

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\
 Data File : VV018486.D
 Acq On : 28 Sep 2020 12:18
 Operator : SY/MD
 Sample : L4109-19ME
 Misc : 6.45g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z0ME

Quant Time: Sep 29 00:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 00:50:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	368049	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	363133	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	186855	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	121532	40.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.04%
7) Chloroethane-d5	1.58	69	94502	38.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.00%
11) 1,1-Dichloroethene-d2	2.10	63	162232	29.49	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.98%#
21) 2-Butanone-d5	3.94	46	156502	85.25	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.25%
24) Chloroform-d	4.37	84	215389	41.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.78%
26) 1,2-Dichloroethane-d4	5.05	65	141632	42.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.92%
32) Benzene-d6	5.07	84	456285	43.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.78%
36) 1,2-Dichloropropane-d6	6.09	67	146859	44.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.92%
41) Toluene-d8	7.34	98	417351	44.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.10%
43) trans-1,3-Dichloropropene-	7.65	79	73213	43.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.24%
47) 2-Hexanone-d5	8.15	63	112284	89.74	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.74%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	180639	43.57	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	178126	46.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.84%

Target Compounds

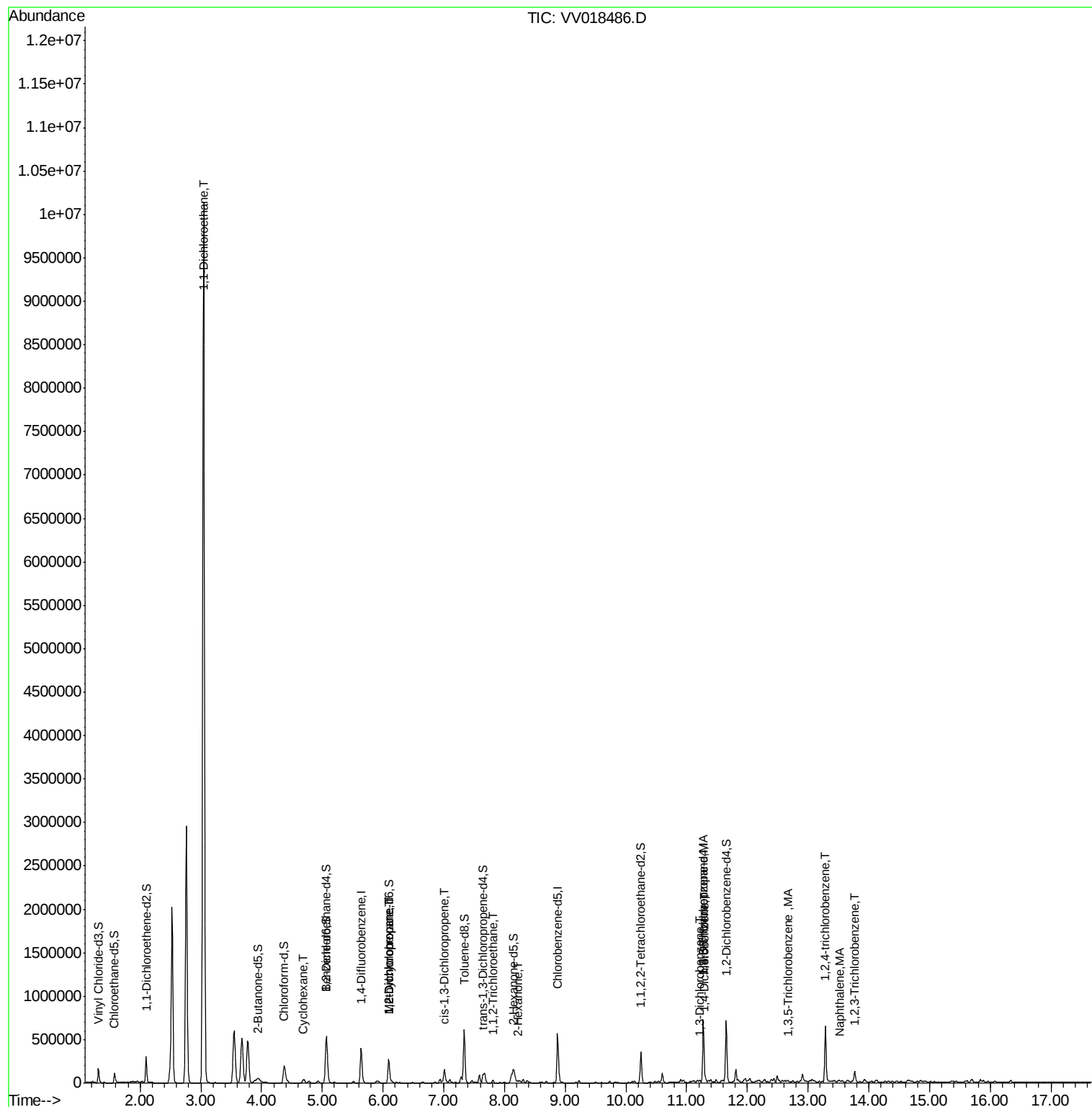
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
19) 1,1-Dichloroethane	3.05	63	15301	3.249	ug/L #	1
29) Cyclohexane	4.69	56	20956	4.998	ug/L	93
35) Methylcyclohexane	6.09	83	34888	8.193	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	15160	5.510	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	3787	0.893	ug/L #	53
45) 1,1,2-Trichloroethane	7.81	97	13695	5.371	ug/L #	20
48) 2-Hexanone	8.22	43	5239	1.991	ug/L #	1
59) 1,2,3-Trichloropropane	11.27	75	25132	7.767	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	4616	0.831	ug/L #	92
63) 1,4-Dichlorobenzene	11.30	146	14792	2.590	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	3543	0.809	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	191592	49.118	ug/L	98
69) Naphthalene	13.53	128	6978	0.707	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.77	180	40896	10.645	ug/L #	96

