

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016299.D
 Acq On : 29 May 2020 01:06
 Operator : SY/MD
 Sample : L2662-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 04:25:14 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	84620	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	82172	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	36922	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21159	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.58	69	20748	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.13	63	34369	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.94	46	73941	54.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.70%
24) Chloroform-d	4.38	84	45095	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.06	65	27217	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.08	84	94509	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.10	67	30316	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.34	98	84749	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
45) trans-1,3-Dichloropropene-	7.65	79	9374	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
48) 2-Hexanone-d5	8.12	63	51125	47.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.98%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21156	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	30198	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	59402	8.016	ug/L	99
8) Chloroethane	1.60	64	4121	0.995	ug/L	88
12) 1,1-Dichloroethene	2.14	96	4380	0.878	ug/L #	1
13) Acetone	2.21	43	1178	1.412	ug/L	85
18) trans-1,2-Dichloroethene	2.78	96	8676	1.588	ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	395268	61.188	ug/L	99
25) Chloroform	4.41	83	4507	0.410	ug/L	95
27) 1,2-Dichloroethane	5.17	62	1005	0.140	ug/L #	79
33) Benzene	5.13	78	19243	0.814	ug/L	100
34) Trichloroethene	5.94	95	987892	160.367	ug/L	98
35) Methylcyclohexane	6.10	83	7259	0.699	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	3634	0.627	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	803	0.098	ug/L #	53
42) Toluene	7.41	91	3245	0.126	ug/L	93
46) trans-1,3-Dichloropropene	7.65	75	455	0.067	ug/L #	78
50) 2-Hexanone	8.12	43	6892	2.739	ug/L #	72
53) Chlorobenzene	8.91	112	5247	0.329	ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration

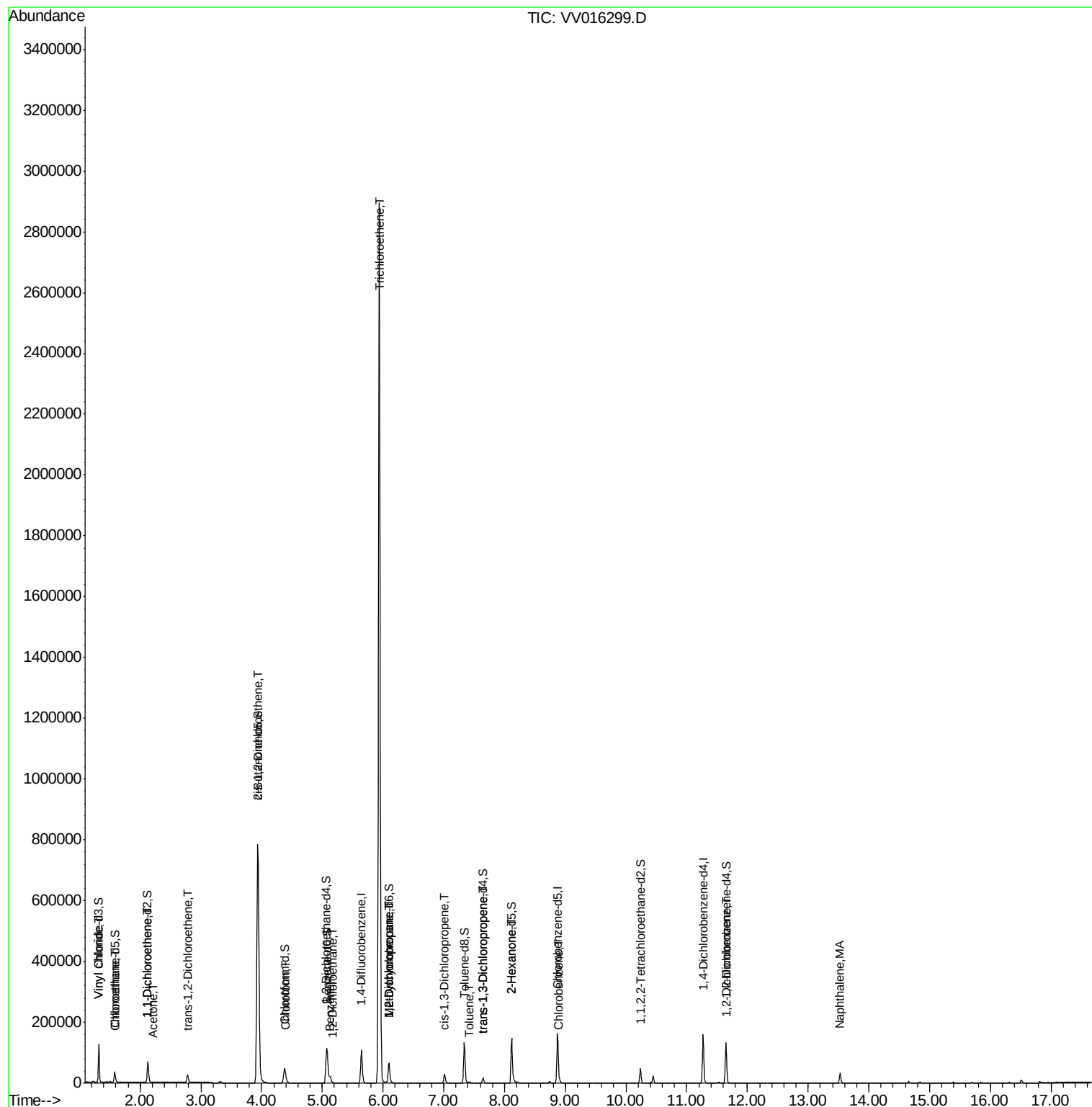
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	11.67	146	3037	0.298	ug/L	88
70) Naphthalene	13.53	128	26404	1.726	ug/L	100

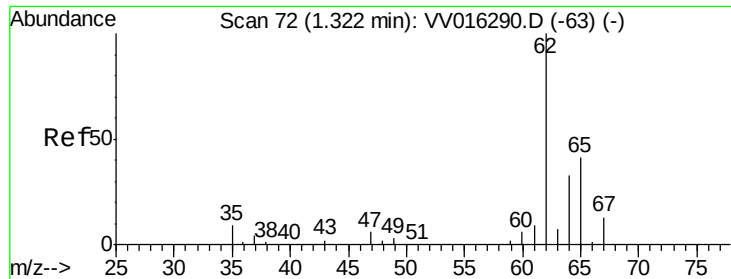
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.016 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016299.D

Acq: 29 May 2020 01:06

Instrument :

MSVOA_V

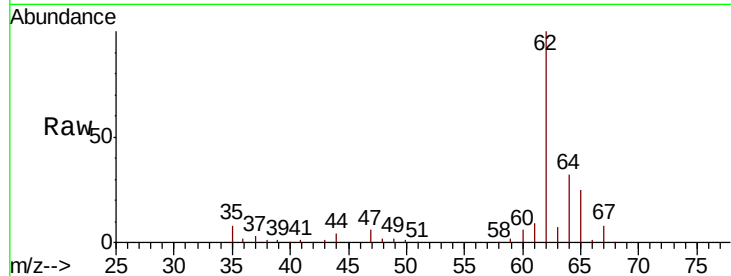
ClientSampleId :

