

Data File : VV014132.D
Acq On : 19 Dec 2019 16:12
Operator : SY/MD
Sample : K6286-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDY0

Quant Time: Dec 20 07:16:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 07:12:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	458405	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	435911	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	197251	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102558	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.58	69	102155	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.13	63	131005	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	3.92	46	324178	54.96	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.92%
24) Chloroform-d	4.40	84	231254	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
26) 1,2-Dichloroethane-d4	5.08	65	116359	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	5.10	84	399769	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.00%
36) 1,2-Dichloropropane-d6	6.11	67	140241	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.36	98	300625	2.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	57.00%#
43) trans-1,3-Dichloropropene-	7.66	79	43783	3.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.20%
46) 2-Hexanone-d5	8.13	63	216868	45.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.14%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	114533	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	136143	3.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.20%#

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	2297	0.086 ug/L	87
6) Bromomethane	1.53	94	1450	0.101 ug/L	84
12) 1,1-Dichloroethene	2.14	96	4582	0.208 ug/L #	1
13) Acetone	2.19	43	19108	4.633 ug/L #	63
14) Carbon disulfide	2.32	76	7499	0.147 ug/L	96
15) Methyl Acetate	2.46	43	4889	0.529 ug/L #	52
17) Methyl tert-butyl Ether	2.80	73	6233	0.103 ug/L #	1
18) trans-1,2-Dichloroethene	2.79	96	3413	0.137 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	70867	2.428 ug/L #	99
27) 1,2-Dichloroethane	5.10	62	2137	0.071 ug/L	95
33) Benzene	5.15	78	8403	0.079 ug/L	100
34) Trichloroethene	5.96	95	290076	9.834 ug/L	98
35) Methylcyclohexane	6.11	83	33572	0.853 ug/L #	20
37) 1,2-Dichloropropane	6.11	63	14505	0.528 ug/L #	88
42) Toluene	7.43	91	7340	0.064 ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	1845	0.060 ug/L	95
47) Tetrachloroethene	8.02	164	4257	0.166 ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121919\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

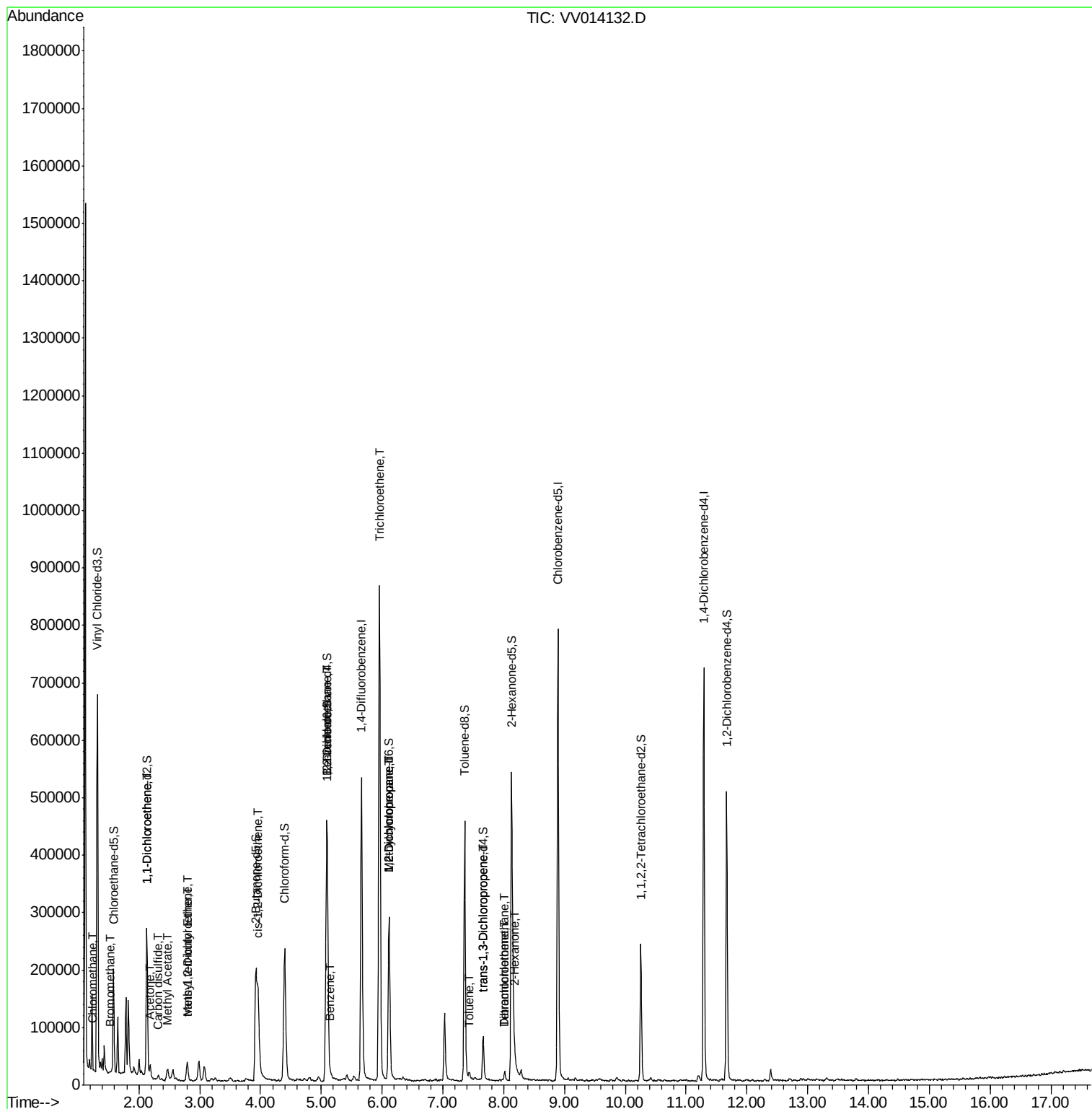
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.18	43	6398	0.559	ug/L #	49
49) Dibromochloromethane	8.02	129	3440	0.137	ug/L #	10

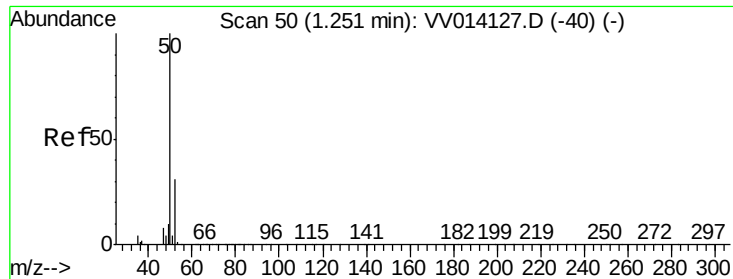
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.086 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

