

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016295.D
 Acq On : 28 May 2020 23:29
 Operator : SY/MD
 Sample : L2766-10DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 04:23:55 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	87180	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	84011	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	37560	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21262	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	20671	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.13	63	32310	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	3.94	46	72180	51.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.94%
24) Chloroform-d	4.38	84	48831	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.06	65	27829	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.08	84	96206	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.10	67	30539	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.34	98	83481	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
45) trans-1,3-Dichloropropene-	7.65	79	9470	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
48) 2-Hexanone-d5	8.12	63	52003	47.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.50%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22024	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	29580	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.60	64	916	0.215	ug/L #	65
13) Acetone	2.22	43	1238	1.440	ug/L	73
16) Methylene chloride	2.53	84	914	0.155	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	2462	0.194	ug/L #	1
25) Chloroform	4.41	83	4032	0.356	ug/L	89
33) Benzene	5.13	78	83585	3.457	ug/L	100
35) Methylcyclohexane	6.10	83	7699	0.725	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	3431	0.579	ug/L #	88
44) 1,2,4-Trimethylbenzene	10.94	105	1480	0.060	ug/L	99
46) trans-1,3-Dichloropropene	7.65	75	510	0.073	ug/L #	72
53) Chlorobenzene	8.91	112	8743	0.537	ug/L	94
55) m,p-xylene	9.16	106	4662	0.423	ug/L	88
58) Isopropylbenzene	9.96	105	4532	0.158	ug/L	97
64) 1,4-Dichlorobenzene	11.29	146	853	0.073	ug/L	89
66) 1,2-Dichlorobenzene	11.67	146	1504	0.145	ug/L #	85
70) Naphthalene	13.53	128	1527	0.098	ug/L #	84

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

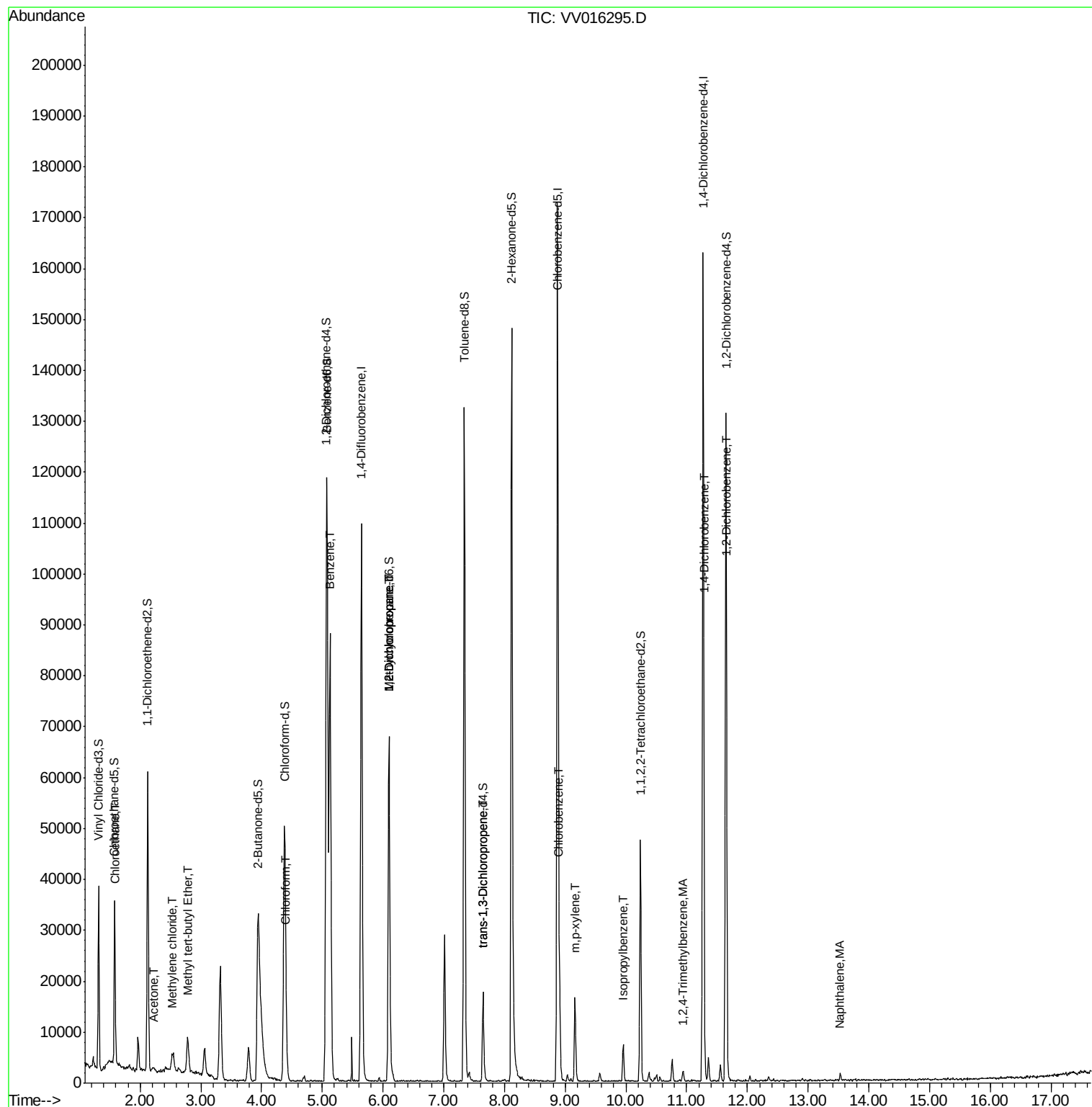
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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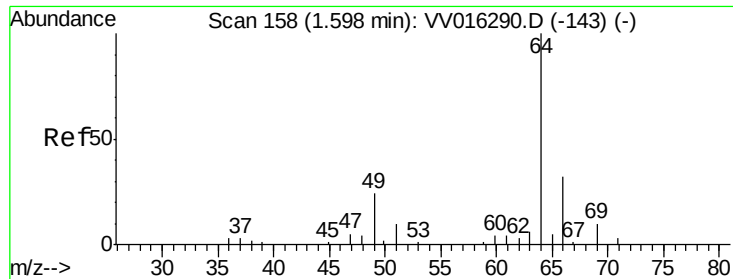
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.215 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016295.D

