

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016029.D
 Acq On : 12 May 2020 21:17
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 07:00:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	138707	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	137174	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	72070	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	46309	6.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.00%
7) Chloroethane-d5	1.58	69	42396	5.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.80%
11) 1,1-Dichloroethene-d2	2.12	63	89572	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.80%
20) 2-Butanone-d5	3.92	46	127080	59.20	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.40%
24) Chloroform-d	4.38	84	89485	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.06	65	52218	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.08	84	180301	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.10	67	55777	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.34	98	169757	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
45) trans-1,3-Dichloropropene-	7.64	79	20112	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
48) 2-Hexanone-d5	8.11	63	98168	57.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39386	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	59337	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	53274	5.012	ug/L	99
3) Chloromethane	1.24	50	54482	5.063	ug/L	100
5) Vinyl chloride	1.32	62	52907	5.142	ug/L	99
6) Bromomethane	1.53	94	27031	4.629	ug/L	100
8) Chloroethane	1.59	64	34487	4.704	ug/L	97
9) Trichlorofluoromethane	1.76	101	75891	5.377	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	41215	5.170	ug/L	98
12) 1,1-Dichloroethene	2.13	96	38463	5.039	ug/L	93
13) Acetone	2.20	43	73650	52.014	ug/L	69
14) Carbon disulfide	2.31	76	121896	4.837	ug/L	99
15) Methyl Acetate	2.46	43	18766	5.735	ug/L	94
16) Methylene chloride	2.52	84	50198	5.496	ug/L	98
17) Methyl tert-butyl Ether	2.78	73	100353	5.059	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	44721	5.301	ug/L	99
19) 1,1-Dichloroethane	3.21	63	86061	5.297	ug/L	99
21) 2-Butanone	4.01	43	116930	54.225	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	46137	5.225	ug/L	99

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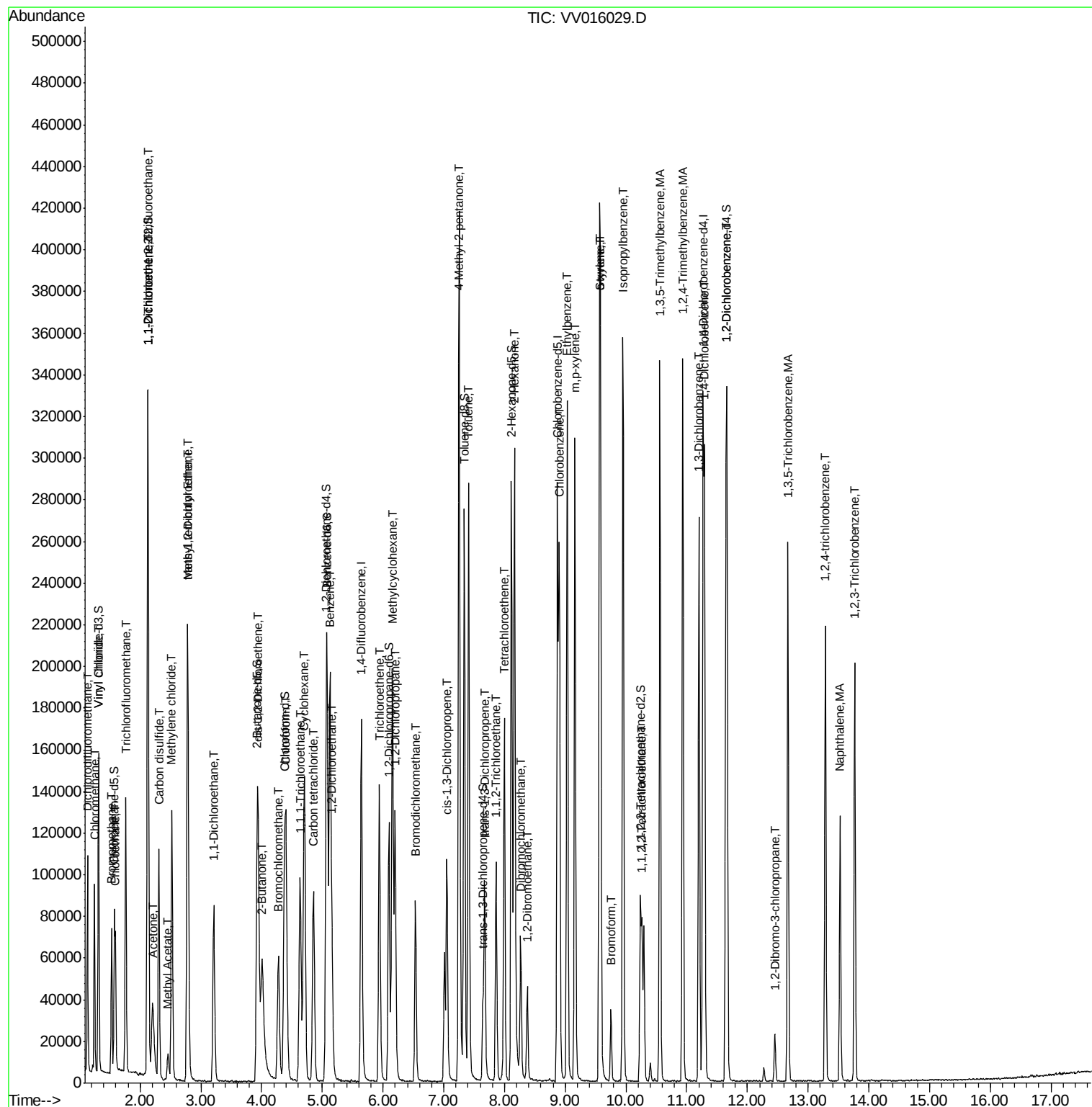
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	19635	5.209	ug/L	98
25) Chloroform	4.40	83	95718	5.349	ug/L	97
27) 1,2-Dichloroethane	5.16	62	56729	5.160	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	76503	5.057	ug/L	97
30) Cyclohexane	4.70	56	76245	5.030	ug/L	98
31) Carbon tetrachloride	4.85	117	65950	5.052	ug/L	100
33) Benzene	5.13	78	184985	5.360	ug/L	100
34) Trichloroethene	5.94	95	48506	4.924	ug/L	95
35) Methylcyclohexane	6.15	83	74450	4.996	ug/L	98
37) 1,2-Dichloropropane	6.20	63	46155	5.264	ug/L	99
38) Bromodichloromethane	6.53	83	56586	5.082	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	59667	4.815	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	291467	53.333	ug/L	100
42) Toluene	7.41	91	196791	5.379	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	176854	5.266	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	176893	5.271	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	51069	4.878	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	31083	5.308	ug/L	97
49) Tetrachloroethene	8.00	164	35795	5.208	ug/L	99
50) 2-Hexanone	8.16	43	215022	55.637	ug/L	98
51) Dibromochloromethane	8.27	129	32747	4.977	ug/L	93
52) 1,2-Dibromoethane	8.38	107	28399	5.230	ug/L	95
53) Chlorobenzene	8.90	112	123243	5.238	ug/L	97
54) Ethylbenzene	9.04	91	217837	5.237	ug/L	98
55) m,p-xylene	9.16	106	81710	5.305	ug/L	100
56) o-xylene	9.57	106	78863	5.356	ug/L	97
57) Styrene	9.58	104	131877	5.354	ug/L	99
58) Isopropylbenzene	9.95	105	214237	5.296	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	33807	5.403	ug/L	95
62) Bromoform	9.75	173	14274	4.311	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	99368	5.118	ug/L	100
64) 1,4-Dichlorobenzene	11.30	146	98651	5.057	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	89481	5.092	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	5599	4.882	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	71031	5.003	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	58370	4.785	ug/L	100
70) Naphthalene	13.53	128	92024	4.743	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	53068	4.931	ug/L	100

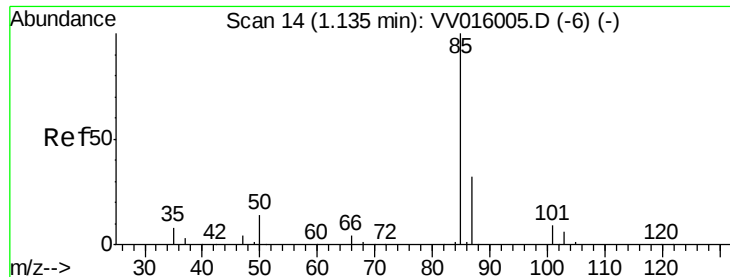
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.012 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

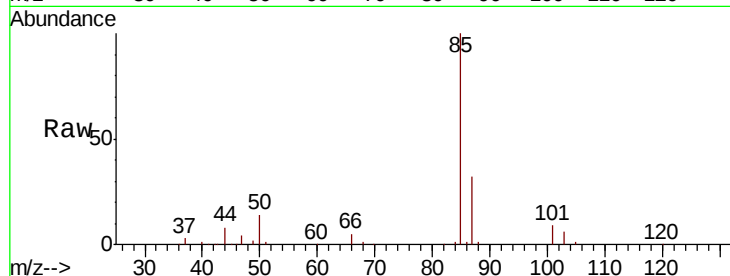
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 53274

Ion Ratio Lower Upper

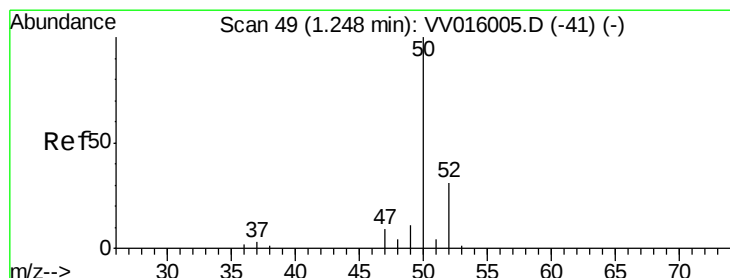
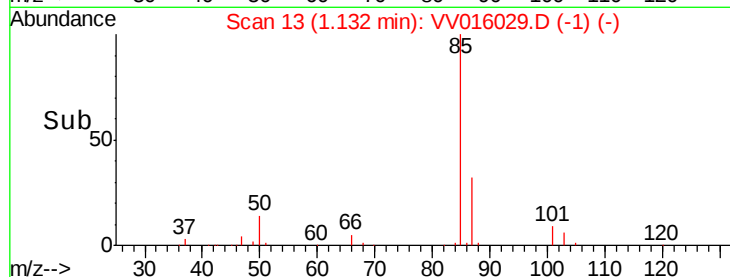
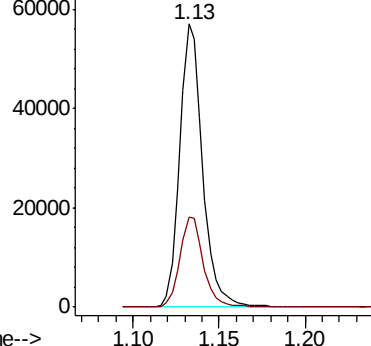
85 100

87 32.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016005.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV016005.D (-6) (-)



#3

Chloromethane

Concen: 5.063 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV016029.D

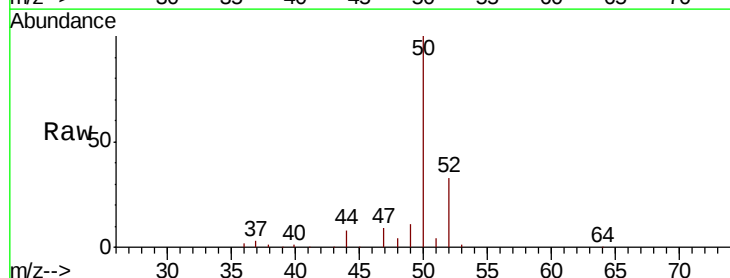
Acq: 12 May 2020 21:17

Tgt Ion: 50 Resp: 54482

Ion Ratio Lower Upper

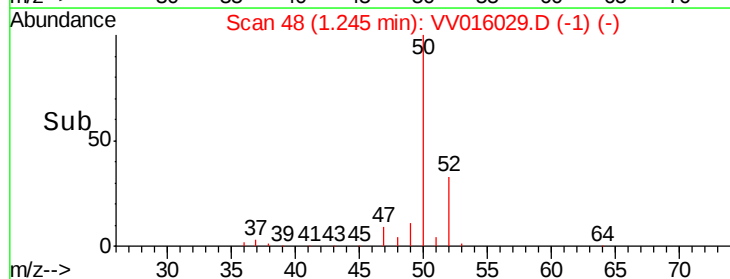
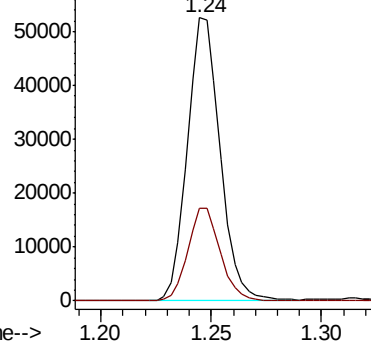
50 100

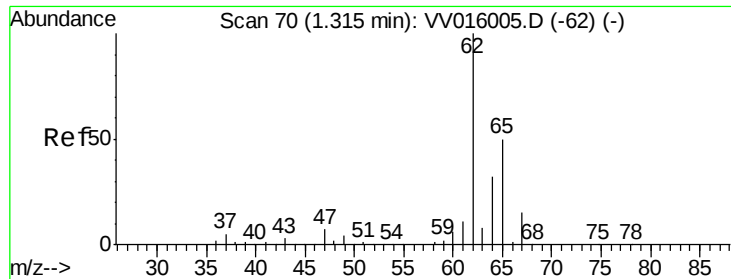
52 32.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV016005.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV016005.D (-41) (-)





#5

Vinyl chloride

Concen: 5.142 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Instrument :

MSVOA_V

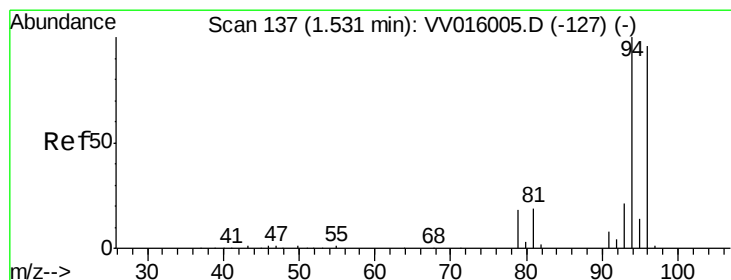
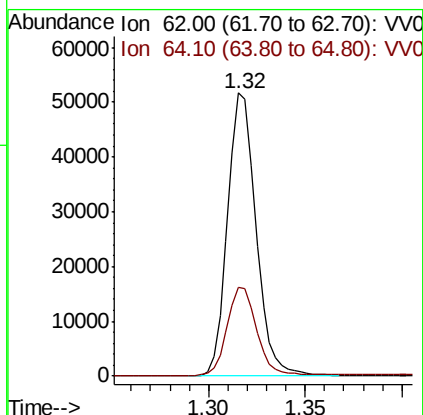
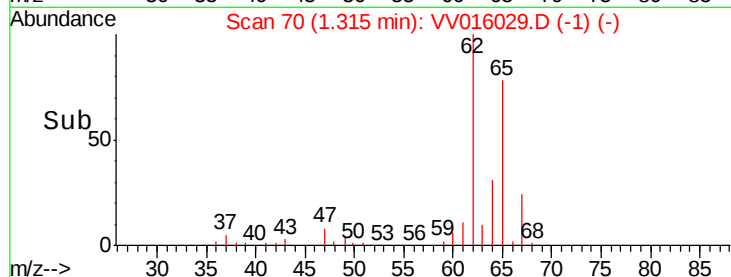
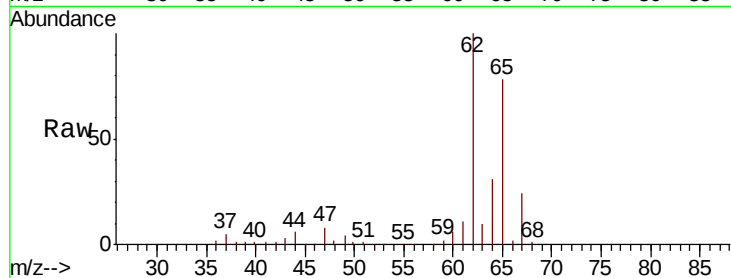
ClientSampleId :

Tot Ion: 62 Resp: 52907

Ion Ratio Lower Upper

62 100

64 31.4 22.4 41.6



#6

Bromomethane

Concen: 4.629 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016029.D

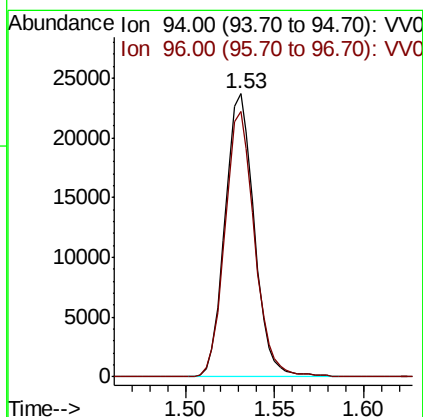
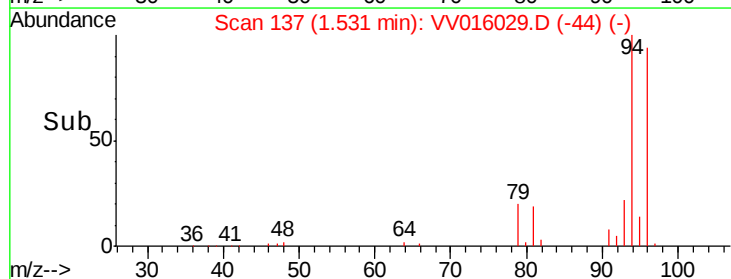
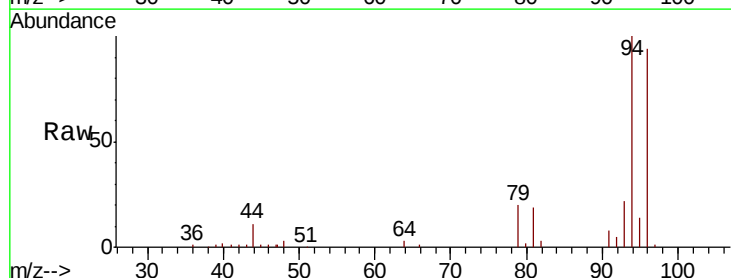
Acq: 12 May 2020 21:17

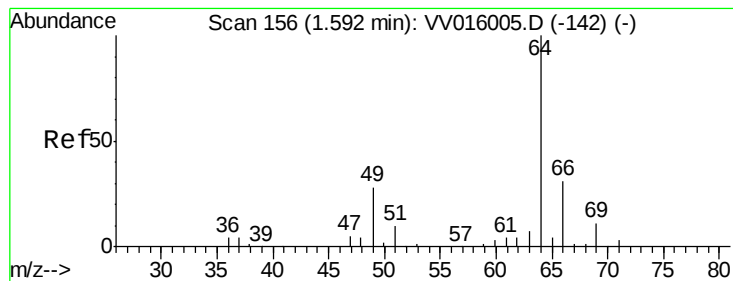
Tgt Ion: 94 Resp: 27031

Ion Ratio Lower Upper

94 100

96 93.8 65.4 121.4





#8

Chloroethane

Concen: 4.704 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

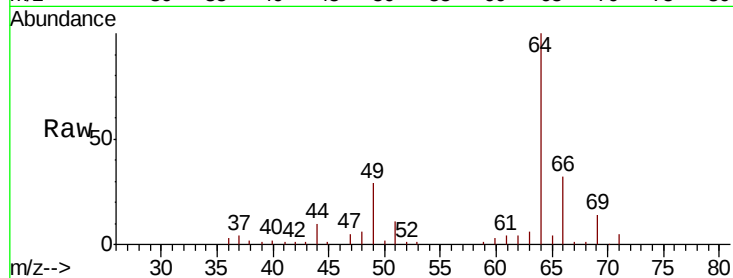
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 34487

