

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050720\
 Data File : VV015943.D
 Acq On : 07 May 2020 16:43
 Operator : SY/MD
 Sample : MDL05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

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 5/8/2020 12:58:21 PM

Quant Time: May 08 05:59:56 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	154446	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	149815	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71944	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39237	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.58	69	37570	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.12	63	64756	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	3.97	46	118896	49.75	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.50%
24) Chloroform-d	4.38	84	85357	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.06	65	52072	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.07	84	174761	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.09	67	56913	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.34	98	160059	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
45) trans-1,3-Dichloropropene-	7.65	79	19937	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
48) 2-Hexanone-d5	8.12	63	89915	47.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38951	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	57466	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2771	0.234 ug/L	94
3) Chloromethane	1.24	50	3022	0.252 ug/L	94
5) Vinyl chloride	1.32	62	2742	0.239 ug/L #	67
6) Bromomethane	1.53	94	1663	0.256 ug/L	98
8) Chloroethane	1.59	64	1880	0.230 ug/L	86
9) Trichlorofluoromethane	1.76	101	3519	0.224 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2468	0.278 ug/L	93
12) 1,1-Dichloroethene	2.13	96	2551	0.300 ug/L #	1
13) Acetone	2.28	43	2512m	1.593 ug/L	
14) Carbon disulfide	2.31	76	6193	0.221 ug/L #	95
15) Methyl Acetate	2.48	43	919m	0.252 ug/L	
16) Methylene chloride	2.52	84	3076	0.302 ug/L	90
17) Methyl tert-butyl Ether	2.79	73	5092	0.231 ug/L #	84
18) trans-1,2-Dichloroethene	2.78	96	2199	0.234 ug/L	97
19) 1,1-Dichloroethane	3.21	63	3735	0.206 ug/L #	85
21) 2-Butanone	4.06	43	4534m	1.888 ug/L	
22) cis-1,2-Dichloroethene	3.94	96	2326	0.237 ug/L	90

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Manual Integrations
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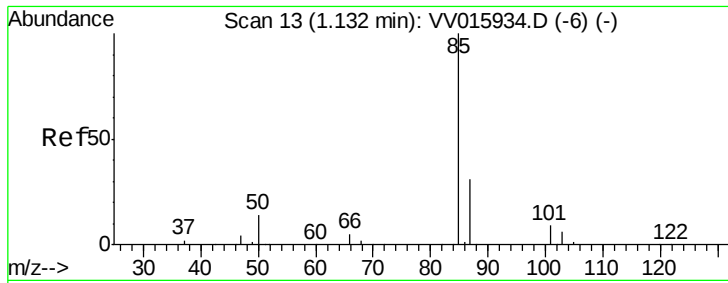
apatel
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.28	128	833	0.198	ug/L	92
25) Chloroform	4.41	83	12716	0.638	ug/L	97
27) 1,2-Dichloroethane	5.17	62	3444	0.281	ug/L #	76
29) 1,1,1-Trichloroethane	4.64	97	3976	0.241	ug/L	93
30) Cyclohexane	4.70	56	3797	0.229	ug/L #	91
31) Carbon tetrachloride	4.86	117	3105	0.218	ug/L	97
33) Benzene	5.13	78	8885m	0.236	ug/L	
34) Trichloroethene	5.95	95	2427	0.226	ug/L	97
35) Methylcyclohexane	6.15	83	3244	0.199	ug/L #	85
37) 1,2-Dichloropropane	6.20	63	2392	0.250	ug/L #	92
38) Bromodichloromethane	6.53	83	2753	0.226	ug/L #	94
39) cis-1,3-Dichloropropene	7.06	75	2785	0.206	ug/L	94
40) 4-Methyl-2-pentanone	7.26	43	12138	2.034	ug/L #	90
42) Toluene	7.41	91	9425	0.236	ug/L	95
43) 1,3,5-Trimethylbenzene	10.56	105	7113	0.194	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	6373	0.174	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	2473	0.216	ug/L	94
47) 1,1,2-Trichloroethane	7.87	97	1543	0.241	ug/L	93
49) Tetrachloroethene	8.00	164	1970	0.262	ug/L	91
50) 2-Hexanone	8.17	43	14525	3.441	ug/L	95
51) Dibromochloromethane	8.27	129	1617	0.225	ug/L	94
52) 1,2-Dibromoethane	8.38	107	1428	0.241	ug/L #	89
53) Chlorobenzene	8.90	112	5938	0.231	ug/L	97
54) Ethylbenzene	9.04	91	9808	0.216	ug/L	97
55) m,p-xylene	9.16	106	3661	0.218	ug/L	86
56) o-xylene	9.57	106	3478	0.216	ug/L	95
57) Styrene	9.59	104	4982	0.185	ug/L	99
58) Isopropylbenzene	9.95	105	8889	0.201	ug/L	95
60) 1,1,2,2-Tetrachloroethane	10.26	83	1892	0.277	ug/L #	92
62) Bromoform	9.76	173	602	0.182	ug/L #	87
63) 1,3-Dichlorobenzene	11.21	146	4402	0.227	ug/L	95
64) 1,4-Dichlorobenzene	11.30	146	4927	0.253	ug/L	90
66) 1,2-Dichlorobenzene	11.67	146	4262	0.243	ug/L	89
68) 1,3,5-Trichlorobenzene	12.67	180	3193	0.225	ug/L	95
69) 1,2,4-trichlorobenzene	13.29	180	2784	0.229	ug/L	95
70) Naphthalene	13.53	128	3885	0.201	ug/L	96
71) 1,2,3-Trichlorobenzene	13.77	180	2313	0.215	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.234 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

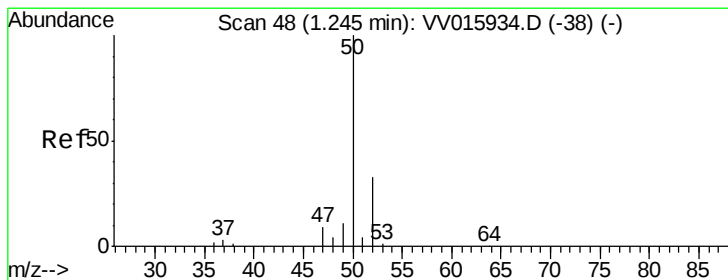
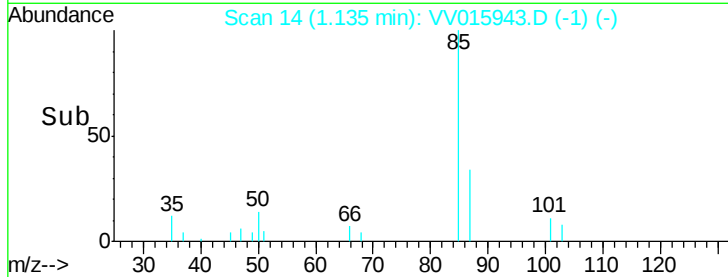
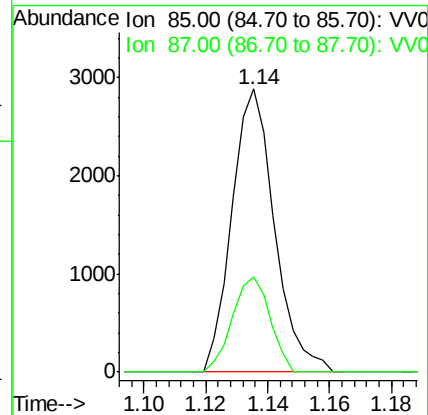
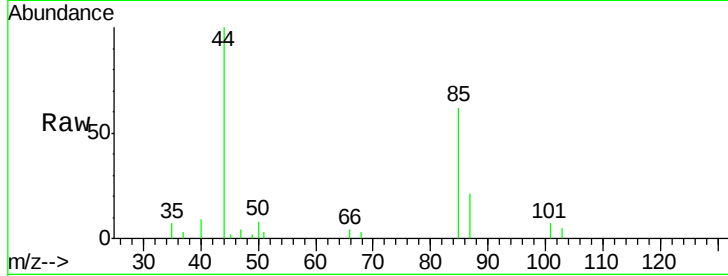
ClientSampleId :

MDL05

Tot Ion	85	Resp	2771
Ion Ratio	100	Lower	Upper
85	100		
87	29.7	26.4	39.6

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#3

Chloromethane

Concen: 0.252 ug/L

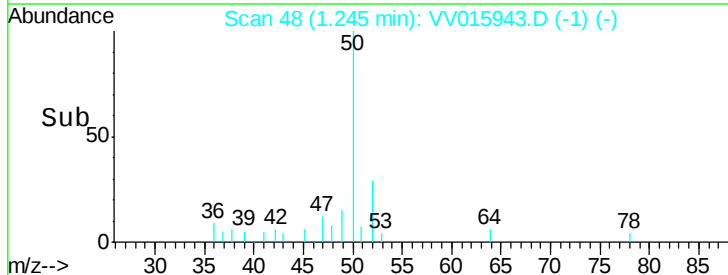
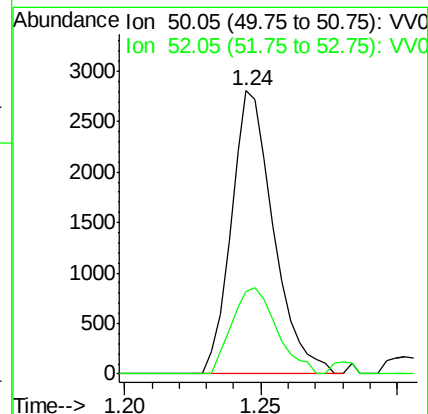
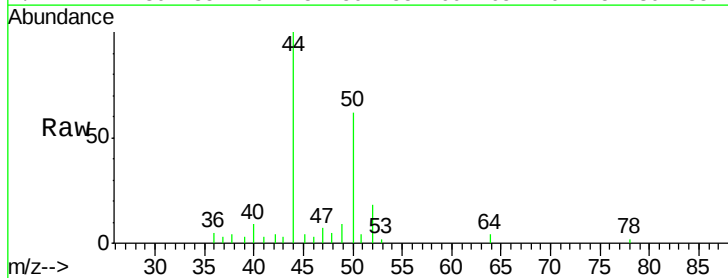
RT: 1.24 min Scan# 48

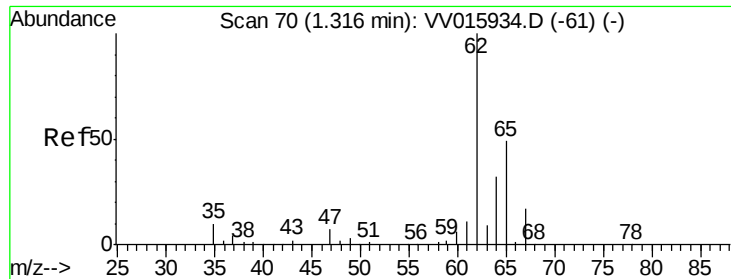
Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Tgt Ion	50	Resp	3022
Ion Ratio	100	Lower	Upper
50	100		
52	29.3	22.8	42.4





#5

Vinyl chloride

Concen: 0.239 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 62 Resp: 2742

Ion Ratio Lower Upper

62 100

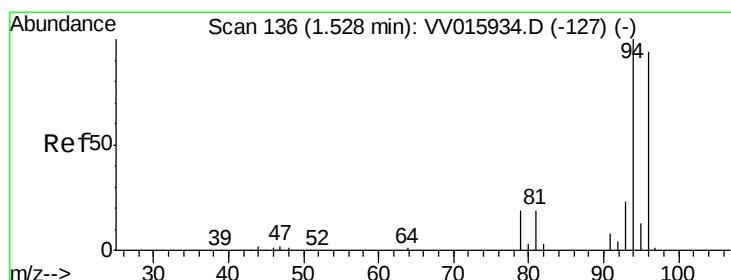
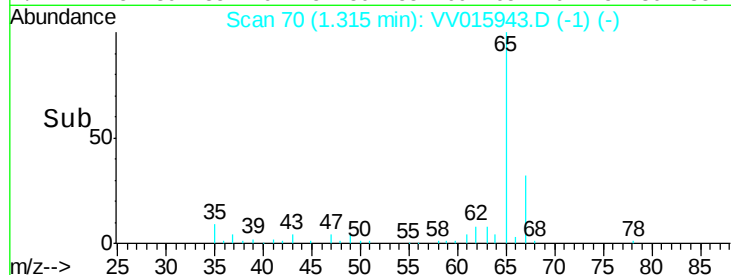
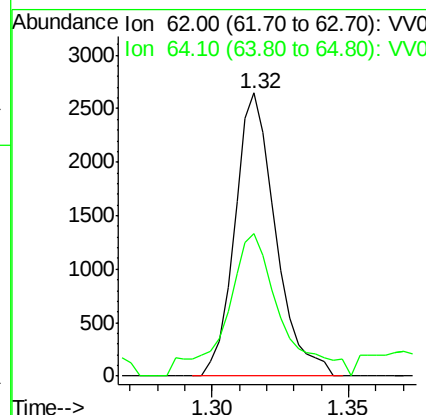
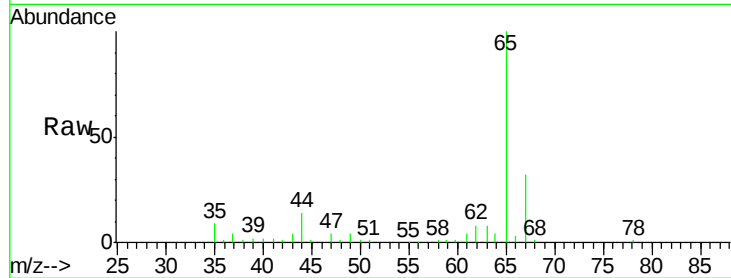
64 50.3 22.4 41.6#

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#6

Bromomethane

Concen: 0.256 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015943.D

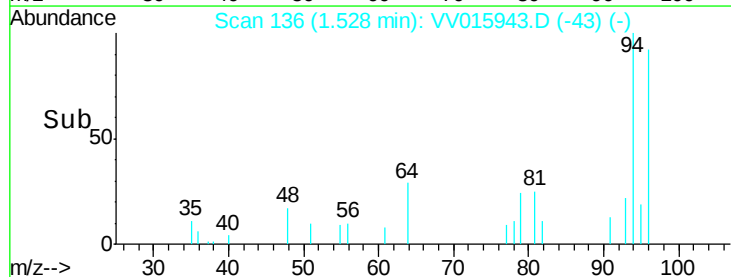
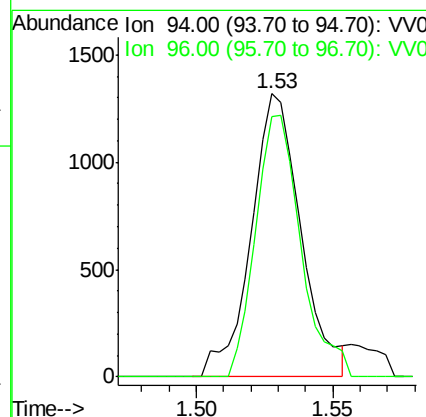
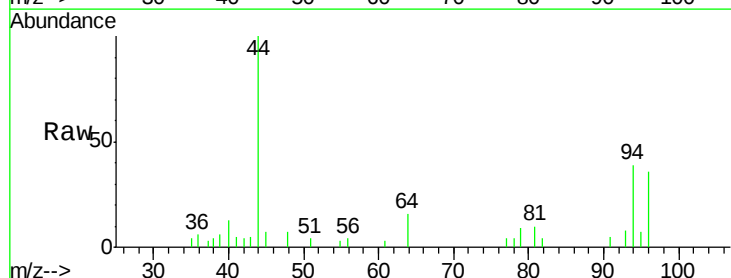
Acq: 07 May 2020 16:43

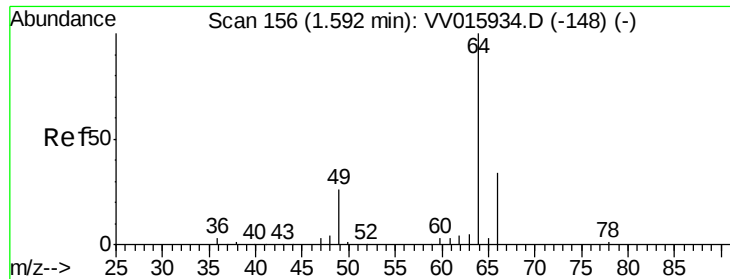
Tgt Ion: 94 Resp: 1663

Ion Ratio Lower Upper

94 100

96 91.9 65.4 121.4





#8

Chloroethane

Concen: 0.230 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 1880

Ion Ratio Lower Upper

64 100

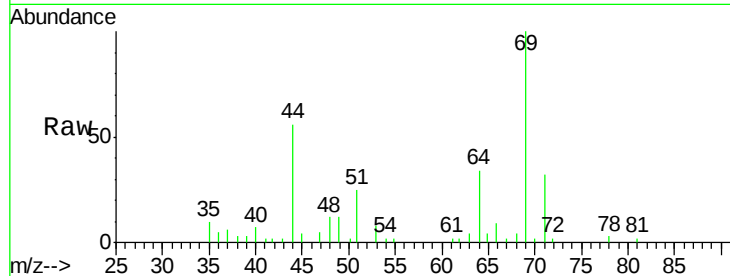
66 25.4 23.6 43.8

Manual Integrations

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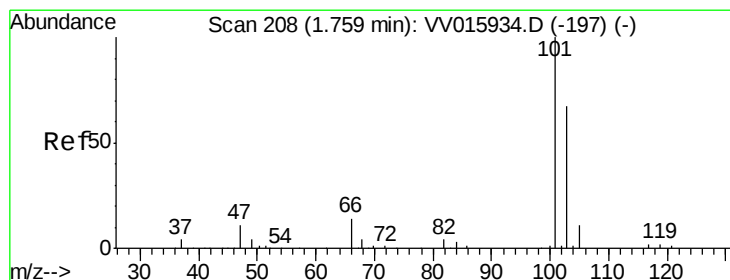
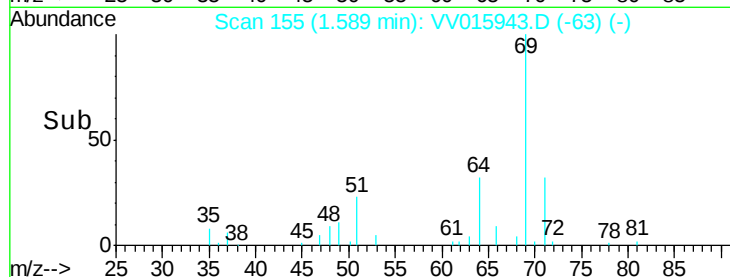
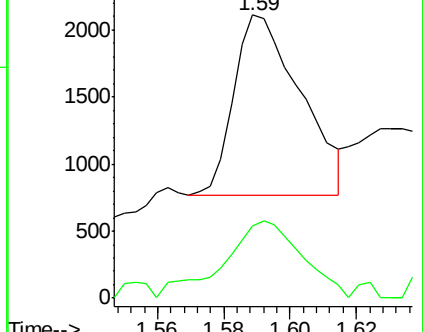
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Abundance Ion 64.10 (63.80 to 64.80): VV015943.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015943.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 0.224 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015943.D

