

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072720\
 Data File : VV017679.D
 Acq On : 27 Jul 2020 15:30
 Operator : SY/MD
 Sample : L3459-03MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 04:56:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 28 04:52:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	158082	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155219	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	76478	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29634	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.58	69	24790	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.13	63	68354	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	3.92	46	71899	39.82	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.64%
24) Chloroform-d	4.37	84	80991	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.06	65	43491	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.07	84	141892	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.09	67	38188	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.20%
41) Toluene-d8	7.34	98	129261	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
45) trans-1,3-Dichloropropene-	7.65	79	17406	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
48) 2-Hexanone-d5	8.11	63	48828	36.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.10%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	27349	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	55102	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

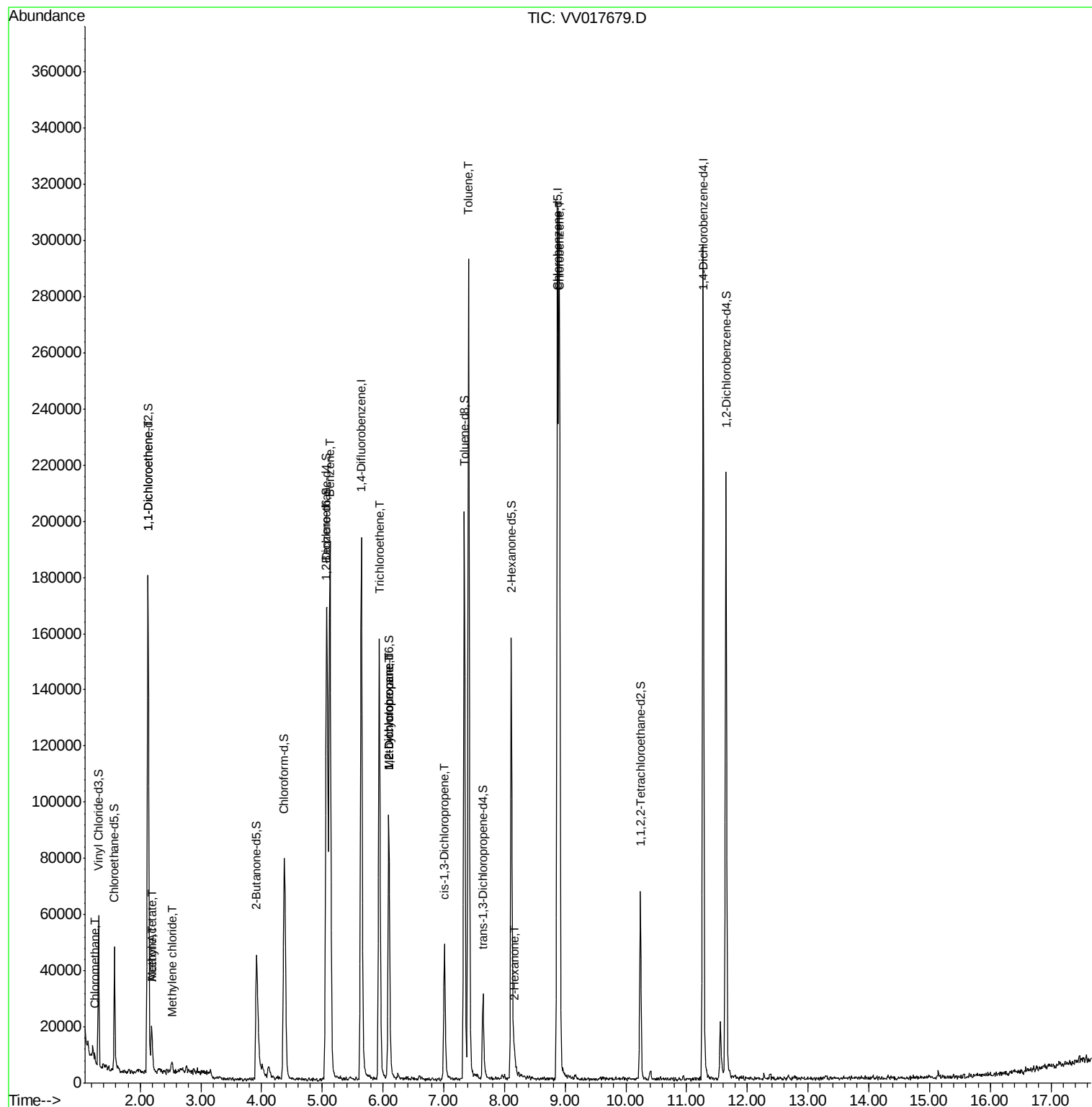
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1379	0.122	ug/L	96
12) 1,1-Dichloroethene	2.13	96	33869	3.979	ug/L	89
13) Acetone	2.19	43	21116	14.937	ug/L #	53
15) Methyl Acetate	2.19	43	19638	7.139	ug/L #	42
16) Methylene chloride	2.53	84	1391	0.147	ug/L	88
33) Benzene	5.13	78	183128	4.168	ug/L	100
34) Trichloroethene	5.94	95	52723	4.296	ug/L	94
35) Methylcyclohexane	6.10	83	11589	0.624	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	5515	0.534	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	1661	0.107	ug/L #	79
42) Toluene	7.41	91	210440	4.391	ug/L	98
50) 2-Hexanone	8.17	43	3391	0.847	ug/L #	75
53) Chlorobenzene	8.90	112	150533	4.711	ug/L	98

