

Data File : VV014073.D
Acq On : 16 Dec 2019 15:35
Operator : SY/MD
Sample : K6275-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDS2

Quant Time: Dec 17 05:47:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	374220	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	366463	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	161966	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102613	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.58	69	94967	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.13	63	126470	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	3.92	46	309013	64.18	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.36%
24) Chloroform-d	4.40	84	181817	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.80%
26) 1,2-Dichloroethane-d4	5.08	65	107153	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.10	84	372109	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
36) 1,2-Dichloropropane-d6	6.12	67	125390	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.36	98	271051	3.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.20%#
43) trans-1,3-Dichloropropene-	7.66	79	40482	3.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.80%
46) 2-Hexanone-d5	8.13	63	197066	48.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	97878	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	131462	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

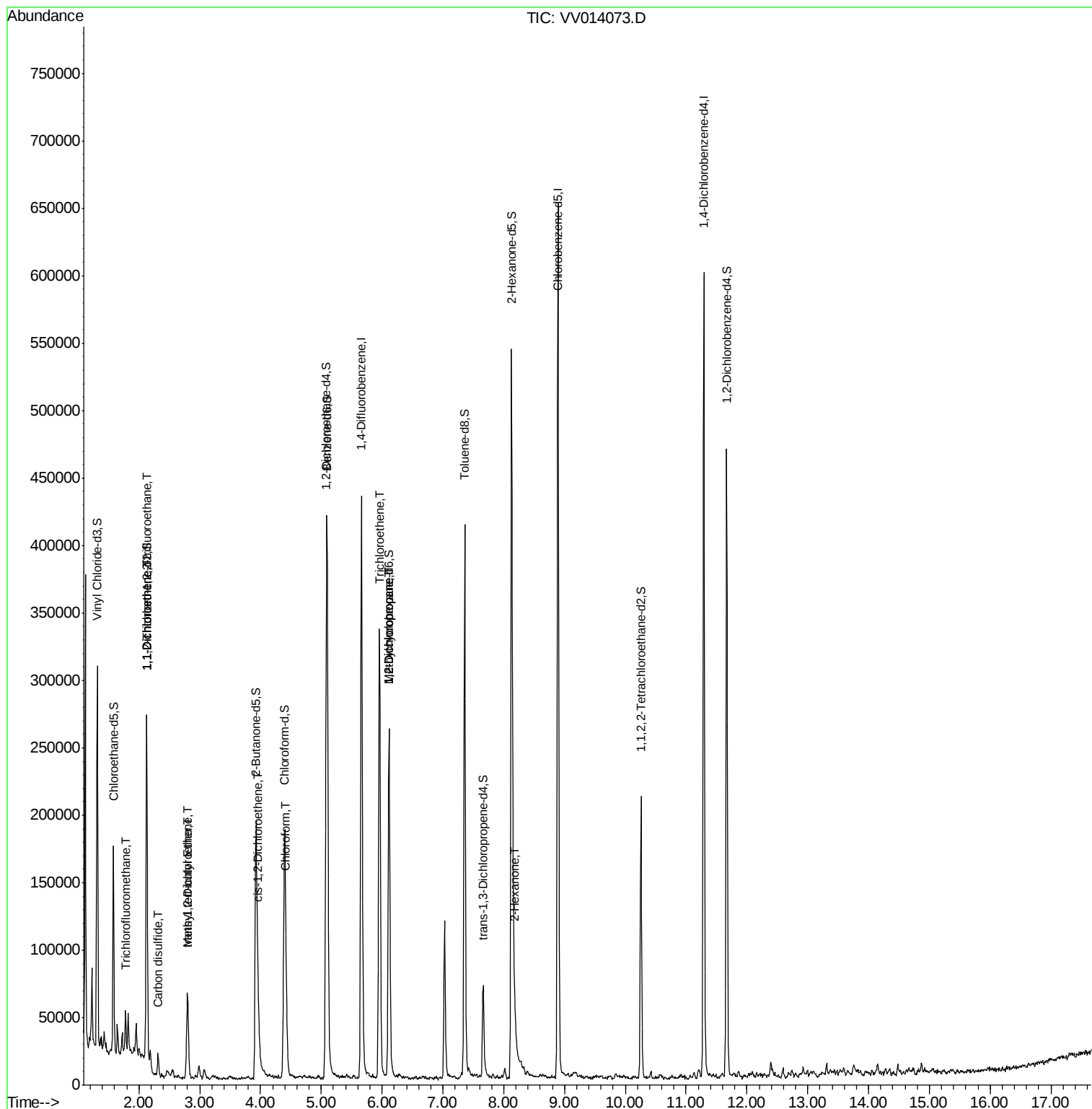
						Qvalue
9) Trichlorofluoromethane	1.77	101	5251	0.151	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1610	0.078	ug/L #	38
12) 1,1-Dichloroethene	2.14	96	3521	0.196	ug/L #	1
14) Carbon disulfide	2.32	76	19320	0.465	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	45714	0.928	ug/L #	89
18) trans-1,2-Dichloroethene	2.79	96	4812	0.237	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	18101	0.760	ug/L	94
25) Chloroform	4.42	83	32971	0.767	ug/L	99
34) Trichloroethene	5.95	95	110490	4.456	ug/L	96
35) Methylcyclohexane	6.11	83	29910	0.904	ug/L #	20
37) 1,2-Dichloropropane	6.11	63	12820	0.555	ug/L #	85
48) 2-Hexanone	8.18	43	17360	1.804	ug/L #	81