Ion Ratio Lower Upper

64 100

66 31.8 23.6 43.8

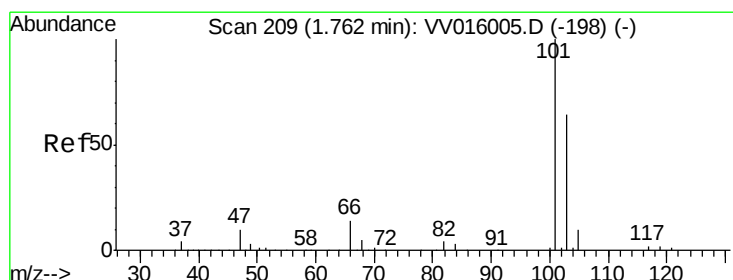
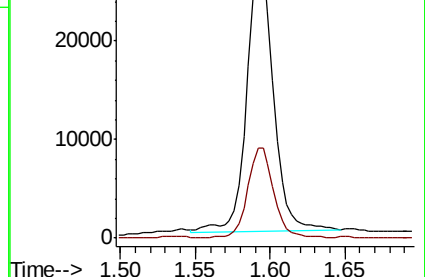
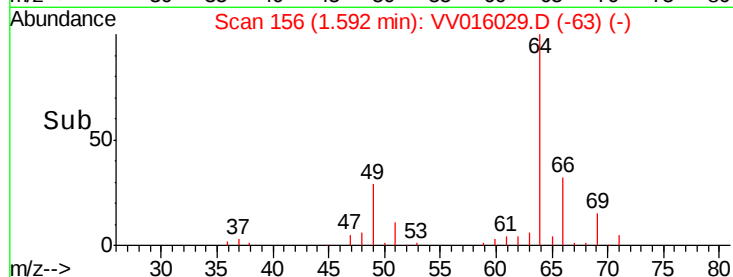


Abundance Ion 64.10 (63.80 to 64.80): VV016029.D (-142) (-)

Ion 66.05 (65.75 to 66.75): VV016029.D (-142) (-)

1.59

Time-->



#9

Trichlorofluoromethane

Concen: 5.377 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV016029.D

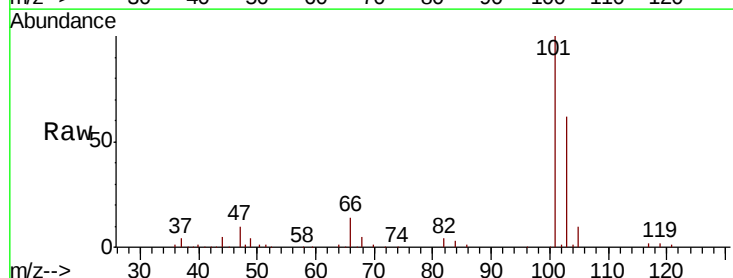
Acq: 12 May 2020 21:17

Tgt Ion:101 Resp: 75891

Ion Ratio Lower Upper

101 100

103 63.5 51.4 77.2

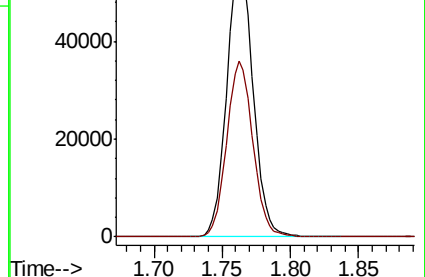
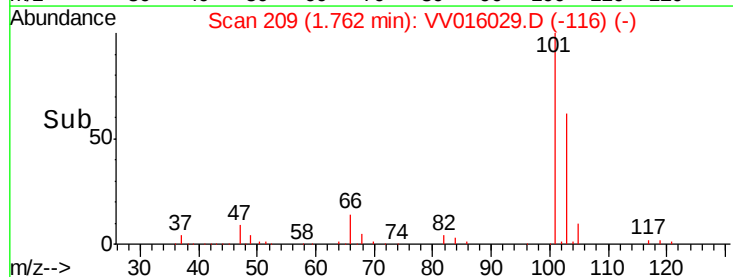


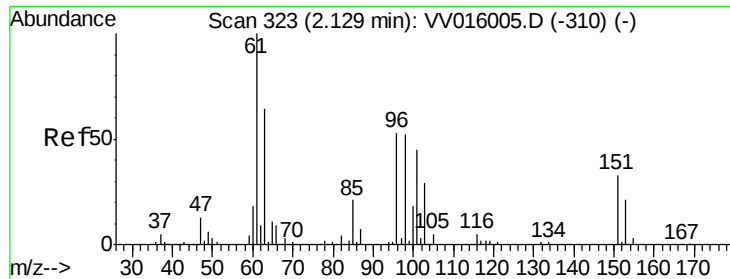
Abundance Ion 101.00 (100.70 to 101.70): VV016029.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV016029.D (-198) (-)

1.76

Time-->





#10

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

Concen: 5.170 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

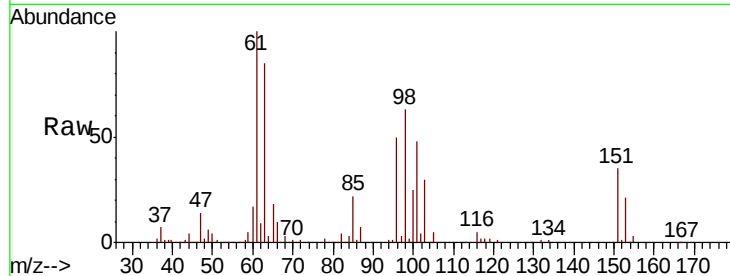
Tot Ion:101 Resp: 41215

Ion Ratio Lower Upper

101 100

85 46.0 35.7 53.5

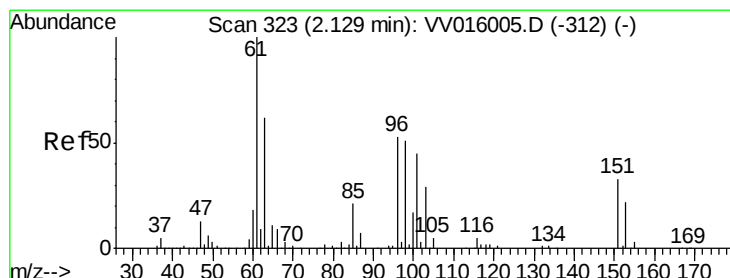
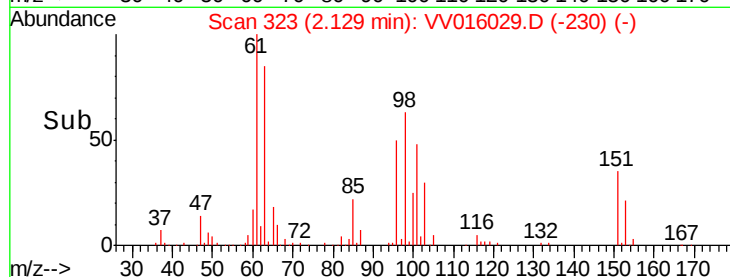
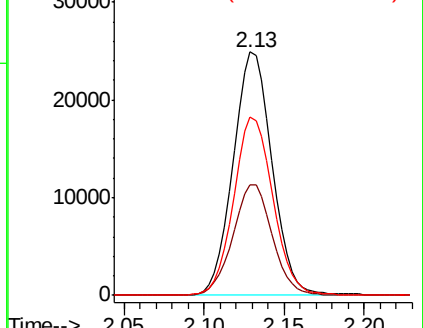
151 74.0 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.039 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

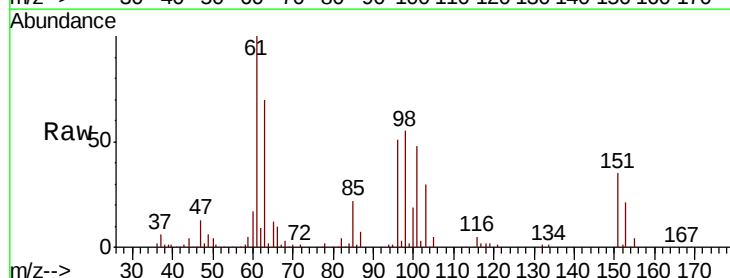
Tgt Ion: 96 Resp: 38463

Ion Ratio Lower Upper

96 100

61 194.5 139.9 259.7

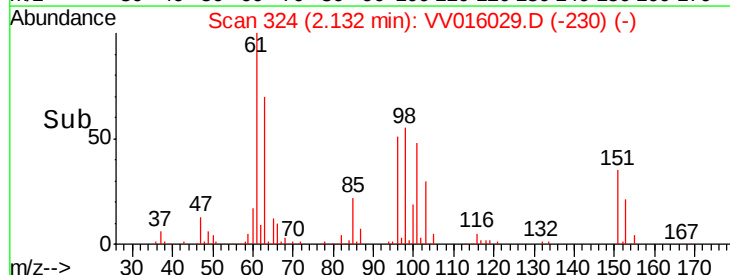
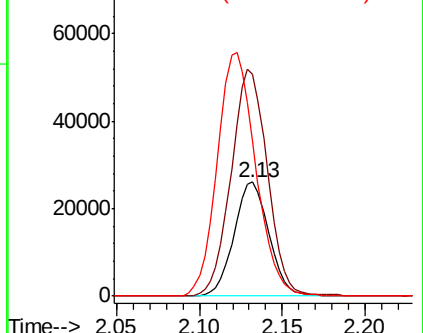
63 135.8 106.4 197.6

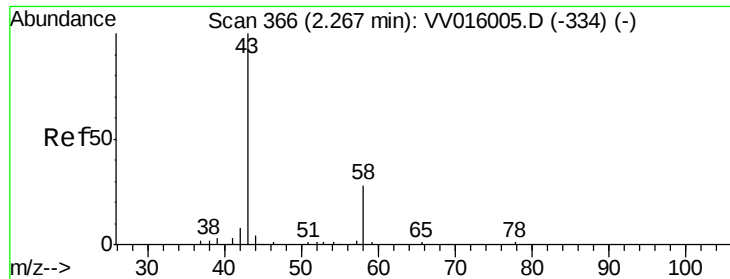


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.014 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.06 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

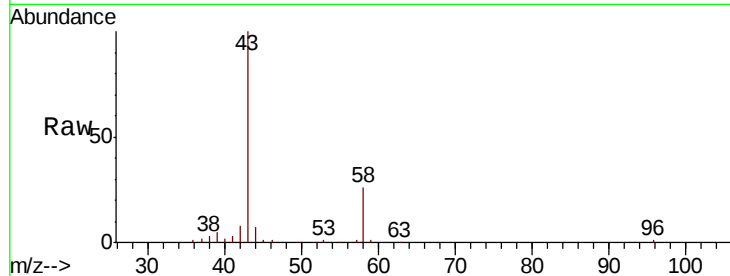
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 73650

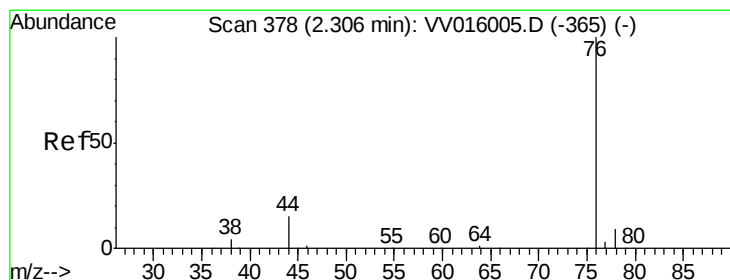
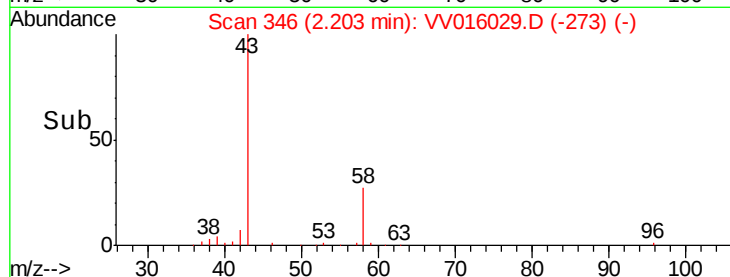
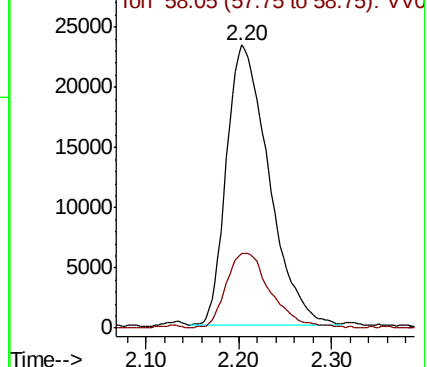
Ion Ratio Lower Upper

43 100

58 28.4 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016005.D (-334) (-)



#14

Carbon disulfide

Concen: 4.837 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016029.D

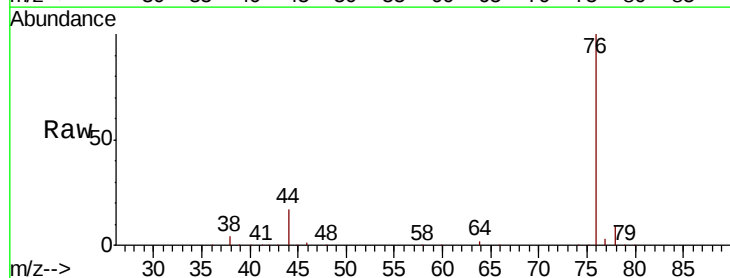
Acq: 12 May 2020 21:17

Tgt Ion: 76 Resp: 121896

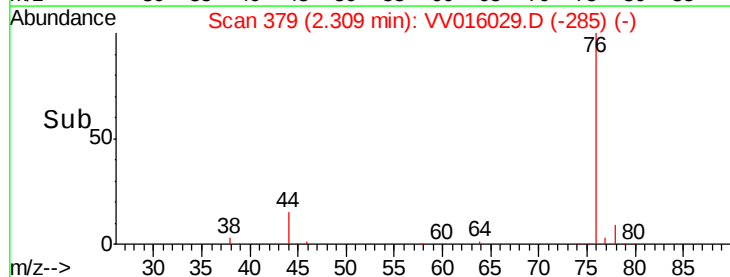
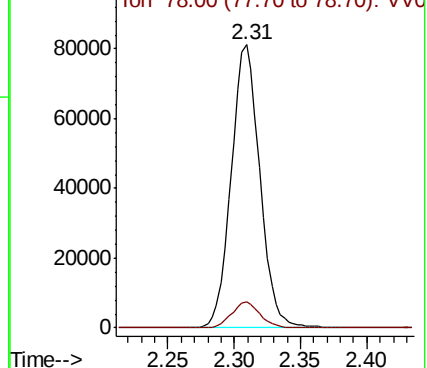
Ion Ratio Lower Upper

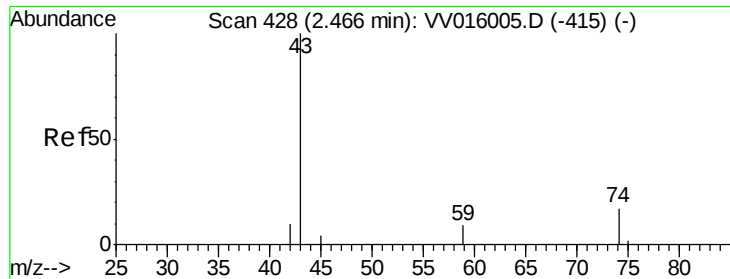
76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV016005.D (-365) (-)

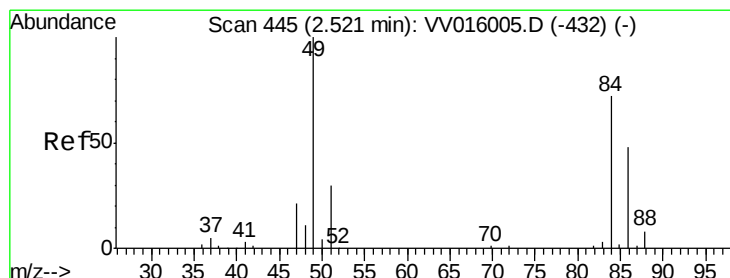
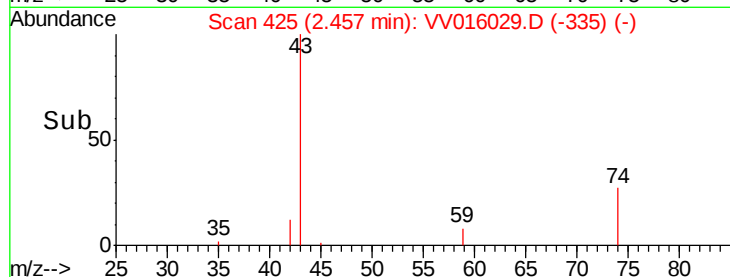
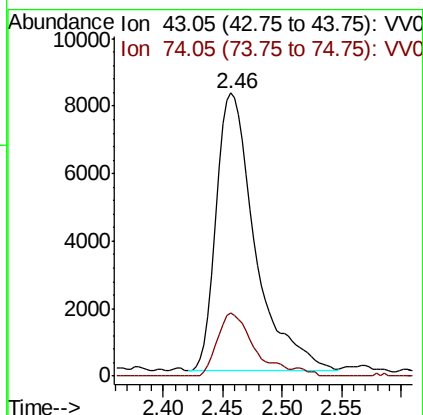
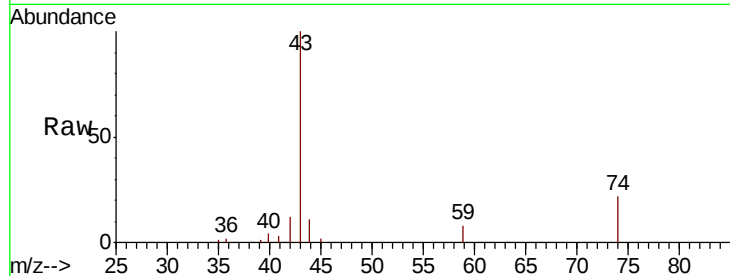




#15
Methvl Acetate
Concen: 5.735 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

