

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012820\
 Data File : VV014417.D
 Acq On : 28 Jan 2020 13:39
 Operator : SY/MD
 Sample : L1253-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 29 05:27:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jan 29 05:25:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	856063	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	784192	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	375489	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.33	65	162605	2.72	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.40%
7) Chloroethane-d5	1.60	69	146241	3.16	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.20%#
11) 1,1-Dichloroethene-d2	2.14	63	224154	2.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.80%#
20) 2-Butanone-d5	4.04	46	270057	18.77	ug/L	0.12
Spiked Amount	50.000	Range	40 - 130	Recovery	=	37.54%#
24) Chloroform-d	4.41	84	340694	2.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	58.80%#
26) 1,2-Dichloroethane-d4	5.09	65	252919	4.36	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.10	84	1159009	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.13	67	369557	5.10	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.38	98	1020482	4.77	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.68	79	122950	3.83	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.60%
46) 2-Hexanone-d5	8.15	63	543732	40.01	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	240576	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	346982	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.34	62	48660	0.812	ug/L 96
8) Chloroethane	1.34	64	17418	0.517	ug/L 85
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2956	0.077	ug/L # 41
12) 1,1-Dichloroethene	2.15	96	7845	0.205	ug/L # 1
14) Carbon disulfide	2.33	76	58291	0.343	ug/L 98
16) Methylene chloride	2.55	84	71446	1.148	ug/L 92
18) trans-1,2-Dichloroethene	2.80	96	33492	0.583	ug/L 99
19) 1,1-Dichloroethane	3.24	63	92044	0.817	ug/L 93
22) cis-1,2-Dichloroethene	3.97	96	7363064	116.834	ug/L # 99
27) 1,2-Dichloroethane	5.19	62	9968	0.154	ug/L 99
33) Benzene	5.15	78	31990	0.132	ug/L 100
34) Trichloroethene	5.96	95	13644792	219.856	ug/L 96
35) Methylcyclohexane	6.13	83	84922	0.837	ug/L # 18
37) 1,2-Dichloropropane	6.13	63	36614	0.601	ug/L # 89
39) cis-1,3-Dichloropropene	7.05	75	8946	0.091	ug/L # 36
44) trans-1,3-Dichloropropene	7.68	75	6272	0.083	ug/L # 28
45) 1,1,2-Trichloroethane	7.90	97	35885	0.922	ug/L 98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jan 29 05:25:35 2020
Response via : Initial Calibration

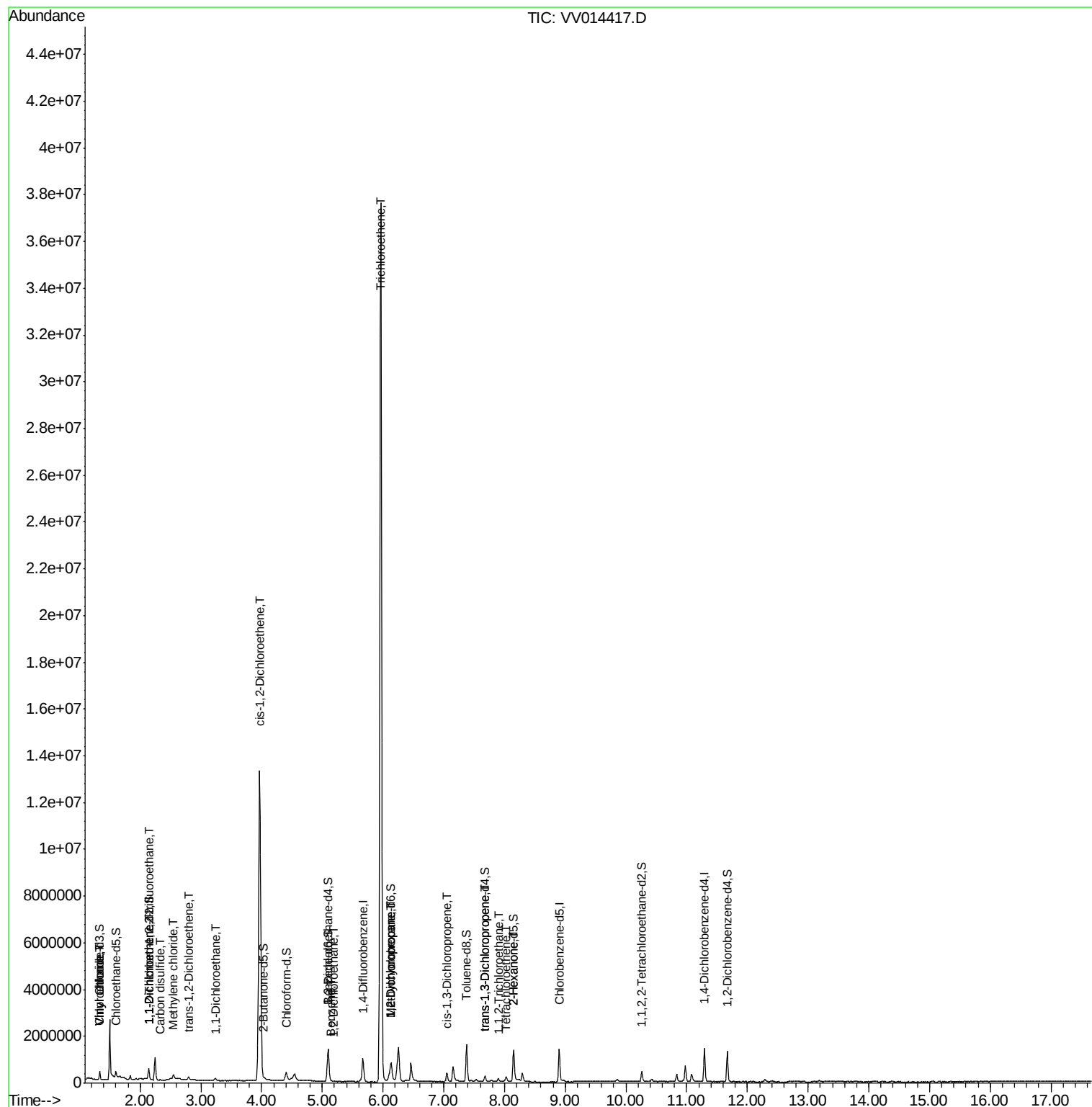
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.03	164	46994	1.108	ug/L	96
48) 2-Hexanone	8.15	43	59670	2.245	ug/L #	66

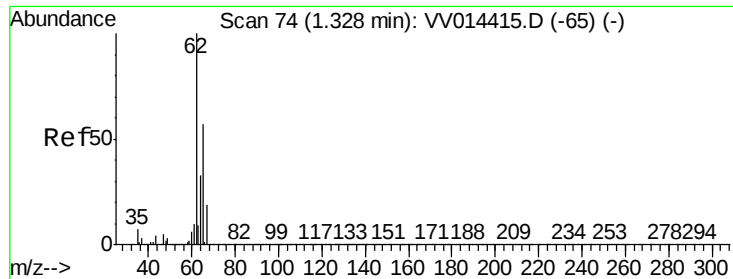
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.812 ug/L

RT: 1.34 min Scan# 77

Delta R.T. 0.01 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Instrument :