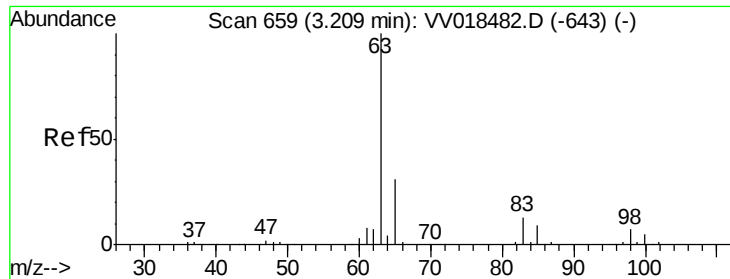
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 29 00:52:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 29 00:50:40 2020
Response via : Initial Calibration

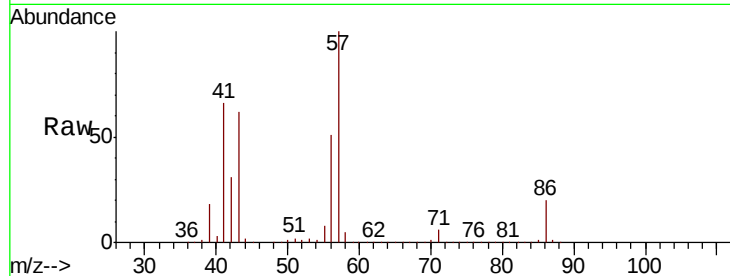




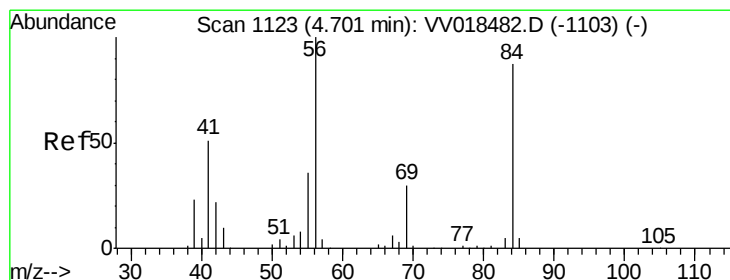
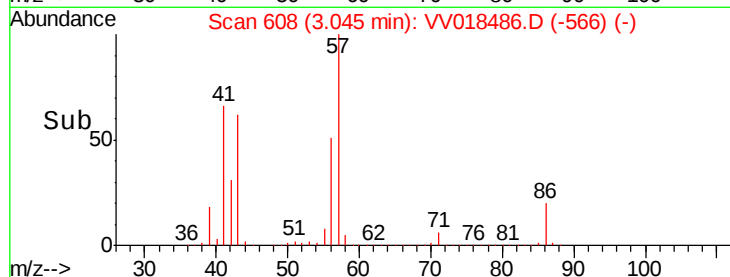
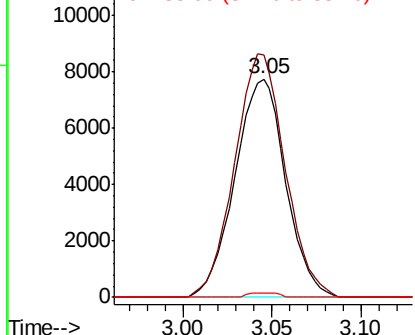
#19
 1,1-Dichloroethane
 Concen: 3.249 ug/L
 RT: 3.05 min Scan# 608
 Delta R.T. -0.16 min
 Lab File: VV018486.D
 Acq: 28 Sep 2020 12:18

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z0ME

Tot Ion: 63 Resp: 15301
 Ion Ratio Lower Upper
 63 100
 65 111.2 22.5 41.7#
 83 2.0 9.3 17.3#

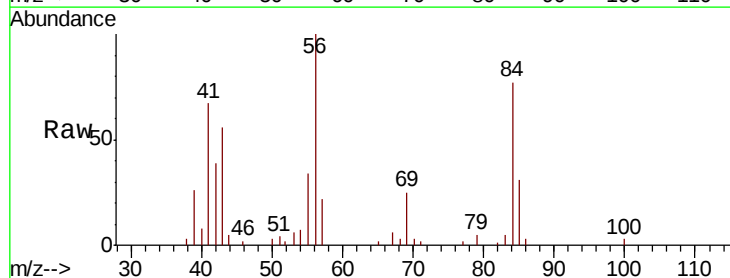


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

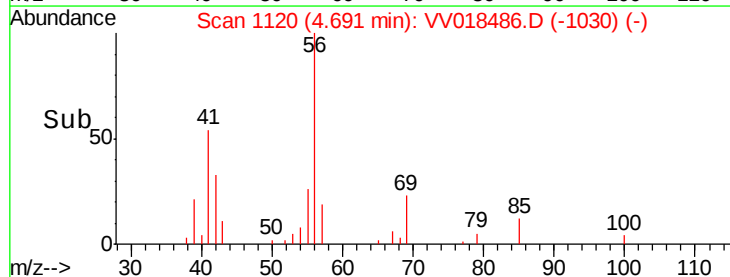
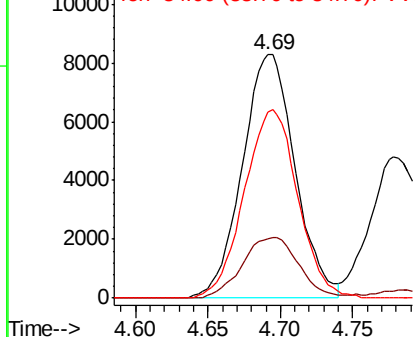


