

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016269.D
 Acq On : 28 May 2020 12:09
 Operator : SY/MD
 Sample : L2755-17
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 01:13:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 01:10:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	91637	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	87647	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	40127	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25490	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	23955	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	38764	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	3.94	46	81222	55.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.28%
24) Chloroform-d	4.38	84	57004	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	32257	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.08	84	111435	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.10	67	36033	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.34	98	98771	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
45) trans-1,3-Dichloropropene-	7.65	79	11911	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
48) 2-Hexanone-d5	8.12	63	58291	50.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.52%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25028	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	36338	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.60	64	406	0.091	ug/L #	42
13) Acetone	2.21	43	2237	2.475	ug/L	93
14) Carbon disulfide	2.32	76	1451	0.087	ug/L #	93
15) Methyl Acetate	2.45	43	1022	0.443	ug/L #	70
18) trans-1,2-Dichloroethene	2.78	96	1008	0.170	ug/L	97
21) 2-Butanone	4.11	43	331070	205.950	ug/L #	57
22) cis-1,2-Dichloroethene	3.94	96	2222	0.318	ug/L	68
25) Chloroform	4.41	83	3723	0.313	ug/L	92
27) 1,2-Dichloroethane	5.07	62	810	0.104	ug/L #	79
33) Benzene	5.14	78	5747	0.228	ug/L	100
34) Trichloroethene	5.94	95	5859	0.892	ug/L	96
35) Methylcyclohexane	6.10	83	8803	0.794	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4146	0.670	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	909	0.104	ug/L #	65
42) Toluene	7.42	91	3432	0.125	ug/L	96
46) trans-1,3-Dichloropropene	7.65	75	541	0.074	ug/L #	79
49) Tetrachloroethene	8.00	164	81434	17.263	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 29 01:10:53 2020
Response via : Initial Calibration

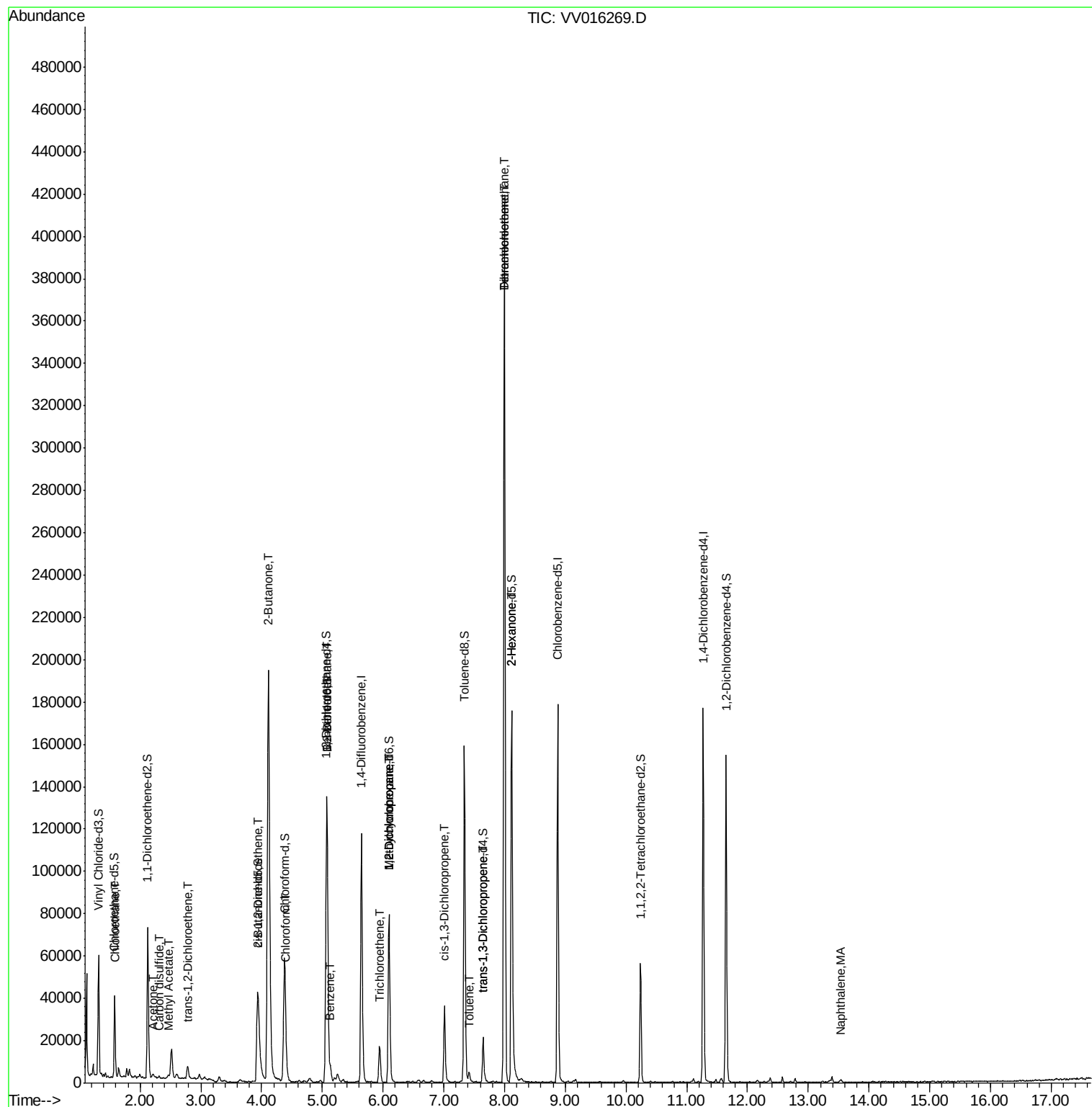
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 2-Hexanone	8.12	43	8653	3.224	ug/L #	75
51) Dibromochloromethane	8.00	129	81582	18.931	ug/L #	10
70) Naphthalene	13.53	128	1468	0.088	ug/L #	78

