

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110520\
 Data File : VV019239.D
 Acq On : 04 Nov 2020 09:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 02:19:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 09:34:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	257366	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	251053	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	140481	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105893	51.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.54%
7) Chloroethane-d5	1.58	69	84135	52.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.90%
11) 1,1-Dichloroethene-d2	2.12	63	204231	52.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.98%
21) 2-Butanone-d5	3.90	46	116611	93.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.09%
24) Chloroform-d	4.37	84	192136	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.05	65	131665	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
32) Benzene-d6	5.07	84	360692	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.30%
36) 1,2-Dichloropropane-d6	6.09	67	108141	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.86%
41) Toluene-d8	7.33	98	344433	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%
43) trans-1,3-Dichloropropene-	7.64	79	61567	50.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.22%
47) 2-Hexanone-d5	8.10	63	84126	91.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.48%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	138936	48.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	143353	48.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.14%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	108795	48.143	ug/L 99
3) Chloromethane	1.25	50	96837	47.187	ug/L 99
5) Vinyl chloride	1.32	62	103335	49.184	ug/L 99
6) Bromomethane	1.53	94	69099	49.098	ug/L 98
8) Chloroethane	1.59	64	67616	51.758	ug/L 99
9) Trichlorofluoromethane	1.77	101	175514	50.121	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88449	52.485	ug/L 98
12) 1,1-Dichloroethene	2.13	96	81928	49.640	ug/L 95
13) Acetone	2.19	43	133979	115.124	ug/L 100
14) Carbon disulfide	2.31	76	250973	47.841	ug/L 99
15) Methyl Acetate	2.44	43	82478	43.977	ug/L 100
16) Methylene chloride	2.52	84	88800	47.383	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	86339	48.706	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	278328	46.890	ug/L 99
19) 1,1-Dichloroethane	3.21	63	159644	48.339	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	92857	47.730	ug/L 96
22) 2-Butanone	3.98	43	129274	101.982	ug/L 95

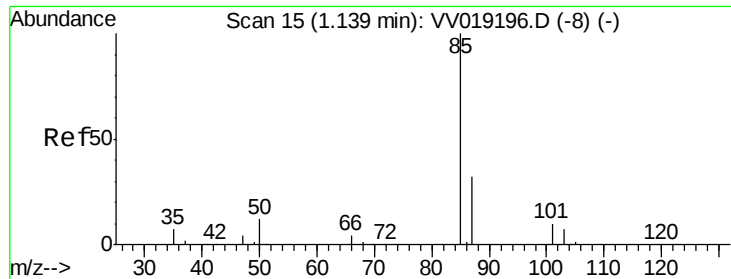
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110520\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	48653	46.604	ug/L	98
25) Chloroform	4.40	83	170863	47.876	ug/L	99
27) 1,2-Dichloroethane	5.15	62	145064	47.745	ug/L	99
29) Cyclohexane	4.70	56	140506	50.132	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	160818	47.271	ug/L	99
31) Carbon tetrachloride	4.85	117	143183	47.462	ug/L	99
33) Benzene	5.12	78	351571	48.570	ug/L	100
34) Trichloroethene	5.93	95	95565	48.193	ug/L	98
35) Methylcyclohexane	6.15	83	135054	50.450	ug/L	99
37) 1,2-Dichloropropane	6.19	63	87178	48.497	ug/L	99
38) Bromodichloromethane	6.53	83	128510	48.057	ug/L	98
39) cis-1,3-Dichloropropene	7.04	75	143887	48.460	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	227195	91.618	ug/L	100
42) Toluene	7.41	91	388177	48.918	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	150181	48.622	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	83766	46.463	ug/L	97
46) Tetrachloroethene	7.99	164	81500	48.132	ug/L	98
48) 2-Hexanone	8.15	43	190108	96.450	ug/L	99
49) Dibromochloromethane	8.26	129	102888	47.134	ug/L	99
50) 1,2-Dibromoethane	8.37	107	88631	46.078	ug/L	96
51) Chlorobenzene	8.90	112	245194	47.130	ug/L	99
52) Ethylbenzene	9.03	91	428381	48.993	ug/L	99
53) m,p-Xylene	9.16	106	163857	49.615	ug/L	99
54) o-xylene	9.56	106	156284	49.289	ug/L	100
55) Styrene	9.58	104	277206	49.326	ug/L	100
56) Isopropylbenzene	9.95	105	424215	49.783	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	126258	45.992	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	106838	45.464	ug/L	99
61) Bromoform	9.75	173	78903	45.532	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	213825	48.255	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	217275	47.182	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	208736	47.552	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	30703	40.878	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	153603	47.090	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	141841	46.412	ug/L	98
69) Naphthalene	13.52	128	381324	44.547	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	139778	46.737	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.143 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019239.D

