

Data File : VV013239.D
Acq On : 19 Oct 2019 07:48
Operator : SY/MD
Sample : K5404-08
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AB9

Quant Time: Oct 21 01:30:49 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	500734	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	546168	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	296095	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	221521	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	184858	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.13	63	261284	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	3.97	46	498467	47.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.70%
24) Chloroform-d	4.40	84	445601	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.08	65	217830	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.09	84	891867	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.11	67	277673	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.36	98	738991	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	7.66	79	90787	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.13	63	372657	41.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	194096	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	302636	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

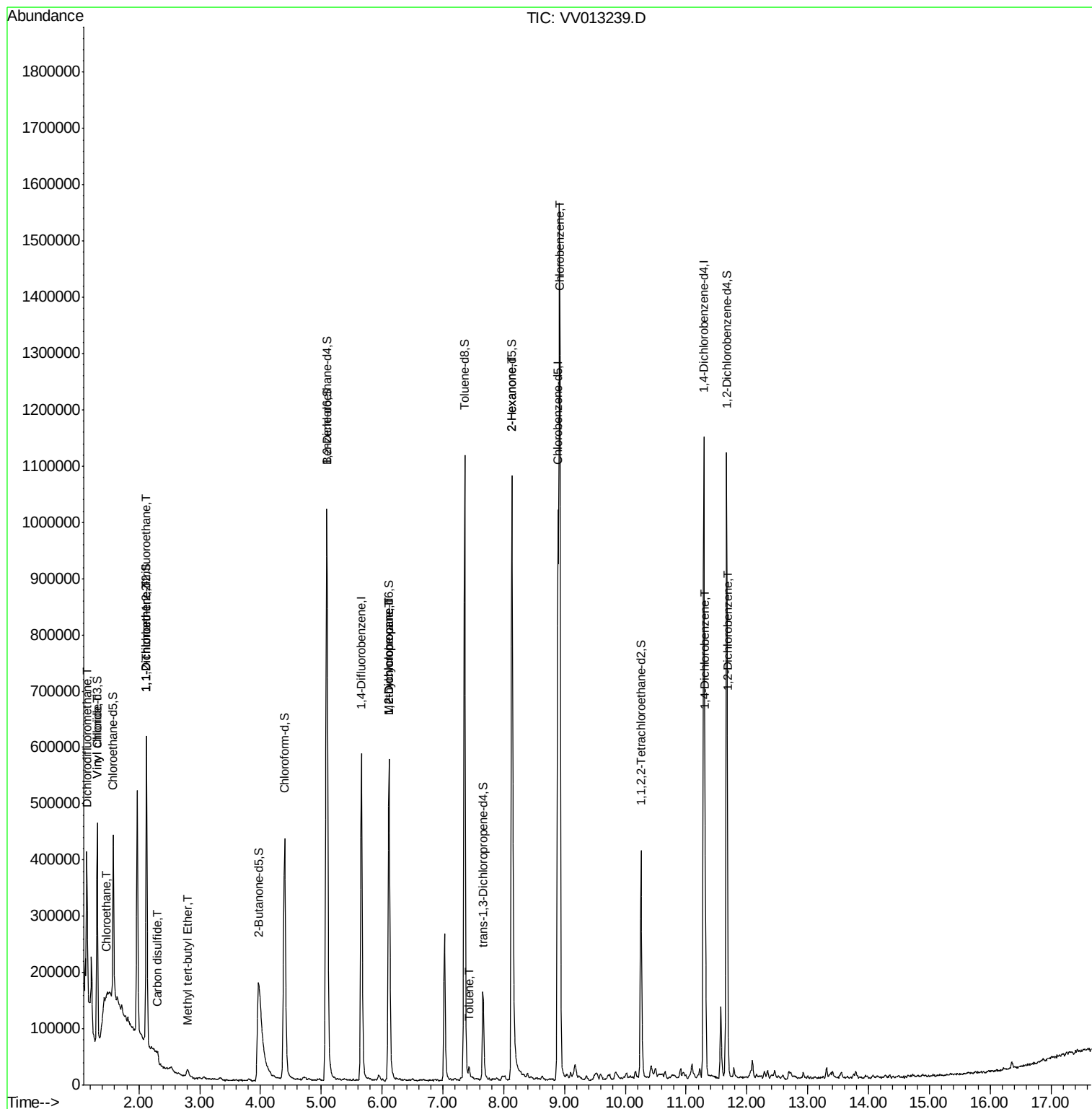
					Qvalue
2) Dichlorodifluoromethane	1.14	85	5938	0.095 ug/L	96
5) Vinyl chloride	1.32	62	11813	0.224 ug/L #	61
8) Chloroethane	1.45	64	240418	7.955 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3264	0.077 ug/L #	16
12) 1,1-Dichloroethene	2.13	96	2906	0.072 ug/L #	1
14) Carbon disulfide	2.31	76	6338	0.055 ug/L #	67
17) Methyl tert-butyl Ether	2.81	73	12948	0.120 ug/L #	66
35) Methylcyclohexane	6.11	83	67740	0.774 ug/L #	18
37) 1,2-Dichloropropane	6.11	63	28976	0.534 ug/L #	86
42) Toluene	7.43	91	14385	0.064 ug/L	96
48) 2-Hexanone	8.14	43	56358	2.659 ug/L #	84
51) Chlorobenzene	8.92	112	804693	5.536 ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	143876	1.362 ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	13592	0.135 ug/L	97