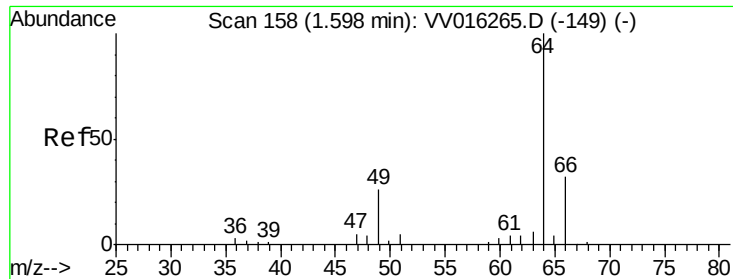
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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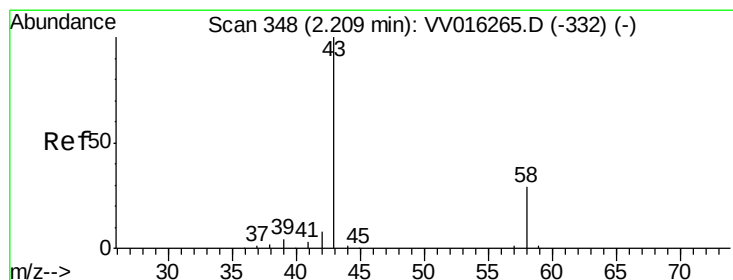
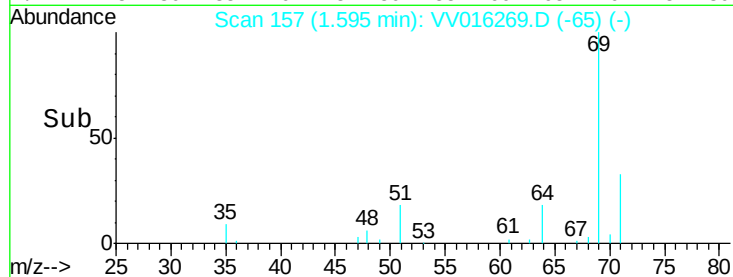
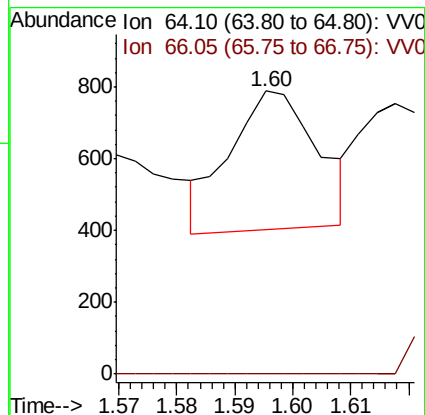
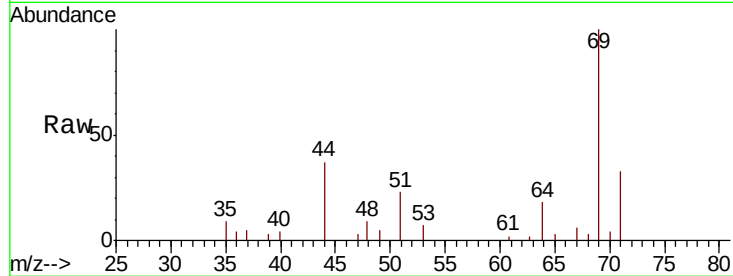




#8
 Chloroethane
 Concen: 0.091 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

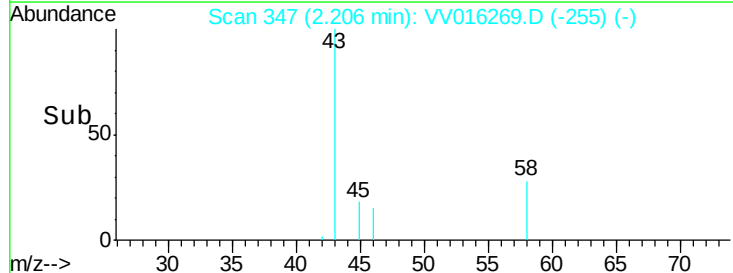
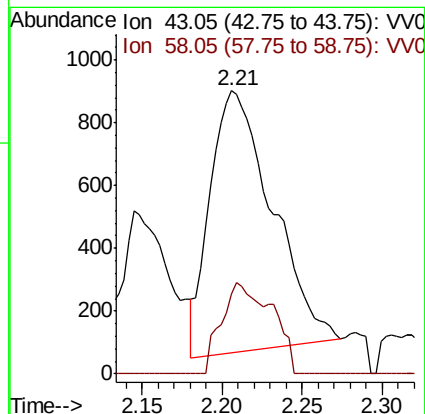
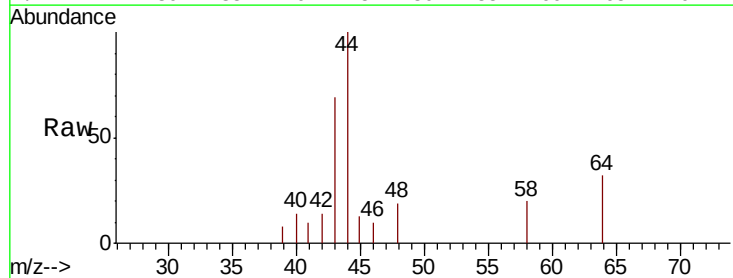
Instrument :
 MSVOA_V
 ClientSampleId :

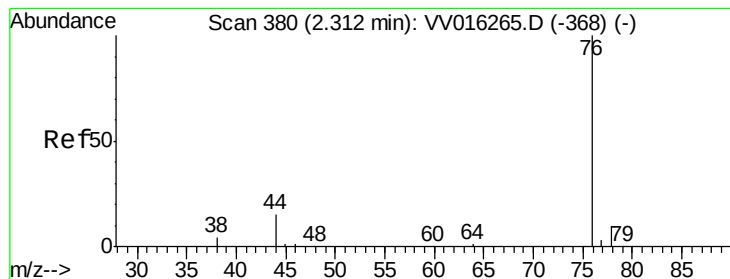
Tot Ion: 64 Resp: 406
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.9 42.5#



#13
 Acetone
 Concen: 2.475 ug/L
 RT: 2.21 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

Tgt Ion: 43 Resp: 2237
 Ion Ratio Lower Upper
 43 100
 58 28.0 0.0 48.8





#14

Carbon disulfide

Concen: 0.087 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV016269.D

Acq: 28 May 2020 12:09

Instrument :

MSVOA_V

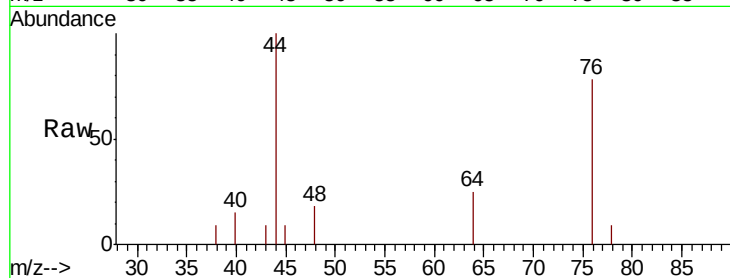
ClientSampleId :

Tot Ion: 76 Resp: 1451

Ion Ratio Lower Upper

76 100

78 11.9 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

1200

1000

800

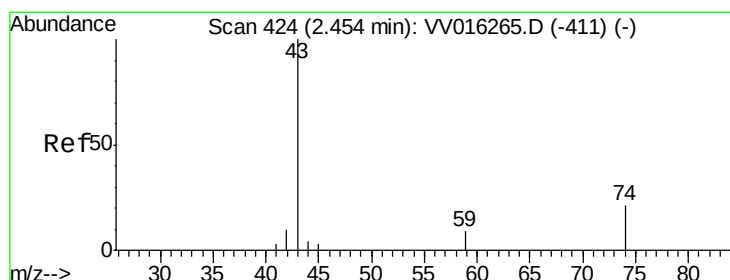
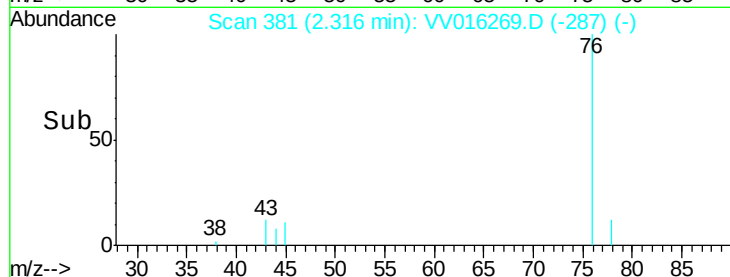
600

