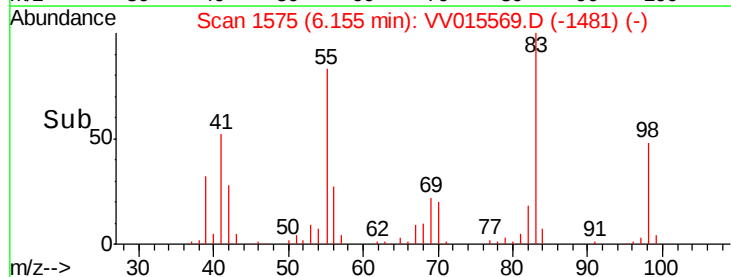
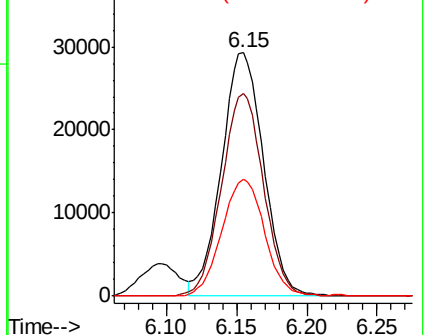


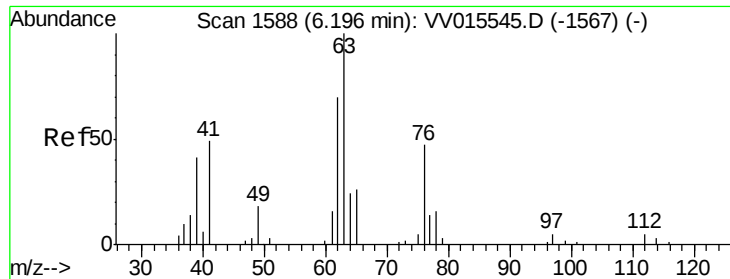
#35
 Methylcyclohexane
 Concen: 4.992 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Tgt Ion: 83 Resp: 60963
 Ion Ratio Lower Upper
 83 100
 55 83.0 66.6 99.8
 98 48.9 38.7 58.1



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

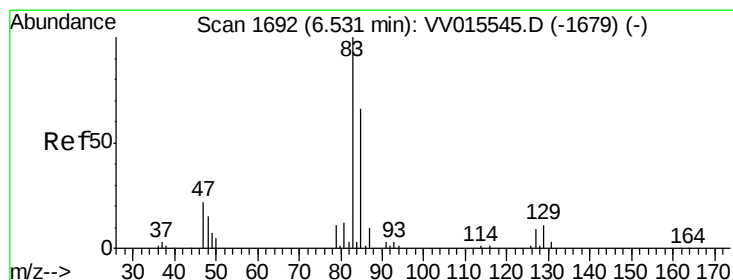
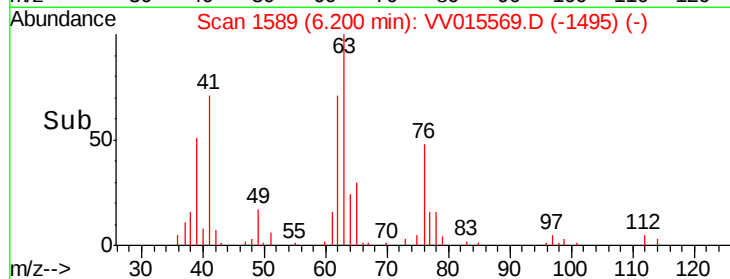
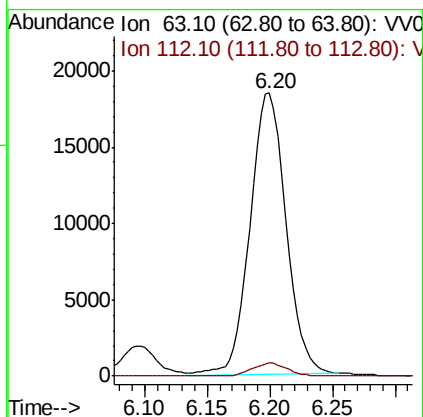
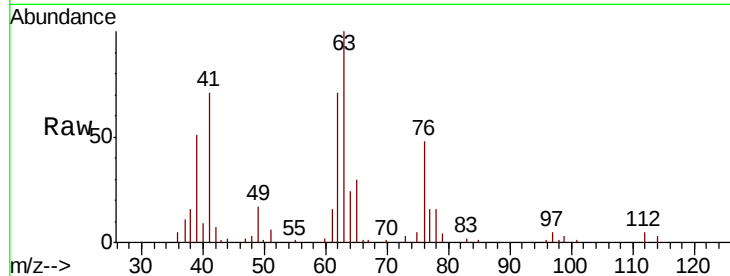




#37
 1,2-Dichloropropane
 Concen: 5.509 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

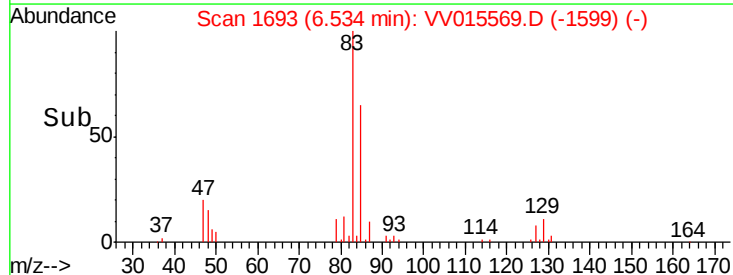
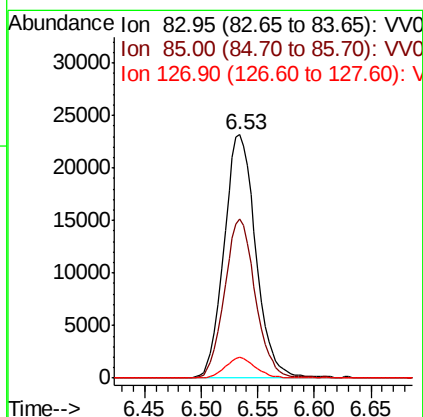
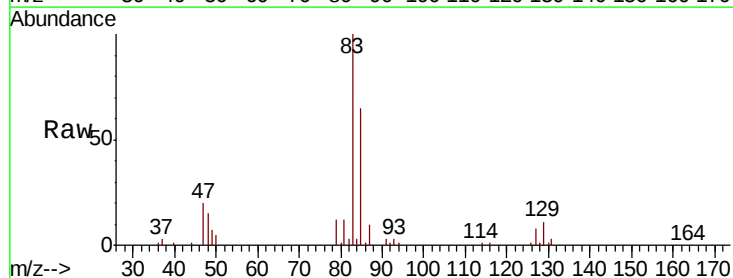
Instrument :
 MSVOA_V
 ClientSampleId :

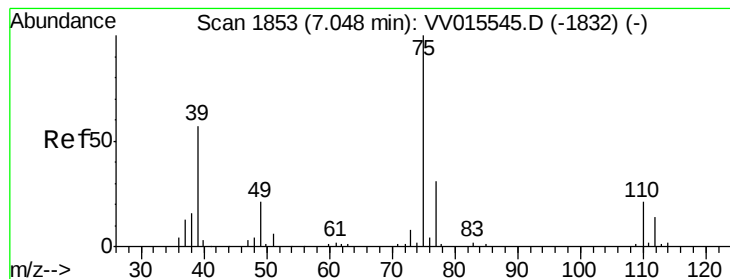
Tot Ion: 63 Resp: 36793
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.061 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Tgt Ion: 83 Resp: 45078
 Ion Ratio Lower Upper
 83 100
 85 65.4 42.6 79.2
 127 8.4 6.6 9.8



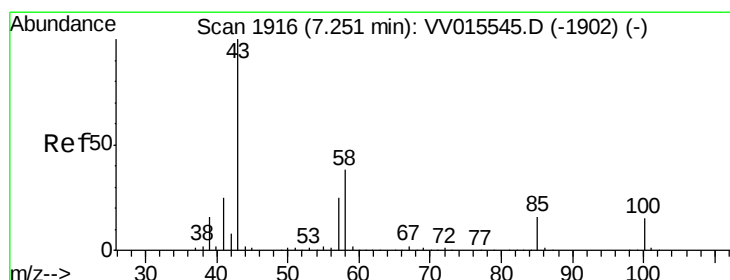
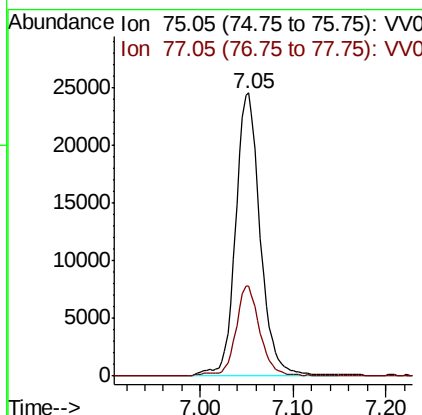
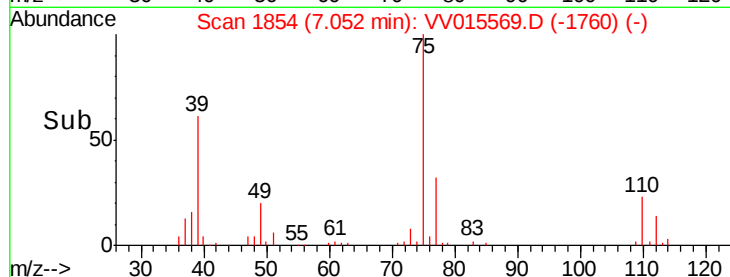
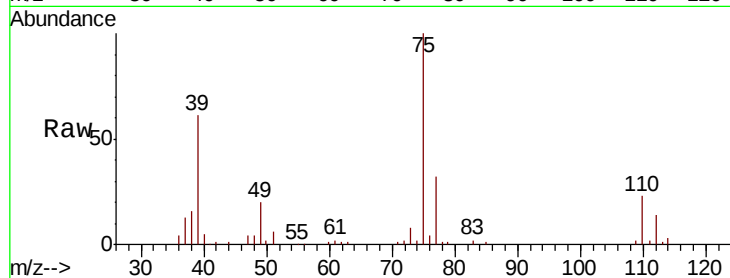