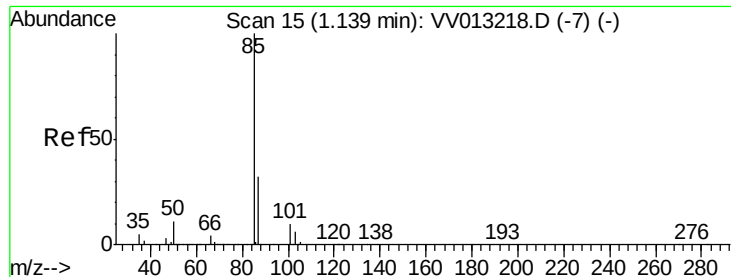
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.095 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV013239.D

Acq: 19 Oct 2019 07:48

Instrument :

MSVOA_V

ClientSampleId :

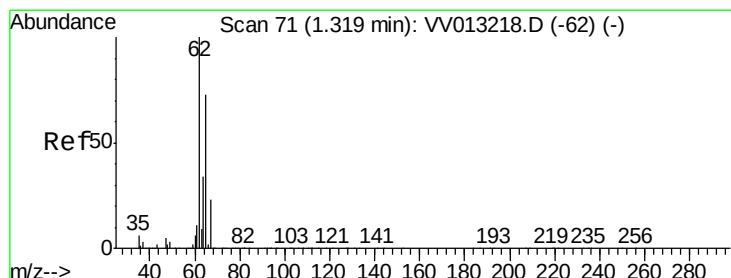
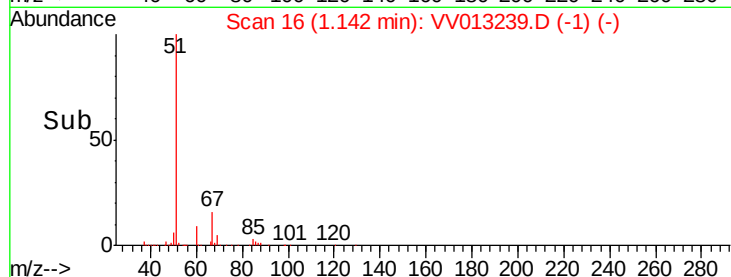
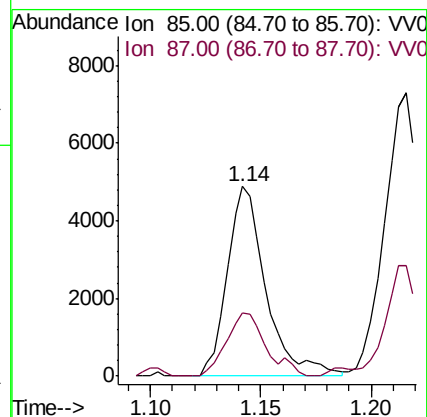
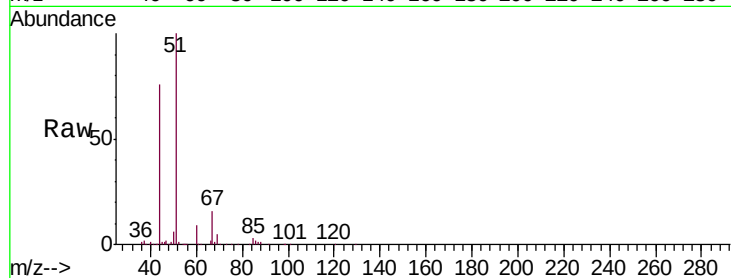
C0AB9

Tgt Ion: 85 Resp: 5938

Ion Ratio Lower Upper

85 100

87 34.4 25.6 38.4



#5

Vinyl chloride

Concen: 0.224 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013239.D

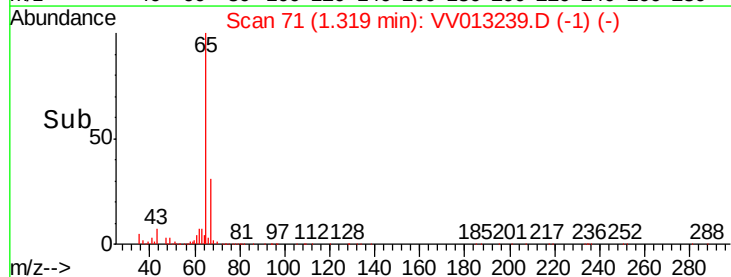
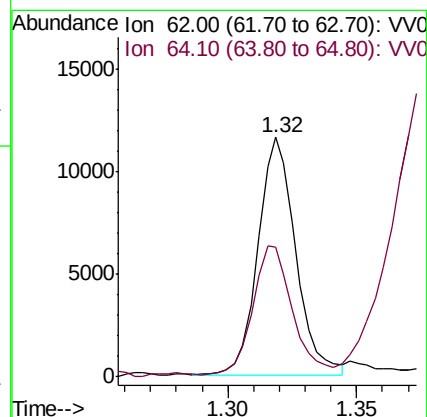
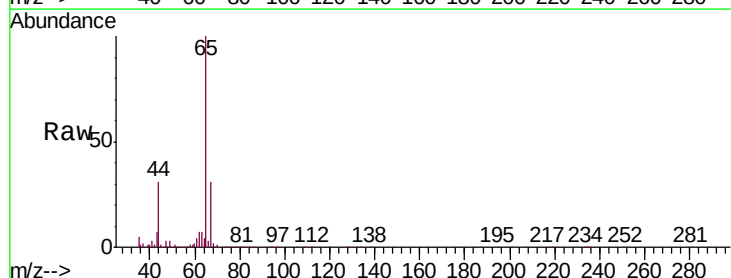
Acq: 19 Oct 2019 07:48