Tot Ion: 62 Resp: 59402

Ion Ratio Lower Upper

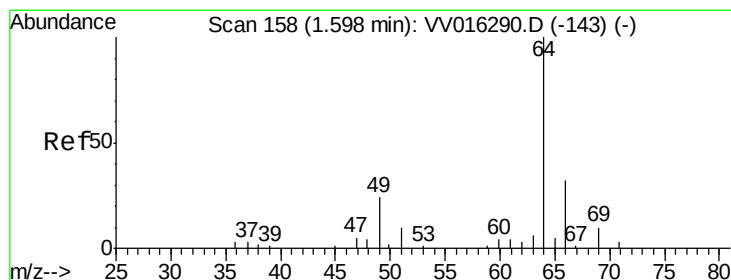
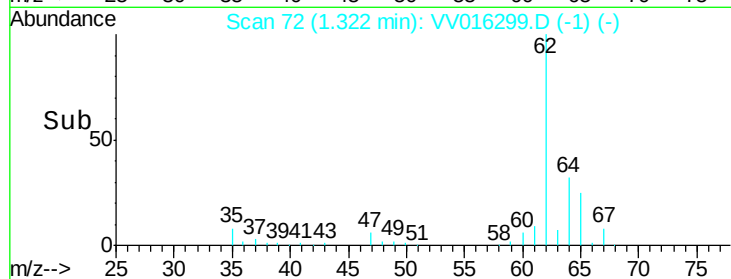
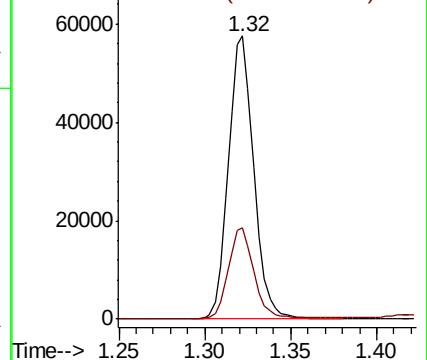
62 100

64 32.1 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.995 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016299.D

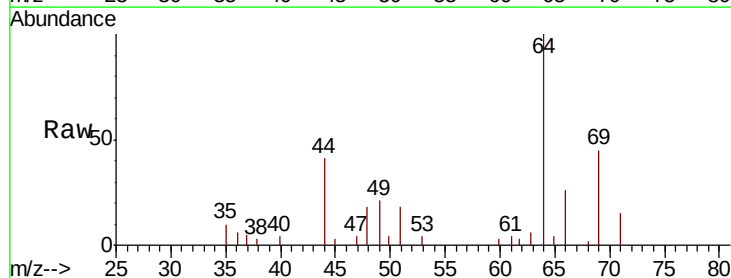
Acq: 29 May 2020 01:06

Tgt Ion: 64 Resp: 4121

Ion Ratio Lower Upper

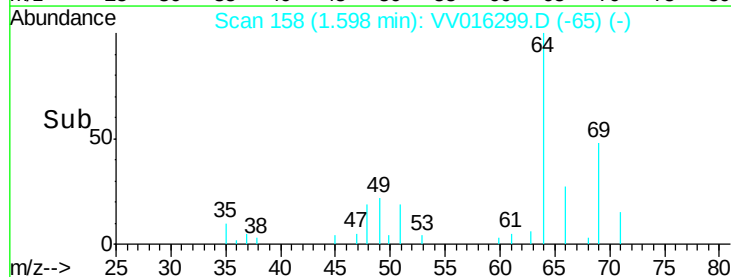
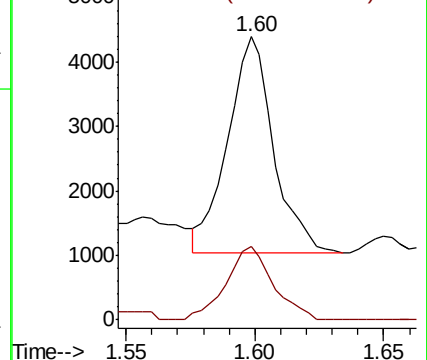
64 100

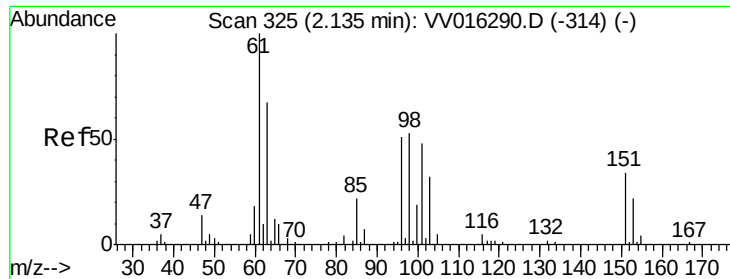
66 25.7 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

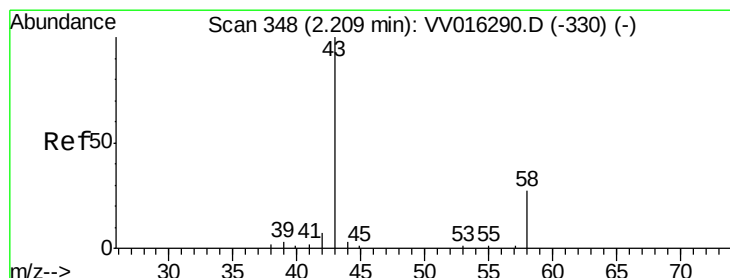
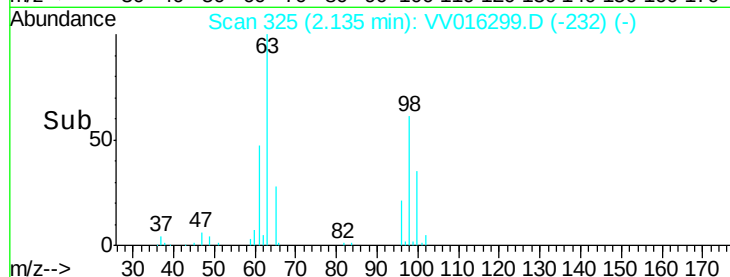
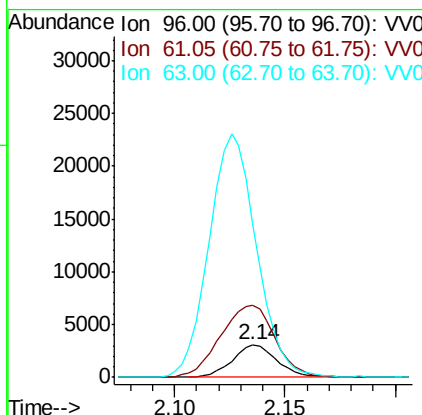
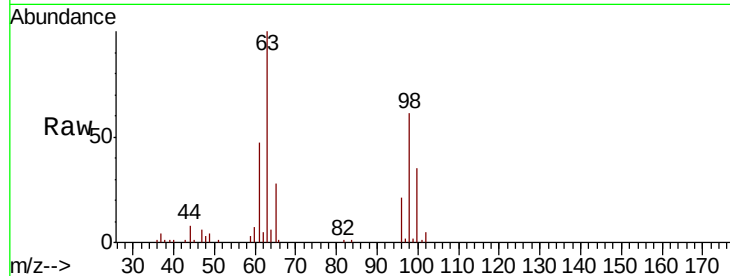