MSVOA_V

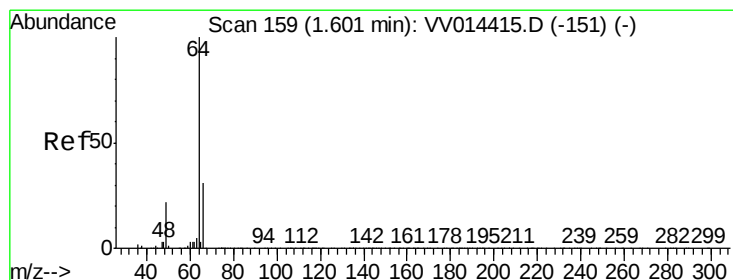
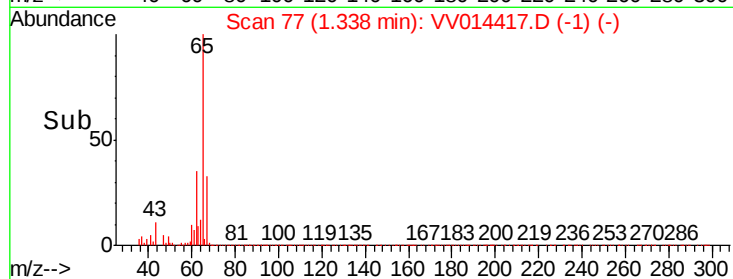
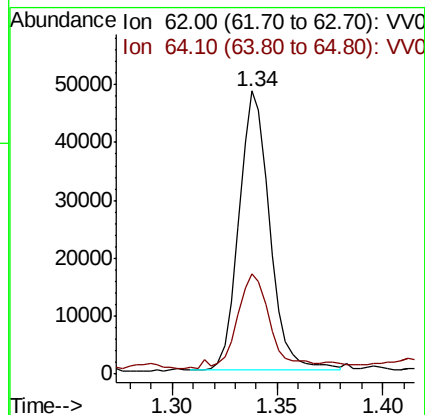
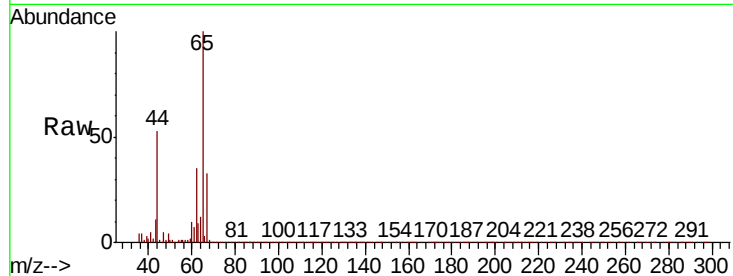
ClientSampled :

Tot Ion: 62 Resp: 48660

Ion Ratio Lower Upper

62 100

64 35.3 23.0 42.6



#8

Chloroethane

Concen: 0.517 ug/L

RT: 1.34 min Scan# 77

Delta R.T. -0.26 min

Lab File: VV014417.D

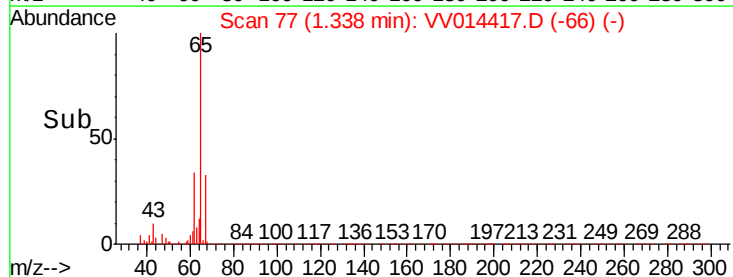
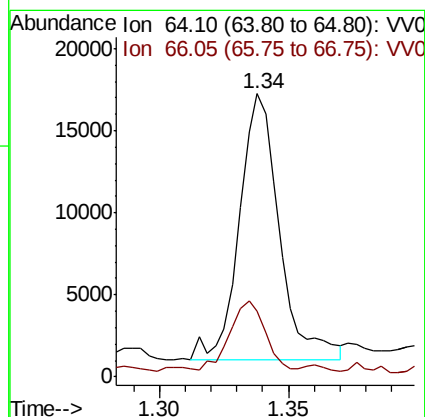
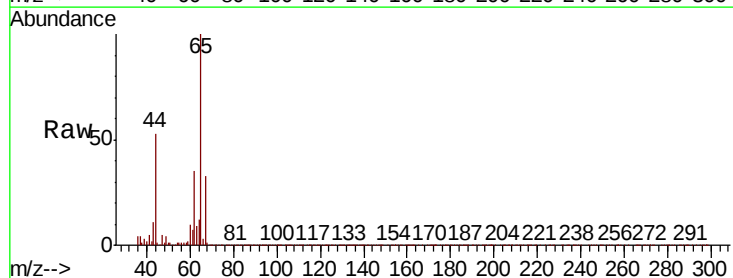
Acq: 28 Jan 2020 13:39

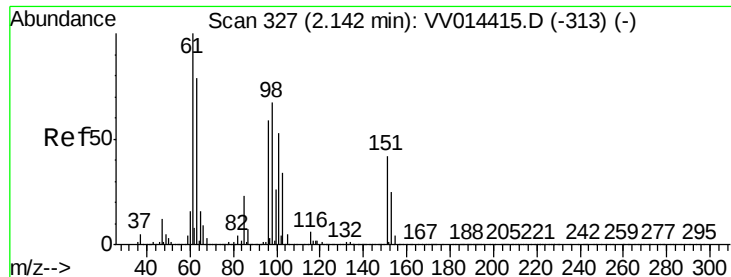
Tgt Ion: 64 Resp: 17418

Ion Ratio Lower Upper

64 100

66 23.1 21.8 40.6





#10

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

Concen: 0.077 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

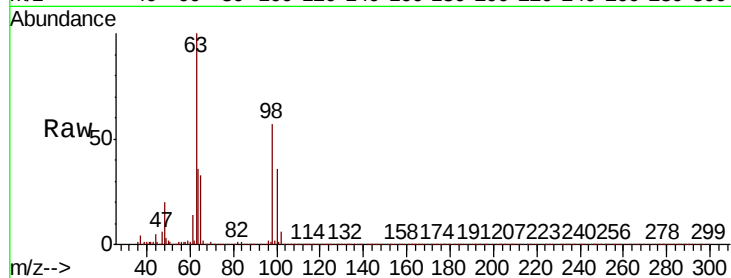
Tot Ion:101 Resp: 2956

Ion Ratio Lower Upper

101 100

85 10.1 34.9 52.3#

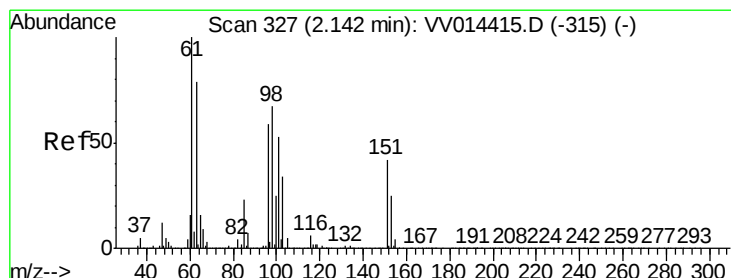
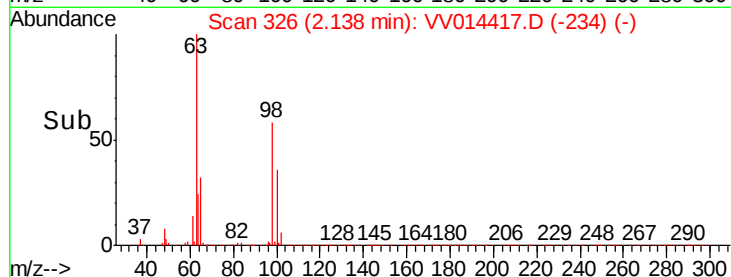
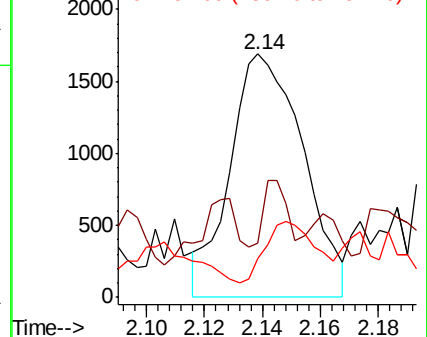
151 23.7 62.5 93.7#