Acq: 28 May 2020 23:29

Instrument :

MSVOA_V

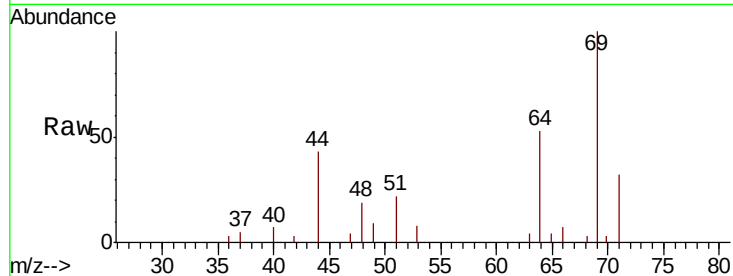
ClientSampled :

Tot Ion: 64 Resp: 916

Ion Ratio Lower Upper

64 100

66 12.9 22.9 42.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

2000

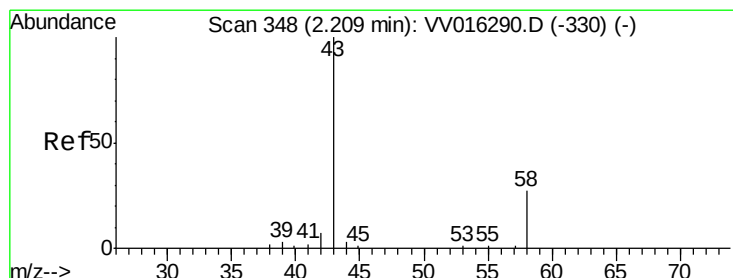
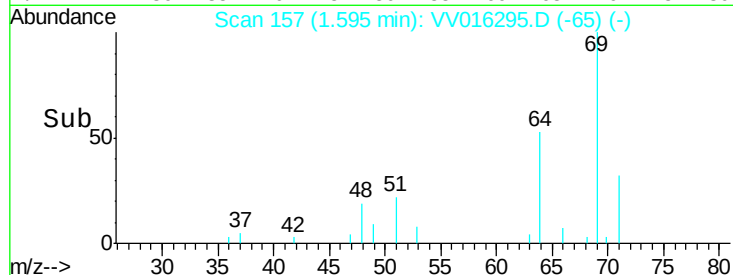
1500

1000

500

0

Time-->



#13

Acetone

Concen: 1.440 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV016295.D

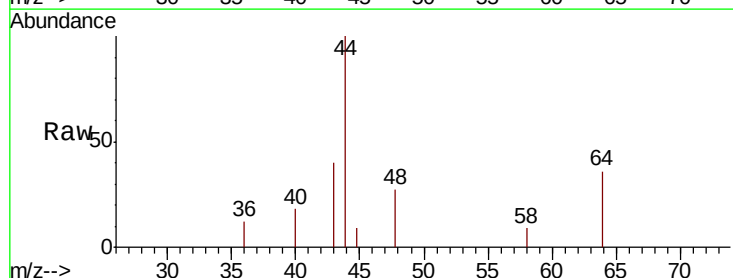
Acq: 28 May 2020 23:29

Tgt Ion: 43 Resp: 1238

Ion Ratio Lower Upper

43 100

58 11.1 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

500

400

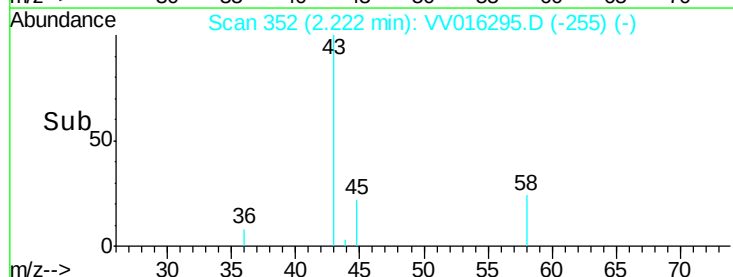
300

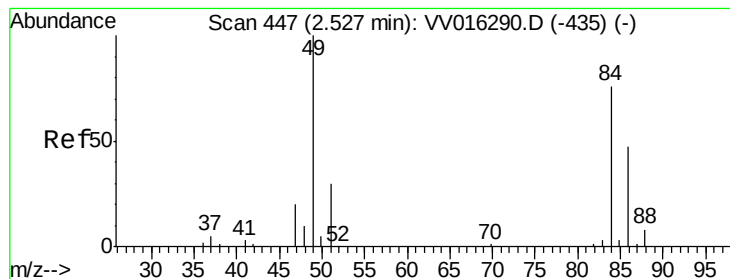
200

100

0

Time-->





#16

Methylene chloride

Concen: 0.155 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016295.D

Acq: 28 May 2020 23:29

Instrument :

MSVOA_V

ClientSampled :

