

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050720\
 Data File : VV015940.D
 Acq On : 07 May 2020 15:10
 Operator : SY/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

apatel
 5/8/2020 12:58:08 PM

Quant Time: May 08 05:40:20 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	151431	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	148005	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69291	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38977	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	37004	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	63783	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.98	46	112958	48.20	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.40%
24) Chloroform-d	4.38	84	84785	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.06	65	51928	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.08	84	174859	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.09	67	56091	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.34	98	156157	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.64	79	19566	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
48) 2-Hexanone-d5	8.12	63	89256	48.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.32%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38480	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	58185	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2928	0.252 ug/L	98
3) Chloromethane	1.25	50	3272	0.279 ug/L	95
5) Vinyl chloride	1.32	62	3157	0.281 ug/L #	70
6) Bromomethane	1.53	94	1823	0.286 ug/L	87
8) Chloroethane	1.60	64	1747m	0.218 ug/L	
9) Trichlorofluoromethane	1.76	101	3632	0.236 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2916	0.335 ug/L #	86
12) 1,1-Dichloroethene	2.13	96	2472	0.297 ug/L #	1
13) Acetone	2.26	43	2487m	1.609 ug/L	
14) Carbon disulfide	2.31	76	6815	0.248 ug/L	96
15) Methyl Acetate	2.49	43	959m	0.268 ug/L	
16) Methylene chloride	2.53	84	2795	0.280 ug/L	94
17) Methyl tert-butyl Ether	2.79	73	5522	0.255 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	2383	0.259 ug/L	86
19) 1,1-Dichloroethane	3.22	63	4155	0.234 ug/L	91
21) 2-Butanone	4.06	43	4016m	1.706 ug/L	
22) cis-1,2-Dichloroethene	3.95	96	2332	0.242 ug/L	90

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

23) Bromochloromethane	4.28	128	947m	0.230	ug/L	
25) Chloroform	4.41	83	11829	0.606	ug/L	100
27) 1,2-Dichloroethane	5.17	62	3073	0.256	ug/L #	76
29) 1,1,1-Trichloroethane	4.64	97	4032	0.247	ug/L	93
30) Cyclohexane	4.70	56	4054	0.248	ug/L #	86
31) Carbon tetrachloride	4.86	117	3365	0.239	ug/L	89
33) Benzene	5.13	78	9431	0.253	ug/L	100
34) Trichloroethene	5.95	95	2707	0.255	ug/L	95
35) Methylcyclohexane	6.15	83	4093	0.255	ug/L	98
37) 1,2-Dichloropropane	6.20	63	2486	0.263	ug/L #	87
38) Bromodichloromethane	6.54	83	2799	0.233	ug/L #	93
39) cis-1,3-Dichloropropene	7.05	75	2936	0.220	ug/L	94
40) 4-Methyl-2-pentanone	7.26	43	13077	2.218	ug/L #	89
42) Toluene	7.41	91	9581	0.243	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	7254	0.200	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	7212	0.199	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	2686m	0.238	ug/L	
47) 1,1,2-Trichloroethane	7.87	97	1542	0.244	ug/L	92
49) Tetrachloroethene	8.00	164	1950	0.263	ug/L	95
50) 2-Hexanone	8.17	43	15325	3.675	ug/L	97
51) Dibromochloromethane	8.27	129	1667	0.235	ug/L	86
52) 1,2-Dibromoethane	8.38	107	1374	0.235	ug/L #	95
53) Chlorobenzene	8.90	112	6145	0.242	ug/L	98
54) Ethylbenzene	9.04	91	10484	0.234	ug/L	99
55) m,p-xylene	9.16	106	3567	0.215	ug/L	94
56) o-xylene	9.57	106	3539	0.223	ug/L	96
57) Styrene	9.59	104	5560	0.209	ug/L	97
58) Isopropylbenzene	9.95	105	9614	0.220	ug/L	96
60) 1,1,2,2-Tetrachloroethane	10.26	83	2161	0.320	ug/L #	90
62) Bromoform	9.76	173	728	0.229	ug/L #	92
63) 1,3-Dichlorobenzene	11.21	146	4959	0.266	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	5074	0.271	ug/L	91
66) 1,2-Dichlorobenzene	11.67	146	4713	0.279	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	3428	0.251	ug/L	93
69) 1,2,4-trichlorobenzene	13.28	180	2938	0.251	ug/L	92
70) Naphthalene	13.53	128	4852	0.260	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	2585	0.250	ug/L	94

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

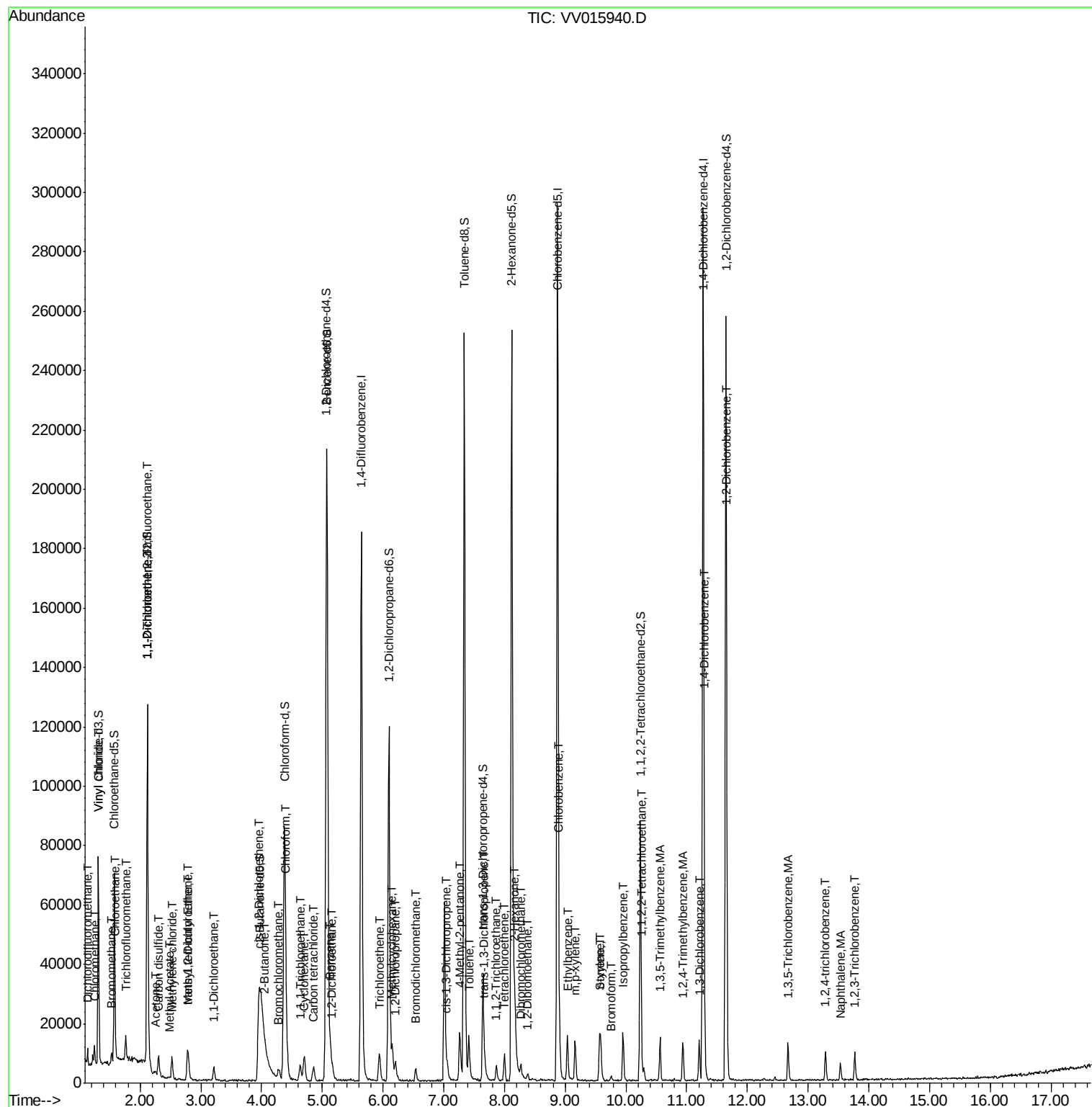
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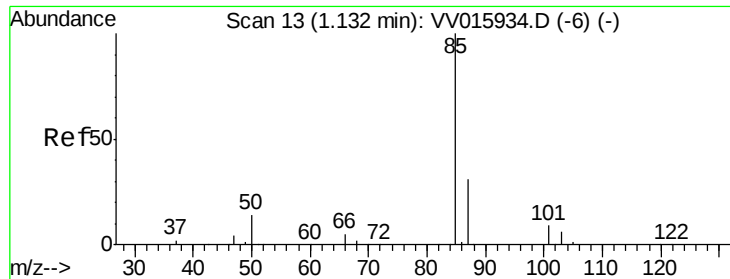
Instrument :
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 ClientSampleID :
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#2

Dichlorodifluoromethane

Concen: 0.252 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 85 Resp: 2928

Ion Ratio Lower Upper

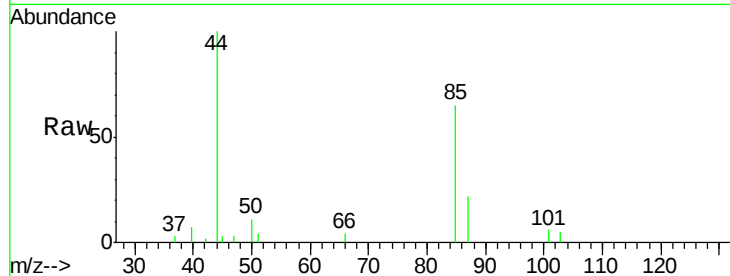
85 100

87 34.3 26.4 39.6

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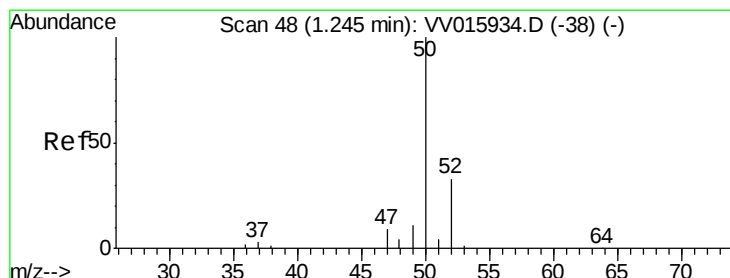
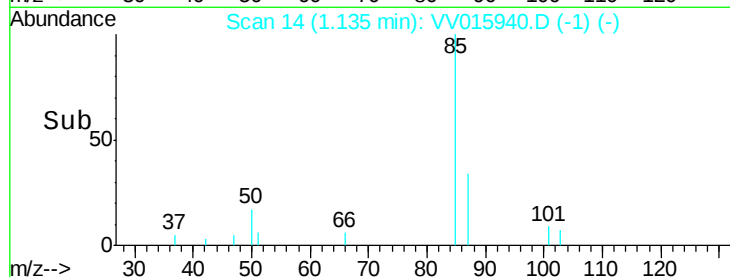
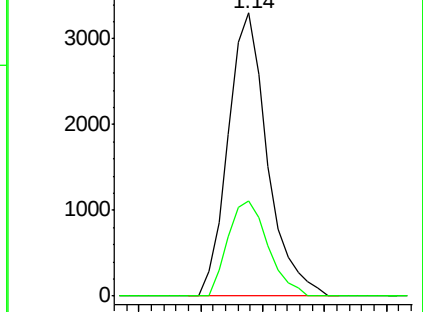
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Abundance Ion 85.00 (84.70 to 85.70): VV015934.D (-6) (-)

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



#3

Chloromethane

Concen: 0.279 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015940.D

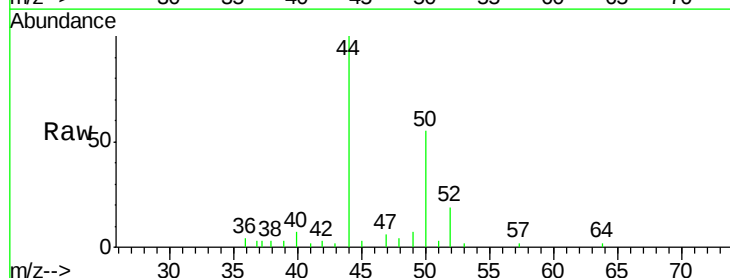
Acq: 07 May 2020 15:10

Tgt Ion: 50 Resp: 3272

Ion Ratio Lower Upper

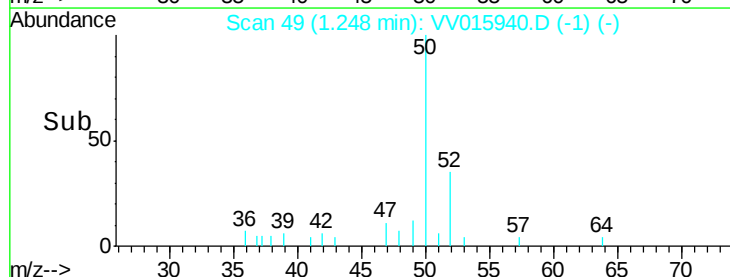
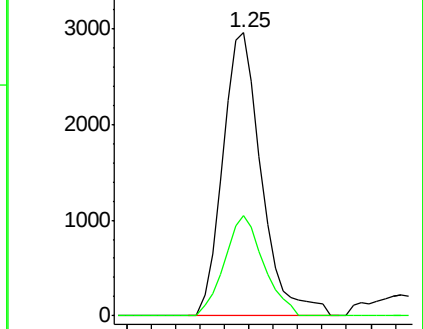
50 100

