

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050720\
 Data File : VV015941.D
 Acq On : 07 May 2020 15:33
 Operator : SY/MD
 Sample : MDL03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

apatel
 5/8/2020 12:58:15 PM

Quant Time: May 08 05:45:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 05:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151748	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147276	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	70555	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38840	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	36638	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.12	63	62480	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.97	46	112351	47.84	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.68%
24) Chloroform-d	4.38	84	83039	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.06	65	52232	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.07	84	171461	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.10	67	55423	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.34	98	155444	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.65	79	19510	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
48) 2-Hexanone-d5	8.12	63	88535	48.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.02%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38007	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	58522	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3040	0.261 ug/L	99
3) Chloromethane	1.25	50	3421	0.291 ug/L	92
5) Vinyl chloride	1.32	62	3250	0.289 ug/L #	67
6) Bromomethane	1.53	94	1695	0.265 ug/L	85
8) Chloroethane	1.59	64	1758m	0.219 ug/L	
9) Trichlorofluoromethane	1.76	101	3930	0.255 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2798	0.321 ug/L	91
12) 1,1-Dichloroethene	2.13	96	2756	0.330 ug/L #	1
13) Acetone	2.26	43	3122m	2.015 ug/L	
14) Carbon disulfide	2.31	76	6927	0.251 ug/L	96
16) Methylene chloride	2.52	84	3099	0.310 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	5510	0.254 ug/L #	86
18) trans-1,2-Dichloroethene	2.78	96	2285	0.248 ug/L	94
19) 1,1-Dichloroethane	3.21	63	4316	0.243 ug/L	91
21) 2-Butanone	4.06	43	4331m	1.836 ug/L	
22) cis-1,2-Dichloroethene	3.94	96	2381	0.246 ug/L	93
23) Bromochloromethane	4.29	128	952	0.231 ug/L #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	12108	0.619	ug/L	98
27) 1,2-Dichloroethane	5.16	62	3468	0.288	ug/L #	93
29) 1,1,1-Trichloroethane	4.64	97	3884	0.239	ug/L	99
30) Cyclohexane	4.70	56	4206	0.258	ug/L	93
31) Carbon tetrachloride	4.85	117	3343	0.239	ug/L	93
33) Benzene	5.13	78	9568	0.258	ug/L	100
34) Trichloroethene	5.94	95	2408	0.228	ug/L	89
35) Methylcyclohexane	6.15	83	3942	0.246	ug/L	99
37) 1,2-Dichloropropane	6.21	63	2584	0.274	ug/L #	87
38) Bromodichloromethane	6.54	83	2855	0.239	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	3399	0.255	ug/L	87
40) 4-Methyl-2-pentanone	7.26	43	13357	2.276	ug/L #	90
42) Toluene	7.41	91	10009	0.255	ug/L	88
43) 1,3,5-Trimethylbenzene	10.56	105	7325	0.203	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	6890	0.191	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	2465	0.219	ug/L	87
47) 1,1,2-Trichloroethane	7.87	97	1567	0.249	ug/L	89
49) Tetrachloroethene	8.00	164	1939	0.263	ug/L	93
50) 2-Hexanone	8.17	43	14668	3.535	ug/L #	92
51) Dibromochloromethane	8.27	129	1581	0.224	ug/L	95
52) 1,2-Dibromoethane	8.38	107	1515	0.260	ug/L #	88
53) Chlorobenzene	8.90	112	6467	0.256	ug/L	96
54) Ethylbenzene	9.04	91	10058	0.225	ug/L	90
55) m,p-xylene	9.16	106	4131	0.250	ug/L	76
56) o-xylene	9.57	106	3628	0.229	ug/L	85
57) Styrene	9.59	104	5736	0.217	ug/L	97
58) Isopropylbenzene	9.95	105	10352	0.238	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.26	83	1952	0.291	ug/L #	82
62) Bromoform	9.76	173	562	0.173	ug/L #	85
63) 1,3-Dichlorobenzene	11.21	146	4693	0.247	ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	5146	0.269	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	4534	0.264	ug/L #	90
67) 1,2-Dibromo-3-chloropropan	12.45	75	359m	0.320	ug/L	
68) 1,3,5-Trichlorobenzene	12.67	180	3453	0.248	ug/L	96
69) 1,2,4-trichlorobenzene	13.29	180	3142	0.263	ug/L	97
70) Naphthalene	13.53	128	4828	0.254	ug/L #	89
71) 1,2,3-Trichlorobenzene	13.77	180	2705	0.257	ug/L	94

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

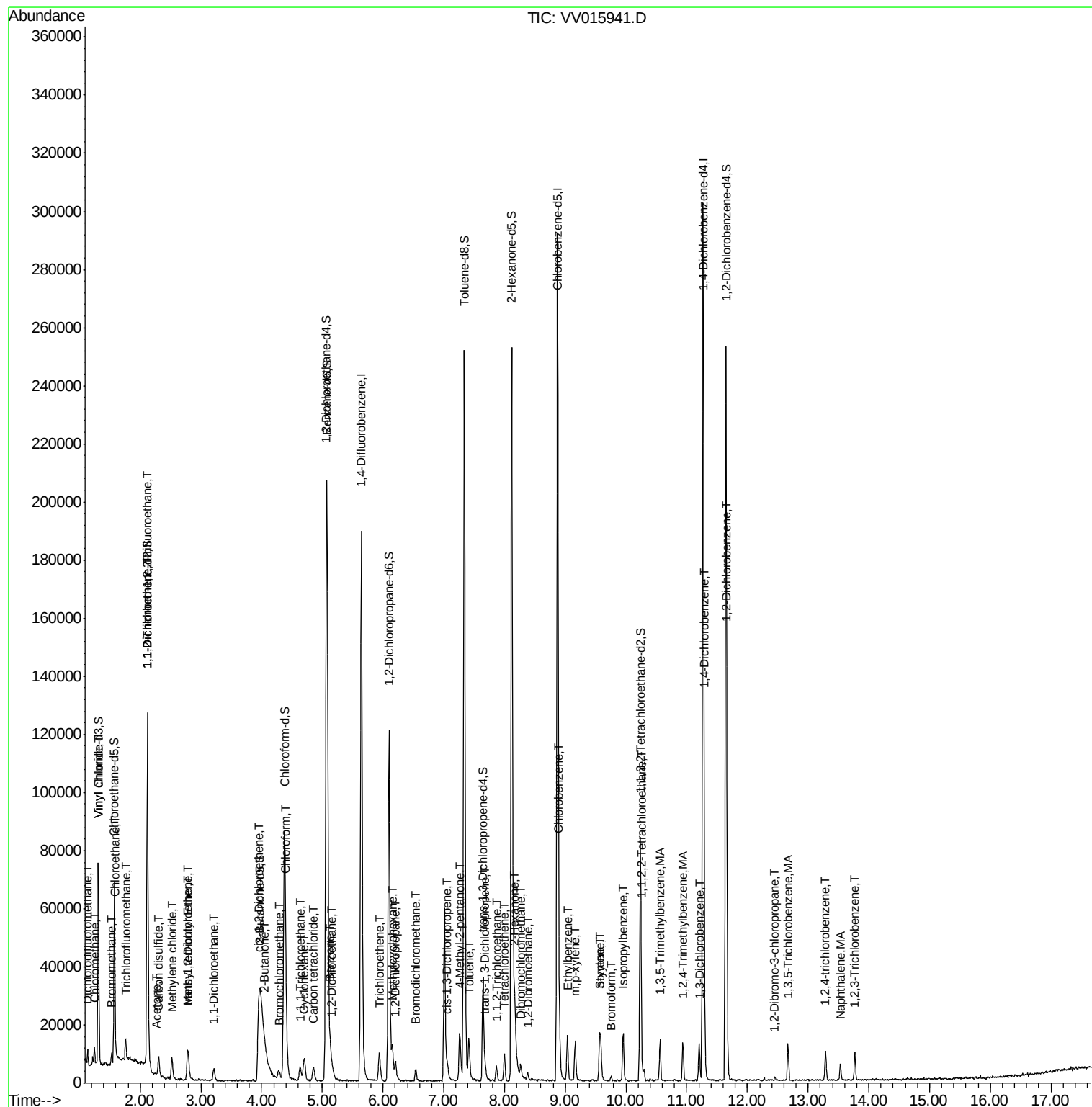
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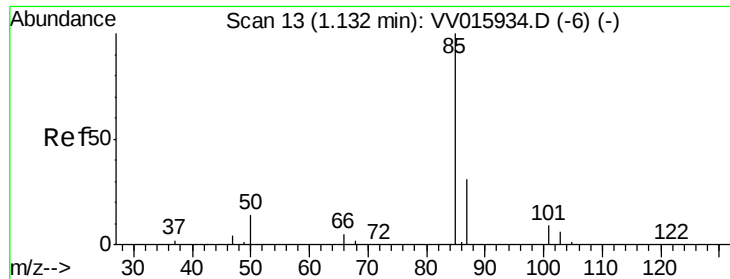
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#2

Dichlorodifluoromethane

Concen: 0.261 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 85 Resp: 3040

Ion Ratio Lower Upper

85 100

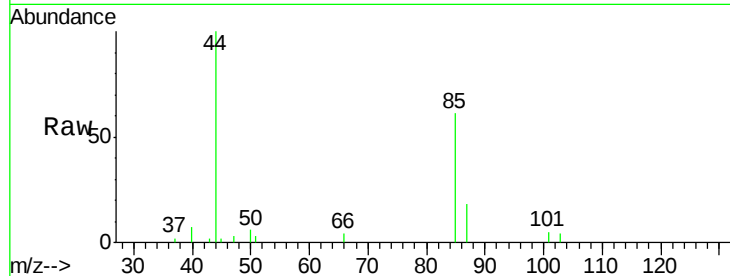
87 32.6 26.4 39.6

Manual Integrations

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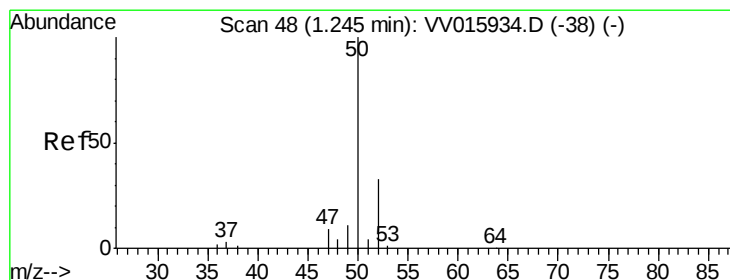
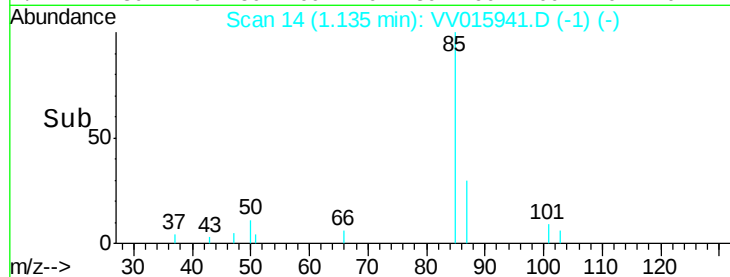
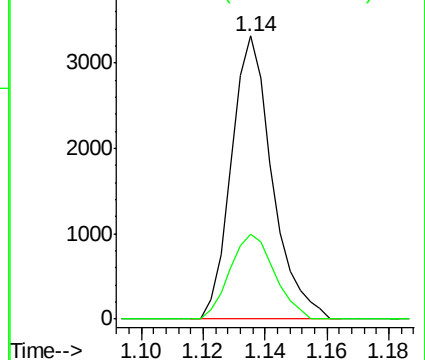
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.291 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015941.D

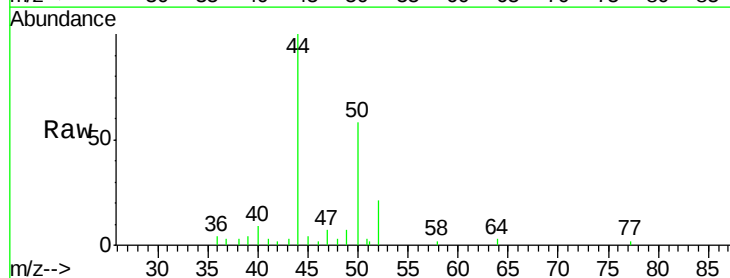
Acq: 07 May 2020 15:33

Tgt Ion: 50 Resp: 3421

Ion Ratio Lower Upper

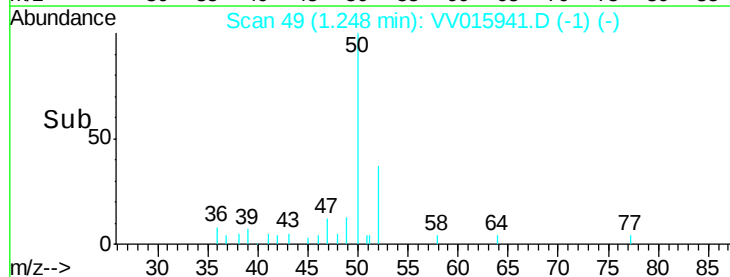
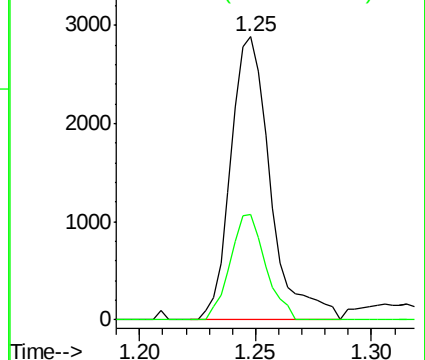
50 100

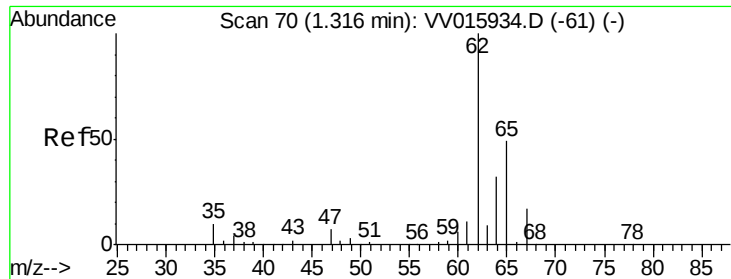
52 37.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.289 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 62 Resp: 3250

Ion Ratio Lower Upper

62 100

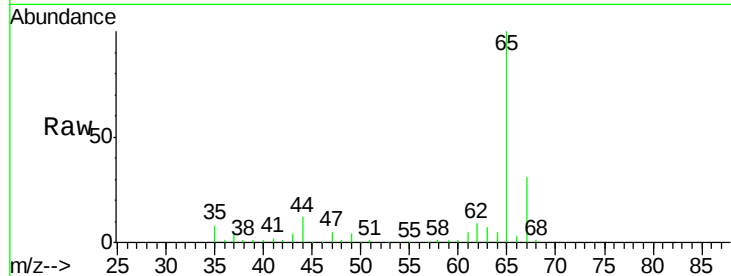
64 50.2 22.4 41.6#

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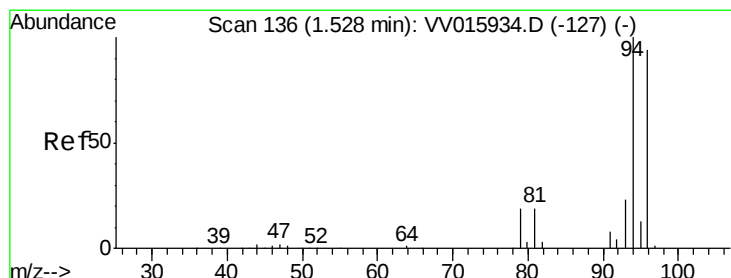
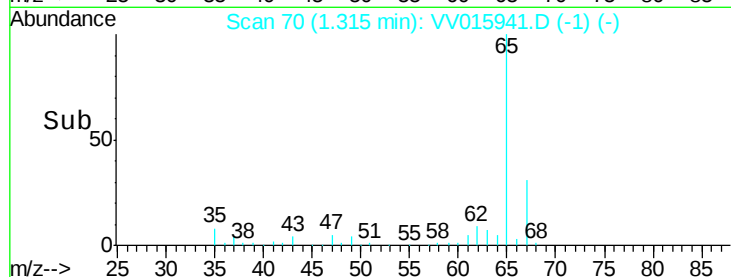
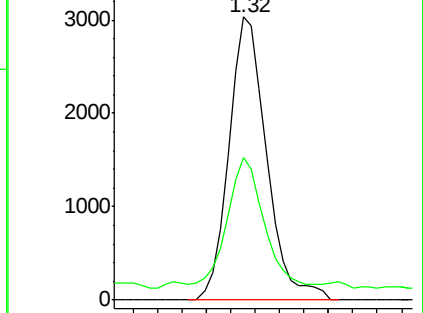
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.265 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015941.D

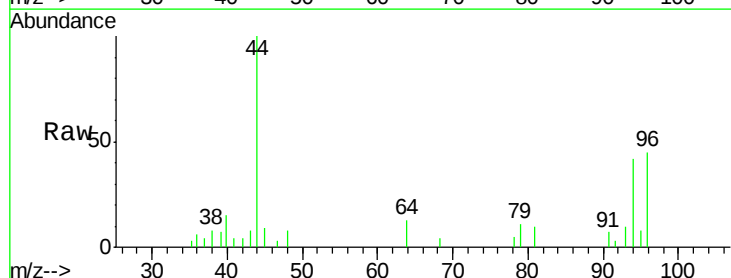
Acq: 07 May 2020 15:33

Tgt Ion: 94 Resp: 1695

Ion Ratio Lower Upper

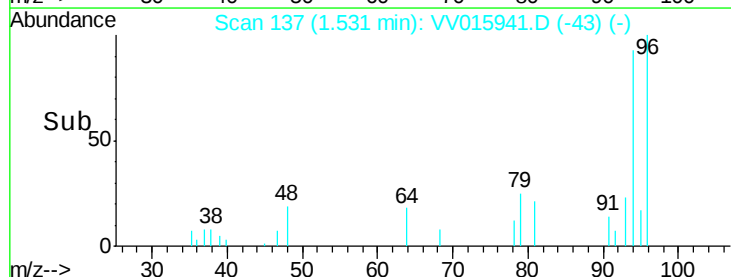
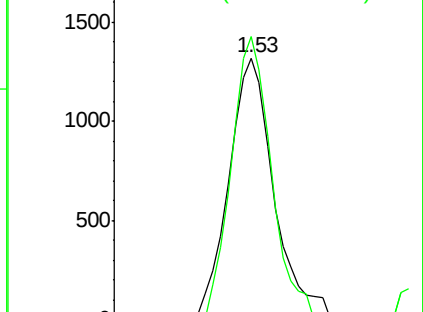
94 100

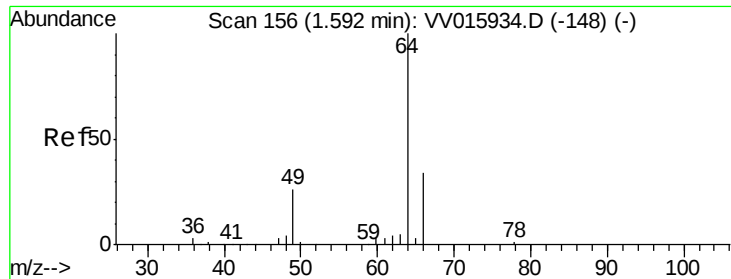
96 108.0 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.219 ug/L m

