

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013826.D
 Acq On : 27 Nov 2019 16:01
 Operator : SY/MD
 Sample : K6003-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 02:57:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	313114	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	316136	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	140614	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69938	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.58	69	68848	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.13	63	276560	8.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	169.60%#
20) 2-Butanone-d5	3.96	46	216473	53.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.46%
24) Chloroform-d	4.40	84	180229	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	91107	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.09	84	327978	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.40%
36) 1,2-Dichloropropane-d6	6.11	67	107032	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.36	98	265085	3.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.20%#
43) trans-1,3-Dichloropropene-	7.66	79	34620	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
46) 2-Hexanone-d5	8.14	63	168528	48.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	86976	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	120349	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.17	62	5290	0.283	ug/L	95
8) Chloroethane	1.53	64	369242	32.757	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2205	0.128	ug/L #	21
12) 1,1-Dichloroethene	2.14	96	357078	23.720	ug/L #	67
13) Acetone	2.23	43	64871	23.026	ug/L #	55
14) Carbon disulfide	2.31	76	59056	1.699	ug/L	99
15) Methyl Acetate	2.23	43	64514	10.229	ug/L #	51
16) Methylene chloride	2.53	84	5272	0.256	ug/L	95
17) Methyl tert-butyl Ether	2.81	73	7736	0.188	ug/L #	84
19) 1,1-Dichloroethane	3.23	63	542465	15.984	ug/L	99
21) 2-Butanone	4.05	43	150592	35.363	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	114791	5.758	ug/L #	98
27) 1,2-Dichloroethane	5.08	62	2109	0.102	ug/L	96
34) Trichloroethene	5.96	95	3487137	163.010	ug/L	96
35) Methylcyclohexane	6.12	83	27287	0.956	ug/L #	19
37) 1,2-Dichloropropane	6.22	63	10796	0.542	ug/L #	93
44) trans-1,3-Dichloropropene	7.66	75	1237	0.056	ug/L	94

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QLast Update : Thu Nov 28 02:51:59 2019
Response via : Initial Calibration

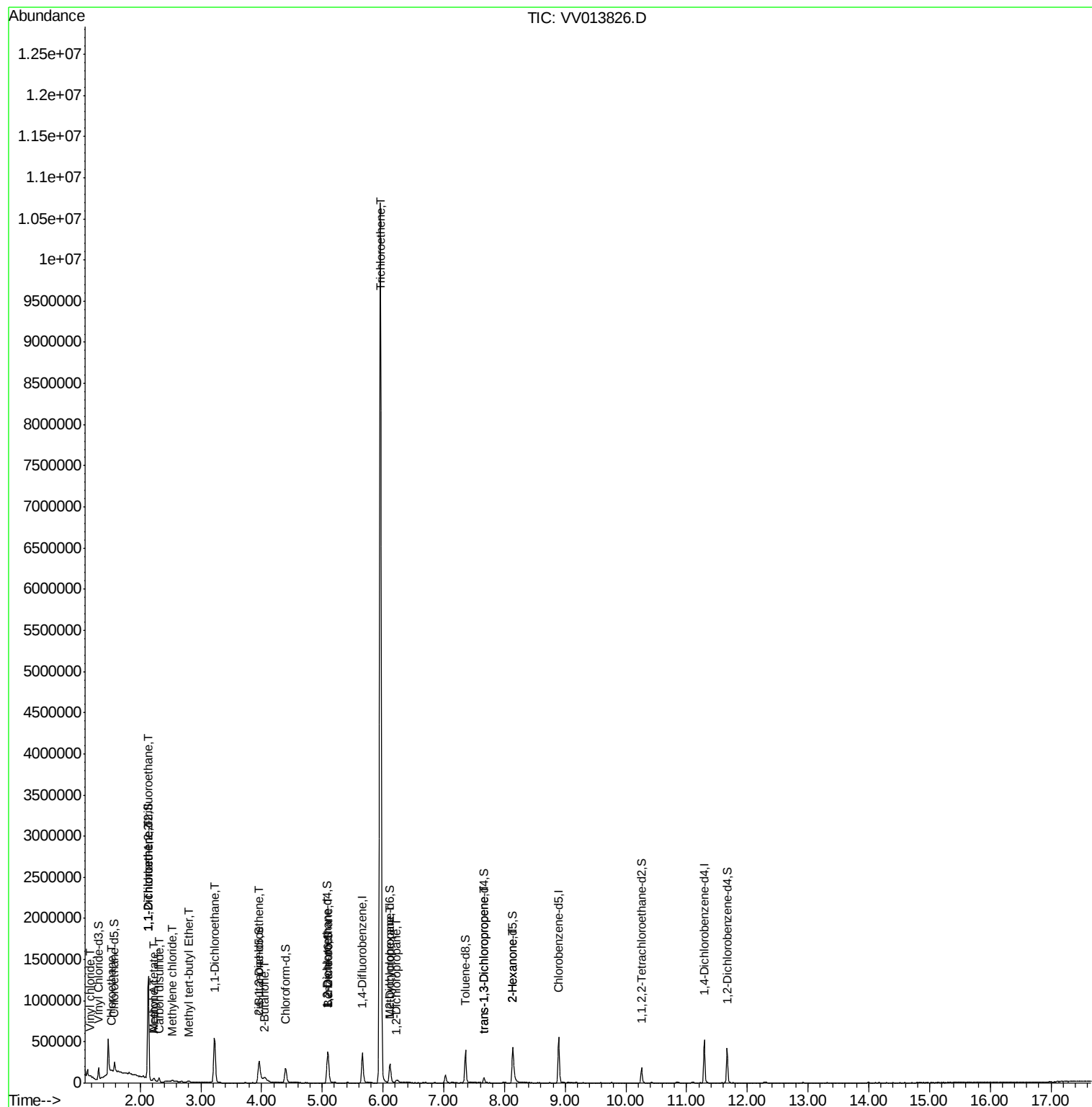
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
48) 2-Hexanone	8.14	43	21879	2.636	ug/L #	91
-----	-----	-----	-----	-----	-----	-----

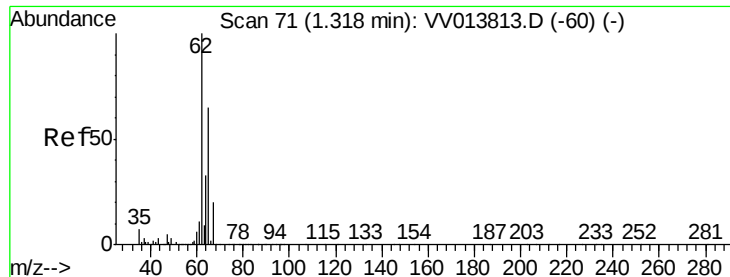
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 28 02:51:59 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.283 ug/L