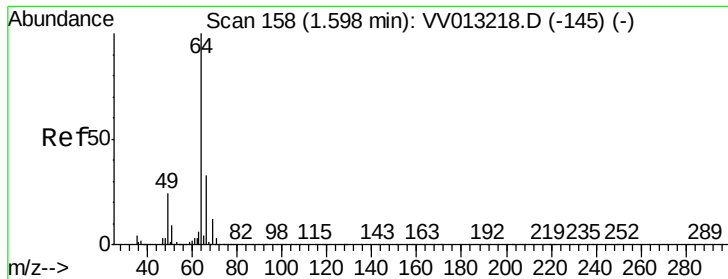
Tgt Ion: 62 Resp: 11813

Ion Ratio Lower Upper

62 100

64 54.5 22.7 42.3#





#8

Chloroethane

Concen: 7.955 ug/L

RT: 1.45 min Scan# 113

Delta R.T. -0.14 min

Lab File: VV013239.D

Acq: 19 Oct 2019 07:48

Instrument :

MSVOA_V

ClientSampleId :

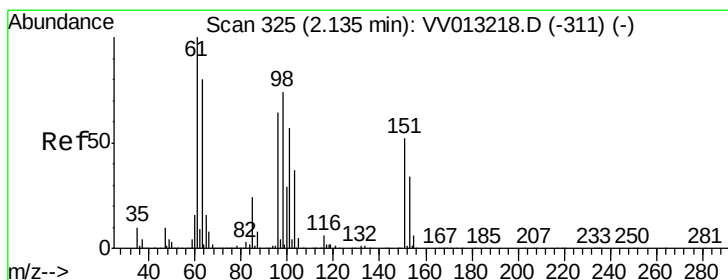
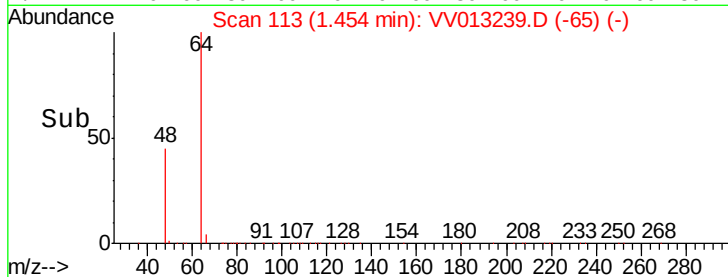
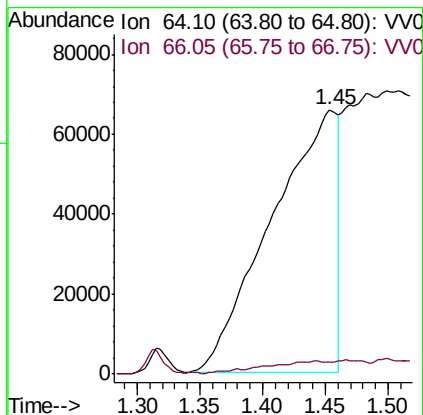
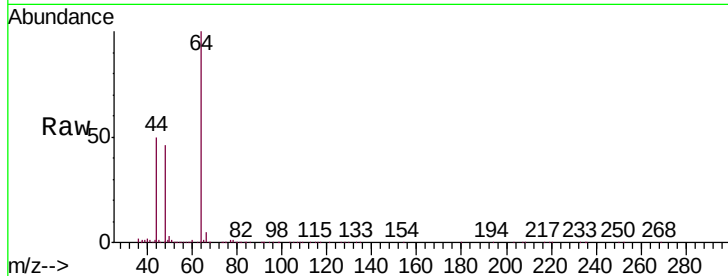
C0AB9

Tgt Ion: 64 Resp: 240418

Ion Ratio Lower Upper

64 100

66 4.7 21.6 40.2#



#10

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

Concen: 0.077 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013239.D

Acq: 19 Oct 2019 07:48

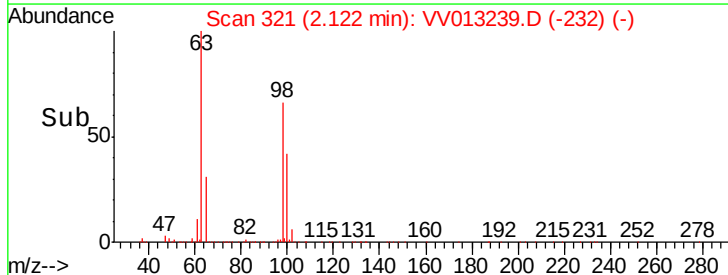
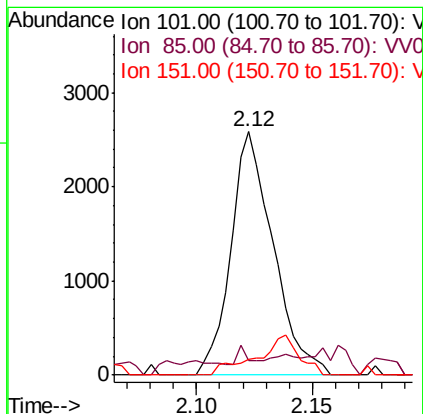
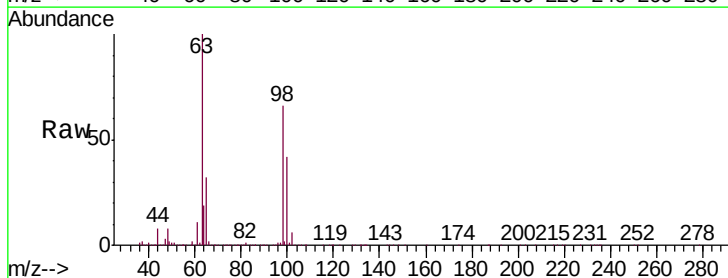
Tgt Ion: 101 Resp: 3264