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 64 Resp: 1758

Ion Ratio Lower Upper

64 100

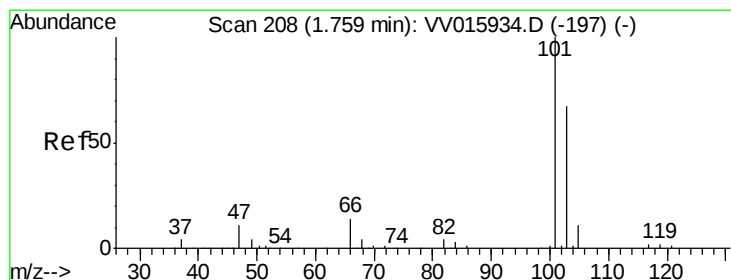
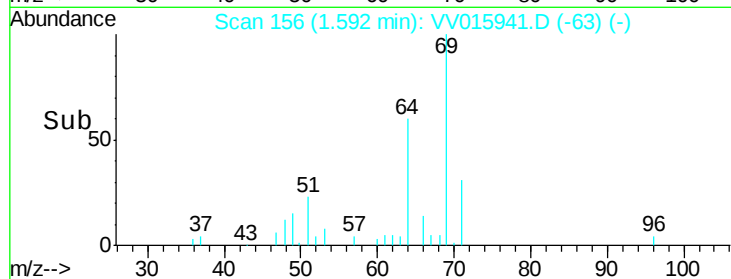
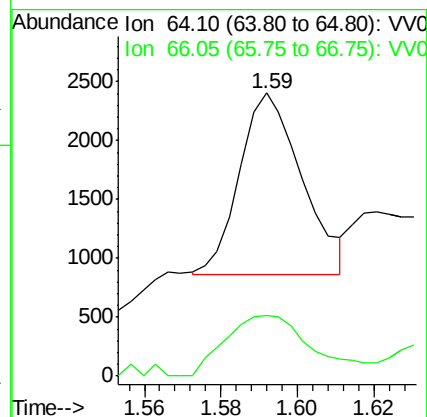
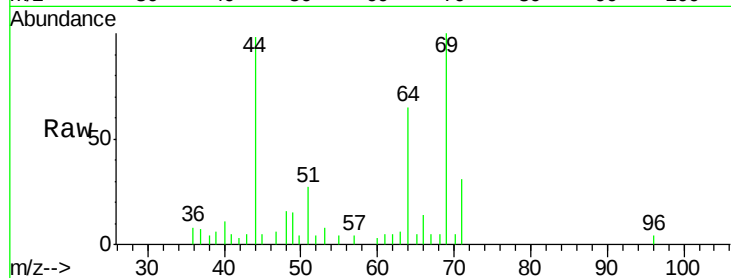
66 21.5 23.6 43.8#

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.255 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015941.D

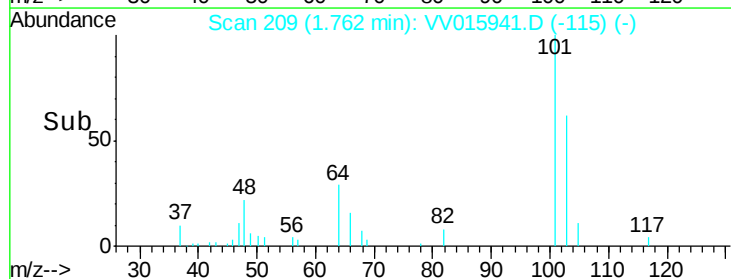
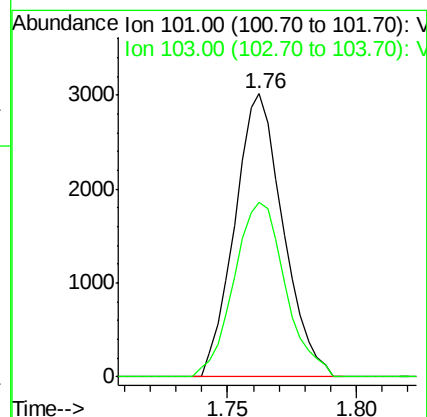
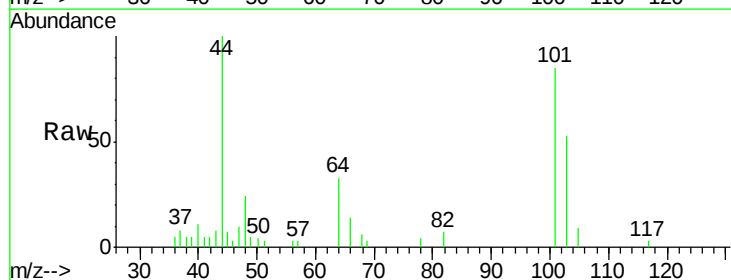
Acq: 07 May 2020 15:33

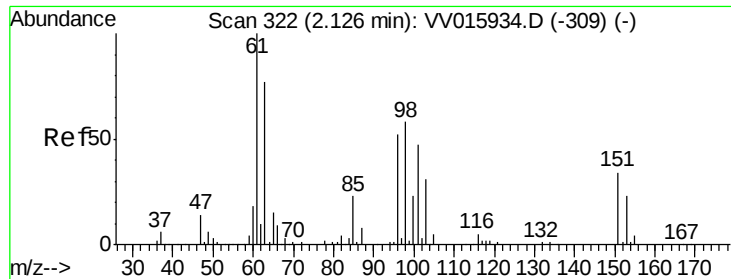
Tgt Ion: 101 Resp: 3930

Ion Ratio Lower Upper

101 100

103 65.5 51.4 77.2





#10

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

Concen: 0.321 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

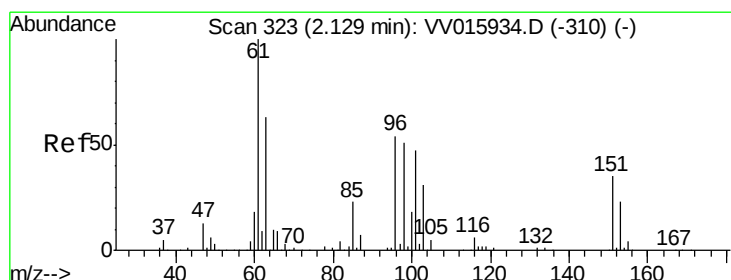
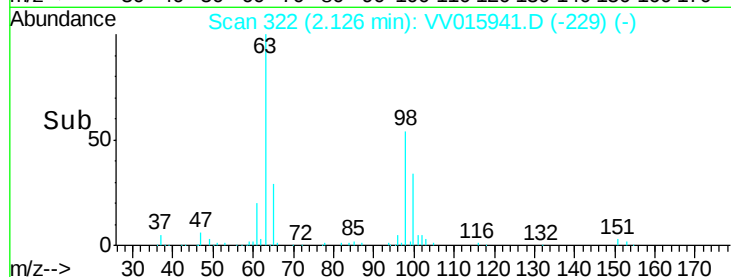
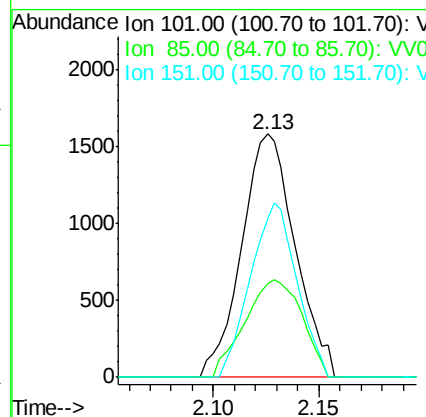
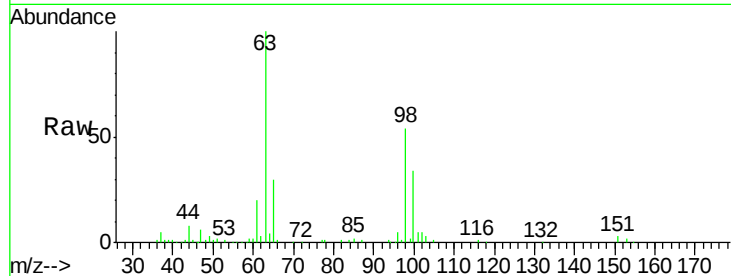
ClientSampled :

MDL03

Tot Ion:	101	Resp:	2798
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.7	53.5
151	62.1	58.0	87.0

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.330 ug/L

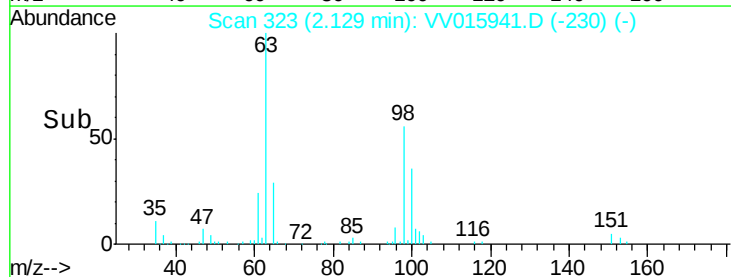
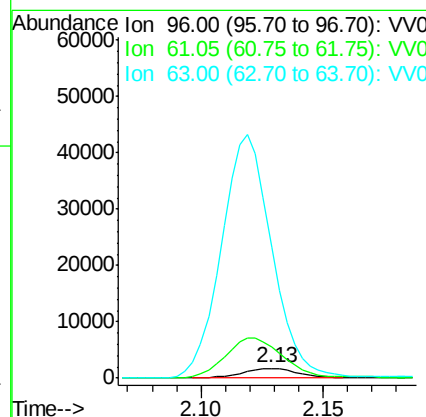
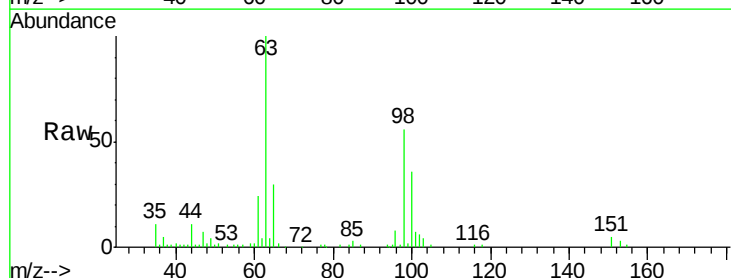
RT: 2.13 min Scan# 323

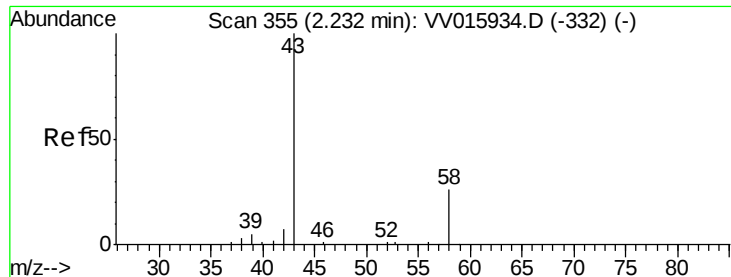
Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Tgt Ion:	96	Resp:	2756
Ion Ratio	Lower	Upper	
96	100		
61	318.6	139.9	259.7#
63	1323.9	106.4	197.6#





#13

Acetone

Concen: 2.015 ug/L m

RT: 2.26 min Scan# 365

Delta R.T. 0.03 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 43 Resp: 3122

Ion Ratio Lower Upper

43 100

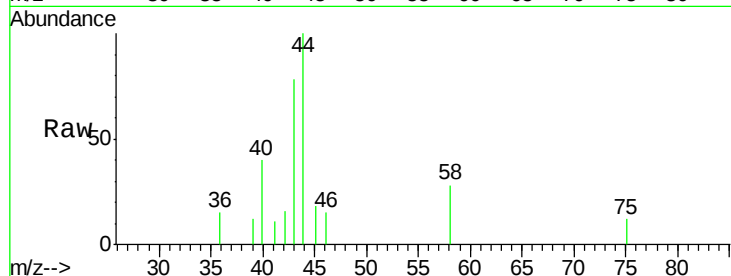
58 0.6 0.0 30.8

Manual Integrations

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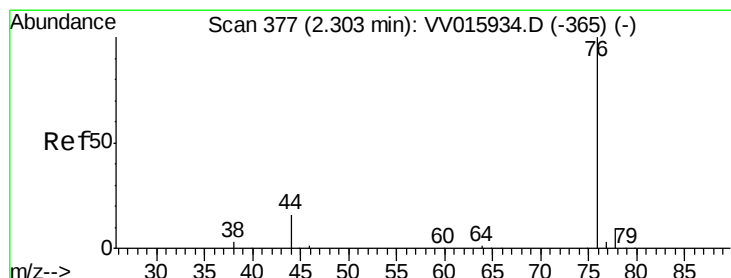
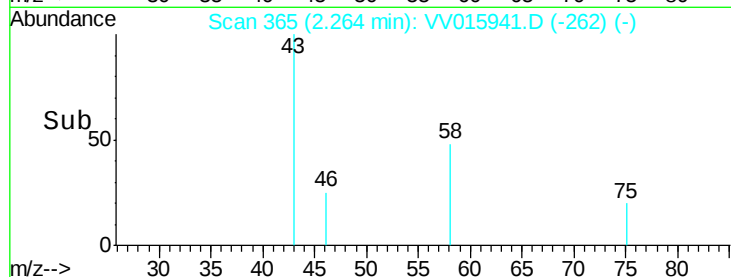
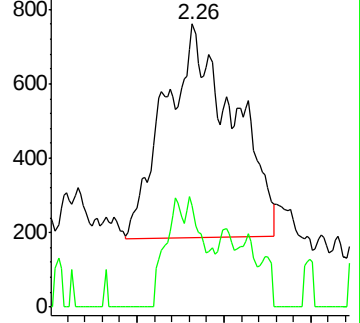
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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.251 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015941.D

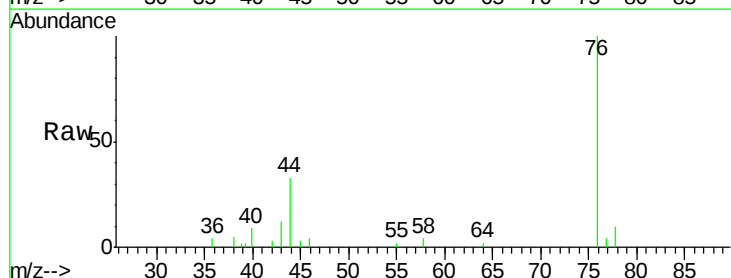
Acq: 07 May 2020 15:33

Tgt Ion: 76 Resp: 6927

Ion Ratio Lower Upper

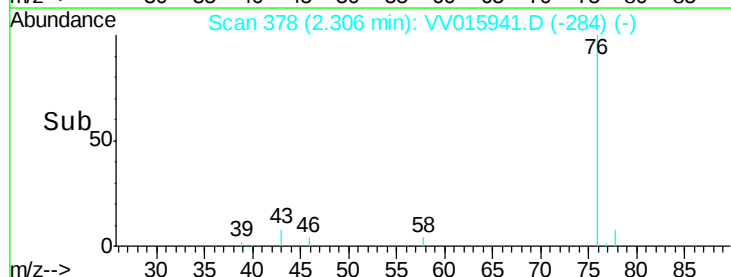
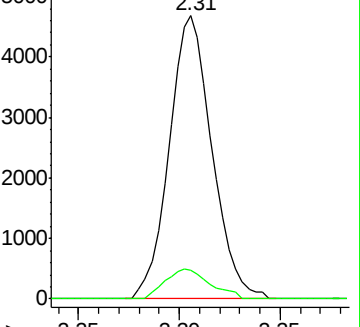
76 100

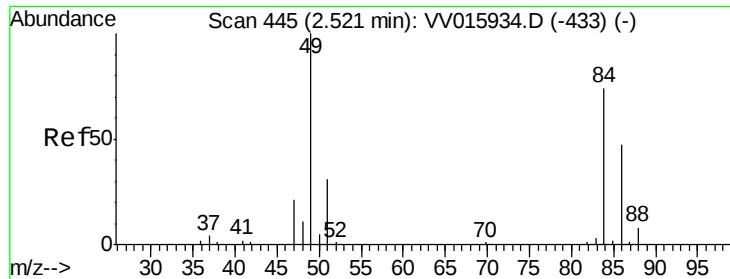
78 10.3 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





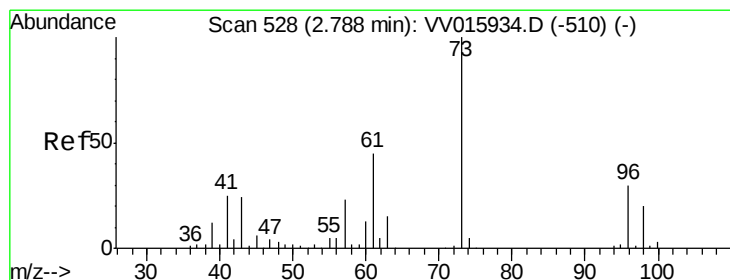
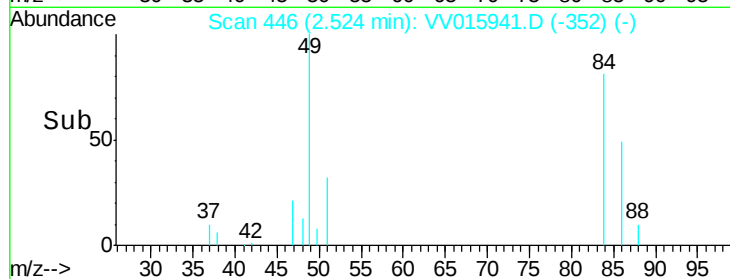
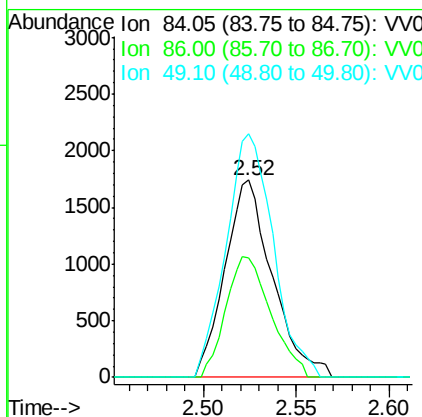
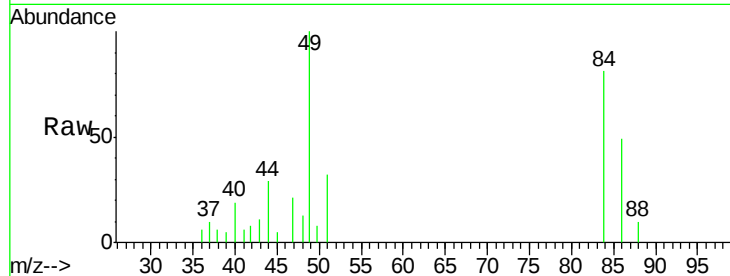
#16
Methvlene chloride
Concen: 0.310 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	84	Resp	3099
Ion	Ratio	Lower	Upper
84	100		
86	60.6	45.6	84.8
49	133.9	93.6	173.8

