

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012420\
 Data File : VV014393.D
 Acq On : 24 Jan 2020 16:22
 Operator : SY/MD
 Sample : L1253-03MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AB0MSD

Quant Time: Jan 27 15:32:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 25 00:18:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	910061	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	836378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	396771	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	189239	2.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.40%
7) Chloroethane-d5	1.58	69	173445	3.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.40%
11) 1,1-Dichloroethene-d2	2.13	63	325708	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.95	46	605090	39.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.12%
24) Chloroform-d	4.40	84	541749	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.08	65	261430	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.10	84	1018673	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
36) 1,2-Dichloropropane-d6	6.12	67	350267	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.36	98	806169	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.80%
43) trans-1,3-Dichloropropene-	7.66	79	123522	3.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.20%
46) 2-Hexanone-d5	8.13	63	736491	50.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	256807	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	318890	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	43345	0.681	ug/L	84
12) 1,1-Dichloroethene	2.14	96	209739	5.159	ug/L	85
14) Carbon disulfide	2.32	76	178777	0.991	ug/L	100
15) Methyl Acetate	2.47	43	106783	4.355	ug/L	98
16) Methylene chloride	2.54	84	151613	2.291	ug/L	92
18) trans-1,2-Dichloroethene	2.79	96	43655	0.714	ug/L	98
19) 1,1-Dichloroethane	3.23	63	58334	0.487	ug/L	99
21) 2-Butanone	4.05	43	115085	7.284	ug/L	80
22) cis-1,2-Dichloroethene	3.96	96	7826449	116.819	ug/L #	98
33) Benzene	5.14	78	1440828	5.594	ug/L	100
34) Trichloroethene	5.96	95	4749677	71.755	ug/L	98
42) Toluene	7.43	91	1506404	5.540	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	10556	0.254	ug/L	95
47) Tetrachloroethene	8.02	164	25319	0.560	ug/L	92
51) Chlorobenzene	8.92	112	921691	5.512	ug/L	98
53) m,p-xylene	9.18	106	8308	0.074	ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 25 00:18:39 2020
Response via : Initial Calibration

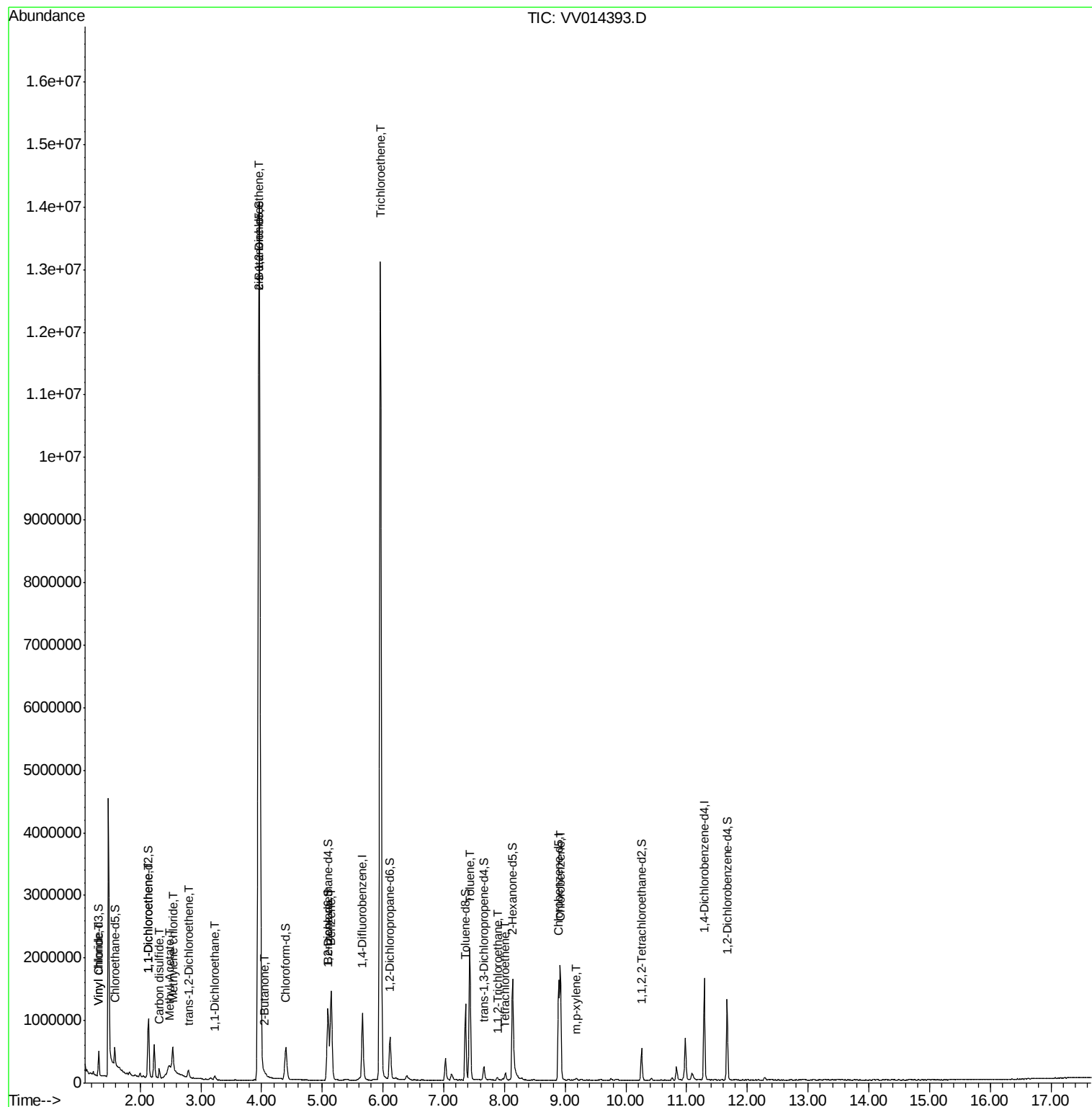
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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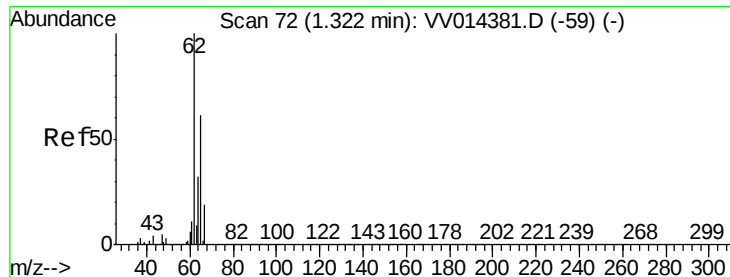
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#5

