

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016314.D
 Acq On : 29 May 2020 11:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 23:41:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	101984	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	97618	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	46905	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31535	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.58	69	24945	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.13	63	61710	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.40%
20) 2-Butanone-d5	3.94	46	85490	52.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.24%
24) Chloroform-d	4.38	84	61059	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.06	65	33213	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.08	84	121400	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.09	67	36859	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.34	98	114452	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
45) trans-1,3-Dichloropropene-	7.64	79	13962	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
48) 2-Hexanone-d5	8.11	63	68292	53.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.80%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26793	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	40435	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	46803	5.213	ug/L 100
3) Chloromethane	1.25	50	48049	4.896	ug/L 100
5) Vinyl chloride	1.32	62	45305	5.073	ug/L 98
6) Bromomethane	1.53	94	19602	3.901	ug/L 97
8) Chloroethane	1.60	64	28347	5.681	ug/L 98
9) Trichlorofluoromethane	1.77	101	59880	5.186	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	33015	5.246	ug/L 97
12) 1,1-Dichloroethene	2.14	96	31816	5.289	ug/L 92
13) Acetone	2.21	43	52230	51.934	ug/L 87
14) Carbon disulfide	2.31	76	93748	5.028	ug/L 99
15) Methyl Acetate	2.46	43	13798	5.369	ug/L 98
16) Methylene chloride	2.53	84	32774	4.752	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	76352	5.155	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	33004	5.014	ug/L 96
19) 1,1-Dichloroethane	3.21	63	67752	5.418	ug/L 99
21) 2-Butanone	4.02	43	95463	53.360	ug/L 93
22) cis-1,2-Dichloroethene	3.94	96	38516	4.947	ug/L 96

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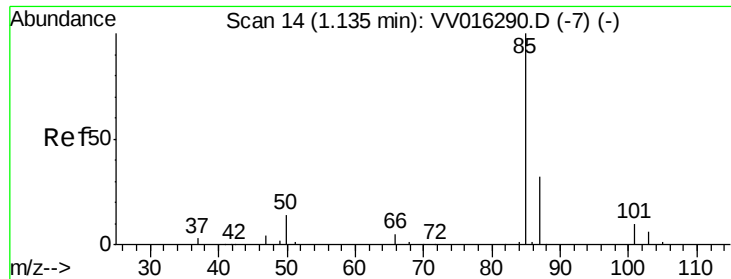
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	15092	5.107	ug/L	96
25) Chloroform	4.41	83	70211	5.305	ug/L	99
27) 1,2-Dichloroethane	5.16	62	44568	5.151	ug/L #	95
29) 1,1,1-Trichloroethane	4.63	97	60415	5.214	ug/L	99
30) Cyclohexane	4.70	56	64184	5.169	ug/L	98
31) Carbon tetrachloride	4.85	117	50231	5.117	ug/L	99
33) Benzene	5.13	78	146093	5.201	ug/L	100
34) Trichloroethene	5.94	95	38458	5.255	ug/L	97
35) Methylcyclohexane	6.15	83	65555	5.311	ug/L	98
37) 1,2-Dichloropropane	6.20	63	35509	5.154	ug/L	99
38) Bromodichloromethane	6.53	83	44355	5.232	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	51071	5.234	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	232554	54.252	ug/L	100
42) Toluene	7.41	91	161105	5.259	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	151215	5.422	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	155990	5.431	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	42966	5.300	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	24614	5.432	ug/L	97
49) Tetrachloroethene	8.00	164	27526	5.239	ug/L	98
50) 2-Hexanone	8.16	43	165098	55.229	ug/L	99
51) Dibromochloromethane	8.27	129	25029	5.215	ug/L	99
52) 1,2-Dibromoethane	8.37	107	22565	5.300	ug/L	96
53) Chlorobenzene	8.90	112	100023	5.284	ug/L	99
54) Ethylbenzene	9.03	91	182969	5.358	ug/L	99
55) m,p-xylene	9.16	106	68400	5.342	ug/L	99
56) o-xylene	9.57	106	65310	5.352	ug/L	99
57) Styrene	9.58	104	109872	5.411	ug/L	100
58) Isopropylbenzene	9.95	105	180073	5.387	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	29584	5.251	ug/L	98
62) Bromoform	9.75	173	10557	5.234	ug/L	96
63) 1,3-Dichlorobenzene	11.20	146	77878	5.441	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	77331	5.316	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	69845	5.398	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	4640	5.309	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	56089	5.537	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	48066	5.404	ug/L	98
70) Naphthalene	13.53	128	133637	6.877	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	42871	5.344	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.213 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

Instrument :

MSVOA_V

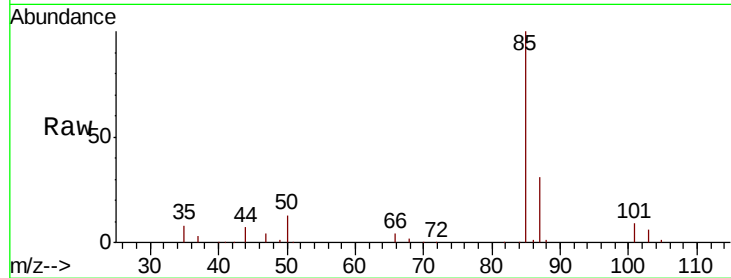
ClientSampled :

Tot Ion: 85 Resp: 46803

Ion Ratio Lower Upper

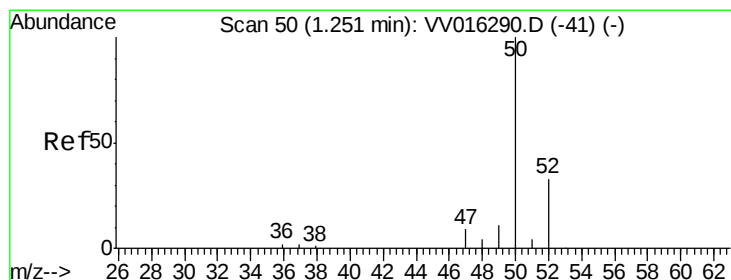
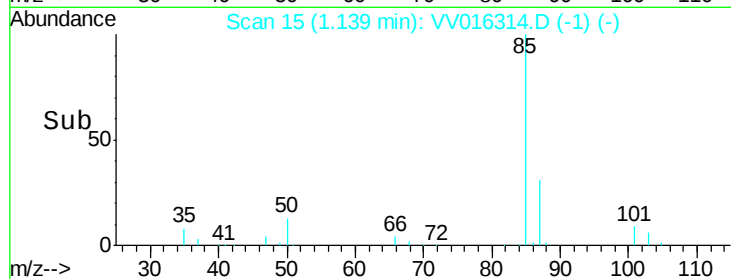
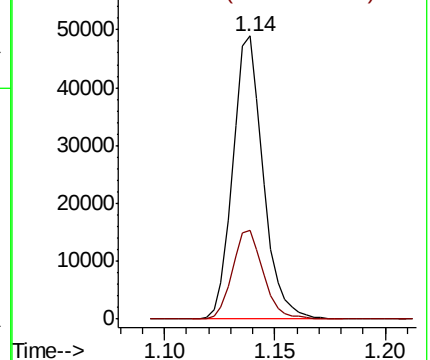
85 100

87 32.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.896 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016314.D

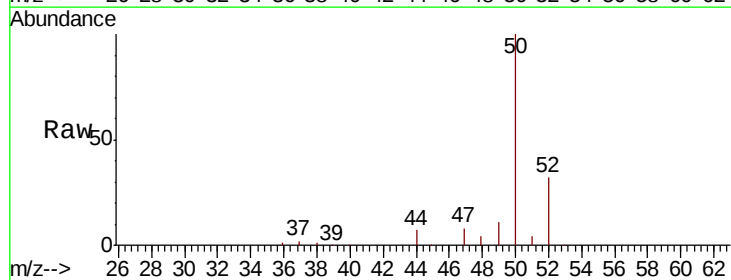
Acq: 29 May 2020 11:55

Tgt Ion: 50 Resp: 48049

Ion Ratio Lower Upper

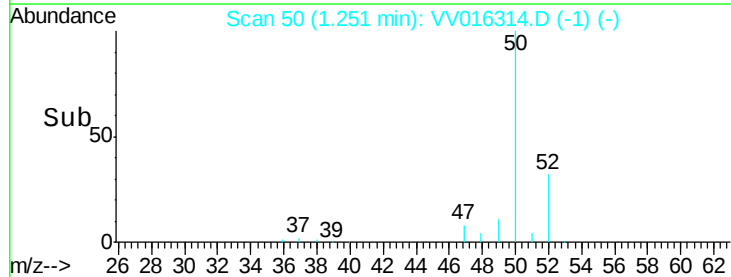
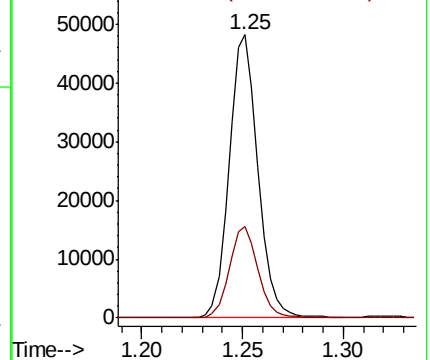
50 100

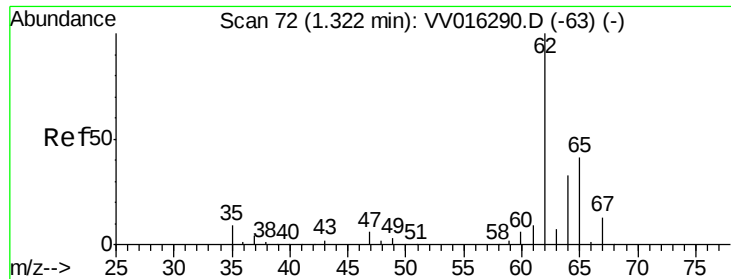
52 32.1 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.073 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

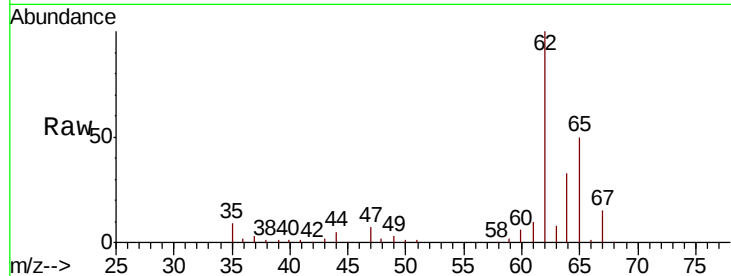
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 45305

Ion Ratio Lower Upper

62 100

64 32.5 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV016314.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV016314.D (-63) (-)

1.32

40000

30000

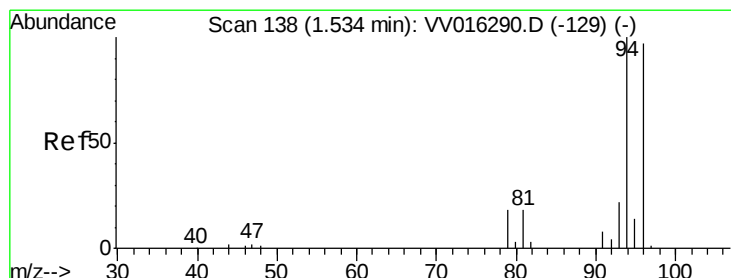
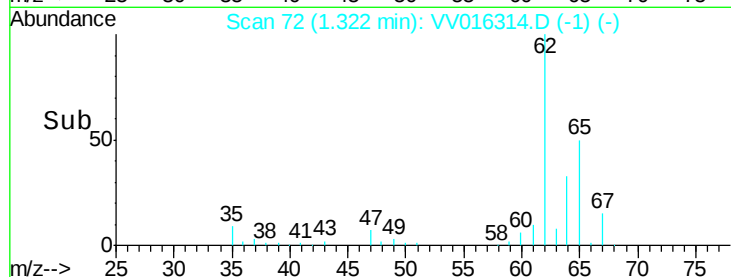
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 3.901 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016314.D

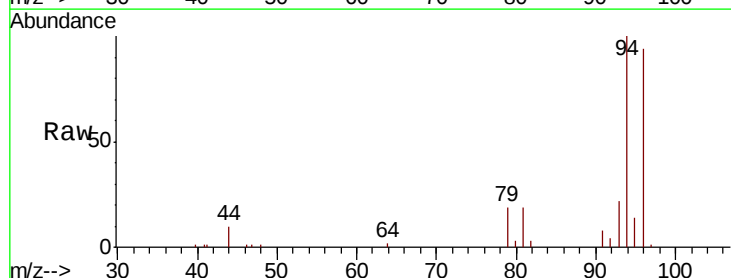
Acq: 29 May 2020 11:55

Tgt Ion: 94 Resp: 19602

Ion Ratio Lower Upper

94 100

96 94.0 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV016314.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV016314.D (-129) (-)

1.53

20000

15000

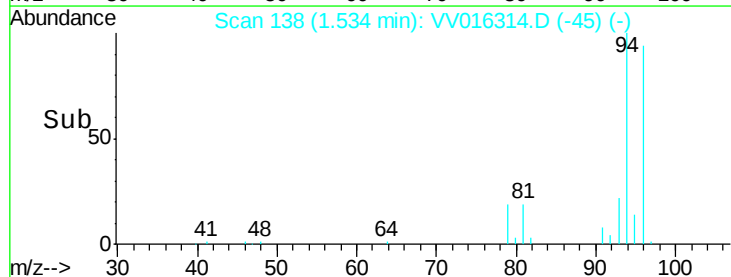
10000

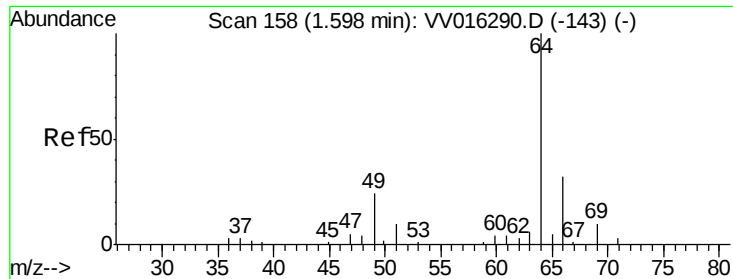
5000

0

1.50 1.55 1.60

Time-->

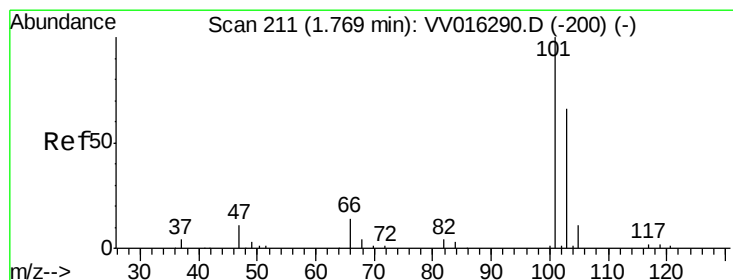
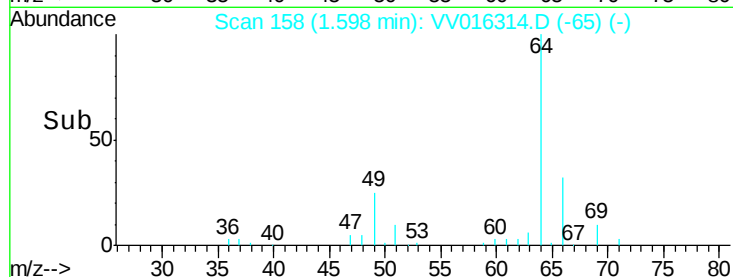
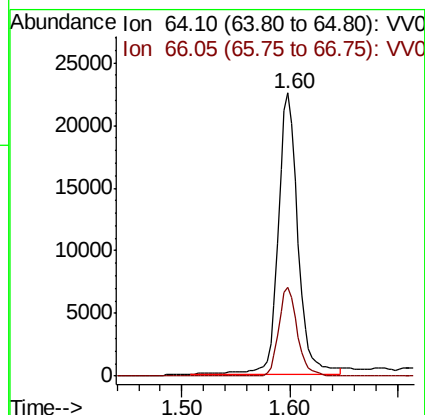
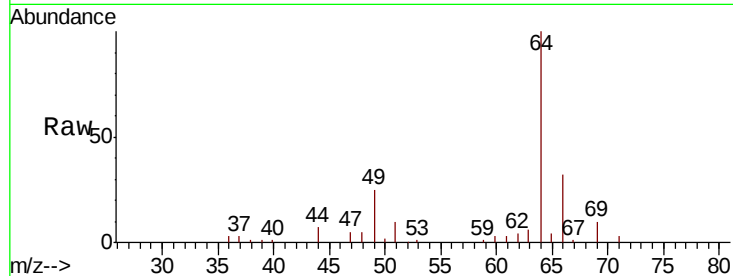




#8
Chloroethane
Concen: 5.681 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

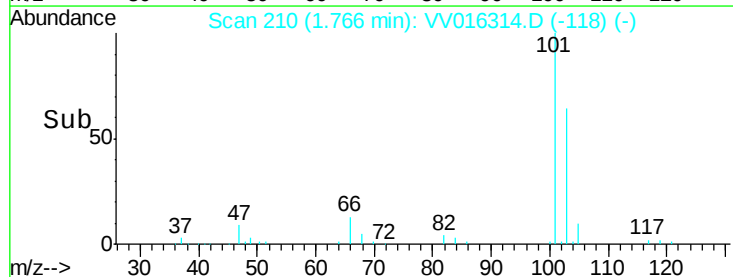
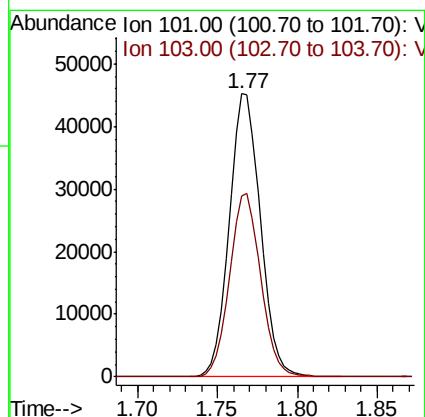
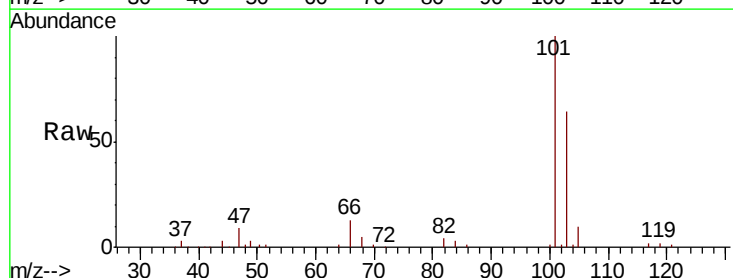
Instrument :
MSVOA_V
ClientSampleId :

