

Data File : VV013240.D
Acq On : 19 Oct 2019 08:12
Operator : SY/MD
Sample : K5404-09
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AC1

Quant Time: Oct 21 01:31:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 21 01:27:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	469759	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	515183	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	283845	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	221897	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.58	69	180468	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.13	63	264859	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.96	46	523150	52.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.96%
24) Chloroform-d	4.40	84	432996	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.08	65	212830	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	891023	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.12	67	270539	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	730952	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	7.66	79	90036	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.14	63	357295	42.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	190949	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	296268	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	20621	0.417	ug/L #	59
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3053	0.077	ug/L #	15
12) 1,1-Dichloroethene	2.13	96	2882	0.076	ug/L #	1
13) Acetone	2.24	43	8681	1.920	ug/L	99
14) Carbon disulfide	2.32	76	4923	0.046	ug/L #	65
17) Methyl tert-butyl Ether	2.81	73	11368	0.112	ug/L #	92
33) Benzene	5.15	78	16869	0.081	ug/L	100
35) Methylcyclohexane	6.12	83	65165	0.789	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	29938	0.585	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	6168	0.090	ug/L #	52
42) Toluene	7.43	91	27010	0.127	ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	4272	0.081	ug/L #	68
48) 2-Hexanone	8.14	43	53542	2.678	ug/L #	91
51) Chlorobenzene	8.92	112	653992	4.770	ug/L	98
62) 1,3-Dichlorobenzene	11.31	146	125231	1.232	ug/L	96
63) 1,4-Dichlorobenzene	11.31	146	125231	1.237	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	10780	0.112	ug/L	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Quantitation Report (Not Reviewed)

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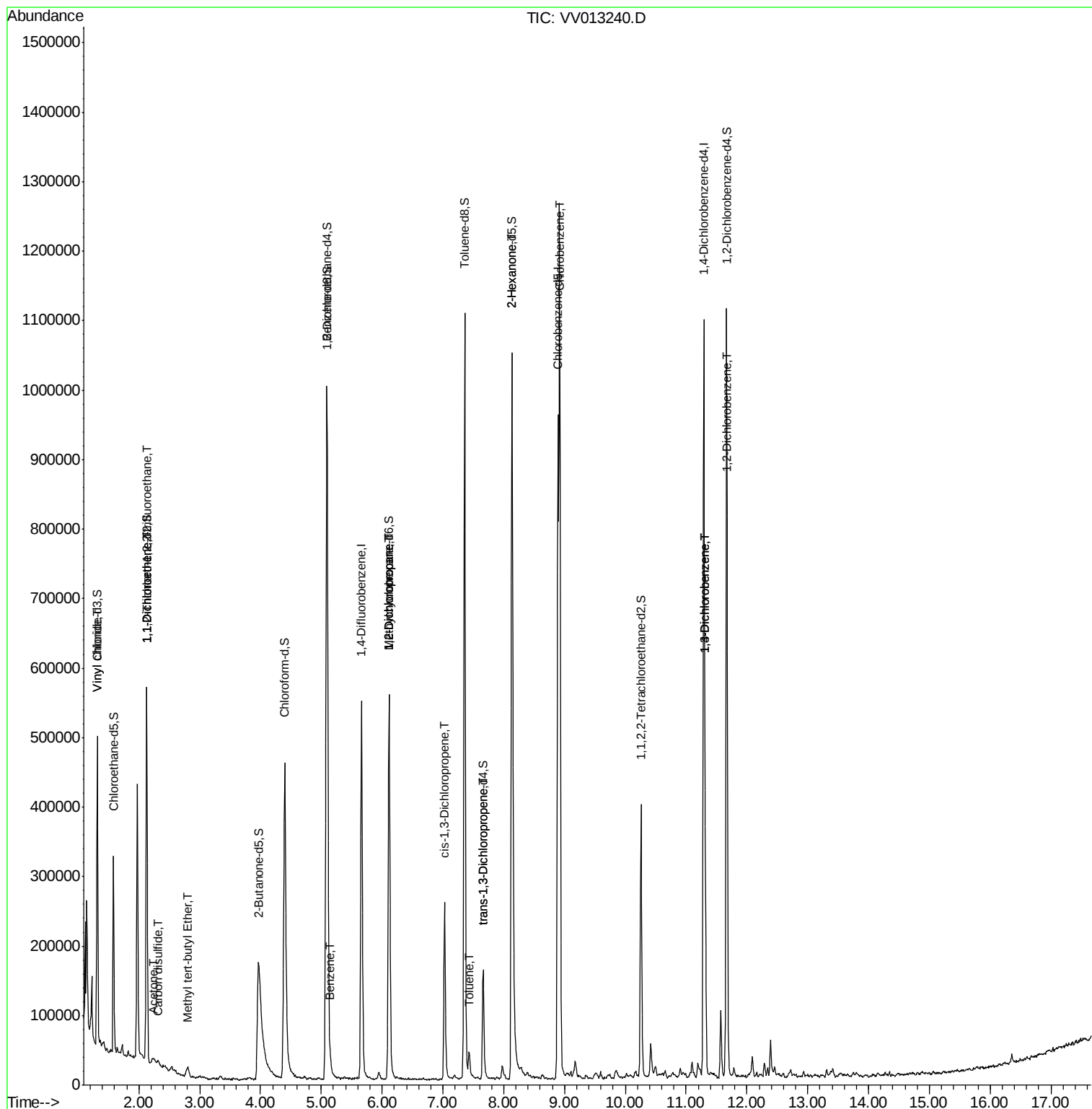
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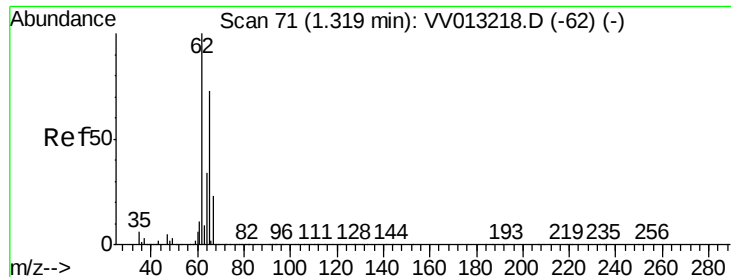
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.417 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

Instrument :

MSVOA_V

ClientSampleId :