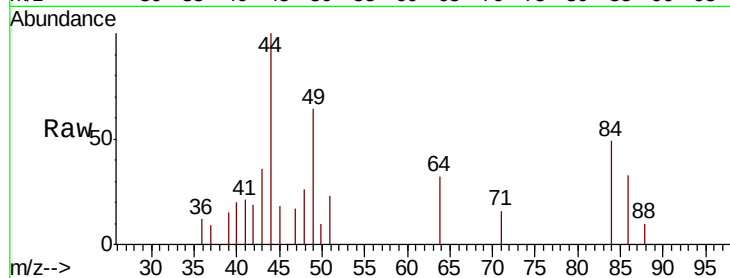
Tot Ion: 84 Resp: 914

Ion Ratio Lower Upper

84 100

86 66.2 44.9 83.5

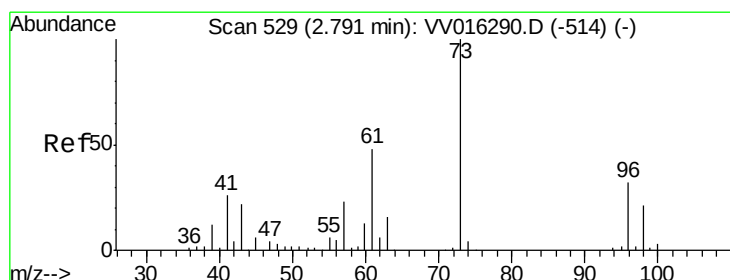
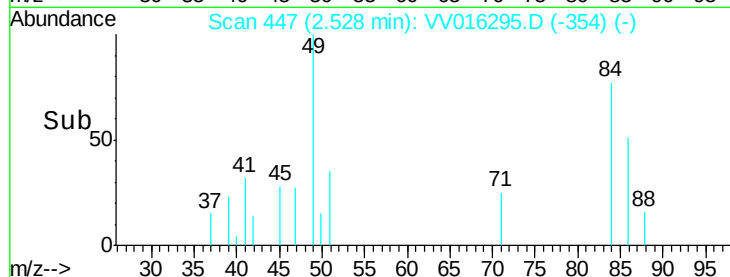
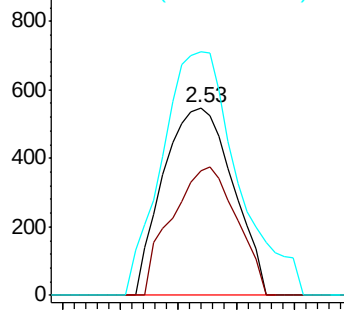
49 130.0 96.7 179.7



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#17

Methyl tert-butyl Ether

Concen: 0.194 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

Lab File: VV016295.D

Acq: 28 May 2020 23:29

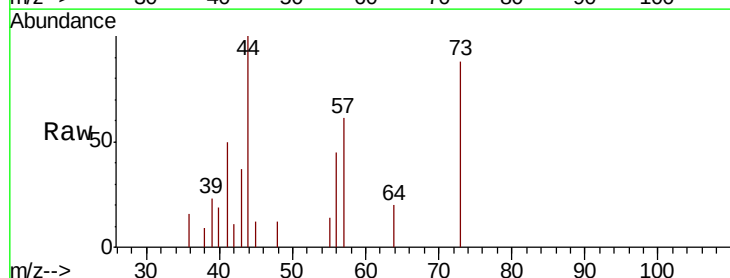
Tgt Ion: 73 Resp: 2462

Ion Ratio Lower Upper

73 100

43 64.2 17.8 26.8#

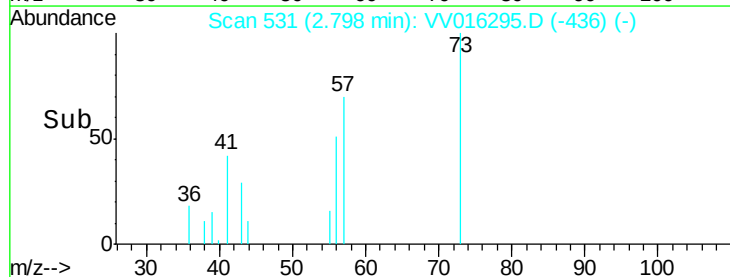
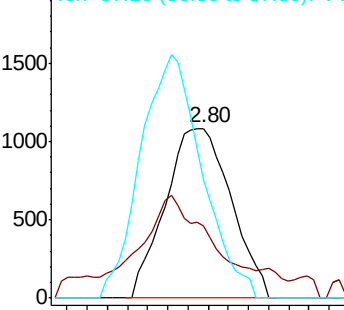
57 133.1 18.9 28.3#

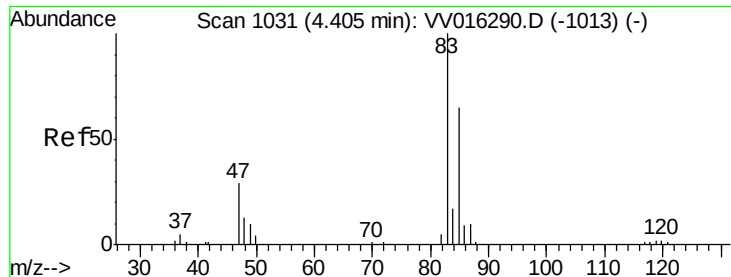


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

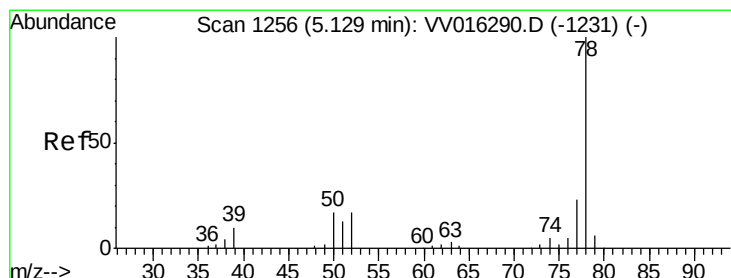
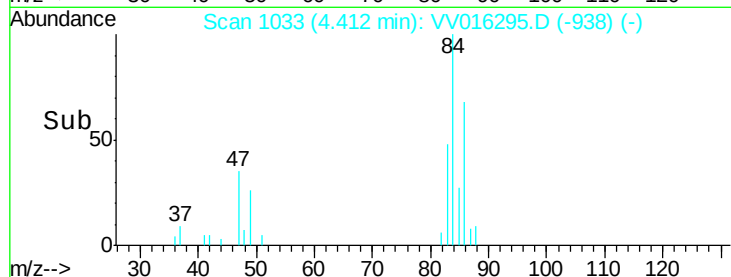
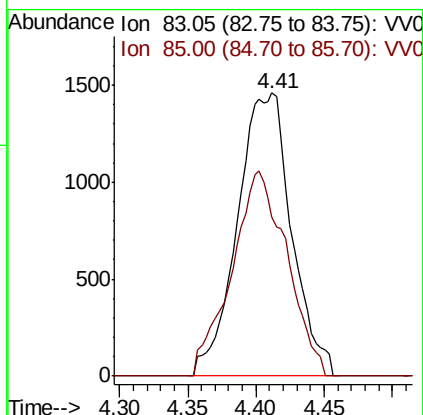
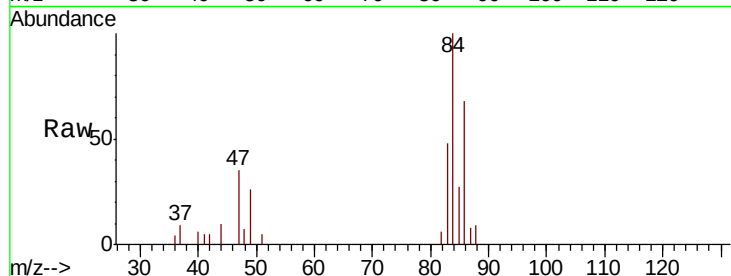