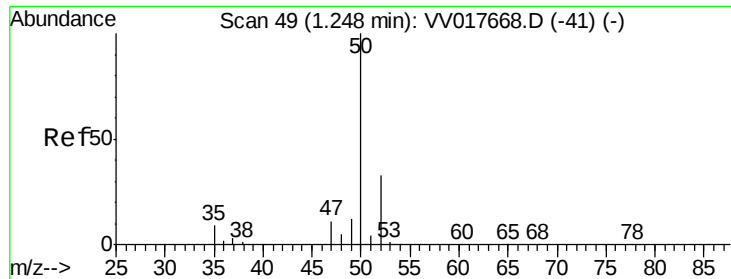
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.122 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017679.D

Acq: 27 Jul 2020 15:30

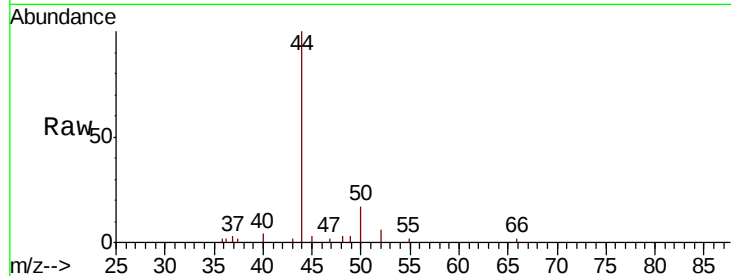
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 1379

Ion Ratio Lower Upper

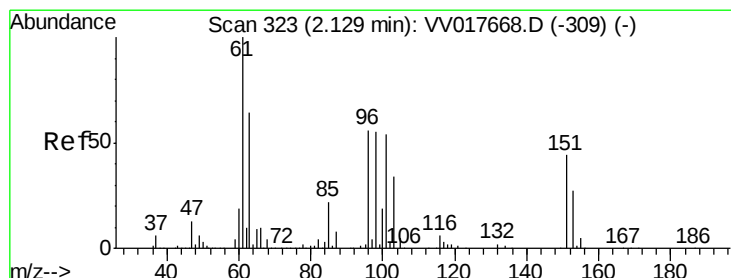
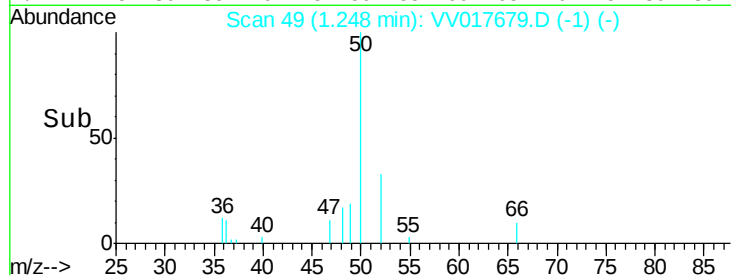
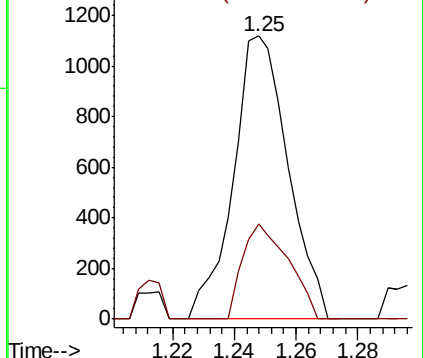
50 100

52 33.5 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017668.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV017668.D (-41) (-)



