

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013790.D
 Acq On : 26 Nov 2019 16:39
 Operator : SY/MD
 Sample : VV1126WBL02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	361474	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	354333	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	150007	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88464	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	84822	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.12	63	121569	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	3.95	46	202699	43.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.16%
24) Chloroform-d	4.39	84	196337	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.07	65	102777	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.09	84	393576	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.11	67	124270	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.35	98	323775	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	7.66	79	41457	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.14	63	177031	45.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	89067	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	132374	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

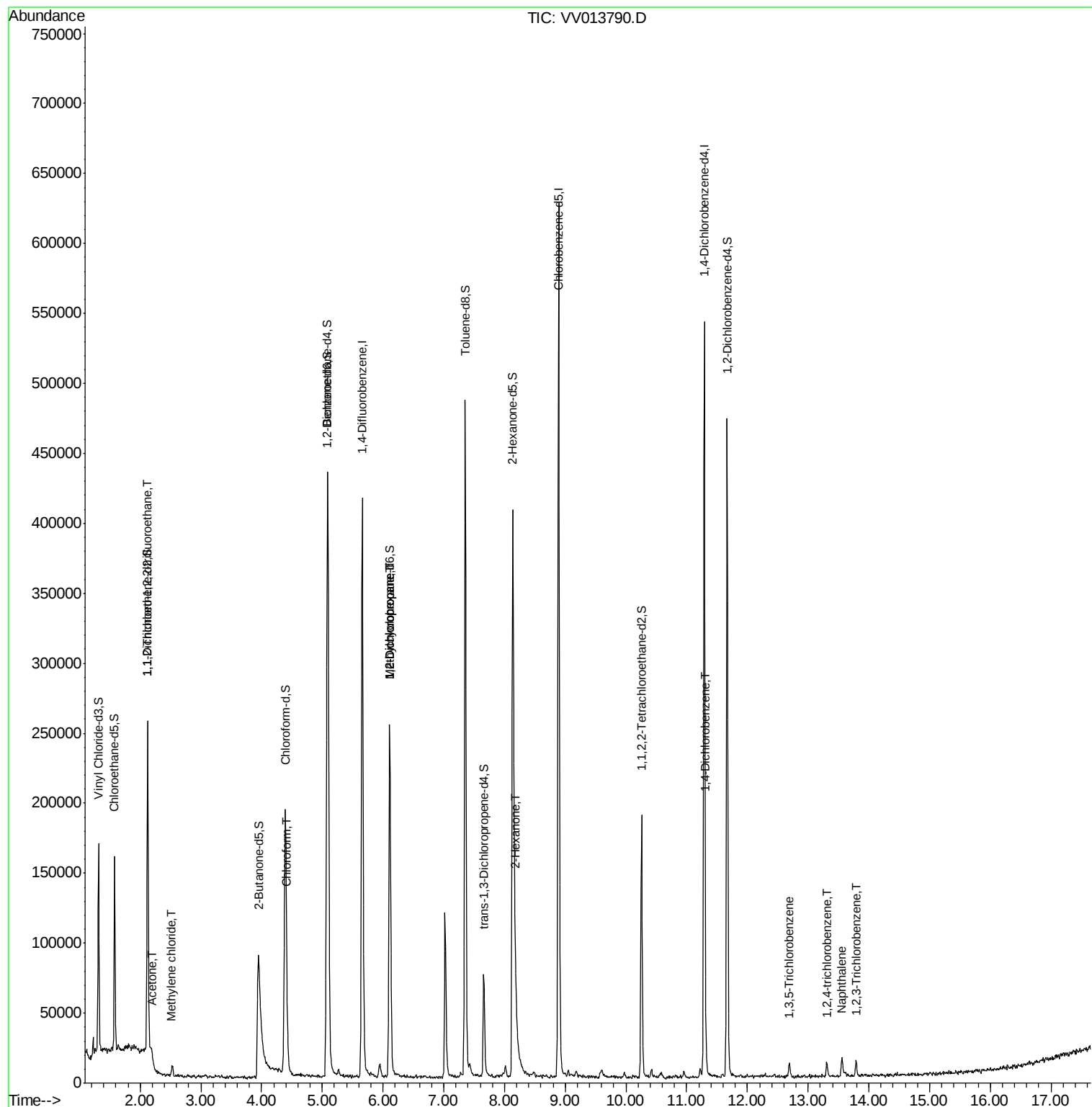
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1618	0.081	ug/L #	22
13) Acetone	2.21	43	3653	1.123	ug/L	96
16) Methylene chloride	2.53	84	2660	0.112	ug/L	90
25) Chloroform	4.42	83	13834	0.333	ug/L	88
35) Methylcyclohexane	6.11	83	30901	0.966	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	13583	0.608	ug/L #	85
48) 2-Hexanone	8.18	43	13425	1.443	ug/L #	91
63) 1,4-Dichlorobenzene	11.32	146	3546	0.080	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	3151	0.086	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	3745	0.124	ug/L	94
69) Naphthalene	13.55	128	8243	0.201	ug/L #	78
70) 1,2,3-Trichlorobenzene	13.79	180	3797	0.138	ug/L	98