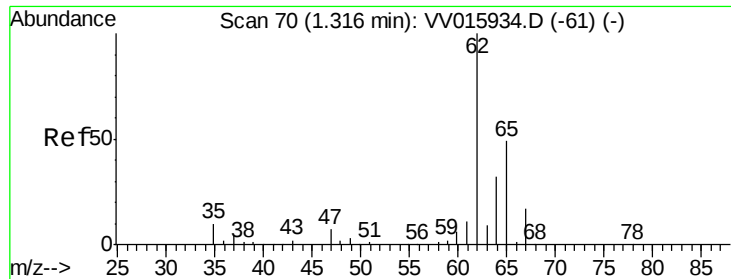
52 35.3 22.8 42.4



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: 0.281 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 62 Resp: 3157

Ion Ratio Lower Upper

62 100

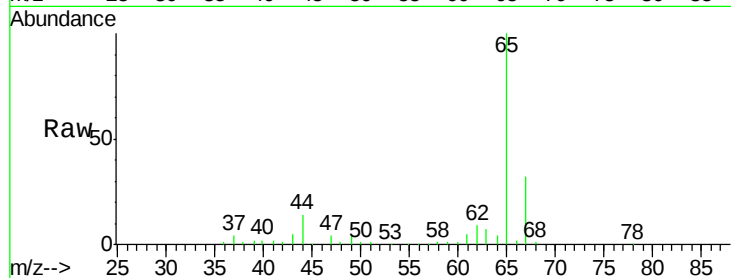
64 48.7 22.4 41.6#

Manual Integrations

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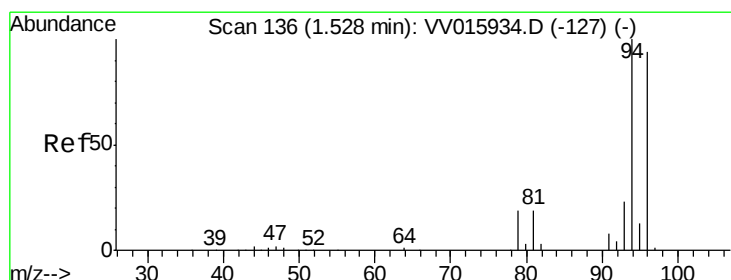
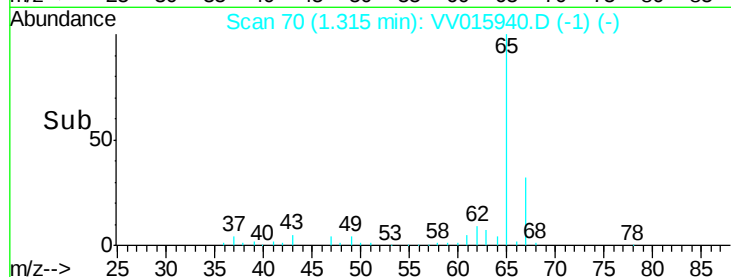
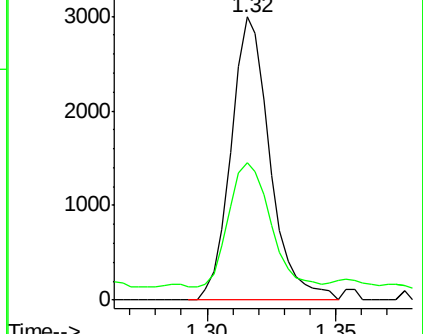
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.286 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015940.D

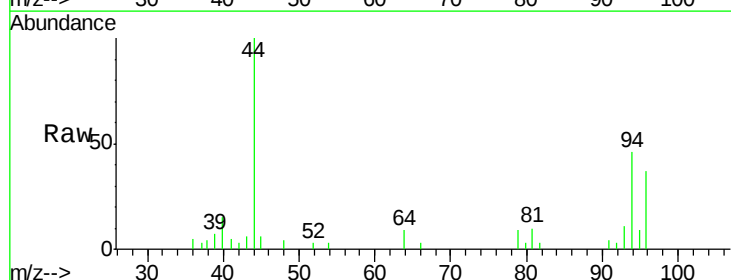
Acq: 07 May 2020 15:10

Tgt Ion: 94 Resp: 1823

Ion Ratio Lower Upper

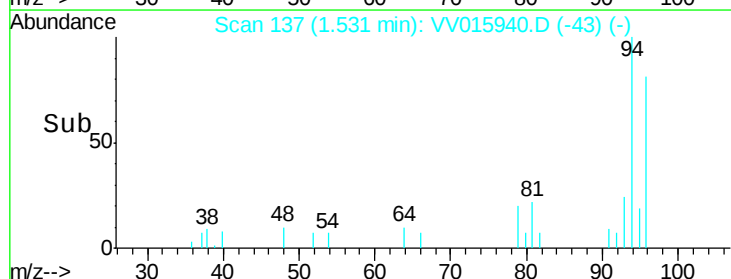
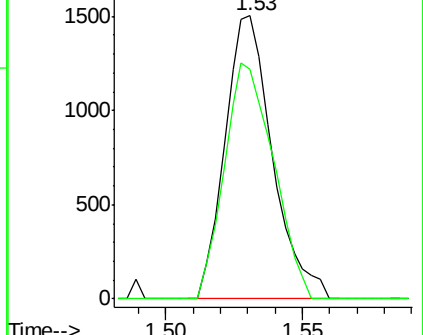
94 100

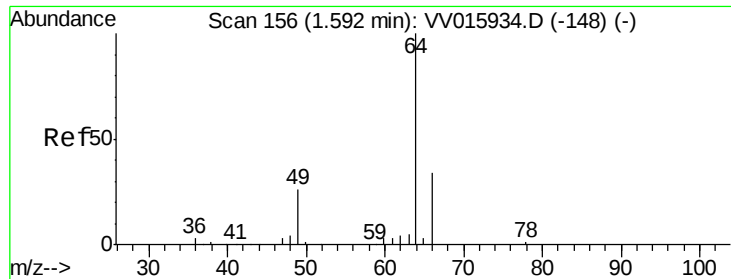
96 81.3 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.218 ug/L m

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 64 Resp: 1747

Ion Ratio Lower Upper

64 100

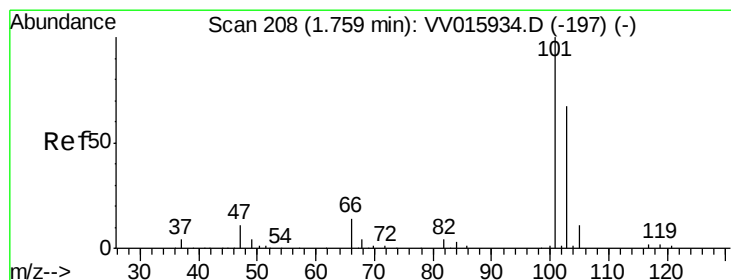
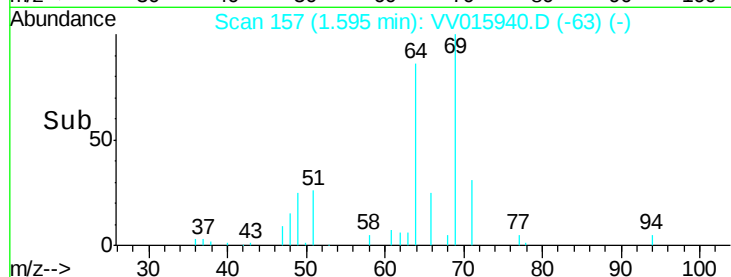
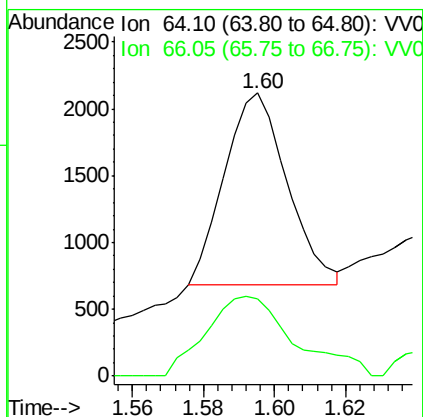
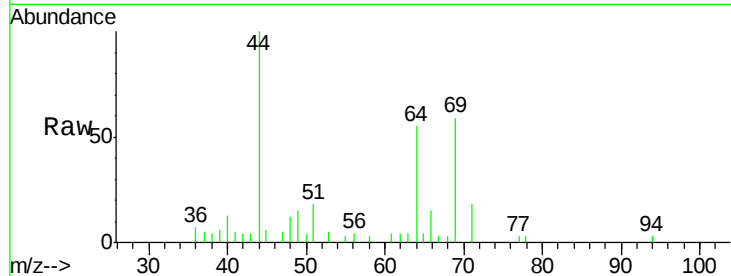
66 27.1 23.6 43.8

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.236 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015940.D

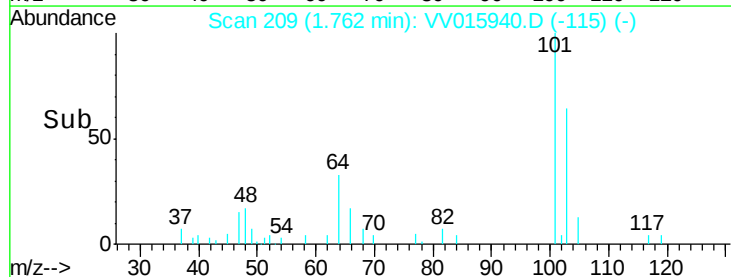
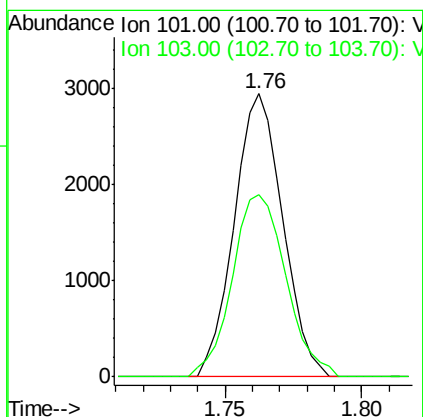
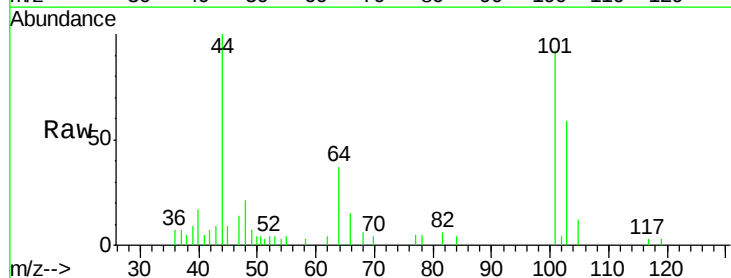
Acq: 07 May 2020 15:10

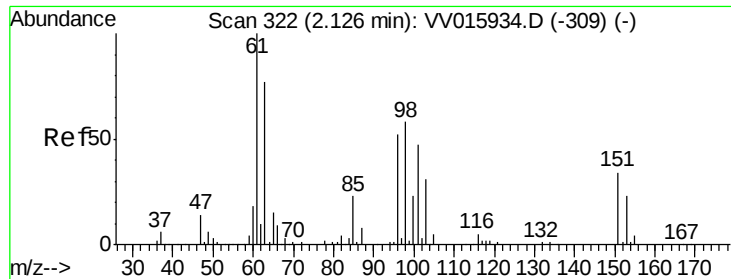
Tgt Ion: 101 Resp: 3632

Ion Ratio Lower Upper

101 100

103 71.4 51.4 77.2





#10

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

Concen: 0.335 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

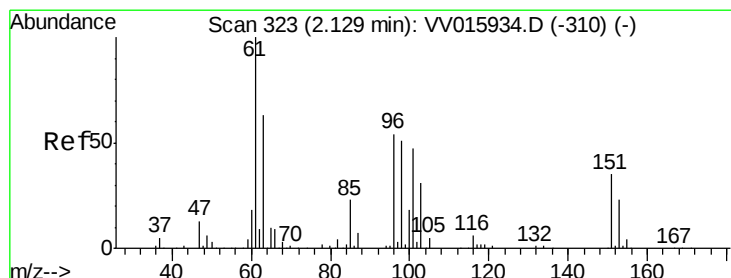
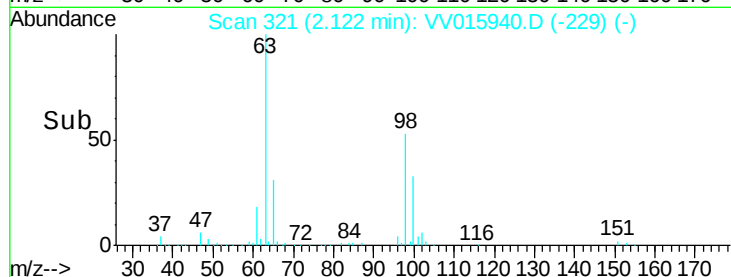
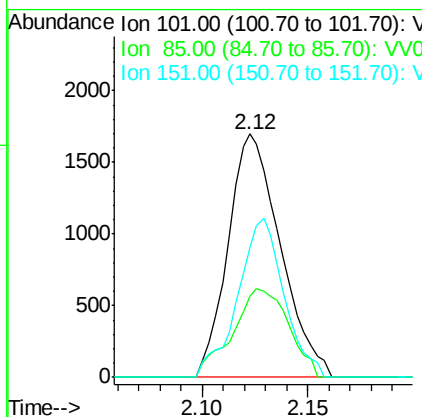
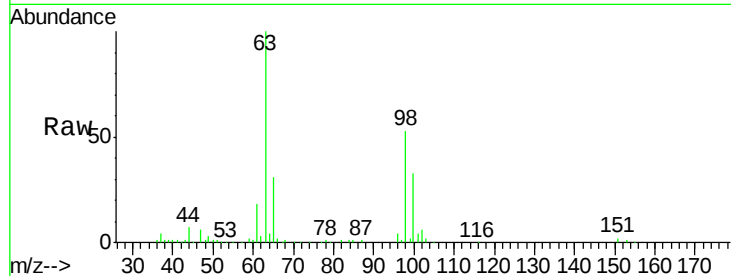
ClientSampled :