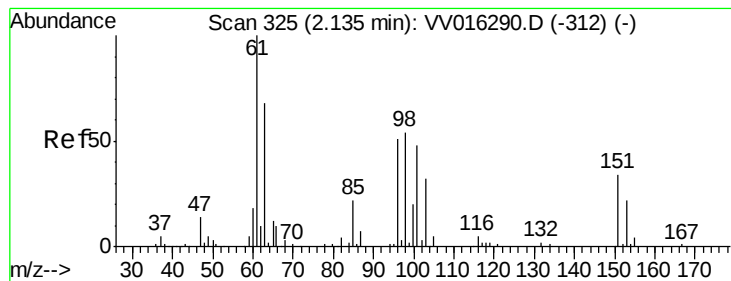
Tot Ion: 64 Resp: 28347
Ion Ratio Lower Upper
64 100
66 31.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.186 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion:101 Resp: 59880
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9





#10

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

Concen: 5.246 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

Instrument :

MSVOA_V

ClientSampled :

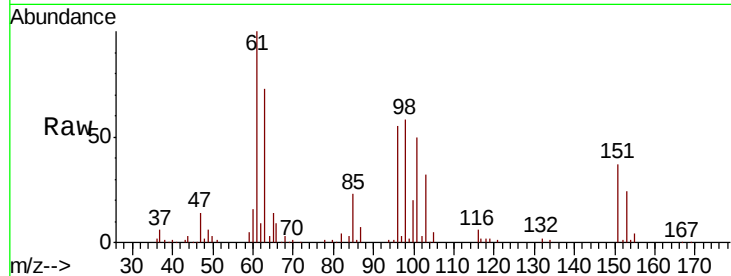
Tot Ion:101 Resp: 33015

Ion Ratio Lower Upper

101 100

85 45.4 35.0 52.6

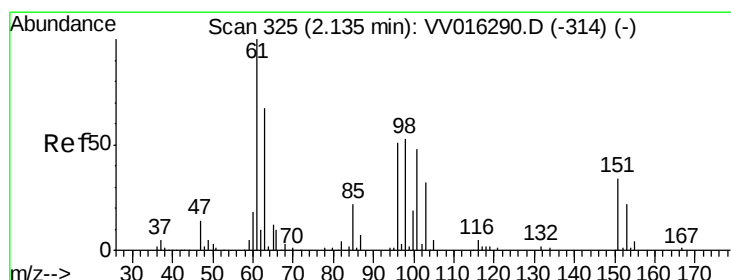
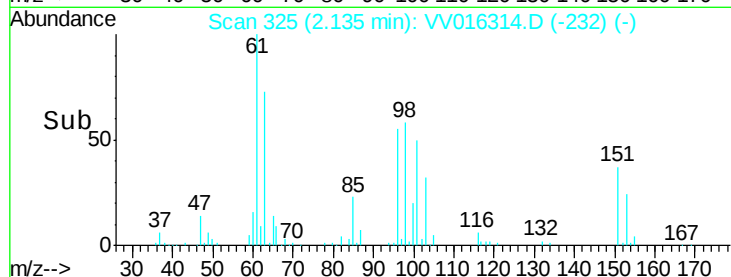
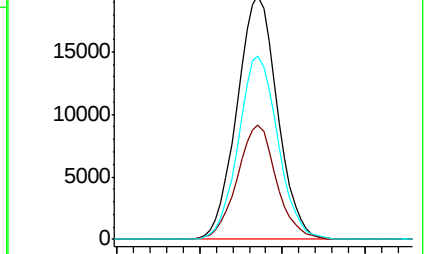
151 73.5 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): VV016314.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016314.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016314.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 5.289 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

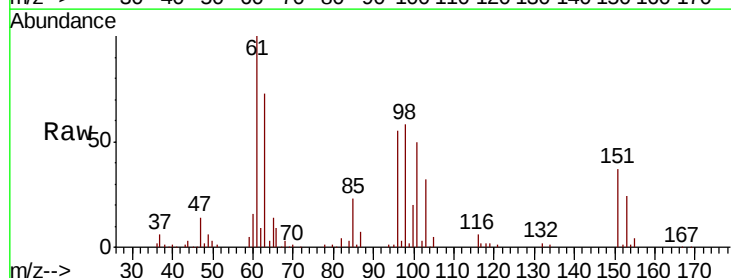
Tgt Ion: 96 Resp: 31816

Ion Ratio Lower Upper

96 100

61 182.4 124.9 231.9

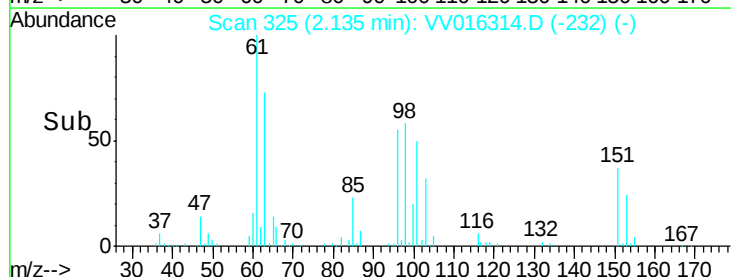
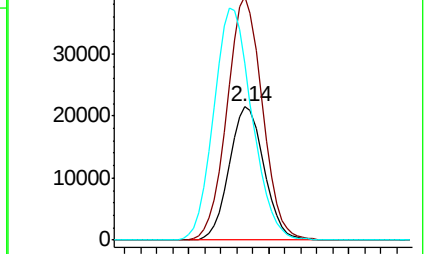
63 132.4 80.4 149.2

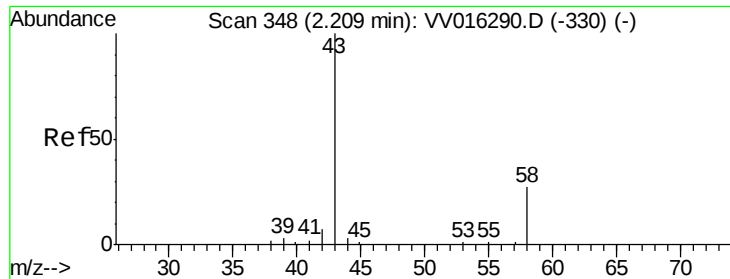


Abundance Ion 96.00 (95.70 to 96.70): VV016314.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV016314.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016314.D (-232) (-)





#13

Acetone

Concen: 51.934 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

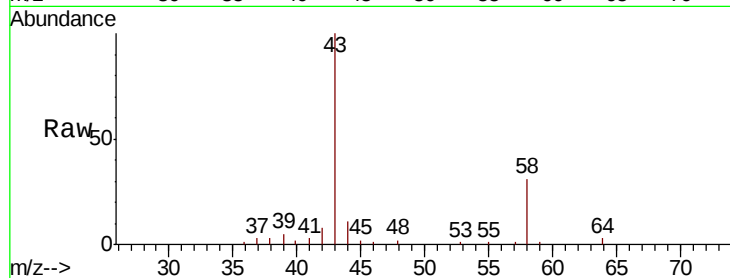
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 52230

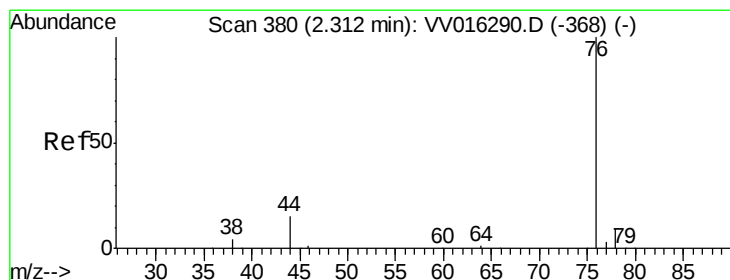
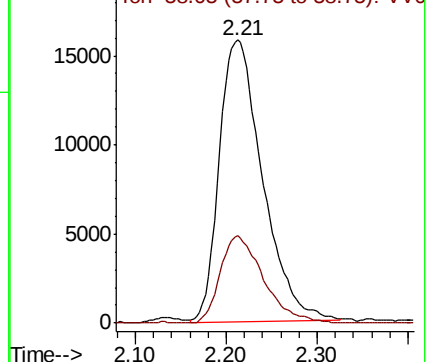
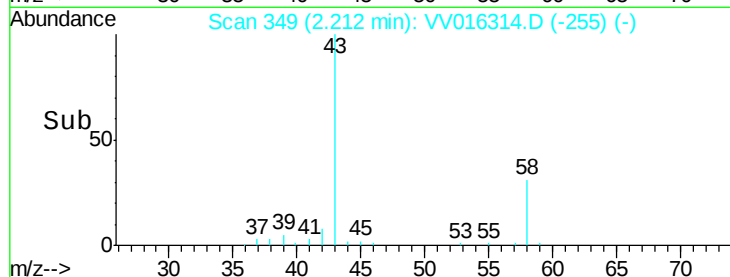
Ion Ratio Lower Upper

43 100

58 31.1 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV016314.D (-255) (-)



#14

Carbon disulfide

Concen: 5.028 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016314.D

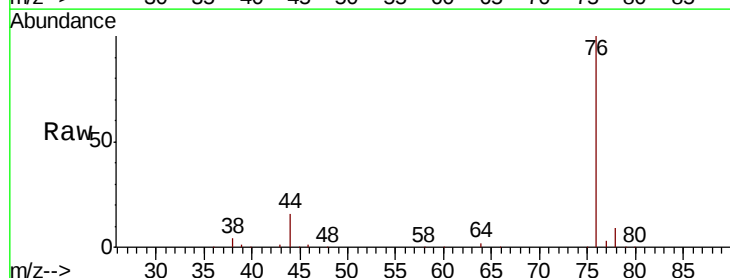
Acq: 29 May 2020 11:55

Tgt Ion: 76 Resp: 93748

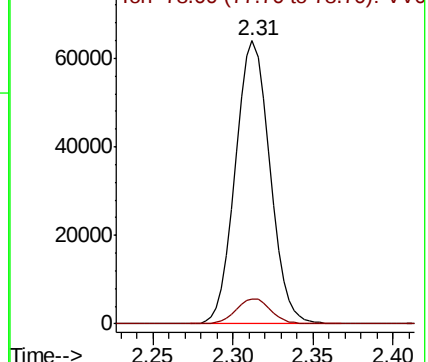
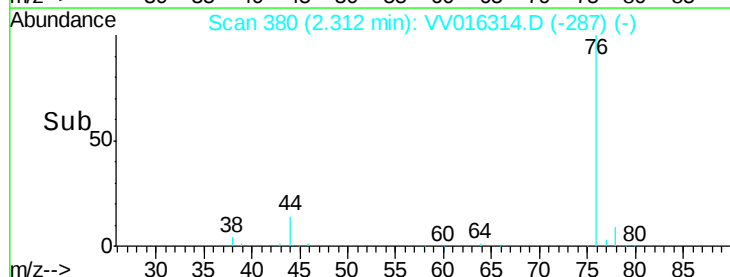
Ion Ratio Lower Upper

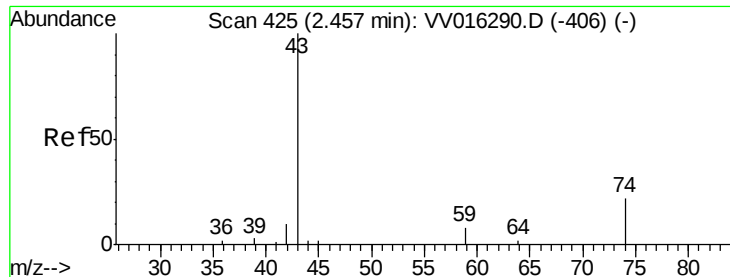
76 100

78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV016314.D (-287) (-)

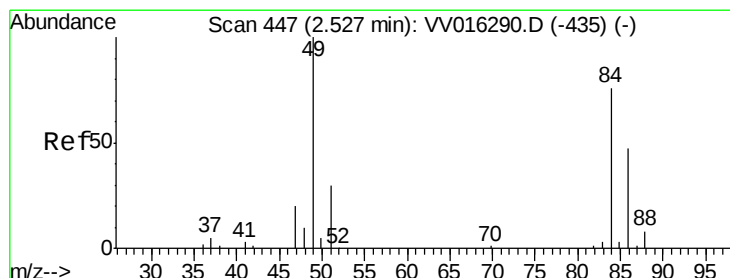
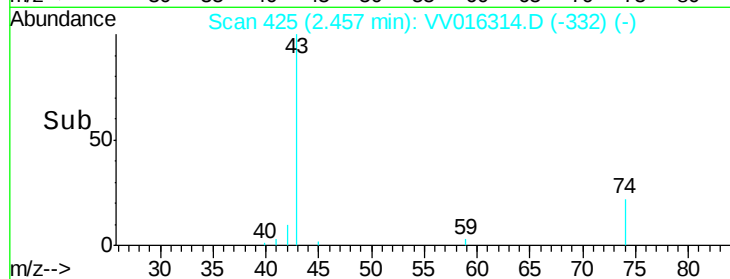
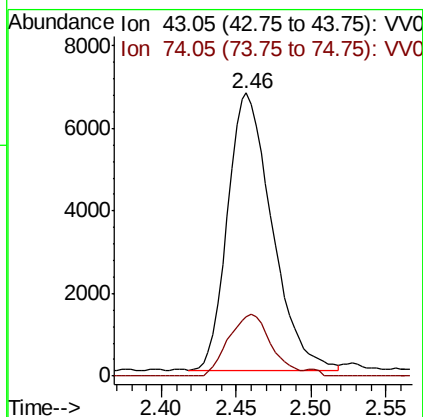
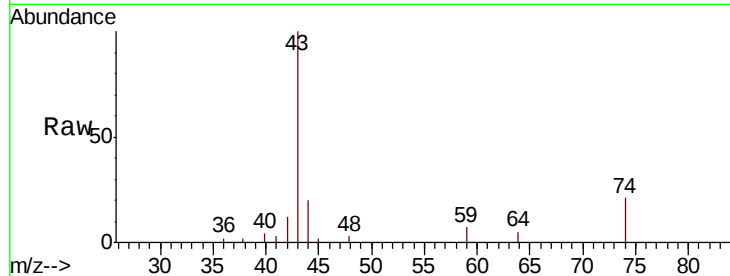




#15
Methvl Acetate
Concen: 5.369 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

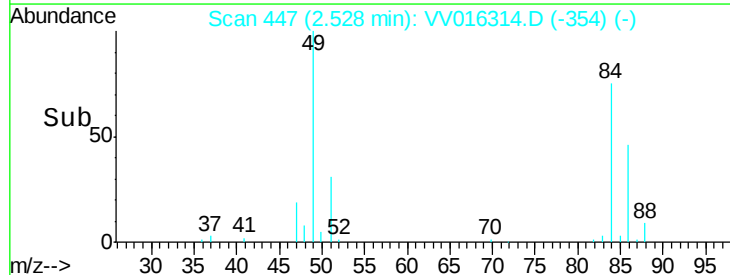
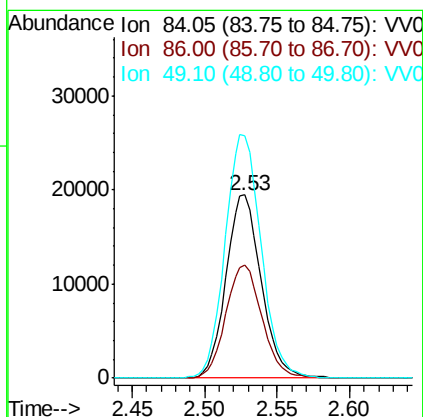
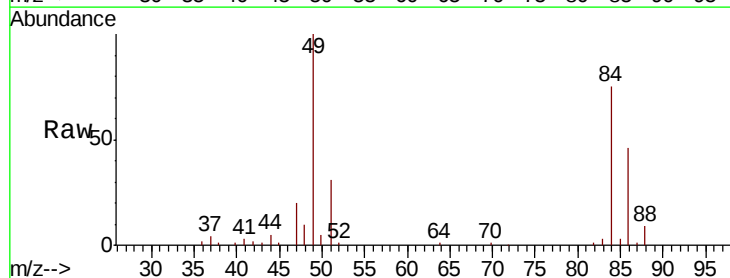
Instrument :
MSVOA_V
ClientSampleId :

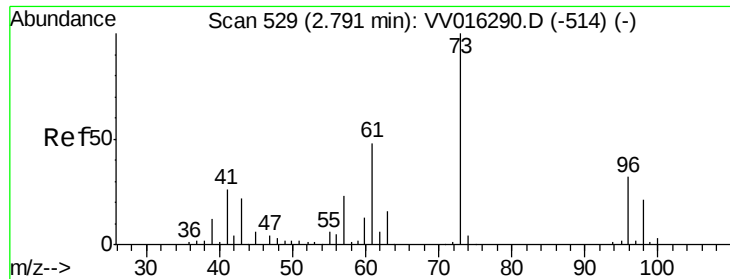
Tot Ion: 43 Resp: 13798
Ion Ratio Lower Upper
43 100
74 21.6 18.1 27.1



#16
Methylene chloride
Concen: 4.752 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion: 84 Resp: 32774
Ion Ratio Lower Upper
84 100
86 61.4 44.9 83.5
49 132.7 96.7 179.7

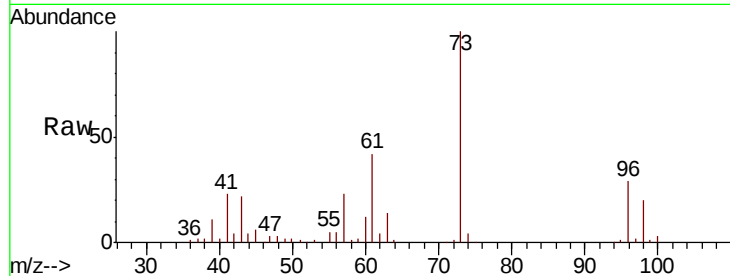




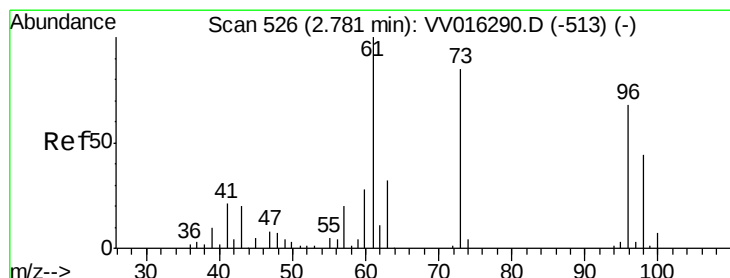
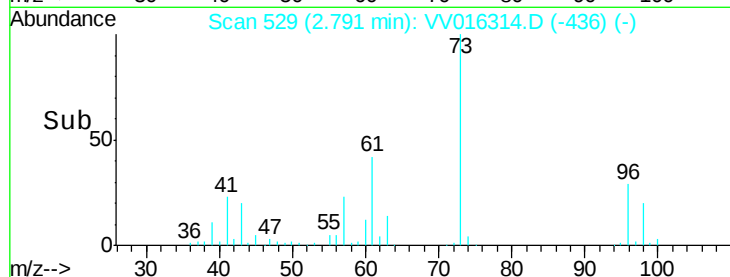
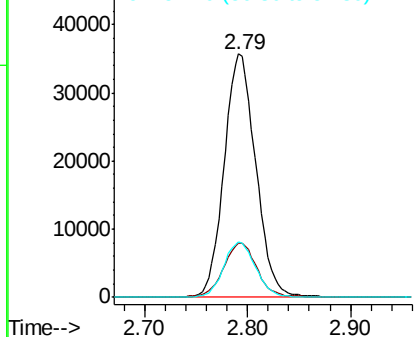
#17
Methvl tert-butvl Ether
Concen: 5.155 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 76352
Ion Ratio Lower Upper
73 100
43 23.7 17.8 26.8
57 23.0 18.9 28.3

