

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015219.D
 Acq On : 28 Mar 2020 02:19
 Operator : SY/MD
 Sample : VV0326WBL01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 05:27:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 05:21:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	598595	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	565436	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	247583	50.00	ug/L	0.00

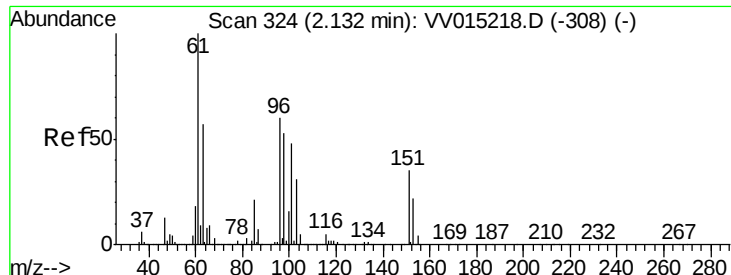
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	120867	49.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.52%
7) Chloroethane-d5	1.58	69	137482	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.62%
11) 1,1-Dichloroethene-d2	2.12	63	186245	30.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.32%
21) 2-Butanone-d5	3.94	46	309639	107.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.62%
24) Chloroform-d	4.38	84	318970	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.70%
26) 1,2-Dichloroethane-d4	5.06	65	225118	54.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.06%
32) Benzene-d6	5.07	84	536387	53.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.76%
36) 1,2-Dichloropropane-d6	6.09	67	203608	54.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.20%
41) Toluene-d8	7.34	98	461208	52.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.14%
43) trans-1,3-Dichloropropene-	7.64	79	102249	51.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.62%
47) 2-Hexanone-d5	8.12	63	244118	113.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	352333	53.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	221746	52.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3514	0.781	ug/L #	54
14) Carbon disulfide	2.31	76	8733	0.786	ug/L #	90
25) Chloroform	4.41	83	10704	1.393	ug/L	96
34) Trichloroethene	5.95	95	3318	0.781	ug/L	88
48) 2-Hexanone	8.12	43	30775	6.885	ug/L #	82
59) 1,2,3-Trichloropropane	11.27	75	36422	6.766	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	5374	0.694	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.67	180	3762	0.769	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	5475	1.203	ug/L #	88
69) Naphthalene	13.53	128	27625	1.506	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	4643	0.995	ug/L	89

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



#10

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

Concen: 0.781 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015219.D

Acq: 28 Mar 2020 02:19

Instrument :

MSVOA_V

ClientSampled :

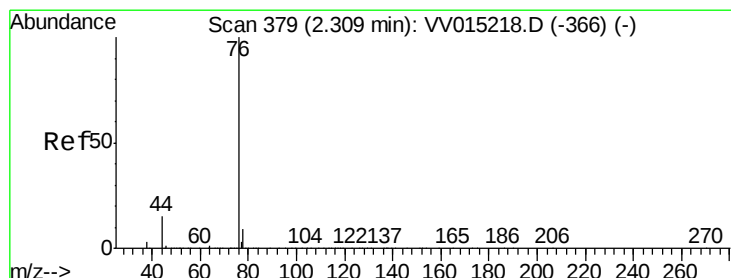
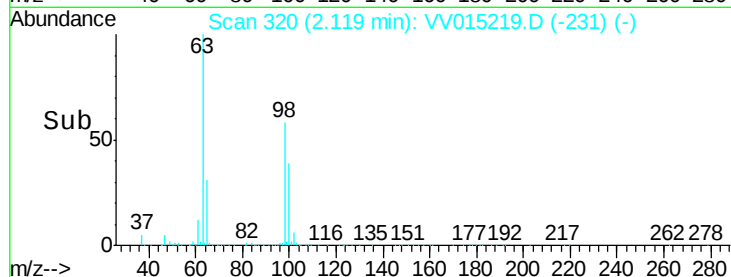
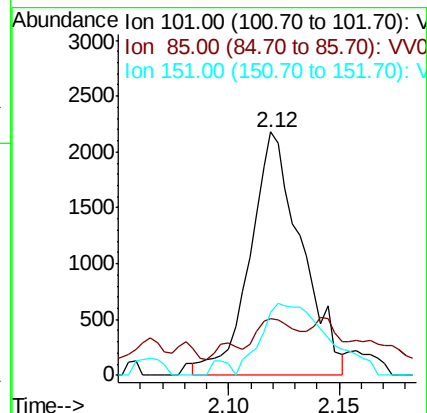
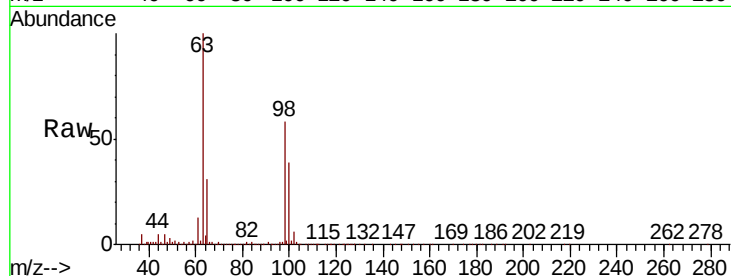
Tot Ion:101 Resp: 3514

