

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017576.D
 Acq On : 21 Jul 2020 20:05
 Operator : SY/MD
 Sample : L3336-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9S

Quant Time: Jul 22 03:29:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 03:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	309543	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	301706	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168132	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62453	33.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.12%
7) Chloroethane-d5	1.58	69	48079	37.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.06%
11) 1,1-Dichloroethene-d2	2.12	63	101466	26.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.38%#
21) 2-Butanone-d5	3.91	46	135801	93.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.98%
24) Chloroform-d	4.38	84	178623	41.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.34%
26) 1,2-Dichloroethane-d4	5.06	65	129936	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.42%
32) Benzene-d6	5.07	84	325346	40.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.76%
36) 1,2-Dichloropropane-d6	6.09	67	102783	42.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.00%
41) Toluene-d8	7.34	98	303146	39.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.72%#
43) trans-1,3-Dichloropropene-	7.64	79	50911	36.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.72%
47) 2-Hexanone-d5	8.11	63	109308	98.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.59%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	154499	44.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	145914	41.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	73785	31.672	ug/L	98
13) Acetone	2.19	43	6770	5.192	ug/L	76
17) trans-1,2-Dichloroethene	2.78	96	6149	2.781	ug/L	96
19) 1,1-Dichloroethane	3.22	63	4386	1.101	ug/L	96
33) Benzene	5.13	78	16001	1.804	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	3635	0.957	ug/L #	75
42) Toluene	7.41	91	20867	2.141	ug/L	90
51) Chlorobenzene	8.90	112	806522	124.699	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	4199927	743.972	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	7163196	1243.156	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	681635	119.099	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.67	75	1097	1.158	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.67	180	6006	1.348	ug/L	95
68) 1,2,4-trichlorobenzene	13.28	180	101399	25.652	ug/L	99
69) Naphthalene	13.53	128	15320	1.384	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	10816	2.735	ug/L	95

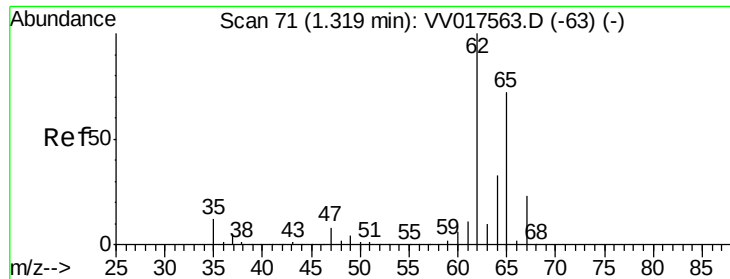
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
Data File : VV017576.D
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Quant Title : VOC Analysis
QLast Update : Wed Jul 22 03:23:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 31.672 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

Instrument :

MSVOA_V

ClientSampleId :

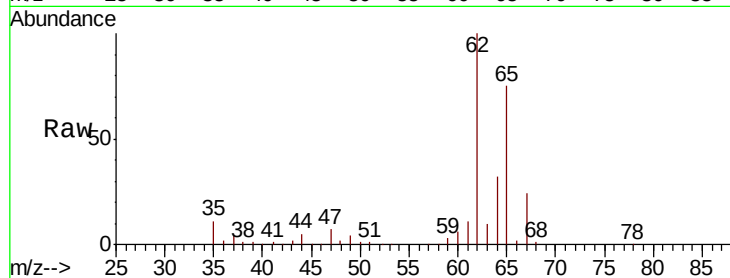
PMW-9S

Tot Ion: 62 Resp: 73785

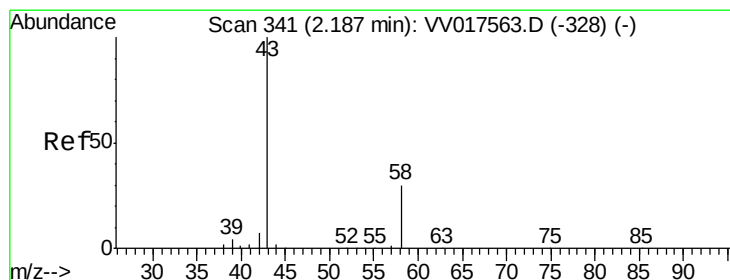
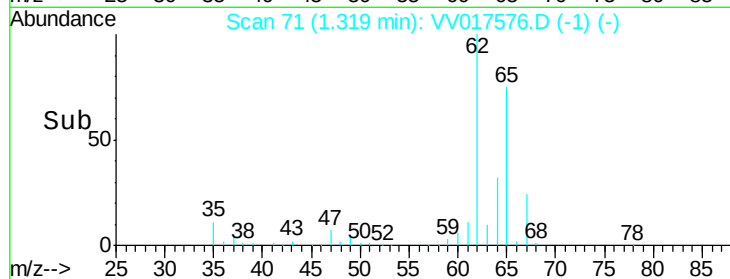
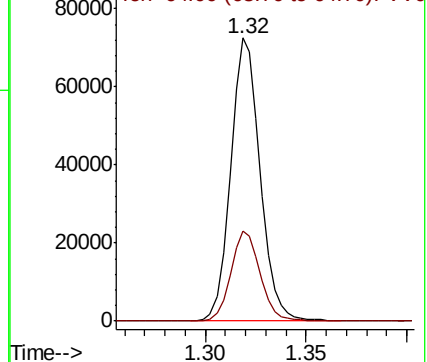
Ion Ratio Lower Upper

62 100

64 31.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV017576.D (-1) (-)