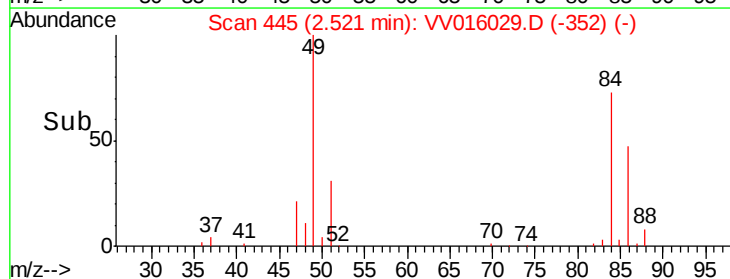
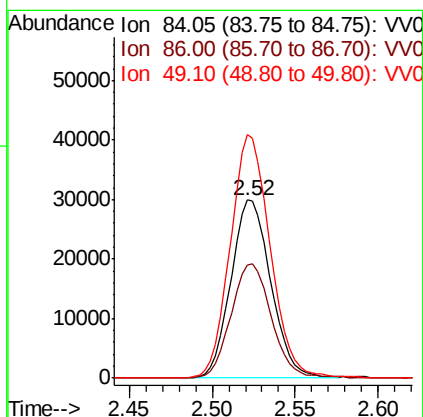
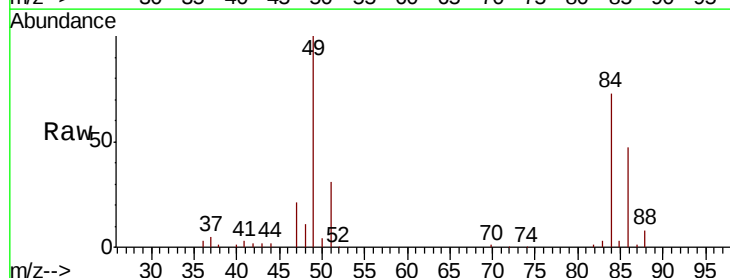
Instrument :
MSVOA_V
ClientSampleId :

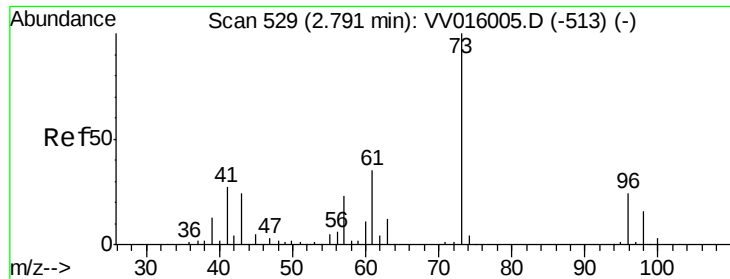
Tot Ion: 43 Resp: 18766
Ion Ratio Lower Upper
43 100
74 21.1 19.2 28.8



#16
Methylene chloride
Concen: 5.496 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Tgt Ion: 84 Resp: 50198
Ion Ratio Lower Upper
84 100
86 63.7 45.6 84.8
49 136.7 93.6 173.8

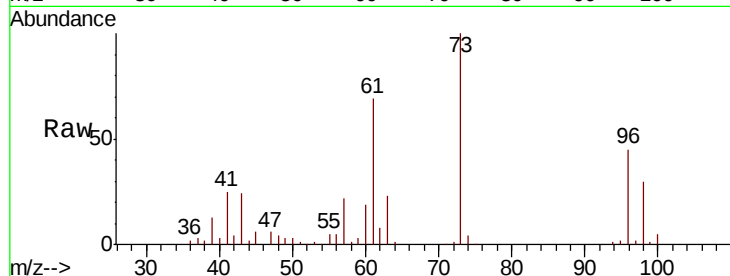




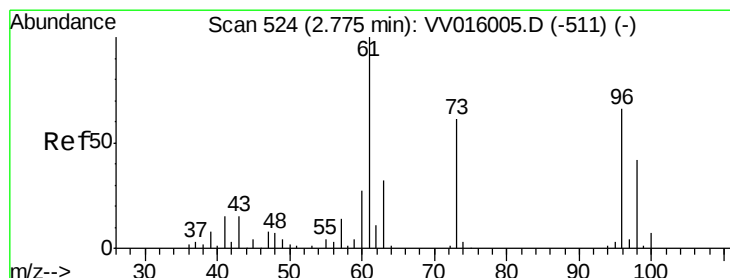
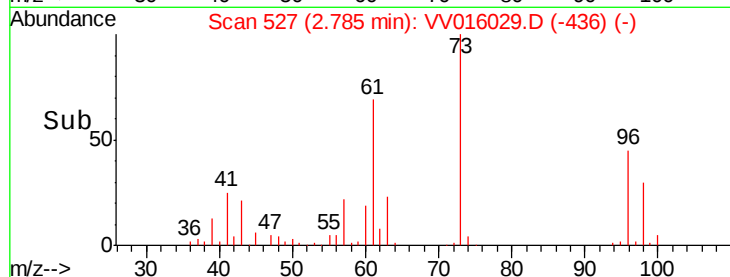
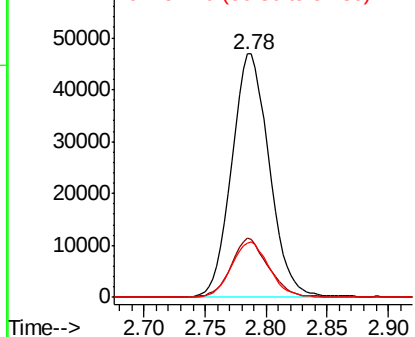
#17
Methvl tert-butvl Ether
Concen: 5.059 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 100353
Ion Ratio Lower Upper
73 100
43 23.3 18.8 28.2
57 22.9 17.8 26.6

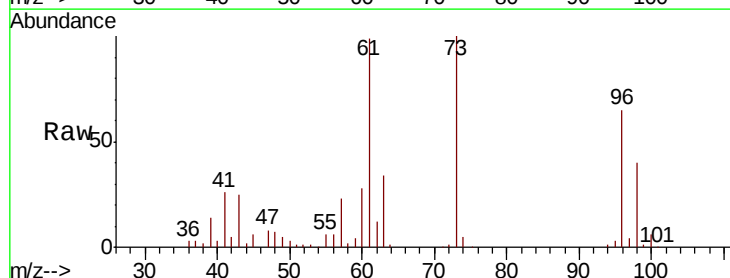


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

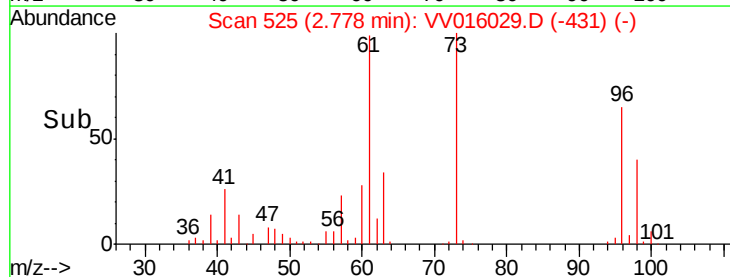
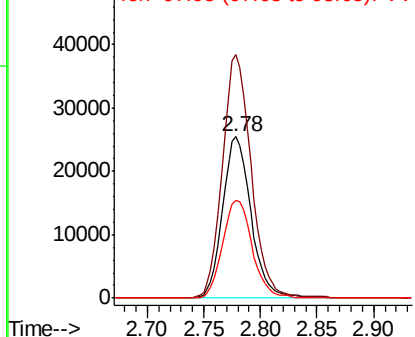


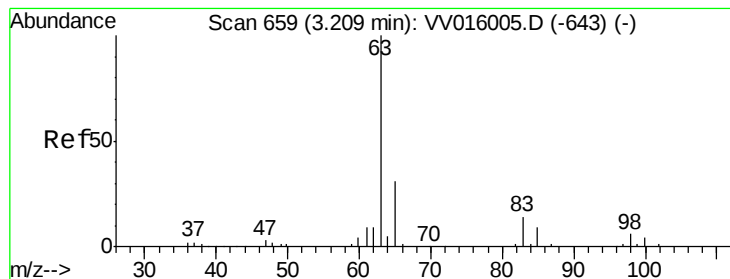
#18
trans-1,2-Dichloroethene
Concen: 5.301 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Tgt Ion: 96 Resp: 44721
Ion Ratio Lower Upper
96 100
61 151.1 105.3 195.5
98 60.7 44.0 81.6



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: 5.297 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Instrument :

MSVOA_V

ClientSampled :

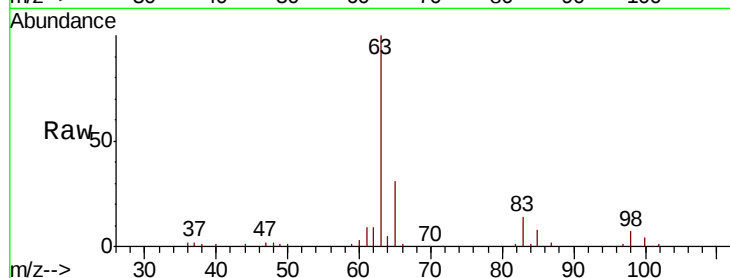
Tot Ion: 63 Resp: 86061

Ion Ratio Lower Upper

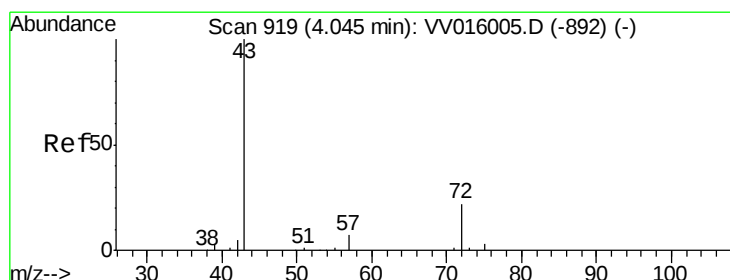
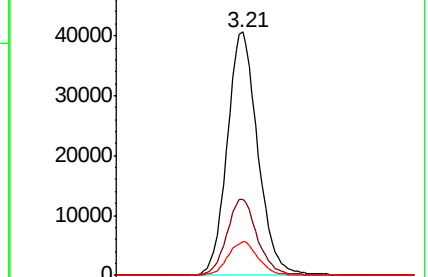
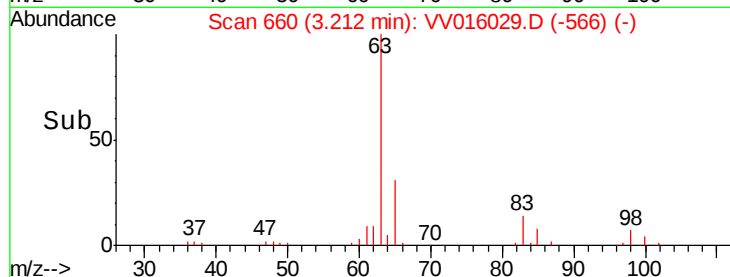
63 100

65 31.2 22.0 41.0

83 13.6 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV016029.D (-566) (-)



#21

2-Butanone

Concen: 54.225 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.04 min

Lab File: VV016029.D

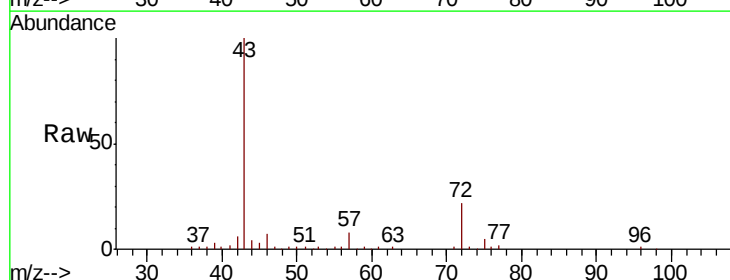
Acq: 12 May 2020 21:17

Tgt Ion: 43 Resp: 116930

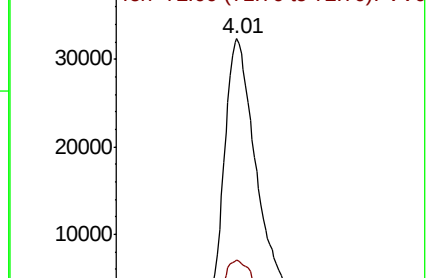
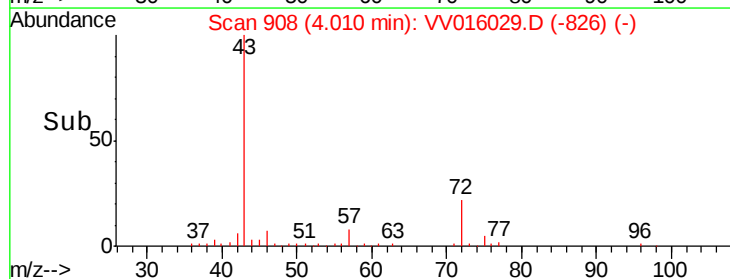
Ion Ratio Lower Upper

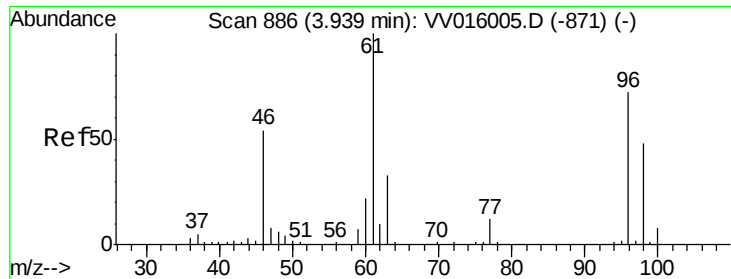
43 100

72 22.5 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV016029.D (-826) (-)

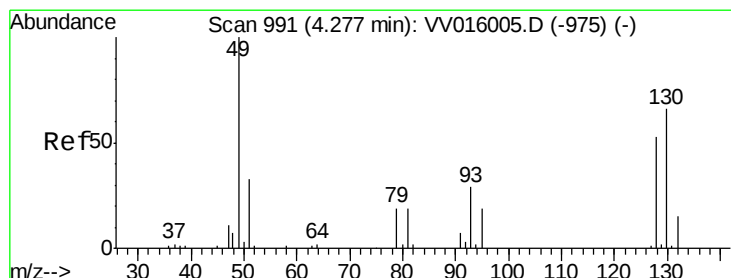
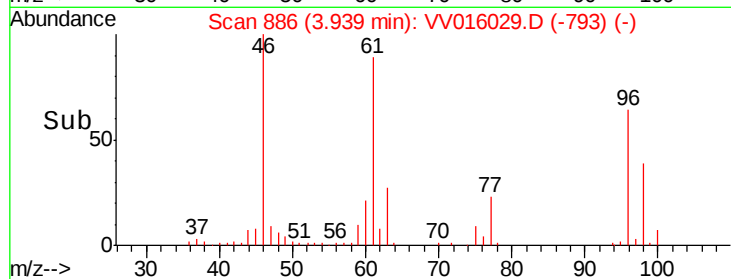
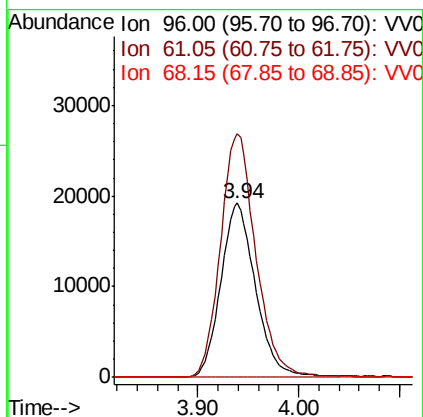
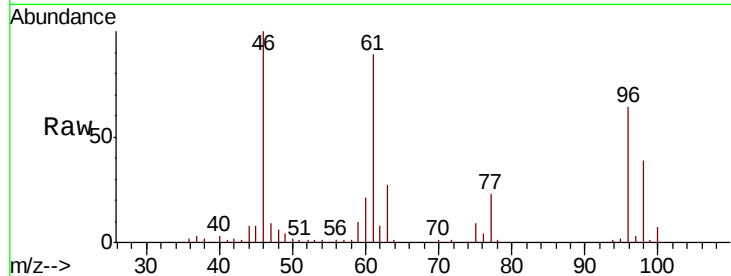




#22
 cis-1,2-Dichloroethene
 Concen: 5.225 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

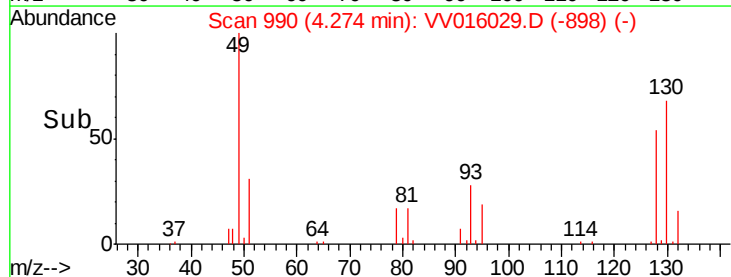
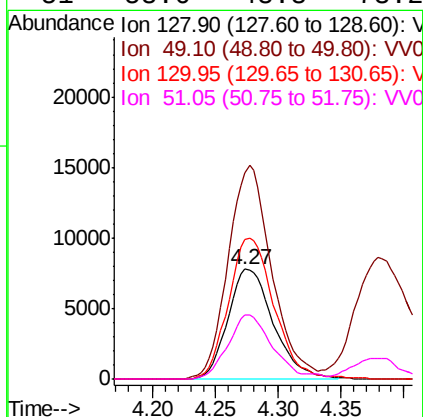
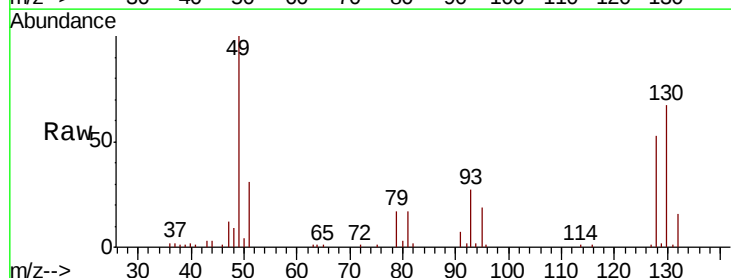
Instrument :
 MSVOA_V
 ClientSampleId :

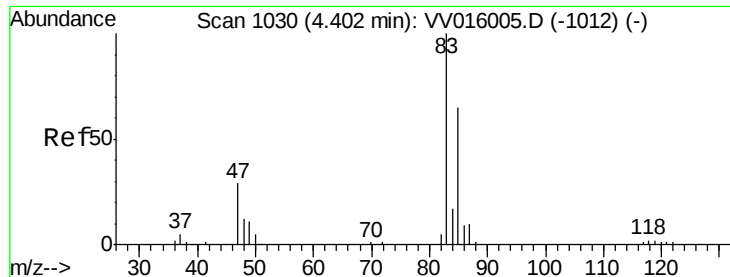
Tot Ion: 96 Resp: 46137
 Ion Ratio Lower Upper
 96 100
 61 139.9 97.2 180.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.209 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

Tgt Ion: 128 Resp: 19635
 Ion Ratio Lower Upper
 128 100
 49 188.1 131.3 243.8
 130 126.5 91.8 170.4
 51 58.6 48.8 73.2