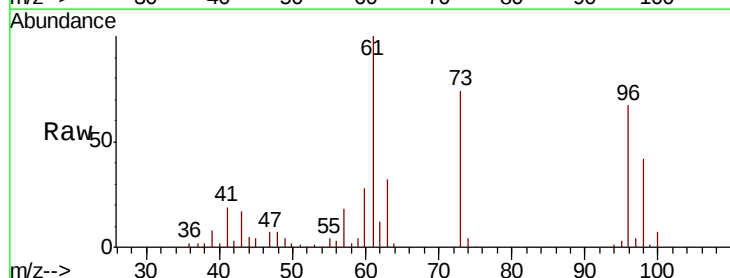


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

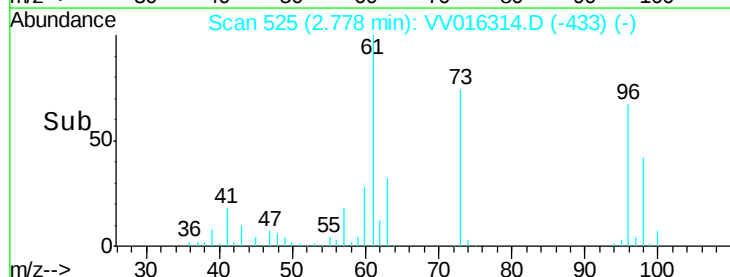
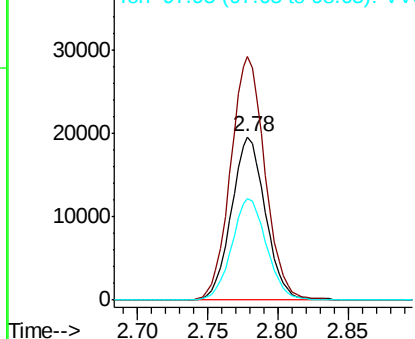


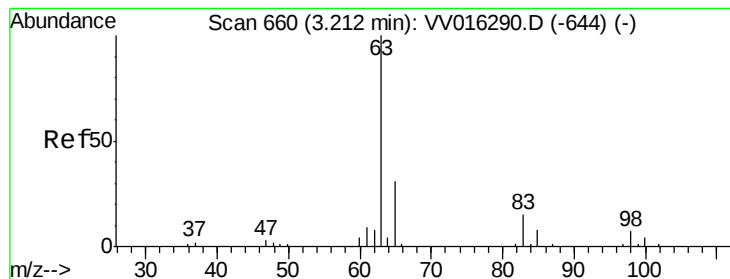
#18
trans-1,2-Dichloroethene
Concen: 5.014 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion: 96 Resp: 33004
Ion Ratio Lower Upper
96 100
61 149.1 99.8 185.4
98 62.4 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: 5.418 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

Instrument :

MSVOA_V

ClientSampleId :

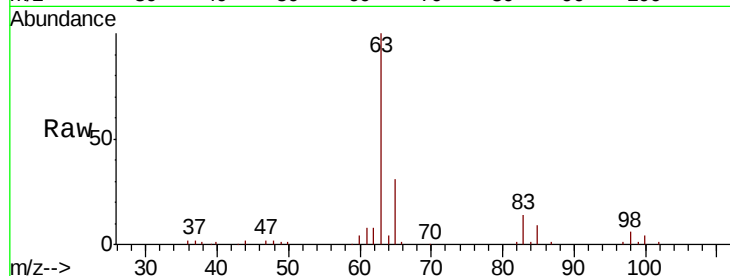
Tot Ion: 63 Resp: 67752

Ion Ratio Lower Upper

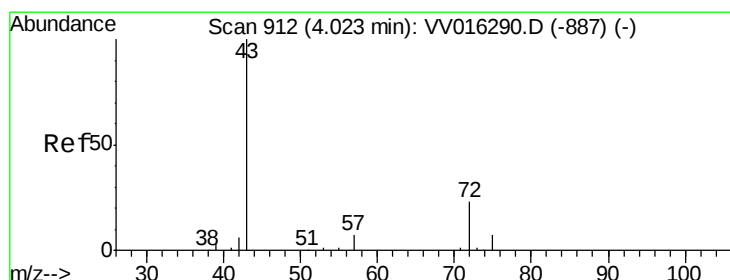
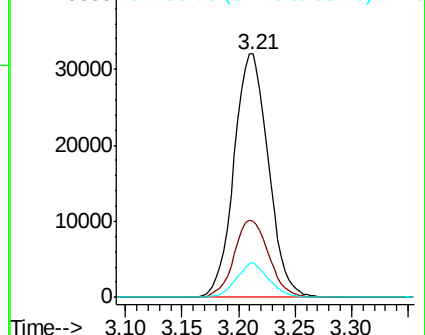
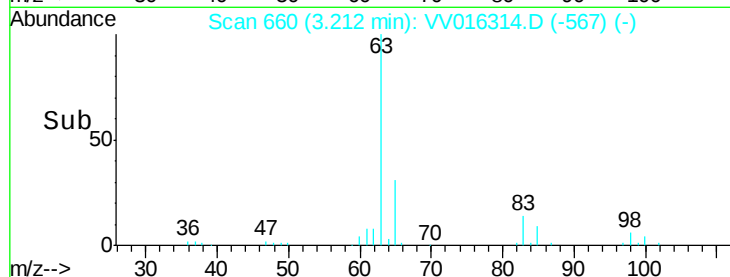
63 100

65 31.3 22.3 41.5

83 14.4 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VV016314.D (-567) (-)



#21

2-Butanone

Concen: 53.360 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV016314.D

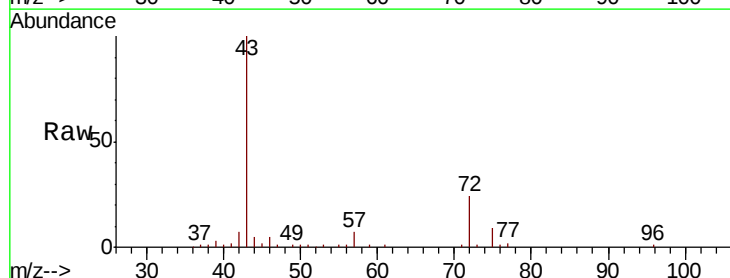
Acq: 29 May 2020 11:55

Tgt Ion: 43 Resp: 95463

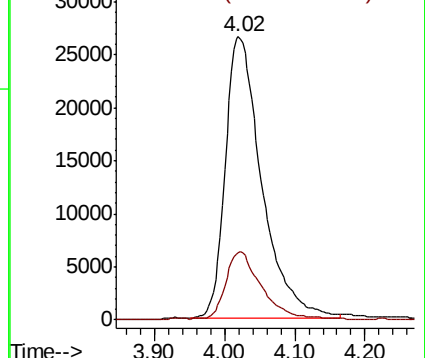
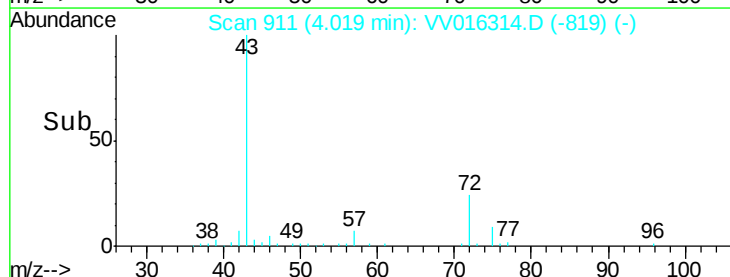
Ion Ratio Lower Upper

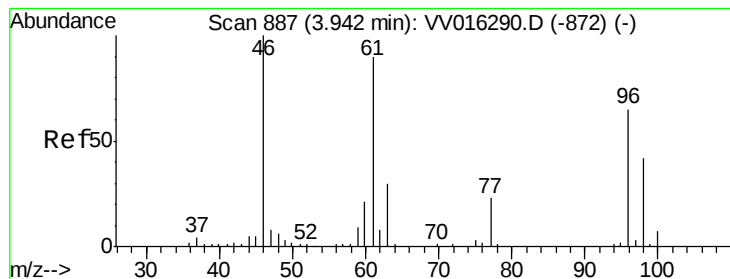
43 100

72 22.3 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV016314.D (-819) (-)



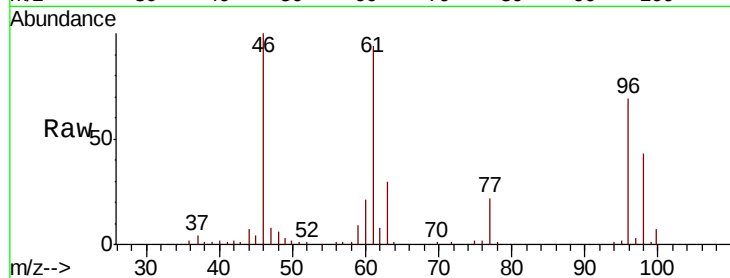


#22

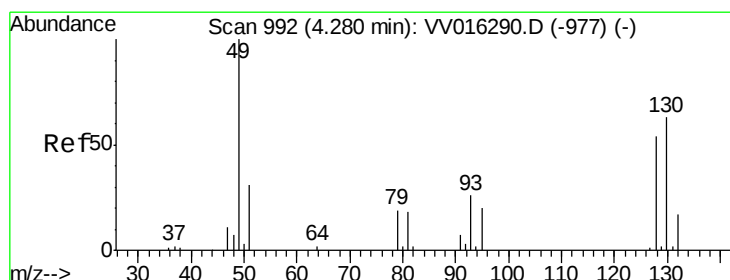
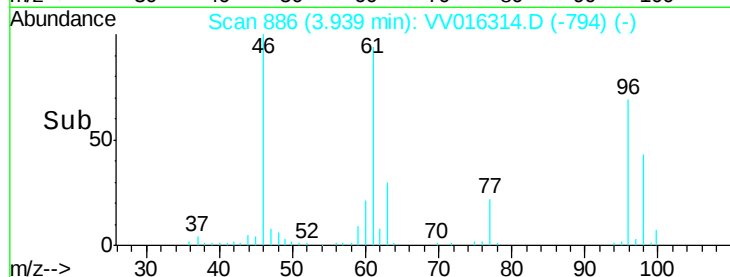
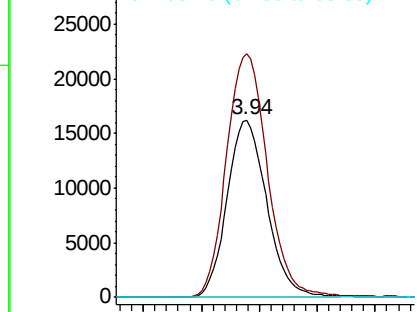
cis-1,2-Dichloroethene
Concen: 4.947 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 38516
Ion Ratio Lower Upper
96 100
61 137.3 99.7 185.1
68 0.0 0.0 0.0



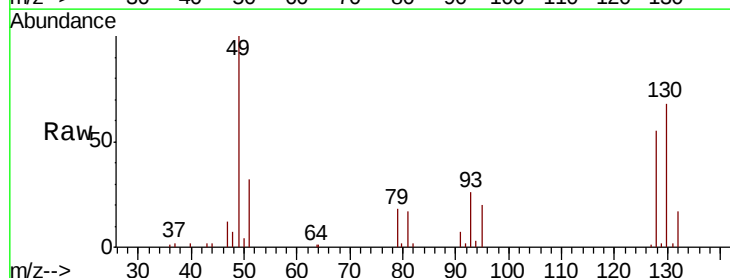
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



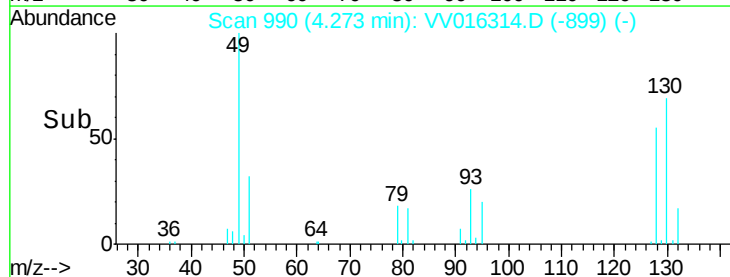
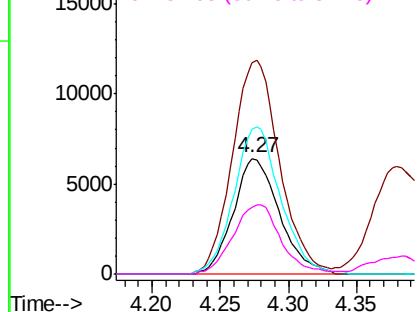
#23

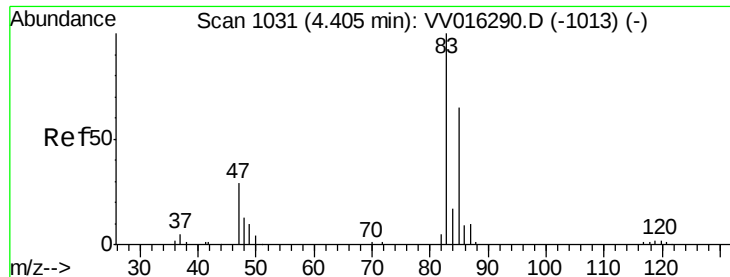
Bromochloromethane
Concen: 5.107 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion: 128 Resp: 15092
Ion Ratio Lower Upper
128 100
49 182.6 125.5 233.1
130 124.9 83.0 154.2
51 58.0 42.9 64.3



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

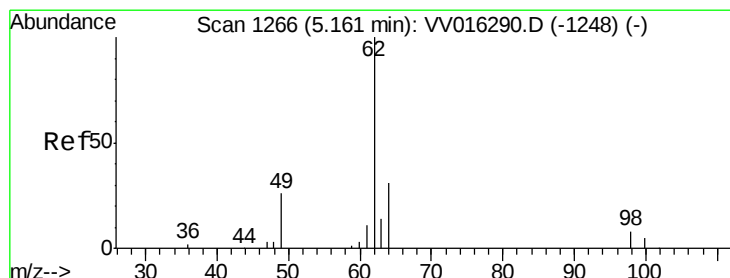
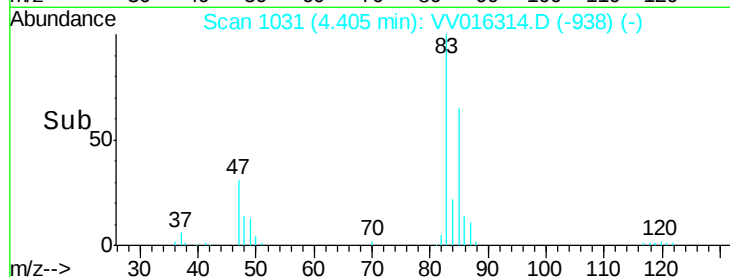
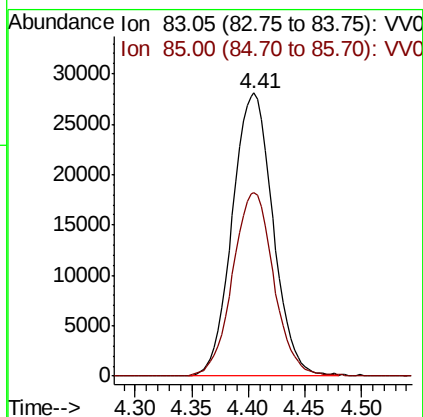
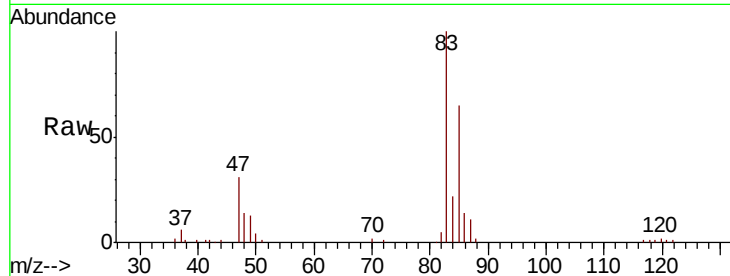




#25
Chloroform
Concen: 5.305 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

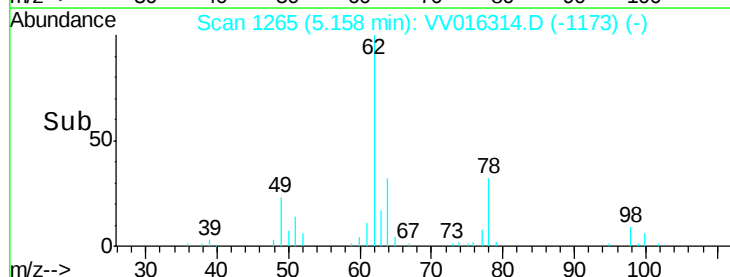
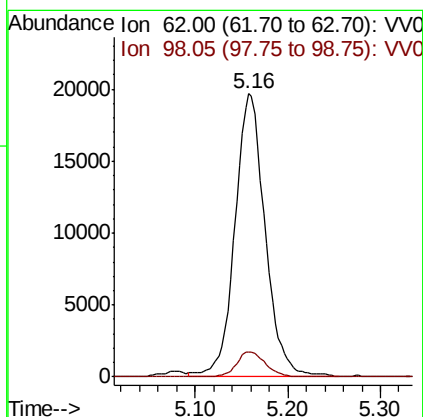
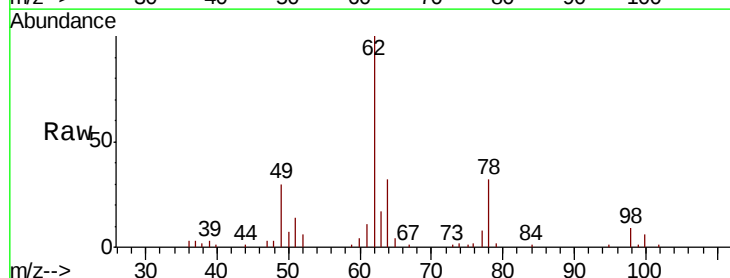
Instrument :
MSVOA_V
ClientSampled :