MDL02

Tot Ion:	101	Resp:	2916
Ion Ratio	Lower	Upper	
101	100		
85	39.0	35.7	53.5
151	57.9	58.0	87.0#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.297 ug/L

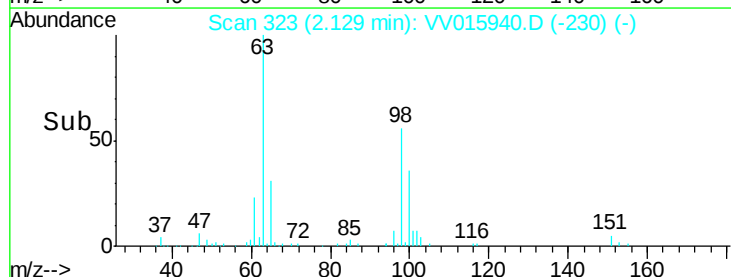
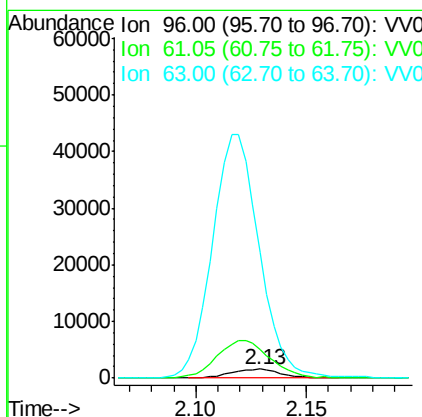
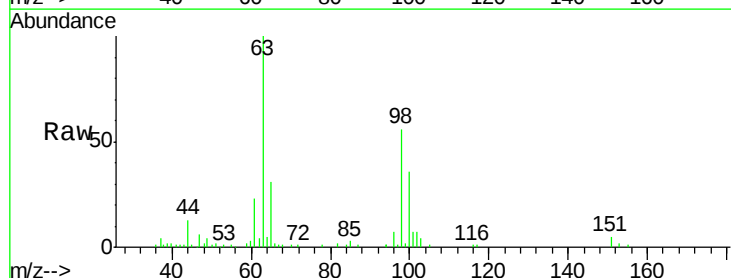
RT: 2.13 min Scan# 323

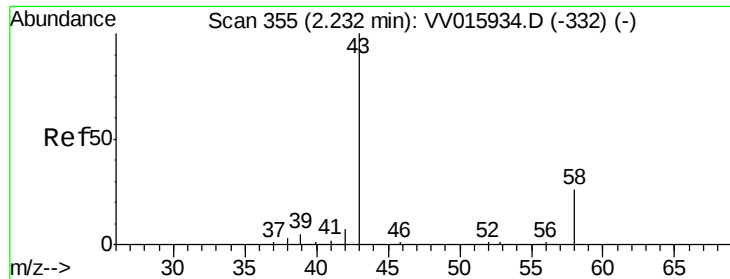
Delta R.T. -0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Tgt Ion:	96	Resp:	2472
Ion Ratio	Lower	Upper	
96	100		
61	328.9	139.9	259.7#
63	1428.4	106.4	197.6#





#13

Acetone

Concen: 1.609 ug/L m

RT: 2.26 min Scan# 363

Delta R.T. 0.03 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 2487

Ion Ratio Lower Upper

43 100

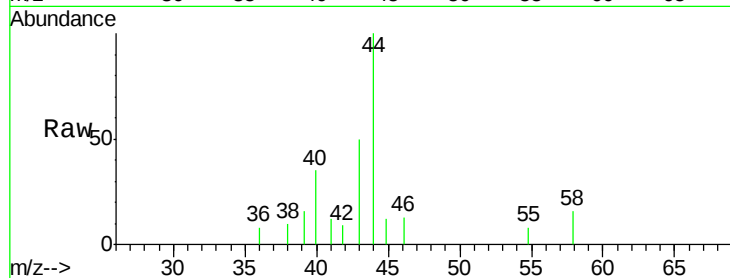
58 3.1 0.0 30.8

Manual Integrations

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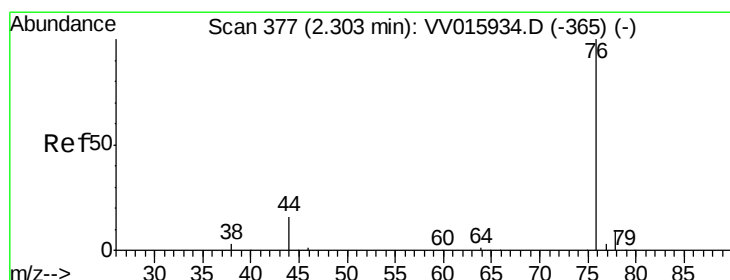
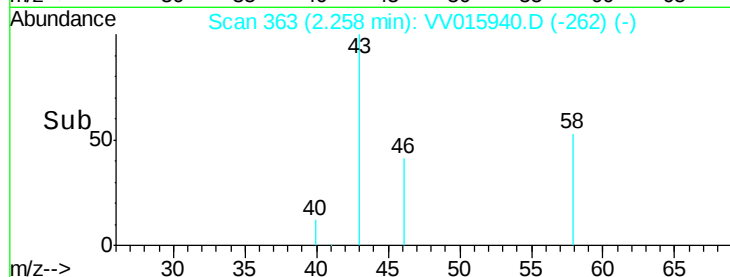
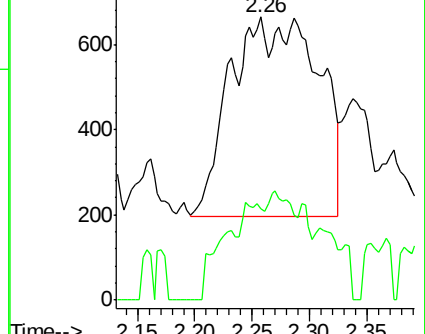
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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.248 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015940.D

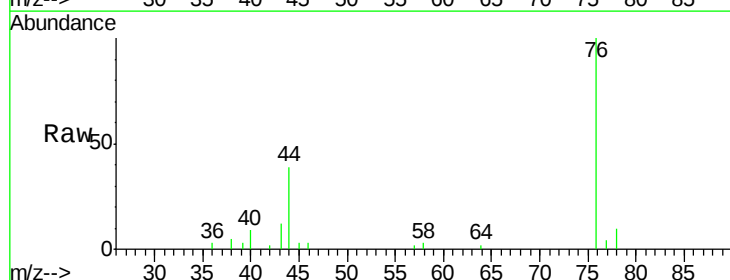
Acq: 07 May 2020 15:10

Tgt Ion: 76 Resp: 6815

Ion Ratio Lower Upper

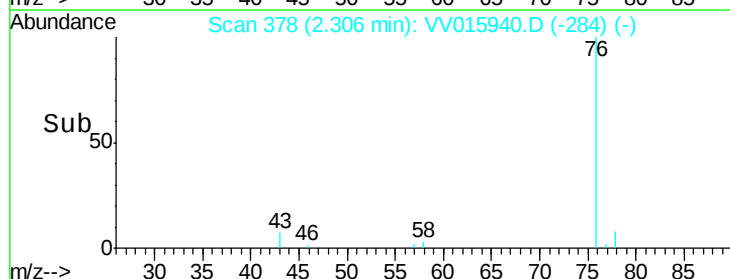
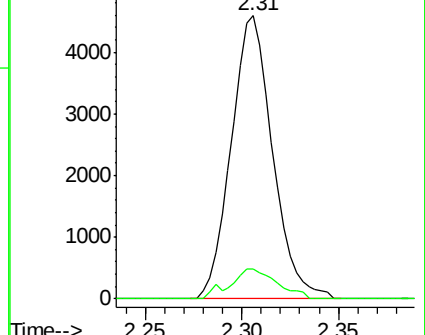
76 100

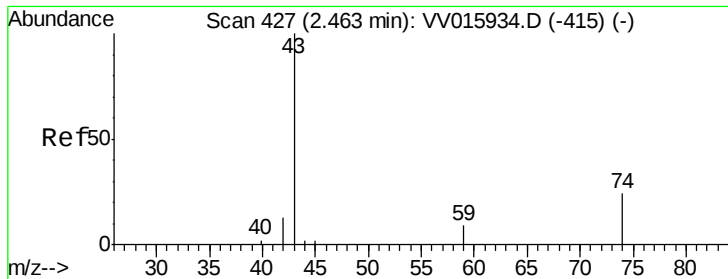
78 10.4 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 0.268 ug/L m

RT: 2.49 min Scan# 435

Delta R.T. 0.03 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

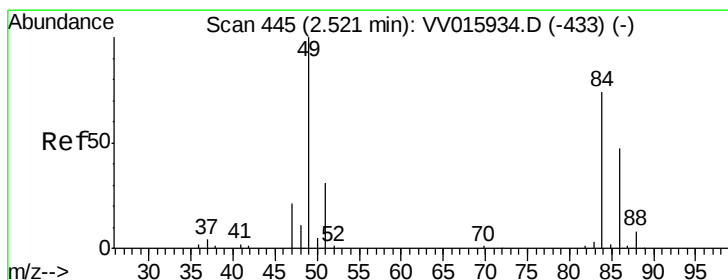
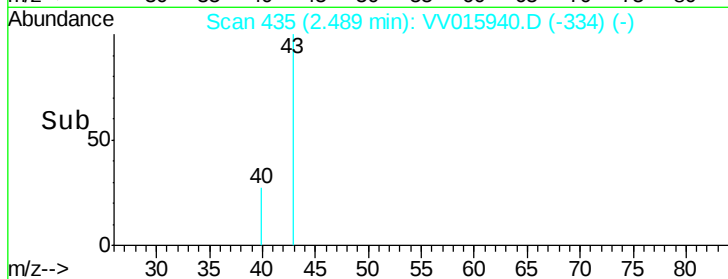
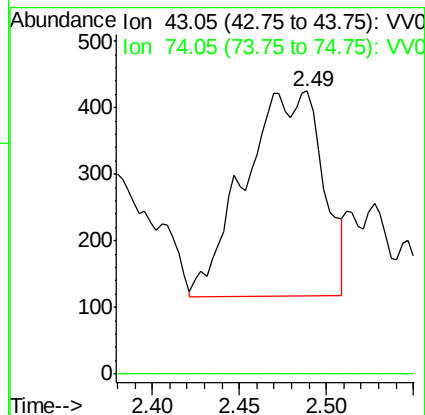
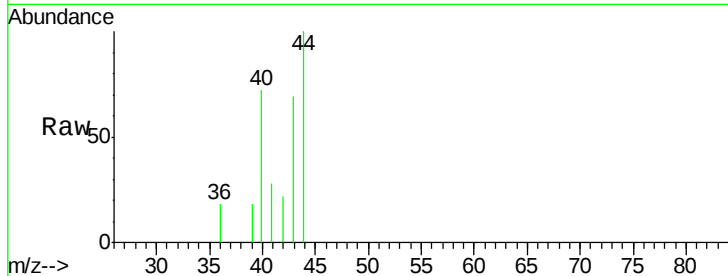
74 0.0 19.2 28.8#

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#16

Methylene chloride

Concen: 0.280 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

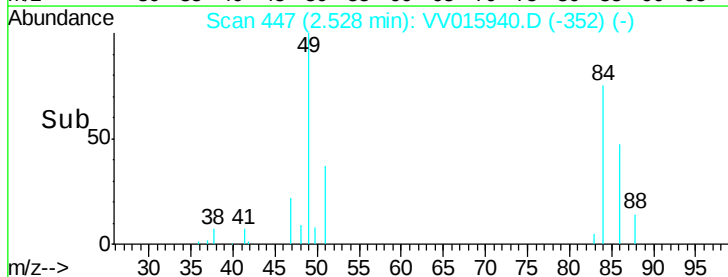
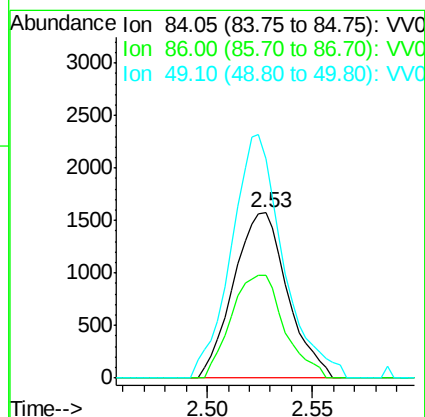
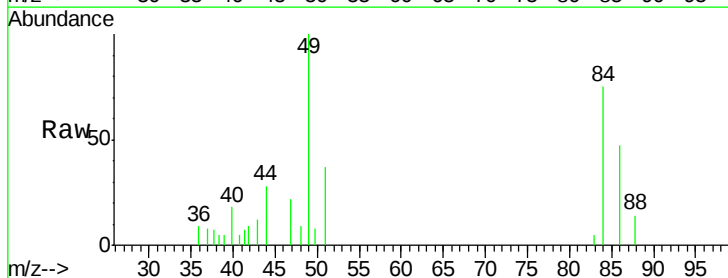
Tgt Ion: 84 Resp: 2795