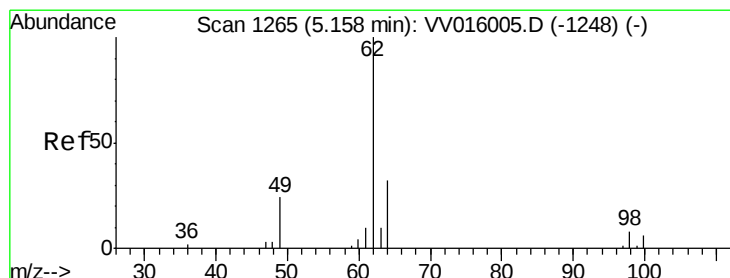
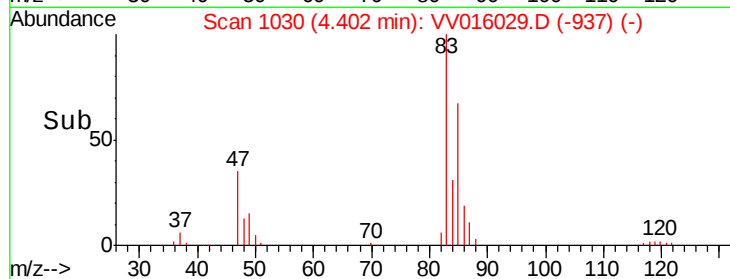
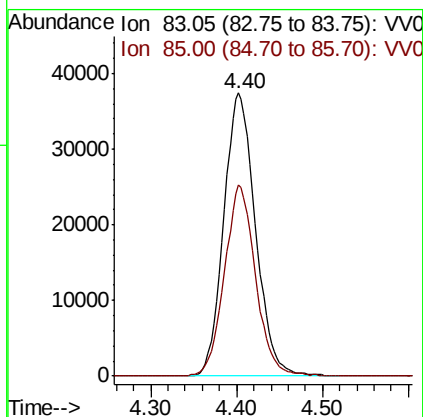
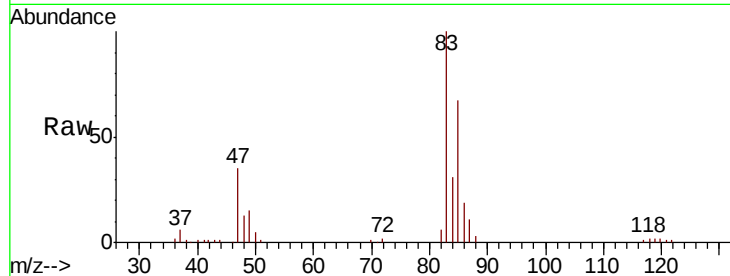




#25
Chloroform
Concen: 5.349 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

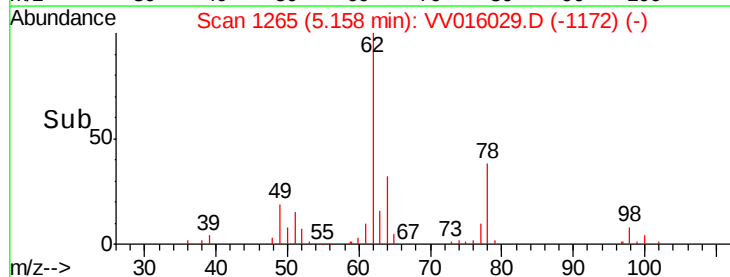
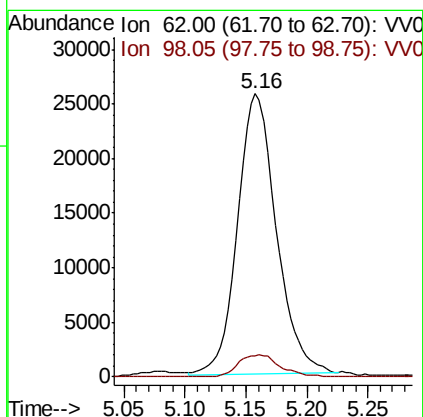
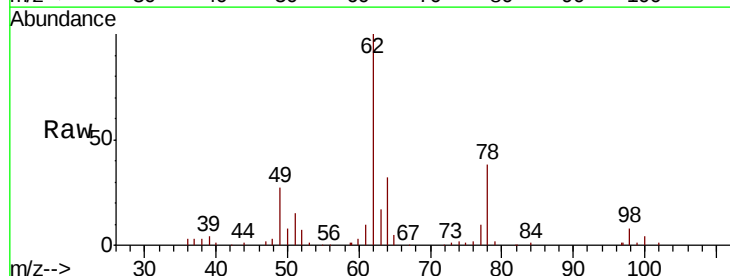
Instrument :
MSVOA_V
ClientSampleId :

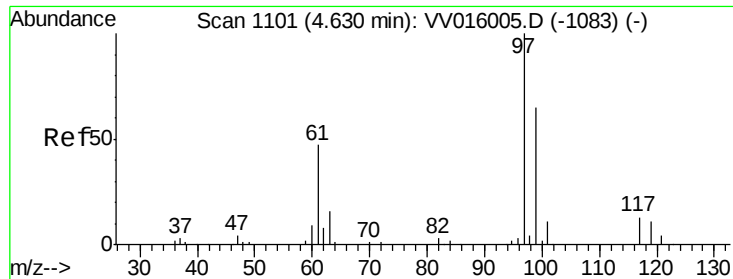
Tot Ion: 83 Resp: 95718
Ion Ratio Lower Upper
83 100
85 67.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.160 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Tgt Ion: 62 Resp: 56729
Ion Ratio Lower Upper
62 100
98 7.6 6.7 10.1

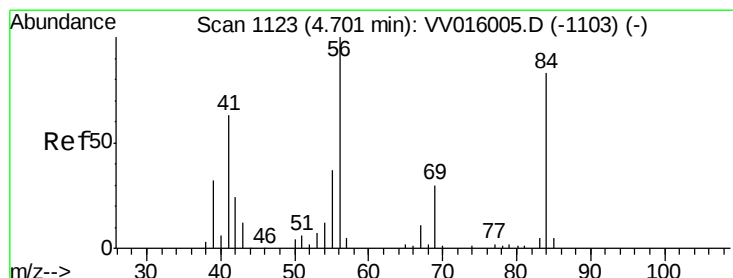
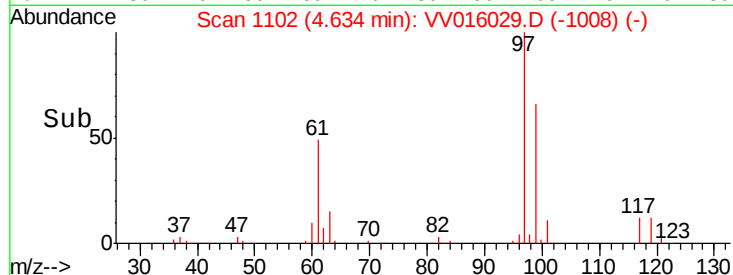
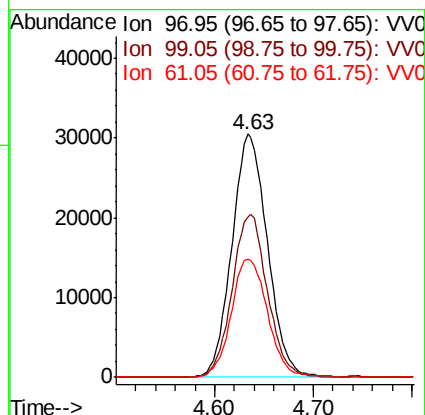
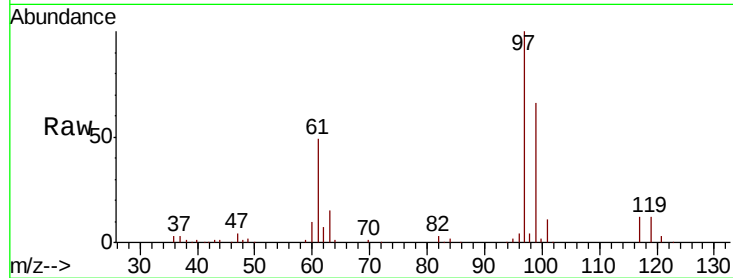




#29
1,1,1-Trichloroethane
Concen: 5.057 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

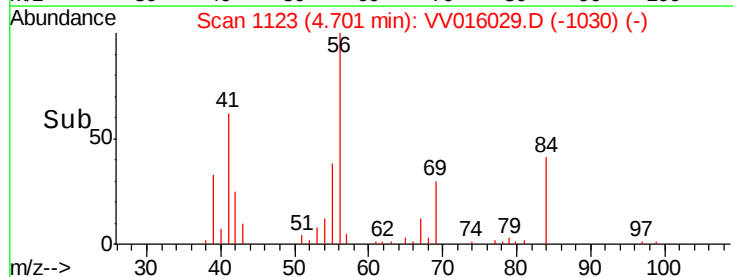
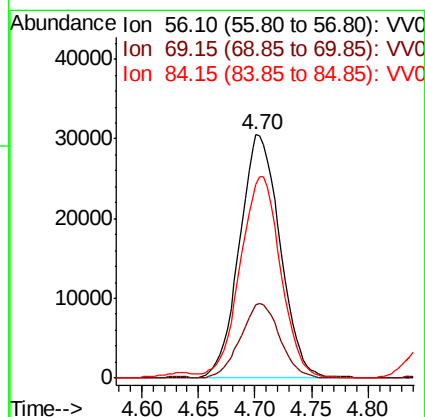
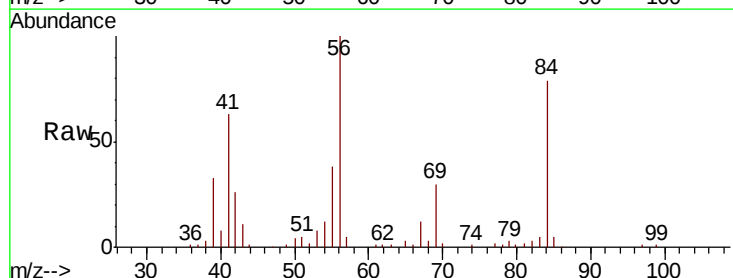
Instrument :
MSVOA_V
ClientSampled :

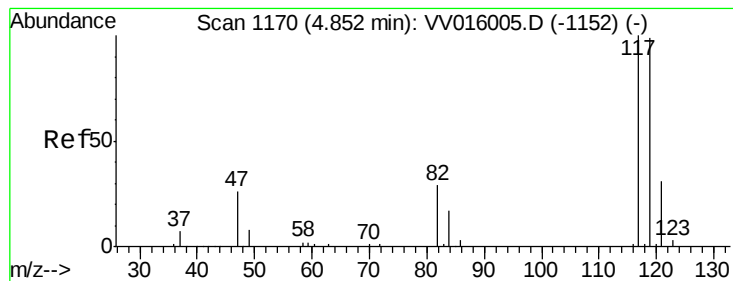
Tot Ion: 97 Resp: 76503
Ion Ratio Lower Upper
97 100
99 66.3 50.7 76.1
61 49.6 38.8 58.2



#30
Cyclohexane
Concen: 5.030 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Tgt Ion: 56 Resp: 76245
Ion Ratio Lower Upper
56 100
69 29.7 24.2 36.2
84 82.7 68.3 102.5





#31

Carbon tetrachloride

Concen: 5.052 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Instrument :

MSVOA_V

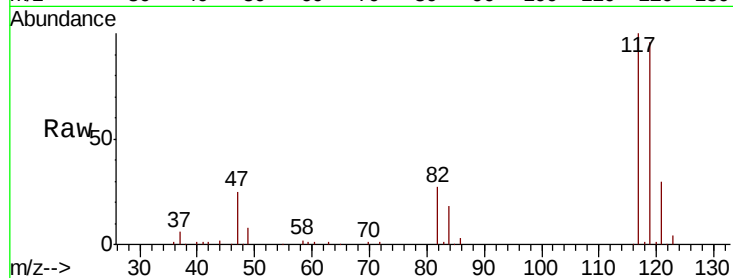
ClientSampleId :

Tot Ion:117 Resp: 65950

Ion Ratio Lower Upper

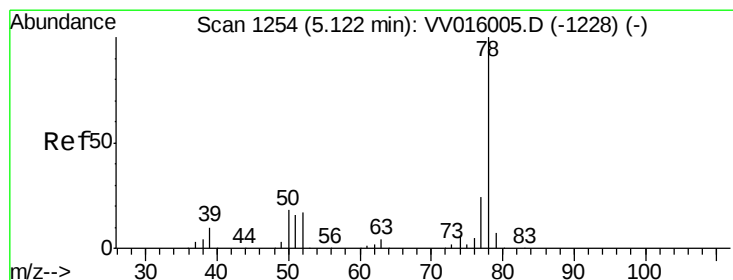
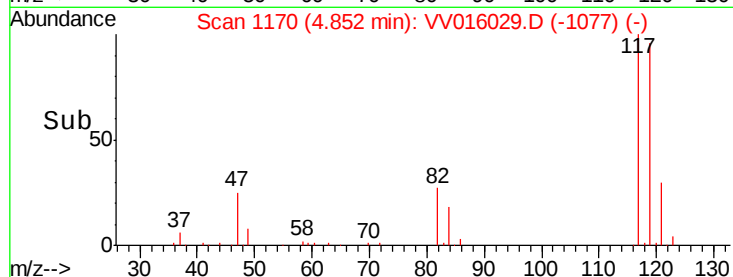
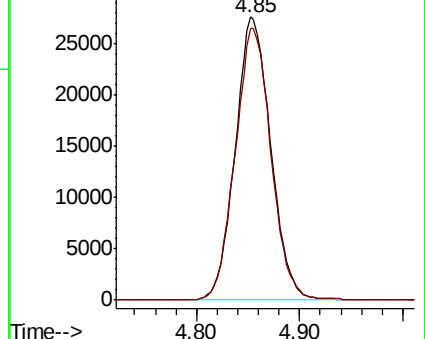
117 100

119 96.8 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.360 ug/L

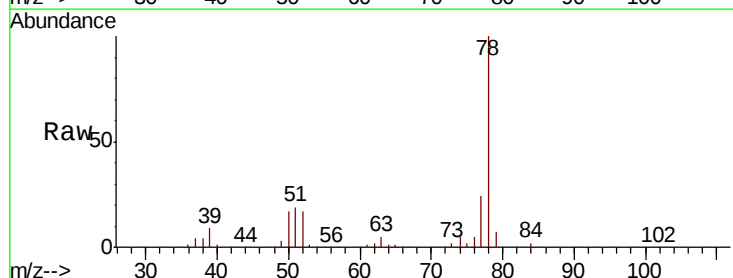
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

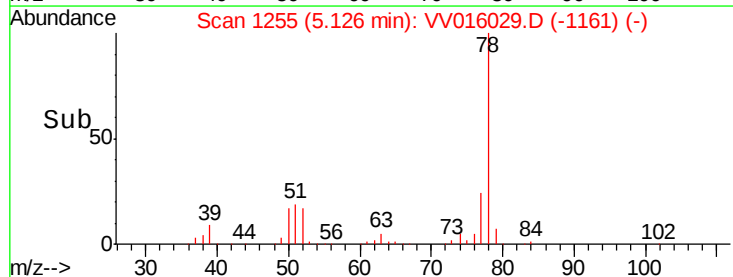
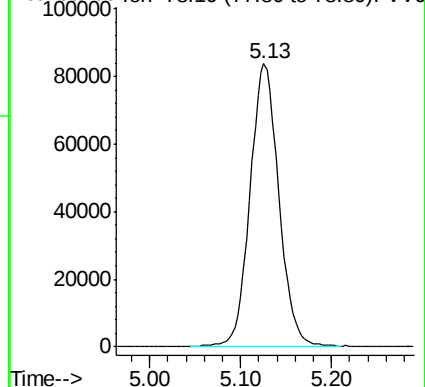
Lab File: VV016029.D

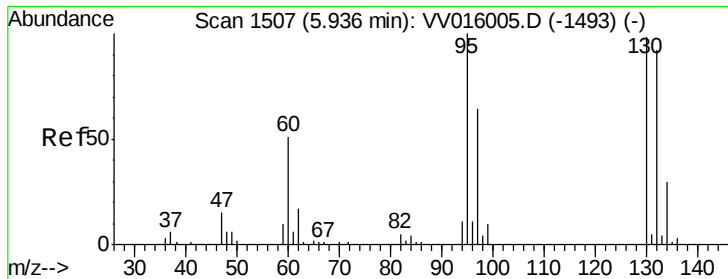
Acq: 12 May 2020 21:17

Tgt Ion: 78 Resp: 184985



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.924 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 48506

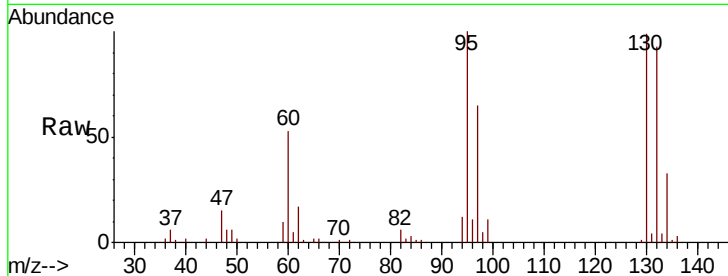
Ion Ratio Lower Upper

95 100

97 64.6 43.3 80.5

132 92.7 60.3 112.1

130 98.8 66.0 122.6

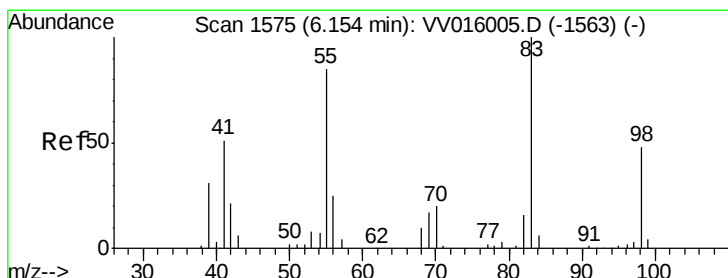
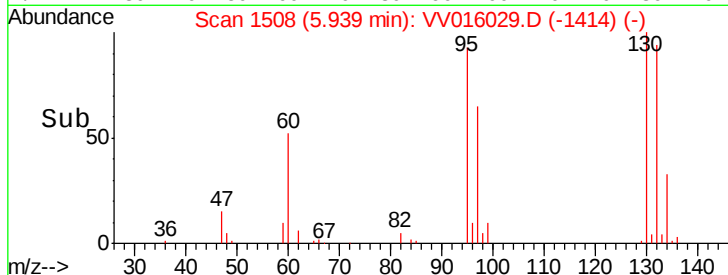
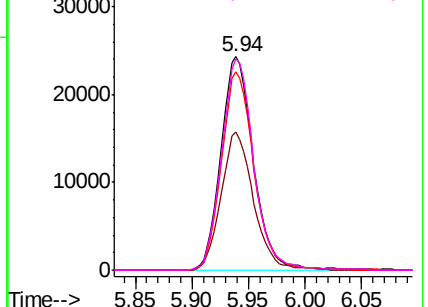


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.996 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

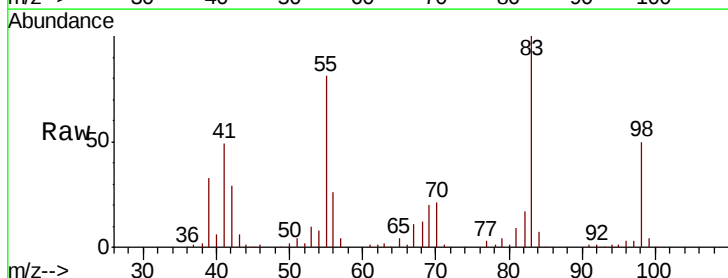
Tgt Ion: 83 Resp: 74450

Ion Ratio Lower Upper

83 100

55 84.3 66.2 99.2

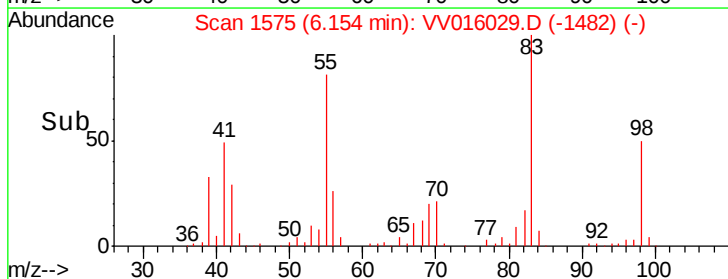
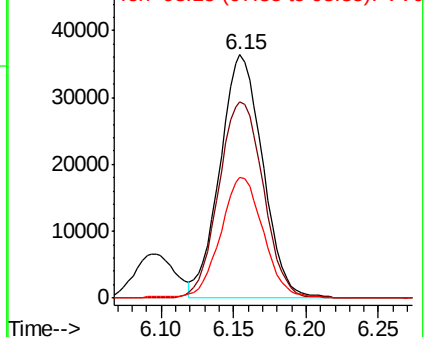
98 49.7 37.9 56.9