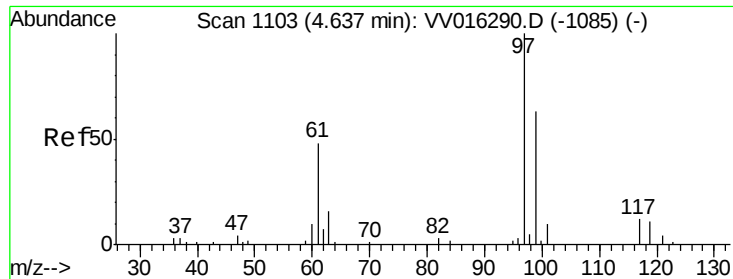
Tot Ion: 83 Resp: 70211
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.151 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion: 62 Resp: 44568
Ion Ratio Lower Upper
62 100
98 8.8 5.7 8.5#

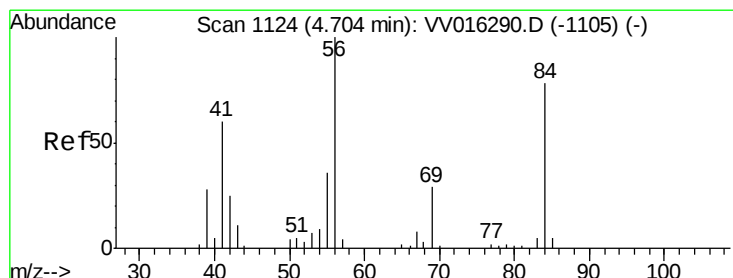
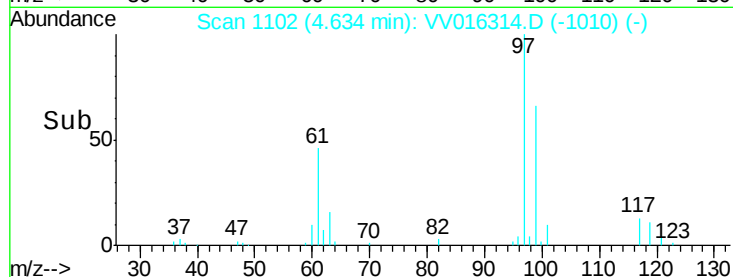
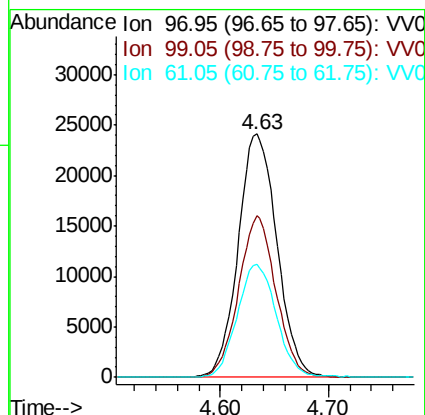
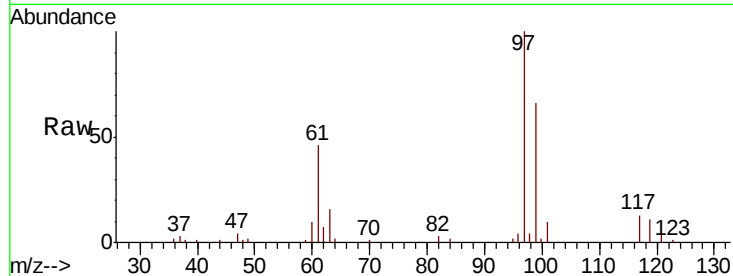




#29
 1,1,1-Trichloroethane
 Concen: 5.214 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

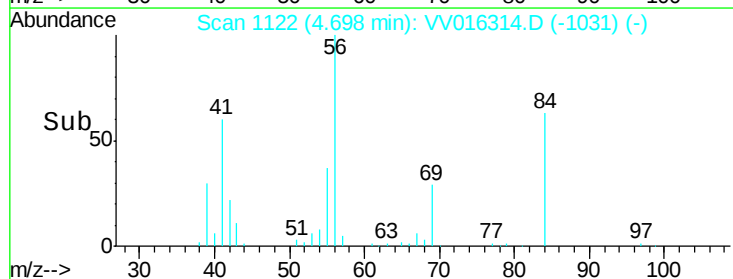
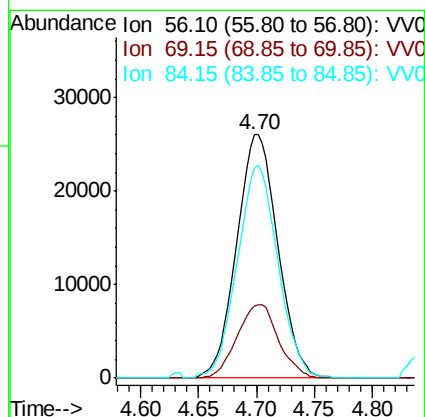
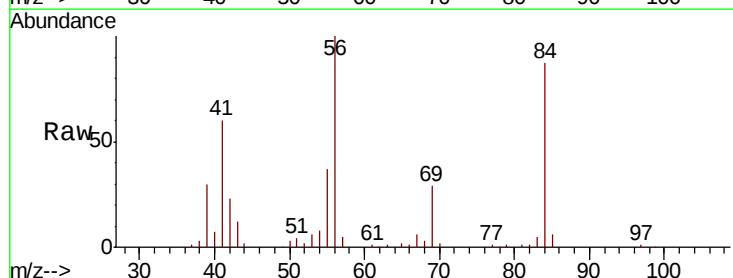
Instrument :
 MSVOA_V
 ClientSampled :

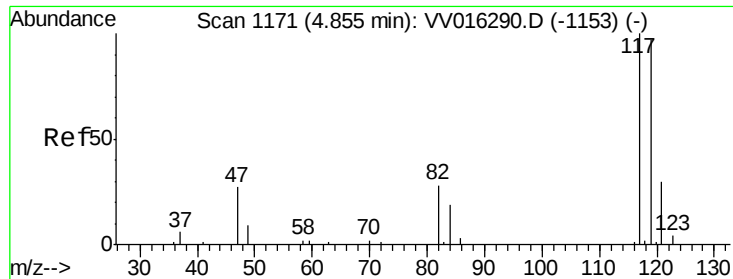
Tot Ion: 97 Resp: 60415
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.2 76.8
 61 46.8 38.6 57.8



#30
 Cyclohexane
 Concen: 5.169 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Tgt Ion: 56 Resp: 64184
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.6 36.8
 84 86.5 67.1 100.7





#31

Carbon tetrachloride

Concen: 5.117 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

Instrument :

MSVOA_V

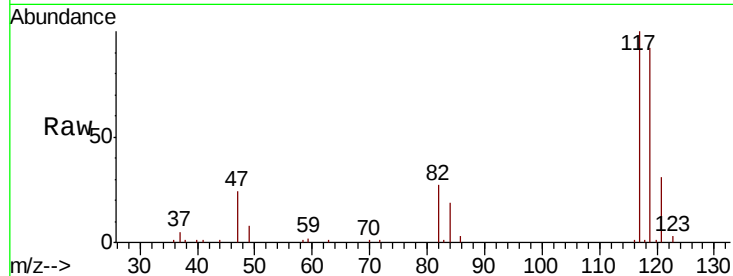
ClientSampleId :

Tot Ion:117 Resp: 50231

Ion Ratio Lower Upper

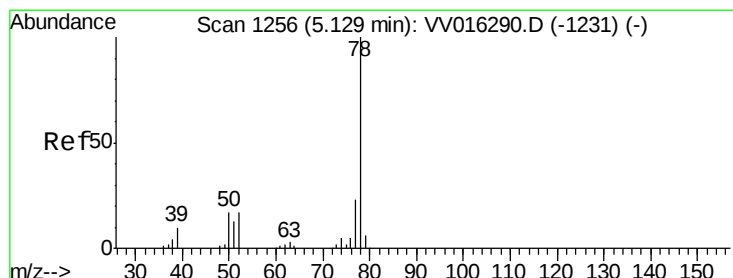
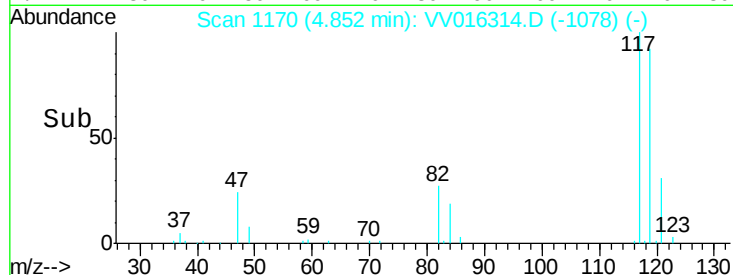
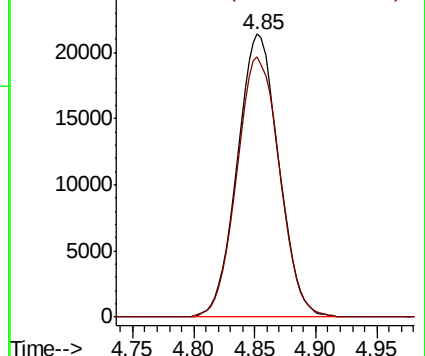
117 100

119 95.3 75.2 112.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.201 ug/L

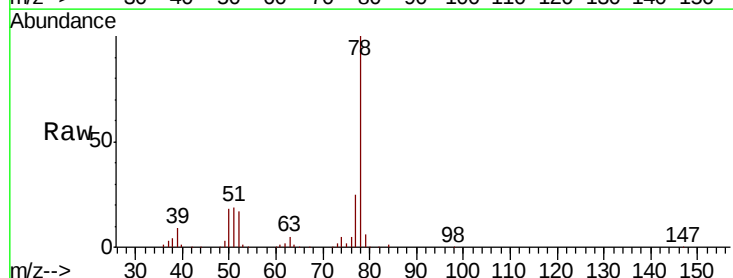
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

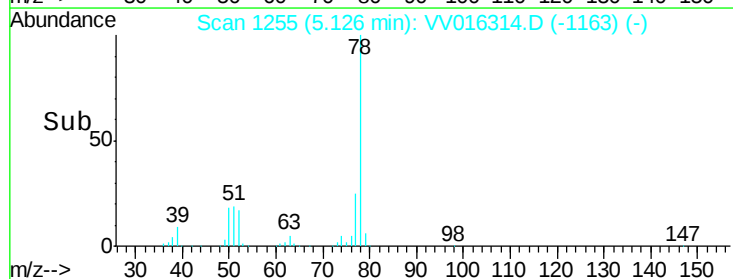
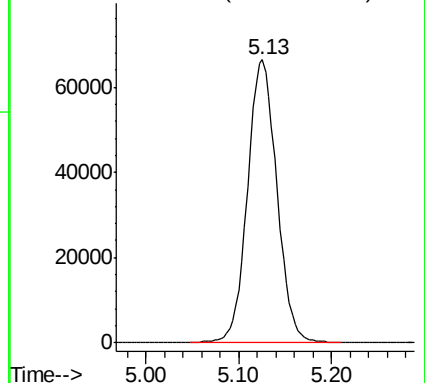
Lab File: VV016314.D

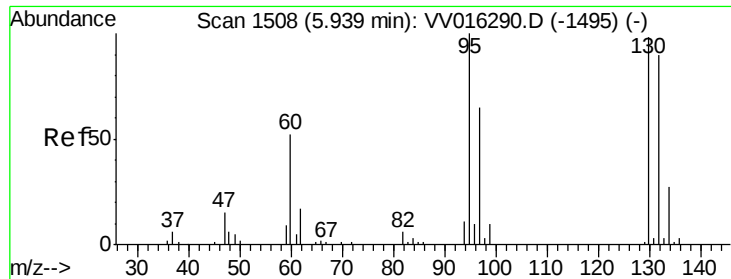
Acq: 29 May 2020 11:55

Tgt Ion: 78 Resp: 146093



Abundance Ion 78.10 (77.80 to 78.80): VV0

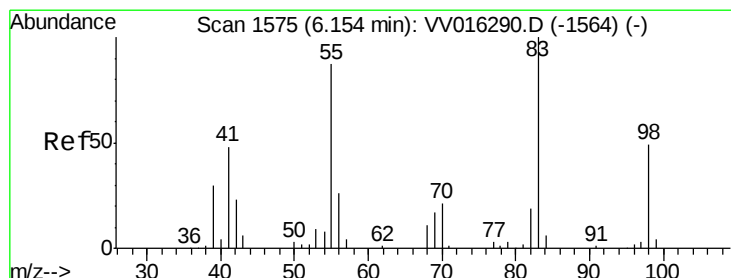
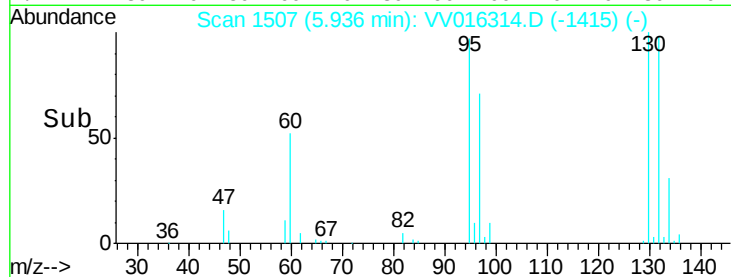
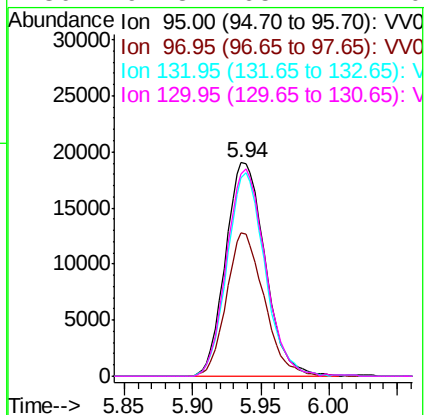
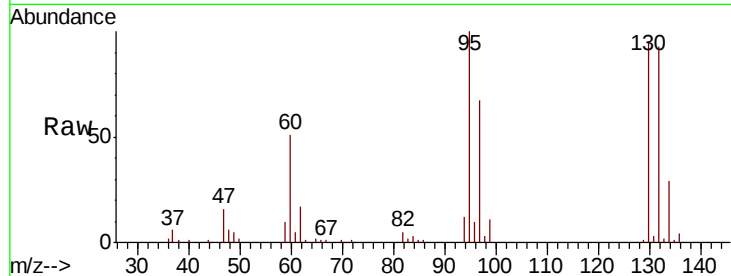




#34
 Trichloroethene
 Concen: 5.255 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

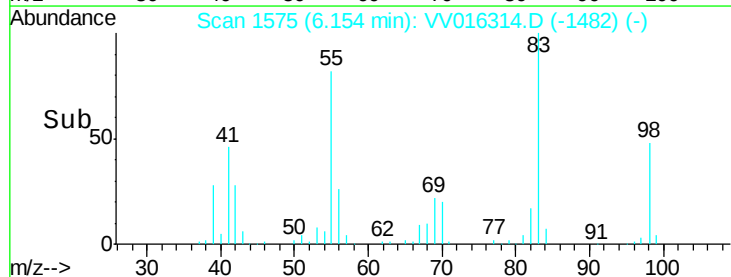
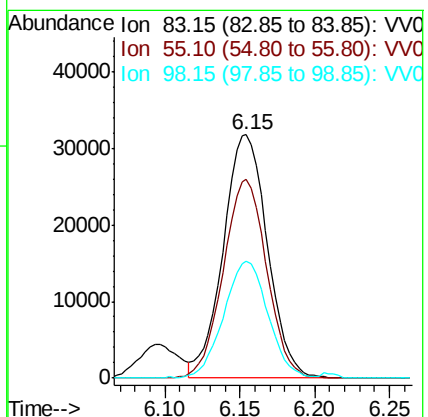
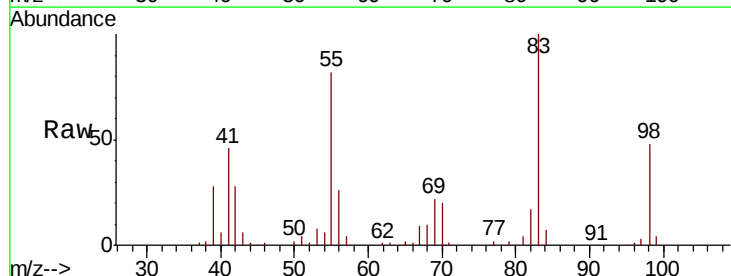
Instrument :
 MSVOA_V
 ClientSampleId :

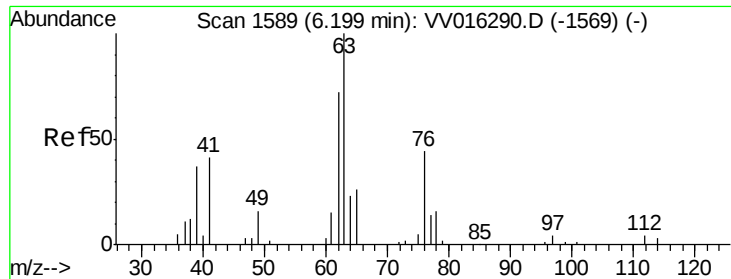
Tot Ion: 95 Resp: 38458
 Ion Ratio Lower Upper
 95 100
 97 67.1 43.6 81.0
 132 92.9 63.9 118.7
 130 94.8 65.2 121.0



#35
 Methylcyclohexane
 Concen: 5.311 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Tgt Ion: 83 Resp: 65555
 Ion Ratio Lower Upper
 83 100
 55 80.0 65.4 98.0
 98 48.1 39.3 58.9

