

Data File : VV015153.D
Acq On : 25 Mar 2020 22:57
Operator : SY/MD
Sample : L1968-04DL 400X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DD3DL

Quant Time: Mar 26 02:06:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 26 02:00:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	584307	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	555466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	246214	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	204779	41.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.84%
7) Chloroethane-d5	1.58	69	196057	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.12	63	330421	34.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.66%
21) 2-Butanone-d5	3.94	46	301400	94.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.01%
24) Chloroform-d	4.38	84	370834	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.06	65	246892	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
32) Benzene-d6	5.08	84	742011	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
36) 1,2-Dichloropropane-d6	6.09	67	236418	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.02%
41) Toluene-d8	7.34	98	698340	45.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.24%
43) trans-1,3-Dichloropropene-	7.64	79	115513	41.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.98%
47) 2-Hexanone-d5	8.11	63	236151	92.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.76%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	339287	45.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	250181	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%

Target Compounds

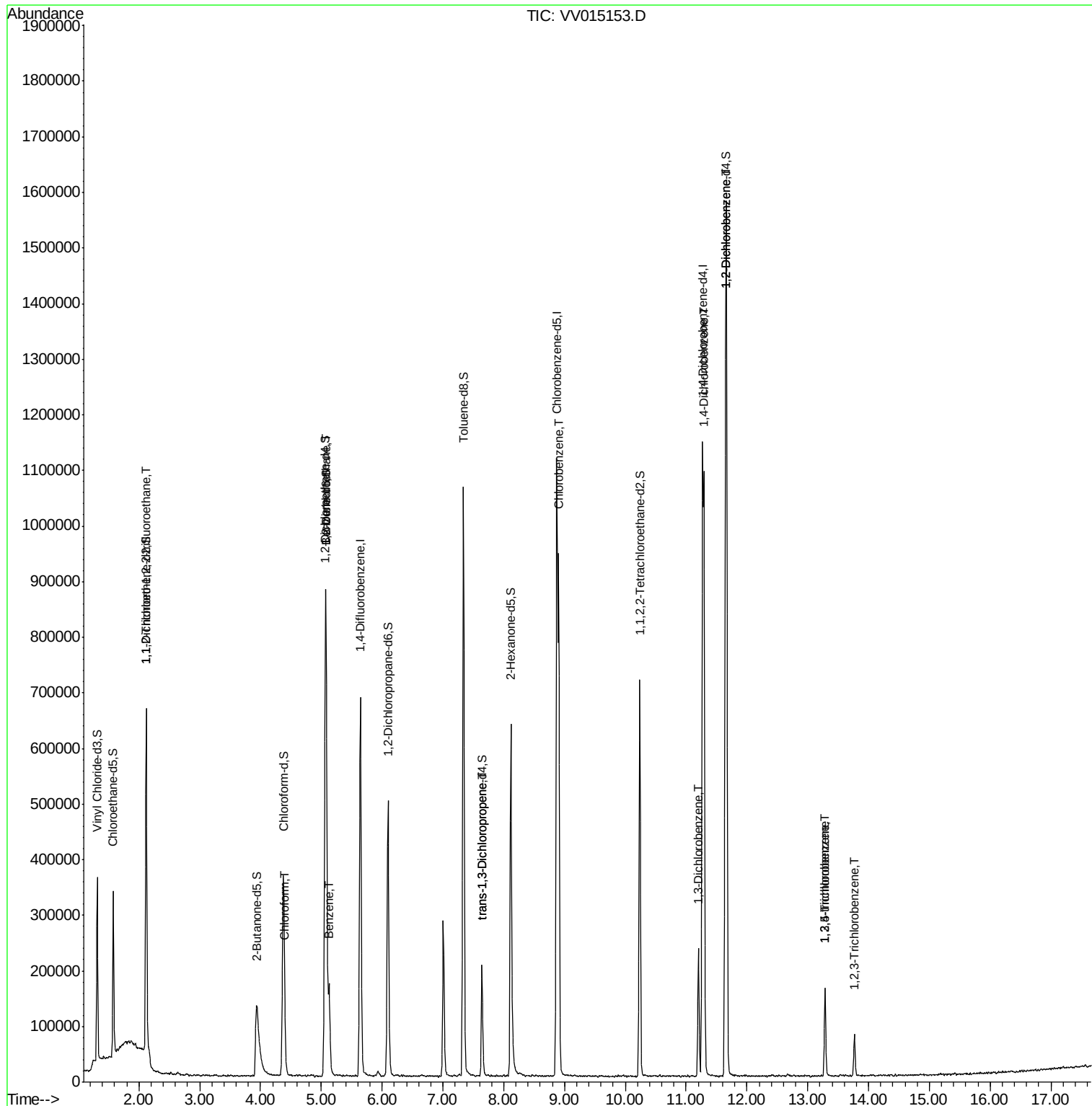
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3325	0.814	ug/L #	31
25) Chloroform	4.41	83	8739	1.318	ug/L	87
27) 1,2-Dichloroethane	5.08	62	4237	0.825	ug/L	96
33) Benzene	5.13	78	165991	11.612	ug/L	100
44) trans-1,3-Dichloropropene	7.64	75	5583	0.924	ug/L #	73
51) Chlorobenzene	8.90	112	468438	45.457	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	81501	11.302	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	364985	49.680	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	469283	64.500	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	42150	8.674	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	42150	9.212	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	19404	4.267	ug/L	99