400

200

0

Time-->



#15

Methyl Acetate

Concen: 0.443 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV016269.D

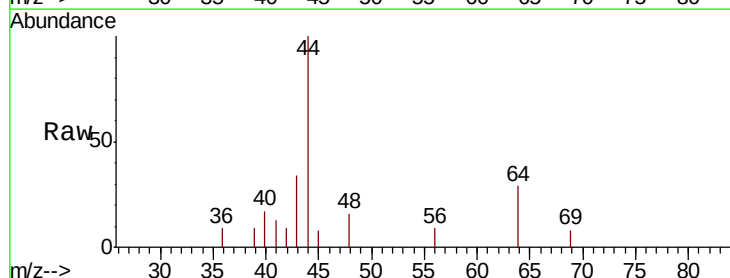
Acq: 28 May 2020 12:09

Tgt Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

74 8.1 18.1 27.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

5000

4000

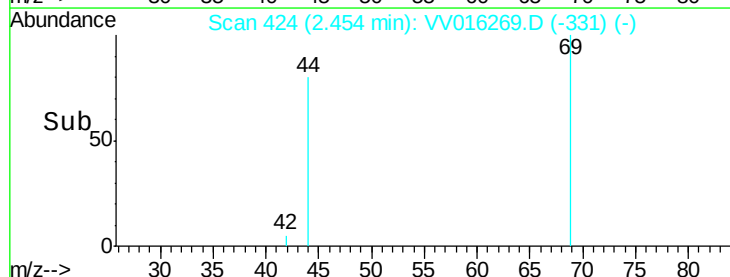
3000

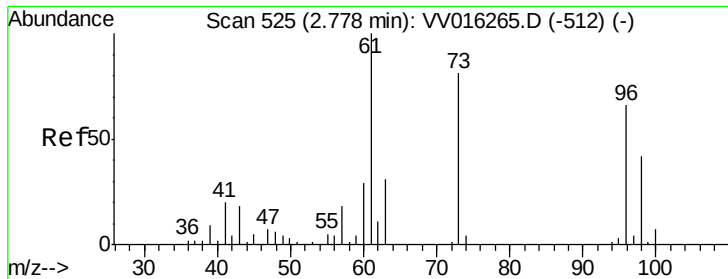
2000

1000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 0.170 ug/L

RT: 2.78 min Scan# 526

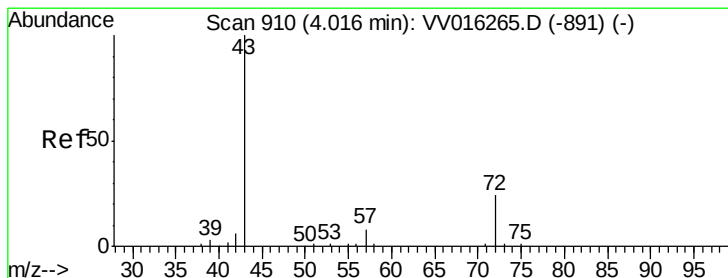
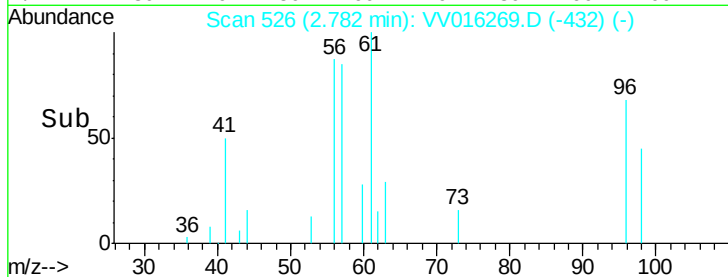
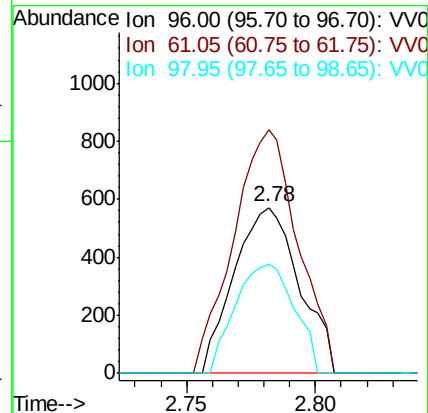
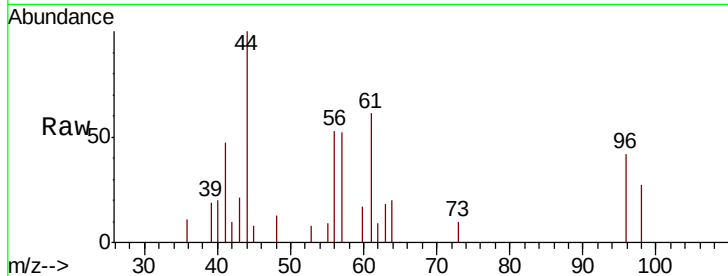
Delta R.T. 0.00 min

Lab File: VV016269.D

Acq: 28 May 2020 12:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	1008
Ion	Ratio	Lower	Upper
96	100		
61	146.7	99.8	185.4
98	65.6	44.0	81.6



#21

2-Butanone

Concen: 205.950 ug/L

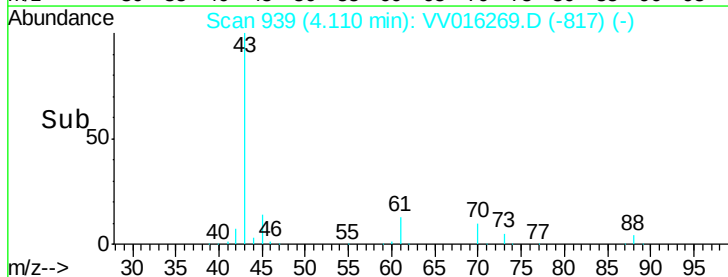
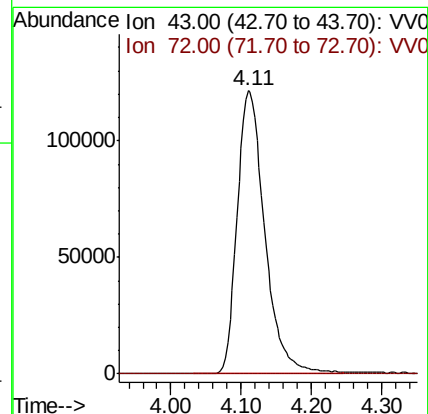
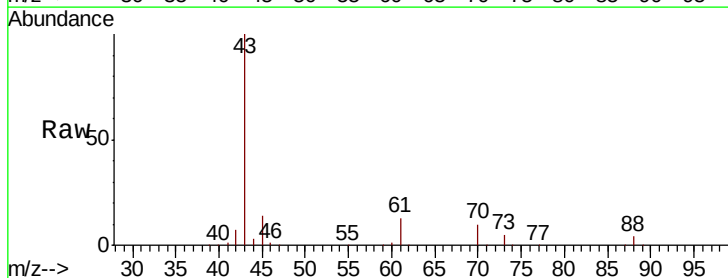
RT: 4.11 min Scan# 939

