

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015670.D
 Acq On : 24 Apr 2020 13:48
 Operator : SY/MD
 Sample : L2416-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 25 00:18:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	127970	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122819	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	60003	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29610	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.58	69	29779	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.12	63	48609	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.90	46	107234	49.94	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.88%
24) Chloroform-d	4.38	84	75037	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.06	65	44292	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.08	84	142336	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.10	67	45358	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.34	98	128153	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.64	79	17415	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.11	63	81614	46.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.40%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32981	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	50898	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	868	0.092 ug/L	97
5) Vinyl chloride	1.32	62	2330	0.230 ug/L #	1
6) Bromomethane	1.53	94	554	0.127 ug/L	98
8) Chloroethane	1.34	64	341013	51.268 ug/L #	51
12) 1,1-Dichloroethene	2.12	96	600	0.081 ug/L #	1
13) Acetone	2.18	43	4001	2.683 ug/L	97
14) Carbon disulfide	2.31	76	2668	0.127 ug/L #	79
22) cis-1,2-Dichloroethene	3.94	96	6412	0.695 ug/L	91
25) Chloroform	4.41	83	1989	0.114 ug/L	99
33) Benzene	5.13	78	13642	0.389 ug/L	100
35) Methylcyclohexane	6.10	83	11324	0.761 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	5711	0.640 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1406	0.113 ug/L #	52
42) Toluene	7.41	91	20432	0.545 ug/L	94
48) 2-Hexanone	8.16	43	2703	0.655 ug/L #	77
53) m,p-xylene	9.16	106	1595	0.100 ug/L	91

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QLast Update : Sat Apr 25 00:15:39 2020
Response via : Initial Calibration

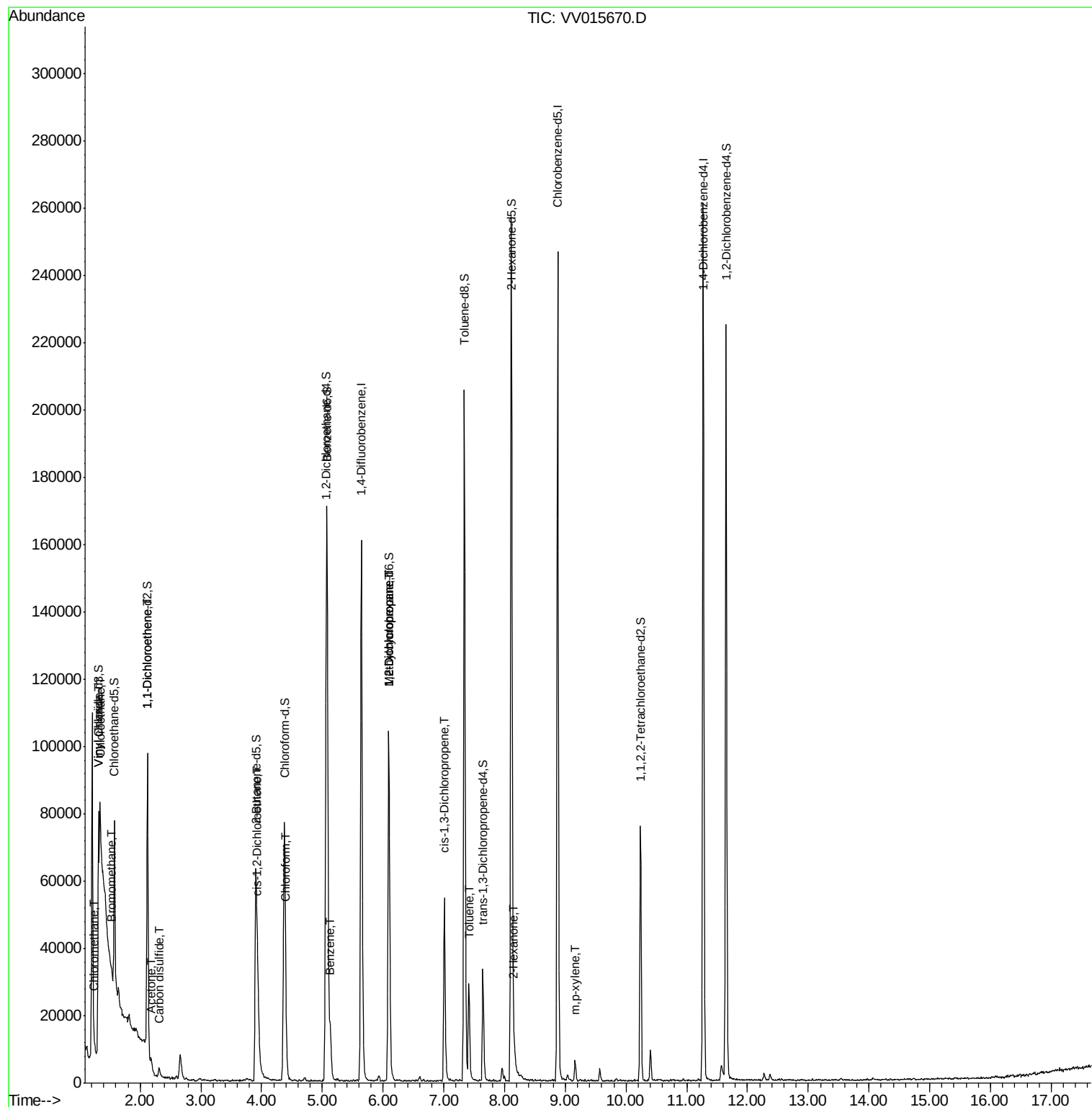
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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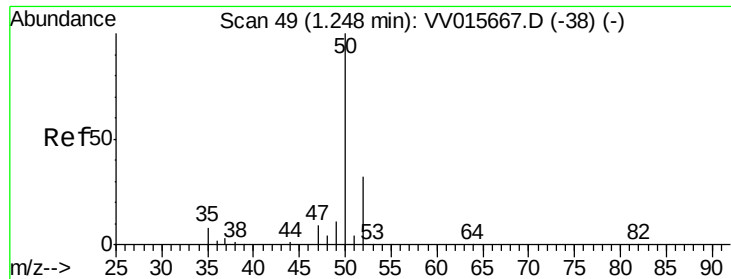
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015670.D