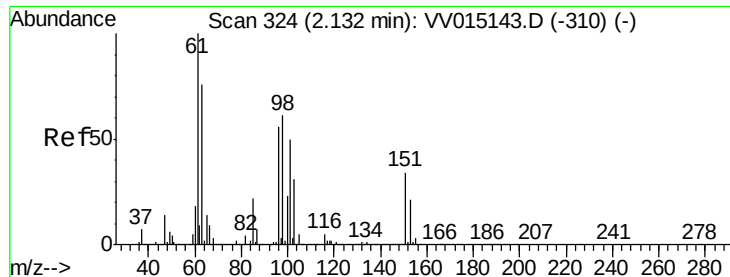
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#10

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

Concen: 0.814 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015153.D

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Instrument :

MSVOA_V

ClientSampleId :

C0DD3DL

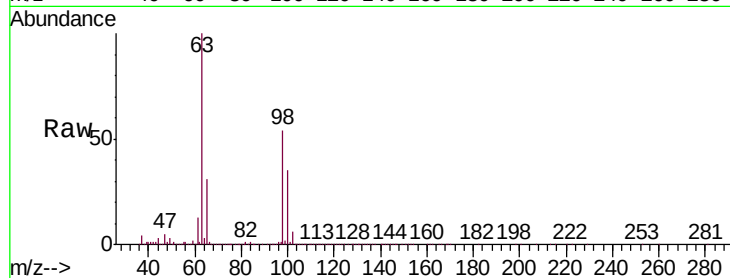
Tgt Ion:101 Resp: 3325

Ion Ratio Lower Upper

101 100

85 4.3 36.0 54.0#

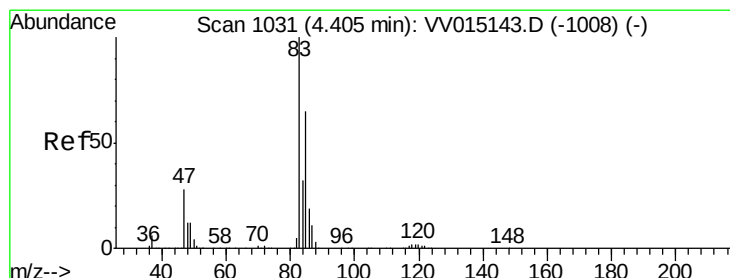
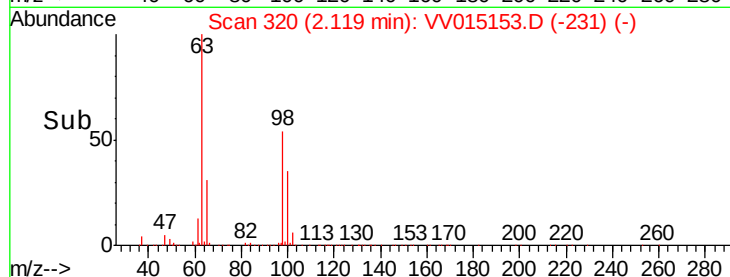
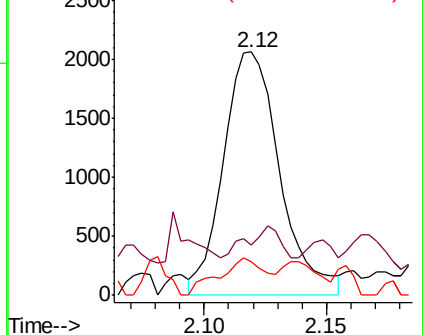
151 9.5 56.2 84.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 1.318 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV015153.D