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: 0.205 ug/L

RT: 2.15 min Scan# 330

Delta R.T. 0.01 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

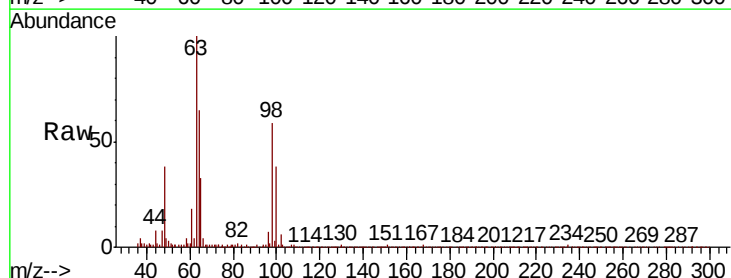
Tgt Ion: 96 Resp: 7845

Ion Ratio Lower Upper

96 100

61 277.9 121.5 225.7#

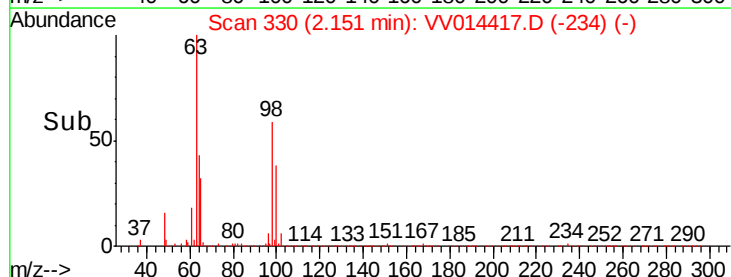
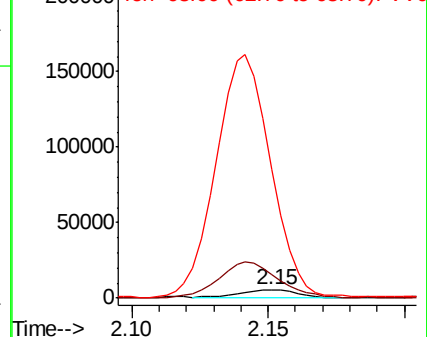
63 1537.1 90.3 167.7#

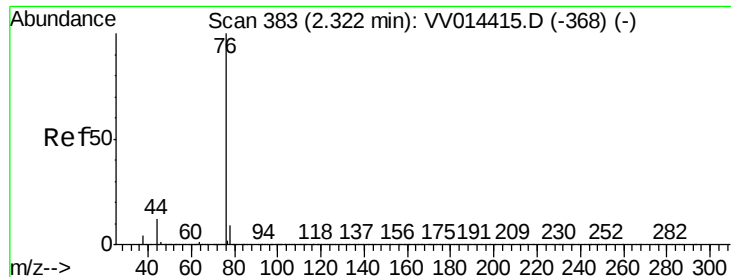


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.343 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Instrument :

MSVOA_V

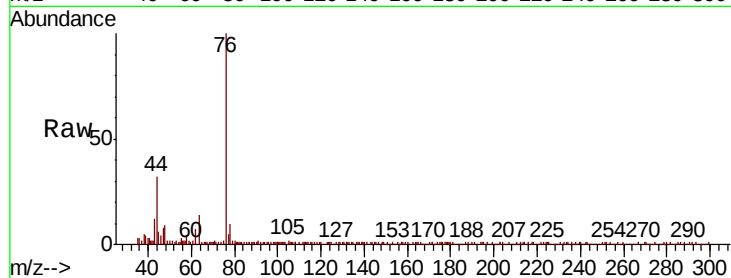
ClientSampleId :

Tot Ion: 76 Resp: 58291

Ion Ratio Lower Upper

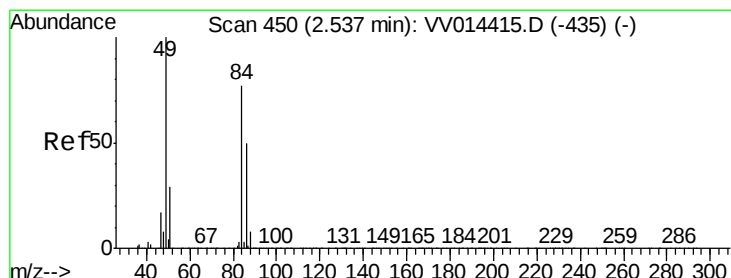
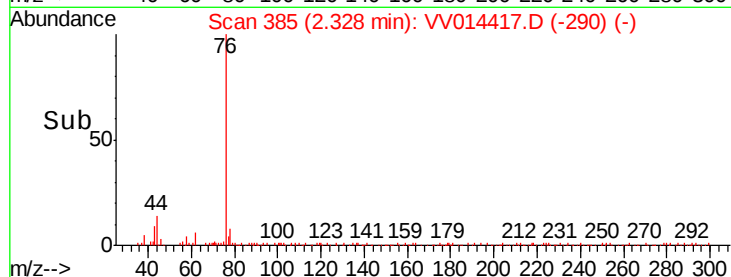
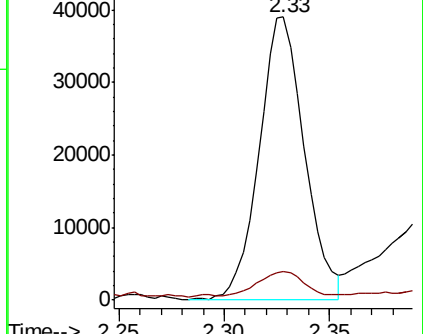
76 100