#39

cis-1,3-Dichloropropene
Concen: 4.433 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Instrument :
MSVOA_V
ClientSampled :

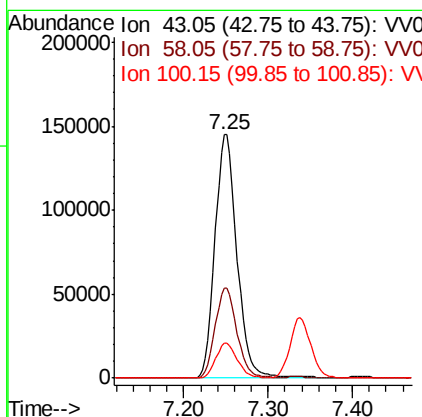
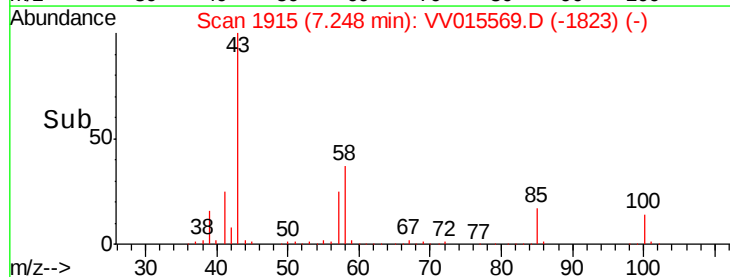
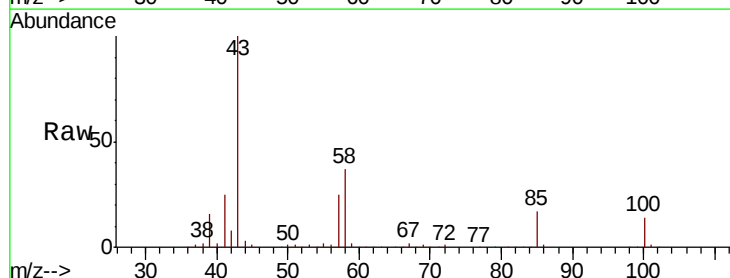
Tot Ion: 75 Resp: 45437
Ion Ratio Lower Upper
75 100
77 31.8 23.0 42.6

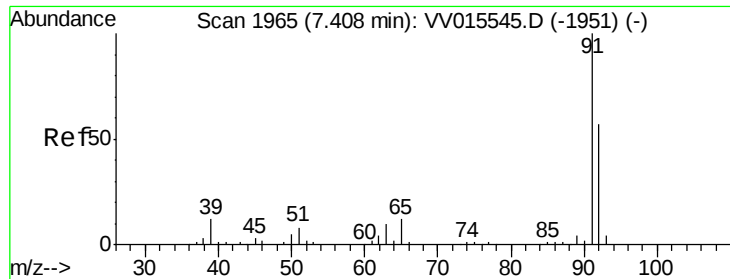


#40

4-Methyl-2-pentanone
Concen: 59.962 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Tgt Ion: 43 Resp: 262971
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.6
100 14.0 11.0 16.6





#42

Toluene

Concen: 5.334 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

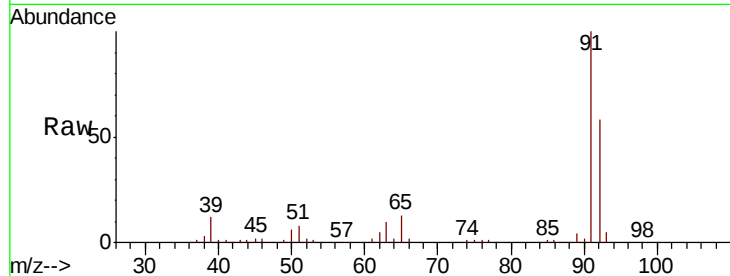
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 155955

Ion Ratio Lower Upper

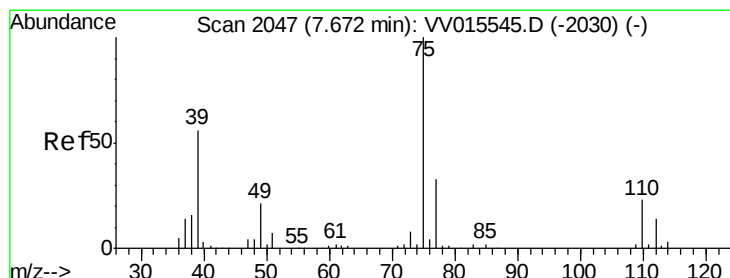
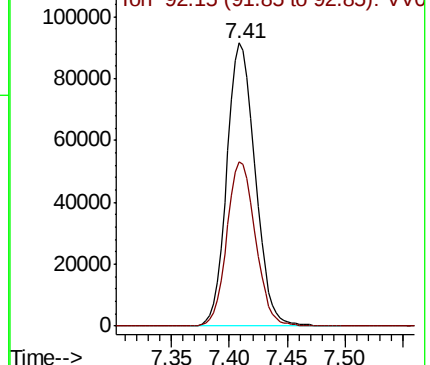
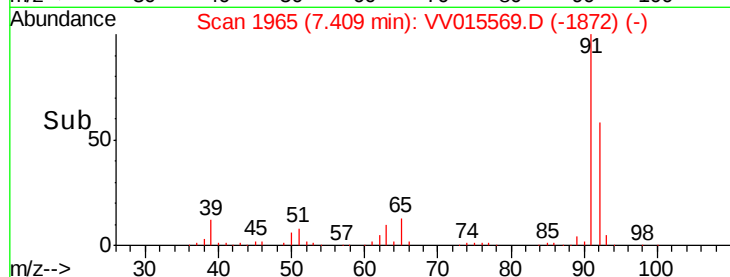
91 100

92 58.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015545.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015569.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.319 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015569.D

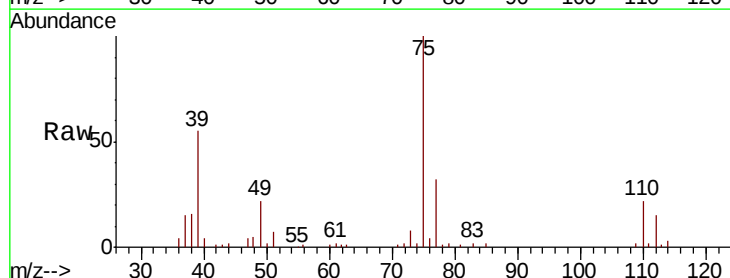
Acq: 17 Apr 2020 20:44

Tgt Ion: 75 Resp: 37435

Ion Ratio Lower Upper

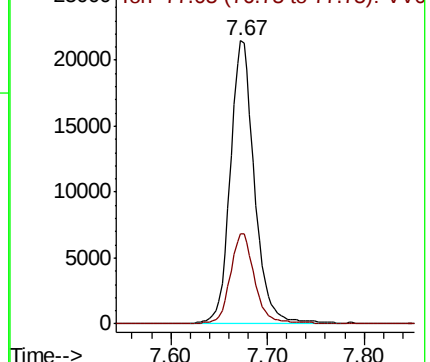
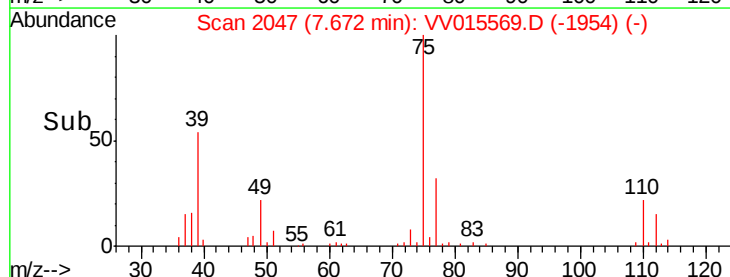
75 100

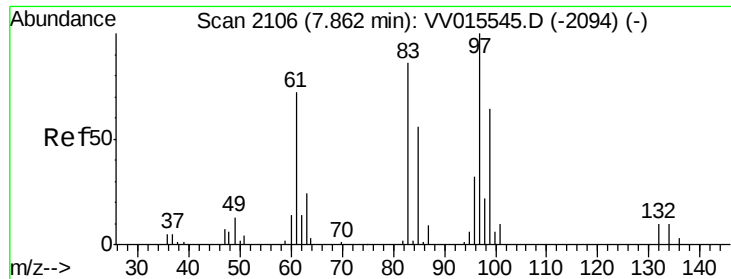
77 32.1 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015545.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015569.D (-1954) (-)