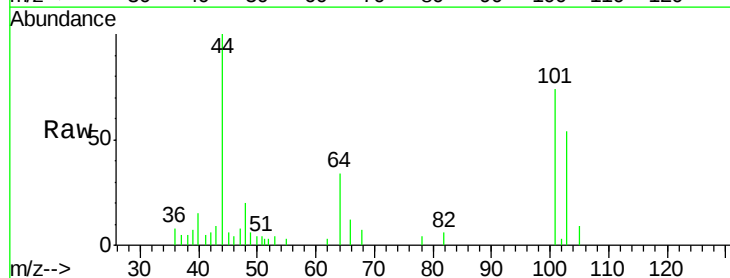
Acq: 07 May 2020 16:43

Tgt Ion: 101 Resp: 3519

Ion Ratio Lower Upper

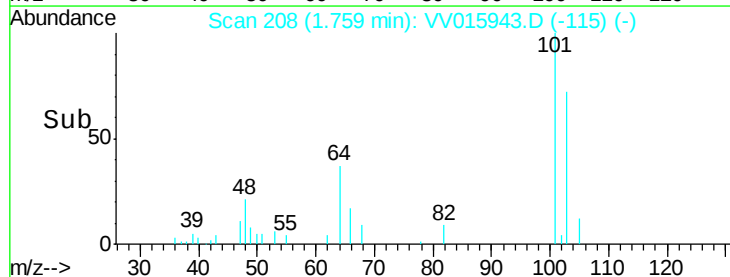
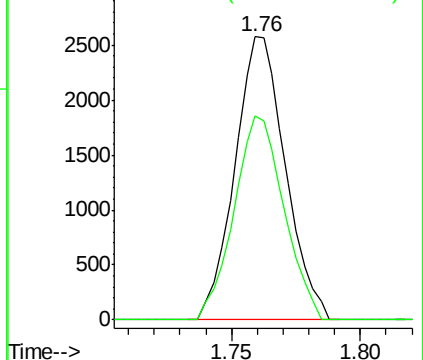
101 100

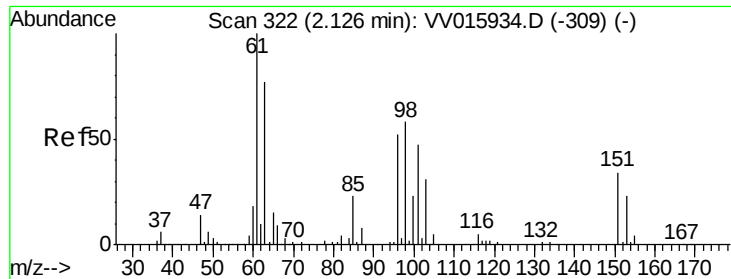
103 71.0 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015943.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015943.D (-197) (-)





#10

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

Concen: 0.278 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

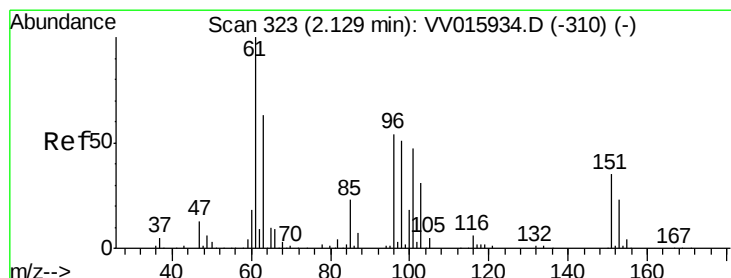
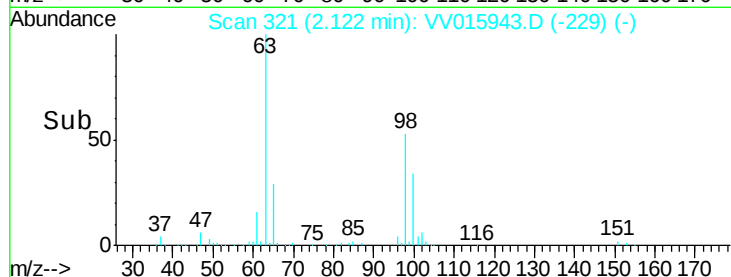
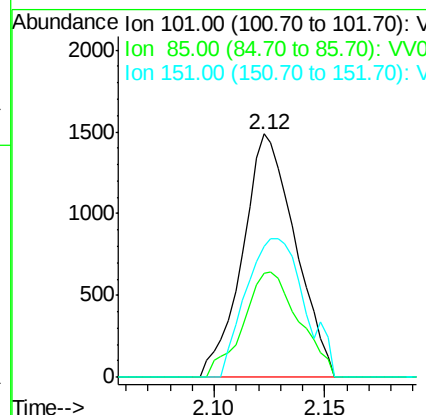
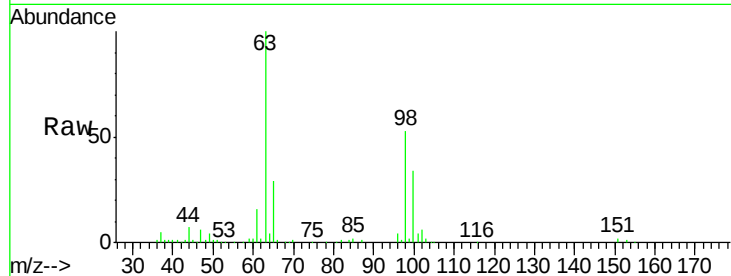
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	2468
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.7	53.5
151	63.4	58.0	87.0

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.300 ug/L

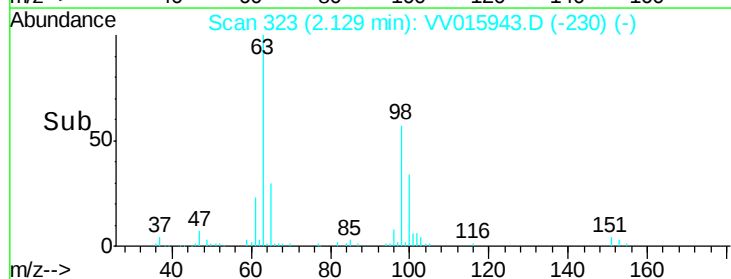
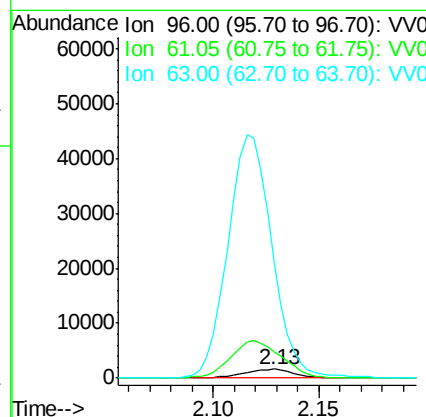
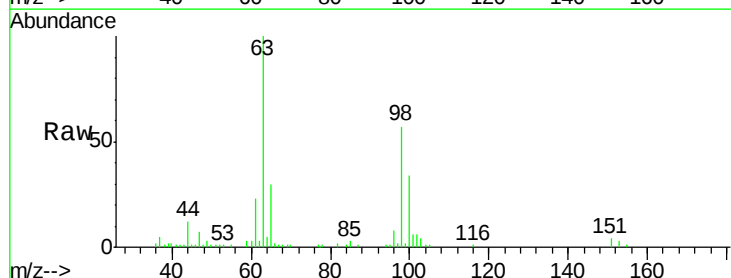
RT: 2.13 min Scan# 323

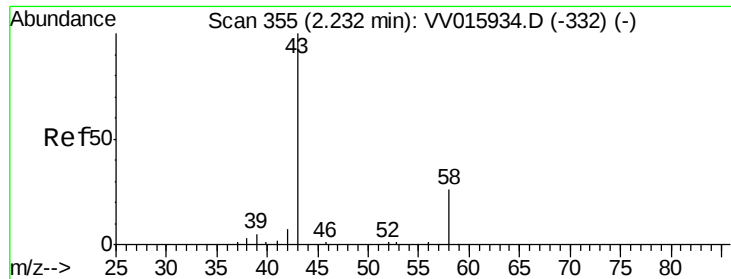
Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Tgt Ion:	96	Resp:	2551
Ion Ratio	Lower	Upper	
96	100		
61	301.8	139.9	259.7#
63	1290.7	106.4	197.6#





#13

Acetone

Concen: 1.593 ug/L m

RT: 2.28 min Scan# 370

Delta R.T. 0.05 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 43 Resp: 2512

Ion Ratio Lower Upper

43 100

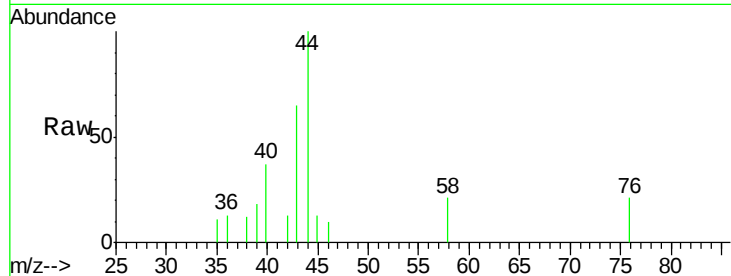
58 6.6 0.0 30.8

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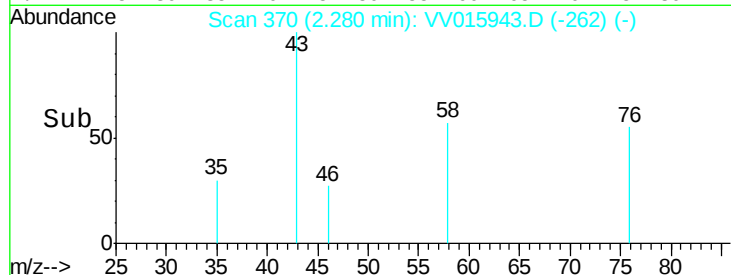
5/8/2020 12:58:21 PM



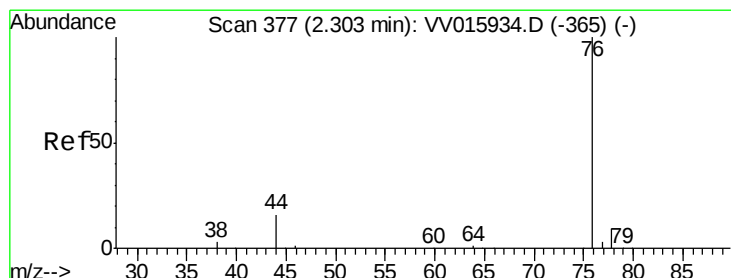
Abundance Ion 43.05 (42.75 to 43.75): VV015943.D (-262) (-)

Ion 58.05 (57.75 to 58.75): VV015943.D (-262) (-)

Time-->



Time-->



#14

Carbon disulfide

Concen: 0.221 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015943.D

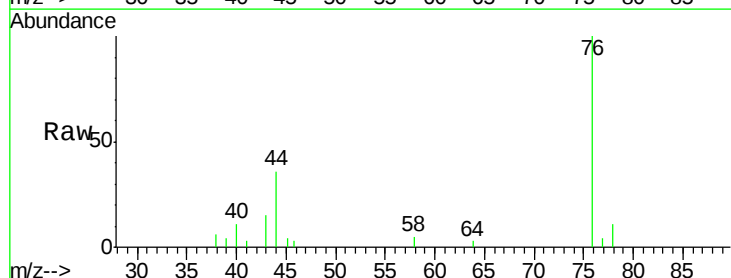
Acq: 07 May 2020 16:43

Tgt Ion: 76 Resp: 6193

Ion Ratio Lower Upper

76 100

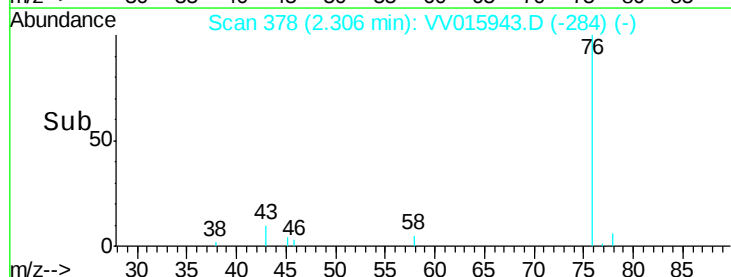
78 10.6 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV015943.D (-284) (-)

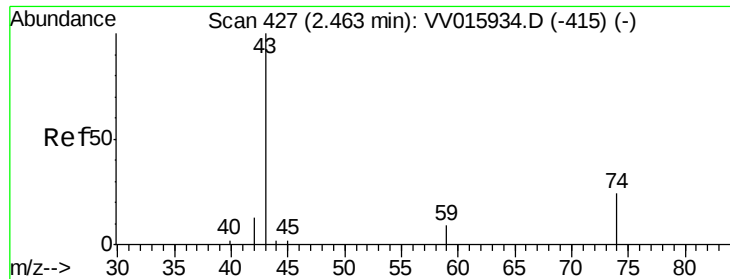
Ion 78.00 (77.70 to 78.70): VV015943.D (-284) (-)

Time-->



Time-->

Time-->



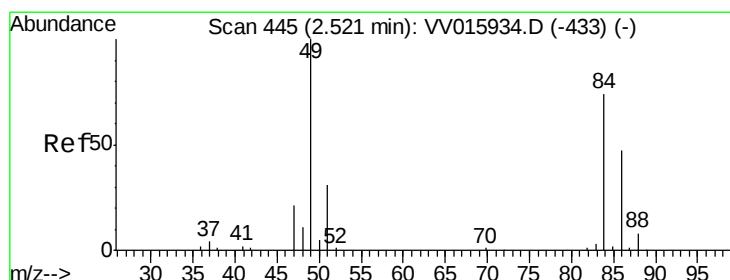
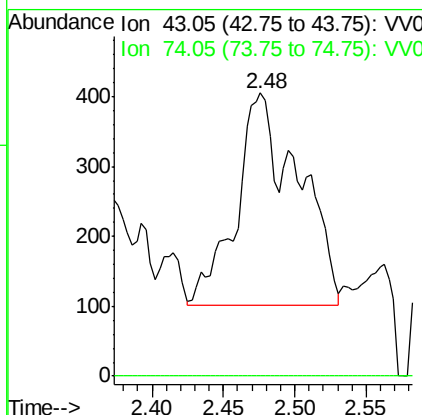
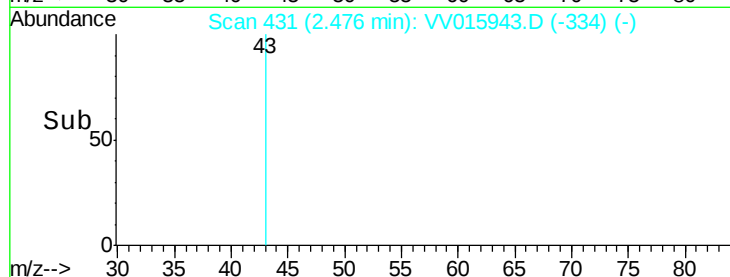
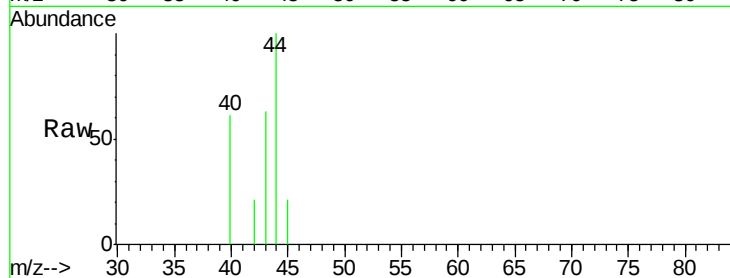
#15
Methvl Acetate
Concen: 0.252 ug/L m
RT: 2.48 min Scan# 431
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

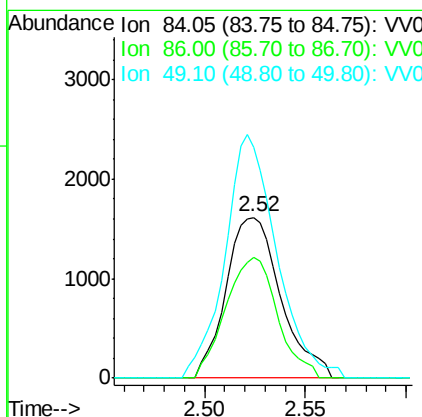
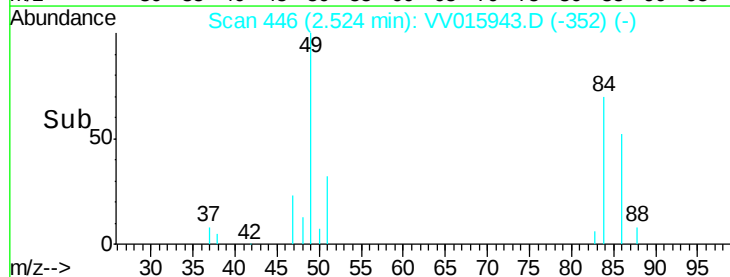
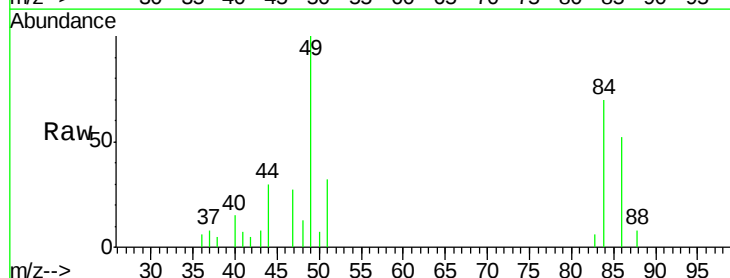
Manual Integrations
APPROVED

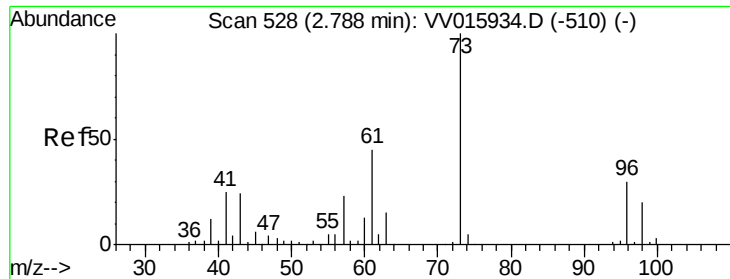
apatel
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#16
Methylene chloride
Concen: 0.302 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Tgt Ion: 84 Resp: 3076
Ion Ratio Lower Upper
84 100
86 74.8 45.6 84.8
49 143.5 93.6 173.8