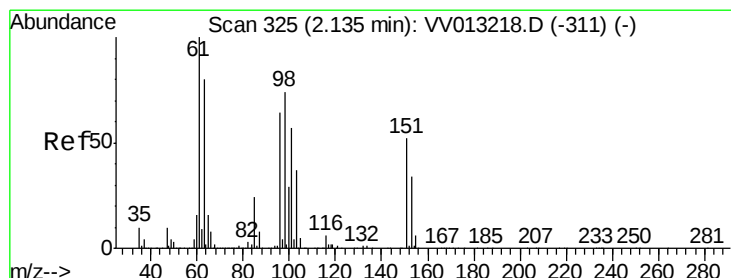
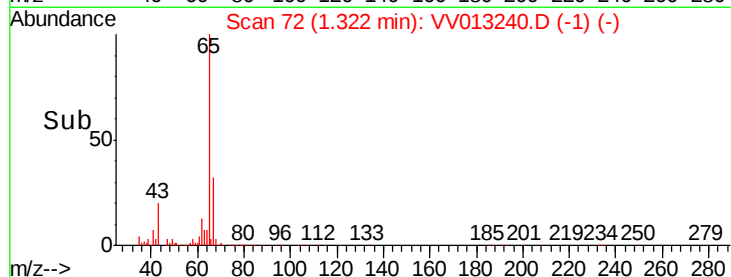
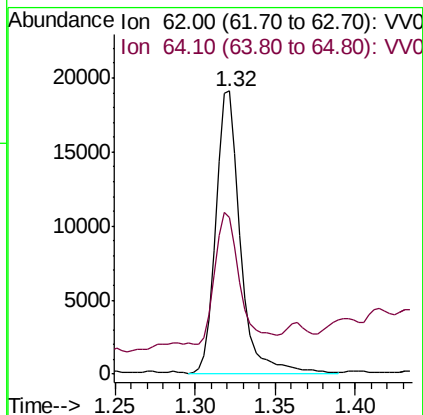
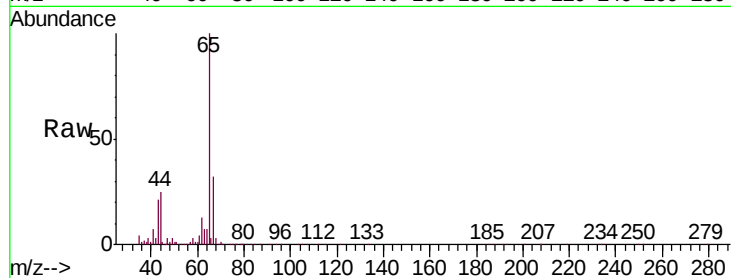
C0AC1

Tgt Ion: 62 Resp: 20621

Ion Ratio Lower Upper

62 100

64 55.5 22.7 42.3#



#10

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

Concen: 0.077 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

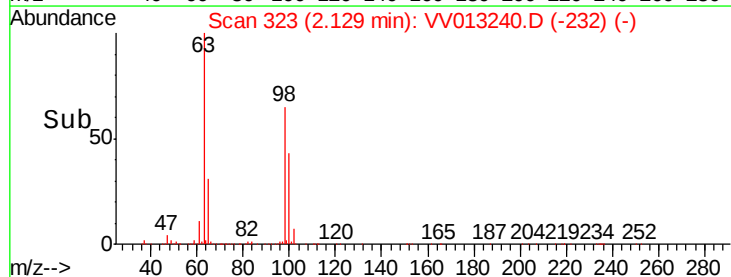
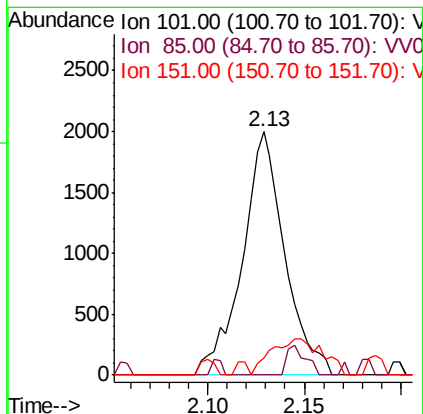
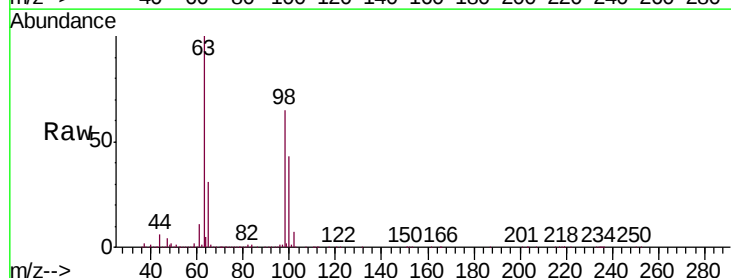
Tgt Ion: 101 Resp: 3053

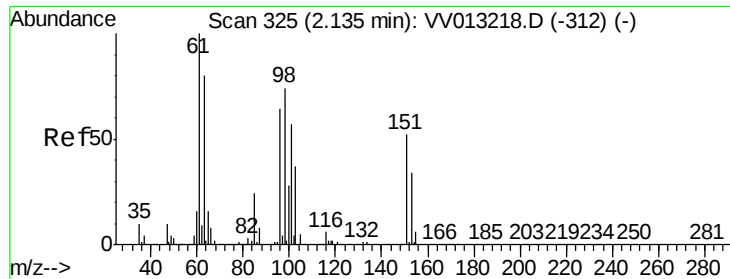
Ion Ratio Lower Upper

101 100

85 0.0 32.4 48.6#

151 1.3 71.9 107.9#





#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

Instrument :

MSVOA_V

ClientSampleId :