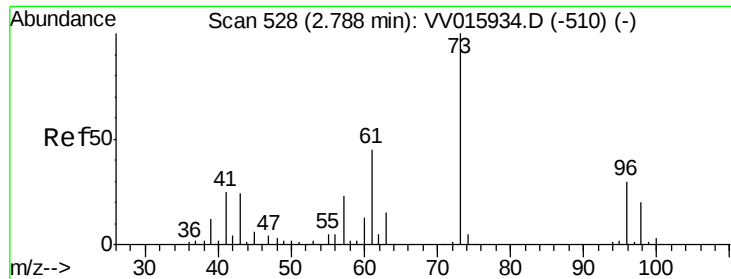
Ion Ratio Lower Upper

84 100

86 62.2 45.6 84.8

49 142.8 93.6 173.8





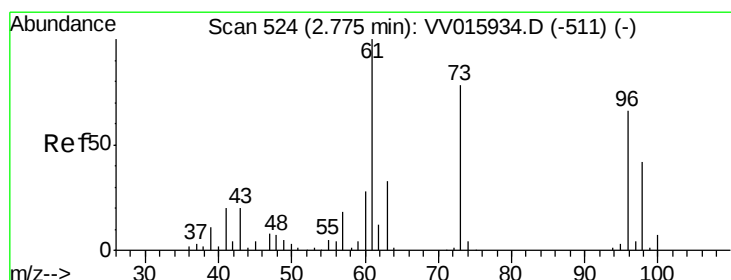
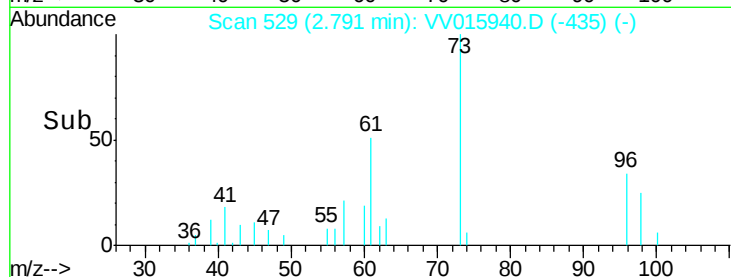
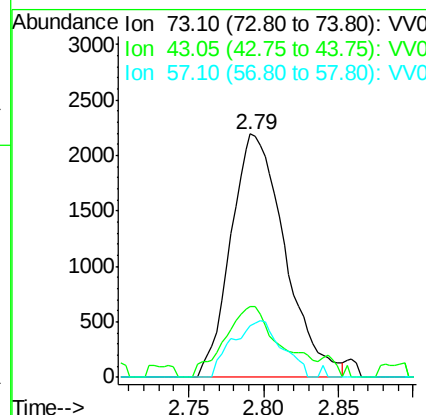
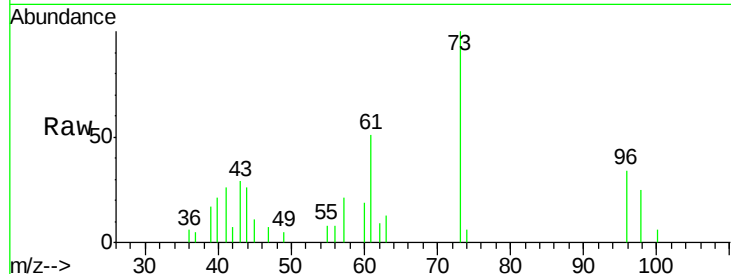
#17
Methvl tert-butvl Ether
Concen: 0.255 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015940.D
Acq: 07 May 2020 15:10

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion: 73 Resp: 5522
Ion Ratio Lower Upper
73 100
43 29.8 18.8 28.2#
57 21.2 17.8 26.6

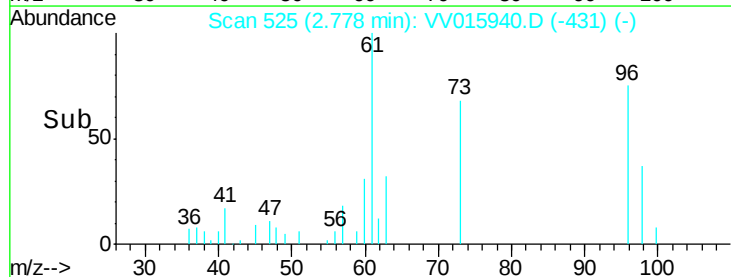
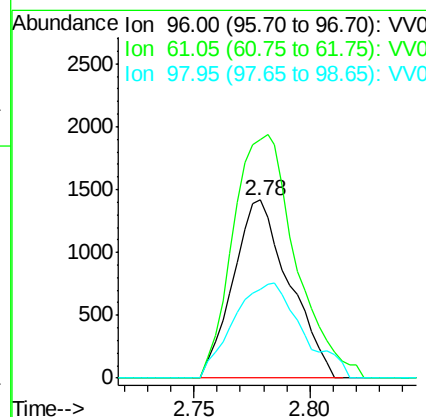
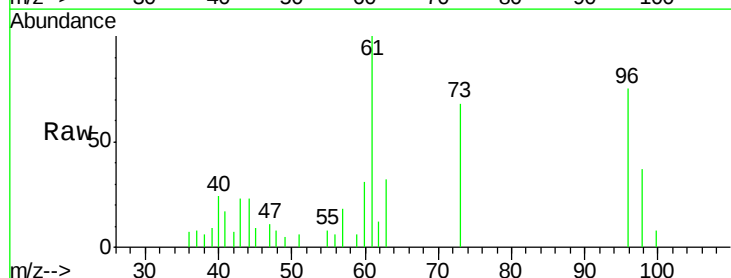
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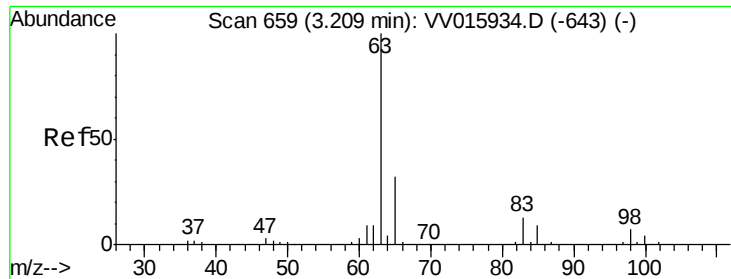
apatel
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#18
trans-1,2-Dichloroethene
Concen: 0.259 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015940.D
Acq: 07 May 2020 15:10

Tgt Ion: 96 Resp: 2383
Ion Ratio Lower Upper
96 100
61 134.0 105.3 195.5
98 49.5 44.0 81.6





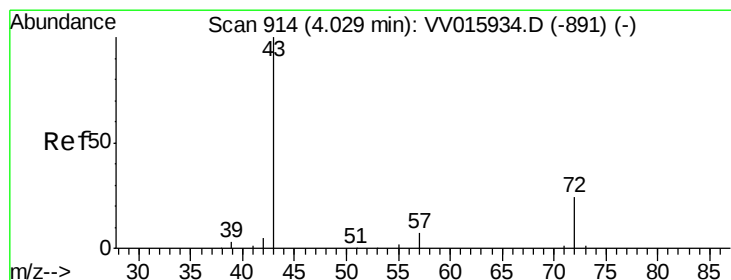
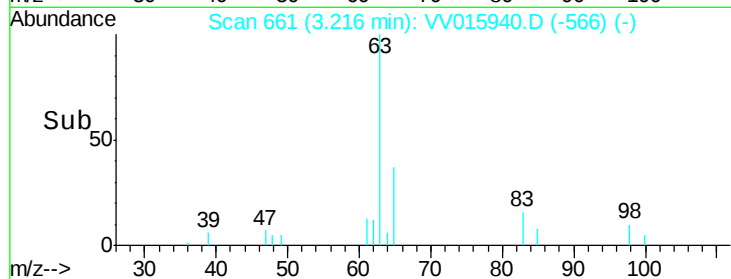
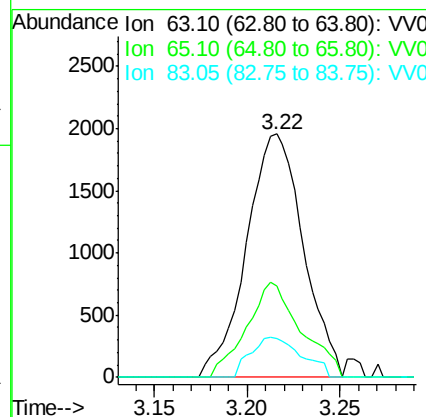
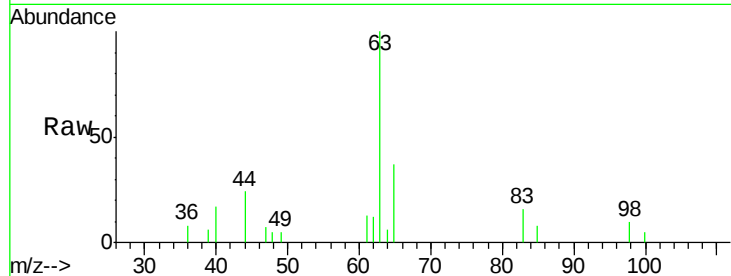
#19
 1,1-Dichloroethane
 Concen: 0.234 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	37.5	22.0	41.0
83	15.7	9.8	18.2

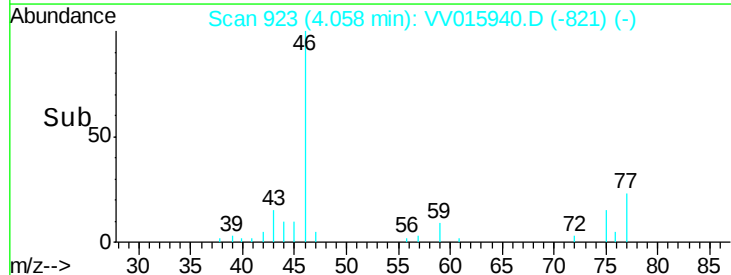
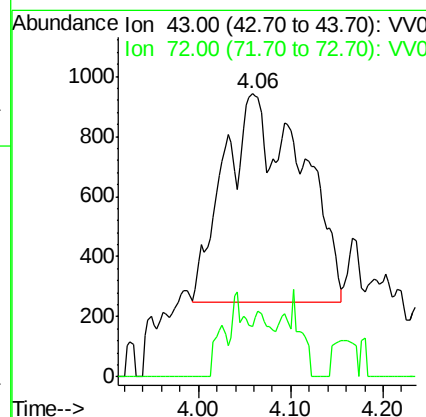
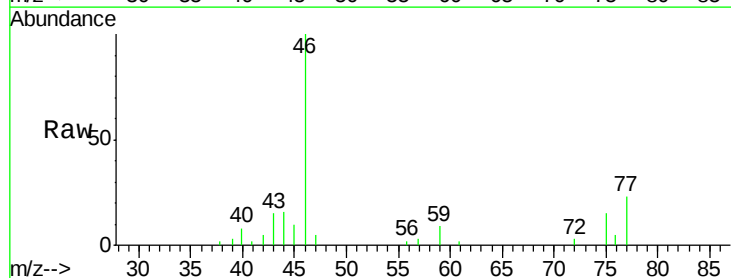
Manual Integrations
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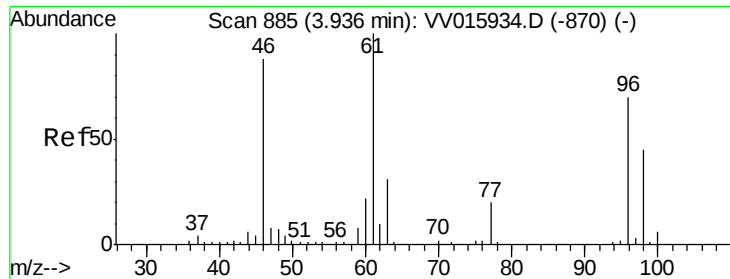
apatel
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#21
 2-Butanone
 Concen: 1.706 ug/L m
 RT: 4.06 min Scan# 923
 Delta R.T. 0.03 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	4.0	10.5	31.5#





#22

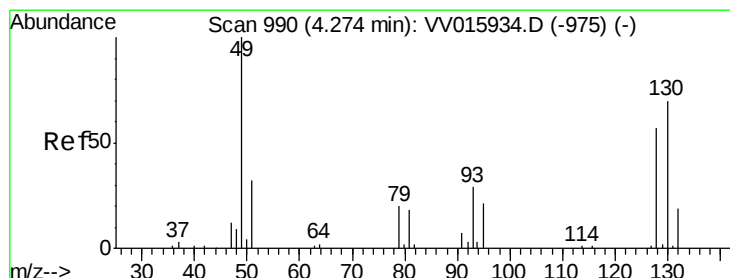
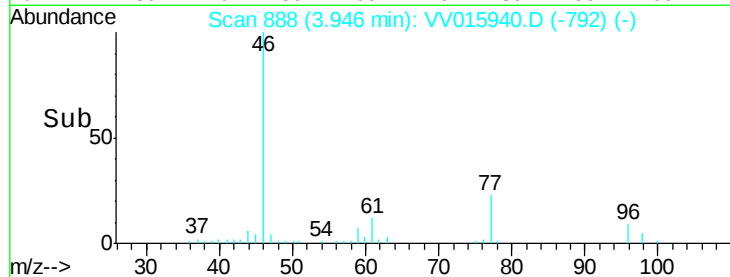
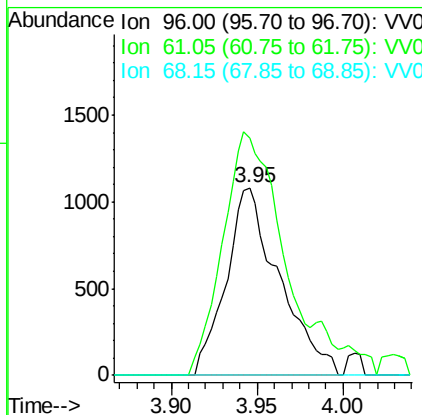
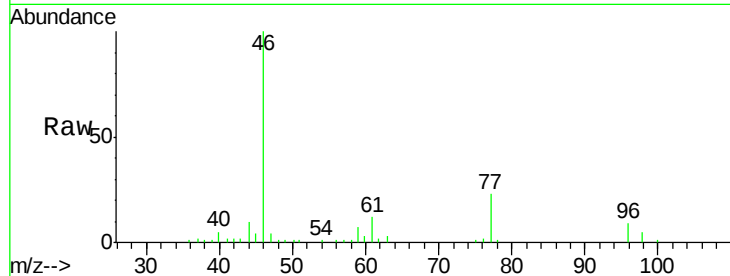
cis-1,2-Dichloroethene
 Concen: 0.242 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	97.2	180.6
68	0.0	0.0	0.0