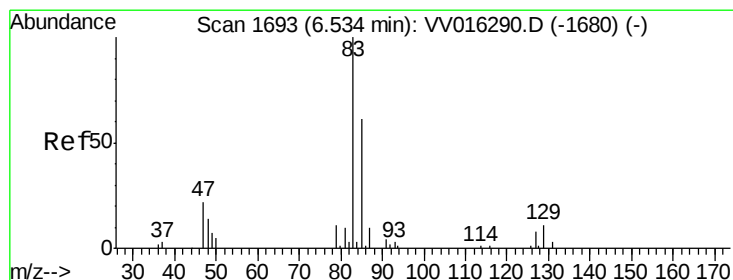
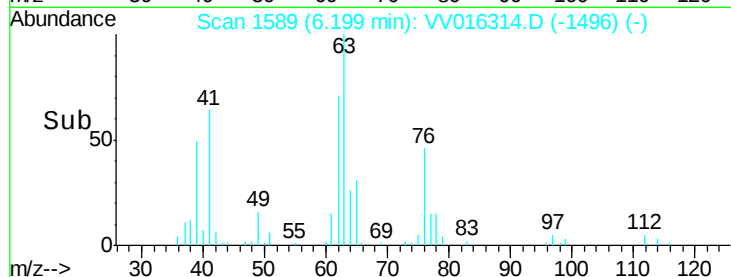
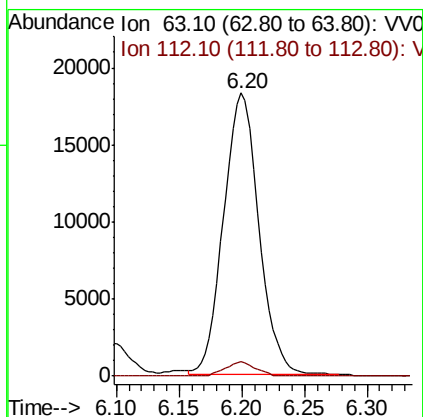
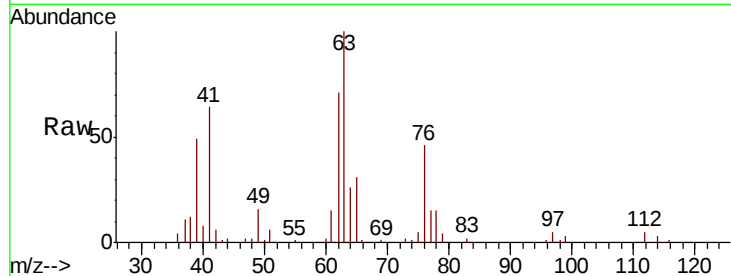




#37
 1,2-Dichloropropane
 Concen: 5.154 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

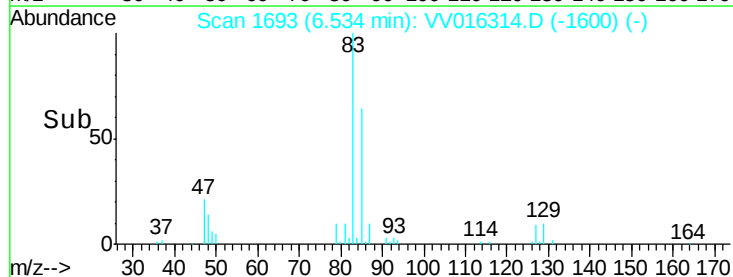
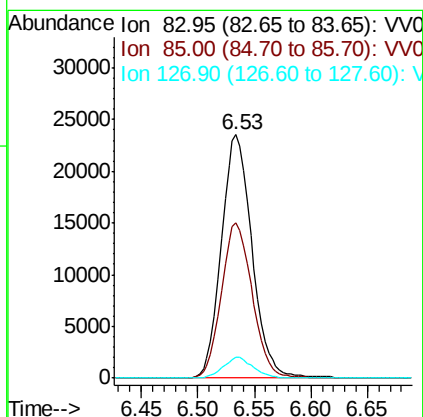
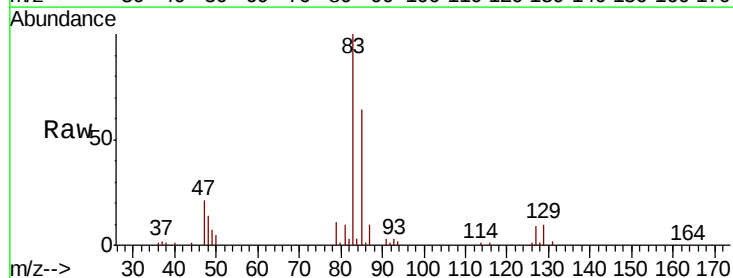
Instrument :
 MSVOA_V
 ClientSampleId :

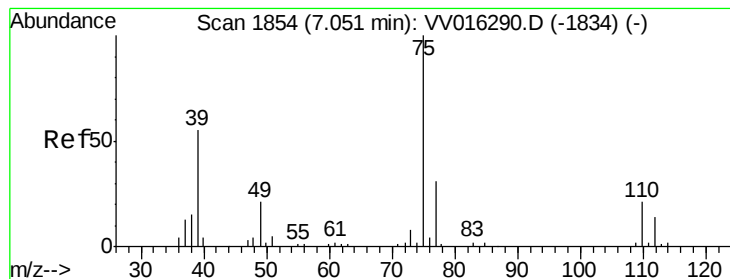
Tot Ion: 63 Resp: 35509
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.232 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Tgt Ion: 83 Resp: 44355
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.2 82.2
 127 8.5 7.1 10.7



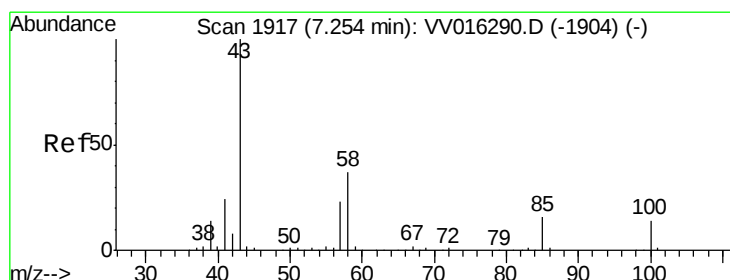
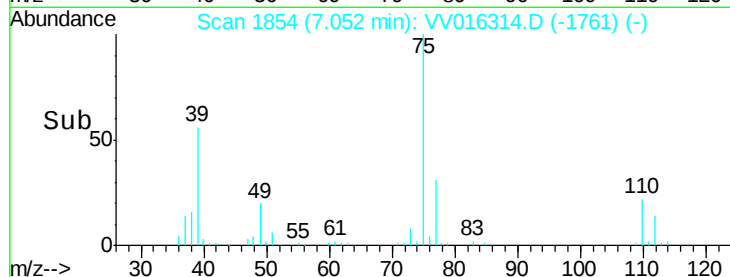
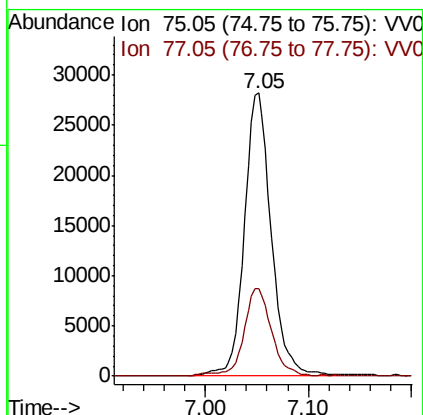
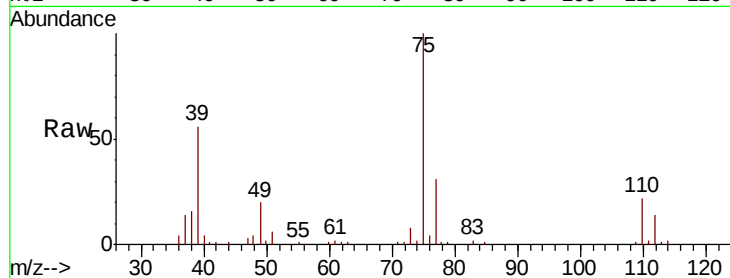


#39

cis-1,3-Dichloropropene
 Concen: 5.234 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Instrument :
 MSVOA_V
 ClientSampleId :

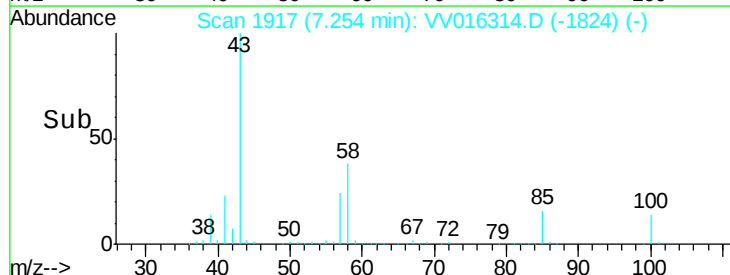
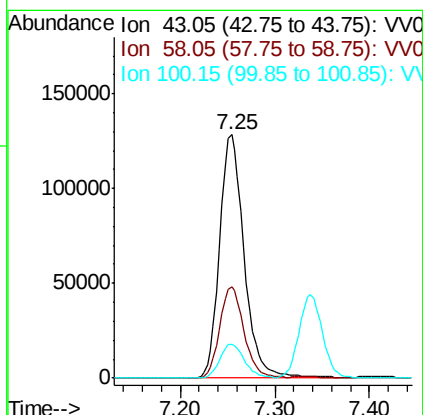
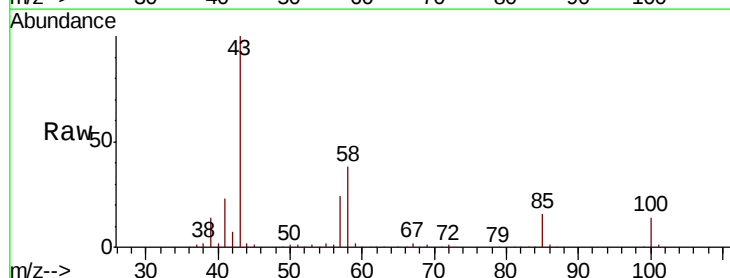
Tot Ion: 75 Resp: 51071
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3

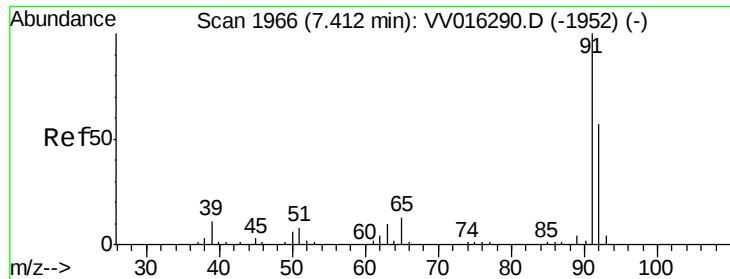


#40

4-Methyl-2-pentanone
 Concen: 54.252 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Tgt Ion: 43 Resp: 232554
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.5 44.3
 100 13.9 11.1 16.7





#42

Toluene

Concen: 5.259 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

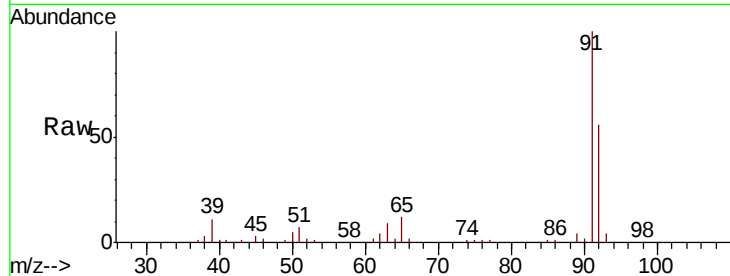
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 161105

Ion Ratio Lower Upper

91 100

92 56.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016290.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016290.D (-1952) (-)

7.41

100000

80000

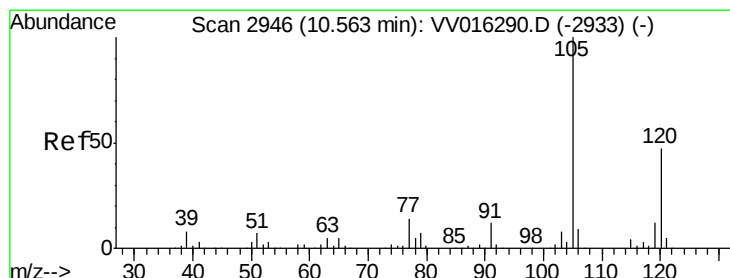
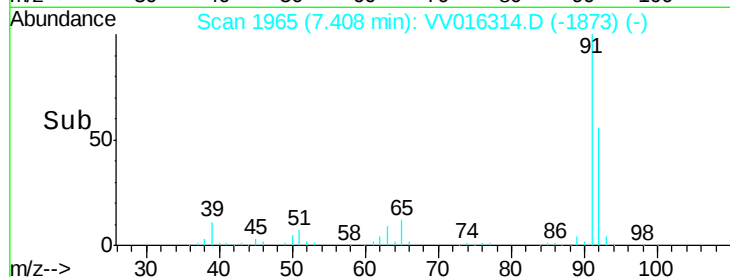
60000

40000

20000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.422 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016314.D

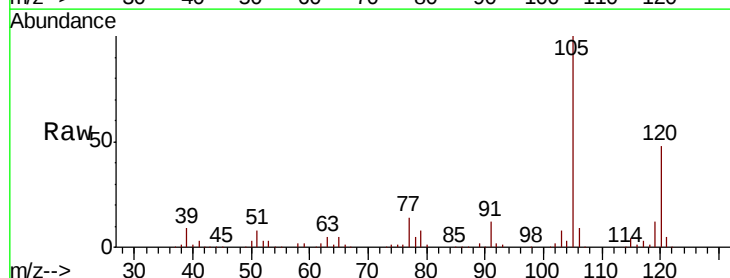
Acq: 29 May 2020 11:55

Tgt Ion:105 Resp: 151215

Ion Ratio Lower Upper

105 100

120 48.0 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016290.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016290.D (-2933) (-)

10.56

100000

80000

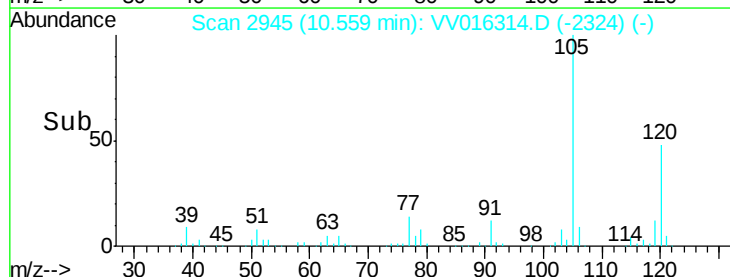
60000

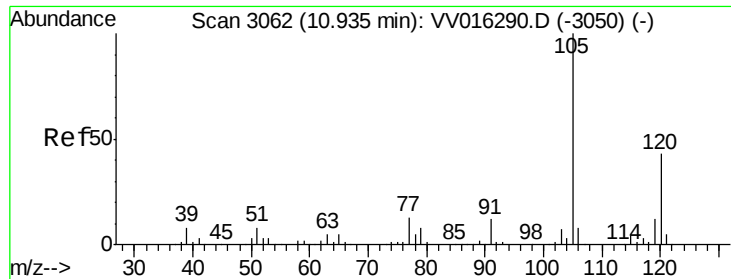
40000

20000

0

Time-->

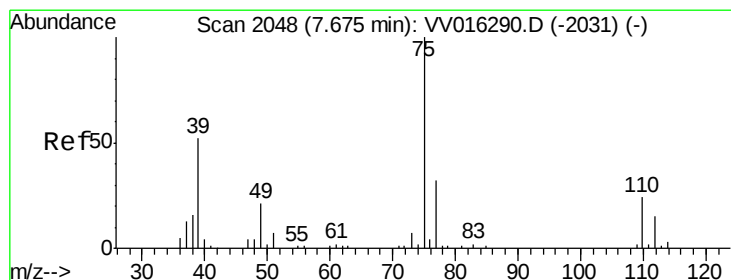
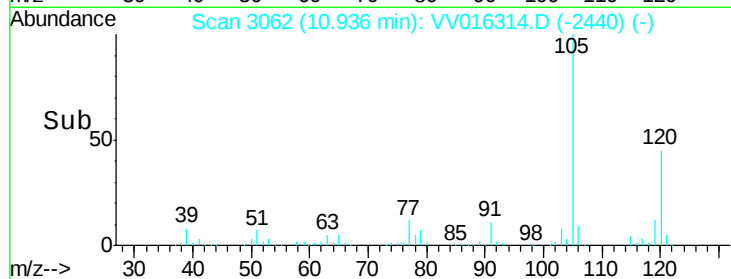
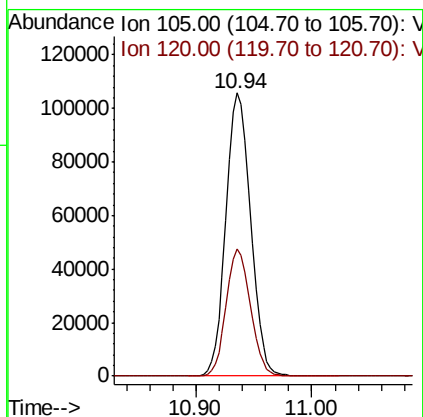
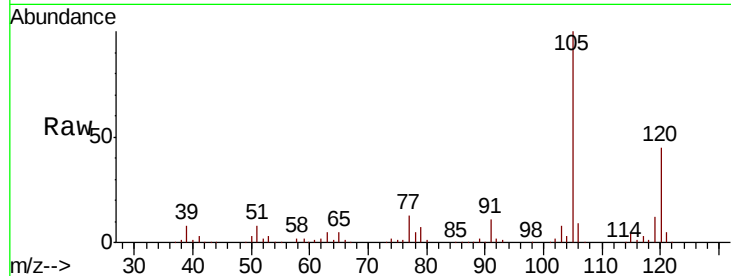




#44
 1,2,4-Trimethylbenzene
 Concen: 5.431 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

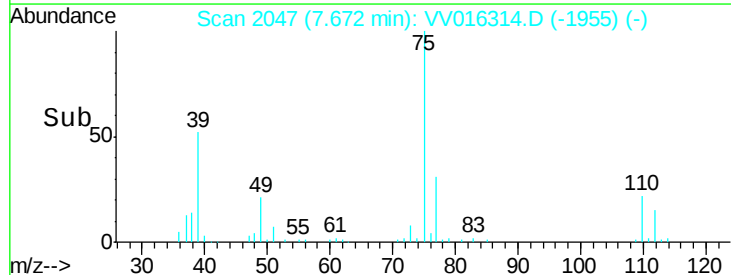
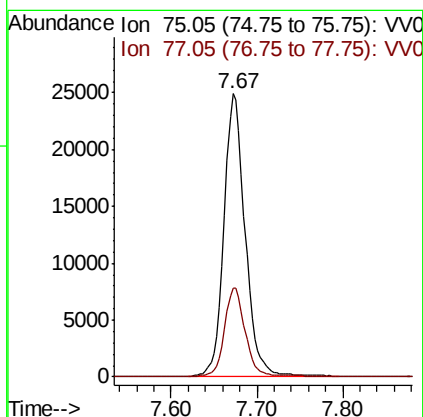
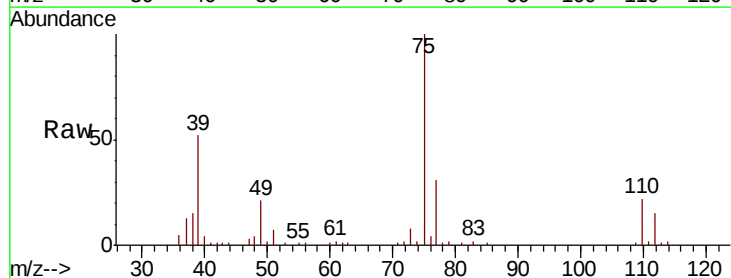
Instrument :
 MSVOA_V
 ClientSampled :