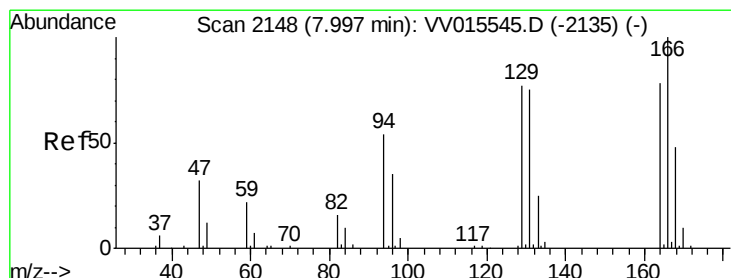
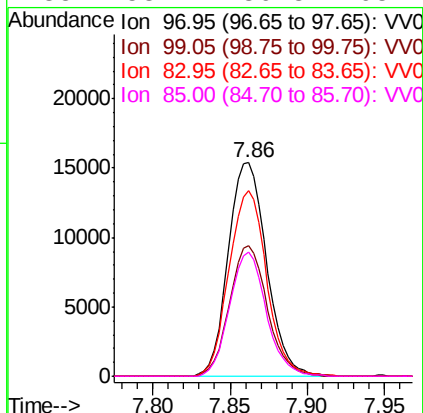
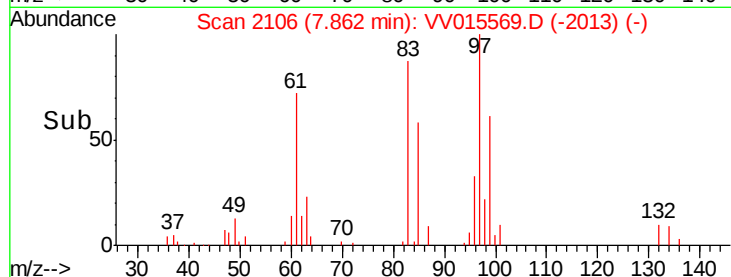
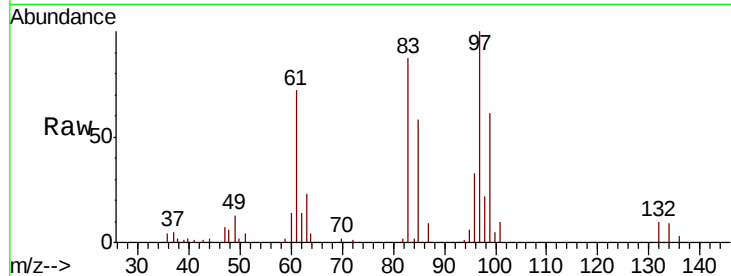




#45
 1,1,2-Trichloroethane
 Concen: 5.920 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

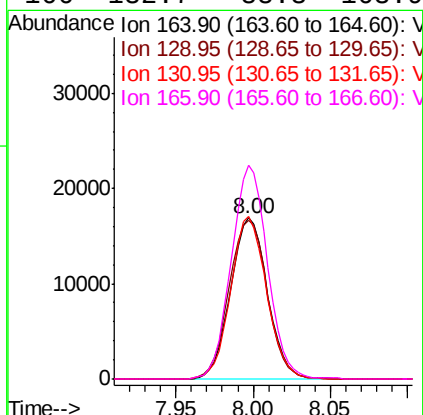
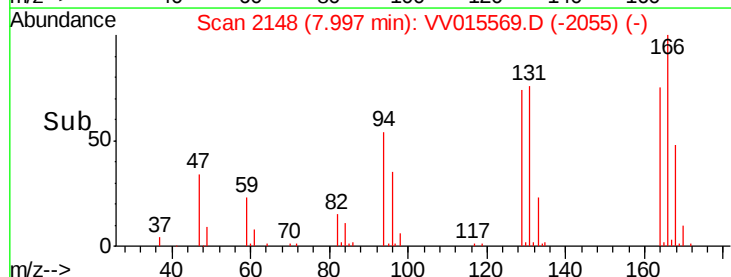
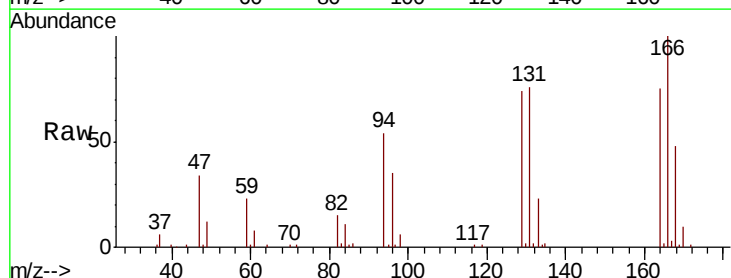
Instrument :
 MSVOA_V
 ClientSampleId :

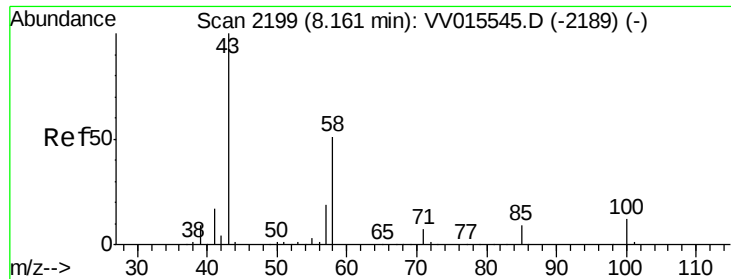
Tot Ion:	97	Resp:	26577
Ion	Ratio	Lower	Upper
97	100		
99	61.4	41.3	76.7
83	86.8	60.5	112.3
85	58.1	36.8	68.4



#47
 Tetrachloroethene
 Concen: 5.219 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Tgt Ion:	164	Resp:	28024
Ion	Ratio	Lower	Upper
164	100		
129	98.2	70.6	131.0
131	100.7	68.3	126.8
166	132.7	88.3	163.9

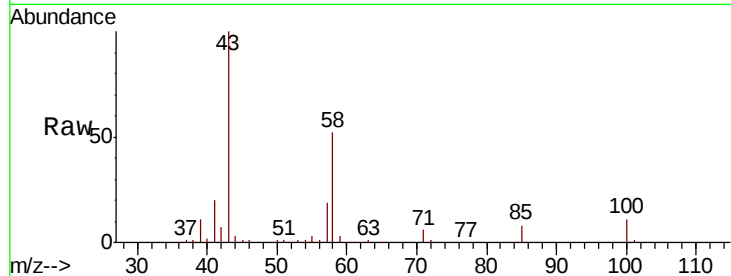




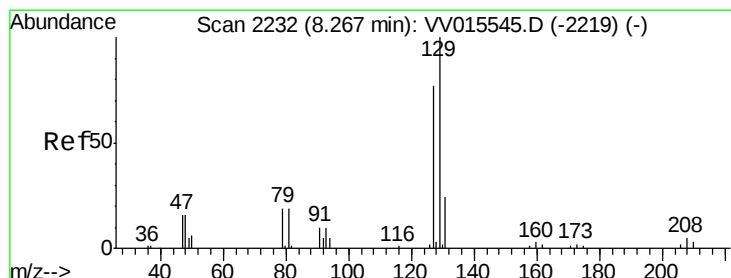
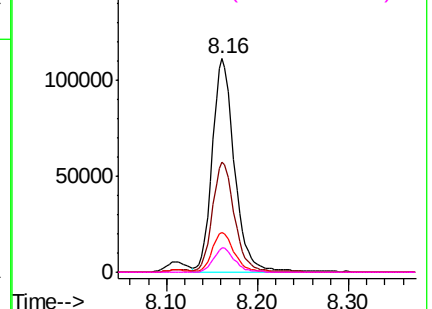
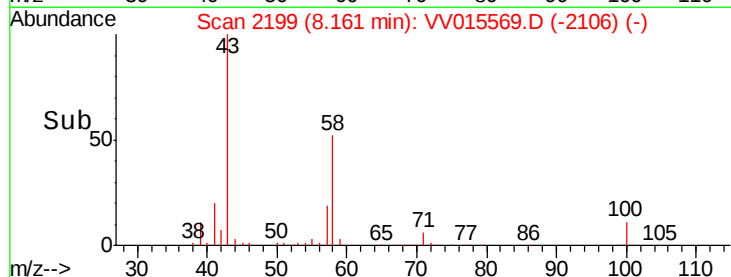
#48
2-Hexanone
Concen: 61.441 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 188270
Ion Ratio Lower Upper
43 100
58 51.4 41.4 62.0
57 18.4 15.0 22.4
100 11.1 9.4 14.2

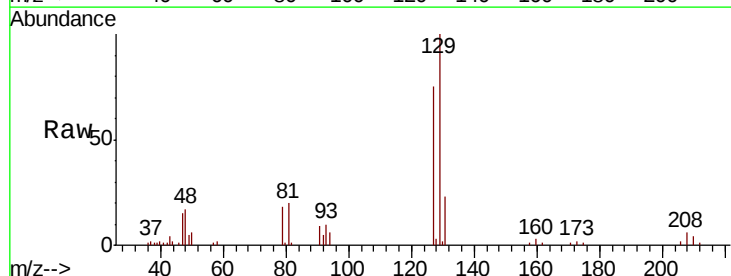


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

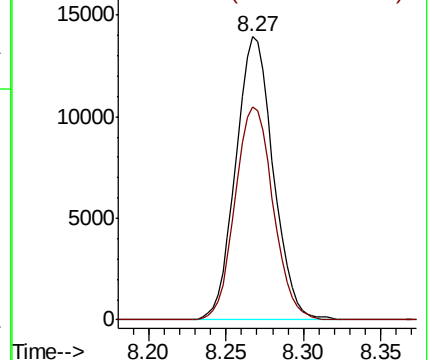
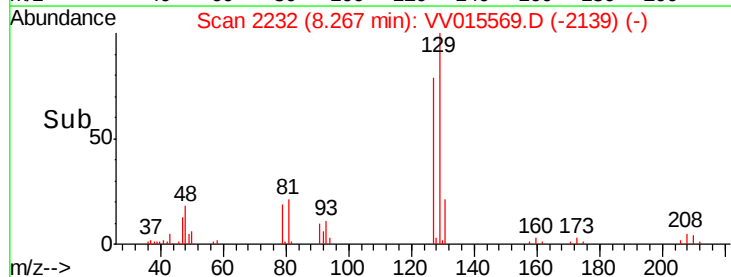