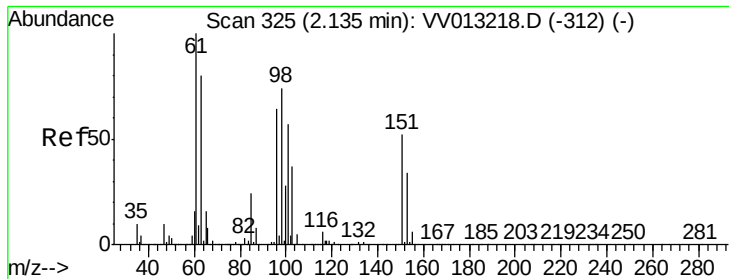
Ion Ratio Lower Upper

101 100

85 4.4 32.4 48.6#

151 0.0 71.9 107.9#





#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013239.D

Acq: 19 Oct 2019 07:48

Instrument :

MSVOA_V

ClientSampleId :

C0AB9

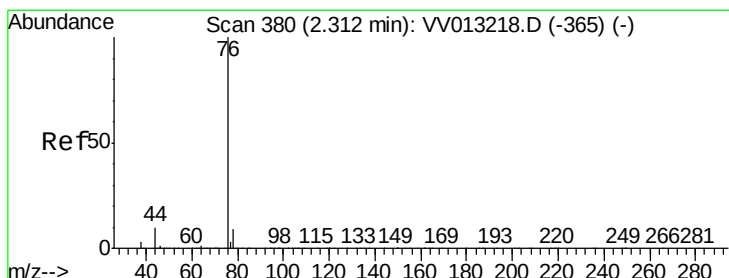
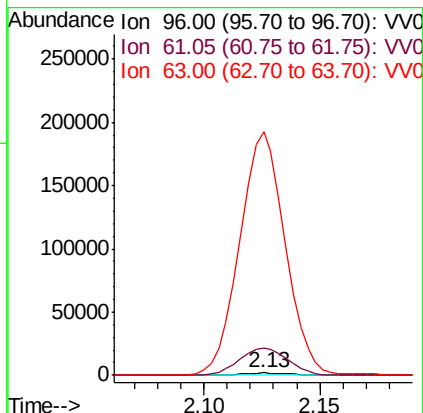
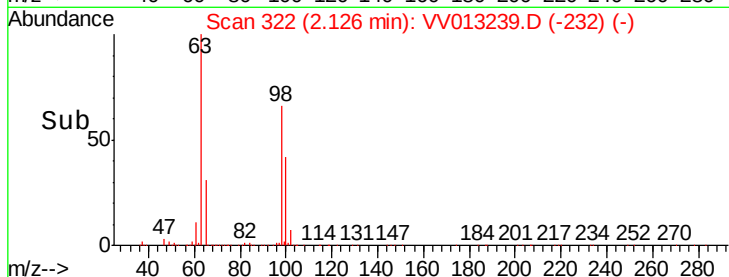
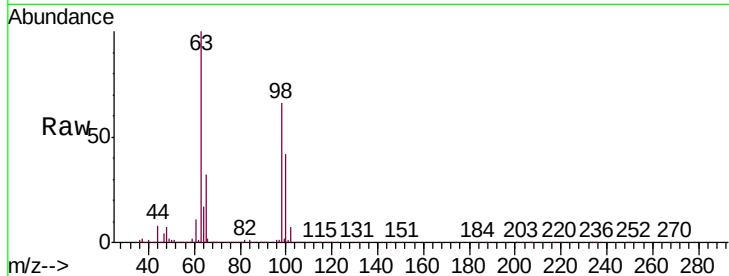
Tgt Ion: 96 Resp: 2906

Ion Ratio Lower Upper

96 100

61 1120.7 109.8 204.0#

63 9788.8 72.6 134.8#



#14

Carbon disulfide

Concen: 0.055 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013239.D

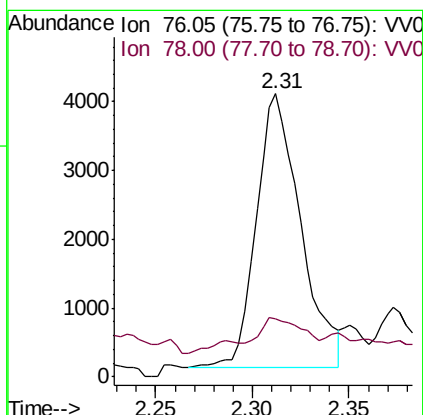
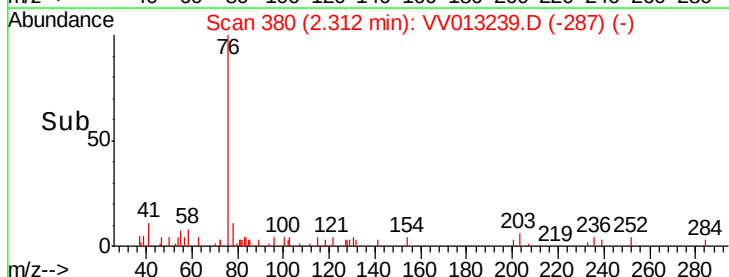
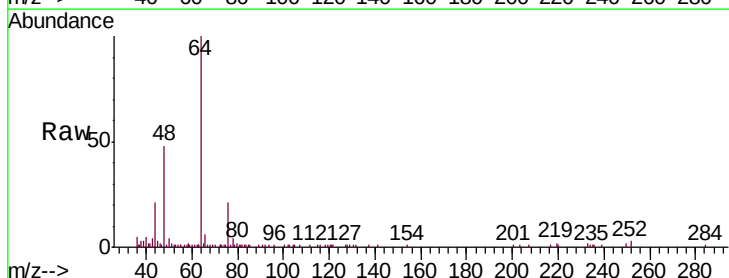
Acq: 19 Oct 2019 07:48