Acq: 24 Apr 2020 13:48

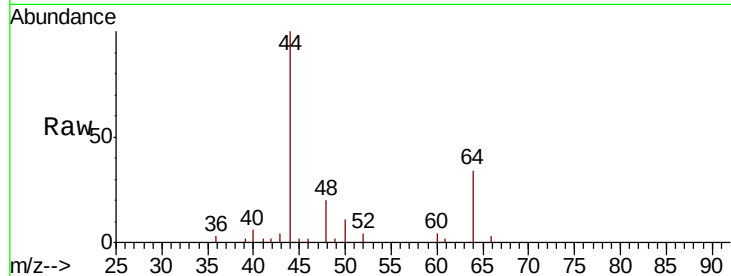
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 868

Ion Ratio Lower Upper

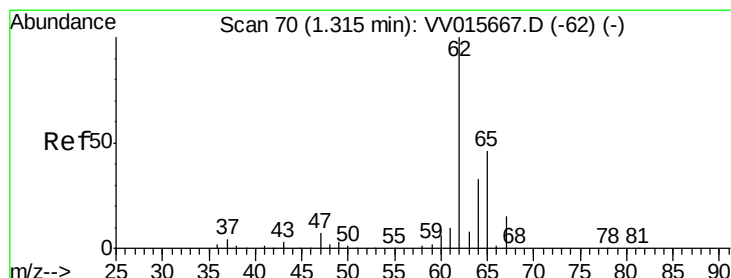
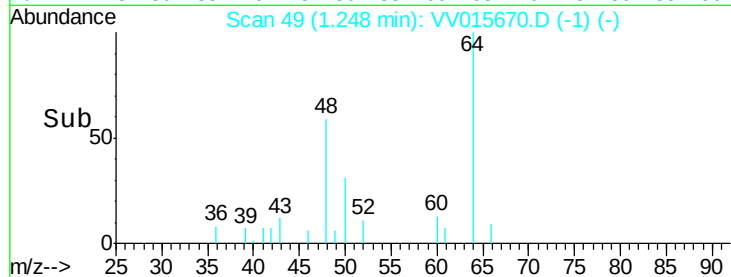
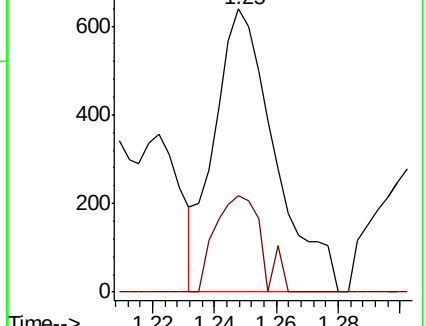
50 100

52 34.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015667.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV015667.D (-38) (-)



#5

Vinyl chloride

Concen: 0.230 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015670.D

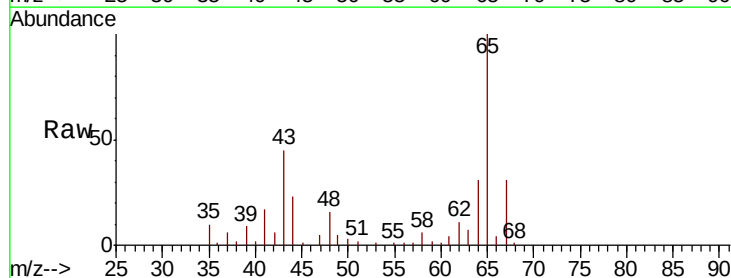
Acq: 24 Apr 2020 13:48

Tgt Ion: 62 Resp: 2330

Ion Ratio Lower Upper

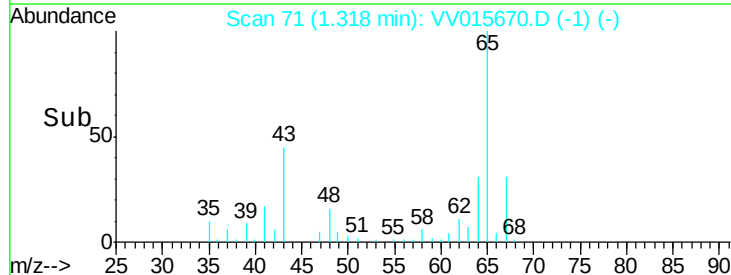
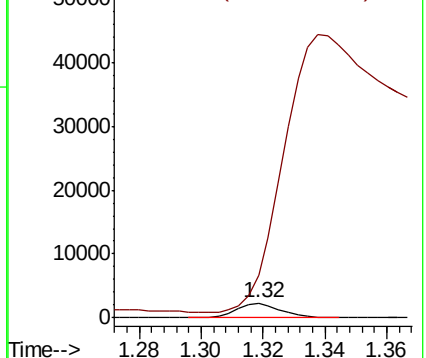
62 100

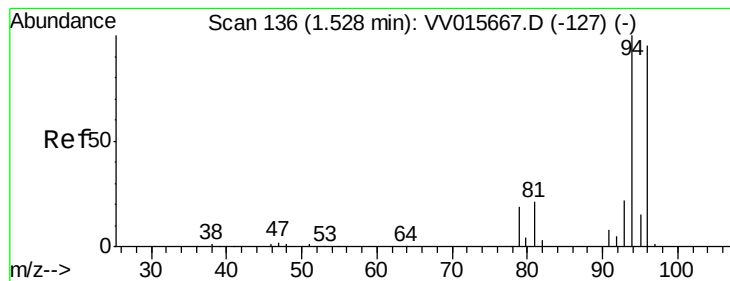
64 288.2 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VV015667.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV015667.D (-62) (-)





