

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102120\
 Data File : VV019057.D
 Acq On : 21 Oct 2020 18:31
 Operator : SY/MD
 Sample : L4483-05 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3DL

Quant Time: Oct 22 06:10:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 06:00:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	289783	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327347	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155278	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	128349	53.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.62%
7) Chloroethane-d5	1.58	69	98896	52.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.66%
11) 1,1-Dichloroethene-d2	2.12	63	194101	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
21) 2-Butanone-d5	3.91	46	159150	95.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.72%
24) Chloroform-d	4.38	84	198512	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	5.06	65	146130	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.74%
32) Benzene-d6	5.07	84	394793	41.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.62%
36) 1,2-Dichloropropane-d6	6.09	67	154094	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.86%
41) Toluene-d8	7.34	98	406637	47.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.86%
43) trans-1,3-Dichloropropene-	7.64	79	71292	47.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.48%
47) 2-Hexanone-d5	8.11	63	104634	92.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.19%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	169792	47.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	167853	53.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.26%

Target Compounds

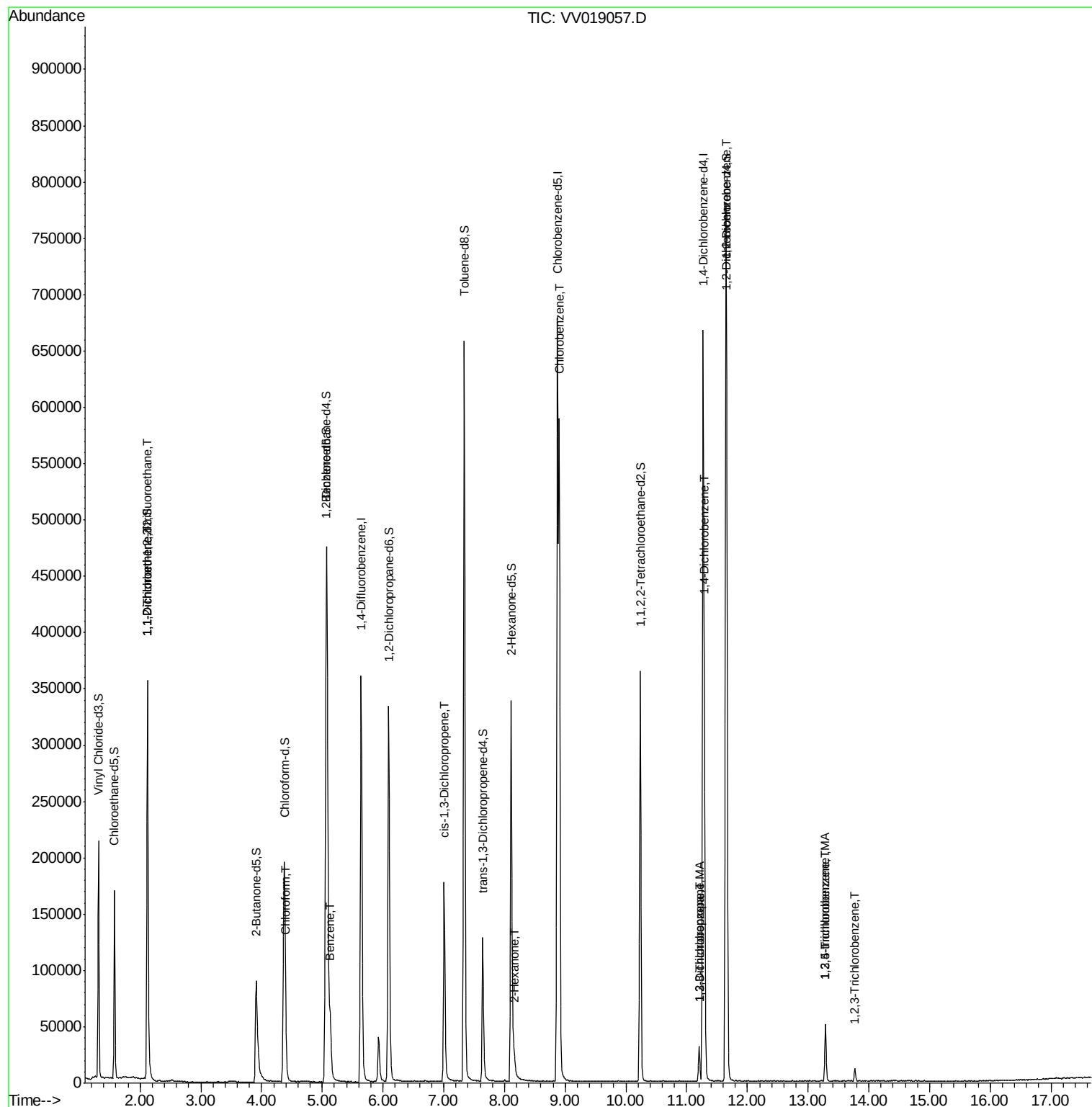
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1629	0.867	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1619	0.850	ug/L #	1
25) Chloroform	4.41	83	3805	0.920	ug/L	91
33) Benzene	5.13	78	59345	5.914	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	4627	1.146	ug/L #	58
48) 2-Hexanone	8.16	43	10012	3.409	ug/L #	78
51) Chlorobenzene	8.90	112	279838	41.415	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	3823	1.176	ug/L #	43
62) 1,3-Dichlorobenzene	11.21	146	12479	2.592	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	101443	20.044	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	135823	27.966	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	14601	4.515	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	14601	4.900	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	3306	1.110	ug/L	92