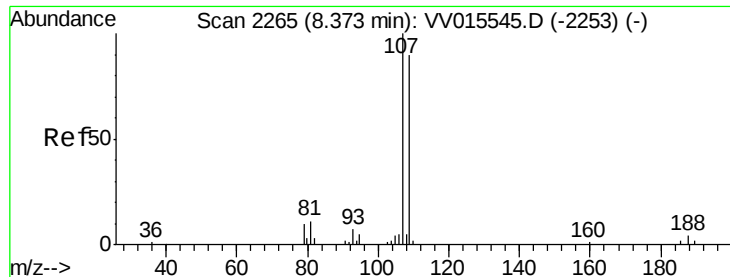
#49
Dibromochloromethane
Concen: 4.367 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Tgt Ion:129 Resp: 23483
Ion Ratio Lower Upper
129 100
127 75.4 54.7 101.7



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

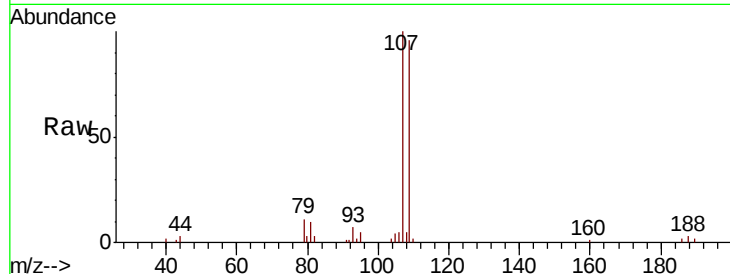




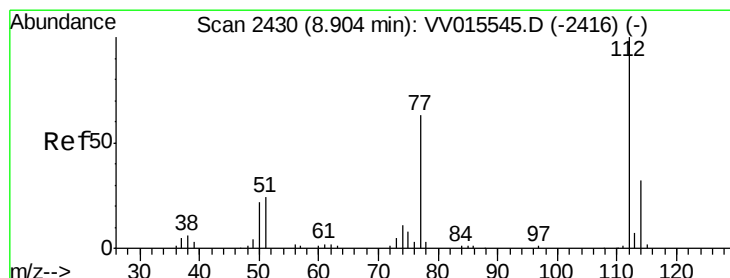
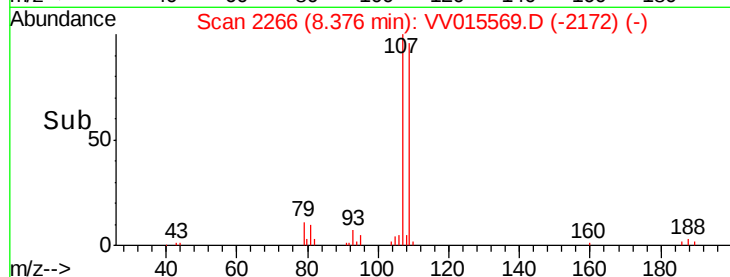
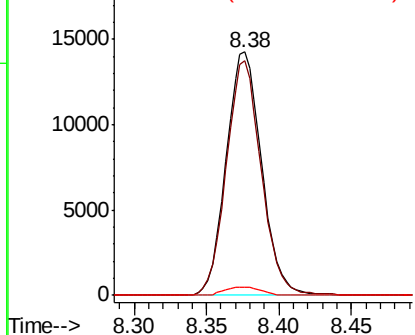
#50
1,2-Dibromoethane
Concen: 5.618 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 24174
Ion Ratio Lower Upper
107 100
109 96.4 66.7 123.9
188 3.3 2.9 4.3

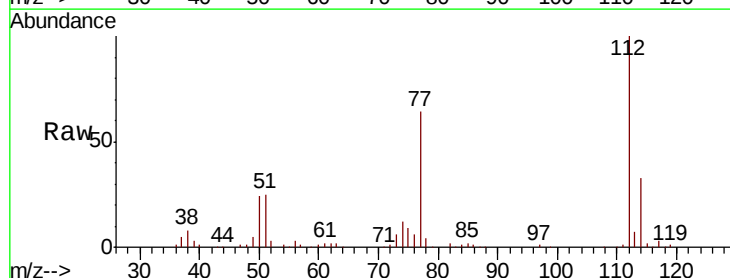


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

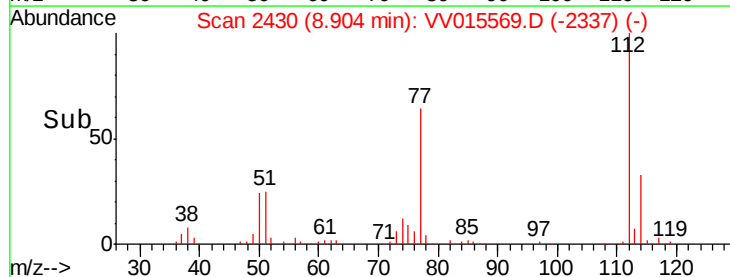
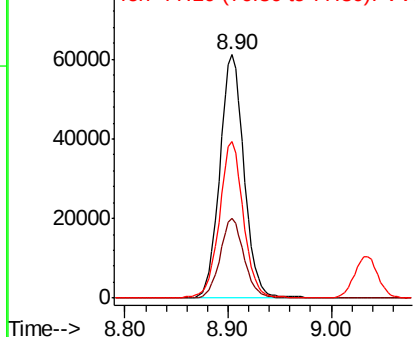


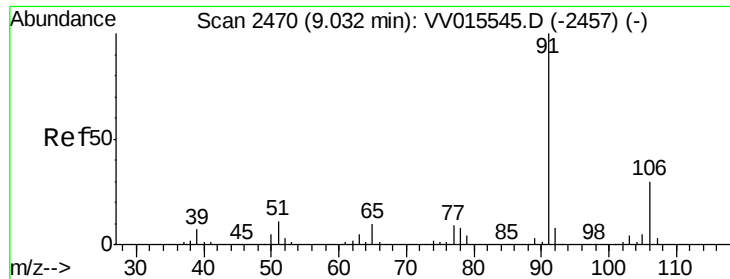
#51
Chlorobenzene
Concen: 5.351 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015569.D
Acq: 17 Apr 2020 20:44

Tgt Ion:112 Resp: 99715
Ion Ratio Lower Upper
112 100
114 32.8 22.9 42.5
77 64.5 49.8 74.8



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





#52

Ethylbenzene

Concen: 5.319 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

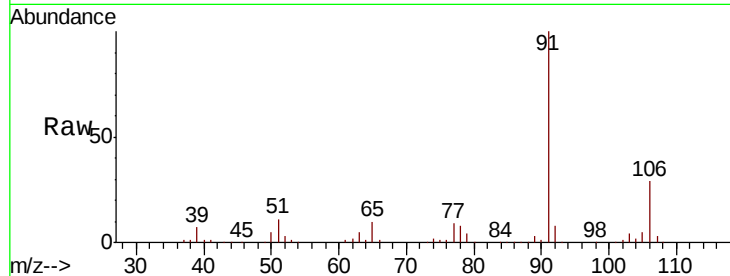
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 179002

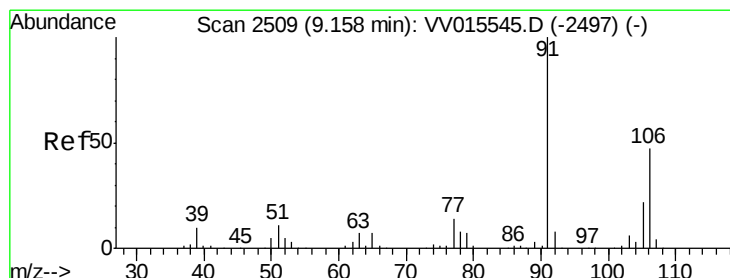
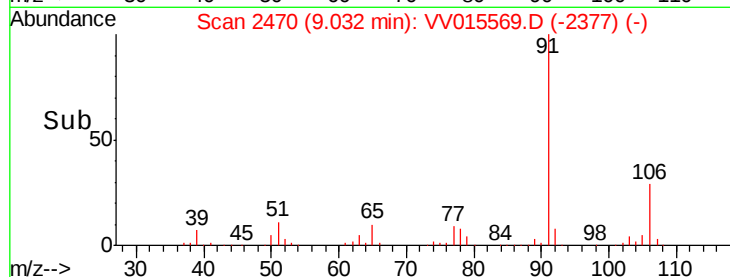
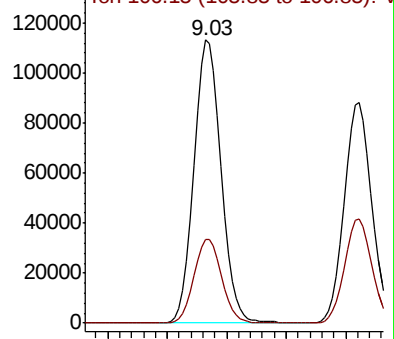
Ion Ratio Lower Upper

91 100

106 29.4 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015569.D (-2377) (-)