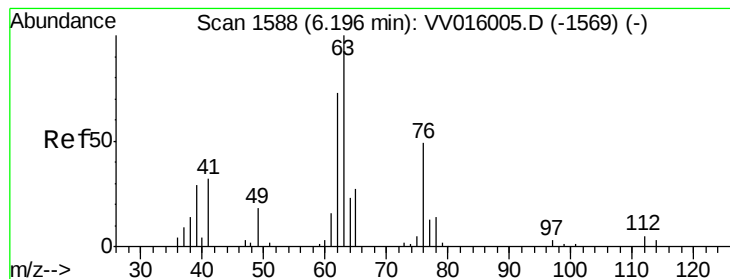


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.264 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Instrument :

MSVOA_V

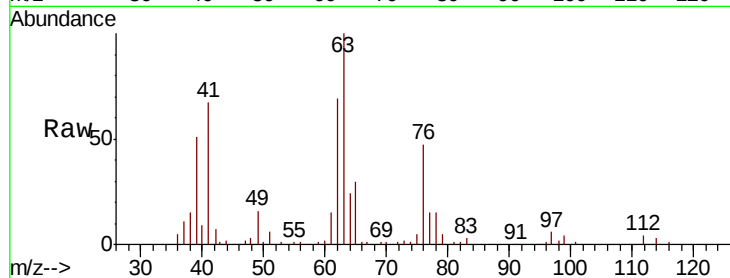
ClientSampled :

Tot Ion: 63 Resp: 46155

Ion Ratio Lower Upper

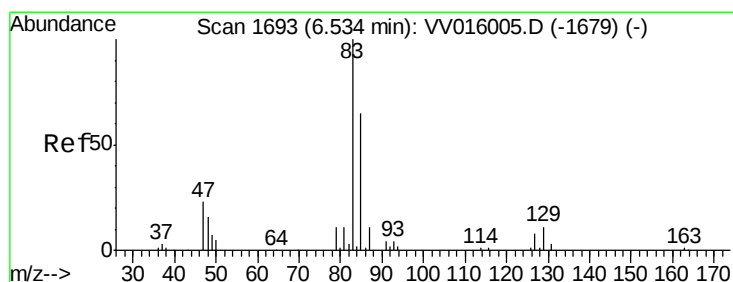
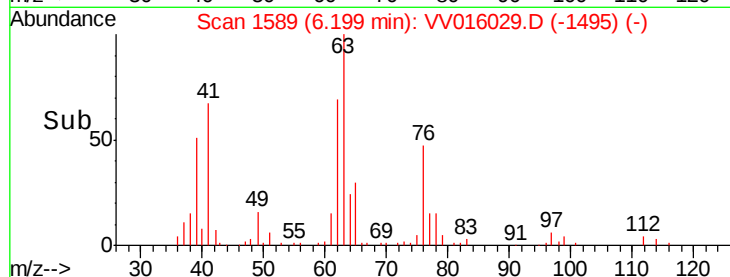
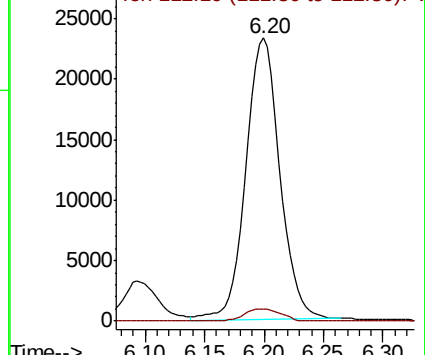
63 100

112 4.5 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.082 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

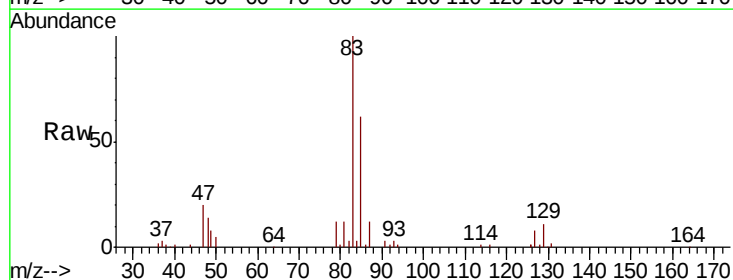
Tgt Ion: 83 Resp: 56586

Ion Ratio Lower Upper

83 100

85 62.2 45.5 84.5

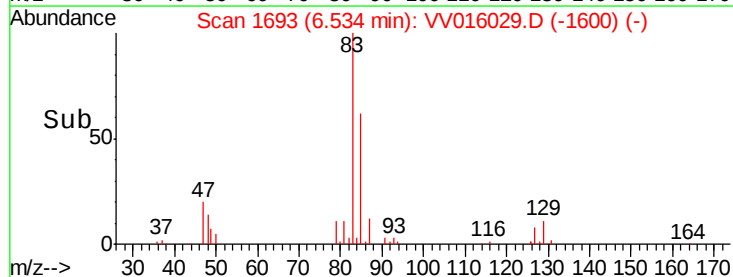
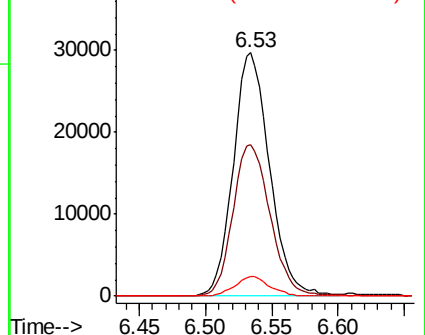
127 8.1 6.2 9.4

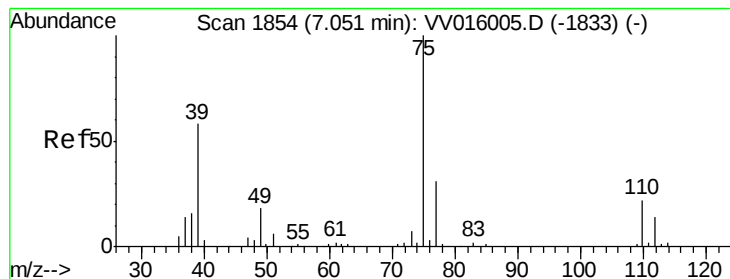


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V



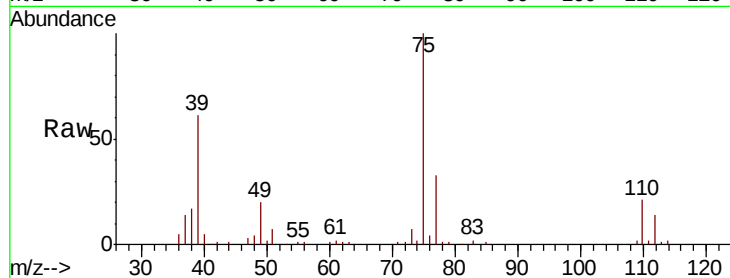


#39

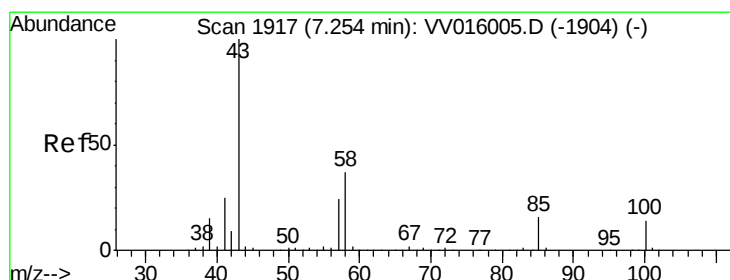
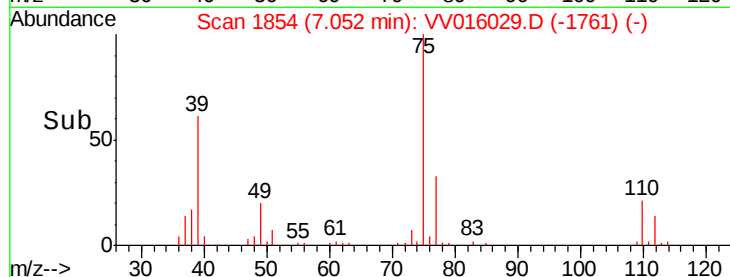
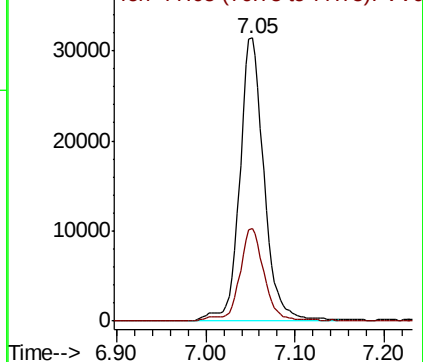
cis-1,3-Dichloropropene
Concen: 4.815 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 59667
Ion Ratio Lower Upper
75 100
77 32.9 21.3 39.5



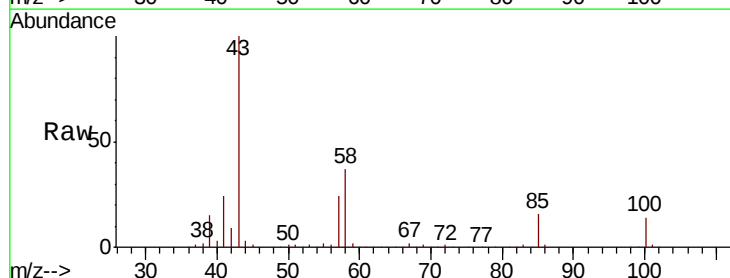
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



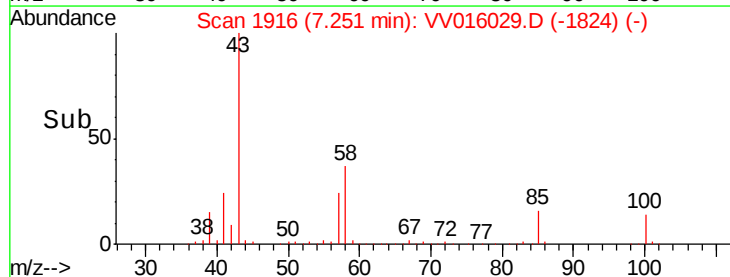
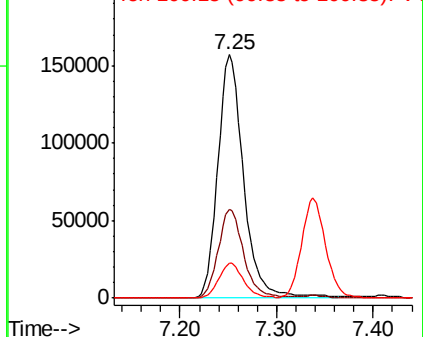
#40

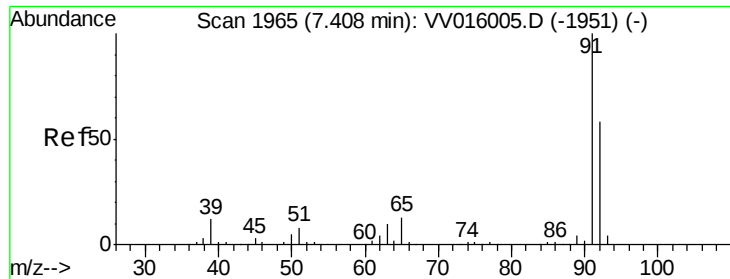
4-Methyl-2-pentanone
Concen: 53.333 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Tgt Ion: 43 Resp: 291467
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.4
100 13.6 10.9 16.3



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





#42

Toluene

Concen: 5.379 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Instrument :

MSVOA_V

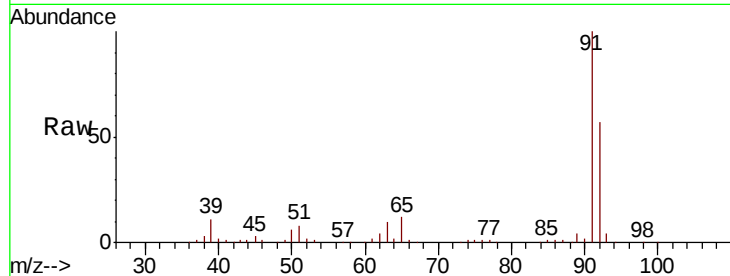
ClientSampled :

Tot Ion: 91 Resp: 196791

Ion Ratio Lower Upper

91 100

92 56.8 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016005.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016005.D (-1951) (-)

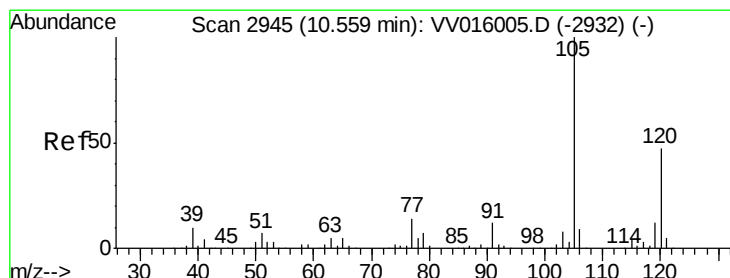
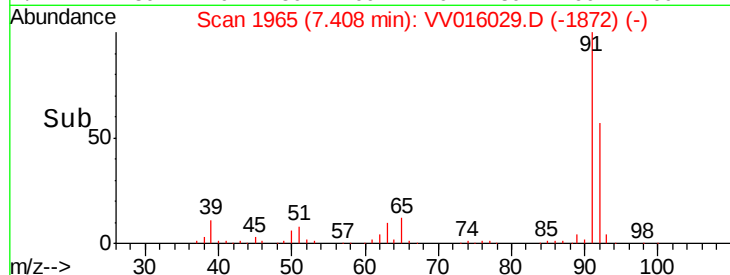
7.41

100000

50000

0

Time--> 7.30 7.40 7.50



#43

1,3,5-Trimethylbenzene

Concen: 5.266 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016029.D

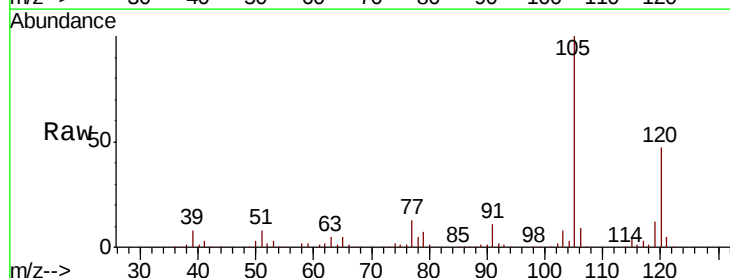
Acq: 12 May 2020 21:17

Tgt Ion:105 Resp: 176854

Ion Ratio Lower Upper

105 100

120 46.9 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016005.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016005.D (-2932) (-)

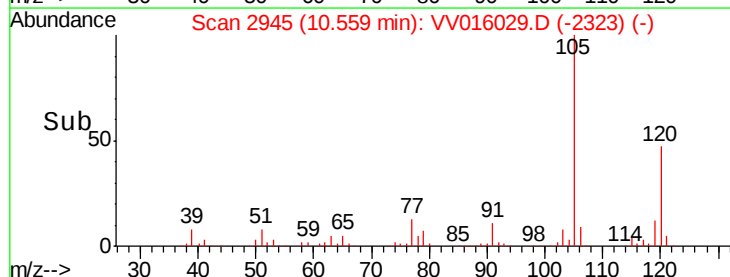
10.56

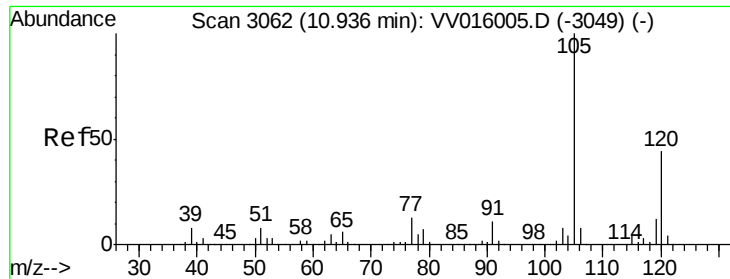
100000

50000

0

Time--> 10.50 10.55 10.60 10.65

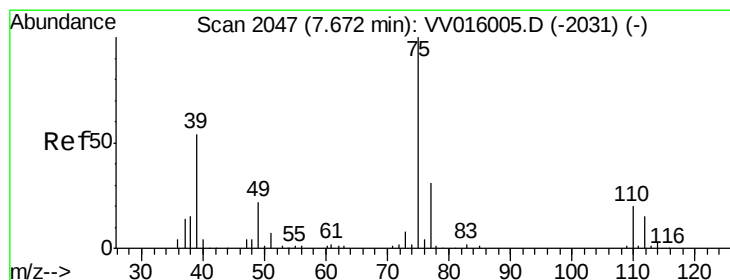
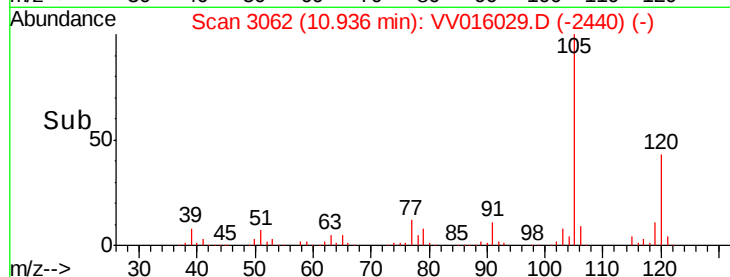
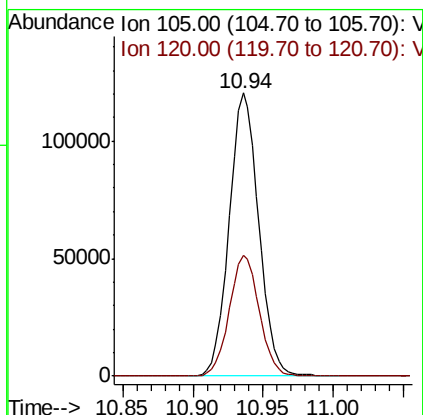
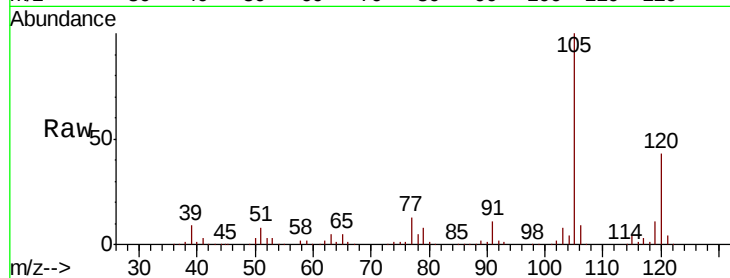




