

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018521.D
 Acq On : 29 Sep 2020 17:06
 Operator : SY/MD
 Sample : L4109-19ME
 Misc : 6.45g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z0ME

Quant Time: Sep 30 01:51:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:47:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	397140	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	388445	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	207574	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	98079	42.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.22%
7) Chloroethane-d5	1.58	69	72760	37.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.56%
11) 1,1-Dichloroethene-d2	2.10	63	143549	30.25	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.50%
21) 2-Butanone-d5	3.93	46	133925	77.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.09%
24) Chloroform-d	4.37	84	214959	42.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.36%
26) 1,2-Dichloroethane-d4	5.05	65	148613	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
32) Benzene-d6	5.07	84	448339	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
36) 1,2-Dichloropropane-d6	6.09	67	138760	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.34%
41) Toluene-d8	7.34	98	428216	46.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.52%
43) trans-1,3-Dichloropropene-	7.64	79	72950	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.84%
47) 2-Hexanone-d5	8.14	63	102801	91.04	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.04%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	171677	43.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	190825	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

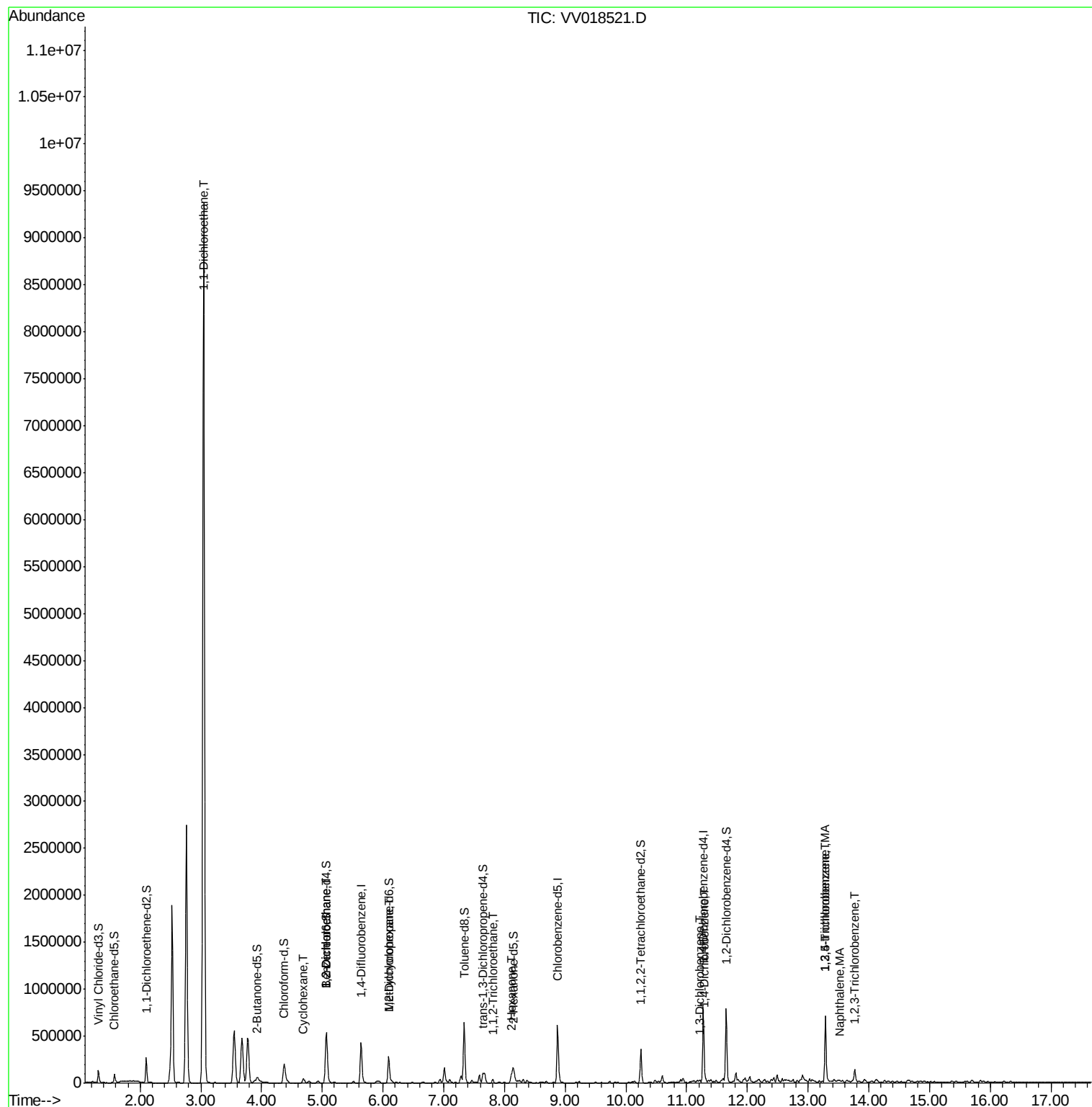
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
19) 1,1-Dichloroethane	3.04	63	15578	3.136	ug/L #	1
27) 1,2-Dichloroethane	5.06	62	2888	0.706	ug/L	97
29) Cyclohexane	4.69	56	20290	4.580	ug/L	89
35) Methylcyclohexane	6.09	83	34604	7.743	ug/L #	19
45) 1,1,2-Trichloroethane	7.81	97	12973	4.476	ug/L #	19
48) 2-Hexanone	8.10	43	13247	4.494	ug/L #	38
62) 1,3-Dichlorobenzene	11.21	146	4687	0.698	ug/L #	85
63) 1,4-Dichlorobenzene	11.30	146	15938	2.304	ug/L	87
67) 1,3,5-Trichlorobenzene	13.29	180	193312	41.543	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	193312	44.644	ug/L	98
69) Naphthalene	13.53	128	7558	0.610	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.77	180	41256	9.491	ug/L #	96