Vinyl chloride

Concen: 0.681 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014393.D

Acq: 24 Jan 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

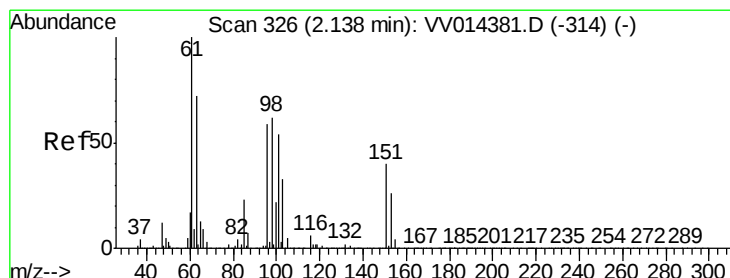
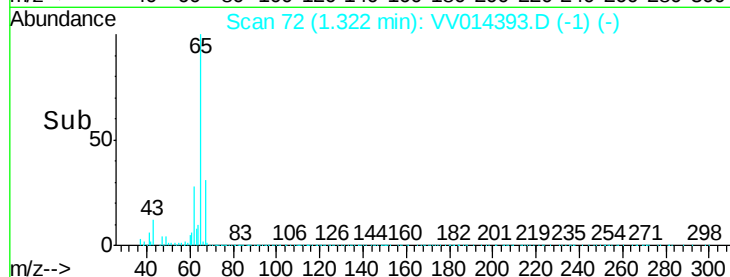
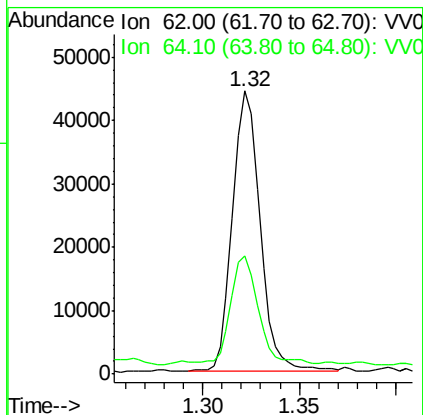
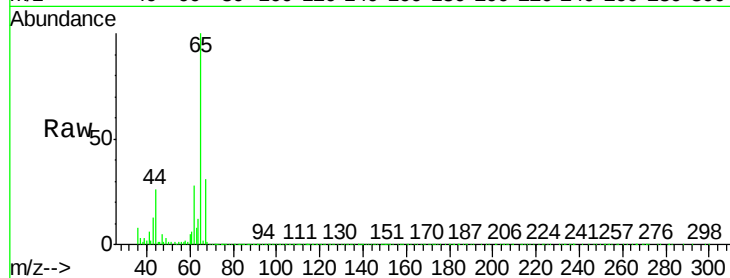
H0AB0MSD

Tot Ion: 62 Resp: 43345

Ion Ratio Lower Upper

62 100

64 42.0 23.0 42.6



#12

1,1-Dichloroethene

Concen: 5.159 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014393.D

Acq: 24 Jan 2020 16:22

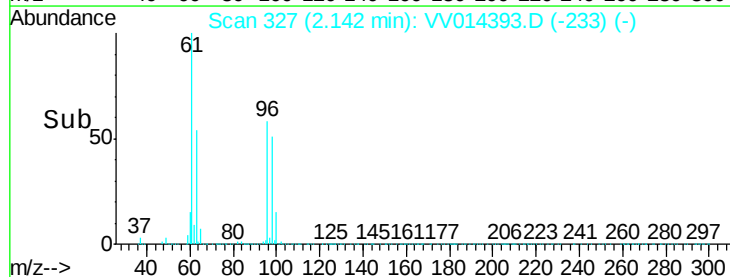
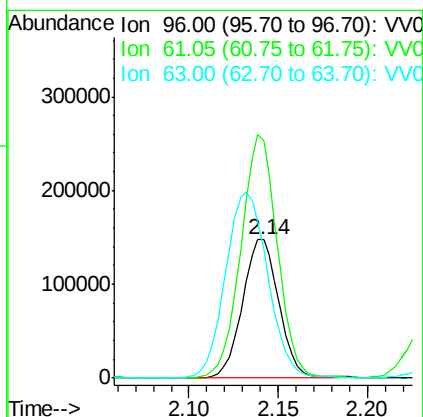
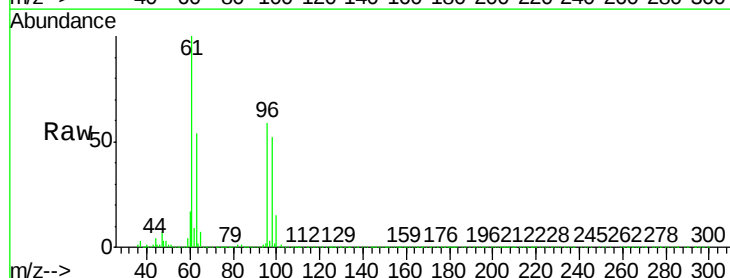
Tgt Ion: 96 Resp: 209739