78 10.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 1.148 ug/L

RT: 2.55 min Scan# 453

Delta R.T. 0.01 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

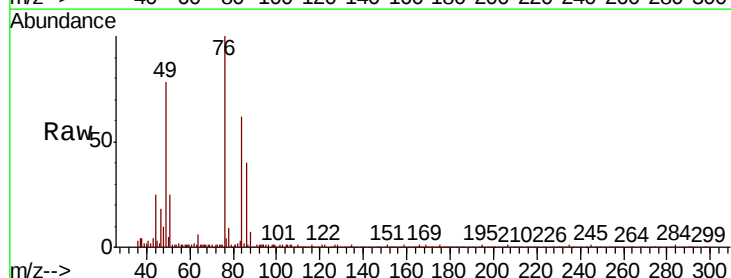
Tgt Ion: 84 Resp: 71446

Ion Ratio Lower Upper

84 100

86 64.9 43.1 80.1

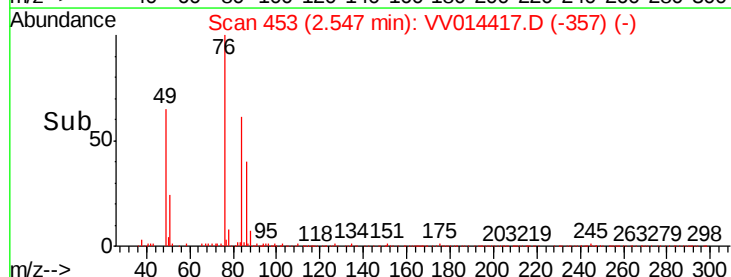
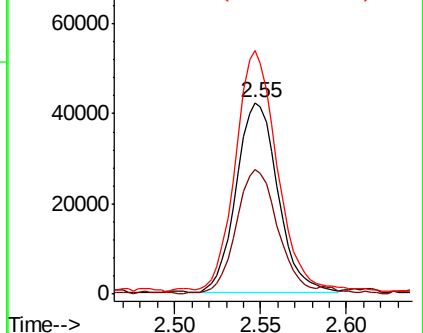
49 127.4 82.1 152.5

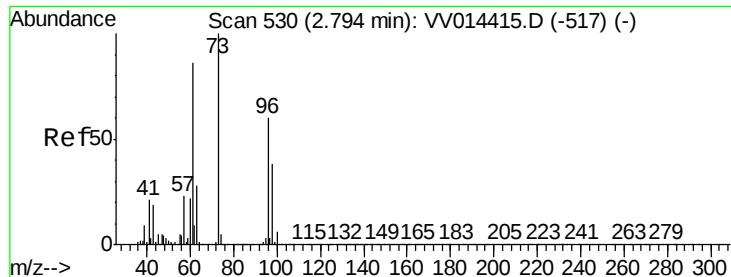


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

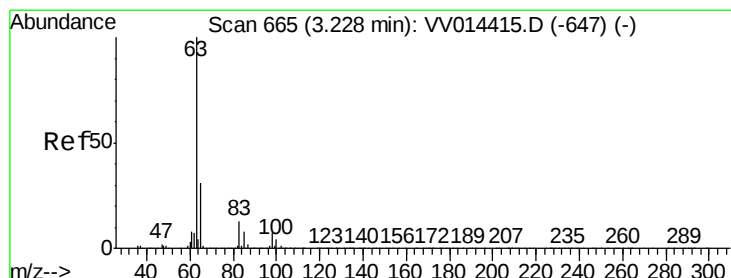
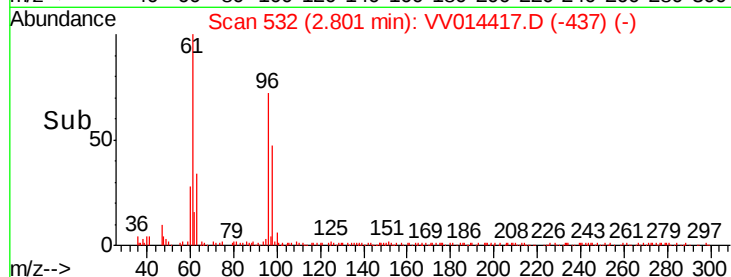
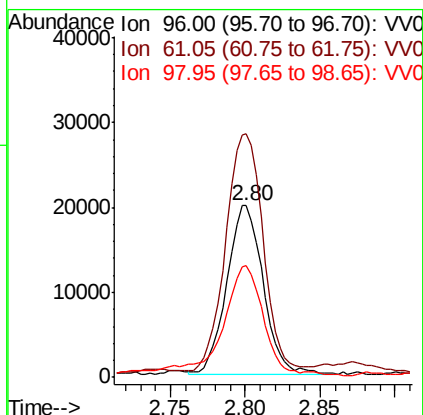
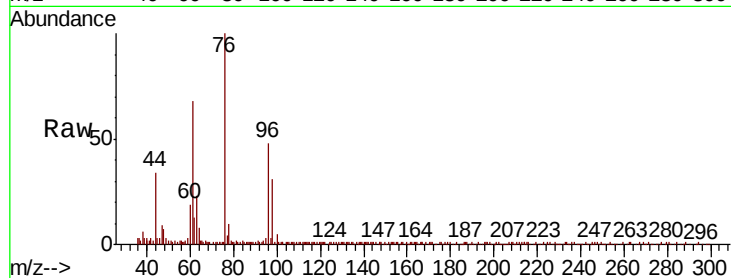




#18
trans-1,2-Dichloroethene
Concen: 0.583 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.01 min
Lab File: VV014417.D
Acq: 28 Jan 2020 13:39

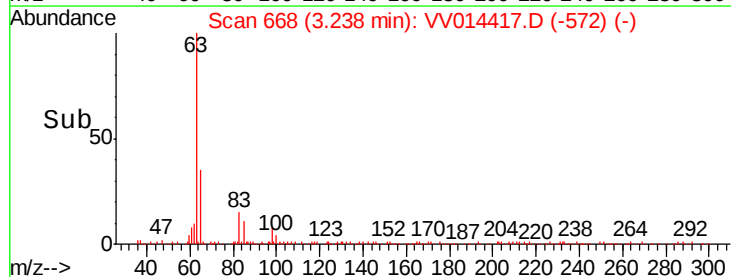
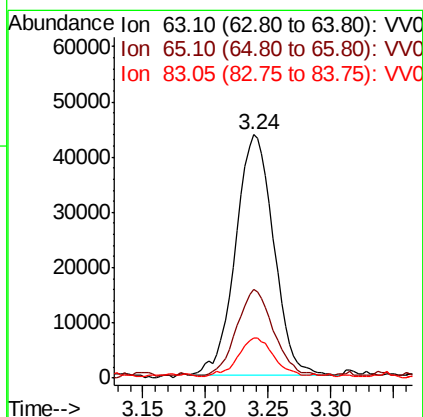
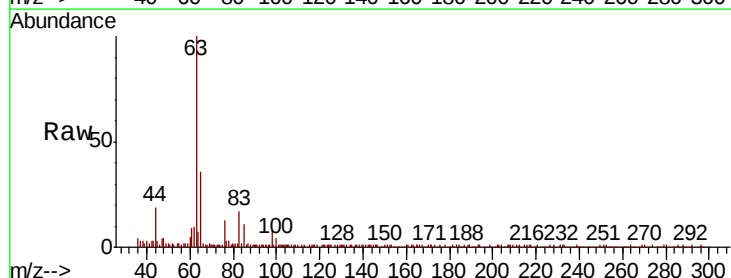
Instrument :
MSVOA_V
ClientSampleId :

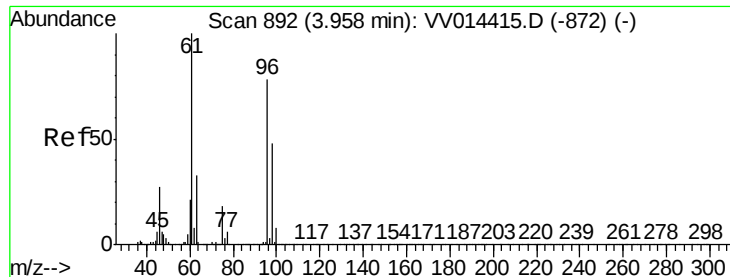
Tot Ion: 96 Resp: 33492
Ion Ratio Lower Upper
96 100
61 141.7 99.2 184.2
98 65.2 43.1 80.1