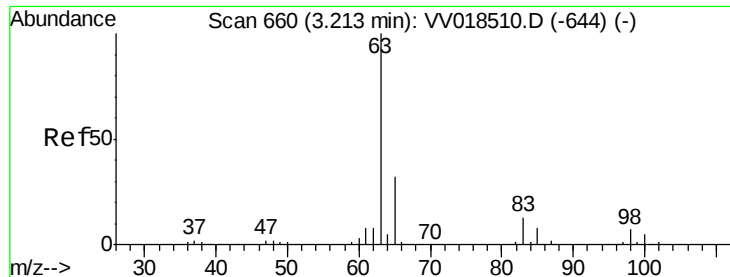
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 3.136 ug/L

RT: 3.04 min Scan# 607

Delta R.T. -0.17 min

Lab File: VV018521.D

Acq: 29 Sep 2020 17:06

Instrument :

MSVOA_V

ClientSampleId :

BG3Z0ME

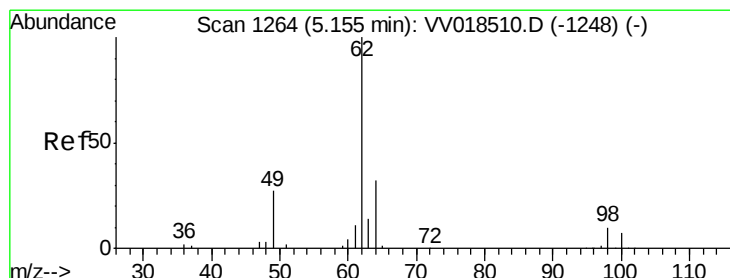
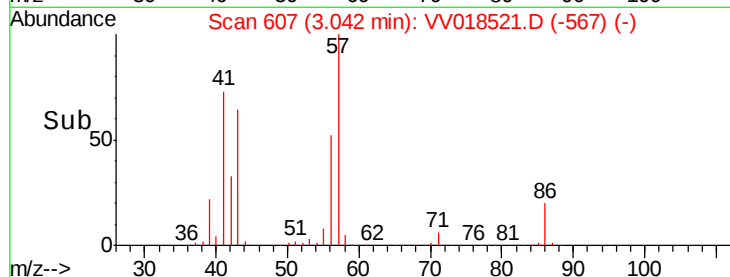
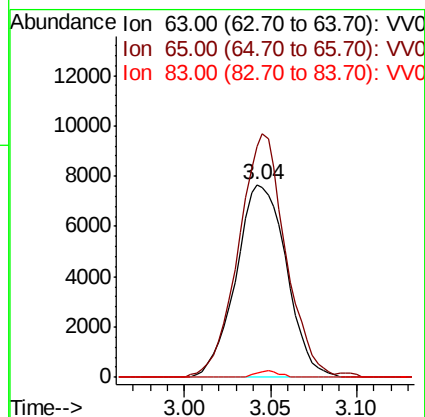
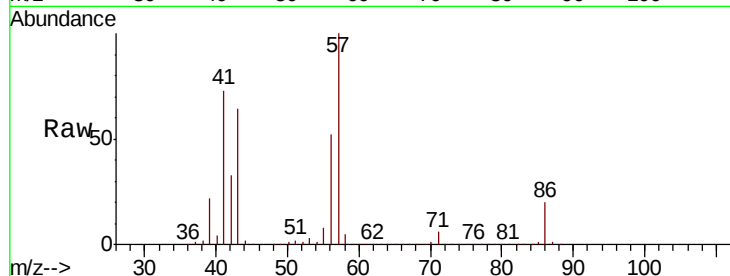
Tot Ion: 63 Resp: 15578