#53

m,p-xylene

Concen: 5.257 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015569.D

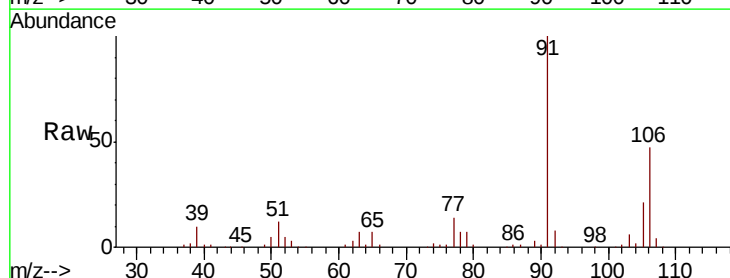
Acq: 17 Apr 2020 20:44

Tgt Ion: 106 Resp: 66820

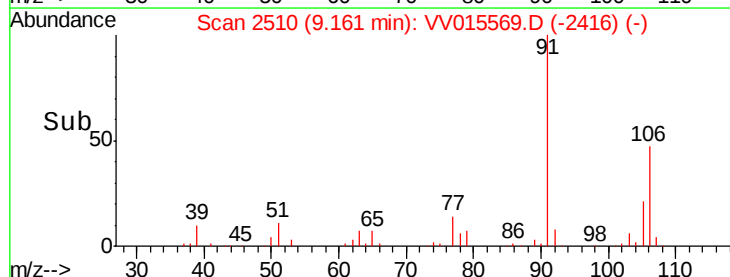
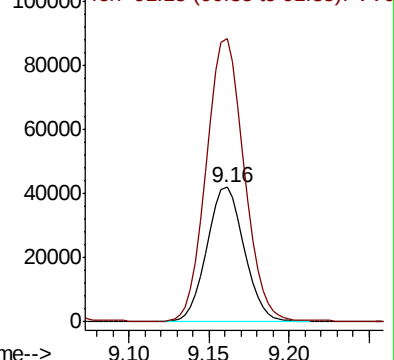
Ion Ratio Lower Upper

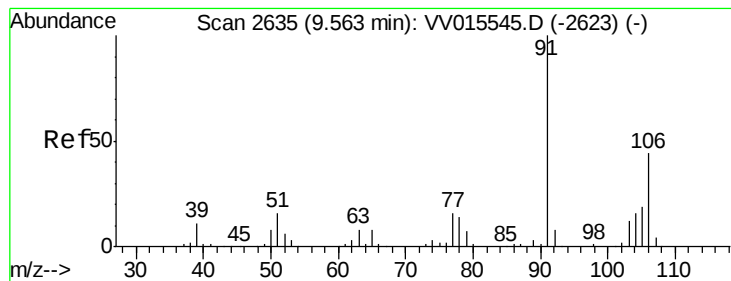
106 100

91 210.7 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015569.D (-2416) (-)





#54

o-xylene

Concen: 5.189 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

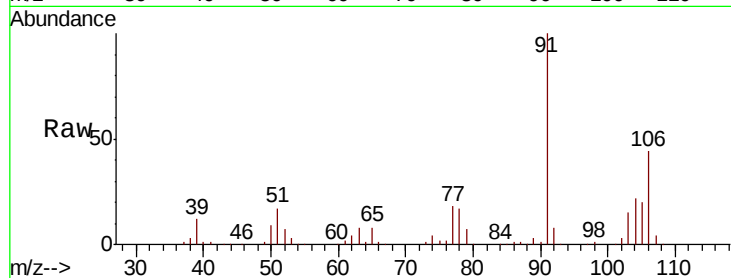
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 63834

Ion Ratio Lower Upper

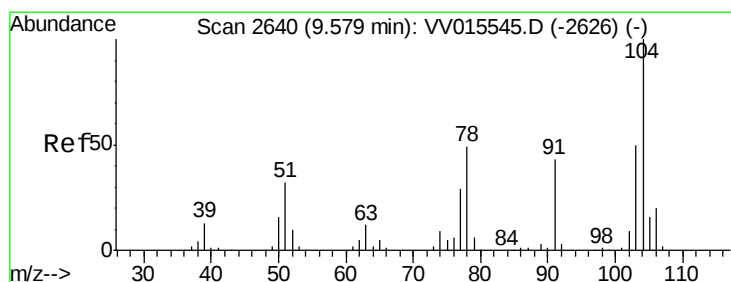
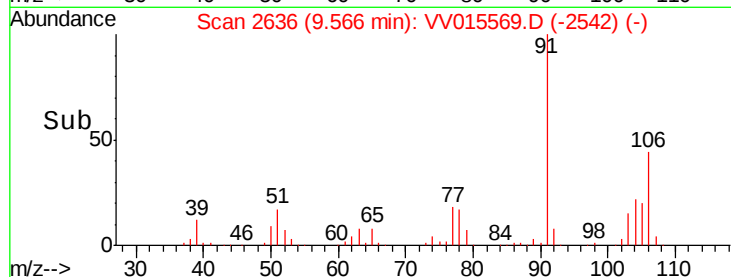
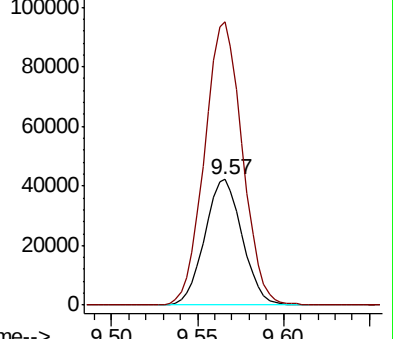
106 100

91 225.2 154.5 286.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.325 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015569.D

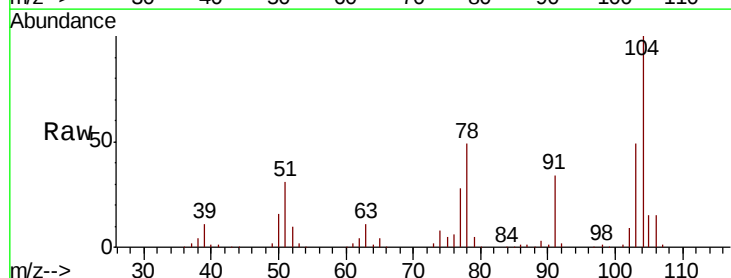
Acq: 17 Apr 2020 20:44

Tgt Ion:104 Resp: 110106

Ion Ratio Lower Upper

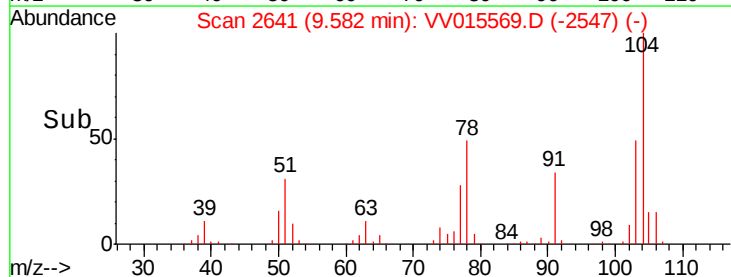
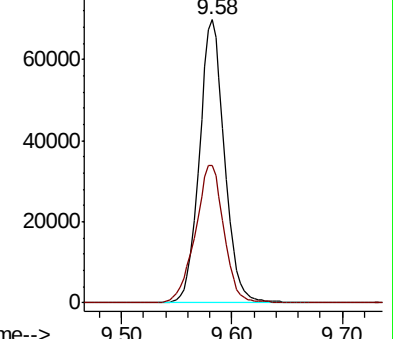
104 100

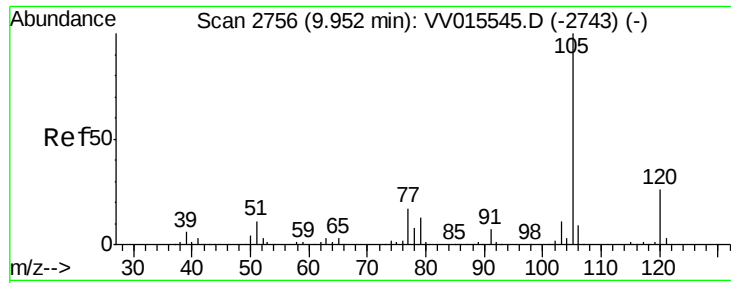
78 48.7 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.280 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

Instrument :

MSVOA_V

ClientSampleId :

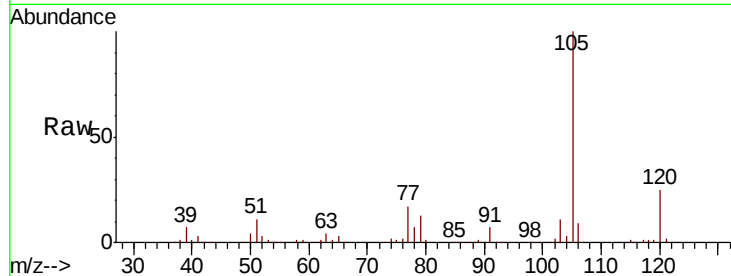
Tot Ion:105 Resp: 178081

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

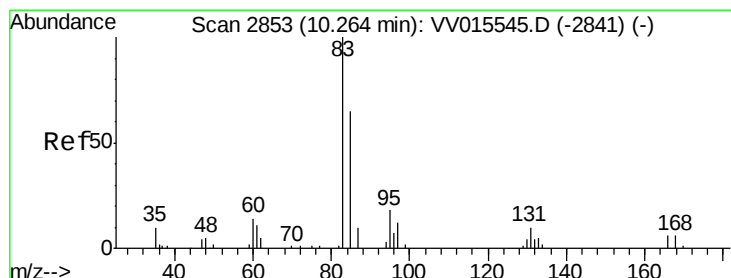
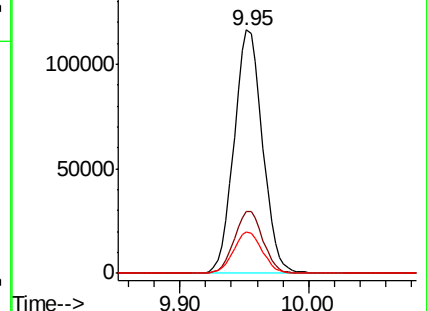
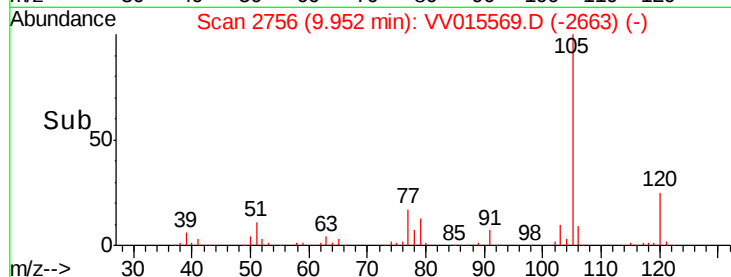
77 17.0 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): VV015545.D (-2743) (-)