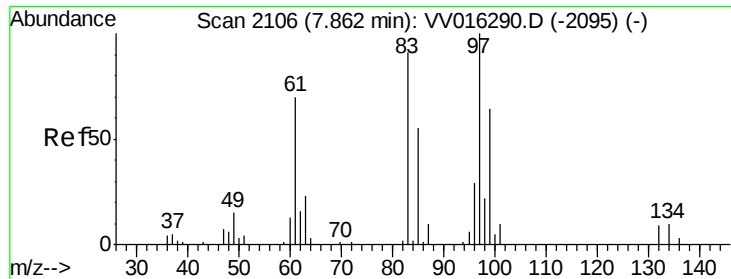
Tot Ion:105 Resp: 155990
 Ion Ratio Lower Upper
 105 100
 120 44.0 34.6 52.0



#46
 trans-1,3-Dichloropropene
 Concen: 5.300 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Tgt Ion: 75 Resp: 42966
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3

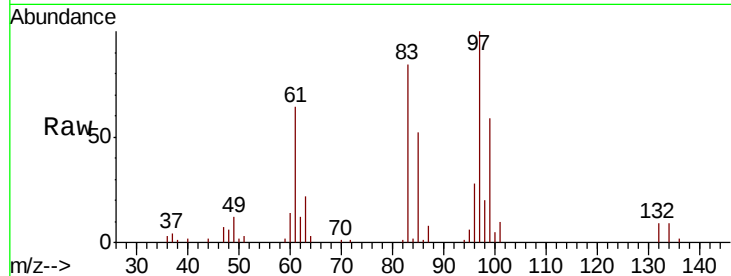




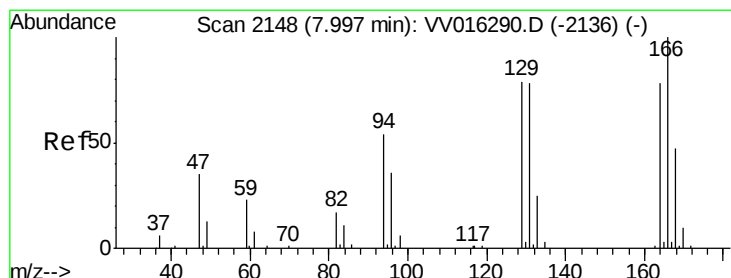
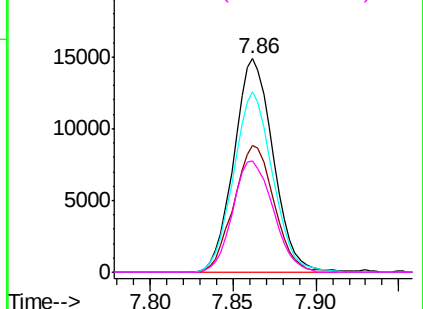
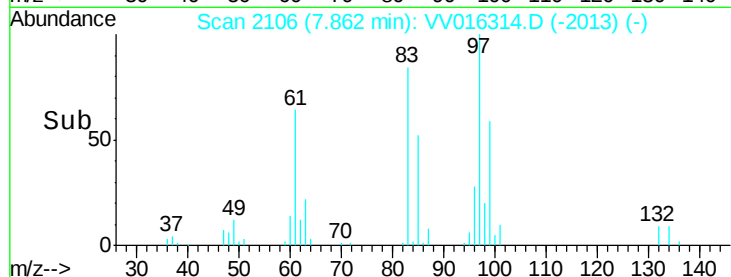
#47
1,1,2-Trichloroethane
Concen: 5.432 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	24614
Ion	Ratio	Lower	Upper
97	100		
99	59.1	40.8	75.8
83	84.2	60.0	111.4
85	52.2	39.3	73.1

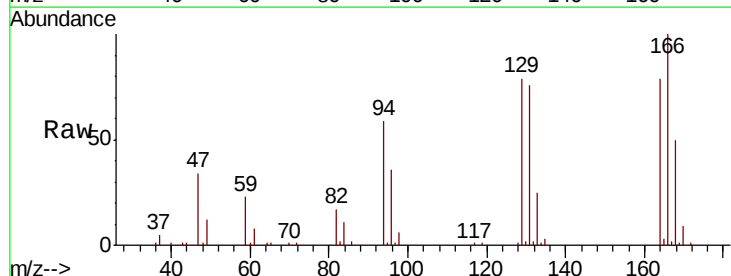


Abundance Ion 96.95 (96.65 to 97.65): VV016314.D (-2013) (-)

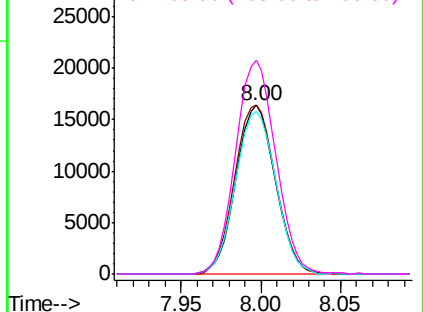
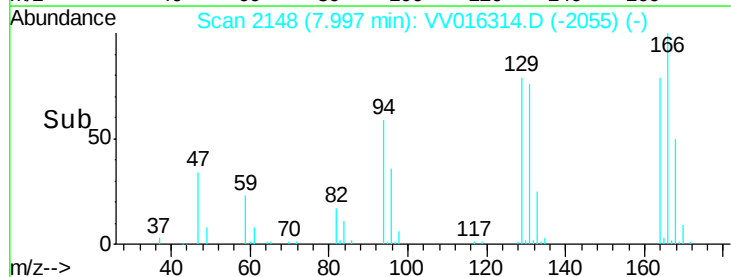


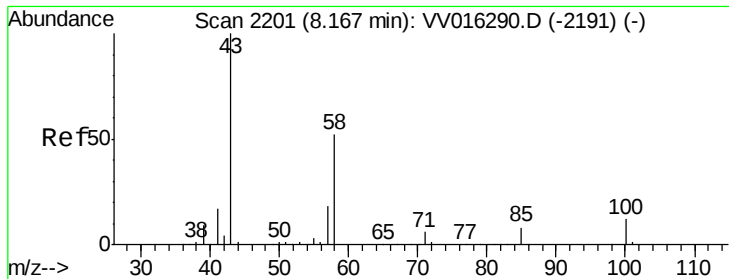
#49
Tetrachloroethene
Concen: 5.239 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion:	164	Resp:	27526
Ion	Ratio	Lower	Upper
164	100		
129	100.5	70.7	131.3
131	96.8	66.6	123.8
166	126.8	86.9	161.5



Abundance Ion 163.90 (163.60 to 164.60): VV016314.D (-2055) (-)

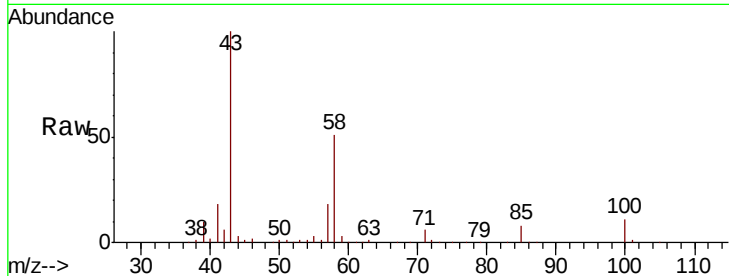




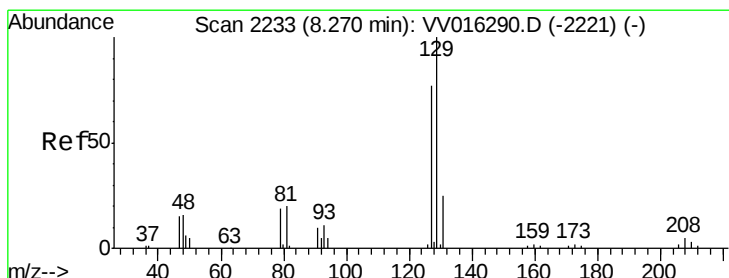
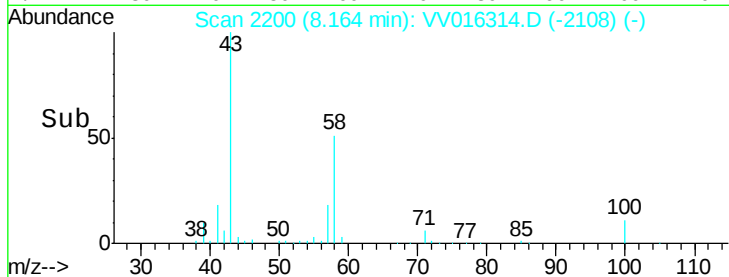
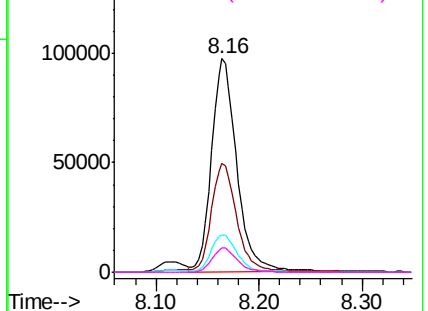
#50
2-Hexanone
Concen: 55.229 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 165098
Ion Ratio Lower Upper
43 100
58 51.1 41.4 62.0
57 17.8 15.0 22.4
100 11.5 9.0 13.4

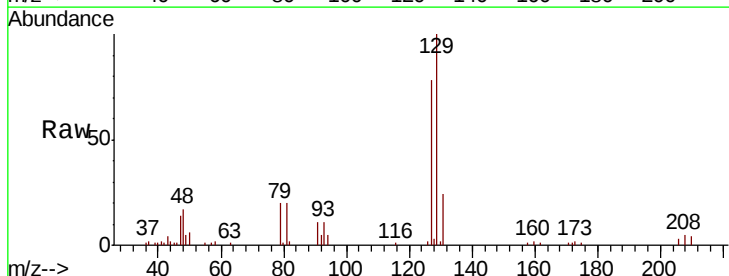


Abundance Ion 43.05 (42.75 to 43.75): VV016314.D (-2191) (-)
Ion 58.05 (57.75 to 58.75): VV016314.D (-2191) (-)
Ion 57.20 (56.90 to 57.90): VV016314.D (-2191) (-)
Ion 100.15 (99.85 to 100.85): VV016314.D (-2191) (-)

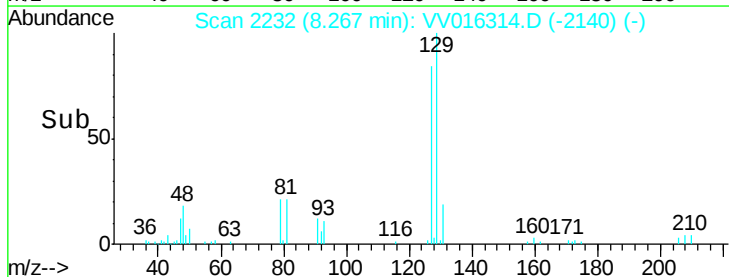
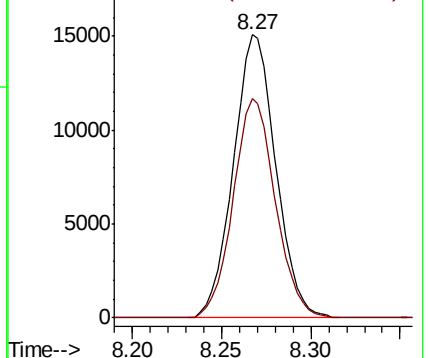


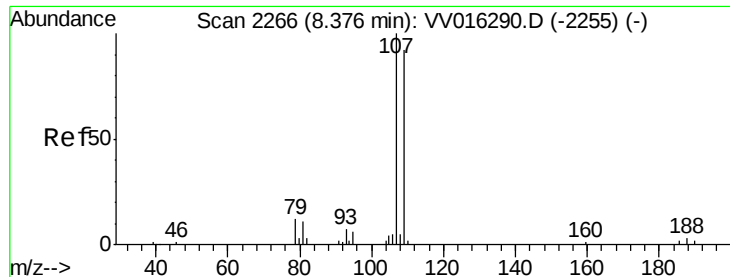
#51
Dibromochloromethane
Concen: 5.215 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion: 129 Resp: 25029
Ion Ratio Lower Upper
129 100
127 77.5 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV016314.D (-2221) (-)
Ion 126.90 (126.60 to 127.60): VV016314.D (-2221) (-)

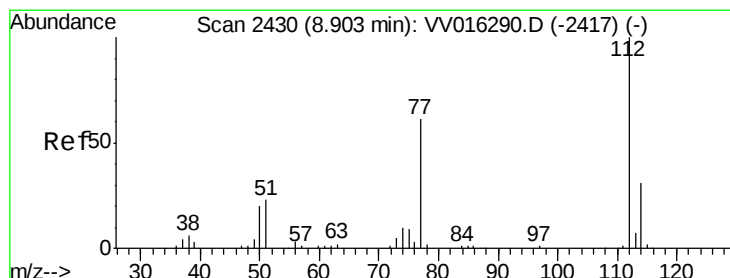
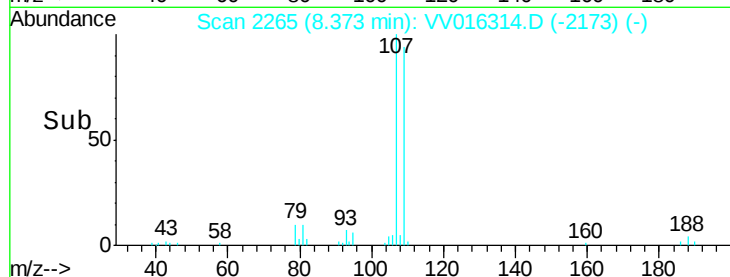
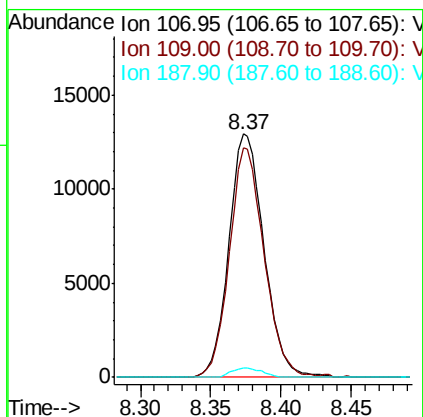
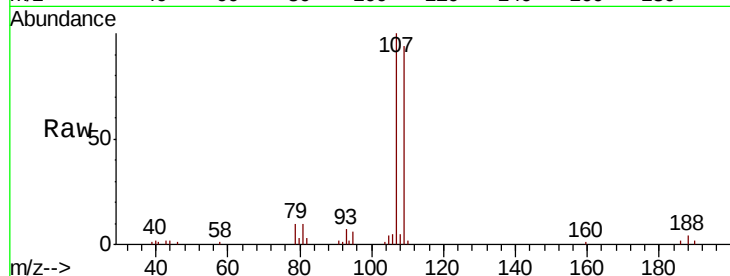




#52
1,2-Dibromoethane
Concen: 5.300 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

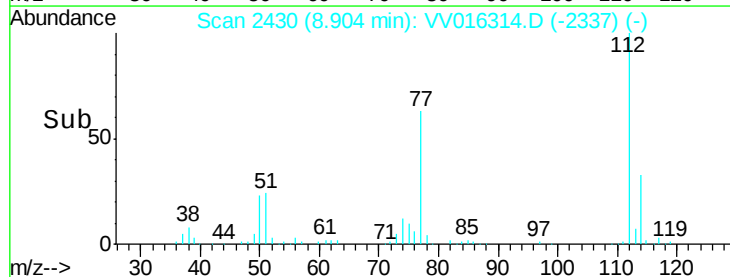
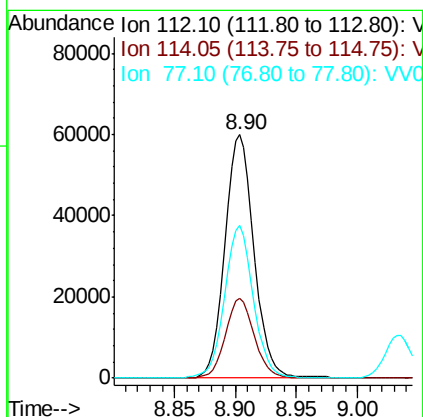
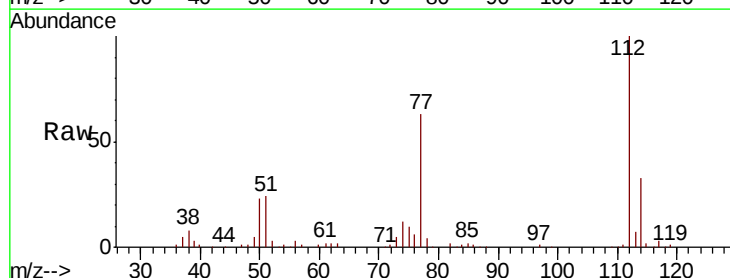
Instrument :
MSVOA_V
ClientSampleId :

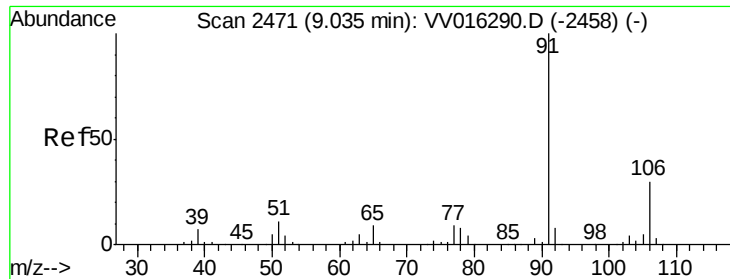
Tot Ion:107 Resp: 22565
Ion Ratio Lower Upper
107 100
109 94.3 63.1 117.3
188 3.6 2.6 4.0



#53
Chlorobenzene
Concen: 5.284 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion:112 Resp: 100023
Ion Ratio Lower Upper
112 100
114 32.8 22.3 41.3
77 62.6 50.7 76.1





#54

Ethylbenzene

Concen: 5.358 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

Instrument :

MSVOA_V

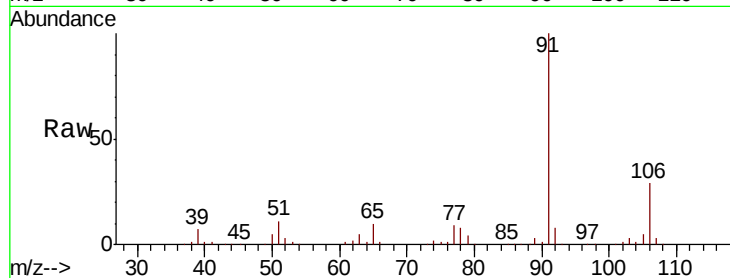
ClientSampleId :