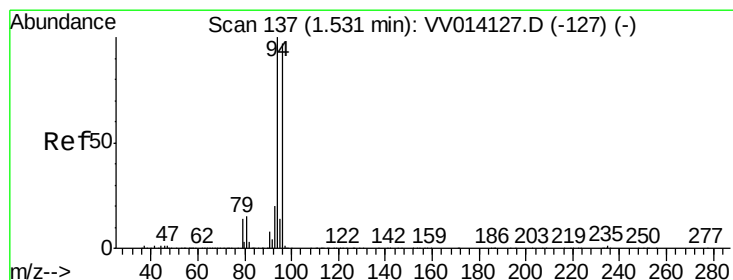
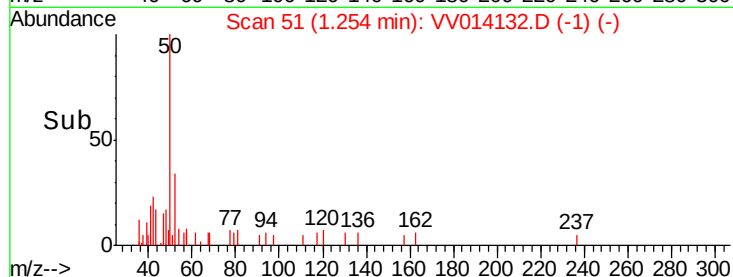
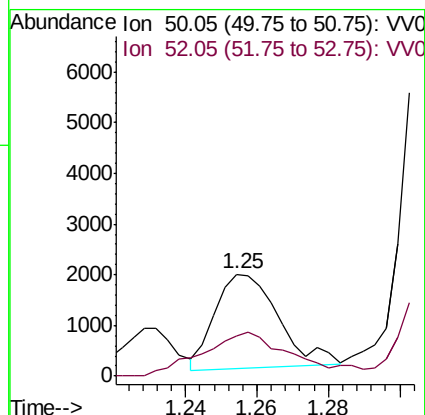
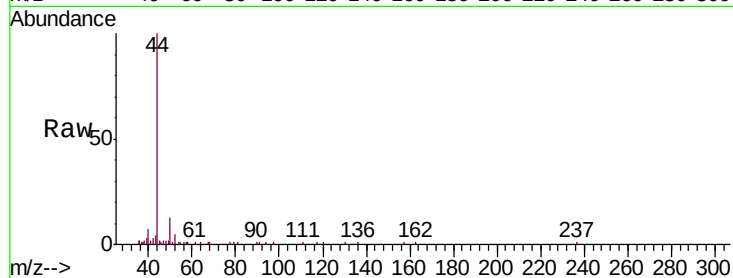
BFDY0

Tgt Ion: 50 Resp: 2297

Ion Ratio Lower Upper

50 100

52 39.1 22.5 41.7



#6

Bromomethane

Concen: 0.101 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014132.D

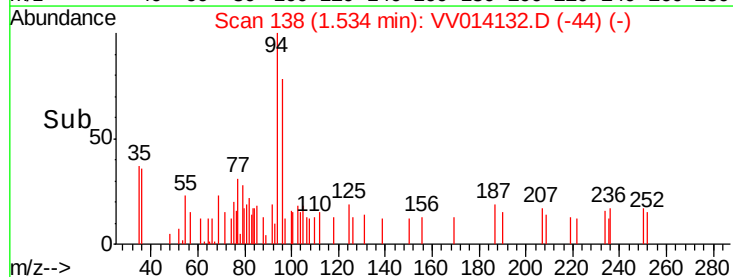
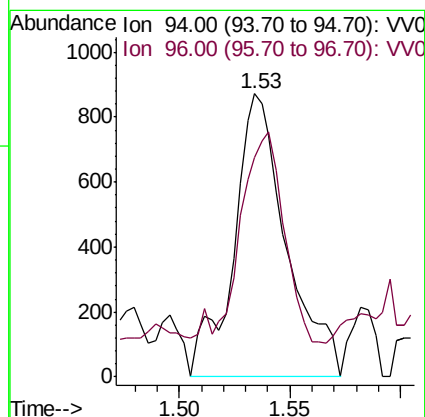
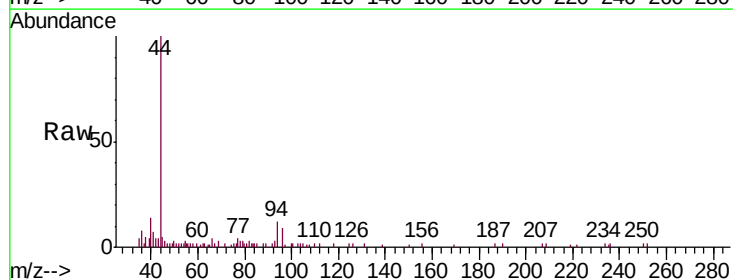
Acq: 19 Dec 2019 16:12

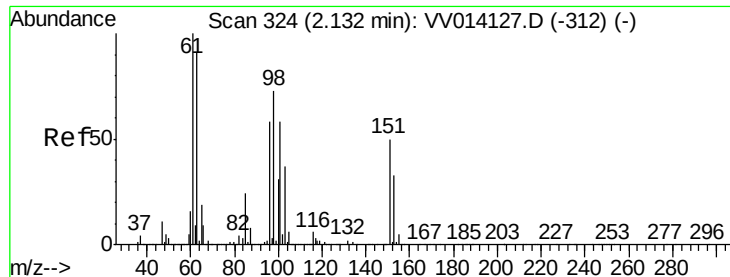
Tgt Ion: 94 Resp: 1450

Ion Ratio Lower Upper

94 100

96 77.5 65.2 121.0





#12

1,1-Dichloroethene

Concen: 0.208 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

BFDY0

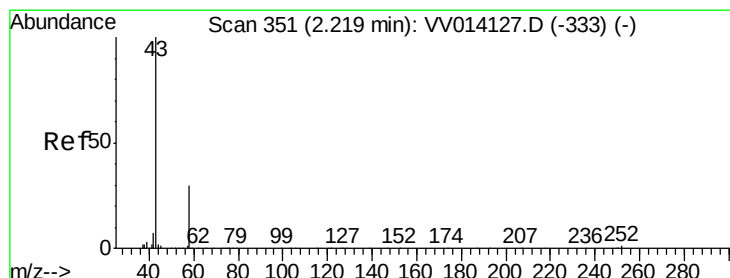
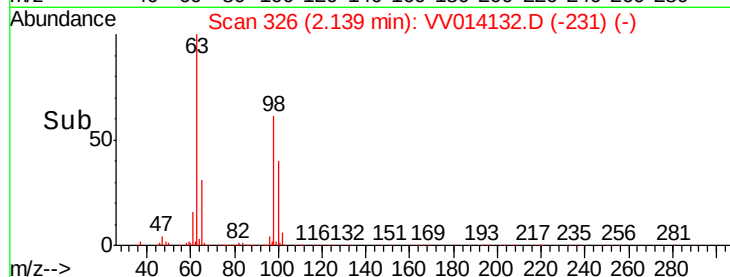
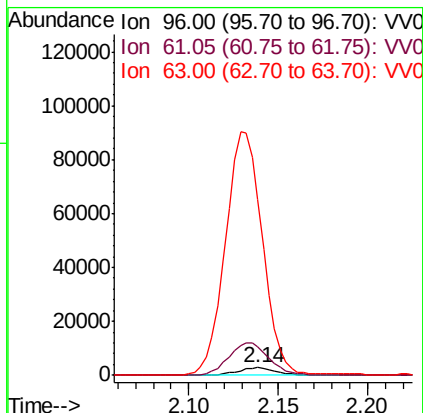
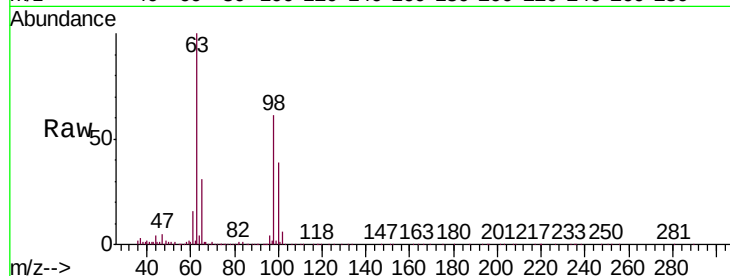
Tgt Ion: 96 Resp: 4582

