

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050720\
 Data File : VV015942.D
 Acq On : 07 May 2020 15:57
 Operator : SY/MD
 Sample : MDL04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

apatel
 5/8/2020 12:58:18 PM

Quant Time: May 08 05:50:12 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	149866	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	146551	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	70094	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38087	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.58	69	36230	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.12	63	60666	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.96	46	110541	47.66	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.32%
24) Chloroform-d	4.38	84	81358	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.06	65	50498	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.07	84	168202	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.10	67	53419	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.34	98	153092	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
45) trans-1,3-Dichloropropene-	7.65	79	18561	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
48) 2-Hexanone-d5	8.12	63	86125	46.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37203	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	56134	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2680	0.233 ug/L	100
3) Chloromethane	1.24	50	3031	0.261 ug/L	94
5) Vinyl chloride	1.32	62	2874	0.259 ug/L #	70
6) Bromomethane	1.53	94	1574	0.249 ug/L	97
8) Chloroethane	1.59	64	3238	0.409 ug/L #	80
9) Trichlorofluoromethane	1.76	101	3633	0.238 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2526	0.293 ug/L	89
12) 1,1-Dichloroethene	2.13	96	2496	0.303 ug/L #	1
13) Acetone	2.24	43	3365m	2.200 ug/L	
14) Carbon disulfide	2.30	76	6214	0.228 ug/L	96
16) Methylene chloride	2.52	84	3196	0.324 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	4961	0.231 ug/L #	87
18) trans-1,2-Dichloroethene	2.78	96	2132	0.234 ug/L	84
19) 1,1-Dichloroethane	3.21	63	4077	0.232 ug/L	95
21) 2-Butanone	4.05	43	2668m	1.145 ug/L	
22) cis-1,2-Dichloroethene	3.95	96	2319	0.243 ug/L	85
23) Bromochloromethane	4.28	128	930m	0.228 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	12518	0.647	ug/L	92
27) 1,2-Dichloroethane	5.17	62	2800	0.236	ug/L #	83
29) 1,1,1-Trichloroethane	4.64	97	3561	0.220	ug/L	94
30) Cyclohexane	4.70	56	3426	0.212	ug/L	93
31) Carbon tetrachloride	4.85	117	3213	0.230	ug/L	99
33) Benzene	5.13	78	9168	0.249	ug/L	100
34) Trichloroethene	5.95	95	2376	0.226	ug/L #	88
35) Methylcyclohexane	6.16	83	3837	0.241	ug/L	97
37) 1,2-Dichloropropane	6.21	63	2334	0.249	ug/L #	87
38) Bromodichloromethane	6.53	83	2632	0.221	ug/L #	99
39) cis-1,3-Dichloropropene	7.05	75	2726	0.206	ug/L	86
40) 4-Methyl-2-pentanone	7.26	43	11734	2.010	ug/L #	89
42) Toluene	7.41	91	8868	0.227	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	6792	0.189	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	6505	0.181	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	2354	0.210	ug/L	94
47) 1,1,2-Trichloroethane	7.87	97	1364	0.218	ug/L	91
49) Tetrachloroethene	8.00	164	1794	0.244	ug/L	90
50) 2-Hexanone	8.17	43	15551	3.766	ug/L #	92
51) Dibromochloromethane	8.27	129	1553	0.221	ug/L	85
52) 1,2-Dibromoethane	8.38	107	1443	0.249	ug/L #	87
53) Chlorobenzene	8.90	112	5546	0.221	ug/L #	89
54) Ethylbenzene	9.04	91	9553	0.215	ug/L	91
55) m,p-xylene	9.16	106	3424	0.208	ug/L	92
56) o-xylene	9.57	106	3369	0.214	ug/L	96
57) Styrene	9.59	104	4815	0.183	ug/L	95
58) Isopropylbenzene	9.95	105	8832	0.204	ug/L	97
60) 1,1,2,2-Tetrachloroethane	10.27	83	1844	0.276	ug/L #	94
62) Bromoform	9.76	173	636	0.198	ug/L #	81
63) 1,3-Dichlorobenzene	11.21	146	4367	0.231	ug/L	92
64) 1,4-Dichlorobenzene	11.29	146	4737	0.250	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	4156	0.243	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	3281	0.238	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	2642	0.223	ug/L	97
70) Naphthalene	13.53	128	4382	0.232	ug/L #	95
71) 1,2,3-Trichlorobenzene	13.77	180	2118	0.202	ug/L	90

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

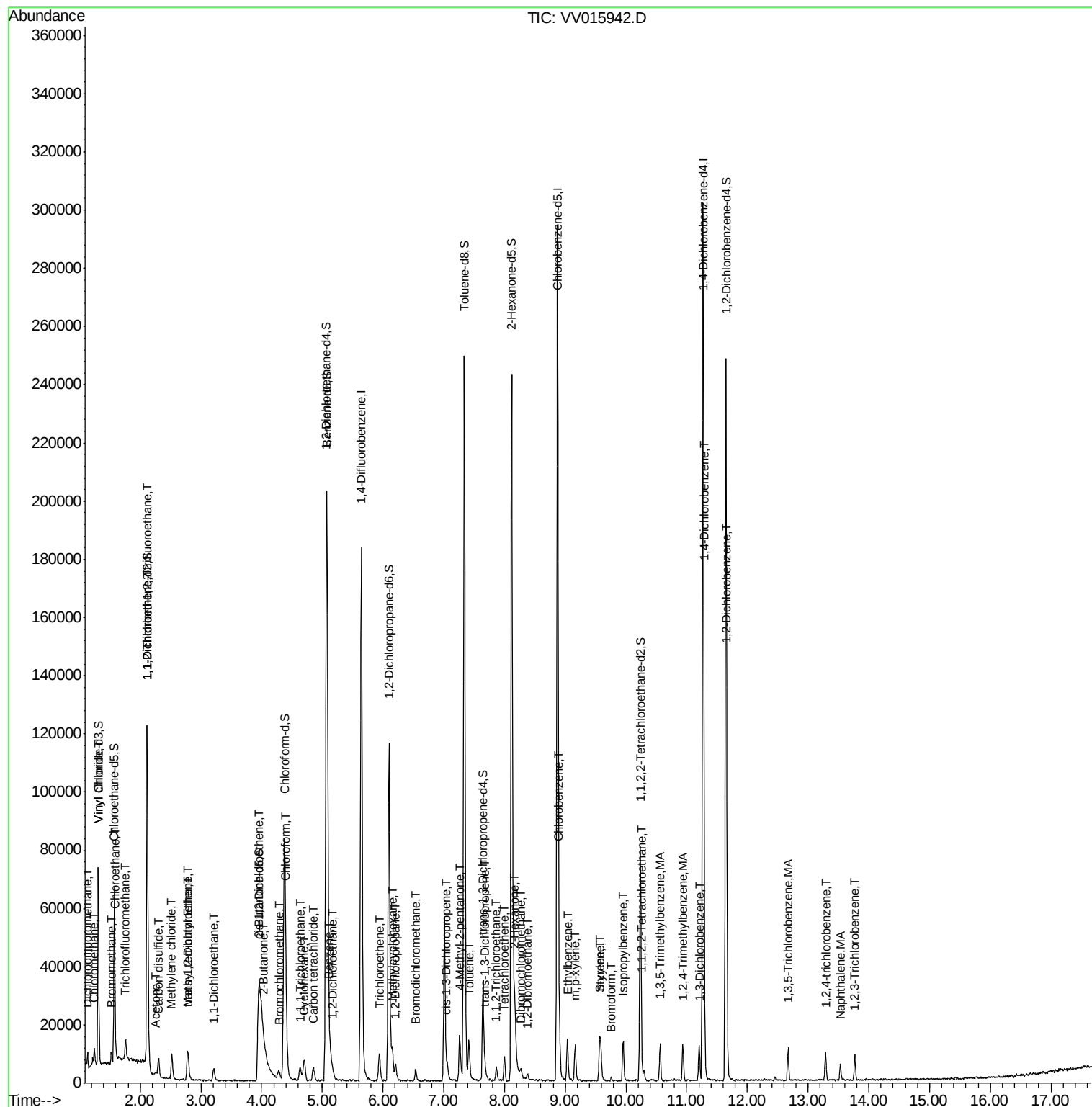
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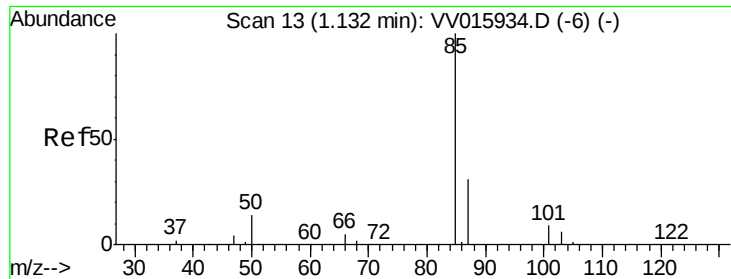
Instrument :
MSVOA_V
ClientSampleId :
MDL04

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#2

Dichlorodifluoromethane

Concen: 0.233 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 85 Resp: 2680

Ion Ratio Lower Upper

85 100

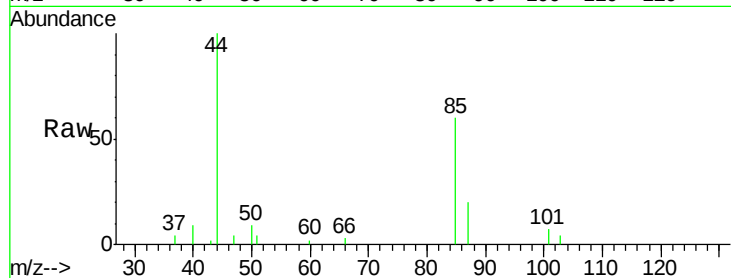
87 32.9 26.4 39.6

Manual Integrations

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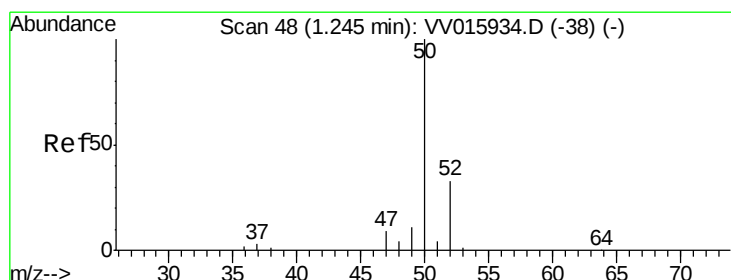
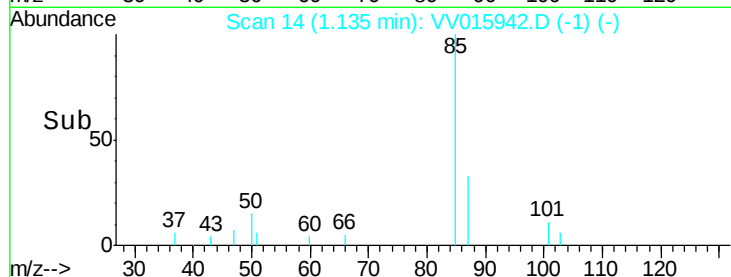
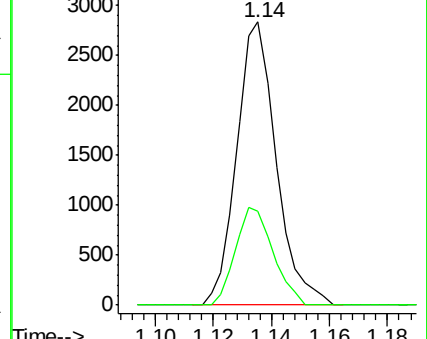
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Abundance Ion 85.00 (84.70 to 85.70): VV015934.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015934.D (-6) (-)



#3

Chloromethane

Concen: 0.261 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015942.D

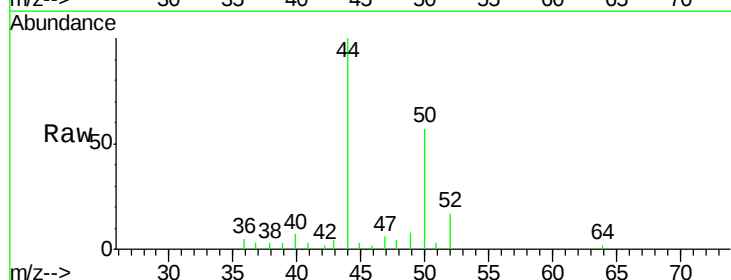
Acq: 07 May 2020 15:57

Tgt Ion: 50 Resp: 3031

Ion Ratio Lower Upper

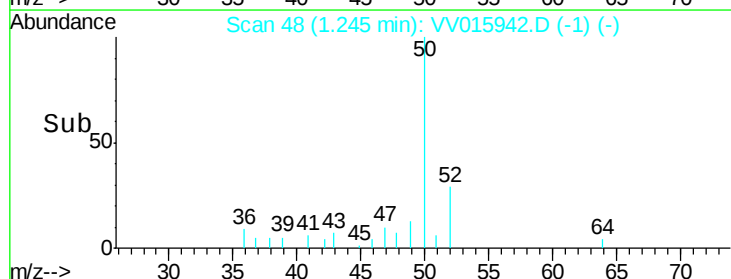
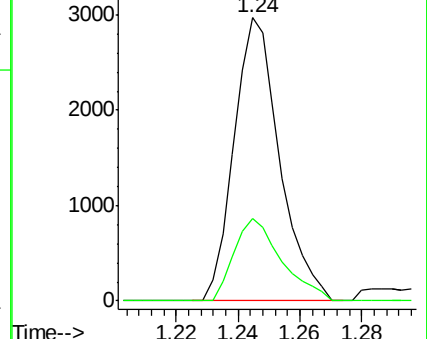
50 100

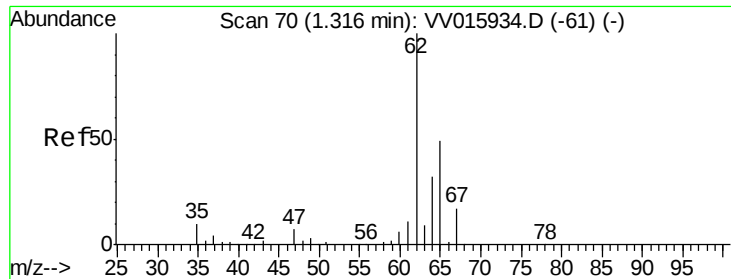
52 29.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015934.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV015934.D (-38) (-)





#5

Vinyl chloride

Concen: 0.259 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 2874

Ion Ratio Lower Upper

62 100

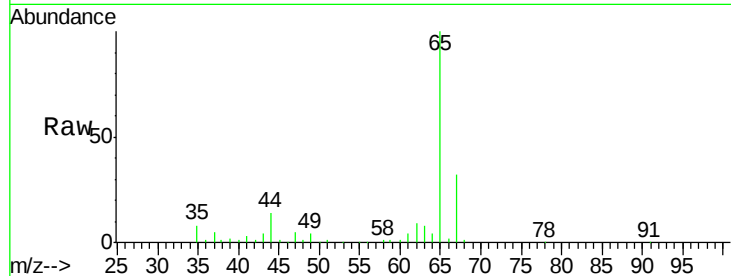
64 48.9 22.4 41.6#

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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

3000

2500

2000

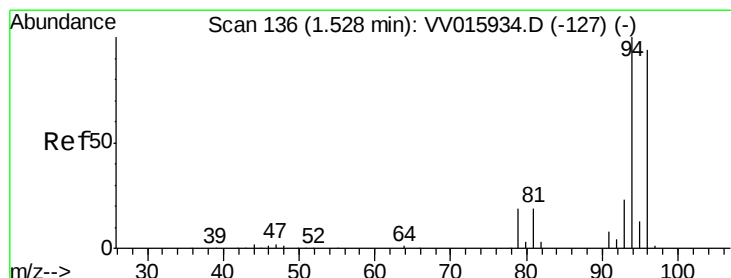
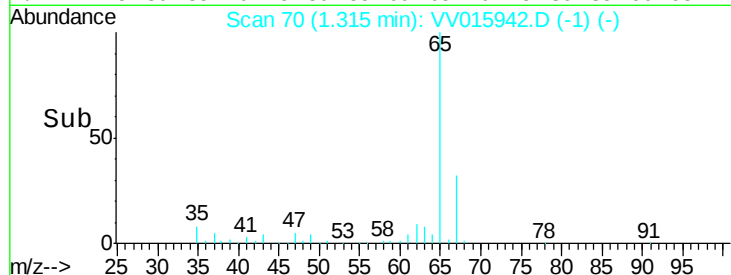
1500

1000

500

0

Time-->



#6

Bromomethane

Concen: 0.249 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015942.D

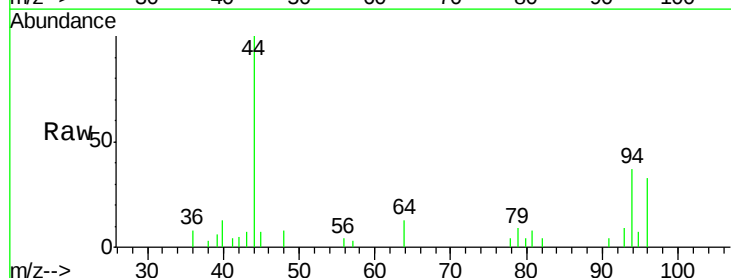
Acq: 07 May 2020 15:57

Tgt Ion: 94 Resp: 1574

Ion Ratio Lower Upper

94 100

96 90.2 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

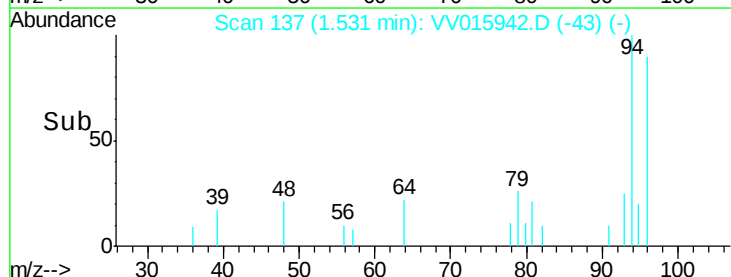
1500

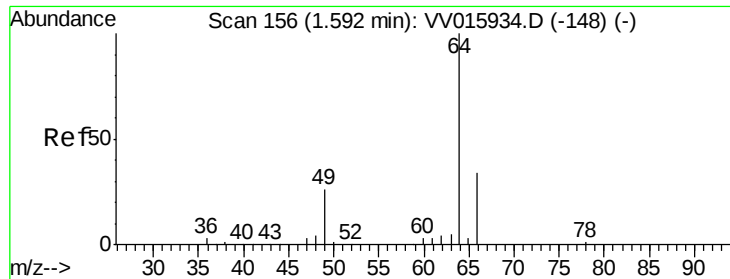
1000

500

0

Time-->





#8

Chloroethane

Concen: 0.409 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 64 Resp: 3238