#25
Chloroform
Concen: 0.356 ug/L
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VV016295.D
Acq: 28 May 2020 23:29

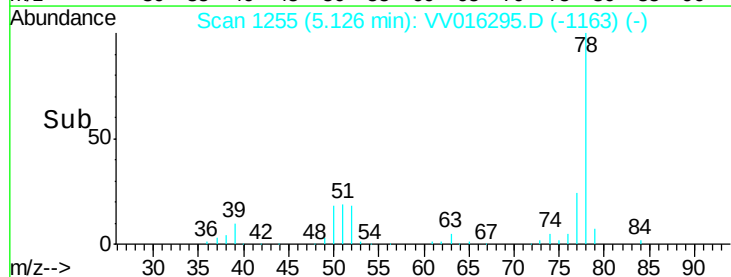
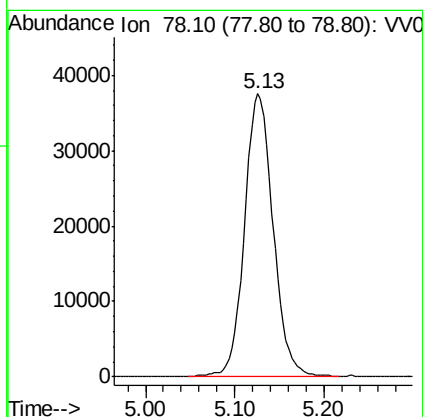
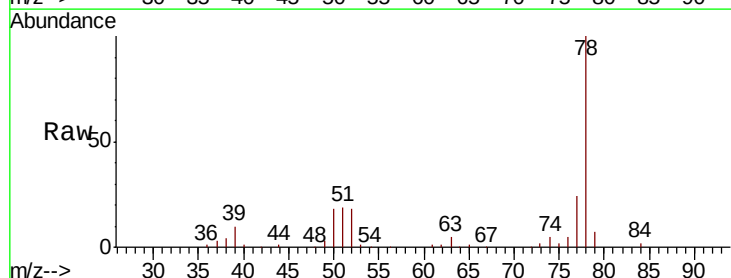
Instrument :
MSVOA_V
ClientSampleId :

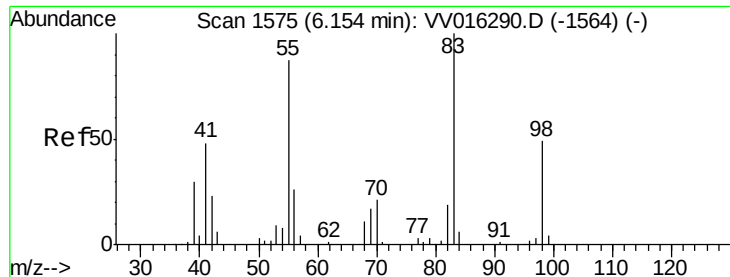
Tot Ion: 83 Resp: 4032
Ion Ratio Lower Upper
83 100
85 56.1 45.1 83.7



#33
Benzene
Concen: 3.457 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV016295.D
Acq: 28 May 2020 23:29

Tgt Ion: 78 Resp: 83585

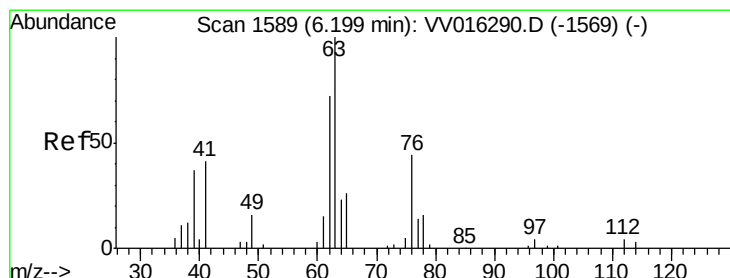
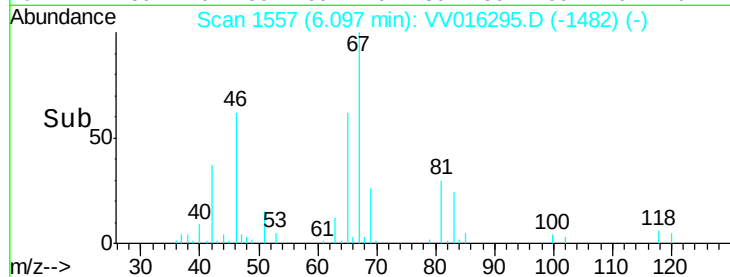
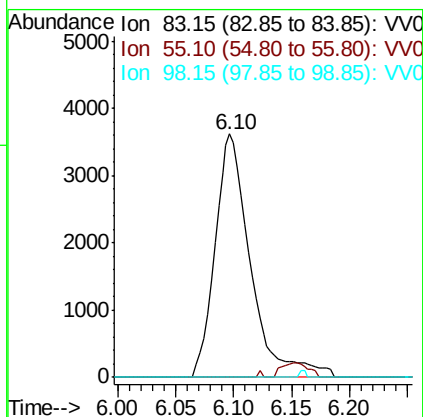
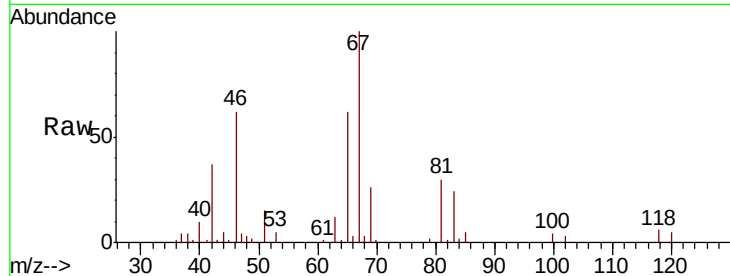