Ion Ratio Lower Upper

96 100

61 373.4 116.3 215.9#

63 2308.0 96.7 179.7#



#13

Acetone

Concen: 4.633 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.03 min

Lab File: VV014132.D

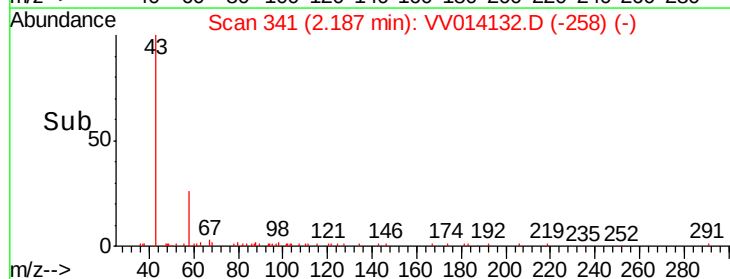
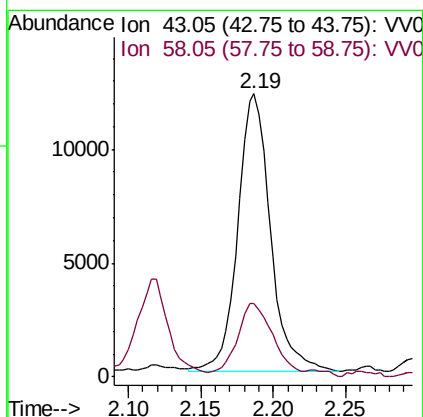
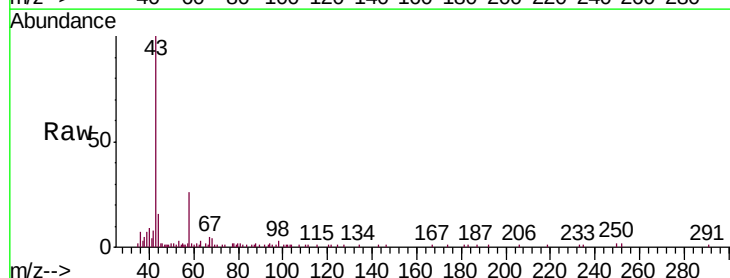
Acq: 19 Dec 2019 16:12

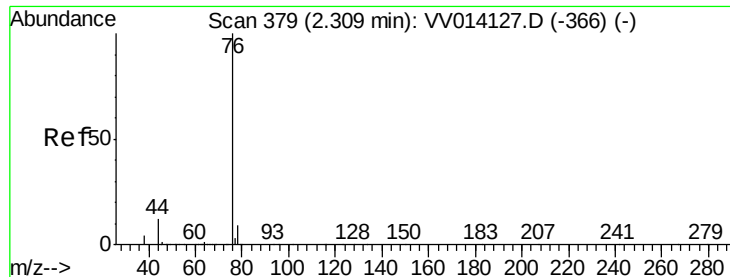
Tgt Ion: 43 Resp: 19108

Ion Ratio Lower Upper

43 100

58 28.5 0.0 27.2#





#14

Carbon disulfide

Concen: 0.147 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

Instrument :

MSVOA_V

ClientSampled :

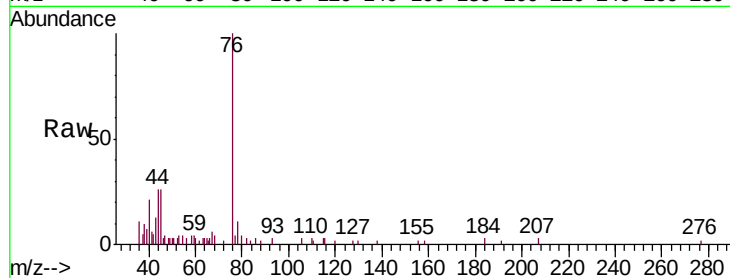
BFDY0

Tgt Ion: 76 Resp: 7499

Ion Ratio Lower Upper

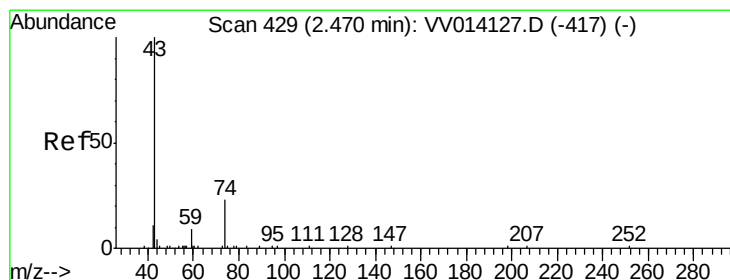
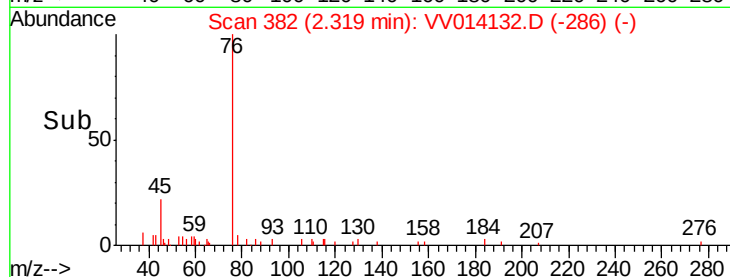
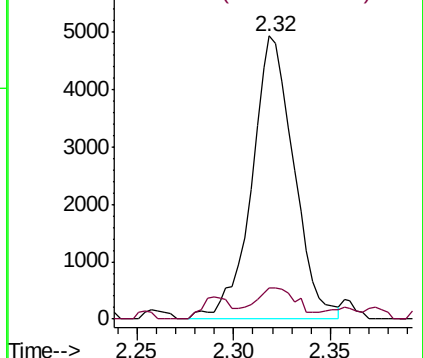
76 100

78 10.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.529 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.01 min