Ion Ratio Lower Upper

101 100

85 9.3 36.3 54.5#

151 38.7 57.8 86.6#



#14

Carbon disulfide

Concen: 0.786 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015219.D

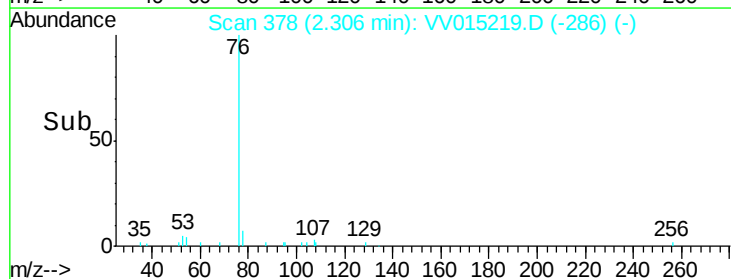
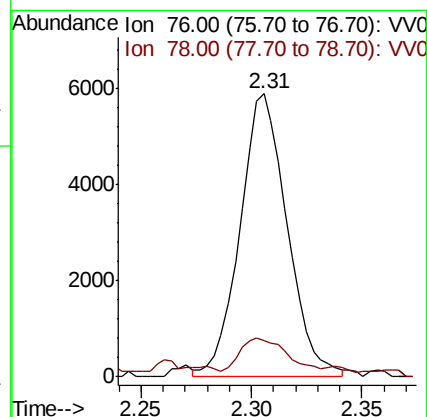
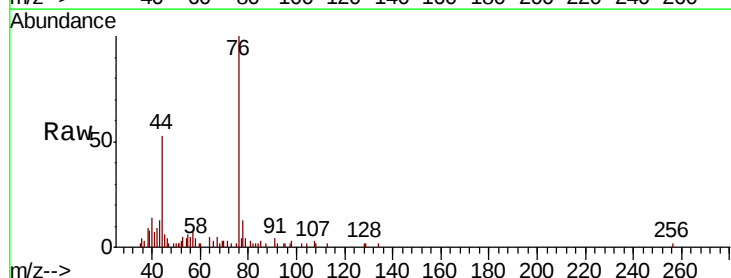
Acq: 28 Mar 2020 02:19

