

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015375.D
 Acq On : 02 Apr 2020 15:36
 Operator : SY/MD
 Sample : L2005-08 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:33:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 01:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	715806	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	696632	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	326061	50.00	ug/L	0.00

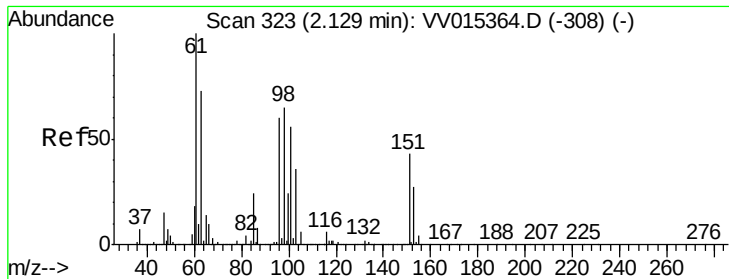
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	216440	33.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.44%
7) Chloroethane-d5	1.58	69	196724	35.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.76%
11) 1,1-Dichloroethene-d2	2.12	63	338157	29.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.96%#
21) 2-Butanone-d5	3.94	46	284149	83.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.30%
24) Chloroform-d	4.38	84	411547	38.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.68%
26) 1,2-Dichloroethane-d4	5.06	65	271011	41.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.12%
32) Benzene-d6	5.07	84	858861	40.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.06%
36) 1,2-Dichloropropane-d6	6.09	67	259744	41.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.12%
41) Toluene-d8	7.34	98	831960	40.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.10%
43) trans-1,3-Dichloropropene-	7.64	79	131422	37.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.20%
47) 2-Hexanone-d5	8.12	63	227261	78.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.67%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	366652	40.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	315760	42.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3546	0.657	ug/L #	31
25) Chloroform	4.41	83	13935	1.444	ug/L	94
33) Benzene	5.13	78	904543	43.869	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	8998	1.058	ug/L #	71
48) 2-Hexanone	8.12	43	27465	5.098	ug/L #	79
51) Chlorobenzene	8.90	112	2045669	136.208	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	31908	2.907	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	607523	54.570	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	594018	53.056	ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	14378	1.976	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	14378	2.164	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	3955	0.578	ug/L	94

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



#10

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

Concen: 0.657 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

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Instrument :

MSVOA_V

ClientSampleId :

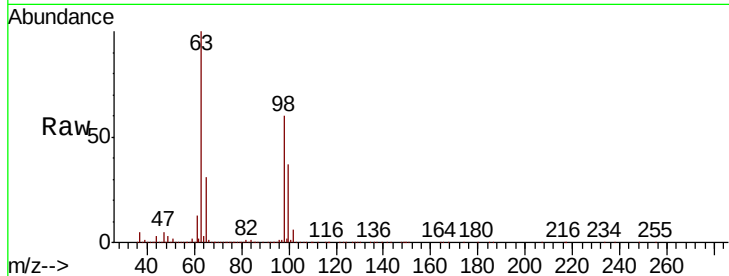
Tot Ion:101 Resp: 3546

Ion Ratio Lower Upper

101 100

85 10.5 36.1 54.1#

151 5.9 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

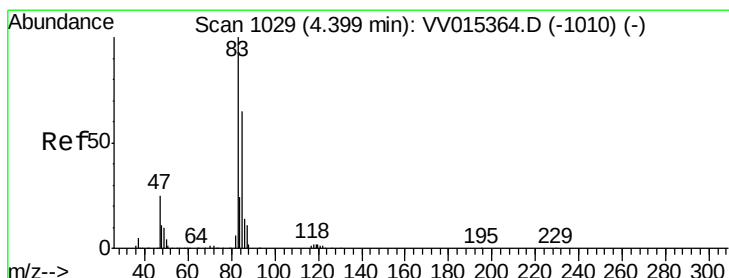
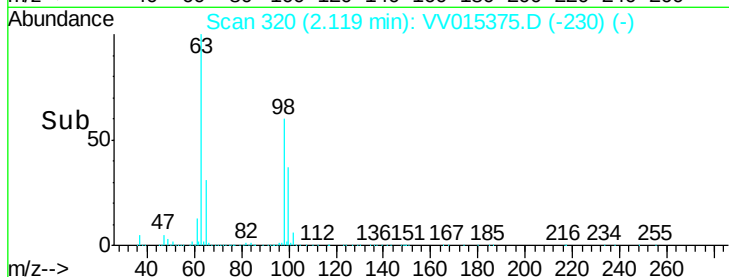
Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.12