Ion Ratio Lower Upper

64 100

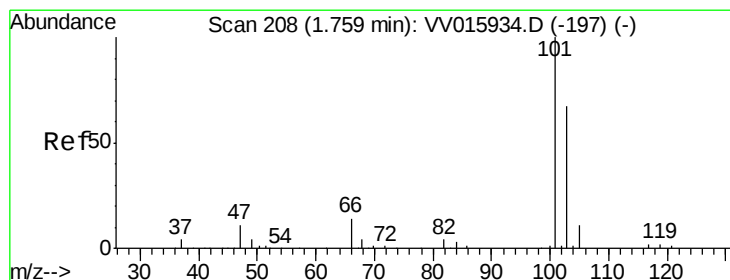
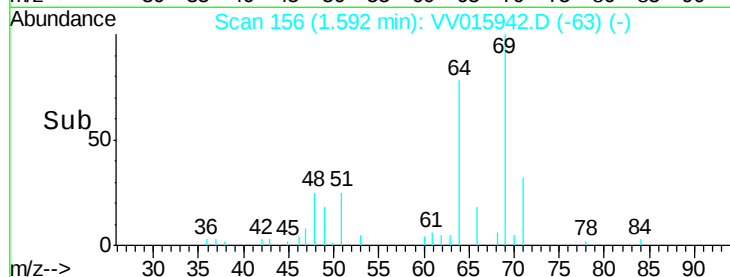
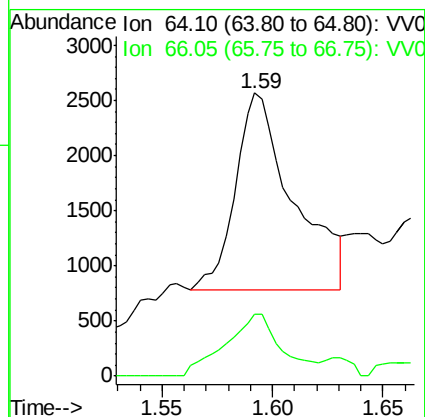
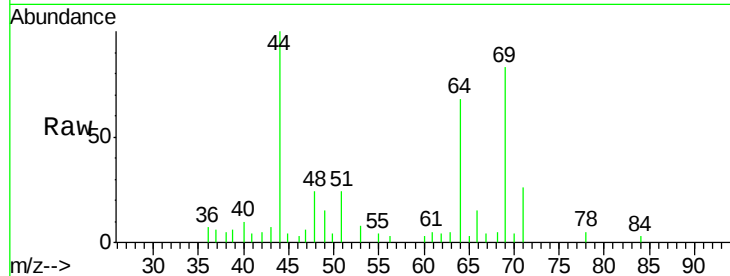
66 22.0 23.6 43.8#

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.238 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015942.D

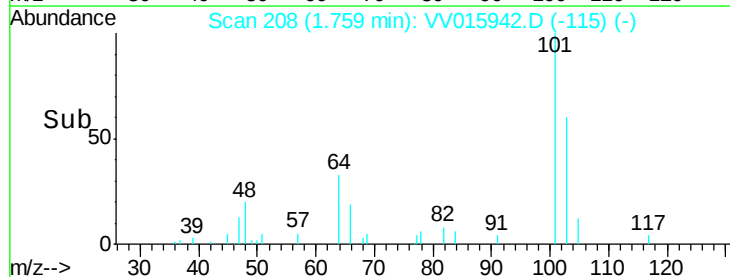
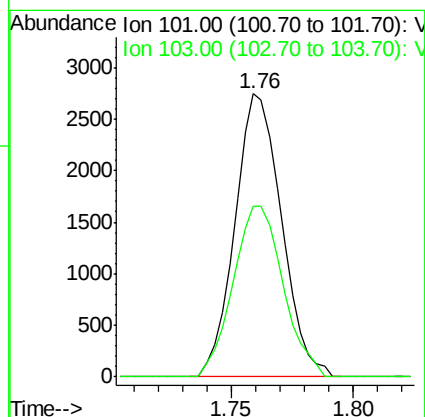
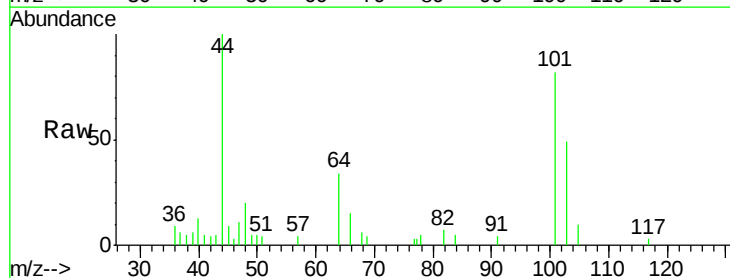
Acq: 07 May 2020 15:57

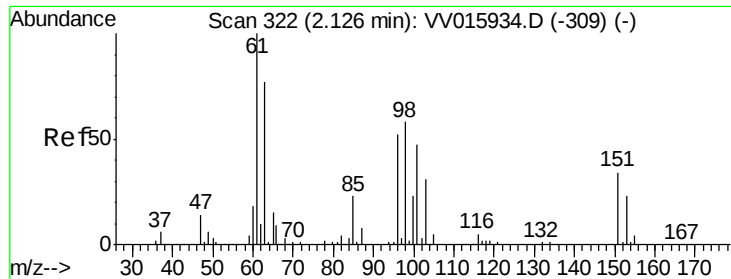
Tgt Ion: 101 Resp: 3633

Ion Ratio Lower Upper

101 100

103 64.8 51.4 77.2





#10

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

Concen: 0.293 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

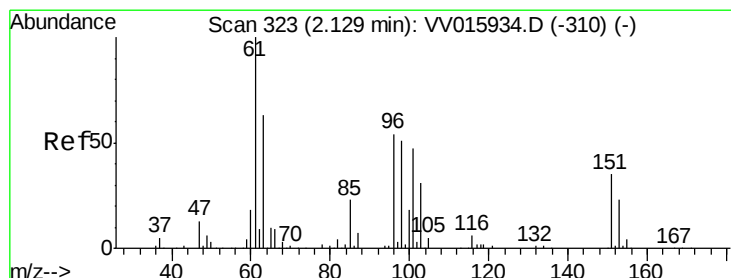
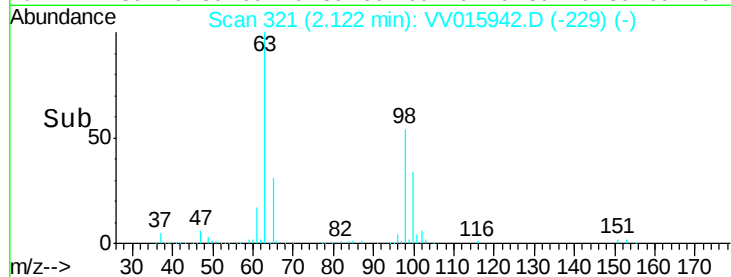
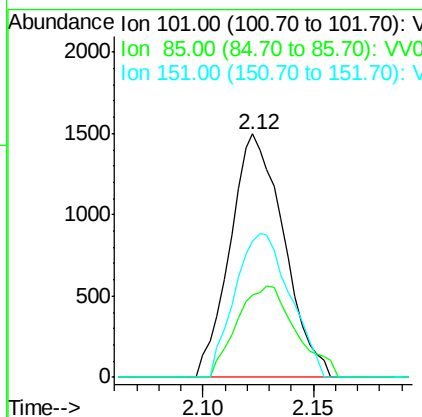
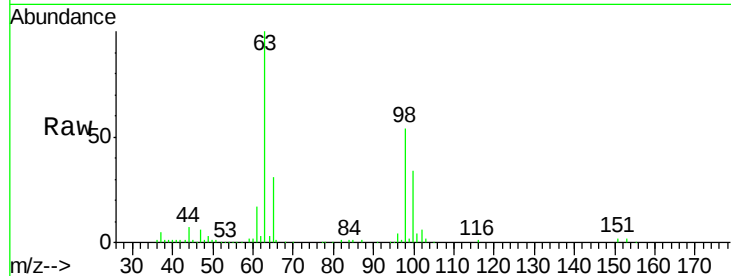
ClientSampled :

MDL04

Tot Ion:	101	Resp:	2526
Ion Ratio	Lower	Upper	
101	100		
85	41.3	35.7	53.5
151	60.9	58.0	87.0

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#12

1,1-Dichloroethene

Concen: 0.303 ug/L

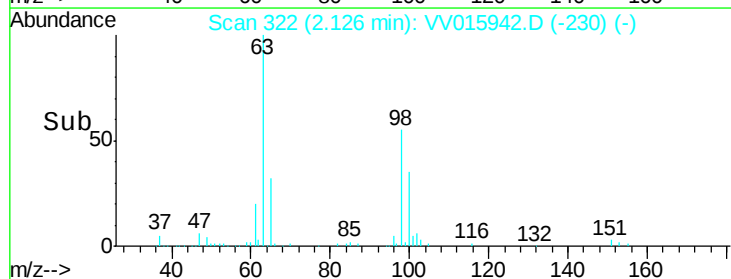
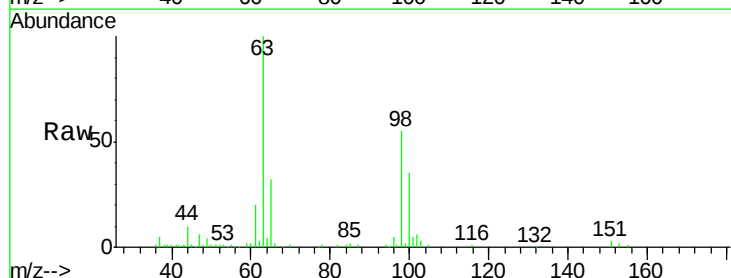
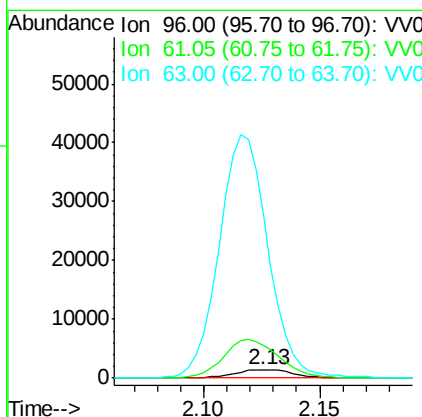
RT: 2.13 min Scan# 322

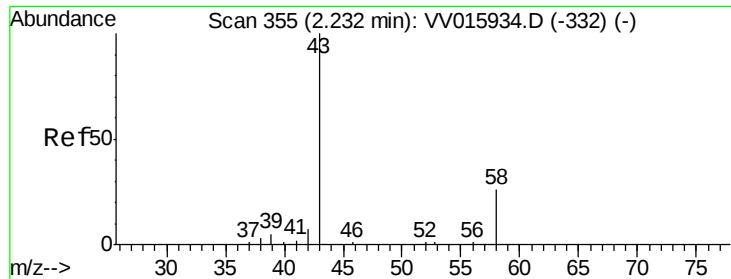
Delta R.T. -0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Tgt Ion:	96	Resp:	2496
Ion Ratio	Lower	Upper	
96	100		
61	384.7	139.9	259.7#
63	1887.1	106.4	197.6#





#13

Acetone

Concen: 2.200 ug/L m

RT: 2.24 min Scan# 359

Delta R.T. 0.01 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 3365

Ion Ratio Lower Upper

43 100

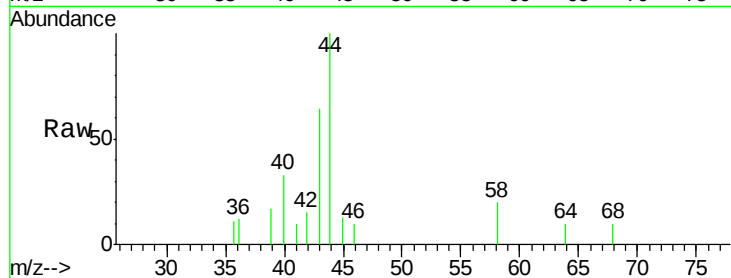
58 3.7 0.0 30.8

Manual Integrations

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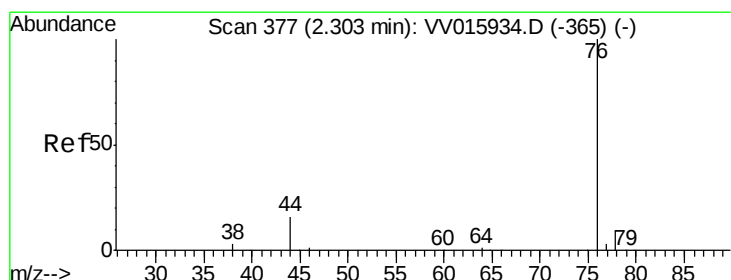
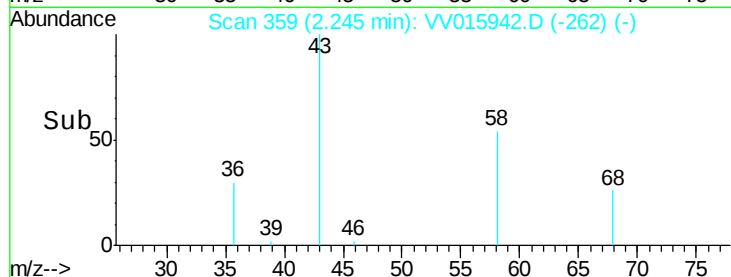
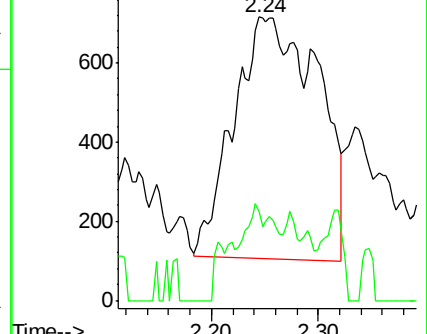
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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.228 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015942.D

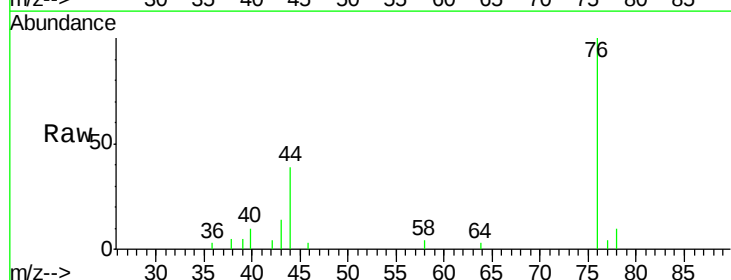
Acq: 07 May 2020 15:57

Tgt Ion: 76 Resp: 6214

Ion Ratio Lower Upper

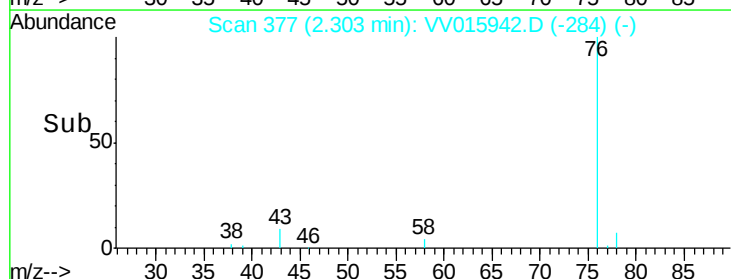
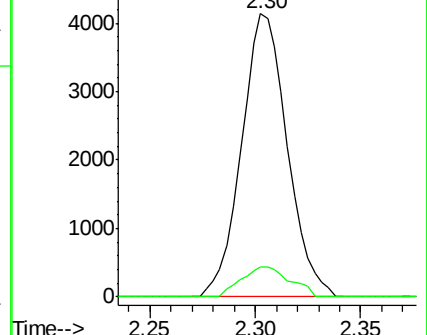
76 100

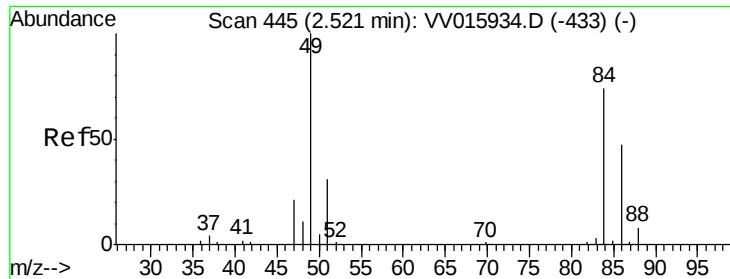
78 10.4 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





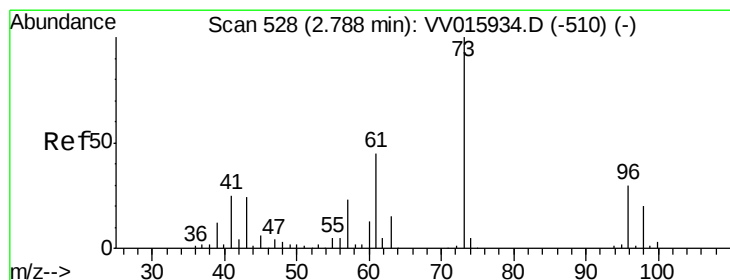
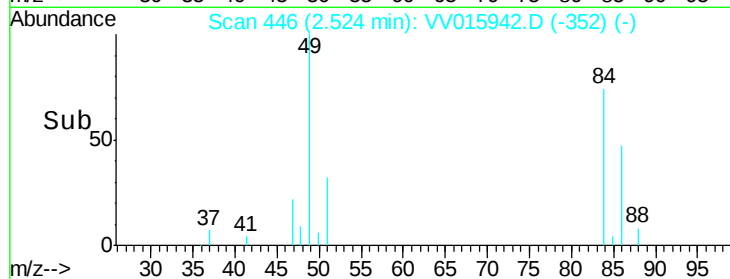
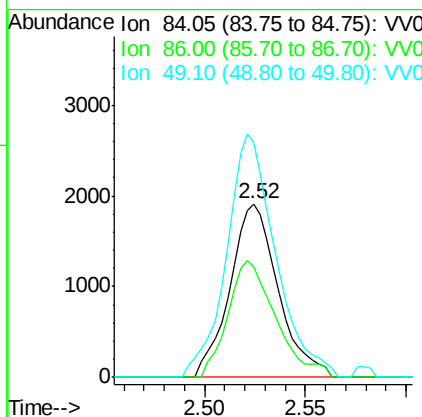
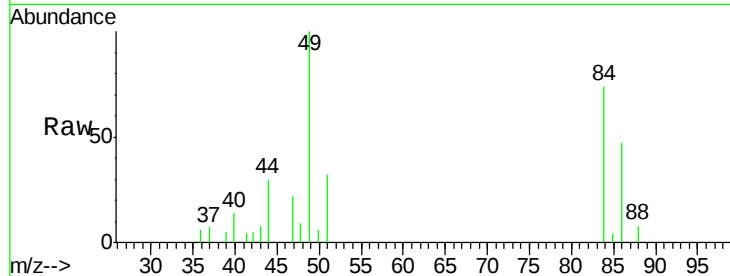
#16
Methvlene chloride
Concen: 0.324 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 84 Resp: 3196
Ion Ratio Lower Upper
84 100
86 63.8 45.6 84.8
49 135.4 93.6 173.8