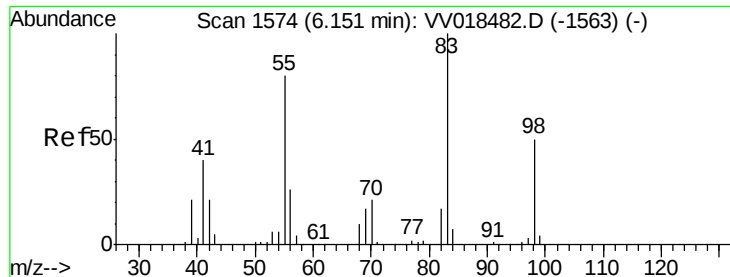
#29
 Cyclohexane
 Concen: 4.998 ug/L
 RT: 4.69 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: VV018486.D
 Acq: 28 Sep 2020 12:18

Tgt Ion: 56 Resp: 20956
 Ion Ratio Lower Upper
 56 100
 69 26.6 24.2 36.2
 84 78.5 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV0
 Ion 69.00 (68.70 to 69.70): VV0
 Ion 84.00 (83.70 to 84.70): VV0





#35

Methylcyclohexane

Concen: 8.193 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018486.D

Acq: 28 Sep 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

BG3Z0ME

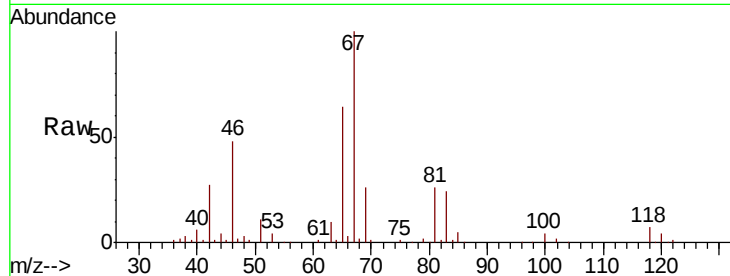
Tot Ion: 83 Resp: 34888

Ion Ratio Lower Upper

83 100

55 0.7 63.4 95.2#

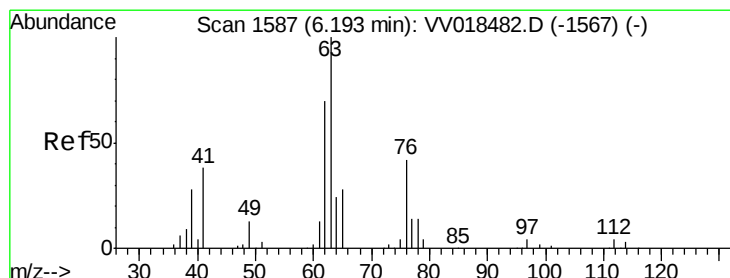
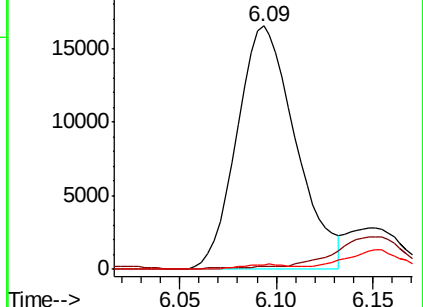
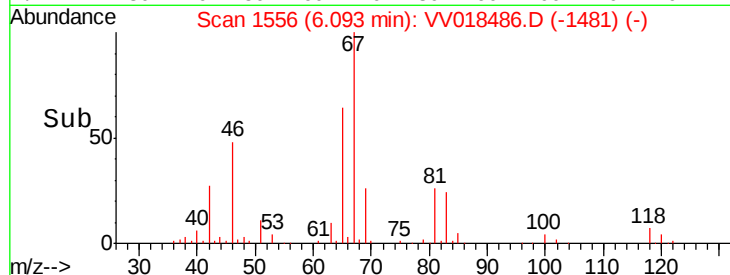
98 0.6 38.8 58.2#



Abundance Ion 83.00 (82.70 to 83.70): VV018486.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VV018486.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VV018486.D (-1556) (-)



#37

1,2-Dichloropropane

Concen: 5.510 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018486.D

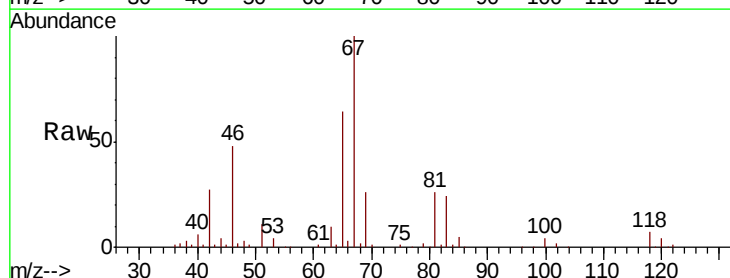
Acq: 28 Sep 2020 12:18

Tgt Ion: 63 Resp: 15160

Ion Ratio Lower Upper

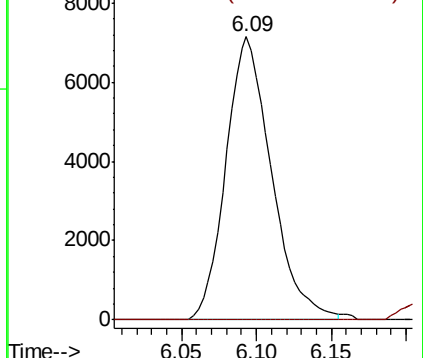
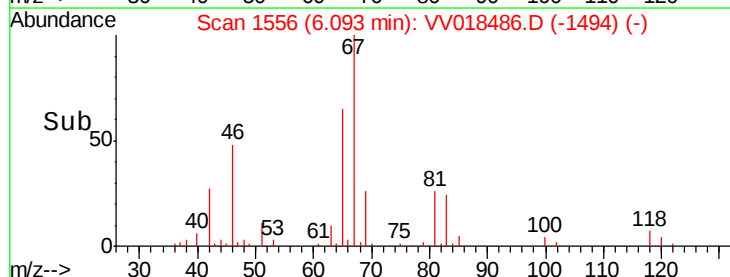
63 100