Acq: 04 Nov 2020 09:18

Instrument :

MSVOA_V

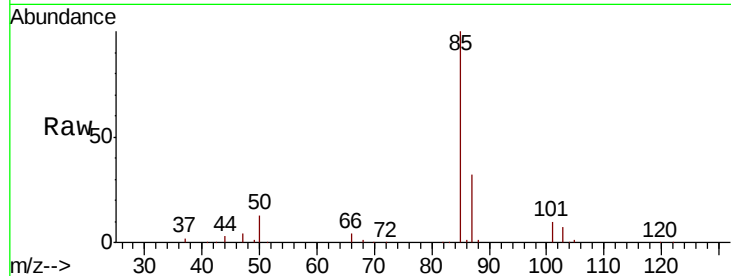
ClientSampleId :

Tot Ion: 85 Resp: 108795

Ion Ratio Lower Upper

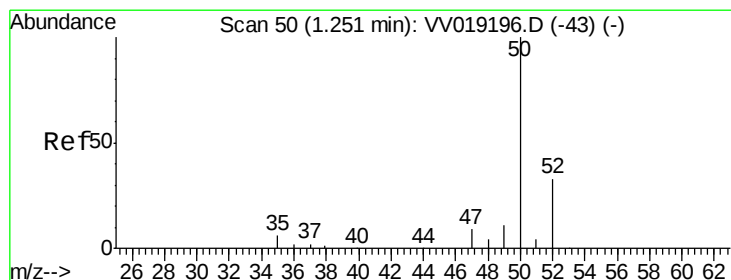
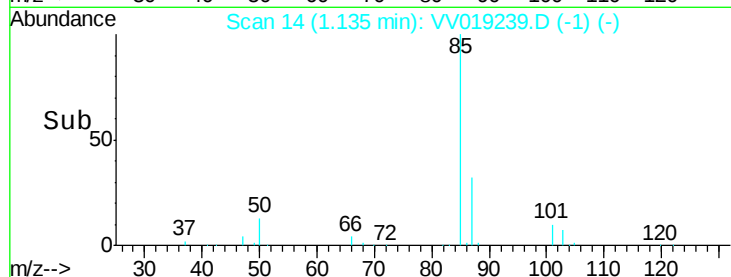
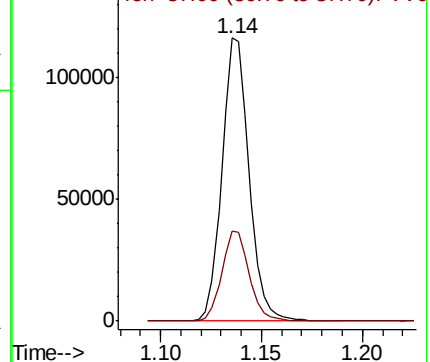
85 100

87 32.1 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 47.187 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019239.D