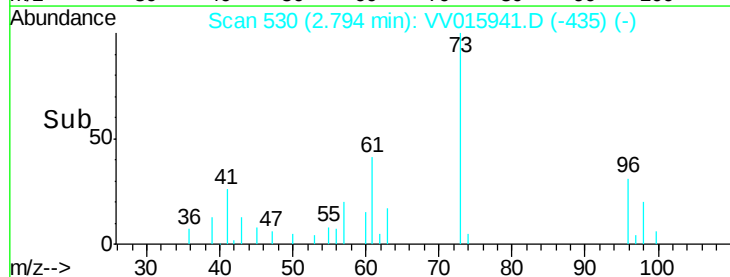
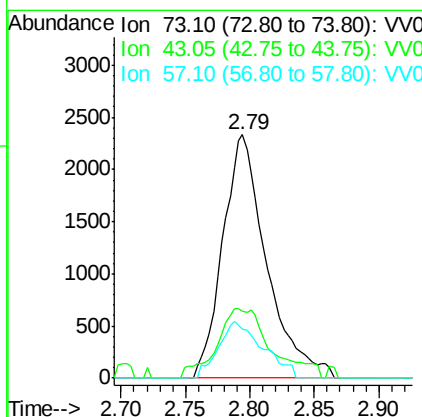
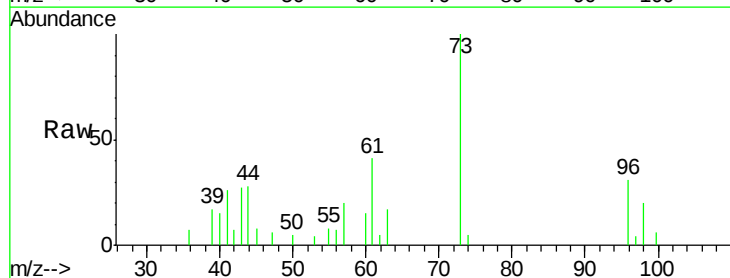
Manual Integrations
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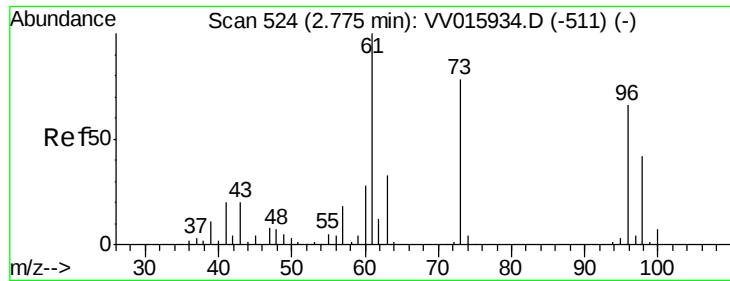
apatel
5/8/2020 12:58:15 PM



#17
Methyl tert-butyl Ether
Concen: 0.254 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion	73	Resp	5510
Ion	Ratio	Lower	Upper
73	100		
43	35.4	18.8	28.2#
57	23.6	17.8	26.6





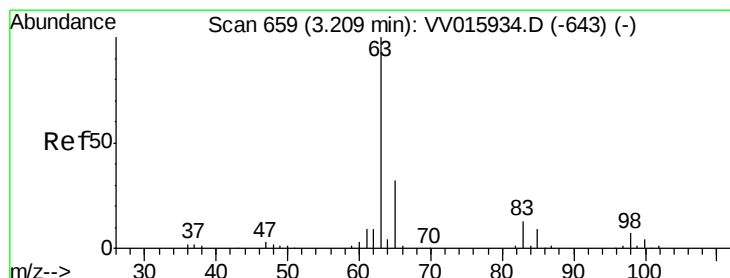
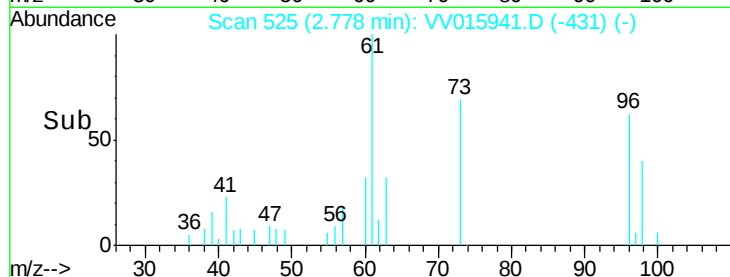
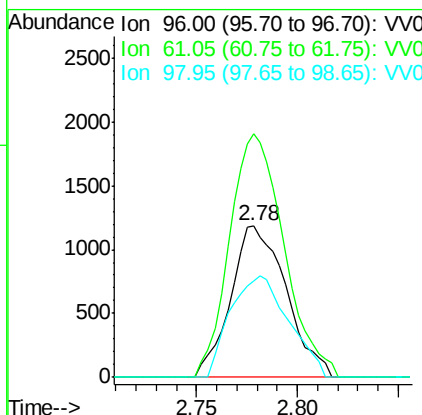
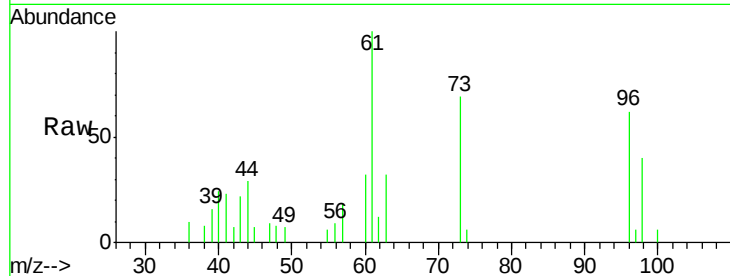
#18
trans-1,2-Dichloroethene
Concen: 0.248 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.4	105.3	195.5
98	63.6	44.0	81.6

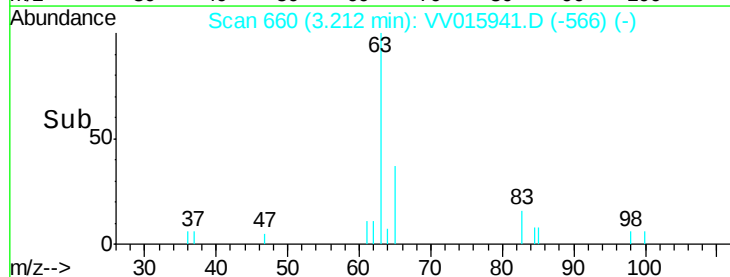
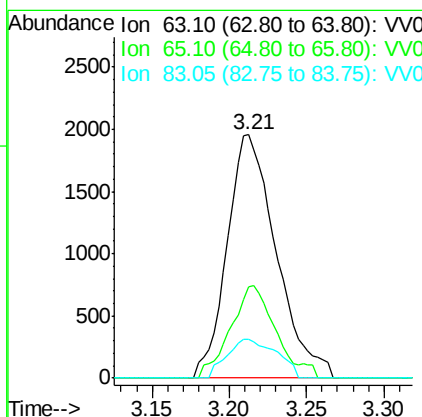
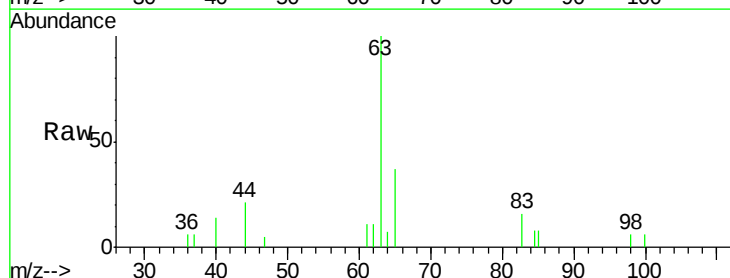
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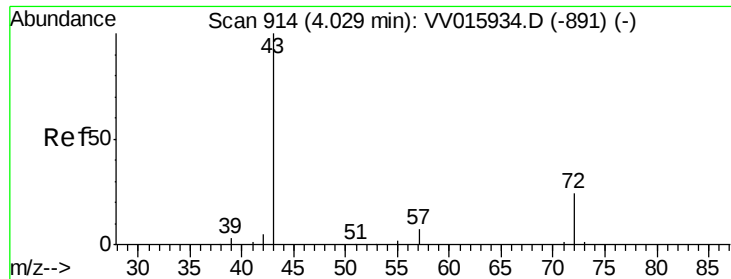
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#19
1,1-Dichloroethane
Concen: 0.243 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion	Ratio	Lower	Upper
63	100		
65	37.5	22.0	41.0
83	15.9	9.8	18.2





#21

2-Butanone

Concen: 1.836 ug/L m

RT: 4.06 min Scan# 923

Delta R.T. 0.03 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 43 Resp: 4331

Ion Ratio Lower Upper

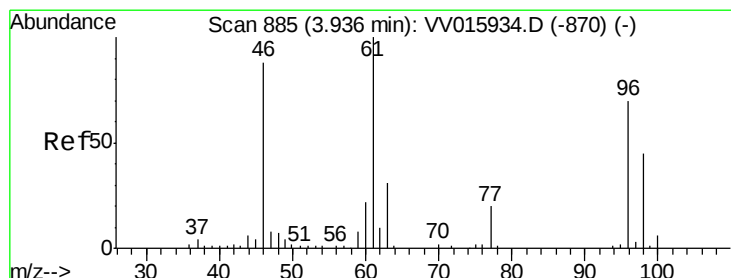
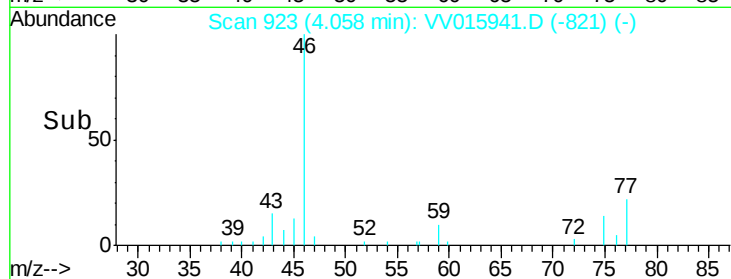
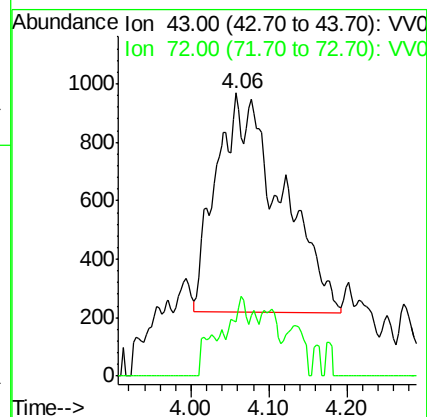
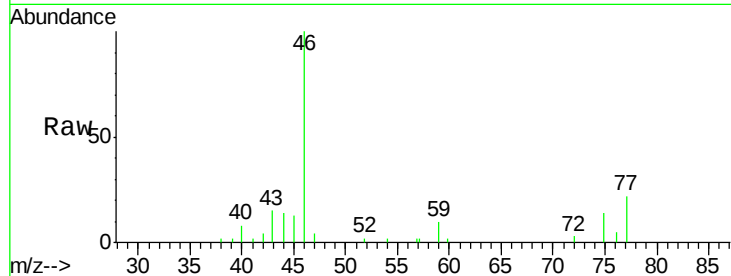
43 100

72 3.6 10.5 31.5#

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 0.246 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

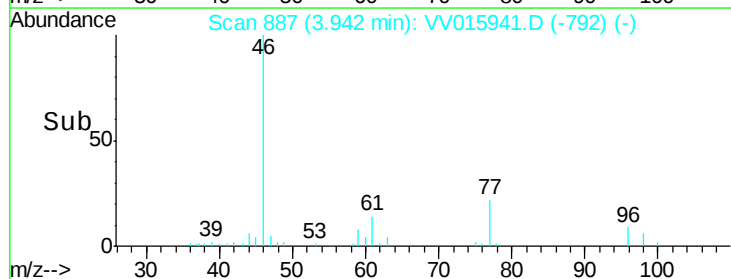
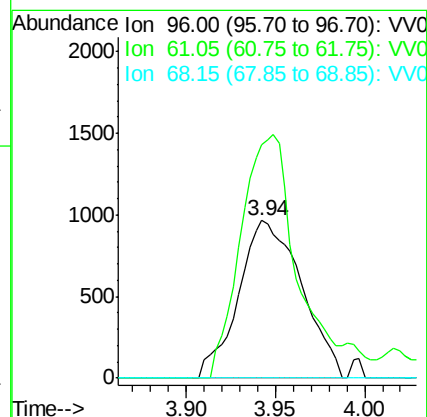
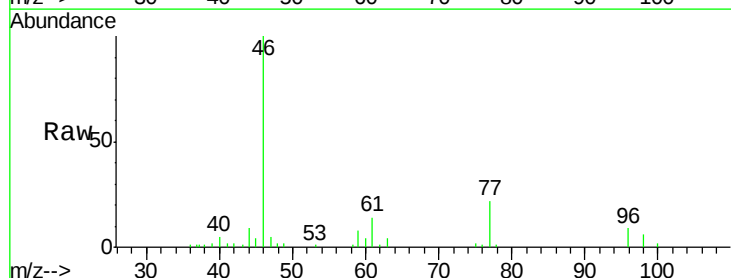
Tgt Ion: 96 Resp: 2381

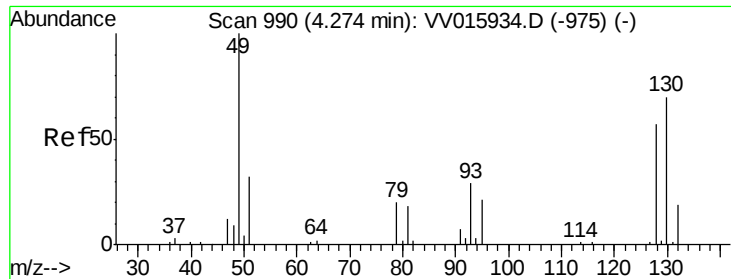
Ion Ratio Lower Upper

96 100

61 147.6 97.2 180.6

68 0.0 0.0 0.0





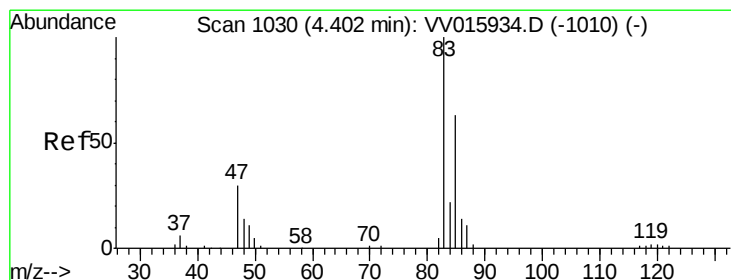
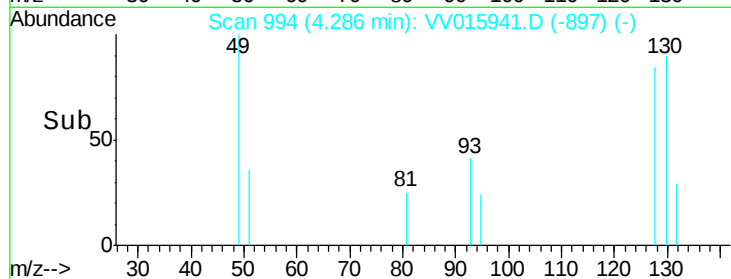
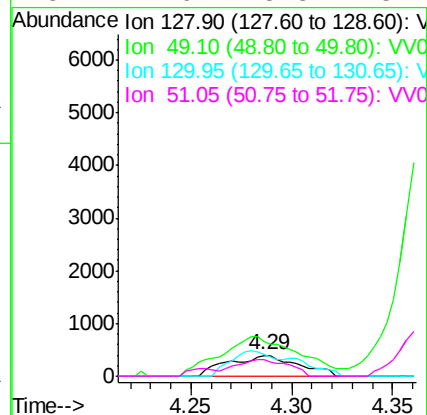
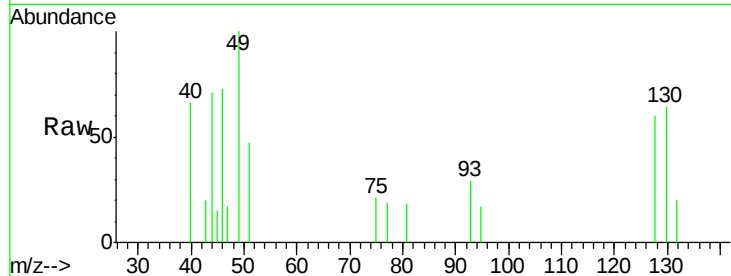
#23
Bromochloromethane
Concen: 0.231 ug/L
RT: 4.29 min Scan# 994
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
49	166.0	131.3	243.8
130	106.5	91.8	170.4
51	77.6	48.8	73.2

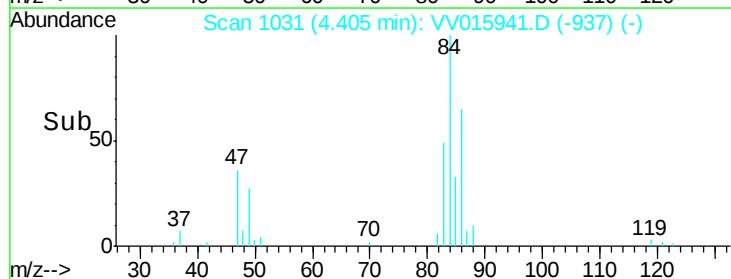
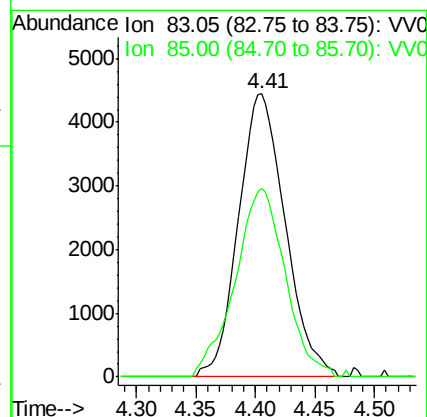
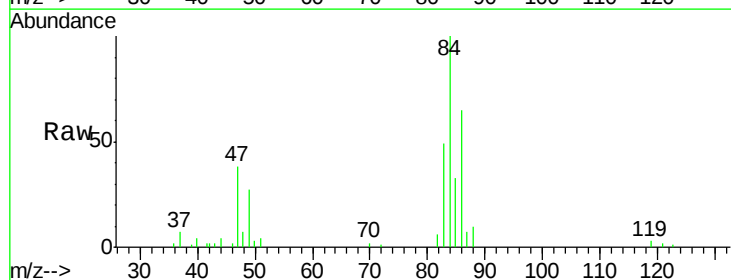
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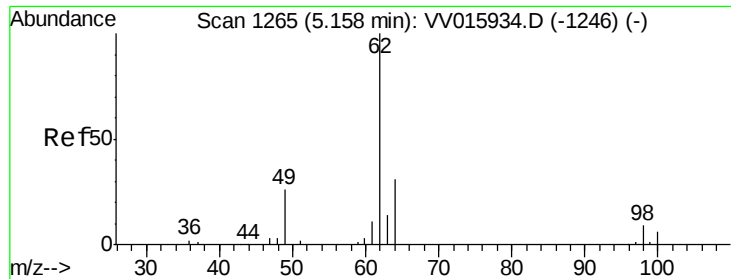
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#25
Chloroform
Concen: 0.619 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	45.7	84.9