RT: 1.17 min Scan# 25

Delta R.T. -0.15 min

Lab File: VV013826.D

Acq: 27 Nov 2019 16:01

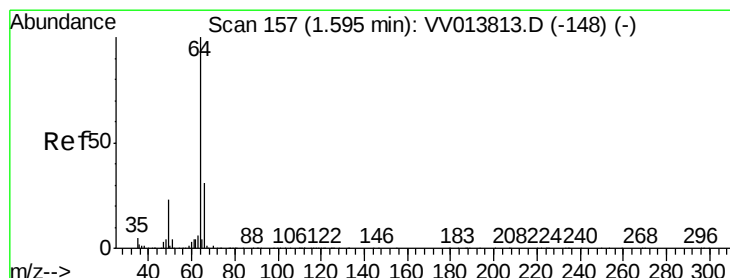
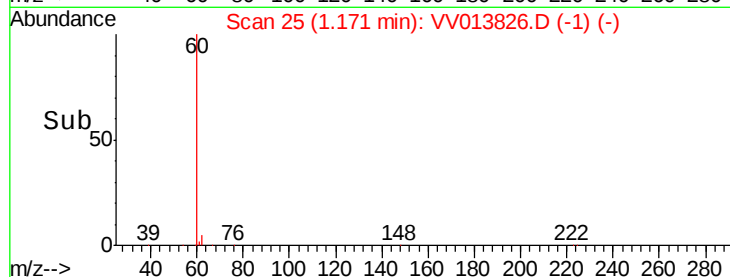
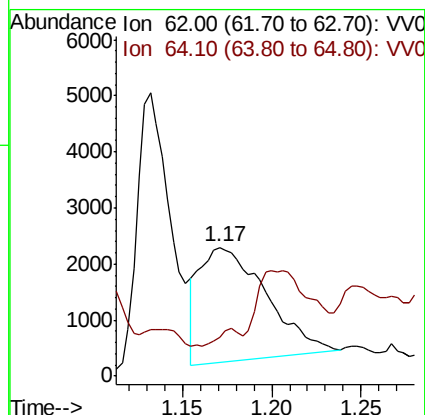
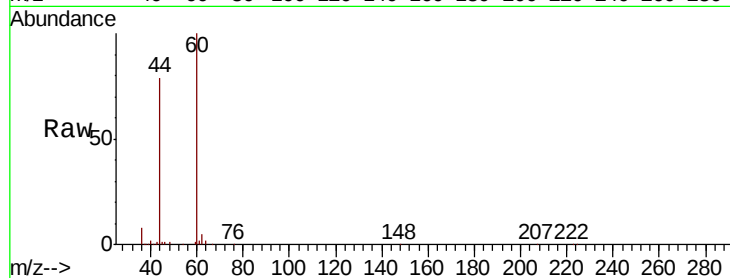
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 5290

Ion Ratio Lower Upper

62 100

64 30.4 23.3 43.3



#8

Chloroethane

Concen: 32.757 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.06 min

Lab File: VV013826.D

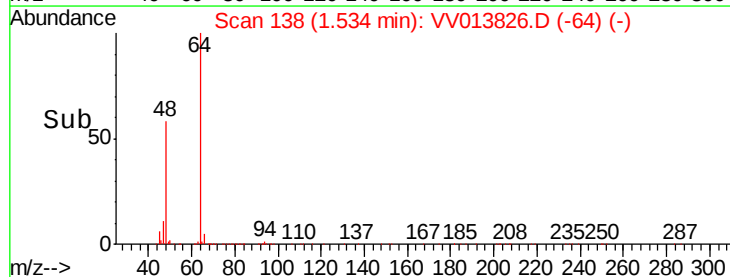
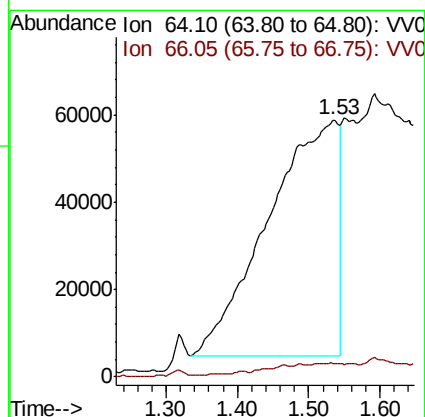
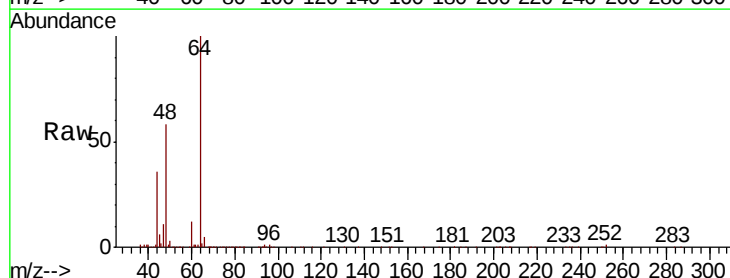
Acq: 27 Nov 2019 16:01

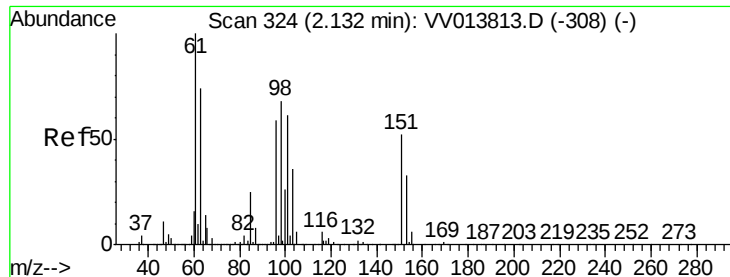
Tgt Ion: 64 Resp: 369242

Ion Ratio Lower Upper

64 100

66 5.3 22.6 42.0#





#10

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

Concen: 0.128 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013826.D

Acq: 27 Nov 2019 16:01

Instrument :

MSVOA_V

ClientSampled :