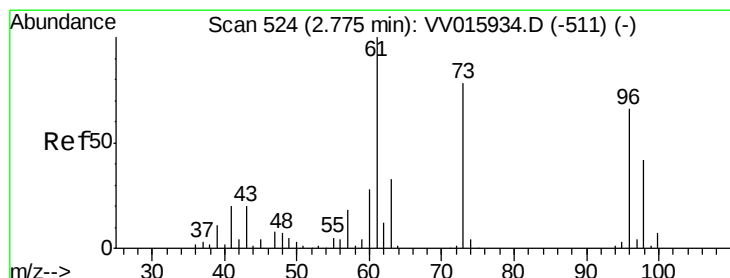
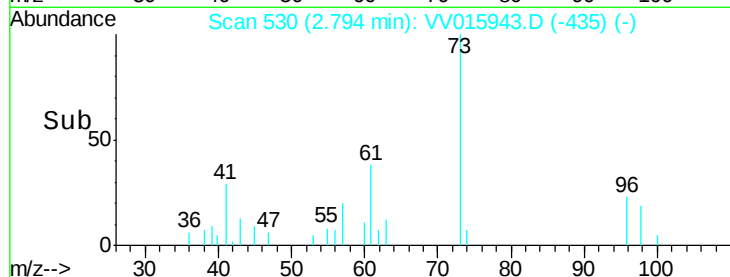
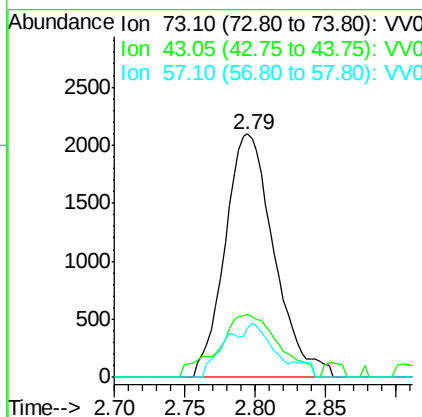
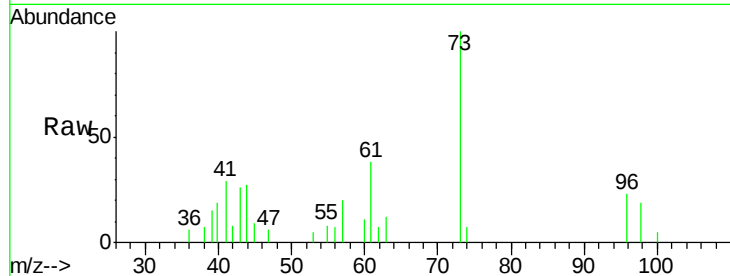
#17
Methvl tert-butvl Ether
Concen: 0.231 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 73 Resp: 5092
Ion Ratio Lower Upper
73 100
43 31.9 18.8 28.2#
57 15.2 17.8 26.6#

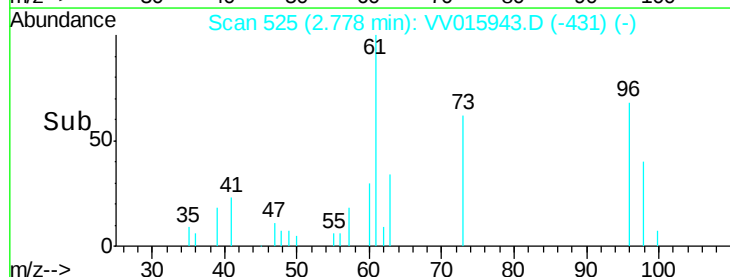
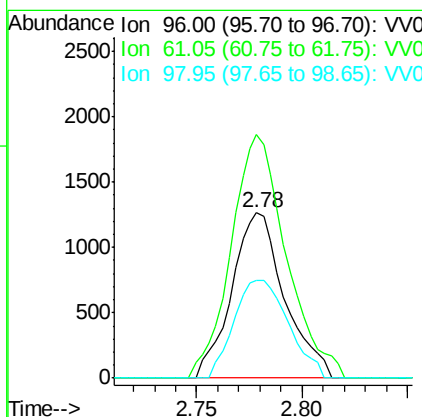
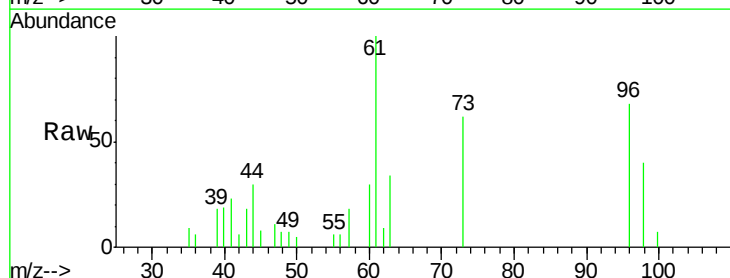
Manual Integrations
APPROVED

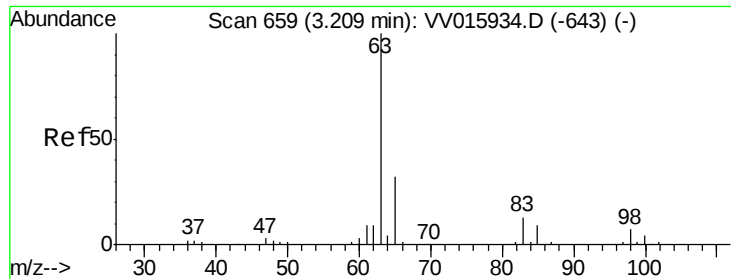
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#18
trans-1,2-Dichloroethene
Concen: 0.234 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Tgt Ion: 96 Resp: 2199
Ion Ratio Lower Upper
96 100
61 147.5 105.3 195.5
98 59.4 44.0 81.6





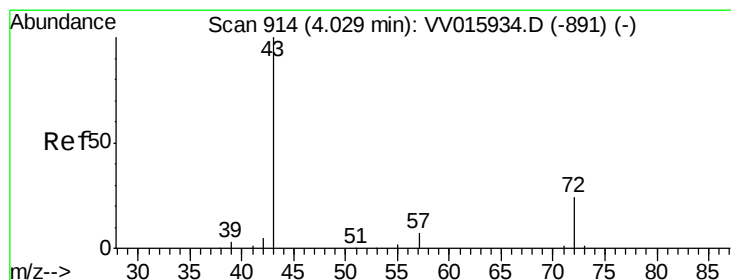
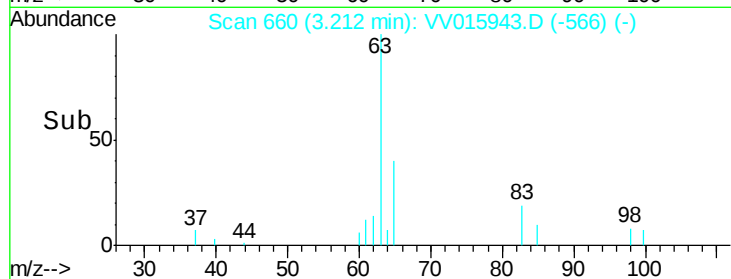
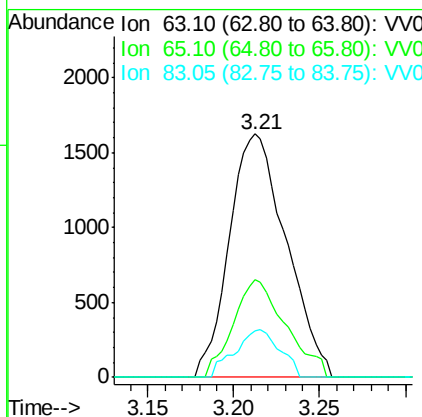
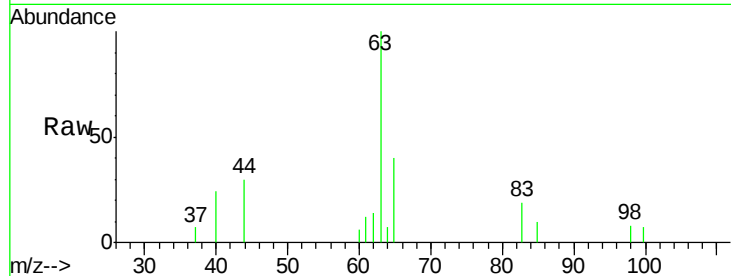
#19
 1,1-Dichloroethane
 Concen: 0.206 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	40.0	22.0	41.0
83	19.1	9.8	18.2

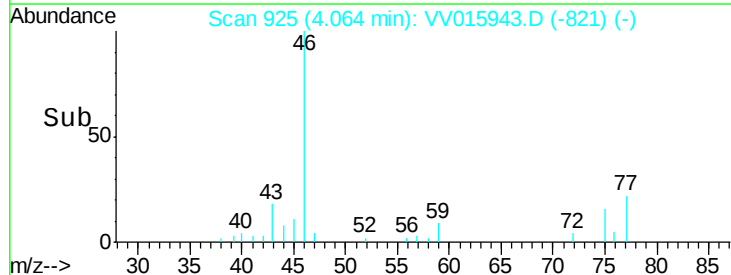
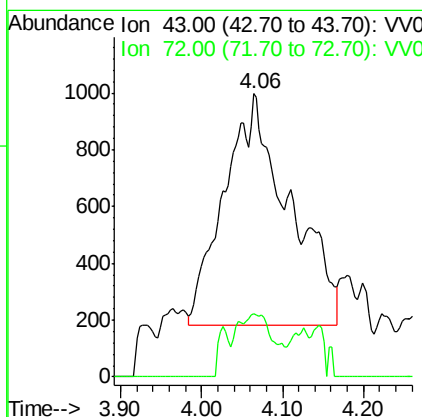
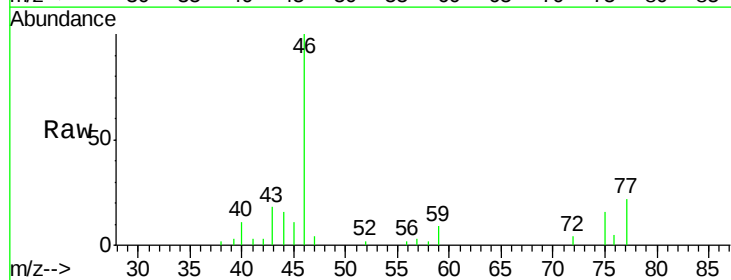
Manual Integrations
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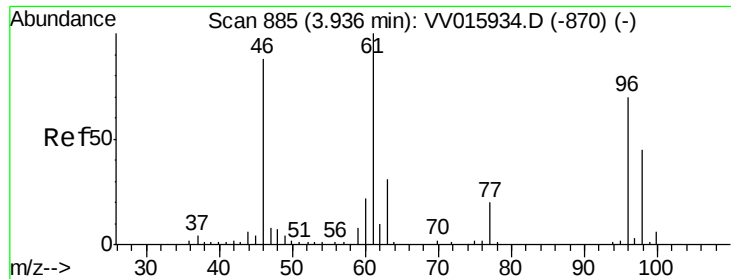
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#21
 2-Butanone
 Concen: 1.888 ug/L m
 RT: 4.06 min Scan# 925
 Delta R.T. 0.04 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.9	10.5	31.5





#22

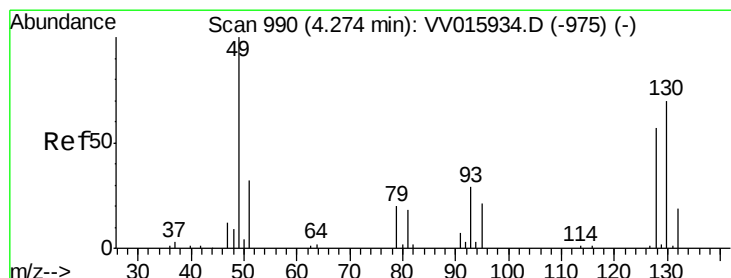
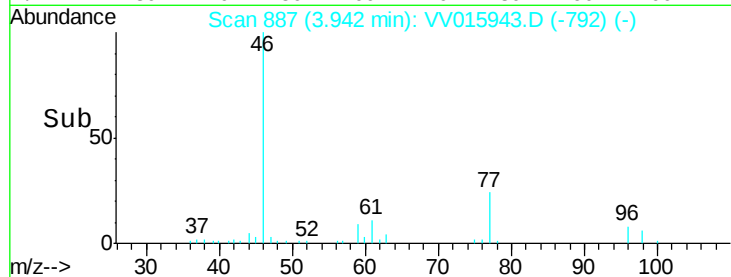
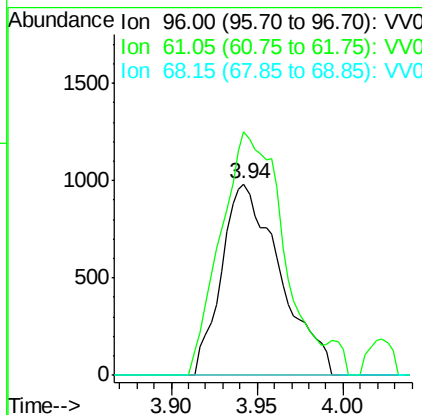
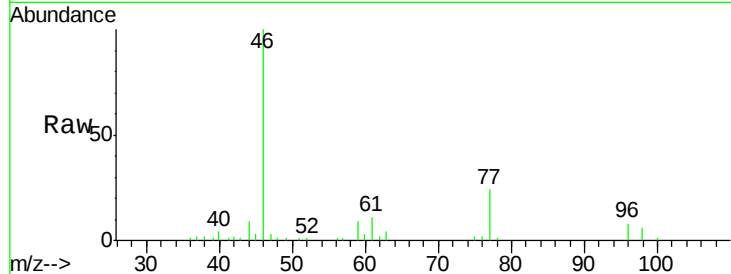
cis-1,2-Dichloroethene
Concen: 0.237 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.1	97.2	180.6
68	0.0	0.0	0.0

Manual Integrations
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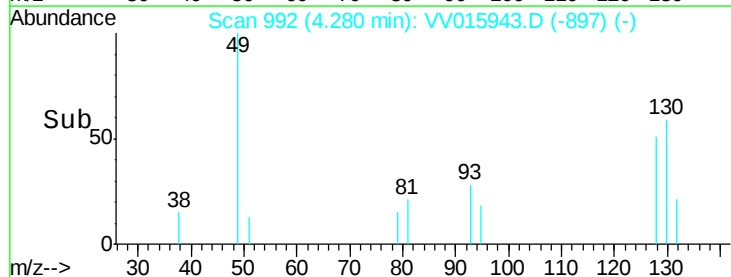
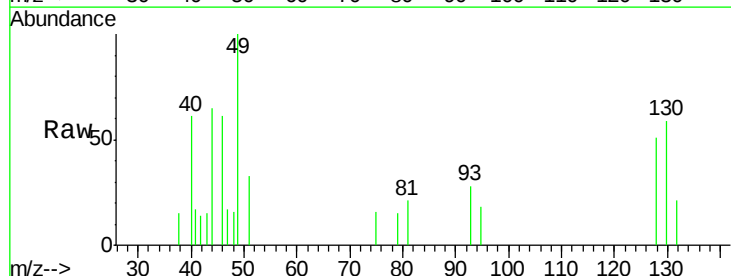
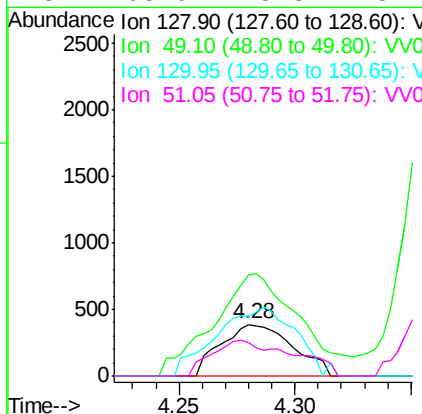
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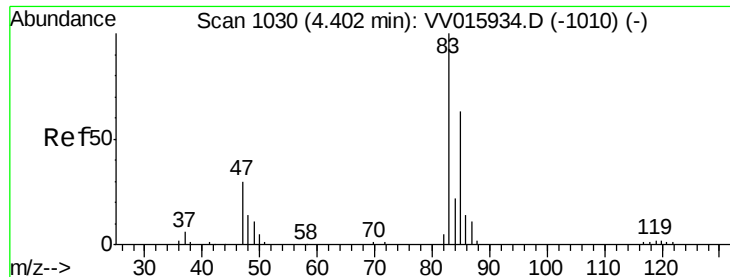


#23

Bromochloromethane
Concen: 0.198 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Tgt Ion	Ratio	Lower	Upper
128	100		
49	194.6	131.3	243.8
130	115.2	91.8	170.4
51	63.9	48.8	73.2





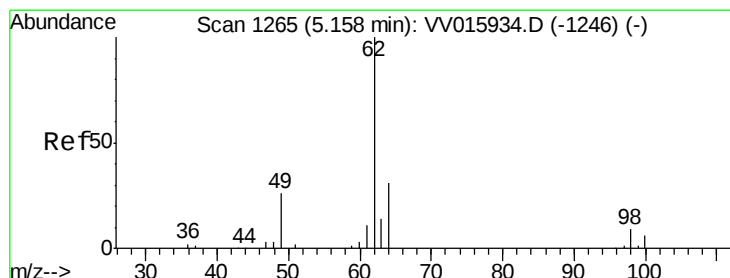
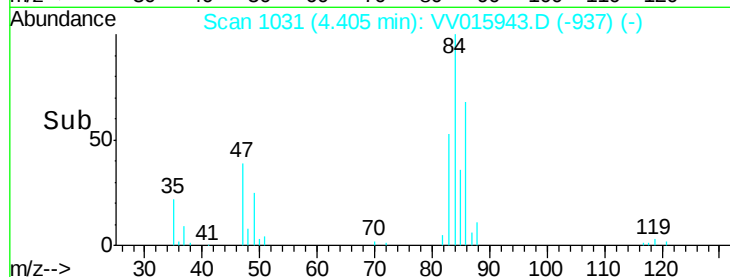
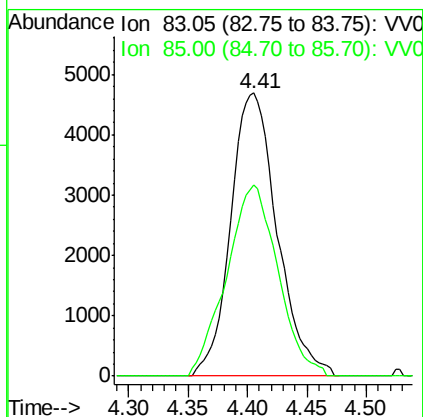
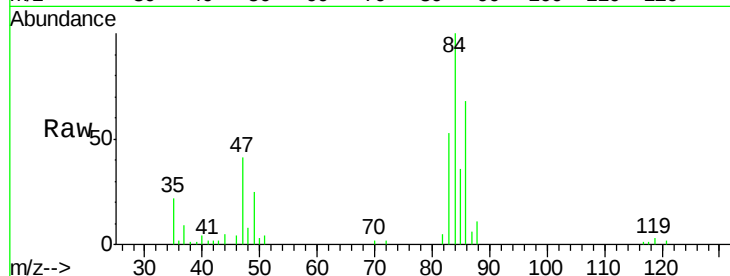
#25
Chloroform
Concen: 0.638 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion: 83 Resp: 12716
Ion Ratio Lower Upper
83 100
85 67.5 45.7 84.9