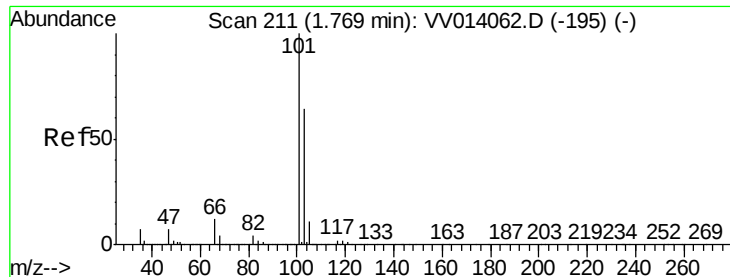
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 0.151 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014073.D

Acq: 16 Dec 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

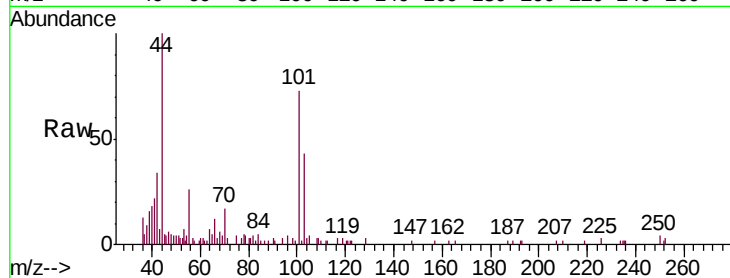
BFDS2

Tgt Ion:101 Resp: 5251

Ion Ratio Lower Upper

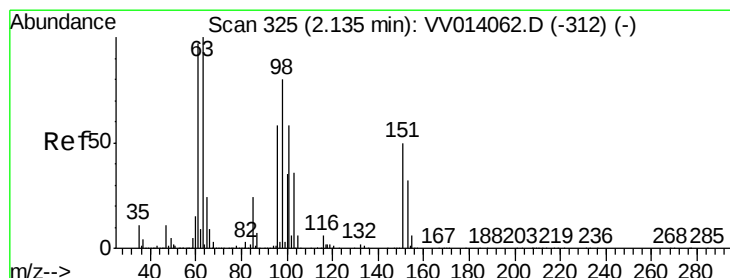
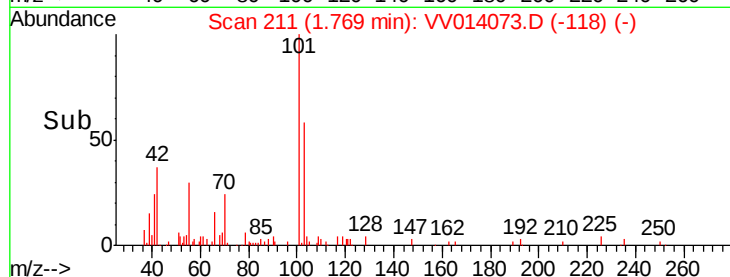
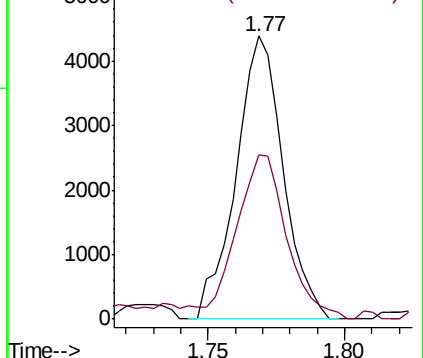
101 100

103 61.9 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.078 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014073.D