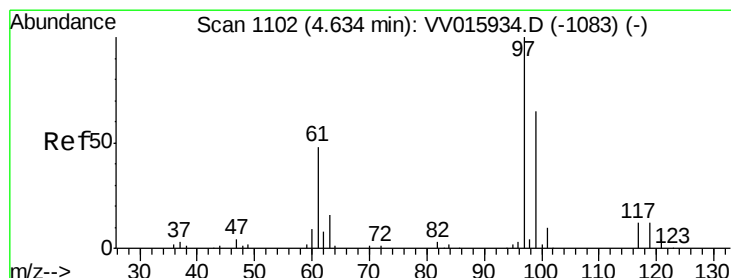
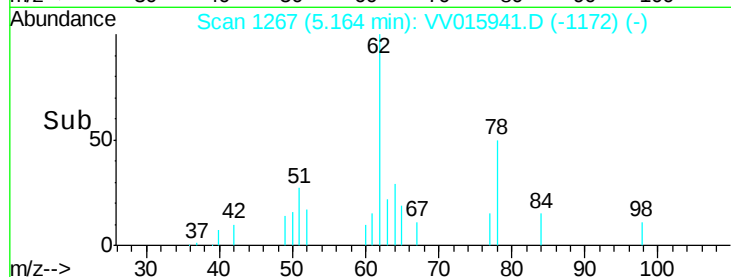
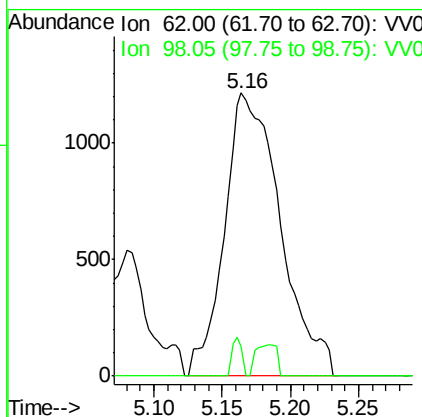
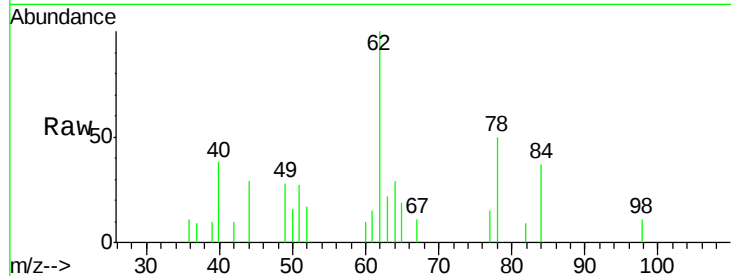
#27
 1,2-Dichloroethane
 Concen: 0.288 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion: 62 Resp: 3468
 Ion Ratio Lower Upper
 62 100
 98 10.8 6.7 10.1#

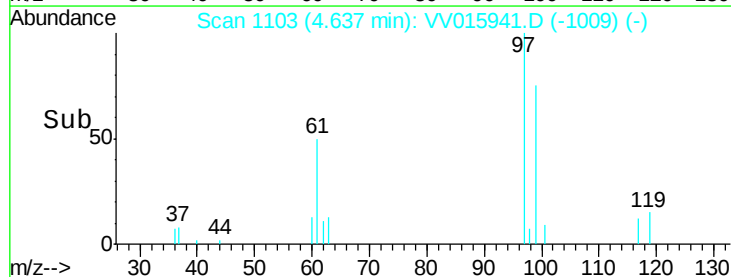
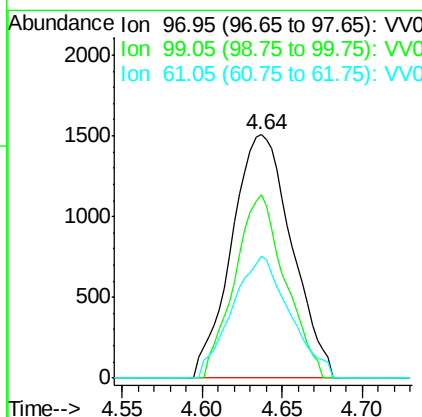
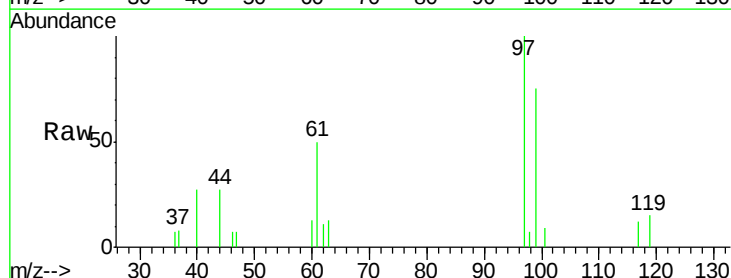
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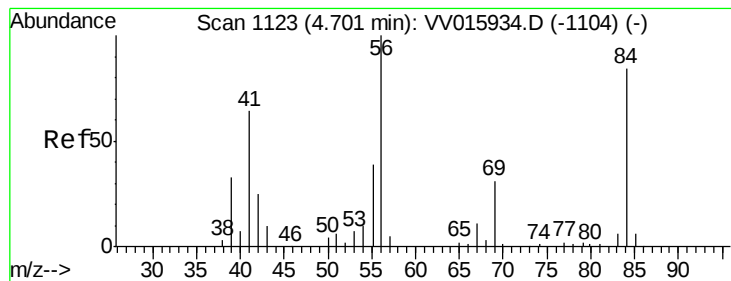
apatel
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#29
 1,1,1-Trichloroethane
 Concen: 0.239 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Tgt Ion: 97 Resp: 3884
 Ion Ratio Lower Upper
 97 100
 99 63.0 50.7 76.1
 61 48.0 38.8 58.2





#30

Cyclohexane

Concen: 0.258 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 56 Resp: 4206

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.2

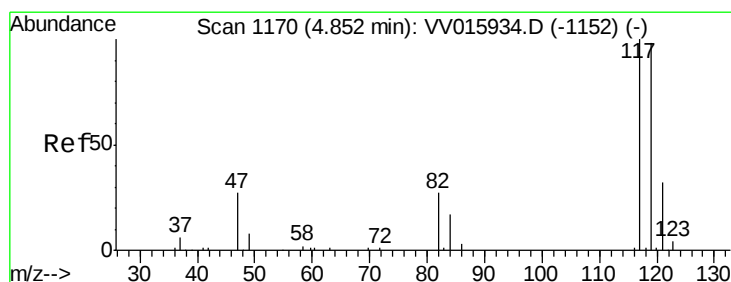
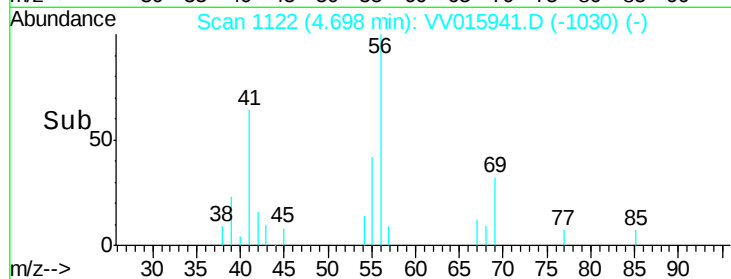
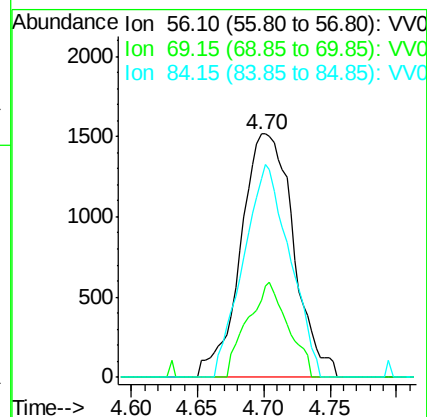
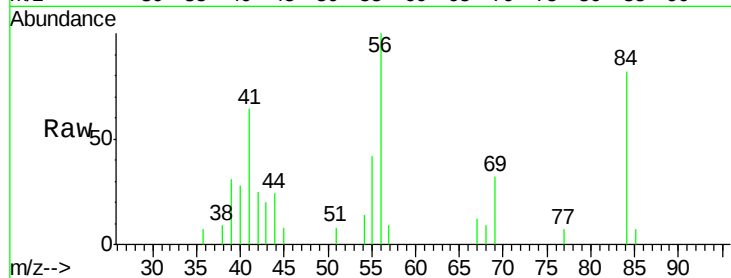
84 76.8 68.3 102.5

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#31

Carbon tetrachloride

Concen: 0.239 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015941.D

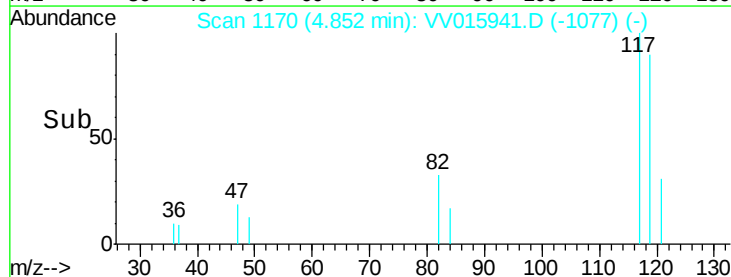
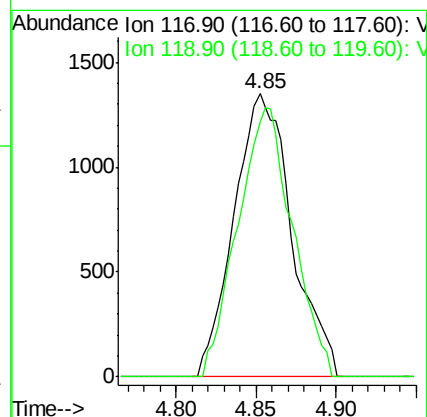
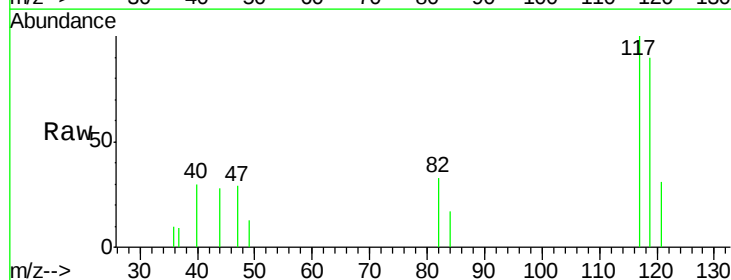
Acq: 07 May 2020 15:33

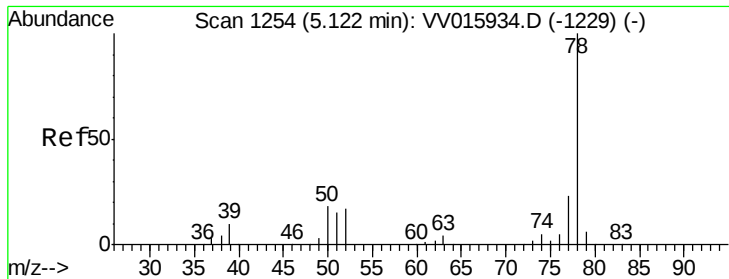
Tgt Ion: 117 Resp: 3343

Ion Ratio Lower Upper

117 100

119 90.1 77.3 115.9





#33

Benzene

Concen: 0.258 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

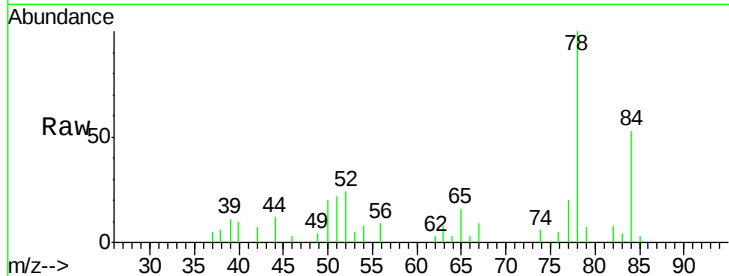
ClientSampled :

MDL03

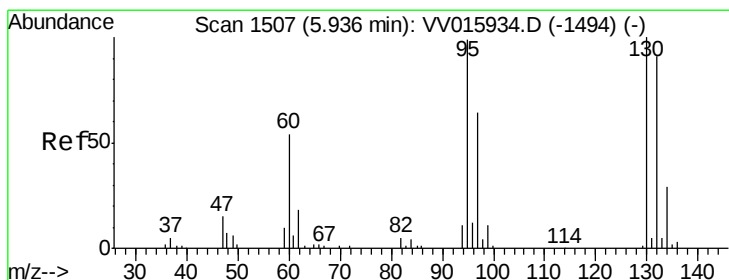
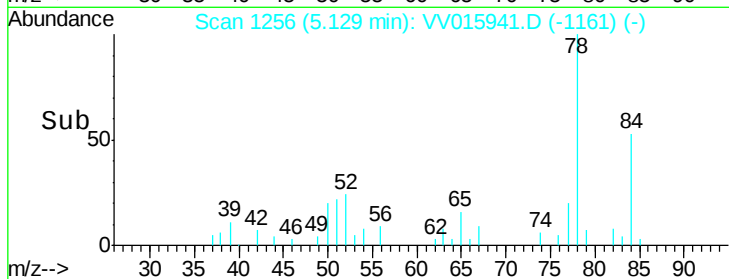
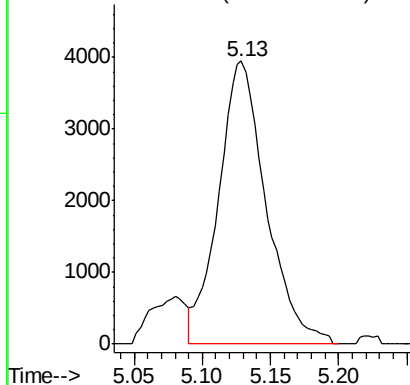
Tgt Ion: 78 Resp: 9568

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Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.228 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Tgt Ion: 95 Resp: 2408

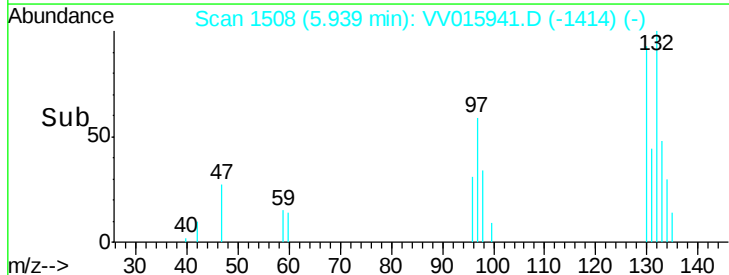
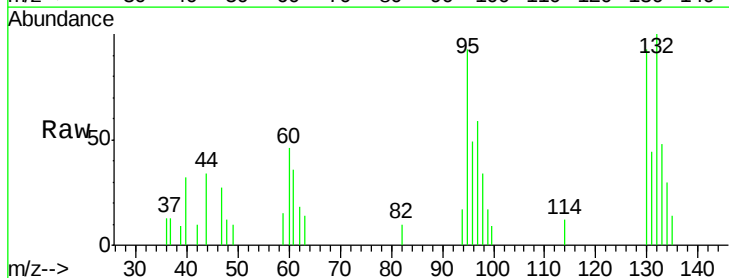
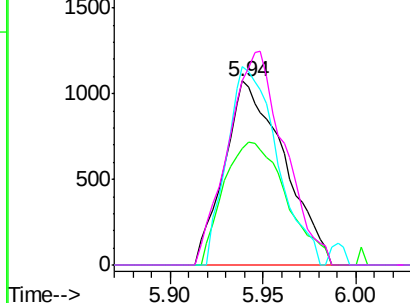
Ion	Ratio	Lower	Upper
95	100		
97	63.6	43.3	80.5
132	107.7	60.3	112.1
130	100.3	66.0	122.6

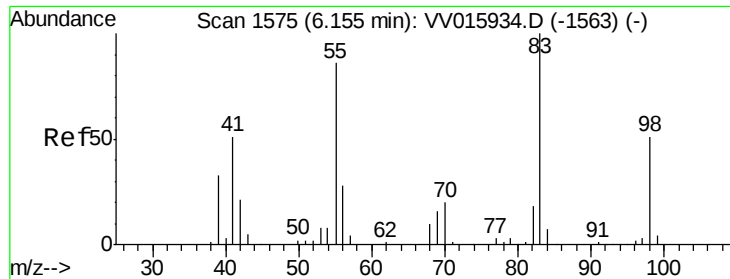
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





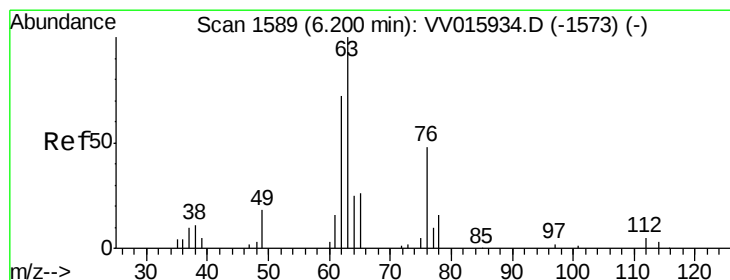
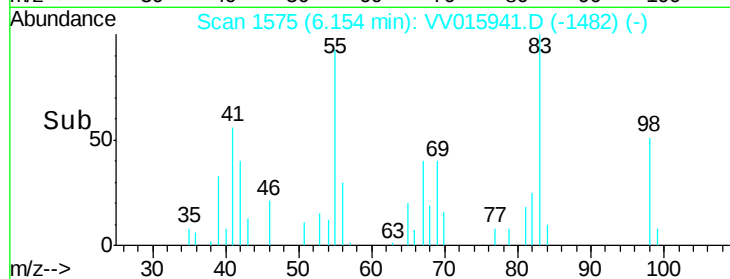
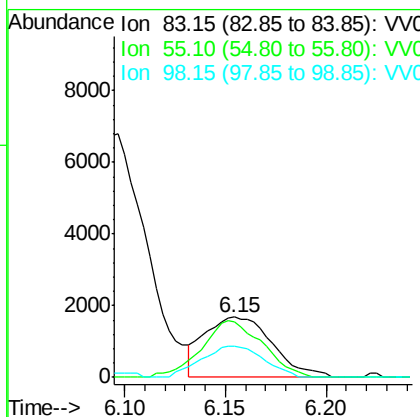
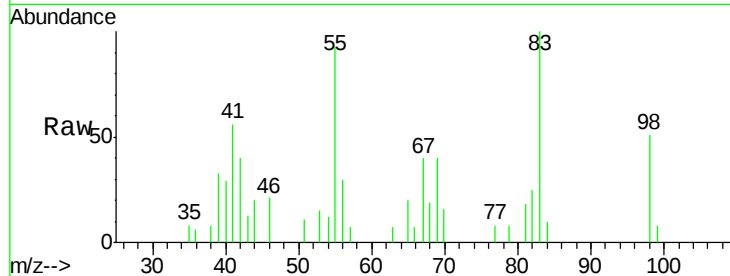
#35
Methvlcvclohexane
Concen: 0.246 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	83.15	Resp	3942
Ion	Ratio	Lower	Upper
83	100		
55	84.3	66.2	99.2
98	47.4	37.9	56.9