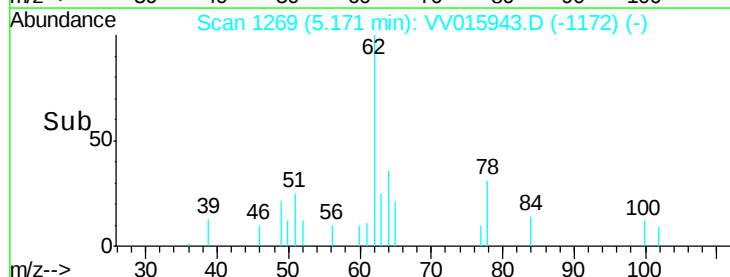
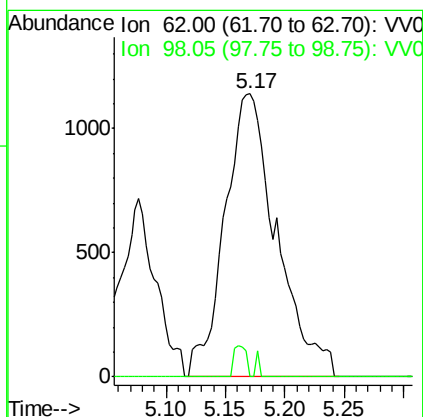
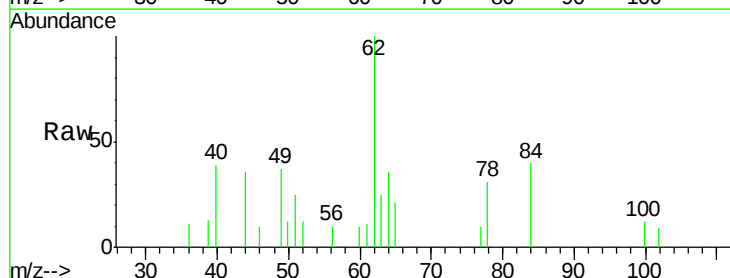
Manual Integrations
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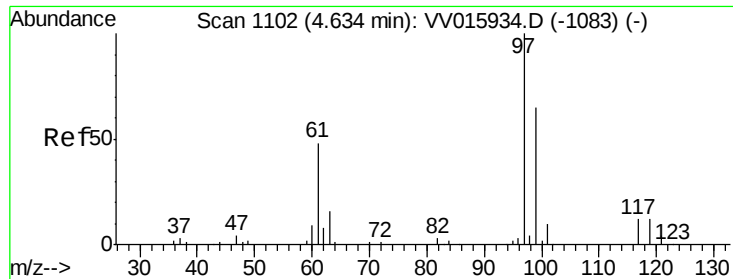
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#27
1,2-Dichloroethane
Concen: 0.281 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Tgt Ion: 62 Resp: 3444
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





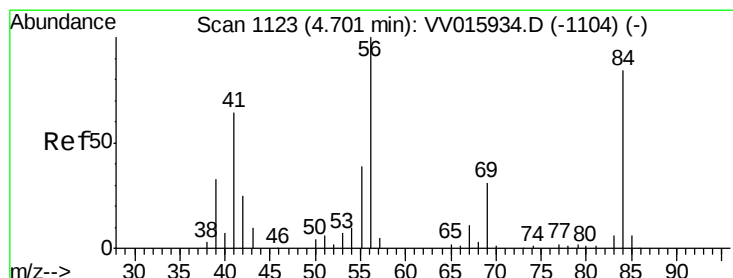
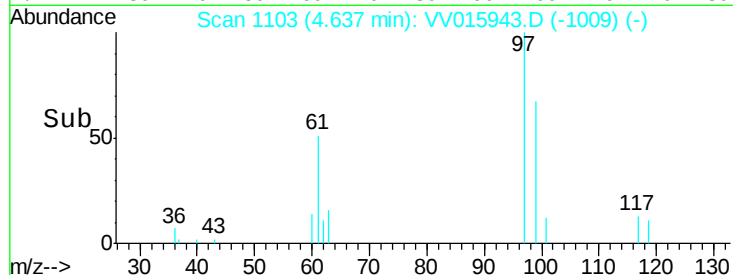
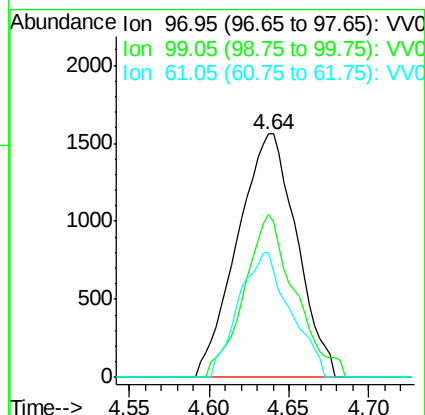
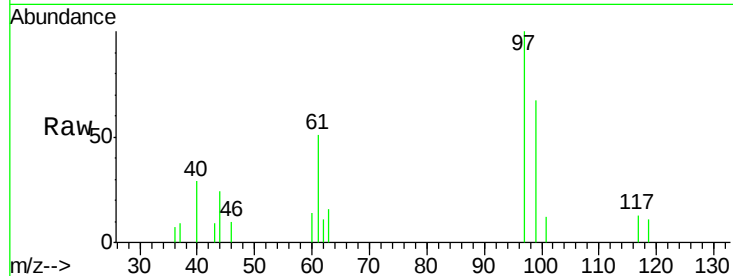
#29
 1,1,1-Trichloroethane
 Concen: 0.241 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
97	100		
99	57.5	50.7	76.1
61	44.6	38.8	58.2

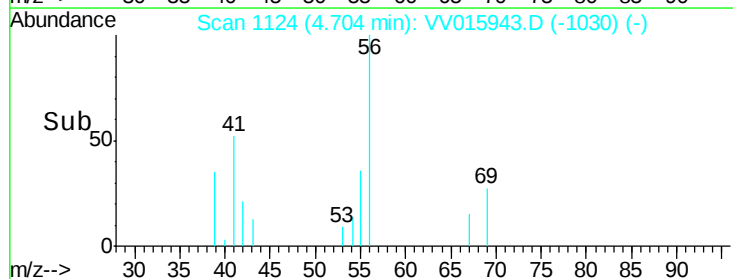
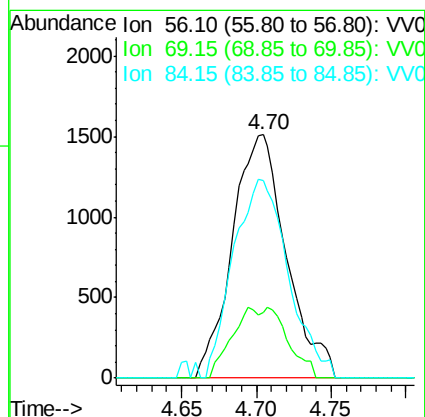
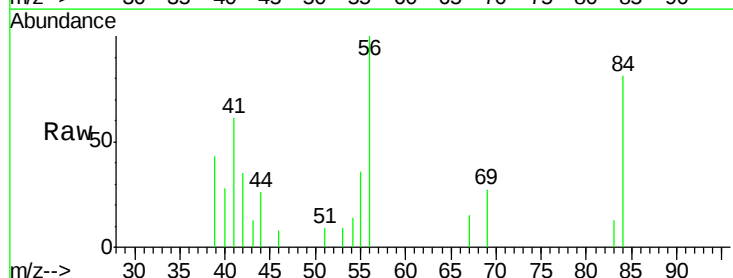
Manual Integrations
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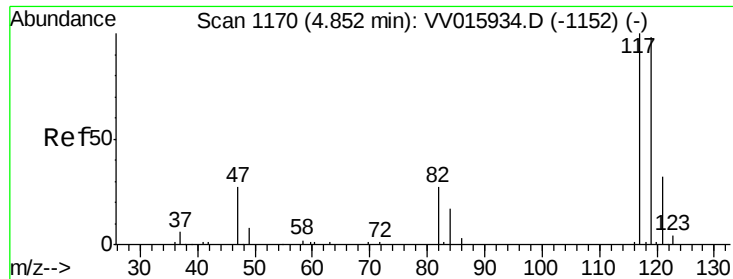
apatel
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#30
 Cyclohexane
 Concen: 0.229 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Tgt Ion	Ratio	Lower	Upper
56	100		
69	14.7	24.2	36.2#
84	83.2	68.3	102.5





#31

Carbon tetrachloride

Concen: 0.218 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion:117 Resp: 3105

Ion Ratio Lower Upper

117 100

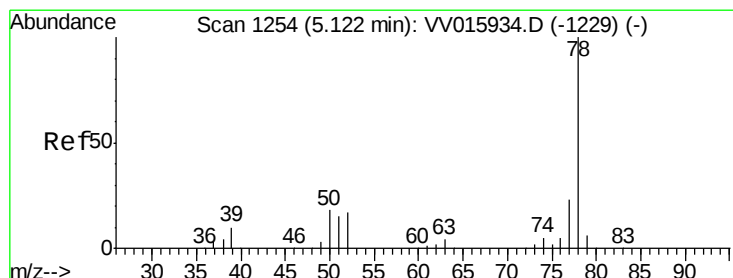
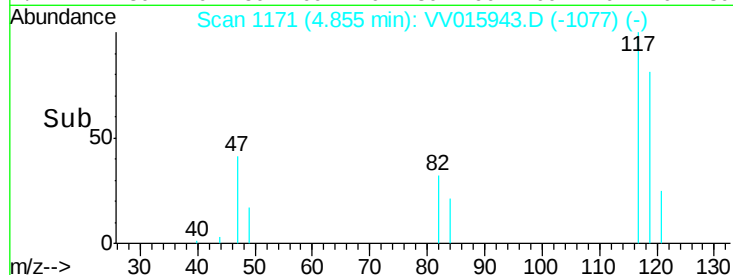
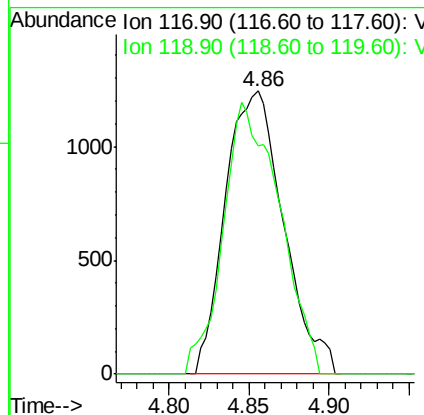
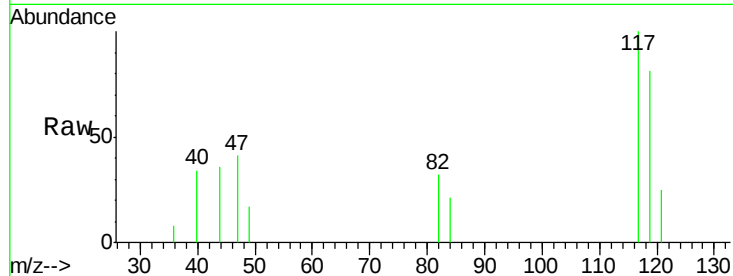
119 93.4 77.3 115.9

Manual Integrations

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#33

Benzene

Concen: 0.236 ug/L m

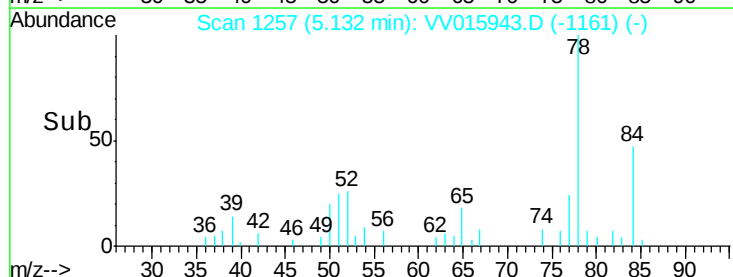
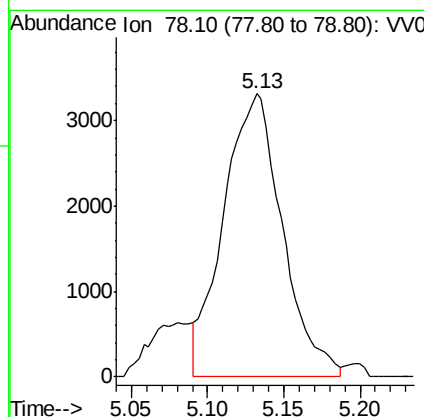
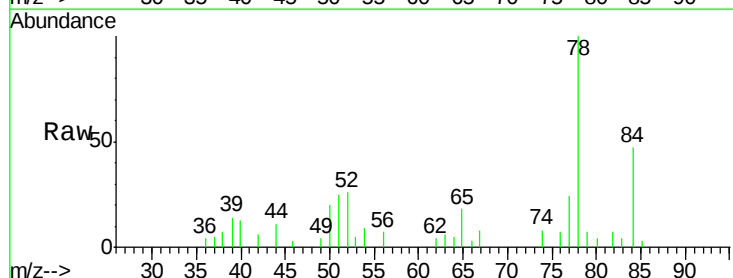
RT: 5.13 min Scan# 1257

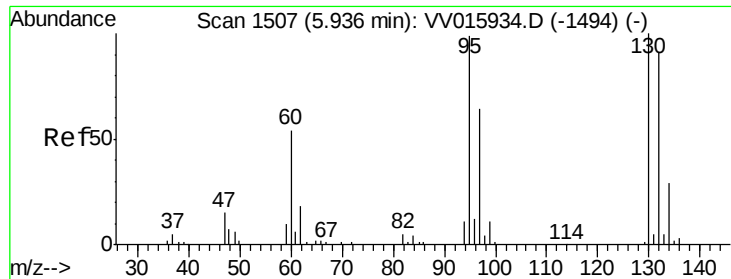
Delta R.T. 0.01 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Tgt Ion: 78 Resp: 8885





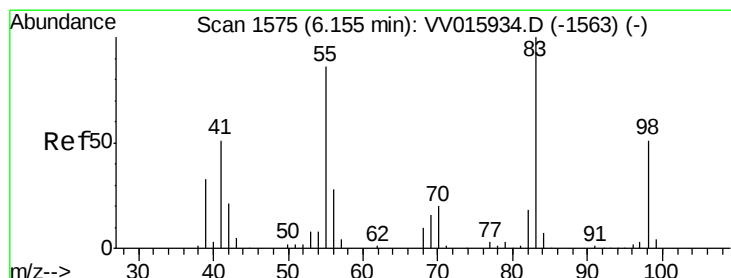
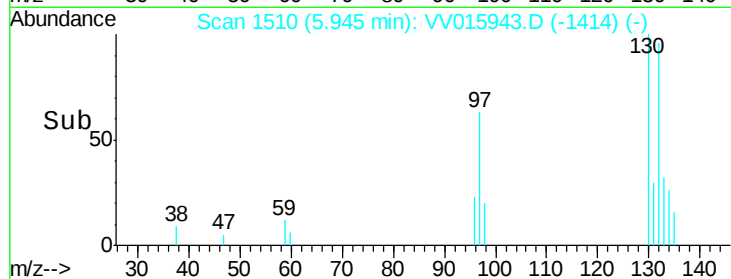
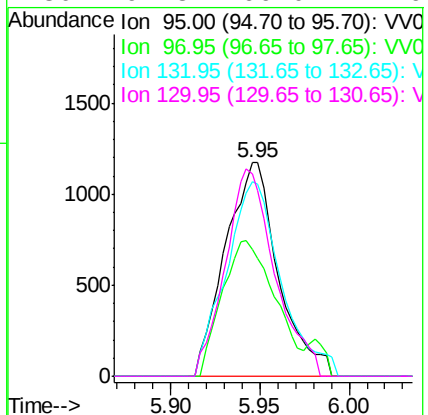
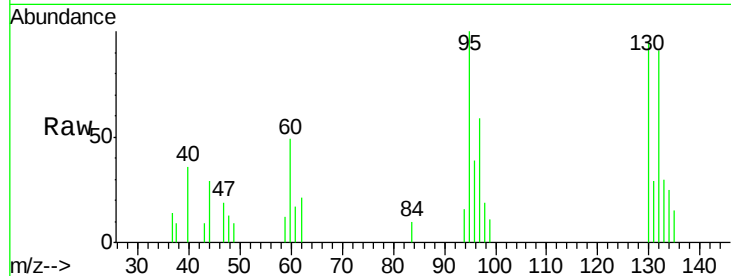
#34
 Trichloroethene
 Concen: 0.226 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 95 Resp: 2427
 Ion Ratio Lower Upper
 95 100
 97 59.4 43.3 80.5
 132 90.9 60.3 112.1
 130 94.8 66.0 122.6

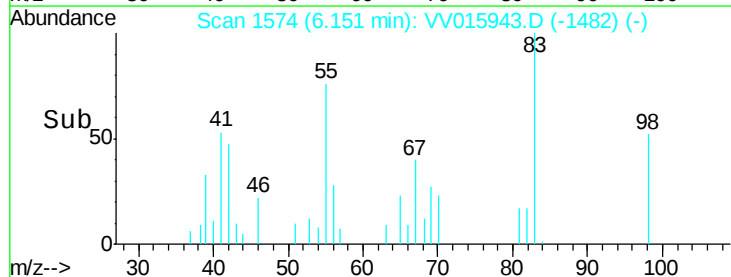
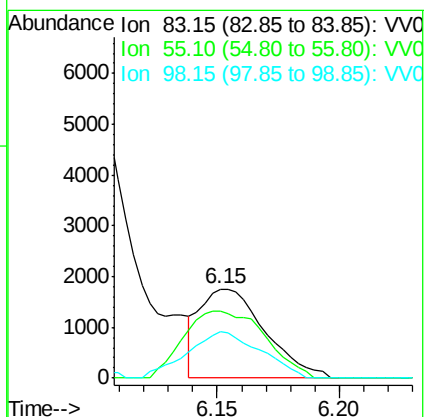
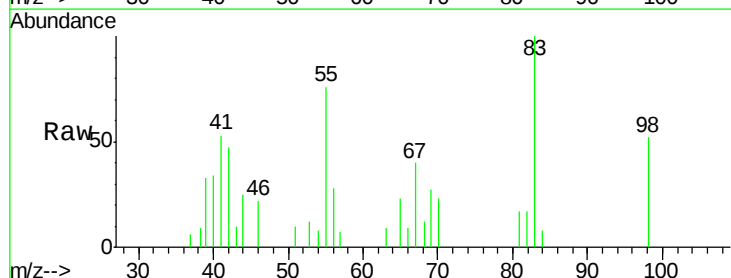
Manual Integrations
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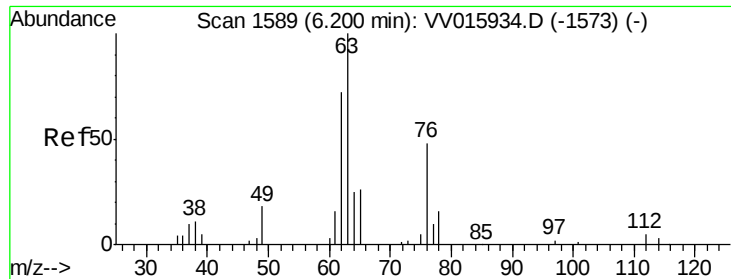
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#35
 Methylcyclohexane
 Concen: 0.199 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Tgt Ion: 83 Resp: 3244
 Ion Ratio Lower Upper
 83 100
 55 94.8 66.2 99.2
 98 58.8 37.9 56.9#