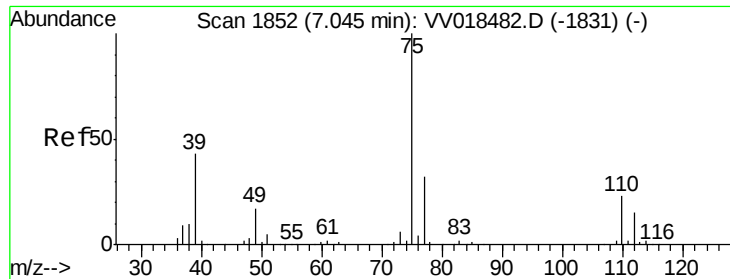
112 8.1 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV018486.D (-1587) (-)

Ion 112.00 (111.70 to 112.70): VV018486.D (-1587) (-)

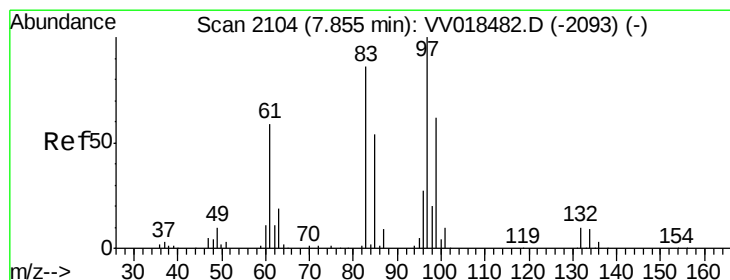
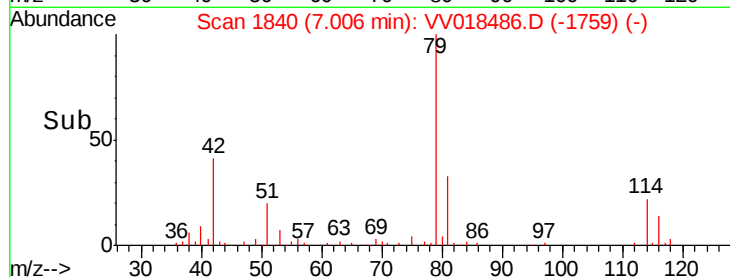
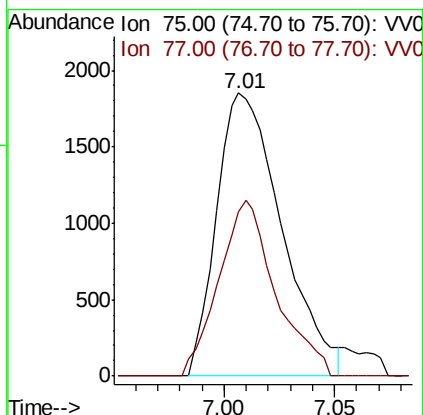
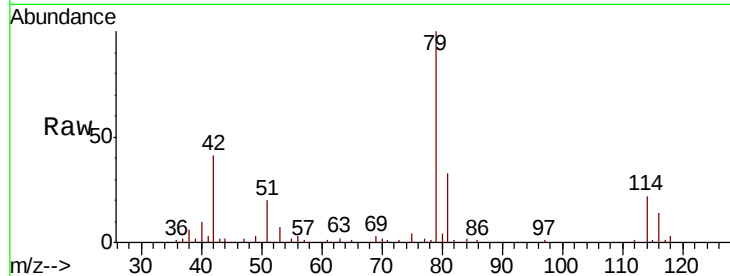




#39
 cis-1,3-Dichloropropene
 Concen: 0.893 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018486.D
 Acq: 28 Sep 2020 12:18

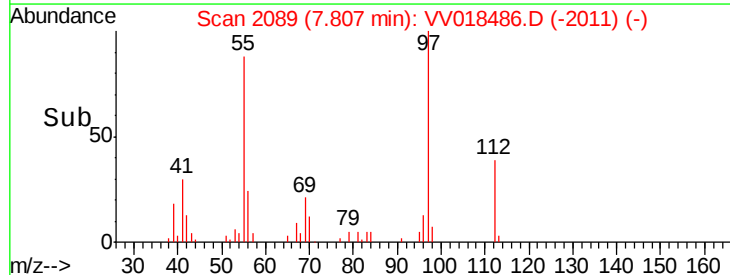
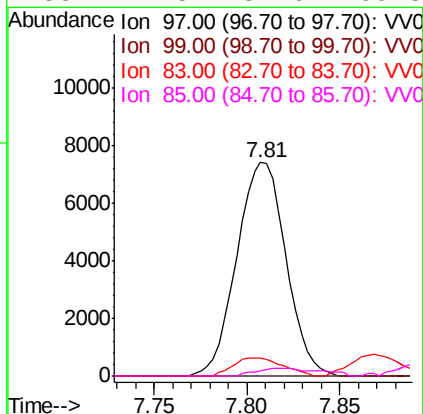
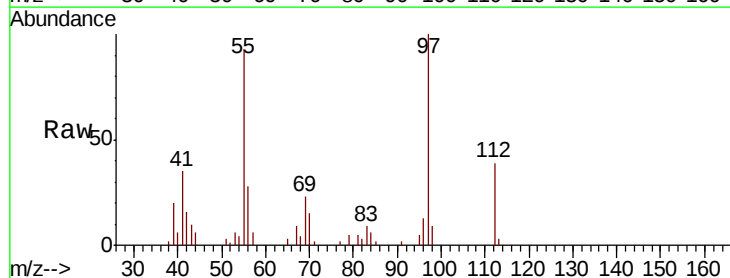
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z0ME