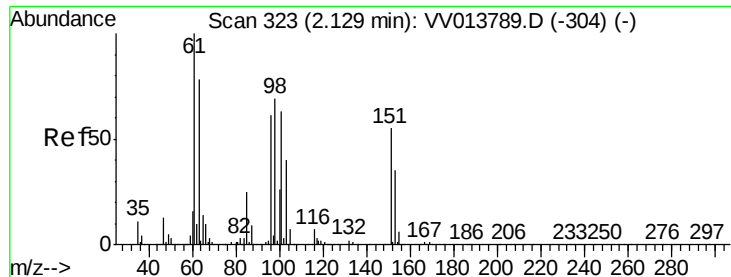
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration





#10

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

Concen: 0.081 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013790.D

Acq: 26 Nov 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

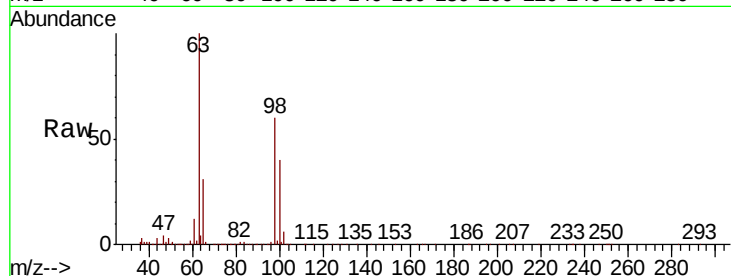
Tot Ion:101 Resp: 1618

Ion Ratio Lower Upper

101 100

85 12.6 33.4 50.0#

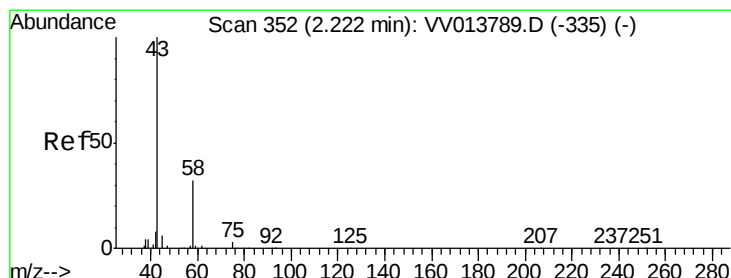
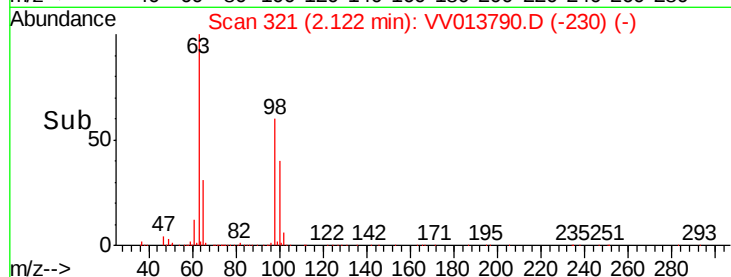
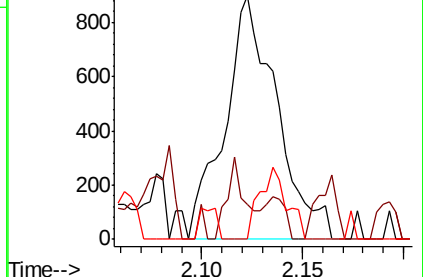
151 0.0 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): VV013789.D (-304) (-)

Ion 85.00 (84.70 to 85.70): VV013789.D (-304) (-)

Ion 151.00 (150.70 to 151.70): VV013789.D (-304) (-)