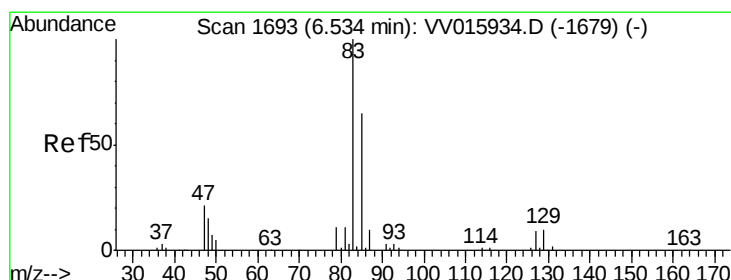
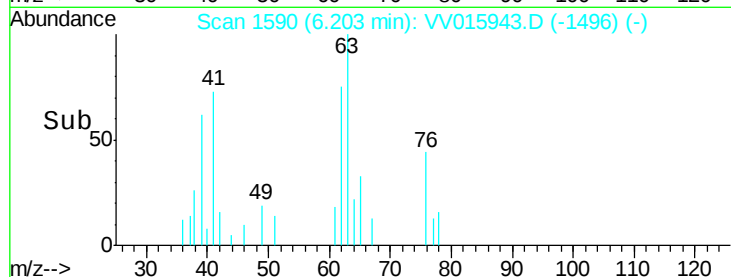
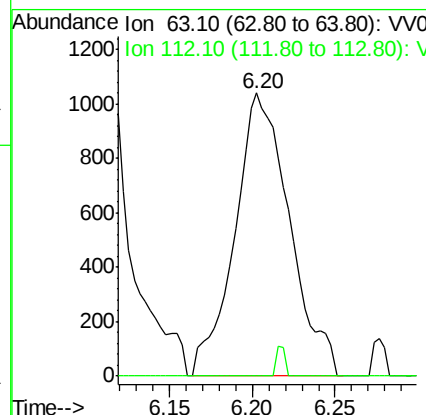
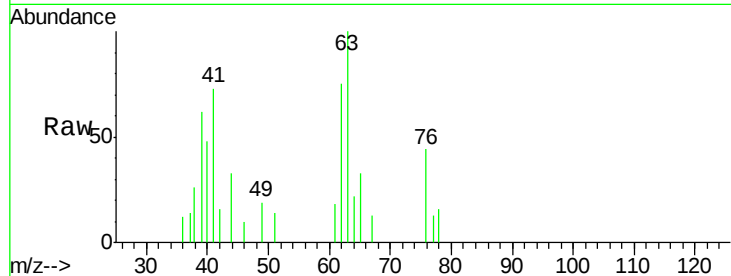
#37
 1,2-Dichloropropane
 Concen: 0.250 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 63 Resp: 2392
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.4 5.0#

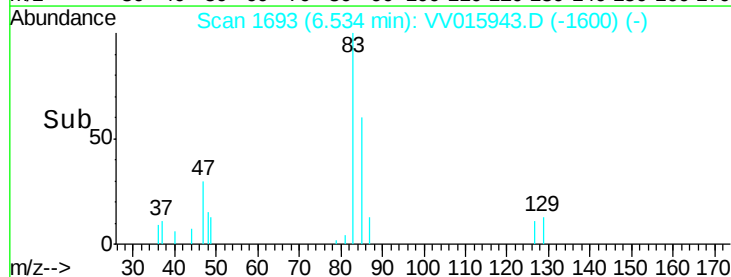
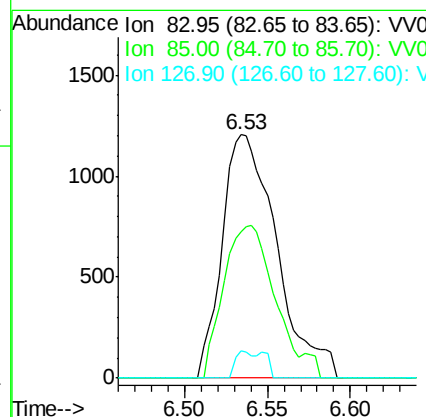
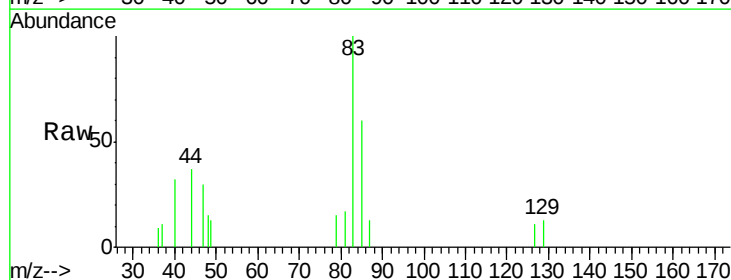
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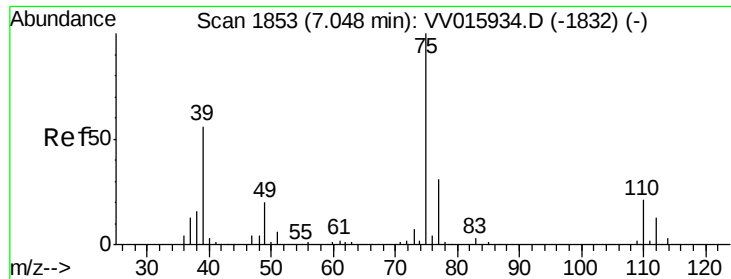
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#38
 Bromodichloromethane
 Concen: 0.226 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Tgt Ion: 83 Resp: 2753
 Ion Ratio Lower Upper
 83 100
 85 60.2 45.5 84.5
 127 11.2 6.2 9.4#





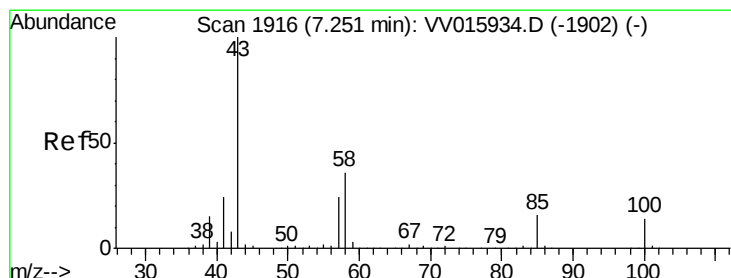
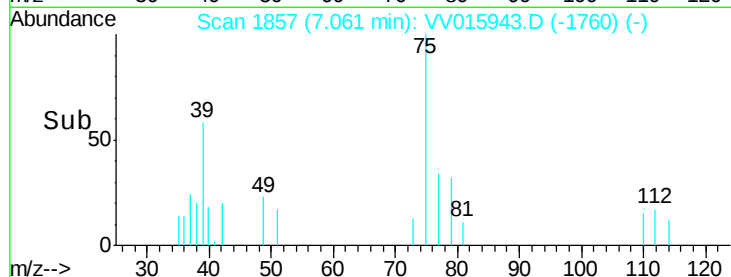
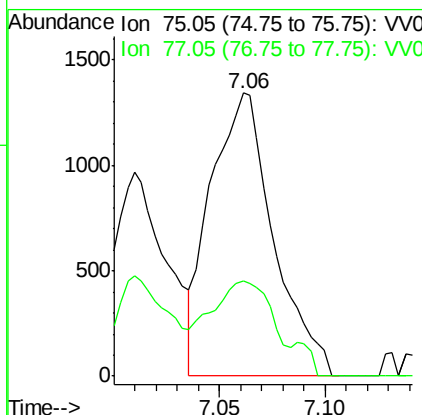
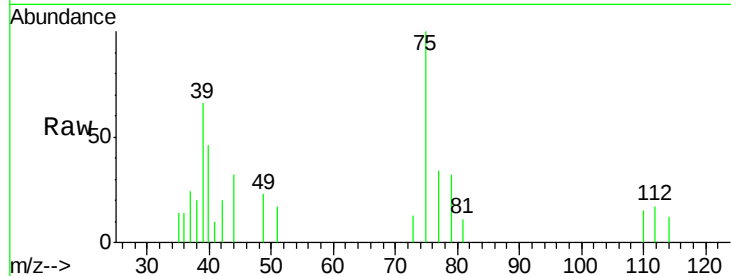
#39
 cis-1,3-Dichloropropene
 Concen: 0.206 ug/L
 RT: 7.06 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 2785
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.3 39.5

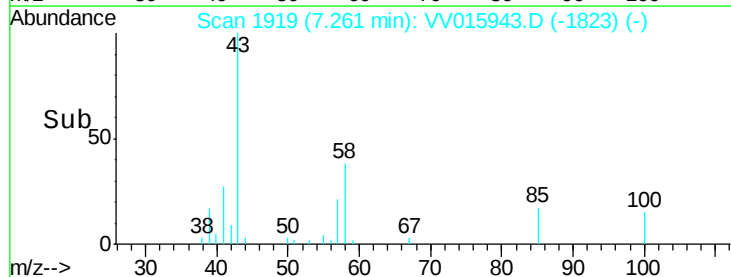
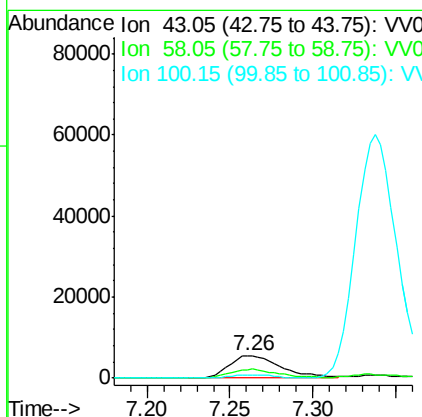
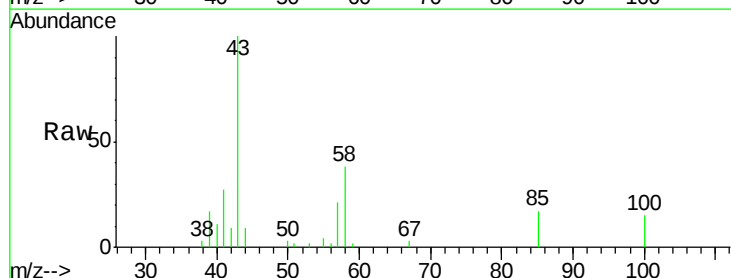
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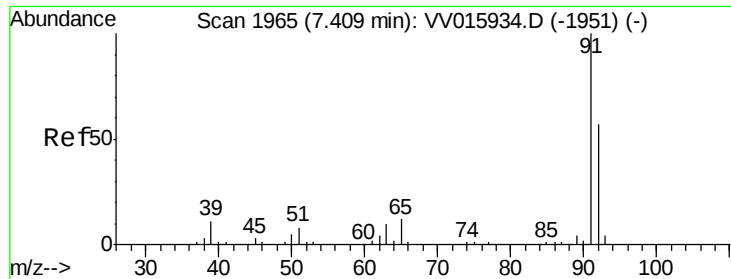
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#40
 4-Methyl-2-pentanone
 Concen: 2.034 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Tgt Ion: 43 Resp: 12138
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.0 43.4
 100 0.0 10.9 16.3#





#42

Toluene

Concen: 0.236 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 91 Resp: 9425

Ion Ratio Lower Upper

91 100

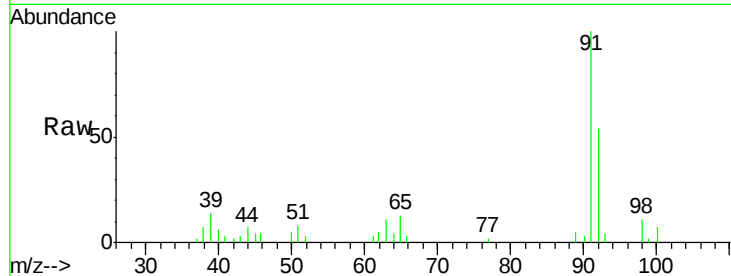
92 53.7 40.1 74.5

Manual Integrations

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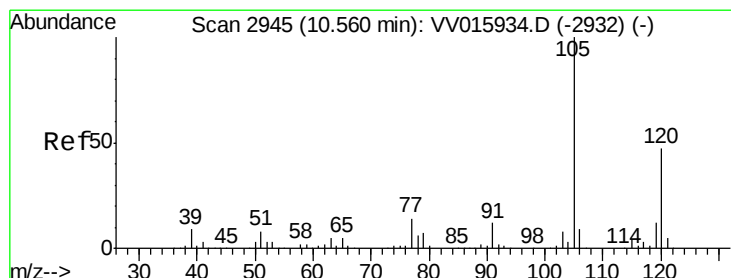
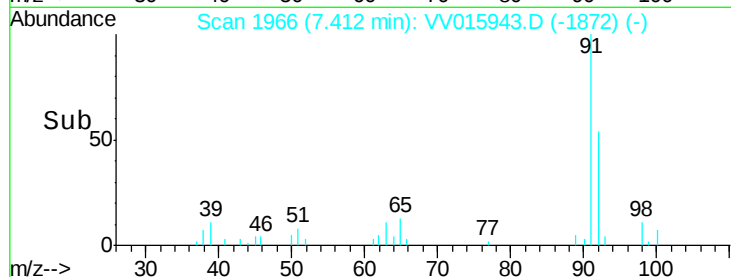
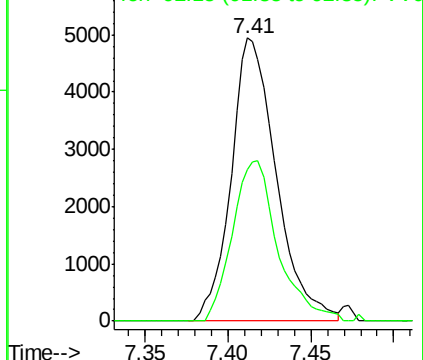
apatel

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Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#43

1,3,5-Trimethylbenzene

Concen: 0.194 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV015943.D

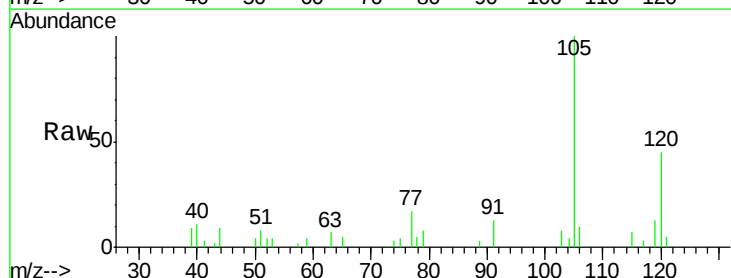
Acq: 07 May 2020 16:43

Tgt Ion:105 Resp: 7113

Ion Ratio Lower Upper

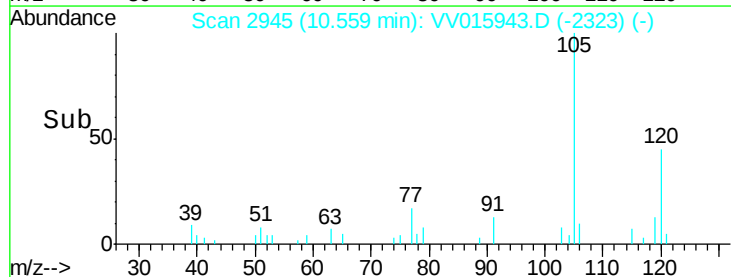
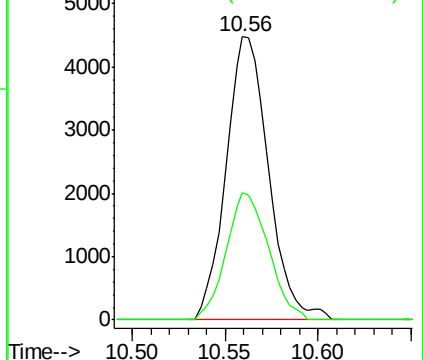
105 100

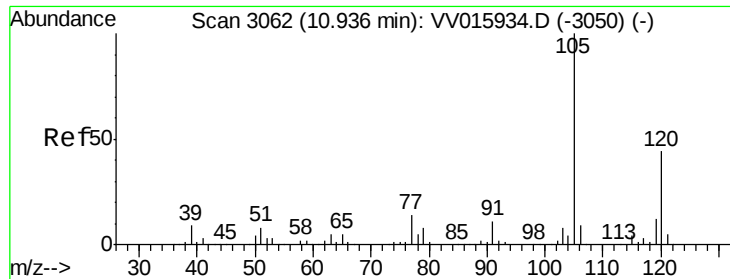
120 44.7 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





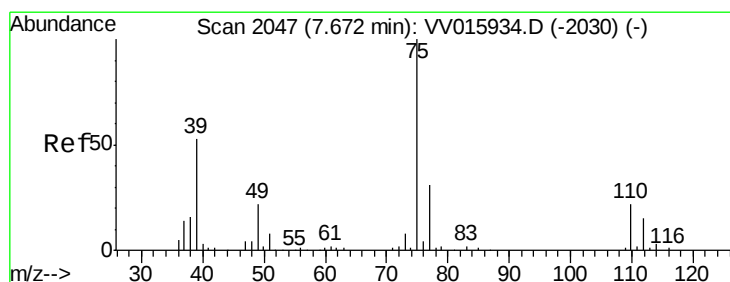
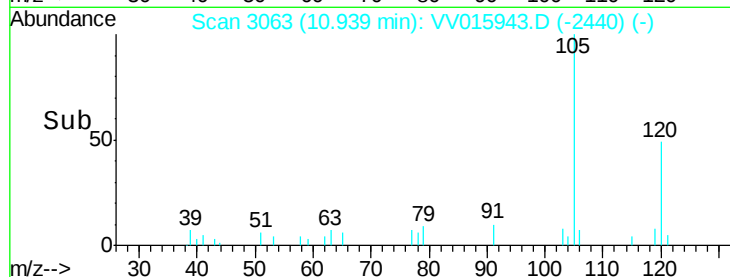
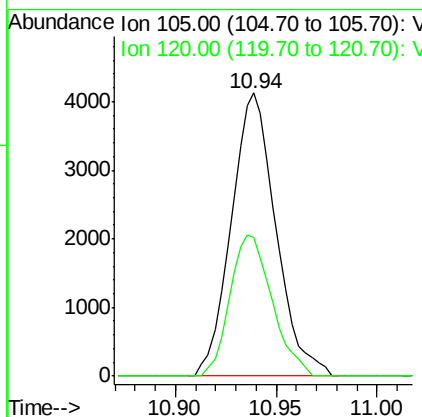
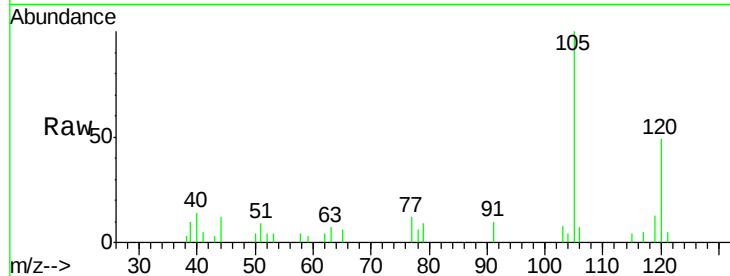
#44
 1,2,4-Trimethylbenzene
 Concen: 0.174 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion:105 Resp: 6373
 Ion Ratio Lower Upper
 105 100
 120 47.1 0.0 0.0#