C0AC1

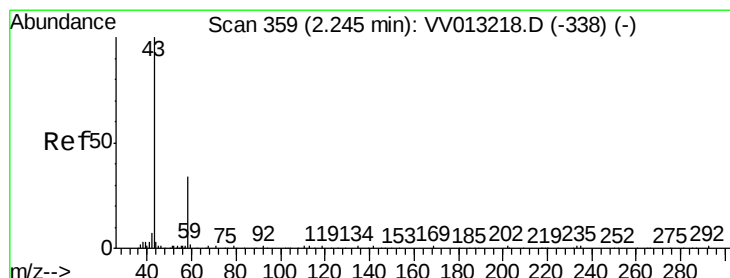
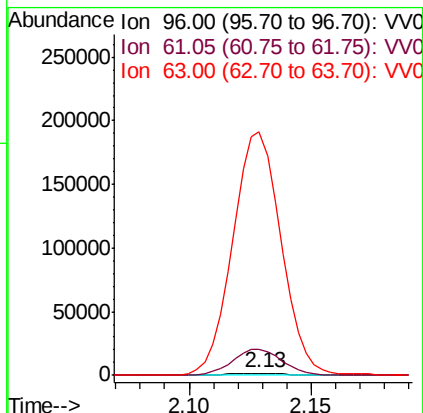
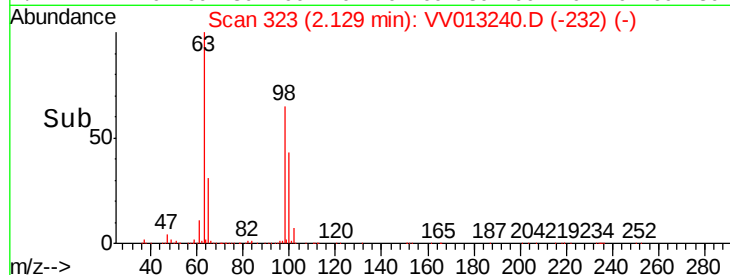
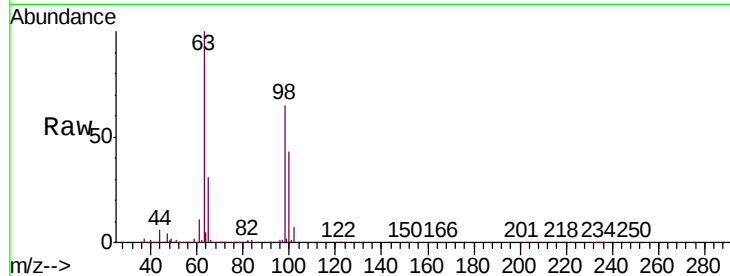
Tgt Ion: 96 Resp: 2882

Ion Ratio Lower Upper

96 100

61 1132.9 109.8 204.0#

63 10415.7 72.6 134.8#



#13

Acetone

Concen: 1.920 ug/L

RT: 2.24 min Scan# 357

Delta R.T. -0.01 min

Lab File: VV013240.D

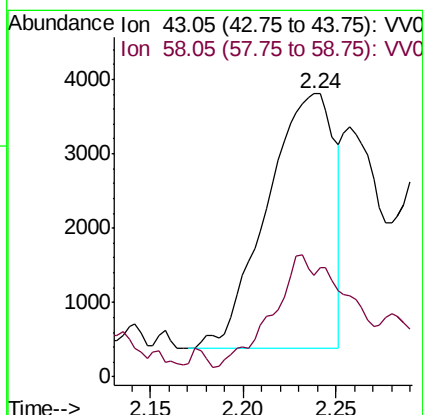
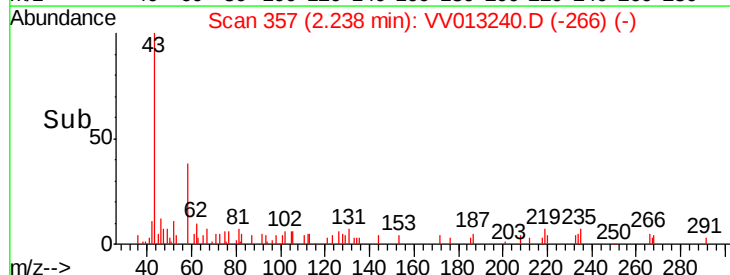
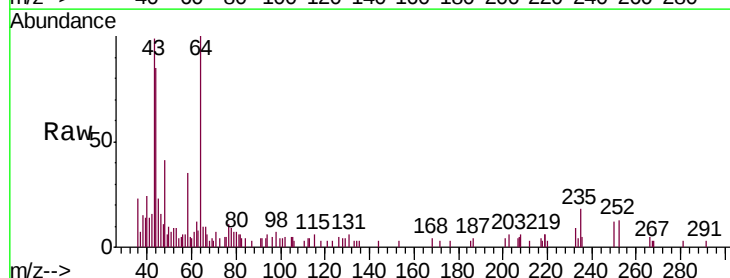
Acq: 19 Oct 2019 08:12

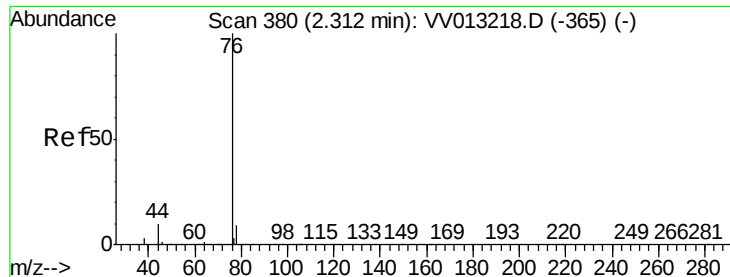
Tgt Ion: 43 Resp: 8681

Ion Ratio Lower Upper

43 100

58 26.8 0.0 52.4





#14

Carbon disulfide

Concen: 0.046 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

Instrument :

MSVOA_V

ClientSampled :