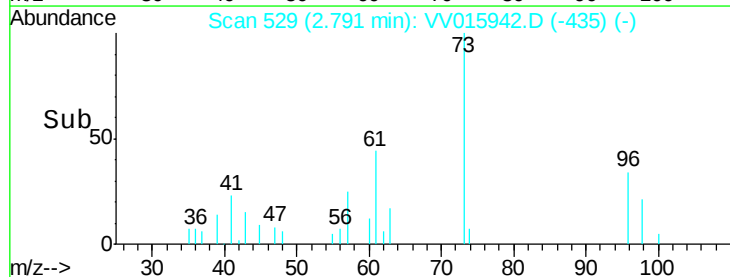
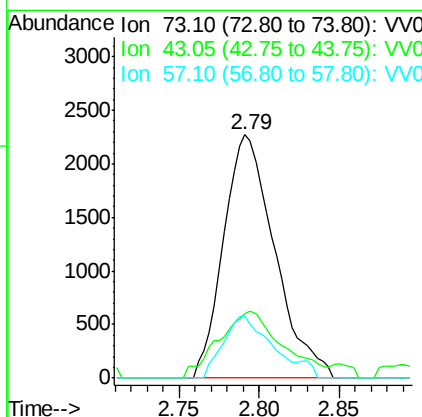
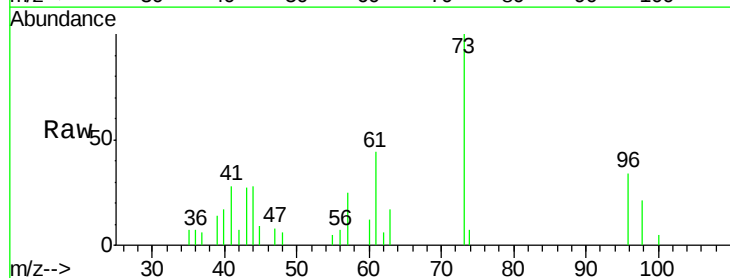
Manual Integrations
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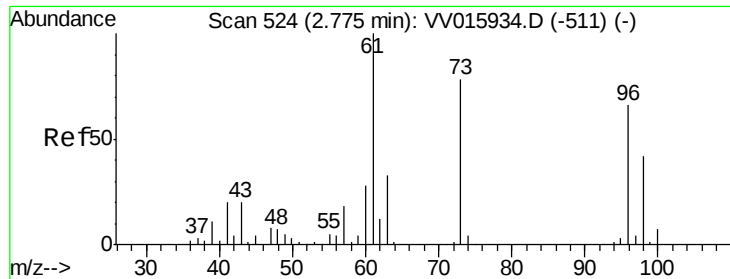
apatel
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#17
Methyl tert-butyl Ether
Concen: 0.231 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Tgt Ion: 73 Resp: 4961
Ion Ratio Lower Upper
73 100
43 34.6 18.8 28.2#
57 23.4 17.8 26.6





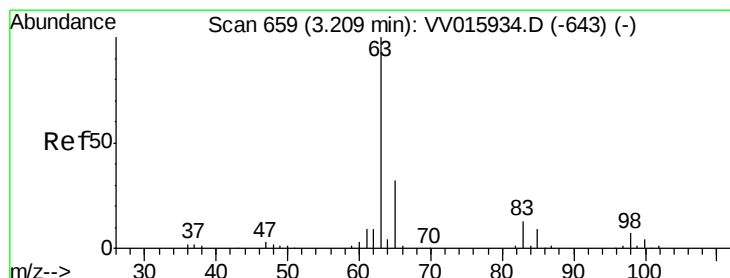
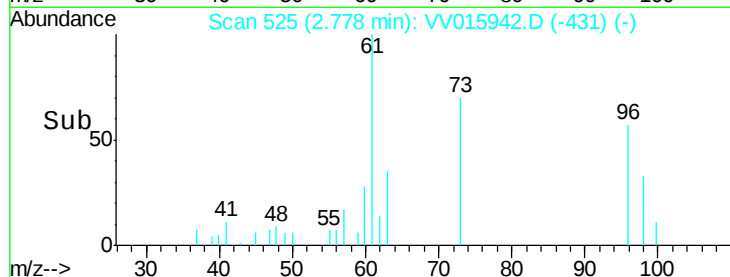
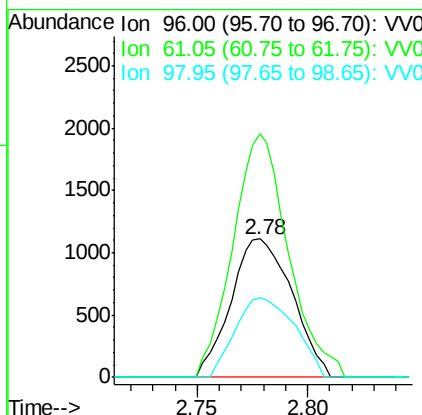
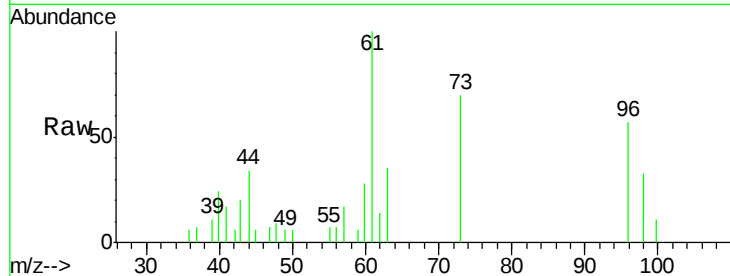
#18
trans-1,2-Dichloroethene
Concen: 0.234 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.9	105.3	195.5
98	57.5	44.0	81.6

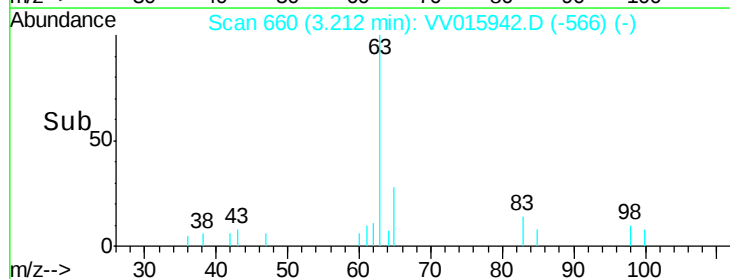
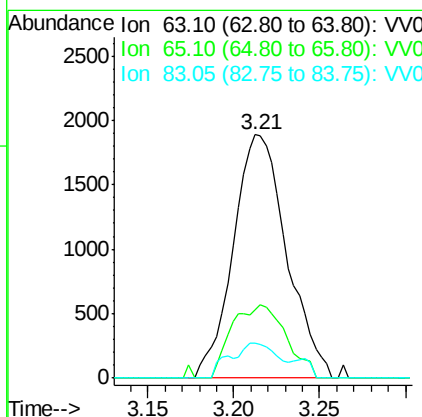
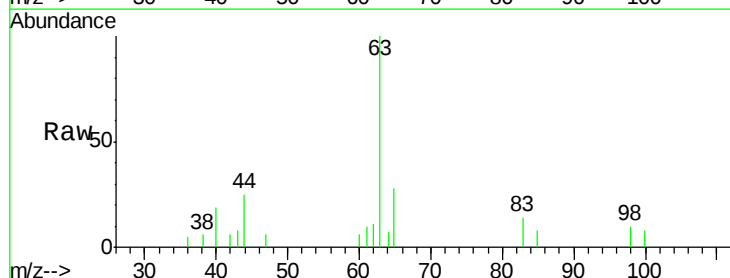
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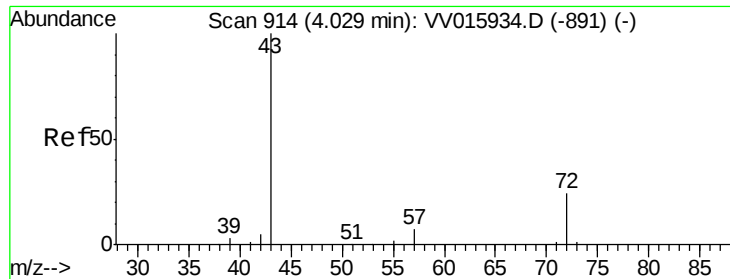
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#19
1,1-Dichloroethane
Concen: 0.232 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Tgt Ion	Ratio	Lower	Upper
63	100		
65	28.0	22.0	41.0
83	14.5	9.8	18.2





#21

2-Butanone

Concen: 1.145 ug/L m

RT: 4.05 min Scan# 920

Delta R.T. 0.02 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 2668

Ion Ratio Lower Upper

43 100

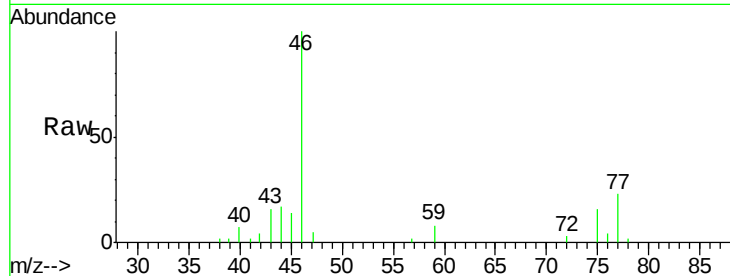
72 12.4 10.5 31.5

Manual Integrations

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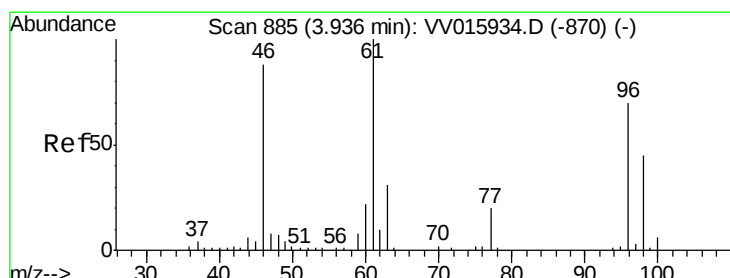
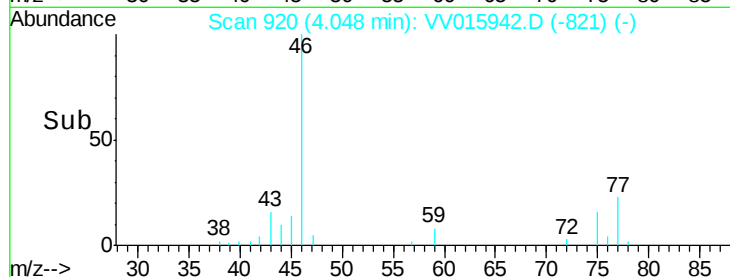
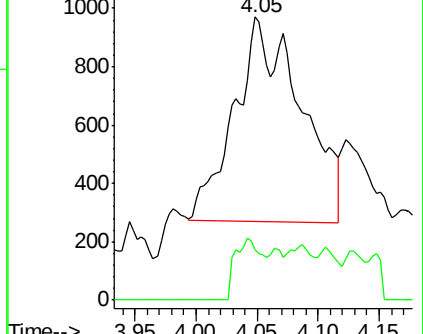
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.243 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

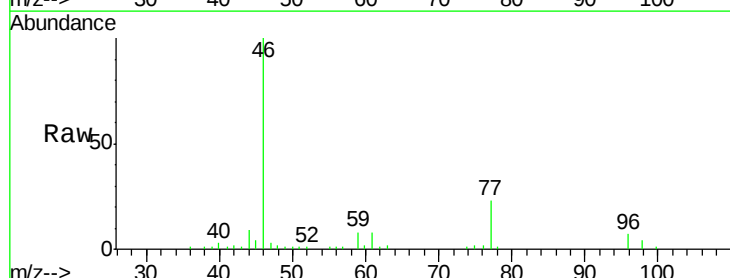
Tgt Ion: 96 Resp: 2319

Ion Ratio Lower Upper

96 100

61 120.3 97.2 180.6

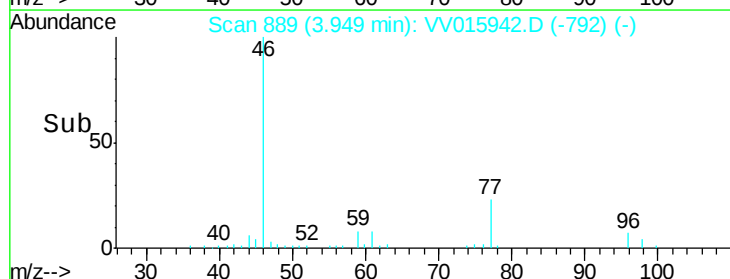
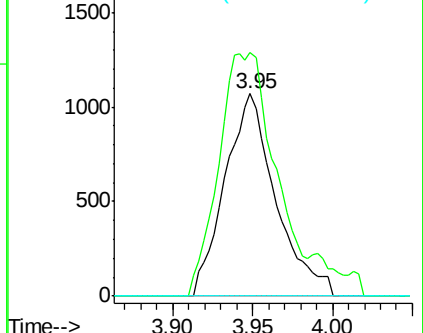
68 0.0 0.0 0.0

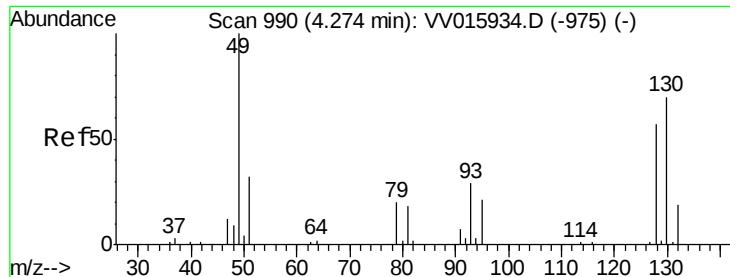


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





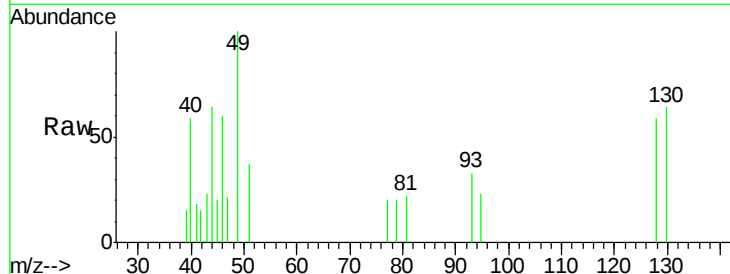
#23
Bromochloromethane
Concen: 0.228 ug/L m
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

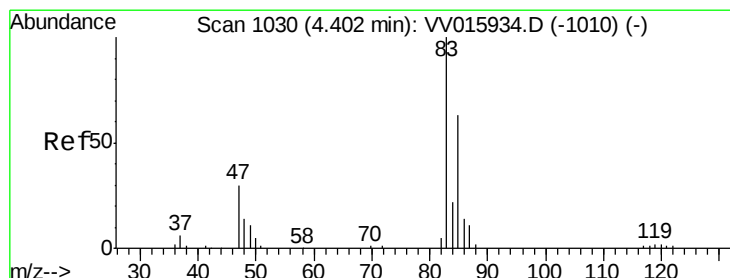
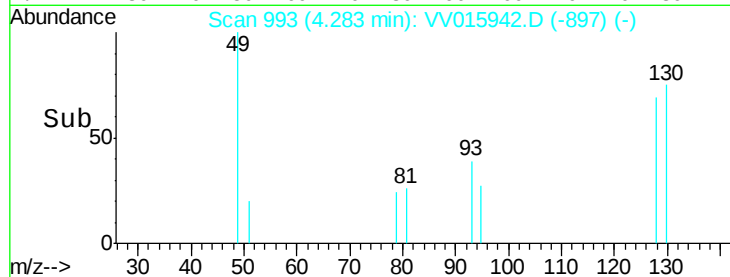
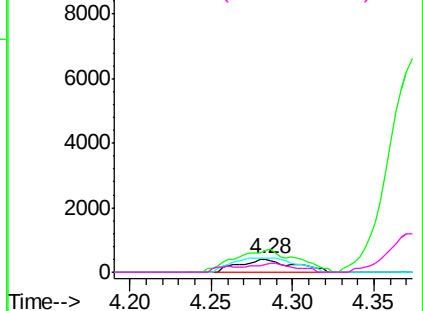
Tot Ion:	128	Resp:	930
Ion	Ratio	Lower	Upper
128	100		
49	170.6	131.3	243.8
130	109.0	91.8	170.4
51	63.8	48.8	73.2

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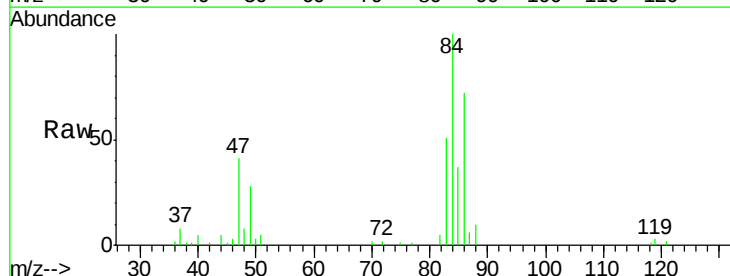


Abundance Ion 127.90 (127.60 to 128.60): VV015934.D (-975) (-)
Ion 49.10 (48.80 to 49.80): VV015934.D (-975) (-)
Ion 129.95 (129.65 to 130.65): VV015934.D (-975) (-)
Ion 51.05 (50.75 to 51.75): VV015934.D (-975) (-)

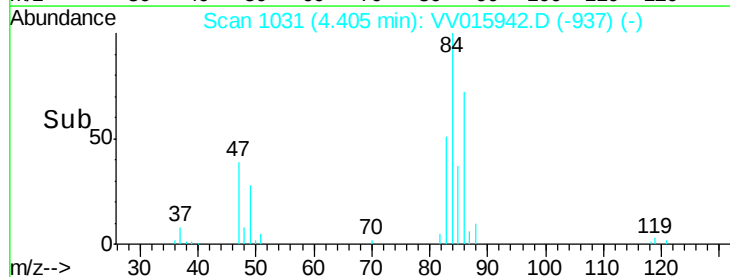
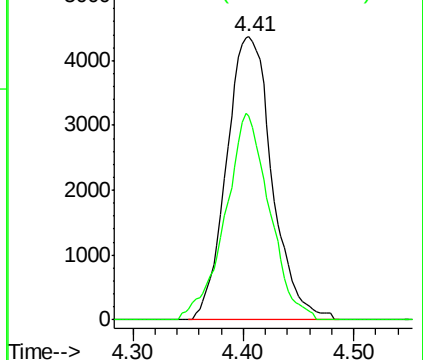