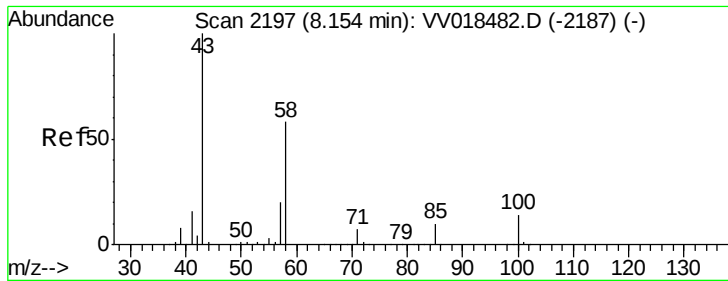
Tot Ion: 75 Resp: 3787
 Ion Ratio Lower Upper
 75 100
 77 58.0 22.3 41.3#



#45
 1,1,2-Trichloroethane
 Concen: 5.371 ug/L
 RT: 7.81 min Scan# 2089
 Delta R.T. -0.05 min
 Lab File: VV018486.D
 Acq: 28 Sep 2020 12:18

Tgt Ion: 97 Resp: 13695
 Ion Ratio Lower Upper
 97 100
 99 0.0 43.7 81.1#
 83 8.6 59.9 111.3#
 85 2.5 37.6 69.8#

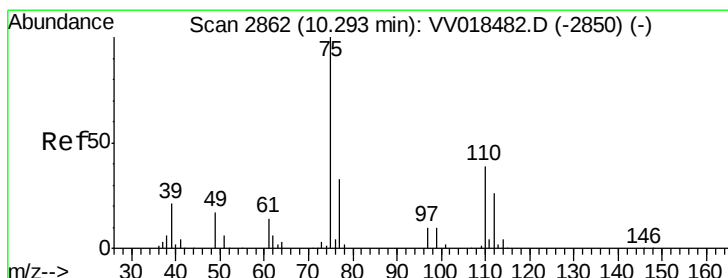
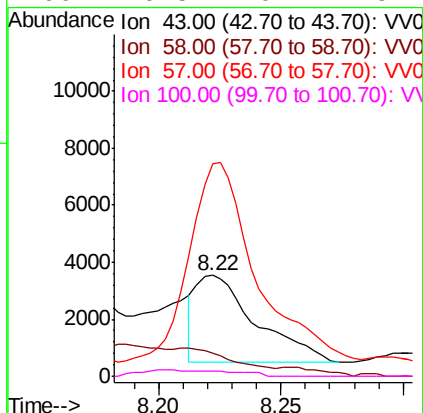
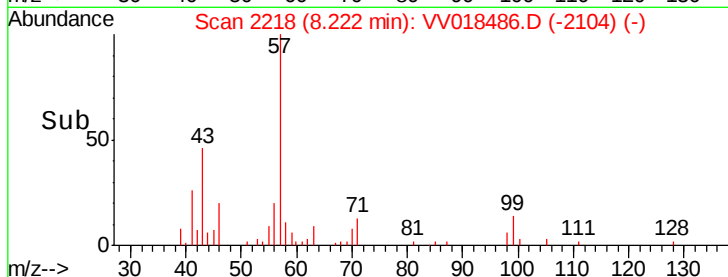
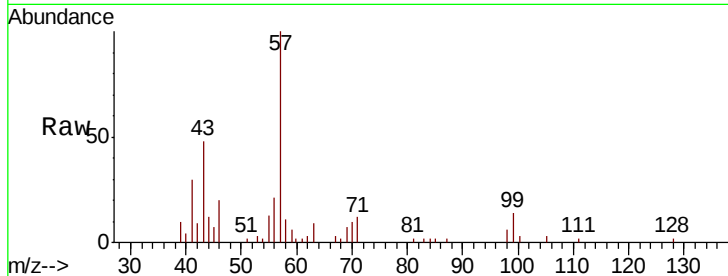




#48
 2-Hexanone
 Concen: 1.991 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.07 min
 Lab File: VV018486.D
 Acq: 28 Sep 2020 12:18