Tot Ion: 91 Resp: 182969

Ion Ratio Lower Upper

91 100

106 29.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016314.D (-2378) (-)

Ion 106.15 (105.85 to 106.85): VV016314.D (-2378) (-)

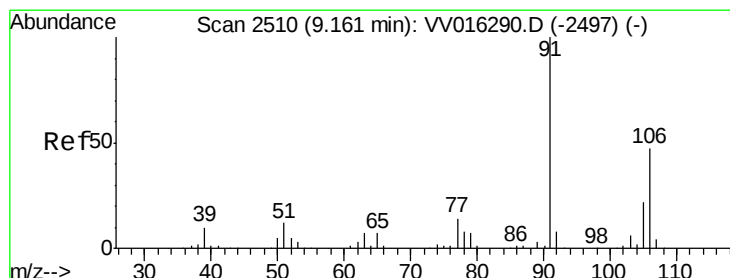
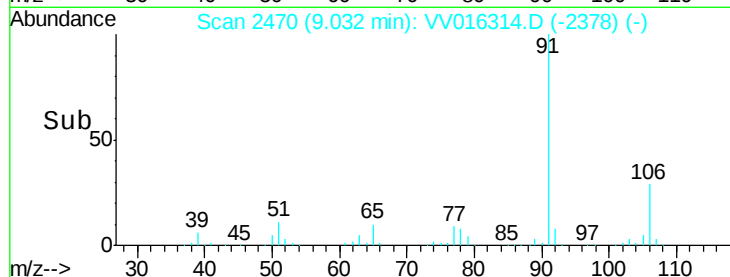
9.03

100000

50000

0

Time-->



#55

m,p-xylene

Concen: 5.342 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016314.D

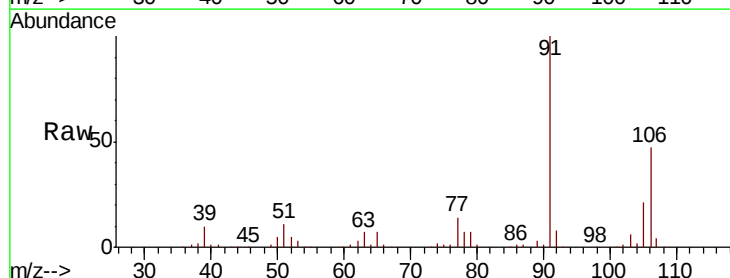
Acq: 29 May 2020 11:55

Tgt Ion:106 Resp: 68400

Ion Ratio Lower Upper

106 100

91 213.6 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016314.D (-2417) (-)

Ion 91.15 (90.85 to 91.85): VV016314.D (-2417) (-)

9.16

100000

80000

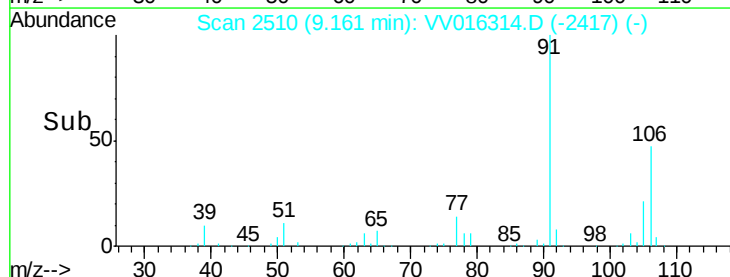
60000

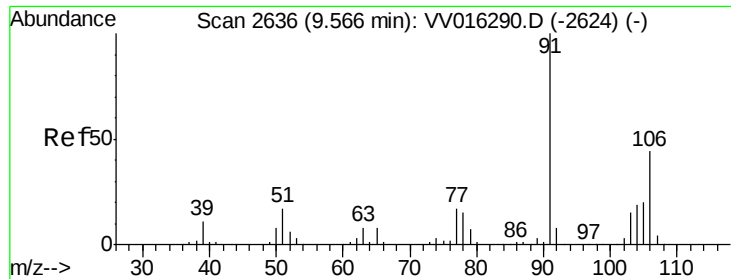
40000

20000

0

Time-->

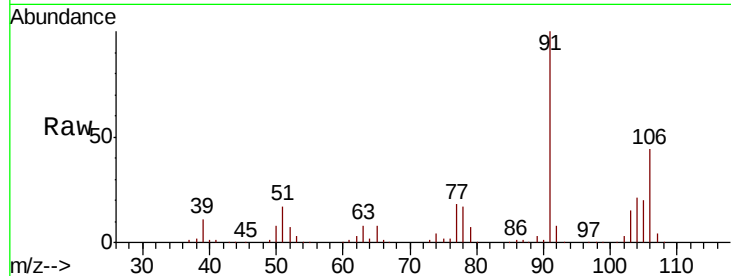




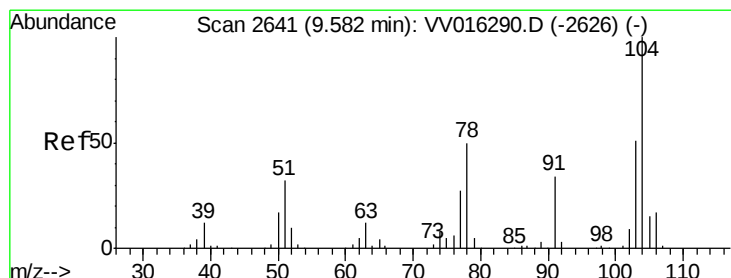
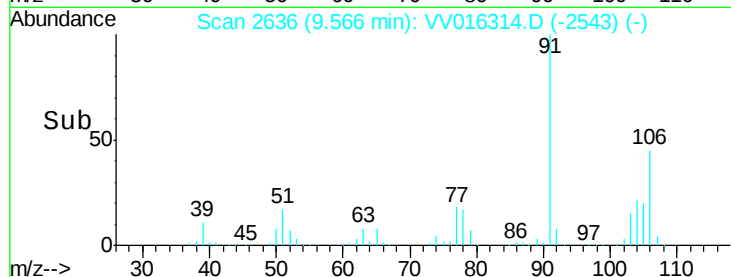
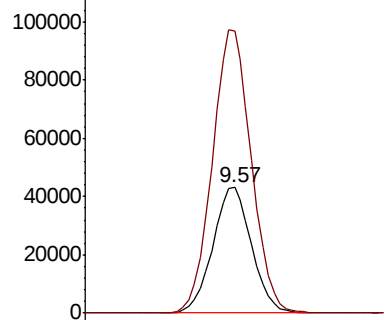
#56
o-xylene
Concen: 5.352 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 65310
Ion Ratio Lower Upper
106 100
91 224.7 158.8 294.8

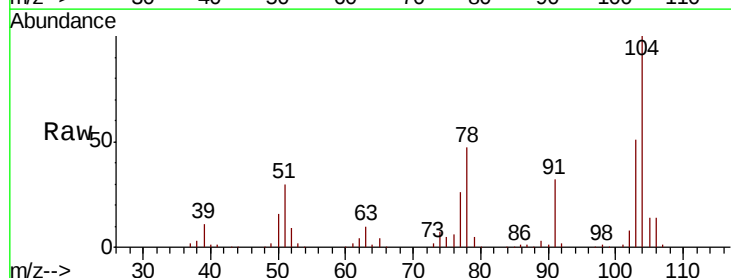


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

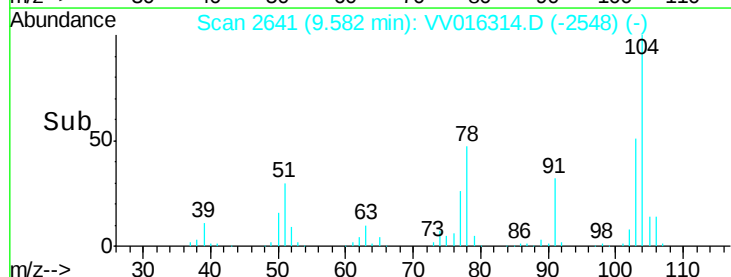
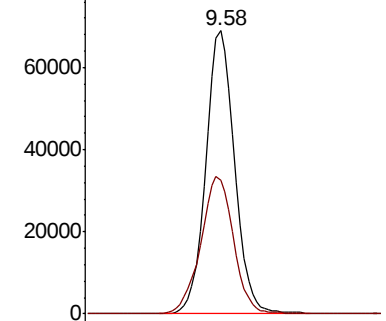


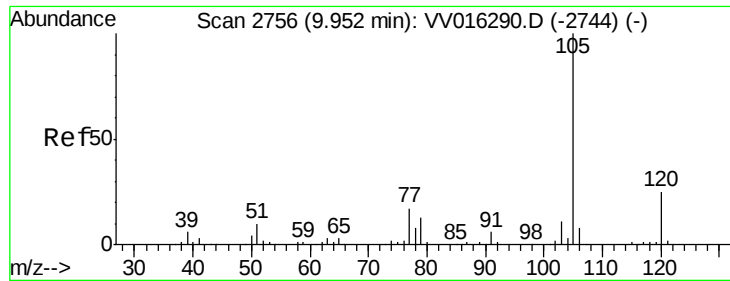
#57
Styrene
Concen: 5.411 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016314.D
Acq: 29 May 2020 11:55

Tgt Ion:104 Resp: 109872
Ion Ratio Lower Upper
104 100
78 47.4 33.2 61.7



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





#58

Isopropylbenzene

Concen: 5.387 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

Instrument :
MSVOA_V
ClientSampleId :

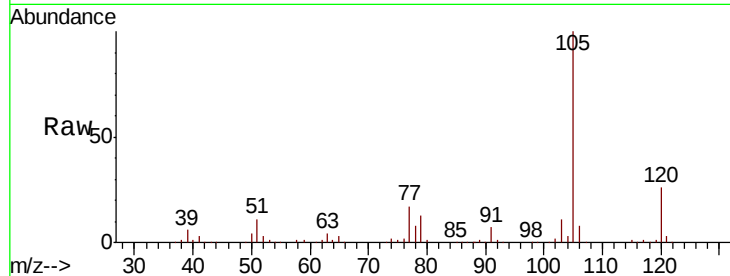
Tot Ion:105 Resp: 180073

Ion Ratio Lower Upper

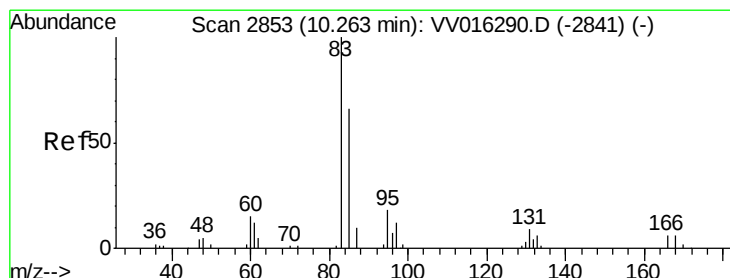
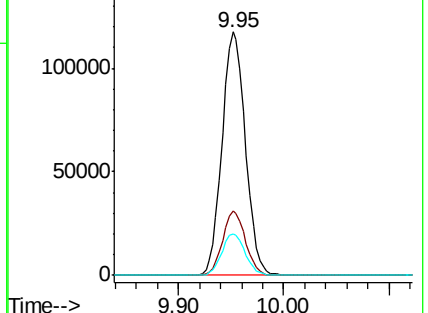
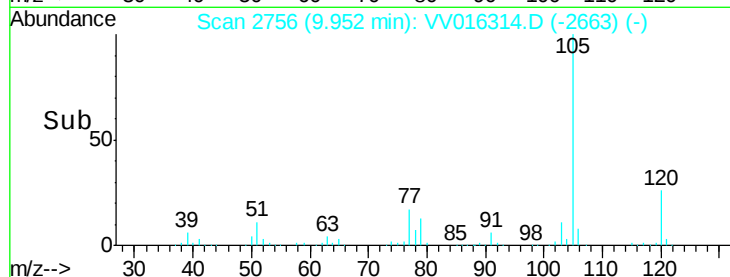
105 100

120 25.8 20.9 31.3

77 17.1 13.9 20.9



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



#60

1,1,2,2-Tetrachloroethane

Concen: 5.251 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

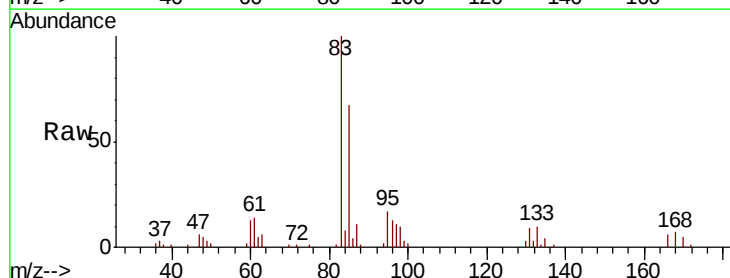
Tgt Ion: 83 Resp: 29584

Ion Ratio Lower Upper

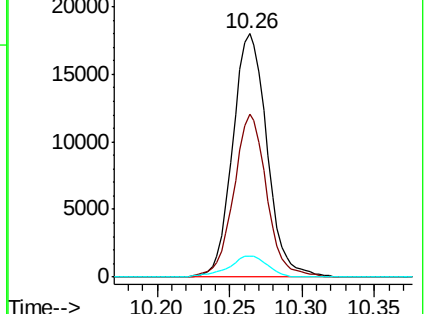
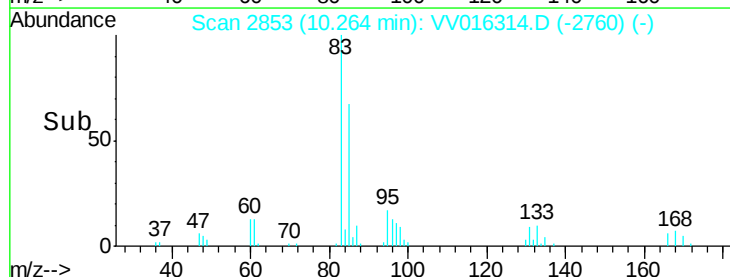
83 100

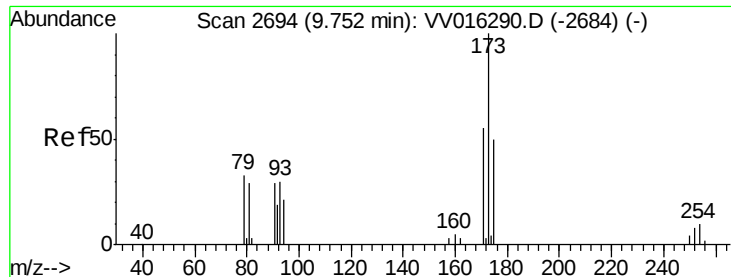
85 66.8 45.6 84.8

131 8.6 7.9 11.9



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: 5.234 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

Instrument :
MSVOA_V
ClientSampleId :

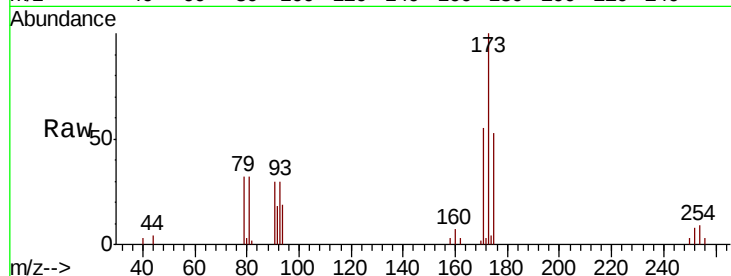
Tot Ion:173 Resp: 10557

Ion Ratio Lower Upper

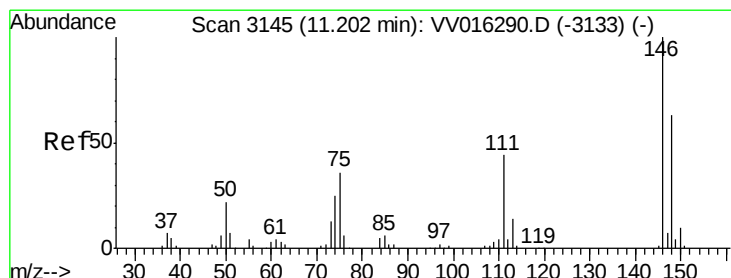
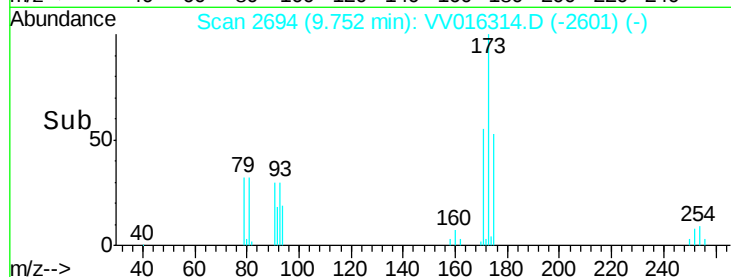
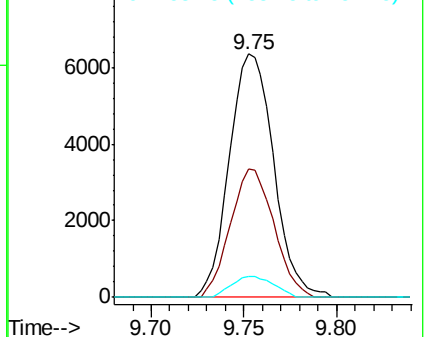
173 100

175 51.7 38.6 58.0

254 8.1 6.6 9.8



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: 5.441 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

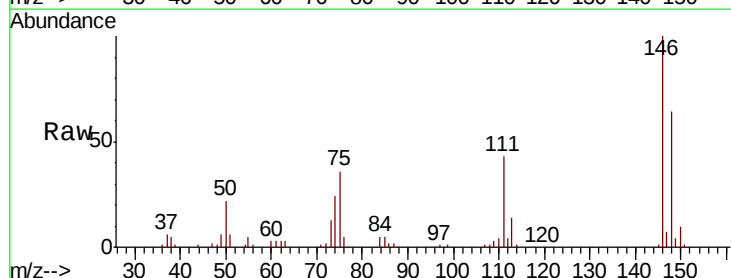
Tgt Ion:146 Resp: 77878

Ion Ratio Lower Upper

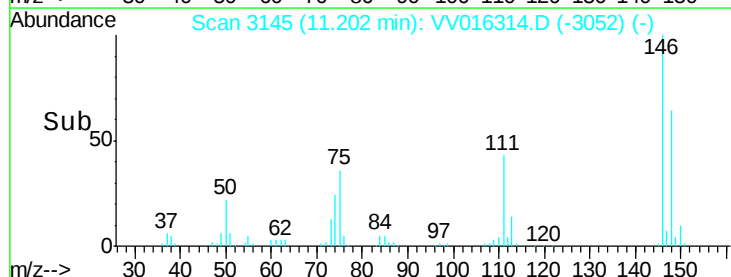
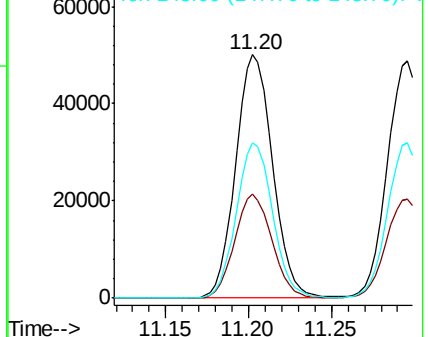
146 100