#13

Acetone

Concen: 5.192 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017576.D

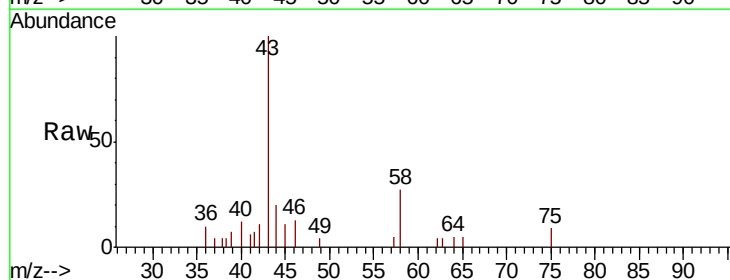
Acq: 21 Jul 2020 20:05

Tgt Ion: 43 Resp: 6770

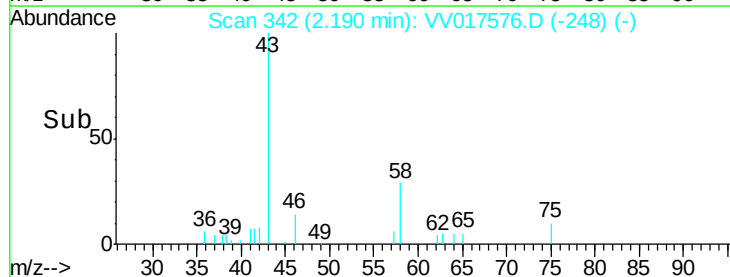
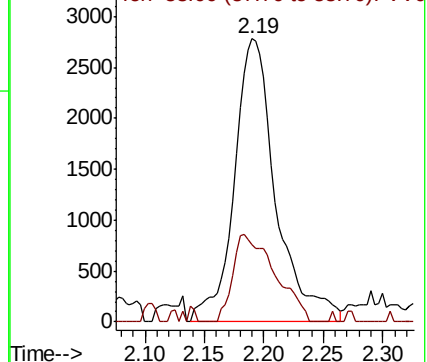
Ion Ratio Lower Upper

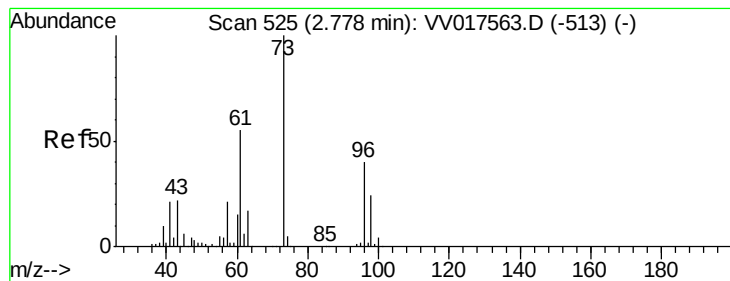
43 100

58 16.3 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV017576.D (-248) (-)





#17

trans-1,2-Dichloroethene

Concen: 2.781 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

Instrument :

MSVOA_V

ClientSampleId :

PMW-9S

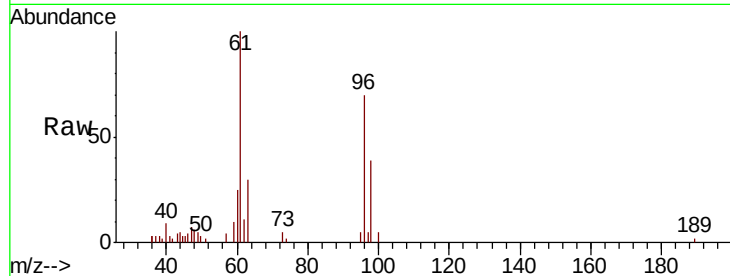
Tot Ion: 96 Resp: 6149

Ion Ratio Lower Upper

96 100

61 143.0 97.0 180.2

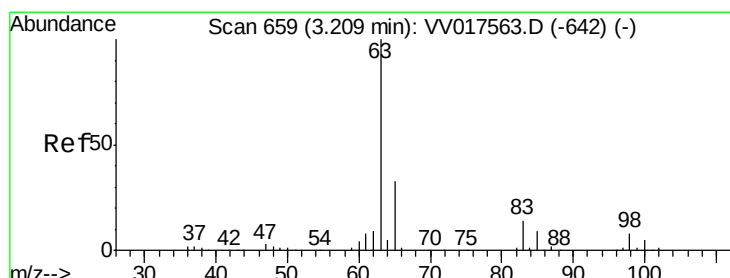
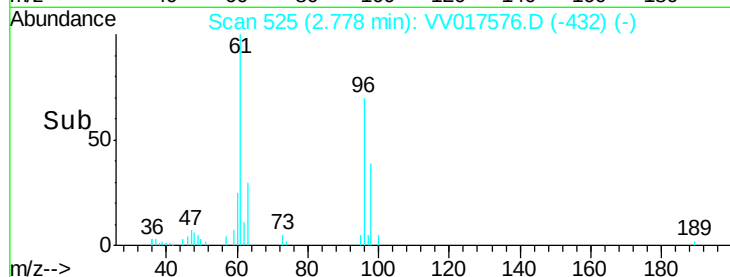
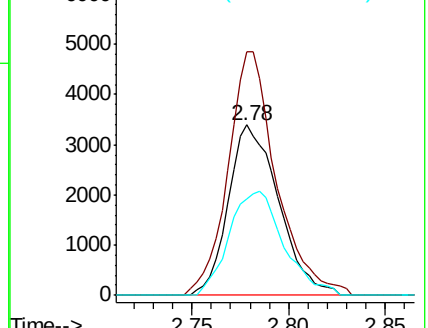
98 56.4 42.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#19