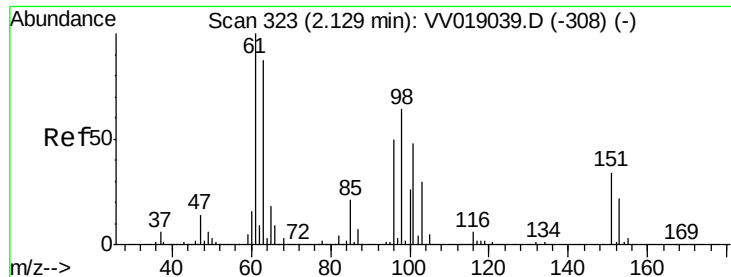
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 22 06:00:52 2020
Response via : Initial Calibration





#10

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

Concen: 0.867 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019057.D

Acq: 21 Oct 2020 18:31

Instrument :

MSVOA_V

ClientSampleId :

C0FH3DL

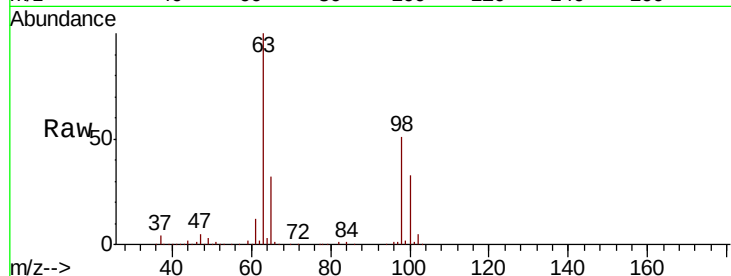
Tot Ion:101 Resp: 1629

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

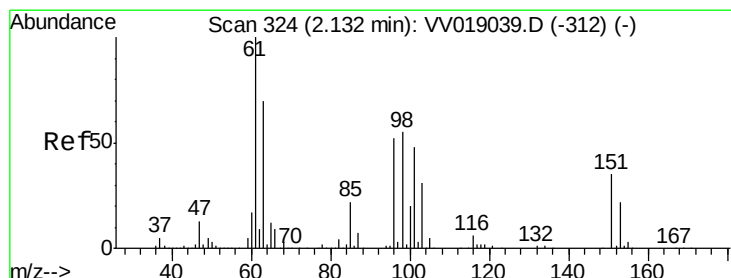
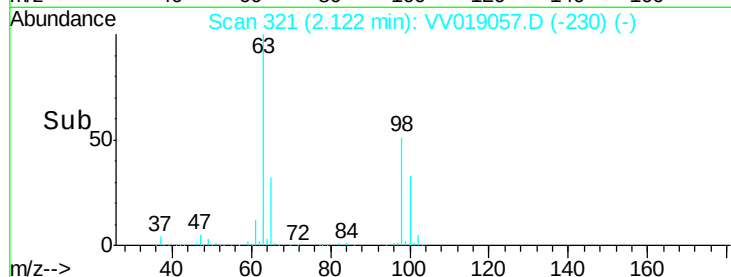
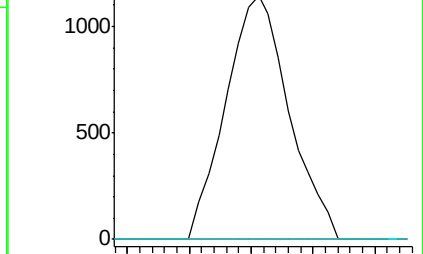
151 0.0 59.7 89.5#



Abundance Ion 101.00 (100.70 to 101.70): VV019039.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV019039.D (-308) (-)

Ion 151.00 (150.70 to 151.70): VV019039.D (-308) (-)



#12

1,1-Dichloroethene

Concen: 0.850 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019057.D

Acq: 21 Oct 2020 18:31

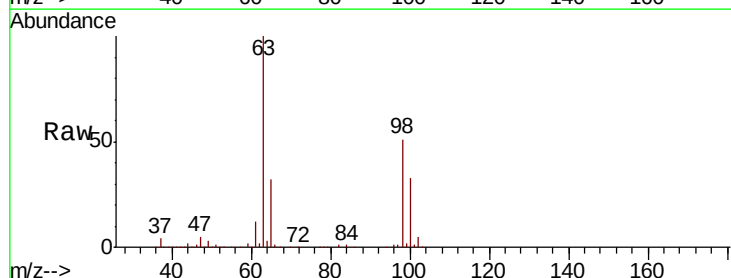
Tgt Ion: 96 Resp: 1619

Ion Ratio Lower Upper

96 100

61 1486.0 133.5 247.9#

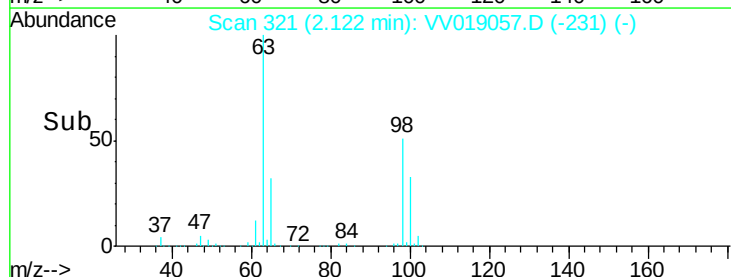
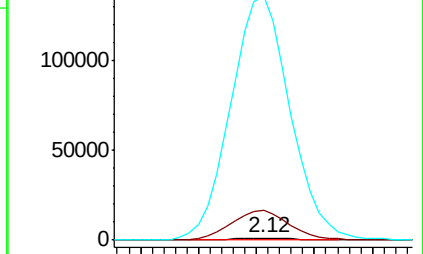
63 12305.5 102.1 189.7#