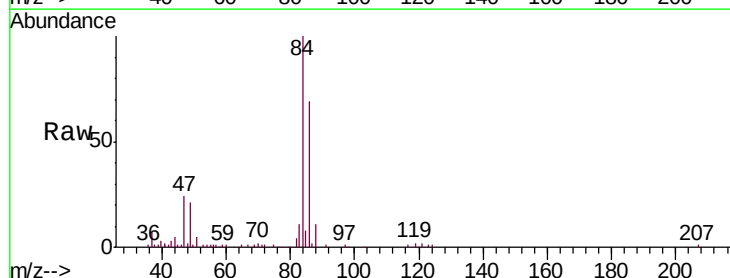
Acq: 25 Mar 2020 22:57

Tgt Ion: 83 Resp: 8739

Ion Ratio Lower Upper

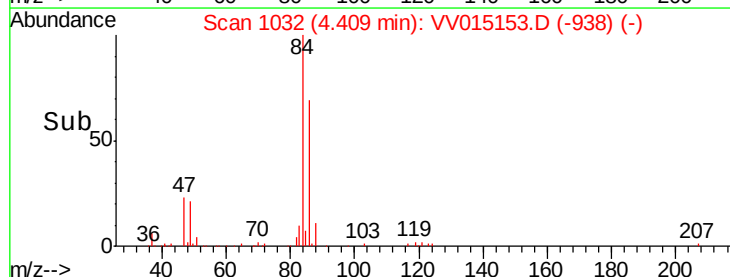
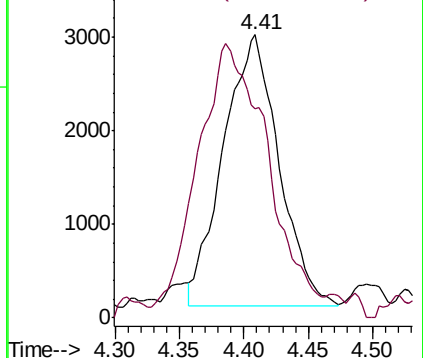
83 100

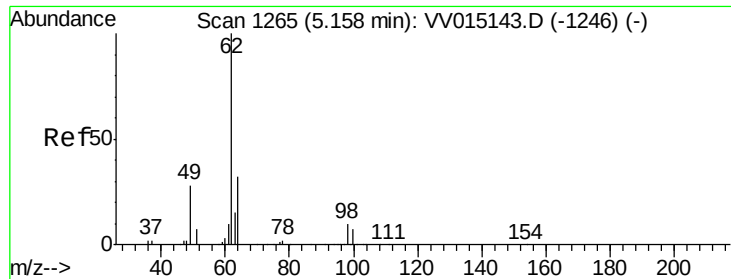
85 73.9 44.8 83.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

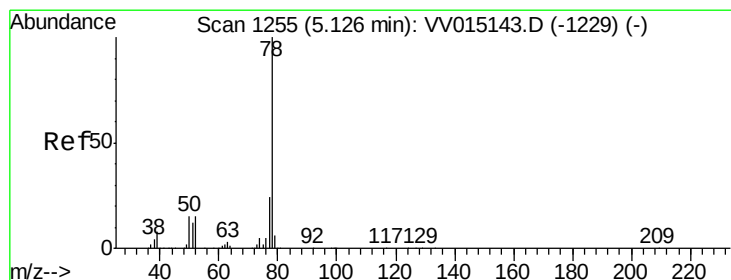
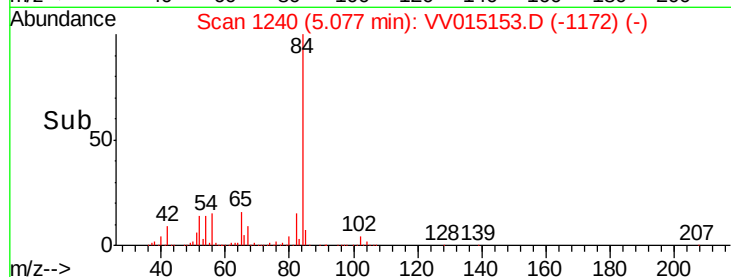
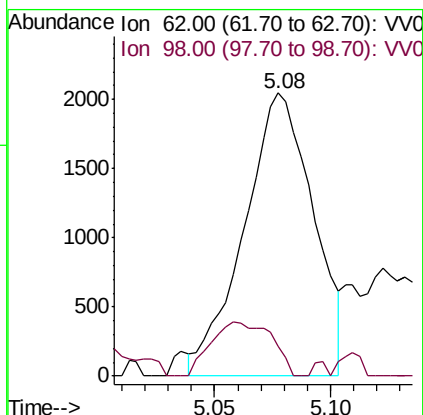
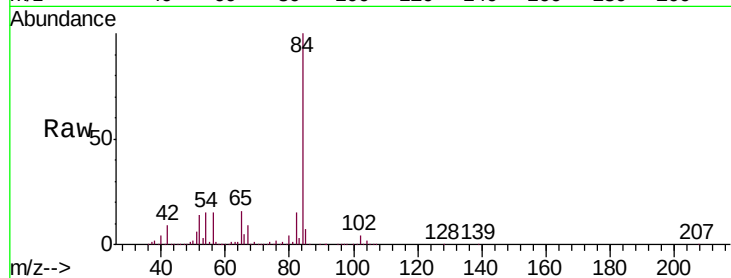