Lab File: VV014132.D

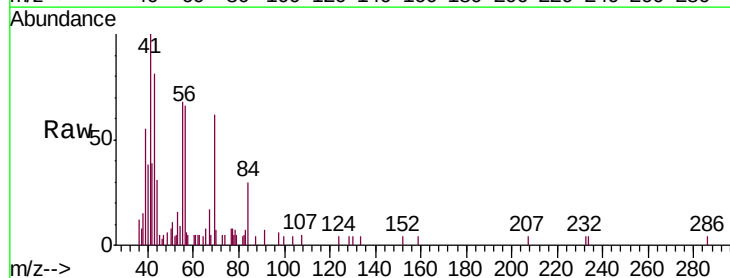
Acq: 19 Dec 2019 16:12

Tgt Ion: 43 Resp: 4889

Ion Ratio Lower Upper

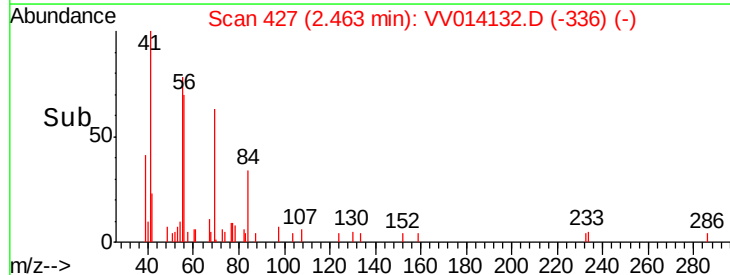
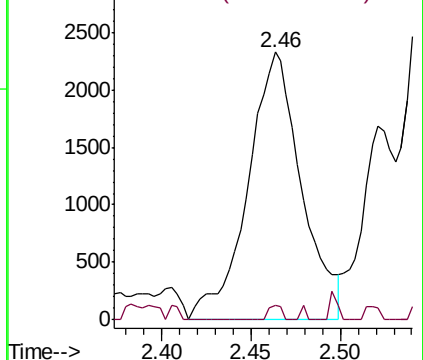
43 100

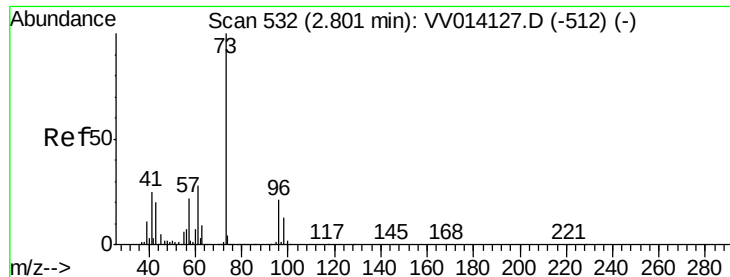
74 1.4 20.5 30.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#17

Methyl tert-butyl Ether

Concen: 0.103 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

BFDY0

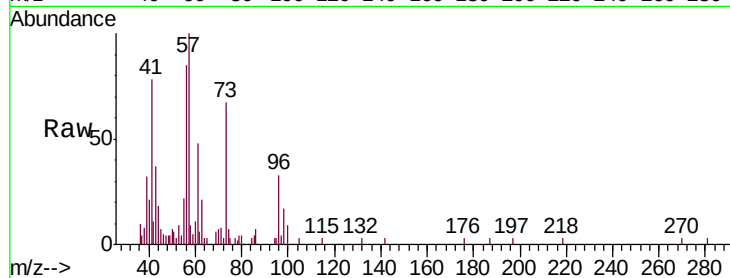
Tgt Ion: 73 Resp: 6233

Ion Ratio Lower Upper

73 100

43 72.3 15.5 23.3#

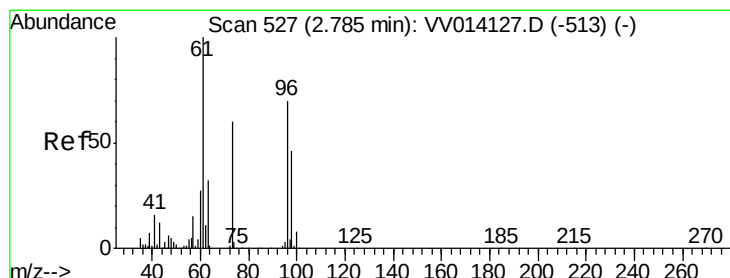
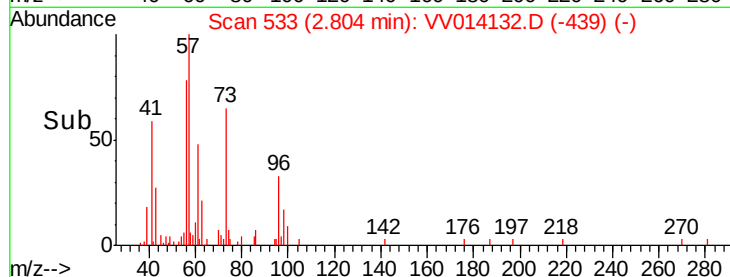
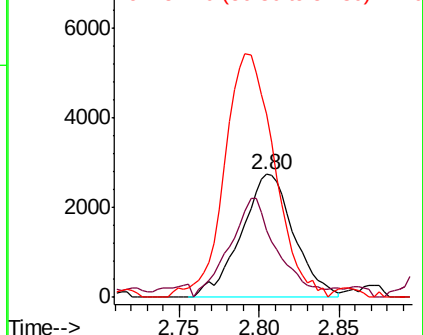
57 185.6 17.5 26.3#



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



#18

trans-1,2-Dichloroethene

Concen: 0.137 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

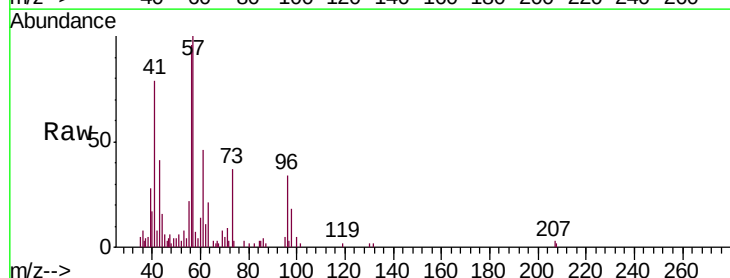
Tgt Ion: 96 Resp: 3413

Ion Ratio Lower Upper

96 100

61 132.9 95.1 176.7

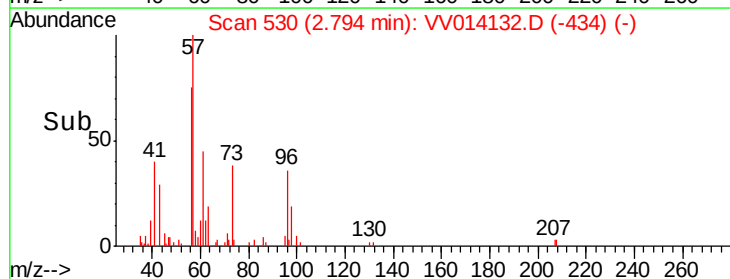
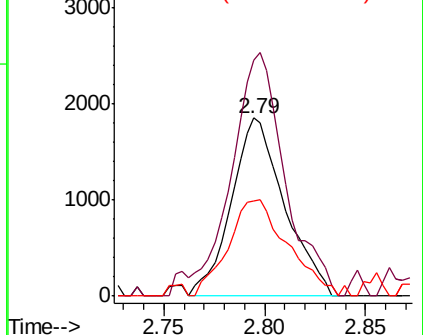
98 53.8 46.5 86.3