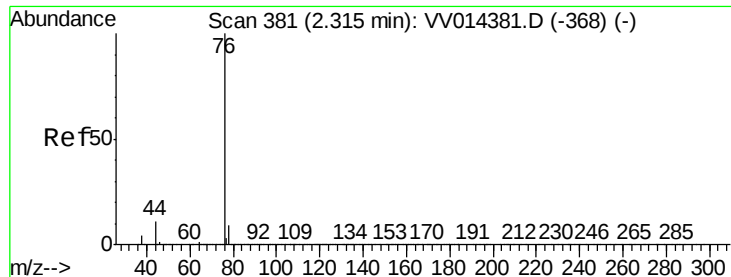
Ion Ratio Lower Upper

96 100

61 170.8 121.5 225.7

63 92.7 90.3 167.7





#14

Carbon disulfide

Concen: 0.991 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014393.D

Acq: 24 Jan 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

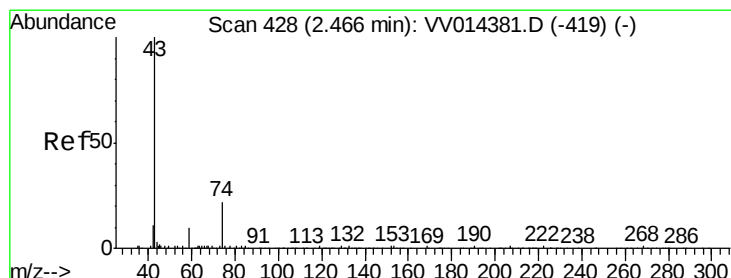
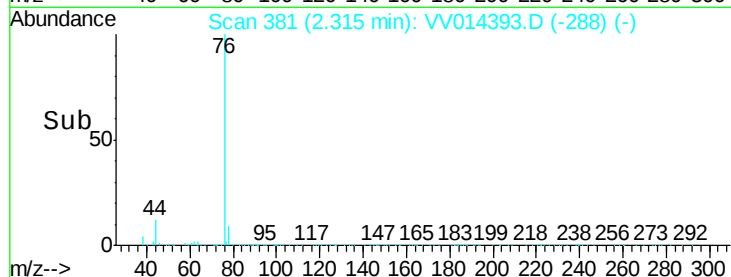
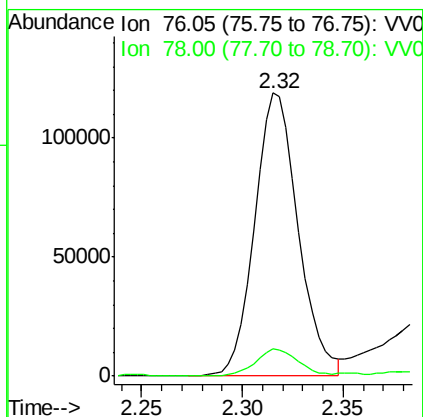
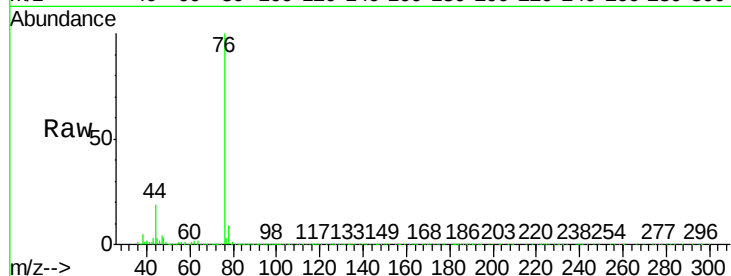
H0AB0MSD

Tot Ion: 76 Resp: 178777

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



#15

Methyl Acetate

Concen: 4.355 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.01 min

Lab File: VV014393.D

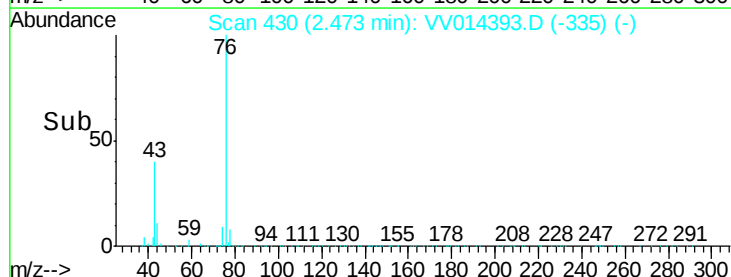
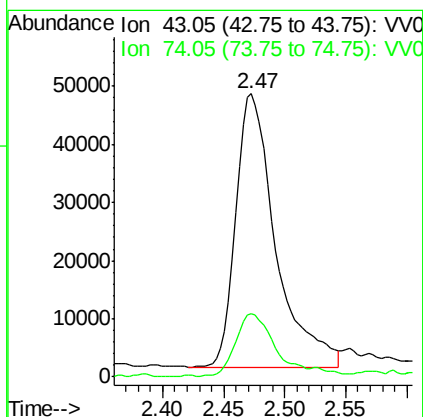
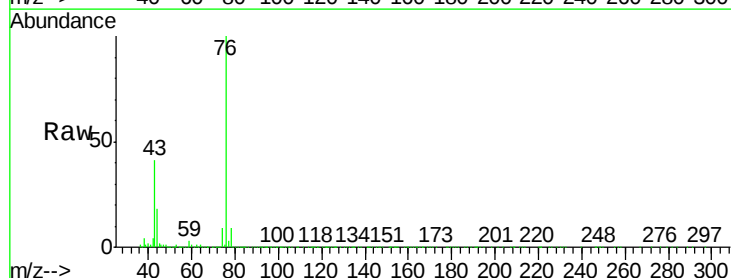
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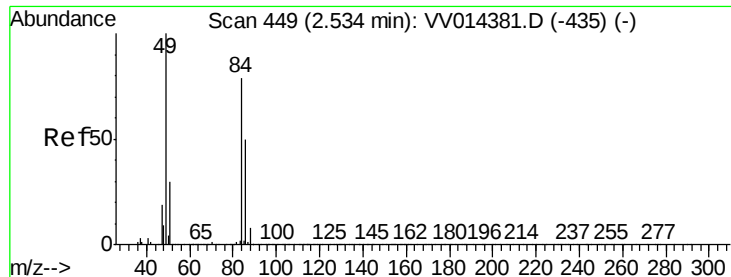
Tgt Ion: 43 Resp: 106783