Manual Integrations
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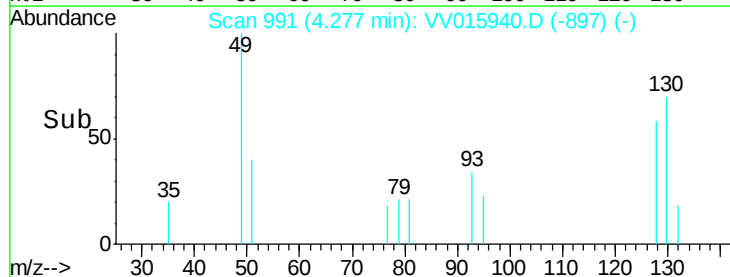
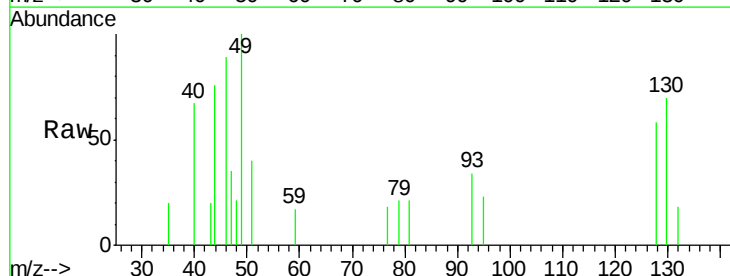
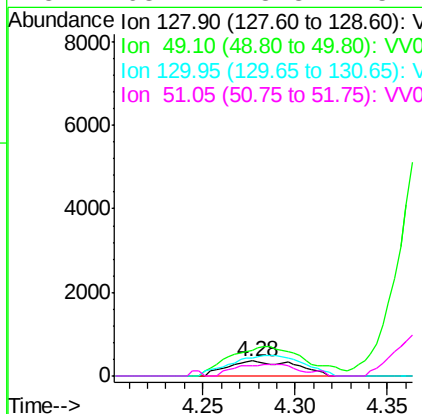
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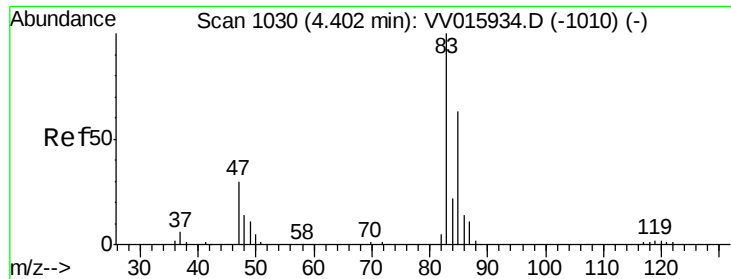


#23

Bromochloromethane
 Concen: 0.230 ug/L m
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Tgt Ion	Ratio	Lower	Upper
128	100		
49	171.8	131.3	243.8
130	120.7	91.8	170.4
51	68.2	48.8	73.2





#25

Chloroform

Concen: 0.606 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 83 Resp: 11829

Ion Ratio Lower Upper

83 100

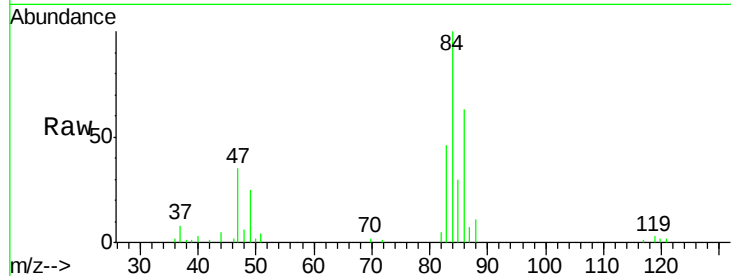
85 65.7 45.7 84.9

Manual Integrations

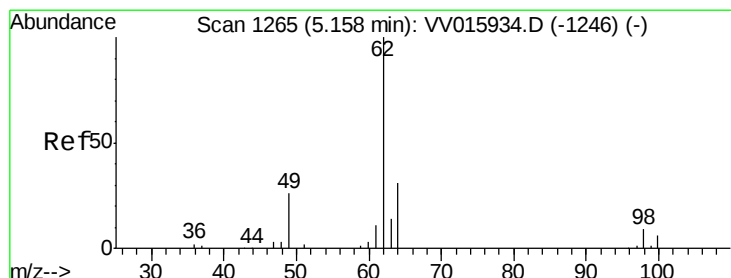
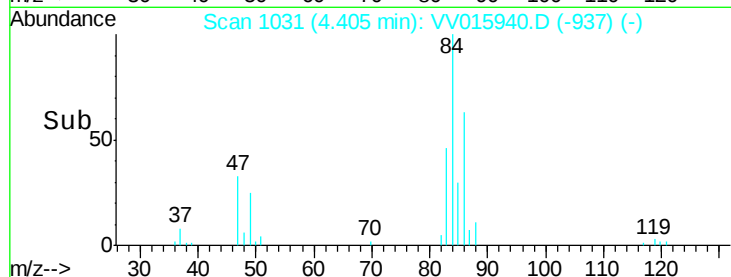
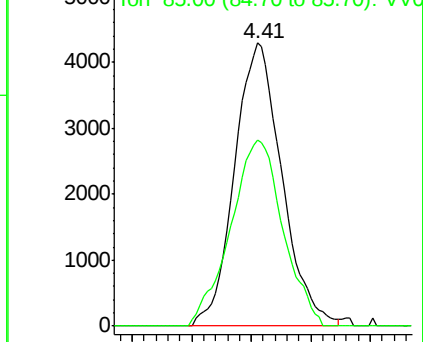
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Abundance Ion 83.05 (82.75 to 83.75): VV015934.D (-1010) (-)



#27

1,2-Dichloroethane

Concen: 0.256 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VV015940.D

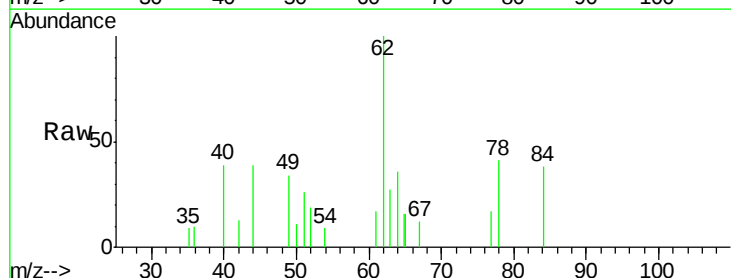
Acq: 07 May 2020 15:10

Tgt Ion: 62 Resp: 3073

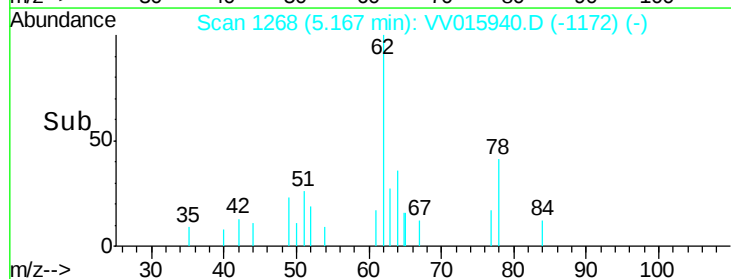
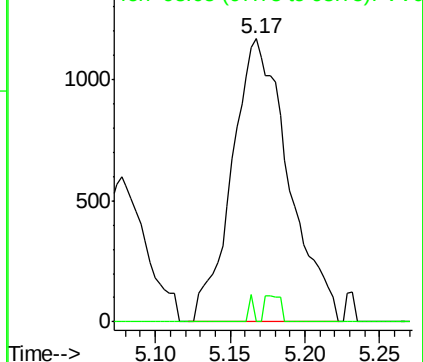
Ion Ratio Lower Upper

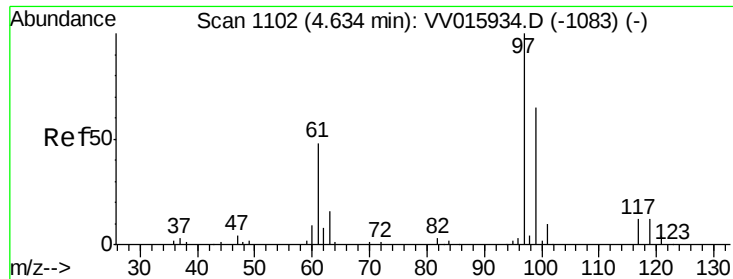
62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV015934.D (-1246) (-)





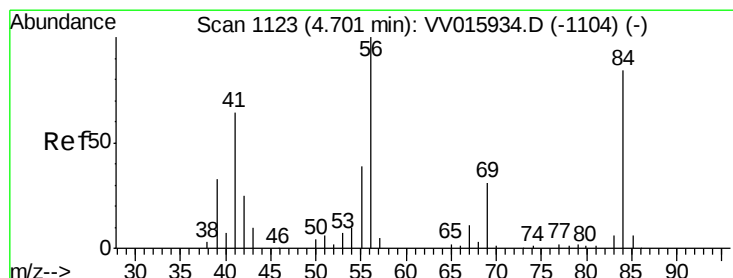
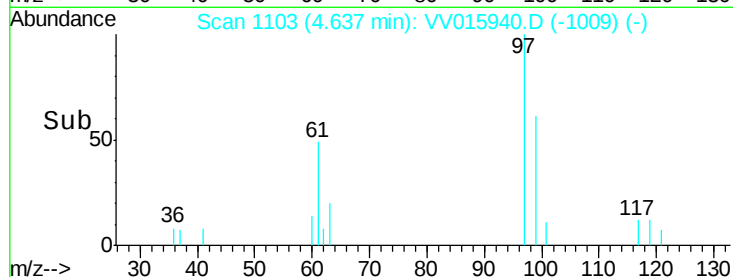
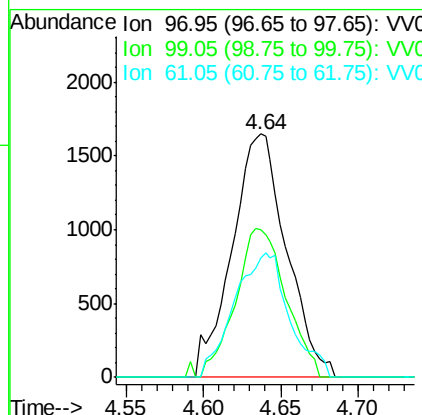
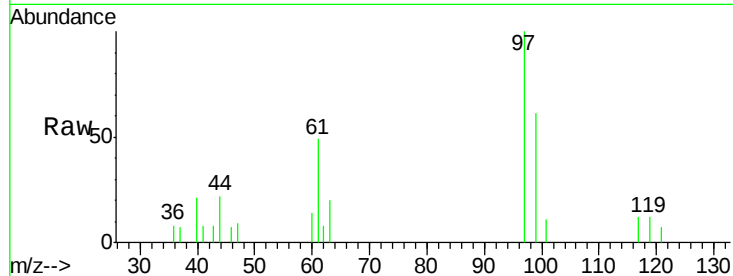
#29
 1,1,1-Trichloroethane
 Concen: 0.247 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
97	100		
99	56.6	50.7	76.1
61	51.9	38.8	58.2

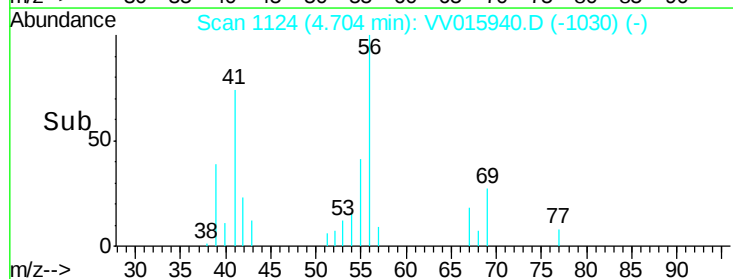
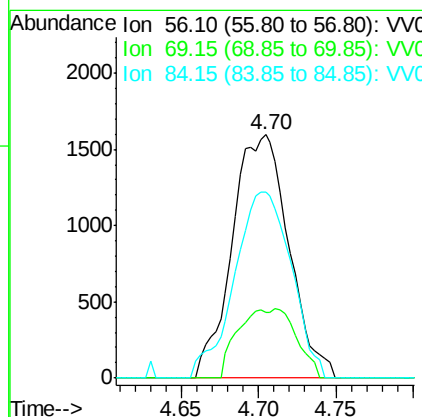
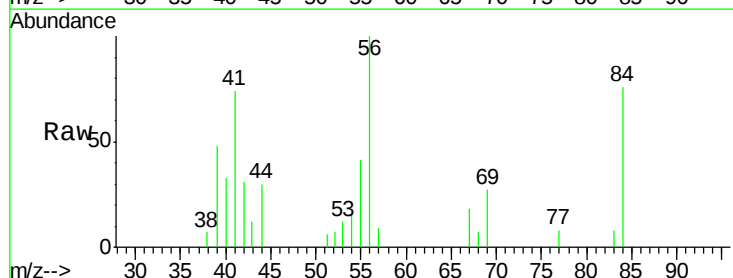
Manual Integrations
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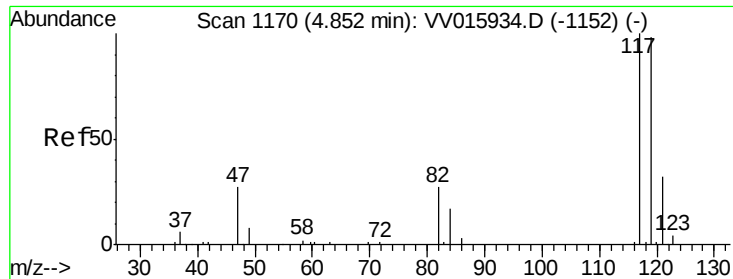
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#30
 Cyclohexane
 Concen: 0.248 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Tgt Ion	Ratio	Lower	Upper
56	100		
69	14.8	24.2	36.2#
84	76.8	68.3	102.5