#19
1,1-Dichloroethane
Concen: 0.817 ug/L
RT: 3.24 min Scan# 668
Delta R.T. 0.01 min
Lab File: VV014417.D
Acq: 28 Jan 2020 13:39

Tgt Ion: 63 Resp: 92044
Ion Ratio Lower Upper
63 100
65 36.5 22.7 42.3
83 16.7 10.0 18.6



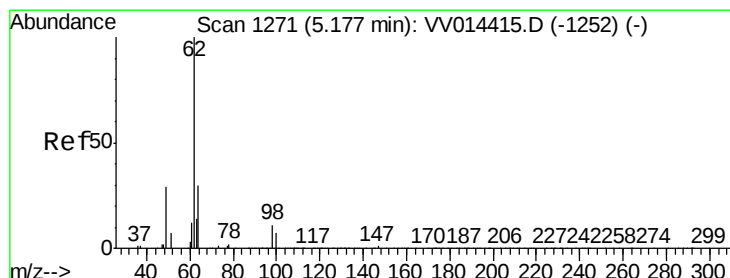
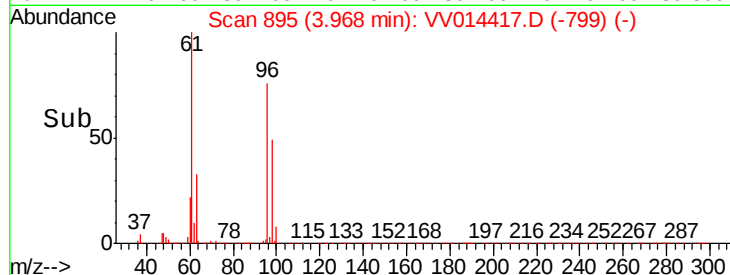
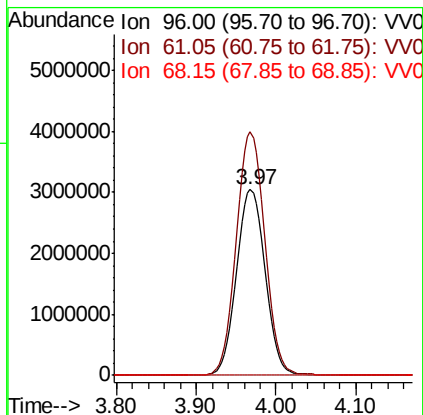
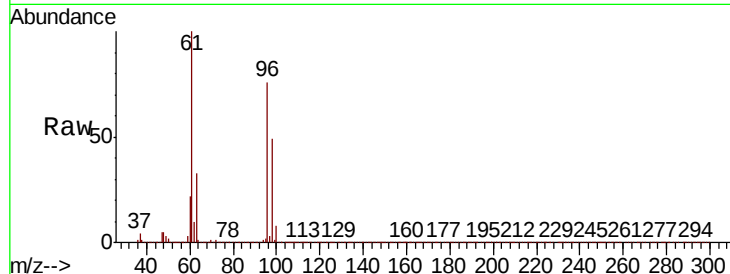


#22

cis-1,2-Dichloroethene
 Concen: 116.834 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV014417.D
 Acq: 28 Jan 2020 13:39

Instrument :
 MSVOA_V
 ClientSampleId :

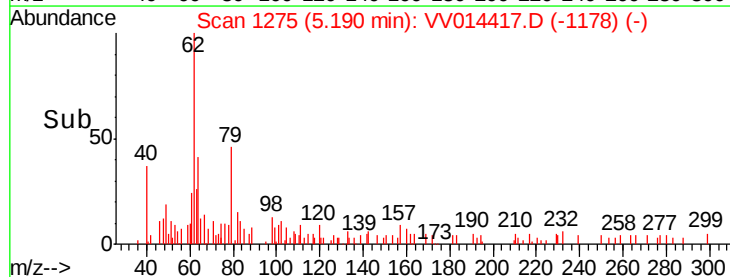
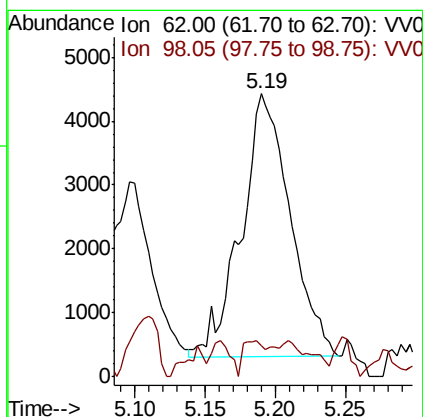
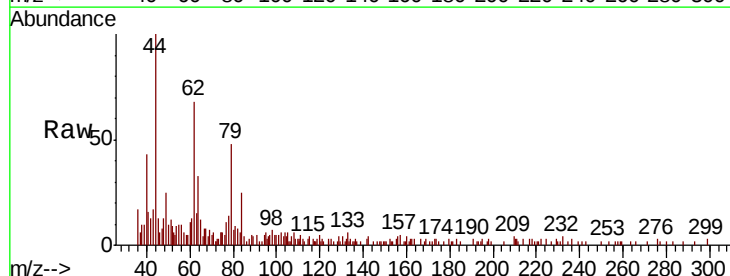
Tot Ion: 96 Resp: 7363064
 Ion Ratio Lower Upper
 96 100
 61 131.1 90.6 168.3
 68 0.0 0.3 0.7#

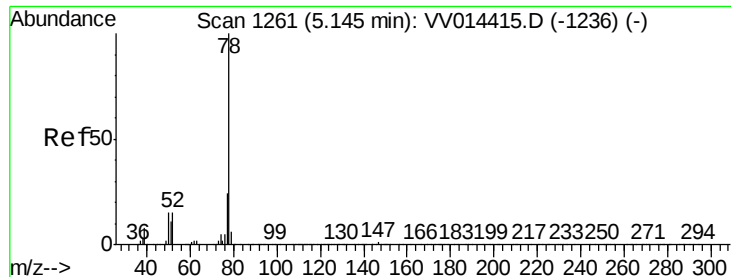


#27

1,2-Dichloroethane
 Concen: 0.154 ug/L
 RT: 5.19 min Scan# 1275
 Delta R.T. 0.01 min
 Lab File: VV014417.D
 Acq: 28 Jan 2020 13:39

Tgt Ion: 62 Resp: 9968
 Ion Ratio Lower Upper
 62 100
 98 11.0 9.2 13.8





#33

Benzene

Concen: 0.132 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV014417.D

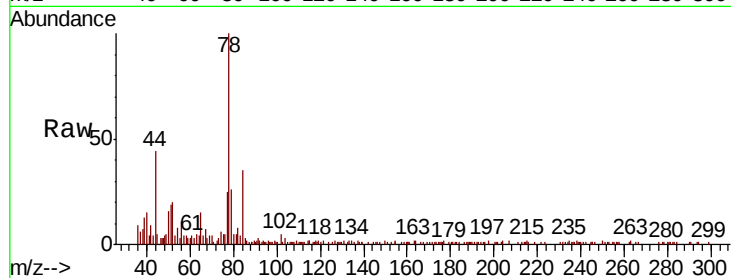
Acq: 28 Jan 2020 13:39

Instrument :