#35
Methvlcvclohexane
Concen: 0.725 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016295.D
Acq: 28 May 2020 23:29

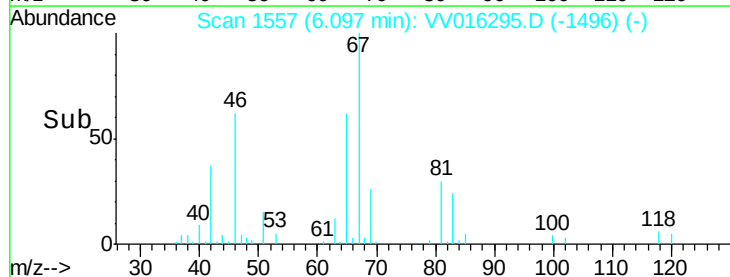
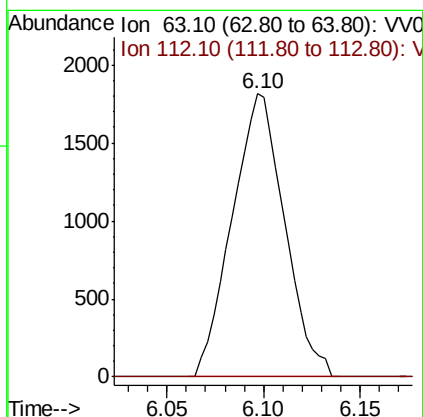
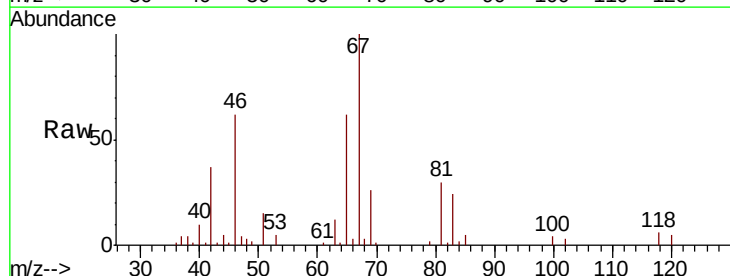
Instrument :
MSVOA_V
ClientSampleId :

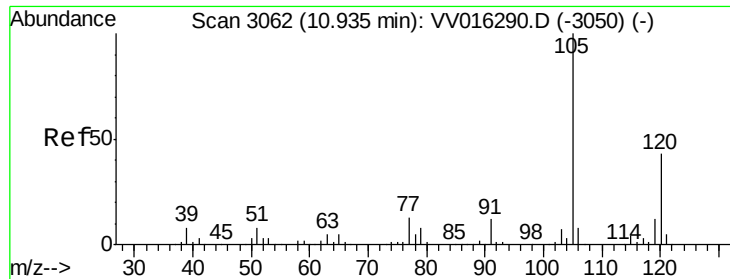
Tot Ion: 83 Resp: 7699
Ion Ratio Lower Upper
83 100
55 0.3 65.4 98.0#
98 0.0 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.579 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016295.D
Acq: 28 May 2020 23:29

Tgt Ion: 63 Resp: 3431
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

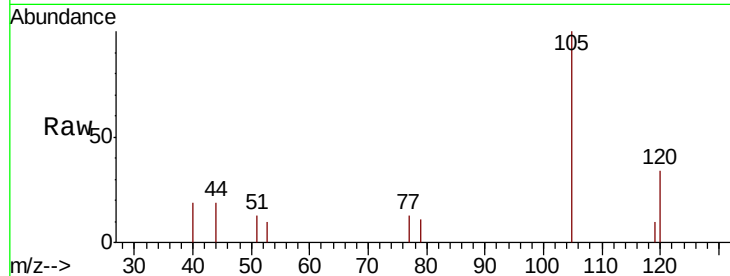




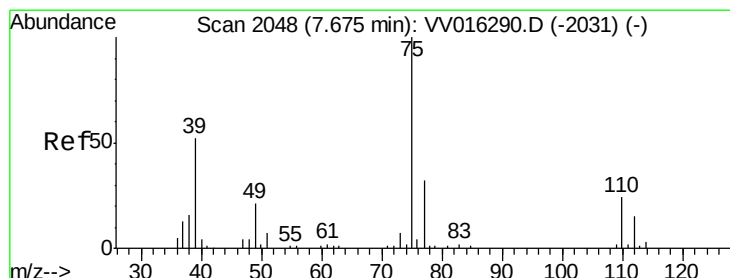
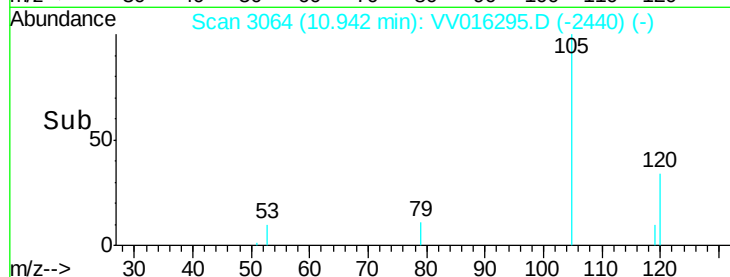
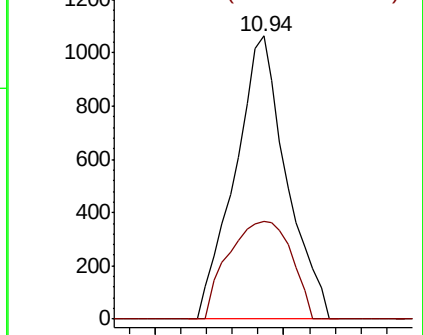
#44
1,2,4-Trimethylbenzene
Concen: 0.060 ug/L
RT: 10.94 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VV016295.D
Acq: 28 May 2020 23:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:105 Resp: 1480
Ion Ratio Lower Upper
105 100
120 42.4 34.6 52.0