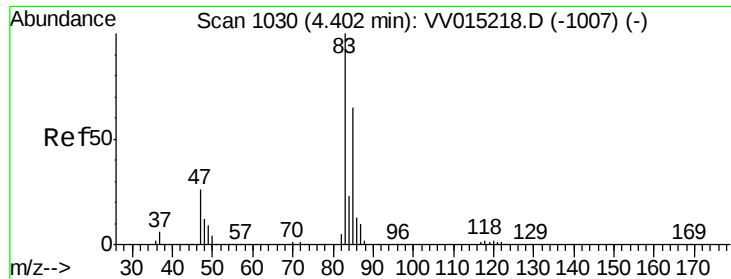
Tgt Ion: 76 Resp: 8733

Ion Ratio Lower Upper

76 100

78 12.6 7.3 10.9#

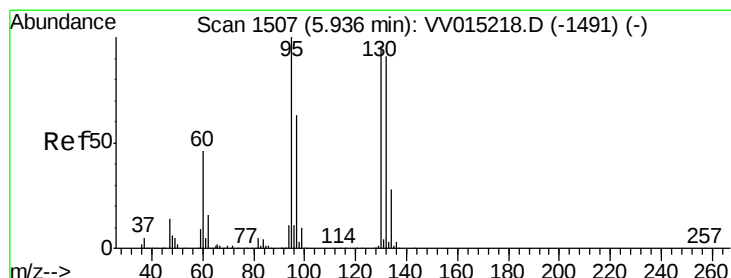
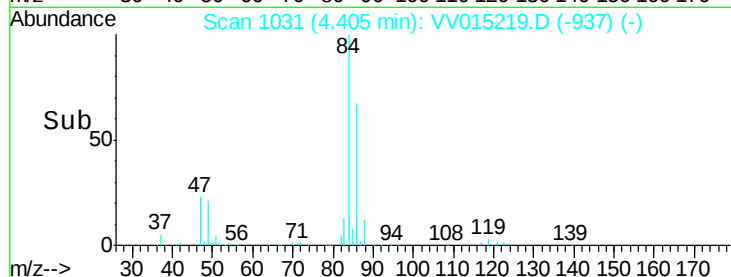
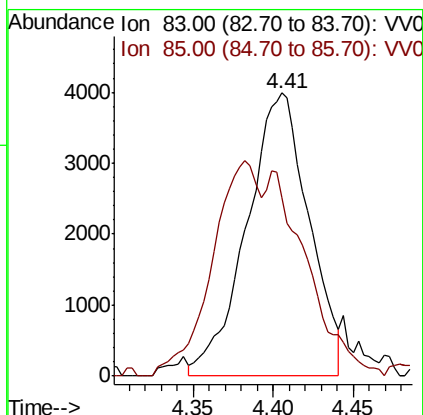
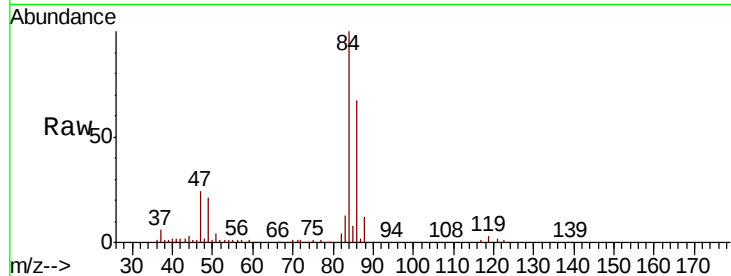




#25
Chloroform
Concen: 1.393 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015219.D
Acq: 28 Mar 2020 02:19

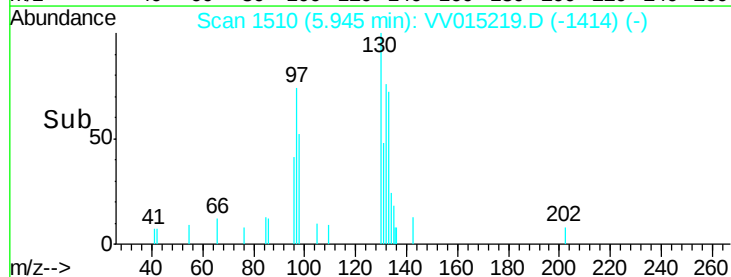
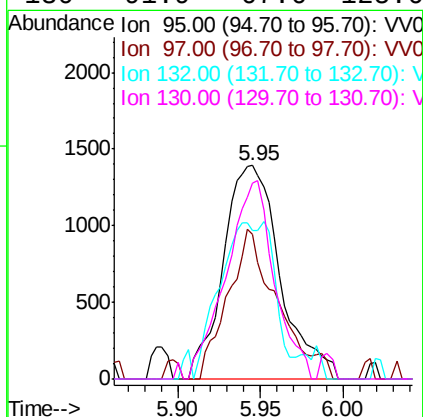
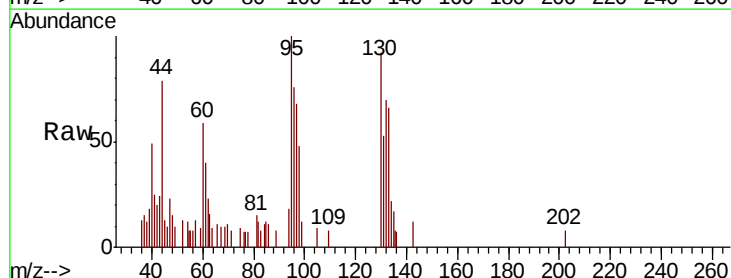
Instrument :
MSVOA_V
ClientSampleId :