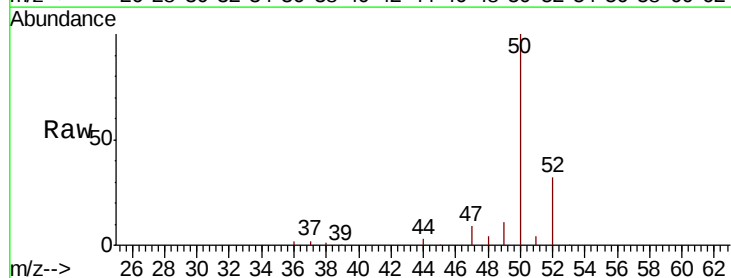
Acq: 04 Nov 2020 09:18

Tgt Ion: 50 Resp: 96837

Ion Ratio Lower Upper

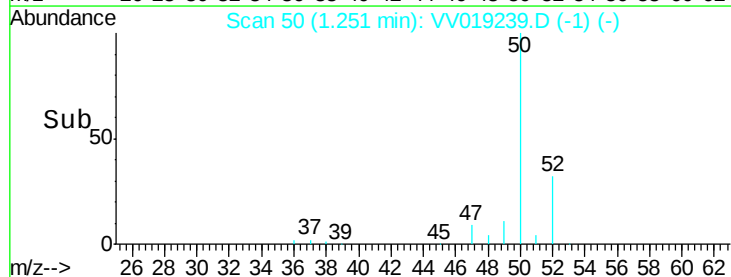
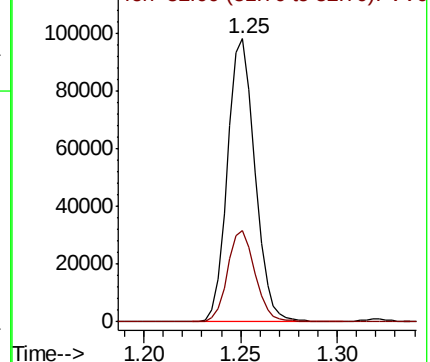
50 100

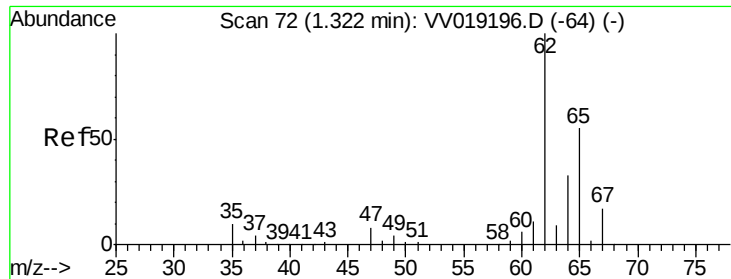
52 32.1 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.184 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV019239.D

Acq: 04 Nov 2020 09:18

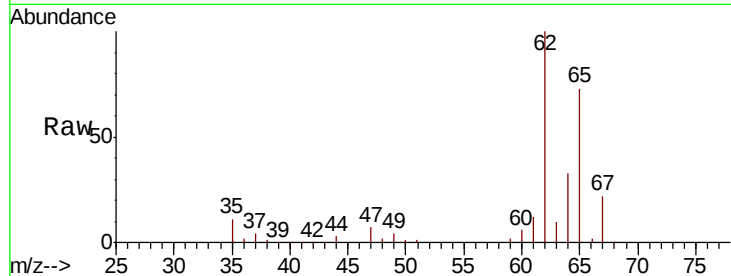
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 103335

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

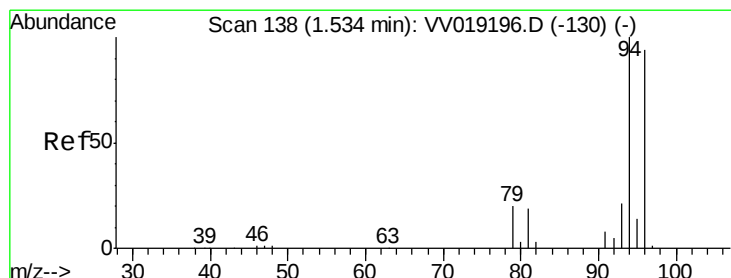
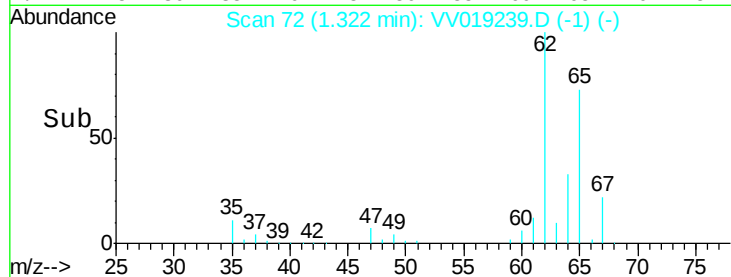
20000

0

1.32

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 49.098 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019239.D