2.10 2.15

Time-->



#25

Chloroform

Concen: 1.444 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015375.D

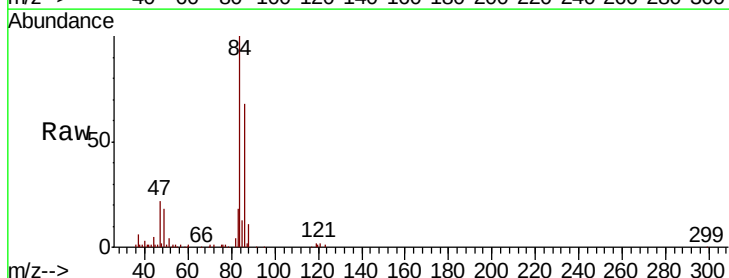
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Tgt Ion: 83 Resp: 13935

Ion Ratio Lower Upper

83 100

85 69.4 45.1 83.9



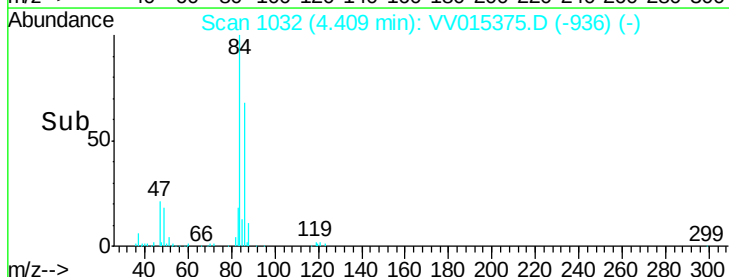
Abundance Ion 83.00 (82.70 to 83.70): VV0