Ion Ratio Lower Upper

63 100

65 119.8 22.3 41.3#

83 2.3 9.3 17.3#



#27

1,2-Dichloroethane

Concen: 0.706 ug/L

RT: 5.06 min Scan# 1236

Delta R.T. -0.09 min

Lab File: VV018521.D

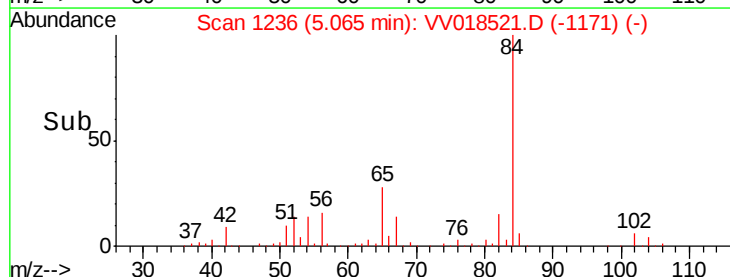
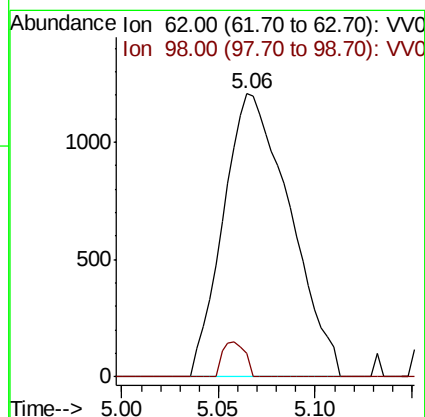
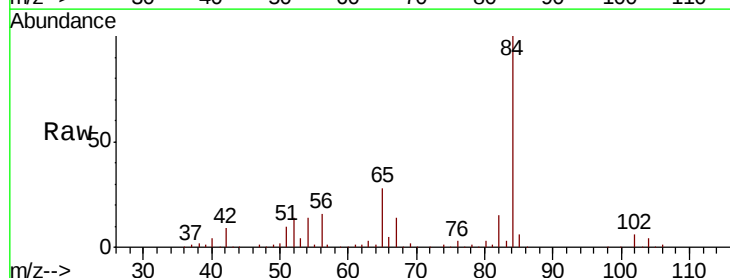
Acq: 29 Sep 2020 17:06

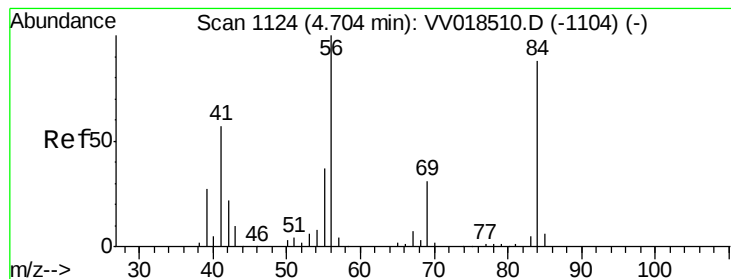
Tgt Ion: 62 Resp: 2888

Ion Ratio Lower Upper

62 100

98 8.4 7.7 11.5





#29

Cyclohexane

Concen: 4.580 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VV018521.D

Acq: 29 Sep 2020 17:06

Instrument :

MSVOA_V

ClientSampleId :

BG3Z0ME

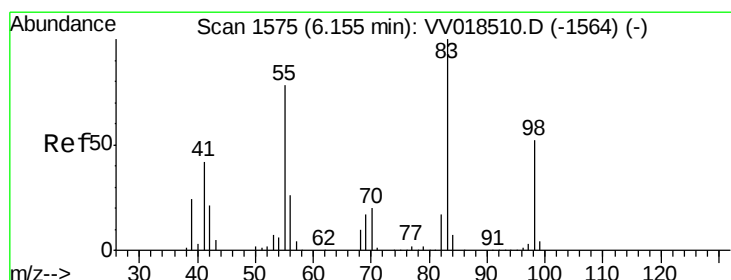
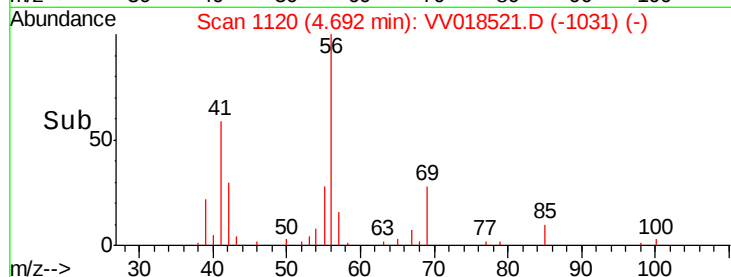
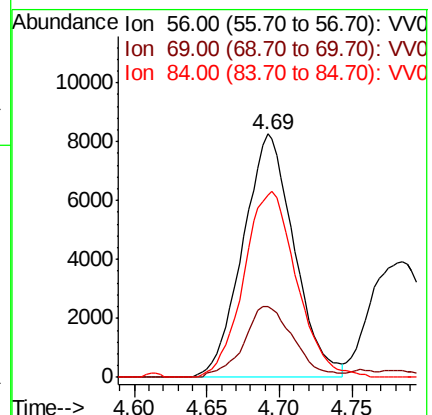
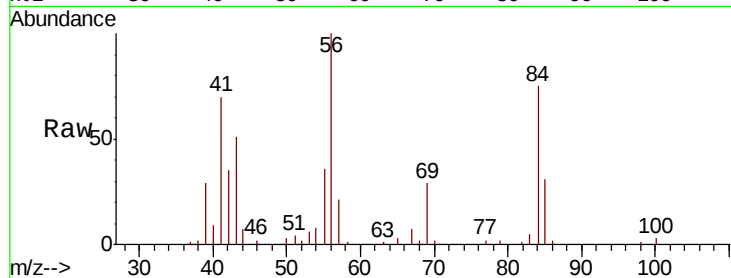
Tot Ion: 56 Resp: 20290