1,1-Dichloroethane

Concen: 1.101 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

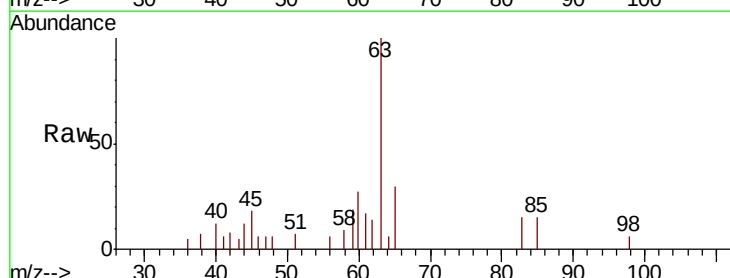
Tgt Ion: 63 Resp: 4386

Ion Ratio Lower Upper

63 100

65 30.3 23.0 42.8

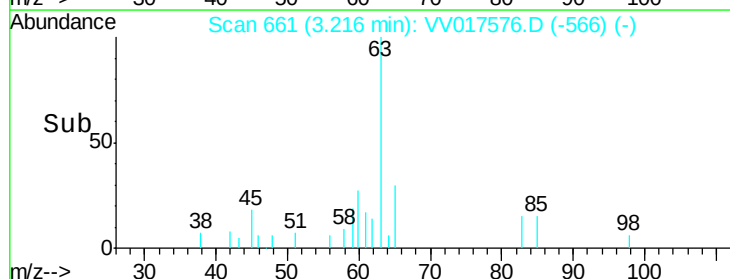
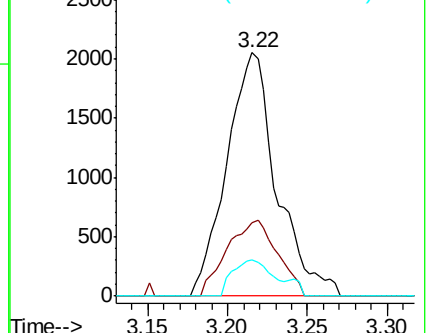
83 14.9 9.9 18.5

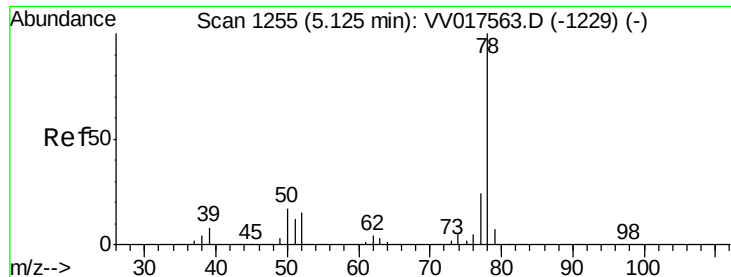


Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0





#33

Benzene

Concen: 1.804 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

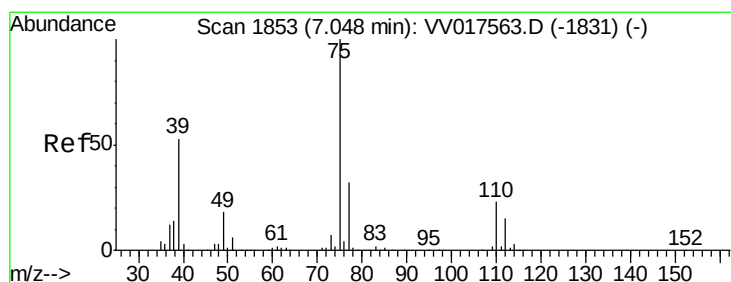
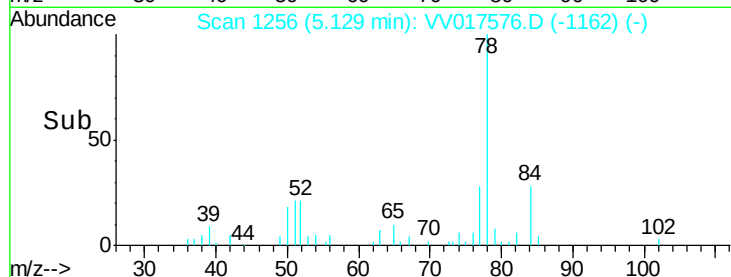
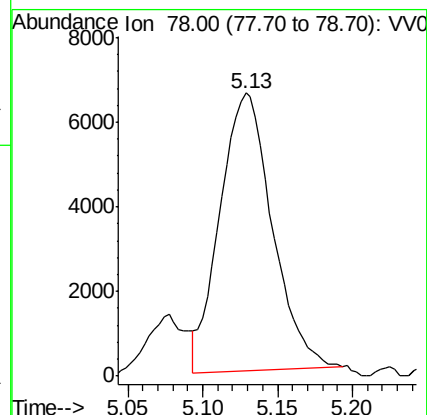
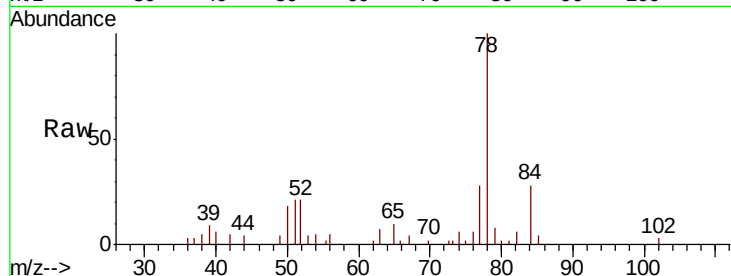
Instrument :

MSVOA_V

ClientSampleId :