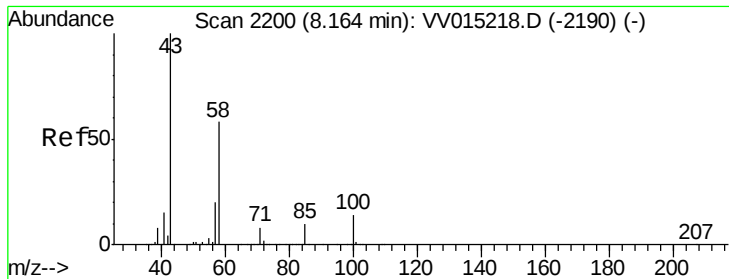
Tot Ion: 83 Resp: 10704
Ion Ratio Lower Upper
83 100
85 62.8 46.2 85.8



#34
Trichloroethene
Concen: 0.781 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV015219.D
Acq: 28 Mar 2020 02:19

Tgt Ion: 95 Resp: 3318
Ion Ratio Lower Upper
95 100
97 67.9 45.7 84.9
132 69.6 66.2 123.0
130 91.9 67.6 125.6

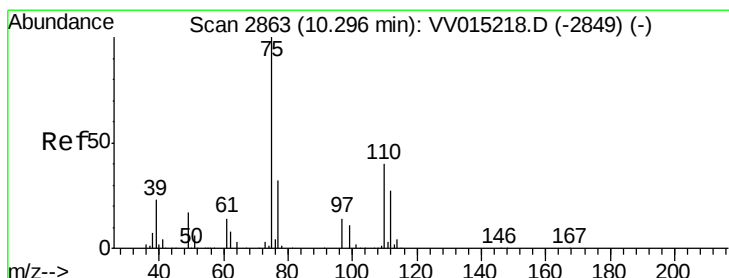
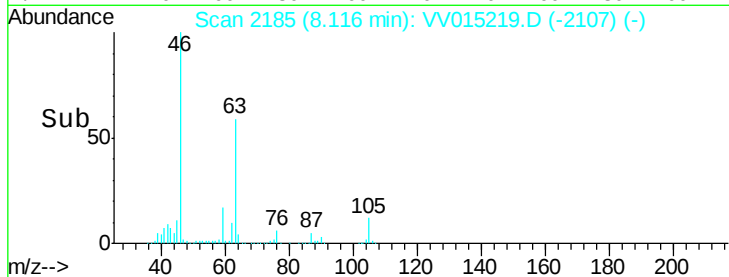
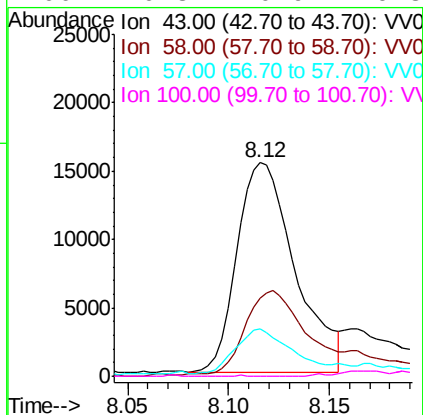
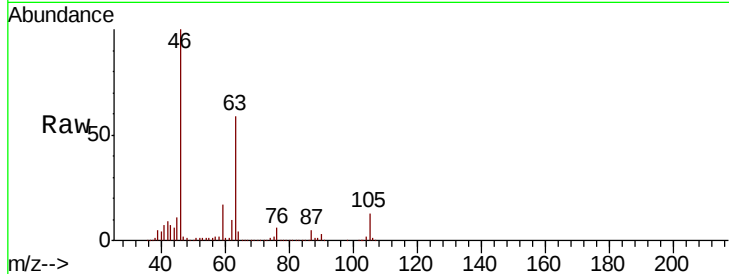