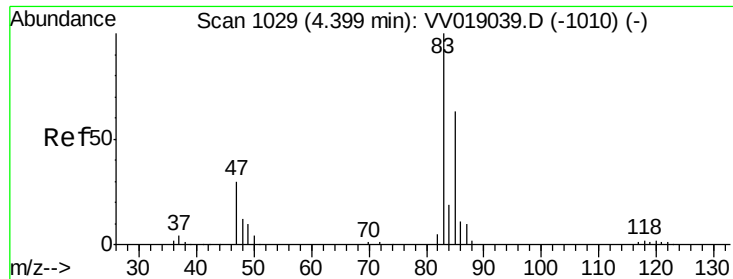


Abundance Ion 96.00 (95.70 to 96.70): VV019039.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV019039.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV019039.D (-312) (-)

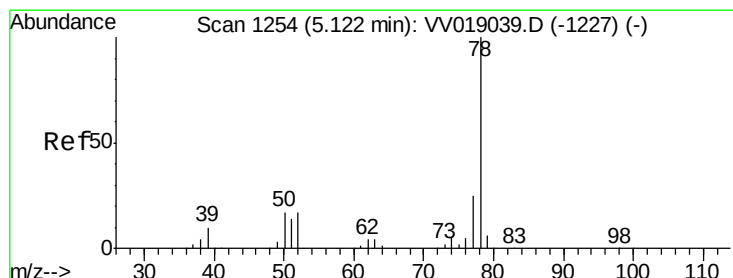
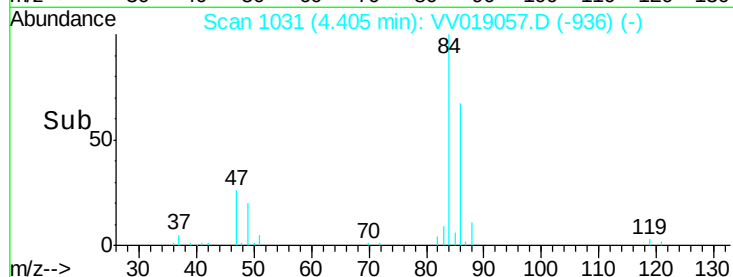
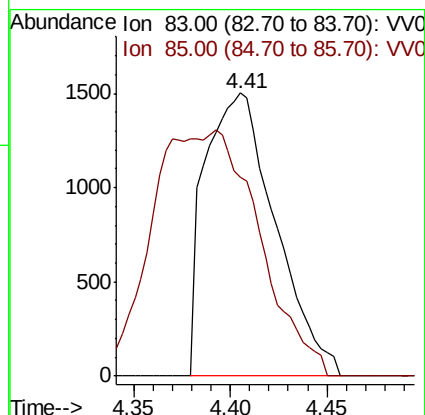
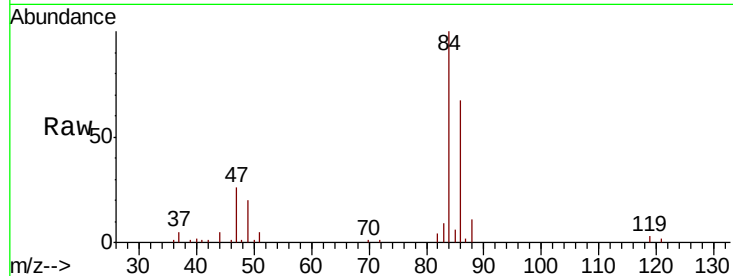




#25
Chloroform
Concen: 0.920 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV019057.D
Acq: 21 Oct 2020 18:31

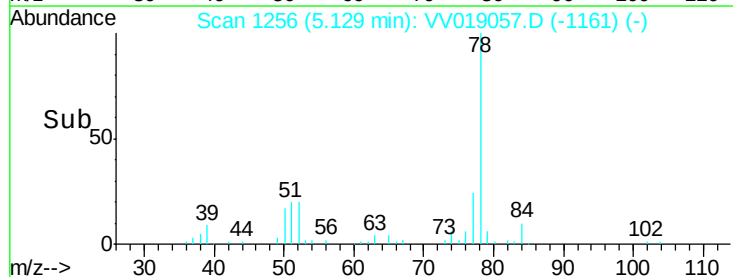
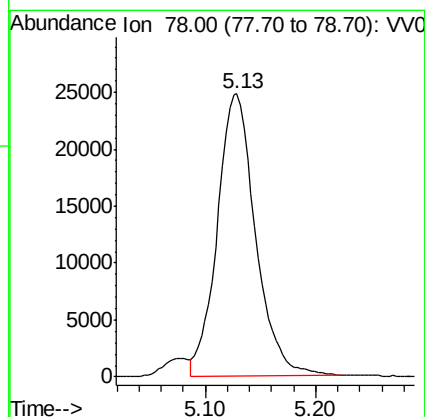
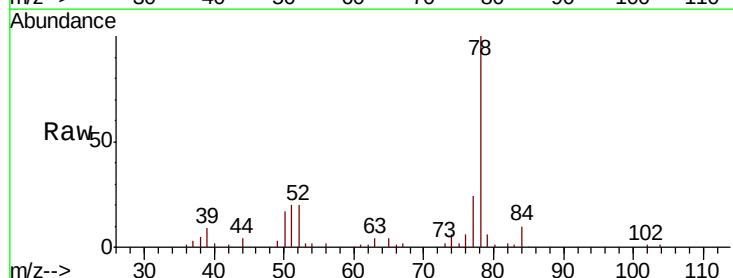
Instrument :
MSVOA_V
ClientSampleId :
C0FH3DL