Acq: 16 Dec 2019 15:35

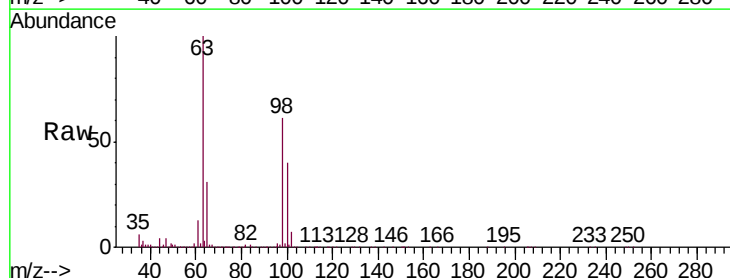
Tgt Ion:101 Resp: 1610

Ion Ratio Lower Upper

101 100

85 19.1 33.4 50.0#

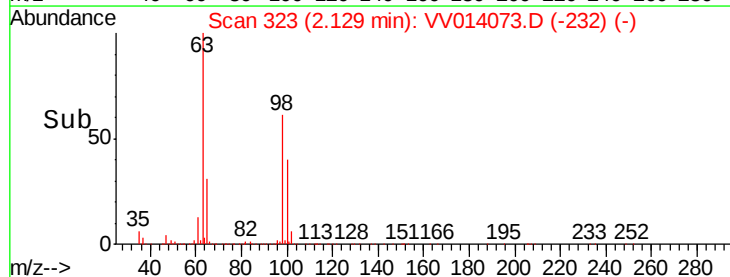
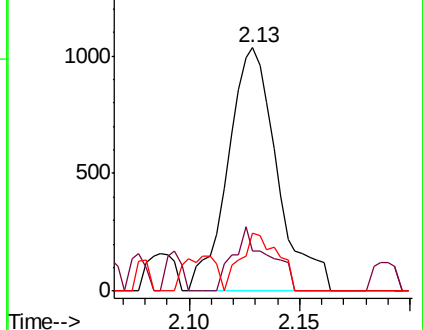
151 18.1 69.4 104.0#

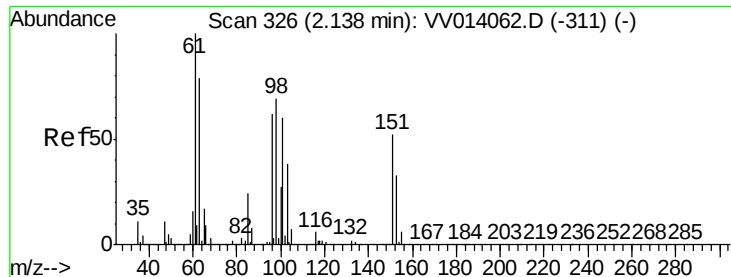


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.196 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014073.D

Acq: 16 Dec 2019 15:35

Instrument :
MSVOA_V
ClientSampleId :
BFDS2

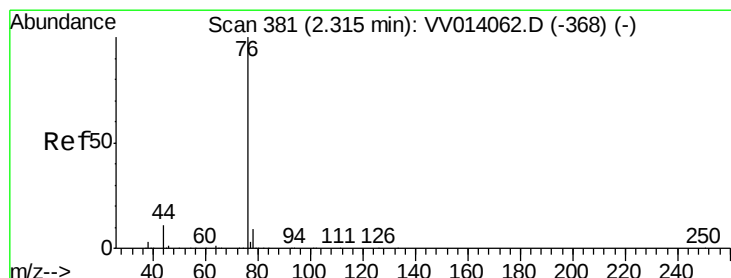
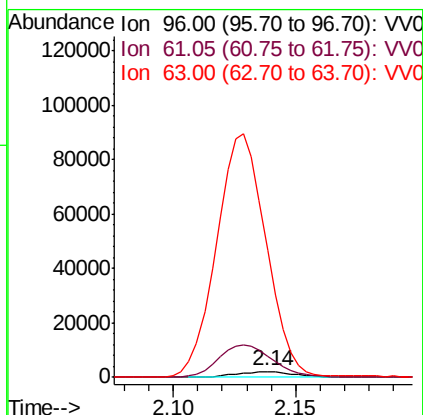
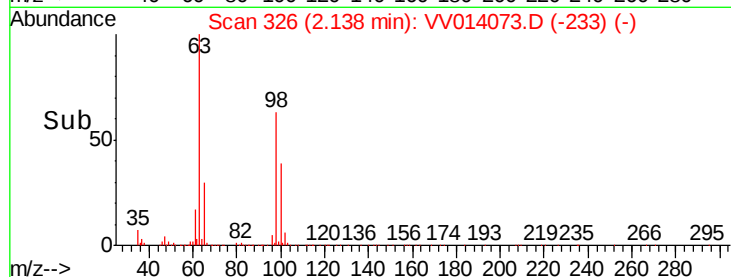
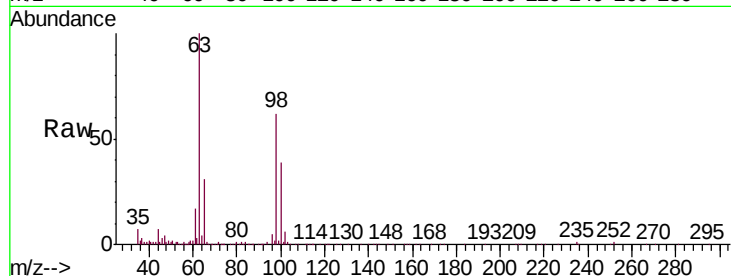
Tgt Ion: 96 Resp: 3521