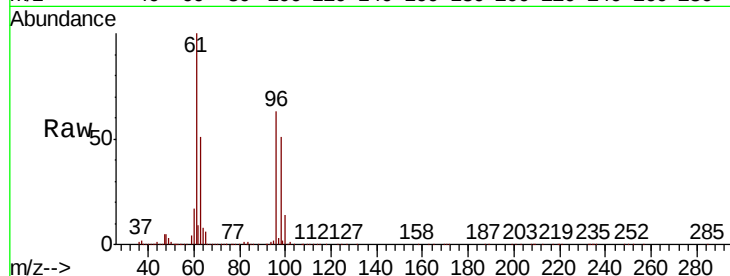
Tot Ion:101 Resp: 2205

Ion Ratio Lower Upper

101 100

85 10.9 33.4 50.0#

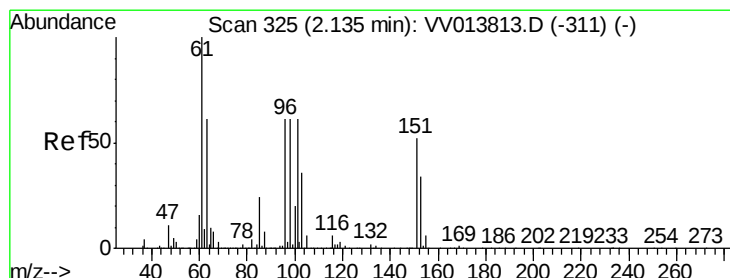
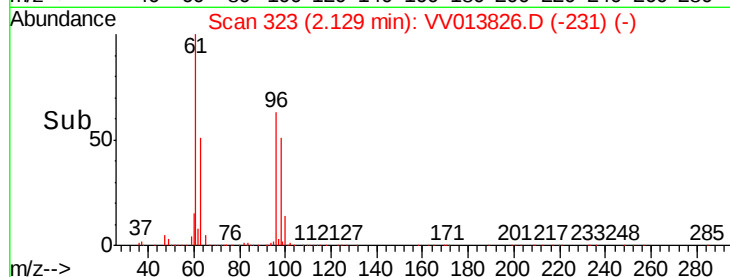
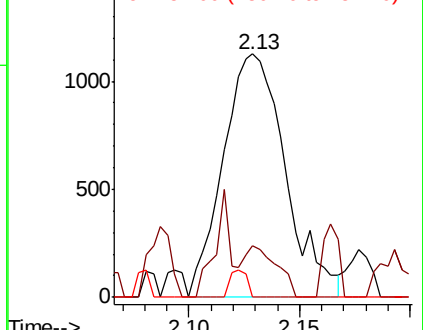
151 0.0 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.720 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013826.D

Acq: 27 Nov 2019 16:01

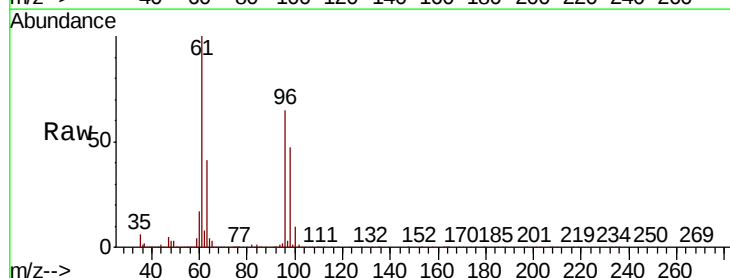
Tgt Ion: 96 Resp: 357078

Ion Ratio Lower Upper

96 100

61 153.3 116.3 215.9

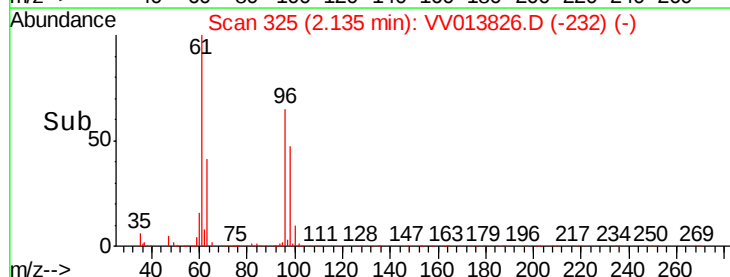
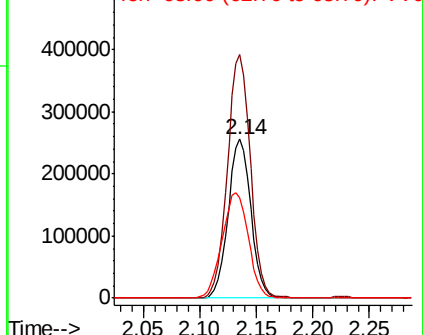
63 62.9 96.7 179.7#

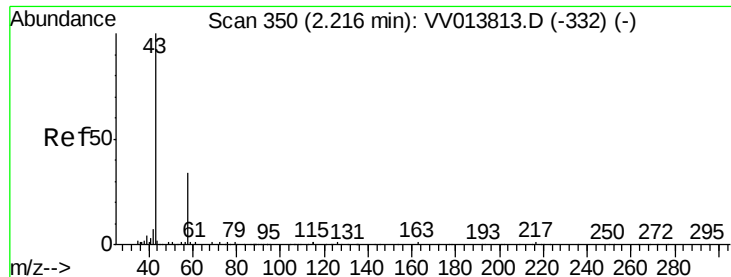


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 23.026 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

Lab File: VV013826.D

Acq: 27 Nov 2019 16:01

Instrument :

MSVOA_V

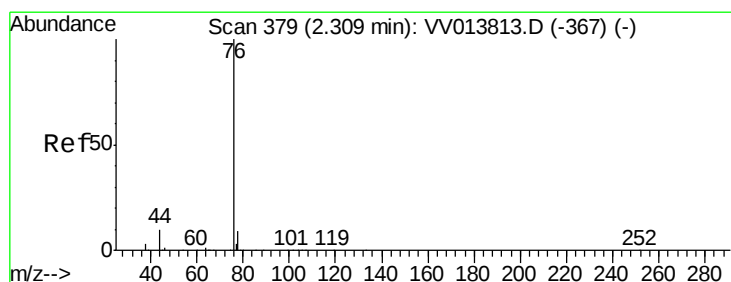
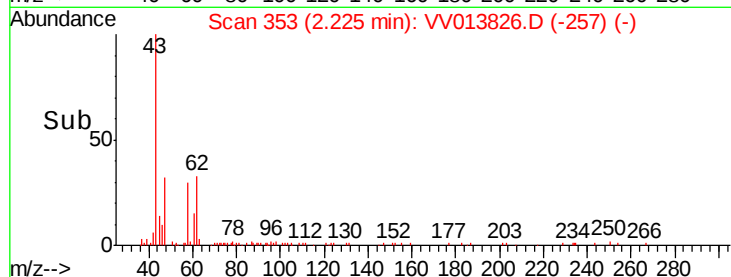
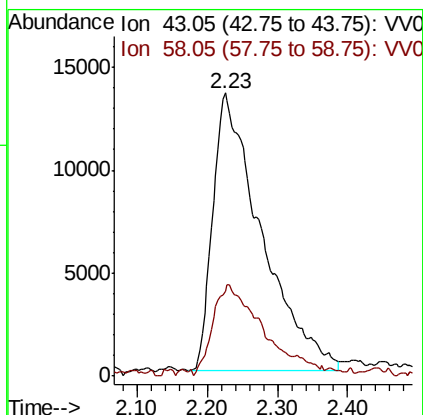
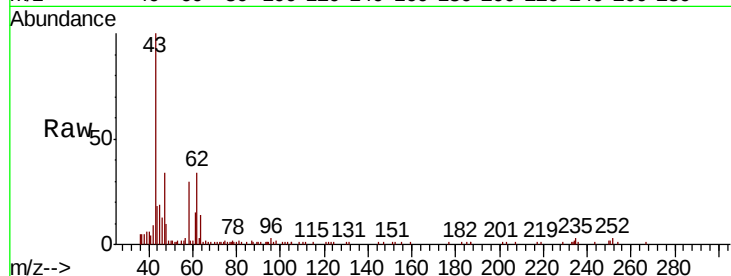
ClientSampleId :