#13

Acetone

Concen: 1.123 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV013790.D

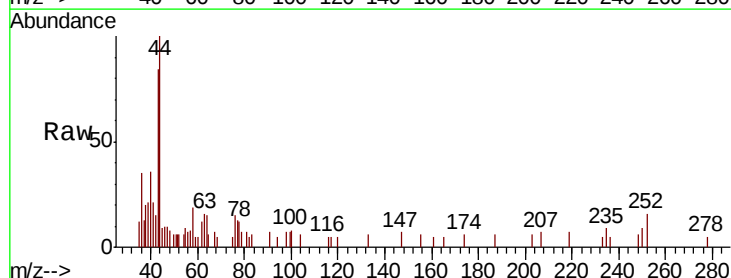
Acq: 26 Nov 2019 16:39

Tgt Ion: 43 Resp: 3653

Ion Ratio Lower Upper

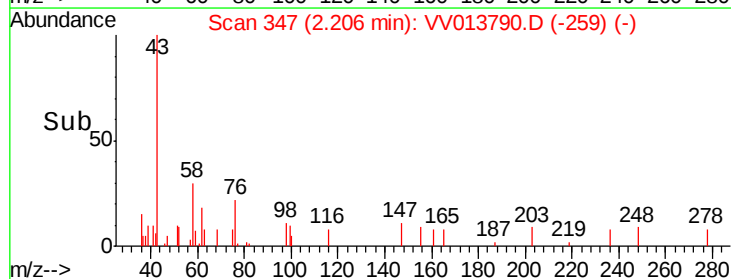
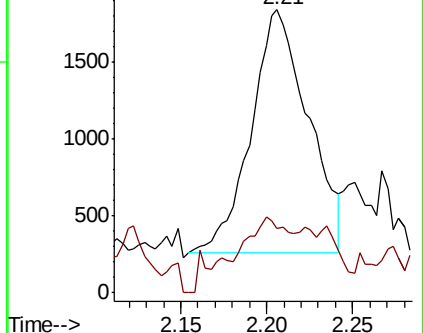
43 100

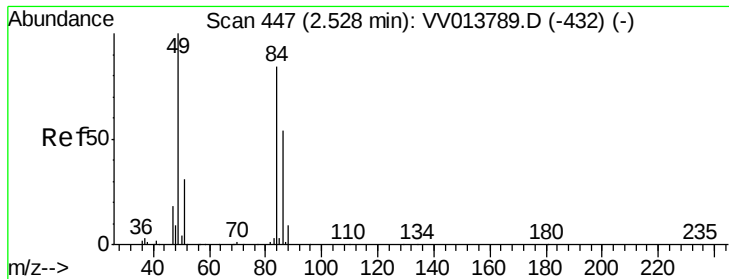
58 15.3 0.0 27.2



Abundance Ion 43.05 (42.75 to 43.75): VV013789.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV013789.D (-335) (-)

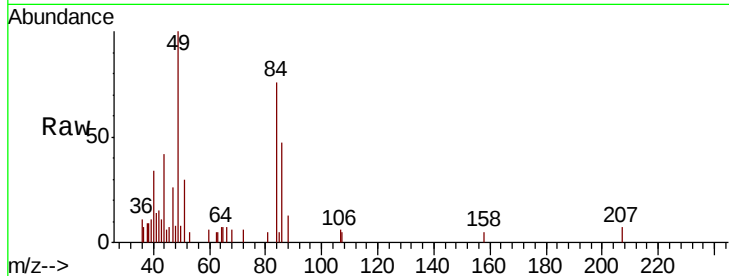




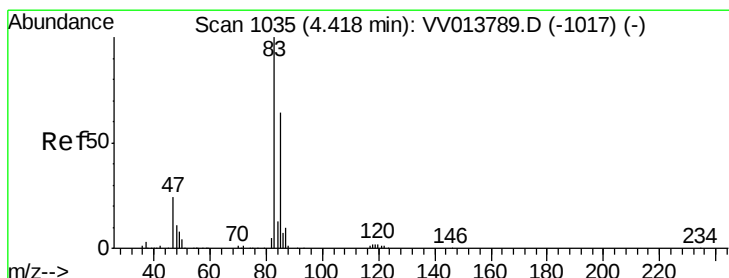
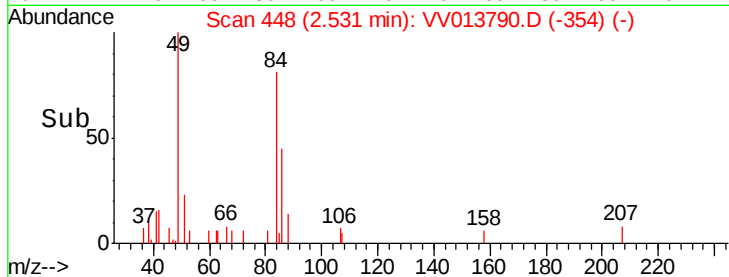
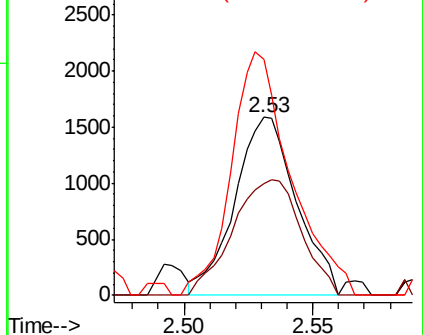
#16
Methvlene chloride
Concen: 0.112 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013790.D
Acq: 26 Nov 2019 16:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 2660
Ion Ratio Lower Upper
84 100
86 62.7 44.0 81.6
49 132.4 81.5 151.5