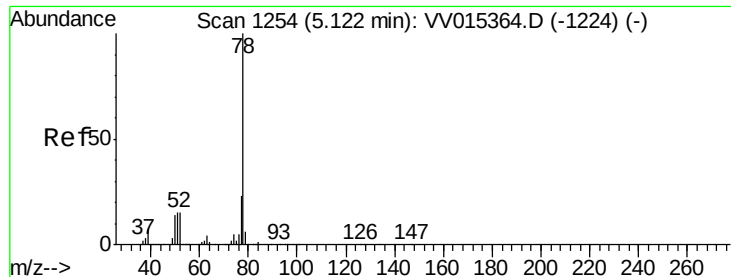
Ion 85.00 (84.70 to 85.70): VV0

4.41

4.30 4.35 4.40 4.45 4.50

Time-->

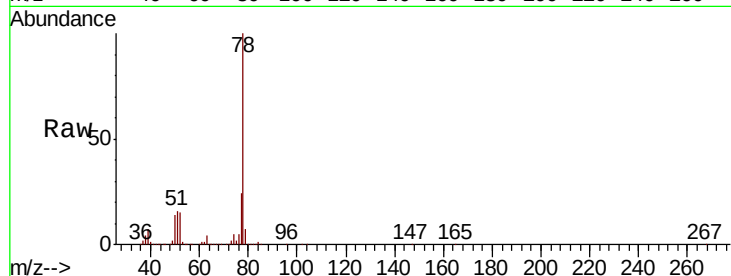




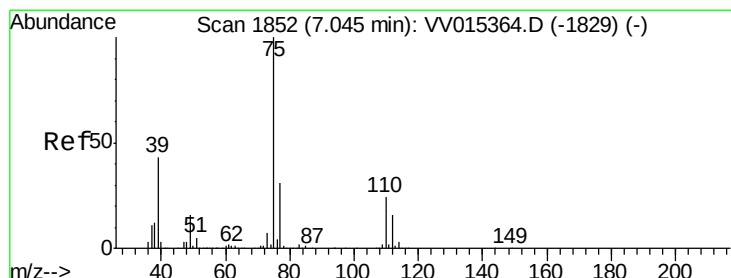
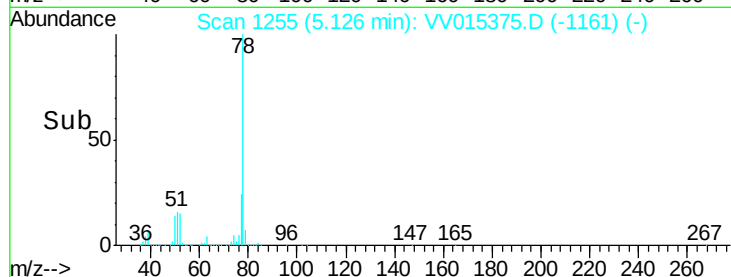
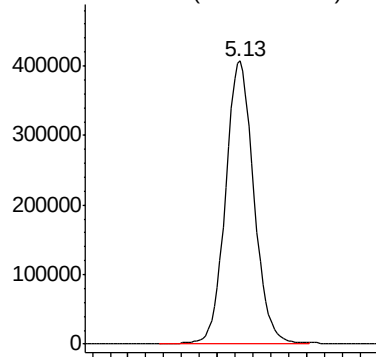
#33
Benzene
Concen: 43.869 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015375.D
Acq: 02 Apr 2020 15:36

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 904543

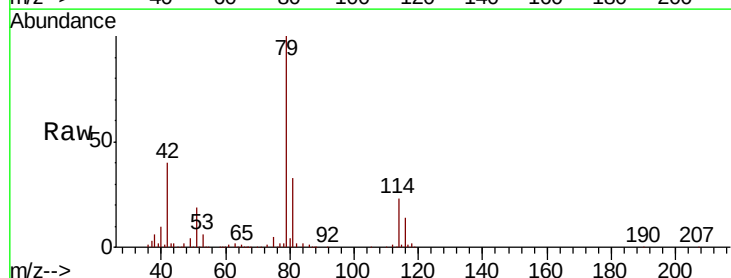


Abundance Ion 78.00 (77.70 to 78.70): VV0

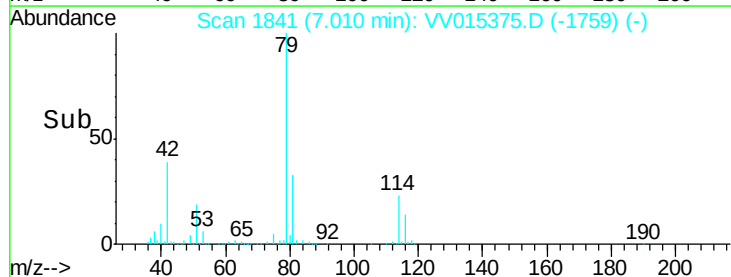
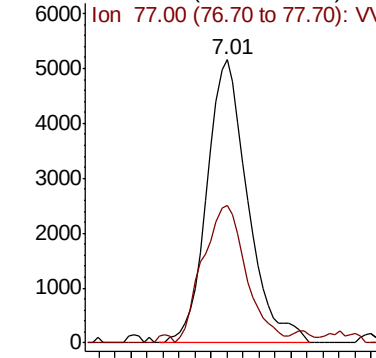


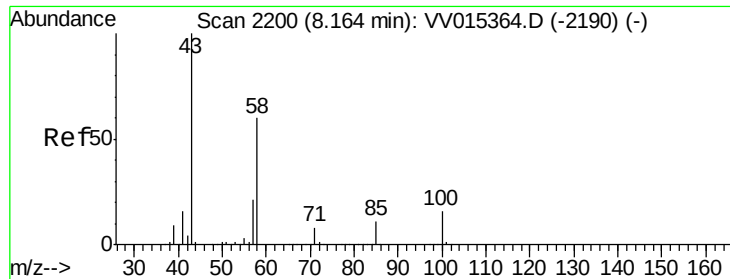
#39
cis-1,3-Dichloropropene
Concen: 1.058 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV015375.D
Acq: 02 Apr 2020 15:36

Tgt Ion: 75 Resp: 8998
Ion Ratio Lower Upper
75 100
77 48.6 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