#12
 1,1-Dichloroethene
 Concen: 0.878 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV016299.D
 Acq: 29 May 2020 01:06

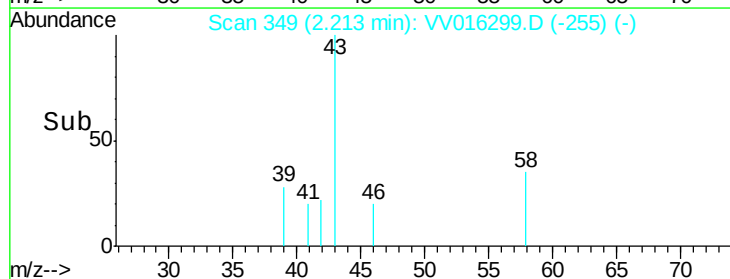
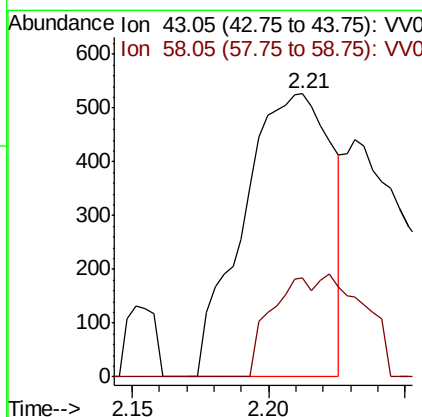
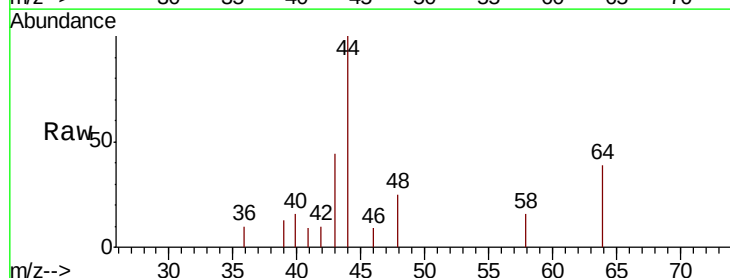
Instrument :
 MSVOA_V
 ClientSampleId :

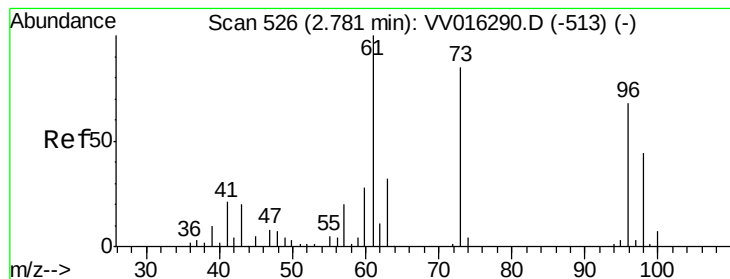
Tot Ion: 96 Resp: 4380
 Ion Ratio Lower Upper
 96 100
 61 219.8 124.9 231.9
 63 467.7 80.4 149.2#



#13
 Acetone
 Concen: 1.412 ug/L
 RT: 2.21 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VV016299.D
 Acq: 29 May 2020 01:06

Tgt Ion: 43 Resp: 1178
 Ion Ratio Lower Upper
 43 100
 58 16.9 0.0 48.8





#18

trans-1,2-Dichloroethene

Concen: 1.588 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016299.D

Acq: 29 May 2020 01:06

Instrument :
MSVOA_V
ClientSampleId :

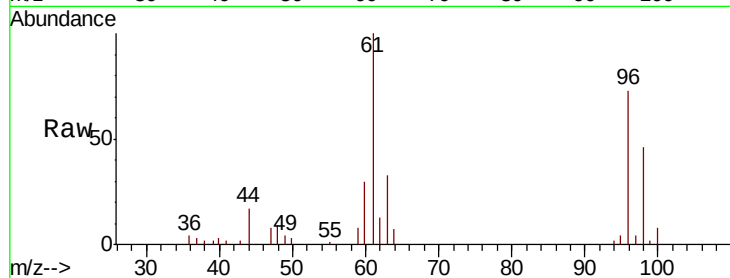
Tot Ion: 96 Resp: 8676

Ion Ratio Lower Upper

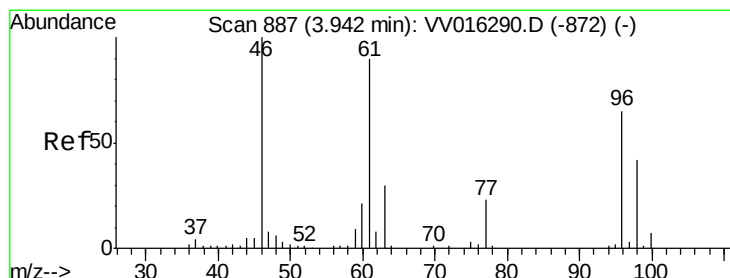
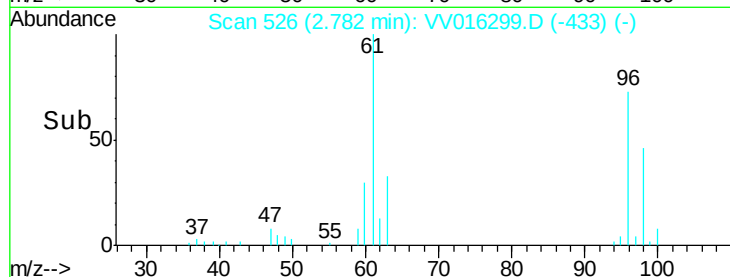
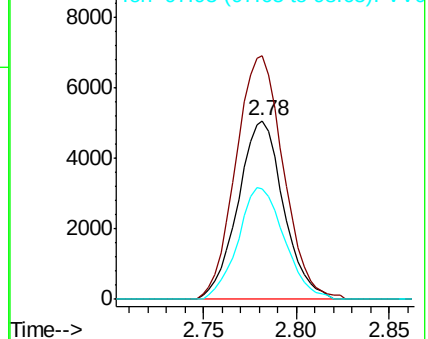
96 100

61 136.4 99.8 185.4

98 62.2 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



#22

cis-1,2-Dichloroethene

Concen: 61.188 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016299.D

Acq: 29 May 2020 01:06

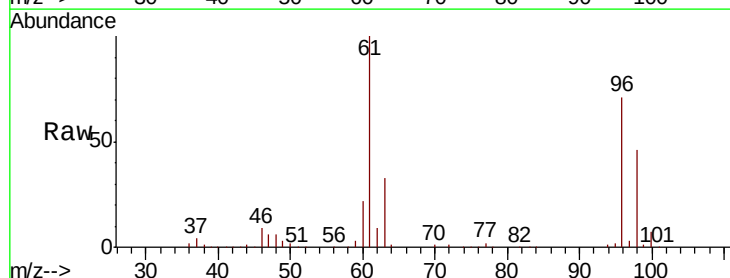
Tgt Ion: 96 Resp: 395268

Ion Ratio Lower Upper

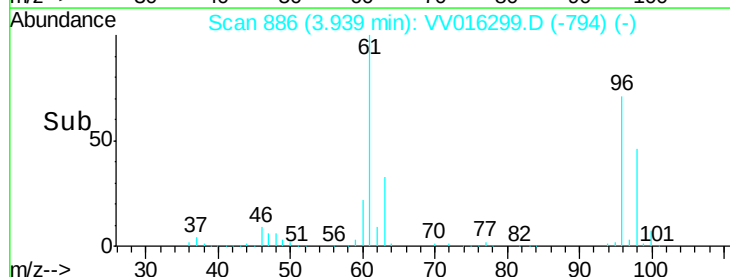
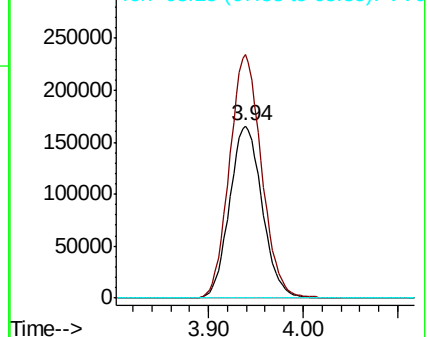
96 100