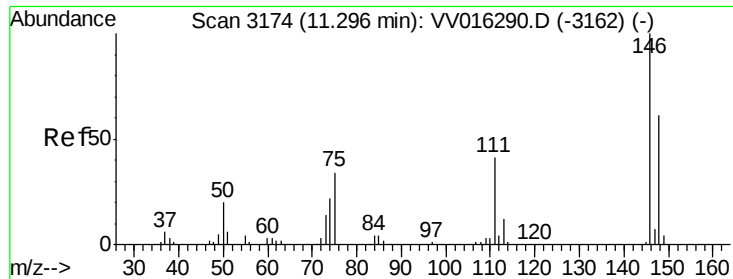
111 42.7 29.7 55.1

148 64.0 45.9 85.3



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





#64

1,4-Dichlorobenzene

Concen: 5.316 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

Instrument :

MSVOA_V

ClientSampled :

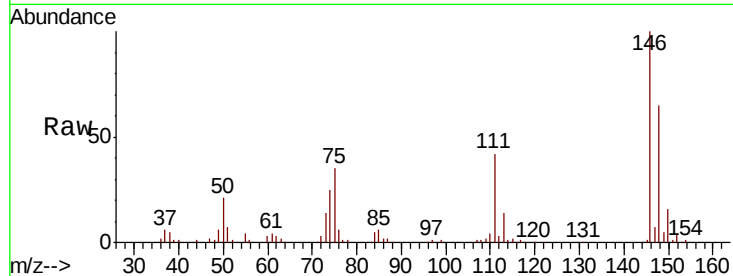
Tot Ion:146 Resp: 77331

Ion Ratio Lower Upper

146 100

111 42.0 28.3 52.7

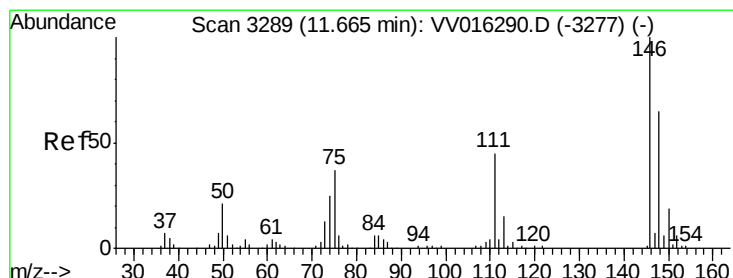
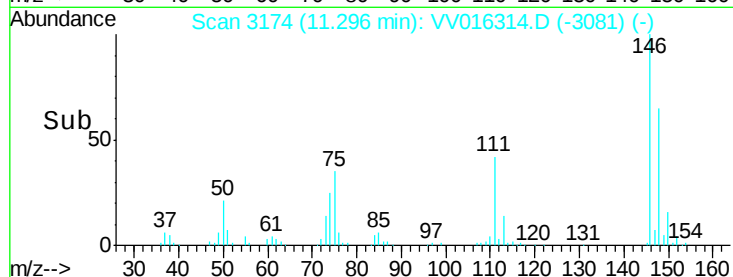
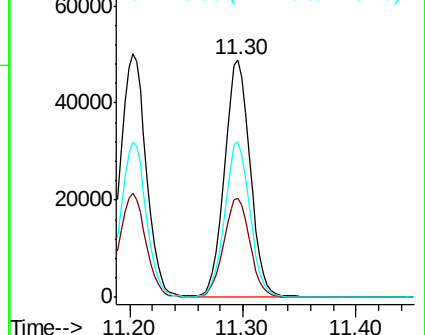
148 65.4 43.3 80.3



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



#66

1,2-Dichlorobenzene

Concen: 5.398 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016314.D

Acq: 29 May 2020 11:55

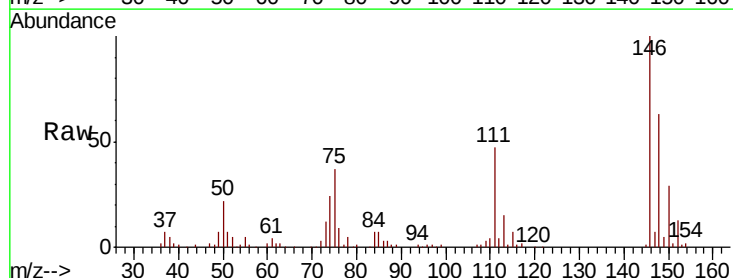
Tgt Ion:146 Resp: 69845

Ion Ratio Lower Upper

146 100

111 46.5 35.7 53.5

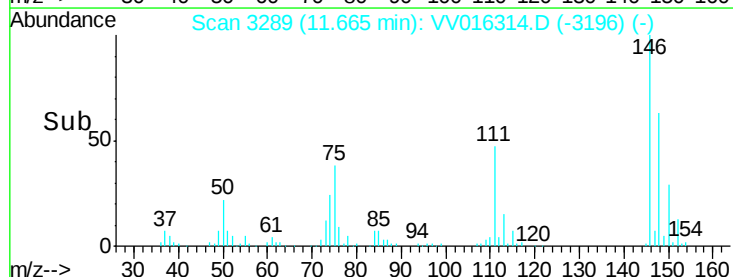
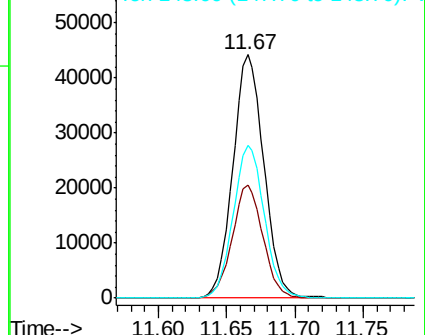
148 62.5 51.3 76.9

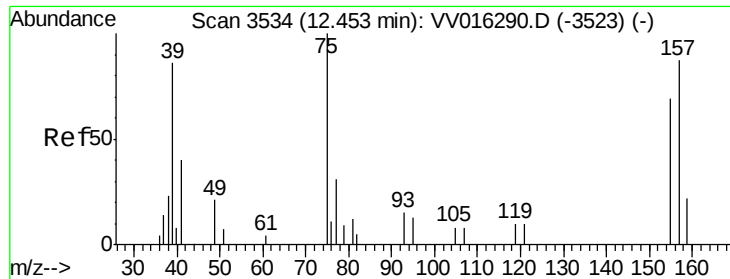


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

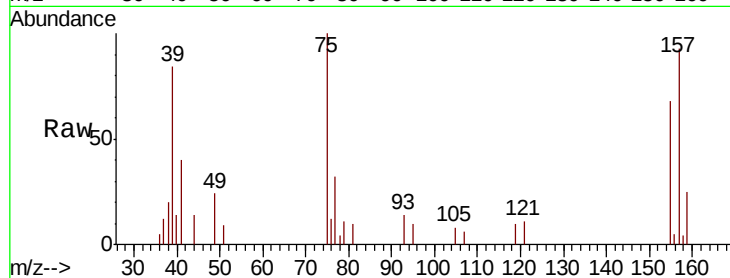




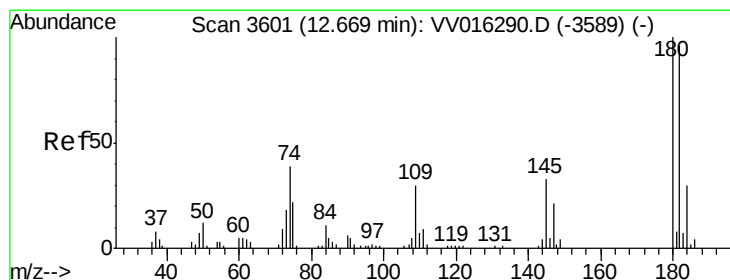
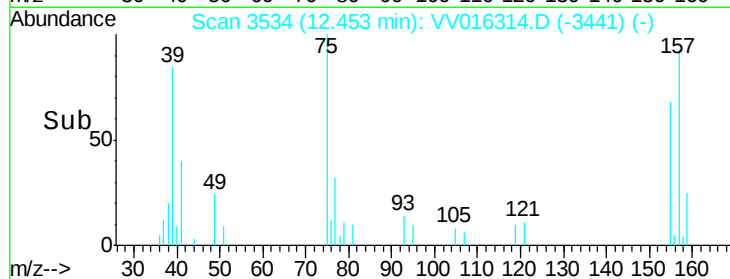
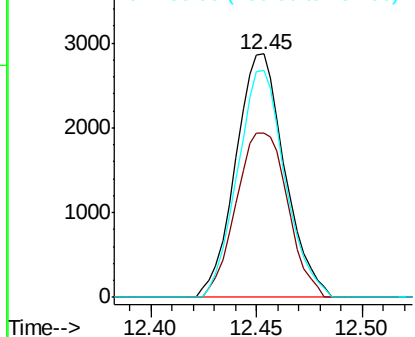
#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.309 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 4640
 Ion Ratio Lower Upper
 75 100
 155 67.6 56.2 84.4
 157 93.5 71.9 107.9

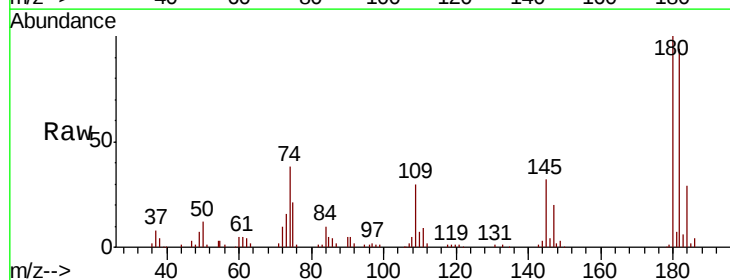


Abundance Ion 75.05 (74.75 to 75.75): VV016290.D (-3523) (-)
 Ion 154.95 (154.65 to 155.65): VV016290.D (-3523) (-)
 Ion 156.90 (156.60 to 157.60): VV016290.D (-3523) (-)

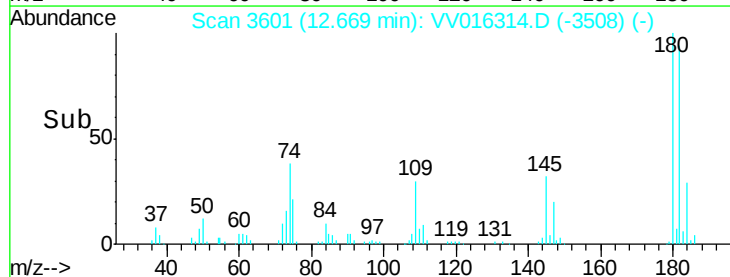
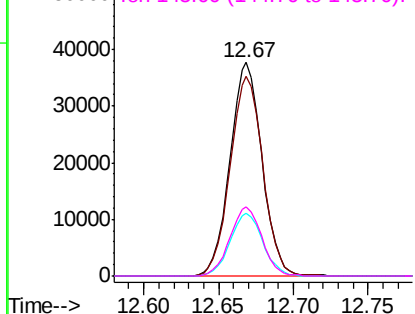


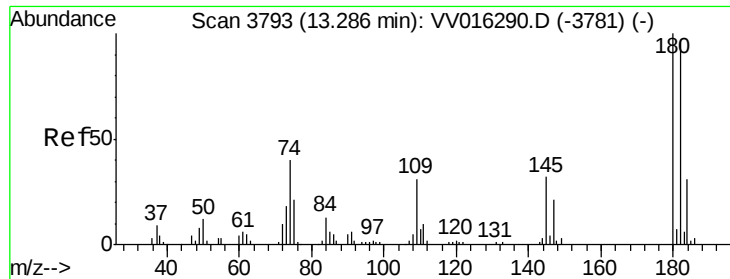
#68
 1,3,5-Trichlorobenzene
 Concen: 5.537 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Tgt Ion: 180 Resp: 56089
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.1 115.7
 184 29.9 25.0 37.4
 145 32.1 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): VV016290.D (-3589) (-)
 Ion 182.00 (181.70 to 182.70): VV016290.D (-3589) (-)
 Ion 184.00 (183.70 to 184.70): VV016290.D (-3589) (-)
 Ion 145.00 (144.70 to 145.70): VV016290.D (-3589) (-)

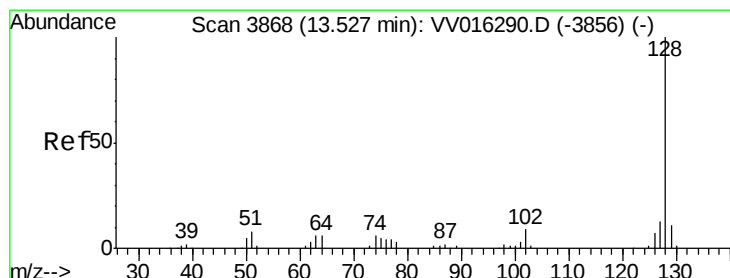
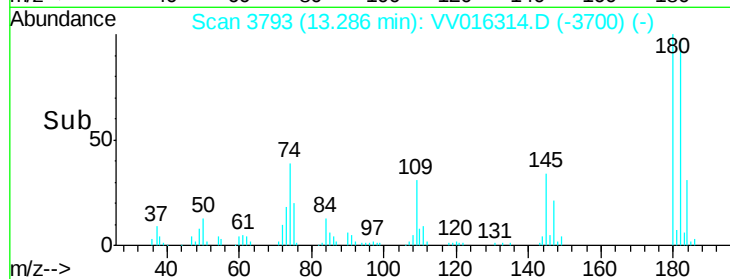
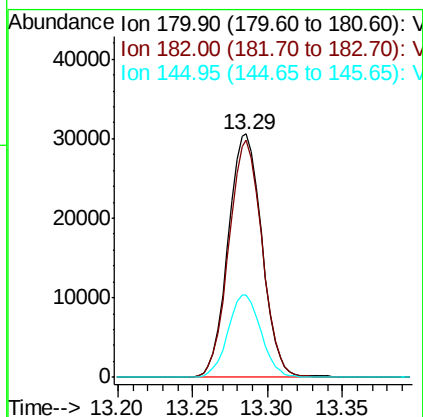
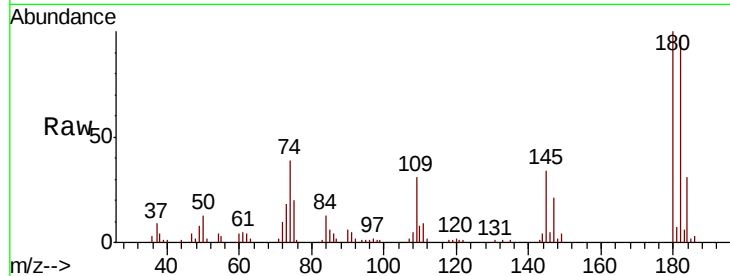




#69
 1,2,4-trichlorobenzene
 Concen: 5.404 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

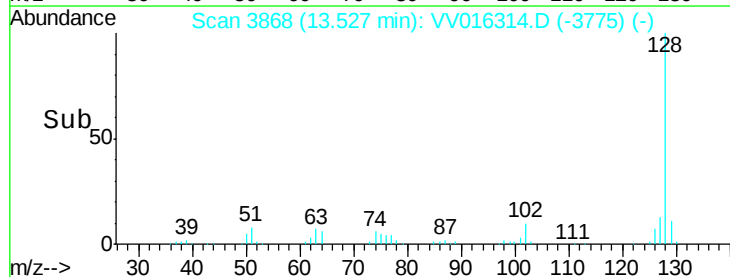
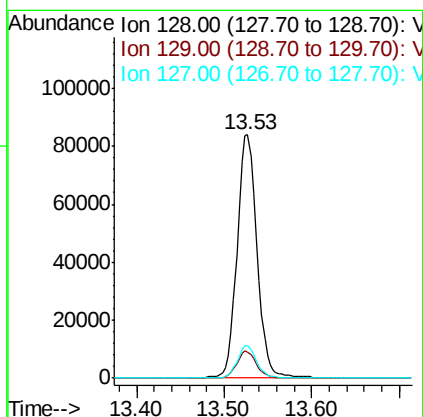
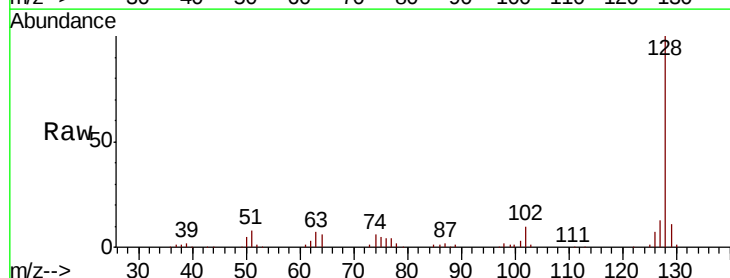
Instrument :
 MSVOA_V
 ClientSampleId :

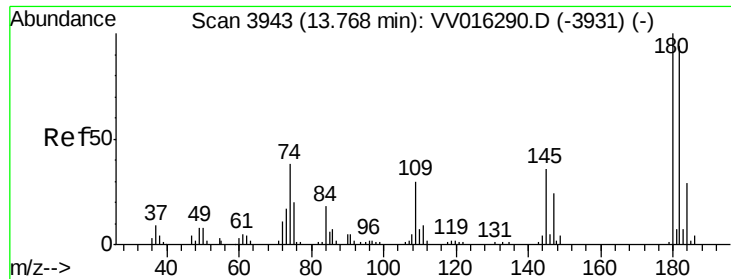
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.4
145	33.2	27.1	40.7



#70
 Naphthalene
 Concen: 6.877 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	12.9	10.6	15.8

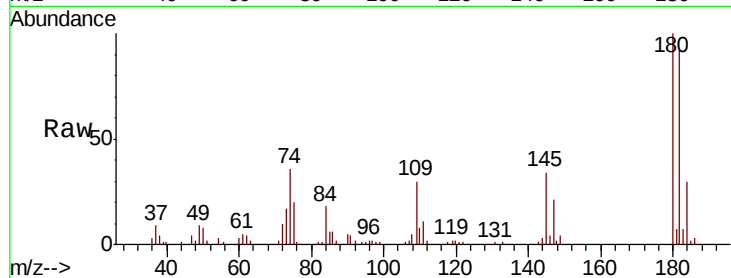




#71
 1,2,3-Trichlorobenzene
 Concen: 5.344 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016314.D
 Acq: 29 May 2020 11:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 42871
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.1 115.7
 145 34.9 28.6 42.8



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