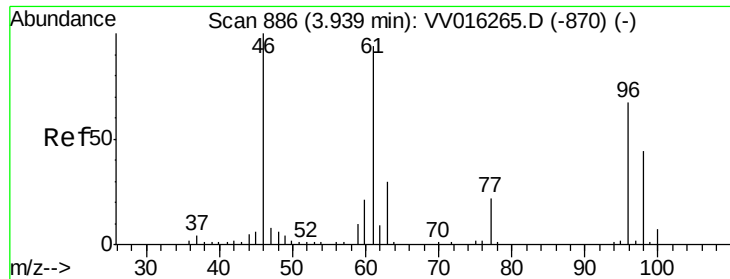
Delta R.T. 0.09 min

Lab File: VV016269.D

Acq: 28 May 2020 12:09

Tgt Ion:	43	Resp:	331070
Ion	Ratio	Lower	Upper
43	100		
72	0.0	9.7	28.9#

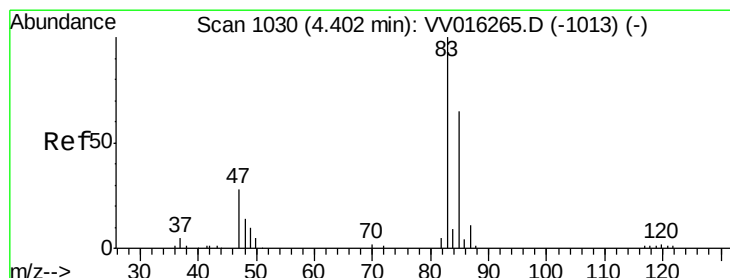
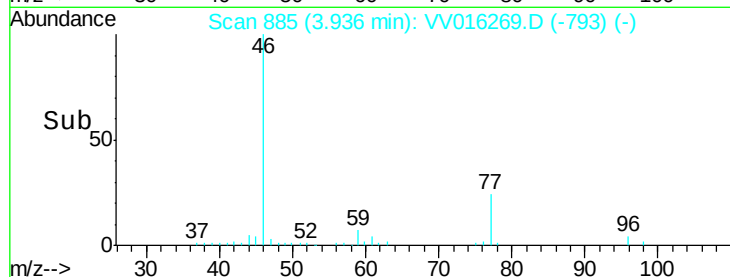
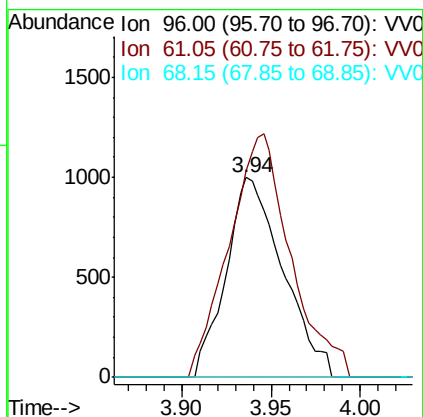
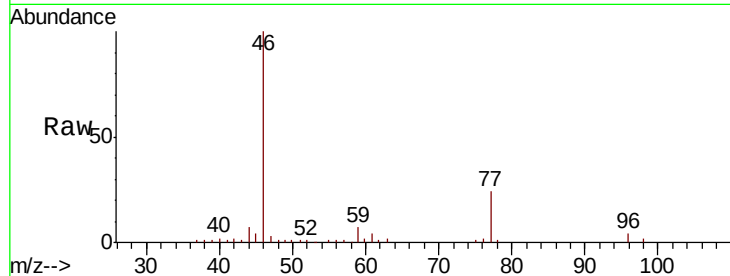




#22
 cis-1,2-Dichloroethene
 Concen: 0.318 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

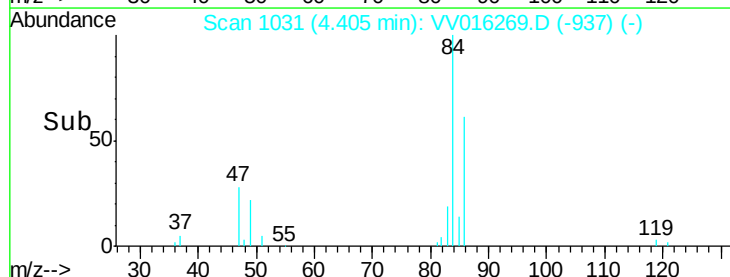
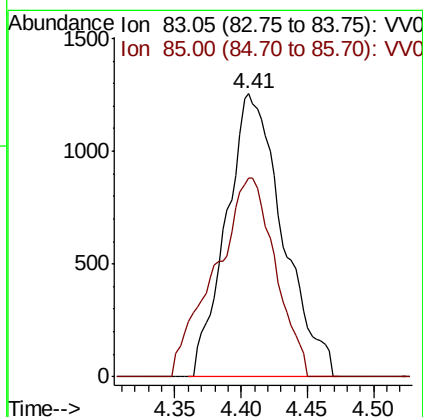
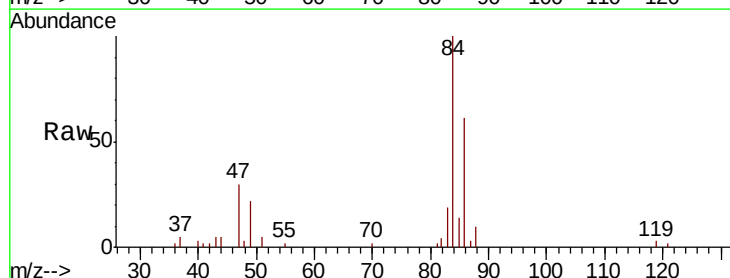
Instrument :
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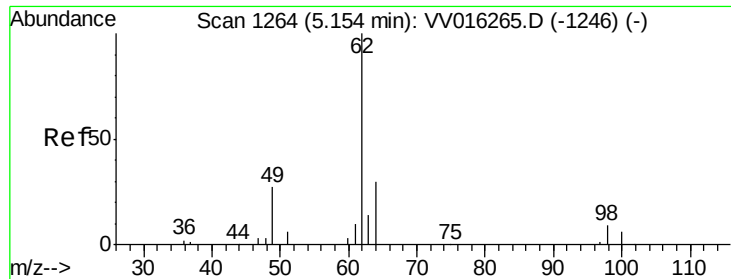
Tot Ion: 96 Resp: 2222
 Ion Ratio Lower Upper
 96 100
 61 103.0 99.7 185.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.313 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