Ion Ratio Lower Upper

96 100

61 354.7 116.3 215.9#

63 2100.4 96.7 179.7#



#14

Carbon disulfide

Concen: 0.465 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014073.D

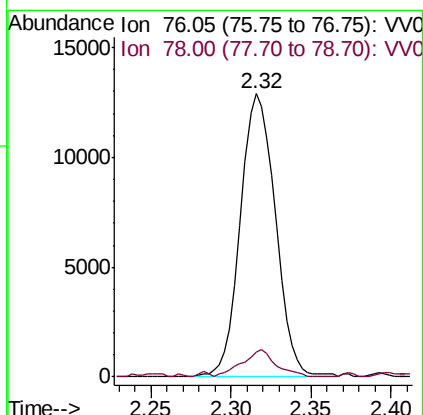
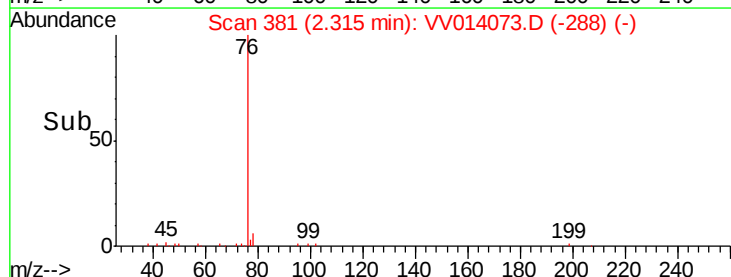
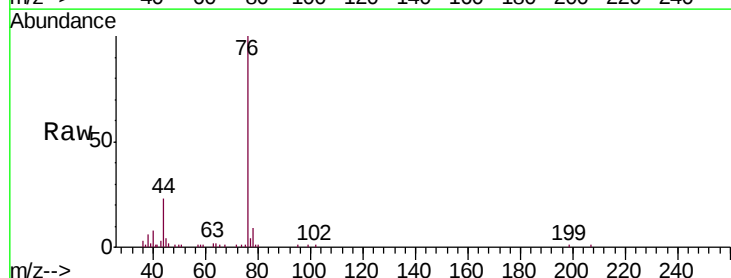
Acq: 16 Dec 2019 15:35

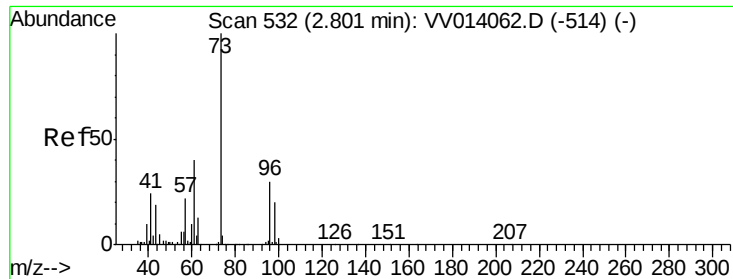
Tgt Ion: 76 Resp: 19320

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

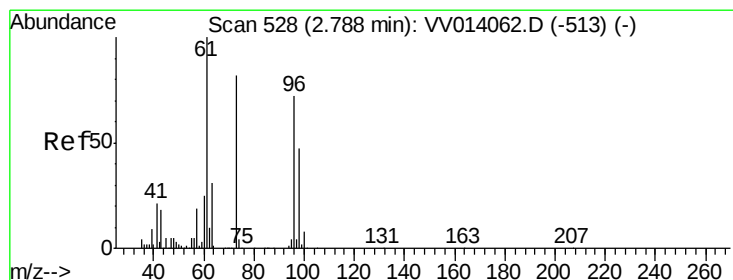
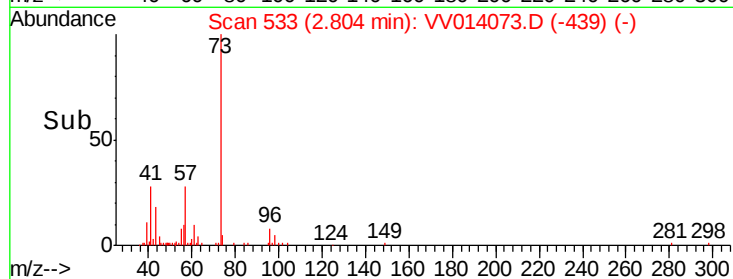
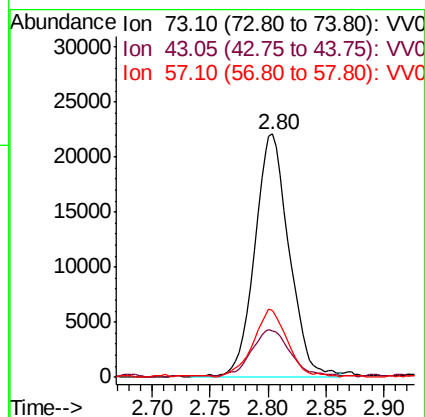
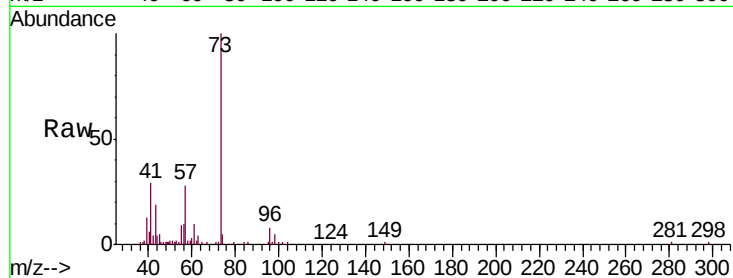