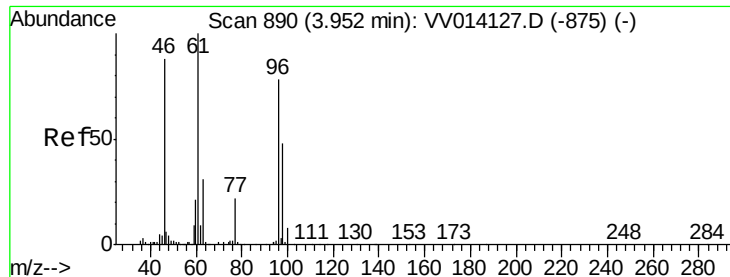


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



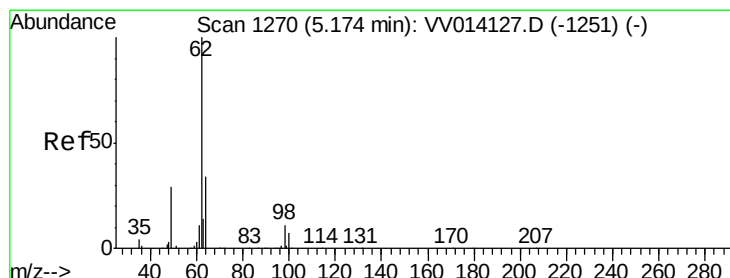
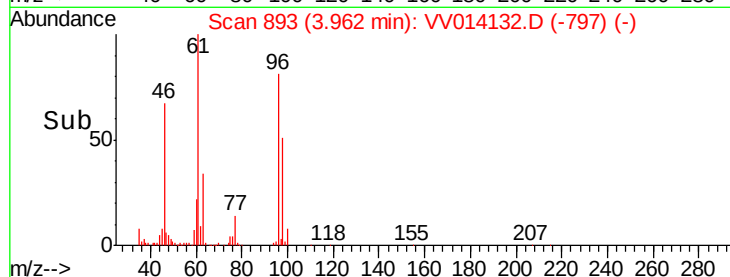
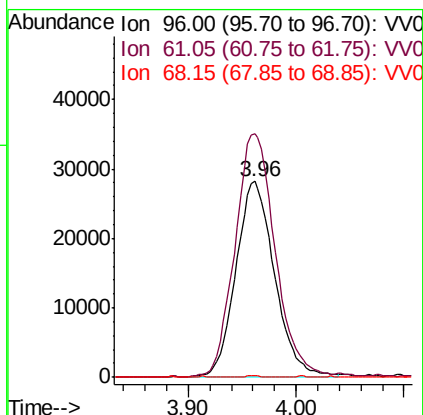
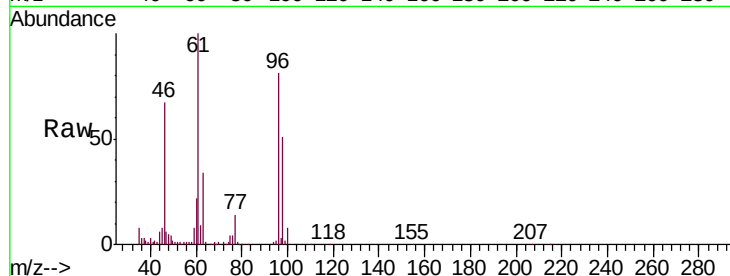


#22

cis-1,2-Dichloroethene
 Concen: 2.428 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV014132.D
 Acq: 19 Dec 2019 16:12

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDY0

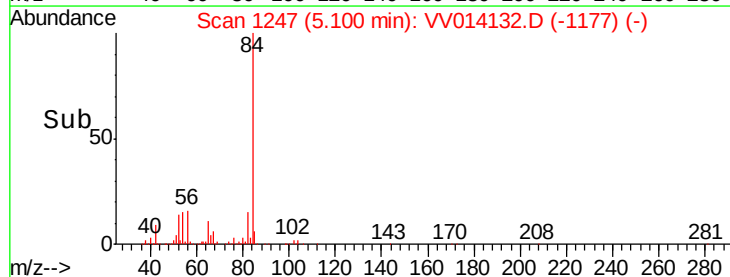
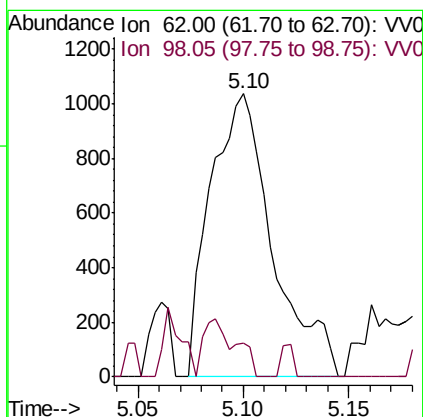
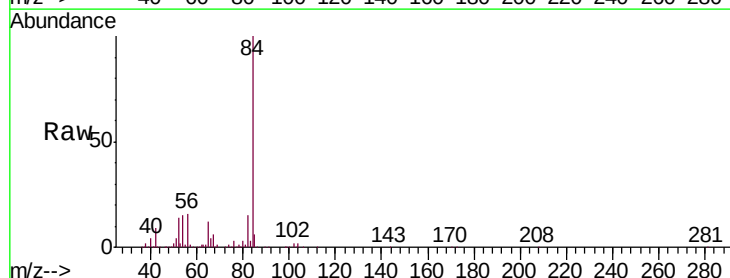
Tgt Ion: 96 Resp: 70867
 Ion Ratio Lower Upper
 96 100
 61 124.2 86.1 159.9
 68 0.8 0.0 0.0#

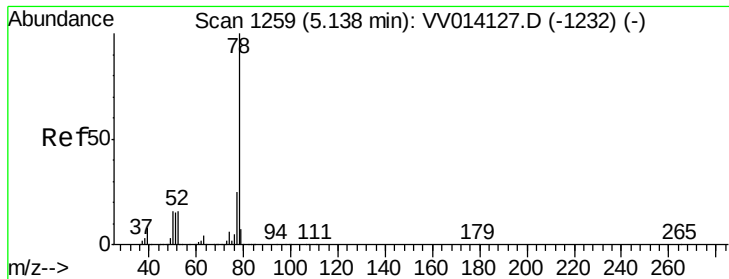


#27

1,2-Dichloroethane
 Concen: 0.071 ug/L
 RT: 5.10 min Scan# 1247
 Delta R.T. -0.07 min
 Lab File: VV014132.D
 Acq: 19 Dec 2019 16:12

Tgt Ion: 62 Resp: 2137
 Ion Ratio Lower Upper
 62 100
 98 12.1 8.2 12.2





#33

Benzene

Concen: 0.079 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

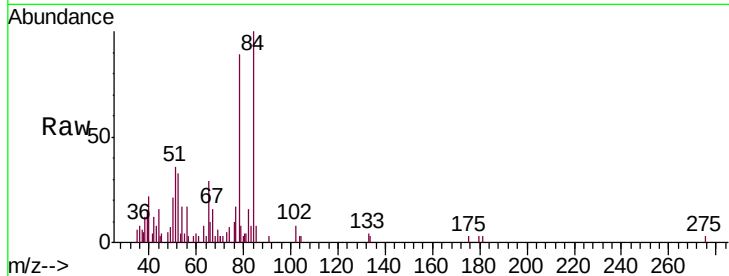
Instrument :