Tot Ion: 43 Resp: 64871

Ion Ratio Lower Upper

43 100

58 31.9 0.0 27.2#



#14

Carbon disulfide

Concen: 1.699 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013826.D

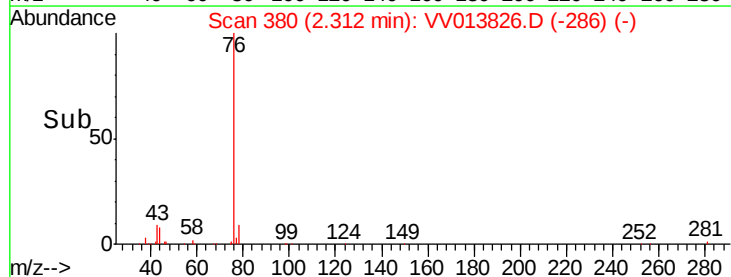
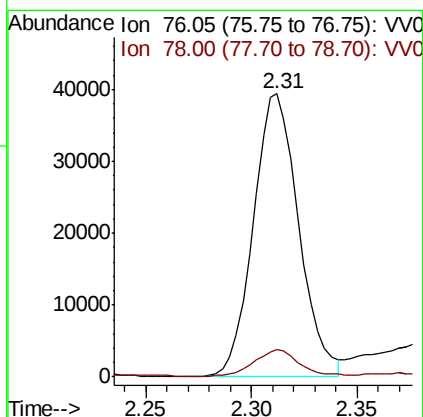
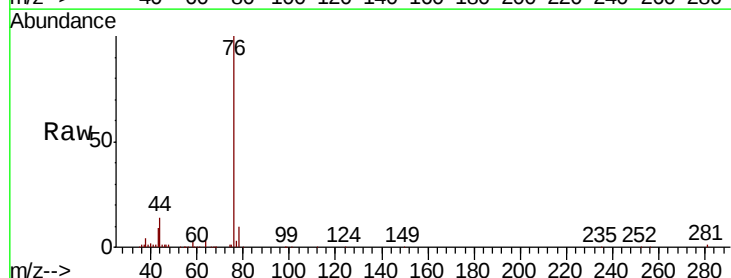
Acq: 27 Nov 2019 16:01

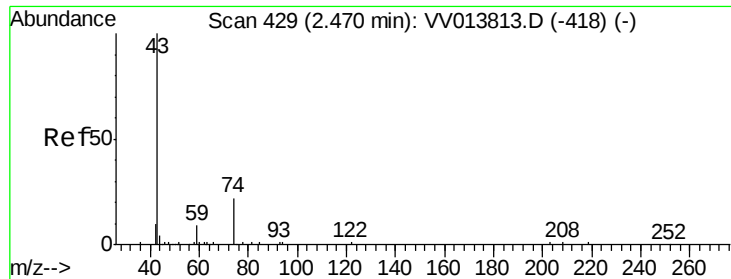
Tgt Ion: 76 Resp: 59056

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

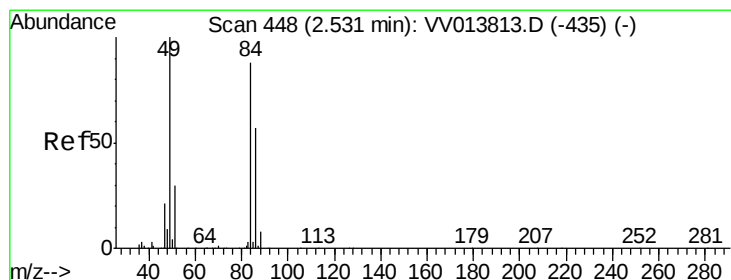
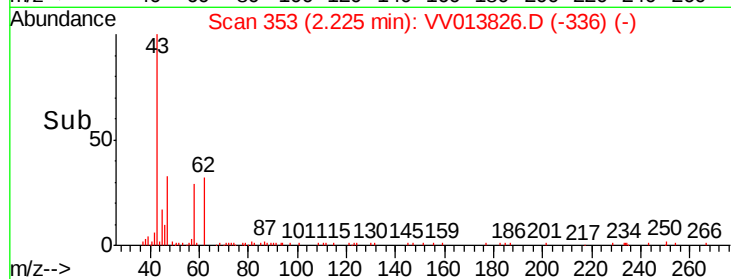
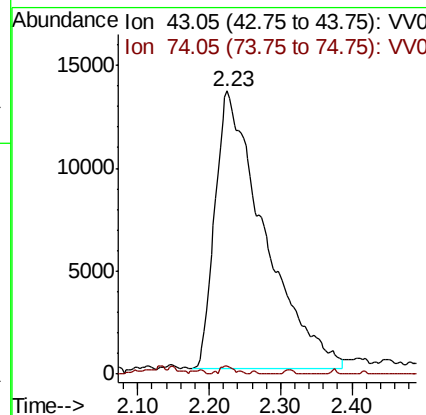
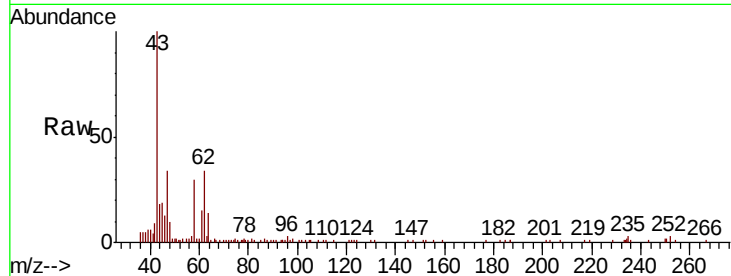




#15
Methyl Acetate
Concen: 10.229 ug/L
RT: 2.23 min Scan# 353
Delta R.T. -0.24 min
Lab File: VV013826.D
Acq: 27 Nov 2019 16:01

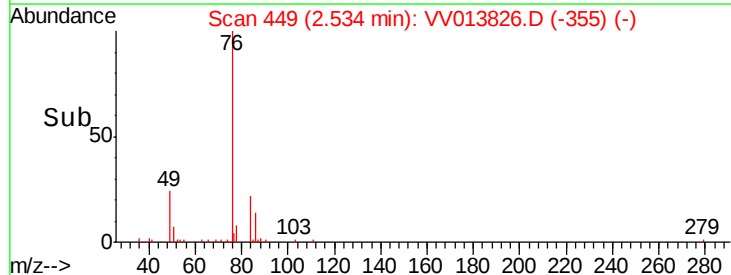
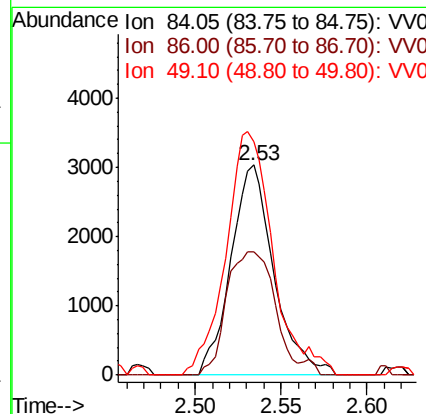
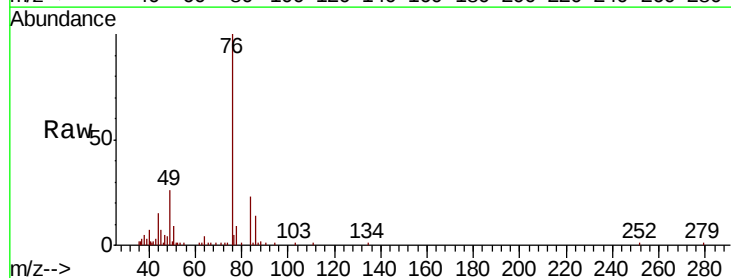
Instrument :
MSVOA_V
ClientSampled :