#48
 2-Hexanone
 Concen: 6.885 ug/L
 RT: 8.12 min Scan# 2185
 Delta R.T. -0.05 min
 Lab File: VV015219.D
 Acq: 28 Mar 2020 02:19

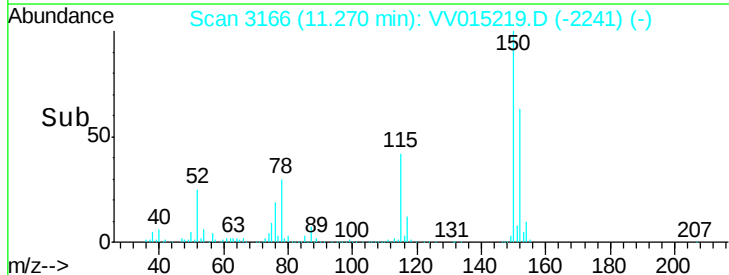
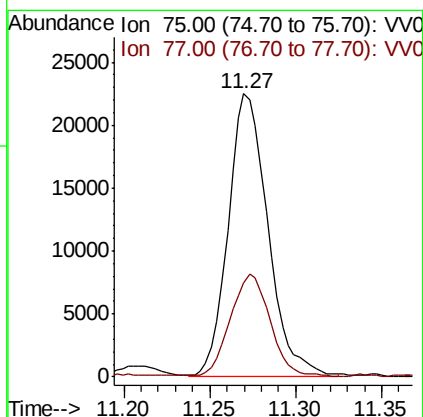
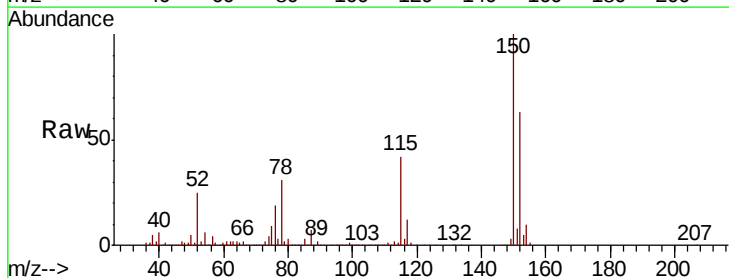
Instrument :
 MSVOA_V
 ClientSampleId :

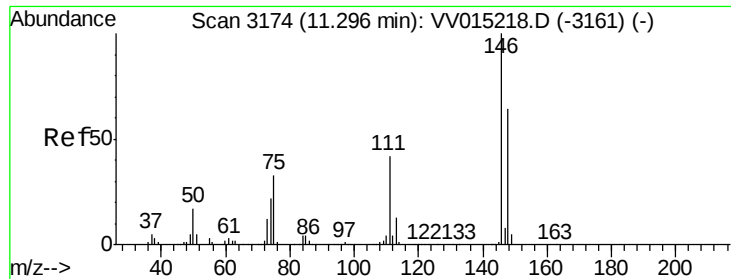
Tot Ion:	43	Resp:	30775
Ion	Ratio	Lower	Upper
43	100		
58	41.7	45.5	68.3#
57	19.6	15.8	23.6
100	0.3	10.9	16.3#



#59
 1,2,3-Trichloropropane
 Concen: 6.766 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.97 min
 Lab File: VV015219.D
 Acq: 28 Mar 2020 02:19