MSVOA_V

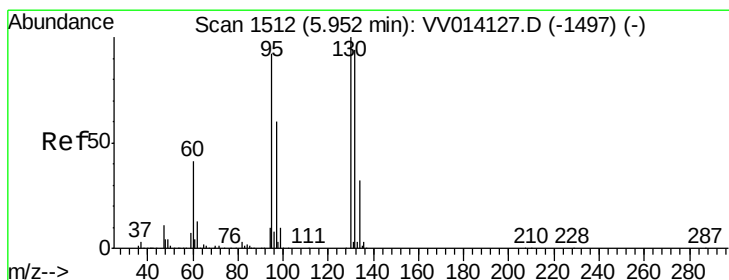
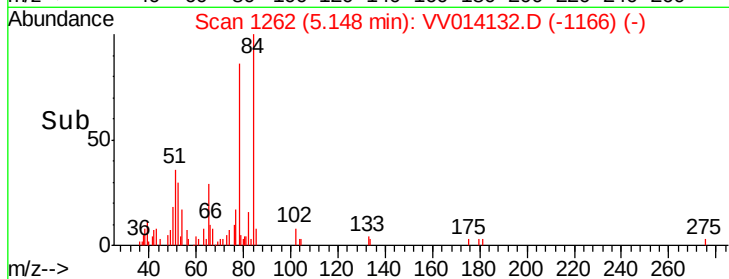
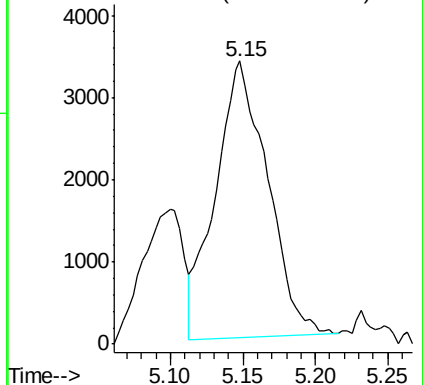
ClientSampleId :

BFDY0

Tgt Ion: 78 Resp: 8403



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 9.834 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

Tgt Ion: 95 Resp: 290076

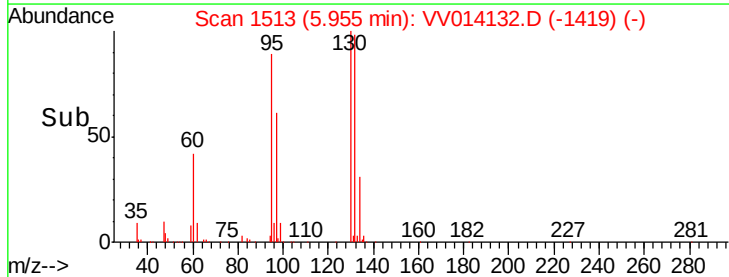
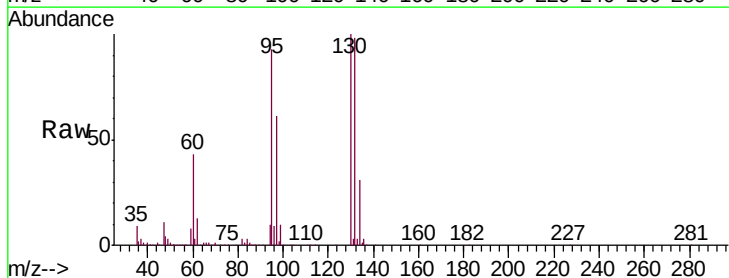
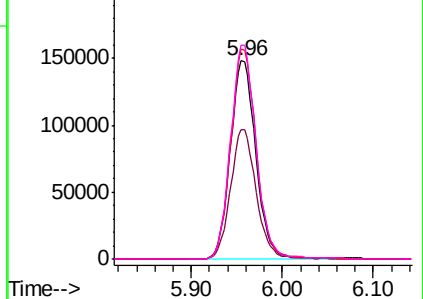
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.6	84.8
132	106.0	70.5	130.9
130	107.8	75.9	140.9

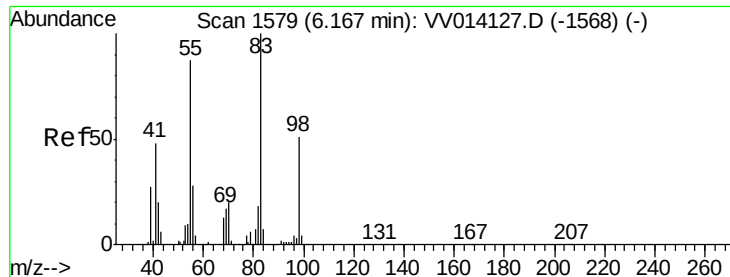
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

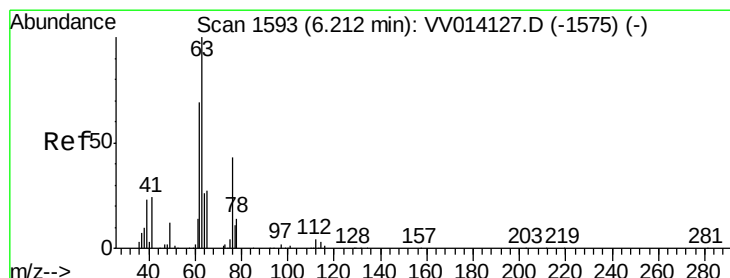
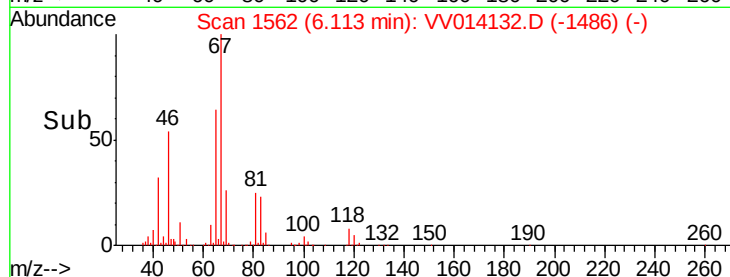
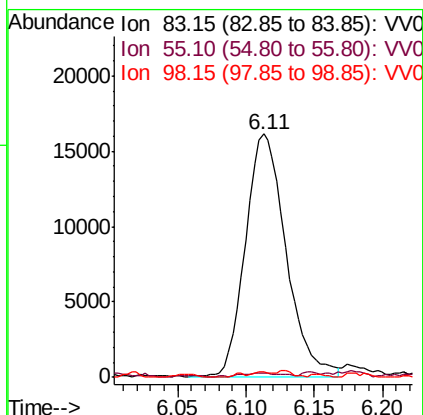
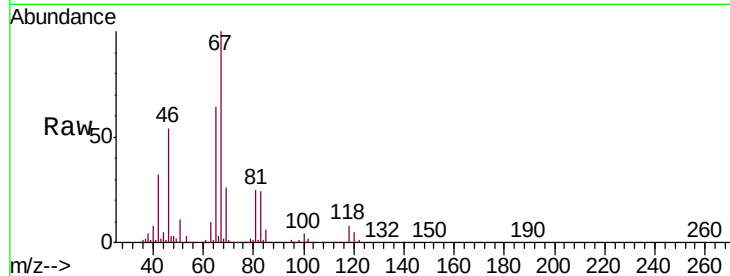