#31

Carbon tetrachloride

Concen: 0.239 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:117 Resp: 3365

Ion Ratio Lower Upper

117 100

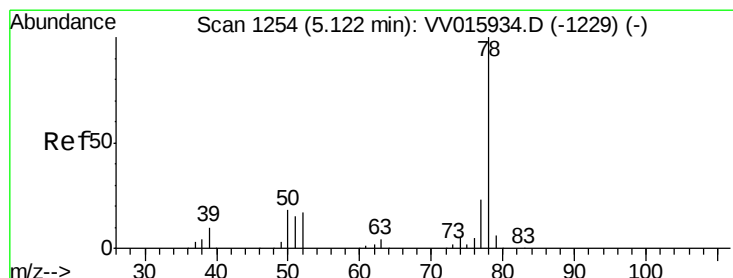
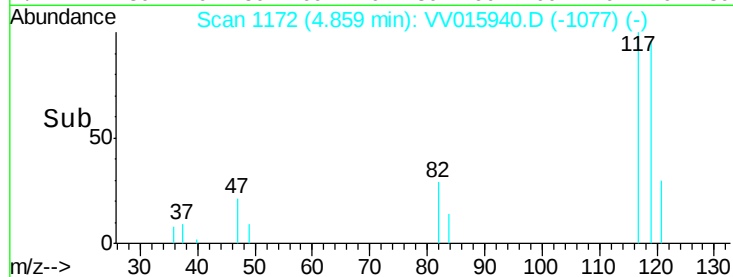
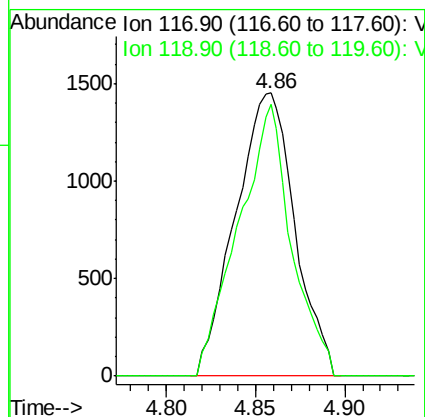
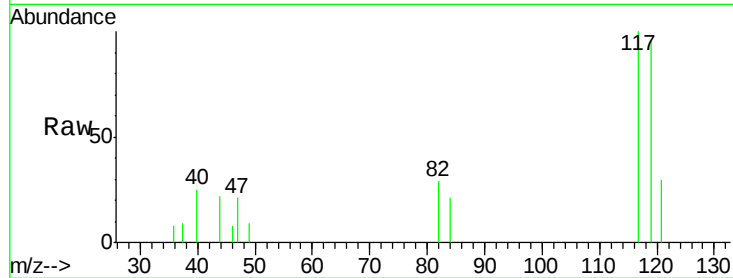
119 85.9 77.3 115.9

Manual Integrations

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#33

Benzene

Concen: 0.253 ug/L

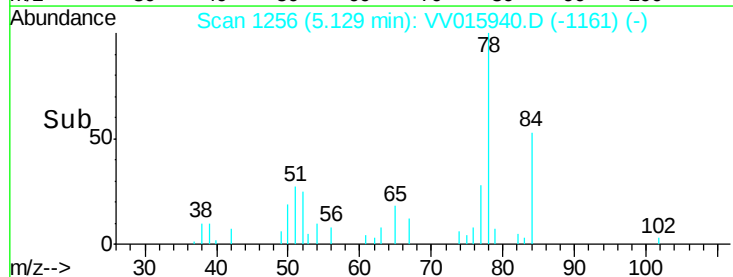
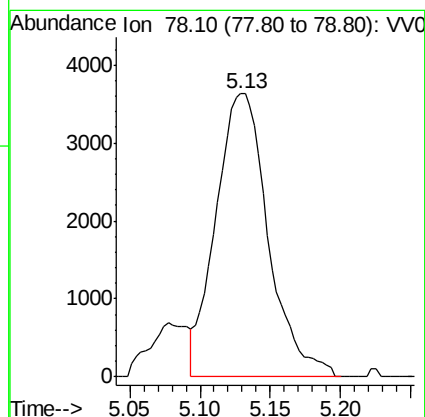
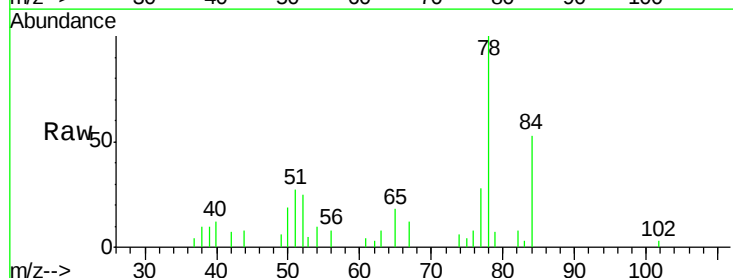
RT: 5.13 min Scan# 1256

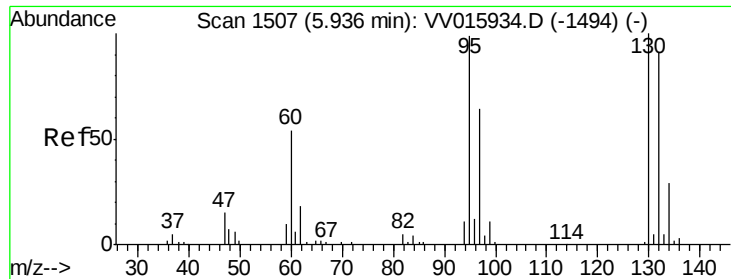
Delta R.T. 0.01 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Tgt Ion: 78 Resp: 9431





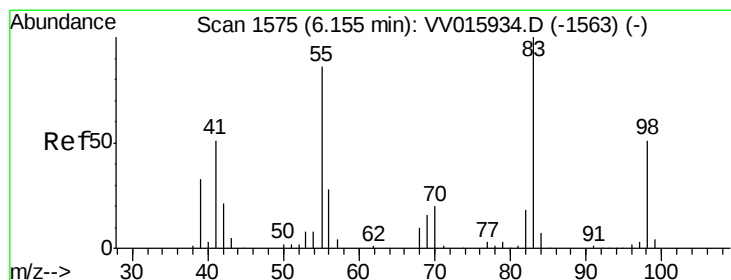
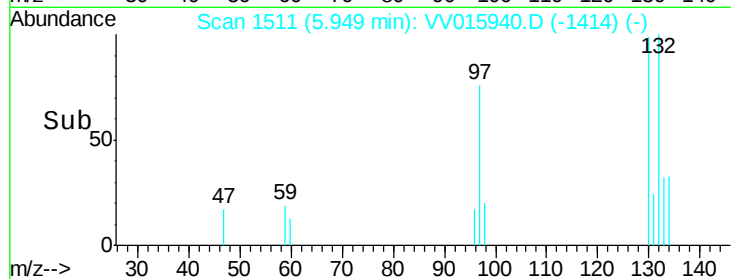
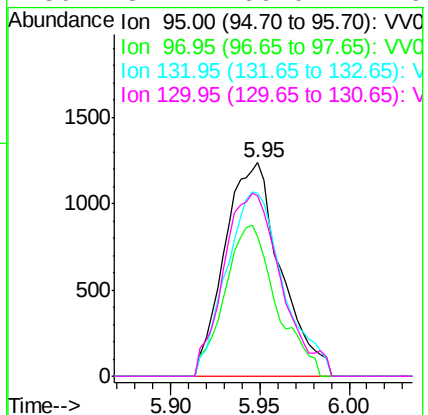
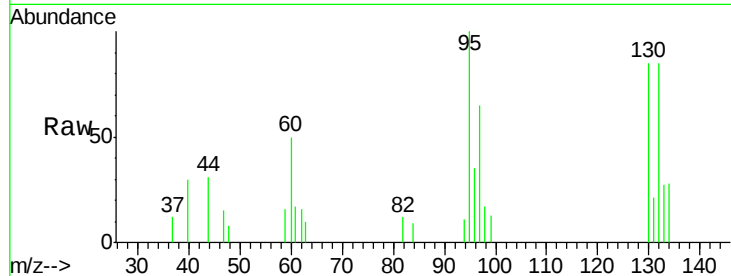
#34
 Trichloroethene
 Concen: 0.255 ug/L
 RT: 5.95 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion:	95	Resp:	2707
Ion	Ratio	Lower	Upper
95	100		
97	65.3	43.3	80.5
132	85.4	60.3	112.1
130	84.7	66.0	122.6

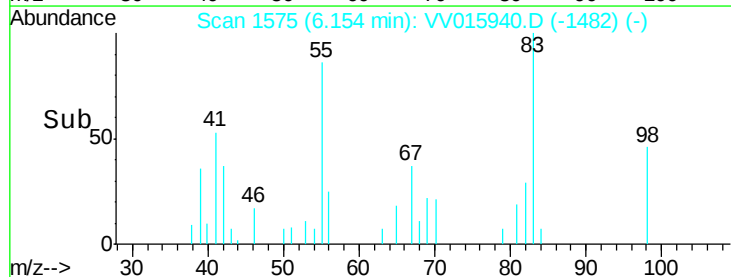
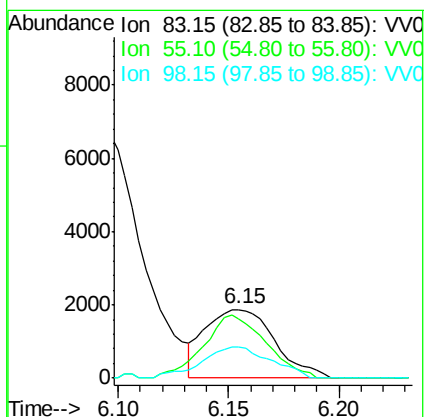
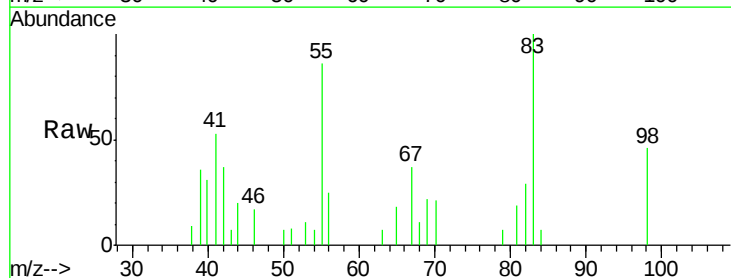
Manual Integrations
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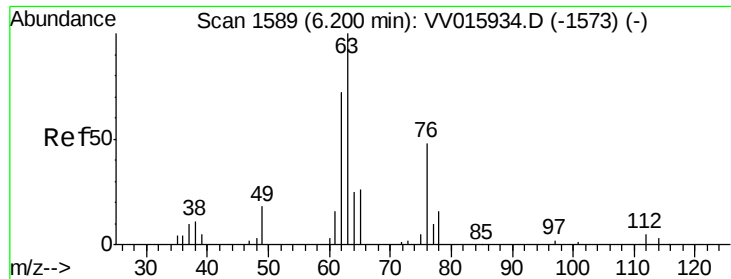
apatel
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#35
 Methylcyclohexane
 Concen: 0.255 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Tgt Ion:	83	Resp:	4093
Ion	Ratio	Lower	Upper
83	100		
55	81.9	66.2	99.2
98	45.5	37.9	56.9





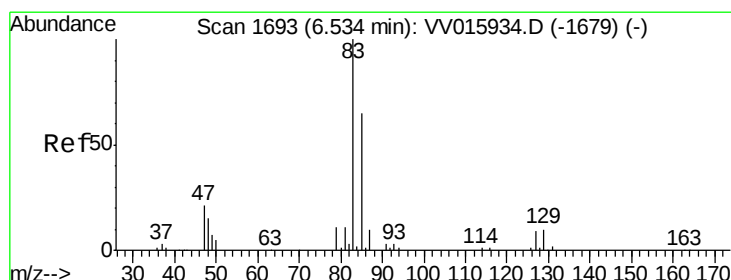
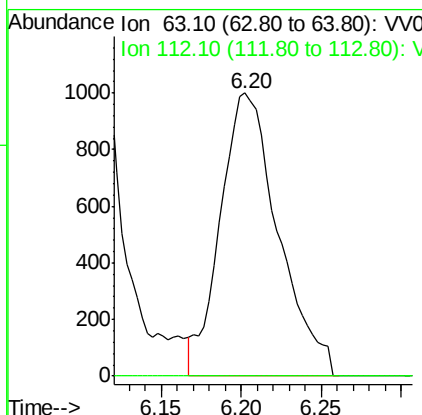
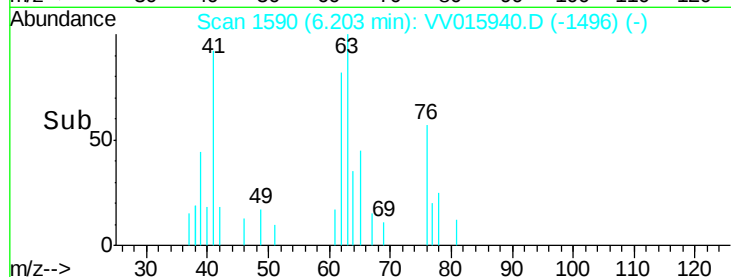
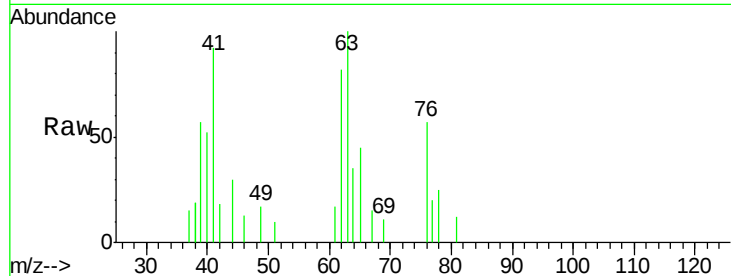
#37
 1,2-Dichloropropane
 Concen: 0.263 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion: 63 Resp: 2486
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#