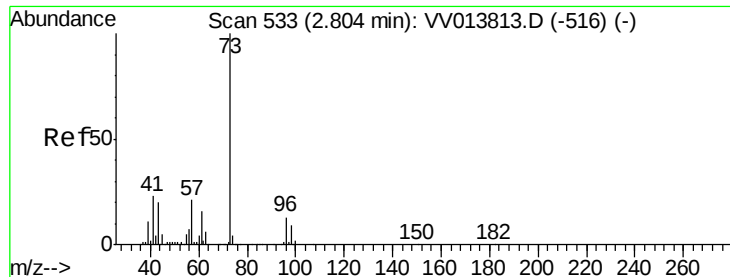
Tot Ion: 43 Resp: 64514
Ion Ratio Lower Upper
43 100
74 0.9 20.5 30.7#



#16
Methylene chloride
Concen: 0.256 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013826.D
Acq: 27 Nov 2019 16:01

Tgt Ion: 84 Resp: 5272
Ion Ratio Lower Upper
84 100
86 58.5 44.0 81.6
49 111.3 81.5 151.5



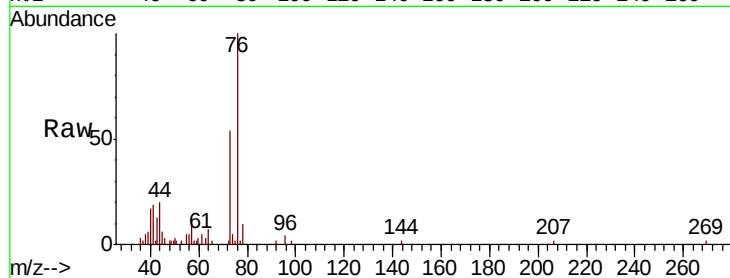


#17

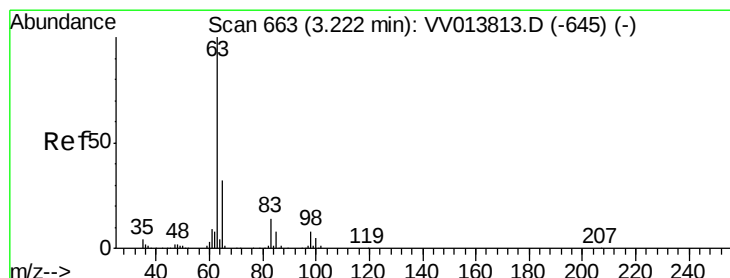
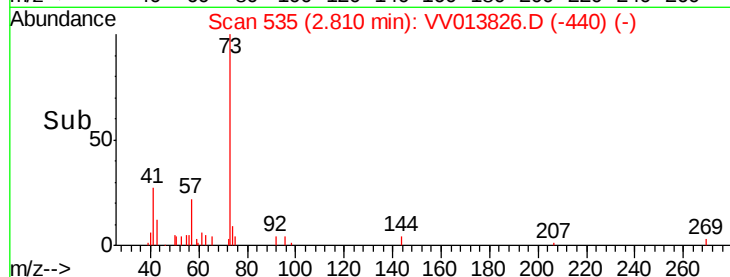
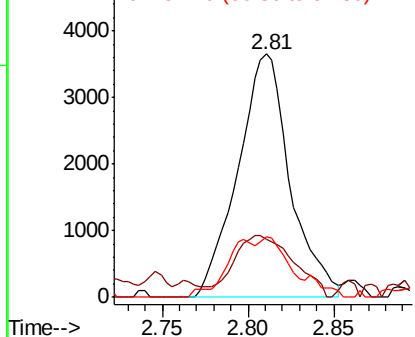
Methvl tert-butvl Ether
 Concen: 0.188 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VV013826.D
 Acq: 27 Nov 2019 16:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	29.3	15.5	23.3#
57	16.4	17.5	26.3#



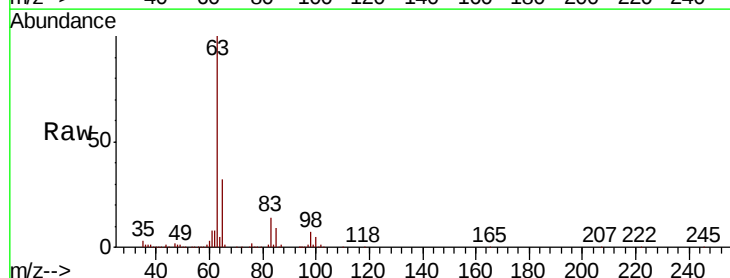
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



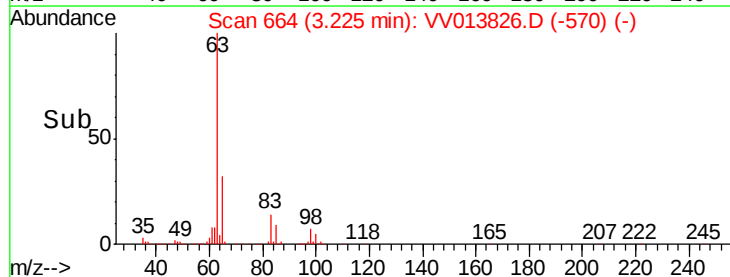
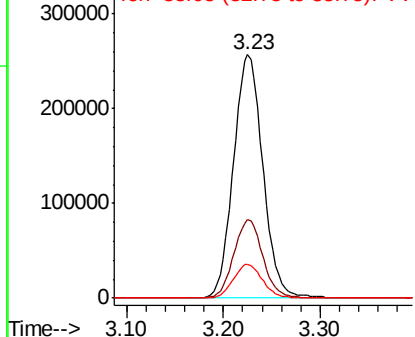
#19

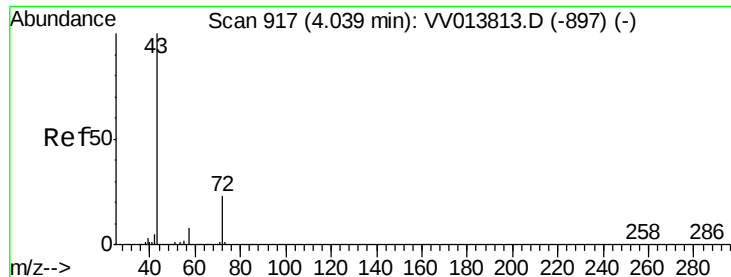
1,1-Dichloroethane
 Concen: 15.984 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013826.D
 Acq: 27 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.7	42.1
83	14.0	9.2	17.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0