#6

Bromomethane

Concen: 0.127 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015670.D

Acq: 24 Apr 2020 13:48

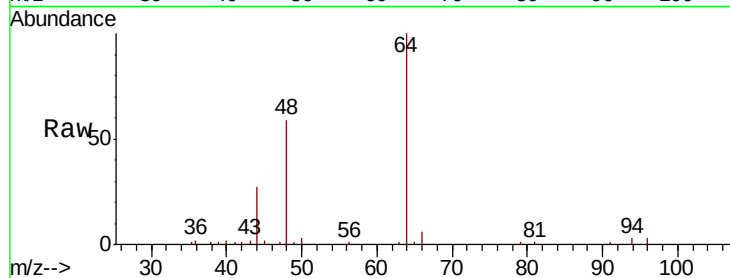
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 94 Resp: 554

Ion Ratio Lower Upper

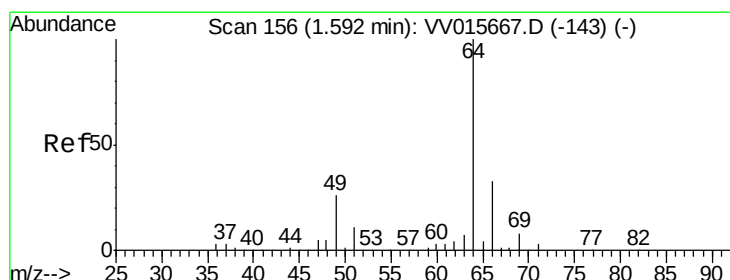
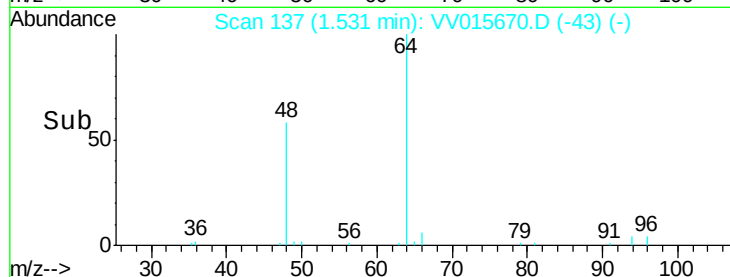
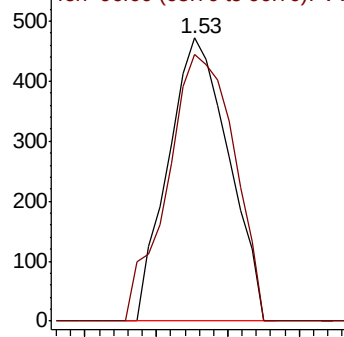
94 100

96 94.1 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#8

Chloroethane

Concen: 51.268 ug/L

RT: 1.34 min Scan# 77

Delta R.T. -0.25 min

Lab File: VV015670.D

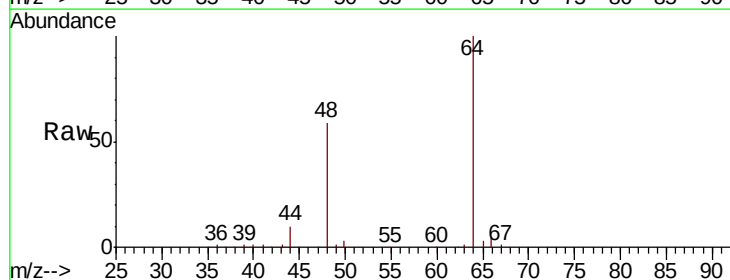
Acq: 24 Apr 2020 13:48

Tgt Ion: 64 Resp: 341013

Ion Ratio Lower Upper

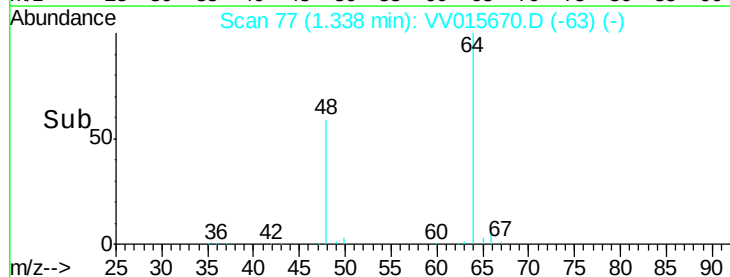
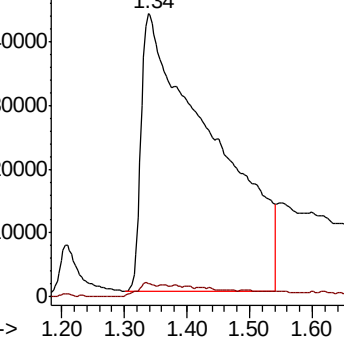
64 100

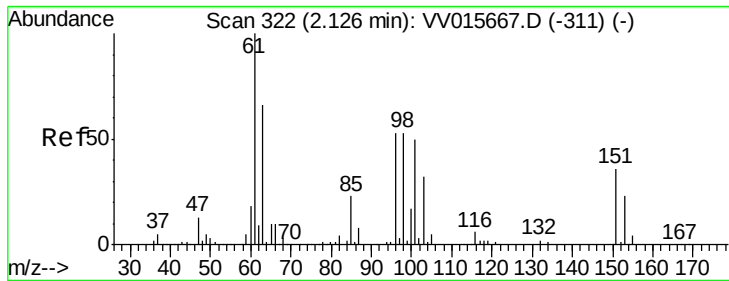
66 4.9 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