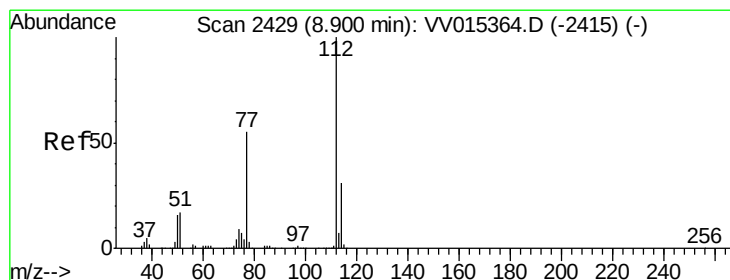
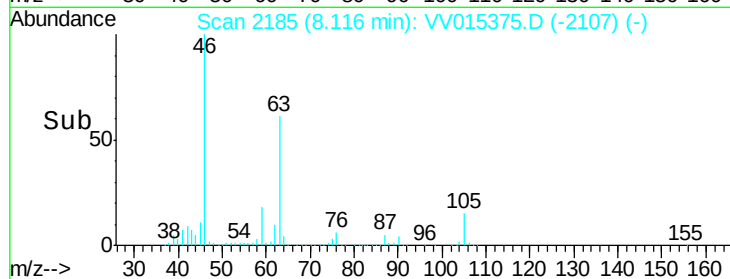
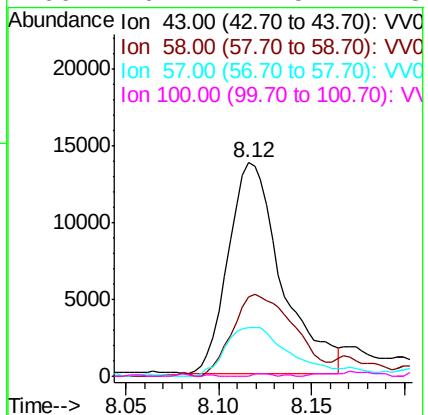
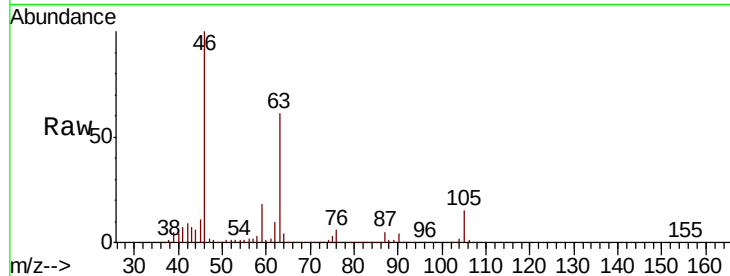




#48
2-Hexanone
Concen: 5.098 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015375.D
Acq: 02 Apr 2020 15:36

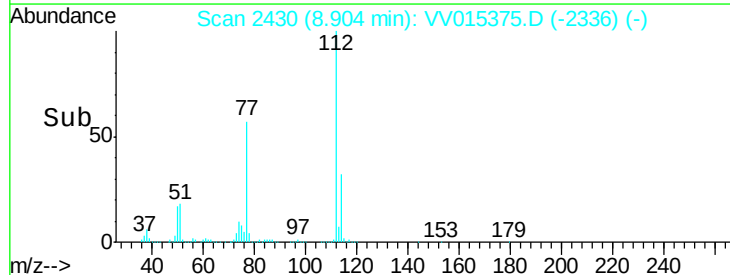
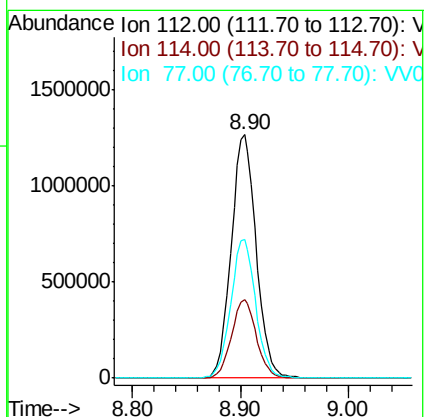
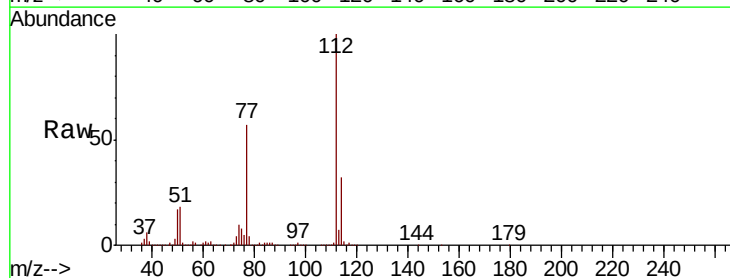
Instrument :
MSVOA_V
ClientSampleId :