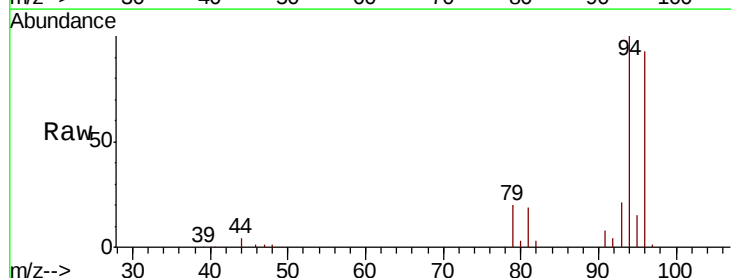
Acq: 04 Nov 2020 09:18

Tgt Ion: 94 Resp: 69099

Ion Ratio Lower Upper

94 100

96 93.4 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

40000

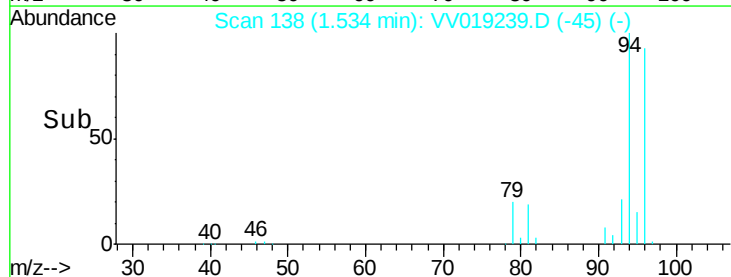
20000

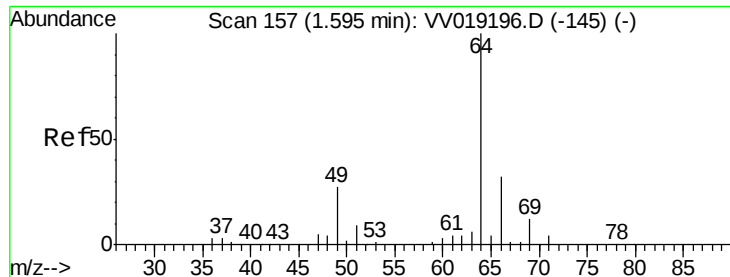
0

1.53

1.50 1.55 1.60

Time-->

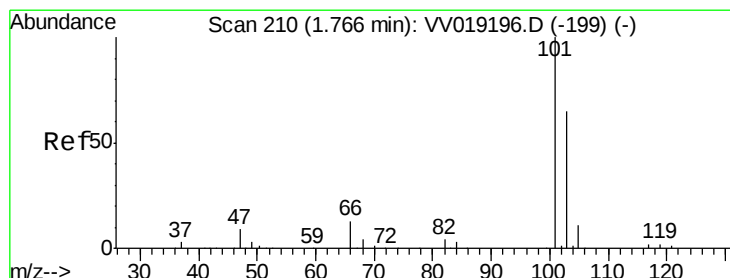
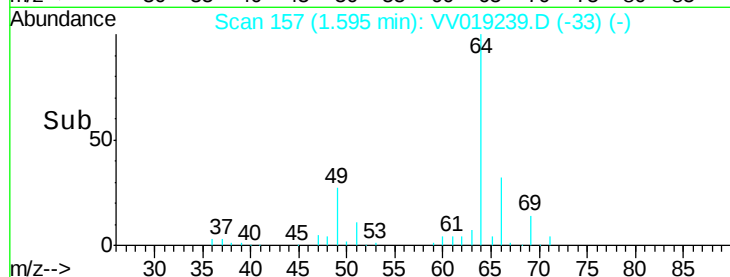
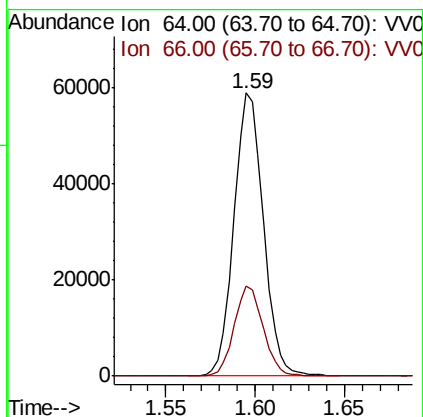
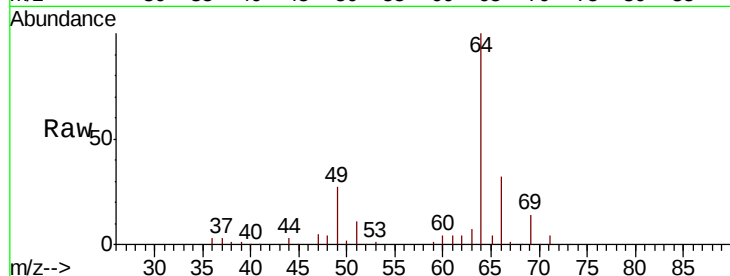