#12

1,1-Dichloroethene

Concen: 3.979 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017679.D

Acq: 27 Jul 2020 15:30

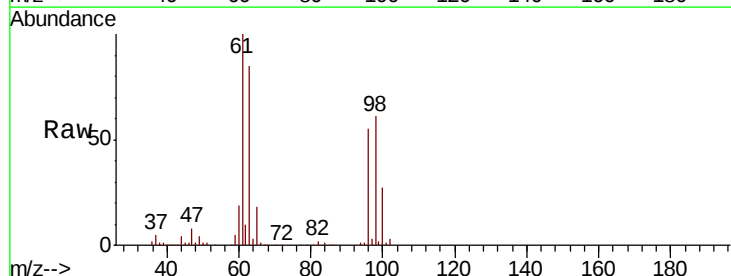
Tgt Ion: 96 Resp: 33869

Ion Ratio Lower Upper

96 100

61 181.7 123.1 228.7

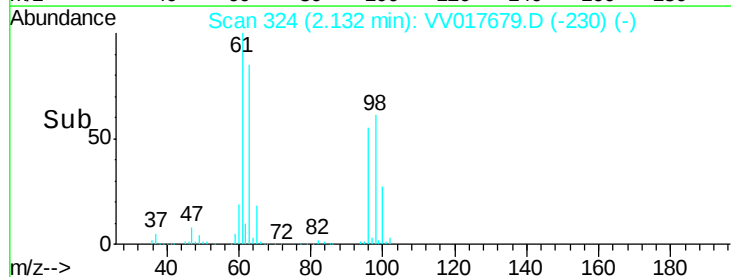
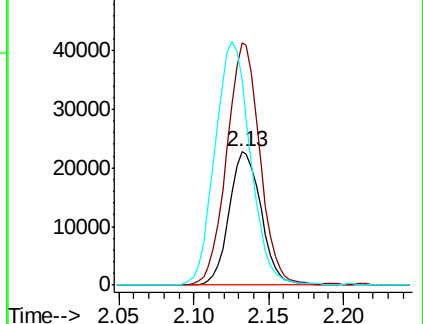
63 153.9 91.2 169.4

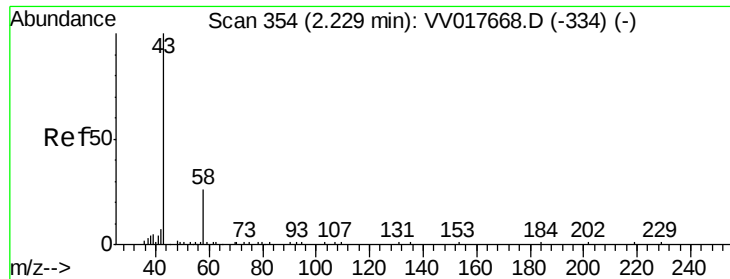


Abundance Ion 96.00 (95.70 to 96.70): VV017668.D (-309) (-)

Ion 61.05 (60.75 to 61.75): VV017668.D (-309) (-)

Ion 63.00 (62.70 to 63.70): VV017668.D (-309) (-)





#13

Acetone

Concen: 14.937 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.04 min

Lab File: VV017679.D

Acq: 27 Jul 2020 15:30

Instrument :

MSVOA_V

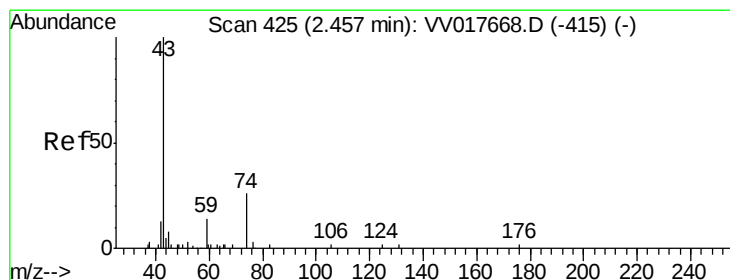
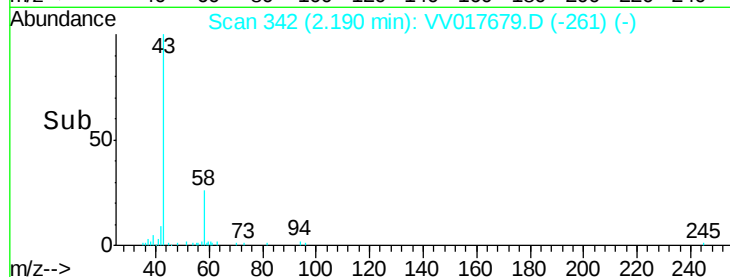
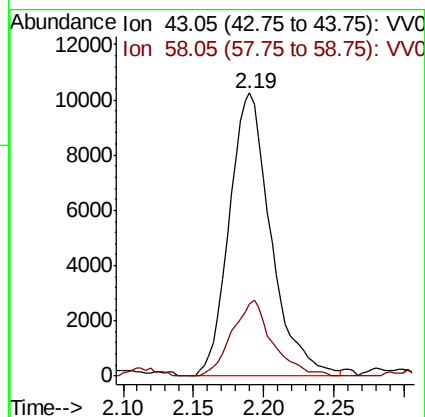
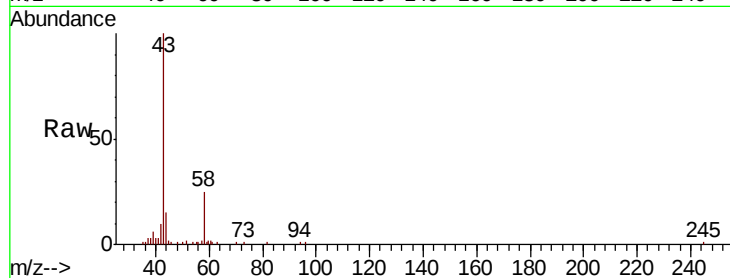
ClientSampleId :