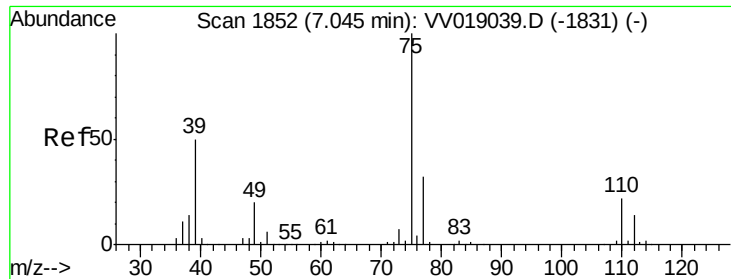
Tot Ion: 83 Resp: 3805
Ion Ratio Lower Upper
83 100
85 70.4 44.6 82.8



#33
Benzene
Concen: 5.914 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV019057.D
Acq: 21 Oct 2020 18:31

Tgt Ion: 78 Resp: 59345

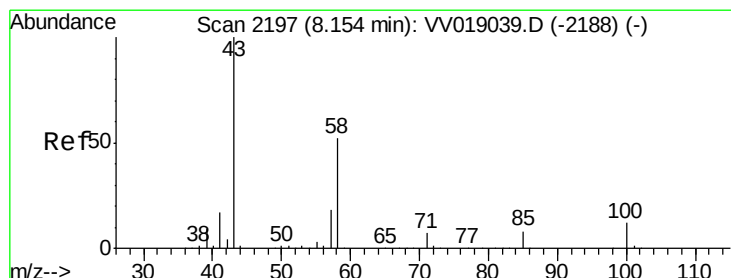
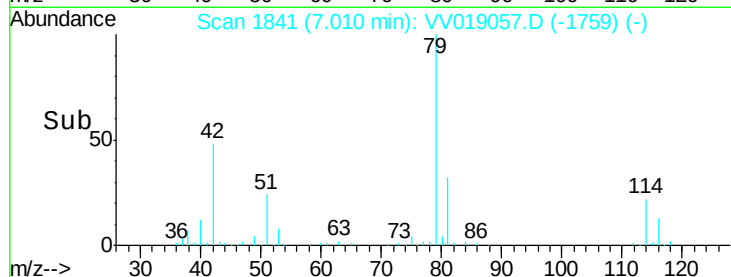
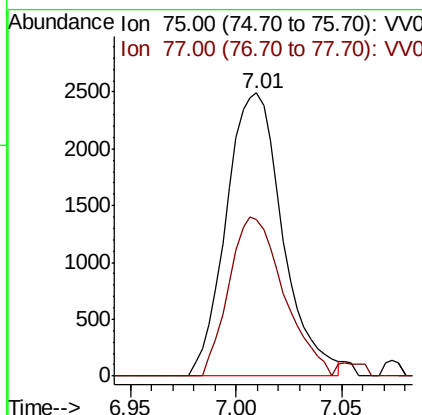
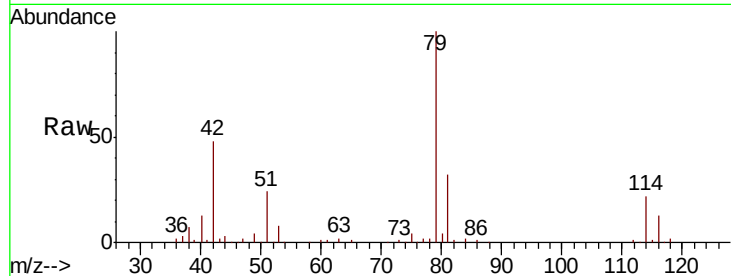




#39
 cis-1,3-Dichloropropene
 Concen: 1.146 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV019057.D
 Acq: 21 Oct 2020 18:31

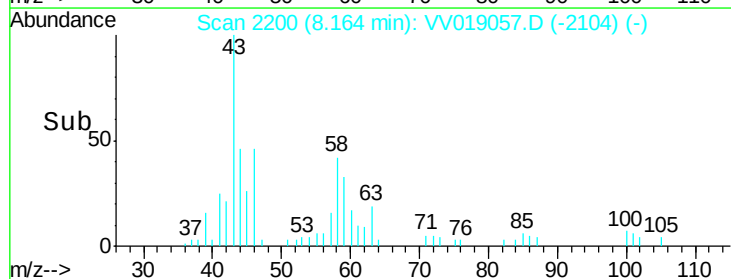
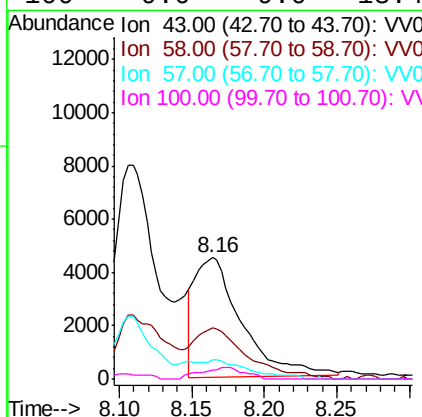
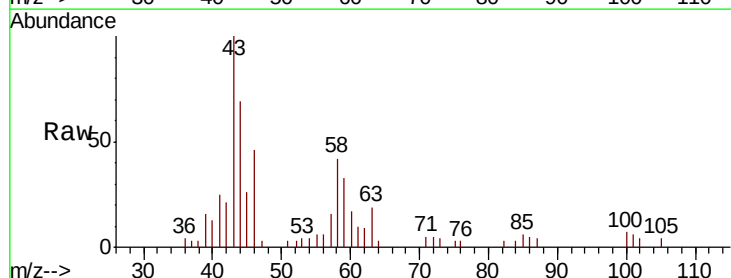
Instrument :
 MSVOA_V
 ClientSampled :
 C0FH3DL