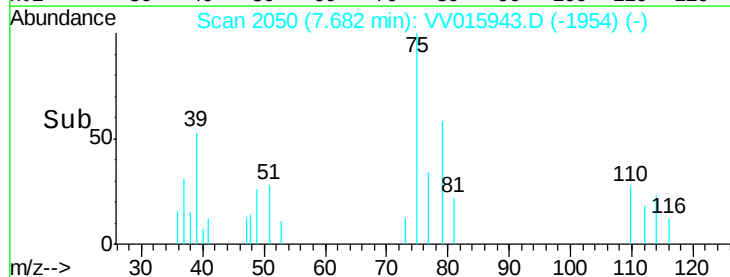
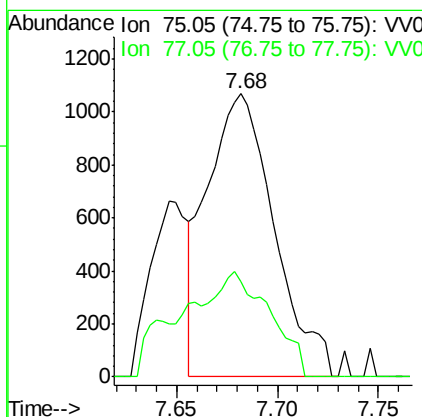
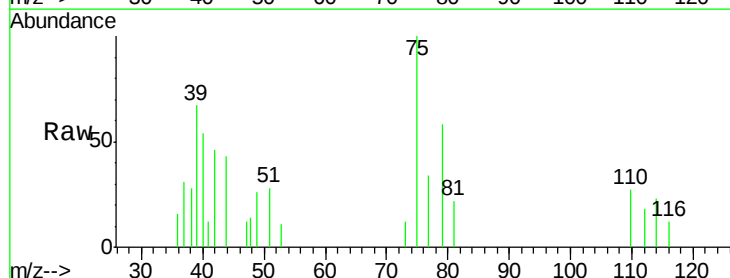
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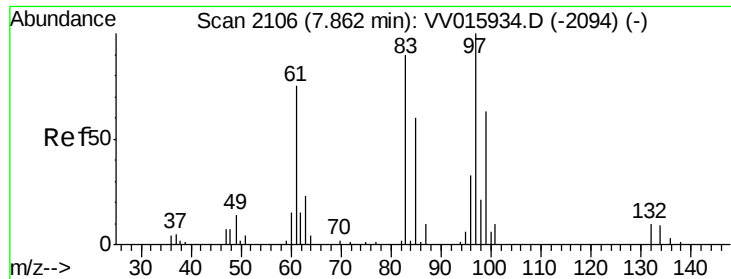
apatel
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#46
 trans-1,3-Dichloropropene
 Concen: 0.216 ug/L
 RT: 7.68 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Tgt Ion: 75 Resp: 2473
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.3 39.6





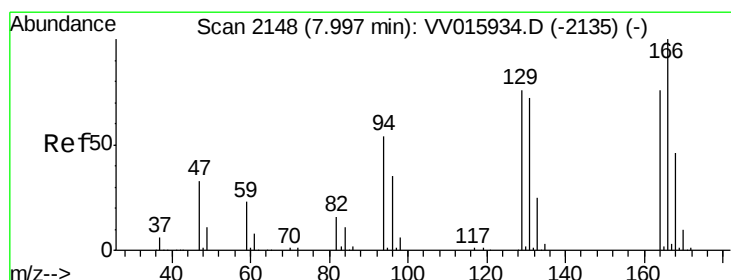
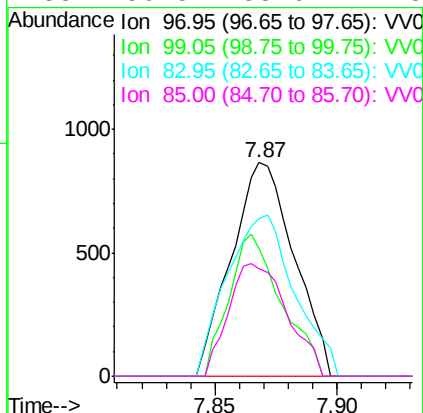
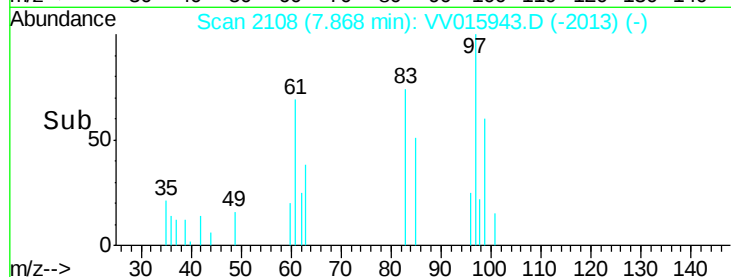
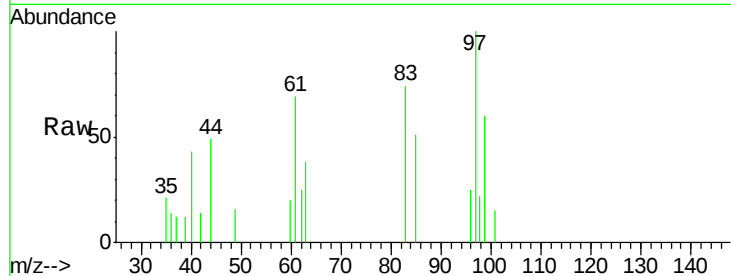
#47
 1,1,2-Trichloroethane
 Concen: 0.241 ug/L
 RT: 7.87 min Scan# 2108
 Delta R.T. 0.01 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion:	97	Resp:	1543
Ion	Ratio	Lower	Upper
97	100		
99	60.2	42.1	78.1
83	74.0	59.2	110.0
85	50.5	38.6	71.8

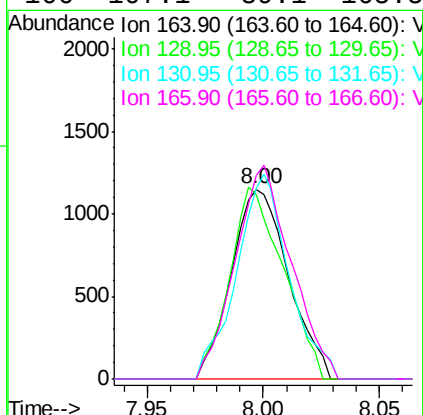
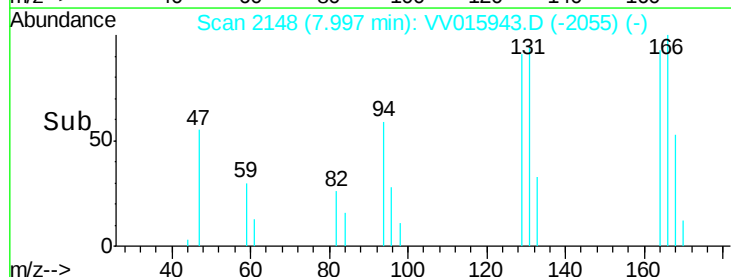
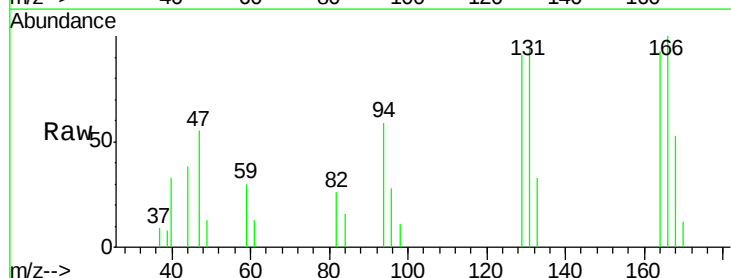
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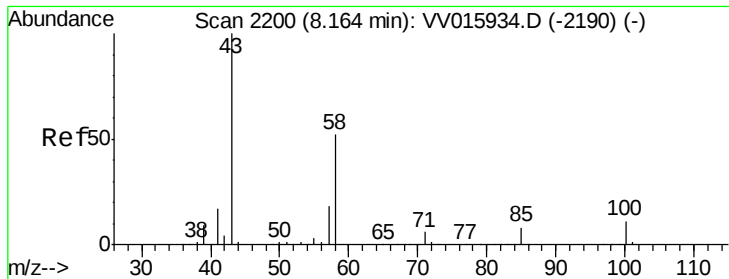
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#49
 Tetrachloroethene
 Concen: 0.262 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Tgt Ion:	164	Resp:	1970
Ion	Ratio	Lower	Upper
164	100		
129	97.0	69.7	129.4
131	100.8	66.8	124.2
166	107.1	89.1	165.5





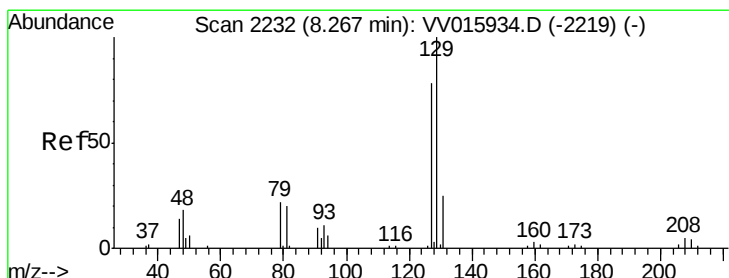
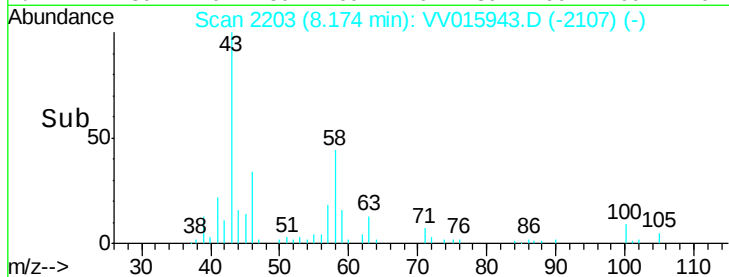
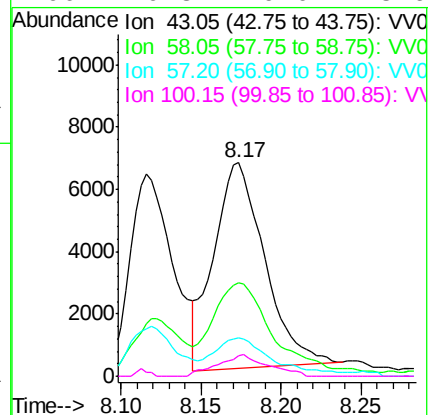
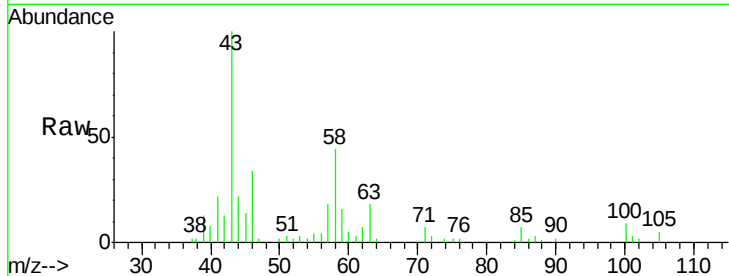
#50
2-Hexanone
Concen: 3.441 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.5	40.8	61.2
57	21.7	14.7	22.1
100	10.3	9.0	13.6

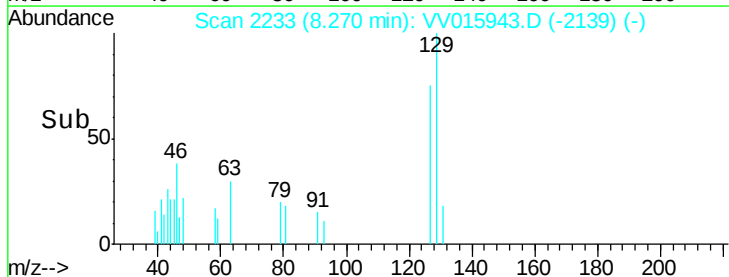
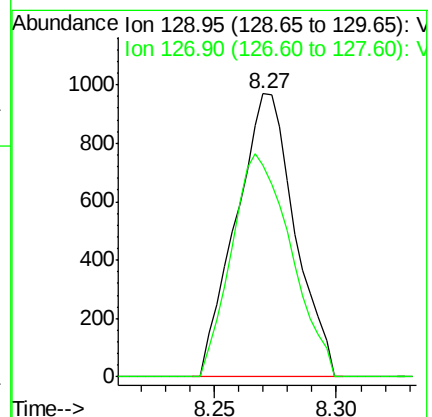
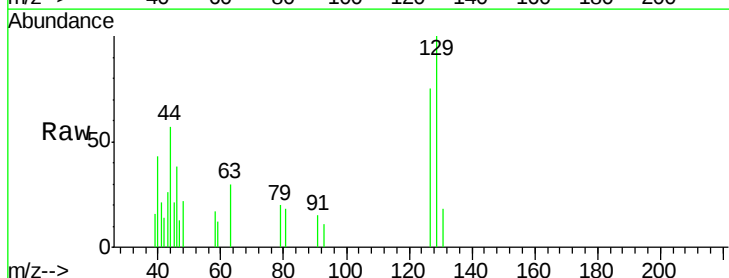
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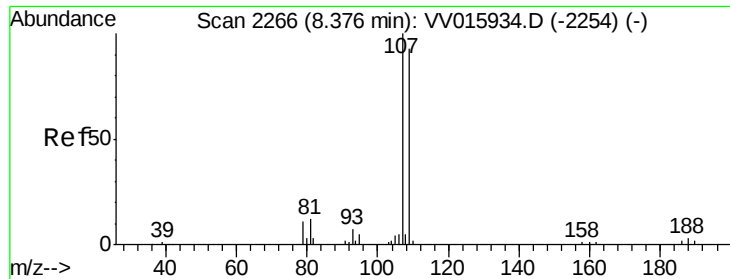
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#51
Dibromochloromethane
Concen: 0.225 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	56.0	104.0





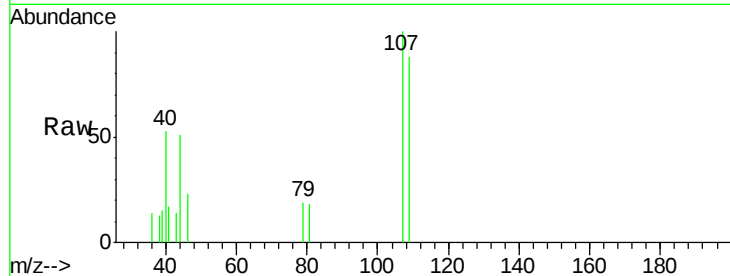
#52
1,2-Dibromoethane
Concen: 0.241 ug/L
RT: 8.38 min Scan# 2268
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Instrument :
MSVOA_V
ClientSampled :
MDL05

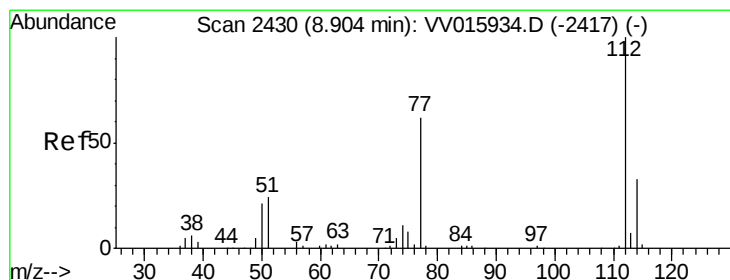
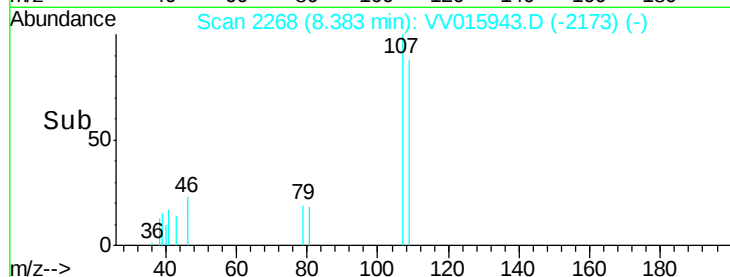
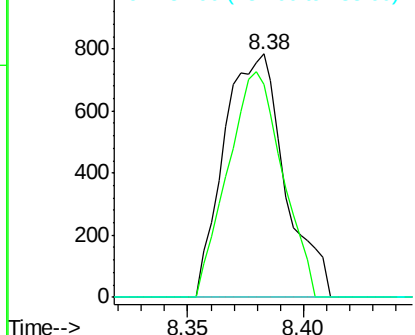
Tot Ion	Ratio	Lower	Upper
107	100		
109	87.6	68.9	127.9
188	0.0	2.7	4.1#

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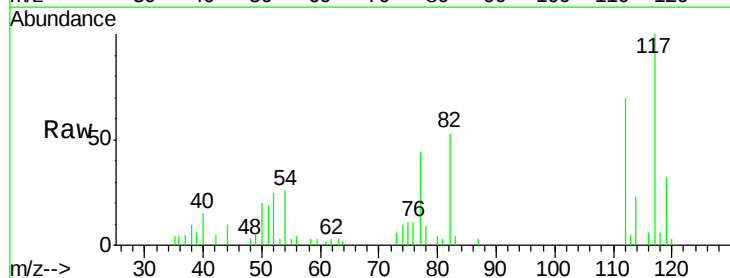