Ion Ratio Lower Upper

56 100

69 28.5 24.8 37.2

84 78.2 72.2 108.4



#35

Methylcyclohexane

Concen: 7.743 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018521.D

Acq: 29 Sep 2020 17:06

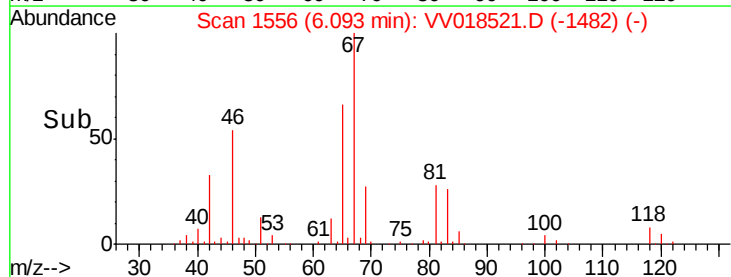
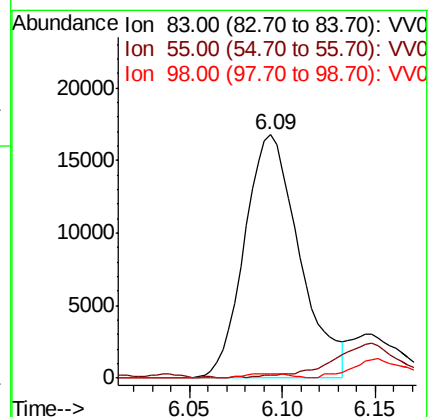
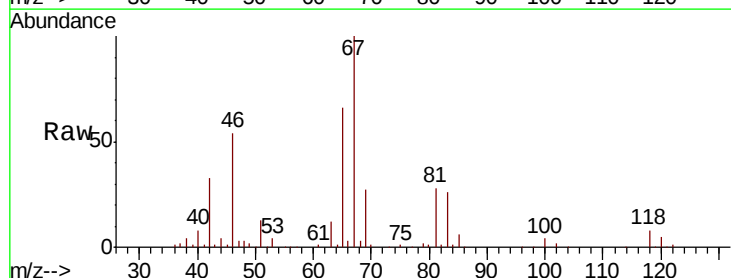
Tgt Ion: 83 Resp: 34604

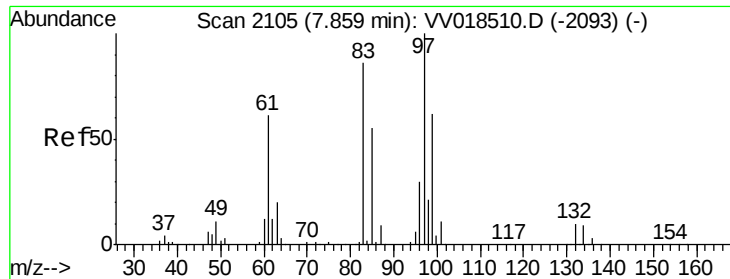
Ion Ratio Lower Upper

83 100

55 0.1 60.1 90.1#

98 1.5 40.2 60.4#

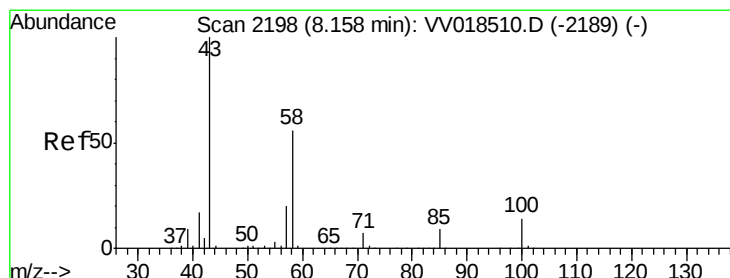
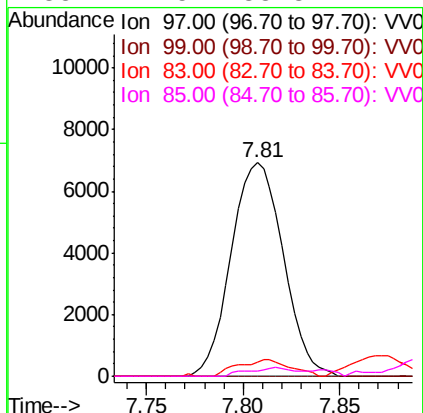
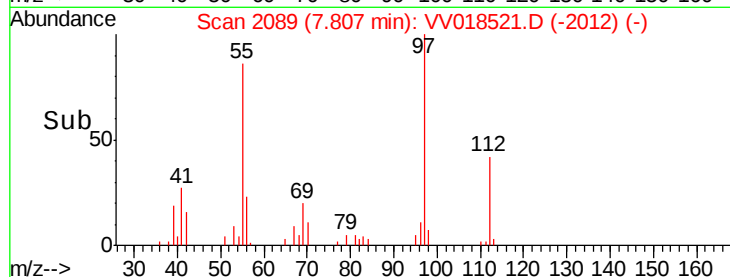
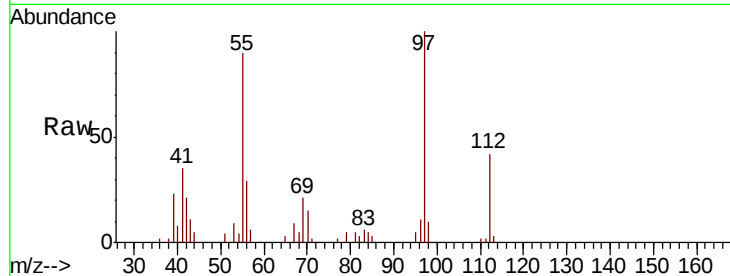