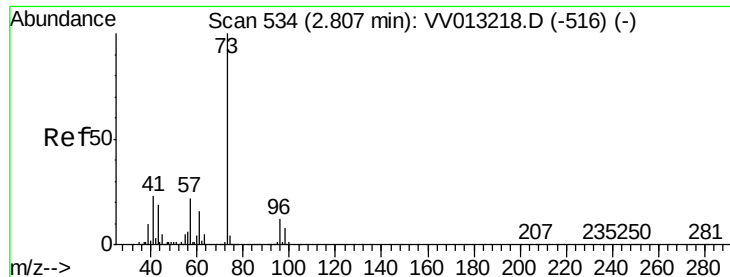
Tgt Ion: 76 Resp: 6338

Ion Ratio Lower Upper

76 100

78 20.7 7.1 10.7#

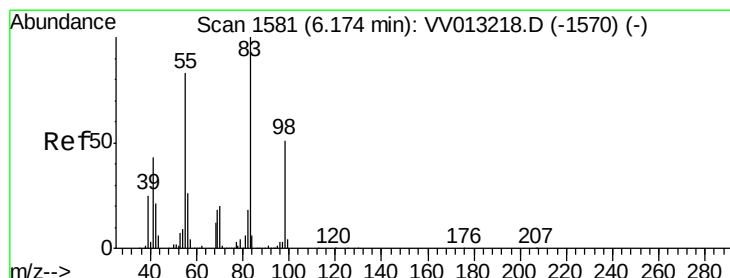
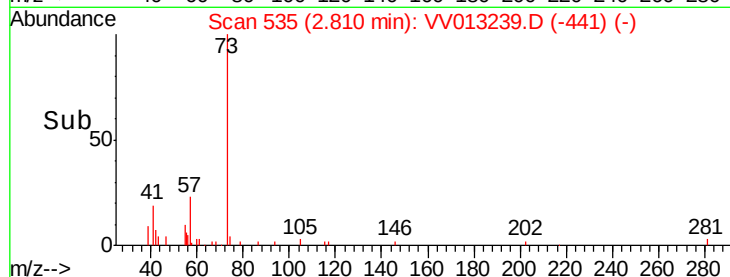
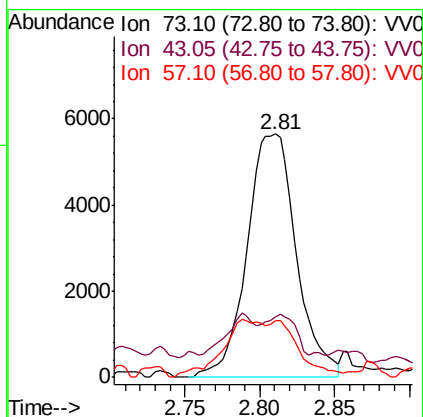
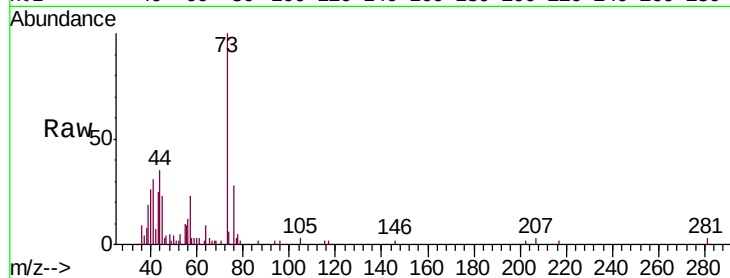




#17
Methyl tert-butyl Ether
Concen: 0.120 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV013239.D
Acq: 19 Oct 2019 07:48

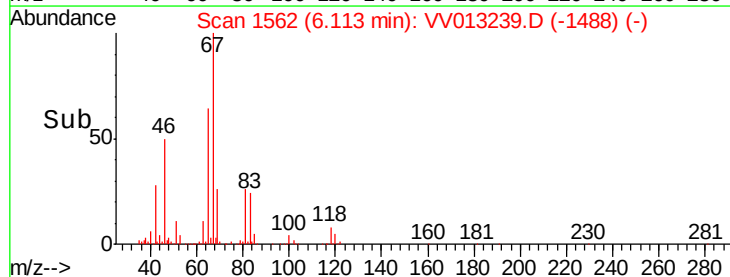
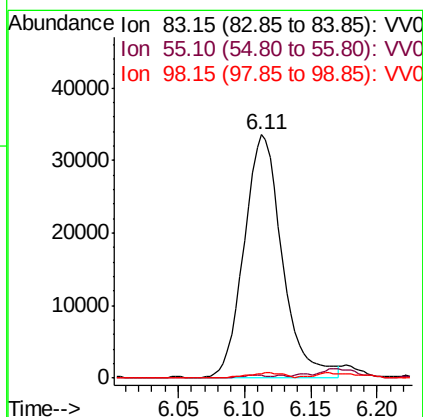
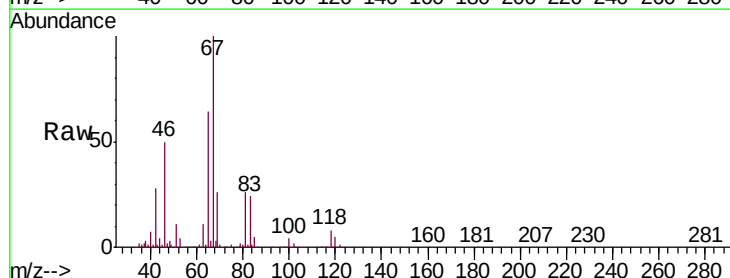
Instrument :
MSVOA_V
ClientSampleId :
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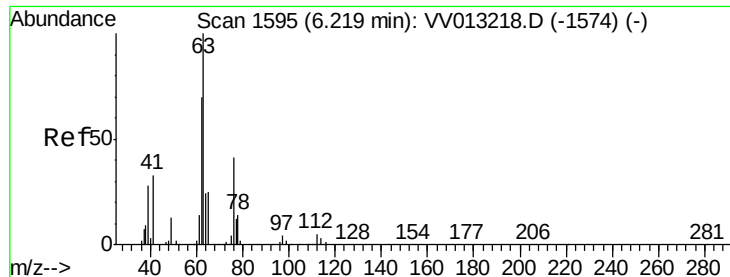
Tgt Ion: 73 Resp: 12948
Ion Ratio Lower Upper
73 100
43 10.4 14.6 22.0#
57 0.0 17.8 26.8#