#21

2-Butanone

Concen: 35.363 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.01 min

Lab File: VV013826.D

Acq: 27 Nov 2019 16:01

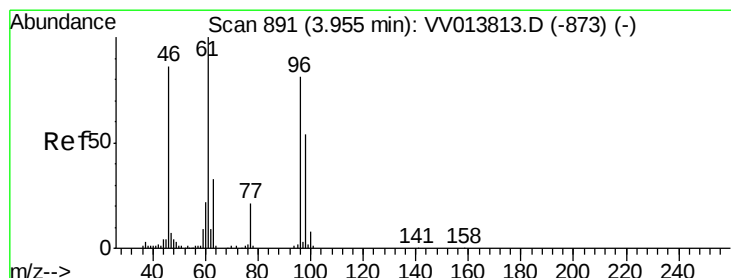
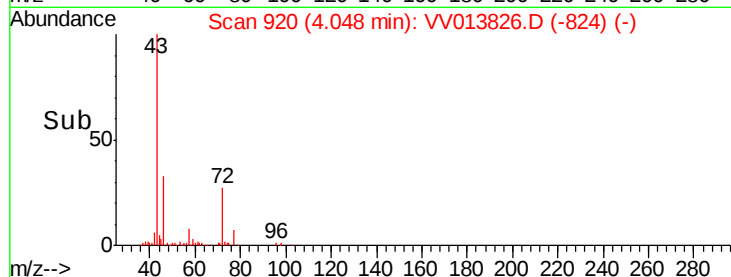
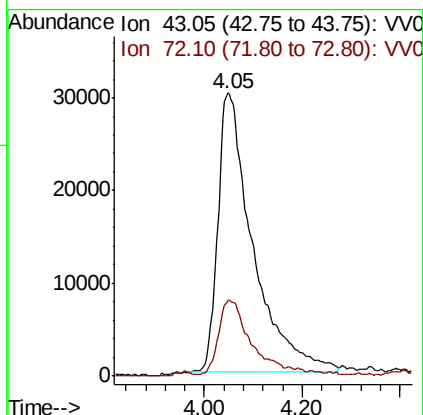
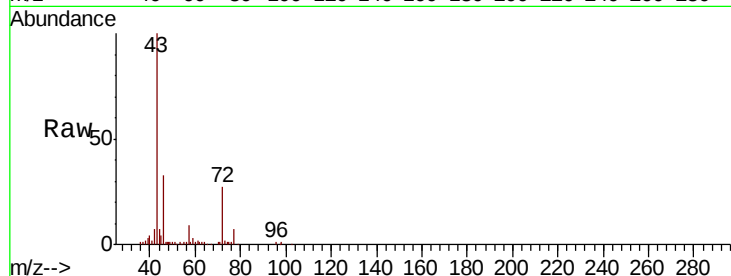
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 150592

Ion Ratio Lower Upper

43 100

72 23.3 12.3 36.9



#22

cis-1,2-Dichloroethene

Concen: 5.758 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013826.D

Acq: 27 Nov 2019 16:01

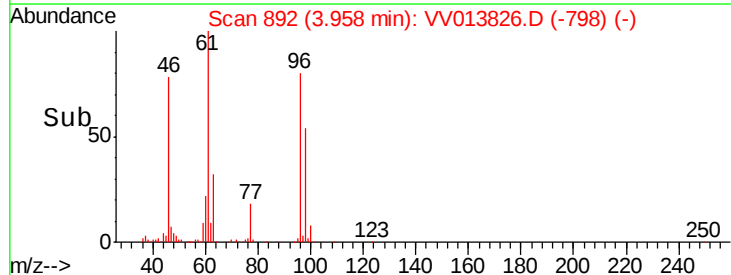
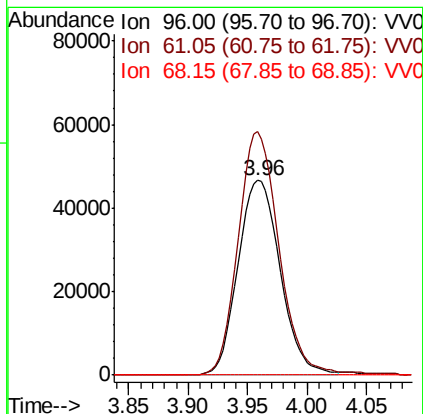
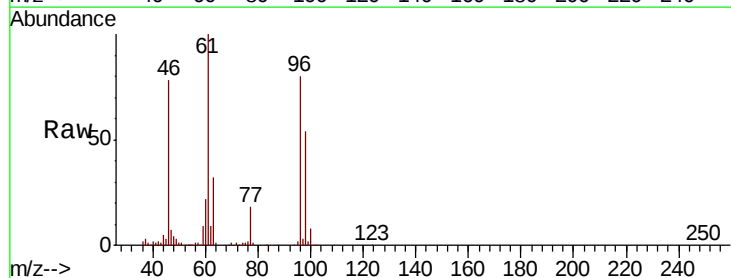
Tgt Ion: 96 Resp: 114791