#45
 1,1,2-Trichloroethane
 Concen: 4.476 ug/L
 RT: 7.81 min Scan# 2089
 Delta R.T. -0.05 min
 Lab File: VV018521.D
 Acq: 29 Sep 2020 17:06

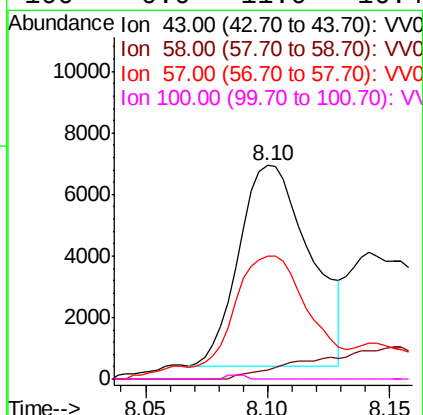
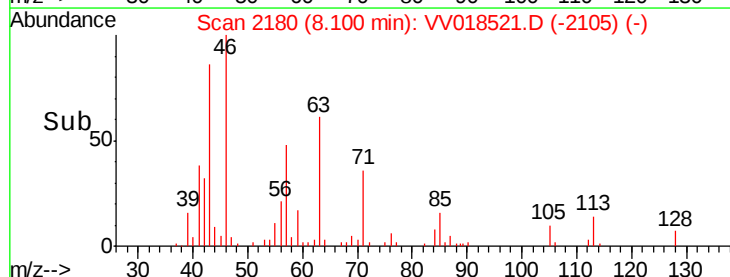
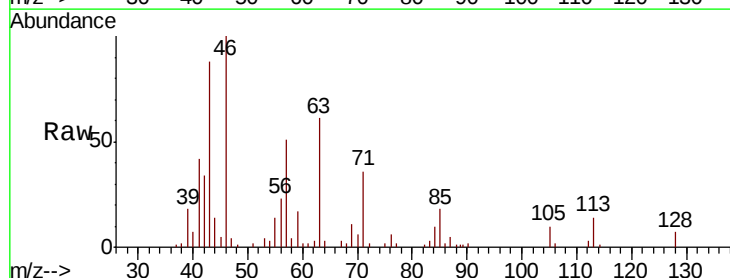
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z0ME

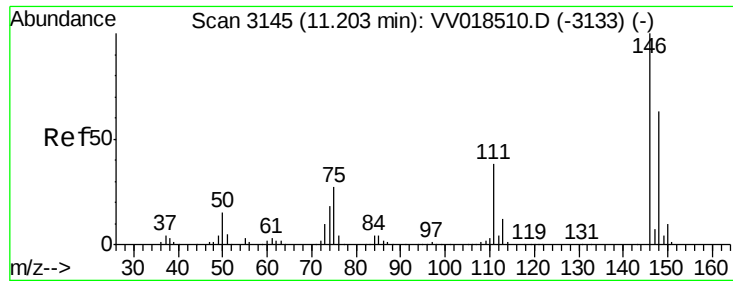
Tot Ion:	97	Resp:	12973
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.3	80.3#
83	6.5	60.5	112.5#
85	2.5	38.3	71.1#



#48
 2-Hexanone
 Concen: 4.494 ug/L
 RT: 8.10 min Scan# 2180
 Delta R.T. -0.06 min
 Lab File: VV018521.D
 Acq: 29 Sep 2020 17:06

Tgt Ion:	43	Resp:	13247
Ion	Ratio	Lower	Upper
43	100		
58	9.0	45.1	67.7#
57	54.2	15.7	23.5#
100	0.0	11.0	16.4#





#62

1,3-Dichlorobenzene

Concen: 0.698 ug/L

RT: 11.21 min Scan# 3148

Delta R.T. 0.01 min

Lab File: VV018521.D

Acq: 29 Sep 2020 17:06

Instrument :