#8
Chloroethane
Concen: 51.758 ug/L
RT: 1.59 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV019239.D
Acq: 04 Nov 2020 09:18

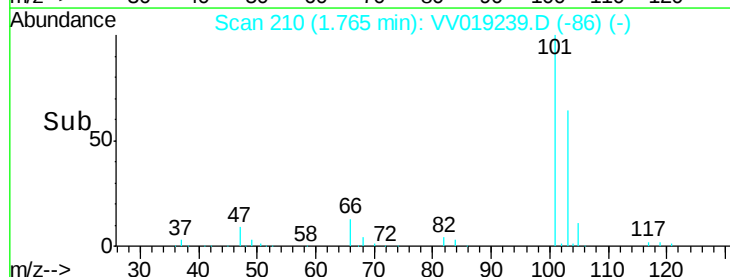
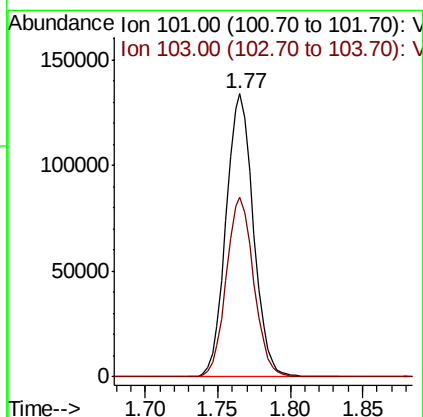
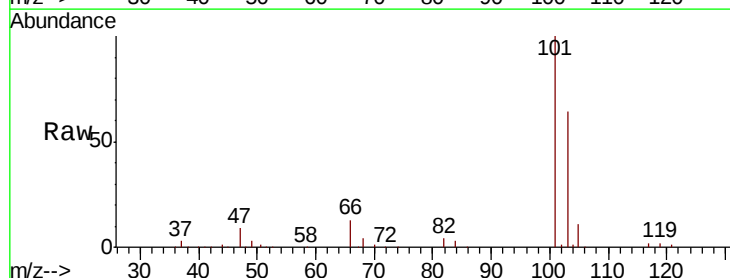
Instrument :
MSVOA_V
ClientSampleId :

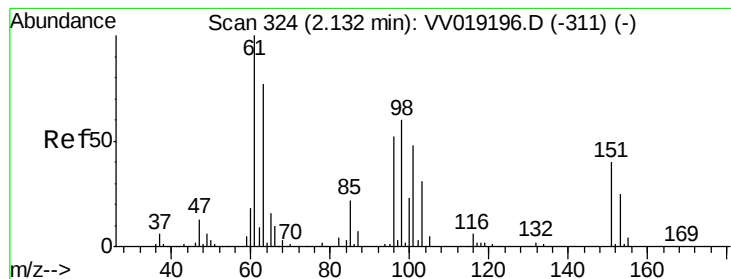
Tot Ion: 64 Resp: 67616
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 50.121 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV019239.D
Acq: 04 Nov 2020 09:18

Tgt Ion:101 Resp: 175514
Ion Ratio Lower Upper
101 100
103 63.7 51.9 77.9





#10

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

Concen: 52.485 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019239.D

Acq: 04 Nov 2020 09:18

Instrument :

MSVOA_V

ClientSampled :