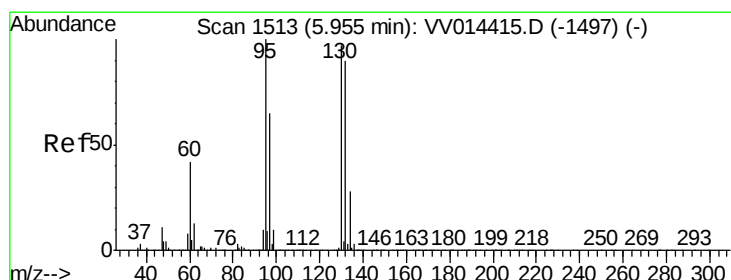
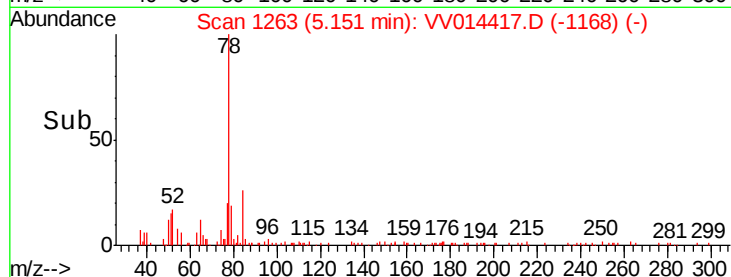
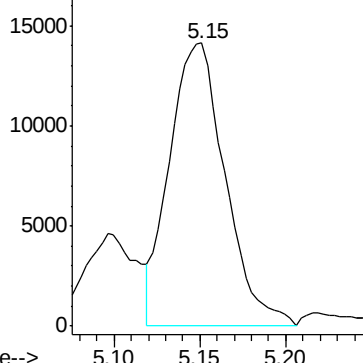
MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 31990



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 219.856 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Tgt Ion: 95 Resp:13644792

Ion	Ratio	Lower	Upper
95	100		
97	67.0	43.8	81.3
132	93.3	63.4	117.8
130	96.9	65.7	122.1

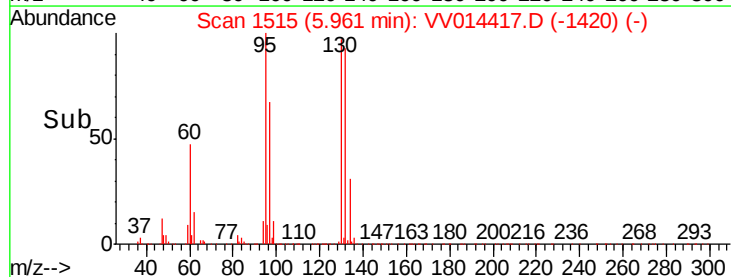
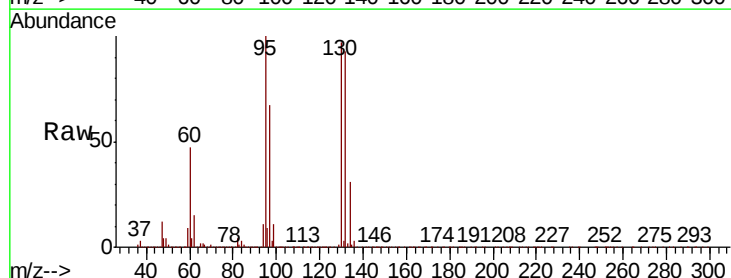
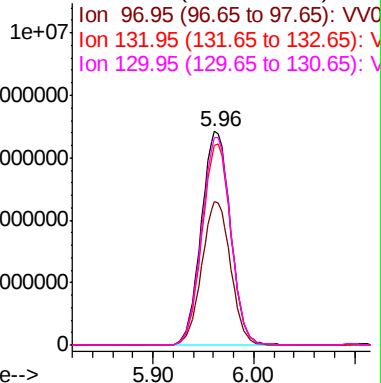
Ion 95.00 (94.70 to 95.70): VV0

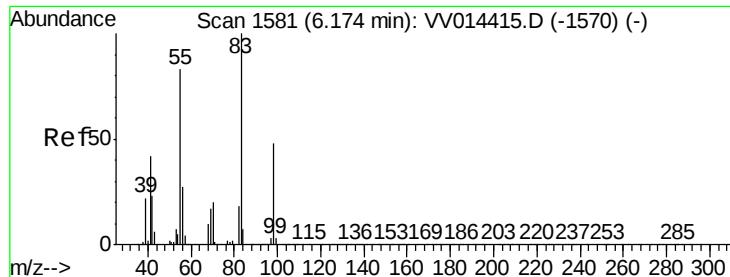
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

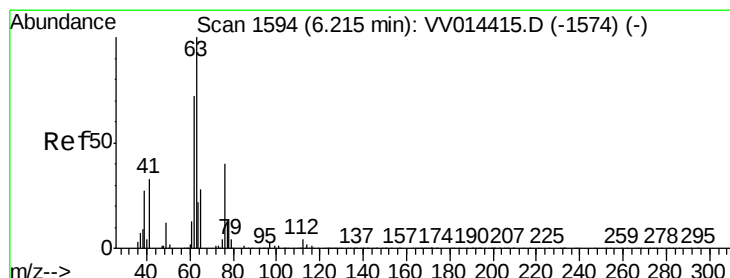
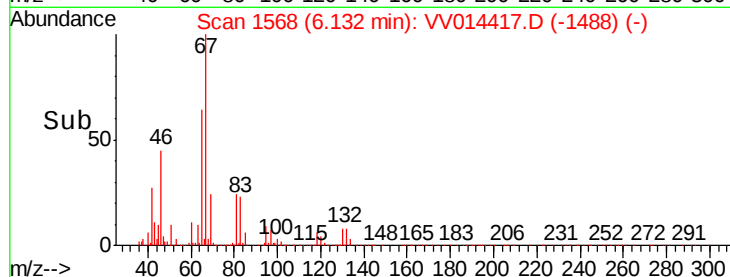
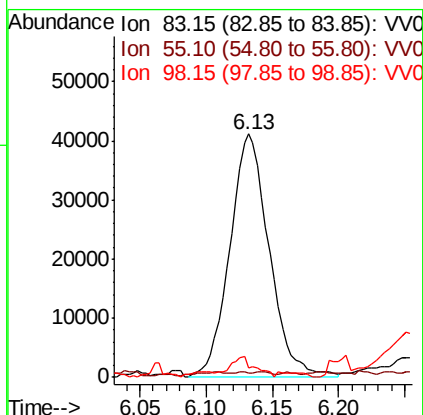
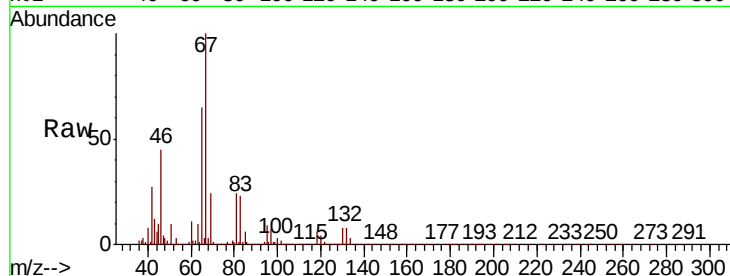




#35
Methvlcvclohexane
Concen: 0.837 ug/L
RT: 6.13 min Scan# 1568
Delta R.T. -0.04 min
Lab File: VV014417.D
Acq: 28 Jan 2020 13:39