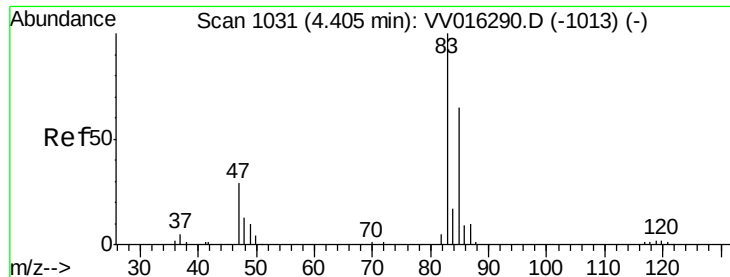
61 141.4 99.7 185.1

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

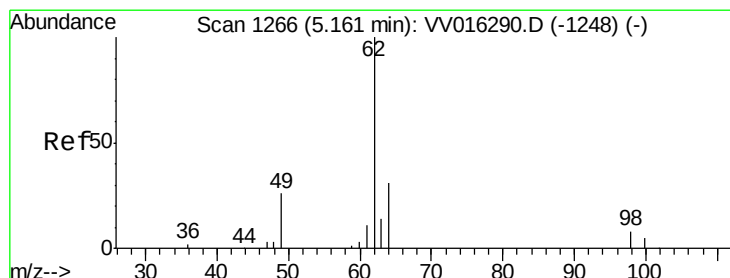
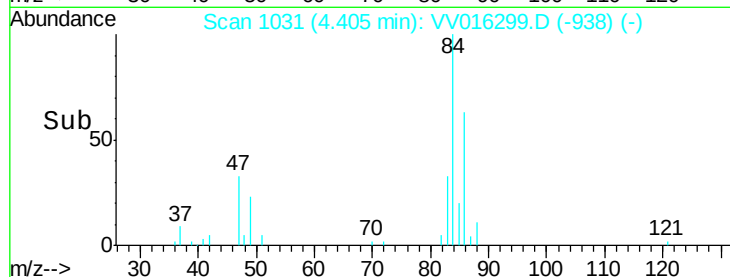
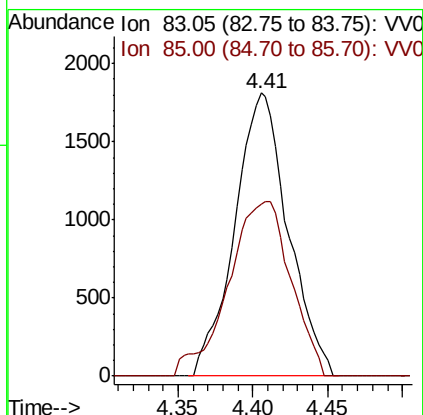
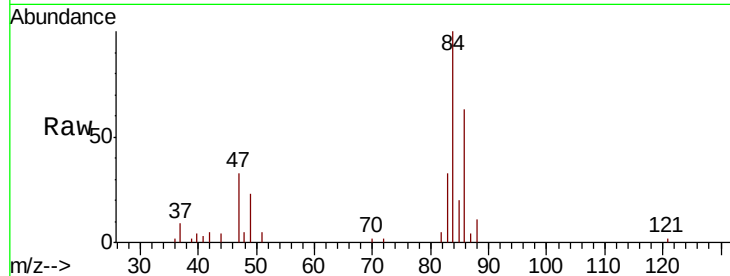




#25
Chloroform
Concen: 0.410 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016299.D
Acq: 29 May 2020 01:06

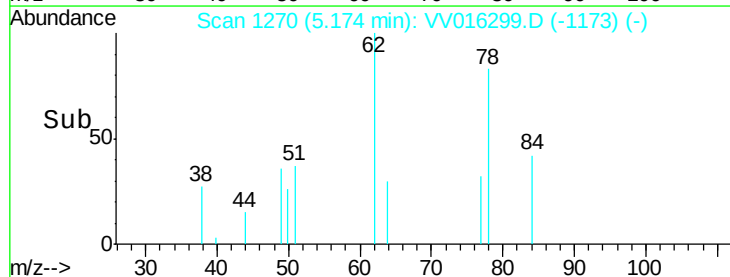
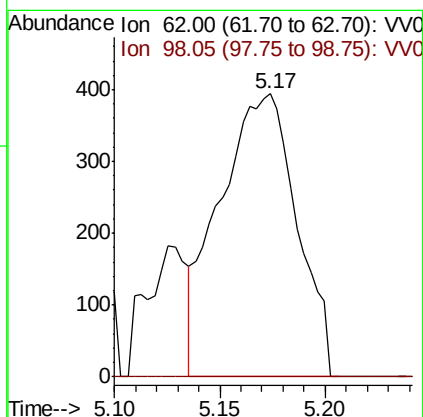
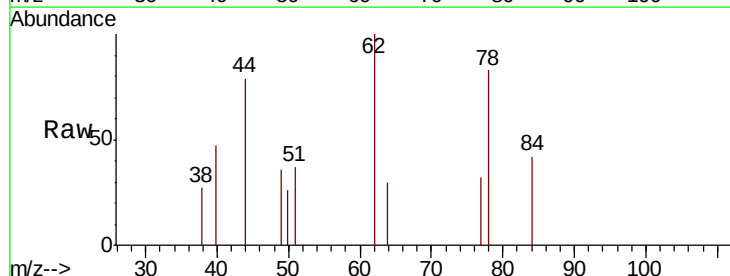
Instrument :
MSVOA_V
ClientSampled :

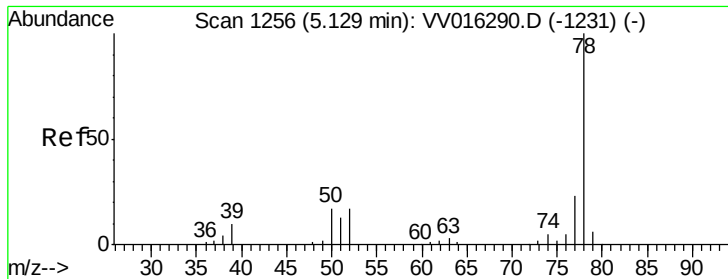
Tot Ion: 83 Resp: 4507
Ion Ratio Lower Upper
83 100
85 60.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.140 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VV016299.D
Acq: 29 May 2020 01:06