PMW-9S

Tgt Ion: 78 Resp: 16001



#39

cis-1,3-Dichloropropene

Concen: 0.957 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017576.D

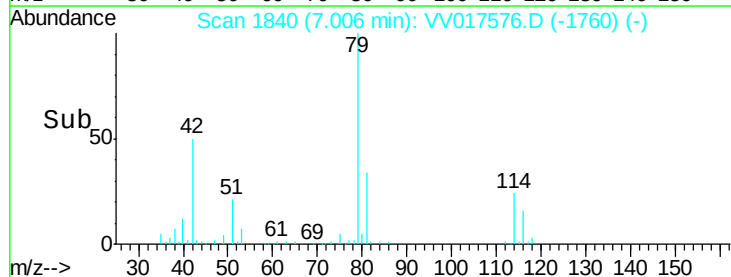
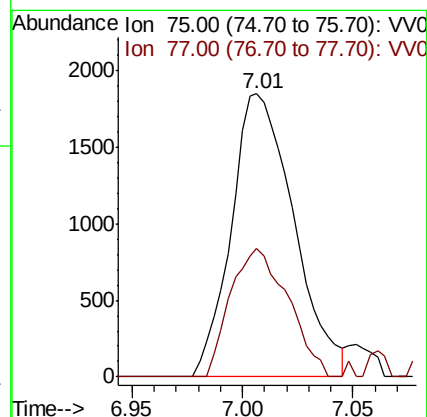
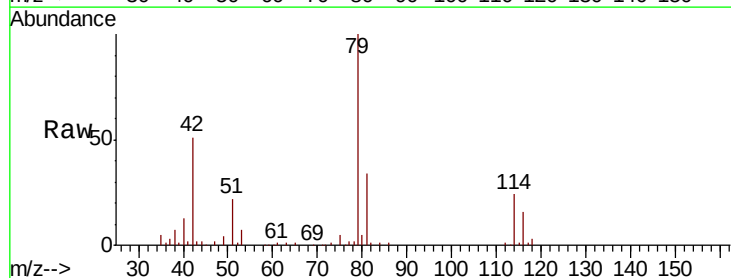
Acq: 21 Jul 2020 20:05

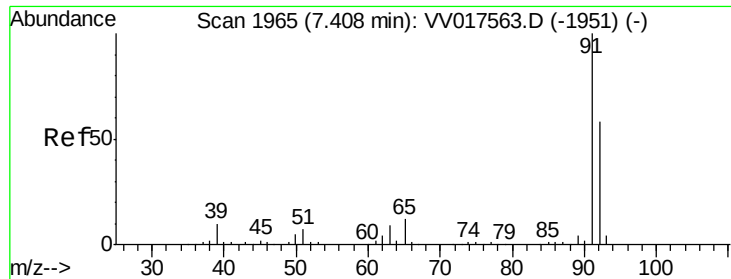
Tgt Ion: 75 Resp: 3635

Ion Ratio Lower Upper

75 100

77 45.5 22.2 41.2#





#42

Toluene

Concen: 2.141 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

Instrument :

MSVOA_V

ClientSampleId :

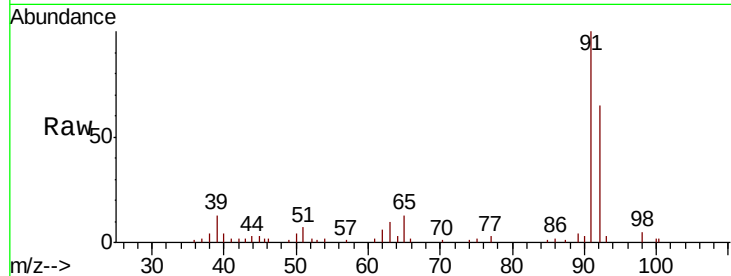
PMW-9S

Tot Ion: 91 Resp: 20867

Ion Ratio Lower Upper

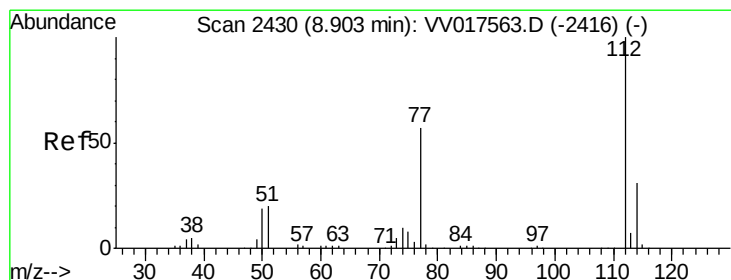
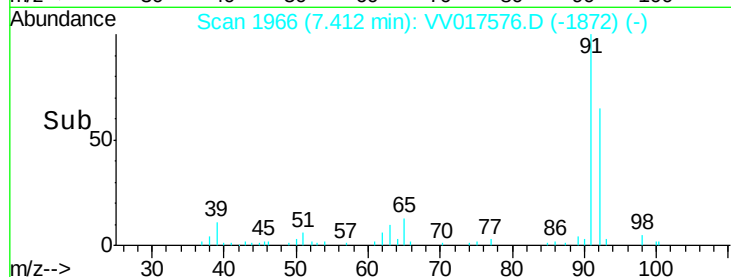
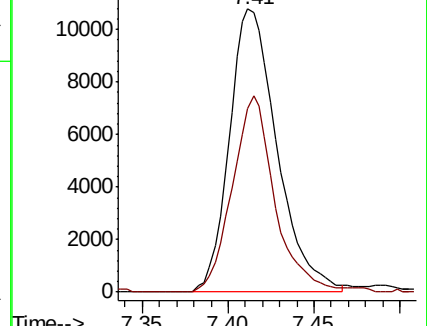
91 100

92 65.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV017576.D (-1966) (-)

Ion 92.00 (91.70 to 92.70): VV017576.D (-1966) (-)