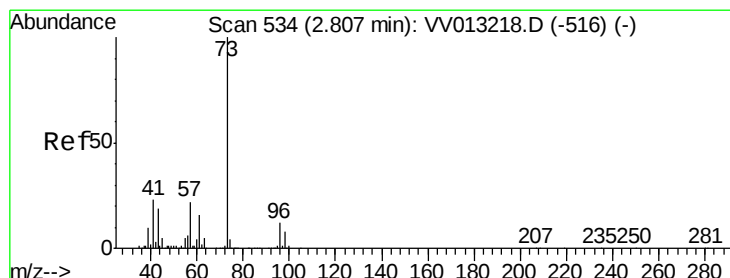
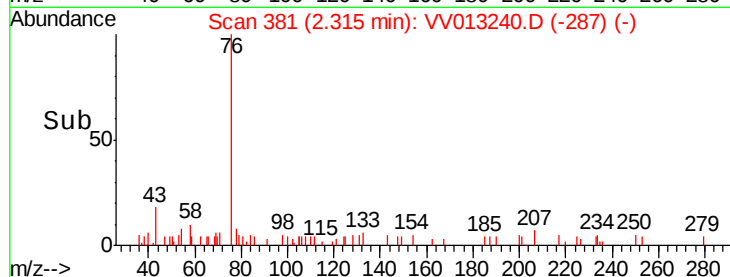
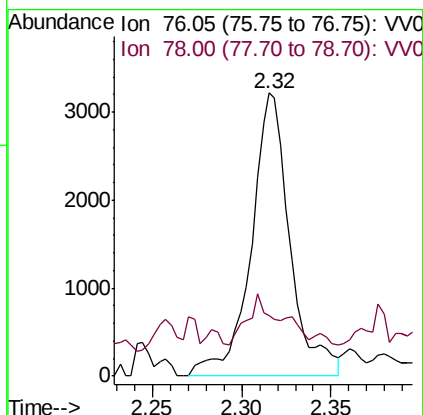
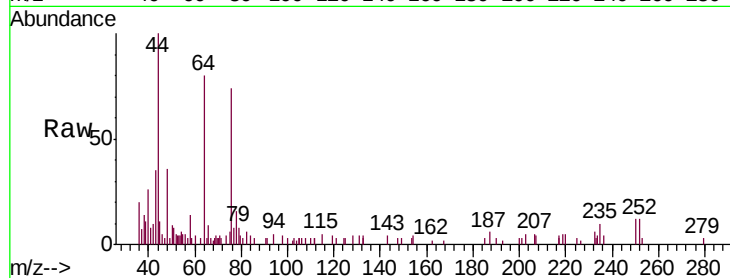
C0AC1

Tgt Ion: 76 Resp: 4923

Ion Ratio Lower Upper

76 100

78 21.4 7.1 10.7#



#17

Methyl tert-butyl Ether

Concen: 0.112 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

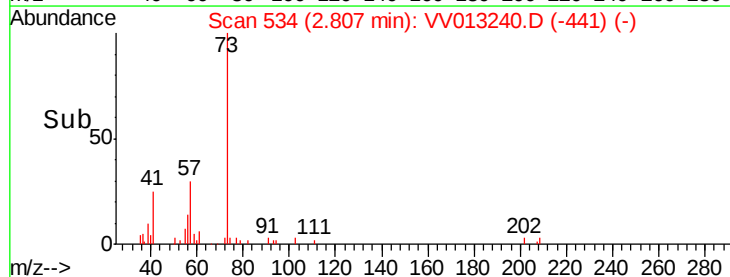
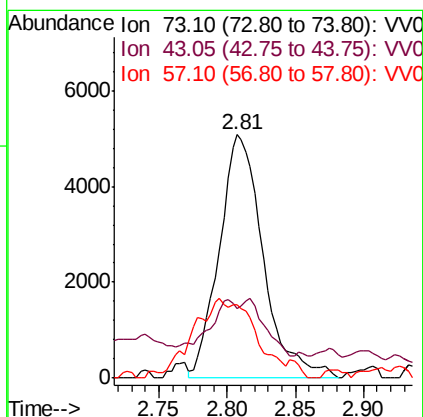
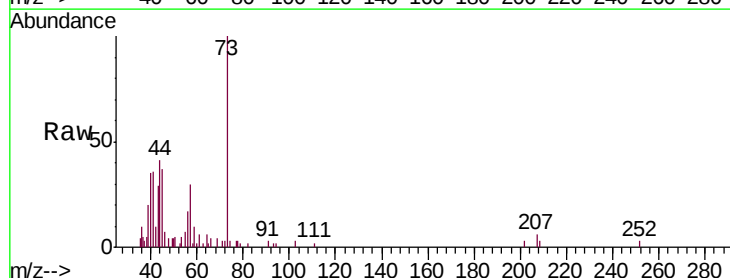
Tgt Ion: 73 Resp: 11368

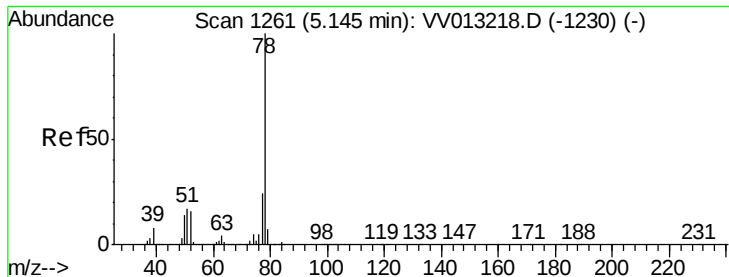
Ion Ratio Lower Upper

73 100

43 11.5 14.6 22.0#

57 22.9 17.8 26.8





#33

Benzene

Concen: 0.081 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

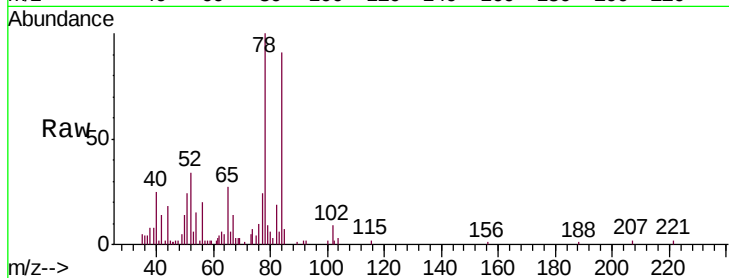
Instrument :

MSVOA_V

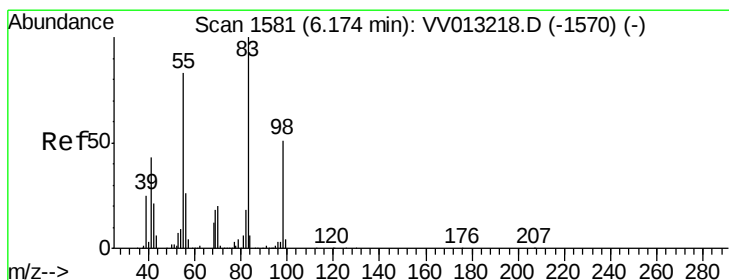
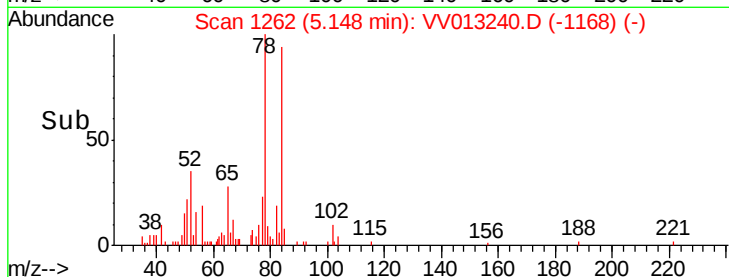
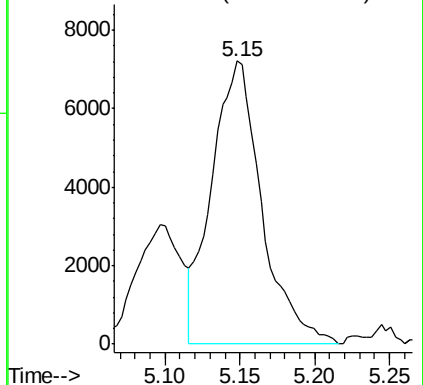
ClientSampleId :