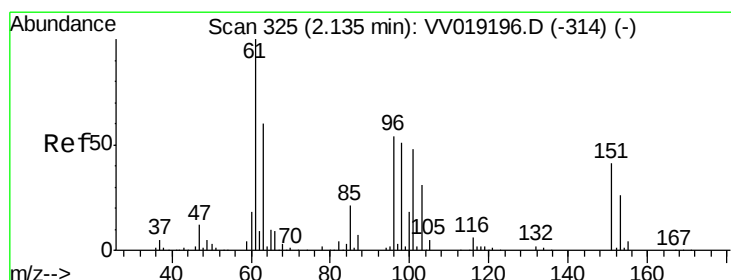
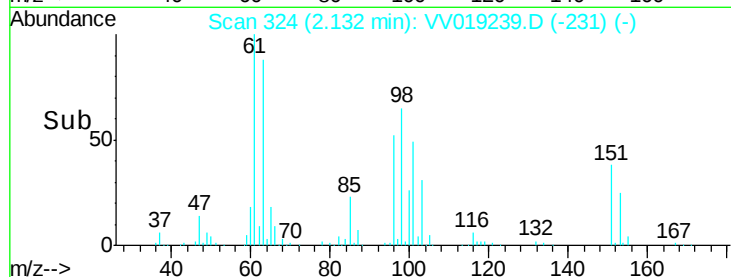
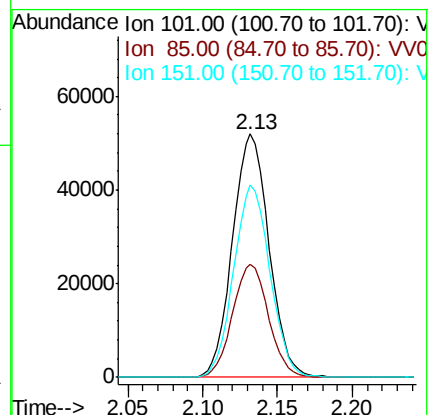
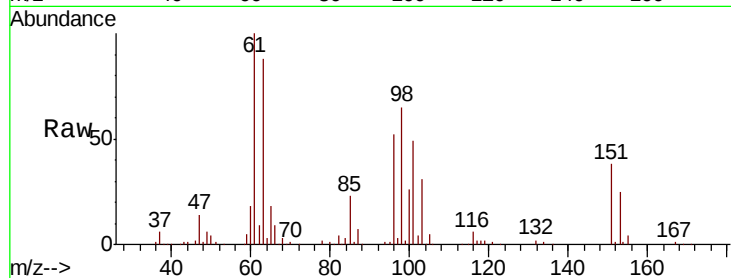
Tot Ion:101 Resp: 88449

Ion Ratio Lower Upper

101 100

85 45.8 36.1 54.1

151 78.7 65.0 97.4



#12

1,1-Dichloroethene

Concen: 49.640 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019239.D

Acq: 04 Nov 2020 09:18

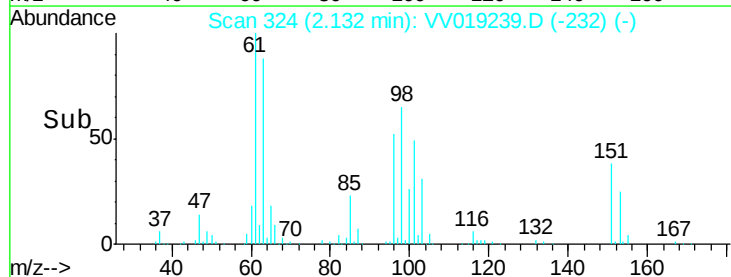
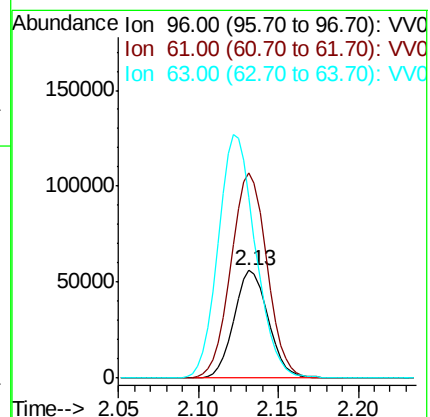
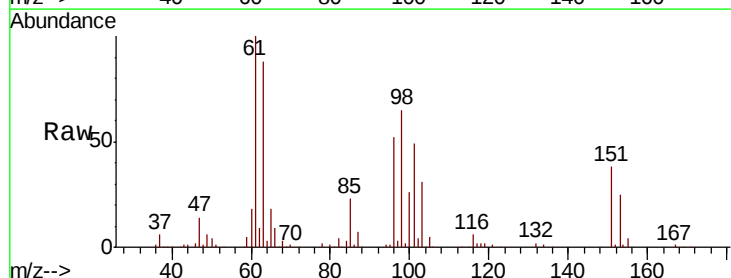
Tgt Ion: 96 Resp: 81928