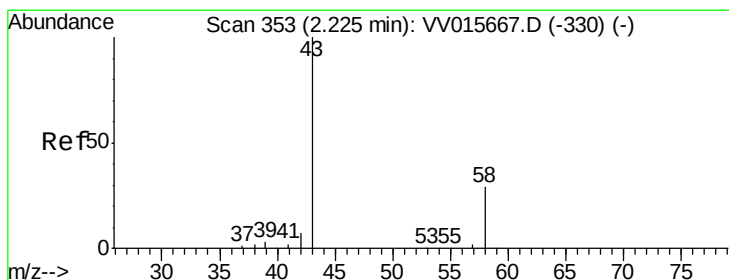
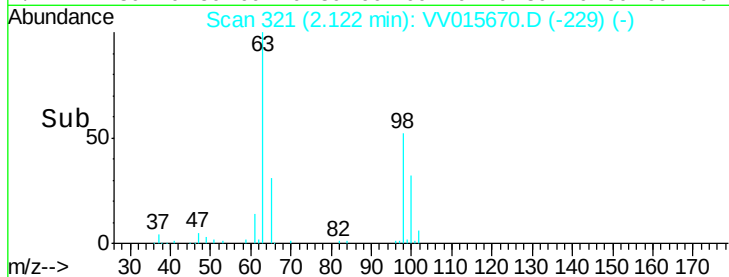
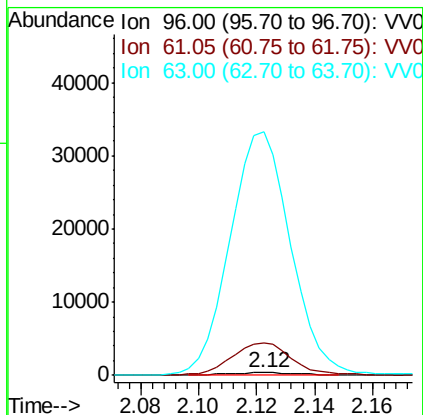
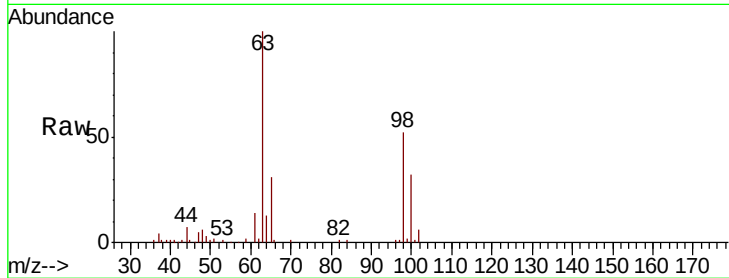




#12
 1,1-Dichloroethene
 Concen: 0.081 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VV015670.D
 Acq: 24 Apr 2020 13:48

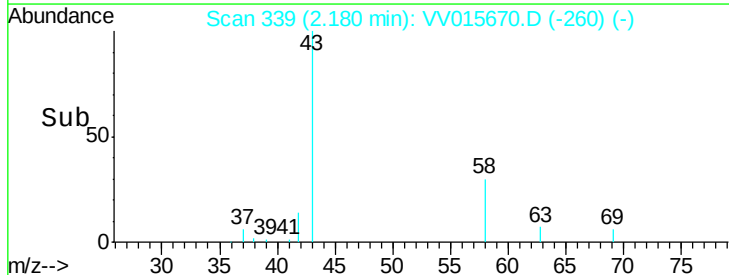
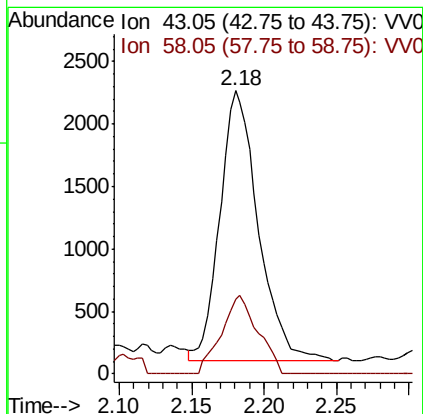
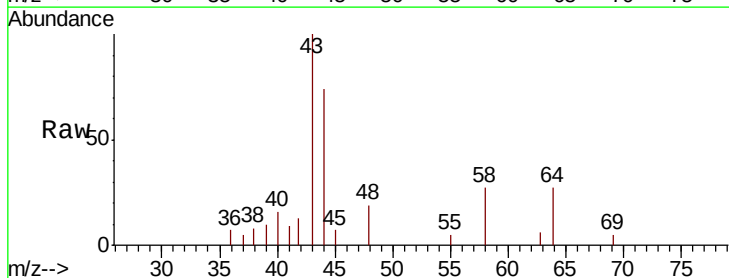
Instrument :
 MSVOA_V
 ClientSampleId :

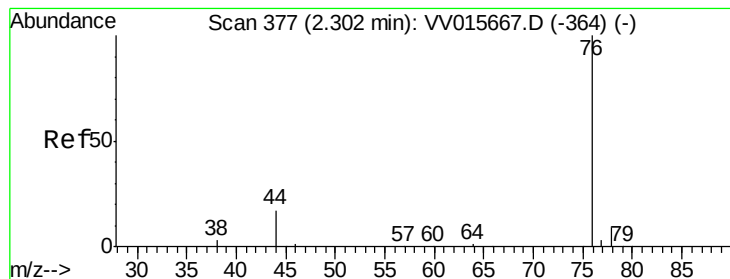
Tot Ion: 96 Resp: 600
 Ion Ratio Lower Upper
 96 100
 61 1253.2 130.1 241.7#
 63 9272.4 91.4 169.8#



#13
 Acetone
 Concen: 2.683 ug/L
 RT: 2.18 min Scan# 339
 Delta R.T. -0.05 min
 Lab File: VV015670.D
 Acq: 24 Apr 2020 13:48

Tgt Ion: 43 Resp: 4001
 Ion Ratio Lower Upper
 43 100
 58 27.4 0.0 57.6





#14

Carbon disulfide

Concen: 0.127 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV015670.D

Acq: 24 Apr 2020 13:48

Instrument :

MSVOA_V

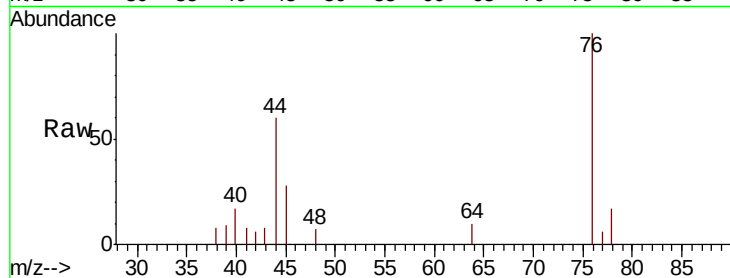
ClientSampleId :