Ion Ratio Lower Upper

43 100

74 22.5 18.6 28.0

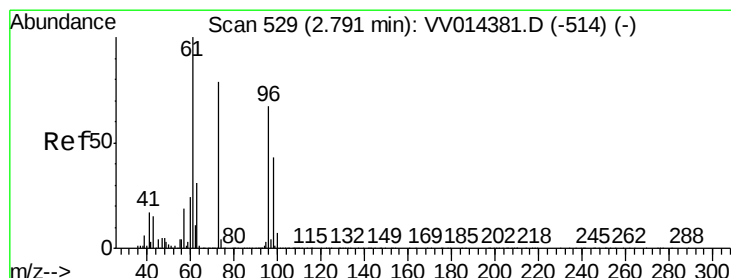
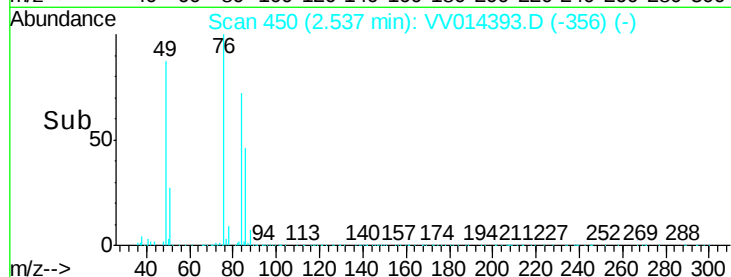
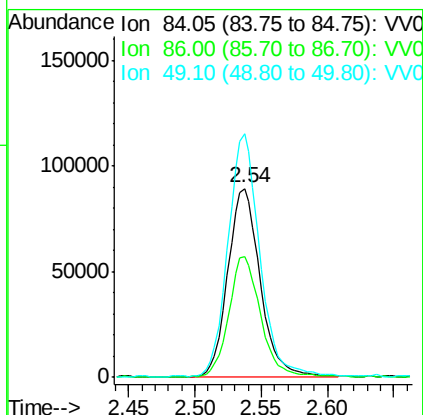
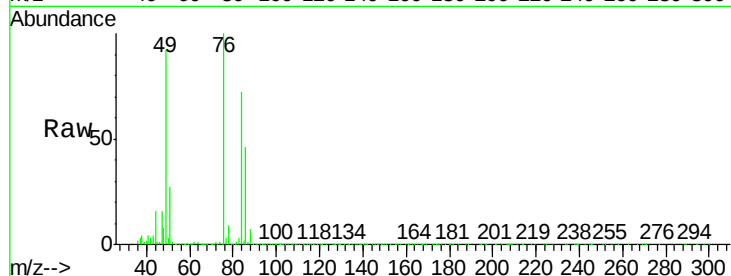




#16
Methvlene chloride
Concen: 2.291 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014393.D
Acq: 24 Jan 2020 16:22

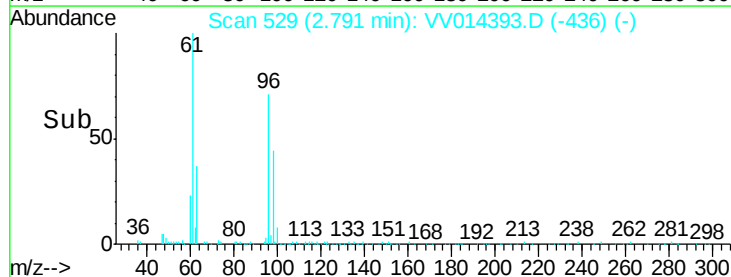
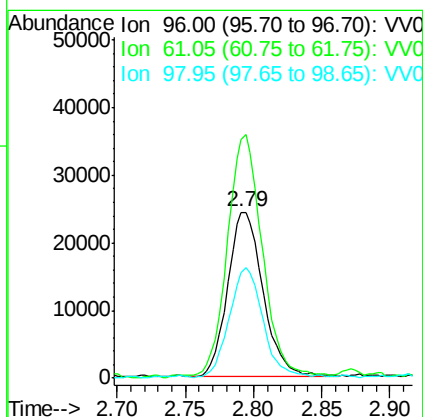
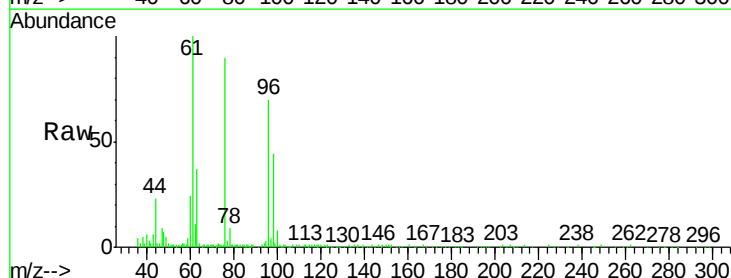
Instrument :
MSVOA_V
ClientSampleId :
H0AB0MSD

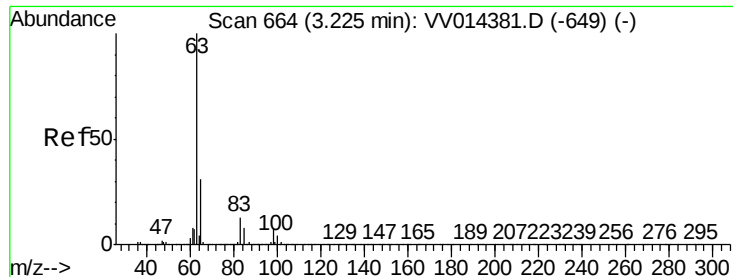
Tot Ion: 84 Resp: 151613
Ion Ratio Lower Upper
84 100
86 64.1 43.1 80.1
49 128.7 82.1 152.5



#18
trans-1,2-Dichloroethene
Concen: 0.714 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014393.D
Acq: 24 Jan 2020 16:22

Tgt Ion: 96 Resp: 43655
Ion Ratio Lower Upper
96 100
61 143.6 99.2 184.2
98 63.6 43.1 80.1

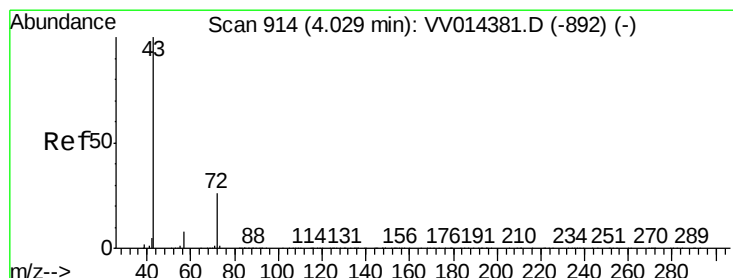
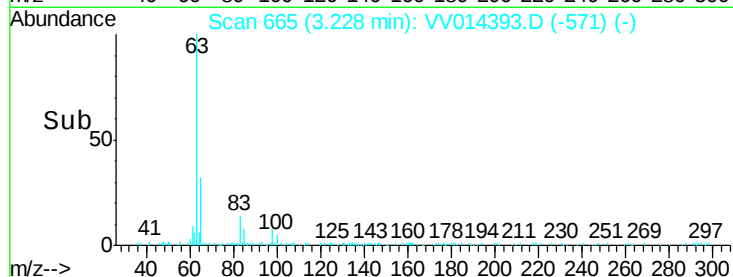
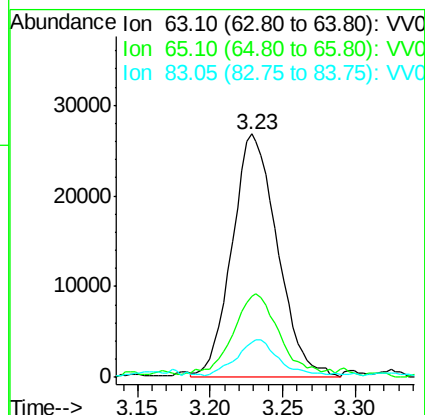
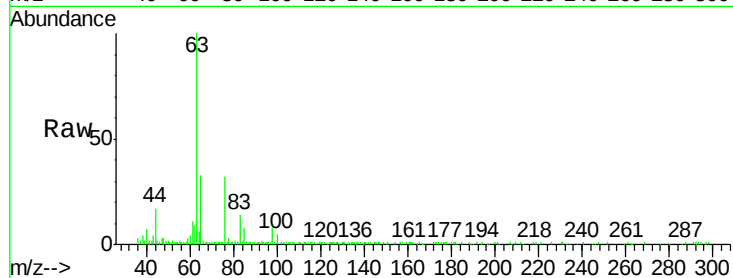