Tot Ion: 43 Resp: 21116

Ion Ratio Lower Upper

43 100

58 26.2 0.0 18.6#



#15

Methyl Acetate

Concen: 7.139 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.27 min

Lab File: VV017679.D

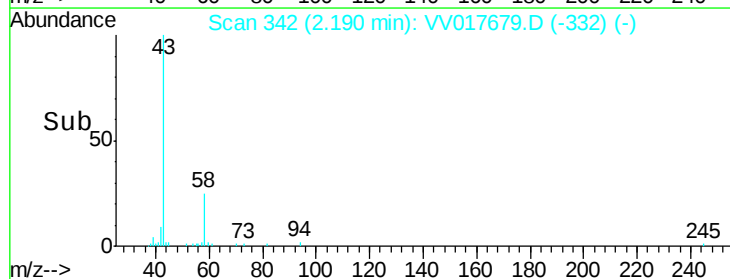
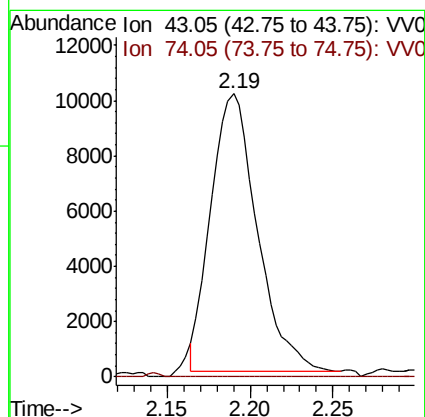
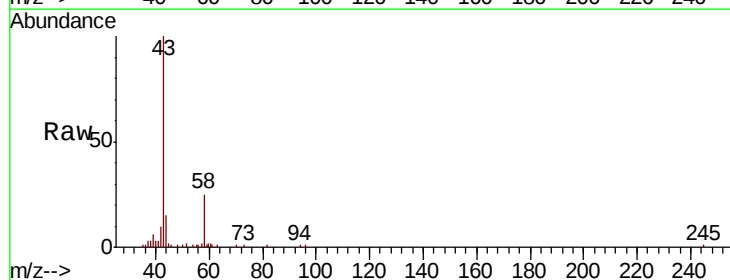
Acq: 27 Jul 2020 15:30

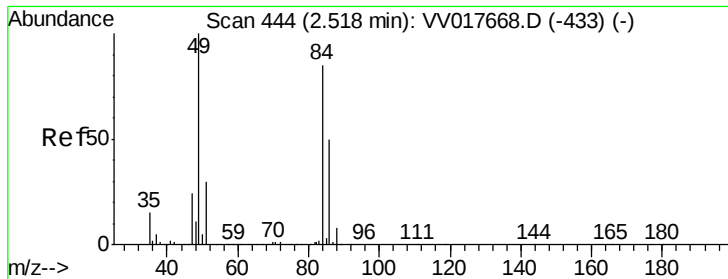
Tgt Ion: 43 Resp: 19638

Ion Ratio Lower Upper

43 100

74 0.2 26.6 40.0#

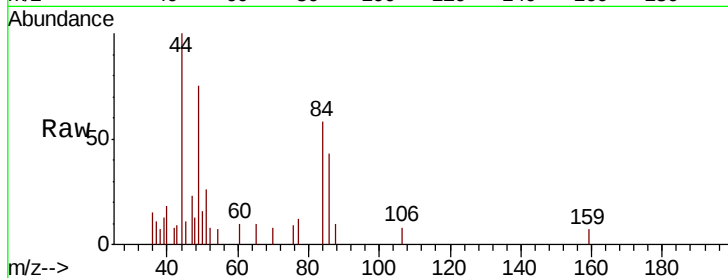




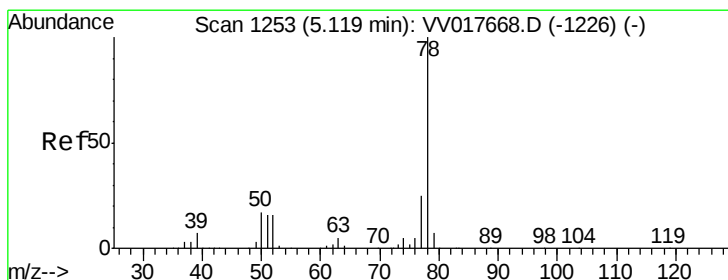
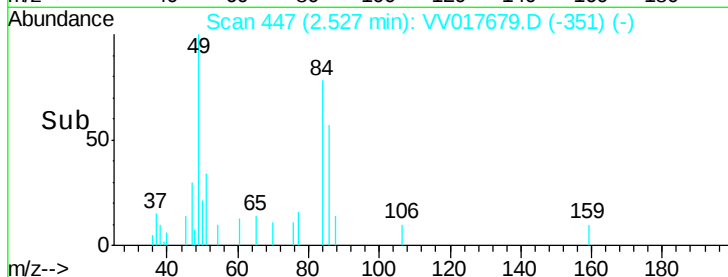
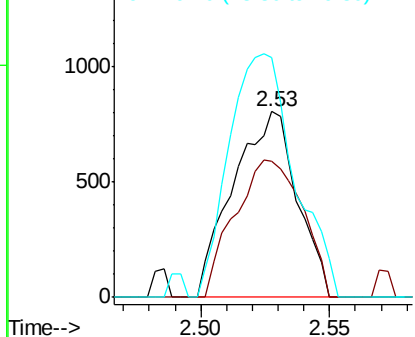
#16
Methylene chloride
Concen: 0.147 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017679.D
Acq: 27 Jul 2020 15:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 1391
Ion Ratio Lower Upper
84 100
86 73.2 46.5 86.3
49 128.8 79.2 147.2