#51

Chlorobenzene

Concen: 124.699 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

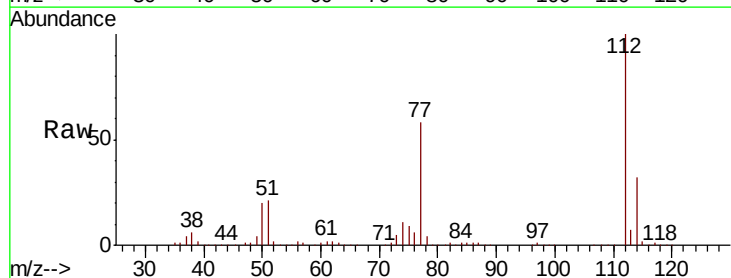
Tgt Ion: 112 Resp: 806522

Ion Ratio Lower Upper

112 100

114 31.9 21.9 40.7

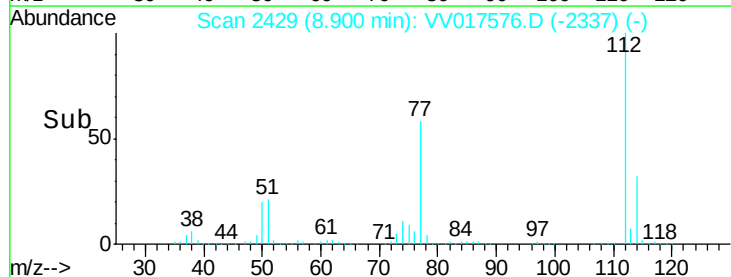
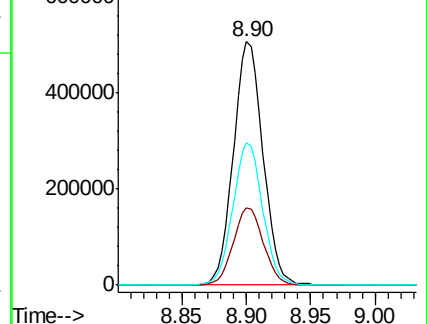
77 58.3 46.1 69.1

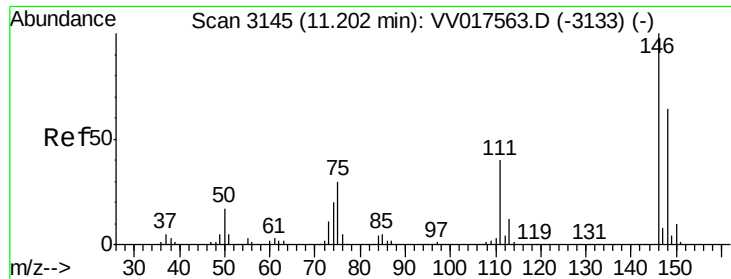


Abundance Ion 112.00 (111.70 to 112.70): VV017576.D (-2430) (-)

Ion 114.00 (113.70 to 114.70): VV017576.D (-2430) (-)

Ion 77.00 (76.70 to 77.70): VV017576.D (-2430) (-)





#62

1,3-Dichlorobenzene

Concen: 743.972 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

Instrument :

MSVOA_V

ClientSampleId :

PMW-9S

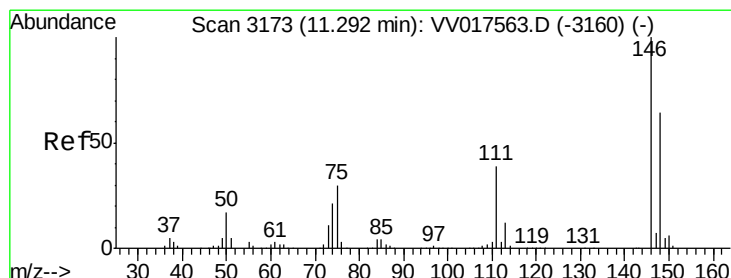
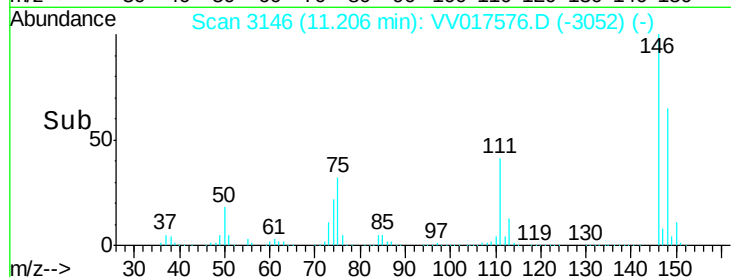
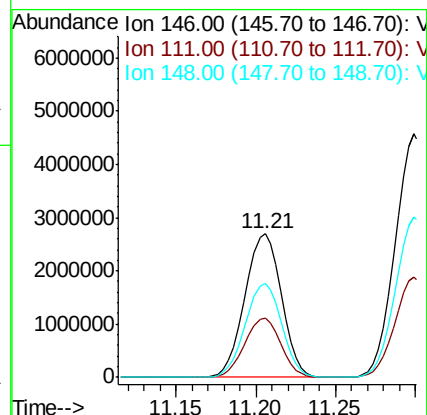
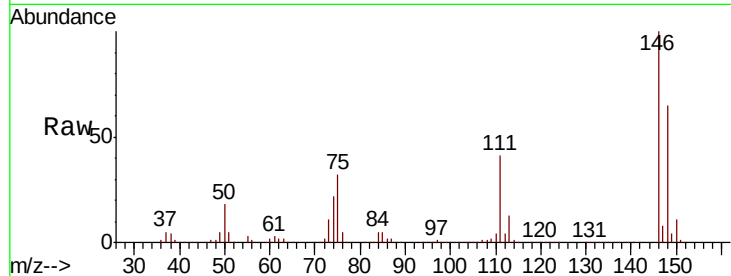
Tot Ion:146 Resp: 4199927

Ion Ratio Lower Upper

146 100

111 41.4 28.2 52.4

148 65.4 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 1243.156 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