#19
 1,1-Dichloroethane
 Concen: 0.487 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014393.D
 Acq: 24 Jan 2020 16:22

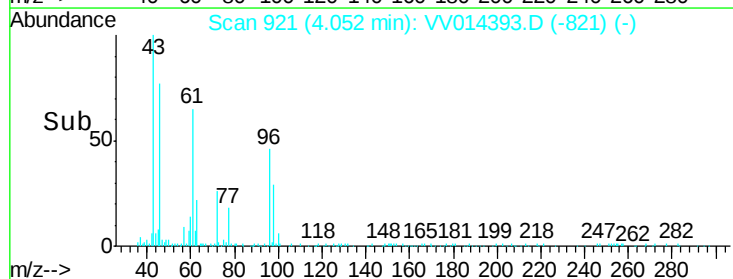
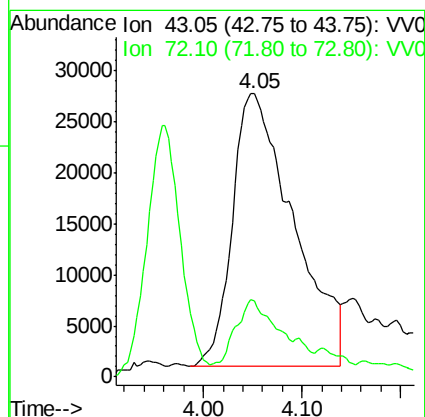
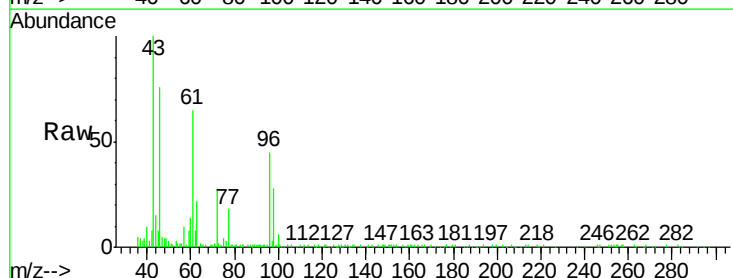
Instrument :
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 ClientSampleId :
 H0AB0MSD

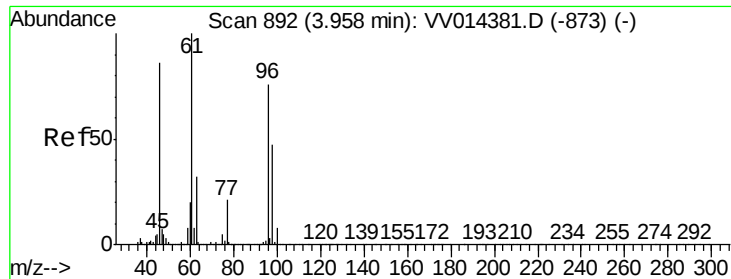
Tot Ion: 63 Resp: 58334
 Ion Ratio Lower Upper
 63 100
 65 33.3 22.7 42.3
 83 14.4 10.0 18.6



#21
 2-Butanone
 Concen: 7.284 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.02 min
 Lab File: VV014393.D
 Acq: 24 Jan 2020 16:22

Tgt Ion: 43 Resp: 115085
 Ion Ratio Lower Upper
 43 100
 72 14.6 12.4 37.2



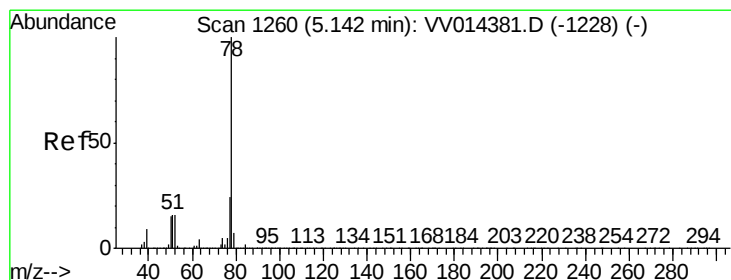
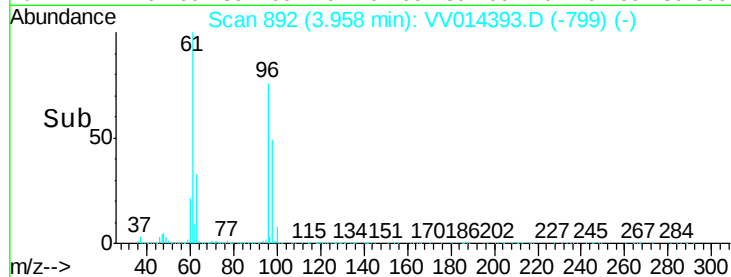
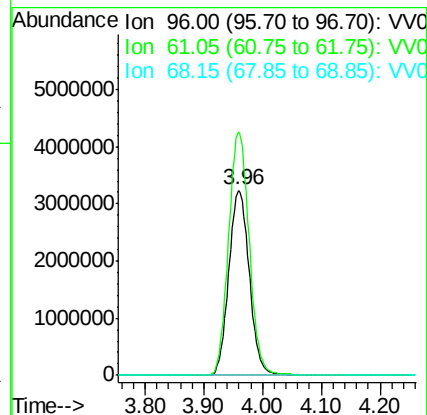
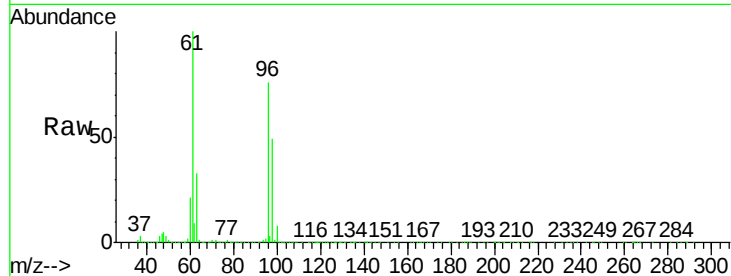