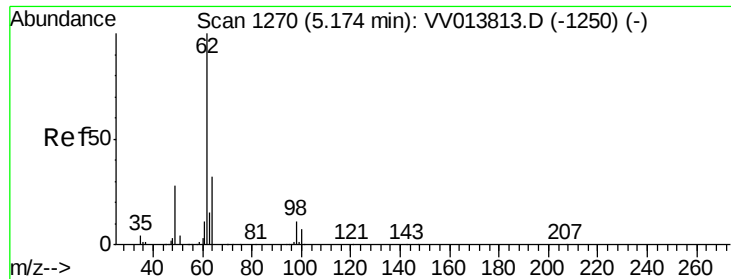
Ion Ratio Lower Upper

96 100

61 125.0 86.1 159.9

68 0.2 0.0 0.0#

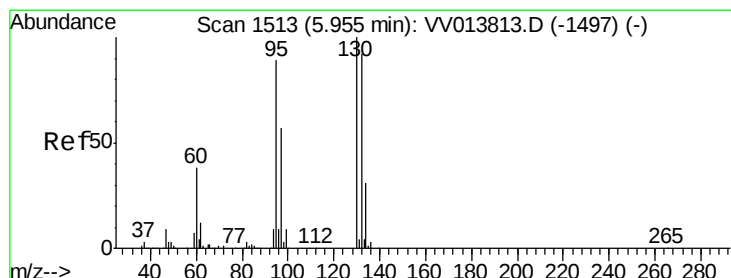
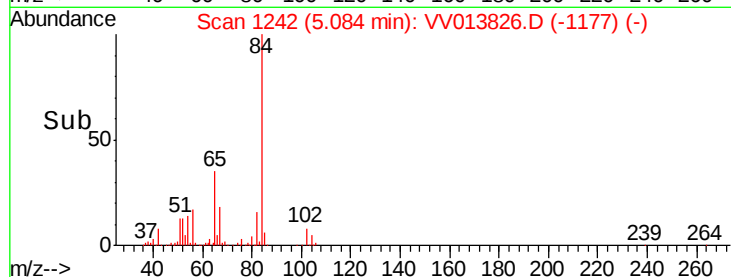
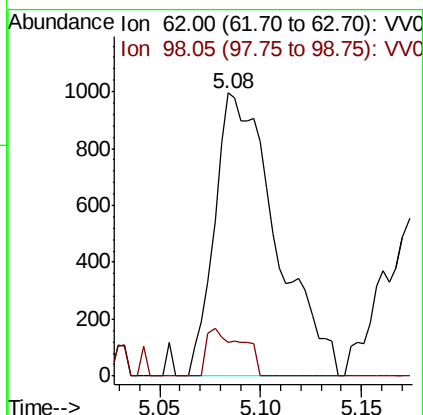
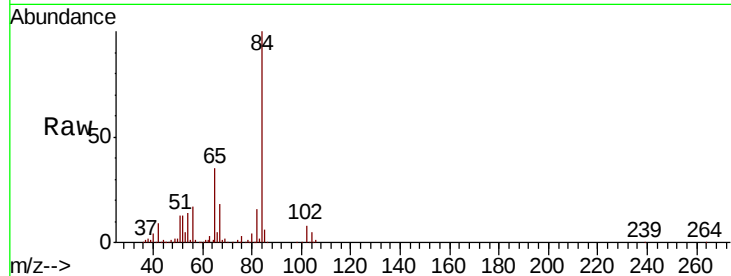




#27
 1,2-Dichloroethane
 Concen: 0.102 ug/L
 RT: 5.08 min Scan# 1242
 Delta R.T. -0.09 min
 Lab File: VV013826.D
 Acq: 27 Nov 2019 16:01

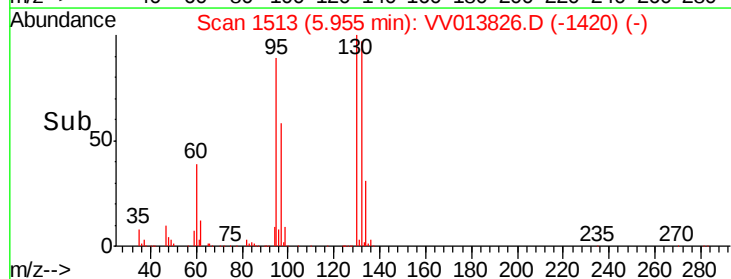
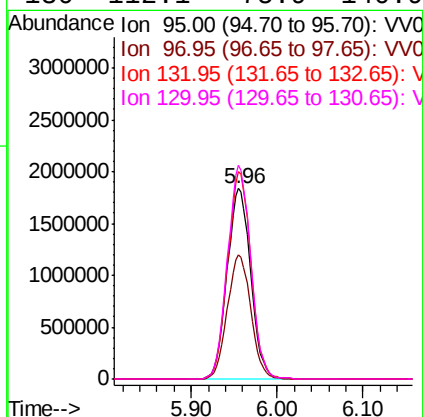
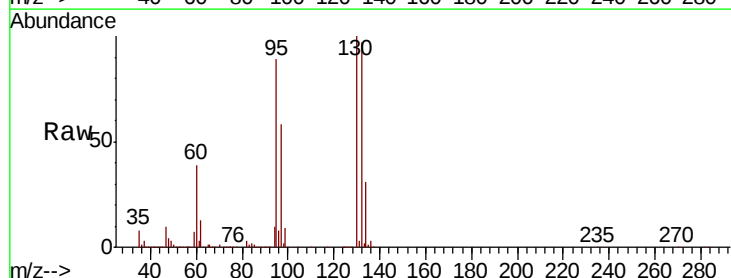
Instrument :
 MSVOA_V
 ClientSampleId :

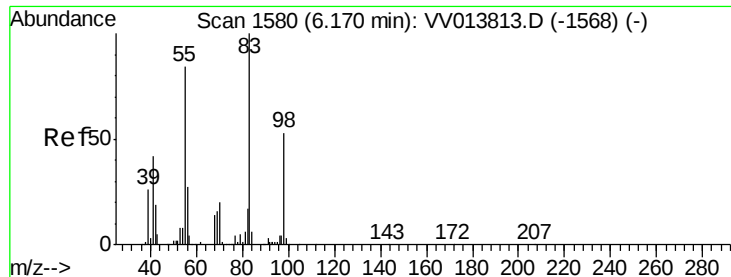
Tot Ion: 62 Resp: 2109
 Ion Ratio Lower Upper
 62 100
 98 11.8 8.2 12.2



#34
 Trichloroethene
 Concen: 163.010 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013826.D
 Acq: 27 Nov 2019 16:01

Tgt Ion: 95 Resp: 3487137
 Ion Ratio Lower Upper
 95 100
 97 65.2 45.6 84.8
 132 108.8 70.5 130.9
 130 112.1 75.9 140.9

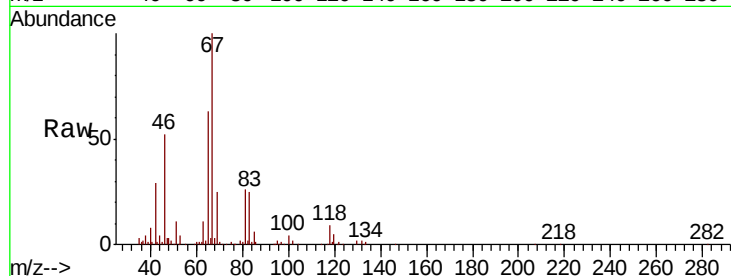




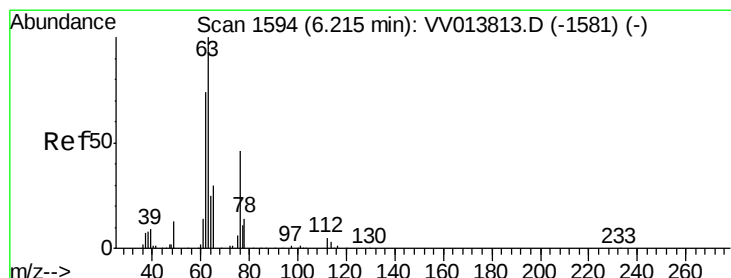
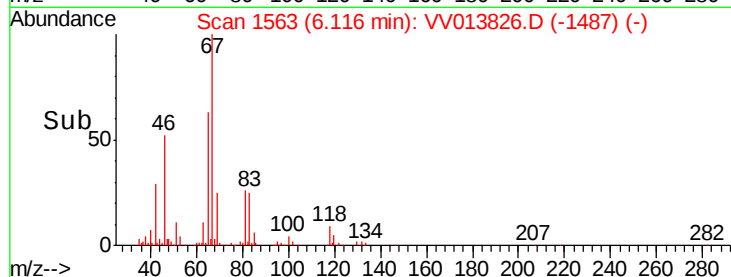
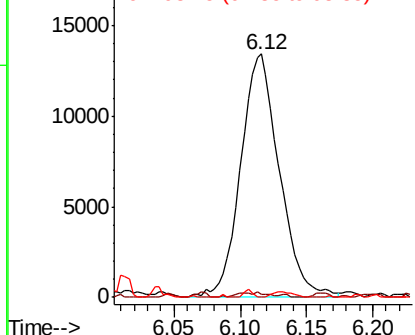
#35
Methvlcvclohexane
Concen: 0.956 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013826.D
Acq: 27 Nov 2019 16:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 27287
Ion Ratio Lower Upper
83 100
55 0.9 60.3 90.5#
98 0.0 38.1 57.1#