#27
 1,2-Dichloroethane
 Concen: 0.825 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.08 min
 Lab File: VV015153.D
 Acq: 25 Mar 2020 22:57

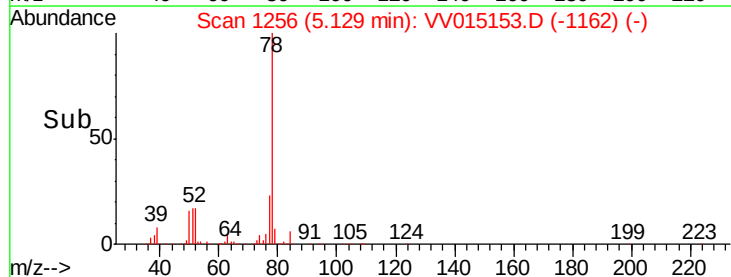
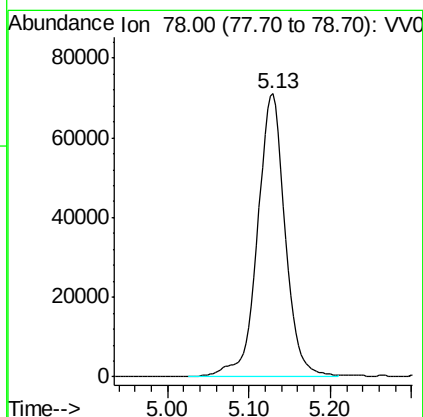
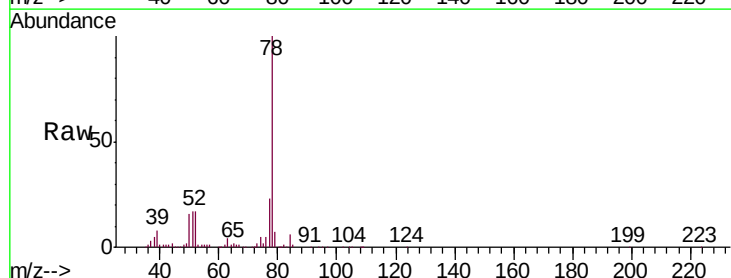
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD3DL

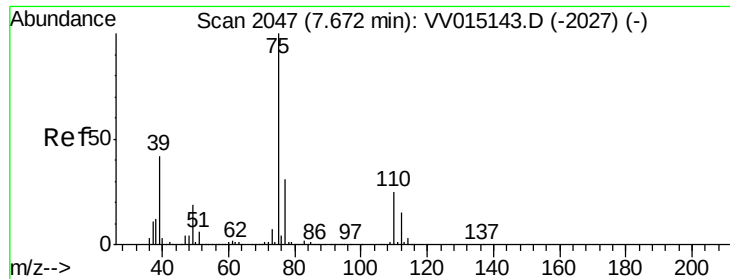
Tgt Ion: 62 Resp: 4237
 Ion Ratio Lower Upper
 62 100
 98 10.8 7.5 11.3



#33
 Benzene
 Concen: 11.612 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VV015153.D
 Acq: 25 Mar 2020 22:57

Tgt Ion: 78 Resp: 165991





#44

trans-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015153.D

Acq: 25 Mar 2020 22:57

Instrument :

MSVOA_V

ClientSampleId :

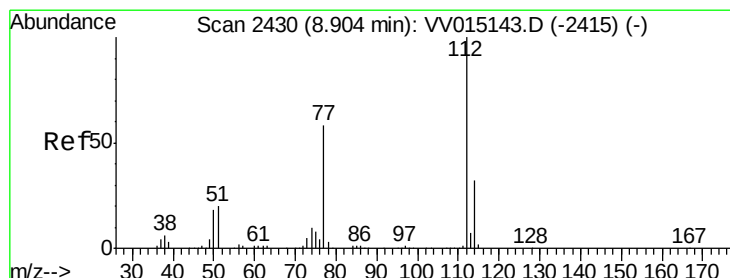
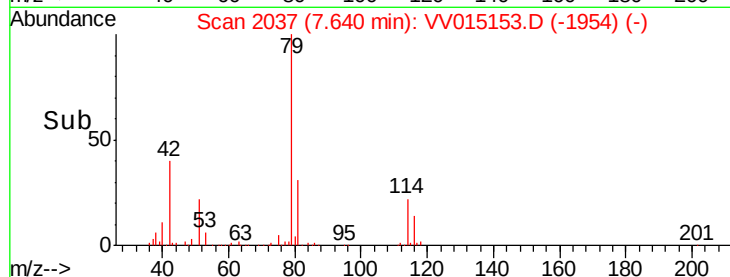
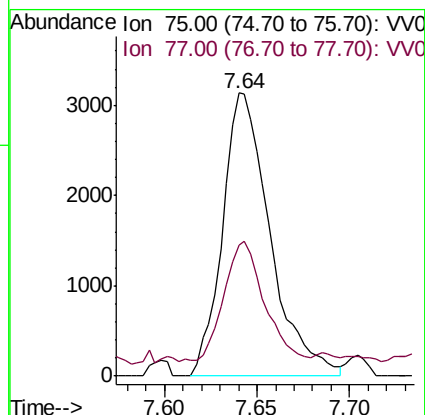
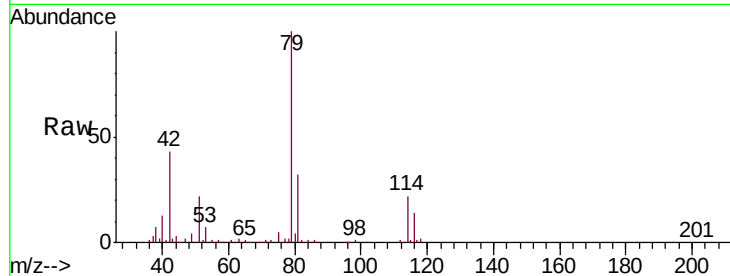
C0DD3DL