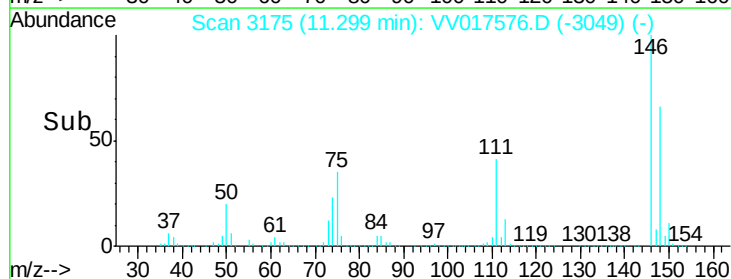
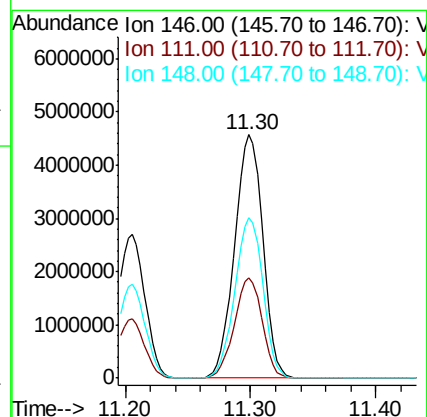
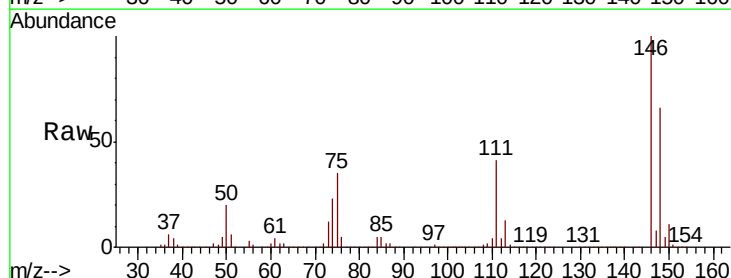
Tgt Ion:146 Resp: 7163196

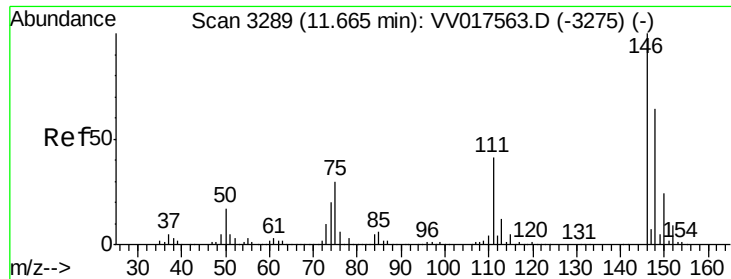
Ion Ratio Lower Upper

146 100

111 41.4 27.3 50.7

148 65.9 45.1 83.9

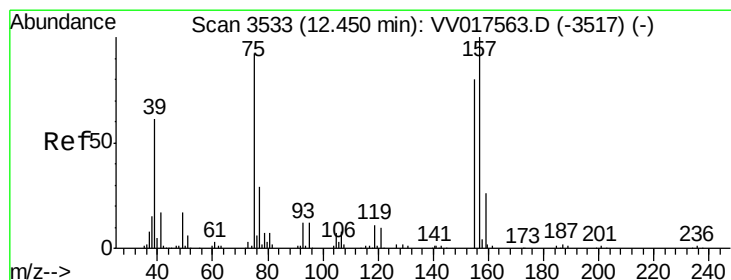
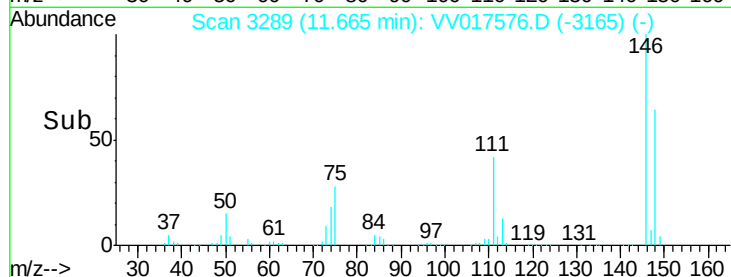
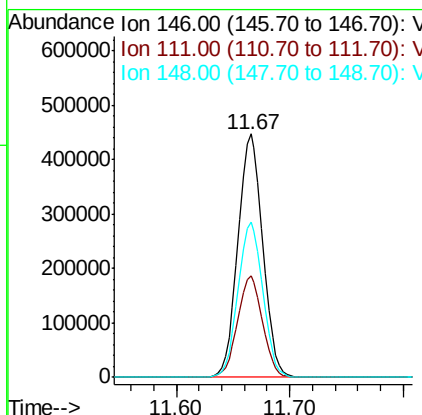
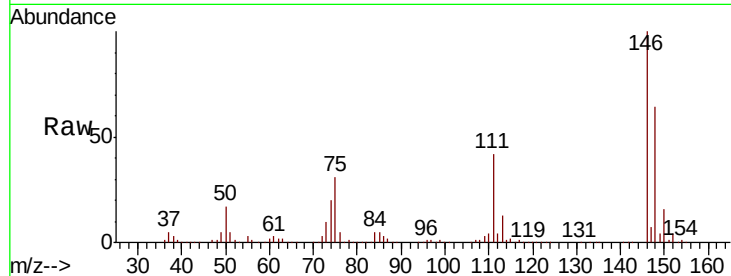




#65
 1,2-Dichlorobenzene
 Concen: 119.099 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017576.D
 Acq: 21 Jul 2020 20:05