#35
Methylcyclohexane
Concen: 0.774 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013239.D
Acq: 19 Oct 2019 07:48

Tgt Ion: 83 Resp: 67740
Ion Ratio Lower Upper
83 100
55 0.9 64.0 96.0#
98 2.1 38.6 57.8#

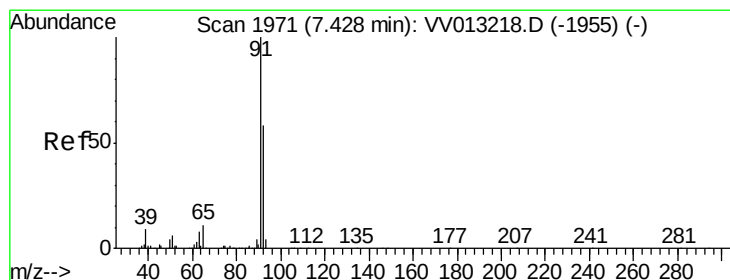
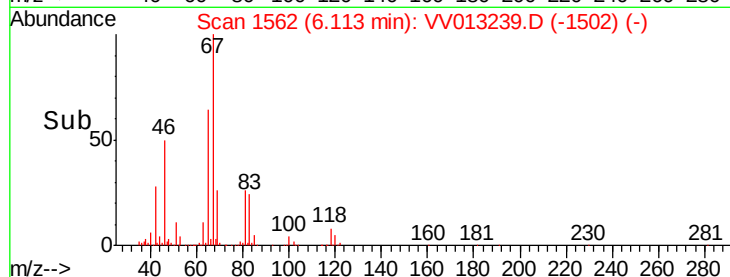
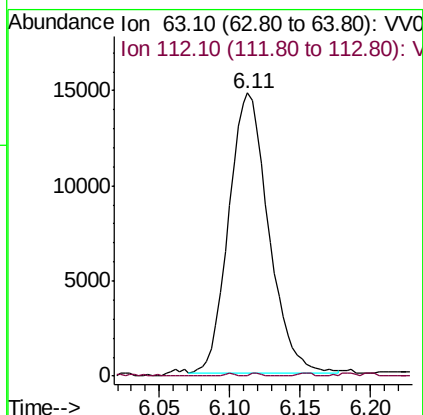
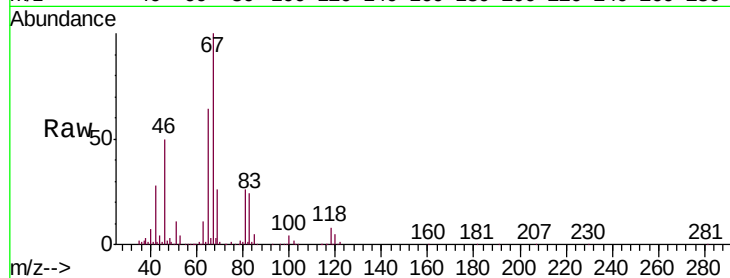




#37
 1,2-Dichloropropane
 Concen: 0.534 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV013239.D
 Acq: 19 Oct 2019 07:48

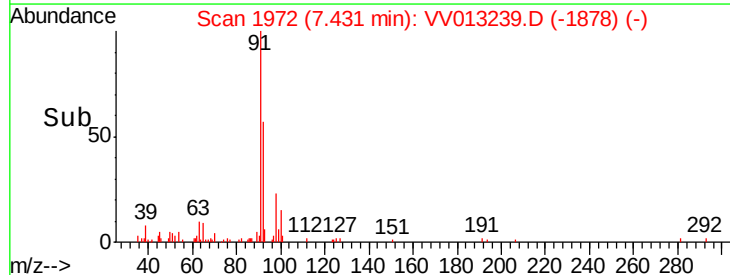
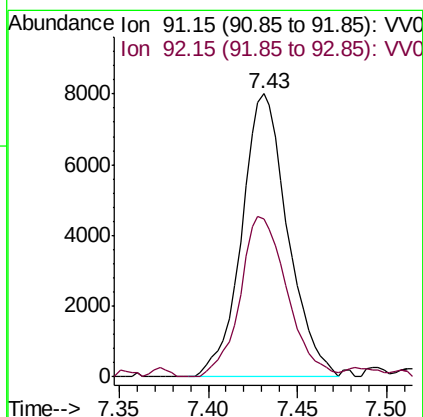
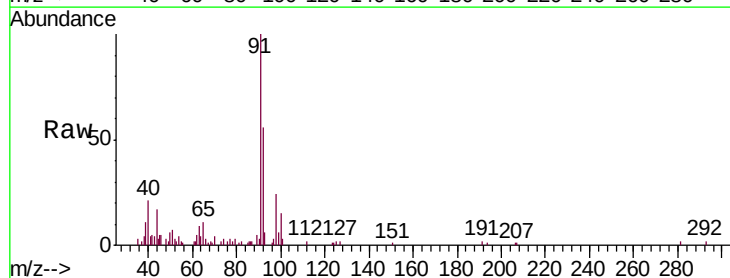
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB9