Tgt Ion: 62 Resp: 1005
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#33

Benzene

Concen: 0.814 ug/L

RT: 5.13 min Scan# 1255

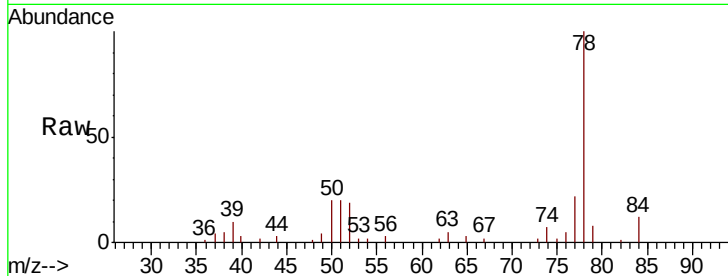
Delta R.T. -0.00 min

Lab File: VV016299.D

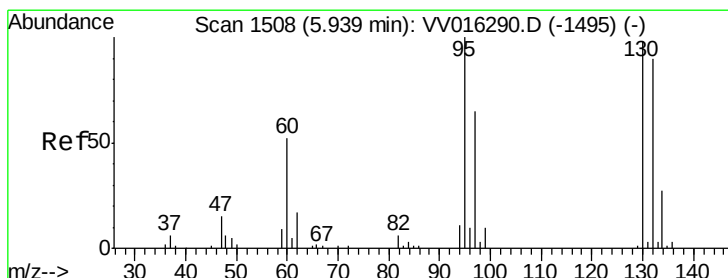
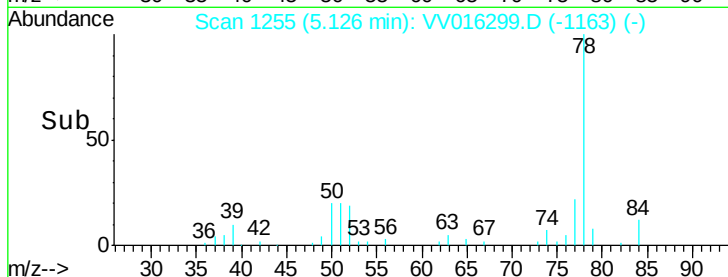
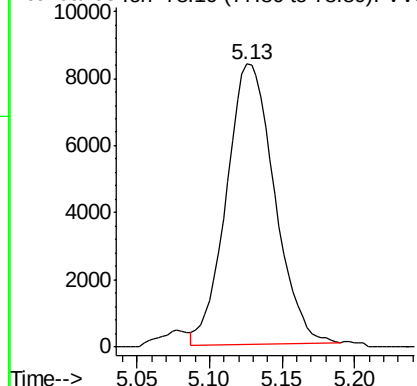
Acq: 29 May 2020 01:06

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 19243



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 160.367 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016299.D

Acq: 29 May 2020 01:06

Tgt Ion: 95 Resp: 987892

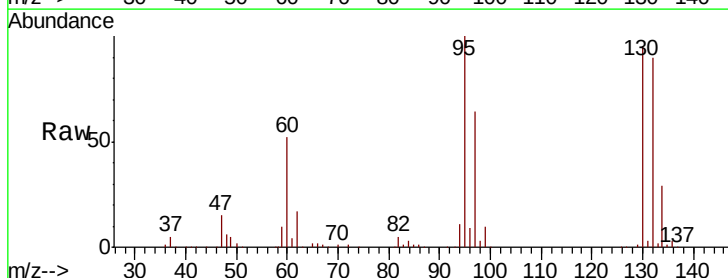
Ion Ratio Lower Upper

95 100

97 64.1 43.6 81.0

132 89.8 63.9 118.7

130 94.7 65.2 121.0

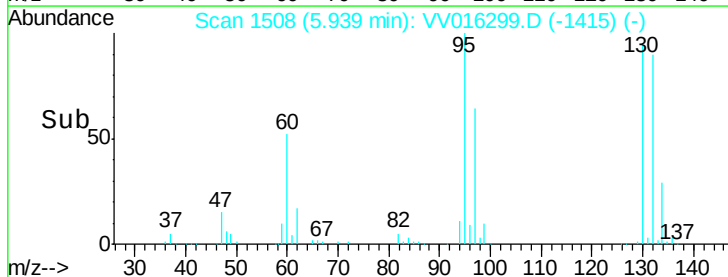
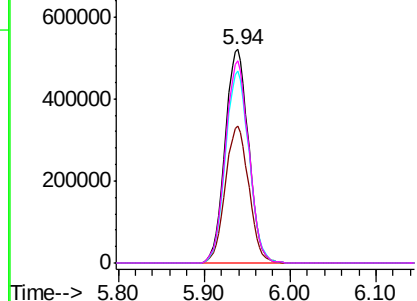


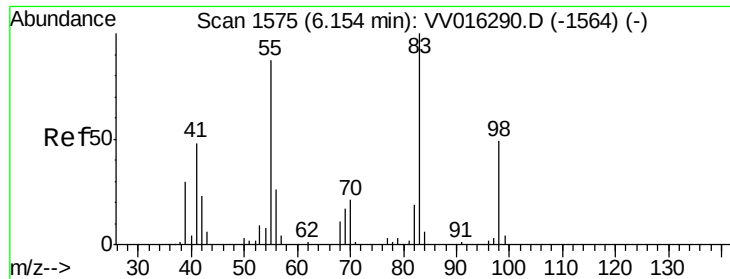
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

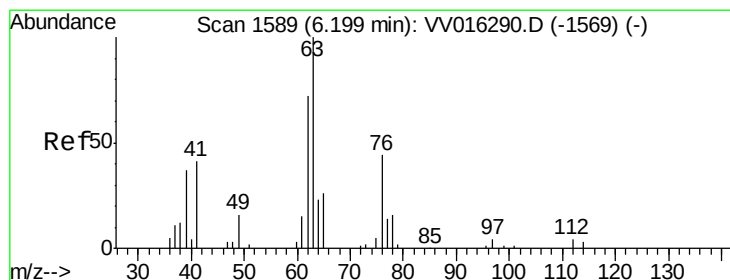
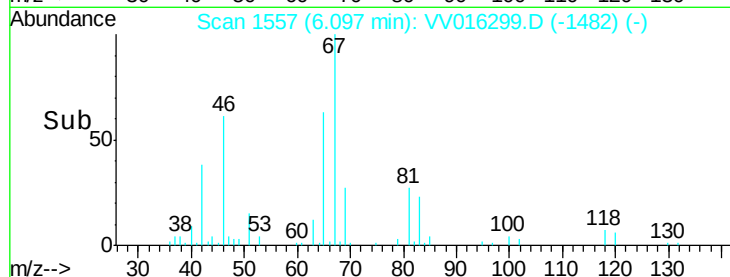
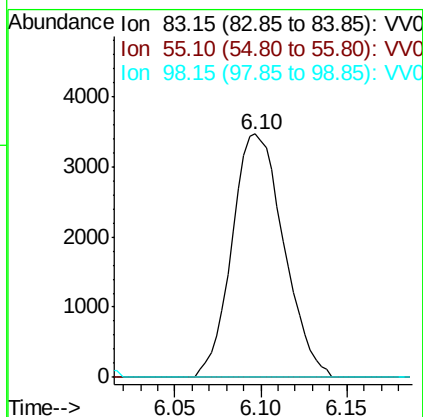
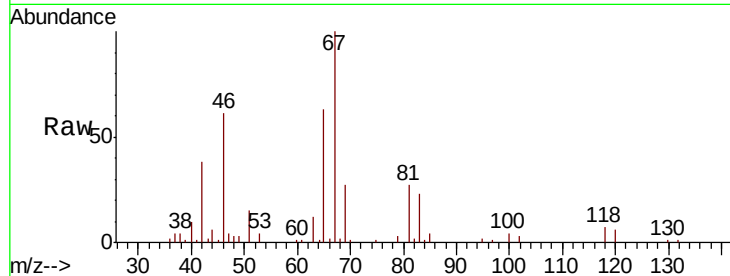