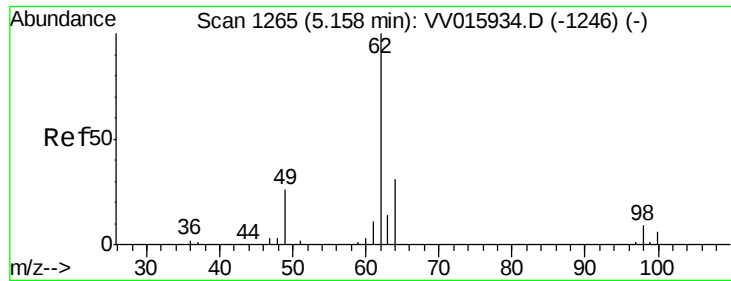
#25
Chloroform
Concen: 0.647 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Tgt Ion:	83	Resp:	12518
Ion	Ratio	Lower	Upper
83	100		
85	71.9	45.7	84.9



Abundance Ion 83.05 (82.75 to 83.75): VV015934.D (-1010) (-)
Ion 85.00 (84.70 to 85.70): VV015934.D (-1010) (-)





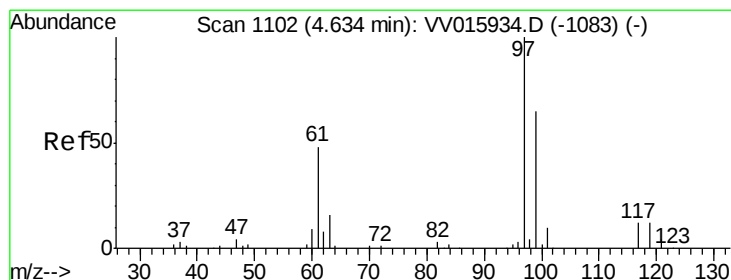
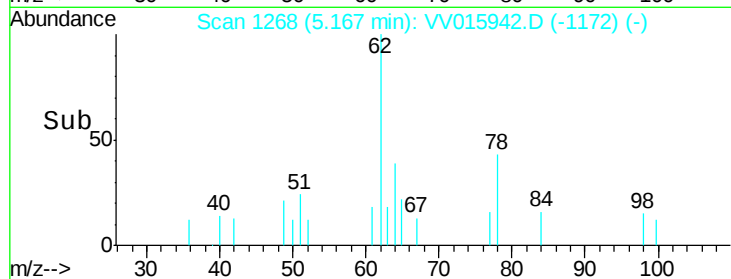
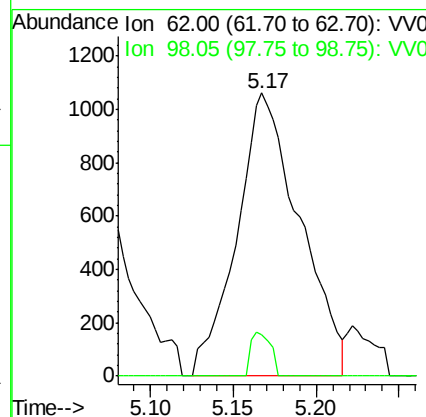
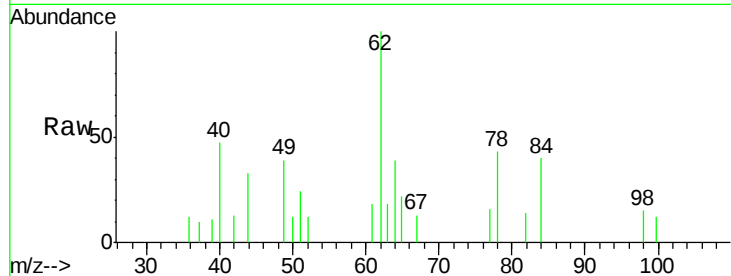
#27
 1,2-Dichloroethane
 Concen: 0.236 ug/L
 RT: 5.17 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 62 Resp: 2800
 Ion Ratio Lower Upper
 62 100
 98 14.5 6.7 10.1#

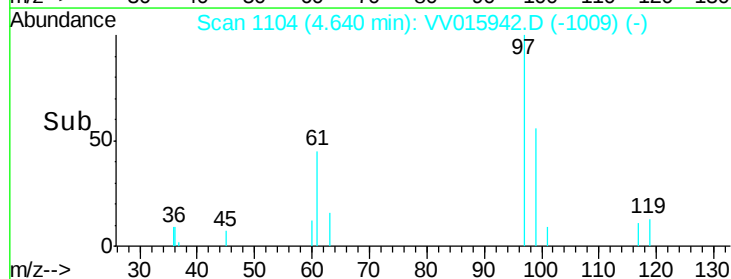
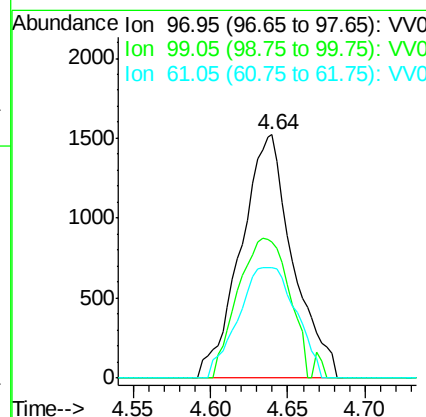
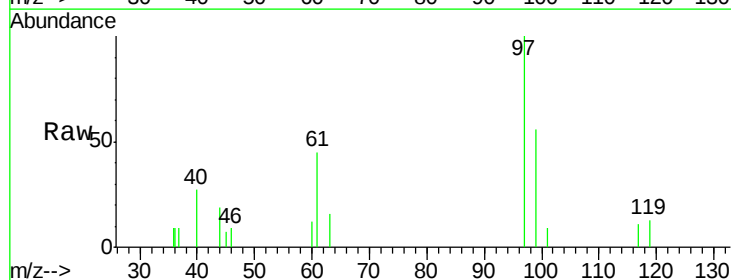
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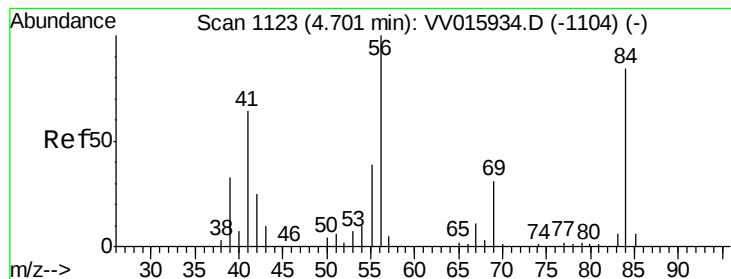
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#29
 1,1,1-Trichloroethane
 Concen: 0.220 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Tgt Ion: 97 Resp: 3561
 Ion Ratio Lower Upper
 97 100
 99 56.5 50.7 76.1
 61 50.1 38.8 58.2





#30

Cyclohexane

Concen: 0.212 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

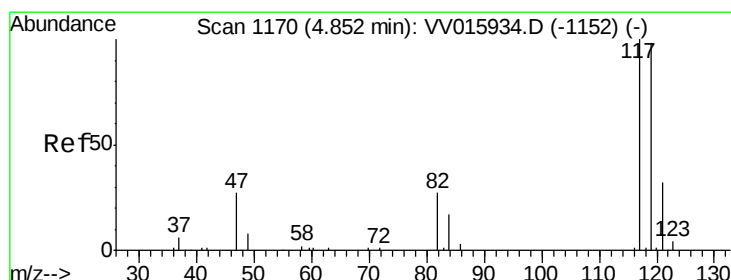
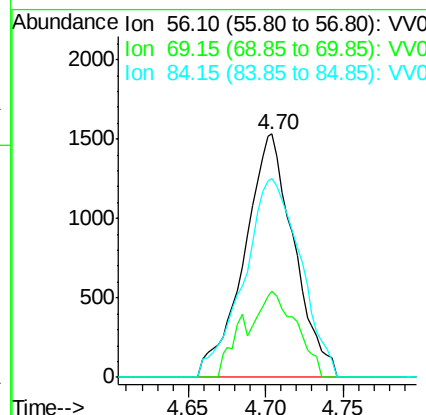
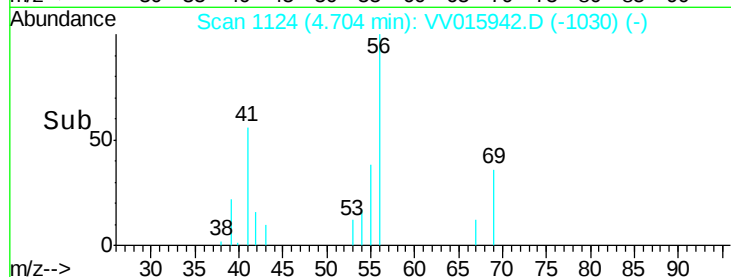
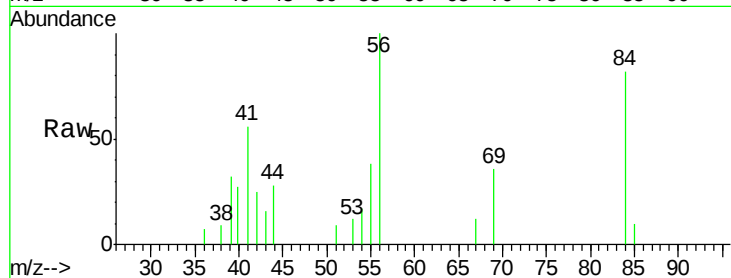
ClientSampled :

MDL04

Tot Ion:	56	Resp:	3426
Ion	Ratio	Lower	Upper
56	100		
69	28.0	24.2	36.2
84	92.8	68.3	102.5

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#31

Carbon tetrachloride

Concen: 0.230 ug/L

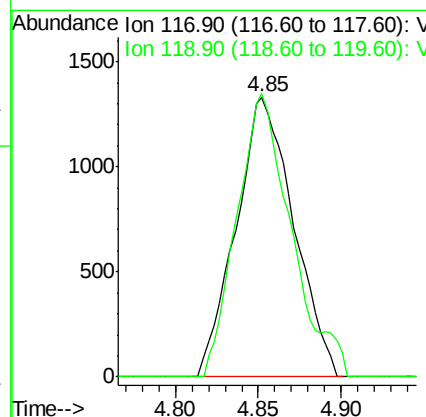
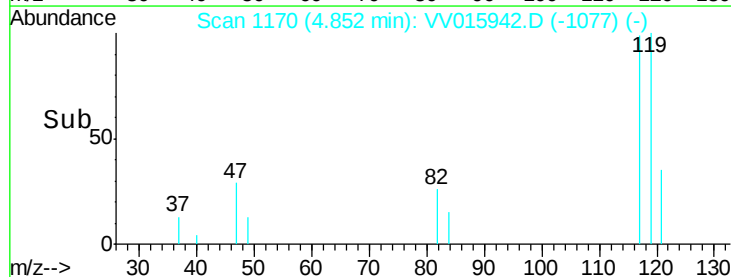
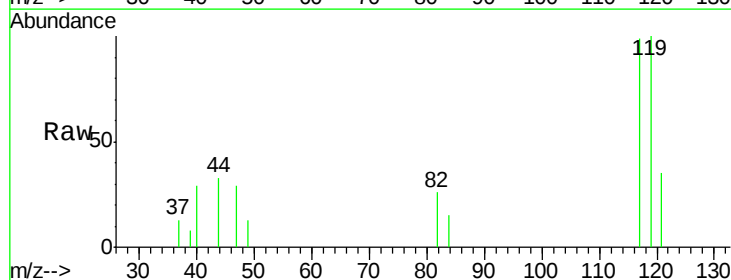
RT: 4.85 min Scan# 1170

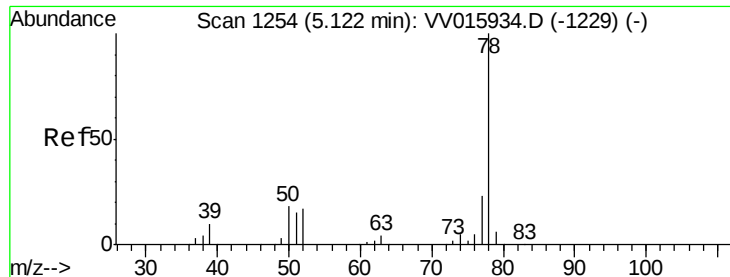
Delta R.T. -0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Tgt Ion:	117	Resp:	3213
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.3	115.9





#33

Benzene

Concen: 0.249 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

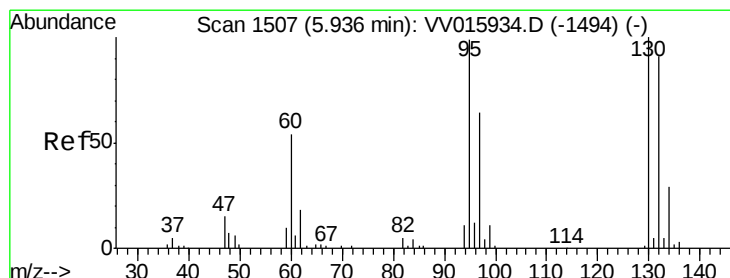
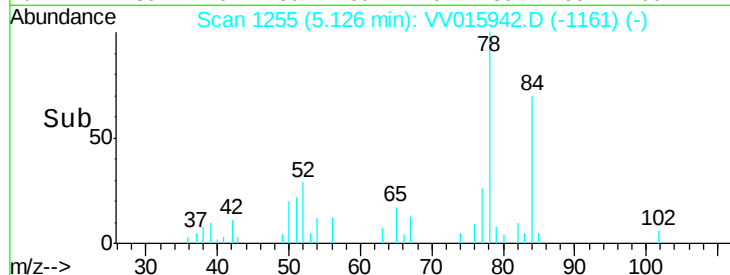
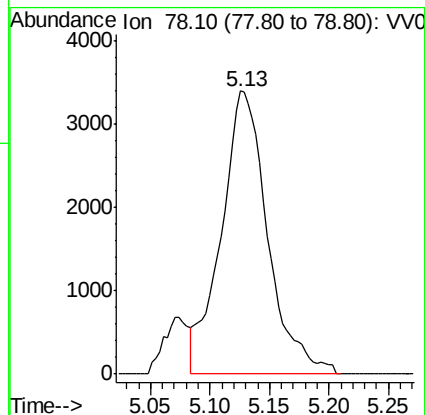
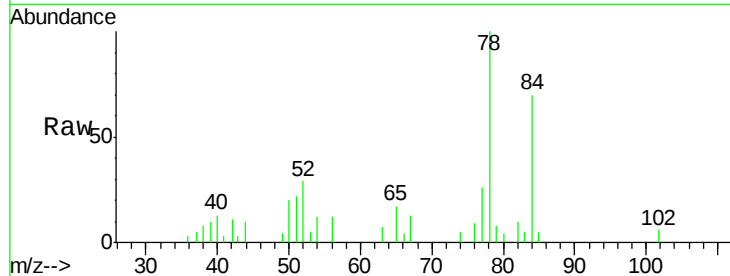
ClientSampleId :

MDL04

Tgt Ion: 78 Resp: 9168

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#34

Trichloroethene

Concen: 0.226 ug/L

RT: 5.95 min Scan# 1510

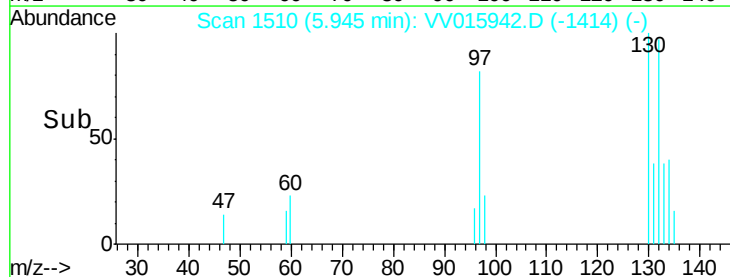
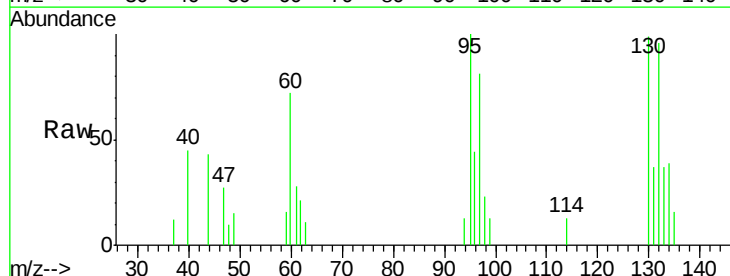
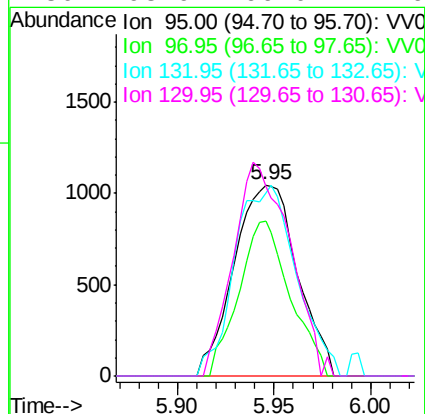
Delta R.T. 0.01 min

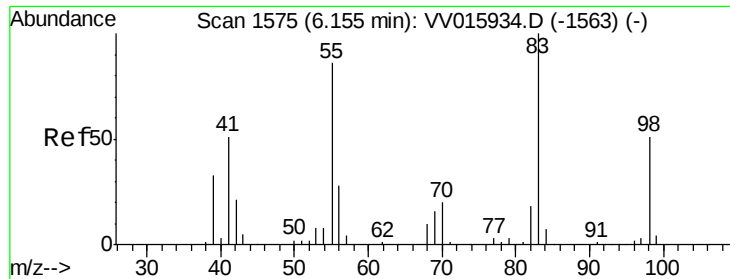
Lab File: VV015942.D

Acq: 07 May 2020 15:57

Tgt Ion: 95 Resp: 2376

Ion	Ratio	Lower	Upper
95	100		
97	81.3	43.3	80.5#
132	95.9	60.3	112.1
130	98.9	66.0	122.6





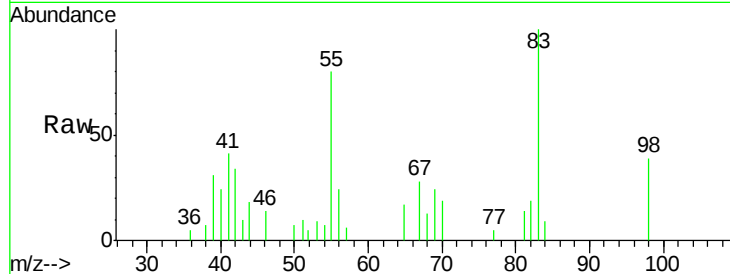
#35
Methvlcvclohexane
Concen: 0.241 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	66.2	99.2
98	46.5	37.9	56.9