MSVOA_V

ClientSampleId :

BG3Z0ME

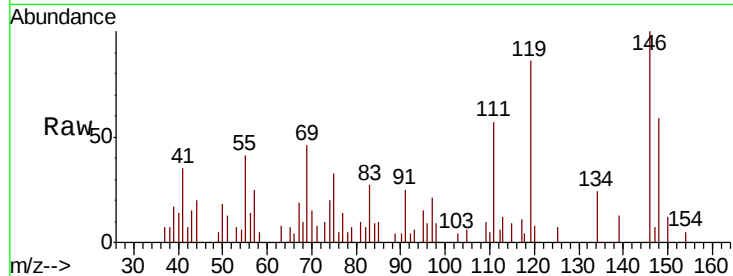
Tot Ion:146 Resp: 4687

Ion Ratio Lower Upper

146 100

111 57.1 26.8 49.8#

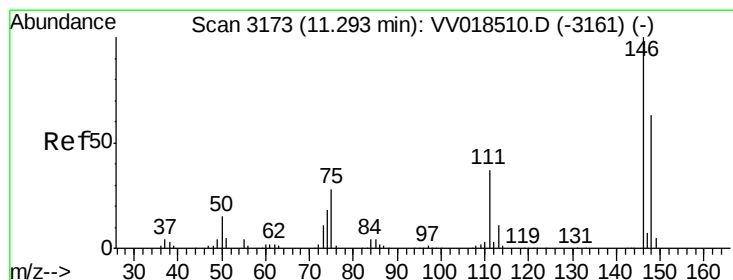
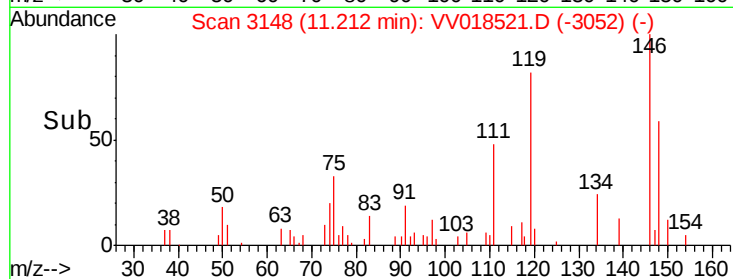
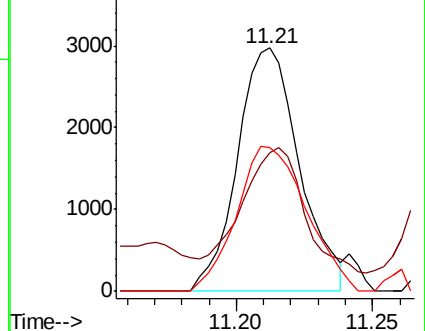
148 59.1 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2.304 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VV018521.D

Acq: 29 Sep 2020 17:06

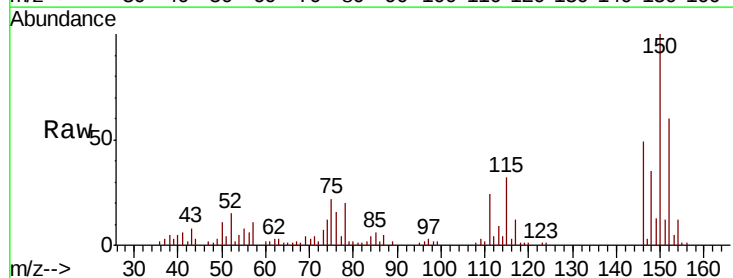
Tgt Ion:146 Resp: 15938

Ion Ratio Lower Upper

146 100

111 48.2 26.2 48.6

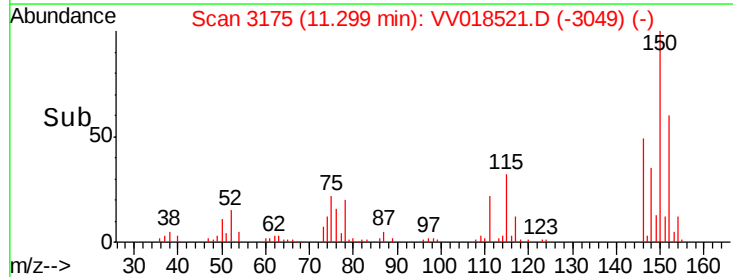
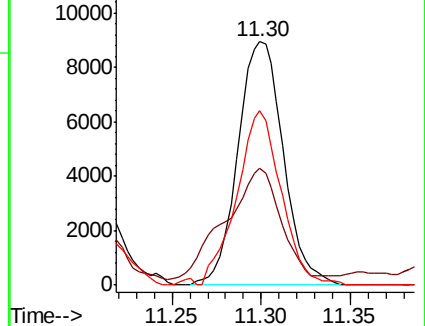
148 71.6 44.4 82.5