#35
Methylcyclohexane
Concen: 0.853 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.05 min
Lab File: VV014132.D
Acq: 19 Dec 2019 16:12

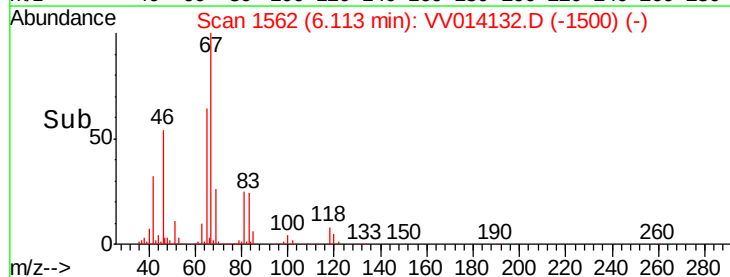
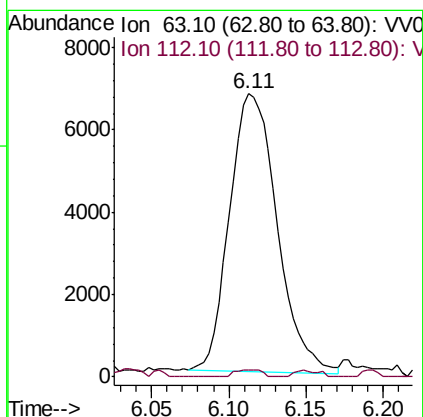
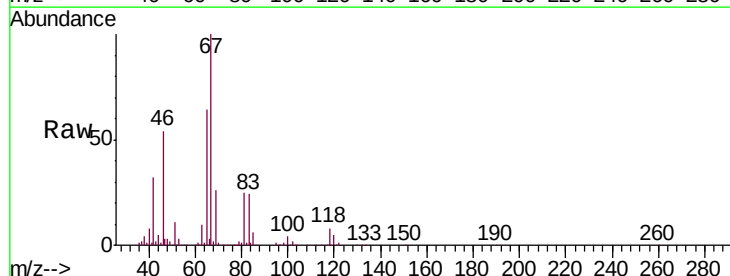
Instrument :
MSVOA_V
ClientSampleId :
BFDY0

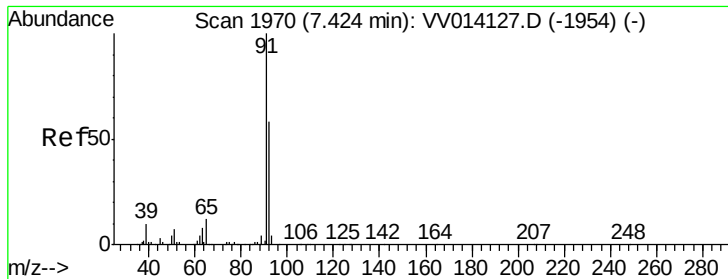
Tgt Ion: 83 Resp: 33572
Ion Ratio Lower Upper
83 100
55 1.9 60.3 90.5#
98 1.1 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.528 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV014132.D
Acq: 19 Dec 2019 16:12

Tgt Ion: 63 Resp: 14505
Ion Ratio Lower Upper
63 100
112 1.4 4.4 6.6#





#42

Toluene

Concen: 0.064 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

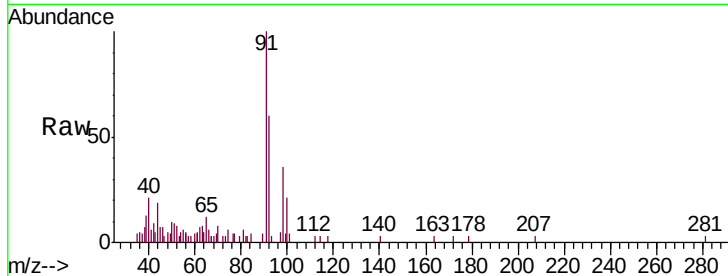
BFDY0

Tgt Ion: 91 Resp: 7340

Ion Ratio Lower Upper

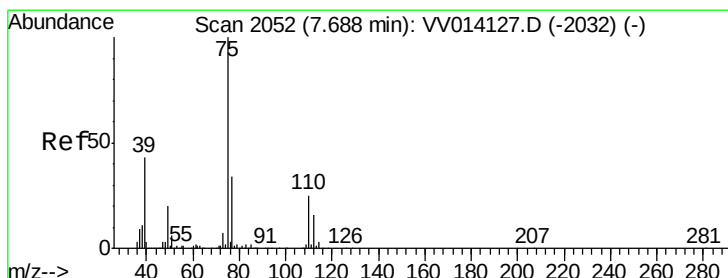
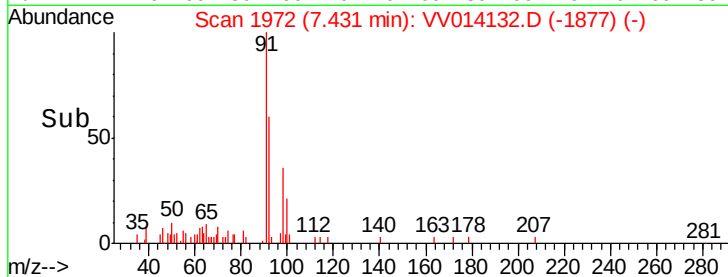
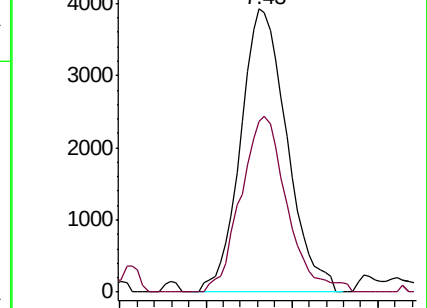
91 100

92 60.1 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.060 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.03 min

Lab File: VV014132.D

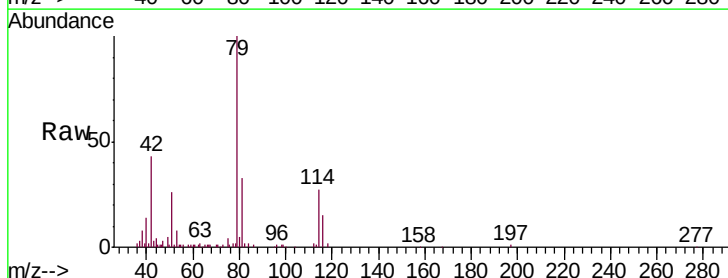
Acq: 19 Dec 2019 16:12

Tgt Ion: 75 Resp: 1845

Ion Ratio Lower Upper

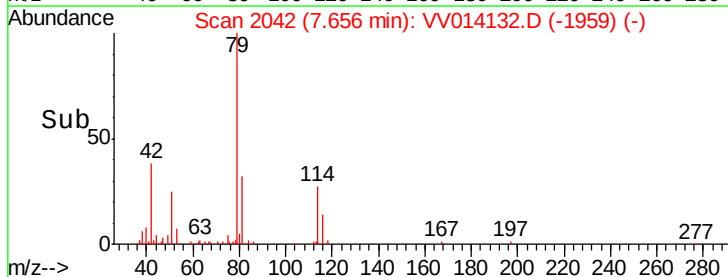
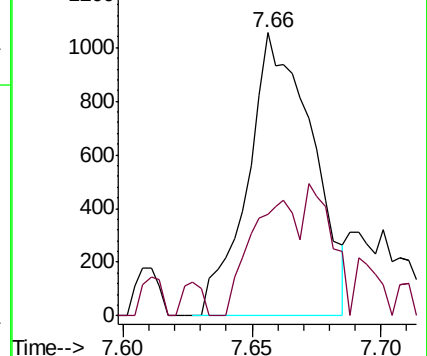
75 100