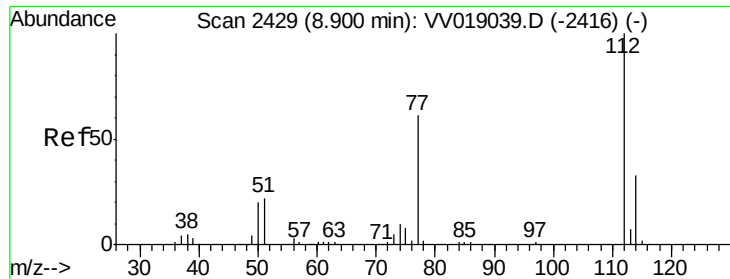
Tot Ion: 75 Resp: 4627
 Ion Ratio Lower Upper
 75 100
 77 55.4 22.5 41.9#



#48
 2-Hexanone
 Concen: 3.409 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV019057.D
 Acq: 21 Oct 2020 18:31

Tgt Ion: 43 Resp: 10012
 Ion Ratio Lower Upper
 43 100
 58 39.4 42.5 63.7#
 57 0.0 14.5 21.7#
 100 9.0 9.0 13.4





#51

Chlorobenzene

Concen: 41.415 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019057.D

Acq: 21 Oct 2020 18:31

Instrument :

MSVOA_V

ClientSampleId :

C0FH3DL

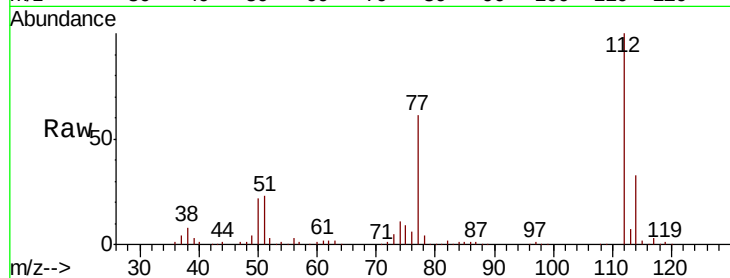
Tot Ion:112 Resp: 279838

Ion Ratio Lower Upper

112 100

114 32.6 21.8 40.6

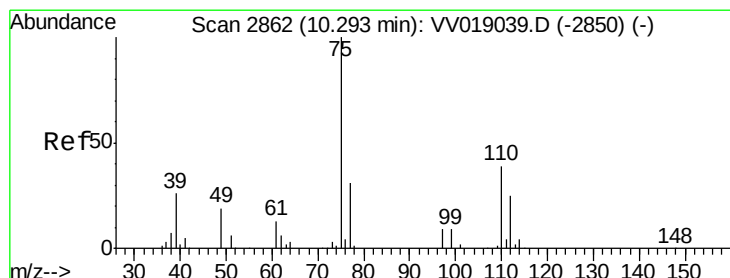
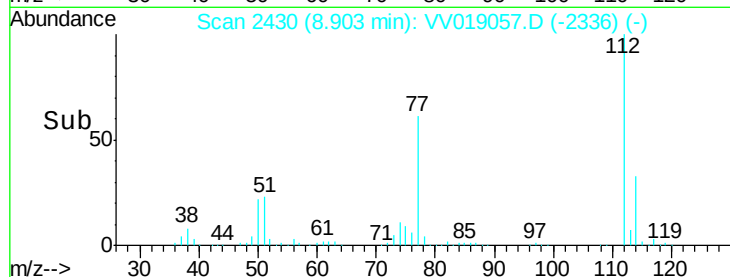
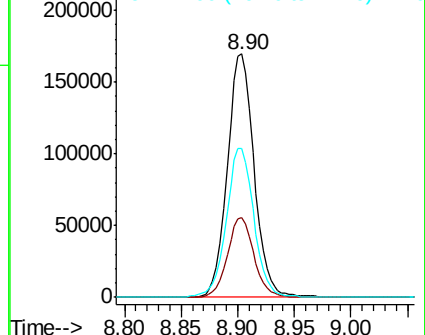
77 60.9 49.2 73.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 1.176 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV019057.D