#17
Methyl tert-butyl Ether
Concen: 0.928 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014073.D
Acq: 16 Dec 2019 15:35

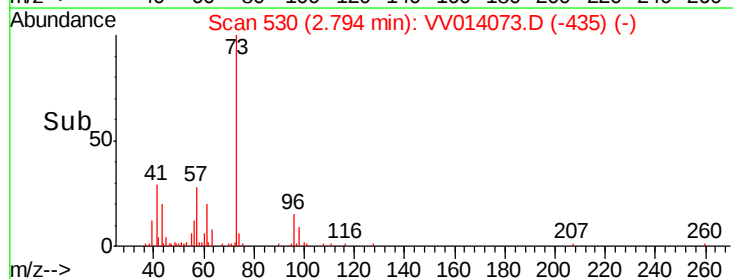
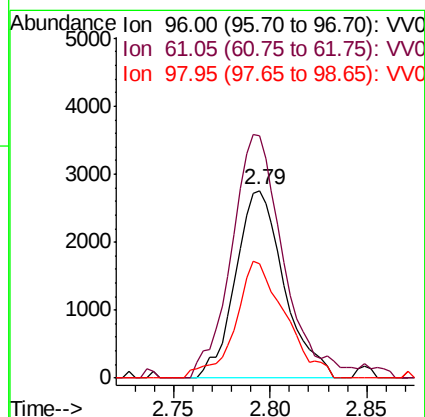
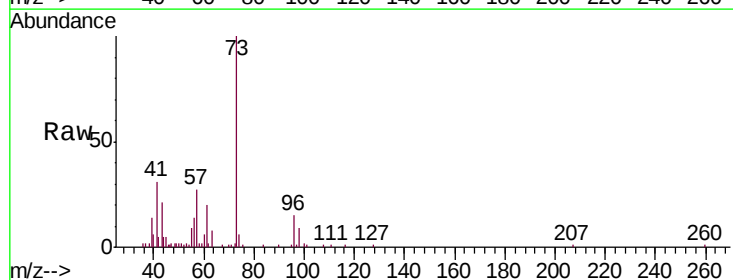
Instrument :
MSVOA_V
ClientSampleId :
BFDS2

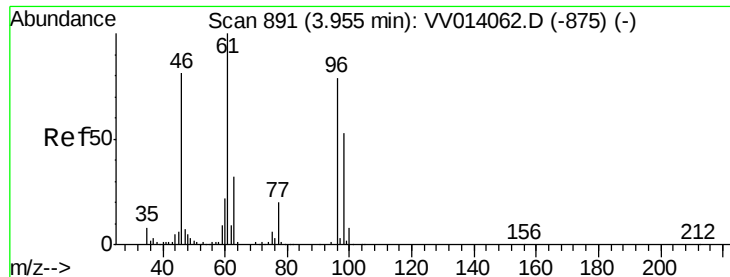
Tgt Ion: 73 Resp: 45714
Ion Ratio Lower Upper
73 100
43 23.1 15.5 23.3
57 27.9 17.5 26.3#



#18
trans-1,2-Dichloroethene
Concen: 0.237 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV014073.D
Acq: 16 Dec 2019 15:35

Tgt Ion: 96 Resp: 4812
Ion Ratio Lower Upper
96 100
61 128.9 95.1 176.7
98 60.6 46.5 86.3