Manual Integrations
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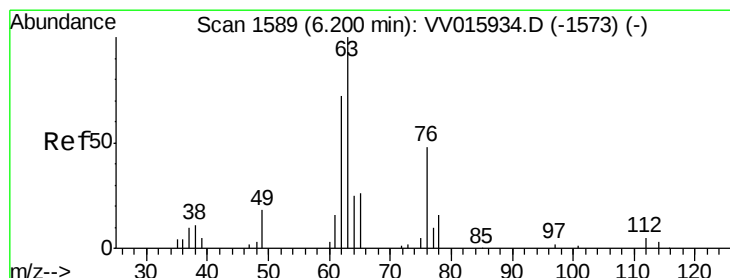
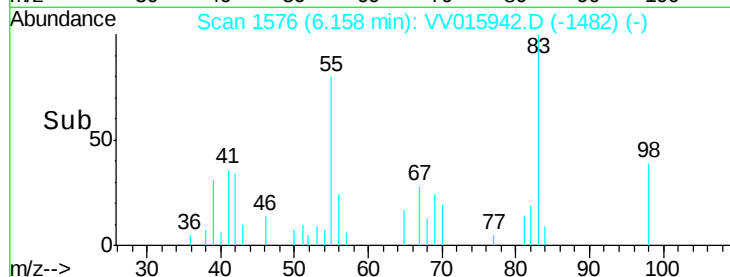
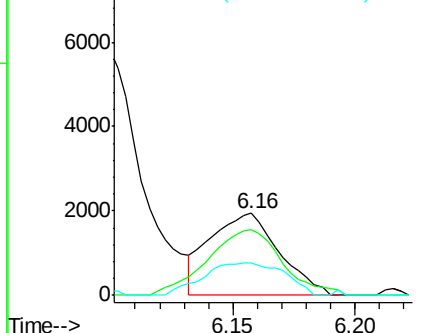
apatel
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Abundance Ion 83.15 (82.85 to 83.85): VV015934.D (-1563) (-)

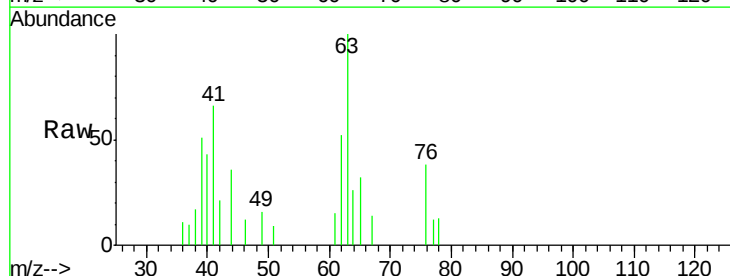
Ion 55.10 (54.80 to 55.80): VV015934.D (-1563) (-)

Ion 98.15 (97.85 to 98.85): VV015934.D (-1563) (-)



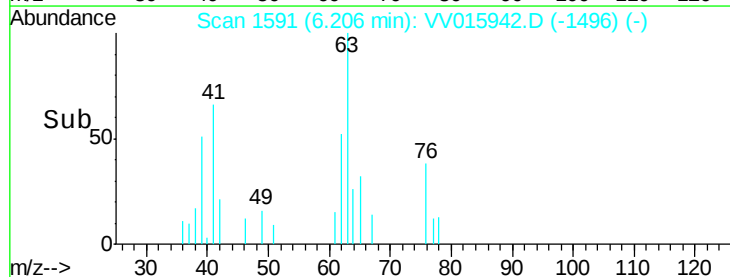
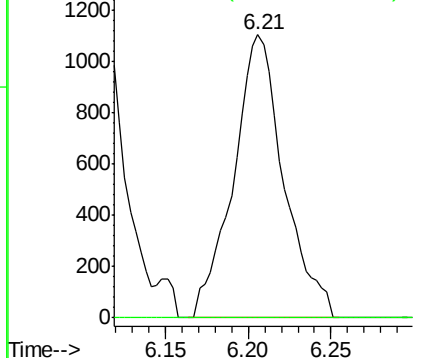
#37
1,2-Dichloropropane
Concen: 0.249 ug/L
RT: 6.21 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

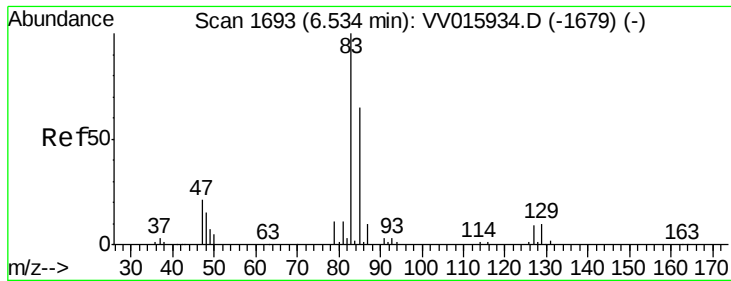
Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.4	5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV015934.D (-1573) (-)

Ion 112.10 (111.80 to 112.80): VV015934.D (-1573) (-)





#38

Bromodichloromethane

Concen: 0.221 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

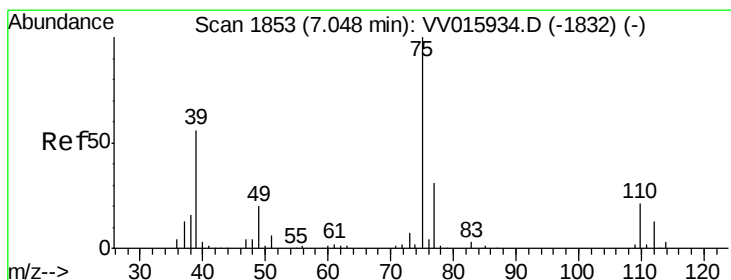
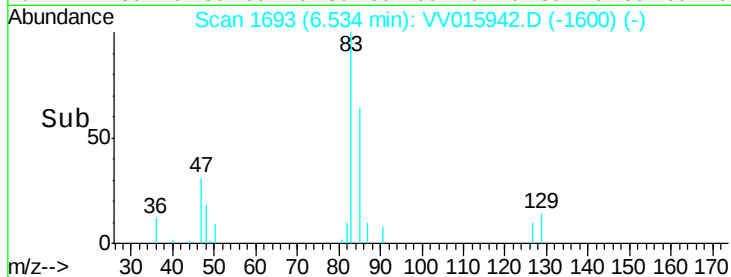
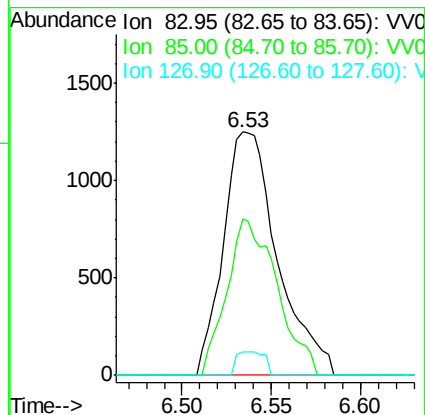
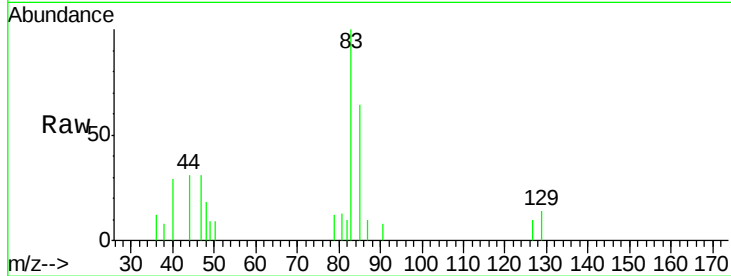
ClientSampled :

MDL04

Tot Ion:	83	Resp:	2632
Ion	Ratio	Lower	Upper
83	100		
85	64.5	45.5	84.5
127	9.5	6.2	9.4#

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#39

cis-1,3-Dichloropropene

Concen: 0.206 ug/L

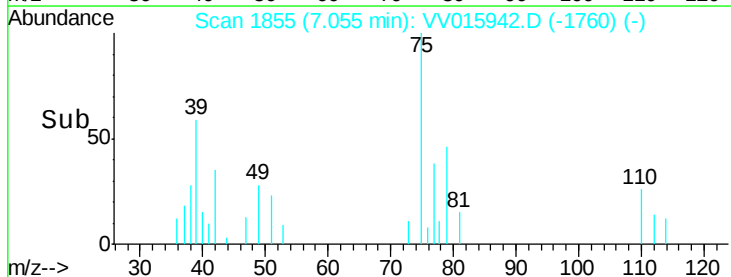
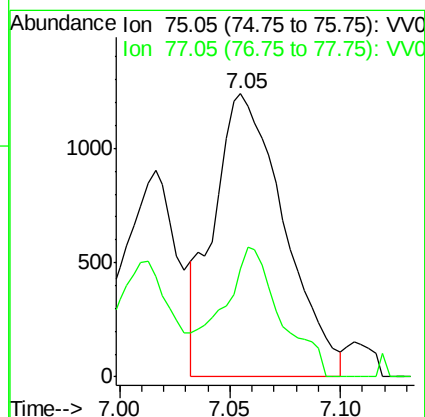
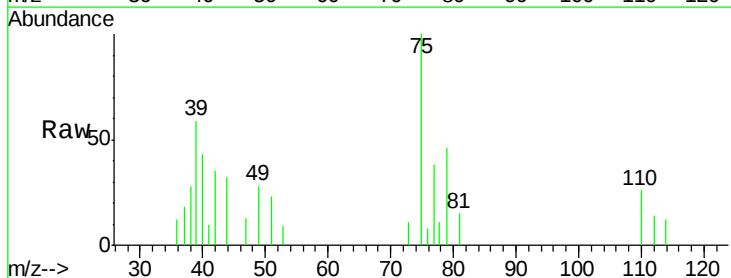
RT: 7.05 min Scan# 1855

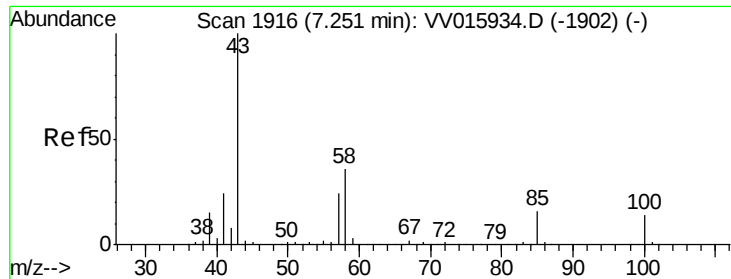
Delta R.T. 0.01 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Tgt Ion:	75	Resp:	2726
Ion	Ratio	Lower	Upper
75	100		
77	38.3	21.3	39.5





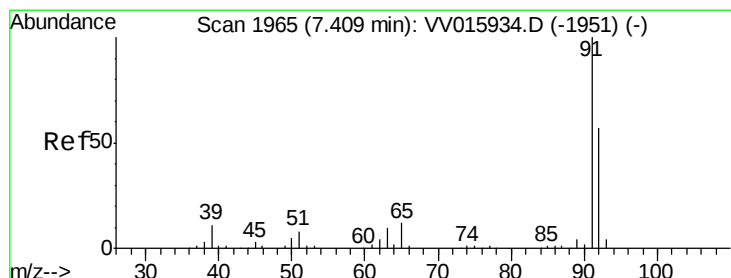
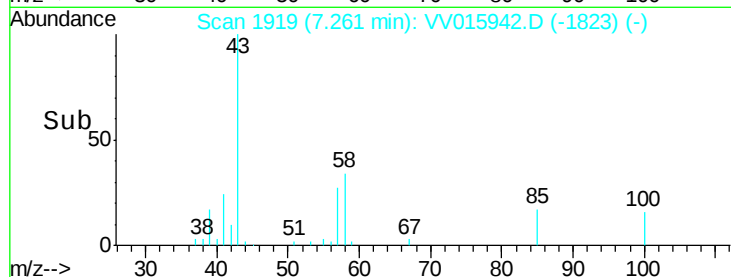
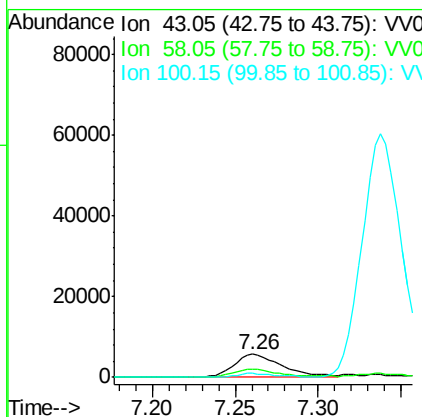
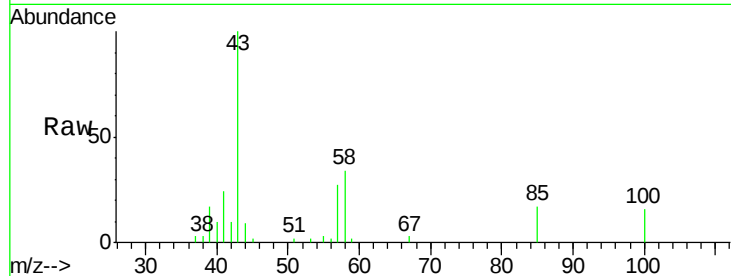
#40
4-Methyl-2-pentanone
Concen: 2.010 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	29.0	43.4
100	0.0	10.9	16.3

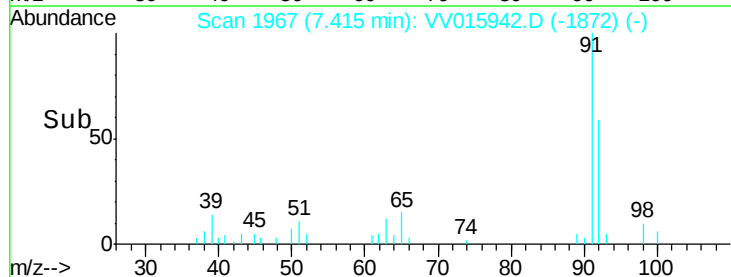
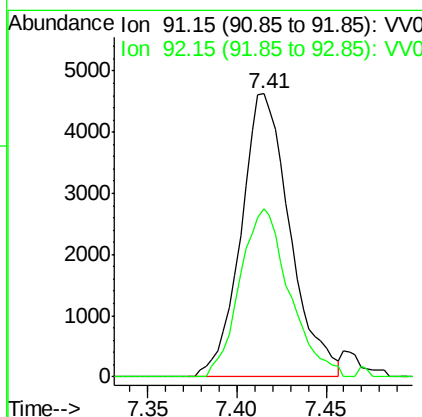
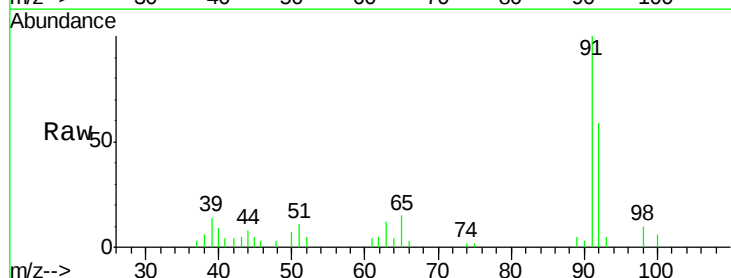
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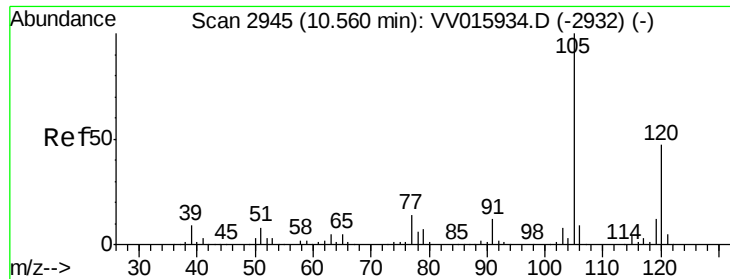
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#42
Toluene
Concen: 0.227 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.3	40.1	74.5





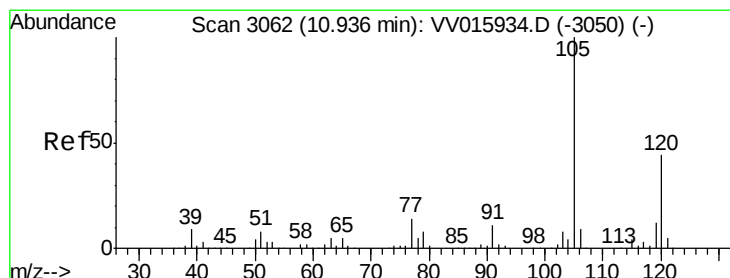
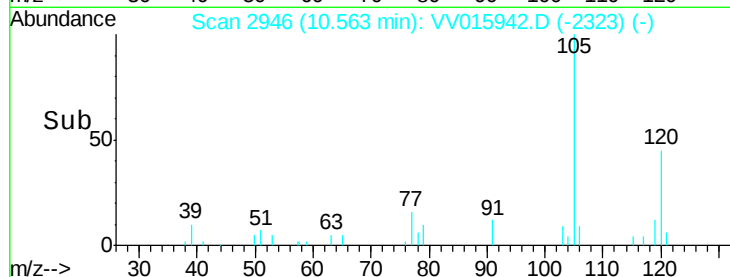
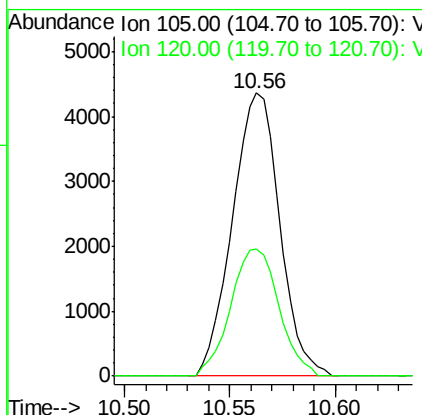
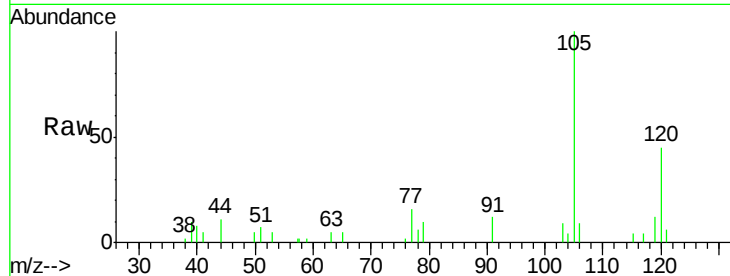
#43
 1,3,5-Trimethylbenzene
 Concen: 0.189 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion:105 Resp: 6792
 Ion Ratio Lower Upper
 105 100
 120 45.9 0.0 0.0#