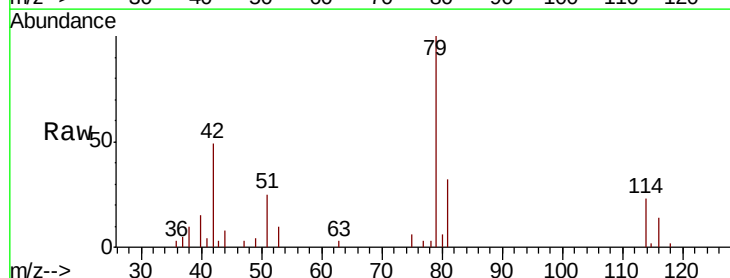


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

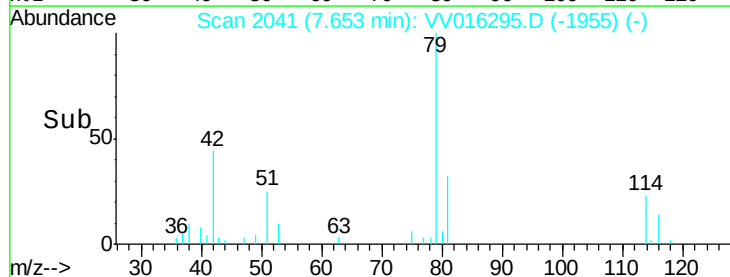
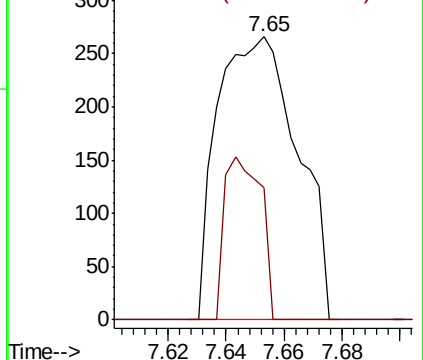


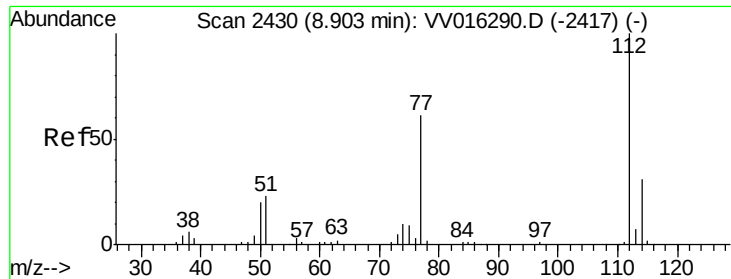
#46
trans-1,3-Dichloropropene
Concen: 0.073 ug/L
RT: 7.65 min Scan# 2041
Delta R.T. -0.02 min
Lab File: VV016295.D
Acq: 28 May 2020 23:29

Tgt Ion: 75 Resp: 510
Ion Ratio Lower Upper
75 100
77 46.6 21.7 40.3#



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

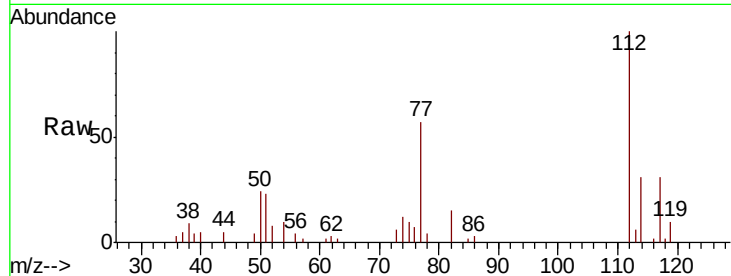




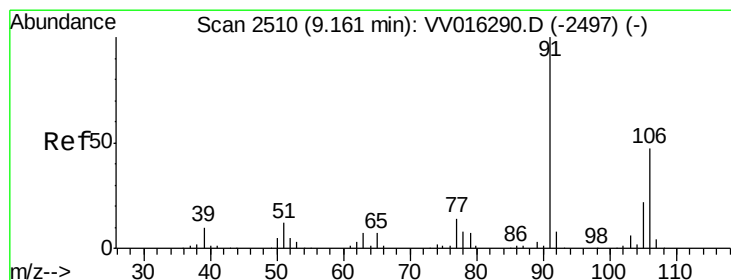
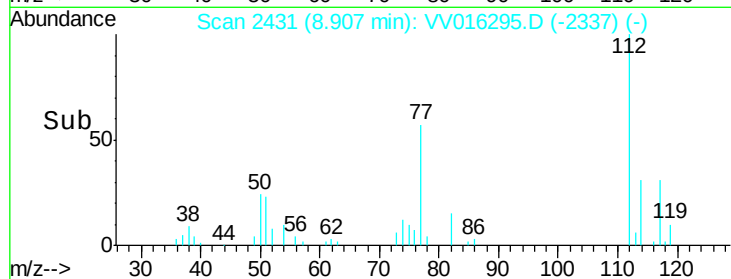
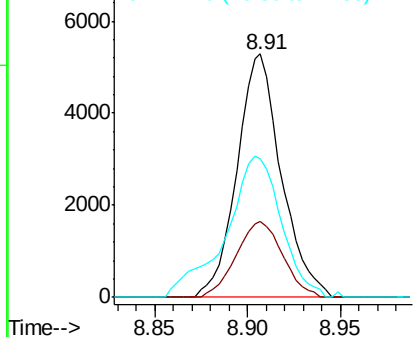
#53
Chlorobenzene
Concen: 0.537 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV016295.D
Acq: 28 May 2020 23:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 8743
Ion Ratio Lower Upper
112 100
114 31.1 22.3 41.3
77 56.8 50.7 76.1