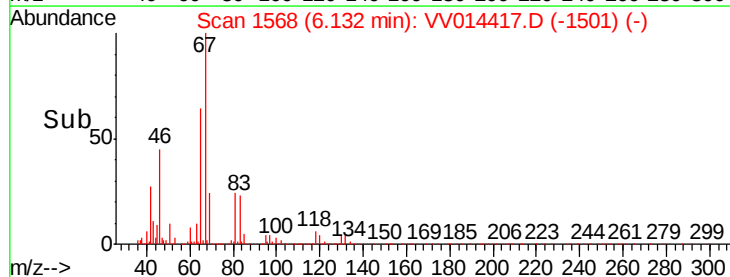
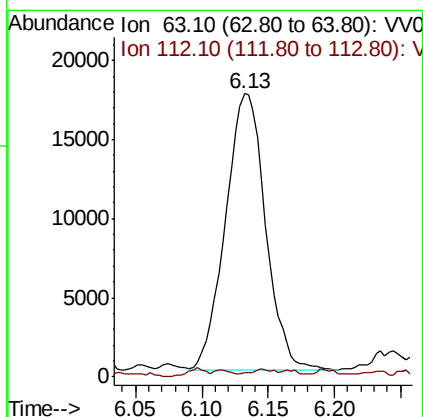
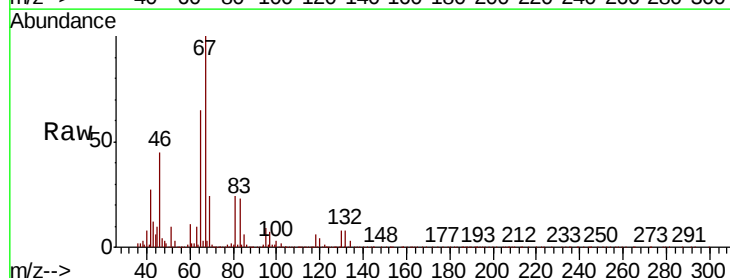
Instrument :
MSVOA_V
ClientSampled :

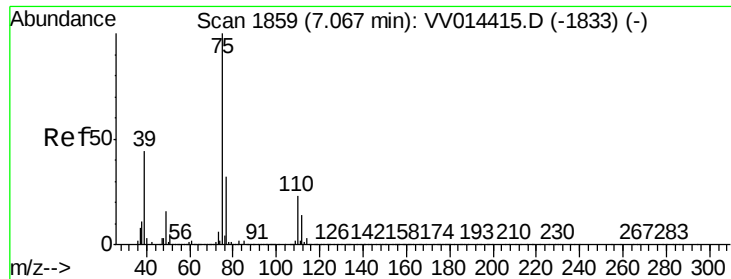
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.3	61.7	92.5#
98	0.0	38.1	57.1#



#37
1,2-Dichloropropane
Concen: 0.601 ug/L
RT: 6.13 min Scan# 1568
Delta R.T. -0.08 min
Lab File: VV014417.D
Acq: 28 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
63	100		
112	1.0	3.7	5.5#

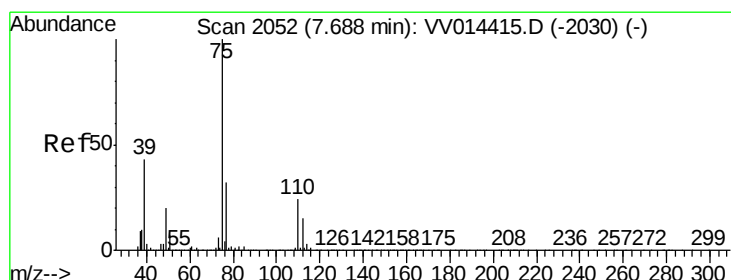
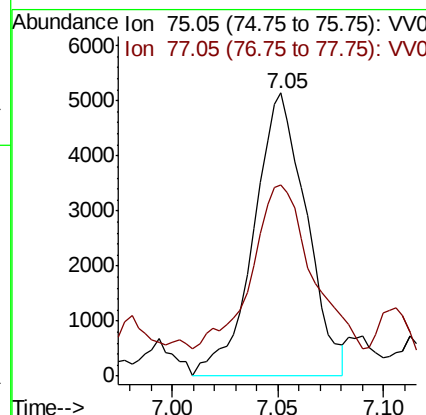
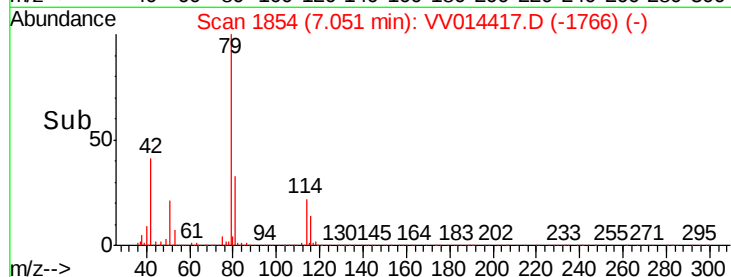
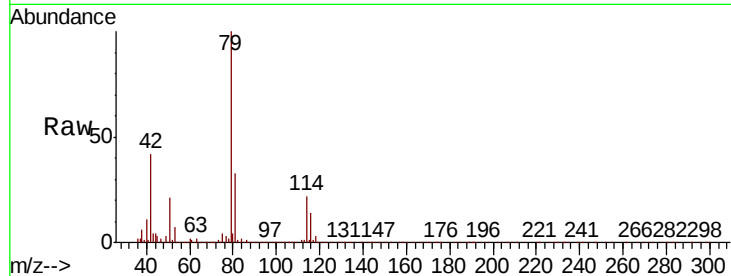




#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.02 min
 Lab File: VV014417.D
 Acq: 28 Jan 2020 13:39

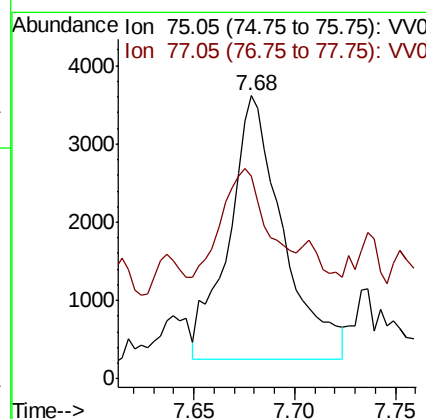
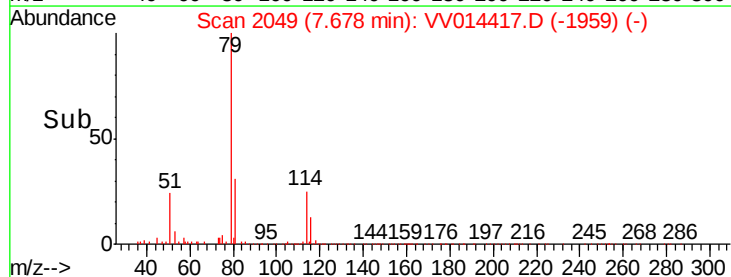
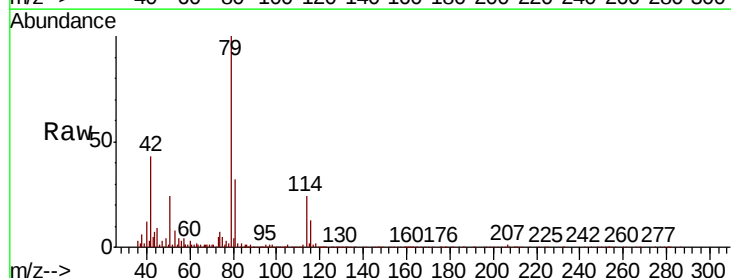
Instrument :
 MSVOA_V
 ClientSampleId :