Ion 120.10 (119.80 to 120.80): VV015545.D (-2743) (-)

Ion 77.10 (76.80 to 77.80): VV015545.D (-2743) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.497 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

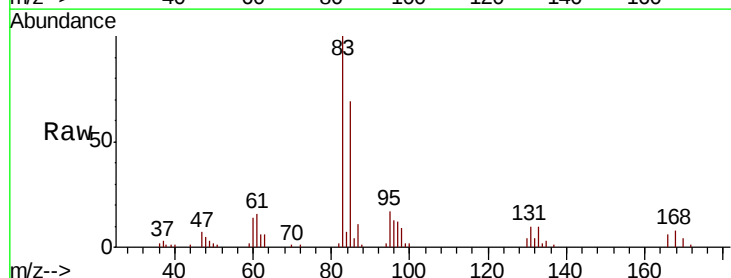
Tgt Ion: 83 Resp: 30036

Ion Ratio Lower Upper

83 100

85 68.8 44.5 82.7

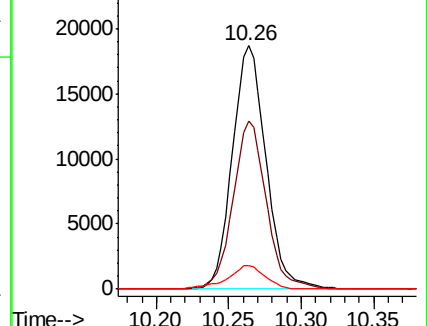
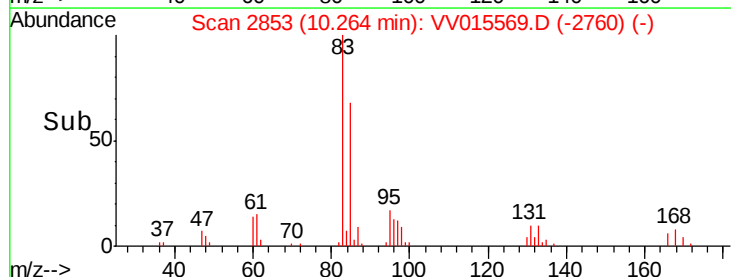
131 9.6 7.5 11.3

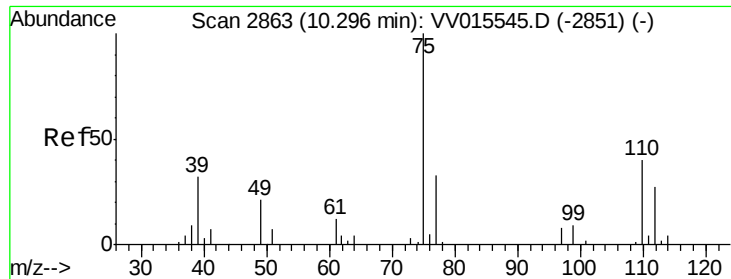


Abundance Ion 82.95 (82.65 to 83.65): VV015545.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV015545.D (-2841) (-)

Ion 130.95 (130.65 to 131.65): VV015545.D (-2841) (-)





#59

1,2,3-Trichloropropane

Concen: 5.902 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

Instrument :

MSVOA_V

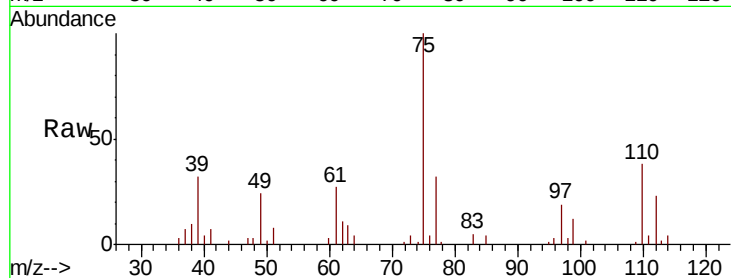
ClientSampleId :

Tot Ion: 75 Resp: 24371

Ion Ratio Lower Upper

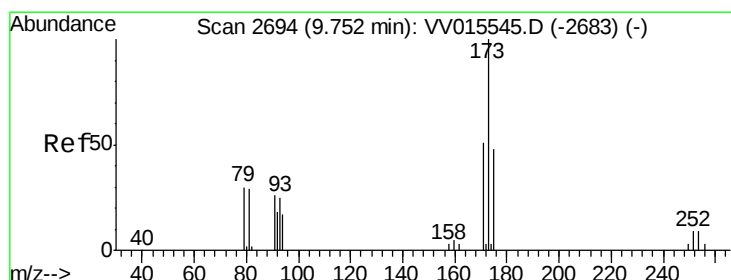
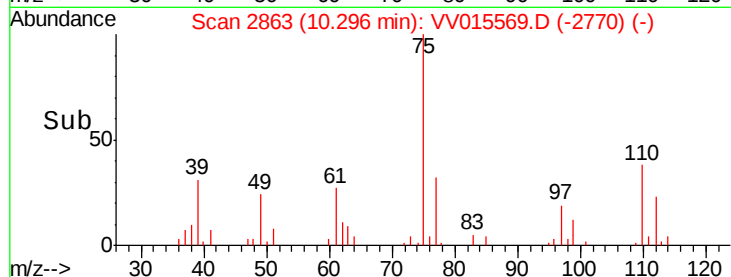
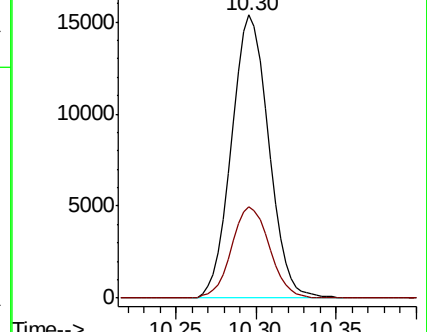
75 100

77 32.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015545.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015545.D (-2851) (-)



#61

Bromoform

Concen: 3.267 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

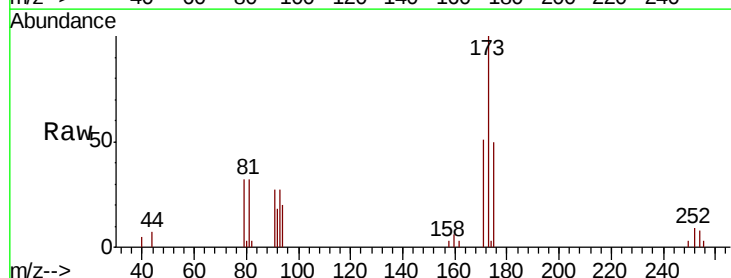
Tgt Ion:173 Resp: 8793

Ion Ratio Lower Upper

173 100

175 49.1 38.2 57.2

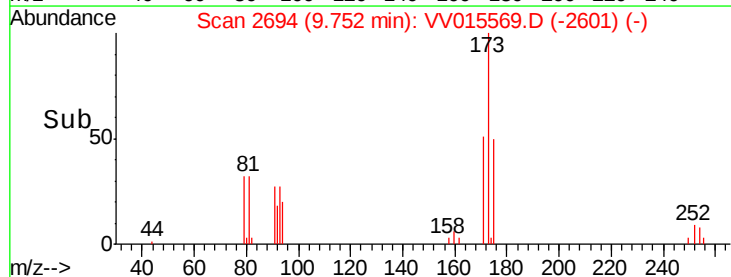
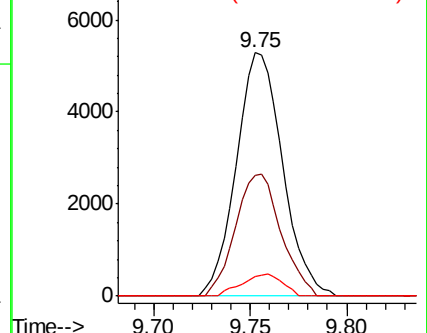
254 7.9 6.6 10.0

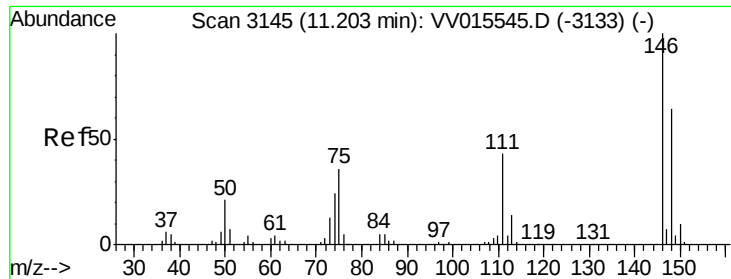


Abundance Ion 172.90 (172.60 to 173.60): VV015545.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015545.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015545.D (-2683) (-)