#35
Methvlcvclohexane
Concen: 0.699 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016299.D
Acq: 29 May 2020 01:06

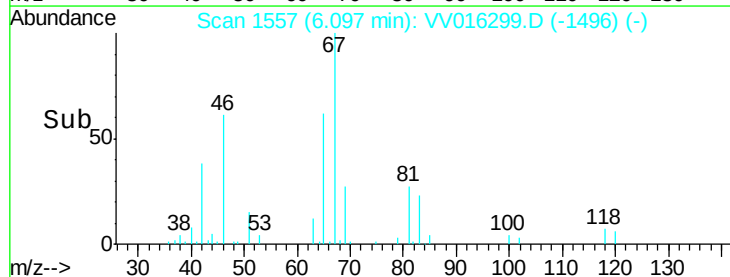
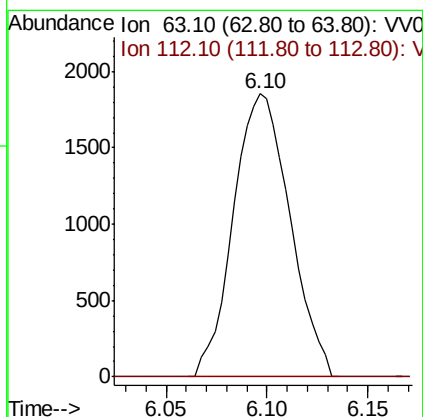
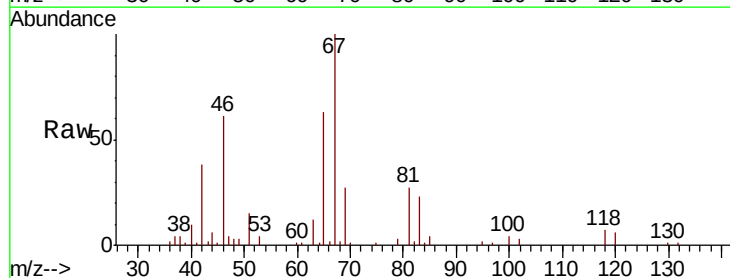
Instrument :
MSVOA_V
ClientSampleId :

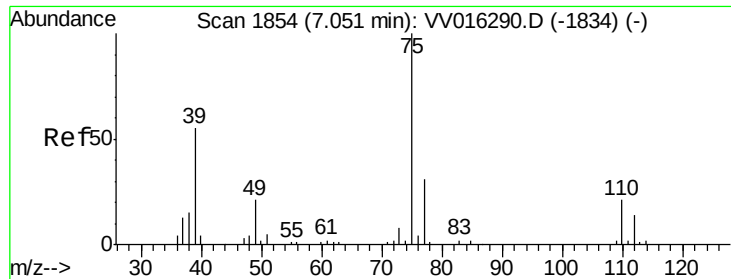
Tot Ion: 83 Resp: 7259
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.627 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016299.D
Acq: 29 May 2020 01:06

Tgt Ion: 63 Resp: 3634
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

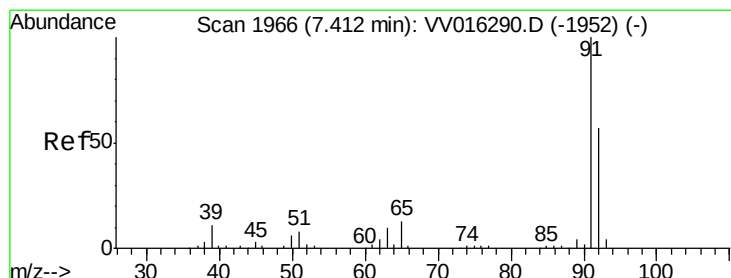
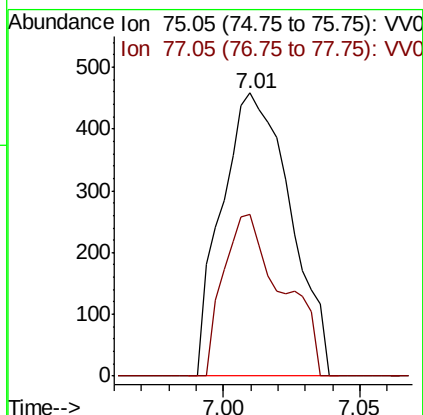
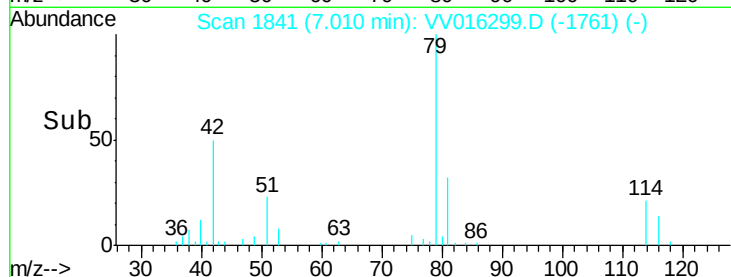
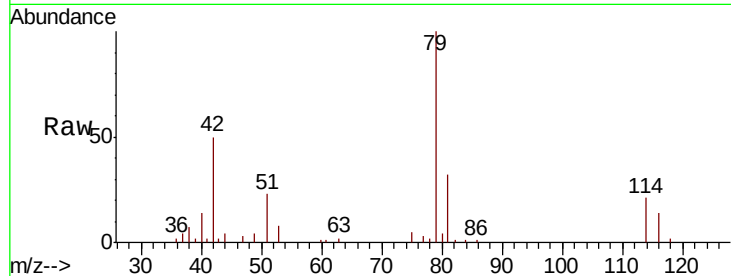




#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016299.D
 Acq: 29 May 2020 01:06