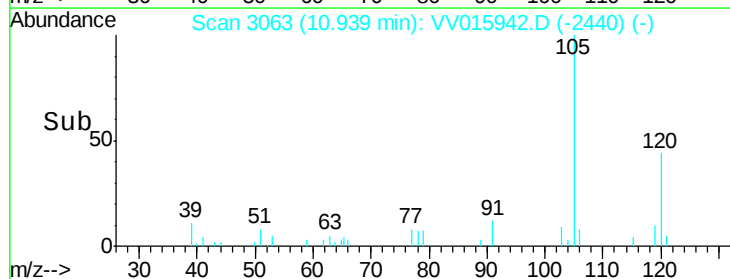
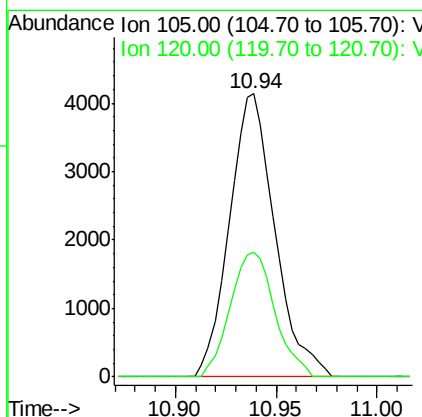
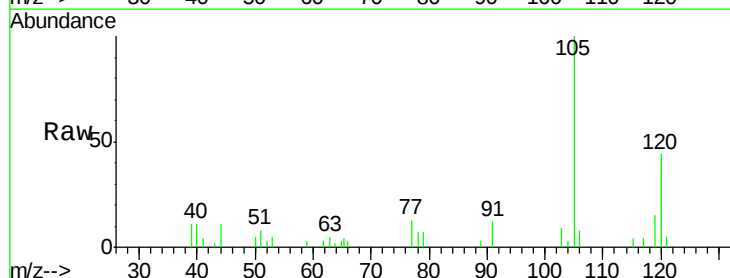
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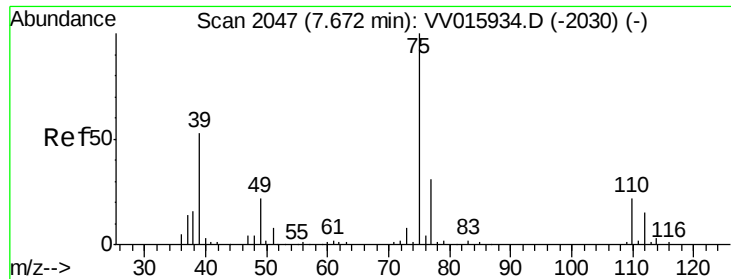
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#44
 1,2,4-Trimethylbenzene
 Concen: 0.181 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Tgt Ion:105 Resp: 6505
 Ion Ratio Lower Upper
 105 100
 120 43.3 0.0 0.0#





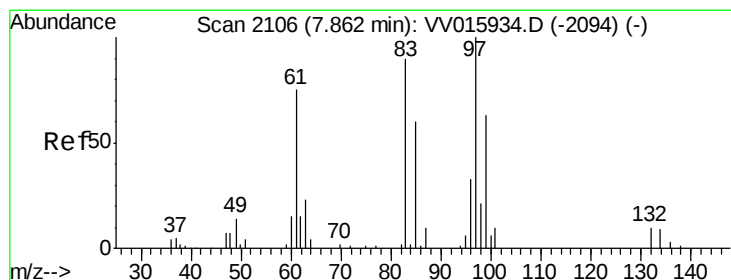
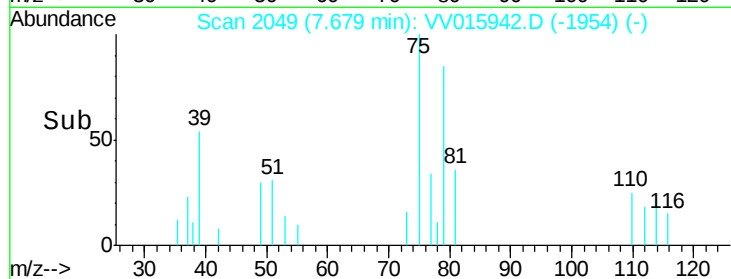
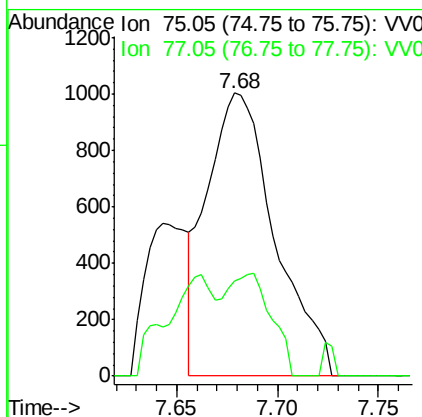
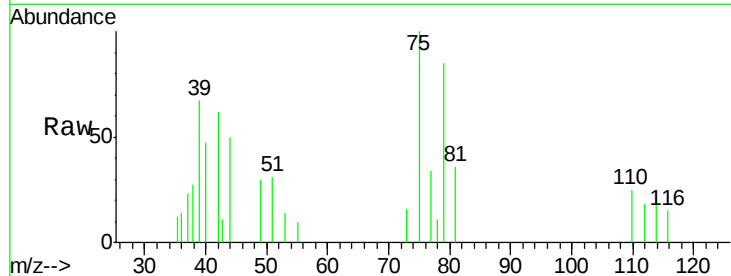
#46
trans-1,3-Dichloropropene
Concen: 0.210 ug/L
RT: 7.68 min Scan# 2049
Delta R.T. 0.01 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 75 Resp: 2354
Ion Ratio Lower Upper
75 100
77 33.6 21.3 39.6

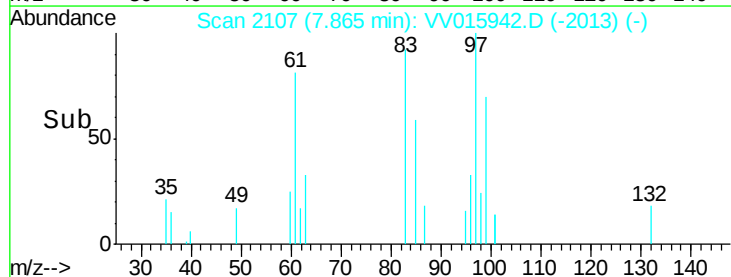
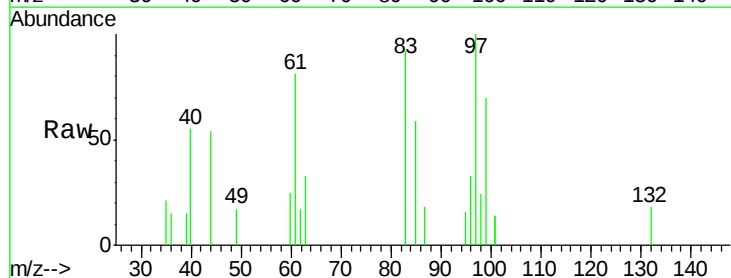
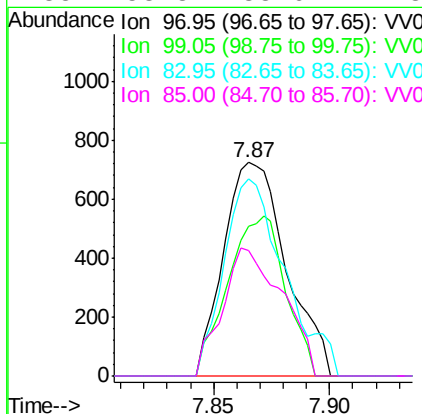
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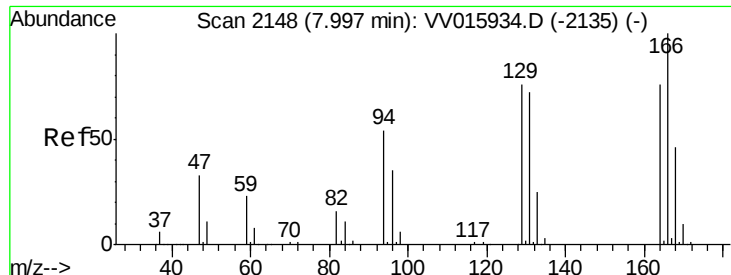
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#47
1,1,2-Trichloroethane
Concen: 0.218 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Tgt Ion: 97 Resp: 1364
Ion Ratio Lower Upper
97 100
99 69.9 42.1 78.1
83 92.1 59.2 110.0
85 58.8 38.6 71.8





#49

Tetrachloroethene

Concen: 0.244 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015942.D

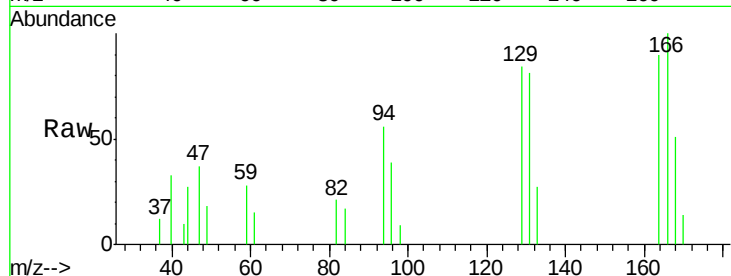
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion:	164	Resp:	1794
Ion	Ratio	Lower	Upper
164	100		
129	92.5	69.7	129.4
131	89.5	66.8	124.2
166	110.5	89.1	165.5

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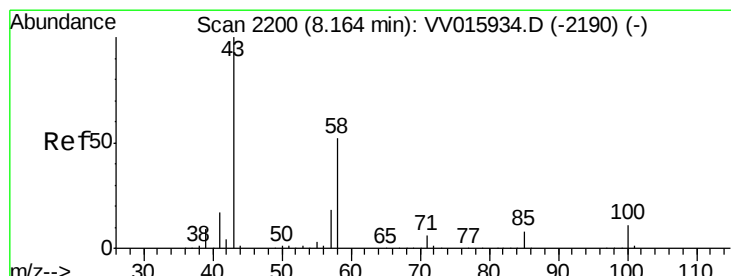
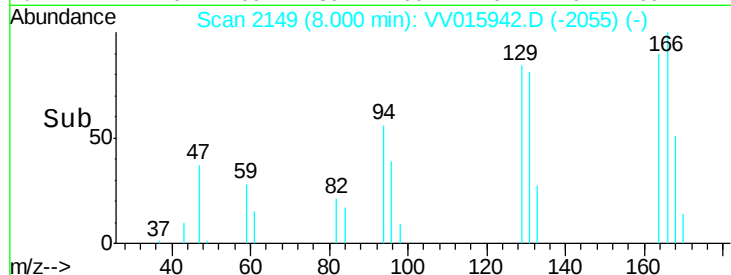
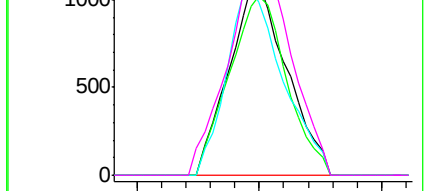


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.766 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

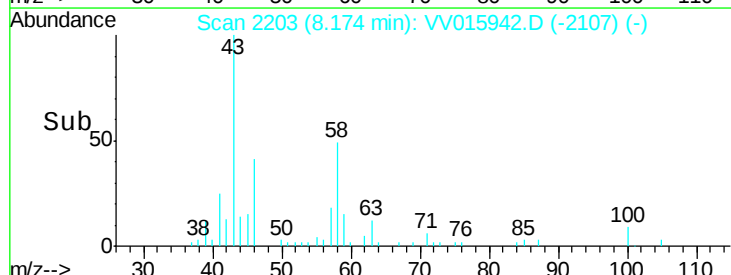
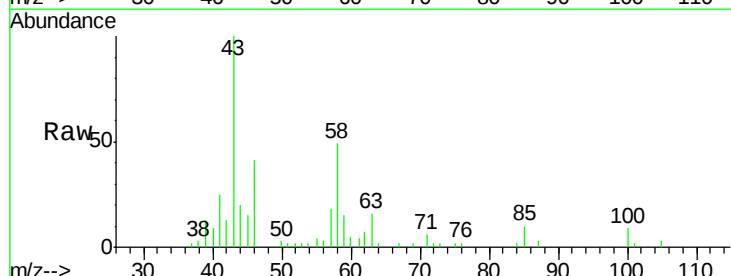
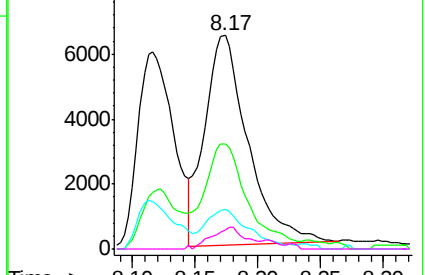
Tgt Ion:	43	Resp:	15551
Ion	Ratio	Lower	Upper
43	100		
58	44.4	40.8	61.2
57	16.6	14.7	22.1
100	7.9	9.0	13.6#

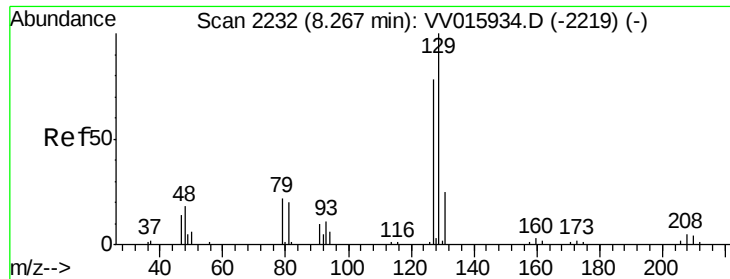
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





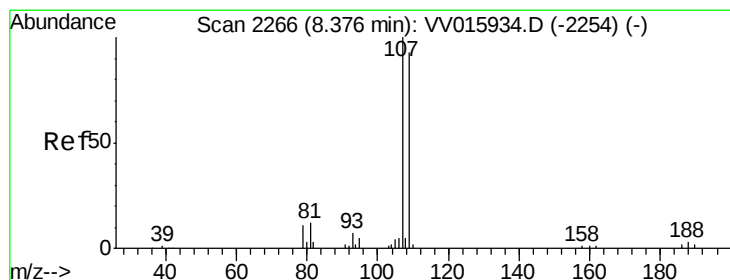
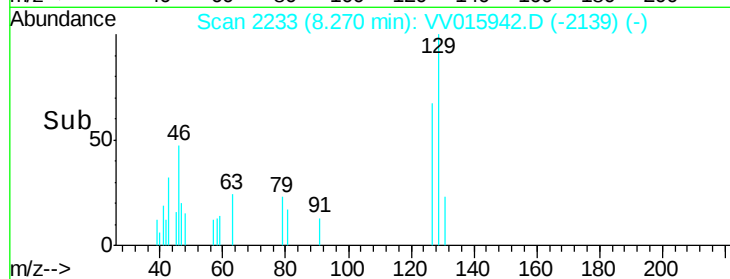
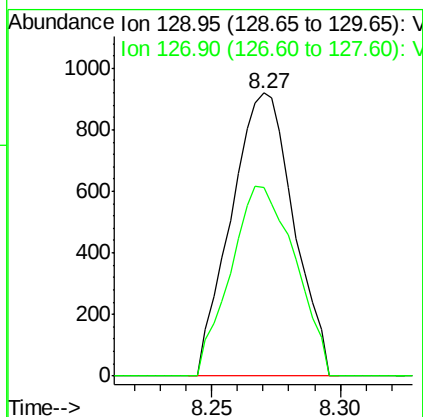
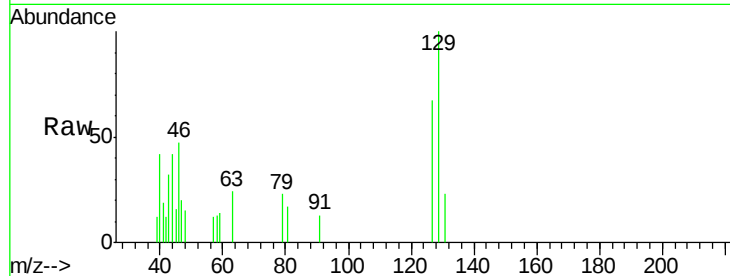
#51
Dibromochloromethane
Concen: 0.221 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
129	100		
127	66.7	56.0	104.0

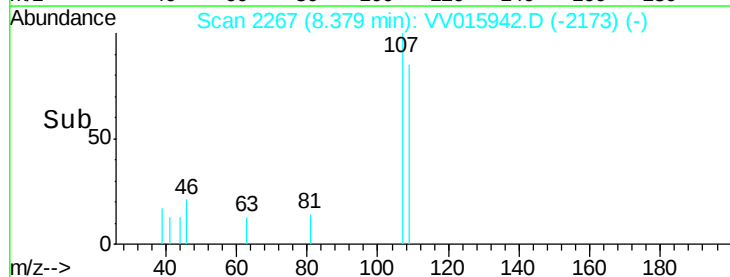
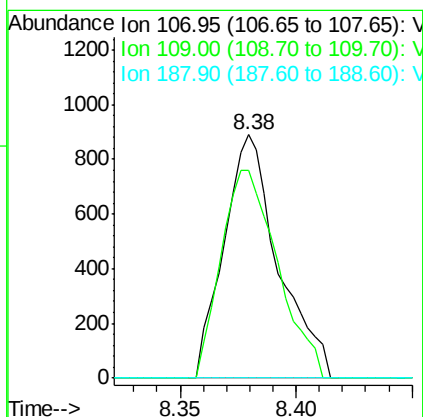
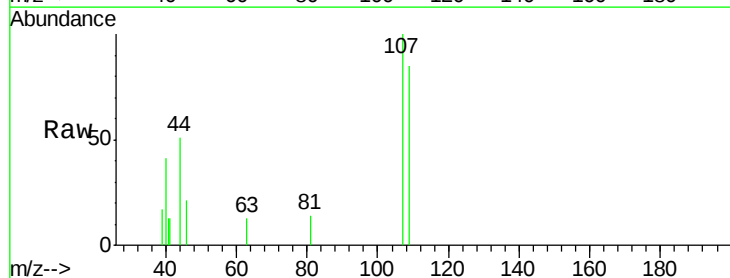
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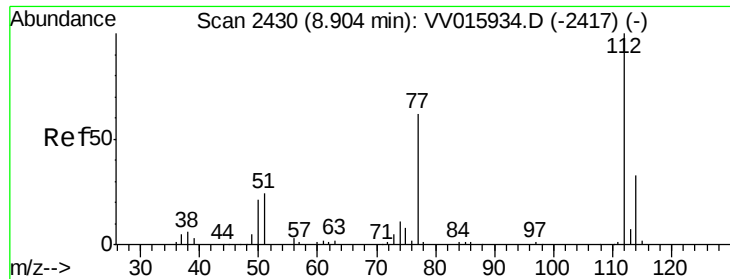
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#52
1,2-Dibromoethane
Concen: 0.249 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Tgt Ion	Ratio	Lower	Upper
107	100		
109	85.3	68.9	127.9
188	0.0	2.7	4.1#