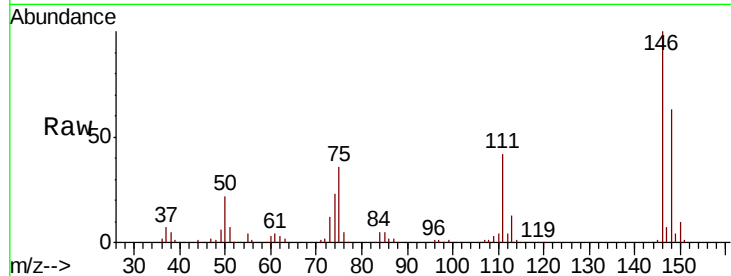




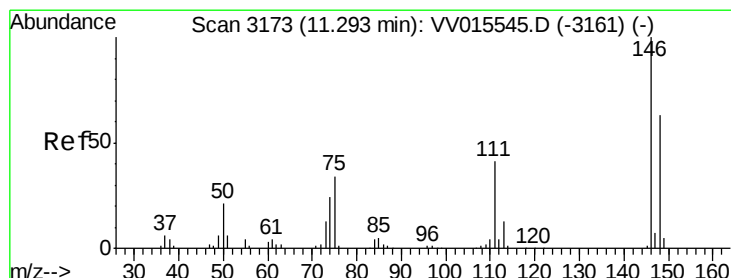
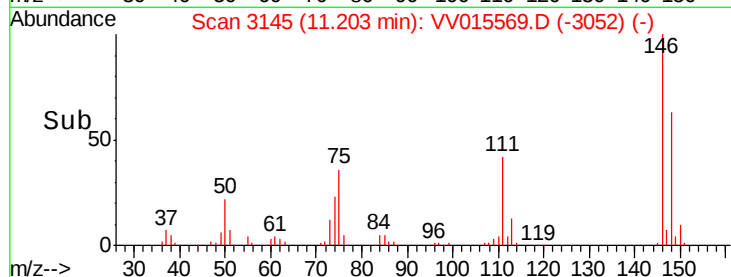
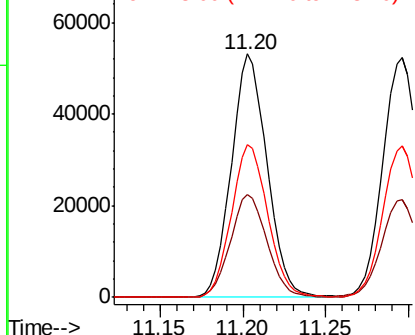
#62
 1,3-Dichlorobenzene
 Concen: 5.386 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 79685
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.3 54.5
 148 62.5 42.4 78.6

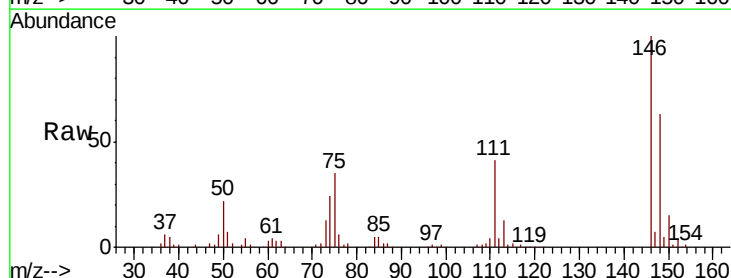


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

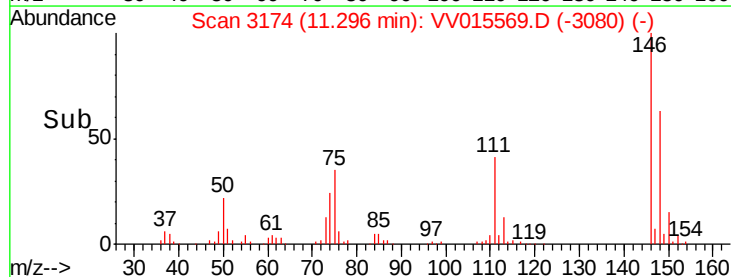
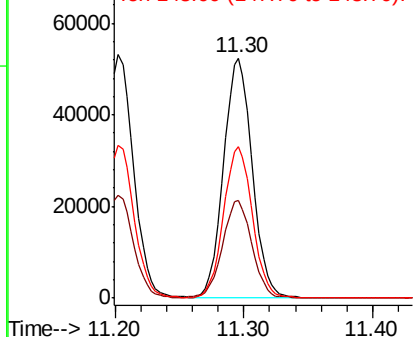


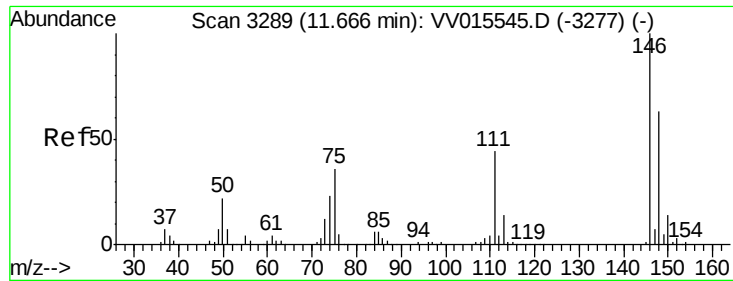
#63
 1,4-Dichlorobenzene
 Concen: 5.386 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Tgt Ion:146 Resp: 81097
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.4 54.6
 148 63.1 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.387 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

Instrument :

MSVOA_V

ClientSampleId :

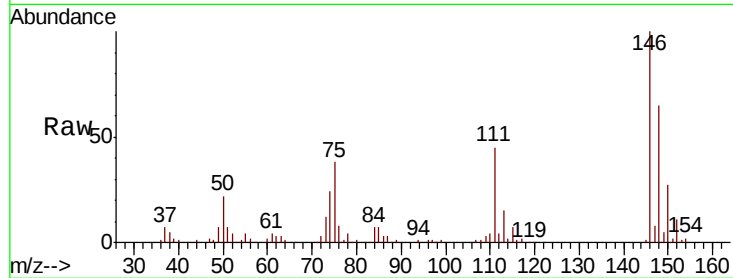
Tot Ion:146 Resp: 72663

Ion Ratio Lower Upper

146 100

111 44.5 35.8 53.6

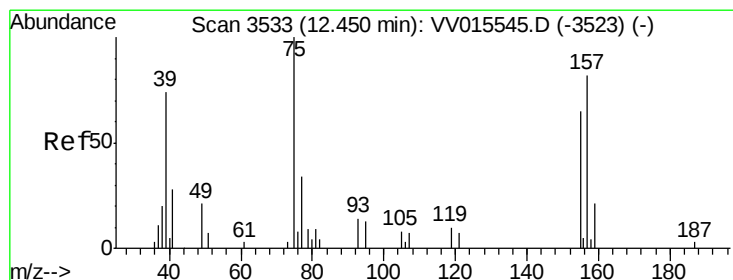
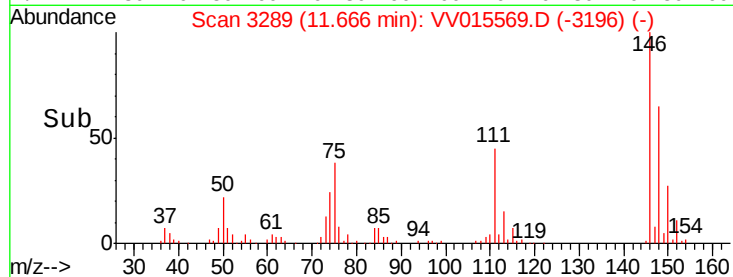
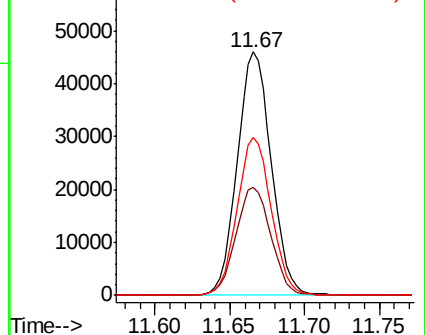
148 65.0 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.741 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

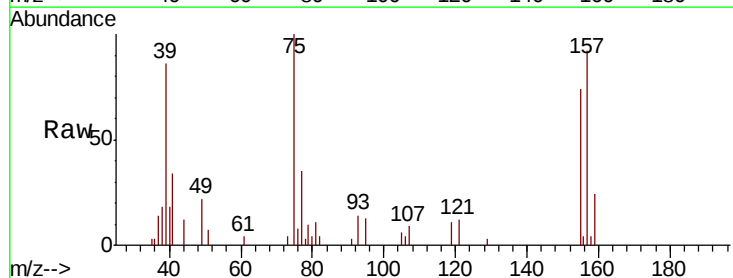
Tgt Ion: 75 Resp: 4894

Ion Ratio Lower Upper

75 100

155 73.8 60.8 91.2

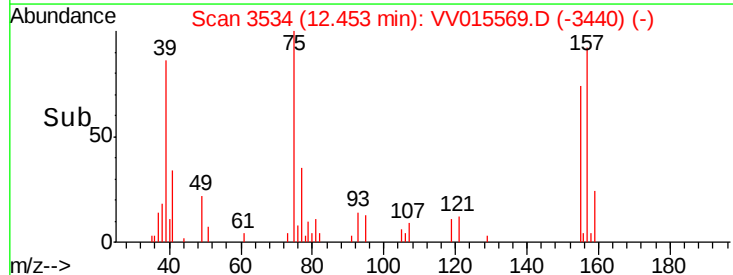
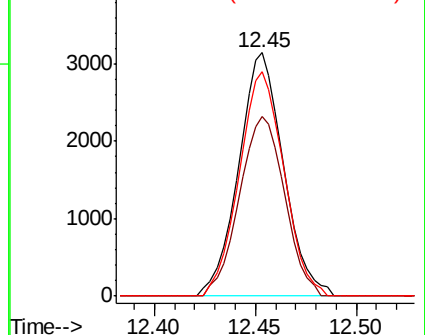
157 92.0 75.7 113.5