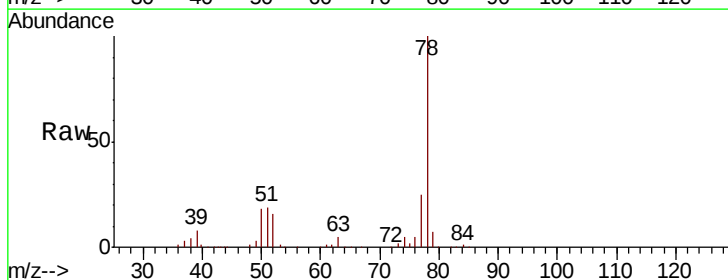


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

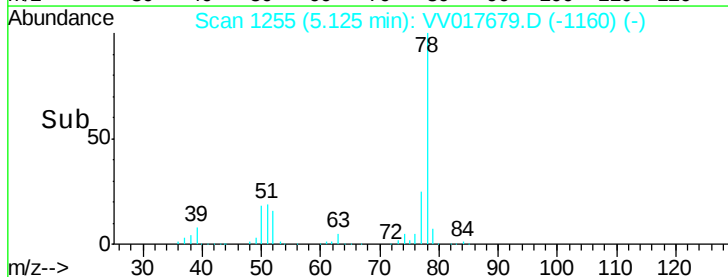
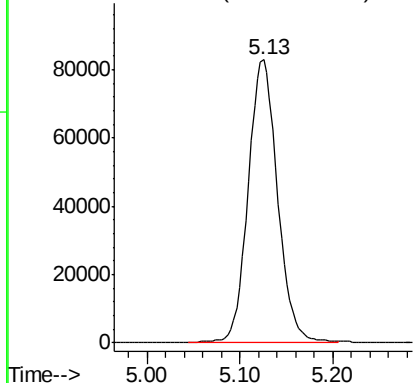


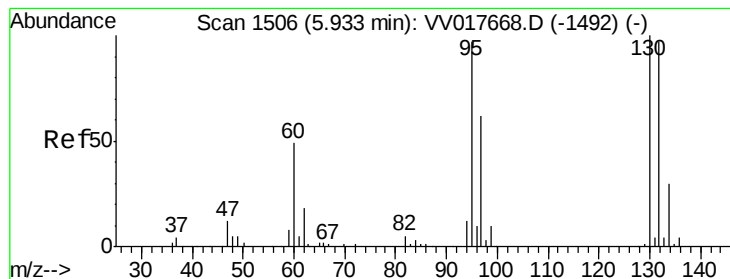
#33
Benzene
Concen: 4.168 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV017679.D
Acq: 27 Jul 2020 15:30

Tgt Ion: 78 Resp: 183128



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.296 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV017679.D

Acq: 27 Jul 2020 15:30

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 52723

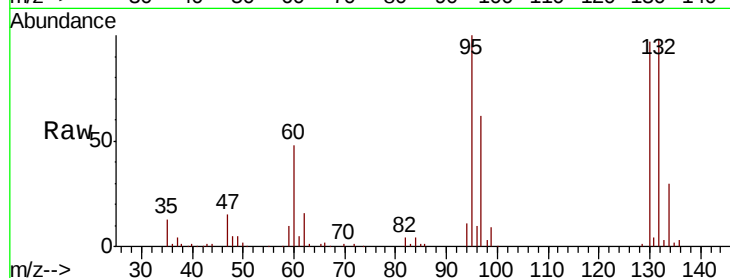
Ion Ratio Lower Upper

95 100

97 61.6 46.1 85.5

132 97.9 71.7 133.1

130 97.0 74.3 137.9



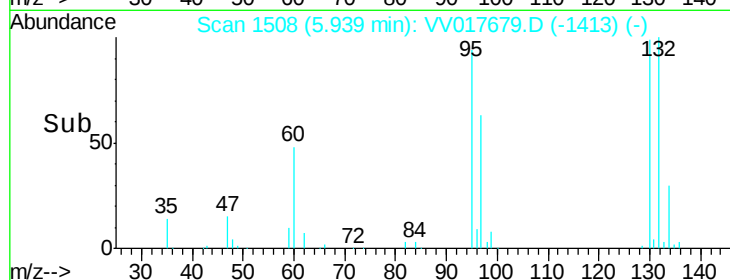
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