#44
1,2,4-Trimethylbenzene
Concen: 5.271 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

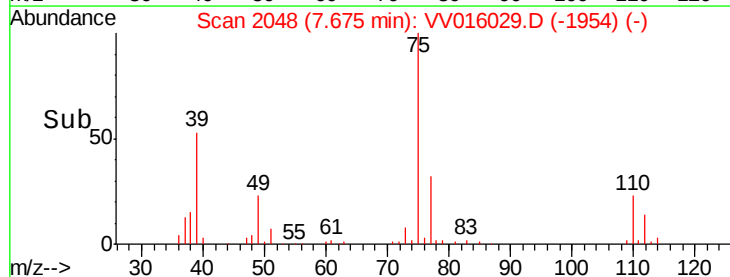
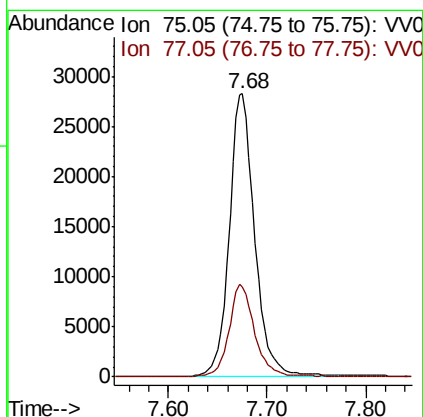
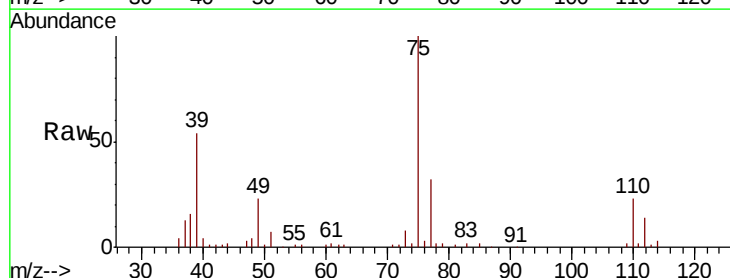
Instrument :
MSVOA_V
ClientSampled :

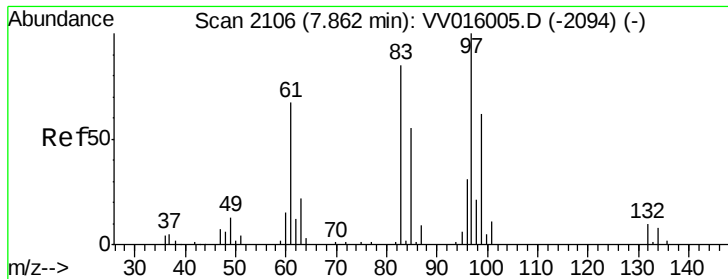
Tot Ion:105 Resp: 176893
Ion Ratio Lower Upper
105 100
120 43.2 0.0 0.0#



#46
trans-1,3-Dichloropropene
Concen: 4.878 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Tgt Ion: 75 Resp: 51069
Ion Ratio Lower Upper
75 100
77 32.0 21.3 39.6

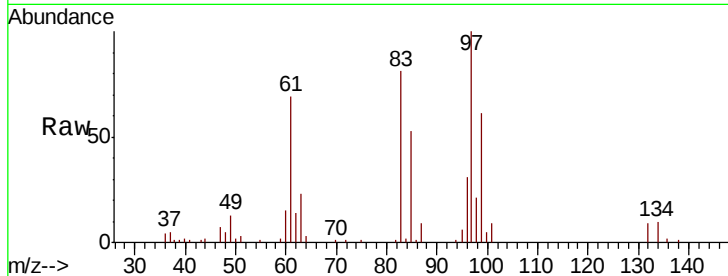




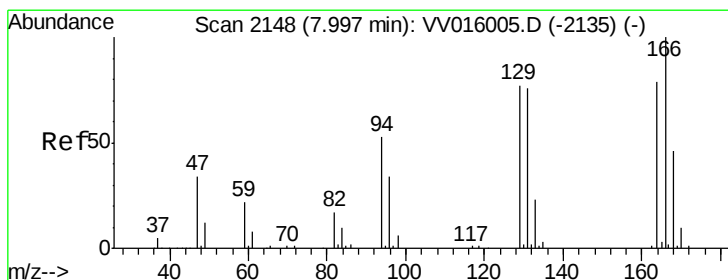
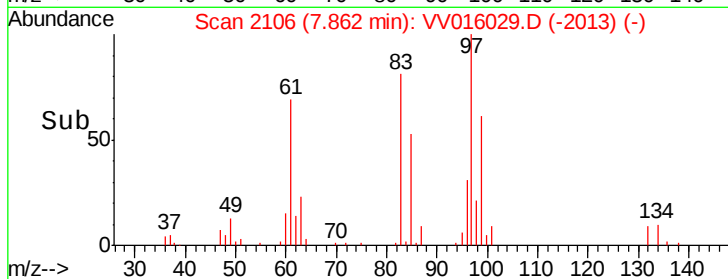
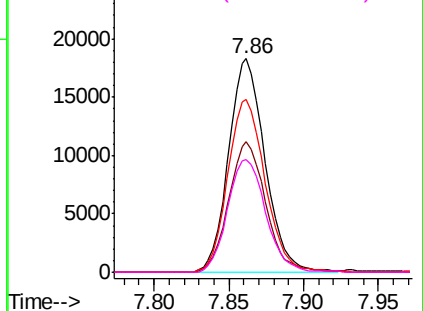
#47
 1,1,2-Trichloroethane
 Concen: 5.308 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	31083
Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.1	78.1
83	81.2	59.2	110.0
85	52.9	38.6	71.8

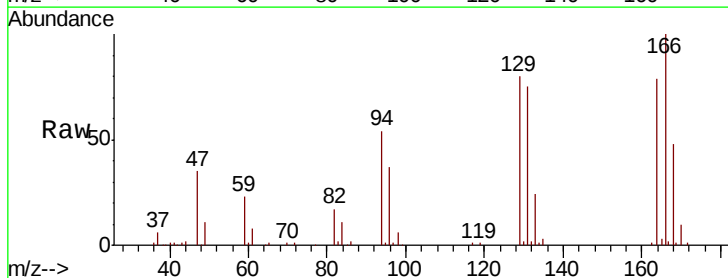


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

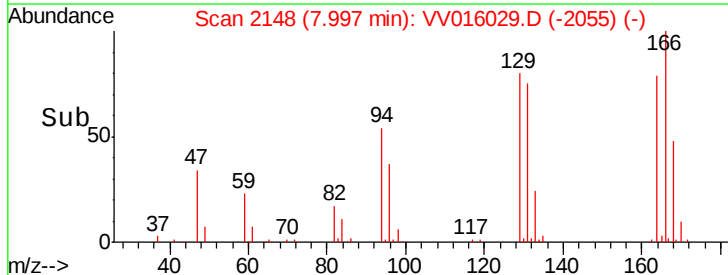
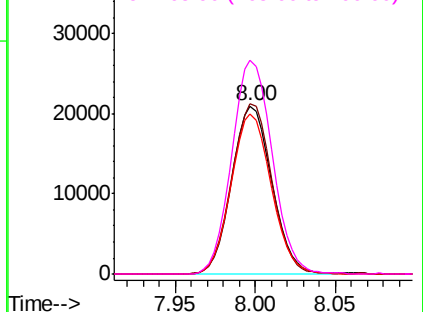


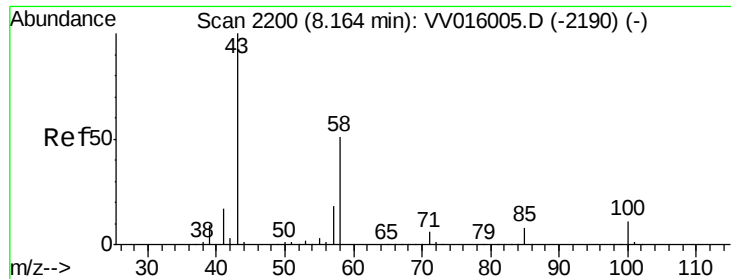
#49
 Tetrachloroethene
 Concen: 5.208 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

Tgt Ion:	164	Resp:	35795
Ion	Ratio	Lower	Upper
164	100		
129	101.3	69.7	129.4
131	95.4	66.8	124.2
166	127.3	89.1	165.5



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

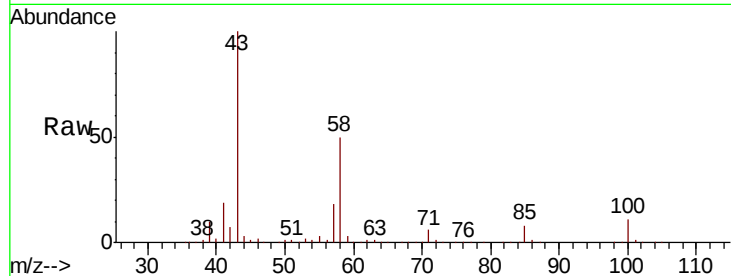




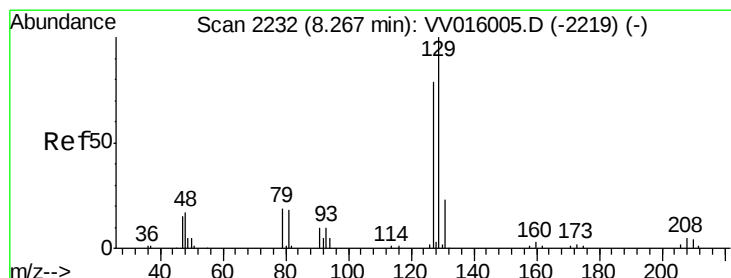
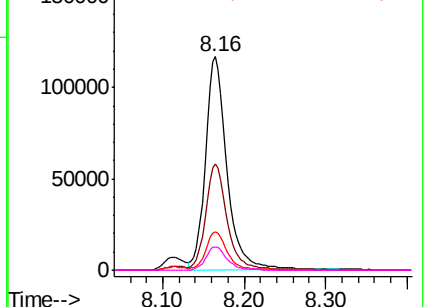
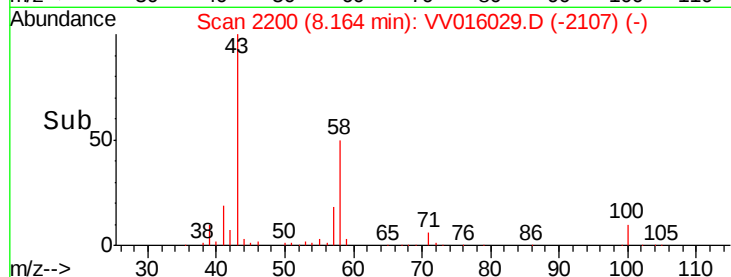
#50
2-Hexanone
Concen: 55.637 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 215022
Ion Ratio Lower Upper
43 100
58 49.3 40.8 61.2
57 18.0 14.7 22.1
100 11.0 9.0 13.6

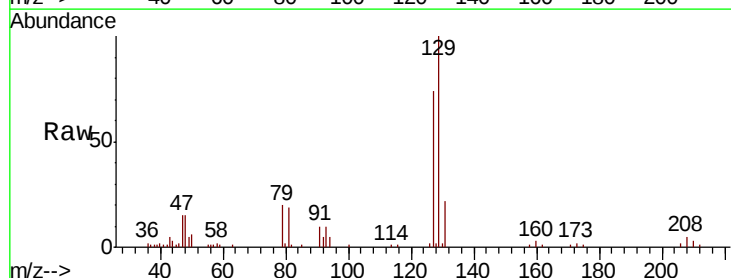


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

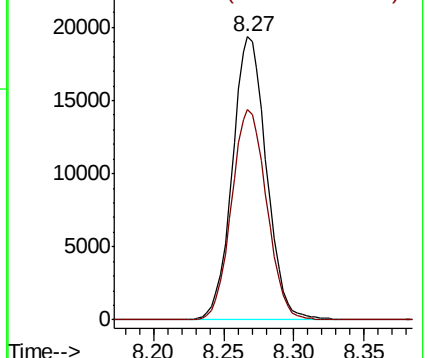
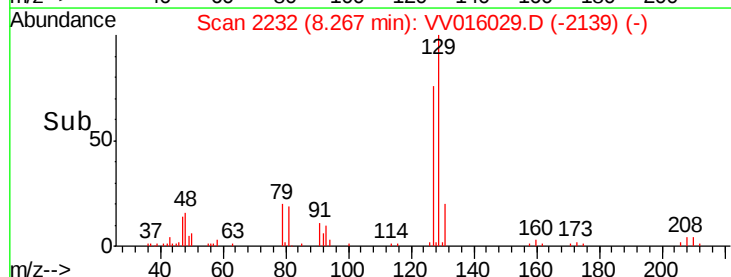


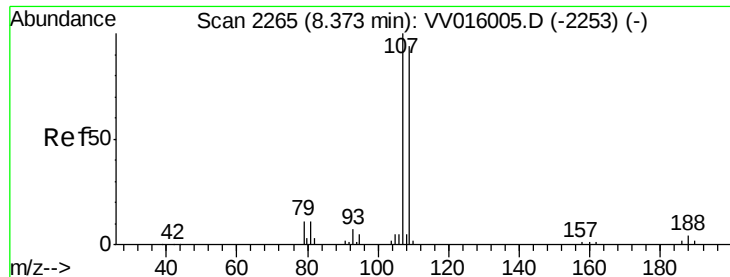
#51
Dibromochloromethane
Concen: 4.977 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Tgt Ion: 129 Resp: 32747
Ion Ratio Lower Upper
129 100
127 74.3 56.0 104.0



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

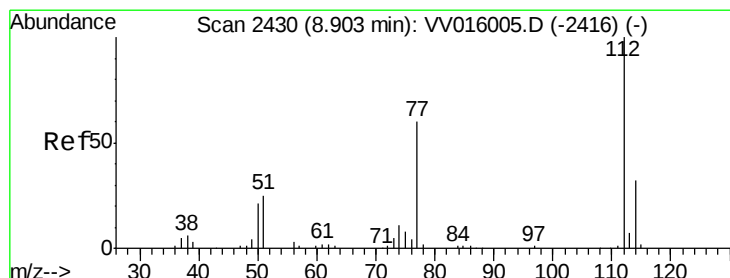
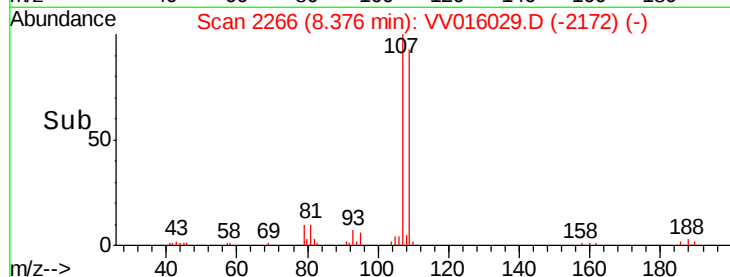
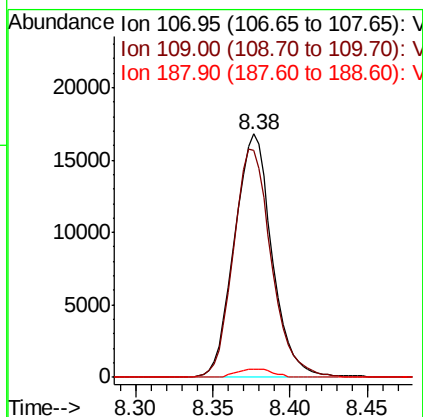
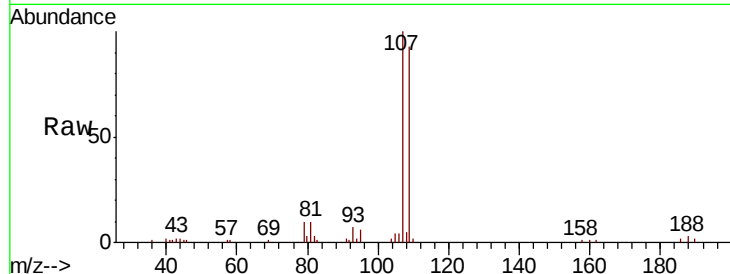




#52
 1,2-Dibromoethane
 Concen: 5.230 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

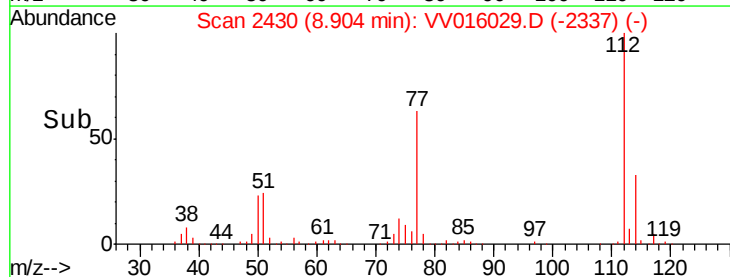
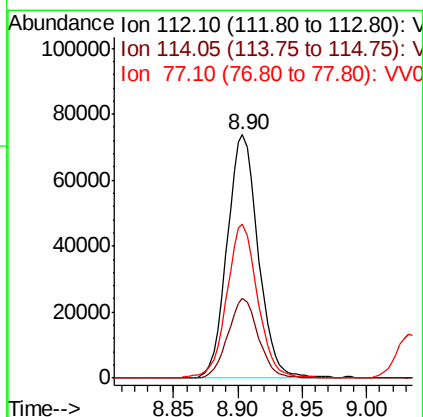
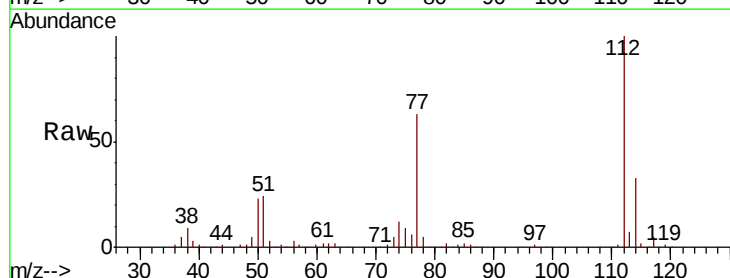
Instrument :
 MSVOA_V
 ClientSampled :

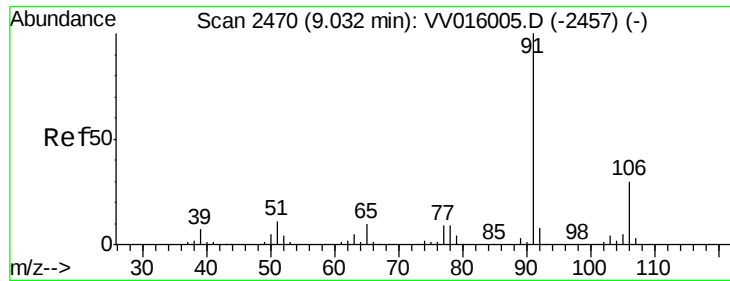
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	68.9	127.9
188	3.4	2.7	4.1



#53
 Chlorobenzene
 Concen: 5.238 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	21.6	40.0
77	63.2	48.6	73.0