C0AC1

Tgt Ion: 78 Resp: 16869



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.789 ug/L

RT: 6.12 min Scan# 1563

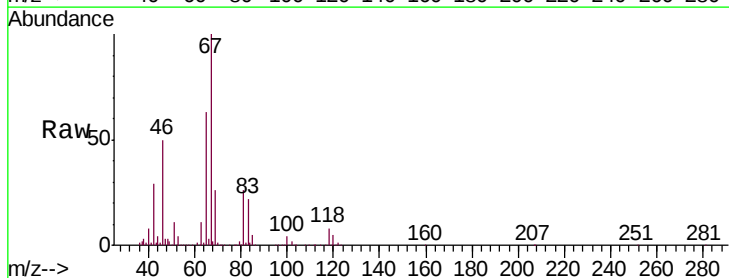
Delta R.T. -0.06 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

Tgt Ion: 83 Resp: 65165

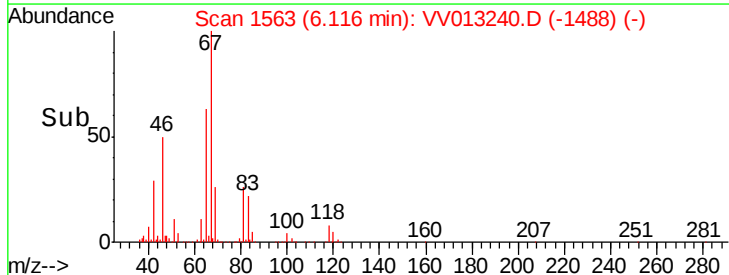
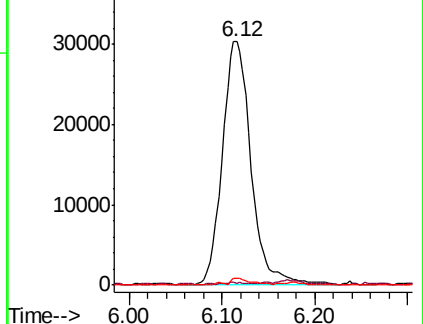
Ion	Ratio	Lower	Upper
83	100		
55	1.0	64.0	96.0#
98	2.0	38.6	57.8#

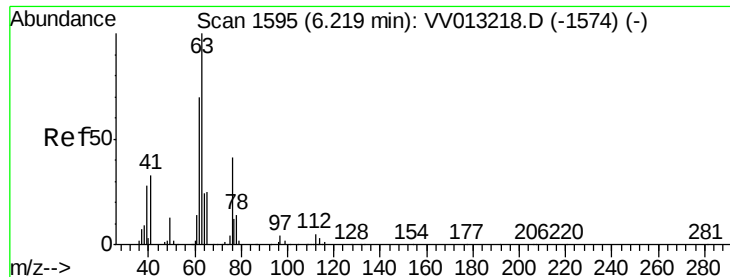


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.585 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

Instrument :

MSVOA_V

ClientSampleId :

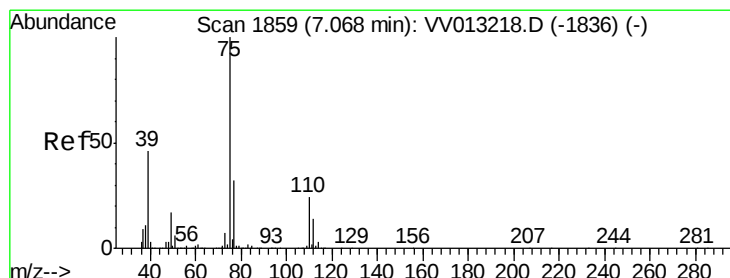
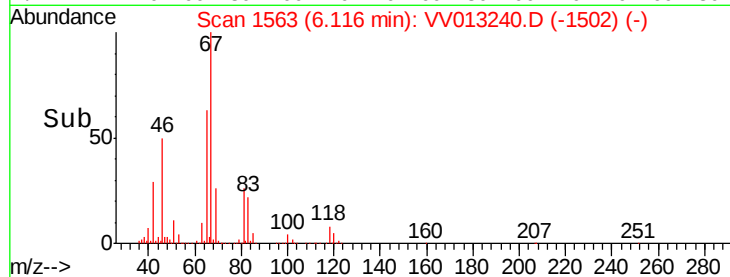
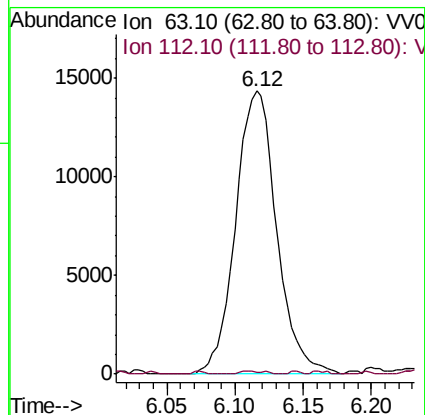
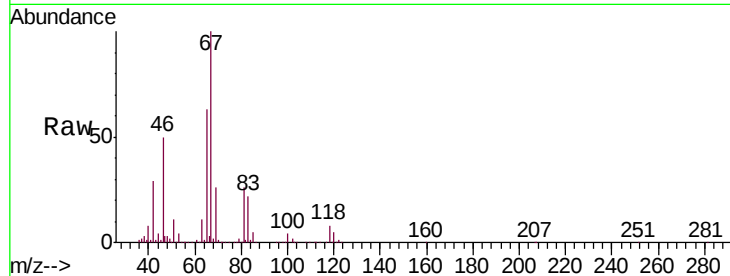
C0AC1