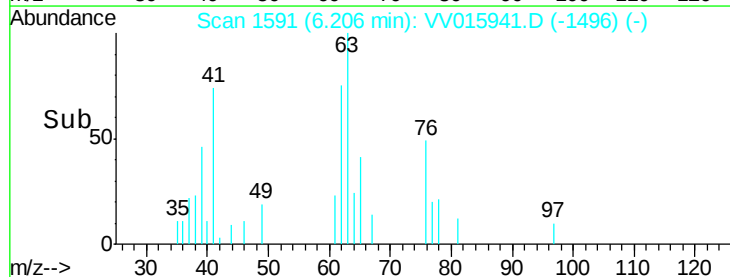
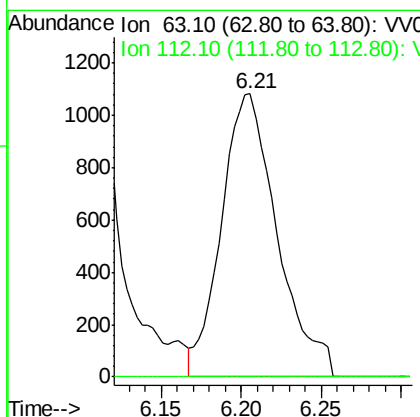
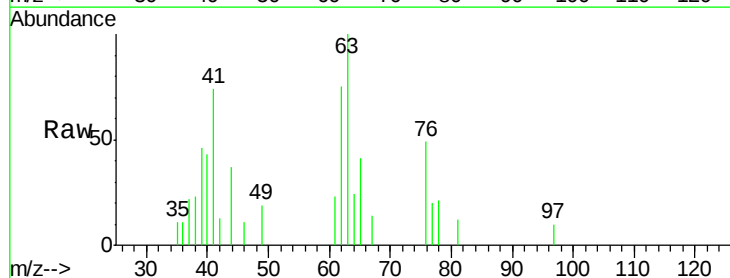
Manual Integrations
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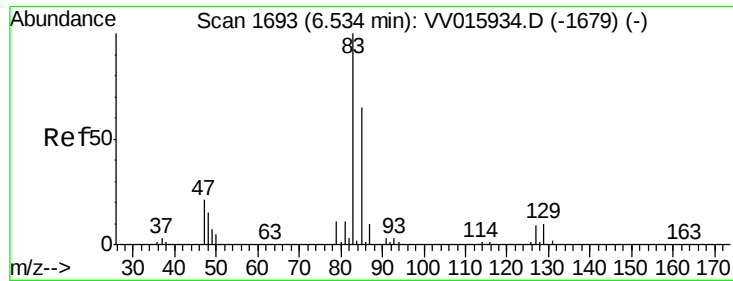
apatel
5/8/2020 12:58:15 PM



#37
1,2-Dichloropropane
Concen: 0.274 ug/L
RT: 6.21 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion	63.10	Resp	2584
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.4	5.0#





#38

Bromodichloromethane

Concen: 0.239 ug/L

RT: 6.54 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

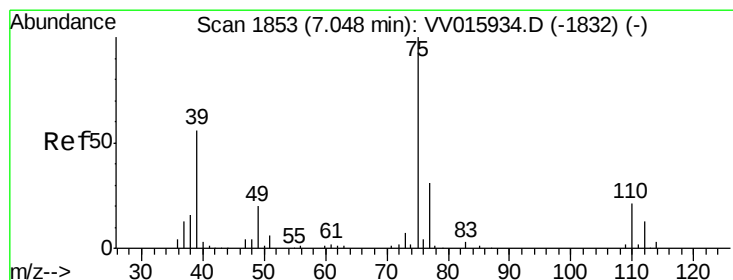
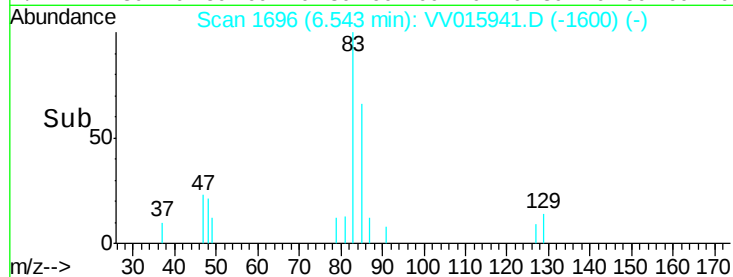
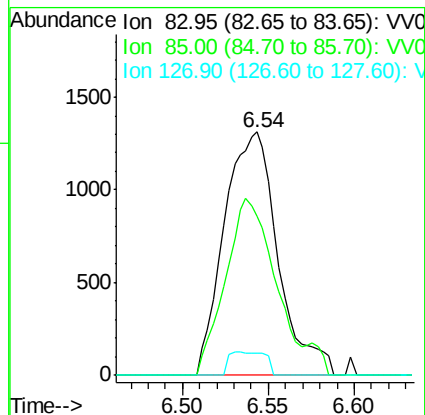
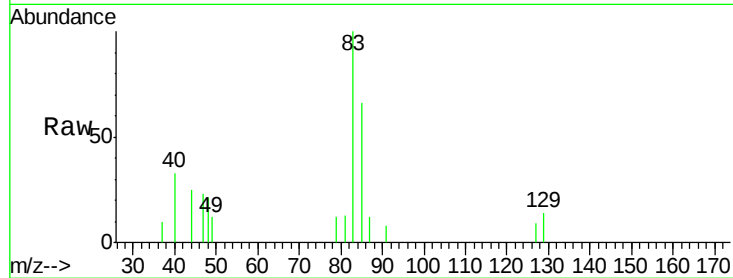
ClientSampled :

MDL03

Tot Ion:	83	Resp:	2855
Ion Ratio	Lower	Upper	
83	100		
85	65.6	45.5	84.5
127	9.3	6.2	9.4

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#39

cis-1,3-Dichloropropene

Concen: 0.255 ug/L

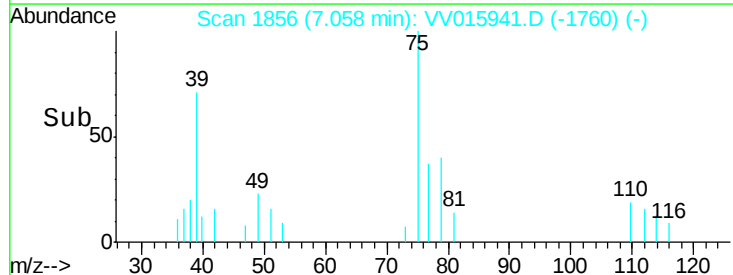
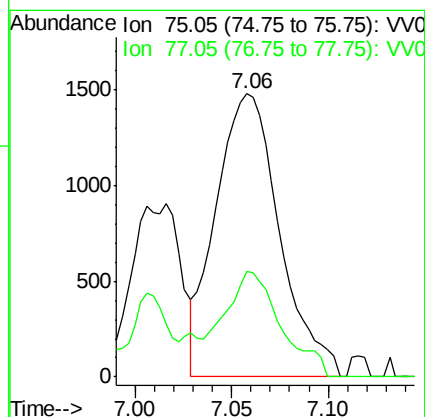
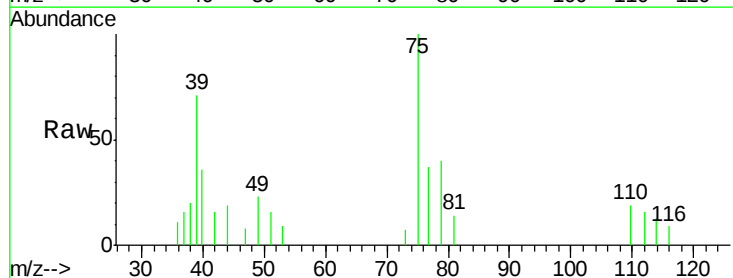
RT: 7.06 min Scan# 1856

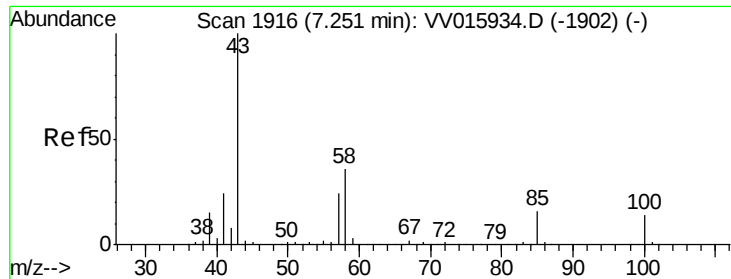
Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Tgt Ion:	75	Resp:	3399
Ion Ratio	Lower	Upper	
75	100		
77	37.4	21.3	39.5





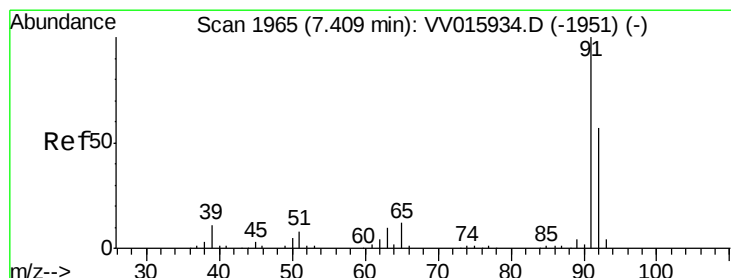
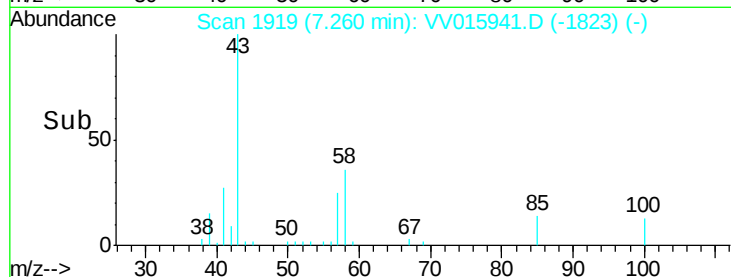
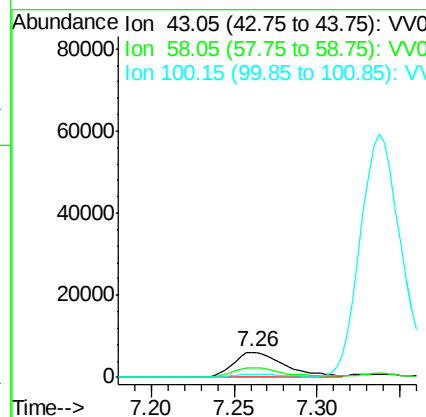
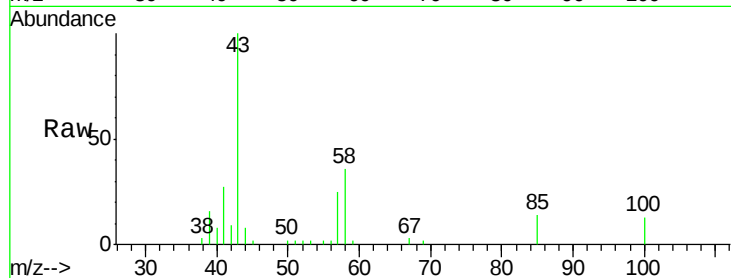
#40
4-Methyl-2-pentanone
Concen: 2.276 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.0	43.4
100	0.0	10.9	16.3

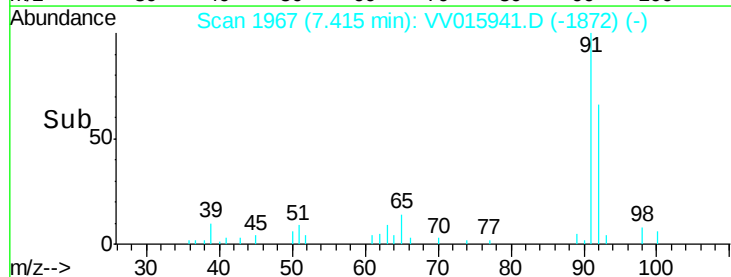
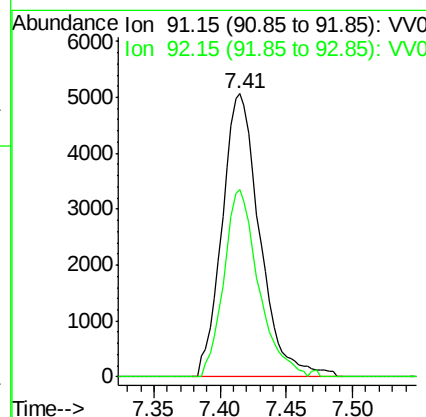
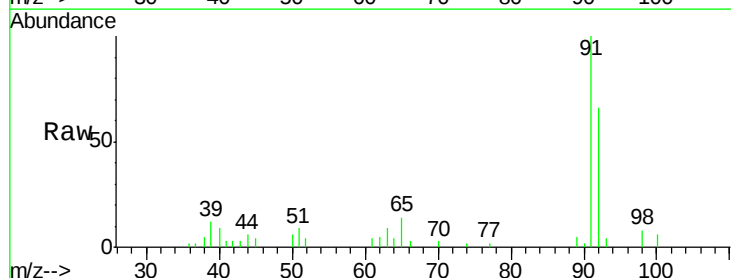
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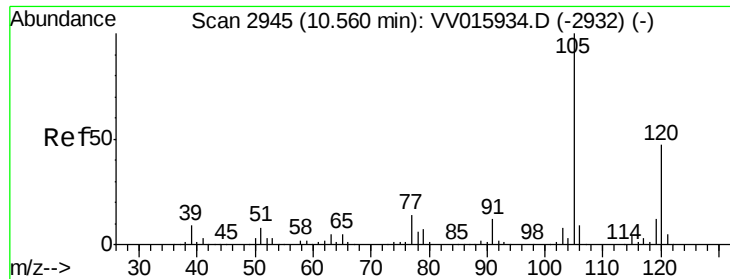
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#42
Toluene
Concen: 0.255 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.4	40.1	74.5





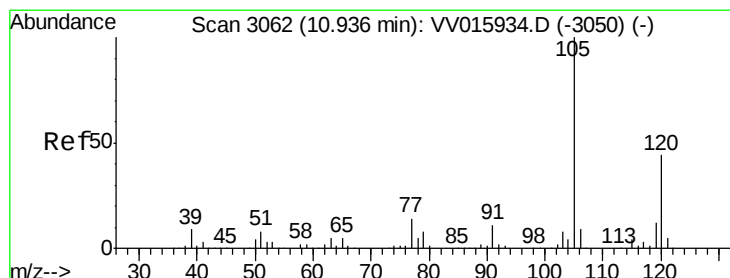
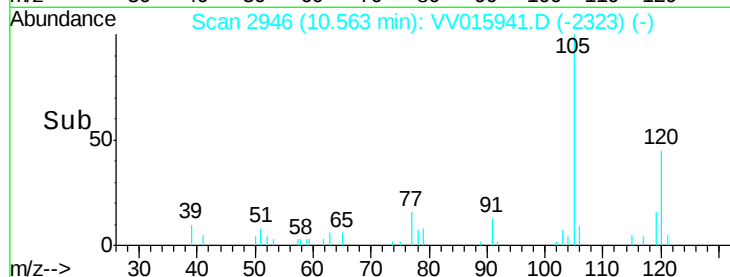
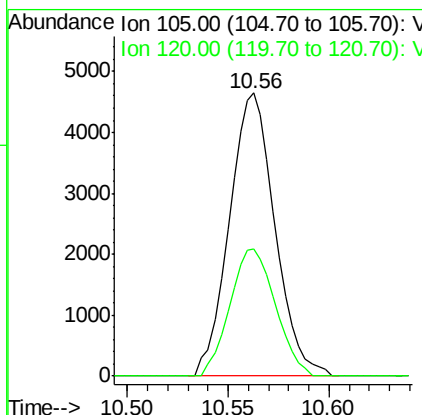
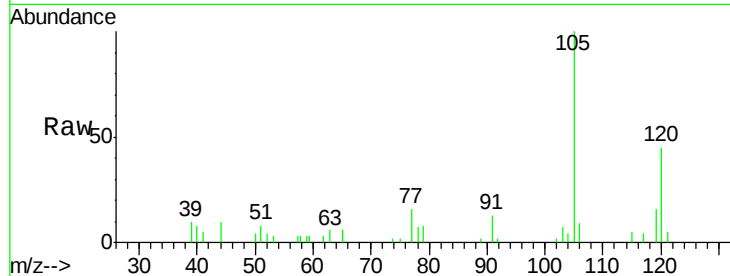
#43
 1,3,5-Trimethylbenzene
 Concen: 0.203 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion:105 Resp: 7325
 Ion Ratio Lower Upper
 105 100
 120 45.0 0.0 0.0#

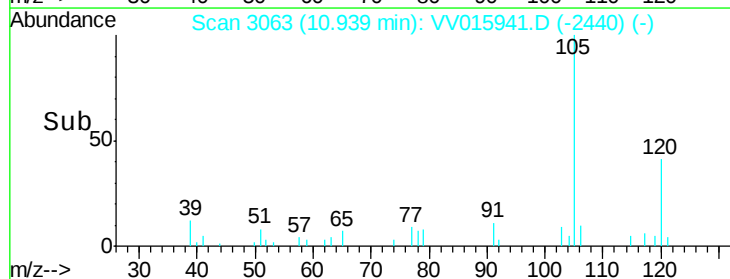
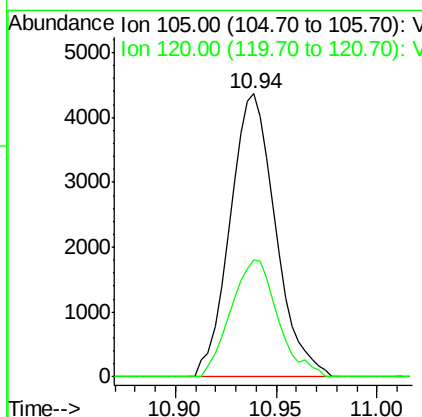
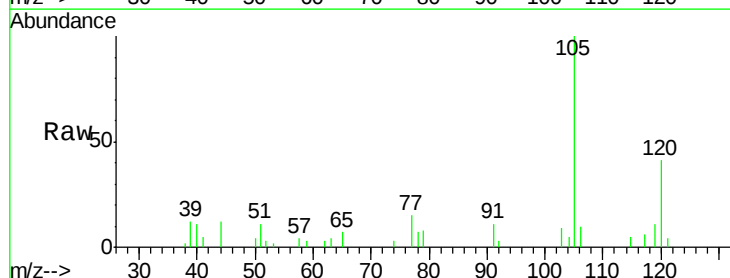
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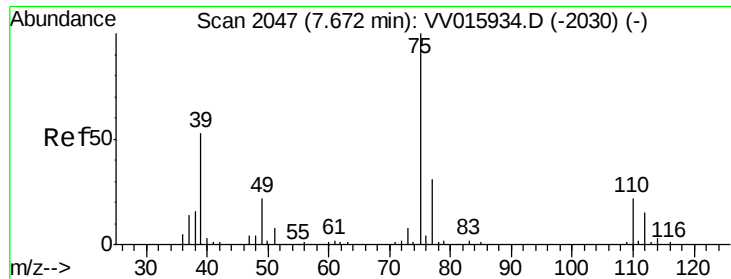
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#44
 1,2,4-Trimethylbenzene
 Concen: 0.191 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Tgt Ion:105 Resp: 6890
 Ion Ratio Lower Upper
 105 100
 120 42.6 0.0 0.0#