Abundance

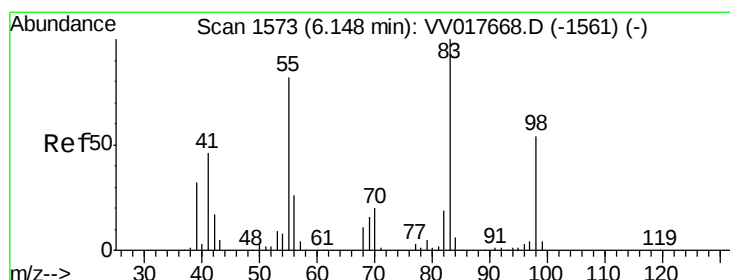
Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



#35

Methylcyclohexane

Concen: 0.624 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017679.D

Acq: 27 Jul 2020 15:30

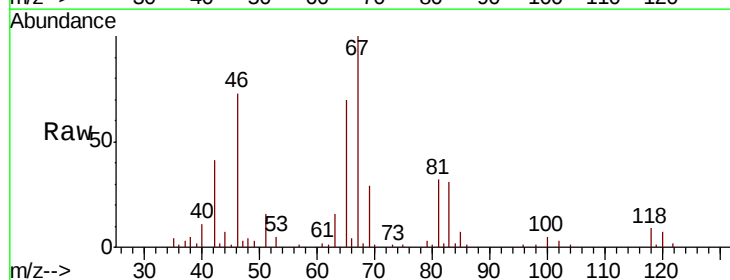
Tgt Ion: 83 Resp: 11589

Ion Ratio Lower Upper

83 100

55 0.0 61.8 92.8#

98 1.4 39.0 58.6#

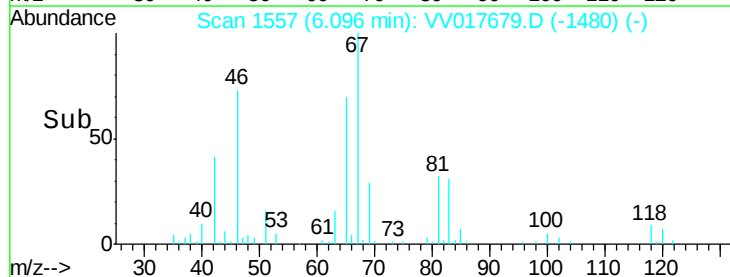


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->



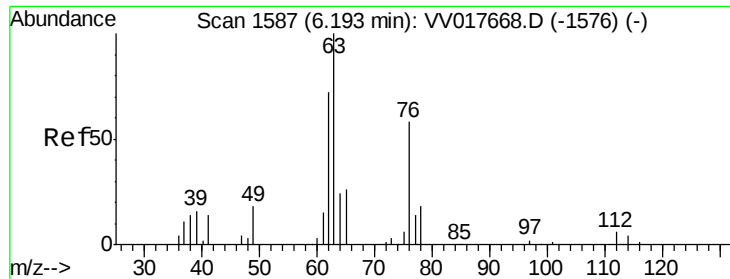
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

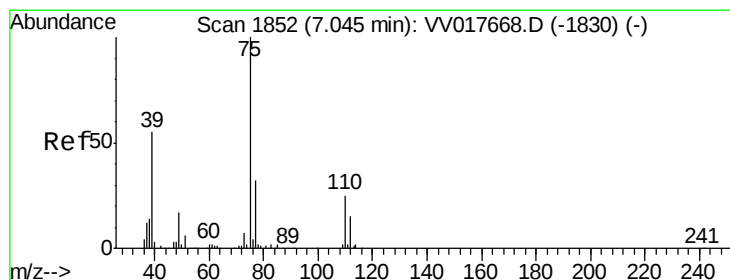
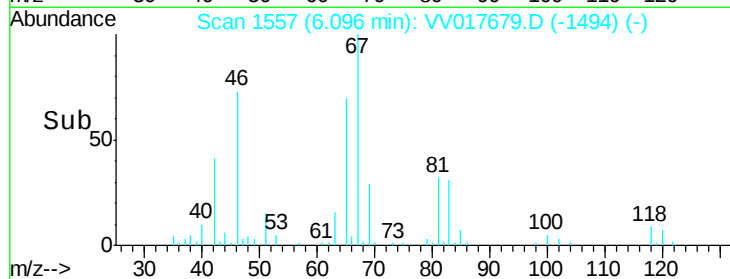
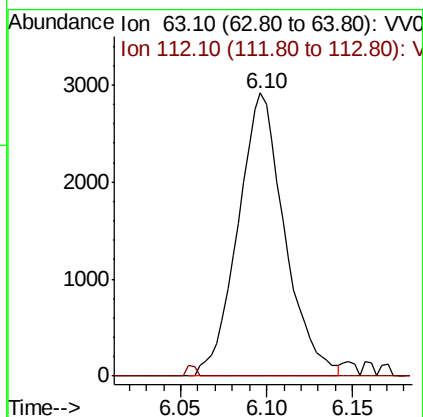
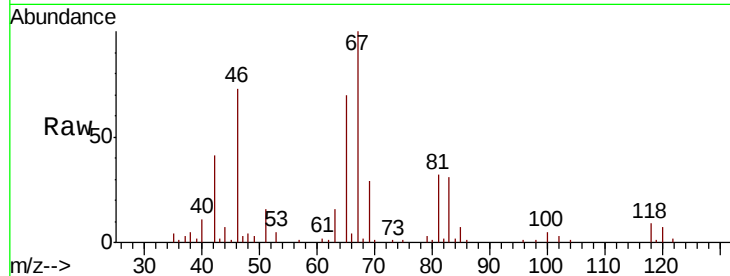
Time-->