Tgt Ion: 75 Resp: 5583

Ion Ratio Lower Upper

75 100

77 46.3 22.0 41.0#



#51

Chlorobenzene

Concen: 45.457 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015153.D

Acq: 25 Mar 2020 22:57

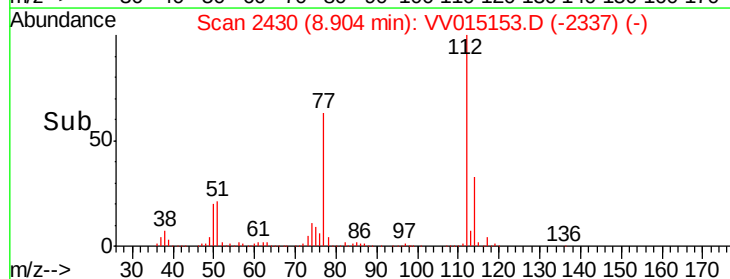
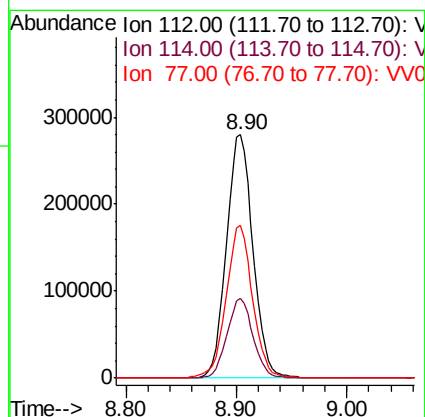
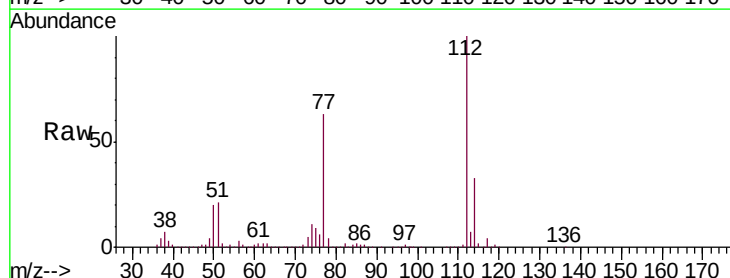
Tgt Ion: 112 Resp: 468438

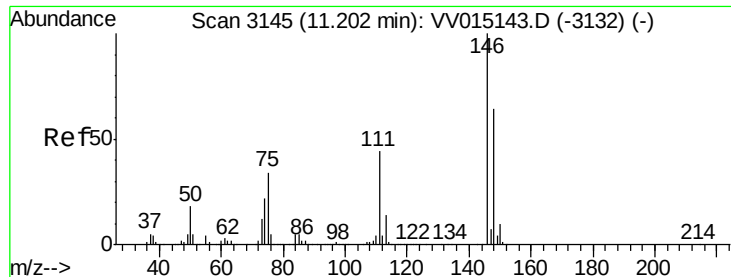
Ion Ratio Lower Upper

112 100

114 32.9 22.0 40.8

77 62.8 47.2 70.8





#62

1,3-Dichlorobenzene

Concen: 11.302 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015153.D

Acq: 25 Mar 2020 22:57

Instrument :

MSVOA_V

ClientSampleId :