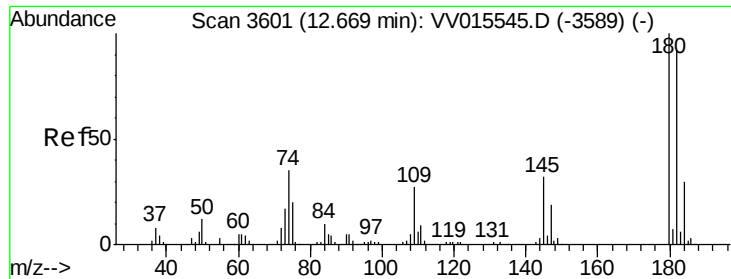


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

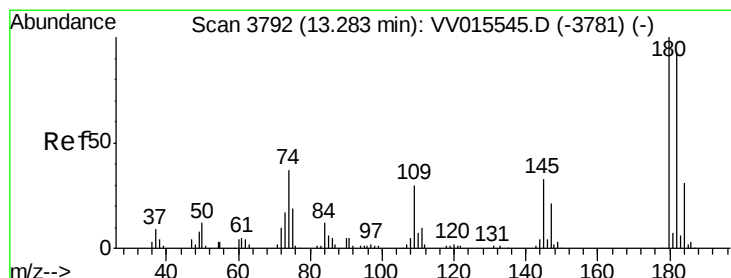
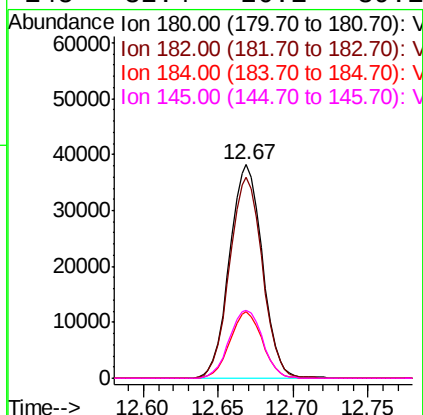
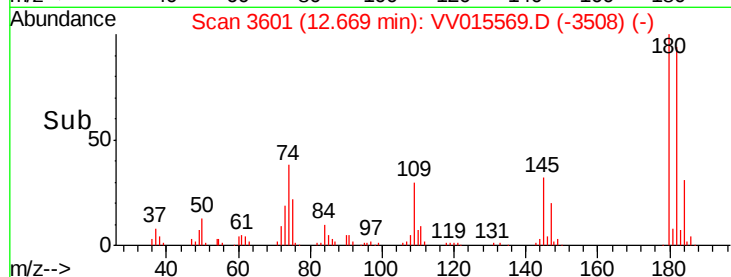
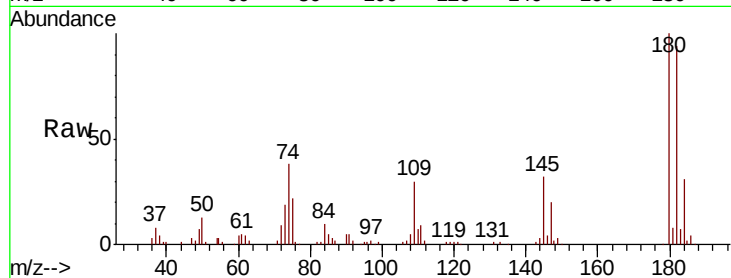




#67
 1,3,5-Trichlorobenzene
 Concen: 5.461 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

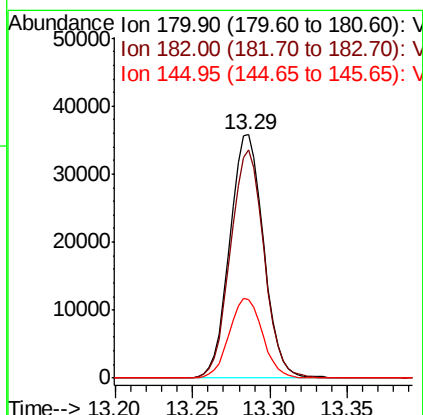
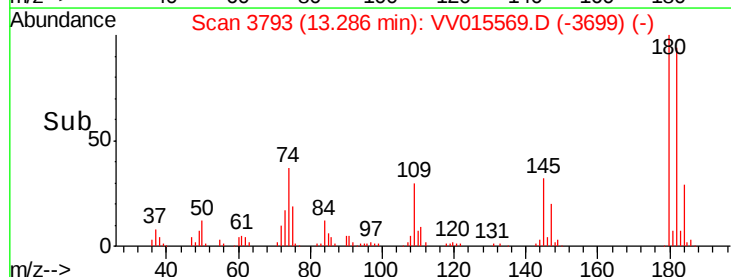
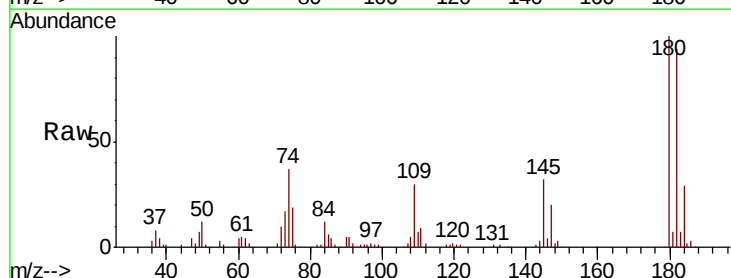
Instrument :
 MSVOA_V
 ClientSampleId :

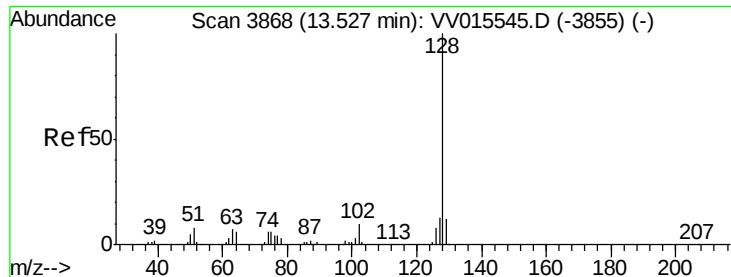
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.9	115.3
184	30.7	24.0	36.0
145	32.4	26.1	39.1



#68
 1,2,4-trichlorobenzene
 Concen: 5.627 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015569.D
 Acq: 17 Apr 2020 20:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.6	115.0
145	32.2	25.9	38.9





#69

Naphthalene

Concen: 5.534 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

Instrument :

MSVOA_V

ClientSampleId :

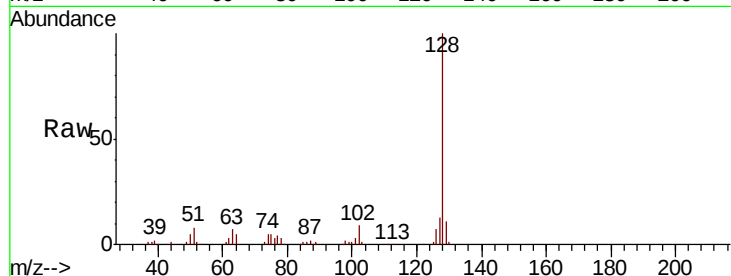
Tot Ion:128 Resp: 100413

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

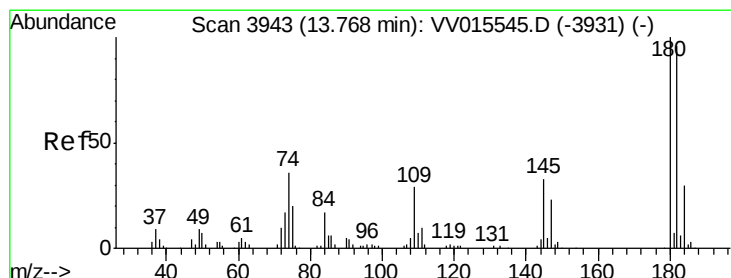
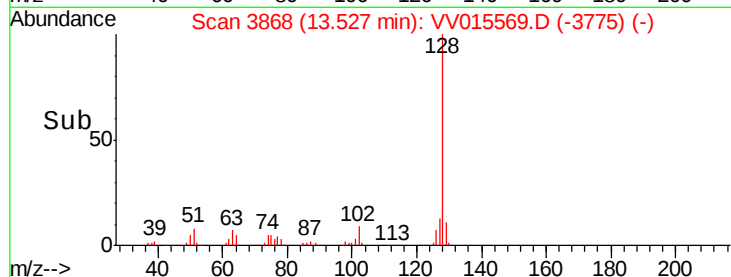
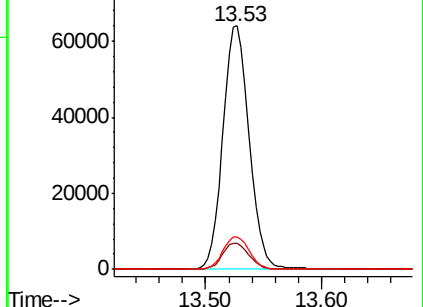
127 13.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.727 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015569.D

Acq: 17 Apr 2020 20:44

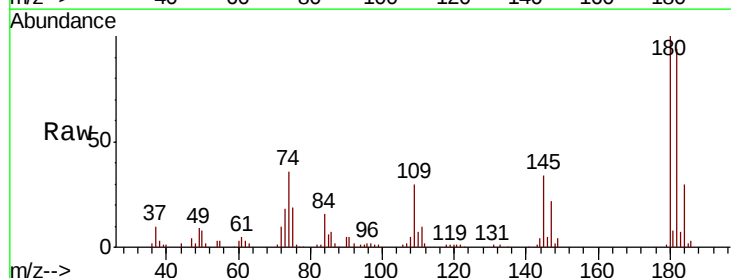
Tgt Ion:180 Resp: 48722

Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 34.3 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