Tgt Ion:	75	Resp:	36422
Ion	Ratio	Lower	Upper
75	100		
77	34.7	26.0	39.0





#63

1,4-Dichlorobenzene

Concen: 0.694 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015219.D

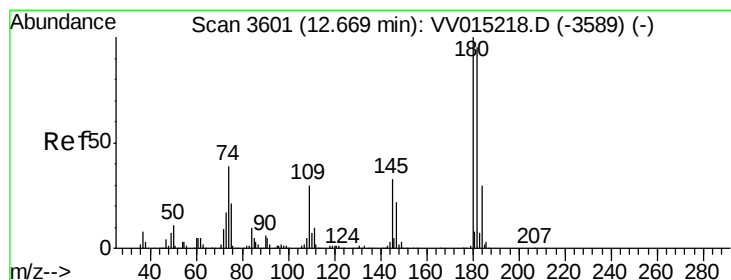
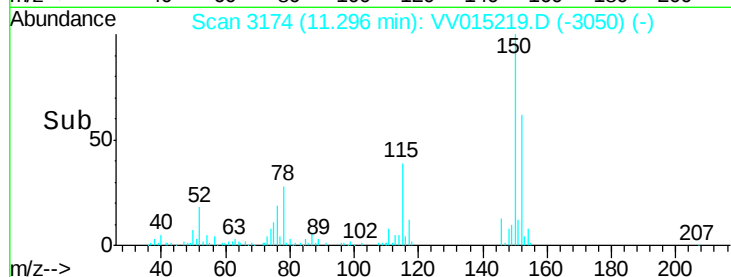
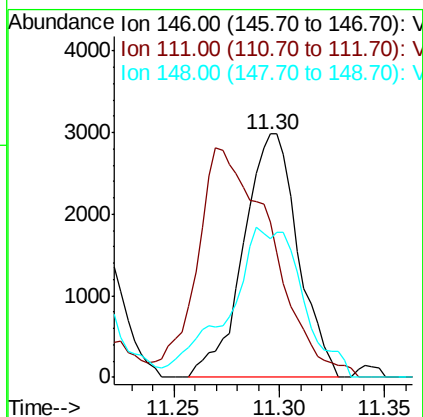
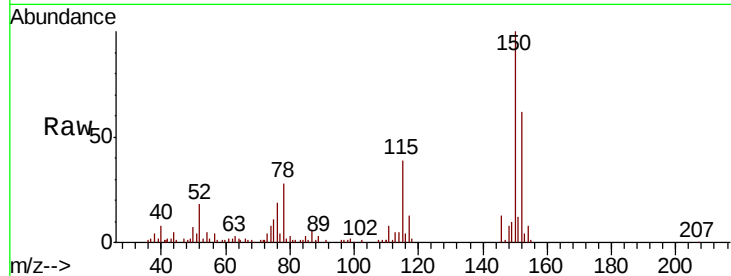
Acq: 28 Mar 2020 02:19

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	5374
Ion Ratio	Lower	Upper
146	100	
111	63.7	29.4 54.6#
148	57.1	43.6 81.0



#67

1,3,5-Trichlorobenzene

Concen: 0.769 ug/L

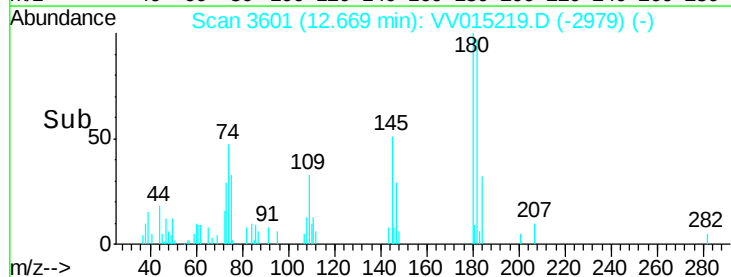
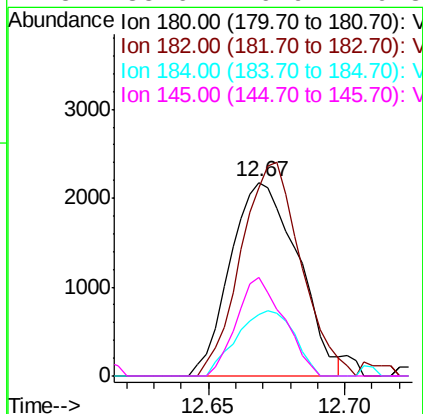
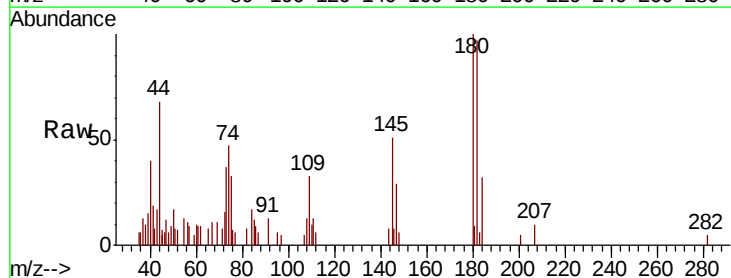
RT: 12.67 min Scan# 3601