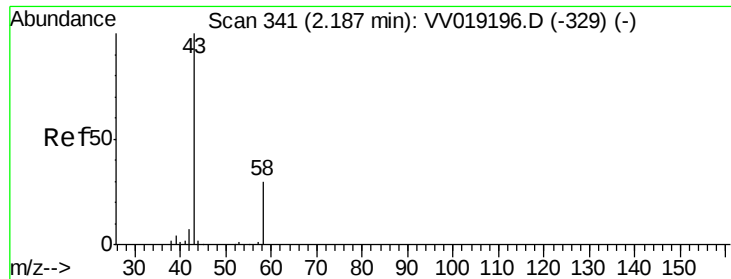
Ion Ratio Lower Upper

96 100

61 190.7 132.6 246.2

63 168.0 108.4 201.4





#13

Acetone

Concen: 115.124 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019239.D

Acq: 04 Nov 2020 09:18

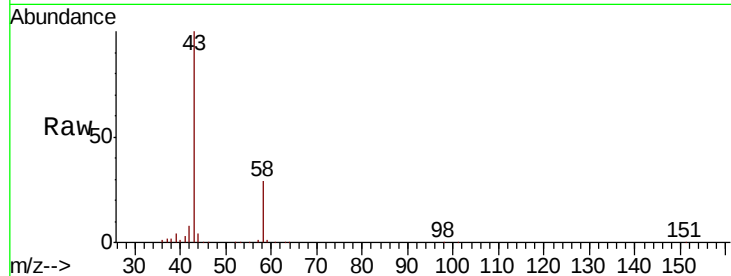
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 133979

Ion Ratio Lower Upper

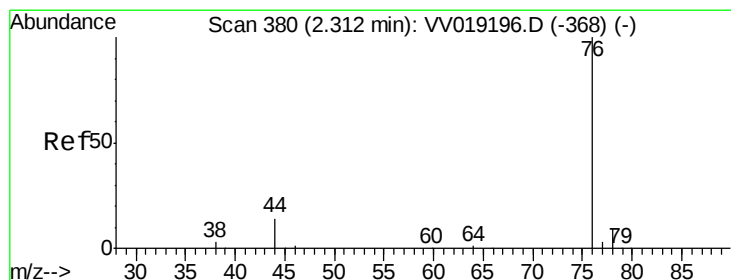
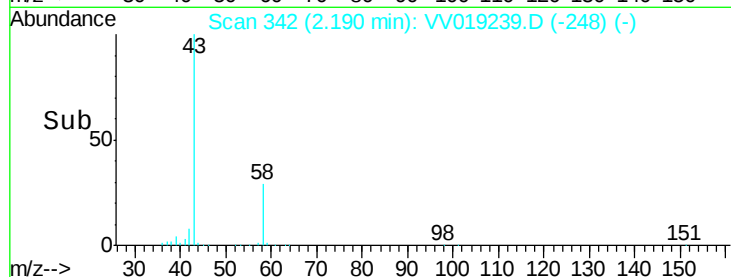
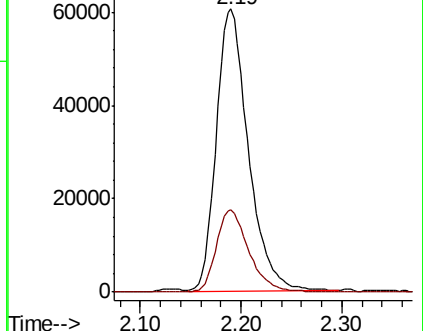
43 100

58 29.6 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019196.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019196.D (-329) (-)



#14

Carbon disulfide

Concen: 47.841 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019239.D

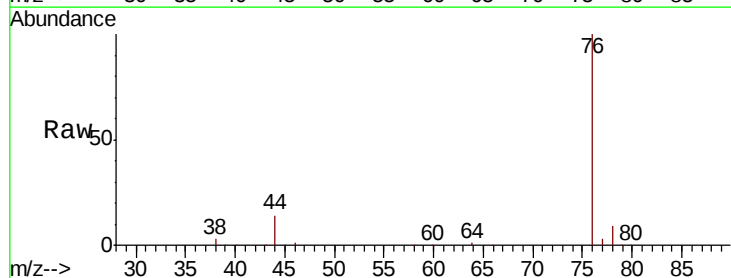
Acq: 04 Nov 2020 09:18

Tgt Ion: 76 Resp: 250973

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019196.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019196.D (-368) (-)