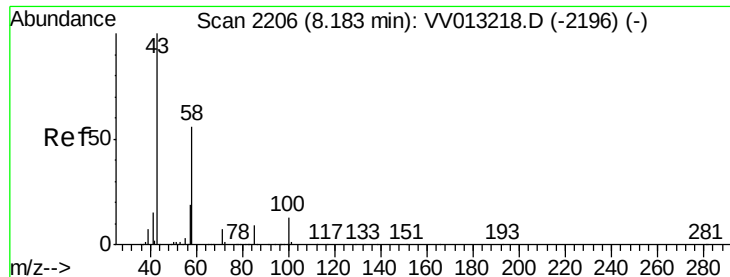
Tgt Ion: 63 Resp: 28976
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.8 5.8#



#42
 Toluene
 Concen: 0.064 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013239.D
 Acq: 19 Oct 2019 07:48

Tgt Ion: 91 Resp: 14385
 Ion Ratio Lower Upper
 91 100
 92 55.7 41.2 76.4

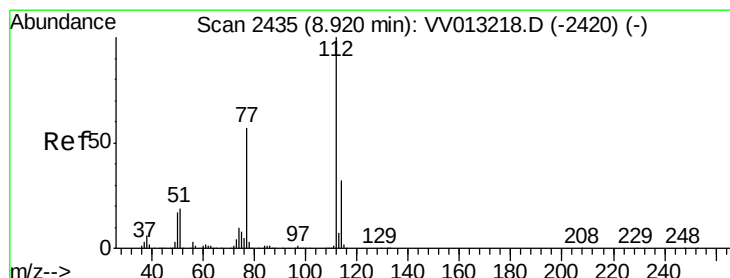
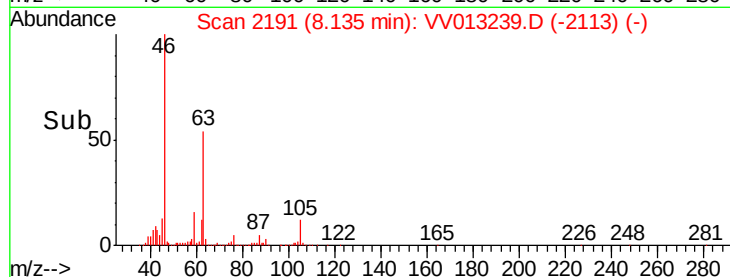
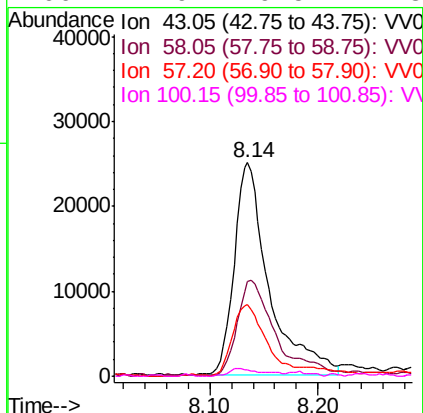
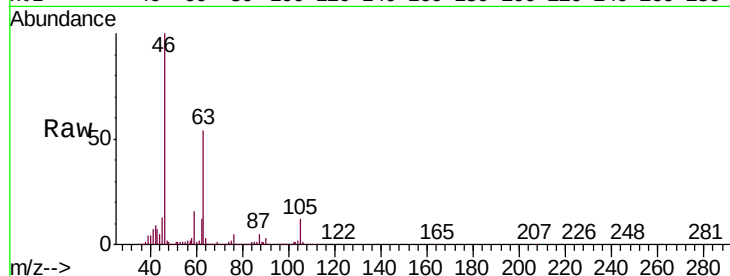




#48
2-Hexanone
Concen: 2.659 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013239.D
Acq: 19 Oct 2019 07:48

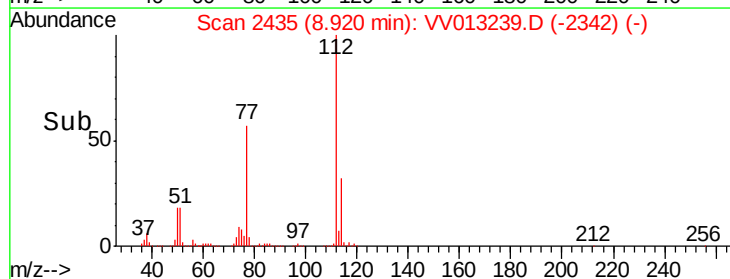
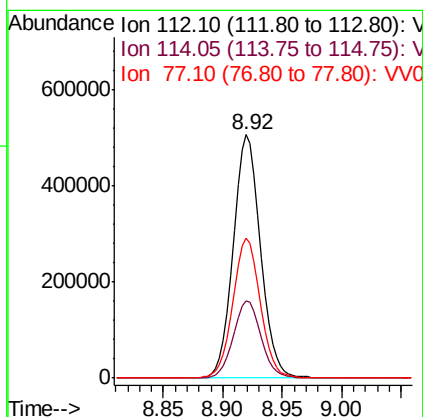
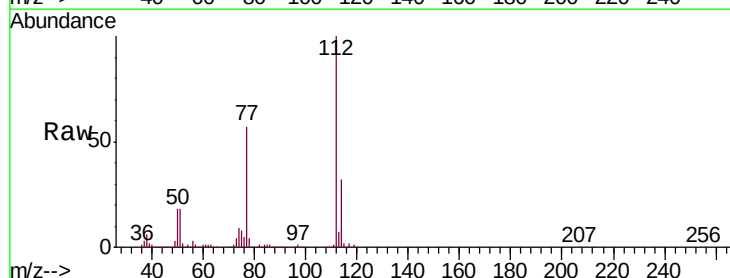
Instrument :
MSVOA_V
ClientSampleId :
C0AB9