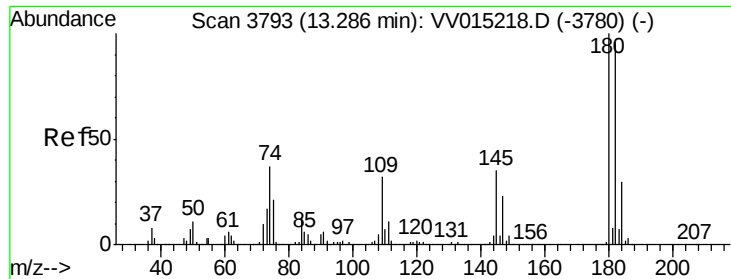
Delta R.T. -0.00 min

Lab File: VV015219.D

Acq: 28 Mar 2020 02:19

Tgt Ion:180	Resp:	3762
Ion Ratio	Lower	Upper
180	100	
182	97.1	75.4 113.0
184	28.5	23.8 35.8
145	35.6	26.9 40.3





#68

1,2,4-trichlorobenzene

Concen: 1.203 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.00 min

Lab File: VV015219.D

Acq: 28 Mar 2020 02:19

Instrument :

MSVOA_V

ClientSampleId :

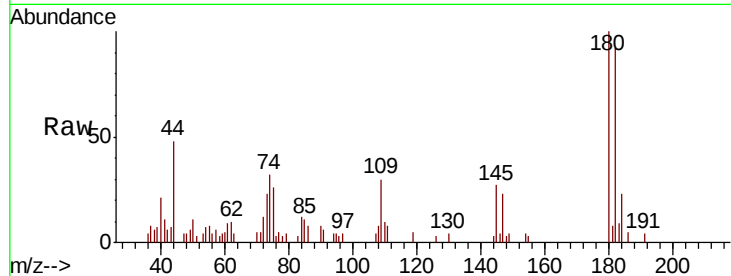
Tot Ion:180 Resp: 5475

Ion Ratio Lower Upper

180 100

182 89.9 75.5 113.3

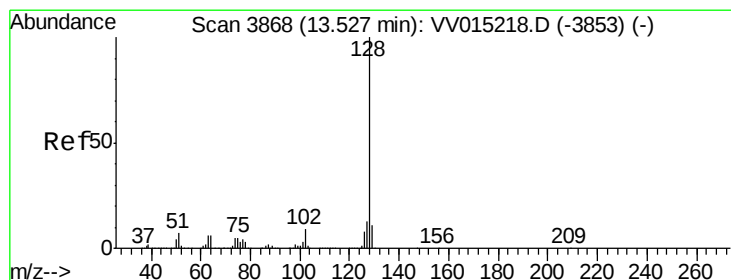
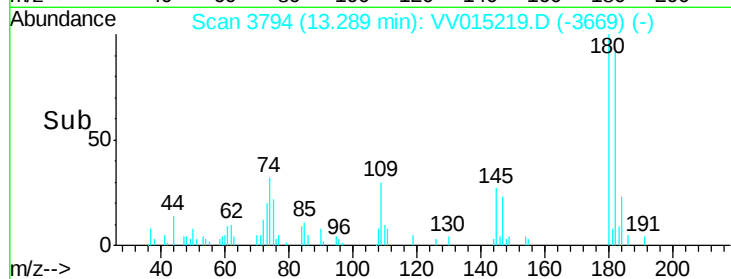
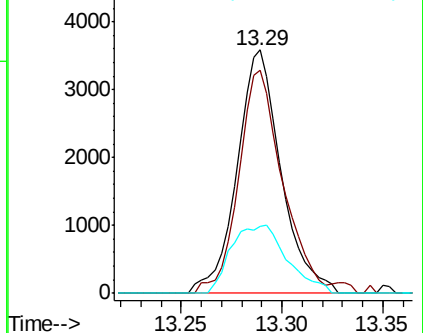
145 16.2 28.5 42.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 1.506 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015219.D