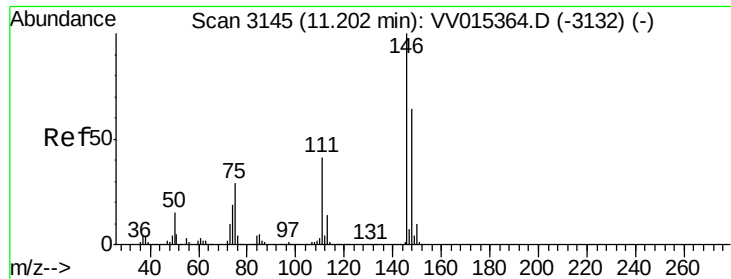
Tot Ion: 43 Resp: 27465
Ion Ratio Lower Upper
43 100
58 44.7 47.4 71.2#
57 27.6 16.7 25.1#
100 0.4 11.5 17.3#



#51
Chlorobenzene
Concen: 136.208 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015375.D
Acq: 02 Apr 2020 15:36

Tgt Ion: 112 Resp: 2045669
Ion Ratio Lower Upper
112 100
114 32.3 21.8 40.4
77 56.9 46.2 69.2

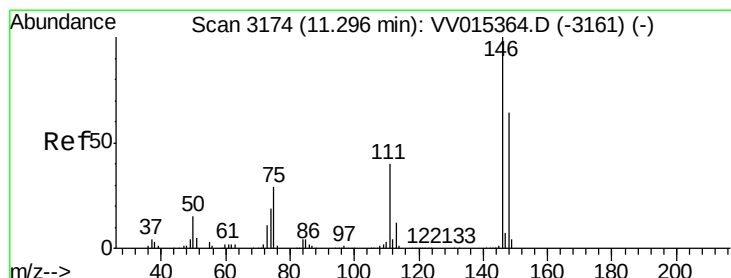
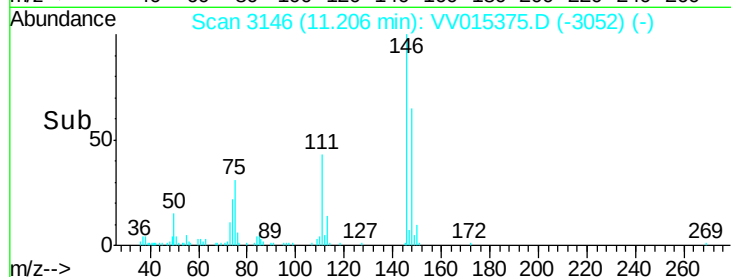
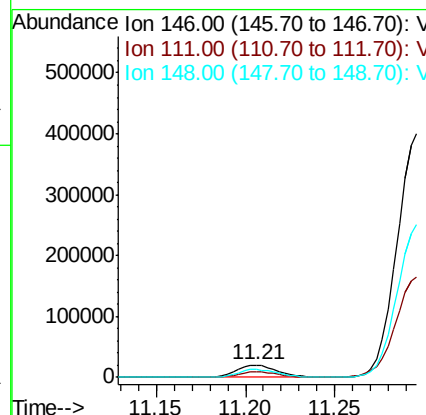
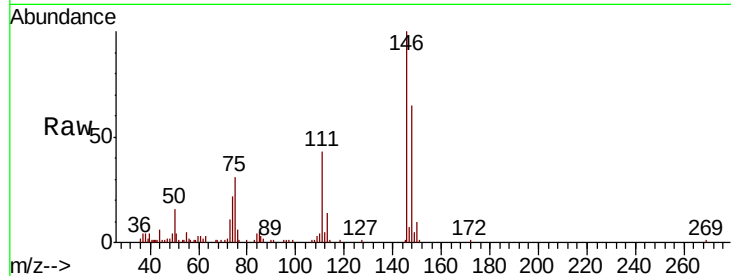