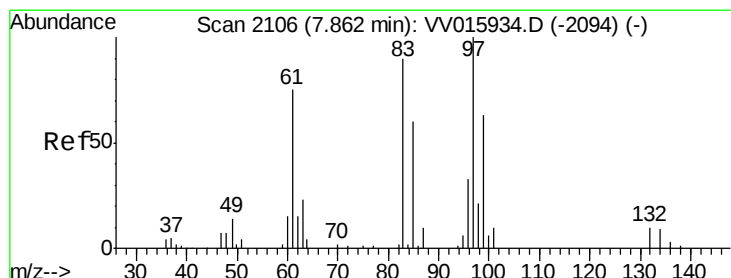
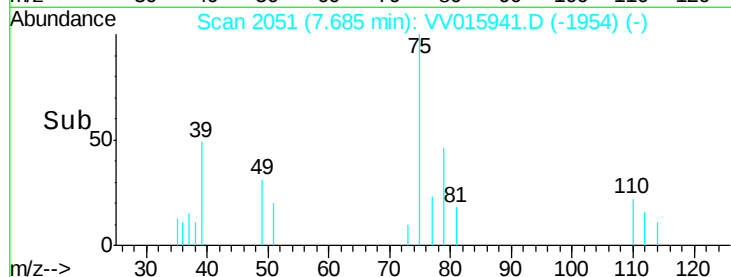
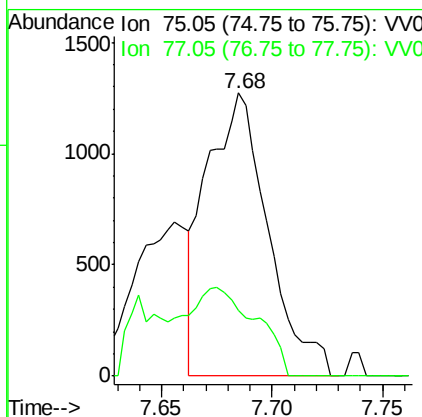
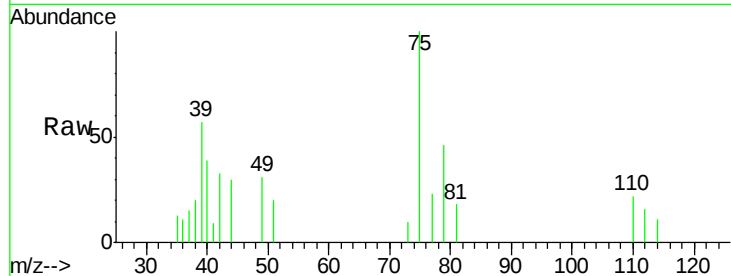
#46
trans-1,3-Dichloropropene
Concen: 0.219 ug/L
RT: 7.68 min Scan# 2051
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion: 75 Resp: 2465
Ion Ratio Lower Upper
75 100
77 23.3 21.3 39.6

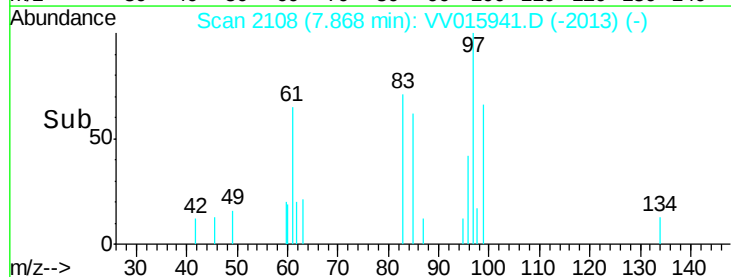
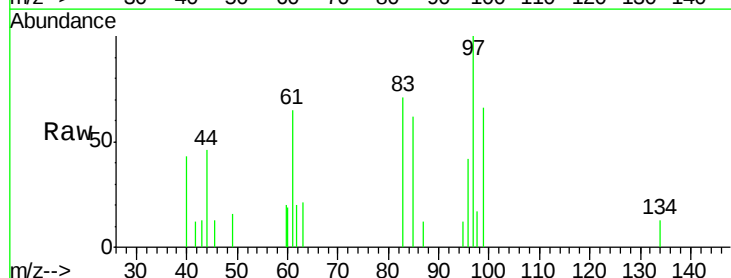
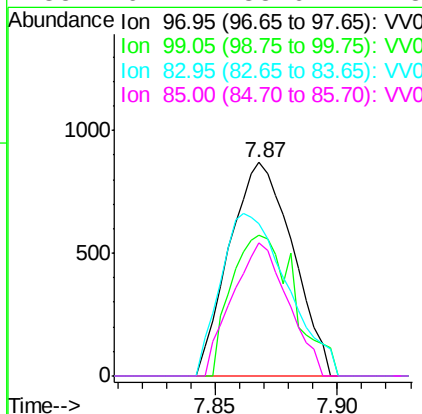
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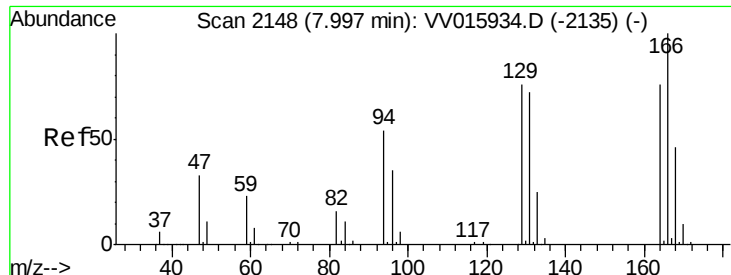
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#47
1,1,2-Trichloroethane
Concen: 0.249 ug/L
RT: 7.87 min Scan# 2108
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion: 97 Resp: 1567
Ion Ratio Lower Upper
97 100
99 66.2 42.1 78.1
83 71.3 59.2 110.0
85 62.1 38.6 71.8





#49

Tetrachloroethene

Concen: 0.263 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015941.D

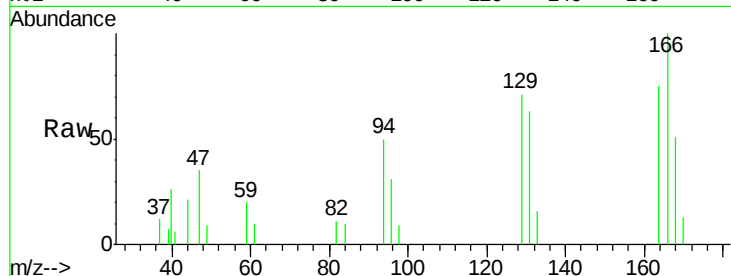
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampled :
MDL03

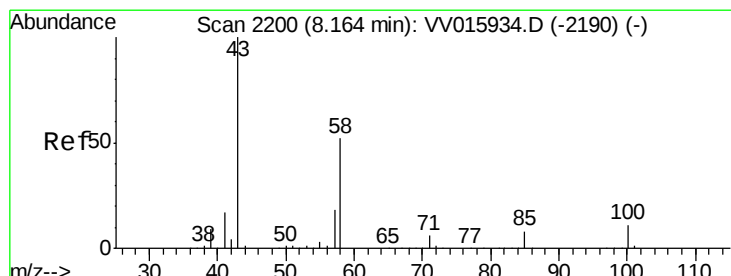
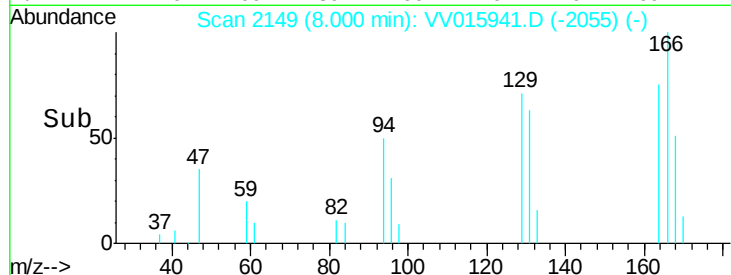
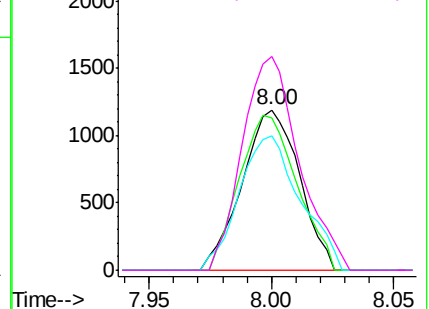
Tot Ion	164	129	131	166
Ratio	100	95.2	83.9	133.5
Lower		69.7	66.8	89.1
Upper		129.4	124.2	165.5

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Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 3.535 ug/L

RT: 8.17 min Scan# 2202

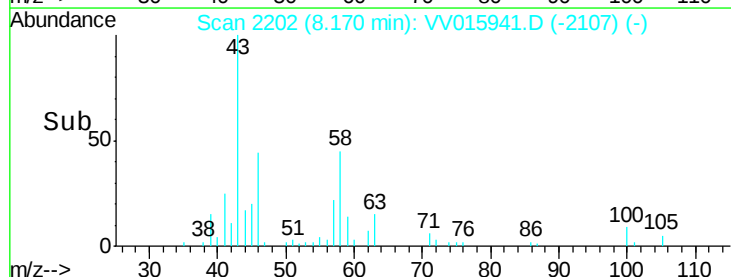
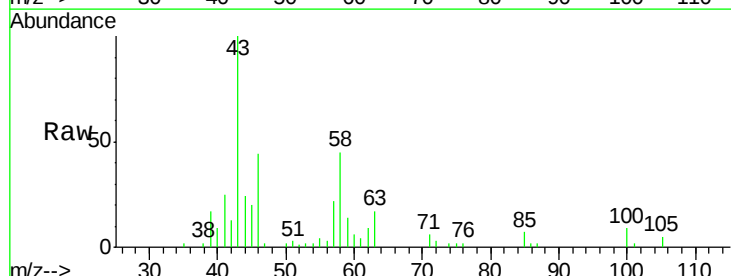
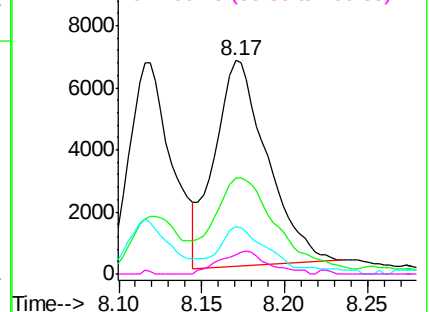
Delta R.T. 0.01 min

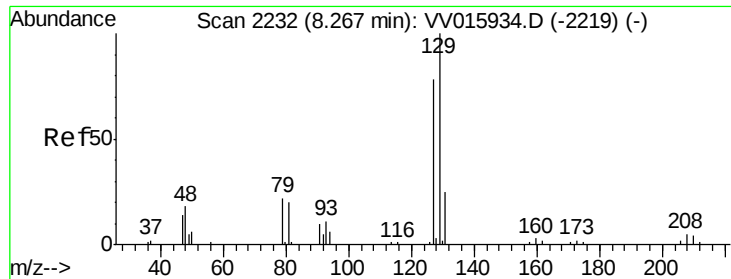
Lab File: VV015941.D

Acq: 07 May 2020 15:33

Tgt Ion	43	58	57	100
Ratio	100	56.8	23.2	10.2
Lower		40.8	14.7	9.0
Upper		61.2	22.1	13.6

Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





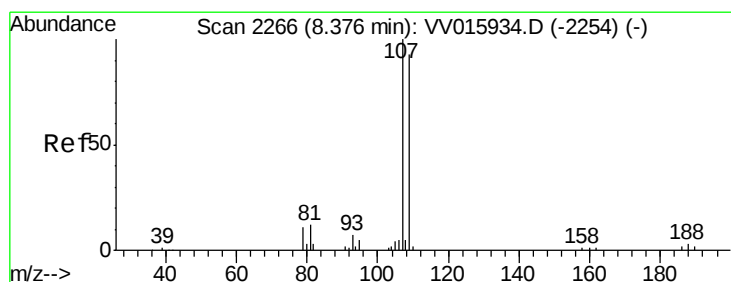
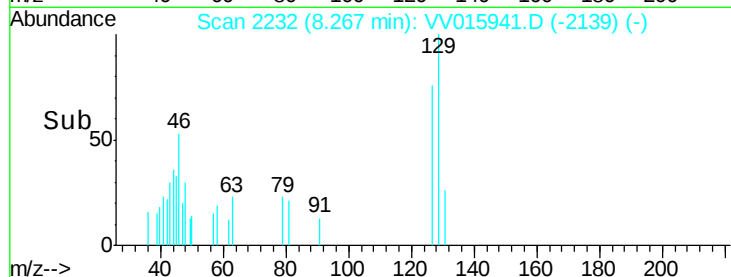
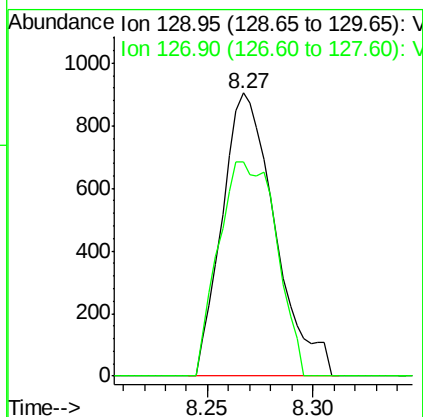
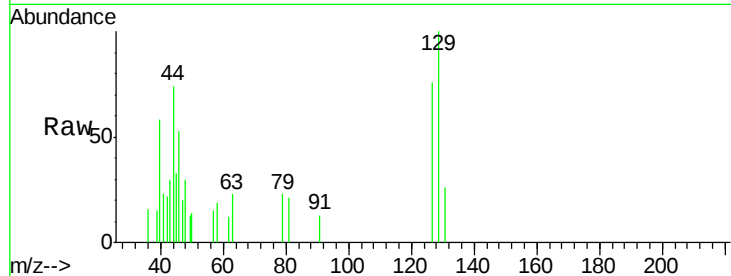
#51
Dibromochloromethane
Concen: 0.224 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.9	56.0	104.0

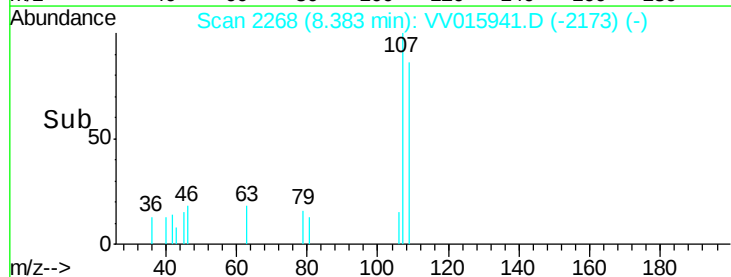
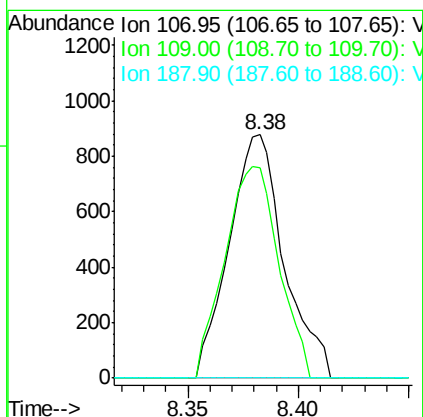
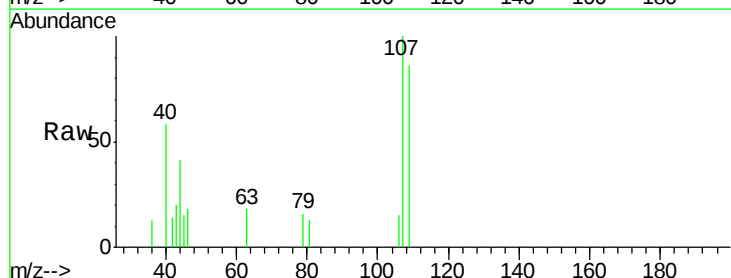
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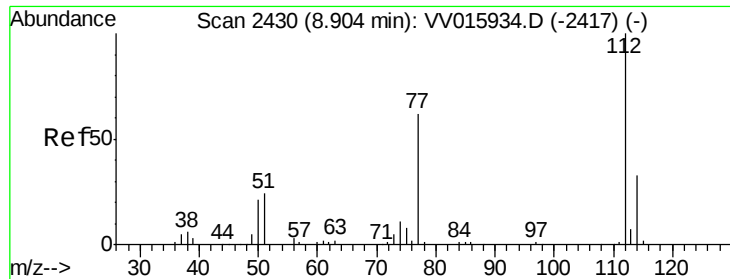
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#52
1,2-Dibromoethane
Concen: 0.260 ug/L
RT: 8.38 min Scan# 2268
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion	Ratio	Lower	Upper
107	100		
109	86.4	68.9	127.9
188	0.0	2.7	4.1#





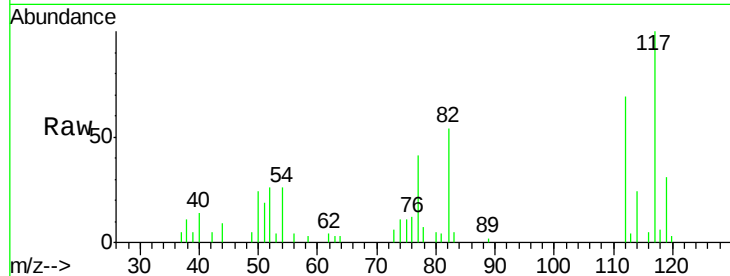
#53
Chlorobenzene
Concen: 0.256 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampled :
MDL03

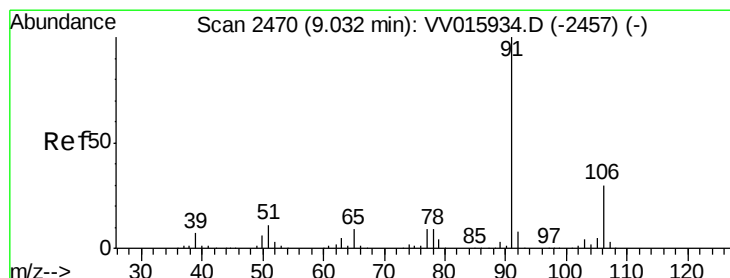
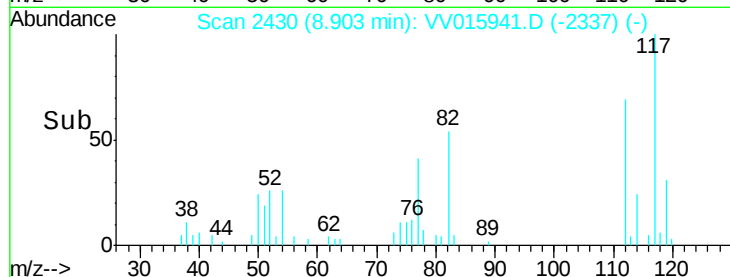
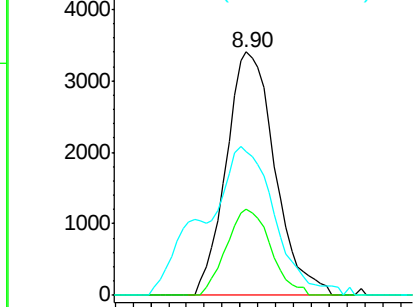
Tot Ion	Ratio	Lower	Upper
112	100		
114	35.2	21.6	40.0
77	59.1	48.6	73.0