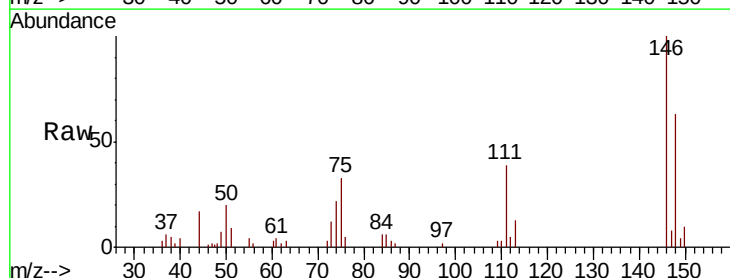
Acq: 21 Oct 2020 18:31

Tgt Ion: 75 Resp: 3823

Ion Ratio Lower Upper

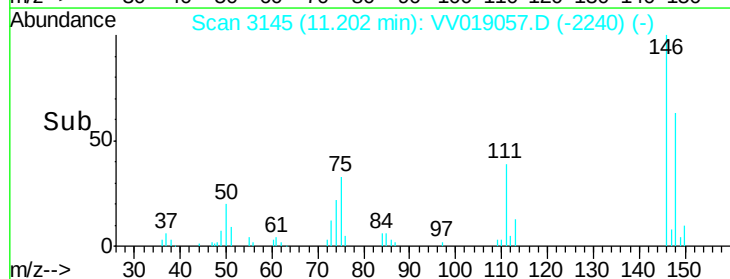
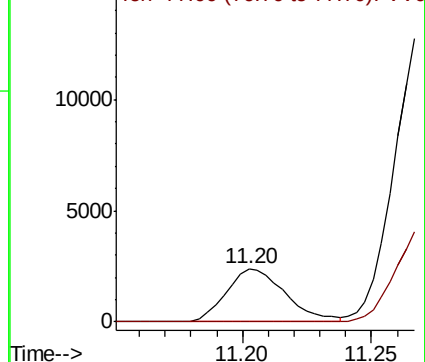
75 100

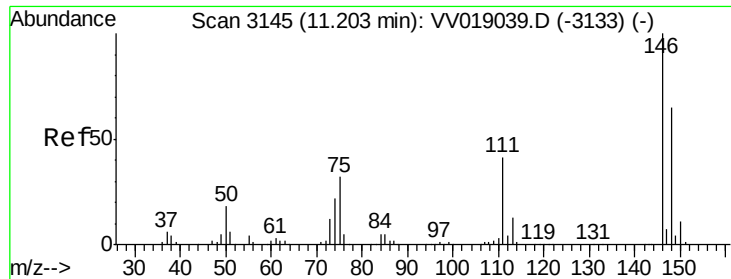
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

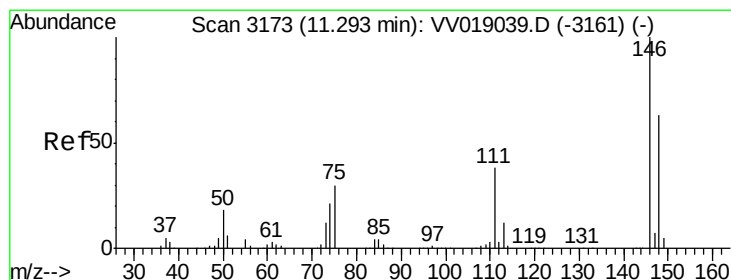
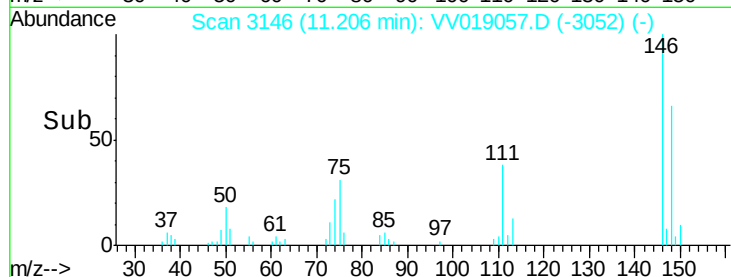
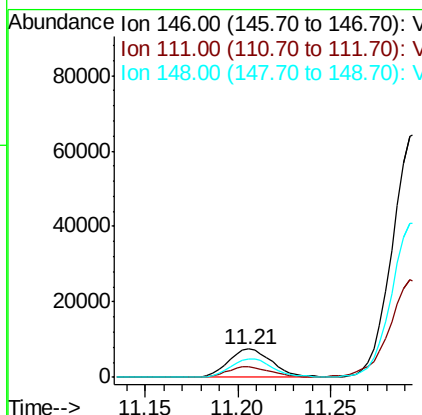
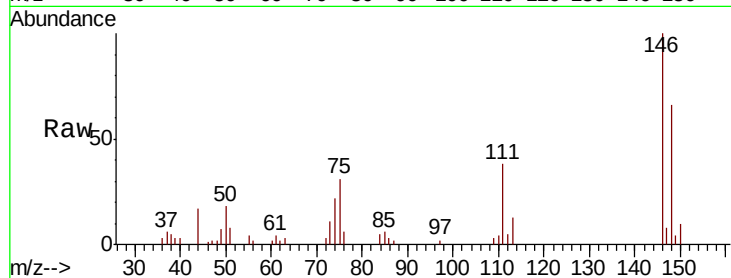




#62
 1,3-Dichlorobenzene
 Concen: 2.592 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019057.D
 Acq: 21 Oct 2020 18:31