Tgt Ion: 83 Resp: 3723
 Ion Ratio Lower Upper
 83 100
 85 70.5 45.1 83.7

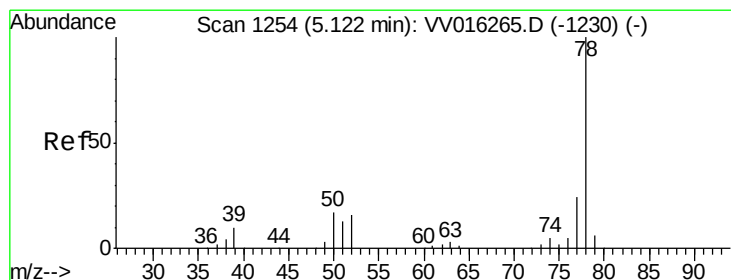
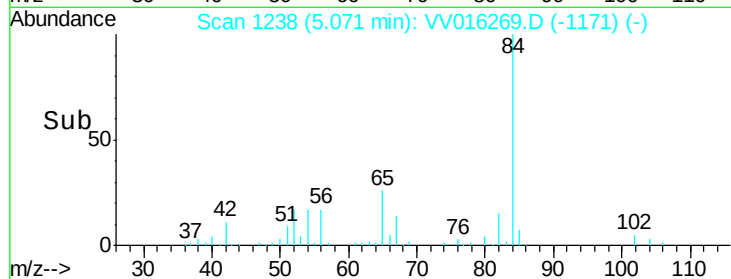
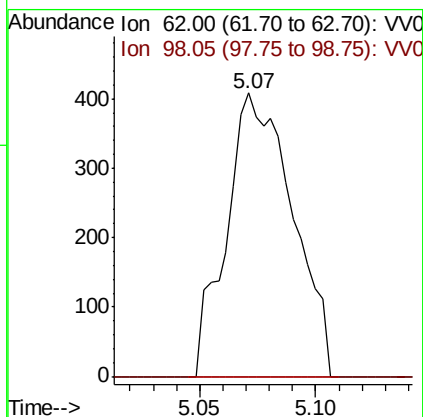
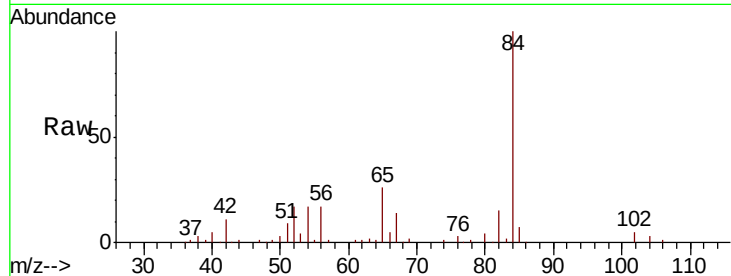




#27
 1,2-Dichloroethane
 Concen: 0.104 ug/L
 RT: 5.07 min Scan# 1238
 Delta R.T. -0.08 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

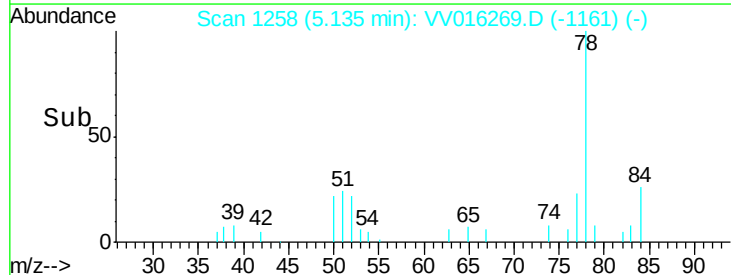
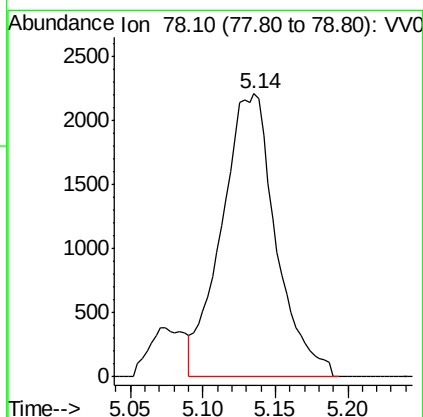
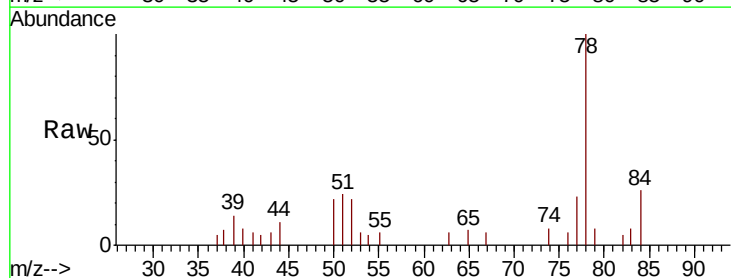
Instrument :
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 ClientSampleId :

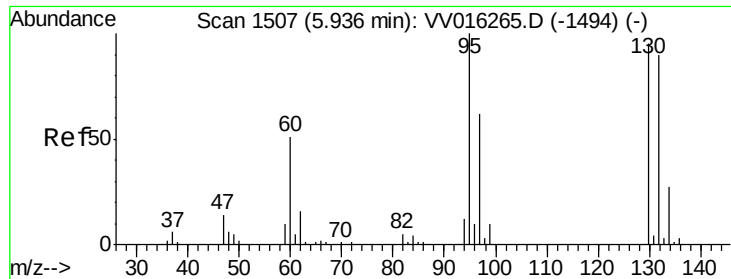
Tot Ion: 62 Resp: 810
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#33
 Benzene
 Concen: 0.228 ug/L
 RT: 5.14 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

Tgt Ion: 78 Resp: 5747

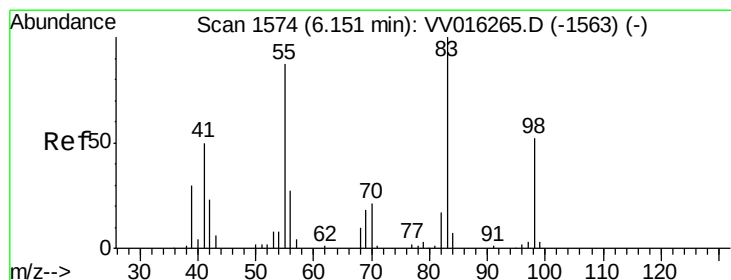
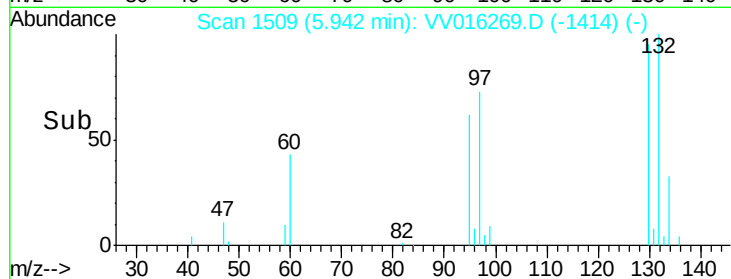
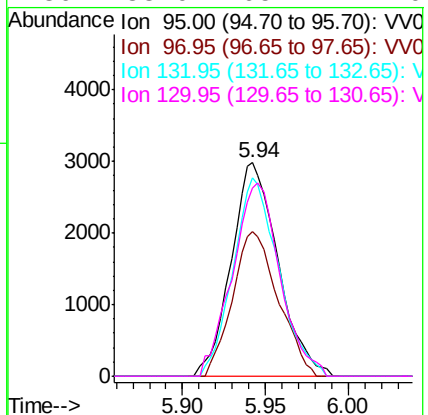
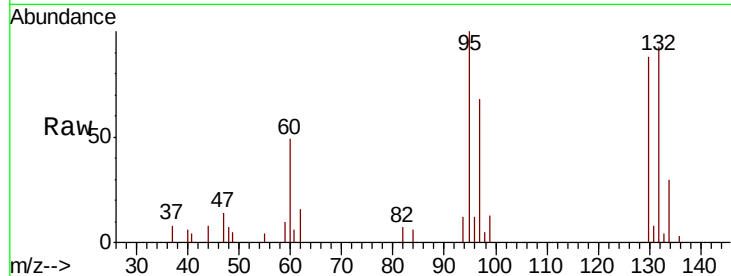