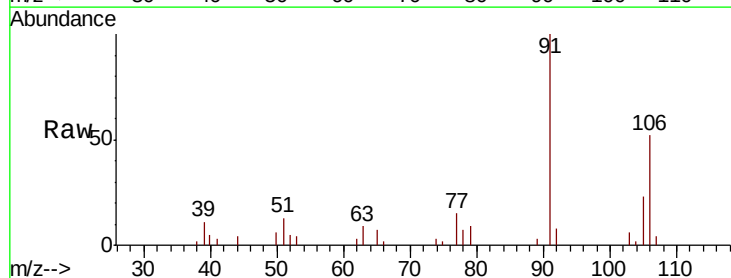


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

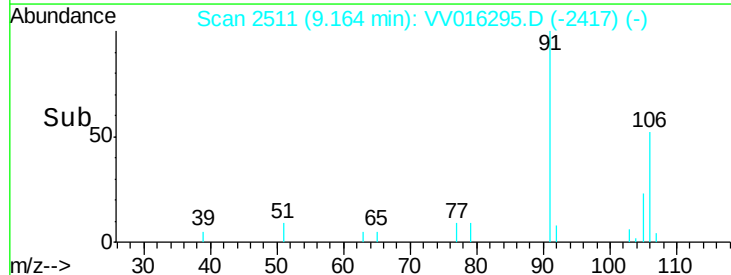
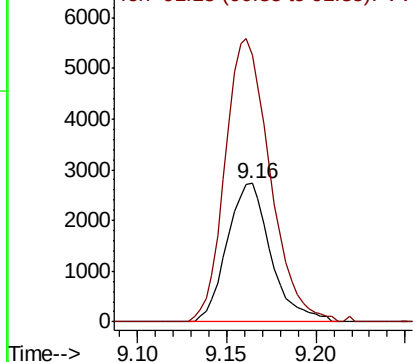


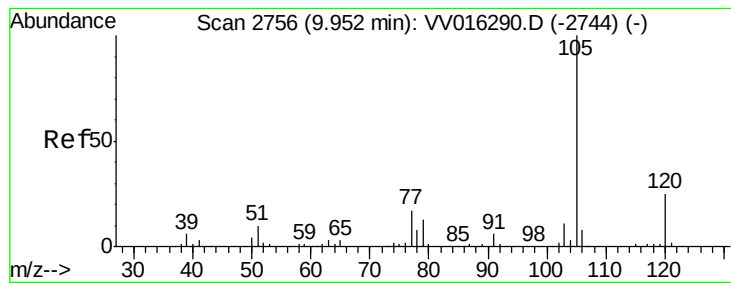
#55
m,p-xylene
Concen: 0.423 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VV016295.D
Acq: 28 May 2020 23:29

Tgt Ion:106 Resp: 4662
Ion Ratio Lower Upper
106 100
91 193.1 148.1 275.0



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





#58

Isopropylbenzene

Concen: 0.158 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016295.D

Acq: 28 May 2020 23:29

Instrument :
MSVOA_V
ClientSampleId :

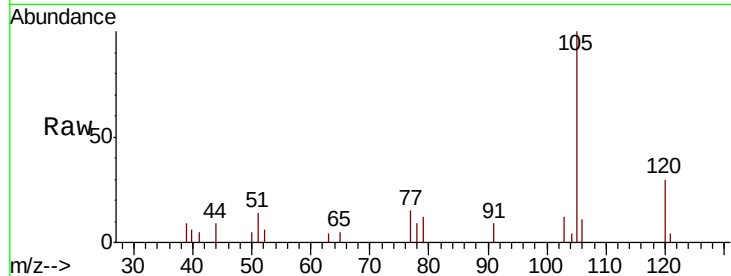
Tot Ion:105 Resp: 4532

Ion Ratio Lower Upper

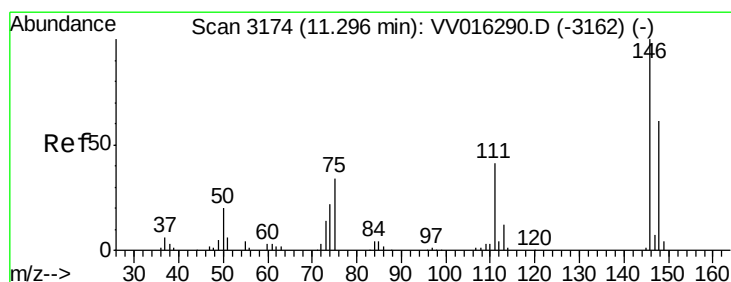
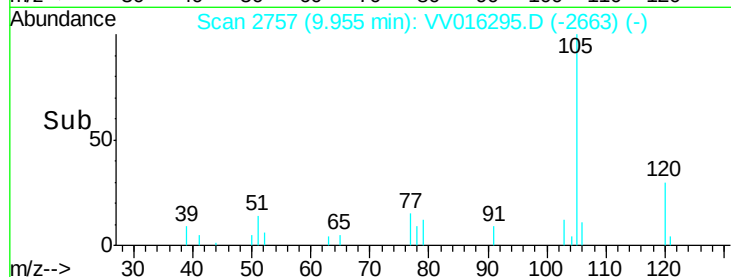
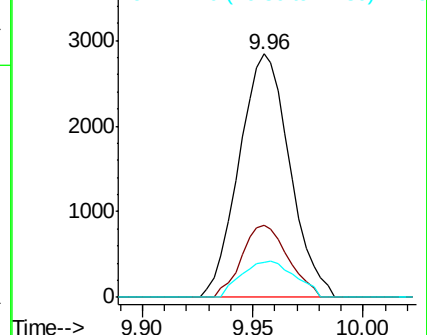
105 100