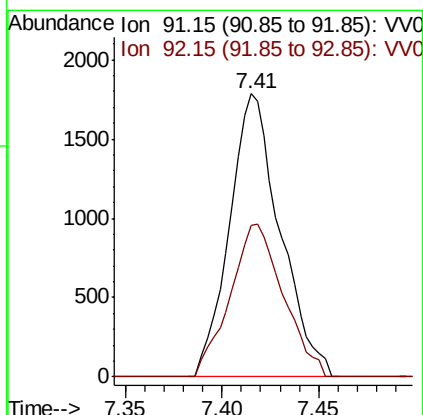
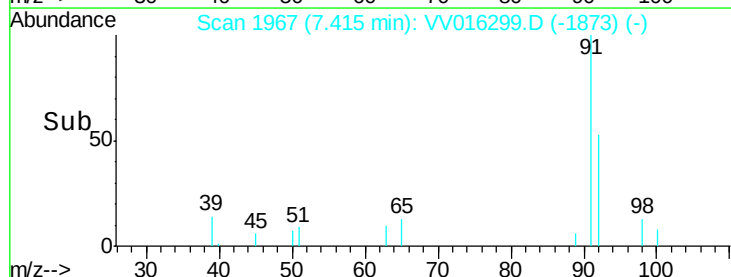
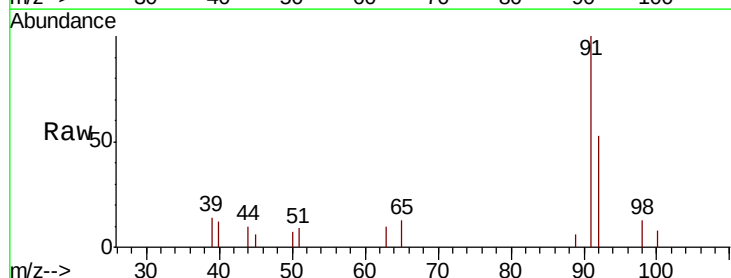
Instrument :
 MSVOA_V
 ClientSampled :

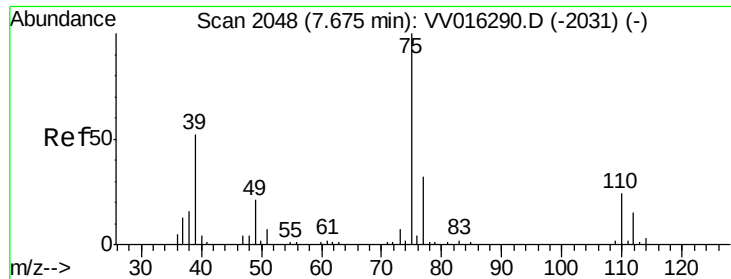
Tot Ion: 75 Resp: 803
 Ion Ratio Lower Upper
 75 100
 77 57.0 21.7 40.3#



#42
 Toluene
 Concen: 0.126 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.00 min
 Lab File: VV016299.D
 Acq: 29 May 2020 01:06

Tgt Ion: 91 Resp: 3245
 Ion Ratio Lower Upper
 91 100
 92 53.5 40.9 76.0

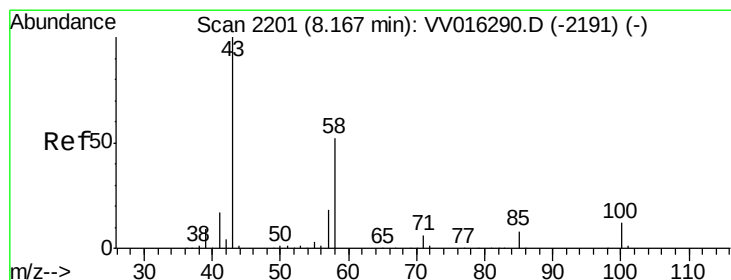
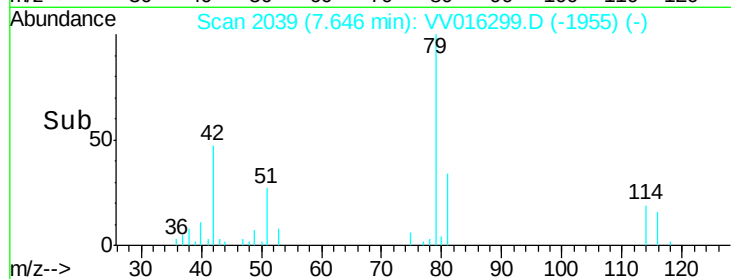
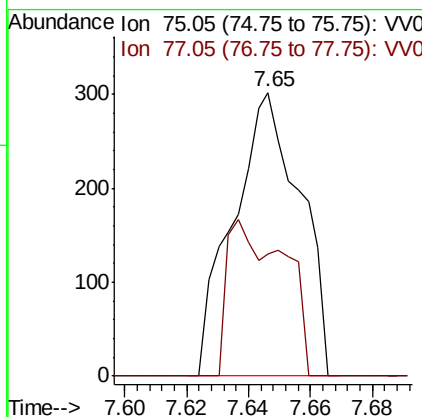
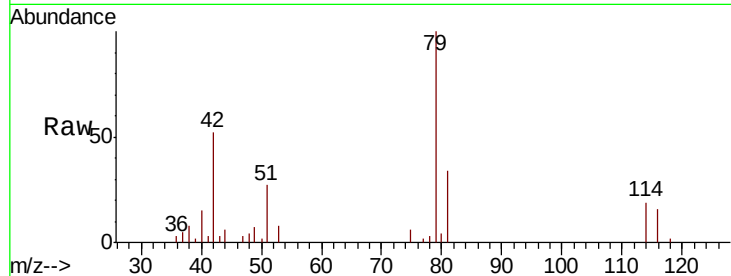




#46
trans-1,3-Dichloropropene
Concen: 0.067 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV016299.D
Acq: 29 May 2020 01:06

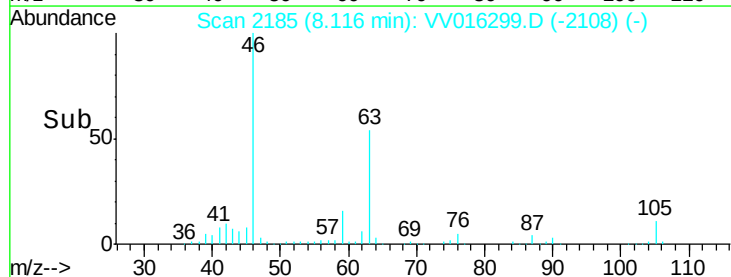
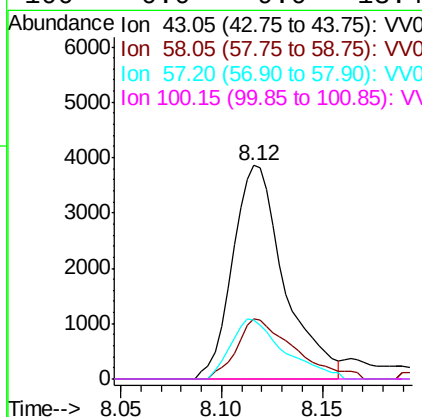
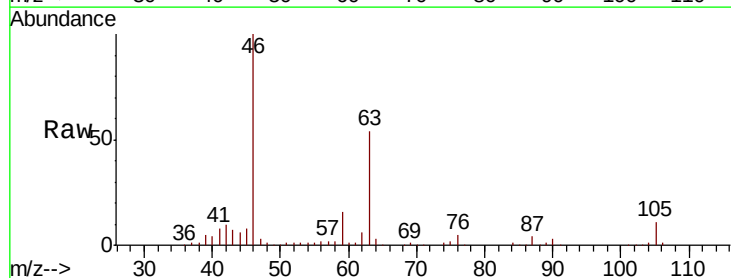
Instrument :
MSVOA_V
ClientSampled :