Tot Ion: 76 Resp: 2668

Ion Ratio Lower Upper

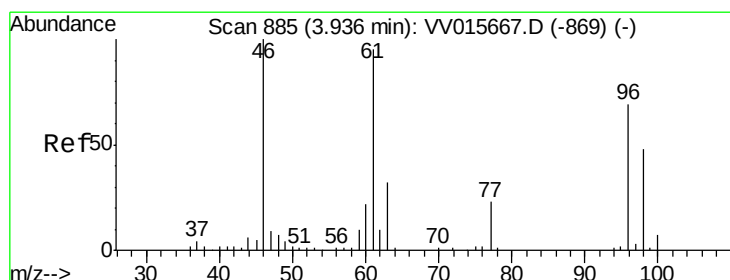
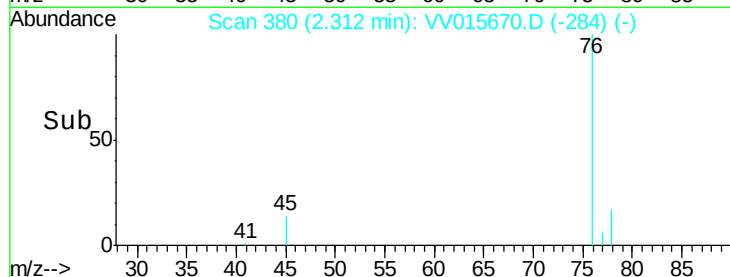
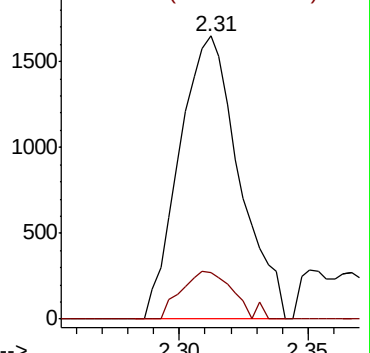
76 100

78 16.7 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.695 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015670.D

Acq: 24 Apr 2020 13:48

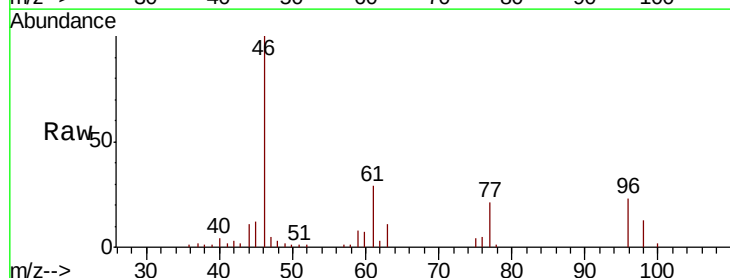
Tgt Ion: 96 Resp: 6412

Ion Ratio Lower Upper

96 100

61 127.0 96.4 179.0

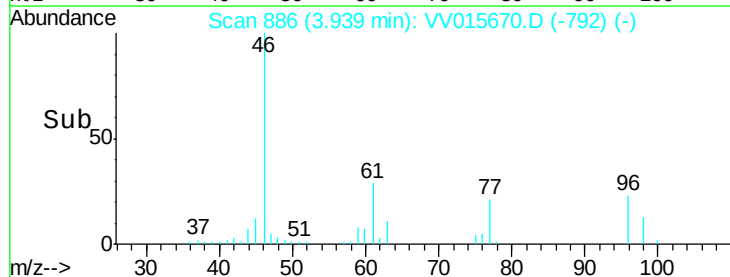
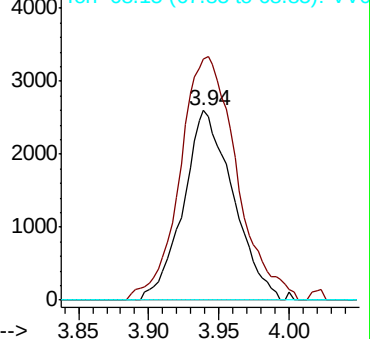
68 0.0 0.0 0.0

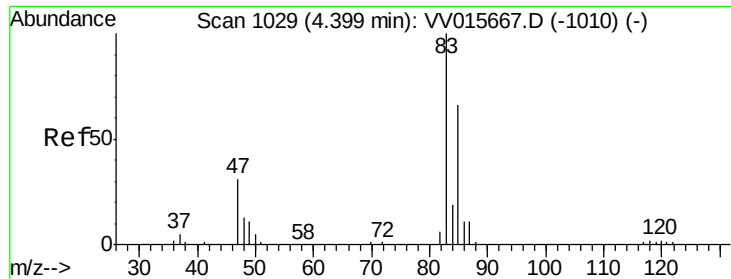


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

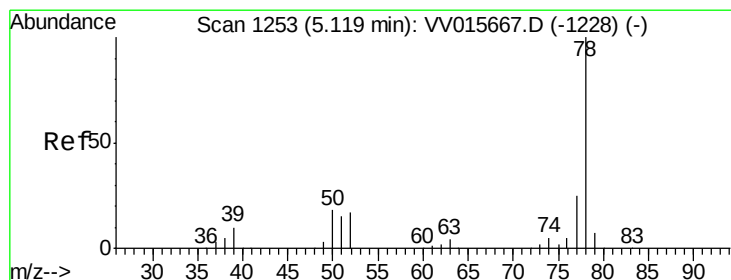
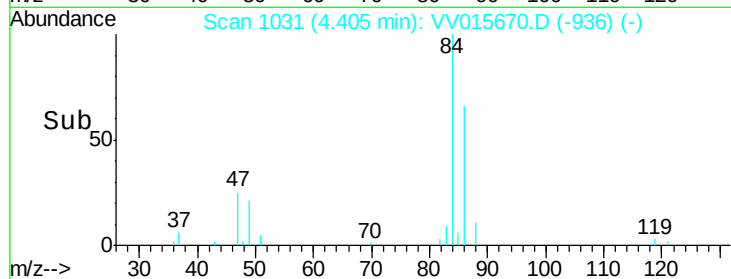
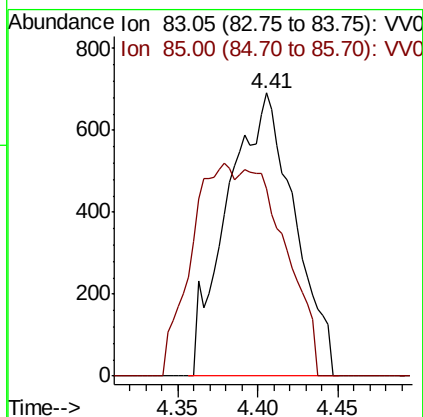
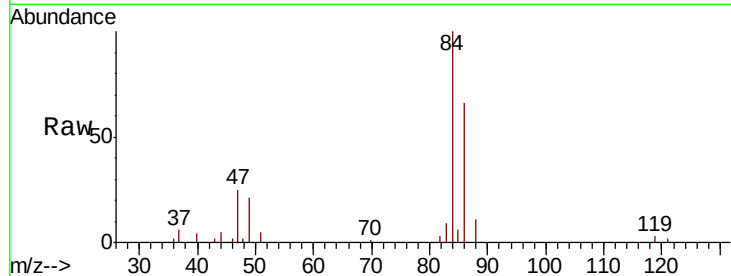