#34
 Trichloroethene
 Concen: 0.892 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

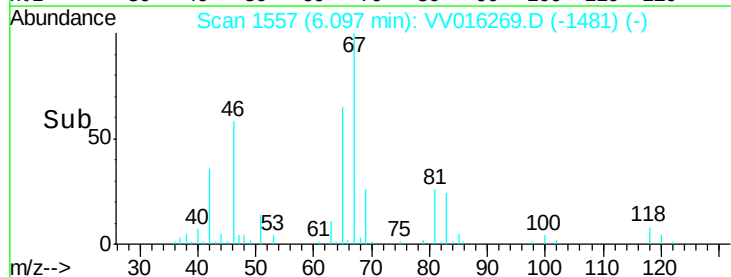
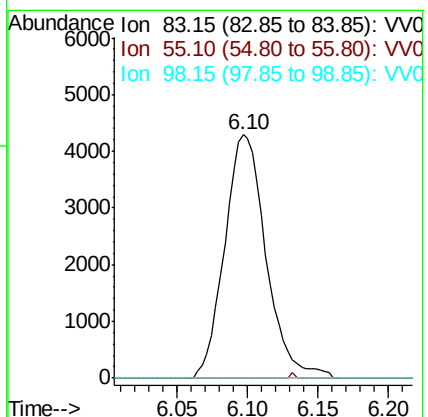
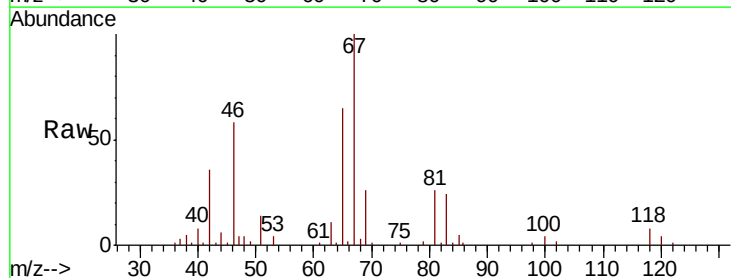
Instrument :
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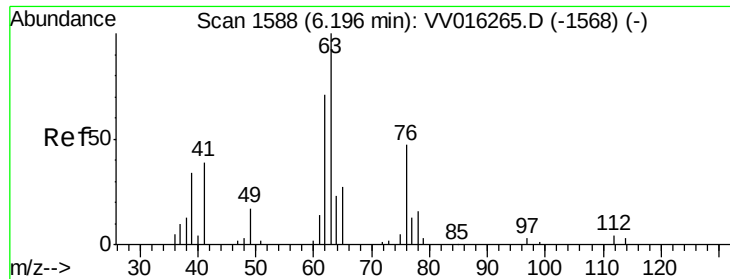
Tot Ion: 95 Resp: 5859
 Ion Ratio Lower Upper
 95 100
 97 67.5 43.6 81.0
 132 92.7 63.9 118.7
 130 88.0 65.2 121.0



#35
 Methylcyclohexane
 Concen: 0.794 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

Tgt Ion: 83 Resp: 8803
 Ion Ratio Lower Upper
 83 100
 55 0.2 65.4 98.0#
 98 0.0 39.3 58.9#

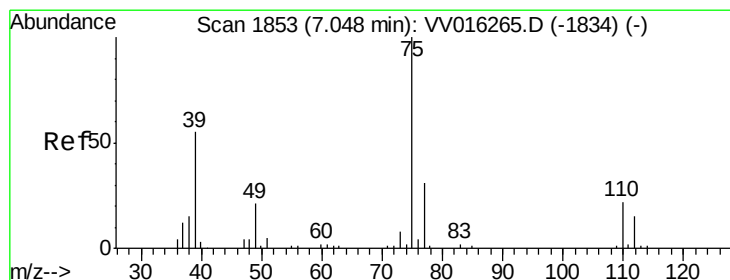
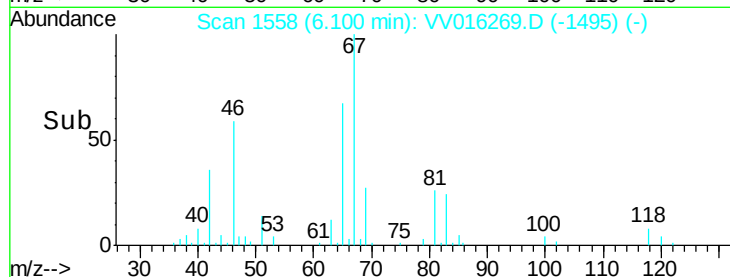
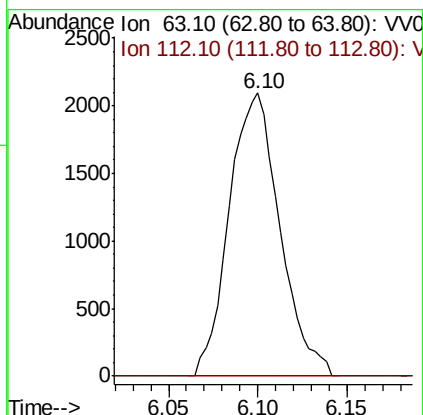
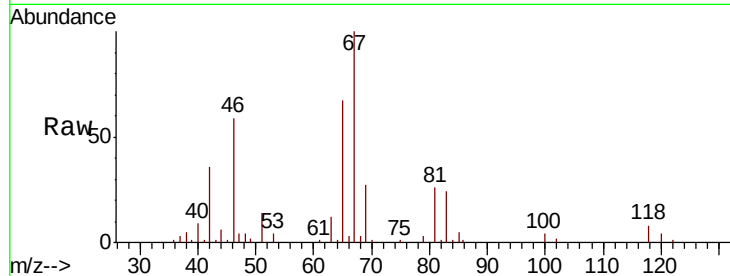




#37
 1,2-Dichloropropane
 Concen: 0.670 ug/L
 RT: 6.10 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

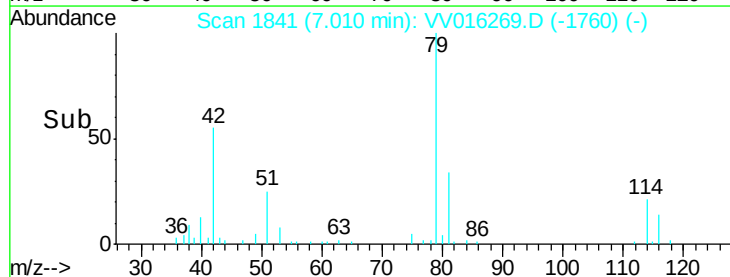
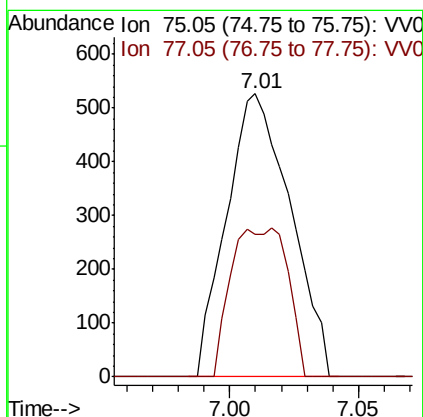
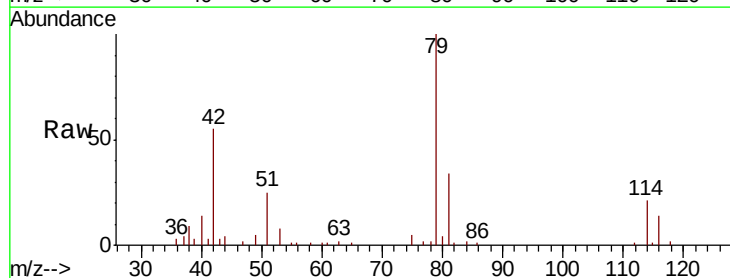
Instrument :
 MSVOA_V
 ClientSampleId :