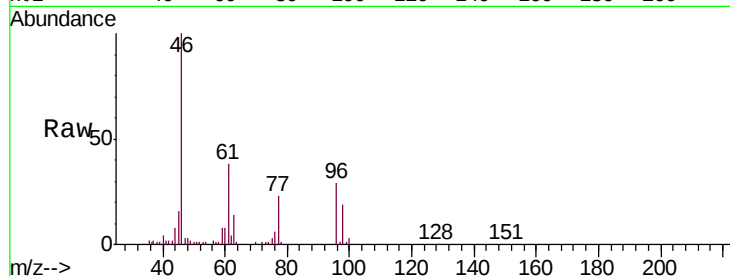




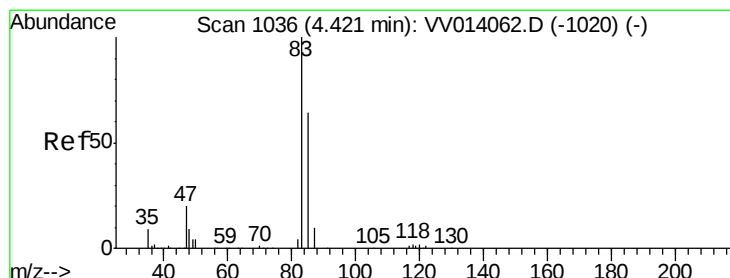
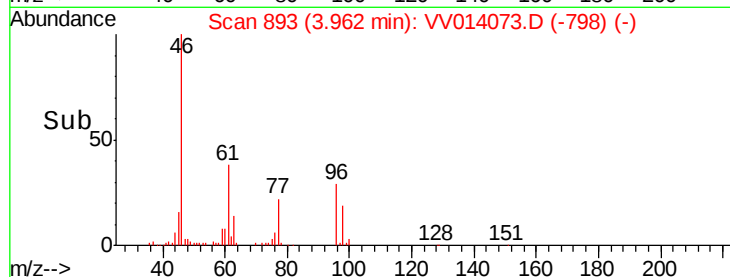
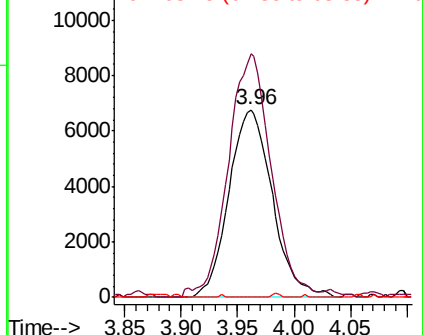
#22
 cis-1,2-Dichloroethene
 Concen: 0.760 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV014073.D
 Acq: 16 Dec 2019 15:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDS2

Tgt Ion: 96 Resp: 18101
 Ion Ratio Lower Upper
 96 100
 61 129.8 86.1 159.9
 68 0.0 0.0 0.0

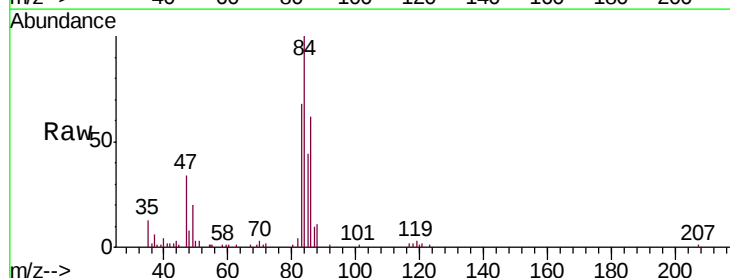


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

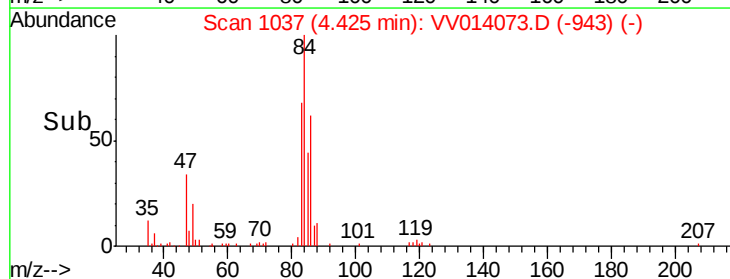
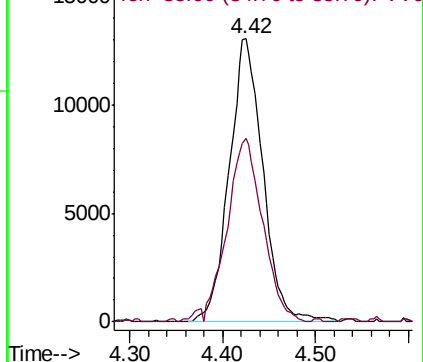


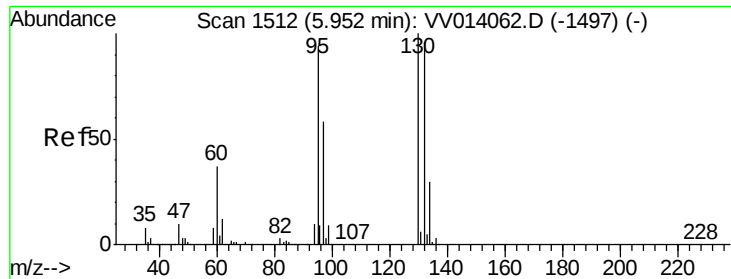
#25
 Chloroform
 Concen: 0.767 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV014073.D
 Acq: 16 Dec 2019 15:35