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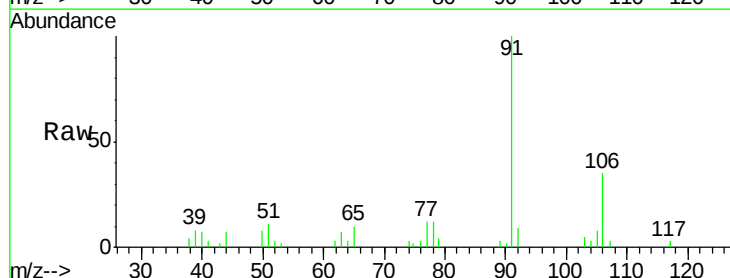


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

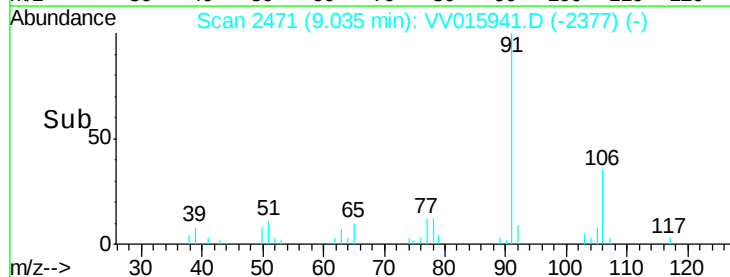
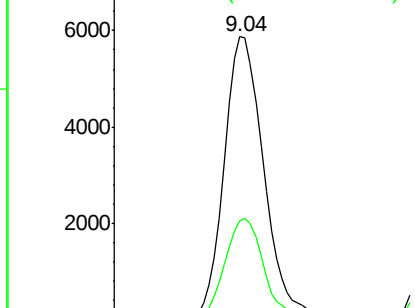


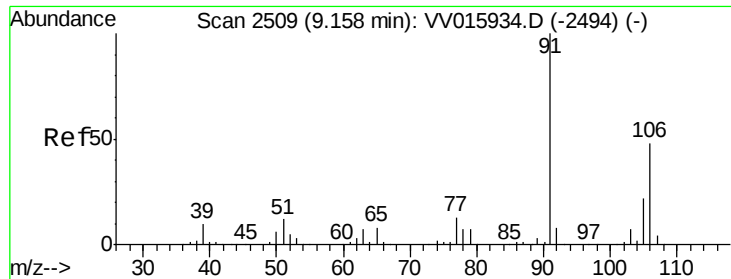
#54
Ethylbenzene
Concen: 0.225 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.1	20.6	38.4



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.250 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion:106 Resp: 4131

Ion Ratio Lower Upper

106 100

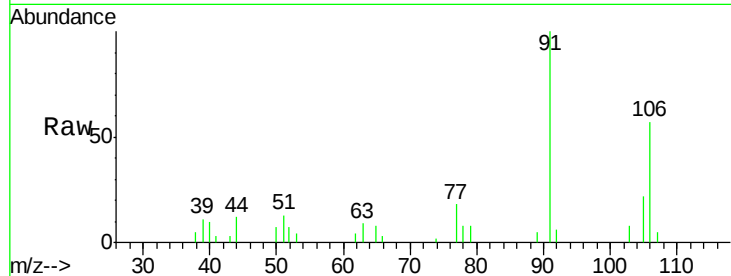
91 176.3 149.9 278.3

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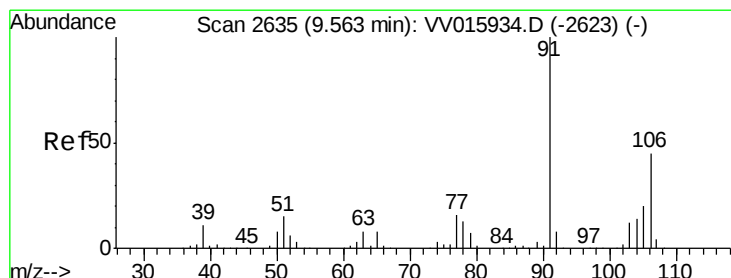
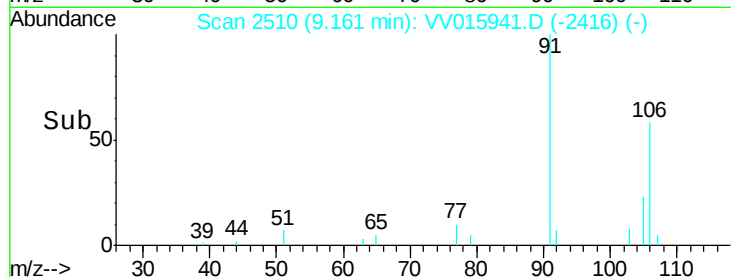
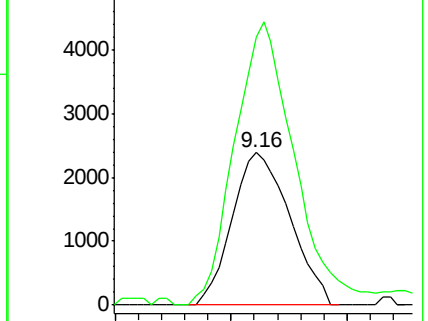
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.229 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015941.D

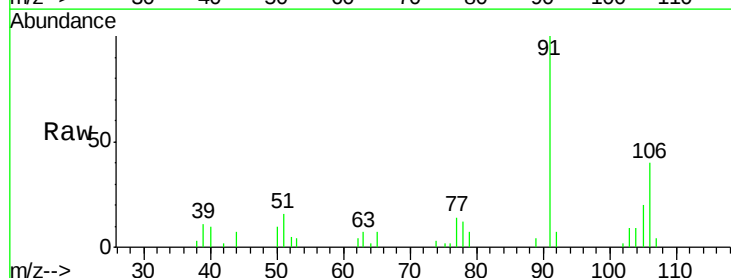
Acq: 07 May 2020 15:33

Tgt Ion:106 Resp: 3628

Ion Ratio Lower Upper

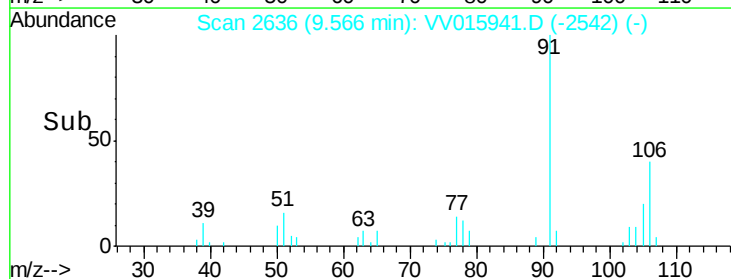
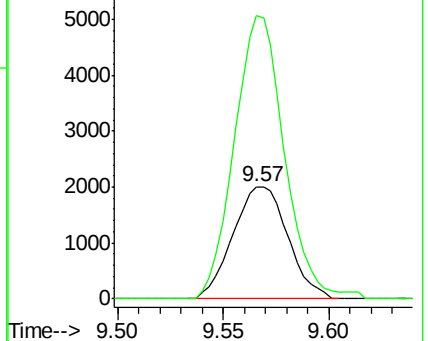
106 100

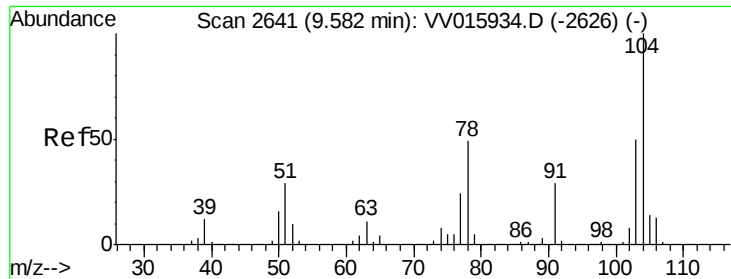
91 252.1 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 0.217 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:104 Resp: 5736

Ion Ratio Lower Upper

104 100

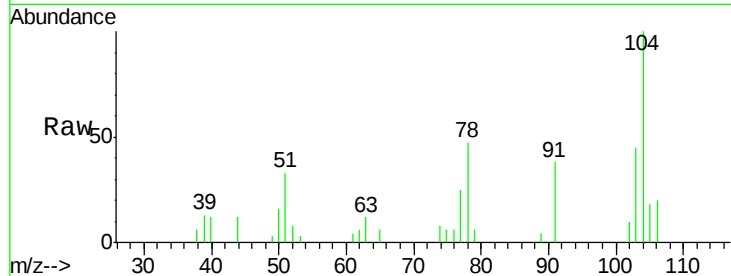
78 46.7 33.9 63.0

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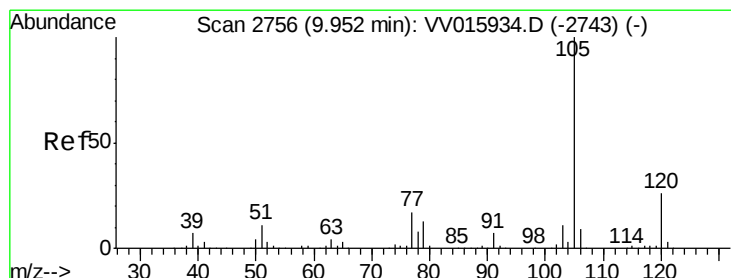
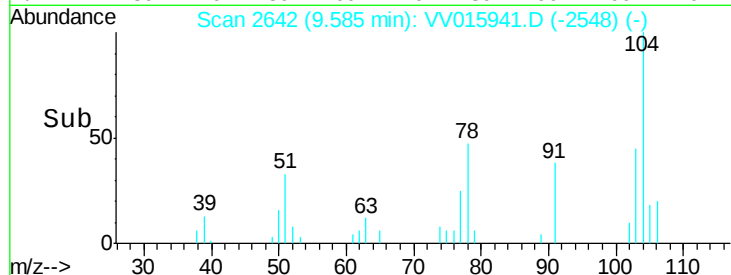
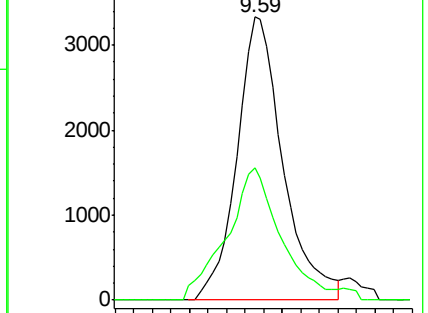
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 0.238 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

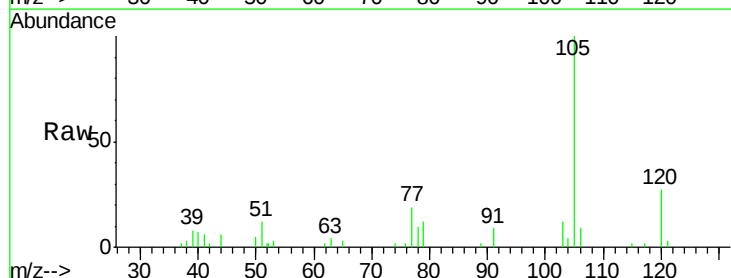
Tgt Ion:105 Resp: 10352

Ion Ratio Lower Upper

105 100

120 24.2 20.8 31.2

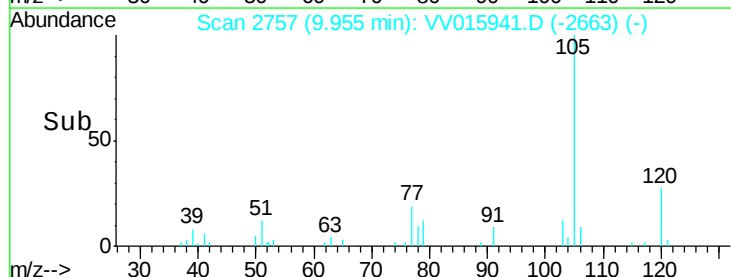
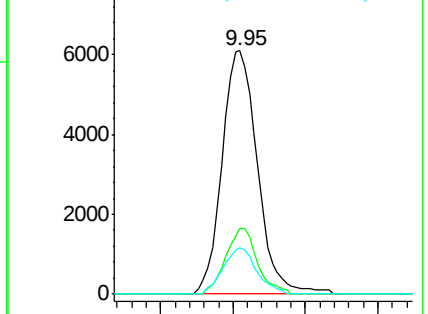
77 18.0 14.1 21.1

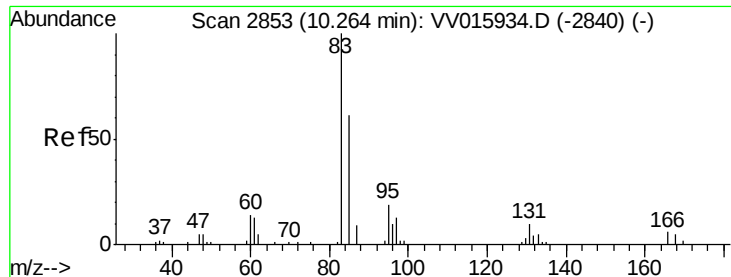


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.291 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Instrument :

MSVOA_V

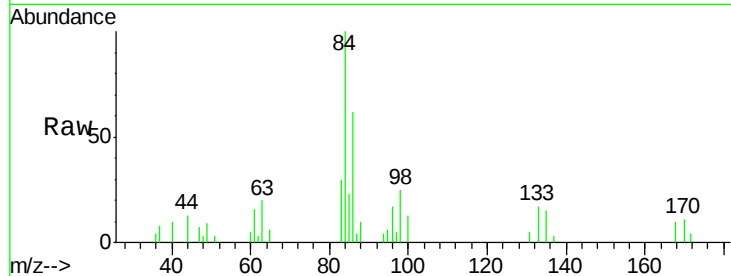
ClientSampled :

MDL03

Tot Ion:	83	Resp:	1952
Ion	Ratio	Lower	Upper
83	100		
85	76.0	44.0	81.6
131	0.0	7.7	11.5#

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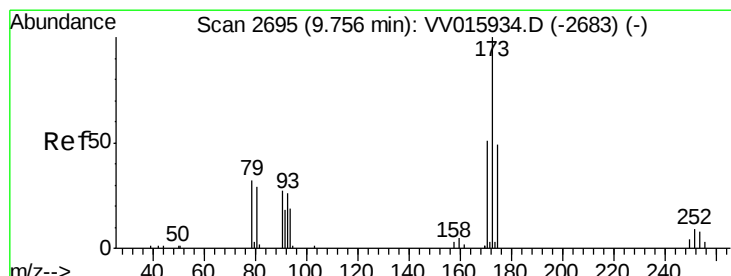
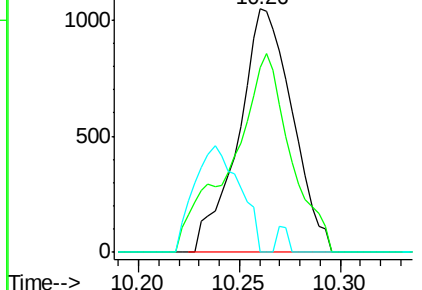
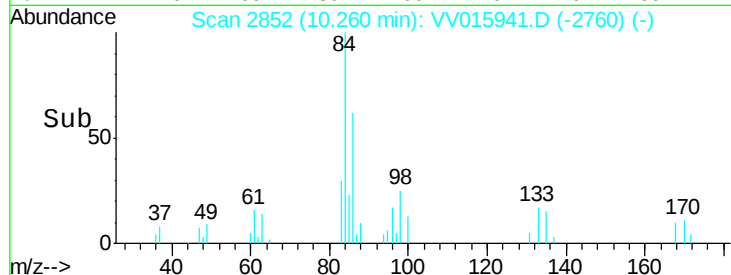


Abundance Ion 82.95 (82.65 to 83.65): VV015934.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV015934.D (-2840) (-)

Ion 130.95 (130.65 to 131.65): VV015934.D (-2840) (-)

Time-->



#62

Bromoform

Concen: 0.173 ug/L

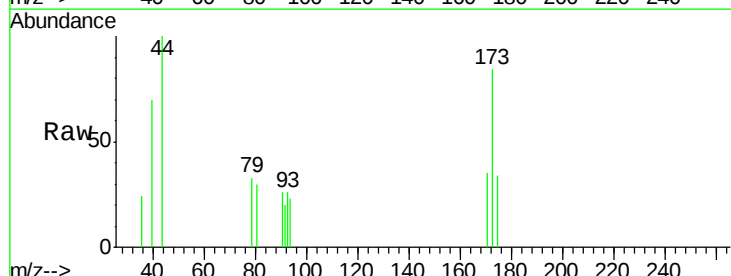
RT: 9.76 min Scan# 2697

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:33

Tgt Ion:	173	Resp:	562
Ion	Ratio	Lower	Upper
173	100		
175	40.6	39.8	59.8
254	0.0	7.1	10.7#

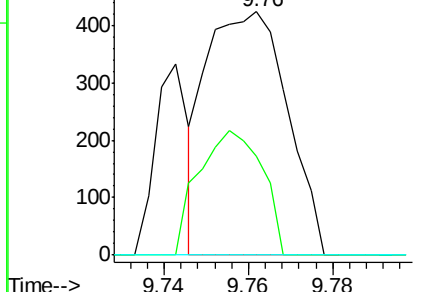
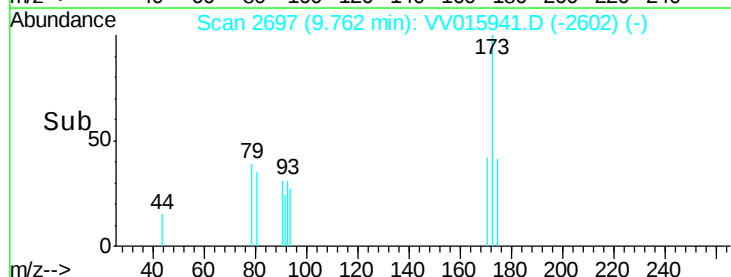


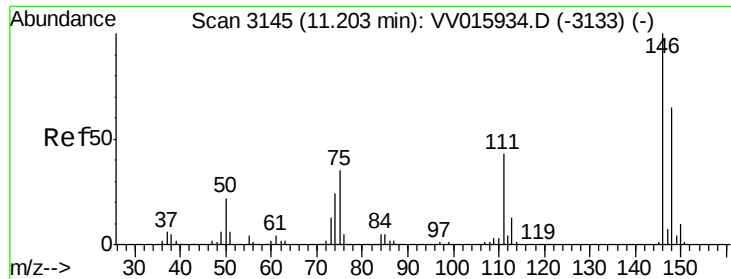
Abundance Ion 172.90 (172.60 to 173.60): VV015934.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015934.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015934.D (-2683) (-)