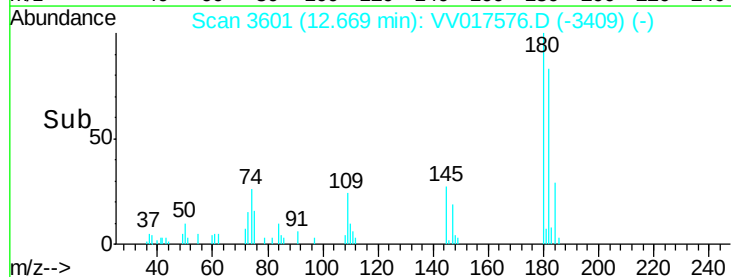
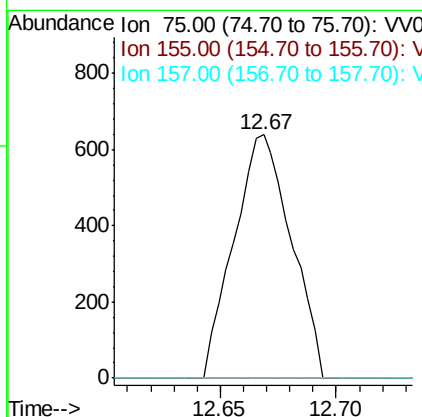
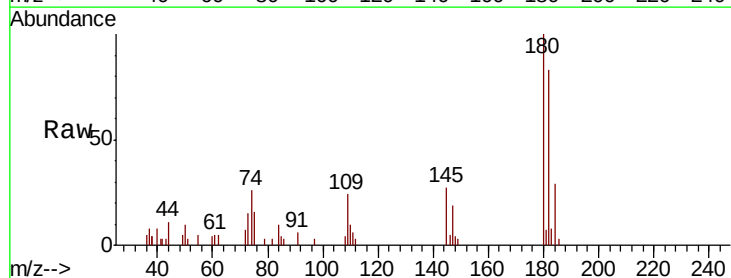
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9S

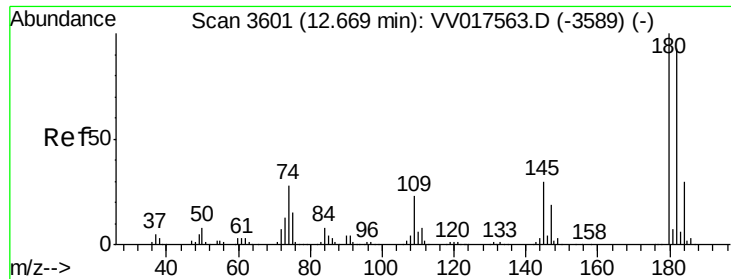
Tot Ion:146 Resp: 681635
 Ion Ratio Lower Upper
 146 100
 111 41.8 32.9 49.3
 148 63.8 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.158 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.22 min
 Lab File: VV017576.D
 Acq: 21 Jul 2020 20:05

Tgt Ion: 75 Resp: 1097
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.2 103.8#
 157 0.0 86.9 130.3#

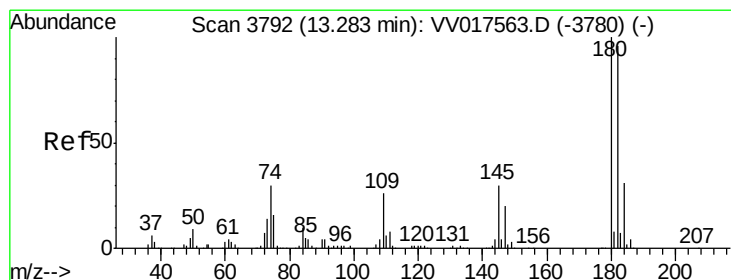
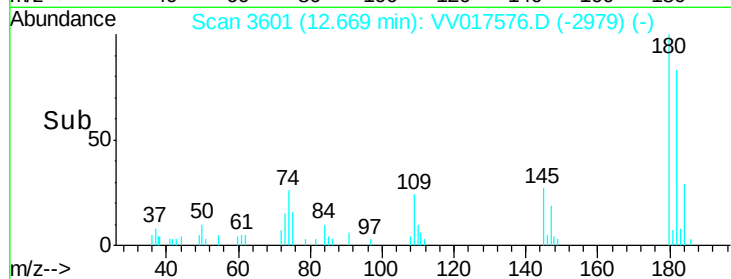
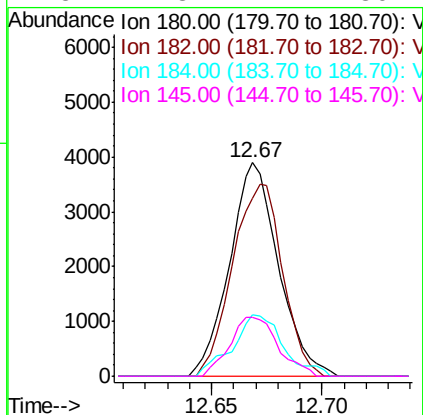
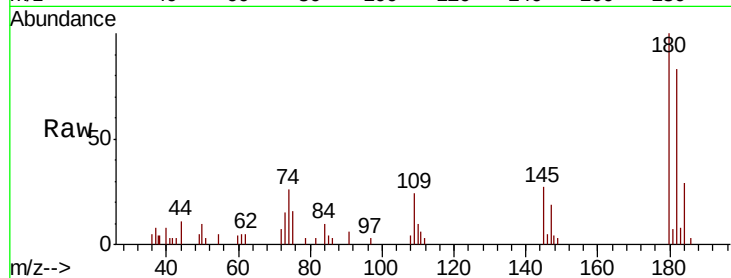




#67
 1,3,5-Trichlorobenzene
 Concen: 1.348 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017576.D
 Acq: 21 Jul 2020 20:05