#25
Chloroform
Concen: 0.114 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015670.D
Acq: 24 Apr 2020 13:48

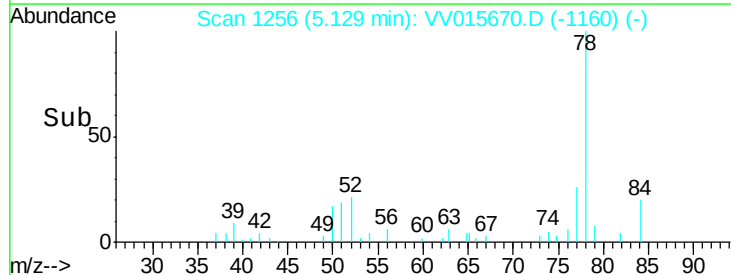
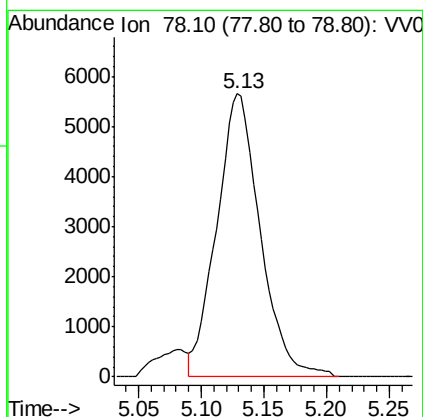
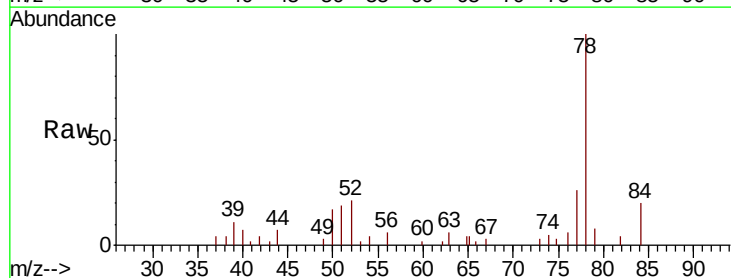
Instrument :
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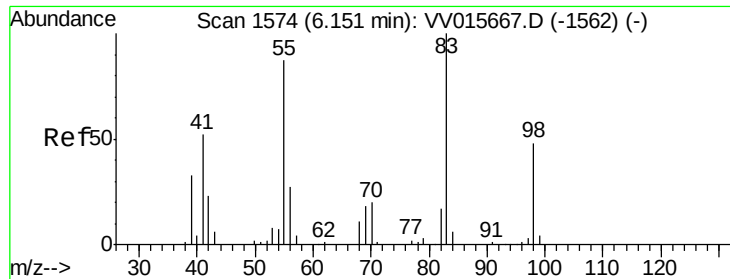
Tot Ion: 83 Resp: 1989
Ion Ratio Lower Upper
83 100
85 66.3 46.1 85.5



#33
Benzene
Concen: 0.389 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV015670.D
Acq: 24 Apr 2020 13:48

Tgt Ion: 78 Resp: 13642

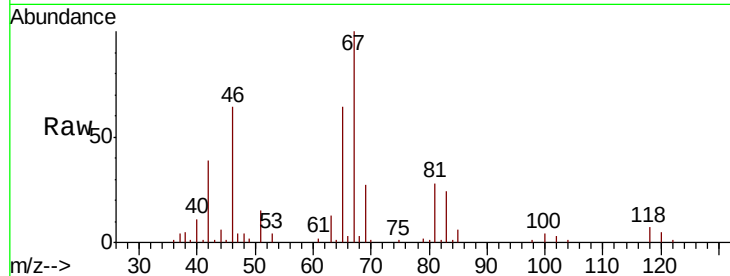




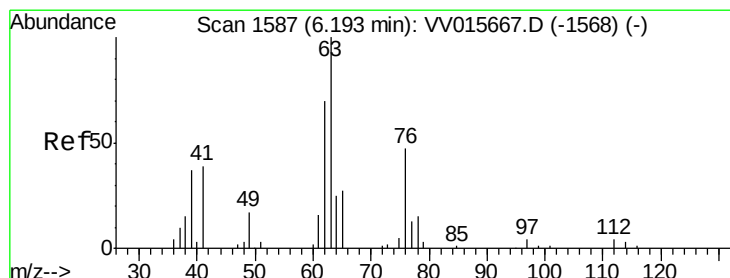
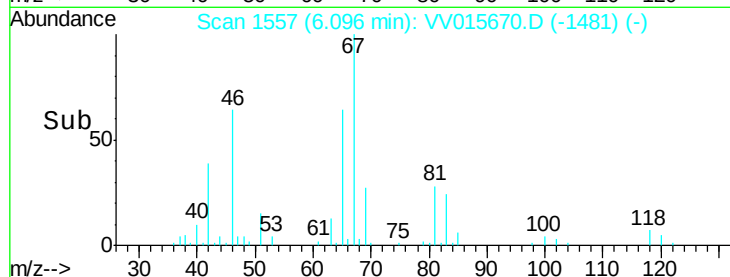
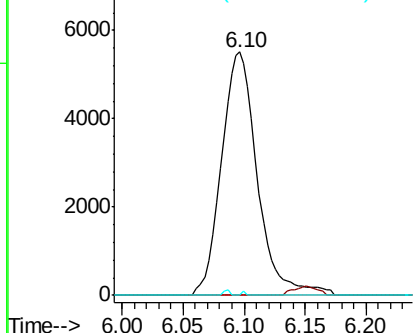
#35
Methvlcvclohexane
Concen: 0.761 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015670.D
Acq: 24 Apr 2020 13:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 11324
Ion Ratio Lower Upper
83 100
55 2.5 66.6 99.8#
98 0.2 39.5 59.3#