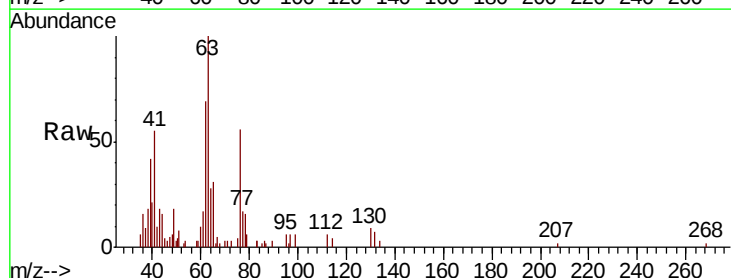


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

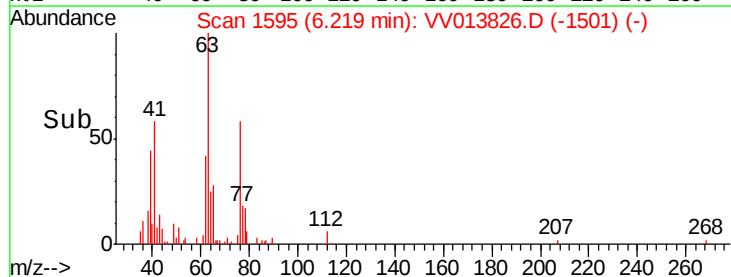
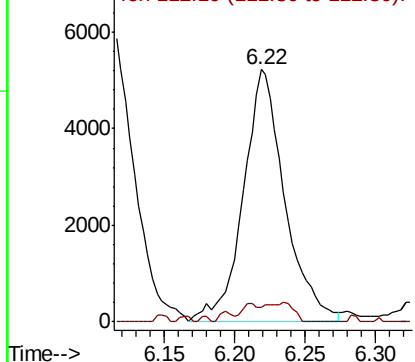


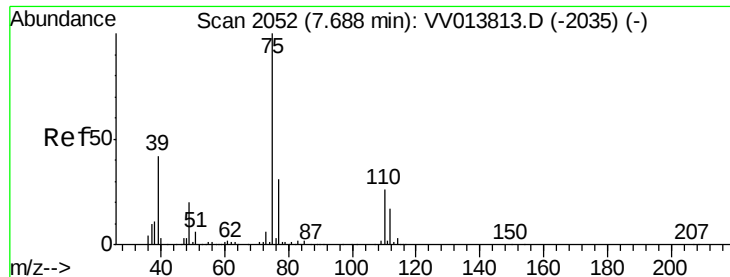
#37
1,2-Dichloropropane
Concen: 0.542 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV013826.D
Acq: 27 Nov 2019 16:01

Tgt Ion: 63 Resp: 10796
Ion Ratio Lower Upper
63 100
112 3.2 4.4 6.6#



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





#44

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.03 min

Lab File: VV013826.D

Acq: 27 Nov 2019 16:01

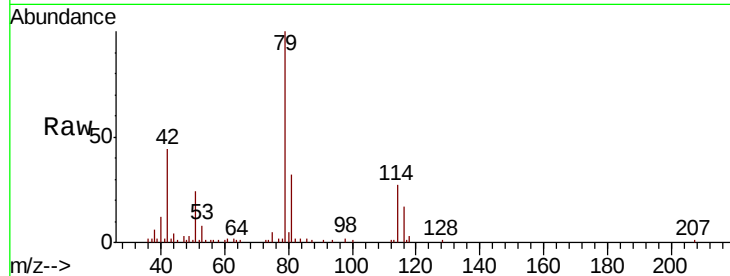
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 1237

Ion Ratio Lower Upper

75 100

77 36.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV013813.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV013813.D (-2035) (-)

7.66

800

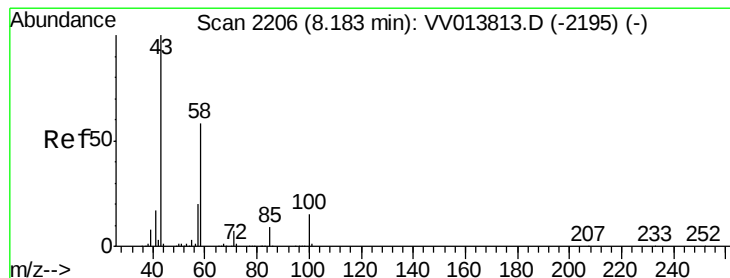
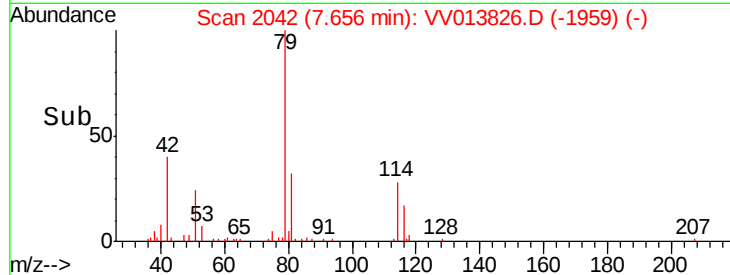
600

400

200

0

Time-->



#48

2-Hexanone

Concen: 2.636 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV013826.D

Acq: 27 Nov 2019 16:01

Tgt Ion: 43 Resp: 21879

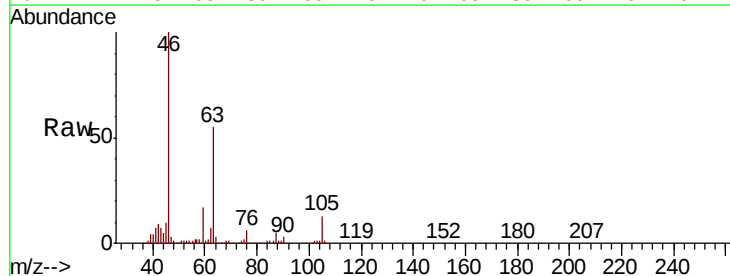
Ion Ratio Lower Upper

43 100

58 53.4 43.2 64.8

57 28.7 15.4 23.2#

100 2.6 10.4 15.6#



Abundance Ion 43.05 (42.75 to 43.75): VV013813.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV013813.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV013813.D (-2195) (-)

Ion 100.15 (99.85 to 100.85): VV013813.D (-2195) (-)

15000

10000

5000

0

Time-->