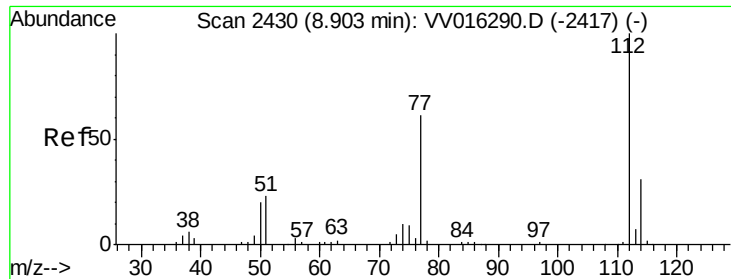
Tot Ion: 75 Resp: 455
Ion Ratio Lower Upper
75 100
77 43.0 21.7 40.3#



#50
2-Hexanone
Concen: 2.739 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016299.D
Acq: 29 May 2020 01:06

Tgt Ion: 43 Resp: 6892
Ion Ratio Lower Upper
43 100
58 31.4 41.4 62.0#
57 29.0 15.0 22.4#
100 0.0 9.0 13.4#

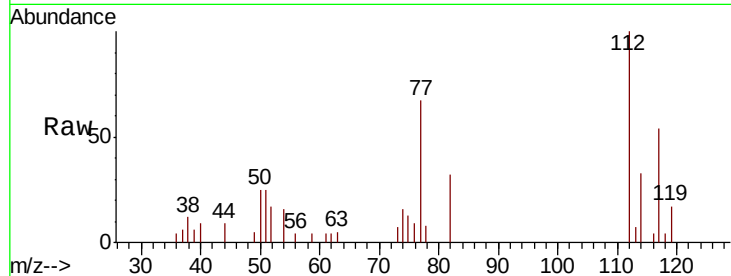




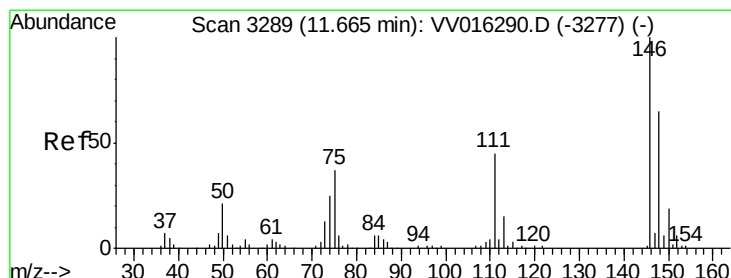
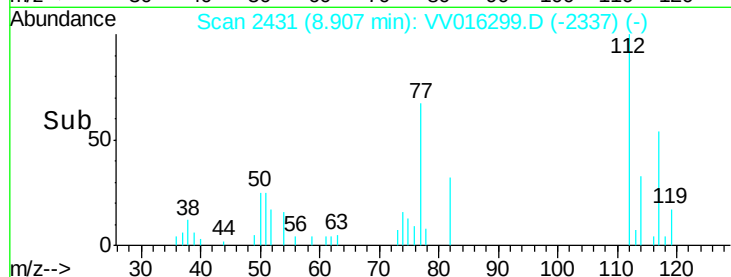
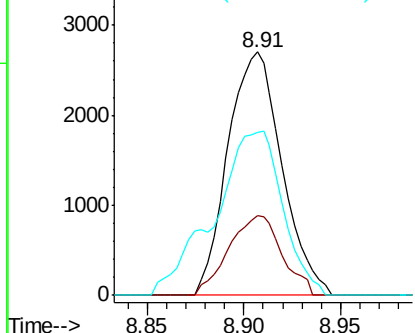
#53
Chlorobenzene
Concen: 0.329 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV016299.D
Acq: 29 May 2020 01:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 5247
Ion Ratio Lower Upper
112 100
114 32.8 22.3 41.3
77 67.0 50.7 76.1

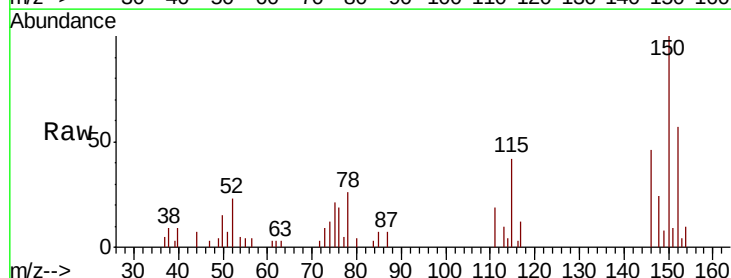


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

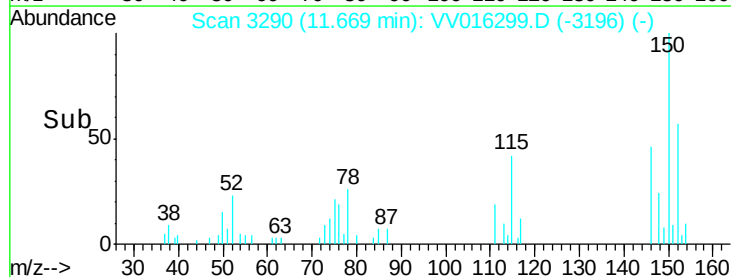
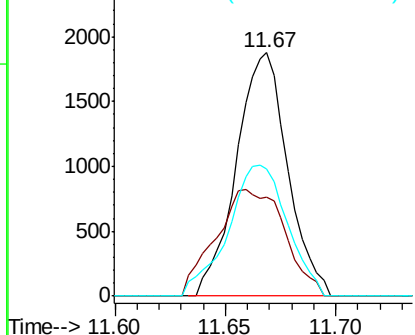


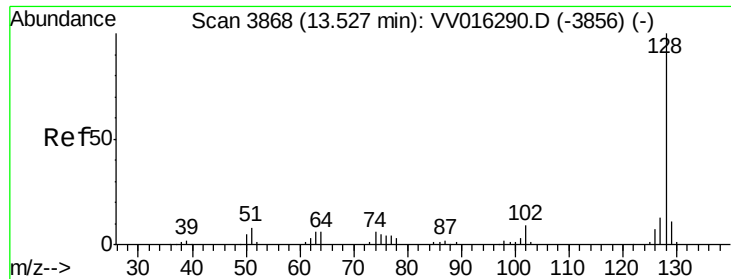
#66
1,2-Dichlorobenzene
Concen: 0.298 ug/L
RT: 11.67 min Scan# 3290
Delta R.T. 0.00 min
Lab File: VV016299.D
Acq: 29 May 2020 01:06

Tgt Ion:146 Resp: 3037
Ion Ratio Lower Upper
146 100
111 40.5 35.7 53.5
148 52.1 51.3 76.9



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





#70

Naphthalene

Concen: 1.726 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016299.D

Acq: 29 May 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

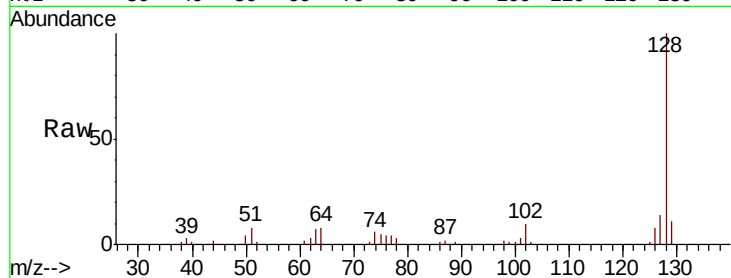
Tot Ion:128 Resp: 26404

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.2 10.6 15.8



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