Tgt Ion: 83 Resp: 32971
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 4.456 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014073.D

Acq: 16 Dec 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

BFDS2

Tgt Ion: 95 Resp: 110490

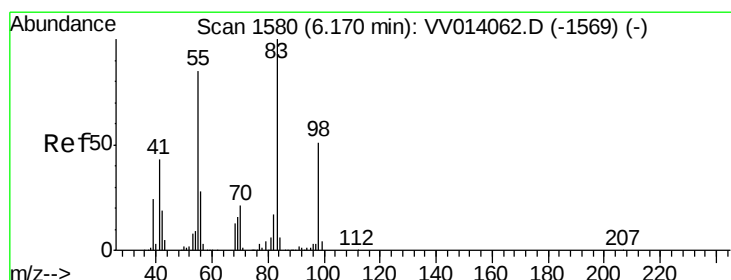
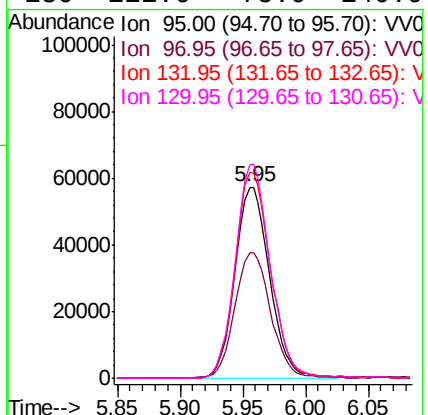
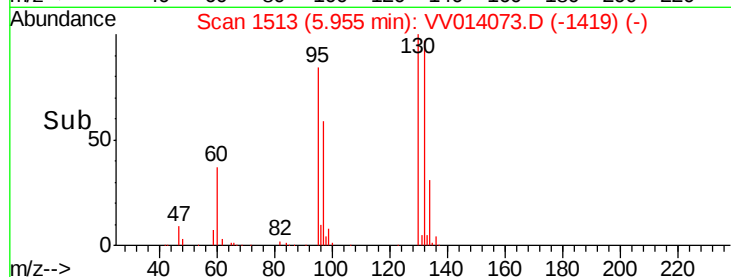
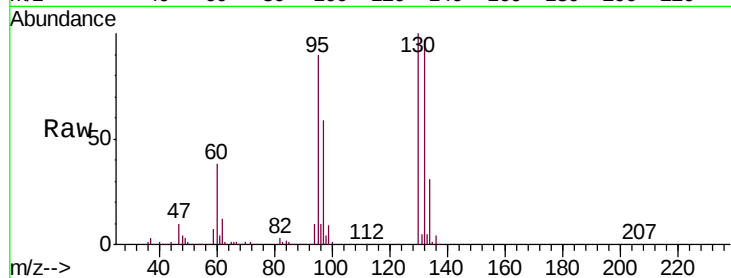
Ion Ratio Lower Upper

95 100

97 65.7 45.6 84.8

132 108.1 70.5 130.9

130 111.6 75.9 140.9



#35

Methylcyclohexane

Concen: 0.904 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV014073.D

Acq: 16 Dec 2019 15:35

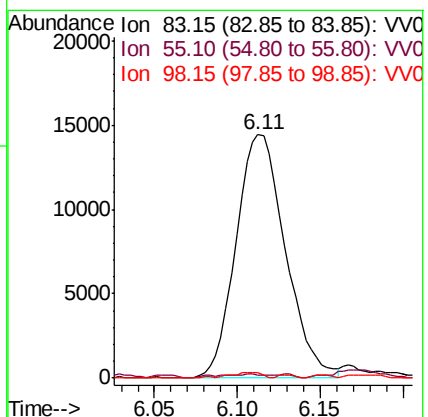
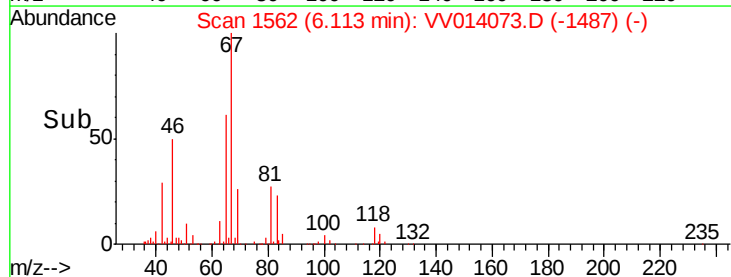
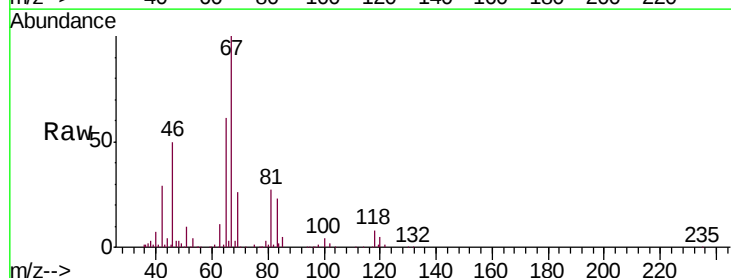
Tgt Ion: 83 Resp: 29910