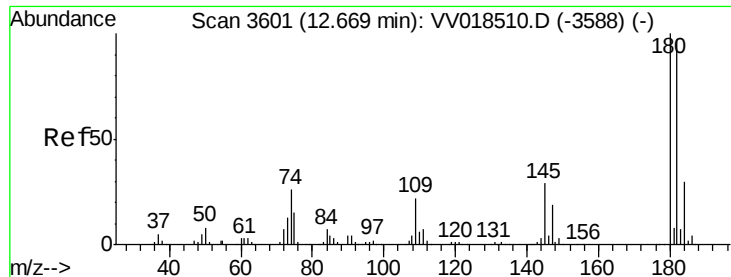


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

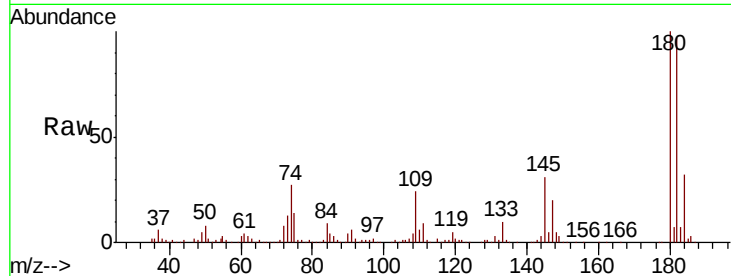




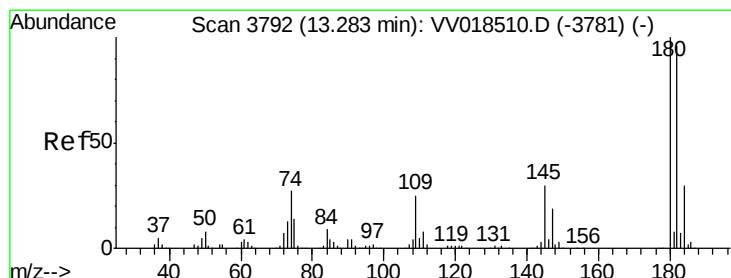
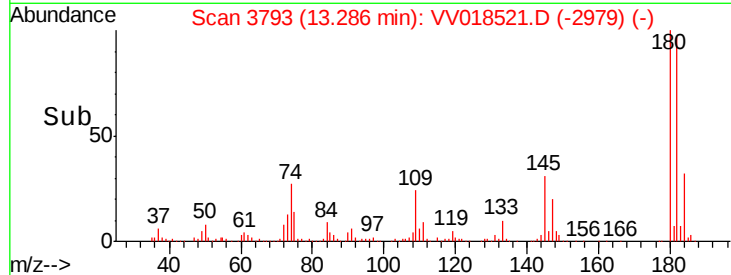
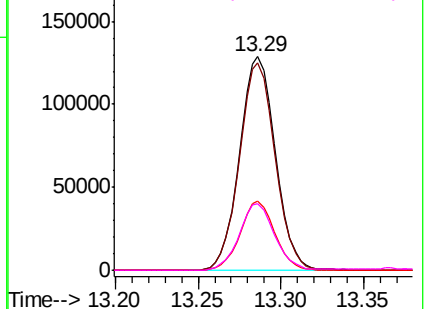
#67
 1,3,5-Trichlorobenzene
 Concen: 41.543 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV018521.D
 Acq: 29 Sep 2020 17:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z0ME

Tot Ion:180	Resp:	193312
Ion Ratio	Lower	Upper
180	100	
182	97.0	77.1 115.7
184	31.2	24.3 36.5
145	30.3	22.9 34.3

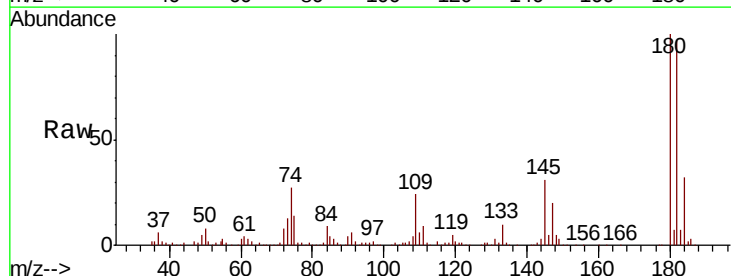


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

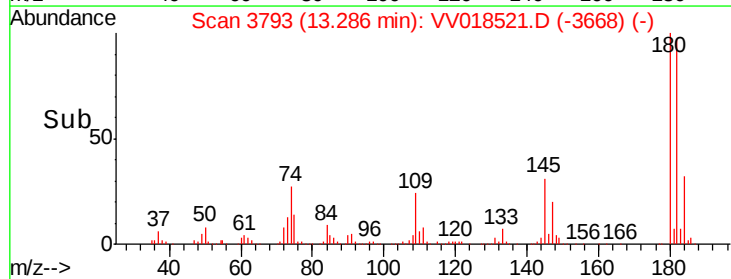
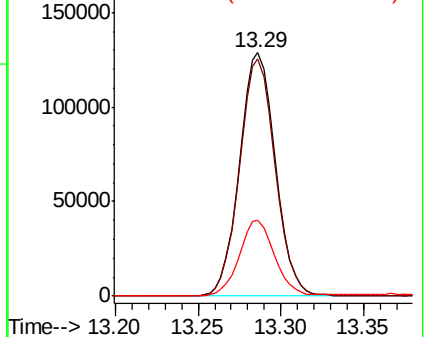