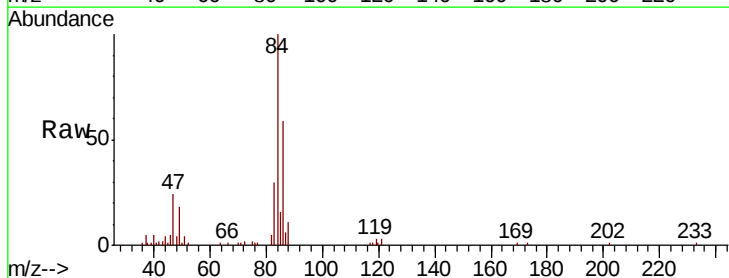


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

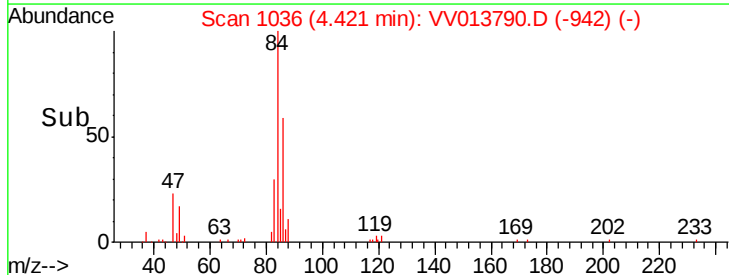
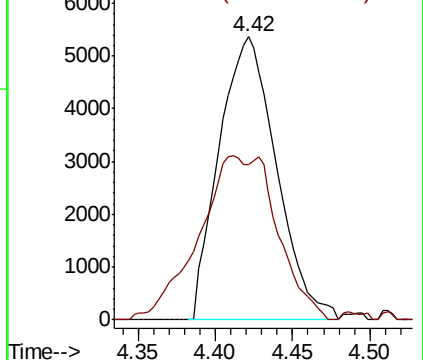


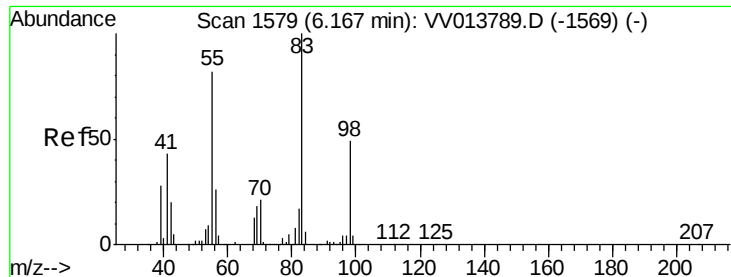
#25
Chloroform
Concen: 0.333 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013790.D
Acq: 26 Nov 2019 16:39

Tgt Ion: 83 Resp: 13834
Ion Ratio Lower Upper
83 100
85 54.9 45.1 83.7



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





#35

Methylcyclohexane

Concen: 0.966 ug/L

RT: 6.11 min Scan# 1562

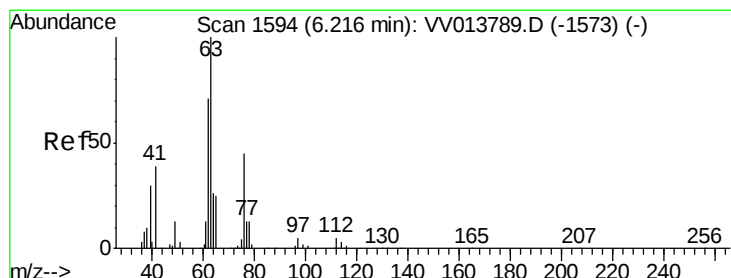
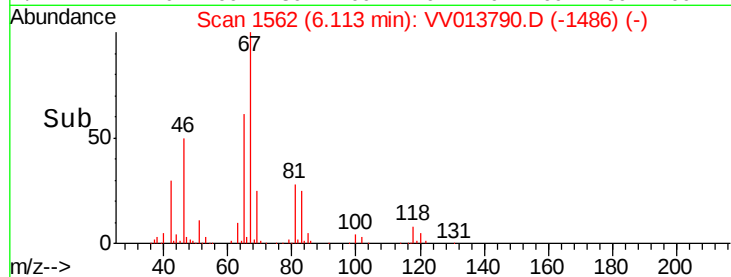
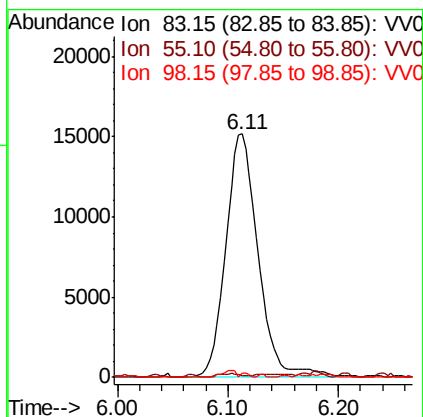
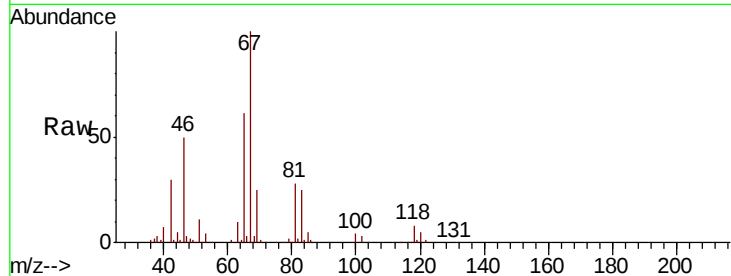
Delta R.T. -0.05 min