#62
 1,3-Dichlorobenzene
 Concen: 2.907 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015375.D
 Acq: 02 Apr 2020 15:36

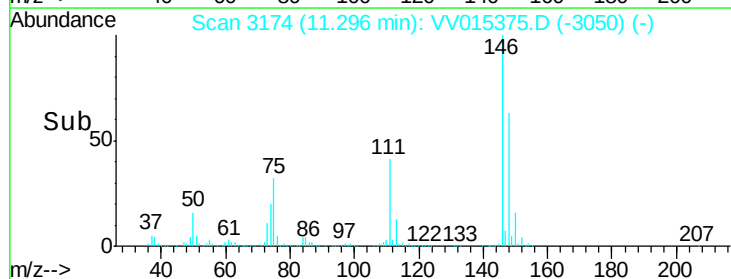
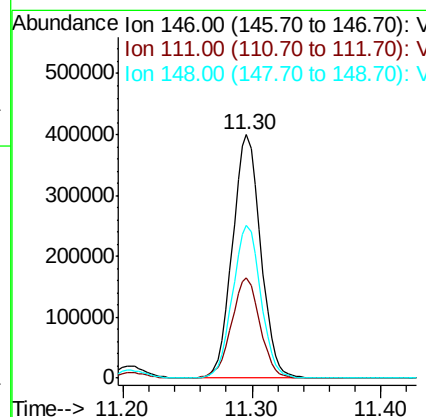
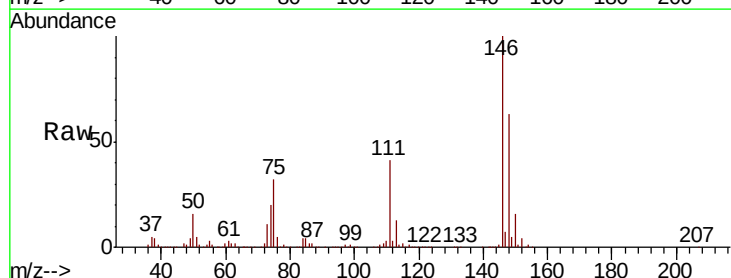
Instrument :
 MSVOA_V
 ClientSampled :

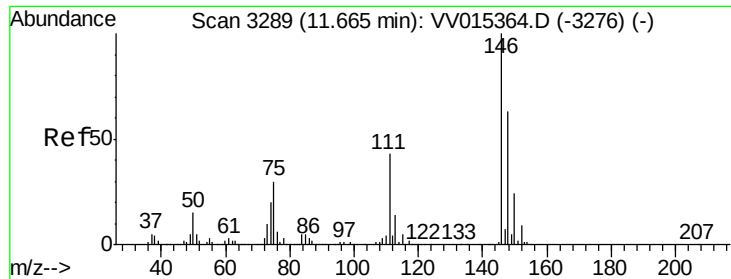
Tot Ion:146 Resp: 31908
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.2 56.2
 148 64.9 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 54.570 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015375.D
 Acq: 02 Apr 2020 15:36

Tgt Ion:146 Resp: 607523
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.3 54.5
 148 62.8 44.7 82.9