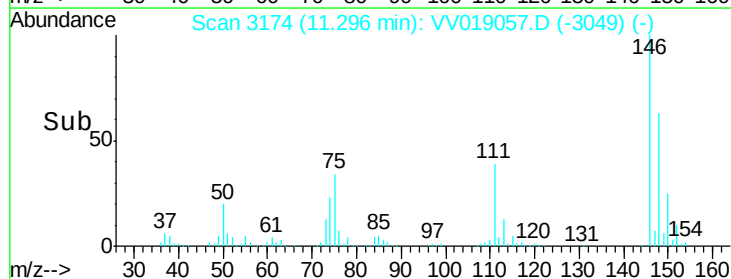
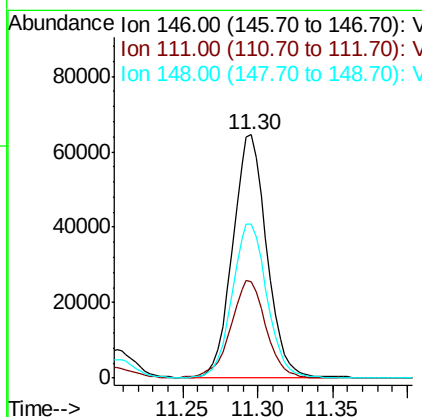
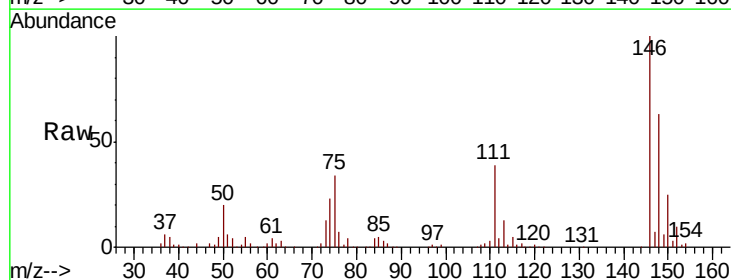
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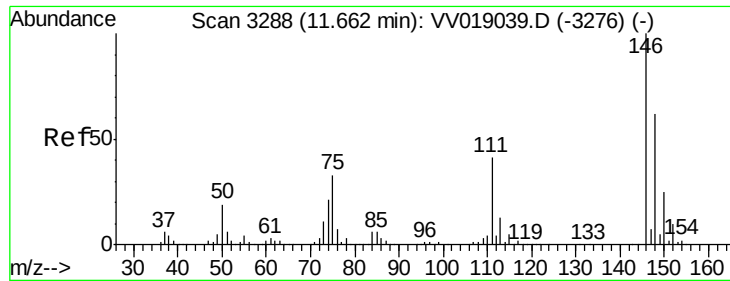
Tot Ion:146 Resp: 12479
 Ion Ratio Lower Upper
 146 100
 111 38.4 28.3 52.7
 148 65.8 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 20.044 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019057.D
 Acq: 21 Oct 2020 18:31

Tgt Ion:146 Resp: 101443
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.5 51.1
 148 63.4 44.1 81.9

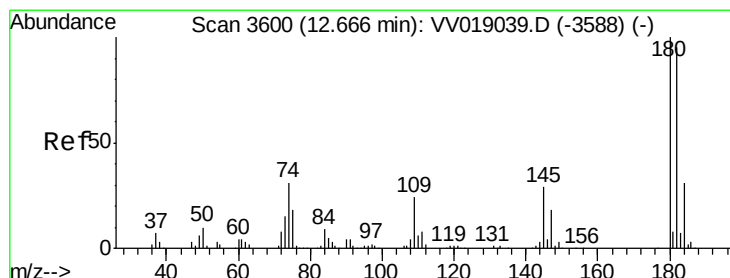
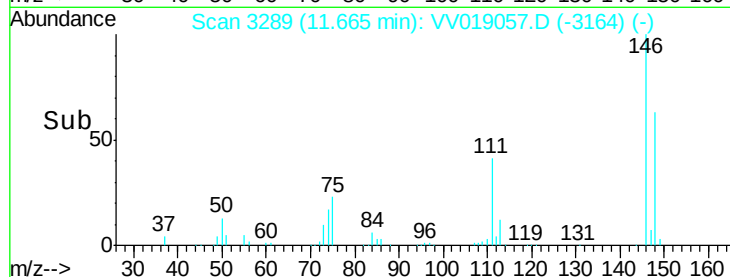
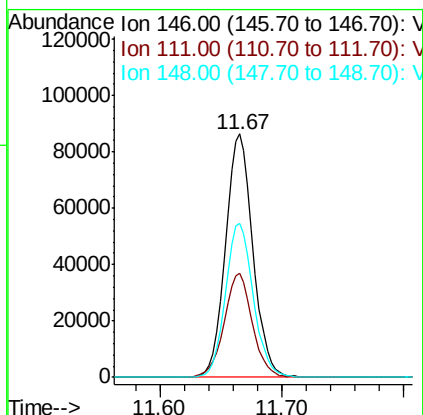
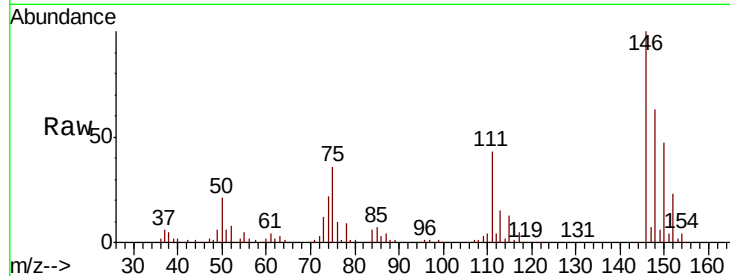




#65
 1,2-Dichlorobenzene
 Concen: 27.966 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019057.D
 Acq: 21 Oct 2020 18:31