Acq: 28 Mar 2020 02:19

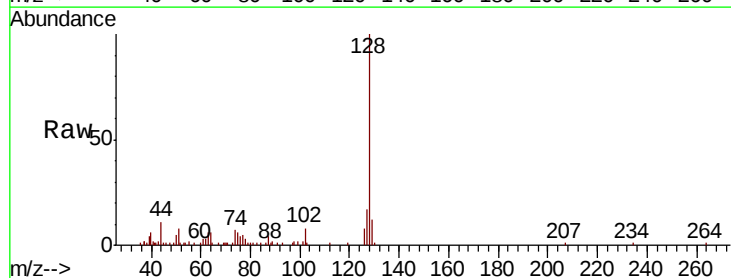
Tgt Ion:128 Resp: 27625

Ion Ratio Lower Upper

128 100

127 14.1 10.6 15.8

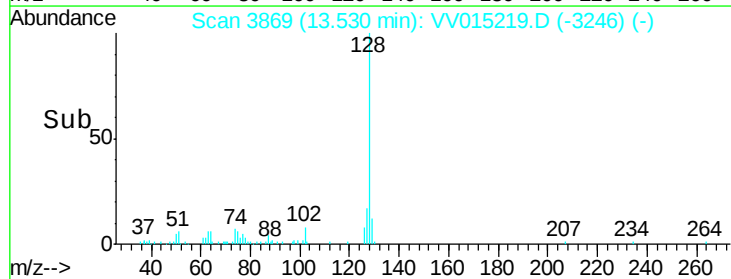
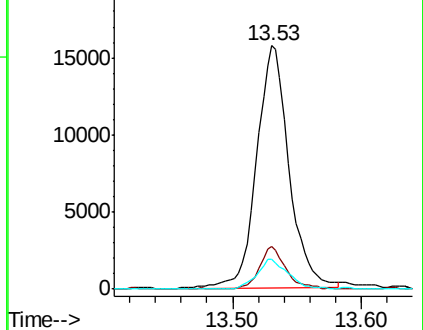
129 11.5 8.6 12.8

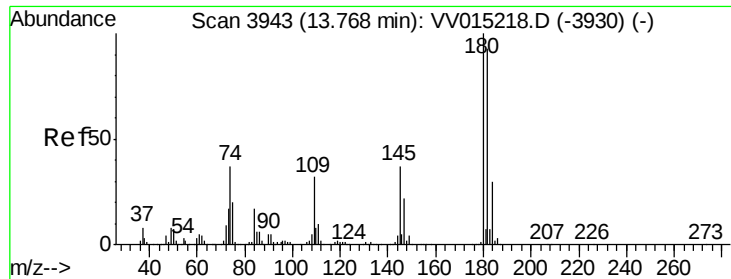


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70

1,2,3-Trichlorobenzene

Concen: 0.995 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015219.D

Acq: 28 Mar 2020 02:19

Instrument :

MSVOA_V

ClientSampleId :

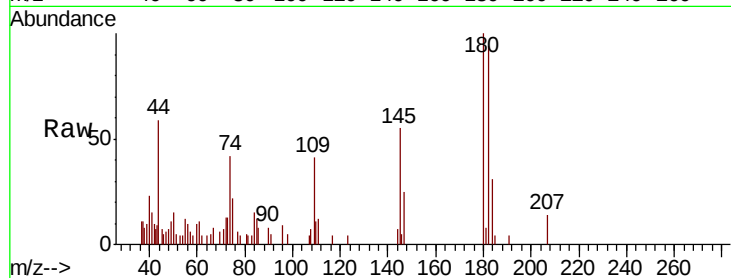
Tot Ion:180 Resp: 4643

Ion Ratio Lower Upper

180 100

182 83.0 75.9 113.9

145 41.5 29.0 43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