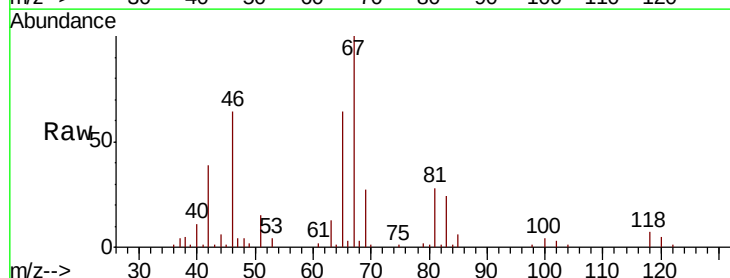


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

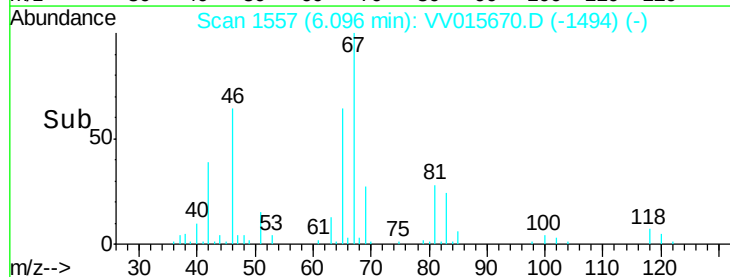
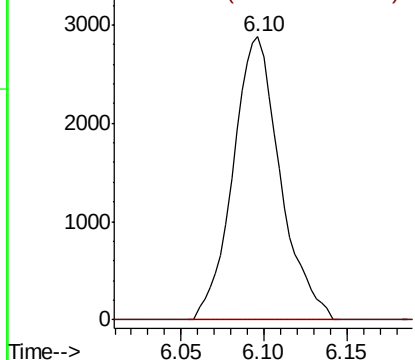


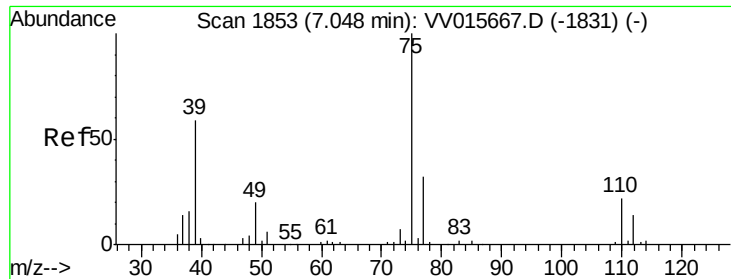
#37
1,2-Dichloropropane
Concen: 0.640 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015670.D
Acq: 24 Apr 2020 13:48

Tgt Ion: 63 Resp: 5711
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

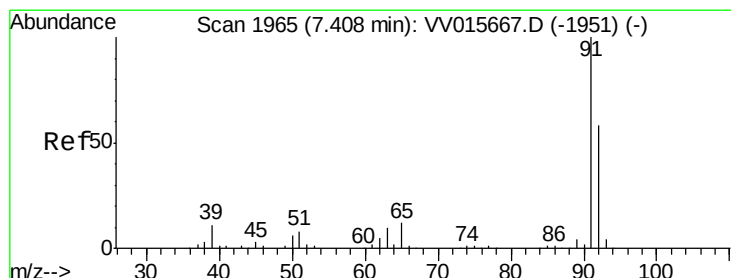
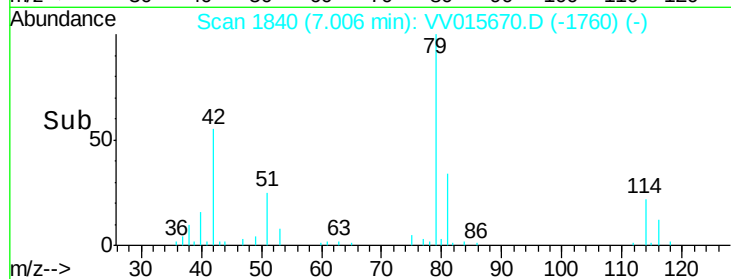
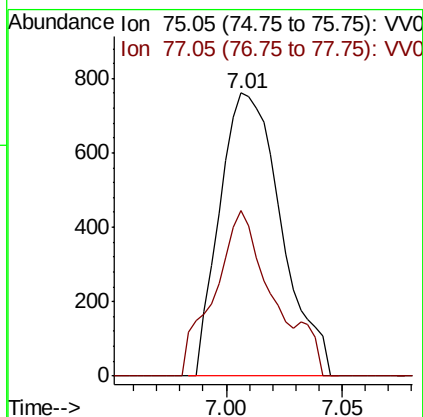
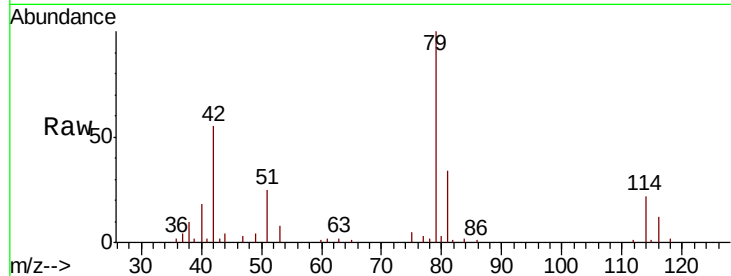




#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015670.D
 Acq: 24 Apr 2020 13:48