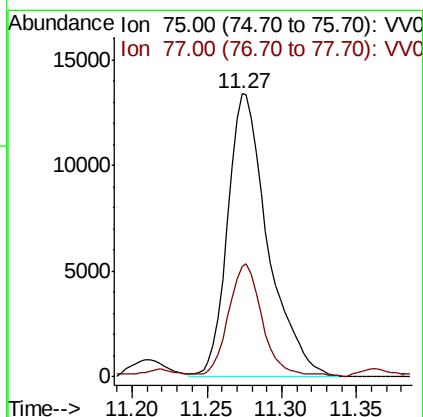
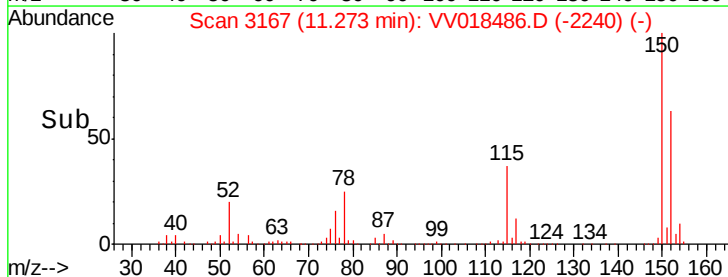
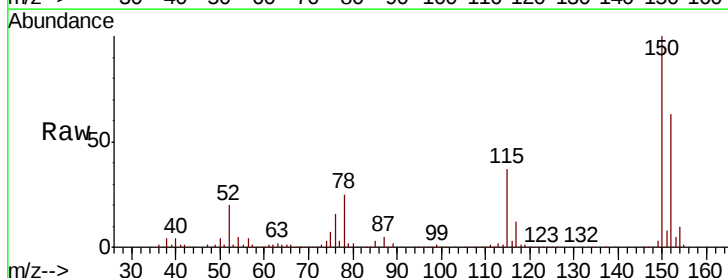
Instrument :
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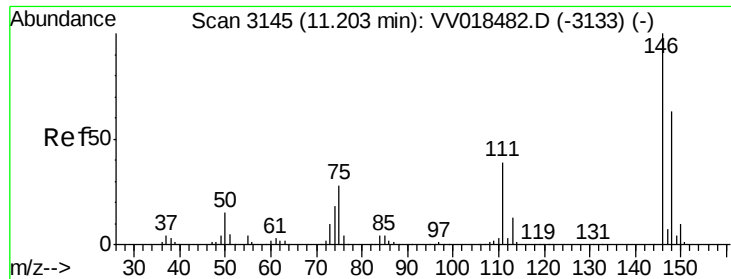
Tot Ion: 43 Resp: 5239
 Ion Ratio Lower Upper
 43 100
 58 13.4 44.8 67.2#
 57 254.9 15.8 23.6#
 100 6.5 10.2 15.4#



#59
 1,2,3-Trichloropropane
 Concen: 7.767 ug/L
 RT: 11.27 min Scan# 3167
 Delta R.T. 0.98 min
 Lab File: VV018486.D
 Acq: 28 Sep 2020 12:18

Tgt Ion: 75 Resp: 25132
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6





#62

1,3-Dichlorobenzene

Concen: 0.831 ug/L

RT: 11.21 min Scan# 3148

Delta R.T. 0.01 min

Lab File: VV018486.D

Acq: 28 Sep 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

BG3Z0ME

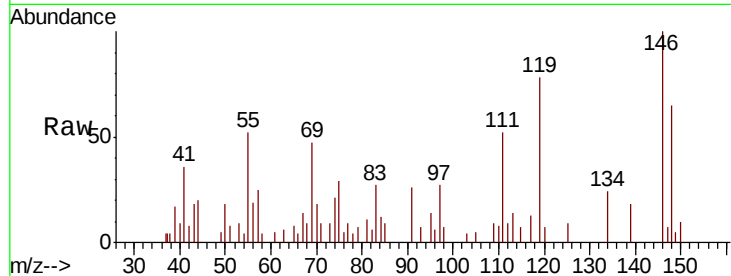
Tot Ion:146 Resp: 4616

Ion Ratio Lower Upper

146 100

111 51.7 27.6 51.2#

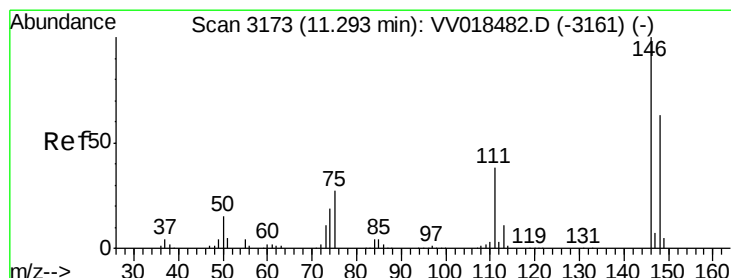
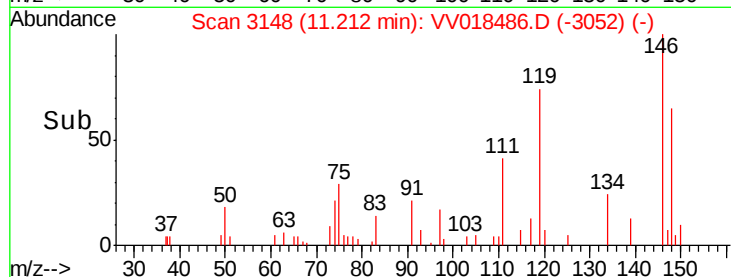
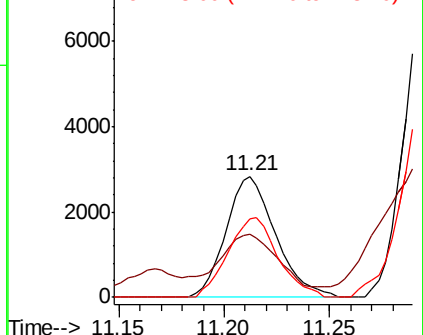
148 65.4 45.4 84.2



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: 2.590 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VV018486.D