#37
 1,2-Dichloropropane
 Concen: 0.534 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017679.D
 Acq: 27 Jul 2020 15:30

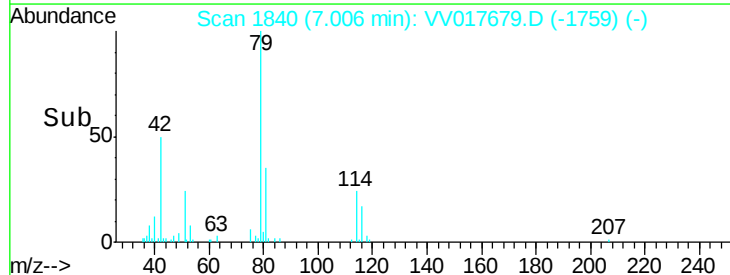
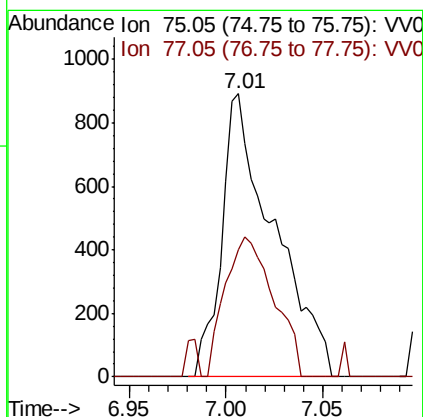
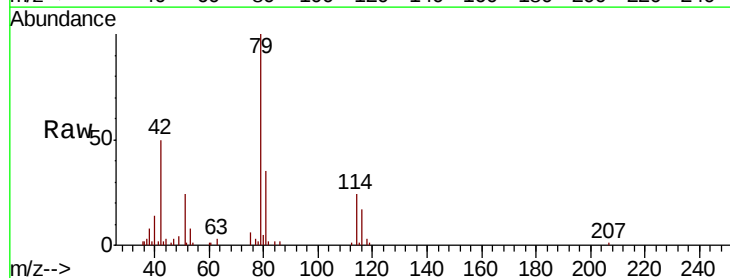
Instrument :
 MSVOA_V
 ClientSampleId :

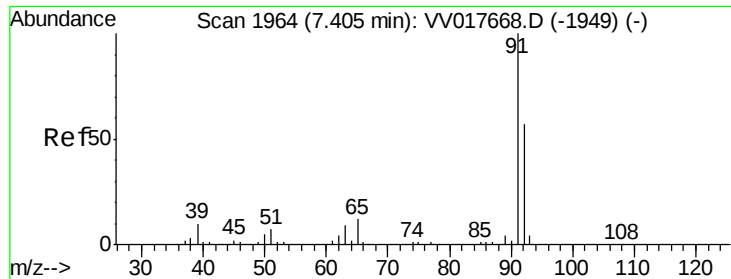
Tot Ion: 63 Resp: 5515
 Ion Ratio Lower Upper
 63 100
 112 0.7 4.5 6.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017679.D
 Acq: 27 Jul 2020 15:30