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

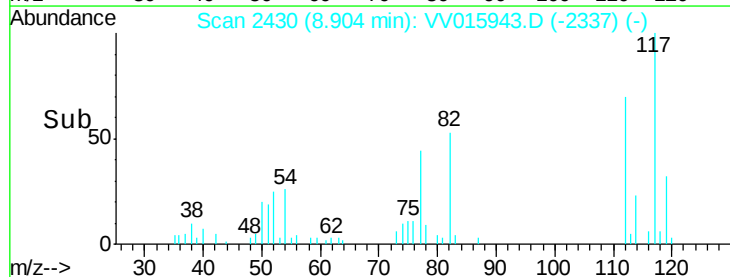
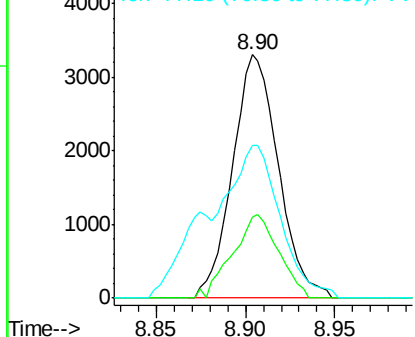


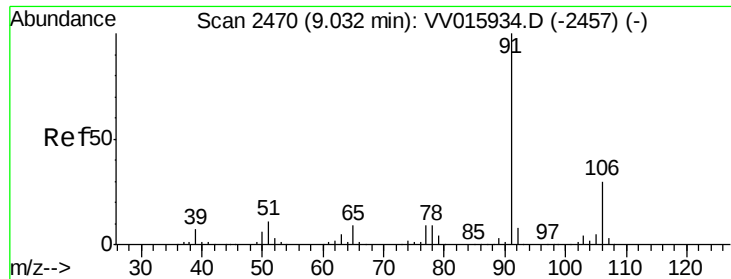
#53
Chlorobenzene
Concen: 0.231 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.3	21.6	40.0
77	63.0	48.6	73.0



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): VV0





#54

Ethylbenzene

Concen: 0.216 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Tot Ion: 91 Resp: 9808

Ion Ratio Lower Upper

91 100

106 27.7 20.6 38.4

Instrument :

MSVOA_V

ClientSampled :

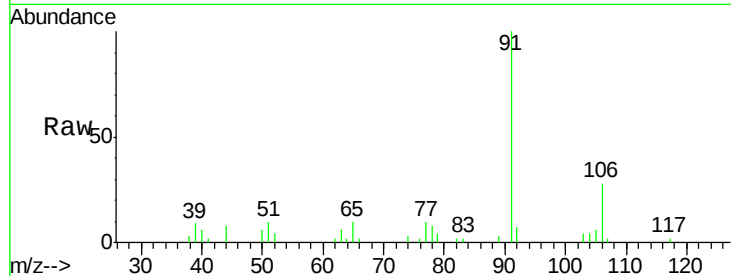
MDL05

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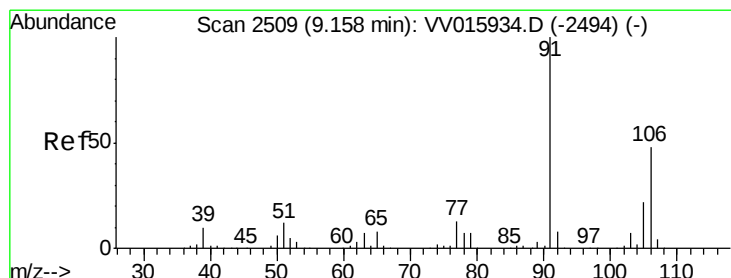
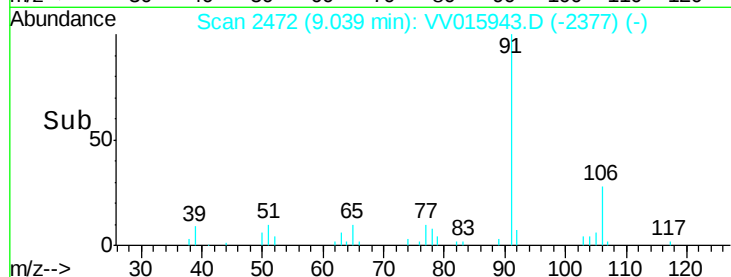
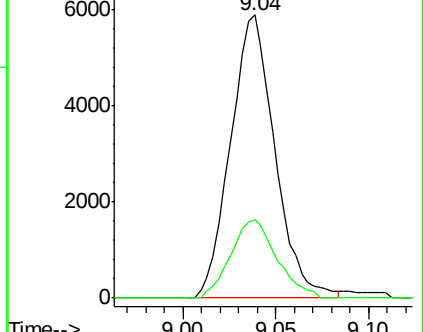
apatel

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Abundance Ion 91.15 (90.85 to 91.85): VV015943.D (-2472) (-)

Ion 106.15 (105.85 to 106.85): VV015943.D (-2472) (-)



#55

m,p-xylene

Concen: 0.218 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV015943.D

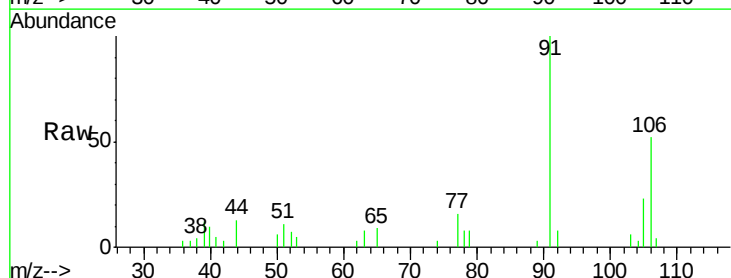
Acq: 07 May 2020 16:43

Tgt Ion: 106 Resp: 3661

Ion Ratio Lower Upper

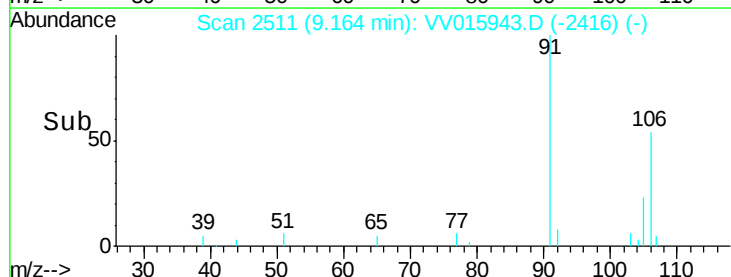
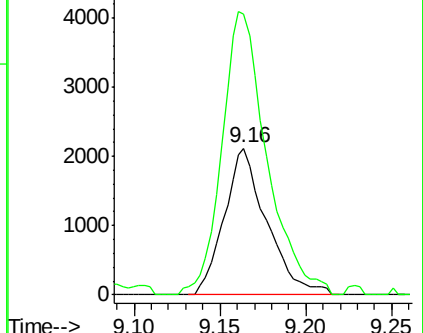
106 100

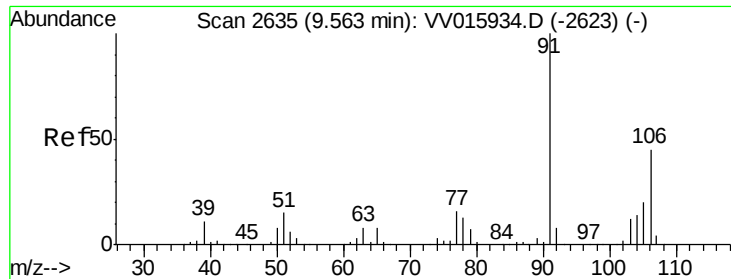
91 191.6 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015943.D (-2509) (-)

Ion 91.15 (90.85 to 91.85): VV015943.D (-2509) (-)





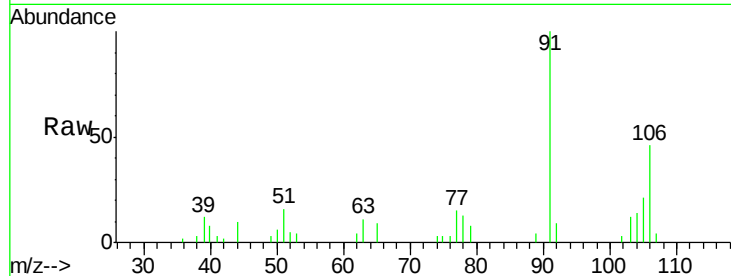
#56
o-xylene
Concen: 0.216 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Instrument :
MSVOA_V
ClientSampled :
MDL05

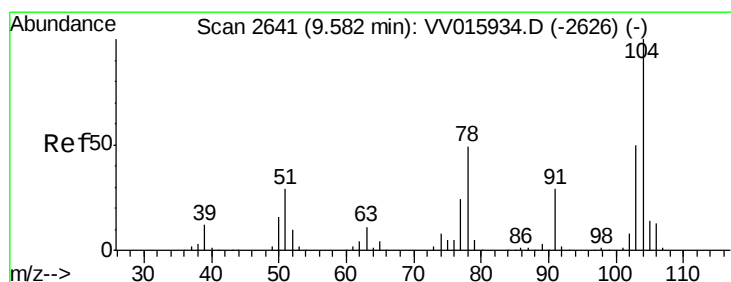
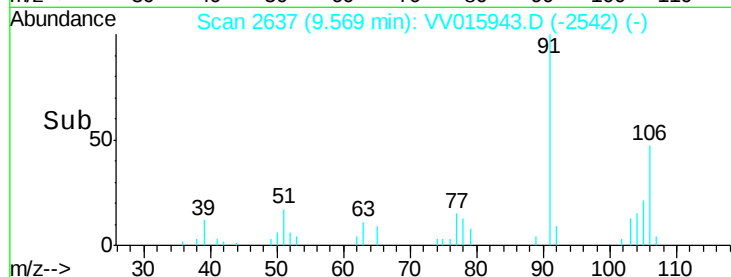
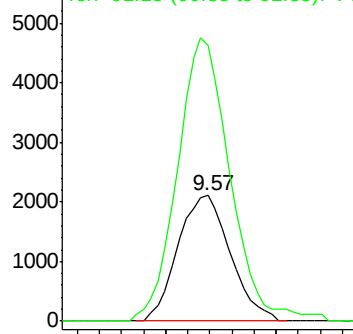
Tot Ion:106 Resp: 3478
Ion Ratio Lower Upper
106 100
91 219.3 159.7 296.5

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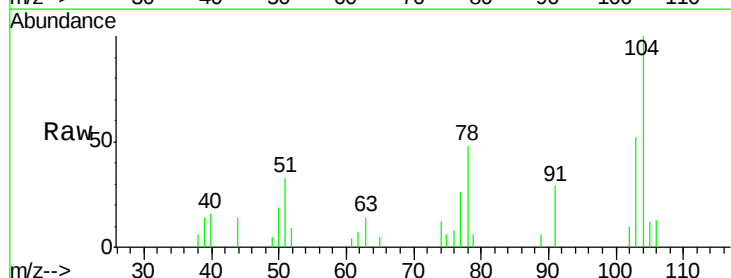


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

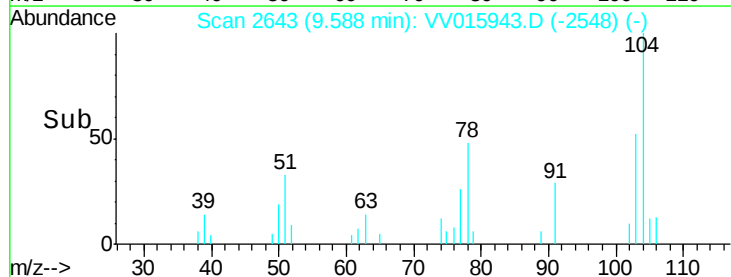
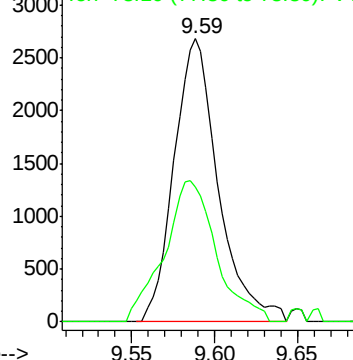


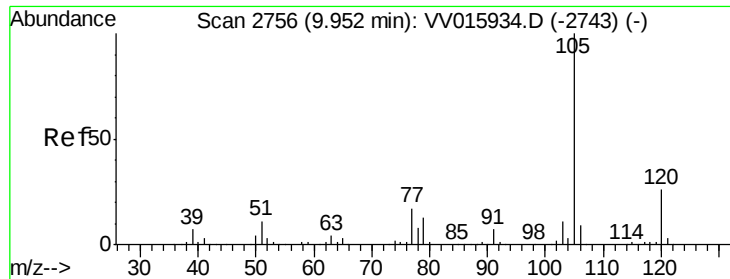
#57
Styrene
Concen: 0.185 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Tgt Ion:104 Resp: 4982
Ion Ratio Lower Upper
104 100
78 47.5 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 0.201 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

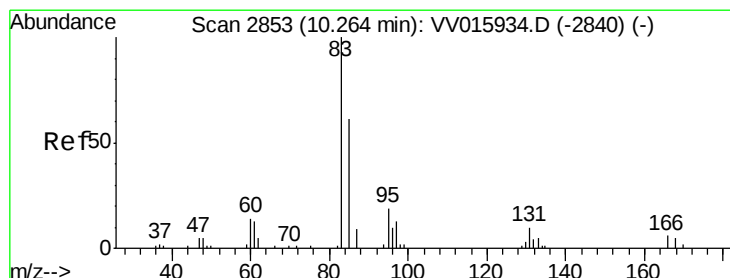
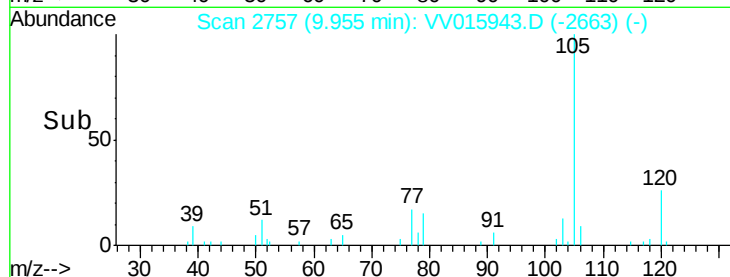
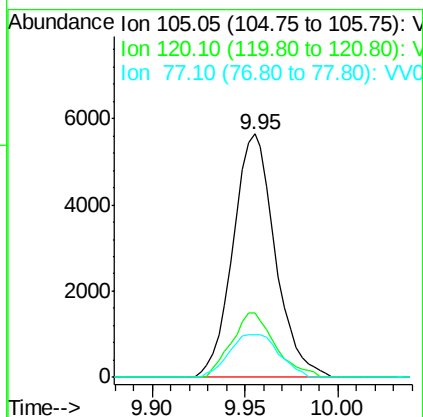
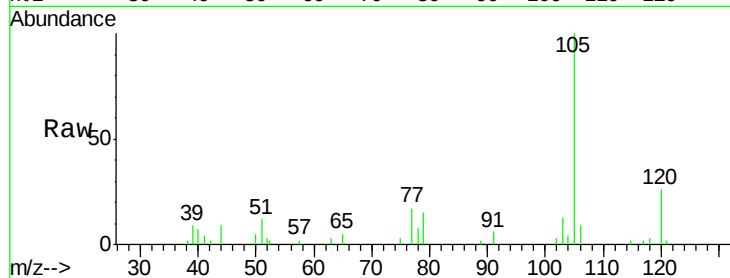
ClientSampled :

MDL05

Tot Ion:	105	Resp:	8889
Ion Ratio	Lower	Upper	
105	100		
120	27.4	20.8	31.2
77	20.8	14.1	21.1

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#60

1,1,2,2-Tetrachloroethane

Concen: 0.277 ug/L

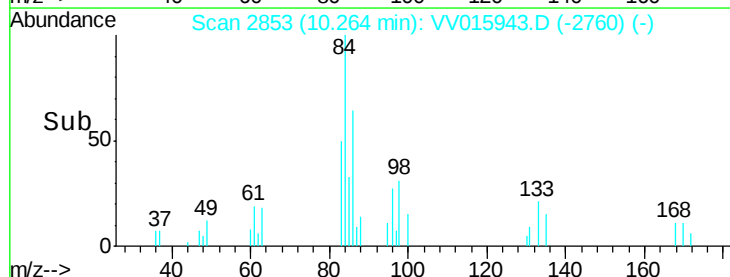
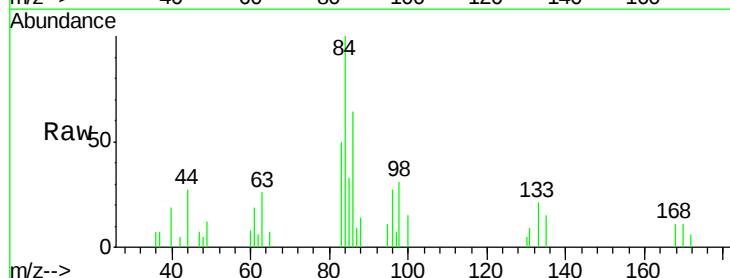
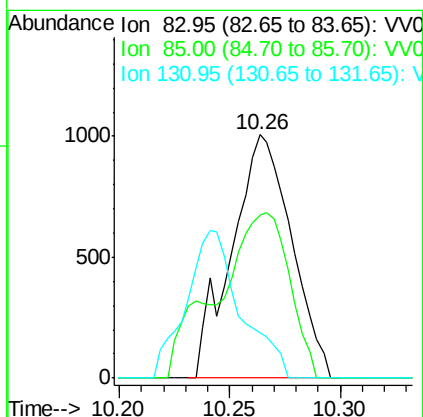
RT: 10.26 min Scan# 2853

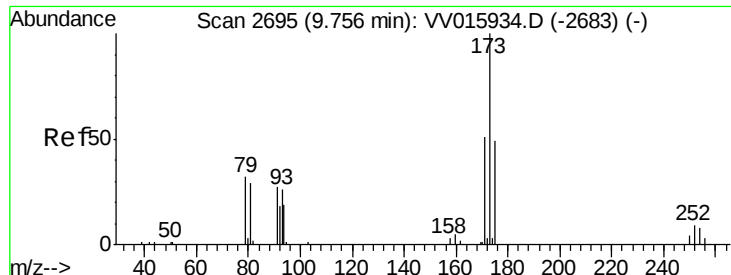
Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Tgt Ion:	83	Resp:	1892
Ion Ratio	Lower	Upper	
83	100		
85	66.7	44.0	81.6
131	18.7	7.7	11.5#