120 27.0 20.9 31.3

77 15.7 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



#64

1,4-Dichlorobenzene

Concen: 0.073 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016295.D

Acq: 28 May 2020 23:29

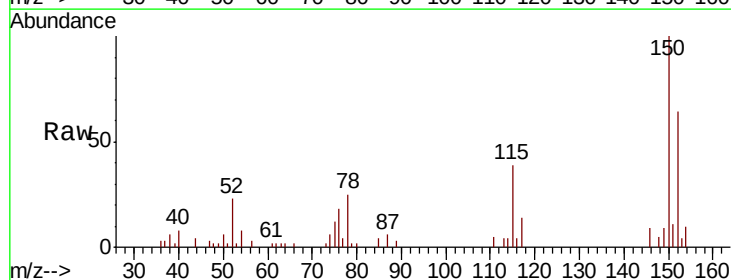
Tgt Ion:146 Resp: 853

Ion Ratio Lower Upper

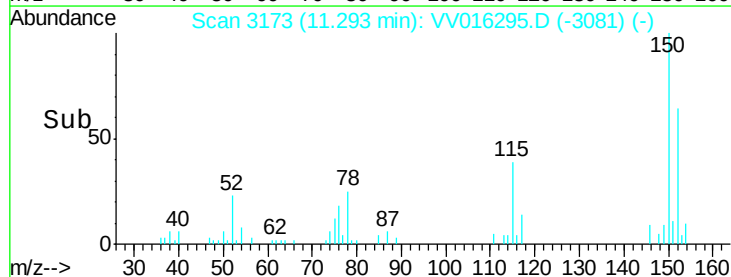
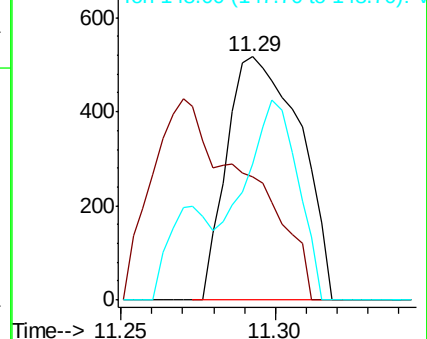
146 100

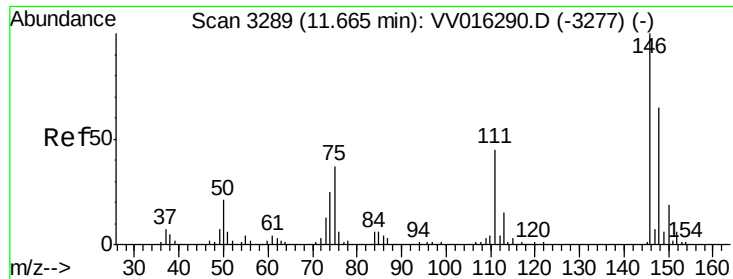
111 50.5 28.3 52.7

148 56.1 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

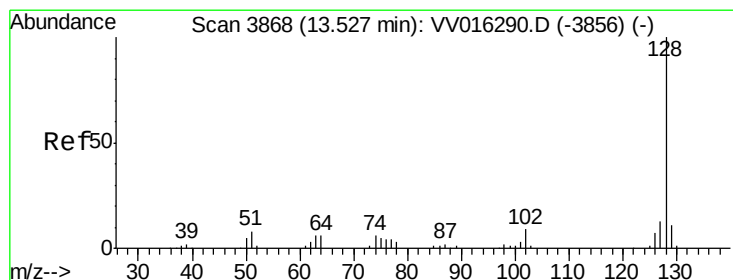
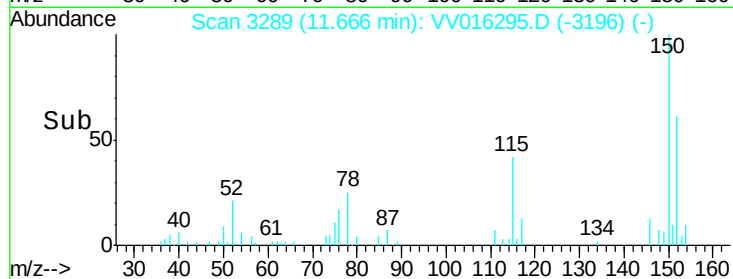
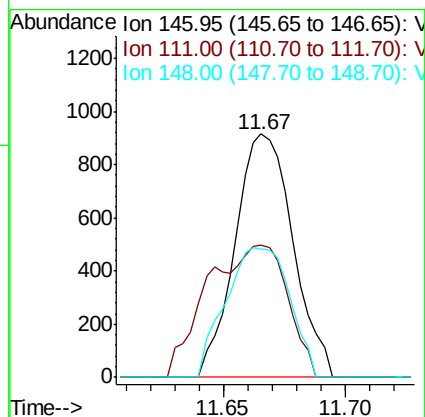
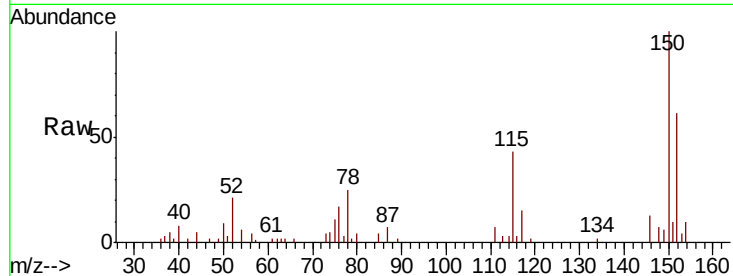




#66
 1,2-Dichlorobenzene
 Concen: 0.145 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016295.D
 Acq: 28 May 2020 23:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 1504
 Ion Ratio Lower Upper
 146 100
 111 54.4 35.7 53.5#
 148 52.6 51.3 76.9



#70
 Naphthalene
 Concen: 0.098 ug/L
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: VV016295.D
 Acq: 28 May 2020 23:29

Tgt Ion:128 Resp: 1527
 Ion Ratio Lower Upper
 128 100
 129 7.1 8.6 13.0#
 127 5.0 10.6 15.8#