#22

cis-1,2-Dichloroethene
 Concen: 116.819 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014393.D
 Acq: 24 Jan 2020 16:22

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 MSVOA_V
 ClientSampleId :
 H0AB0MSD

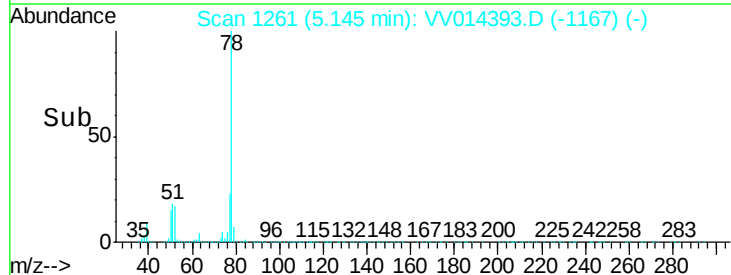
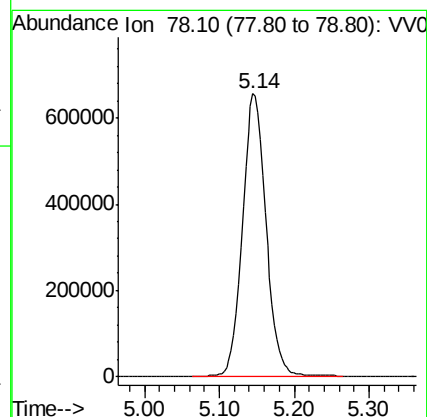
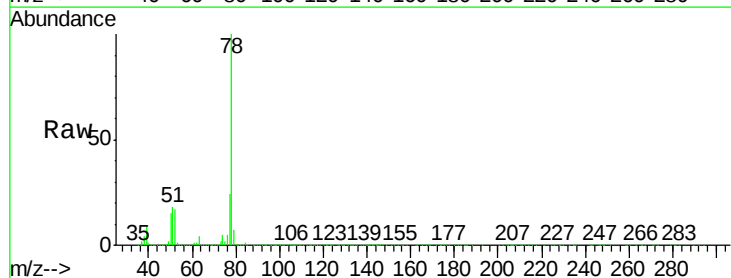
Tot Ion: 96 Resp: 7826449
 Ion Ratio Lower Upper
 96 100
 61 131.7 90.6 168.3
 68 0.0 0.3 0.7#

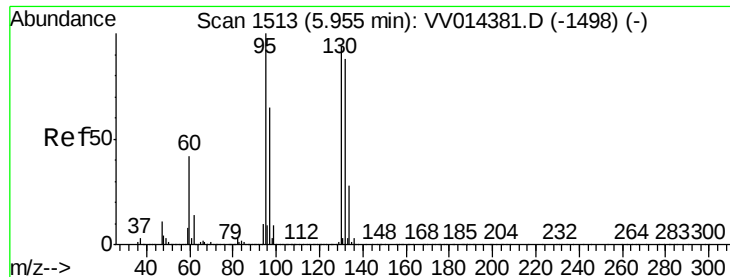


#33

Benzene
 Concen: 5.594 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV014393.D
 Acq: 24 Jan 2020 16:22

Tgt Ion: 78 Resp: 1440828





#34

Trichloroethene

Concen: 71.755 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014393.D

Acq: 24 Jan 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

H0AB0MSD

Tot Ion: 95 Resp: 4749677

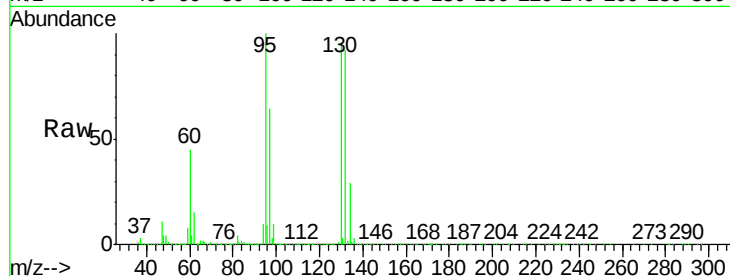
Ion Ratio Lower Upper

95 100

97 64.5 43.8 81.3

132 92.3 63.4 117.8

130 96.3 65.7 122.1

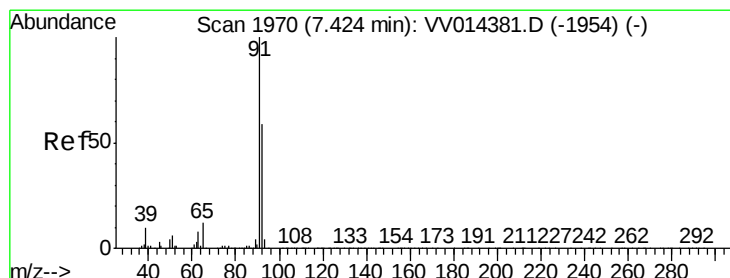
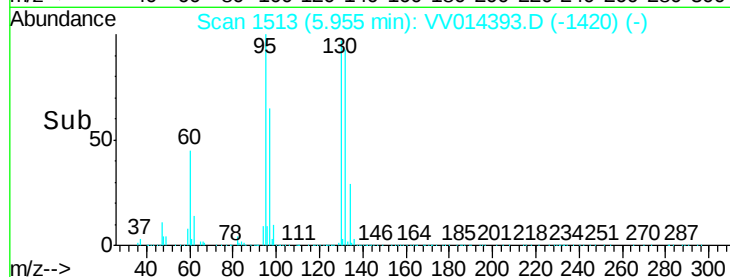
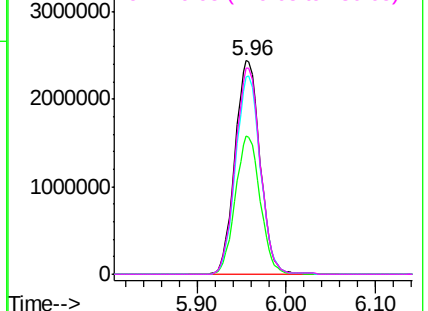