C0DD3DL

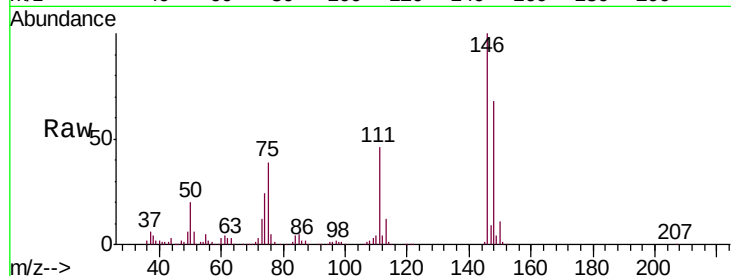
Tgt Ion:146 Resp: 81501

Ion Ratio Lower Upper

146 100

111 45.7 29.3 54.5

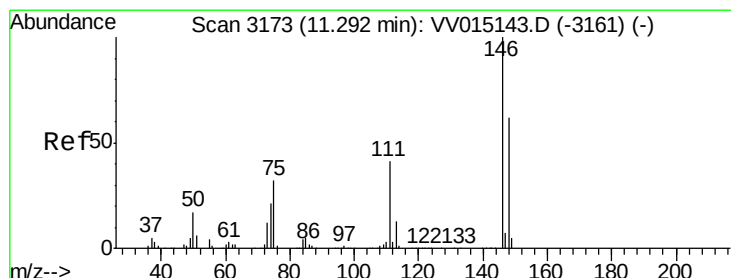
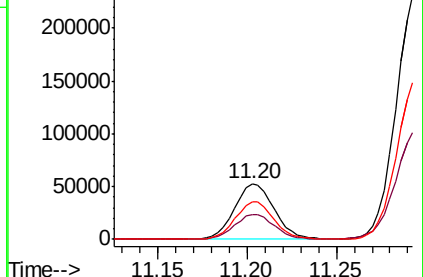
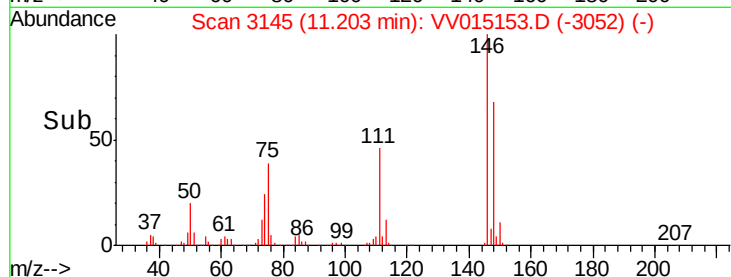
148 67.5 44.7 82.9



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: 49.680 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015153.D

Acq: 25 Mar 2020 22:57

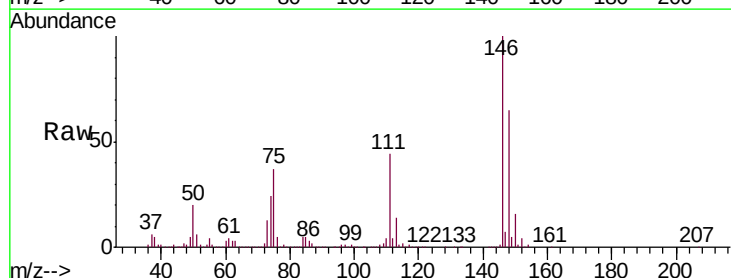
Tgt Ion:146 Resp: 364985

Ion Ratio Lower Upper

146 100

111 43.7 28.4 52.8

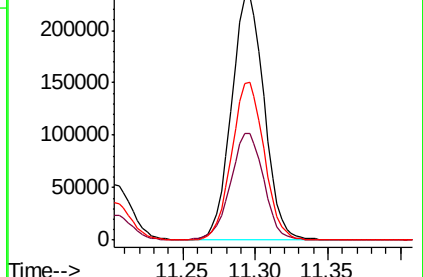
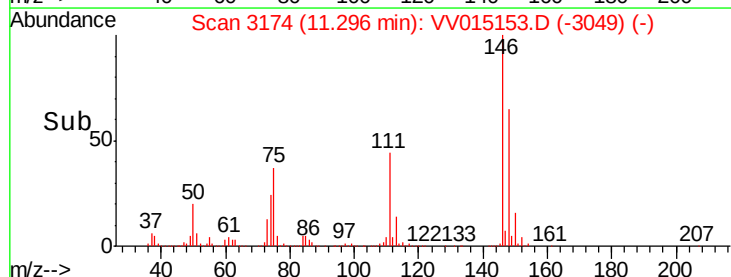
148 64.8 44.0 81.8