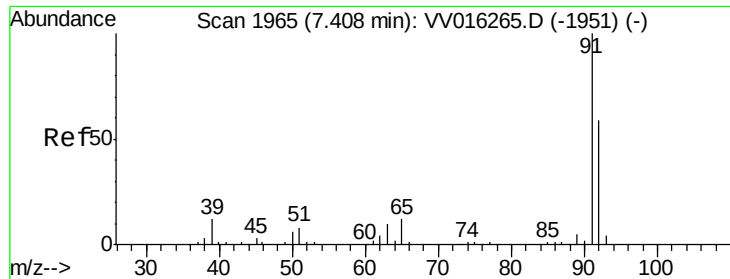
Tot Ion: 63 Resp: 4146
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

Tgt Ion: 75 Resp: 909
 Ion Ratio Lower Upper
 75 100
 77 50.5 21.7 40.3#





#42

Toluene

Concen: 0.125 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV016269.D

Acq: 28 May 2020 12:09

Instrument :

MSVOA_V

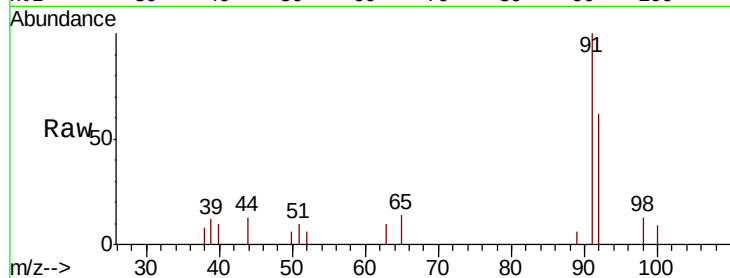
ClientSampleId :

Tot Ion: 91 Resp: 3432

Ion Ratio Lower Upper

91 100

92 61.8 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

2000

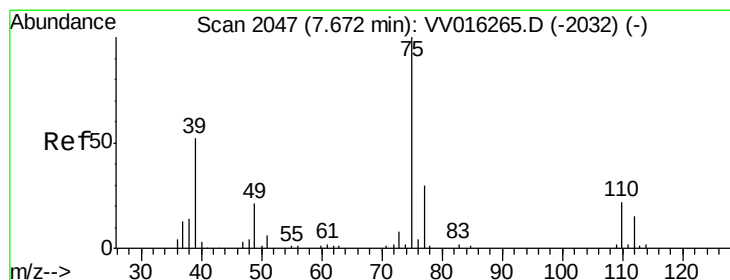
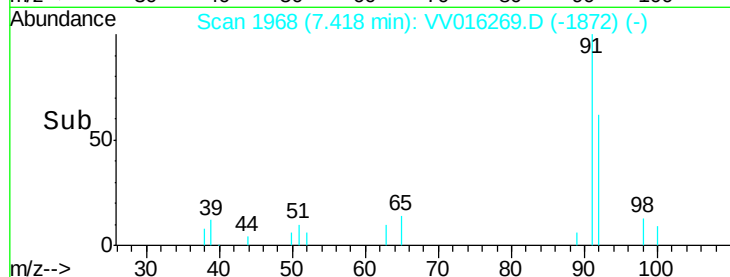
1500