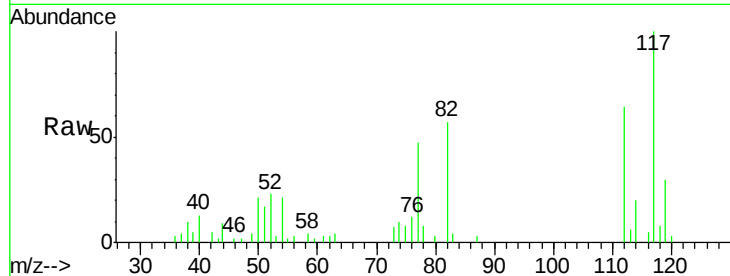
#53
Chlorobenzene
Concen: 0.221 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

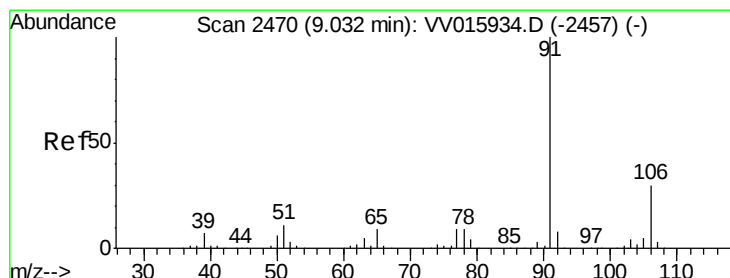
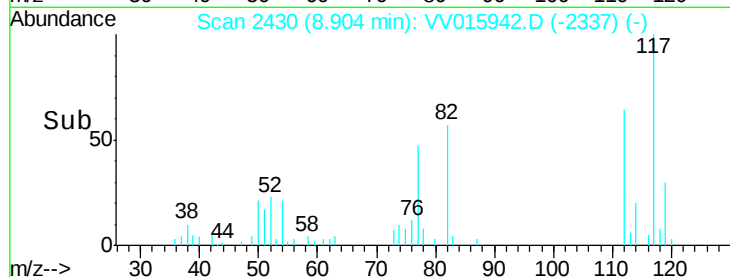
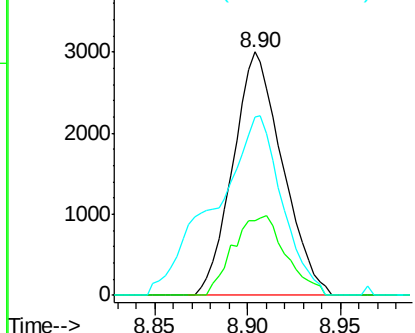
Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	21.6	40.0
77	73.4	48.6	73.0

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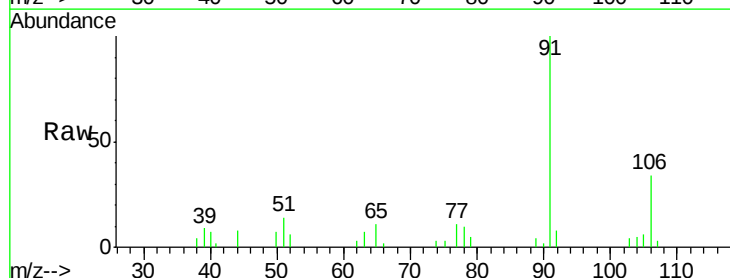


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

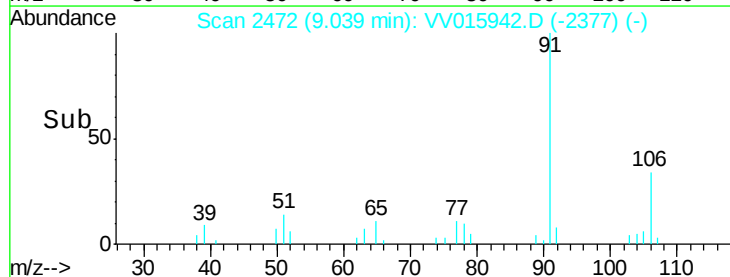
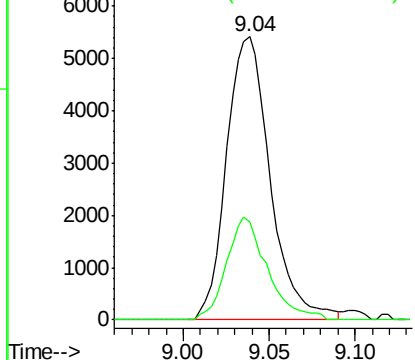


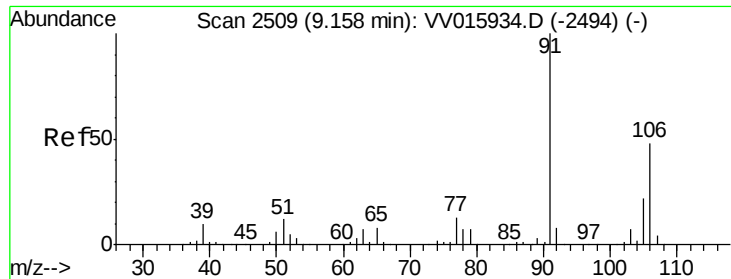
#54
Ethylbenzene
Concen: 0.215 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV015942.D
Acq: 07 May 2020 15:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.5	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: 0.208 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion:106 Resp: 3424

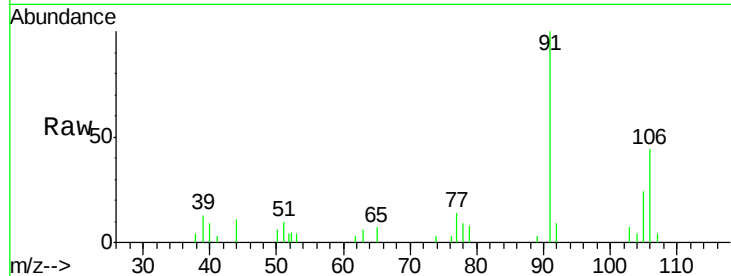
Ion Ratio Lower Upper

106 100

91 226.8 149.9 278.3

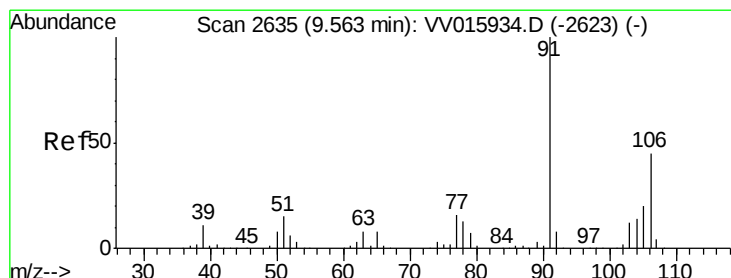
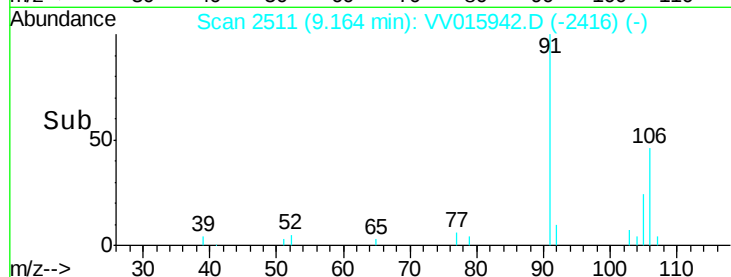
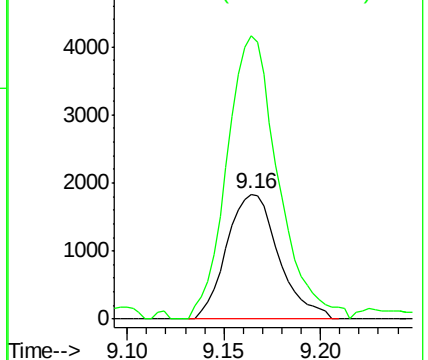
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.214 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.01 min

Lab File: VV015942.D

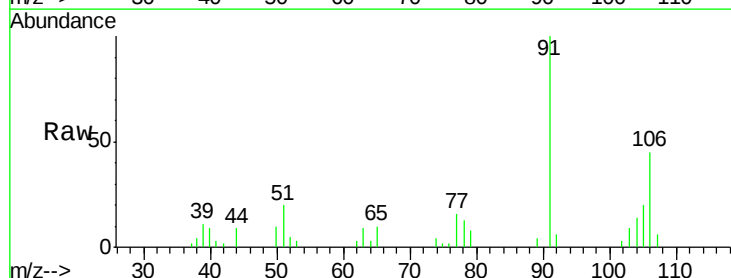
Acq: 07 May 2020 15:57

Tgt Ion:106 Resp: 3369

Ion Ratio Lower Upper

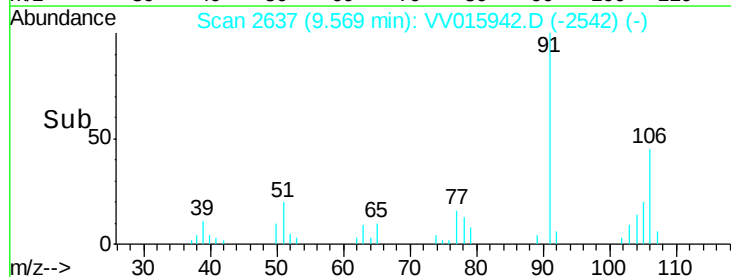
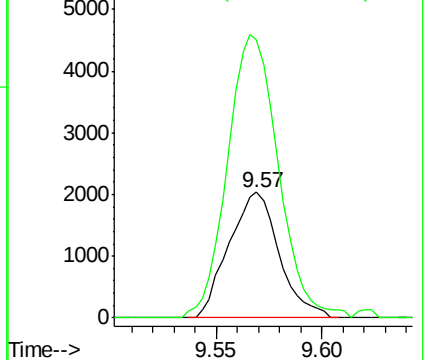
106 100

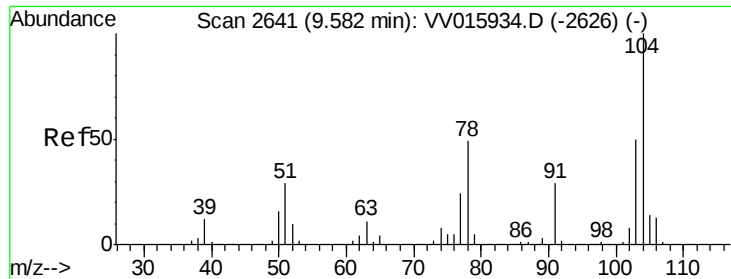
91 221.2 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 0.183 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion:104 Resp: 4815

Ion Ratio Lower Upper

104 100

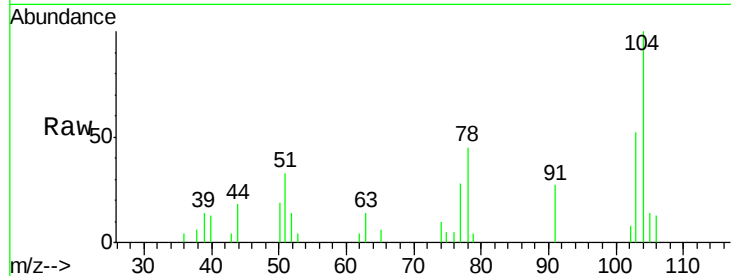
78 44.8 33.9 63.0

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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

9.59

3000

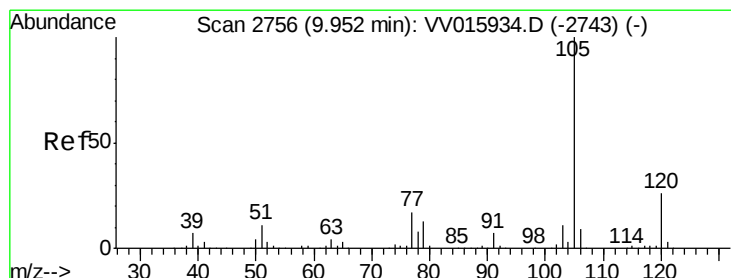
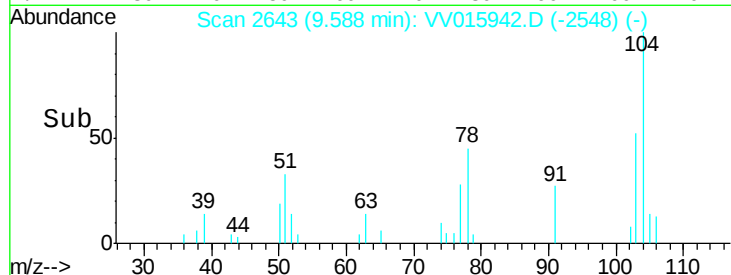
2000

1000

0

9.55 9.60 9.65

Time-->



#58

Isopropylbenzene

Concen: 0.204 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

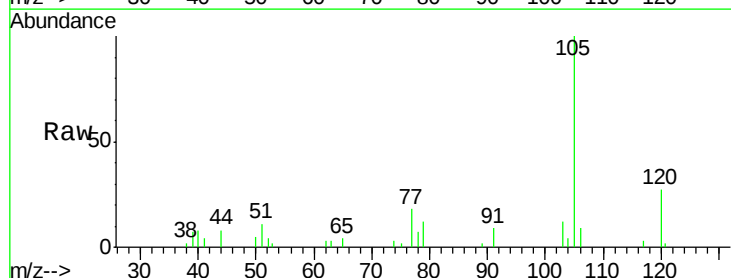
Tgt Ion:105 Resp: 8832

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

77 19.7 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

9.95

6000

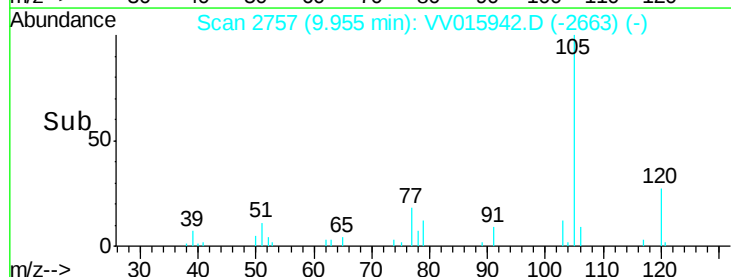
4000

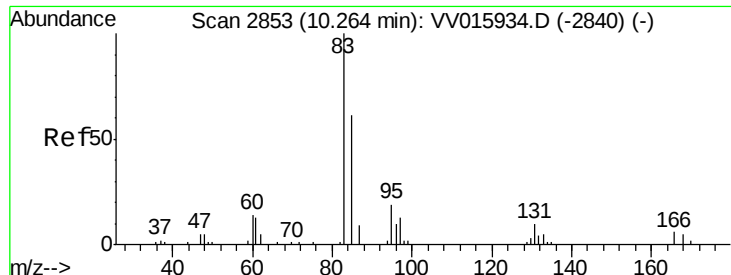
2000

0

9.90 9.95 10.00

Time-->





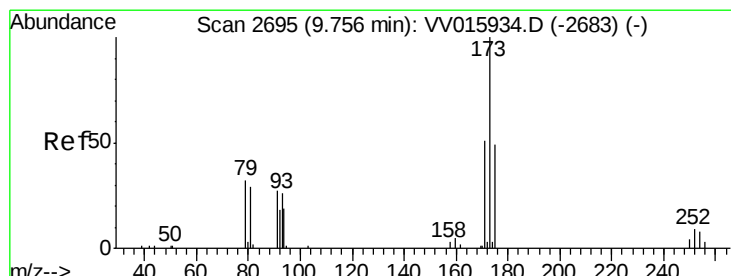
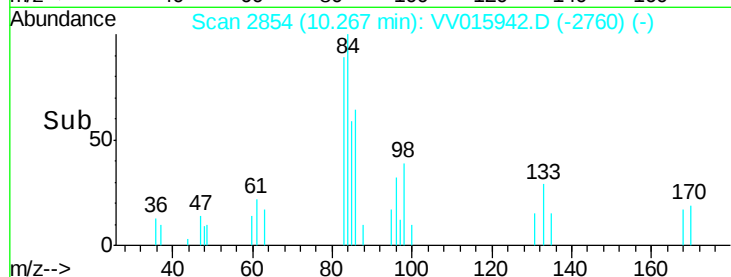
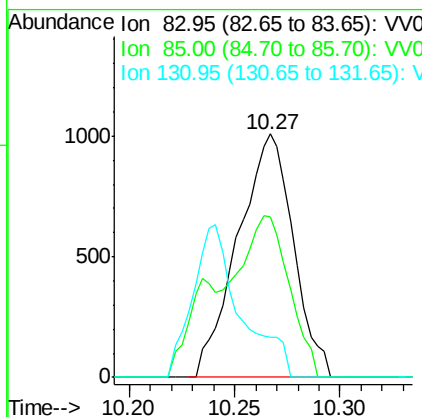
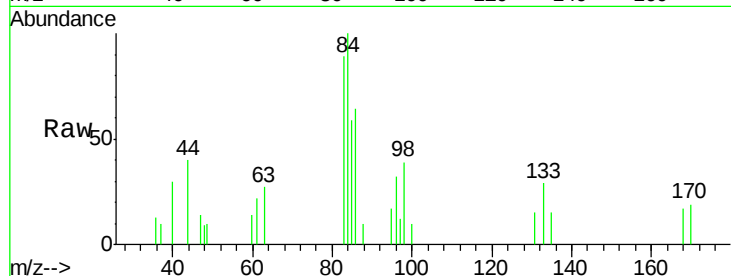
#60
 1,1,2,2-Tetrachloroethane
 Concen: 0.276 ug/L
 RT: 10.27 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	83	Resp	1844
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	44.0	81.6
131	16.7	7.7	11.5#