Lab File: VV013790.D

Acq: 26 Nov 2019 16:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	83	Resp:	30901
Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.3	90.5#
98	0.4	38.1	57.1#



#37

1,2-Dichloropropane

Concen: 0.608 ug/L

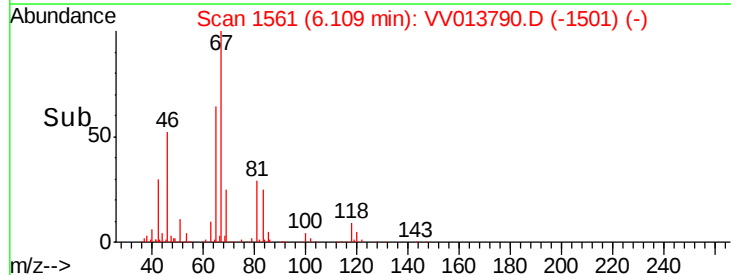
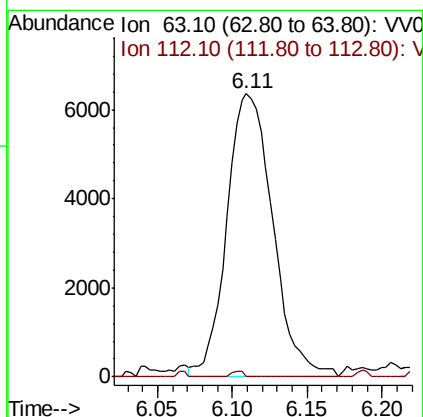
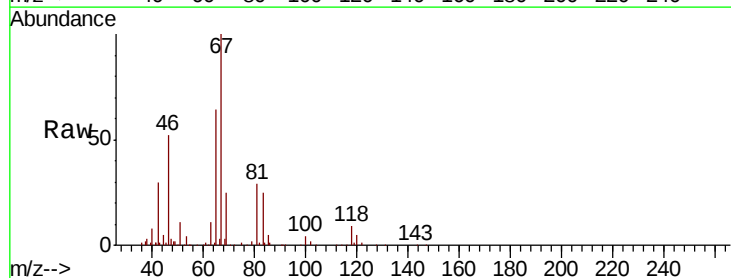
RT: 6.11 min Scan# 1561