1000

500

0

Time--> 7.35 7.40 7.45 7.50



#46

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV016269.D

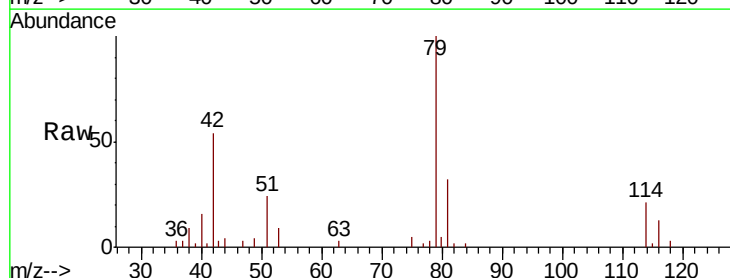
Acq: 28 May 2020 12:09

Tgt Ion: 75 Resp: 541

Ion Ratio Lower Upper

75 100

77 42.3 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

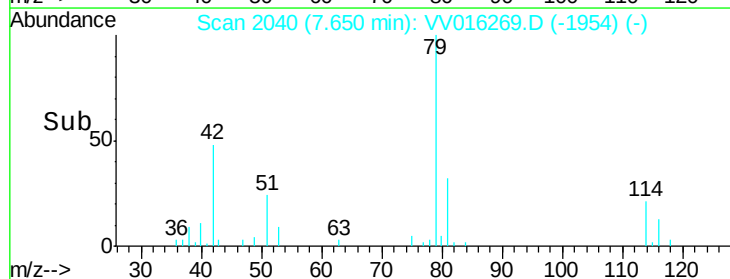
300

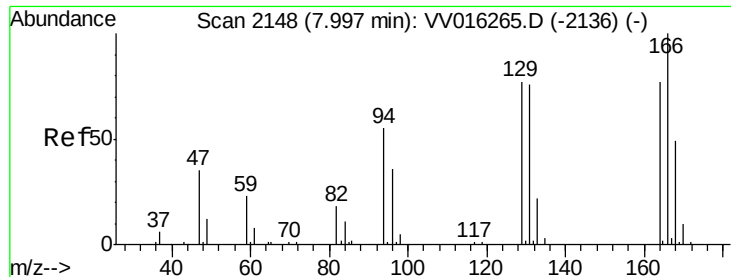
200

100

0

Time--> 7.62 7.64 7.66 7.68





#49

Tetrachloroethene

Concen: 17.263 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016269.D

Acq: 28 May 2020 12:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 81434

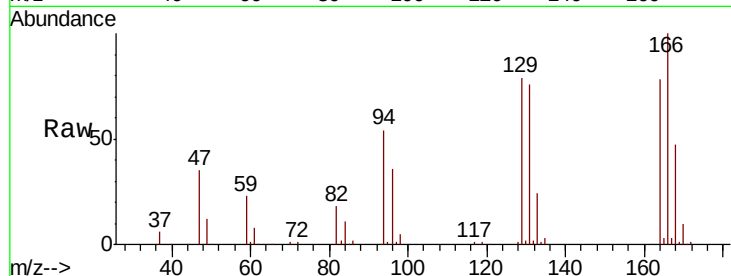
Ion Ratio Lower Upper

164 100

129 101.6 70.7 131.3

131 97.2 66.6 123.8

166 127.9 86.9 161.5

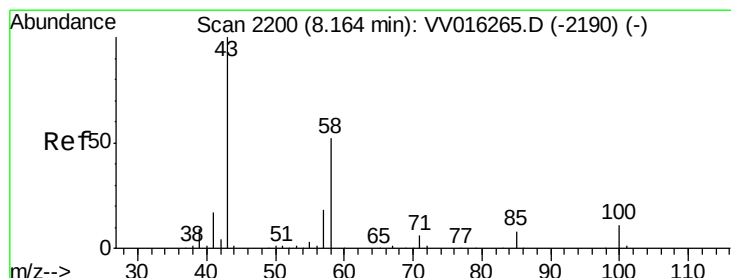
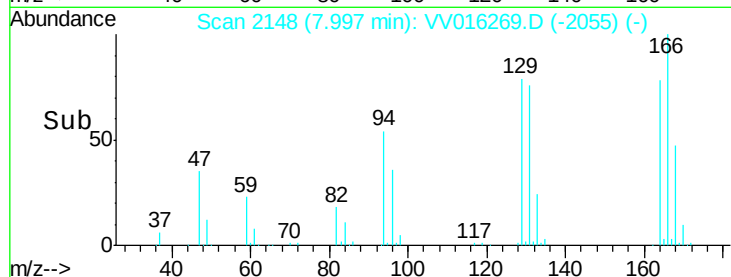
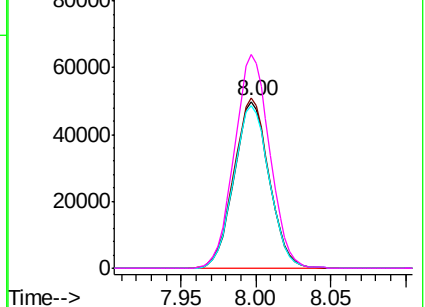


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 3.224 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016269.D

Acq: 28 May 2020 12:09

Tgt Ion: 43 Resp: 8653

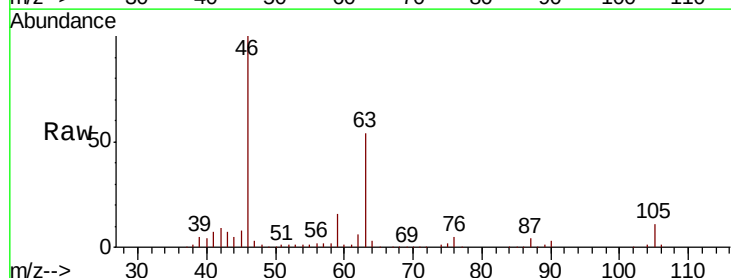
Ion Ratio Lower Upper

43 100

58 30.5 41.4 62.0#

57 23.1 15.0 22.4#

100 0.0 9.0 13.4#

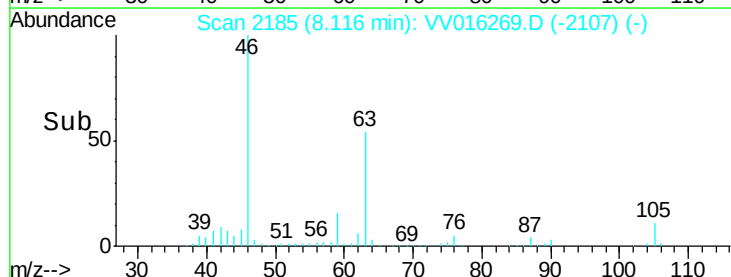
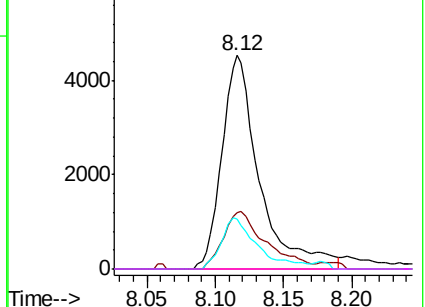


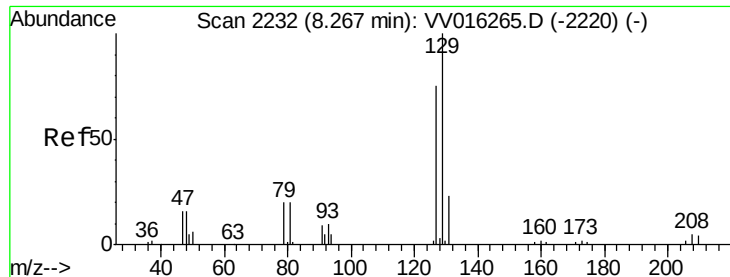
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

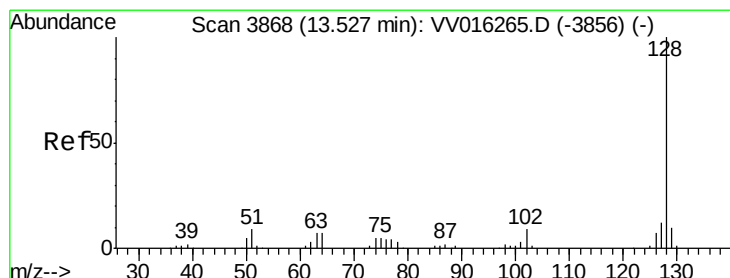
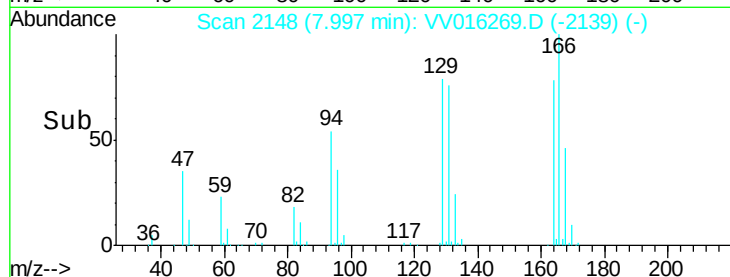
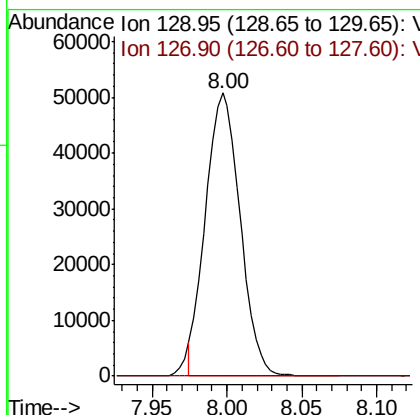
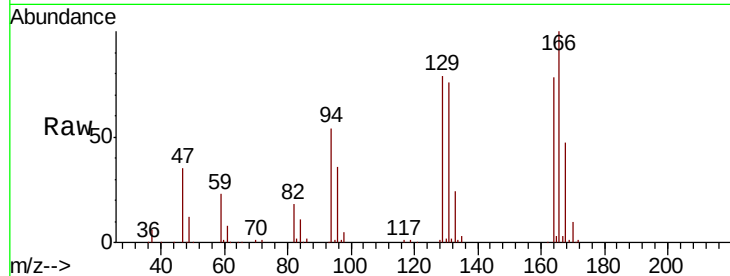




#51
 Dibromochloromethane
 Concen: 18.931 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.27 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 81582
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.2 102.4#



#70
 Naphthalene
 Concen: 0.088 ug/L
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: VV016269.D
 Acq: 28 May 2020 12:09

Tgt Ion:128 Resp: 1468
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.6 13.0#
 127 6.3 10.6 15.8#