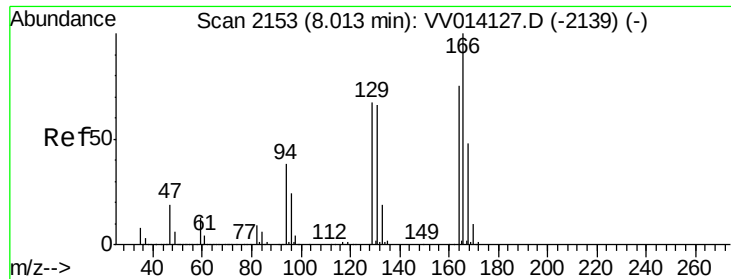
77 35.7 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

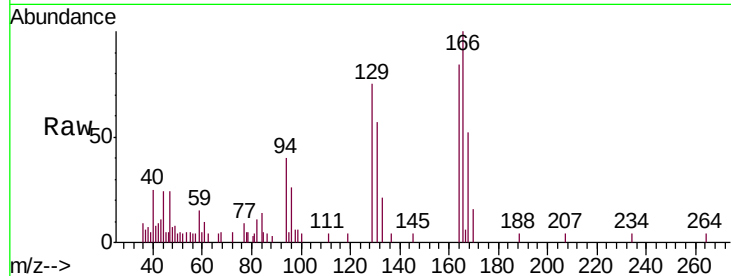




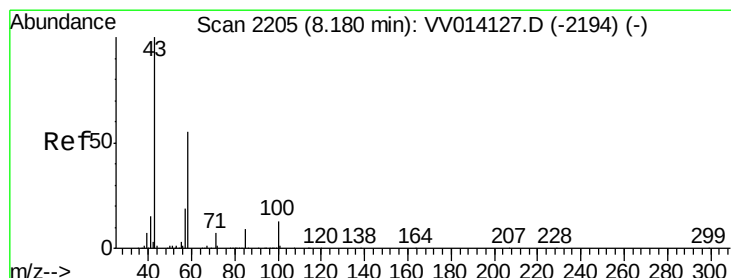
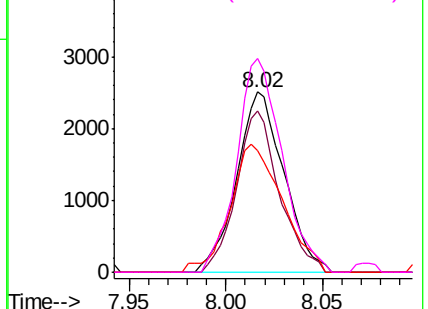
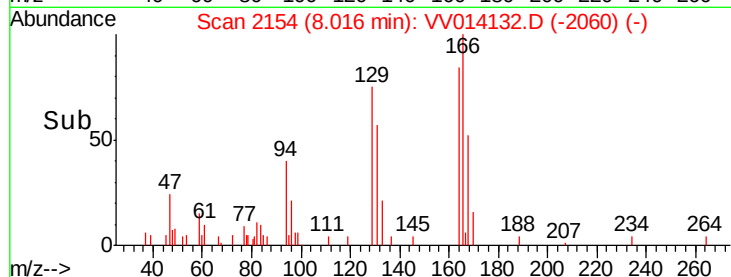
#47
Tetrachloroethene
Concen: 0.166 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014132.D
Acq: 19 Dec 2019 16:12

Instrument :
MSVOA_V
ClientSampleId :
BFDY0

Tgt Ion:	164	Resp:	4257
Ion	Ratio	Lower	Upper
164	100		
129	89.5	60.3	112.1
131	67.3	59.9	111.3
166	118.6	89.1	165.5

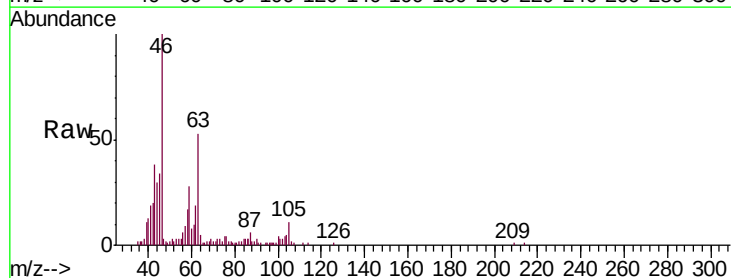


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

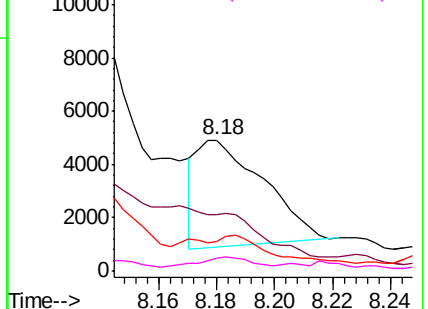
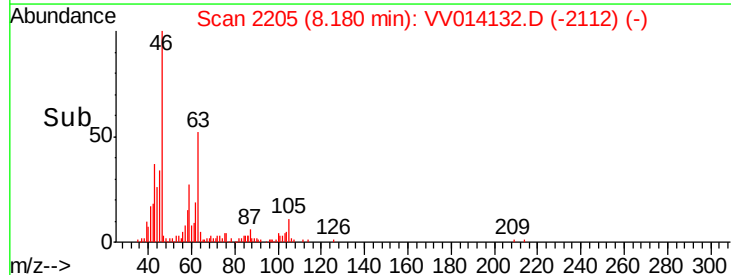


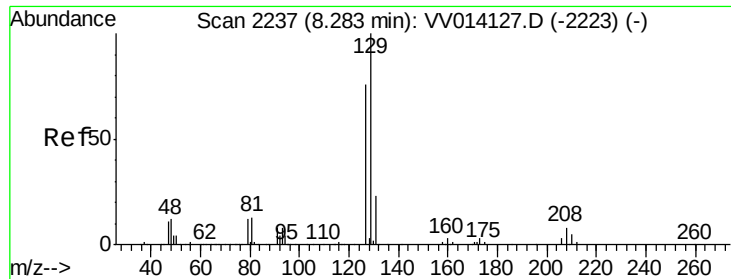
#48
2-Hexanone
Concen: 0.559 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014132.D
Acq: 19 Dec 2019 16:12

Tgt Ion:	43	Resp:	6398
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.2	64.8#
57	25.9	15.4	23.2#
100	12.3	10.4	15.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.137 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV014132.D

Acq: 19 Dec 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

BFDY0

Tgt Ion:129 Resp: 3440

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#