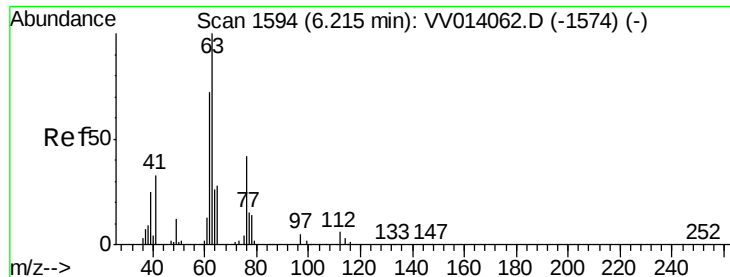
Ion Ratio Lower Upper

83 100

55 1.2 60.3 90.5#

98 1.4 38.1 57.1#

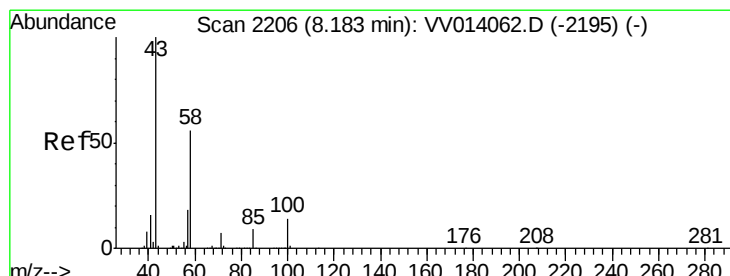
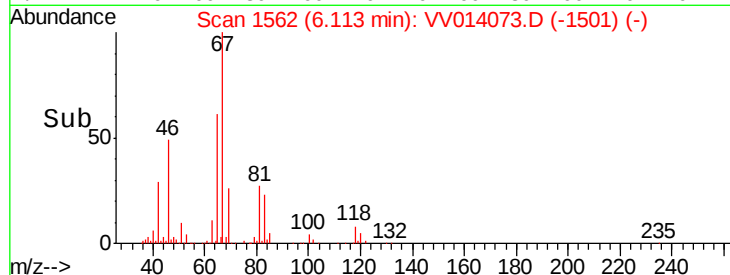
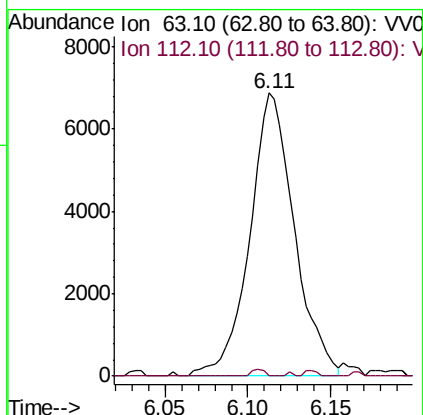
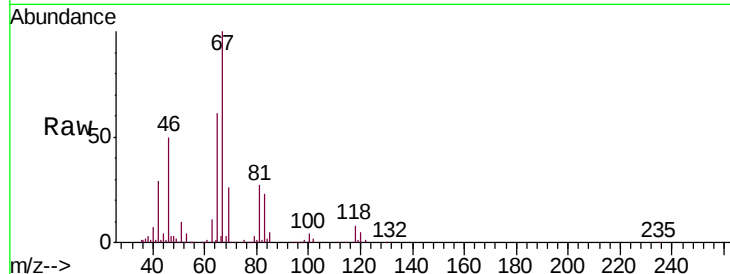




#37
 1,2-Dichloropropane
 Concen: 0.555 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV014073.D
 Acq: 16 Dec 2019 15:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDS2

Tgt Ion: 63 Resp: 12820
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.4 6.6#



#48
 2-Hexanone
 Concen: 1.804 ug/L
 RT: 8.18 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VV014073.D
 Acq: 16 Dec 2019 15:35

Tgt Ion: 43 Resp: 17360
 Ion Ratio Lower Upper
 43 100
 58 39.7 43.2 64.8#
 57 13.2 15.4 23.2#
 100 3.9 10.4 15.6#