Tgt Ion: 63 Resp: 29938

Ion Ratio Lower Upper

63 100

112 0.7 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV013240.D

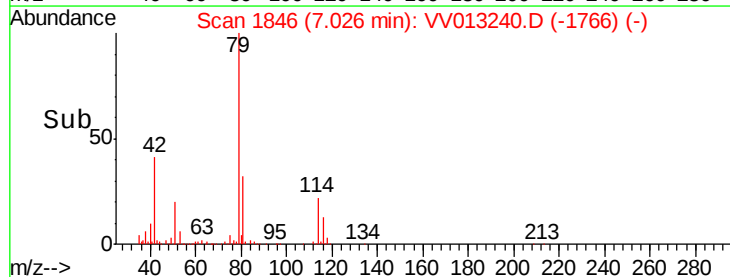
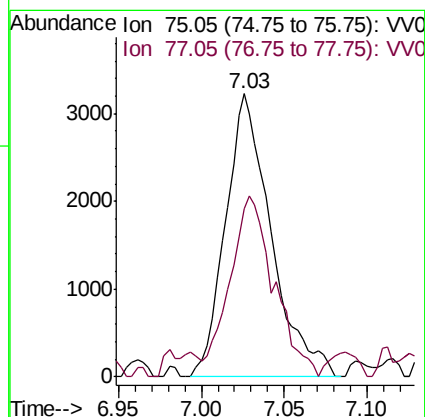
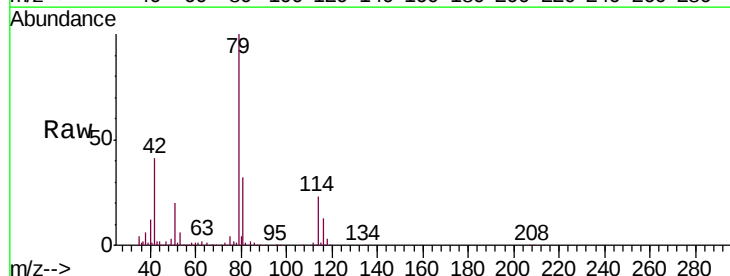
Acq: 19 Oct 2019 08:12

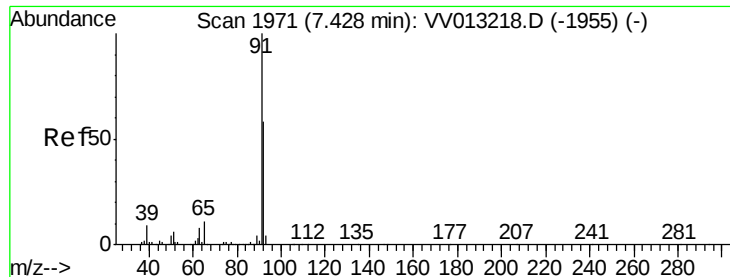
Tgt Ion: 75 Resp: 6168

Ion Ratio Lower Upper

75 100

77 59.3 22.6 42.0#





#42

Toluene

Concen: 0.127 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

Instrument :

MSVOA_V

ClientSampleId :

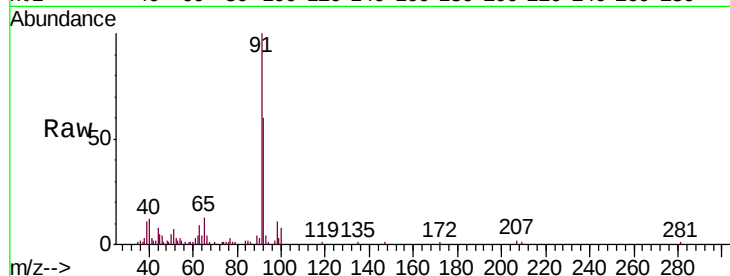
C0AC1

Tgt Ion: 91 Resp: 27010

Ion Ratio Lower Upper

91 100

92 60.2 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

15000

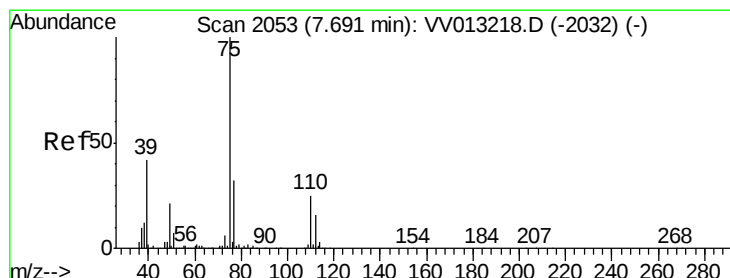
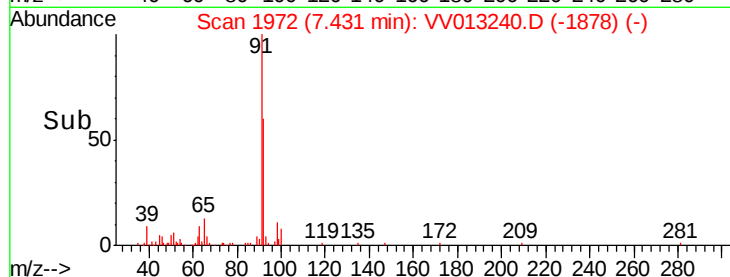
10000