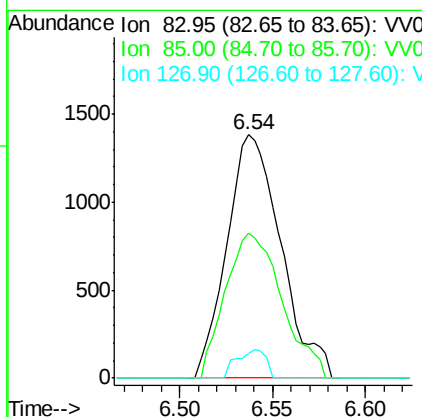
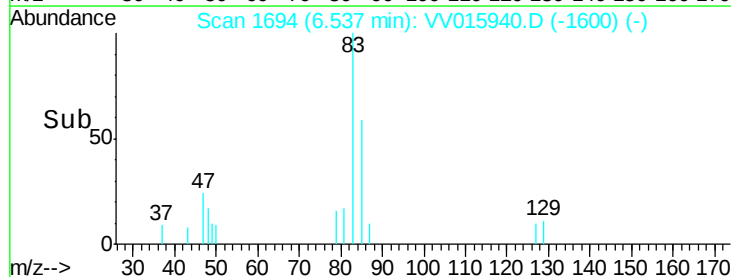
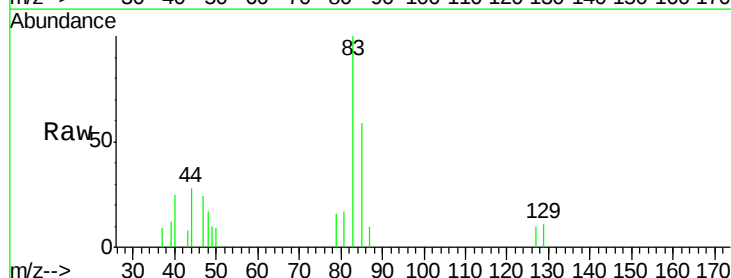
Manual Integrations
 APPROVED

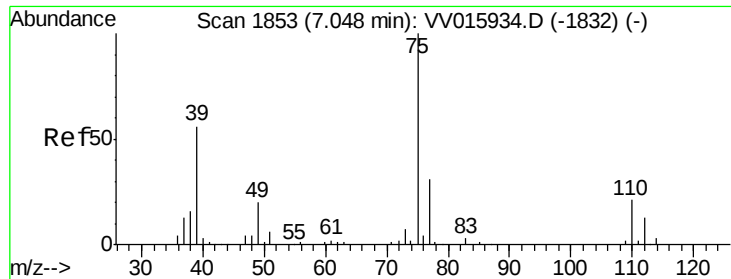
apatel
 5/8/2020 12:58:08 PM



#38
 Bromodichloromethane
 Concen: 0.233 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Tgt Ion: 83 Resp: 2799
 Ion Ratio Lower Upper
 83 100
 85 59.4 45.5 84.5
 127 10.0 6.2 9.4#





#39

cis-1,3-Dichloropropene

Concen: 0.220 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 75 Resp: 2936

Ion Ratio Lower Upper

75 100

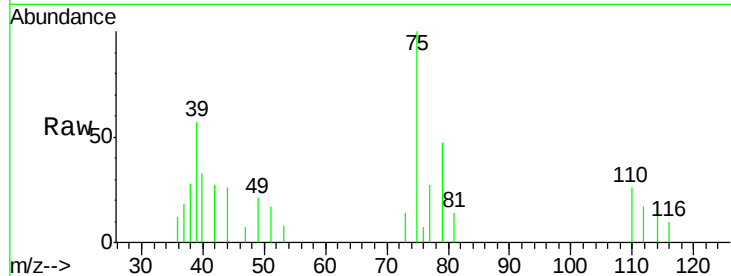
77 27.0 21.3 39.5

Manual Integrations

APPROVED

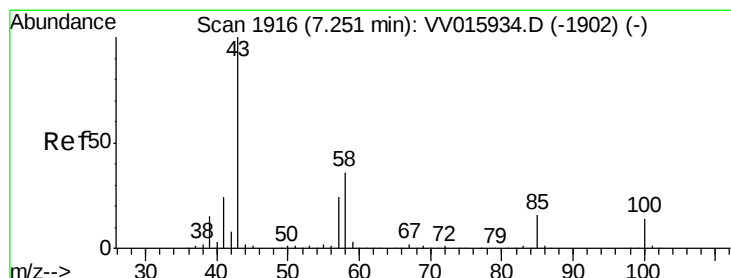
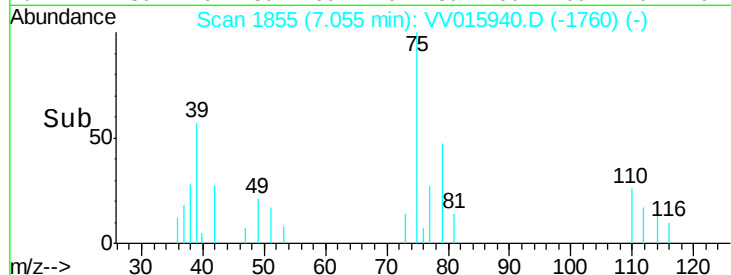
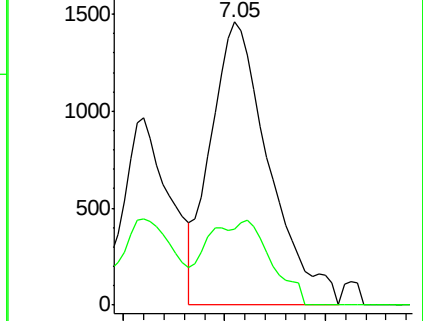
apatel

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Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 2.218 ug/L

RT: 7.26 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

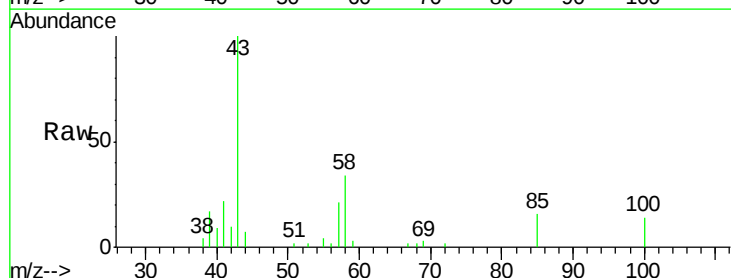
Tgt Ion: 43 Resp: 13077

Ion Ratio Lower Upper

43 100

58 37.3 29.0 43.4

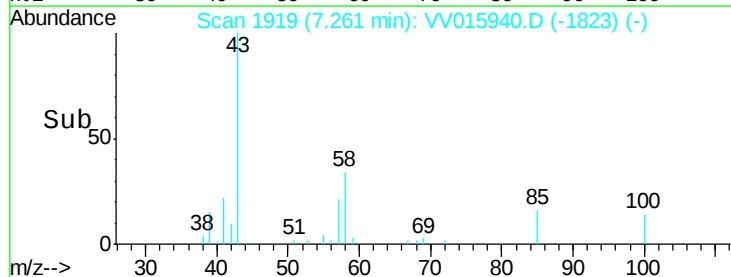
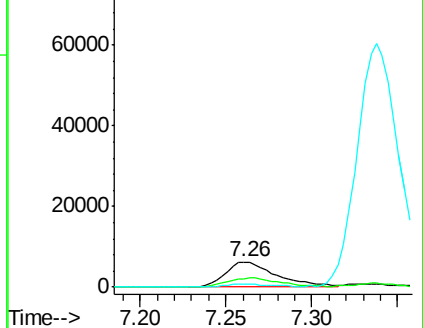
100 0.0 10.9 16.3#

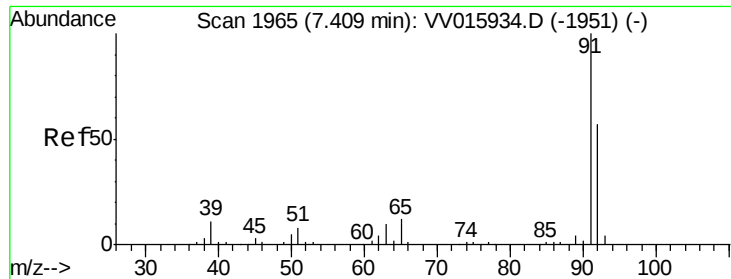


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.243 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 9581

Ion Ratio Lower Upper

91 100

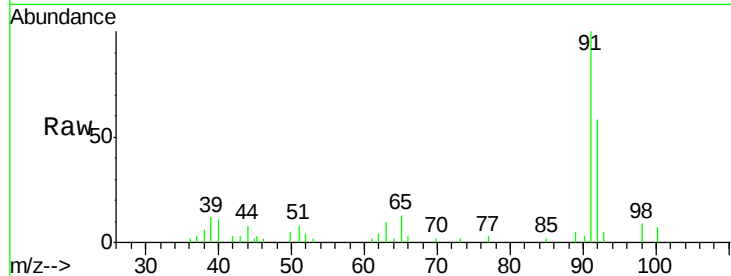
92 57.6 40.1 74.5

Manual Integrations

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Abundance Ion 91.15 (90.85 to 91.85): VV015934.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015934.D (-1951) (-)

7.41

6000

5000

4000

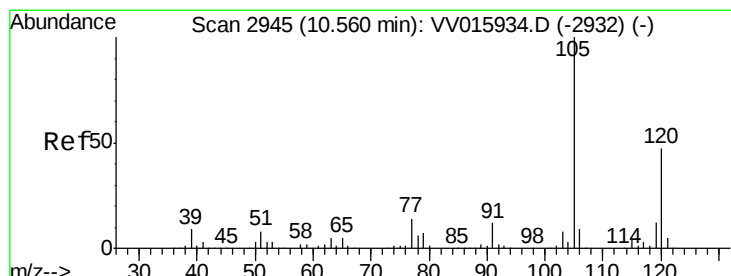
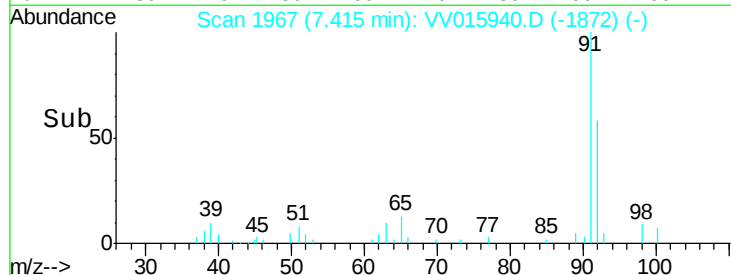
3000

2000

1000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.200 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV015940.D

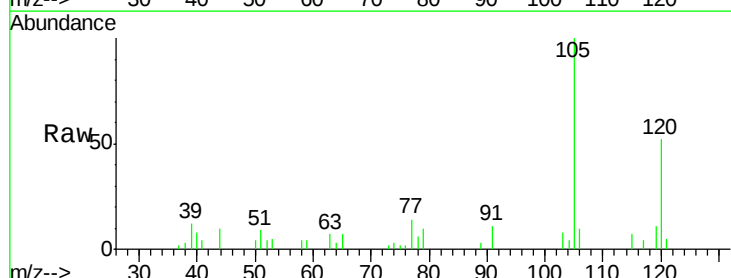
Acq: 07 May 2020 15:10

Tgt Ion: 105 Resp: 7254

Ion Ratio Lower Upper

105 100

120 51.6 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV015934.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV015934.D (-2932) (-)