#54

Ethylbenzene

Concen: 5.237 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

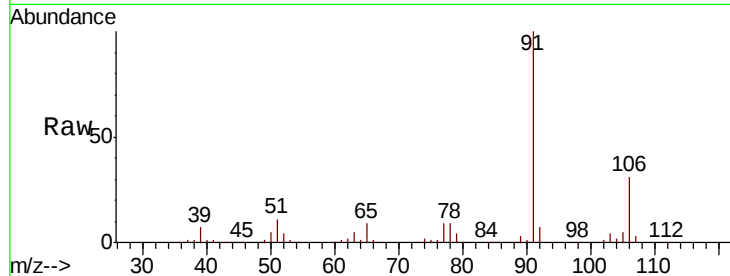
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 217837

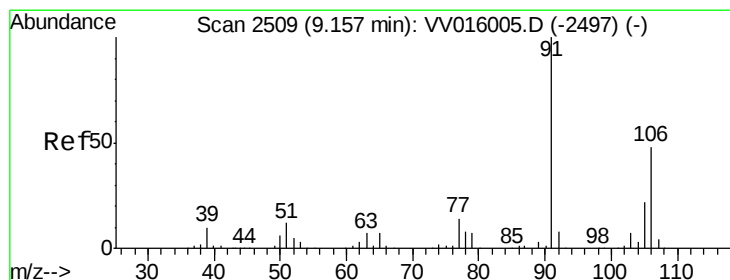
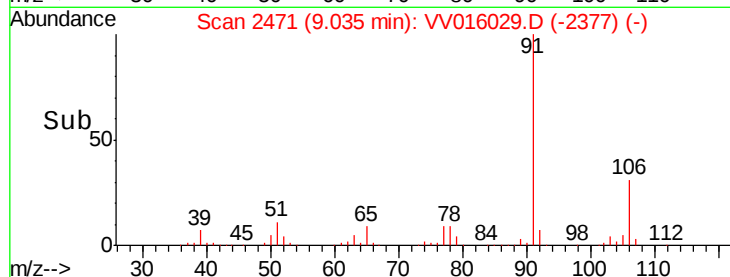
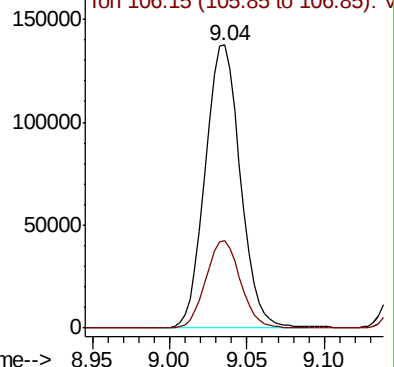
Ion Ratio Lower Upper

91 100

106 30.7 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV016029.D (-2377) (-)



#55

m,p-xylene

Concen: 5.305 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016029.D

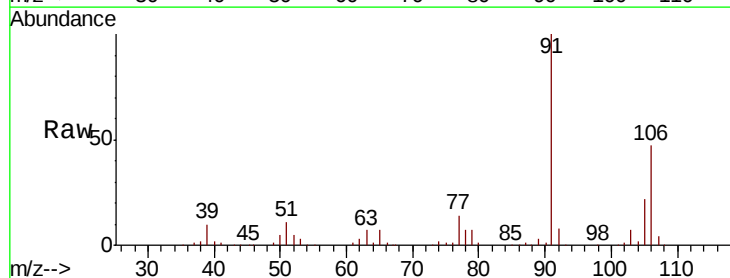
Acq: 12 May 2020 21:17

Tgt Ion: 106 Resp: 81710

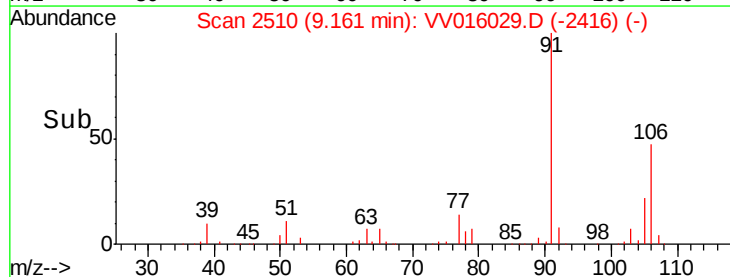
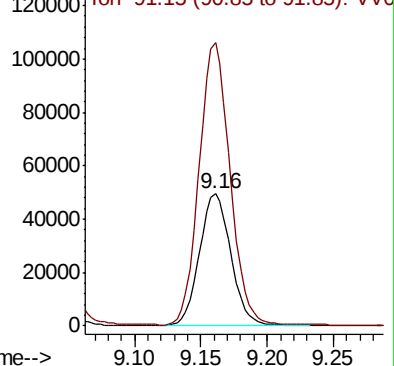
Ion Ratio Lower Upper

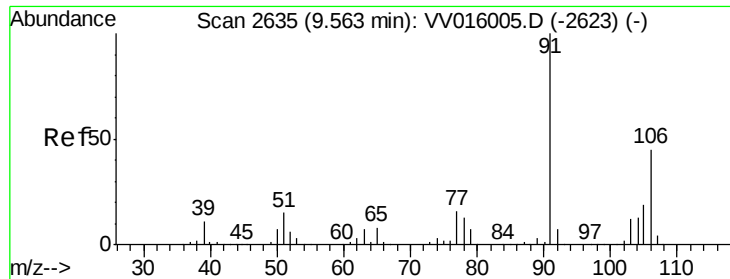
106 100

91 214.1 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV016029.D (-2416) (-)





#56

o-xylene

Concen: 5.356 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

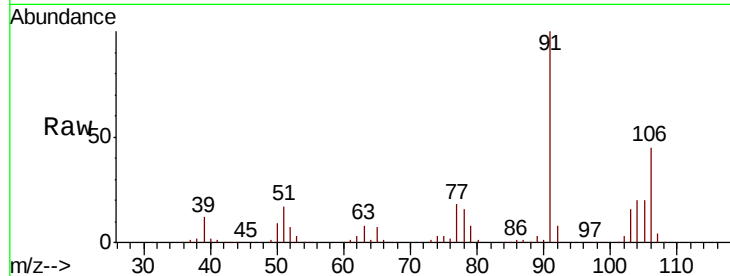
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 78863

Ion Ratio Lower Upper

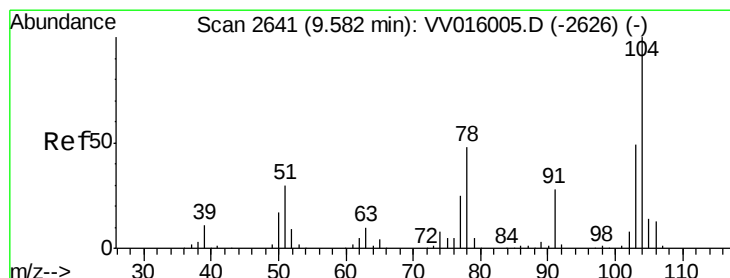
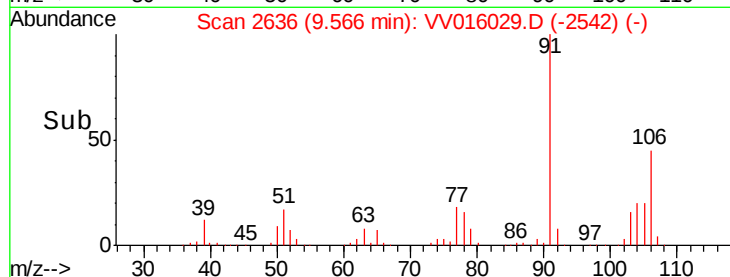
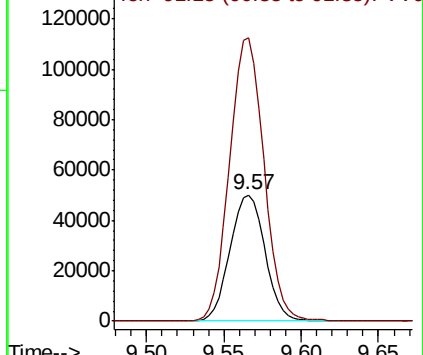
106 100

91 223.8 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 5.354 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016029.D

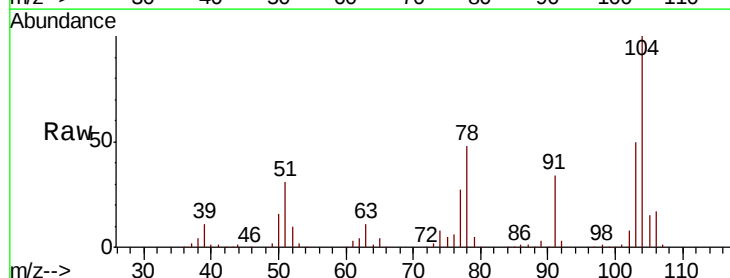
Acq: 12 May 2020 21:17

Tgt Ion:104 Resp: 131877

Ion Ratio Lower Upper

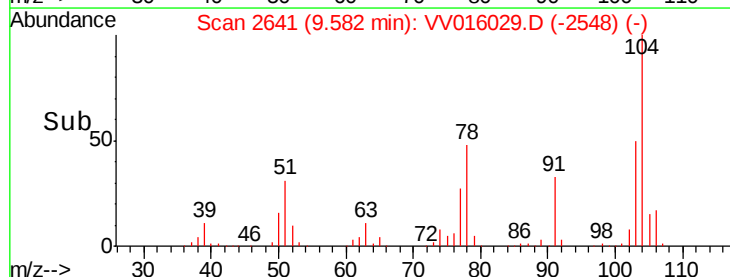
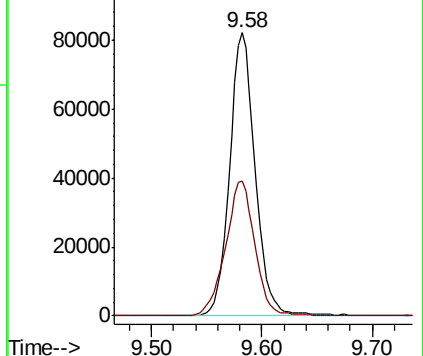
104 100

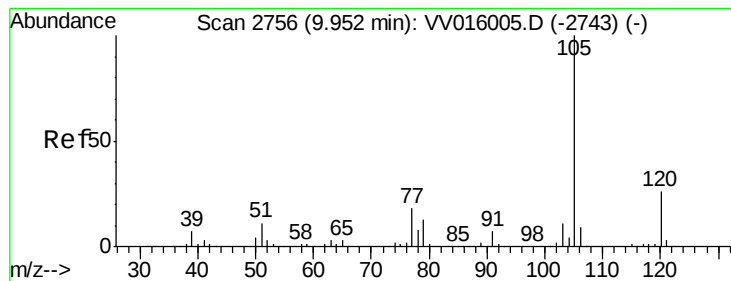
78 47.6 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.296 ug/L

RT: 9.95 min Scan# 2756

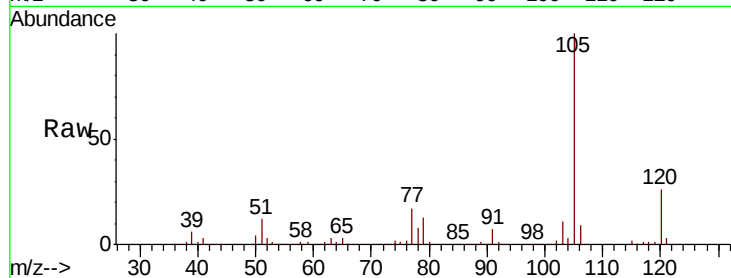
Delta R.T. 0.00 min

Lab File: VV016029.D

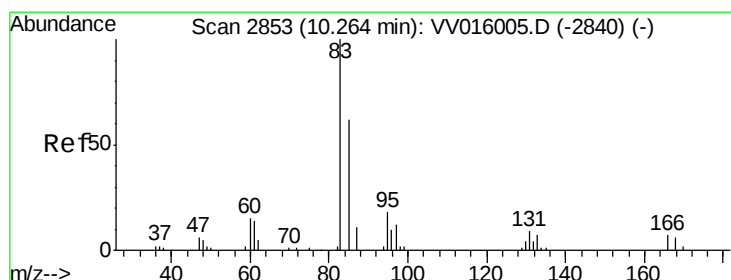
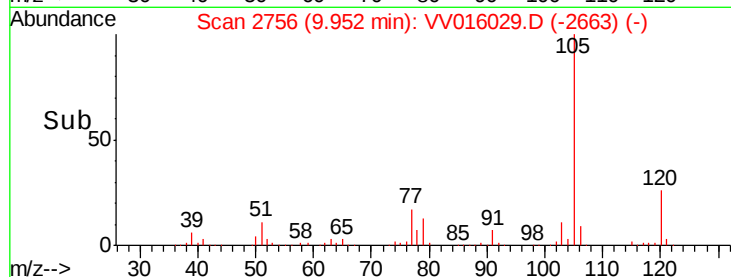
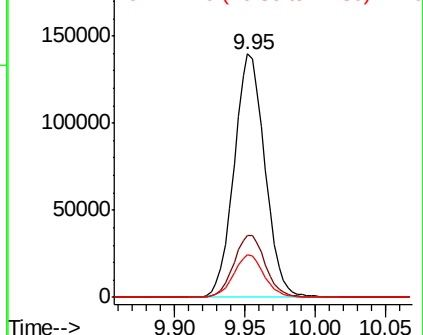
Acq: 12 May 2020 21:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	214237
Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.8	31.2
77	17.3	14.1	21.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.403 ug/L

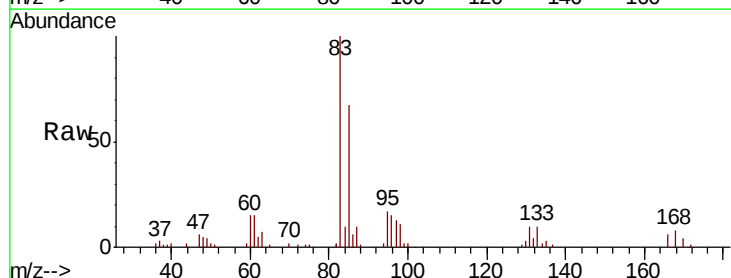
RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

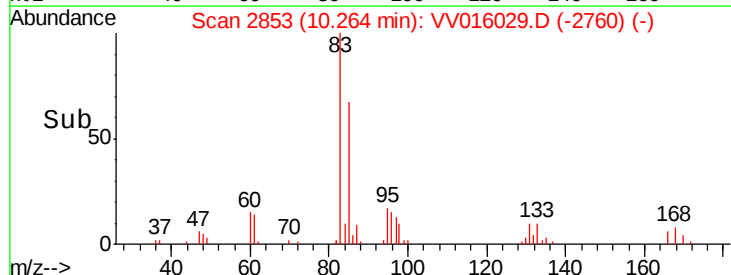
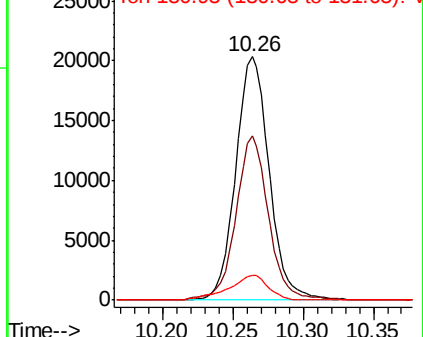
Lab File: VV016029.D

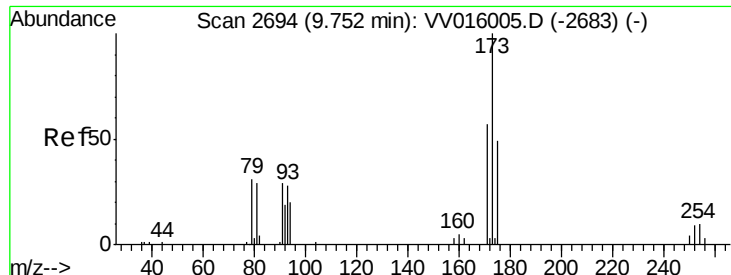
Acq: 12 May 2020 21:17

Tgt Ion:	83	Resp:	33807
Ion	Ratio	Lower	Upper
83	100		
85	67.3	44.0	81.6
131	10.2	7.7	11.5



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.311 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Instrument :
MSVOA_V
ClientSampled :

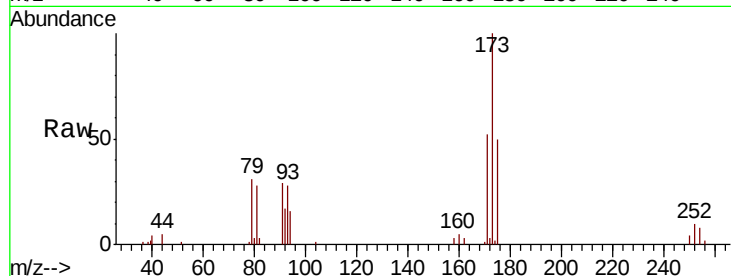
Tot Ion:173 Resp: 14274

Ion Ratio Lower Upper

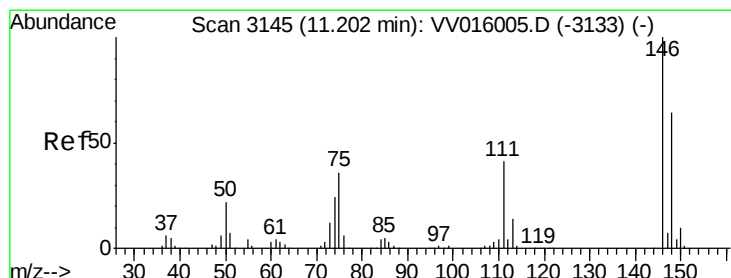
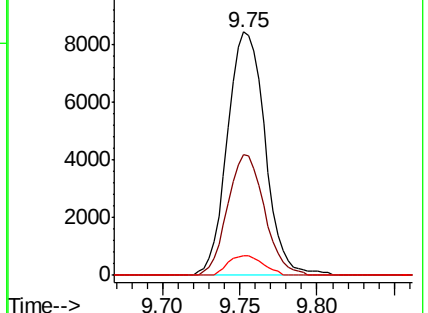
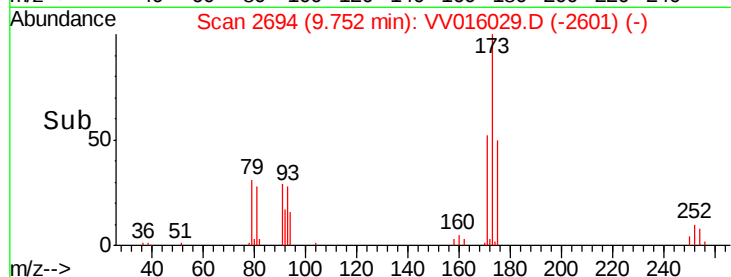
173 100

175 48.4 39.8 59.8

254 7.4 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.118 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