5000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013240.D

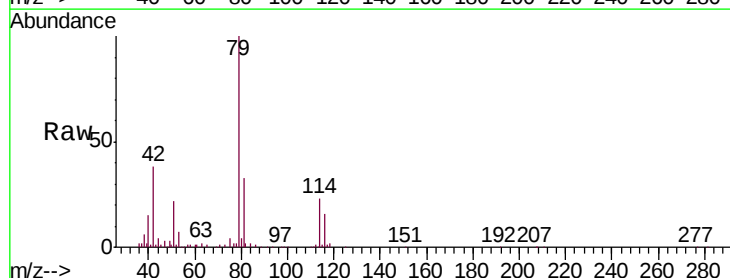
Acq: 19 Oct 2019 08:12

Tgt Ion: 75 Resp: 4272

Ion Ratio Lower Upper

75 100

77 48.7 21.8 40.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

2500

2000

1500

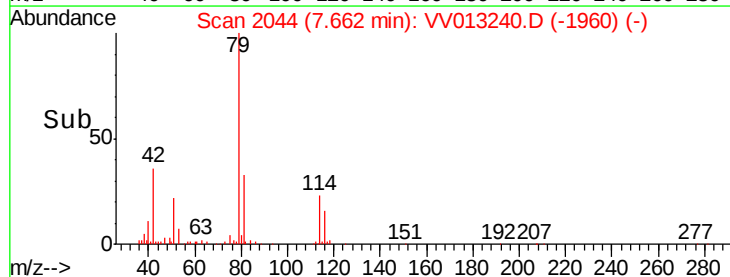
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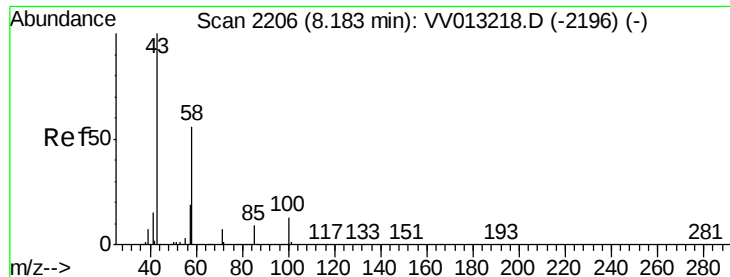
500

0

7.60 7.65 7.70

Time-->

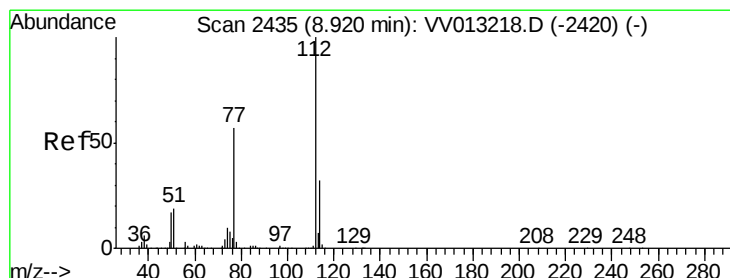
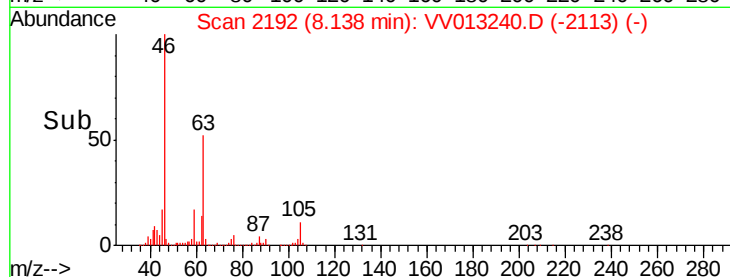
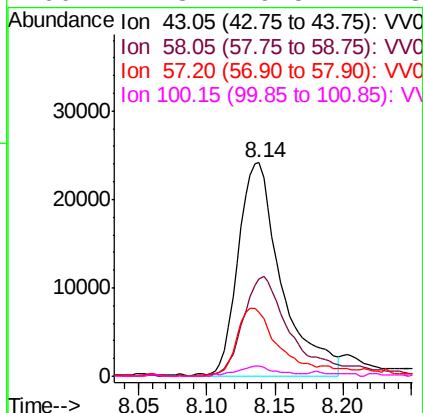
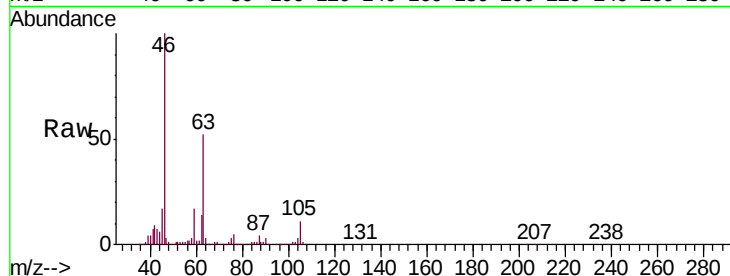




#48
2-Hexanone
Concen: 2.678 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV013240.D
Acq: 19 Oct 2019 08:12

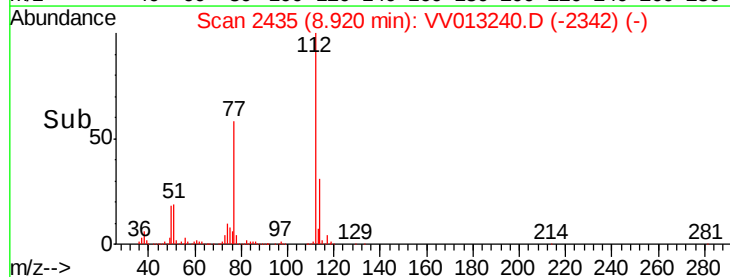
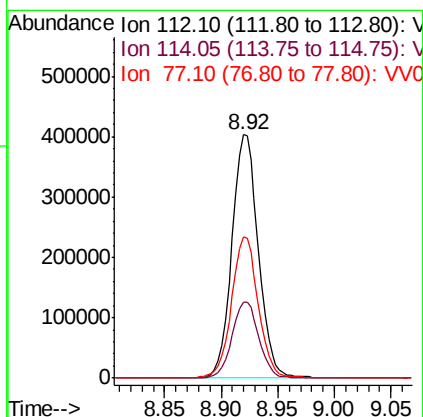
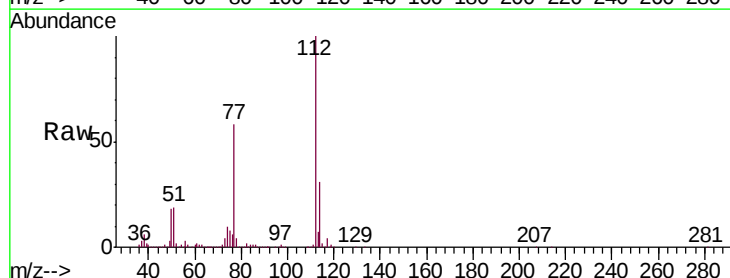
Instrument :
MSVOA_V
ClientSampleId :
C0AC1

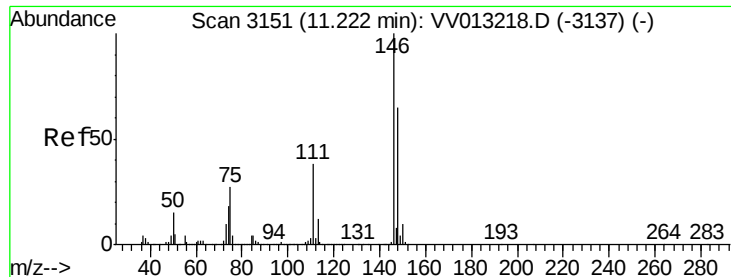
Tgt Ion:	43	Resp:	53542
Ion	Ratio	Lower	Upper
43	100		
58	54.4	44.2	66.2
57	30.1	14.5	21.7#
100	4.3	9.5	14.3#