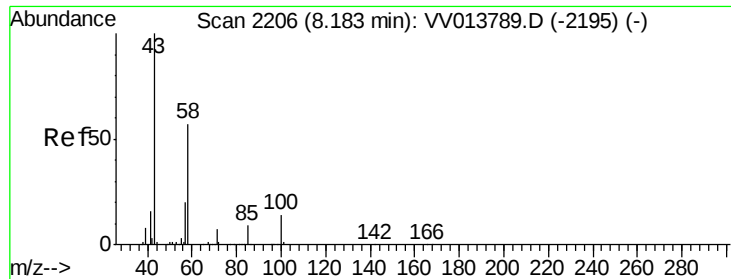
Delta R.T. -0.11 min

Lab File: VV013790.D

Acq: 26 Nov 2019 16:39

Tgt Ion:	63	Resp:	13583
Ion	Ratio	Lower	Upper
63	100		
112	0.5	4.4	6.6#

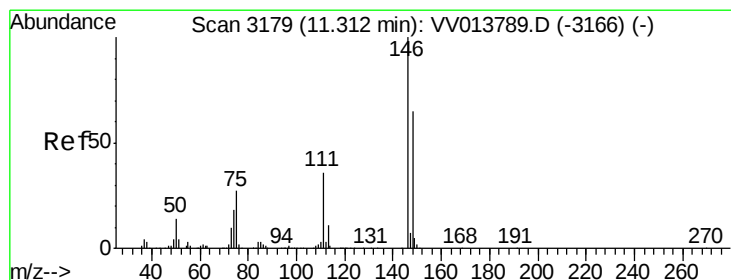
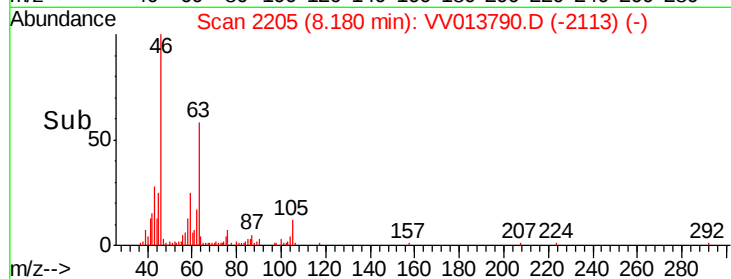
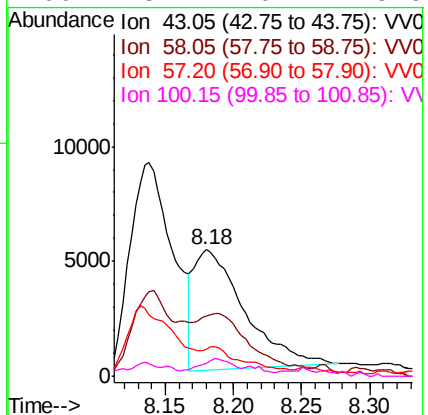
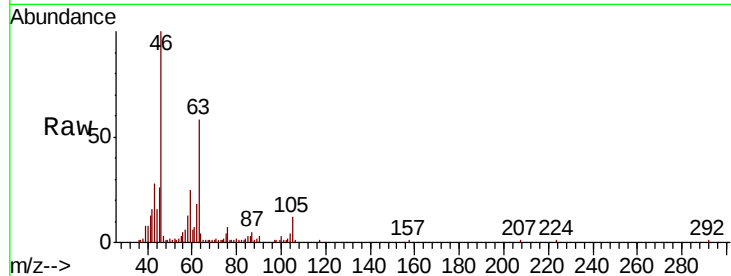




#48
2-Hexanone
Concen: 1.443 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013790.D
Acq: 26 Nov 2019 16:39

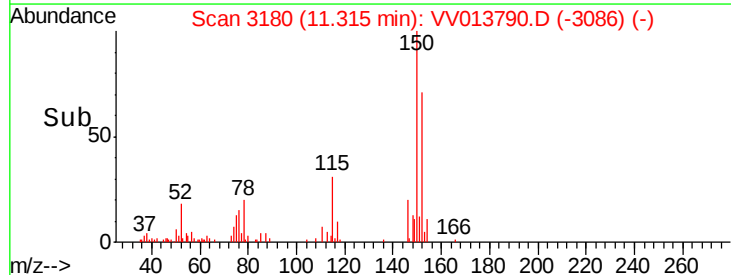
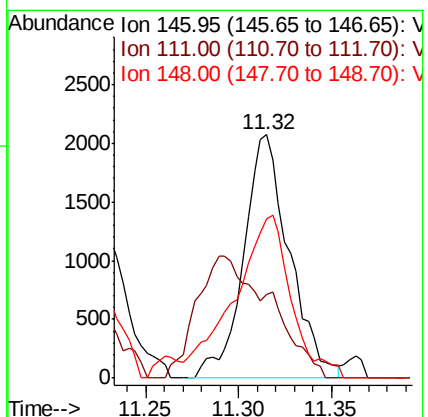
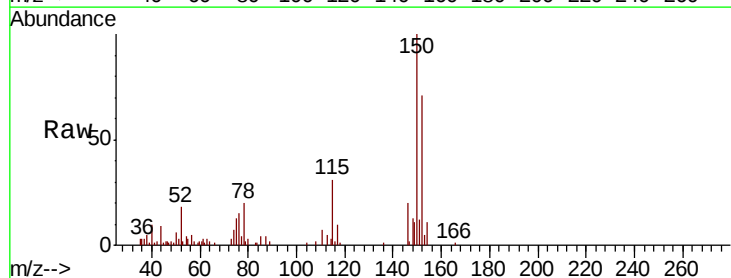
Instrument :
MSVOA_V
ClientSampleId :

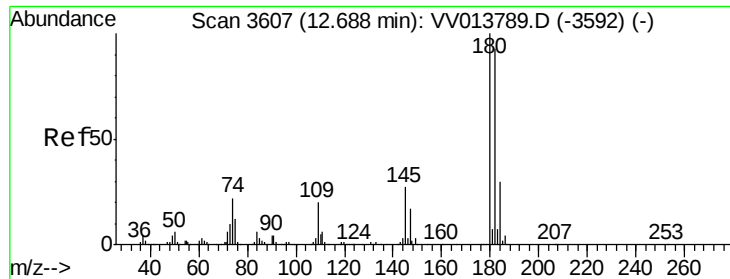
Tot Ion: 43 Resp: 13425
Ion Ratio Lower Upper
43 100
58 47.3 43.2 64.8
57 16.9 15.4 23.2
100 8.4 10.4 15.6#