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 5.540 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014393.D

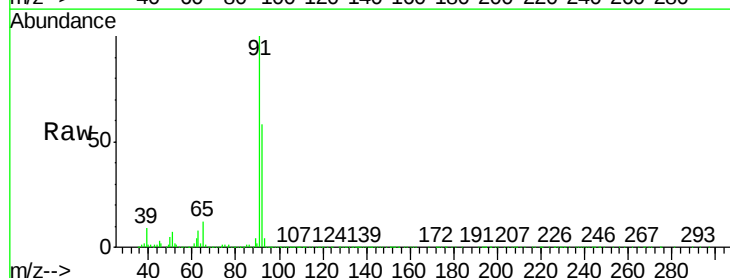
Acq: 24 Jan 2020 16:22

Tgt Ion: 91 Resp: 1506404

Ion Ratio Lower Upper

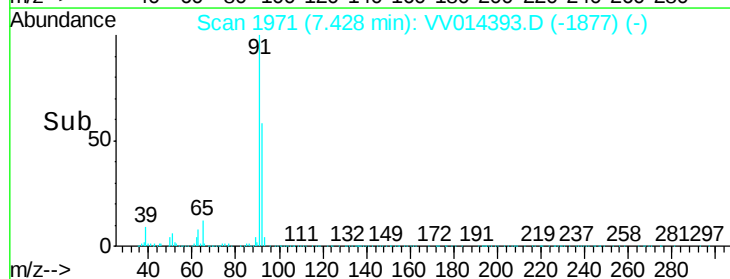
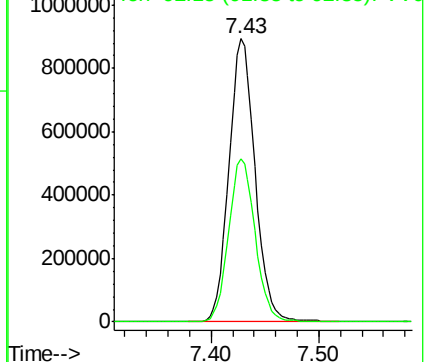
91 100

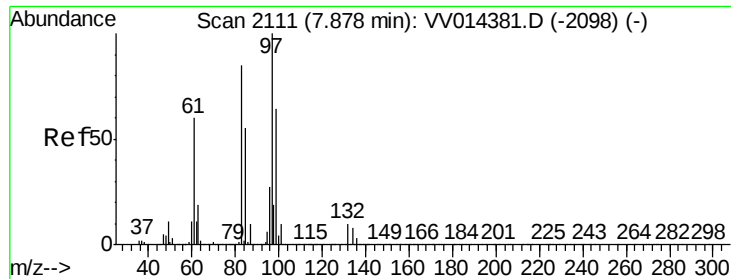
92 57.8 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

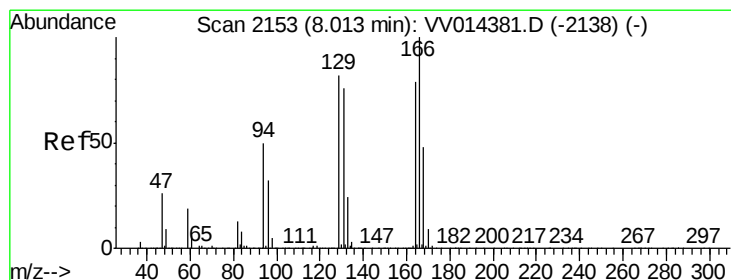
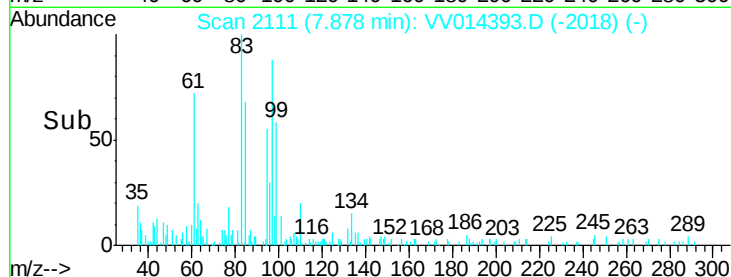
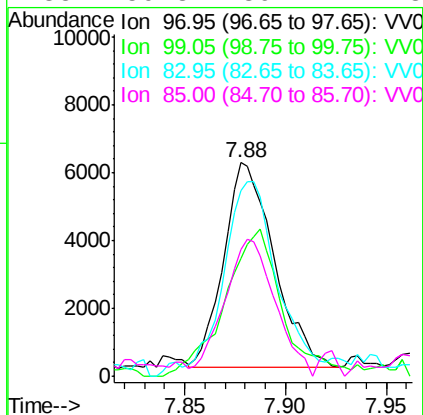
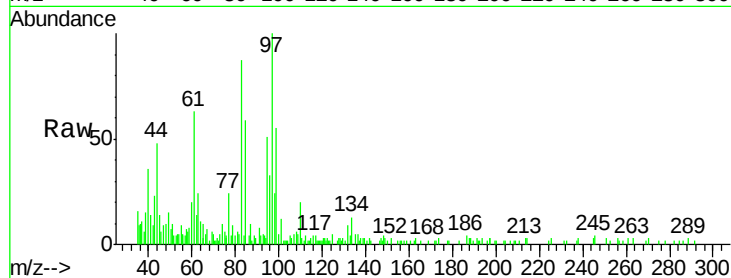




#45
1,1,2-Trichloroethane
Concen: 0.254 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014393.D
Acq: 24 Jan 2020 16:22