#51
Chlorobenzene
Concen: 4.770 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013240.D
Acq: 19 Oct 2019 08:12

Tgt Ion:	112	Resp:	653992
Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.6	42.0
77	58.1	47.5	71.3





#62

1,3-Dichlorobenzene

Concen: 1.232 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.09 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

Instrument :

MSVOA_V

ClientSampled :

C0AC1

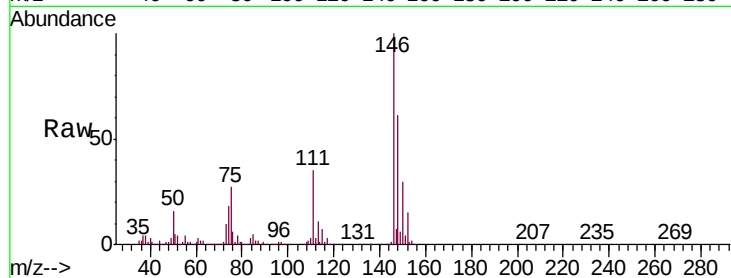
Tgt Ion:146 Resp: 125231

Ion Ratio Lower Upper

146 100

111 35.1 27.1 50.3

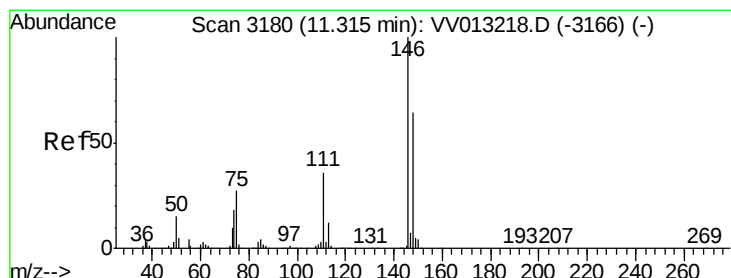
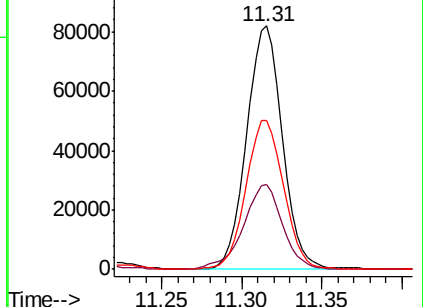
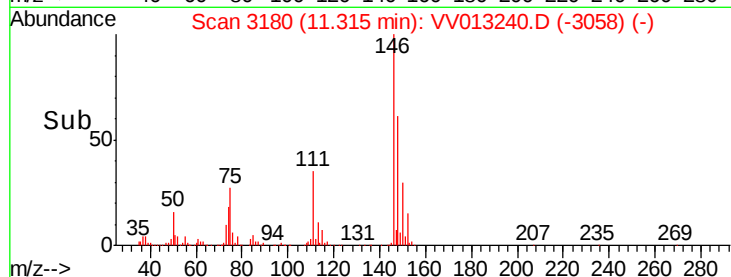
148 61.1 44.4 82.5



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



#63

1,4-Dichlorobenzene

Concen: 1.237 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013240.D

Acq: 19 Oct 2019 08:12

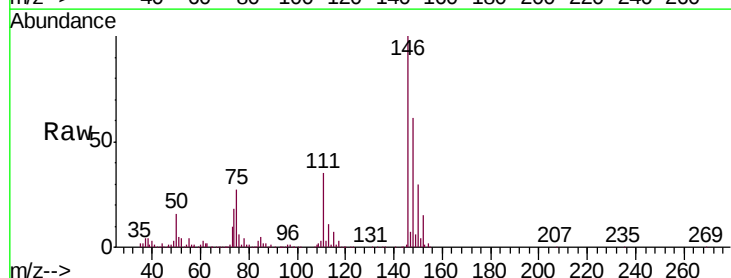
Tgt Ion:146 Resp: 125231

Ion Ratio Lower Upper

146 100

111 35.1 25.7 47.7

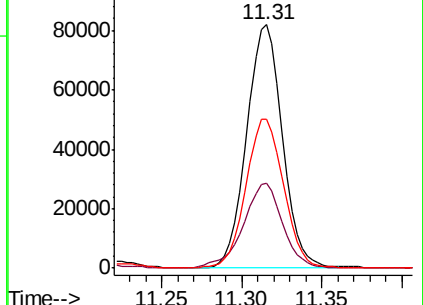
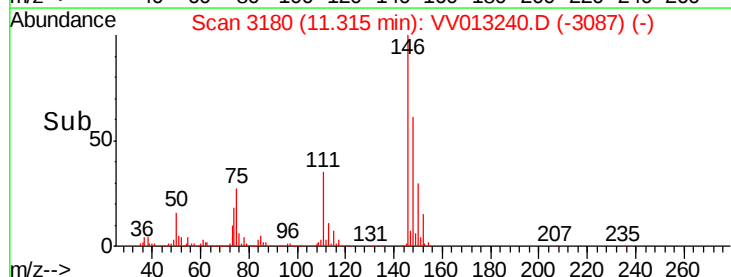
148 61.1 44.4 82.5

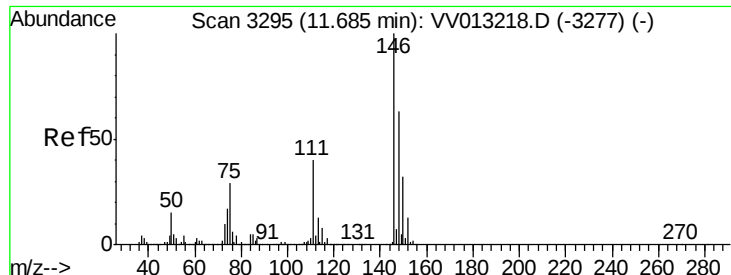


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65
 1,2-Dichlorobenzene
 Concen: 0.112 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013240.D
 Acq: 19 Oct 2019 08:12

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC1

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	31.9	47.9
148	75.4	51.4	77.2