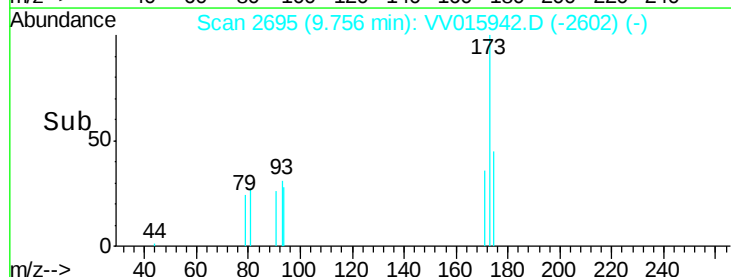
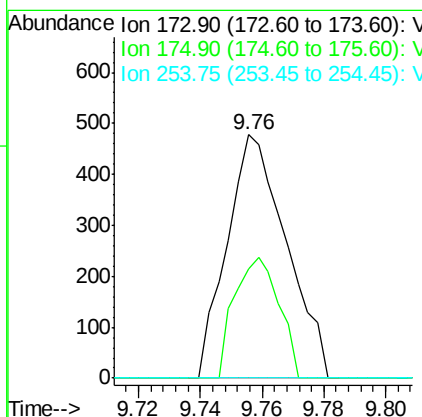
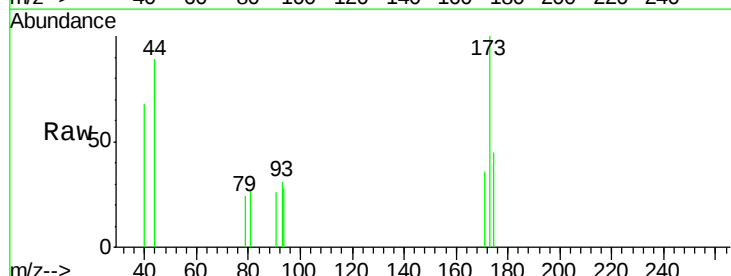
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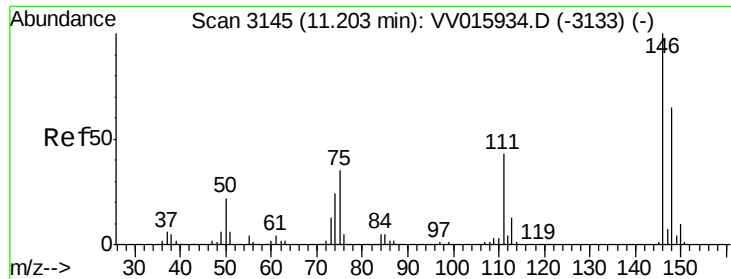
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#62
 Bromoform
 Concen: 0.198 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. -0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Tgt Ion	173	Resp	636
Ion Ratio	100	Lower	Upper
173	100		
175	37.1	39.8	59.8#
254	0.0	7.1	10.7#





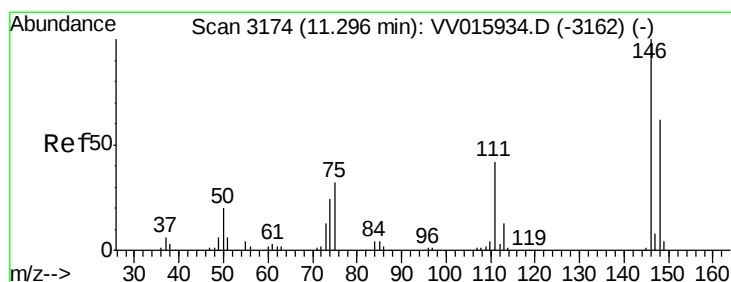
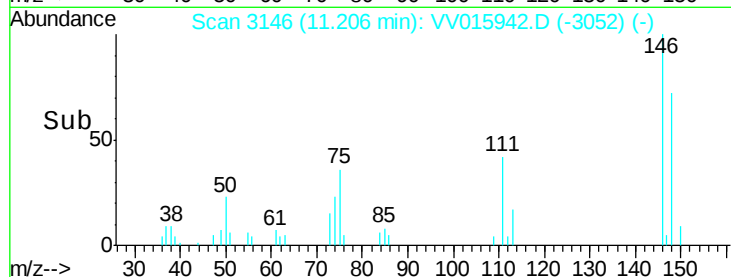
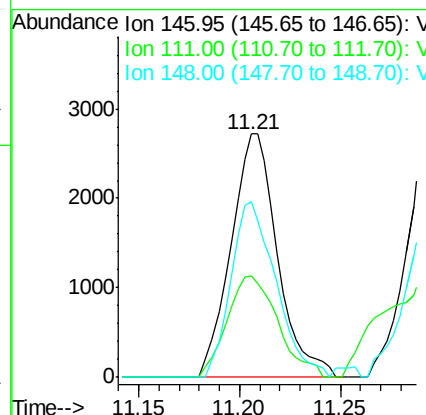
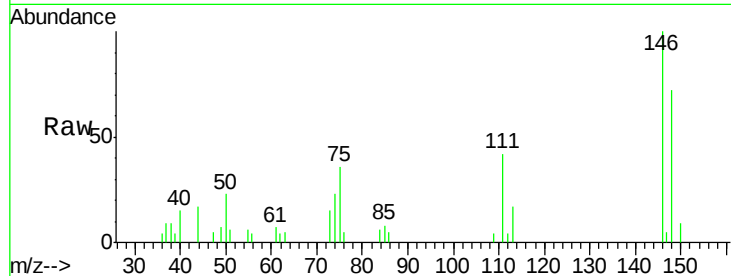
#63
 1,3-Dichlorobenzene
 Concen: 0.231 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	28.7	53.3
148	72.1	44.0	81.8

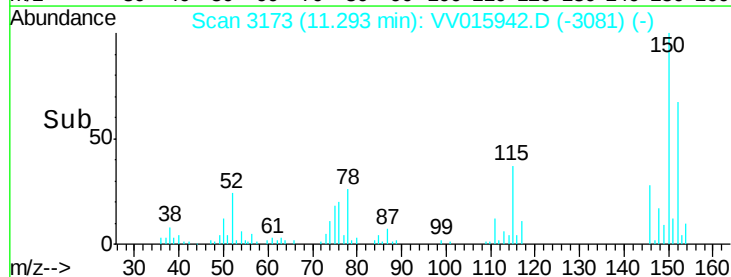
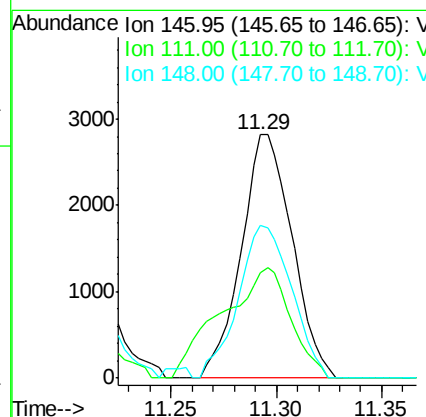
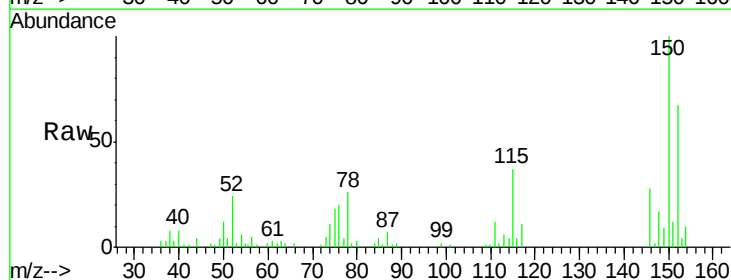
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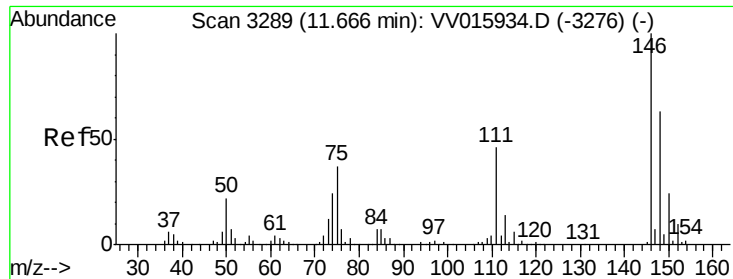
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#64
 1,4-Dichlorobenzene
 Concen: 0.250 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	28.9	53.7
148	62.5	44.6	82.8





#66

1,2-Dichlorobenzene

Concen: 0.243 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Instrument :

MSVOA_V

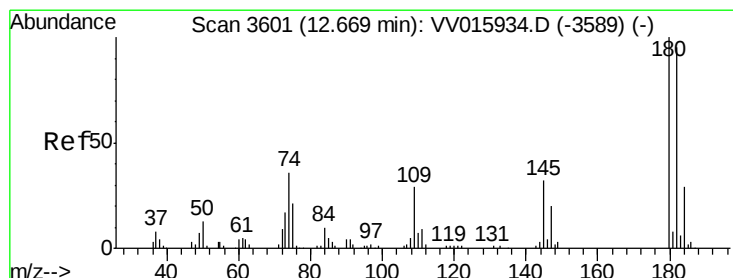
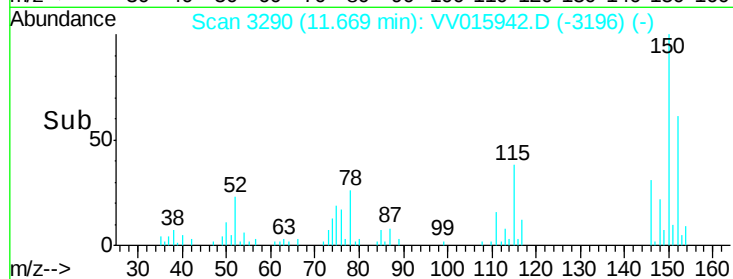
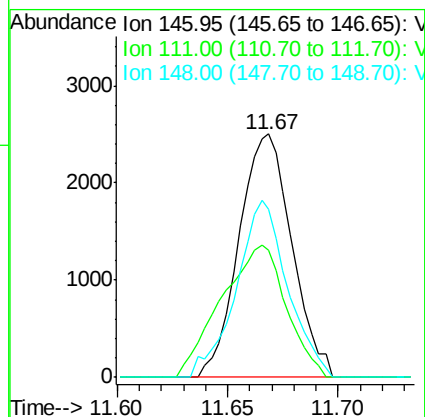
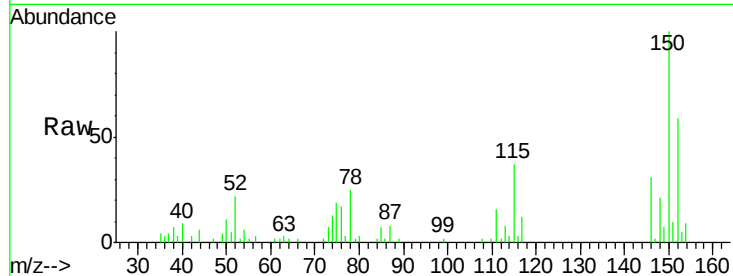
ClientSampled :

MDL04

Tot Ion:	146	Resp:	4156
Ion	Ratio	Lower	Upper
146	100		
111	52.5	37.0	55.4
148	68.9	49.8	74.6

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#68

1,3,5-Trichlorobenzene

Concen: 0.238 ug/L

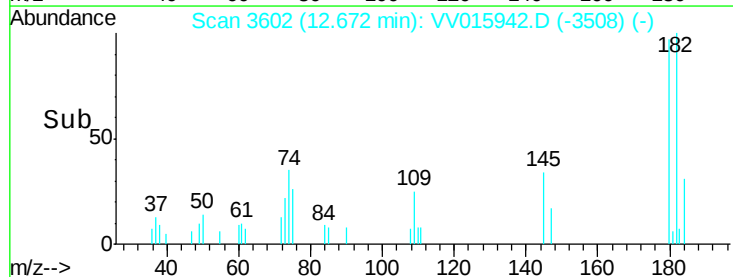
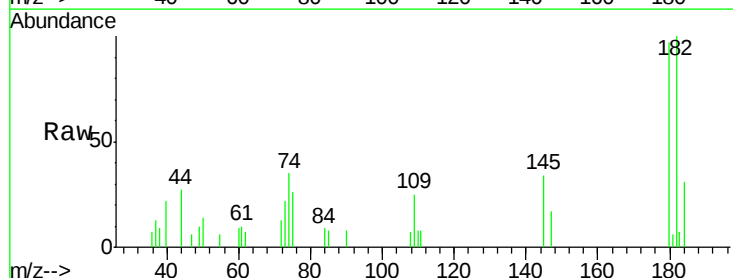
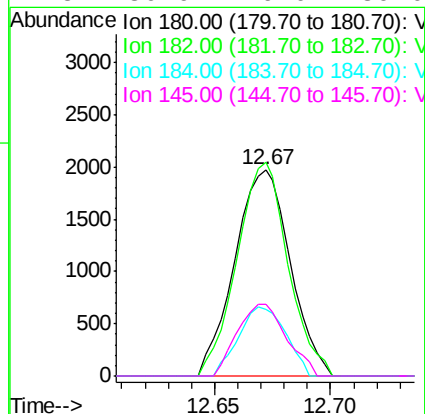
RT: 12.67 min Scan# 3602

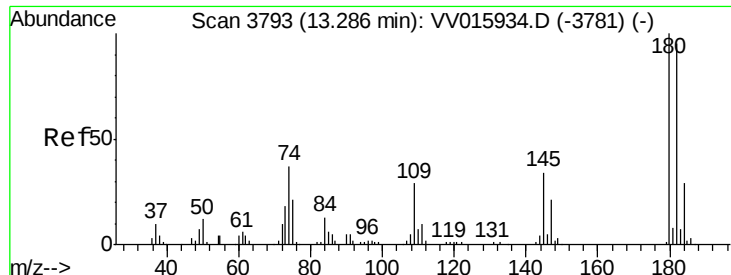
Delta R.T. 0.00 min

Lab File: VV015942.D

Acq: 07 May 2020 15:57

Tgt Ion:	180	Resp:	3281
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.6
184	28.5	24.6	36.8
145	30.9	26.0	39.0





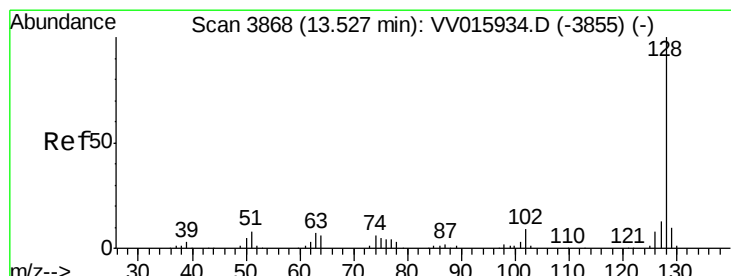
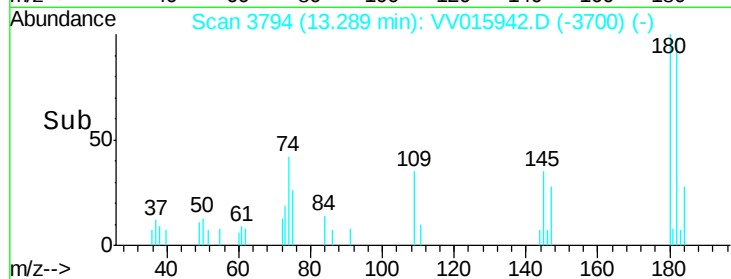
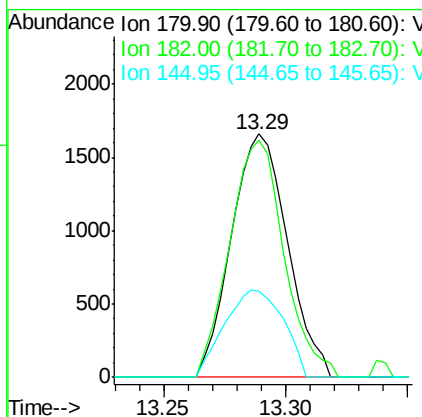
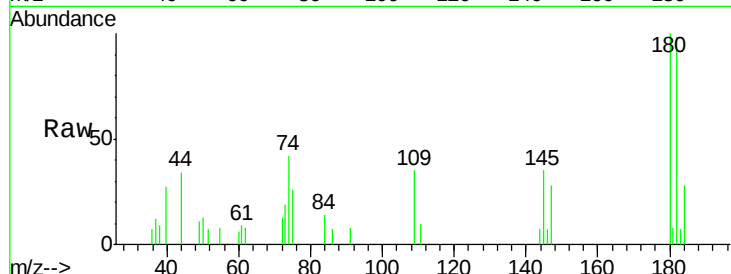
#69
 1,2,4-trichlorobenzene
 Concen: 0.223 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.7	115.1
145	37.6	26.4	39.6

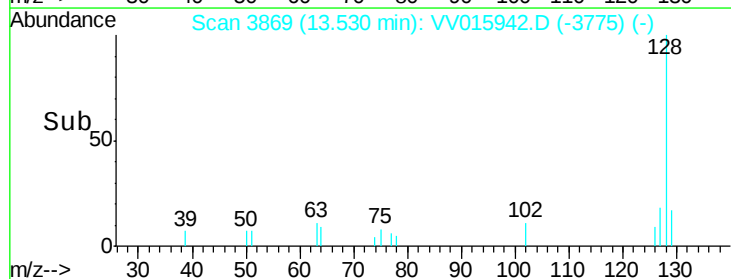
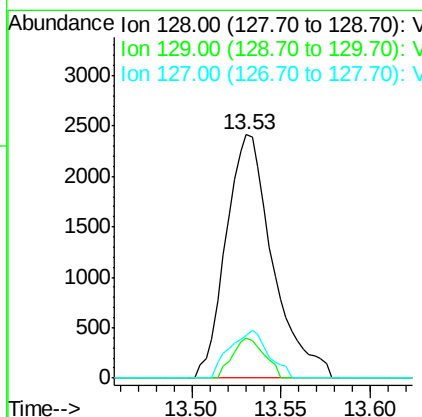
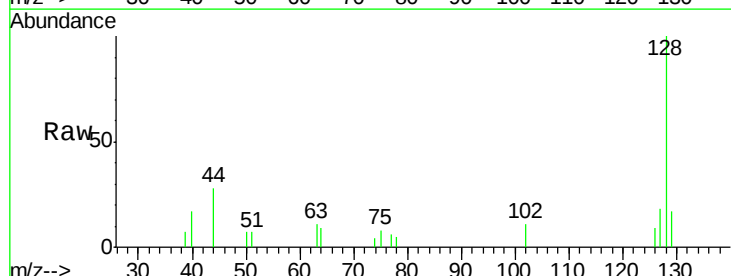
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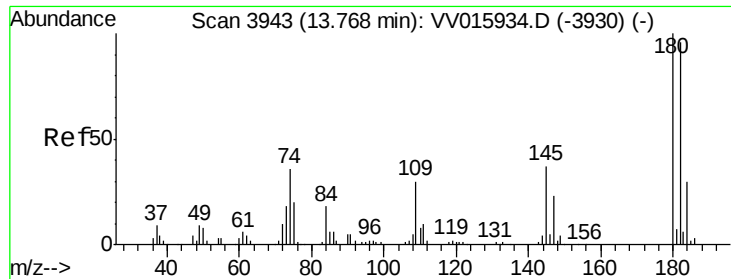
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#70
 Naphthalene
 Concen: 0.232 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.5	12.7
127	16.2	10.2	15.2





#71
 1,2,3-Trichlorobenzene
 Concen: 0.202 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015942.D
 Acq: 07 May 2020 15:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	180	Resp:	2118
Ion Ratio	Lower	Upper	
180	100		
182	109.7	77.0	115.6
145	35.3	28.3	42.5

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