Time-->





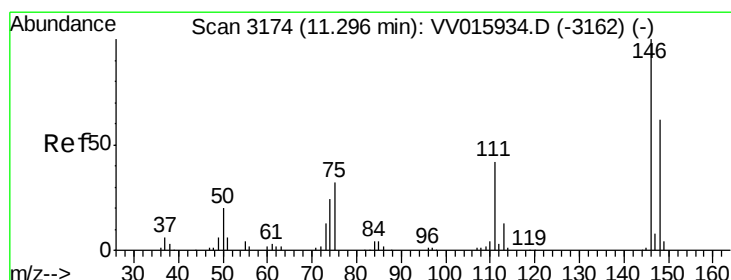
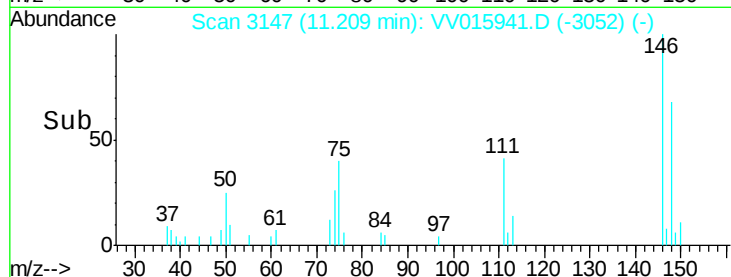
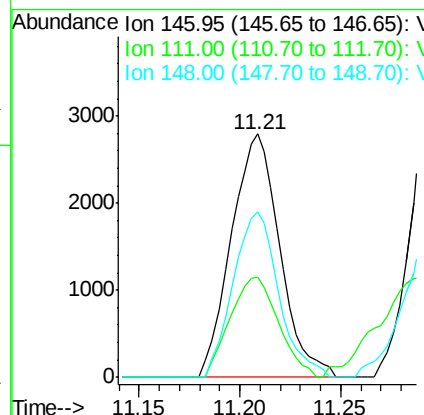
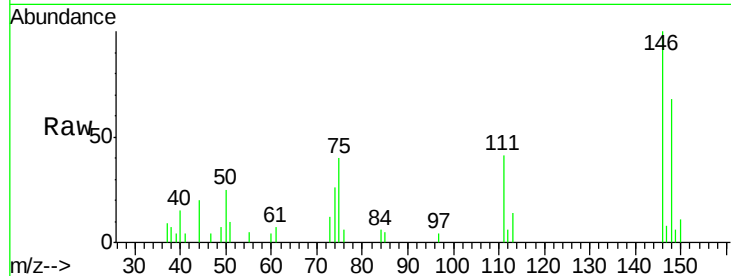
#63
 1,3-Dichlorobenzene
 Concen: 0.247 ug/L
 RT: 11.21 min Scan# 3147
 Delta R.T. 0.01 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.7	53.3
148	67.9	44.0	81.8

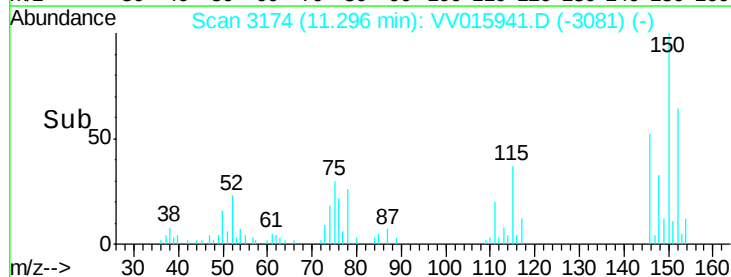
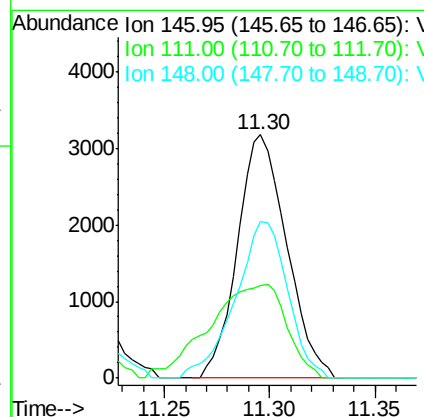
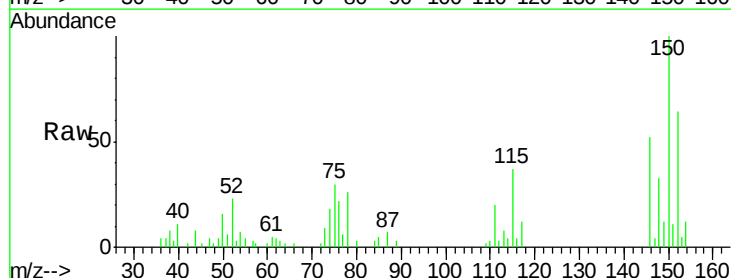
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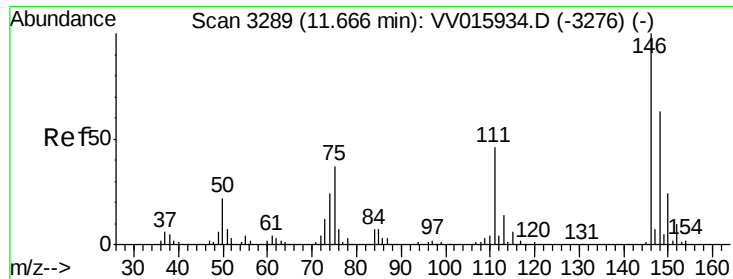
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#64
 1,4-Dichlorobenzene
 Concen: 0.269 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	28.9	53.7
148	64.1	44.6	82.8





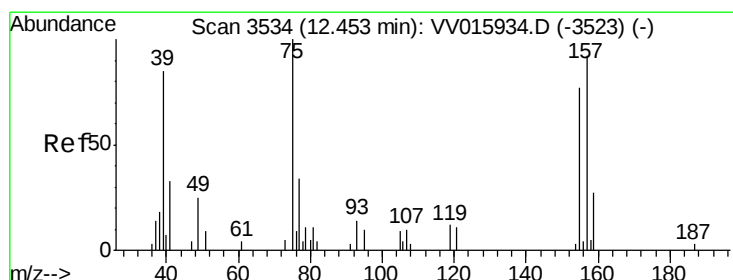
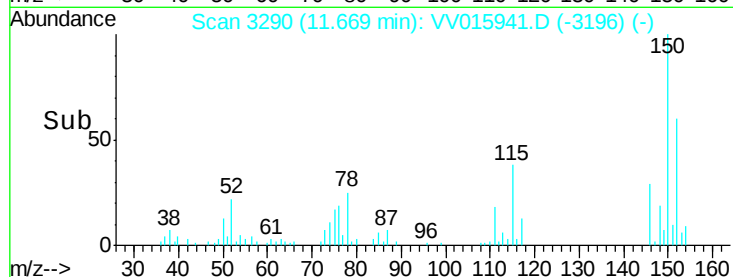
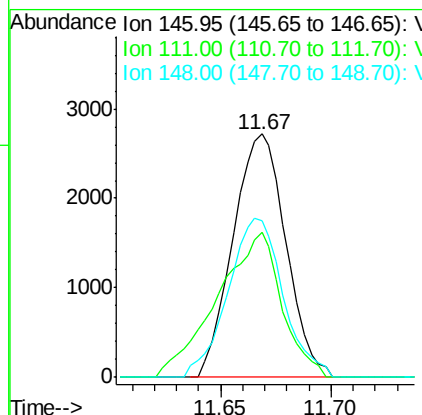
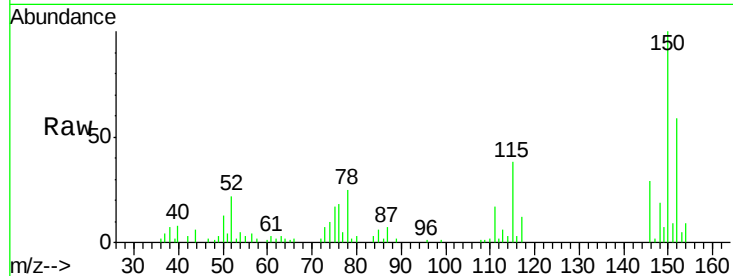
#66
 1,2-Dichlorobenzene
 Concen: 0.264 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion:146 Resp: 4534
 Ion Ratio Lower Upper
 146 100
 111 59.7 37.0 55.4#
 148 64.4 49.8 74.6

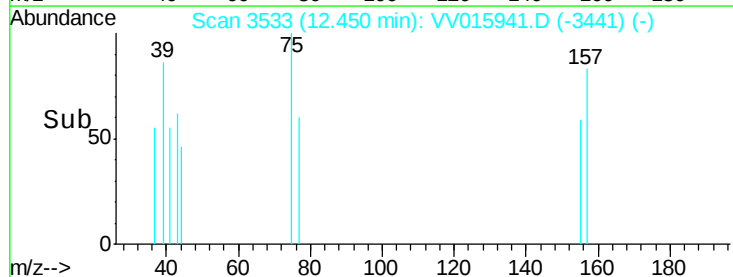
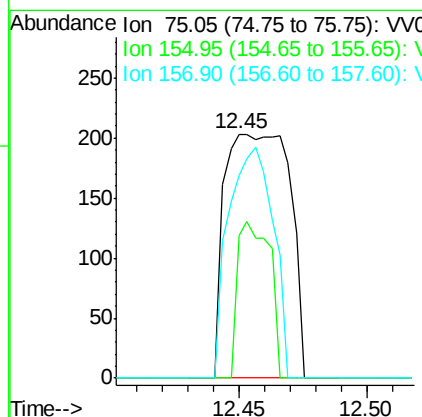
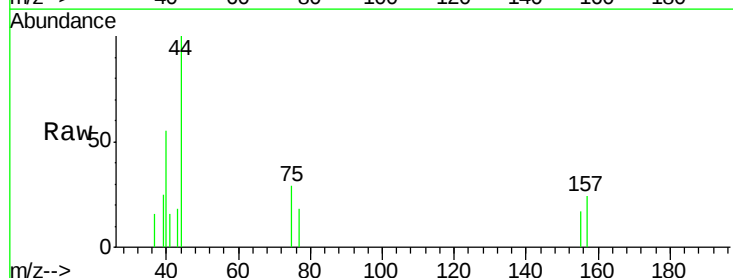
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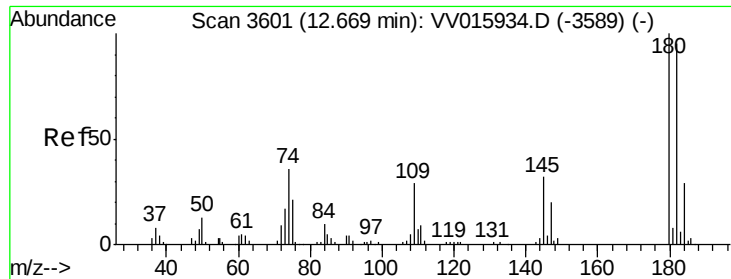
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#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.320 ug/L m
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Tgt Ion: 75 Resp: 359
 Ion Ratio Lower Upper
 75 100
 155 58.6 58.2 87.4
 157 83.3 79.4 119.2





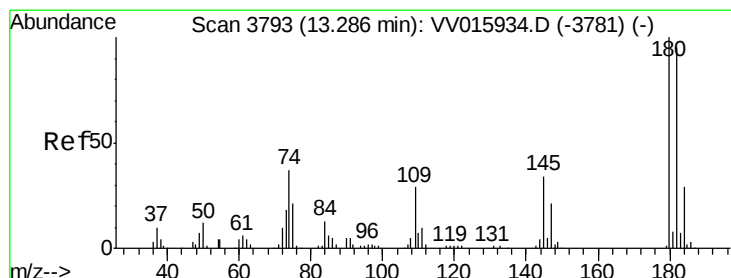
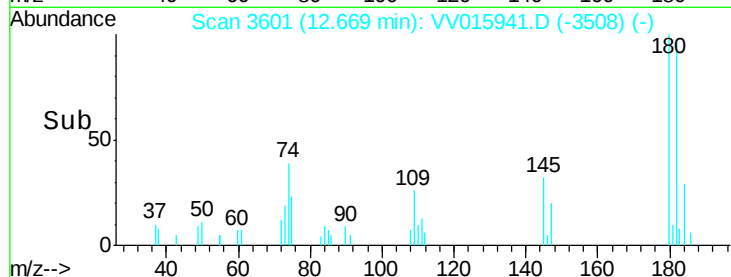
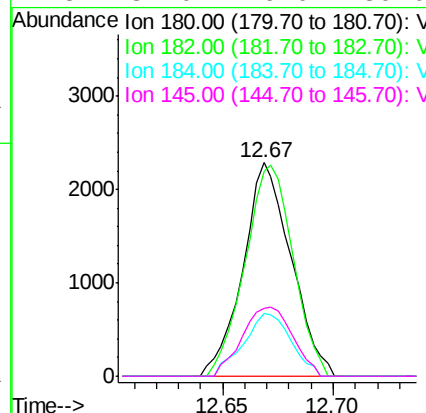
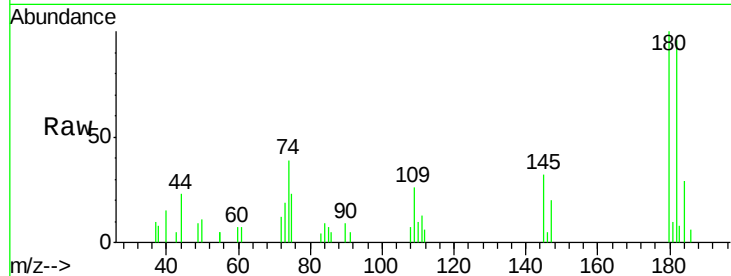
#68
 1,3,5-Trichlorobenzene
 Concen: 0.248 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3453		
182	98.8	75.8	113.6	
184	29.1	24.6	36.8	
145	34.0	26.0	39.0	

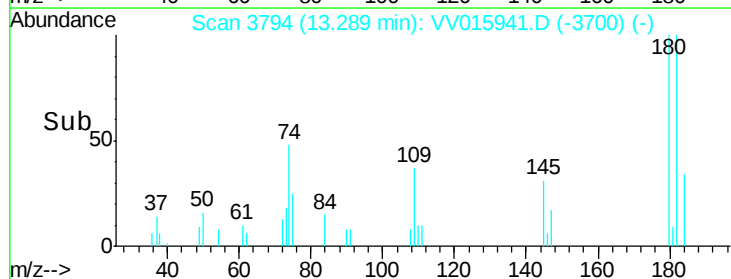
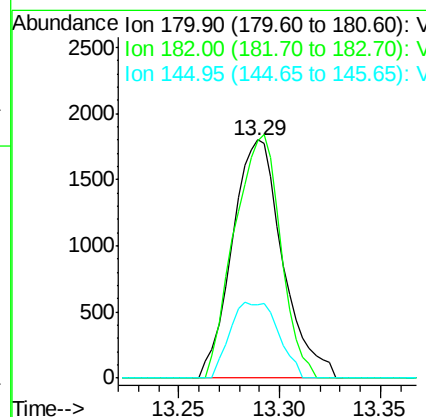
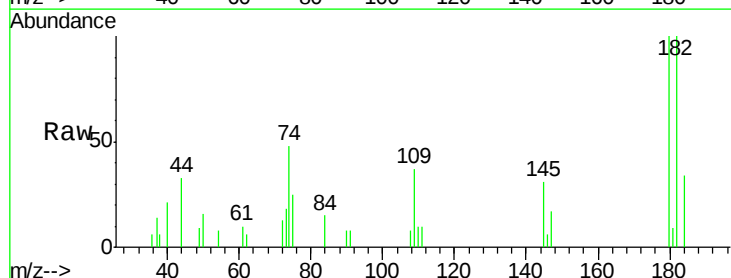
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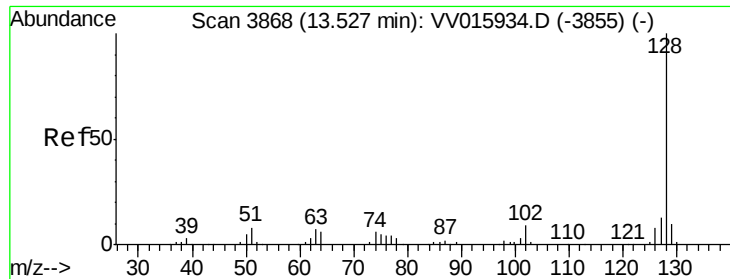
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#69
 1,2,4-trichlorobenzene
 Concen: 0.263 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3142		
182	93.8	76.7	115.1	
145	30.5	26.4	39.6	





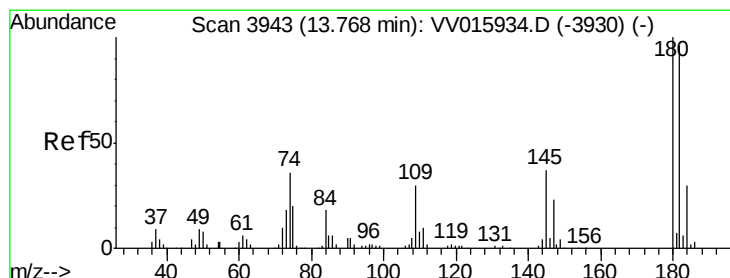
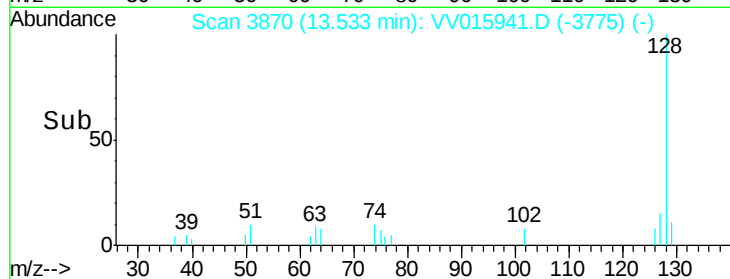
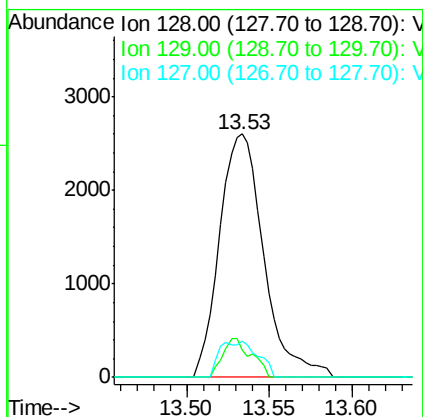
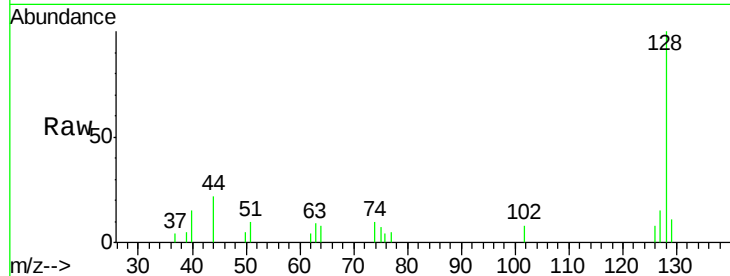
#70
Naphthalene
Concen: 0.254 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.5	12.7
127	5.0	10.2	15.2#

Manual Integrations
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#71
1,2,3-Trichlorobenzene
Concen: 0.257 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.7	77.0	115.6
145	33.6	28.3	42.5