Acq: 28 Sep 2020 12:18

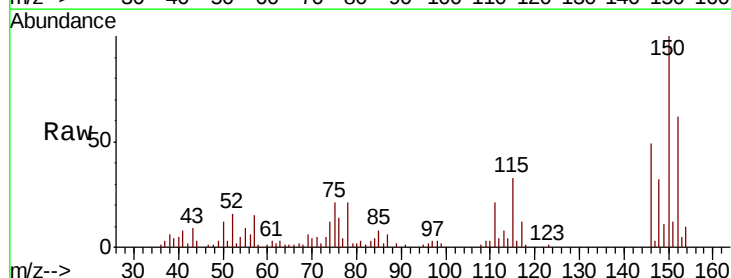
Tgt Ion:146 Resp: 14792

Ion Ratio Lower Upper

146 100

111 43.4 27.1 50.3

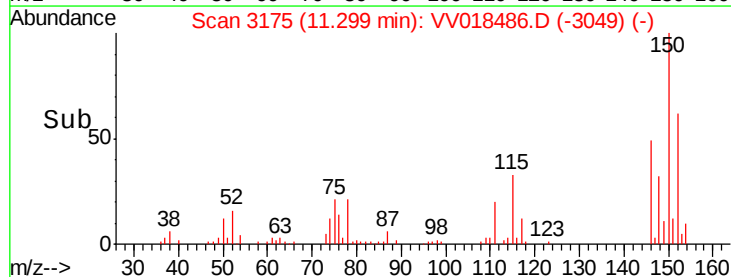
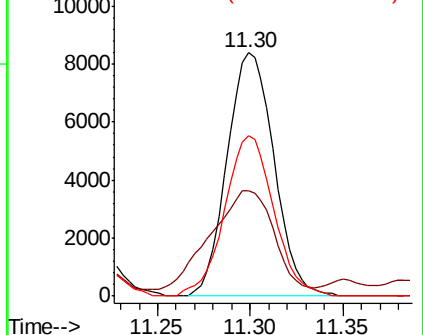
148 65.8 45.4 84.2

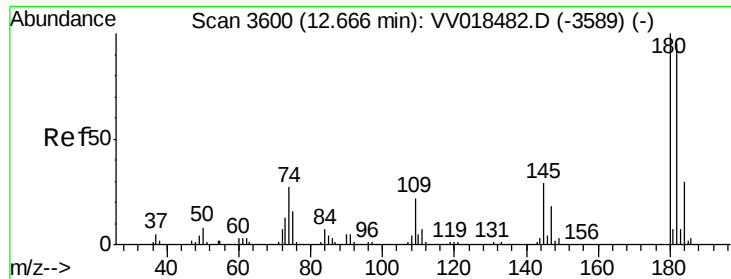


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

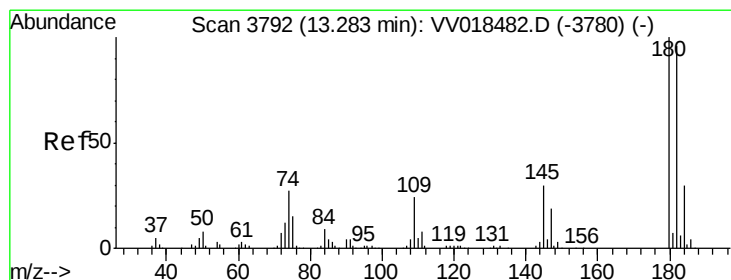
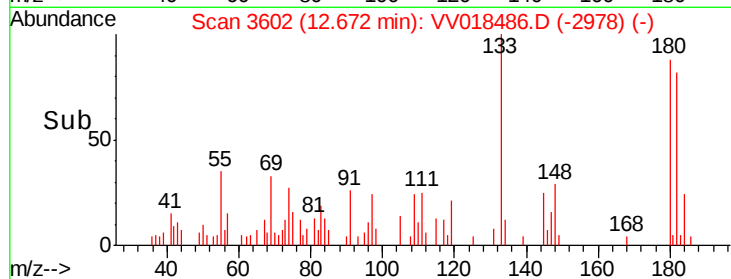
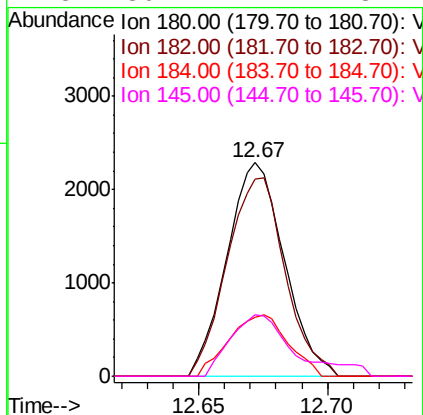
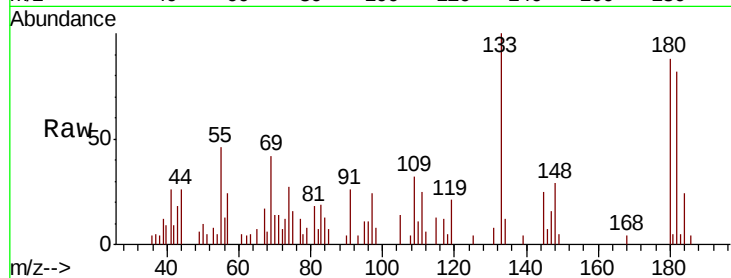




#67
 1,3,5-Trichlorobenzene
 Concen: 0.809 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.01 min
 Lab File: VV018486.D
 Acq: 28 Sep 2020 12:18