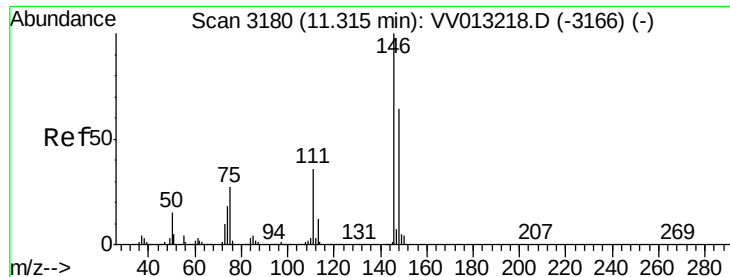
Tgt Ion:	43	Resp:	56358
Ion	Ratio	Lower	Upper
43	100		
58	48.7	44.2	66.2
57	32.3	14.5	21.7#
100	2.9	9.5	14.3#



#51
Chlorobenzene
Concen: 5.536 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013239.D
Acq: 19 Oct 2019 07:48

Tgt Ion:	112	Resp:	804693
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.6	42.0
77	57.5	47.5	71.3

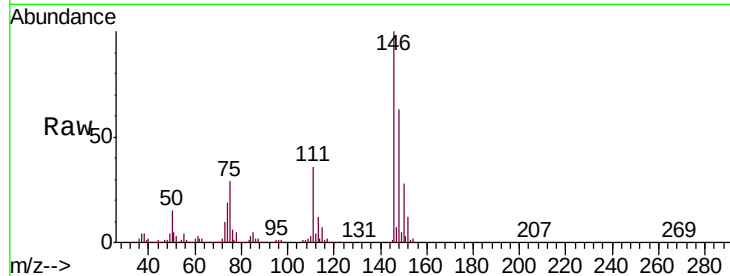




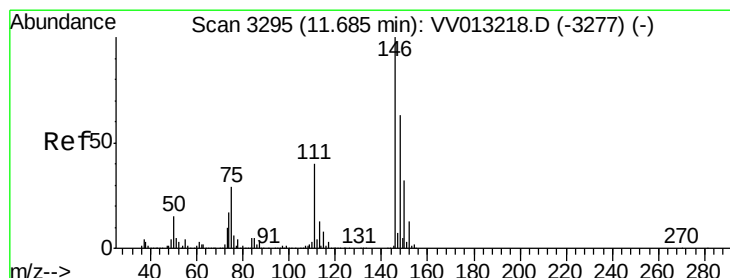
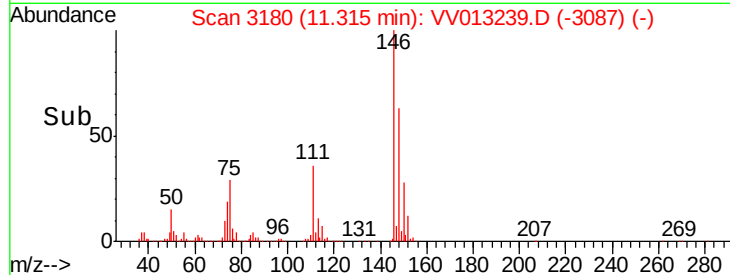
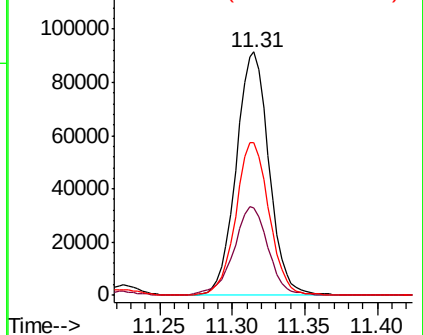
#63
 1,4-Dichlorobenzene
 Concen: 1.362 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV013239.D
 Acq: 19 Oct 2019 07:48

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB9

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	25.7	47.7
148	62.6	44.4	82.5

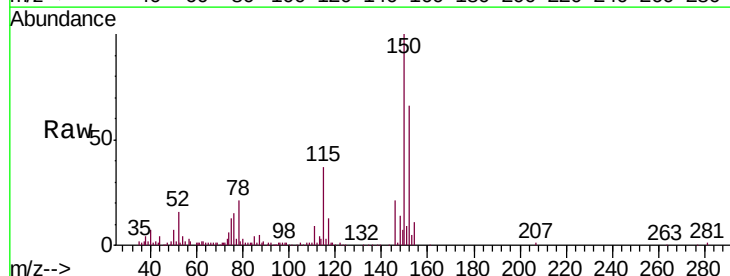


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#65
 1,2-Dichlorobenzene
 Concen: 0.135 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013239.D
 Acq: 19 Oct 2019 07:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	31.9	47.9
148	66.3	51.4	77.2



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