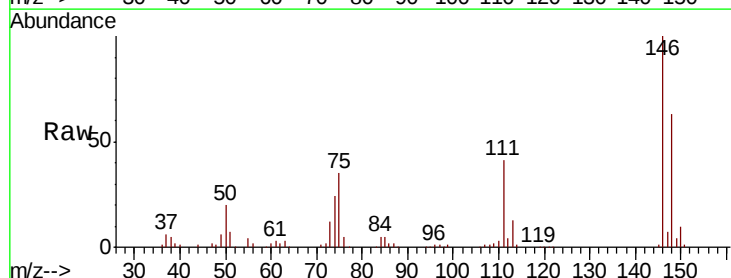
Tgt Ion:146 Resp: 99368

Ion Ratio Lower Upper

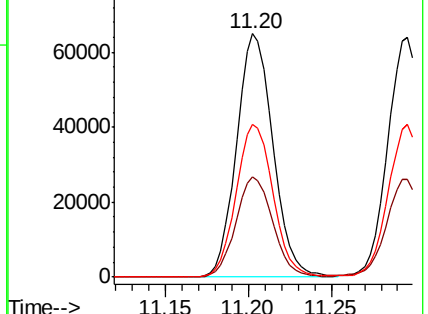
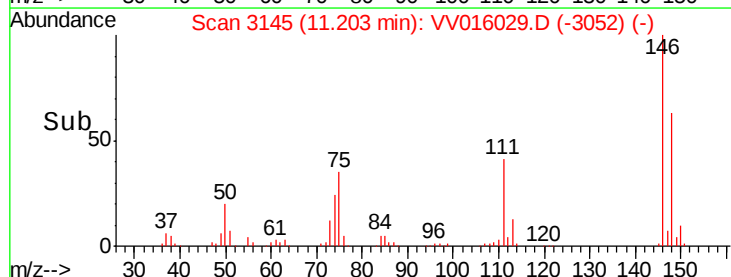
146 100

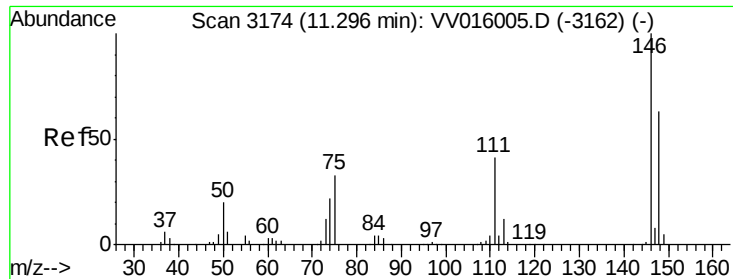
111 41.0 28.7 53.3

148 62.6 44.0 81.8



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





#64

1,4-Dichlorobenzene

Concen: 5.057 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016029.D

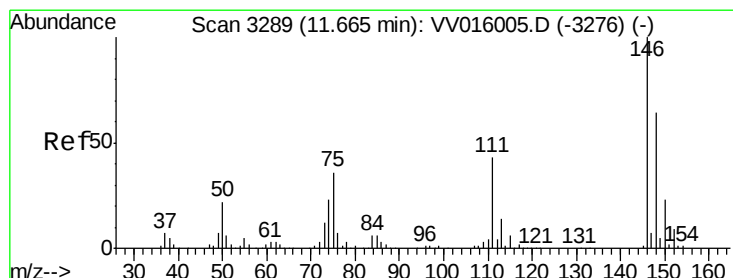
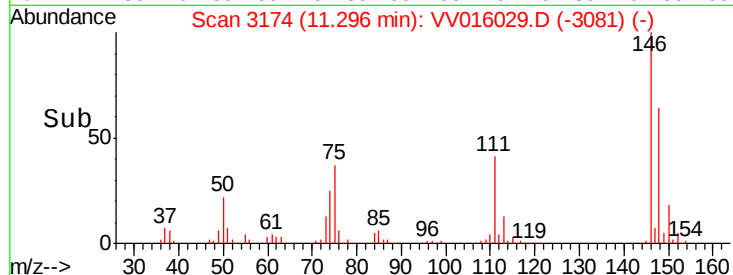
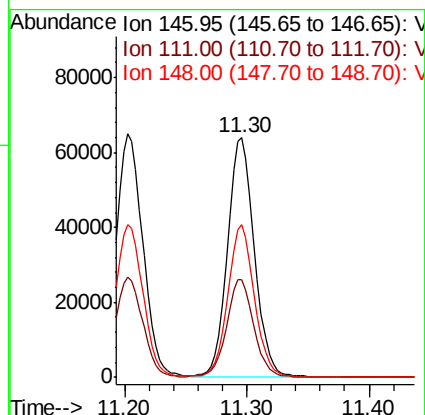
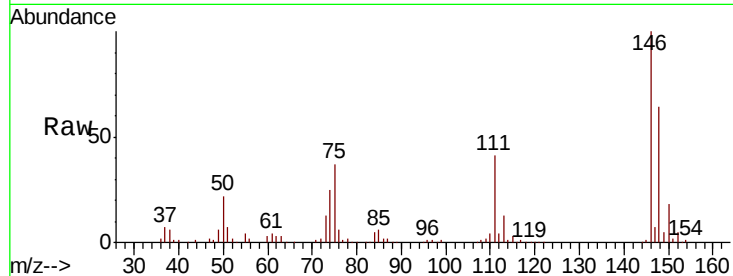
Acq: 12 May 2020 21:17

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	98651
Ion Ratio	Lower	Upper
146	100	
111	40.7	28.9 53.7
148	63.8	44.6 82.8



#66

1,2-Dichlorobenzene

Concen: 5.092 ug/L

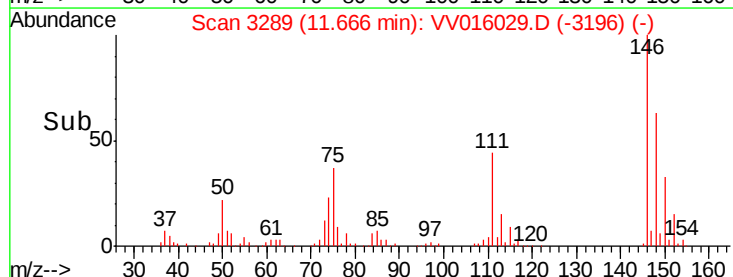
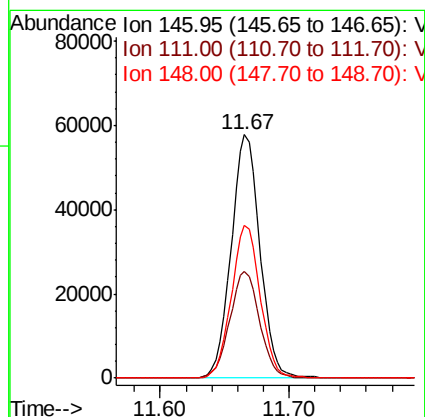
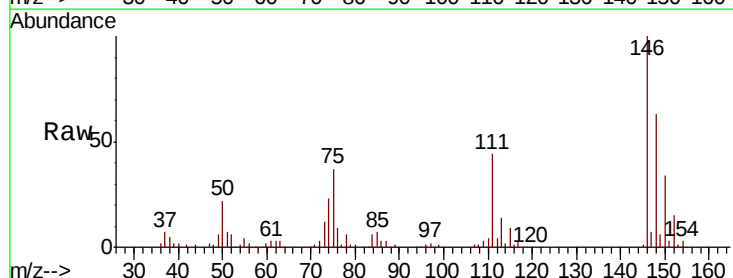
RT: 11.67 min Scan# 3289

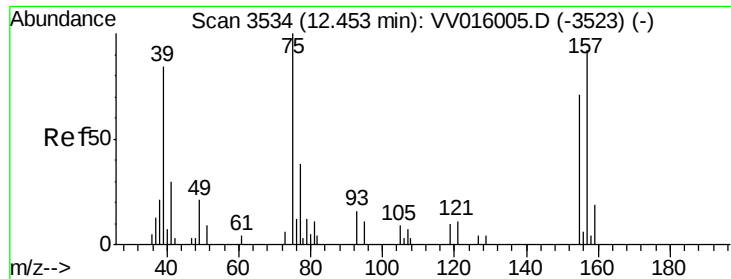
Delta R.T. 0.00 min

Lab File: VV016029.D

Acq: 12 May 2020 21:17

Tgt Ion:146	Resp:	89481
Ion Ratio	Lower	Upper
146	100	
111	44.0	37.0 55.4
148	62.9	49.8 74.6

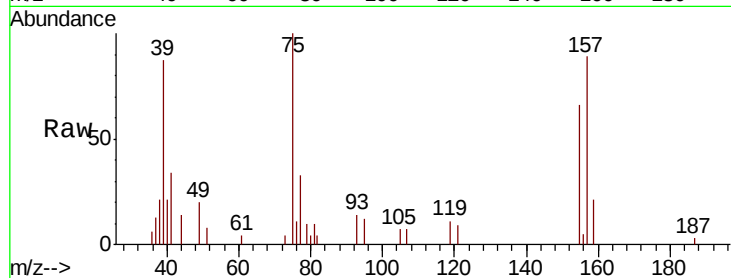




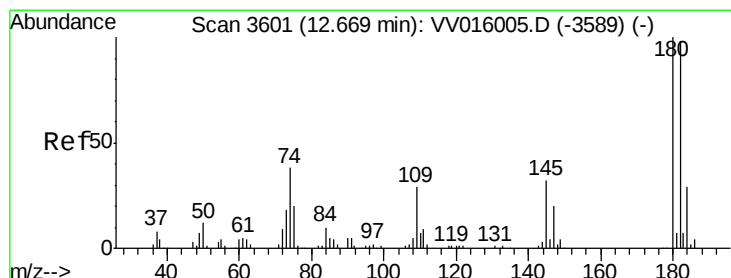
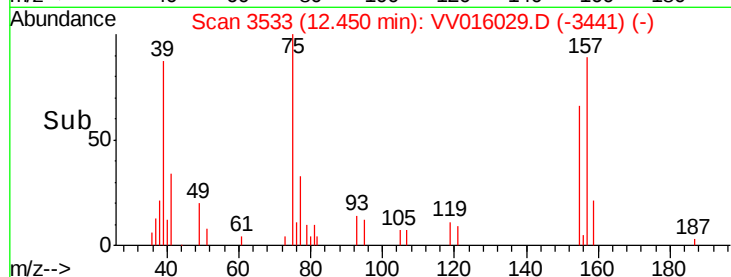
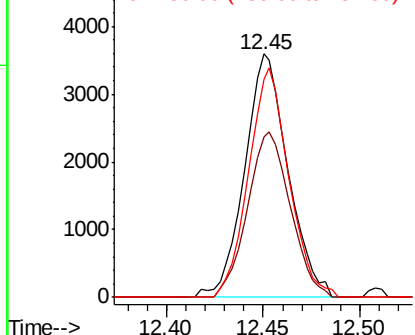
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.882 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 5599
 Ion Ratio Lower Upper
 75 100
 155 66.1 58.2 87.4
 157 89.3 79.4 119.2

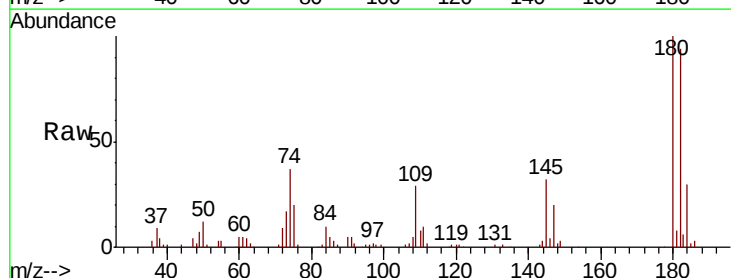


Abundance Ion 75.05 (74.75 to 75.75): VV016029.D (-3441) (-)
 Ion 154.95 (154.65 to 155.65): VV016029.D (-3441) (-)
 Ion 156.90 (156.60 to 157.60): VV016029.D (-3441) (-)

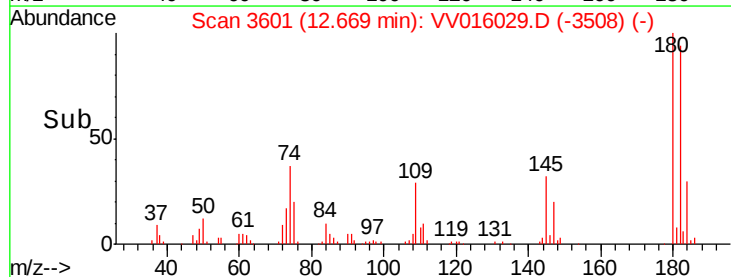
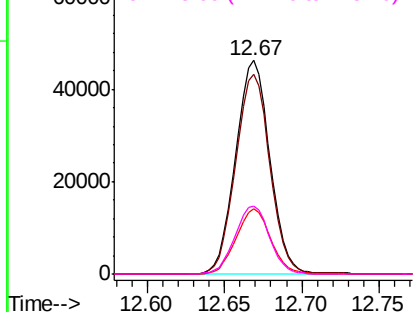


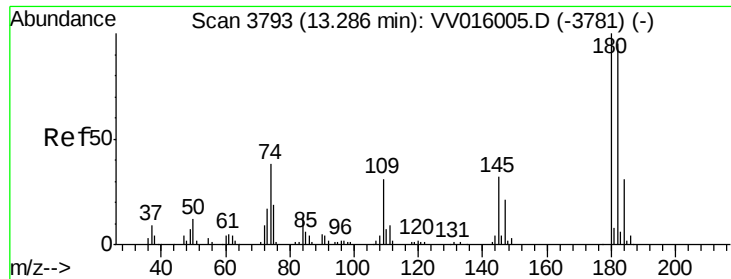
#68
 1,3,5-Trichlorobenzene
 Concen: 5.003 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

Tgt Ion: 180 Resp: 71031
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.8 113.6
 184 30.6 24.6 36.8
 145 32.1 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): VV016029.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016029.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016029.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016029.D (-3508) (-)

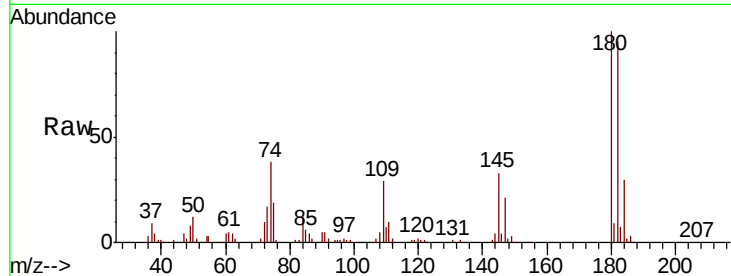




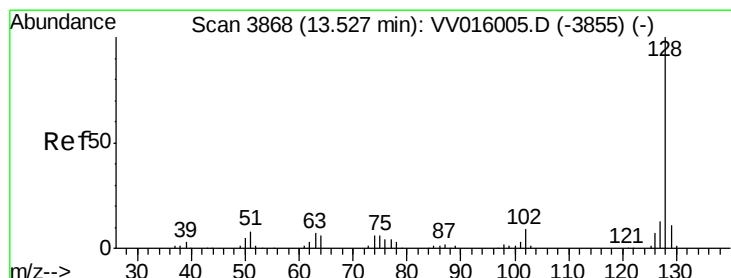
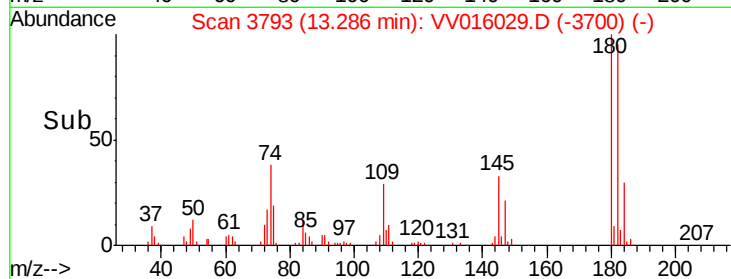
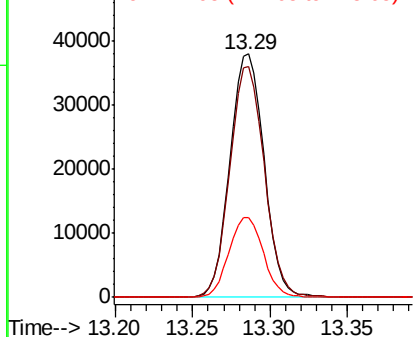
#69
1,2,4-trichlorobenzene
Concen: 4.785 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
145	32.8	26.4	39.6

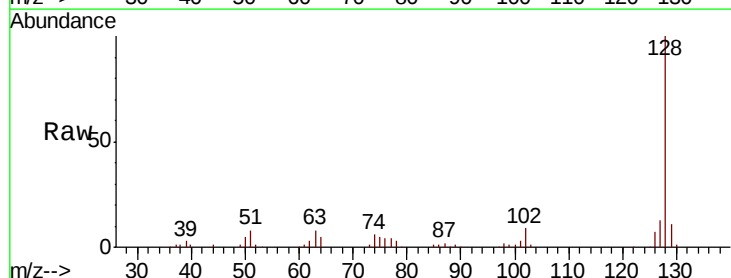


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

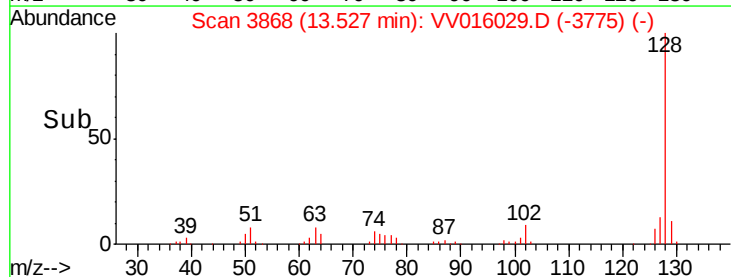
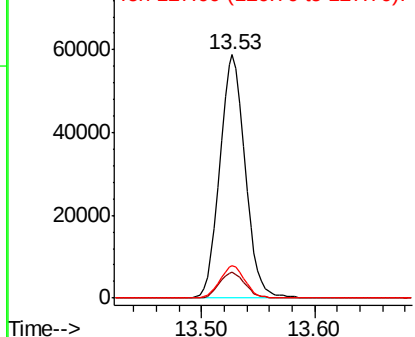


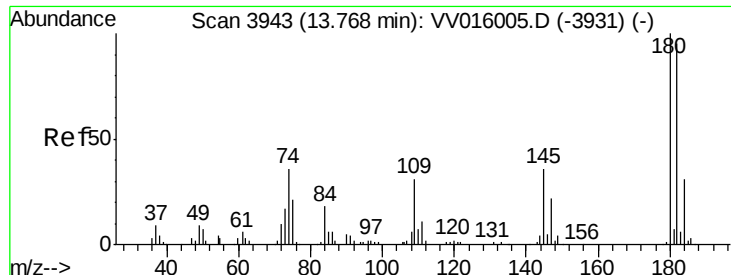
#70
Naphthalene
Concen: 4.743 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV016029.D
Acq: 12 May 2020 21:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	13.1	10.2	15.2



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

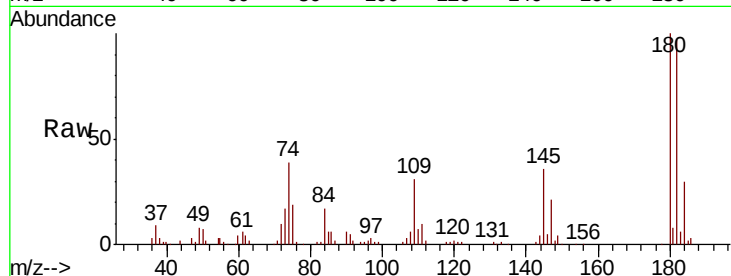




#71
 1,2,3-Trichlorobenzene
 Concen: 4.931 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016029.D
 Acq: 12 May 2020 21:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.6
145	34.9	28.3	42.5



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