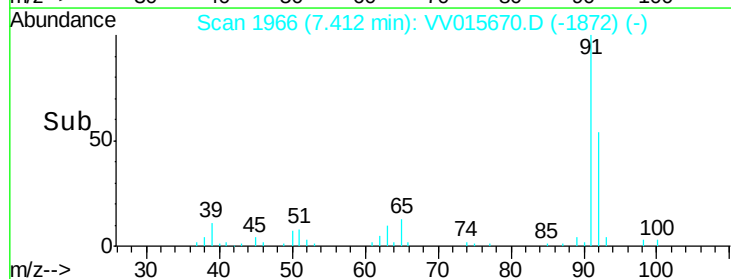
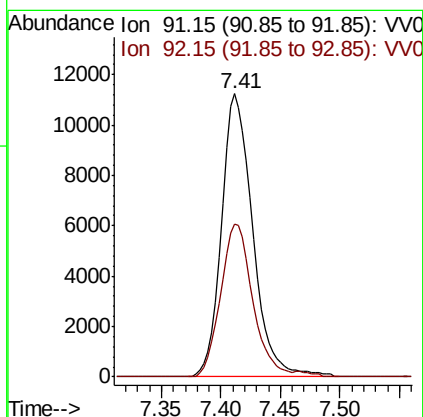
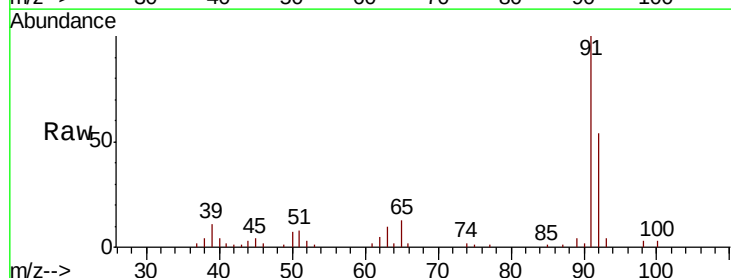
Instrument :
 MSVOA_V
 ClientSampleId :

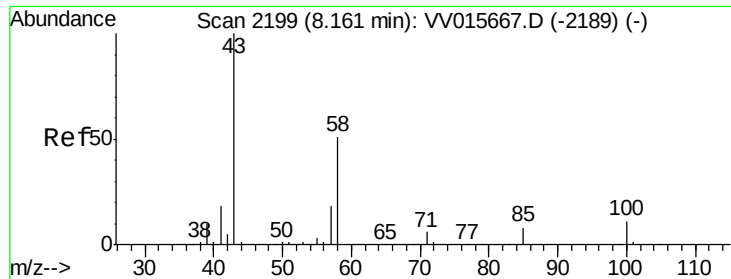
Tot Ion: 75 Resp: 1406
 Ion Ratio Lower Upper
 75 100
 77 58.5 22.3 41.5#



#42
 Toluene
 Concen: 0.545 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV015670.D
 Acq: 24 Apr 2020 13:48

Tgt Ion: 91 Resp: 20432
 Ion Ratio Lower Upper
 91 100
 92 54.0 40.7 75.7

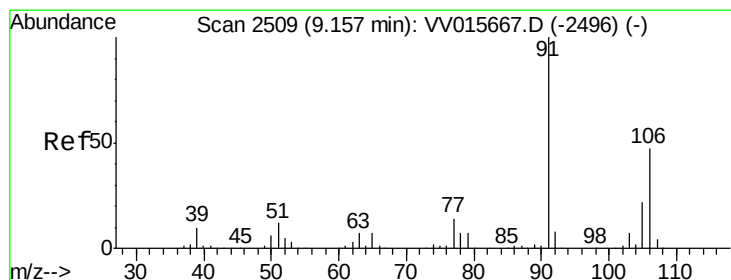
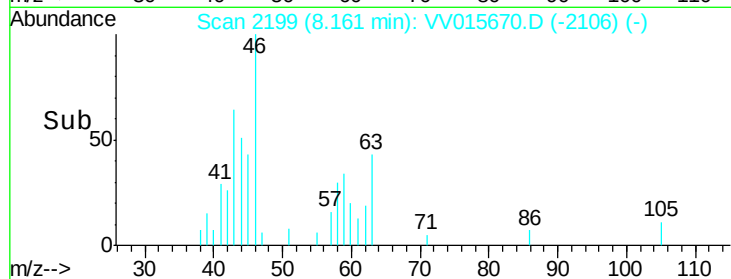
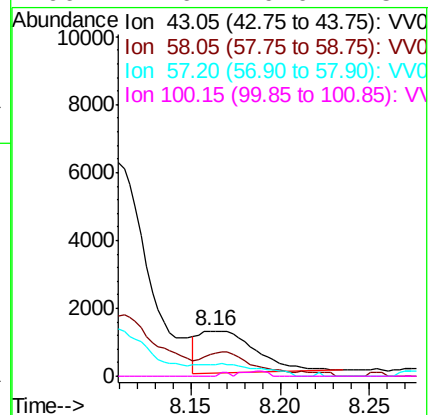
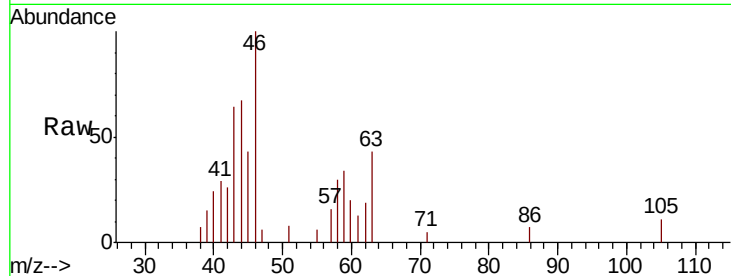




#48
2-Hexanone
Concen: 0.655 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV015670.D
Acq: 24 Apr 2020 13:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2703
Ion Ratio Lower Upper
43 100
58 40.4 41.1 61.7#
57 0.0 15.0 22.4#
100 1.6 9.0 13.4#



#53
m,p-xylene
Concen: 0.100 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015670.D
Acq: 24 Apr 2020 13:48

Tgt Ion:106 Resp: 1595
Ion Ratio Lower Upper
106 100
91 197.1 147.8 274.4