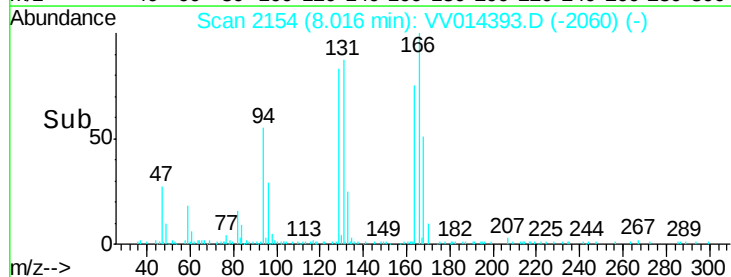
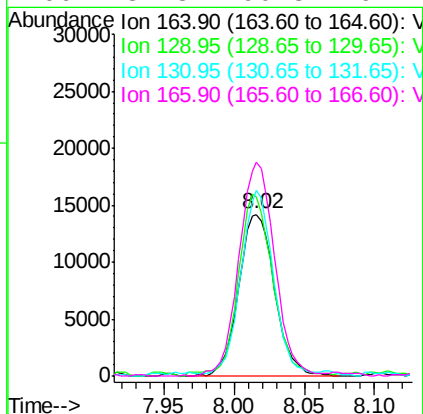
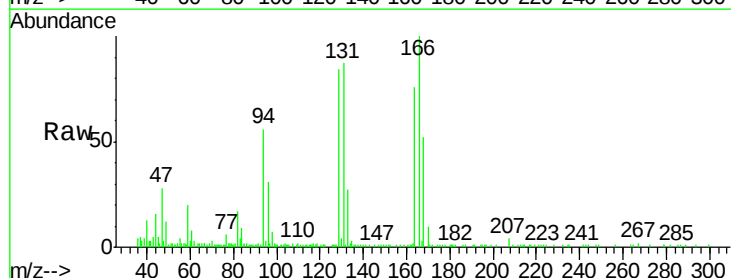
Instrument :
MSVOA_V
ClientSampleId :
H0AB0MSD

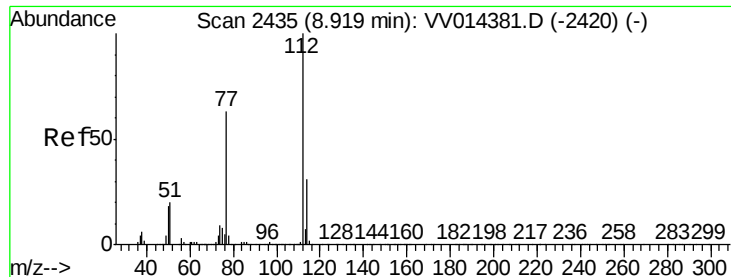
Tot Ion:	97	Resp:	10556
Ion	Ratio	Lower	Upper
97	100		
99	54.8	43.7	81.1
83	86.8	60.0	111.4
85	59.3	39.2	72.8



#47
Tetrachloroethene
Concen: 0.560 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014393.D
Acq: 24 Jan 2020 16:22

Tgt Ion:	164	Resp:	25319
Ion	Ratio	Lower	Upper
164	100		
129	110.7	71.7	133.3
131	115.0	70.4	130.8
166	132.3	90.3	167.7





#51

Chlorobenzene

Concen: 5.512 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV014393.D

Acq: 24 Jan 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

H0AB0MSD

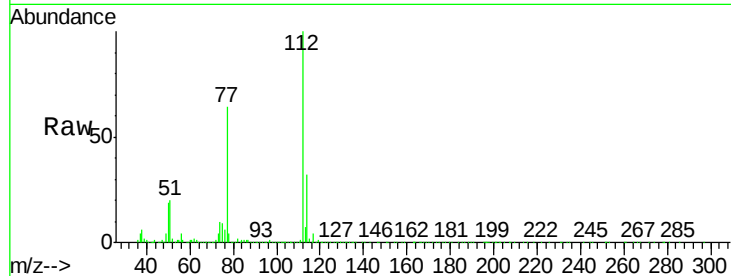
Tot Ion:112 Resp: 921691

Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

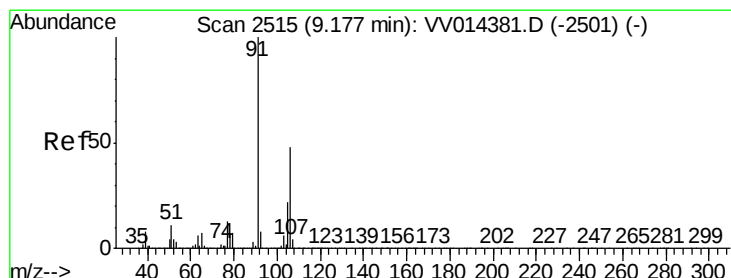
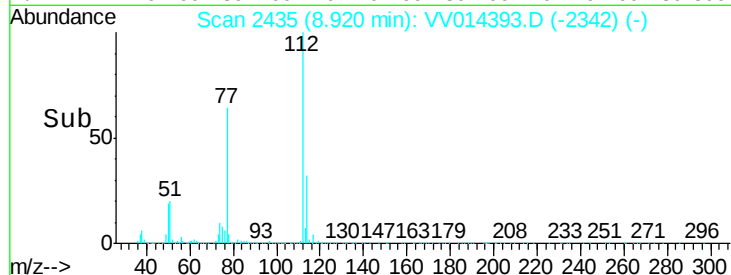
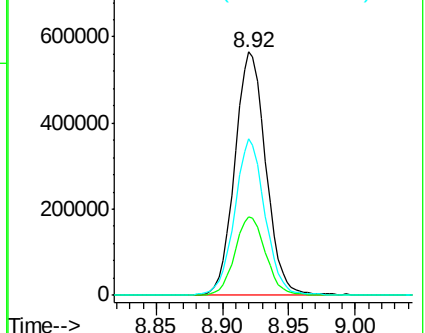
77 64.1 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#53

m,p-xylene

Concen: 0.074 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.01 min

Lab File: VV014393.D

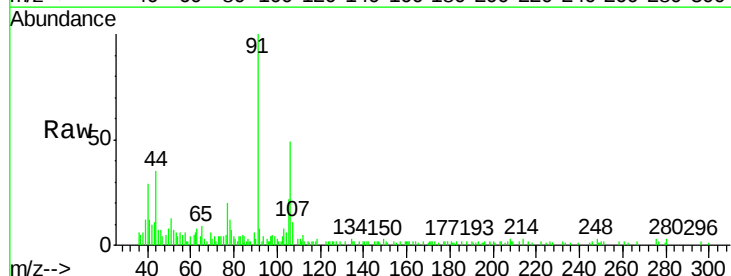
Acq: 24 Jan 2020 16:22

Tgt Ion:106 Resp: 8308

Ion Ratio Lower Upper

106 100

91 203.8 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): V