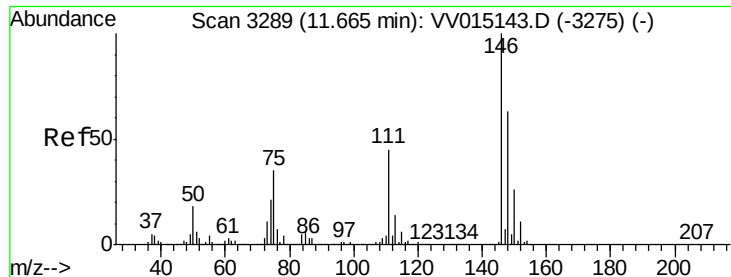


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

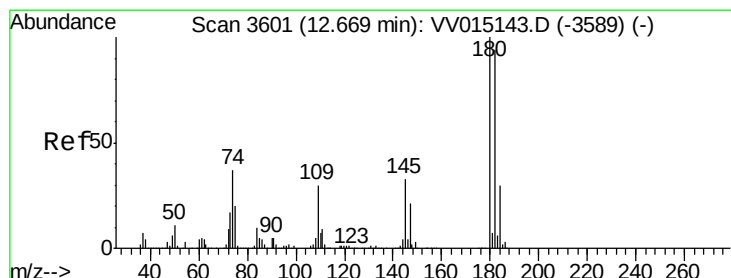
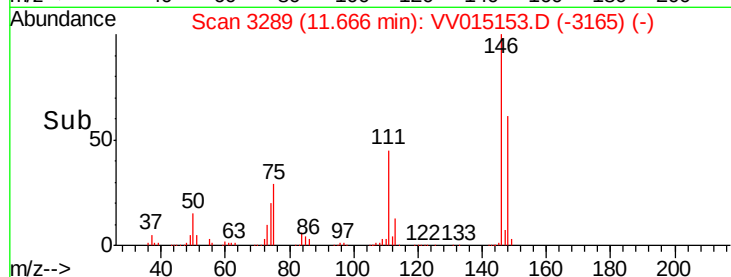
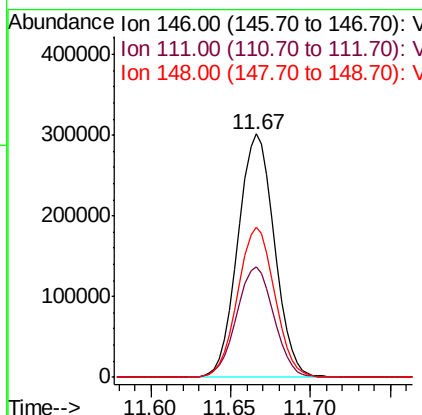
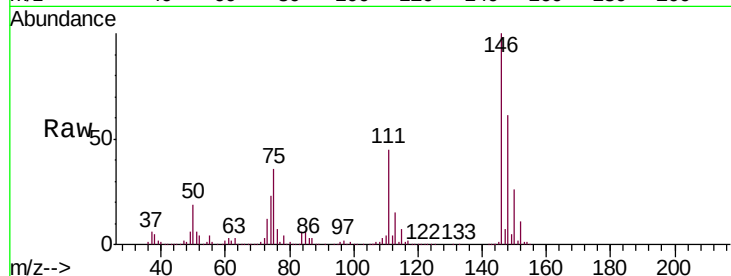




#65
 1,2-Dichlorobenzene
 Concen: 64.500 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015153.D
 Acq: 25 Mar 2020 22:57

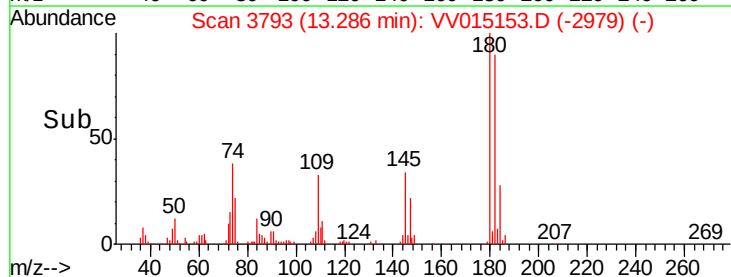
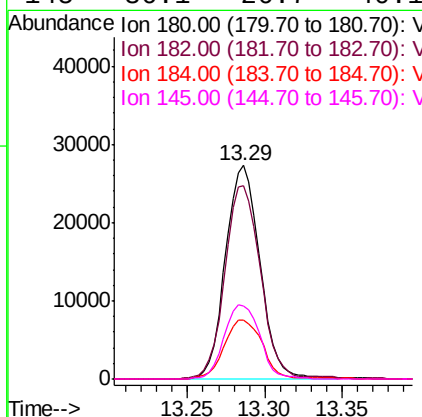
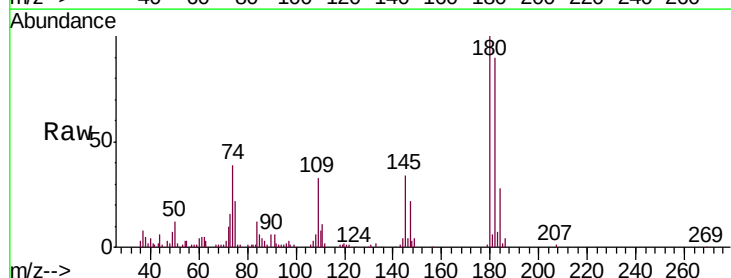
Instrument :
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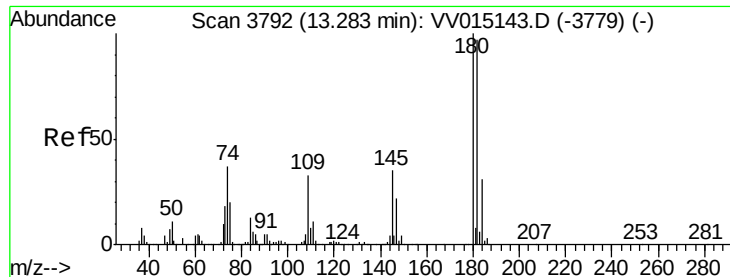
Tgt Ion:146 Resp: 469283
 Ion Ratio Lower Upper
 146 100
 111 45.4 35.4 53.2
 148 61.5 49.7 74.5