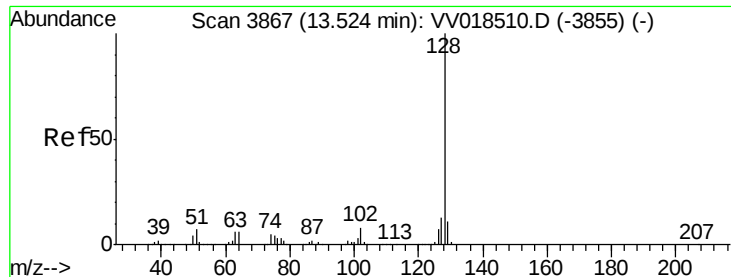
#68
 1,2,4-trichlorobenzene
 Concen: 44.644 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018521.D
 Acq: 29 Sep 2020 17:06

Tgt Ion:180	Resp:	193312
Ion Ratio	Lower	Upper
180	100	
182	97.0	76.3 114.5
145	30.3	23.6 35.4



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: 0.610 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV018521.D

Acq: 29 Sep 2020 17:06

Instrument :

MSVOA_V

ClientSampleId :

BG3Z0ME

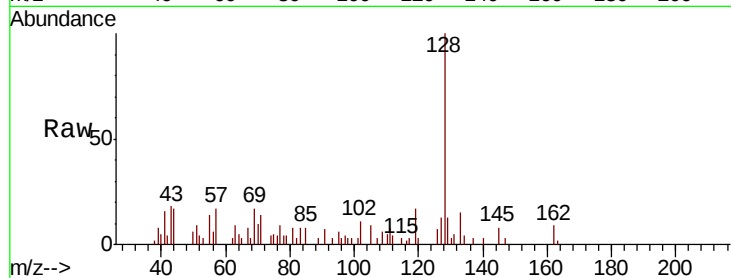
Tot Ion:128 Resp: 7558

Ion Ratio Lower Upper

128 100

127 15.1 10.3 15.5

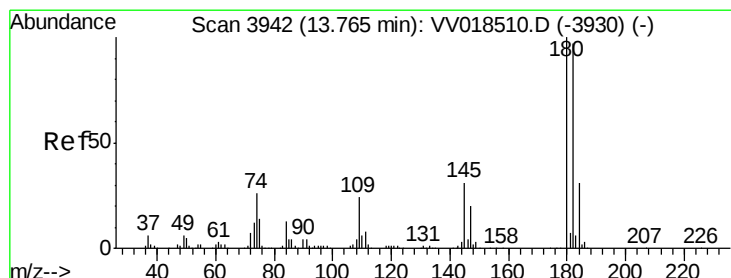
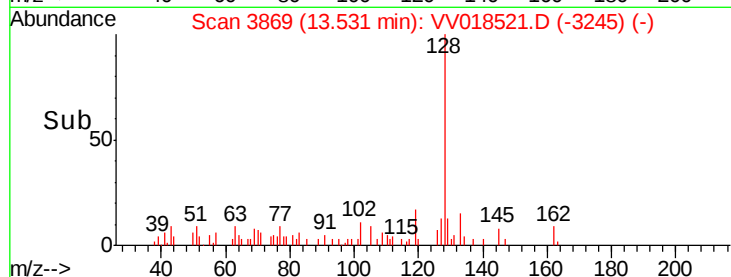
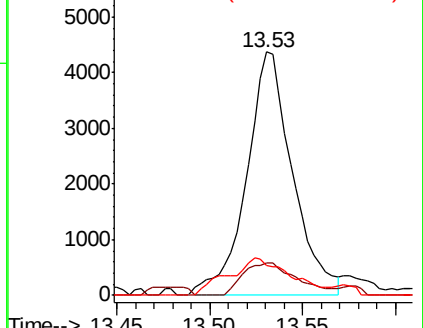
129 16.3 8.6 12.8#



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: 9.491 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018521.D

Acq: 29 Sep 2020 17:06

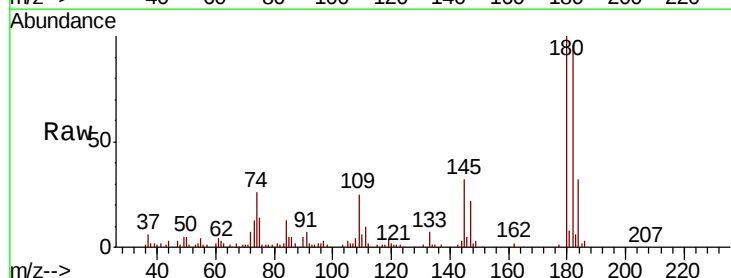
Tgt Ion:180 Resp: 41256

Ion Ratio Lower Upper

180 100

182 97.3 77.1 115.7

145 39.6 25.1 37.7#



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