#63
1,4-Dichlorobenzene
Concen: 0.080 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VV013790.D
Acq: 26 Nov 2019 16:39

Tgt Ion: 146 Resp: 3546
Ion Ratio Lower Upper
146 100
111 34.2 25.0 46.4
148 65.6 45.4 84.2

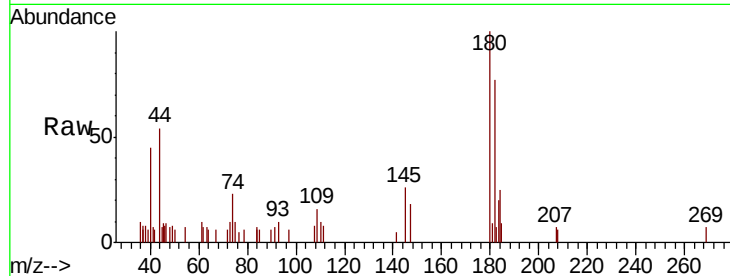




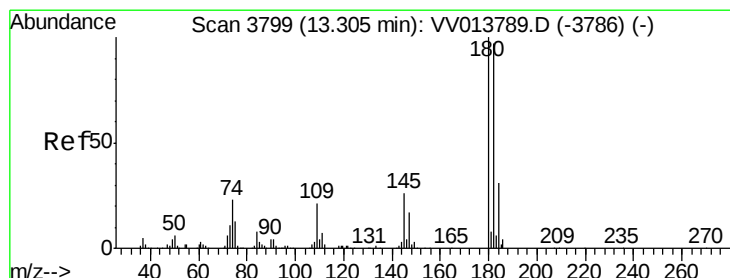
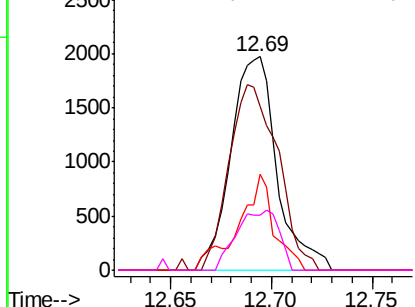
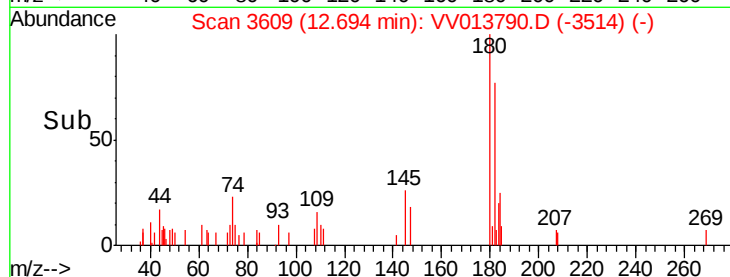
#67
 1,3,5-Trichlorobenzene
 Concen: 0.086 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.01 min
 Lab File: VV013790.D
 Acq: 26 Nov 2019 16:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	3151
Ion	Ratio	Lower Upper
180	100	
182	92.0	74.8 112.2
184	34.8	23.2 34.8
145	26.1	21.3 31.9

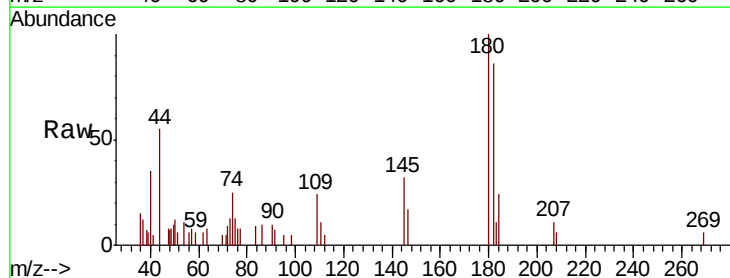


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

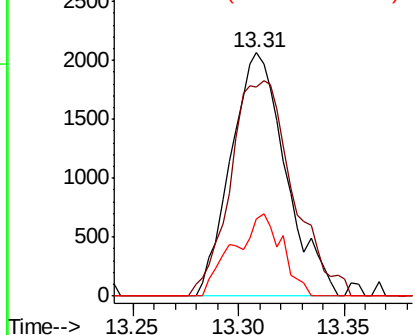
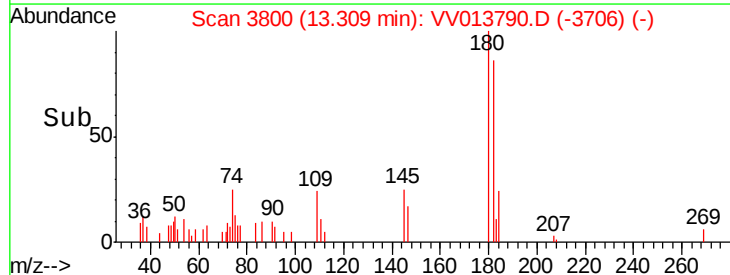