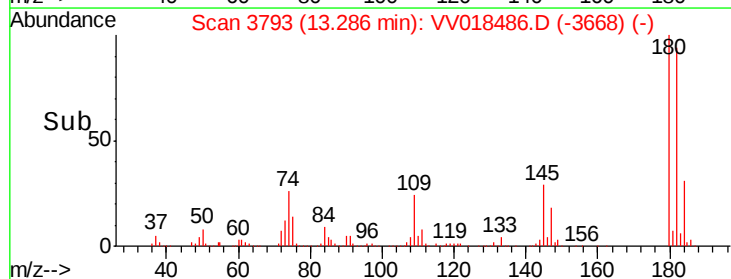
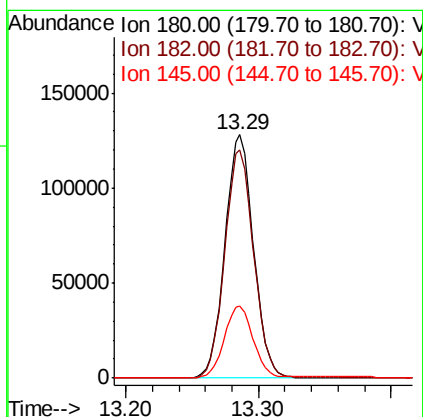
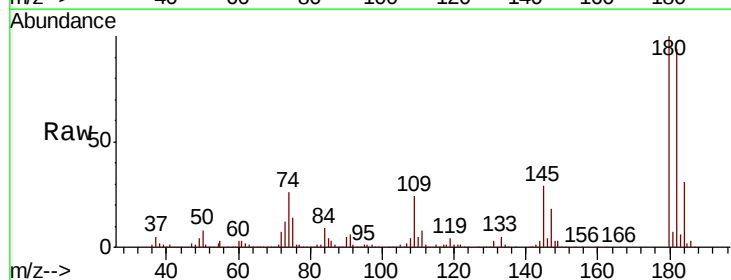
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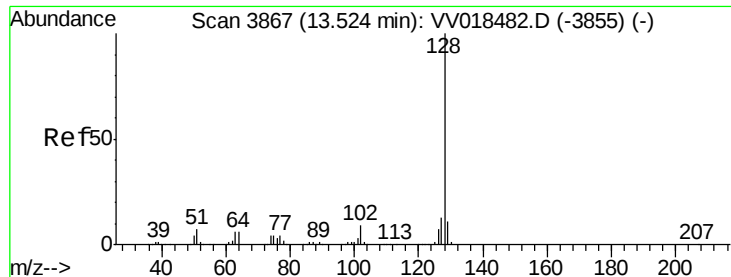
Tot Ion:180 Resp: 3543
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.8 115.2
 184 29.7 24.6 36.8
 145 30.7 22.7 34.1



#68
 1,2,4-trichlorobenzene
 Concen: 49.118 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018486.D
 Acq: 28 Sep 2020 12:18

Tgt Ion:180 Resp: 191592
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.4 116.2
 145 29.6 23.2 34.8





#69

Naphthalene

Concen: 0.707 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV018486.D

Acq: 28 Sep 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

BG3Z0ME

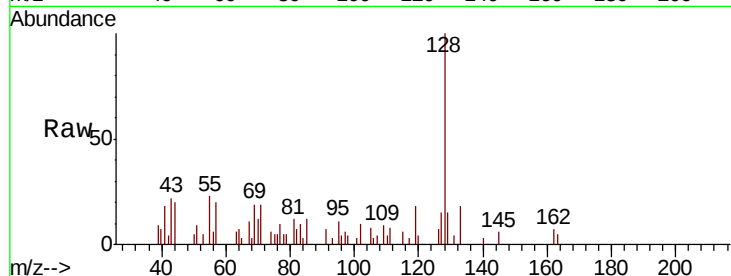
Tot Ion:128 Resp: 6978

Ion Ratio Lower Upper

128 100

127 15.0 10.6 15.8

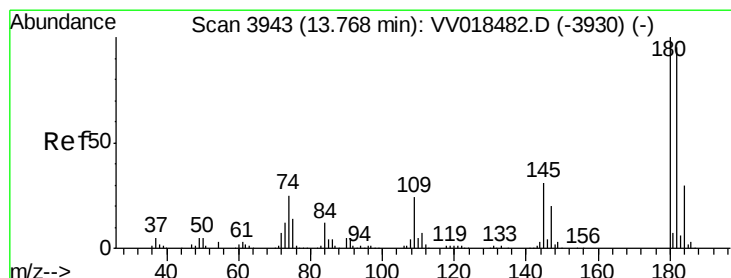
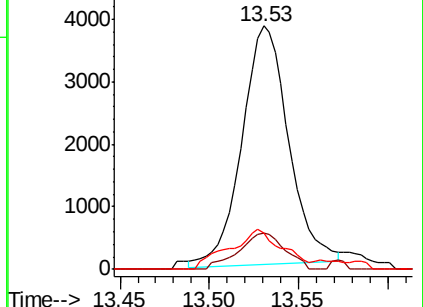
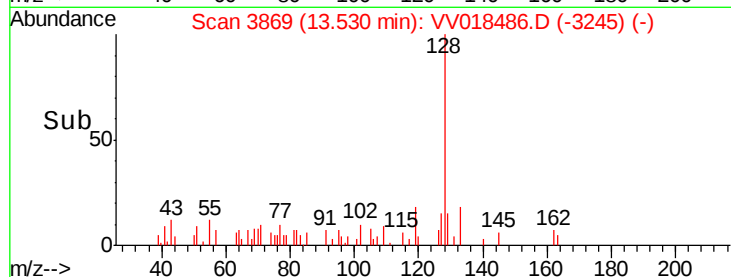
129 18.8 8.6 13.0#



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: 10.645 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018486.D

Acq: 28 Sep 2020 12:18

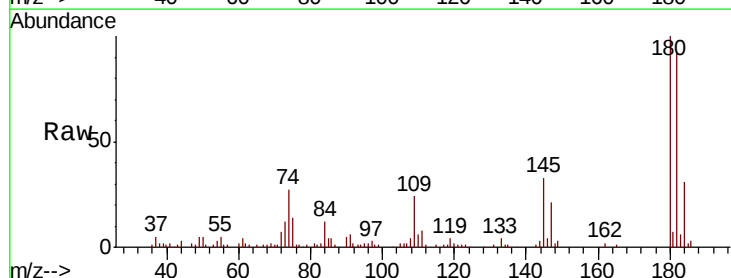
Tgt Ion:180 Resp: 40896

Ion Ratio Lower Upper

180 100

182 94.1 76.5 114.7

145 38.3 24.9 37.3#



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