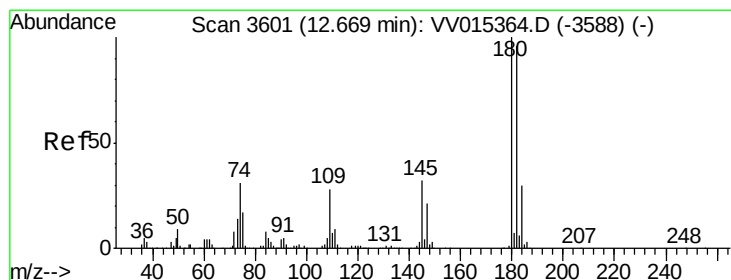
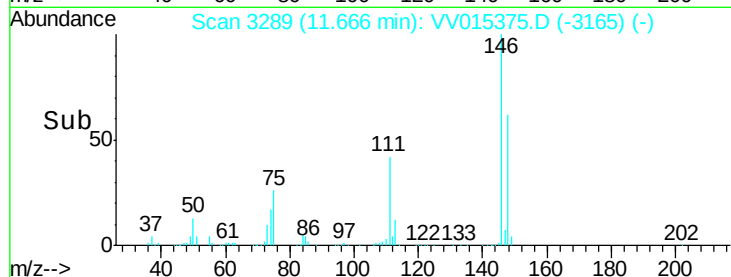
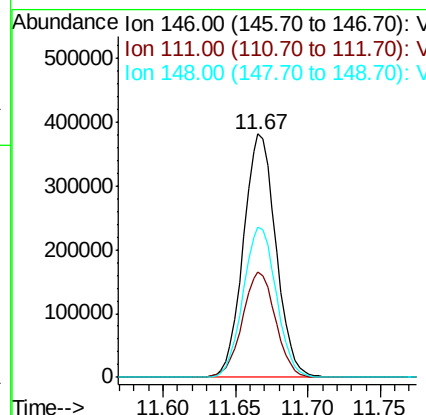
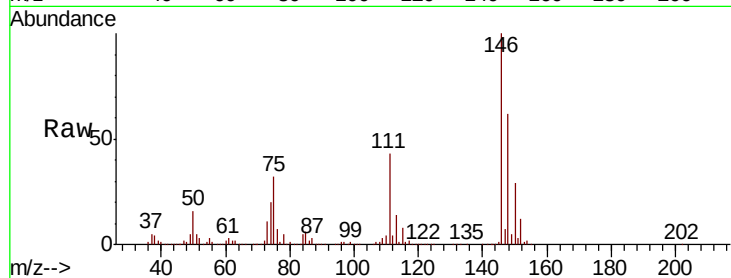




#65
 1,2-Dichlorobenzene
 Concen: 53.056 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015375.D
 Acq: 02 Apr 2020 15:36

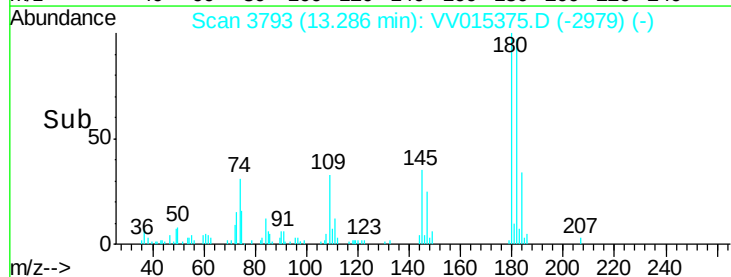
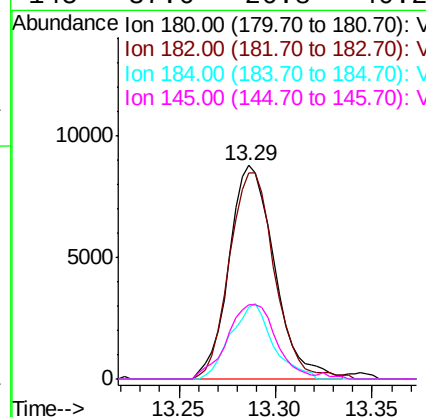
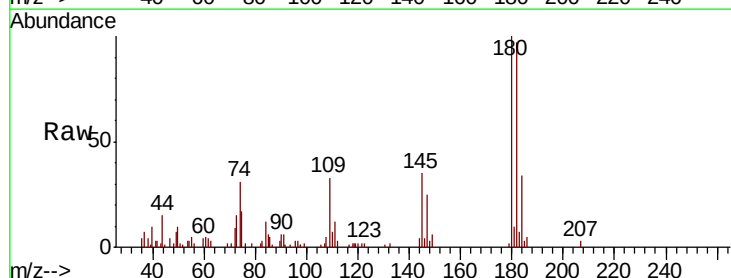
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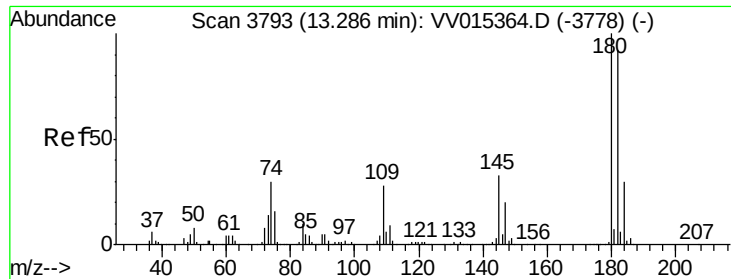
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	35.1	52.7
148	61.8	51.0	76.4