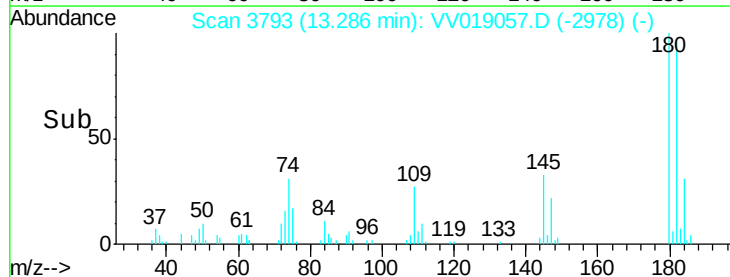
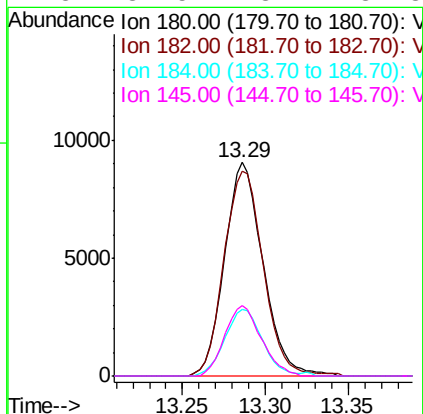
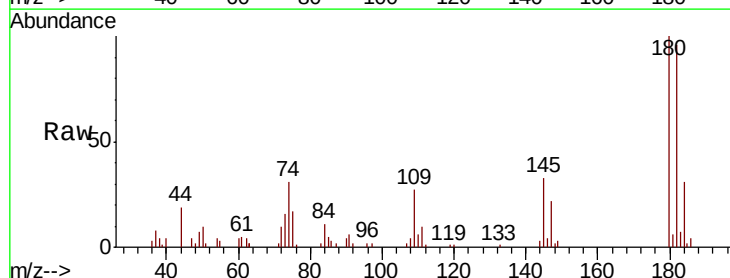
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 C0FH3DL

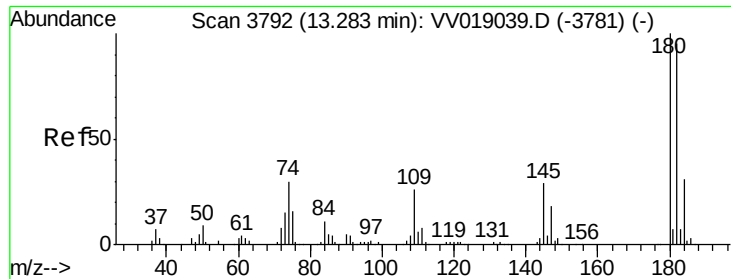
Tot Ion:146 Resp: 135823
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.9 50.9
 148 63.4 49.8 74.8



#67
 1,3,5-Trichlorobenzene
 Concen: 4.515 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV019057.D
 Acq: 21 Oct 2020 18:31

Tgt Ion:180 Resp: 14601
 Ion Ratio Lower Upper
 180 100
 182 97.9 75.8 113.8
 184 30.5 24.9 37.3
 145 31.5 23.2 34.8

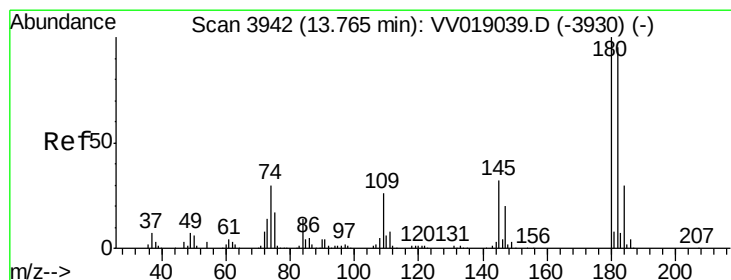
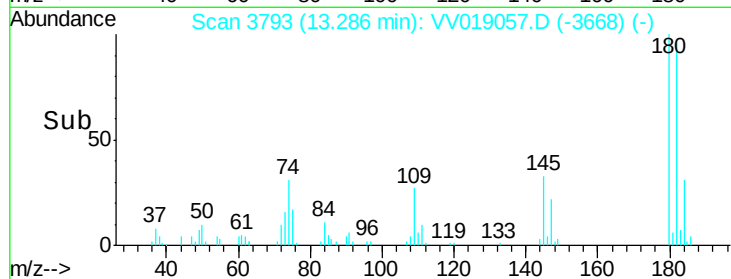
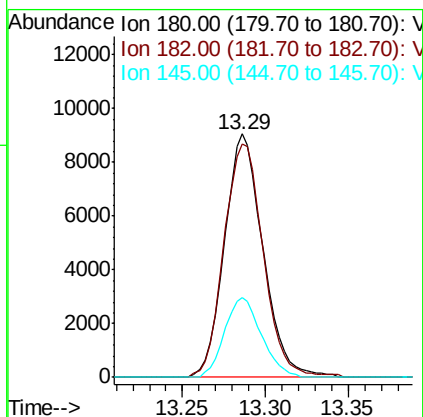
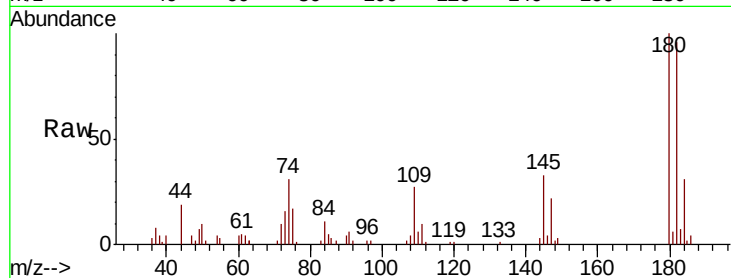




#68
 1,2,4-trichlorobenzene
 Concen: 4.900 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019057.D
 Acq: 21 Oct 2020 18:31

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3DL

Tot Ion:180 Resp: 14601
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.5 114.7
 145 31.5 23.7 35.5



#70
 1,2,3-Trichlorobenzene
 Concen: 1.110 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019057.D
 Acq: 21 Oct 2020 18:31

Tgt Ion:180 Resp: 3306
 Ion Ratio Lower Upper
 180 100
 182 106.1 76.8 115.2
 145 32.3 25.4 38.0