#67
 1,3,5-Trichlorobenzene
 Concen: 8.674 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015153.D
 Acq: 25 Mar 2020 22:57

Tgt Ion:180 Resp: 42150
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.1 114.1
 184 30.4 24.4 36.6
 145 36.1 26.7 40.1

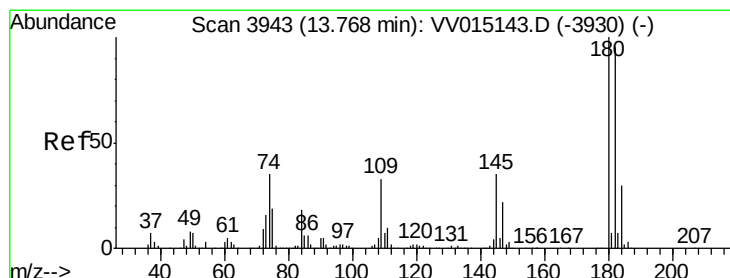
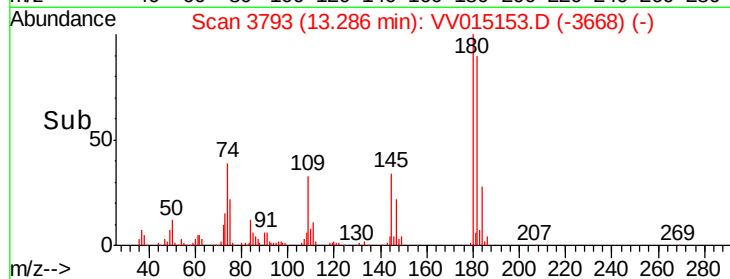
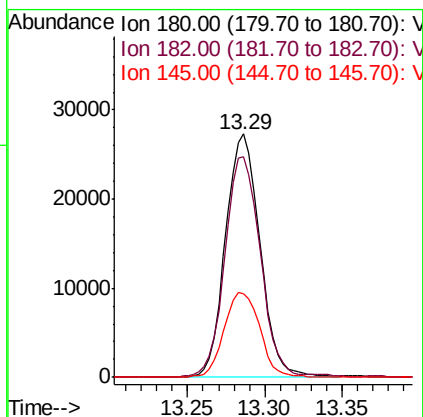
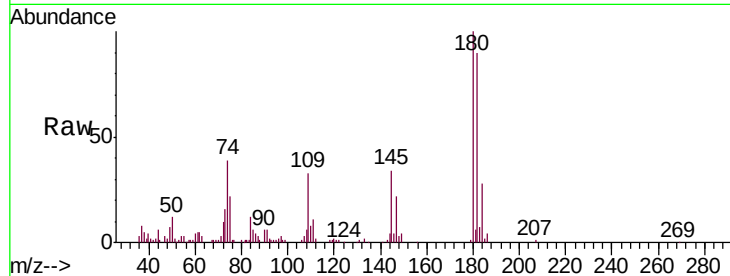




#68
 1,2,4-trichlorobenzene
 Concen: 9.212 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015153.D
 Acq: 25 Mar 2020 22:57

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD3DL

Tgt Ion:180 Resp: 42150
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.1 114.1
 145 36.1 26.6 40.0



#70
 1,2,3-Trichlorobenzene
 Concen: 4.267 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015153.D
 Acq: 25 Mar 2020 22:57

Tgt Ion:180 Resp: 19404
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.3 114.5
 145 36.5 29.6 44.4