#67
 1,3,5-Trichlorobenzene
 Concen: 1.976 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015375.D
 Acq: 02 Apr 2020 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.7	112.1
184	32.7	23.7	35.5
145	37.6	26.8	40.2

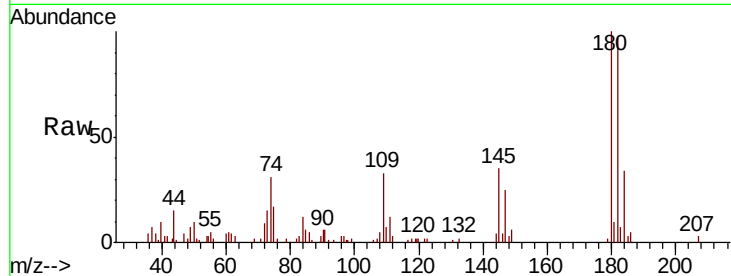




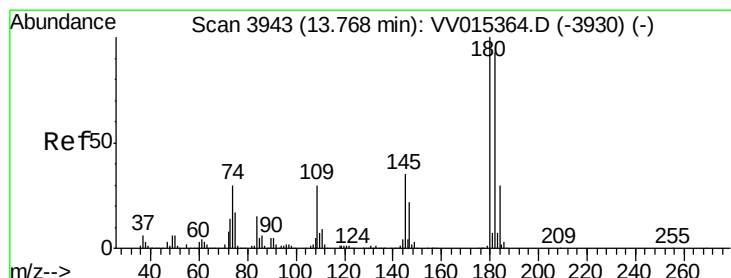
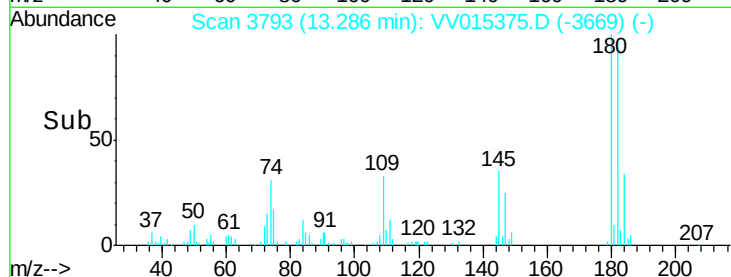
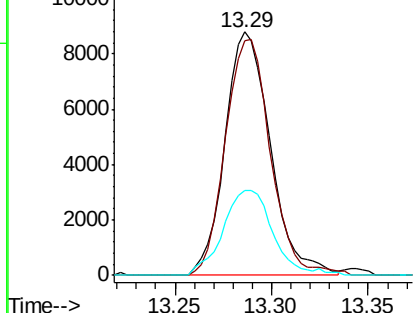
#68
 1,2,4-trichlorobenzene
 Concen: 2.164 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015375.D
 Acq: 02 Apr 2020 15:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	37.6	27.7	41.5

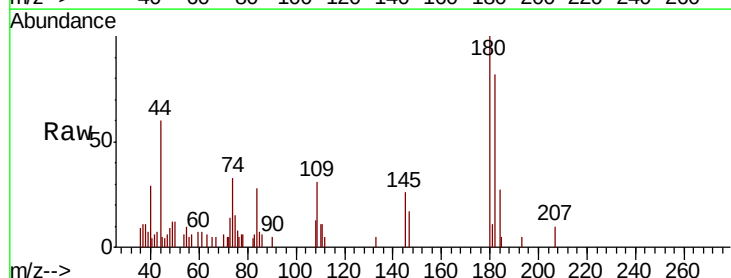


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.578 ug/L
 RT: 13.77 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VV015375.D
 Acq: 02 Apr 2020 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.1	114.1
145	28.5	28.2	42.4



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