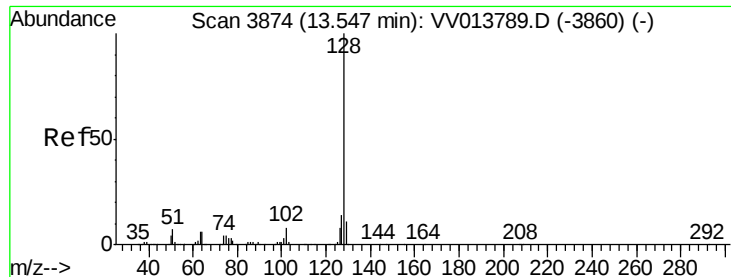
#68
 1,2,4-trichlorobenzene
 Concen: 0.124 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013790.D
 Acq: 26 Nov 2019 16:39

Tgt Ion:180	Resp:	3745
Ion	Ratio	Lower Upper
180	100	
182	100.4	76.2 114.4
145	29.9	21.0 31.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.201 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013790.D

Acq: 26 Nov 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

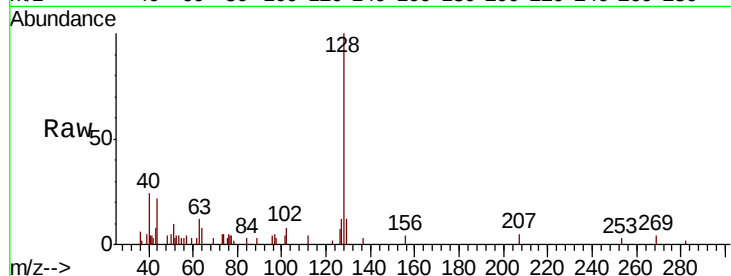
Tot Ion:128 Resp: 8243

Ion Ratio Lower Upper

128 100

129 7.3 8.6 12.8#

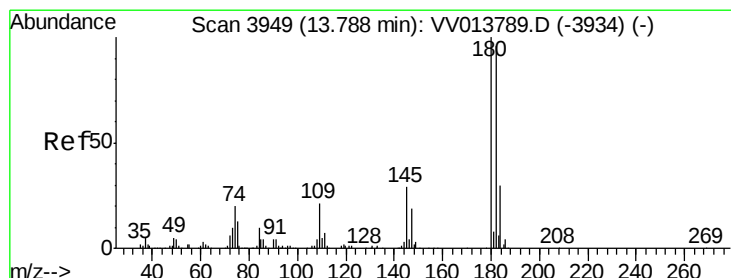
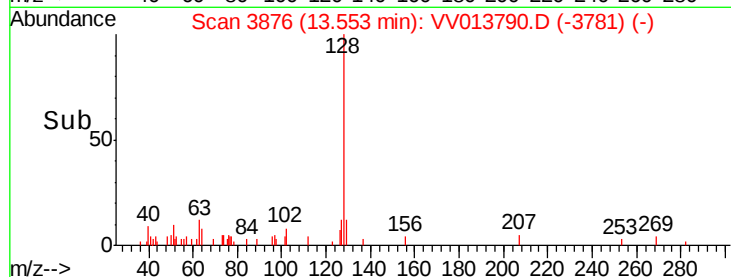
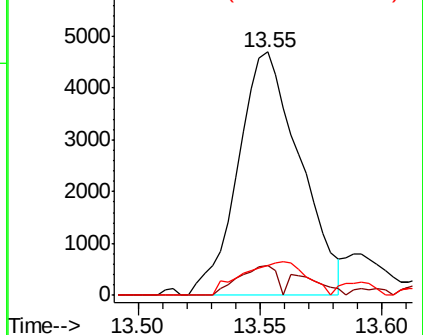
127 0.0 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.138 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013790.D

Acq: 26 Nov 2019 16:39

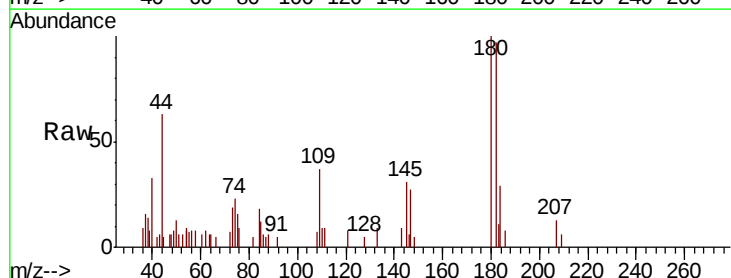
Tgt Ion:180 Resp: 3797

Ion Ratio Lower Upper

180 100

182 95.4 78.5 117.7

145 30.7 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