#62

Bromoform

Concen: 0.182 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

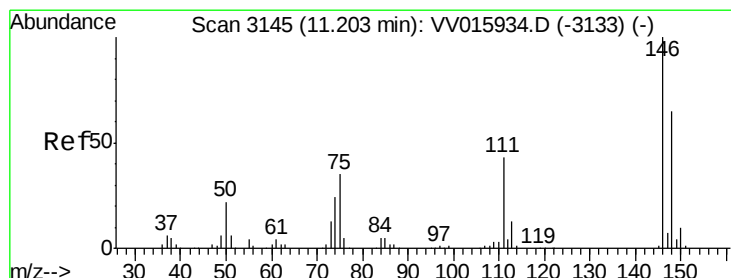
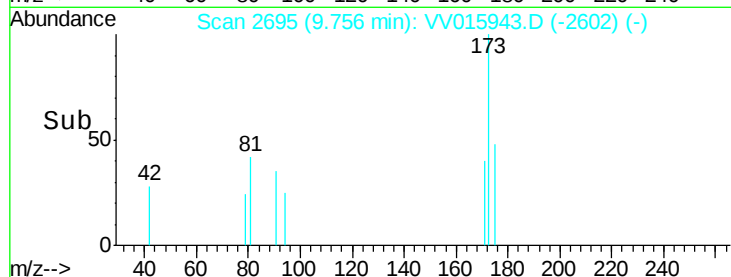
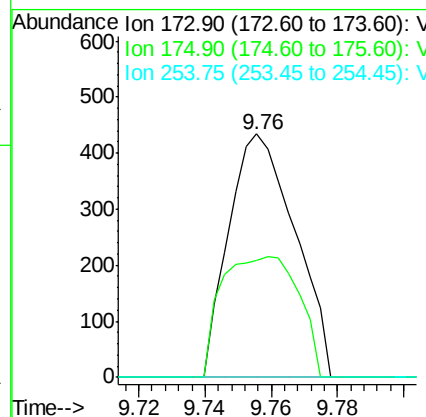
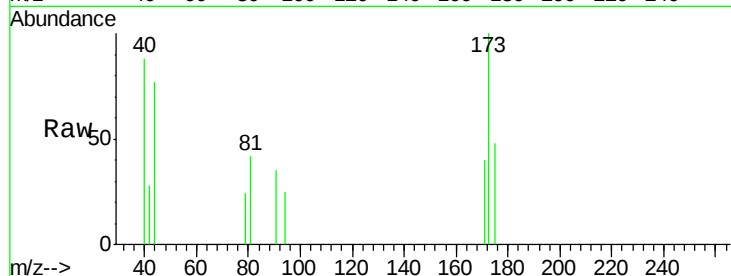
ClientSampled :

MDL05

Tot Ion	Ratio	Lower	Upper
173	100		
175	57.6	39.8	59.8
254	0.0	7.1	10.7

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#63

1,3-Dichlorobenzene

Concen: 0.227 ug/L

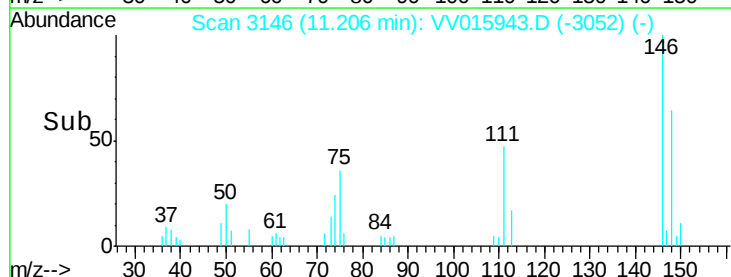
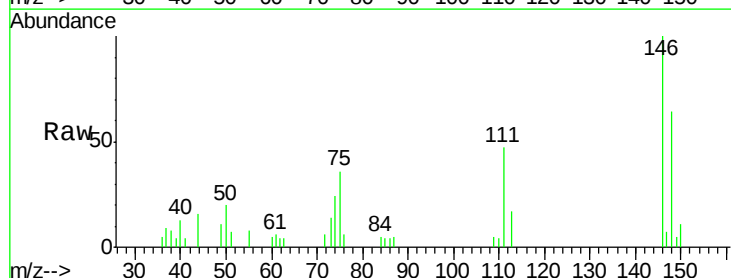
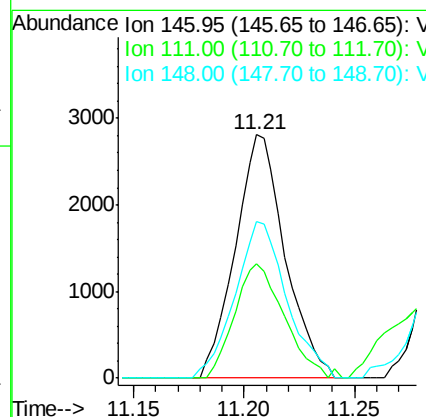
RT: 11.21 min Scan# 3146

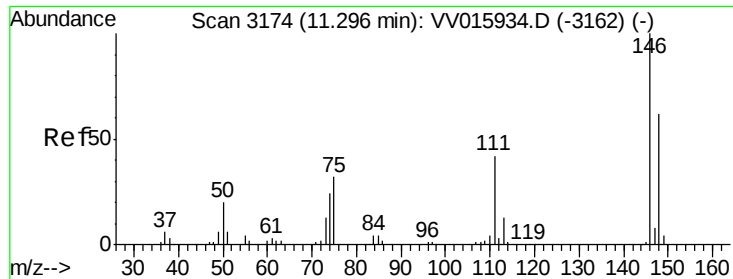
Delta R.T. 0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	28.7	53.3
148	64.2	44.0	81.8





#64

1,4-Dichlorobenzene

Concen: 0.253 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Instrument :

MSVOA_V

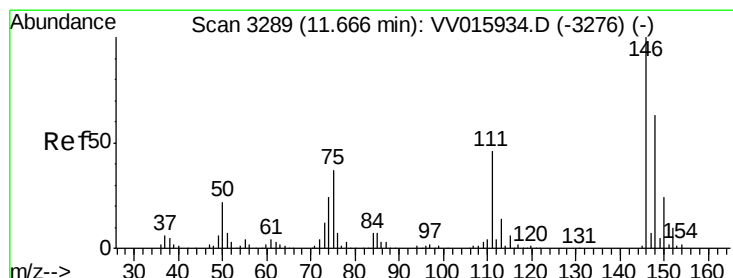
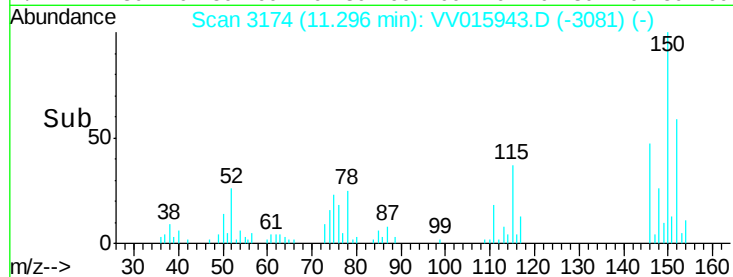
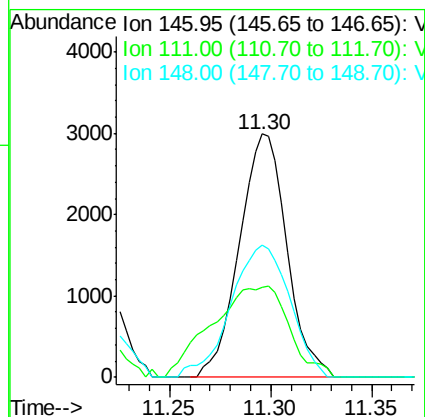
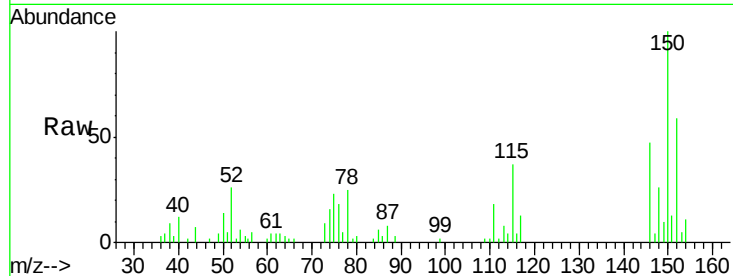
ClientSampled :

MDL05

Tot Ion:	146	Resp:	4927
Ion	Ratio	Lower	Upper
146	100		
111	37.2	28.9	53.7
148	54.3	44.6	82.8

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#66

1,2-Dichlorobenzene

Concen: 0.243 ug/L

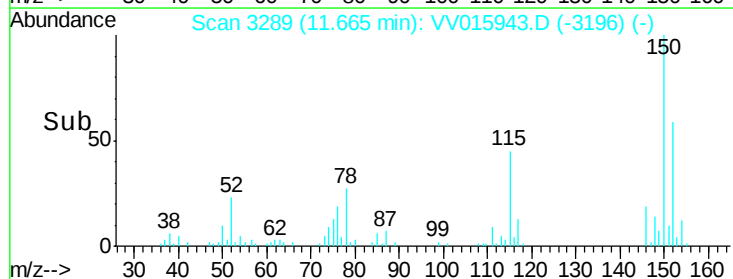
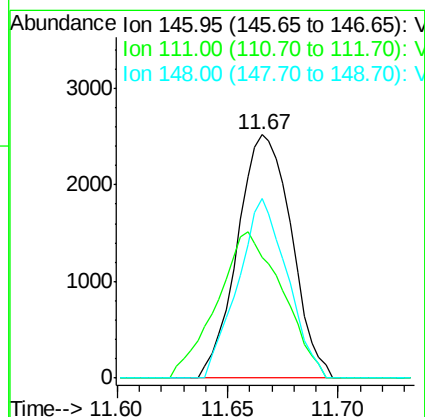
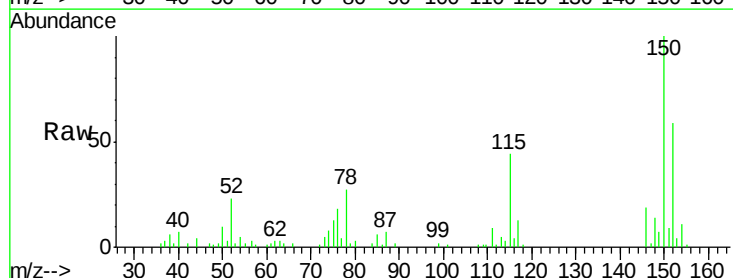
RT: 11.67 min Scan# 3289

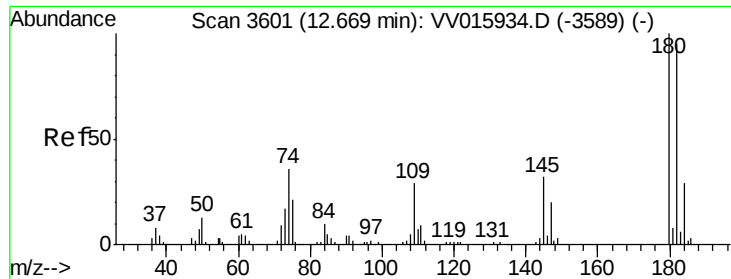
Delta R.T. -0.00 min

Lab File: VV015943.D

Acq: 07 May 2020 16:43

Tgt Ion:	146	Resp:	4262
Ion	Ratio	Lower	Upper
146	100		
111	49.3	37.0	55.4
148	73.9	49.8	74.6





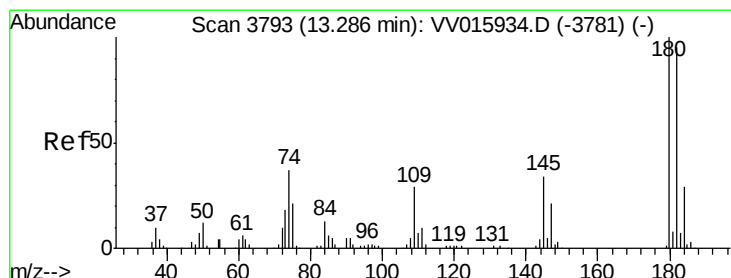
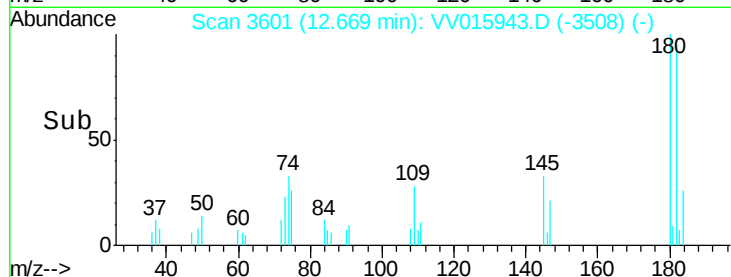
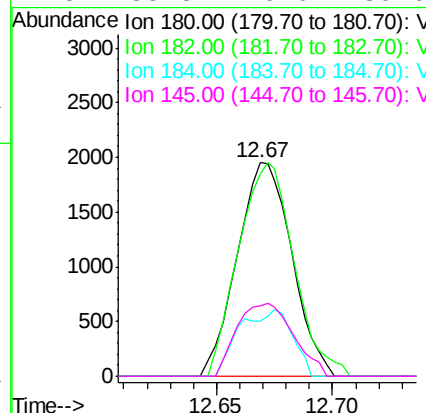
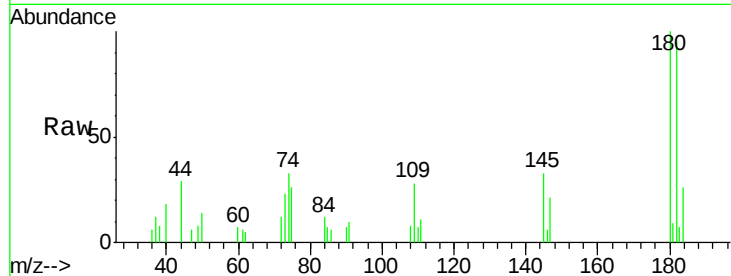
#68
 1,3,5-Trichlorobenzene
 Concen: 0.225 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	75.8	113.6
184	30.2	24.6	36.8
145	35.3	26.0	39.0

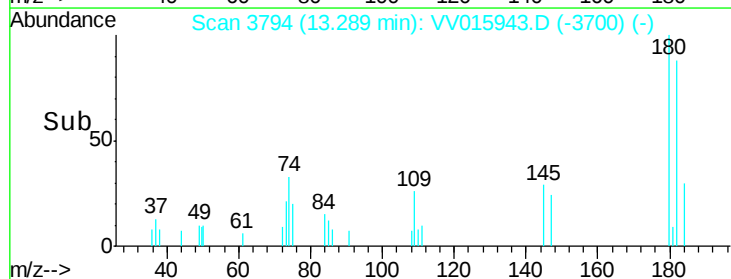
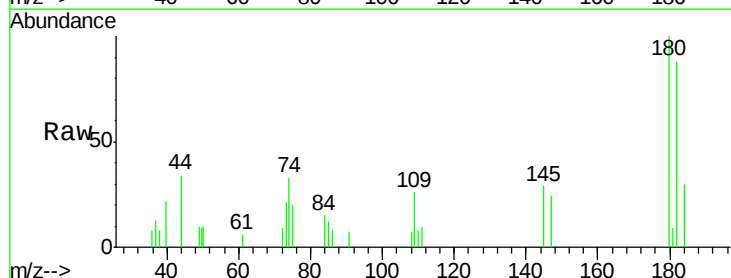
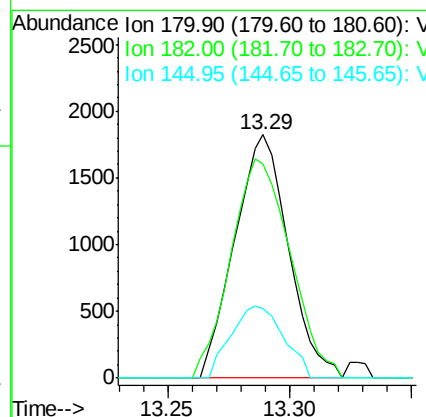
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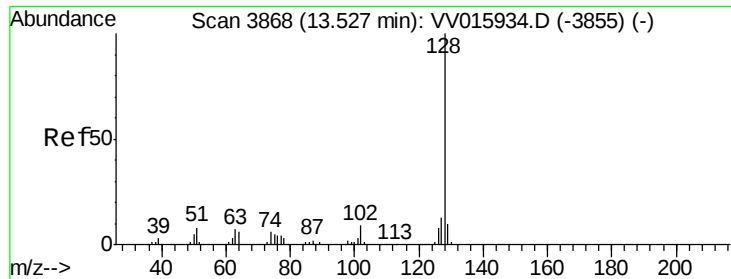
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#69
 1,2,4-trichlorobenzene
 Concen: 0.229 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015943.D
 Acq: 07 May 2020 16:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	76.7	115.1
145	28.9	26.4	39.6





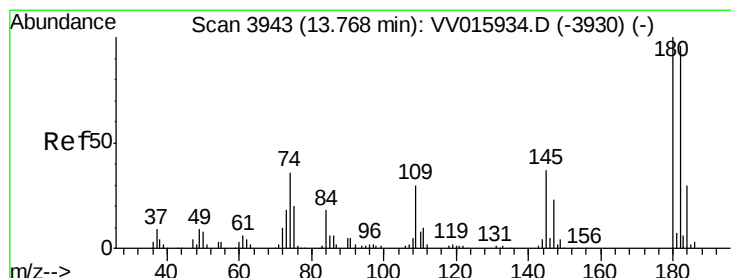
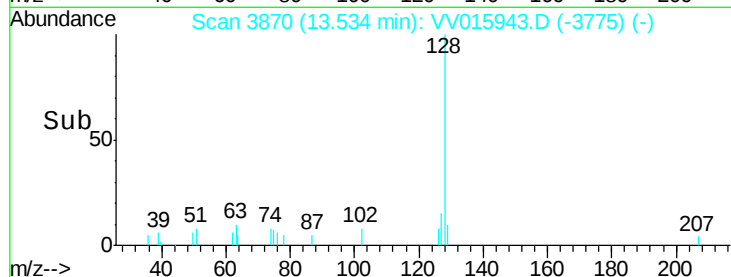
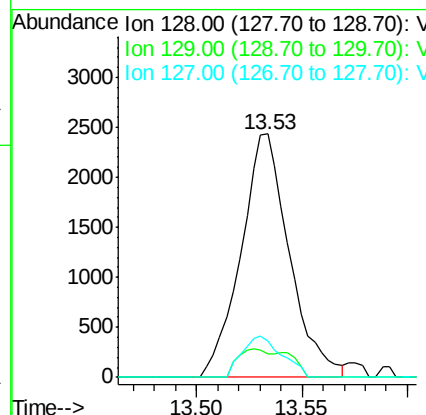
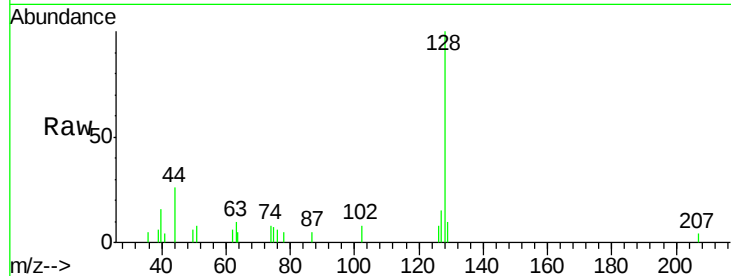
#70
Naphthalene
Concen: 0.201 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.5	12.7
127	14.0	10.2	15.2

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#71
1,2,3-Trichlorobenzene
Concen: 0.215 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VV015943.D
Acq: 07 May 2020 16:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	77.0	115.6
145	35.7	28.3	42.5