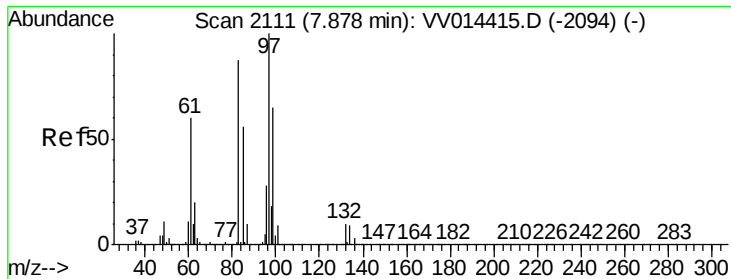
Tot Ion: 75 Resp: 8946
 Ion Ratio Lower Upper
 75 100
 77 67.4 22.4 41.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.68 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VV014417.D
 Acq: 28 Jan 2020 13:39

Tgt Ion: 75 Resp: 6272
 Ion Ratio Lower Upper
 75 100
 77 71.6 22.0 41.0#





#45

1,1,2-Trichloroethane

Concen: 0.922 ug/L

RT: 7.90 min Scan# 2117

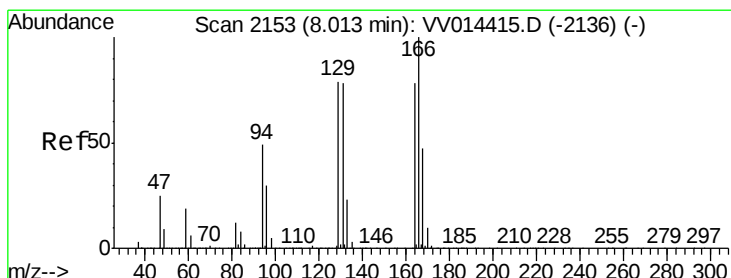
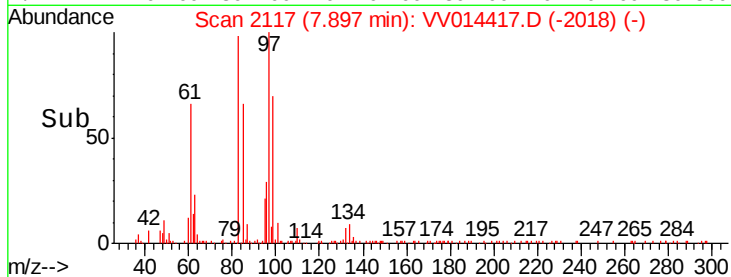
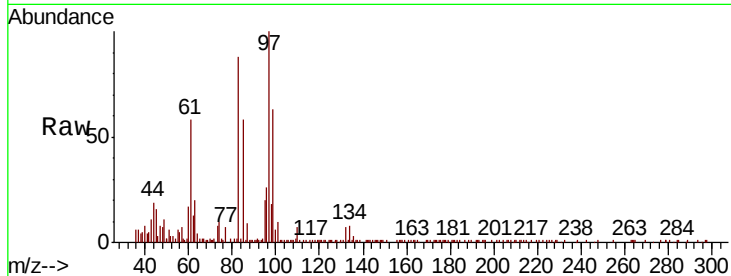
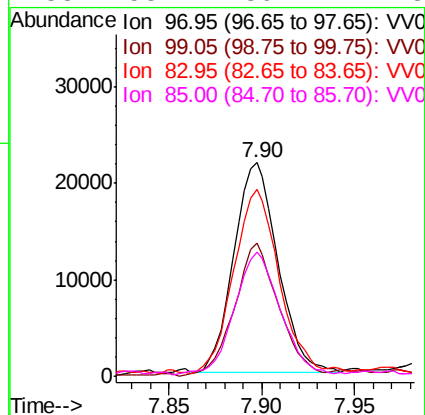
Delta R.T. 0.02 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	35885
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.7	81.1
83	87.6	60.0	111.4
85	58.4	39.2	72.8



#47

Tetrachloroethene

Concen: 1.108 ug/L

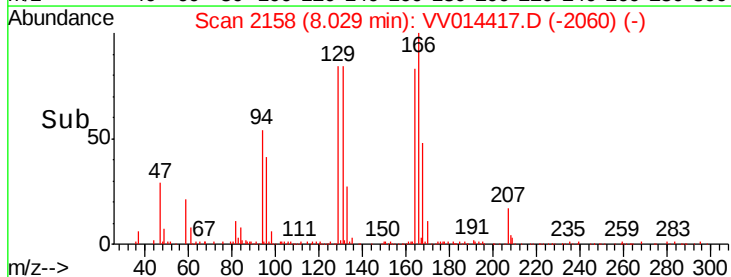
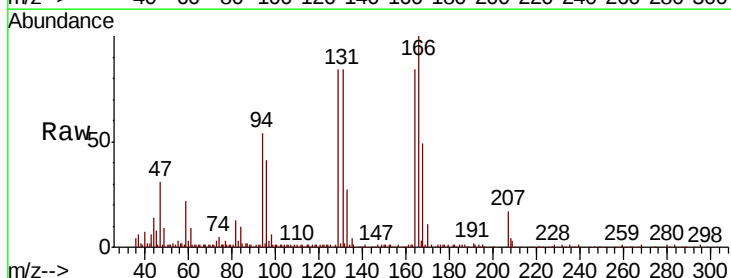
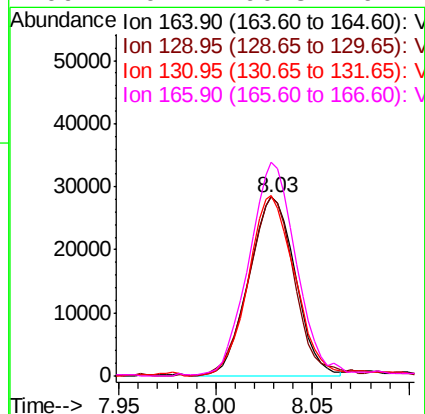
RT: 8.03 min Scan# 2158

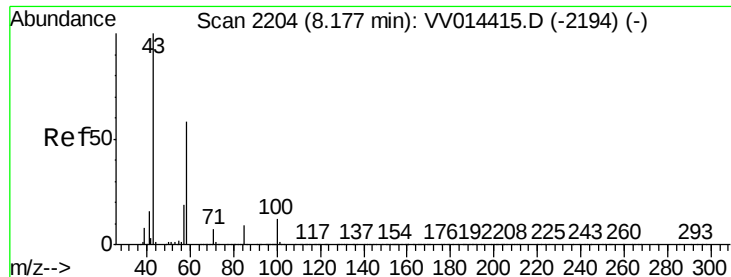
Delta R.T. 0.02 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Tgt Ion:	164	Resp:	46994
Ion	Ratio	Lower	Upper
164	100		
129	100.3	71.7	133.3
131	100.9	70.4	130.8
166	119.4	90.3	167.7





#48

2-Hexanone

Concen: 2.245 ug/L

RT: 8.15 min Scan# 2196

Delta R.T. -0.03 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 59670

Ion Ratio Lower Upper

43 100

58 23.7 45.4 68.0#

57 16.7 15.8 23.8

100 0.6 10.2 15.4#