Tgt Ion: 75 Resp: 1661
 Ion Ratio Lower Upper
 75 100
 77 44.8 23.2 43.2#





#42

Toluene

Concen: 4.391 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017679.D

Acq: 27 Jul 2020 15:30

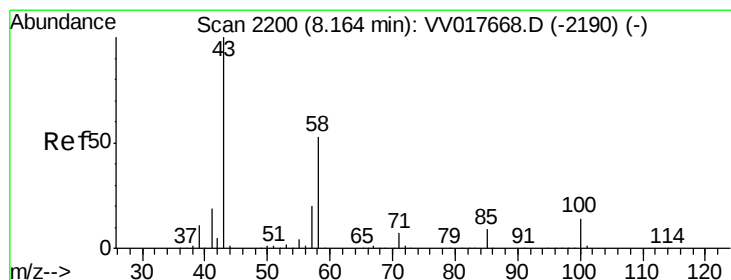
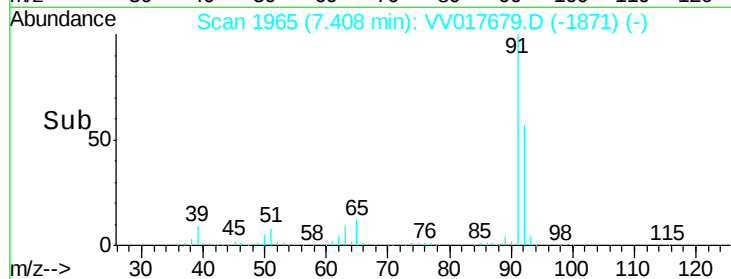
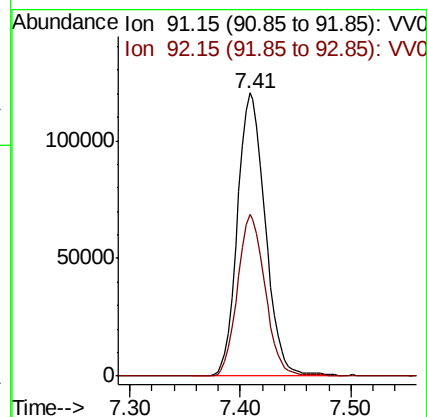
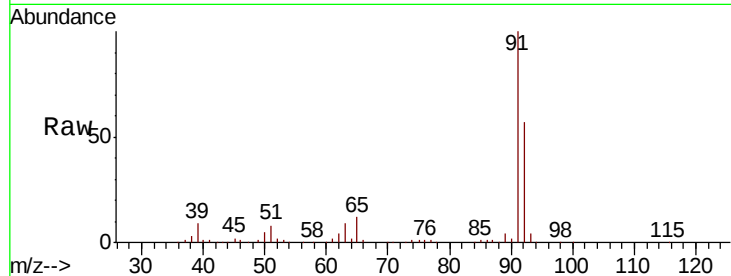
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 210440

Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8



#50

2-Hexanone

Concen: 0.847 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV017679.D

Acq: 27 Jul 2020 15:30

Tgt Ion: 43 Resp: 3391

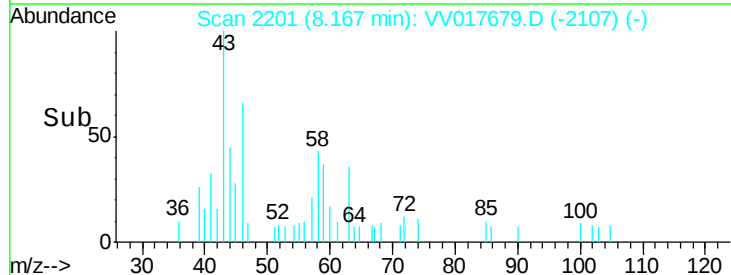
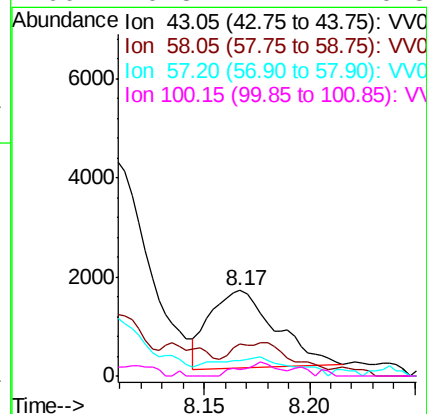
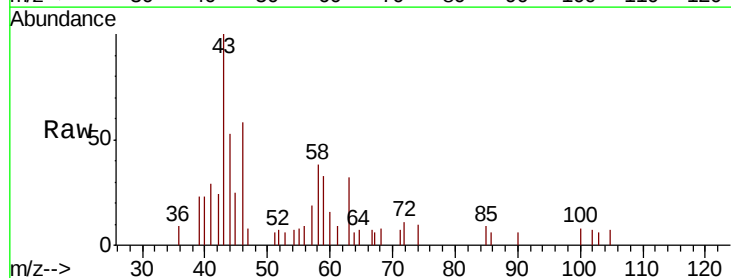
Ion Ratio Lower Upper

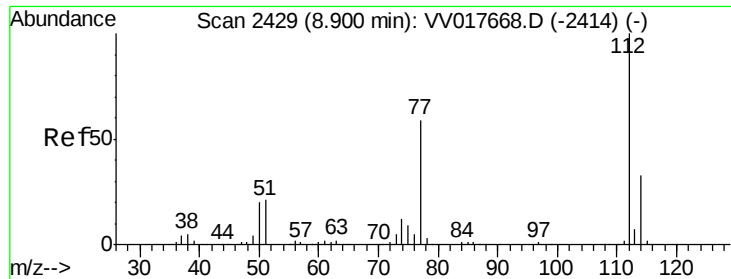
43 100

58 30.0 41.6 62.4#

57 28.4 15.4 23.0#

100 9.8 11.2 16.8#





#53

Chlorobenzene

Concen: 4.711 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017679.D

Acq: 27 Jul 2020 15:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	112	Resp:	150533
Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.2	43.2
77	58.7	45.6	68.4