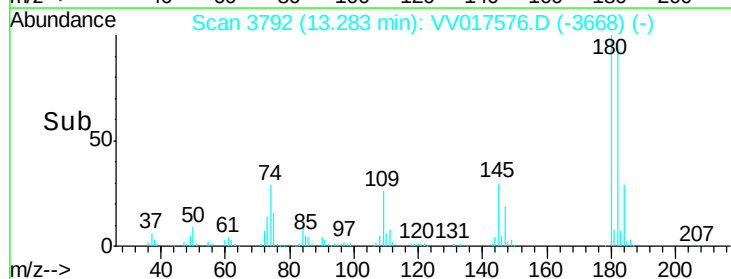
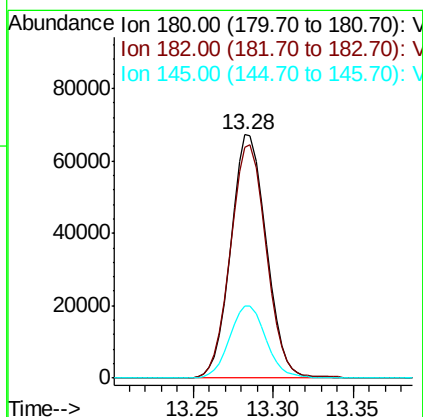
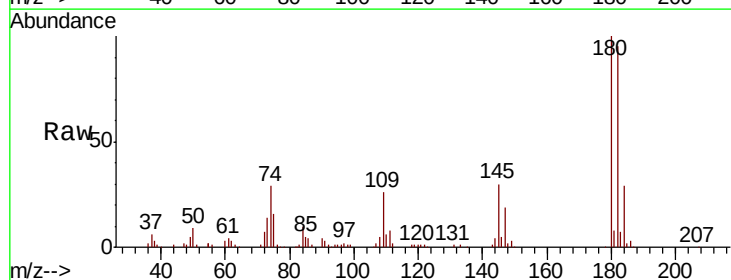
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9S

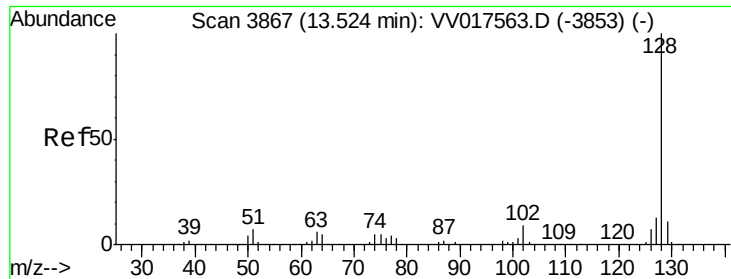
Tot Ion:180	Resp:	6006
Ion	Ratio	Lower Upper
180	100	
182	91.6	76.7 115.1
184	28.3	24.5 36.7
145	27.3	24.2 36.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.652 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017576.D
 Acq: 21 Jul 2020 20:05

Tgt Ion:180	Resp:	101399
Ion	Ratio	Lower Upper
180	100	
182	96.8	76.2 114.4
145	30.5	24.1 36.1





#69

Naphthalene

Concen: 1.384 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

Instrument :

MSVOA_V

ClientSampleId :

PMW-9S

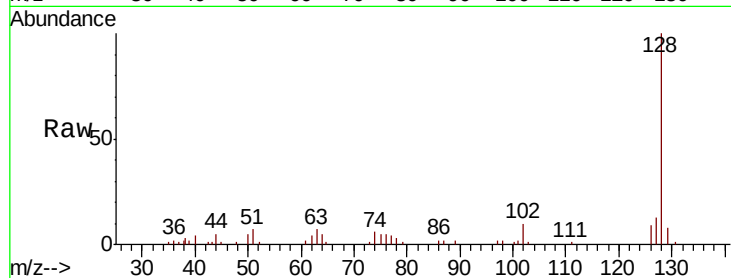
Tot Ion:128 Resp: 15320

Ion Ratio Lower Upper

128 100

127 12.5 10.8 16.2

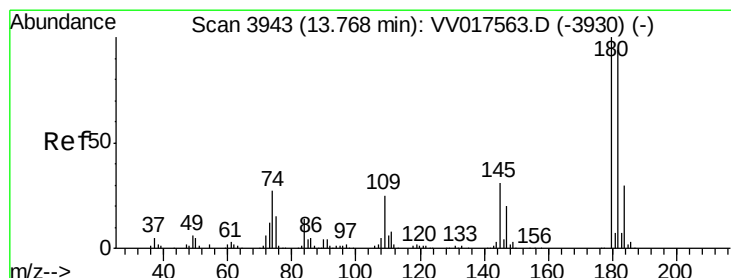
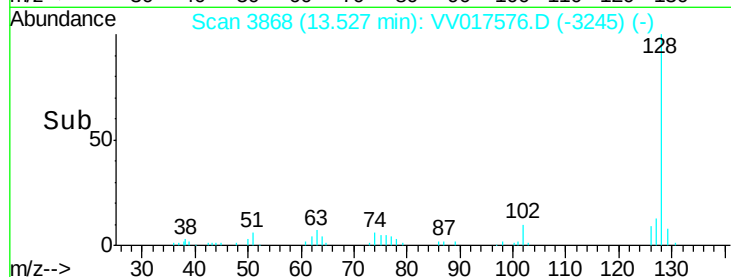
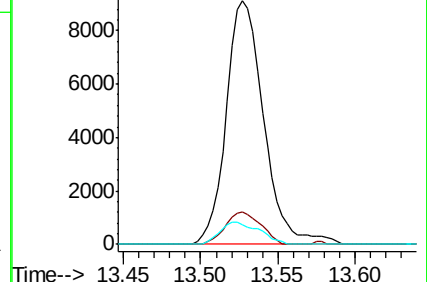
129 9.7 8.7 13.1



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: 2.735 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017576.D

Acq: 21 Jul 2020 20:05

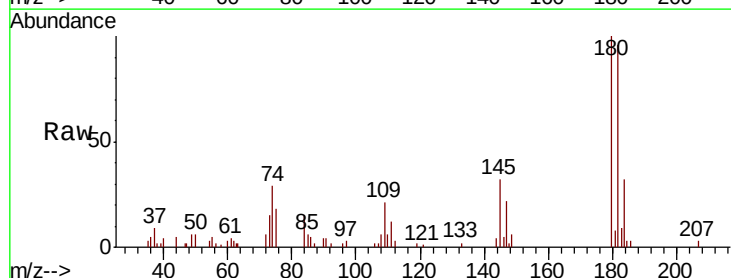
Tgt Ion:180 Resp: 10816

Ion Ratio Lower Upper

180 100

182 99.5 75.8 113.8

145 34.4 25.5 38.3



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