10.56

5000

4000

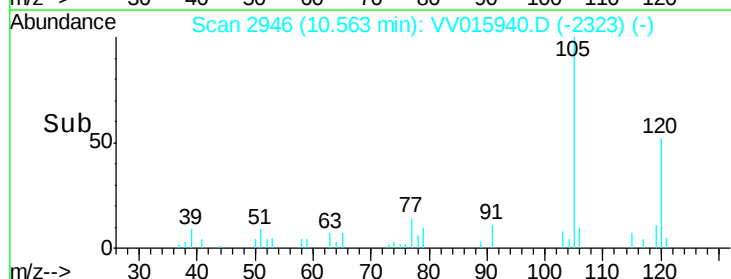
3000

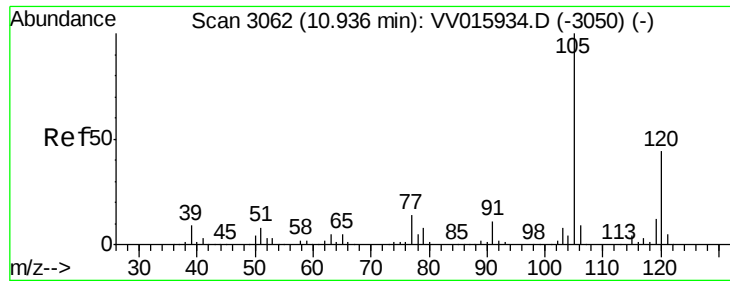
2000

1000

0

Time-->





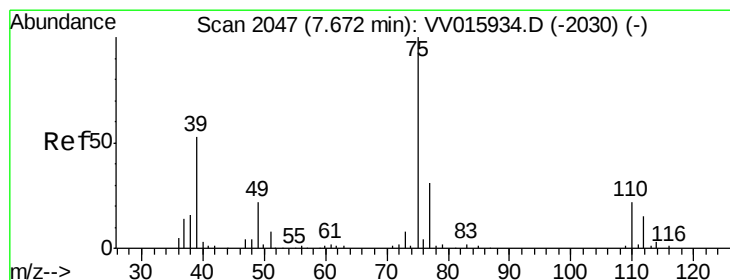
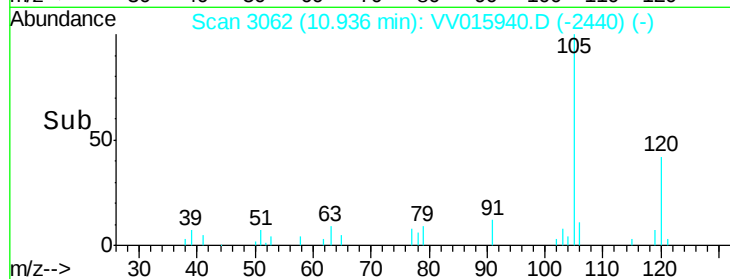
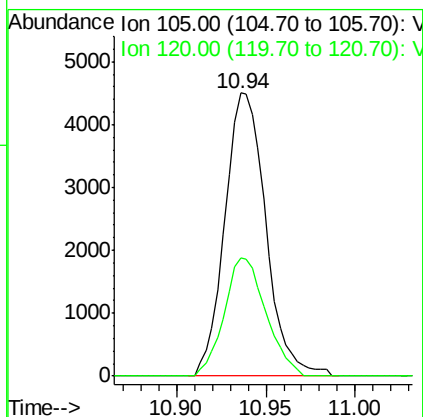
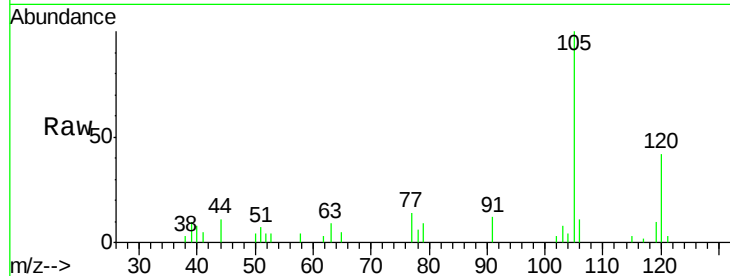
#44
 1,2,4-Trimethylbenzene
 Concen: 0.199 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion:105 Resp: 7212
 Ion Ratio Lower Upper
 105 100
 120 42.5 0.0 0.0#

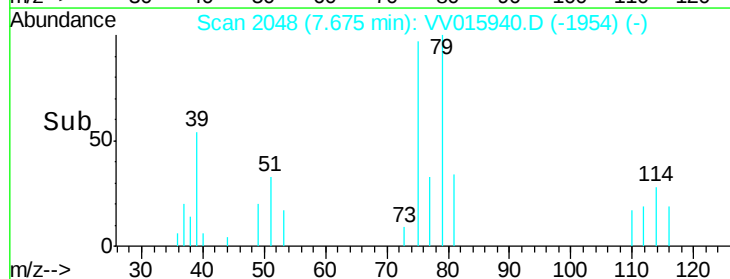
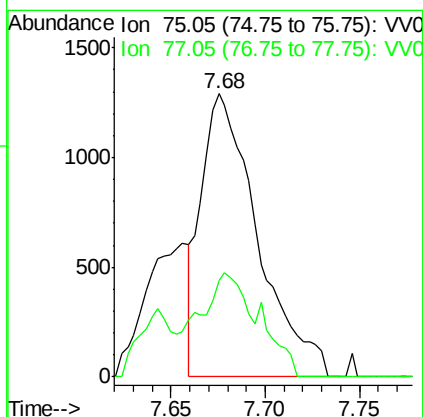
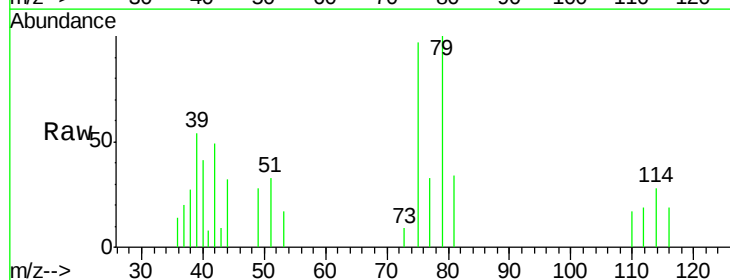
Manual Integrations
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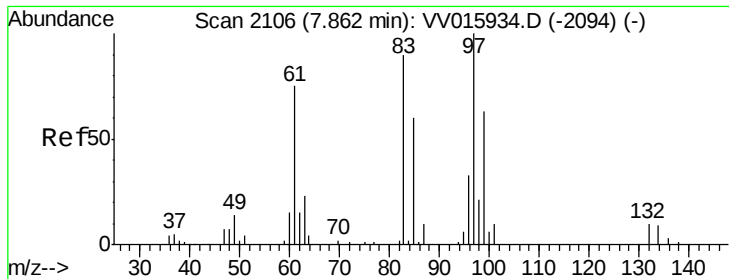
apatel
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#46
 trans-1,3-Dichloropropene
 Concen: 0.238 ug/L m
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Tgt Ion: 75 Resp: 2686
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.3 39.6





#47

1,1,2-Trichloroethane

Concen: 0.244 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 97 Resp: 1542

Ion Ratio Lower Upper

97 100

99 68.1 42.1 78.1

83 93.3 59.2 110.0

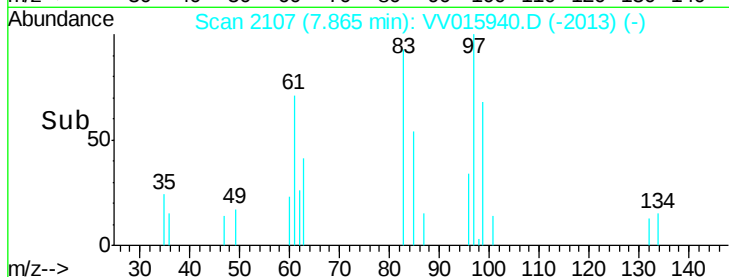
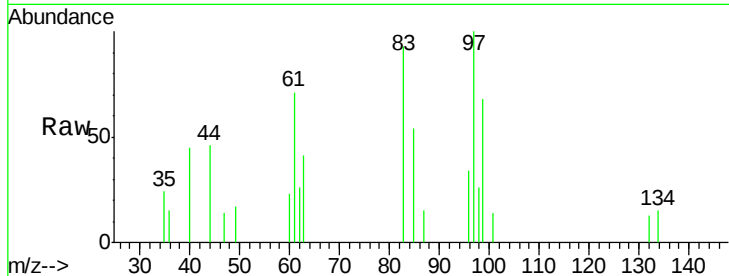
85 53.6 38.6 71.8

Manual Integrations

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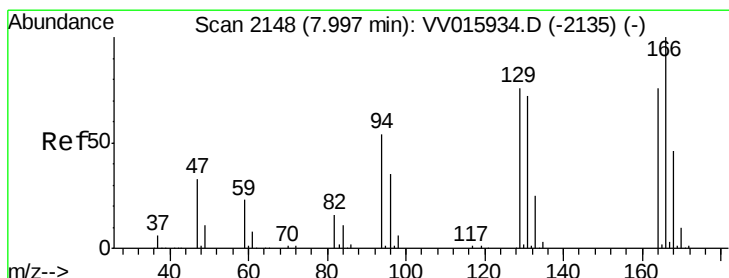
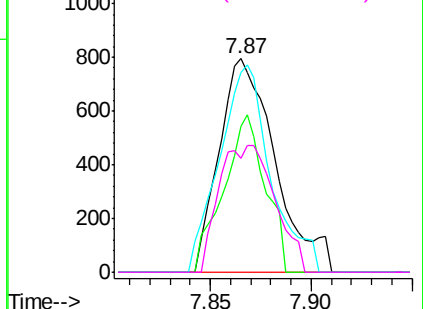


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 0.263 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Tgt Ion: 164 Resp: 1950

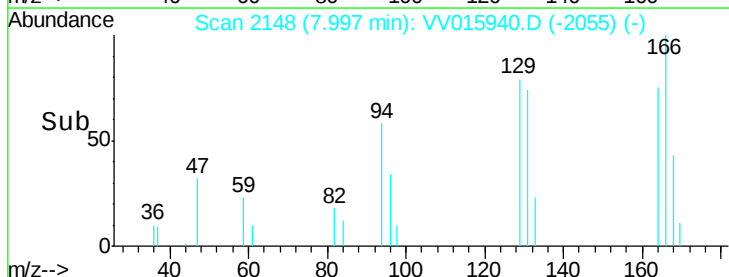
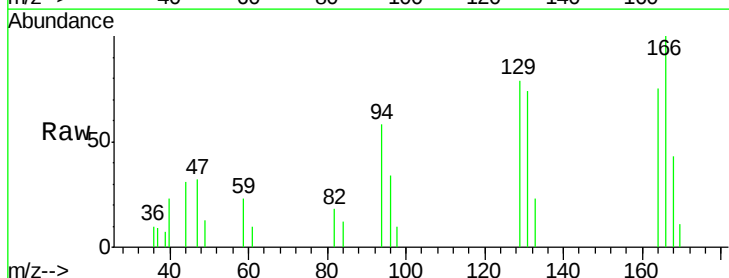
Ion Ratio Lower Upper

164 100

129 105.4 69.7 129.4

131 98.8 66.8 124.2

166 132.8 89.1 165.5

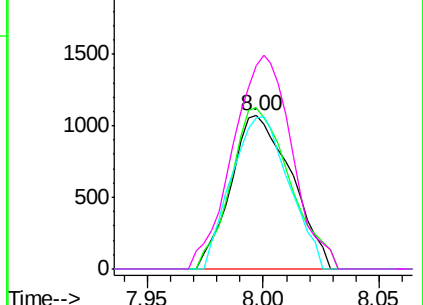


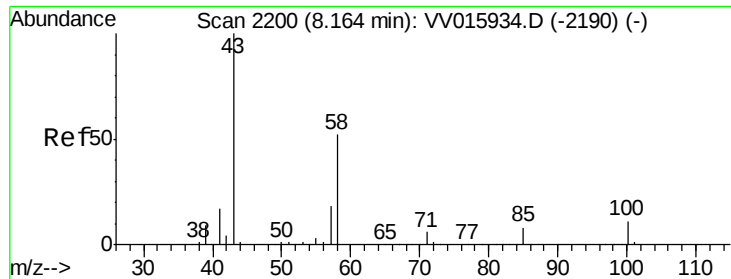
Abundance Ion 163.90 (163.60 to 164.60): V

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





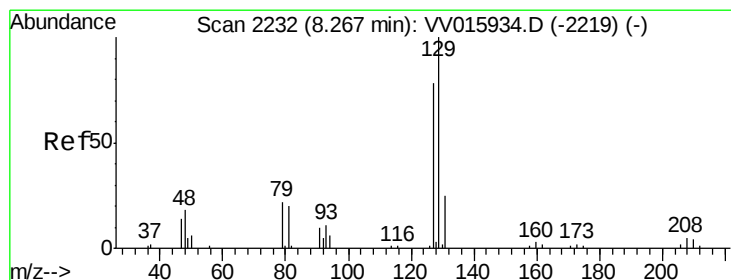
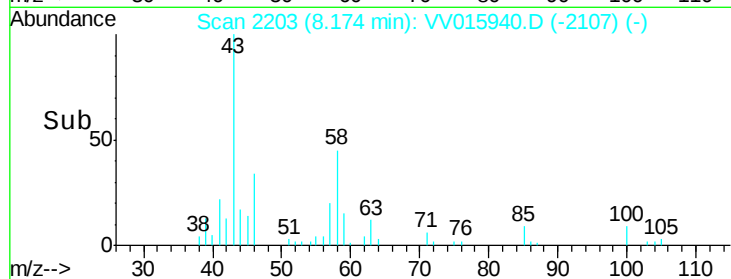
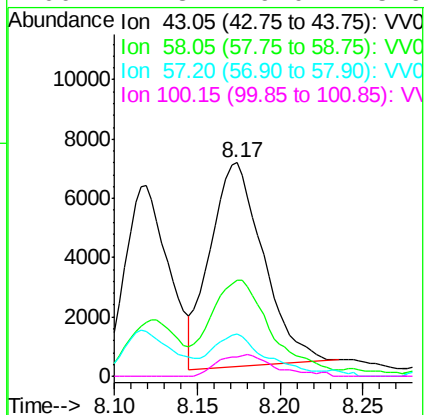
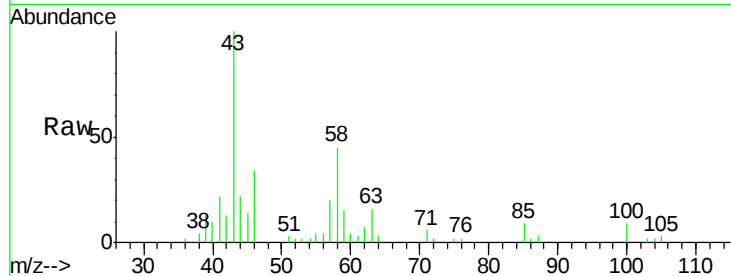
#50
2-Hexanone
Concen: 3.675 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV015940.D
Acq: 07 May 2020 15:10

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion:	43	Resp:	15325
Ion	Ratio	Lower	Upper
43	100		
58	49.5	40.8	61.2
57	20.7	14.7	22.1
100	11.3	9.0	13.6

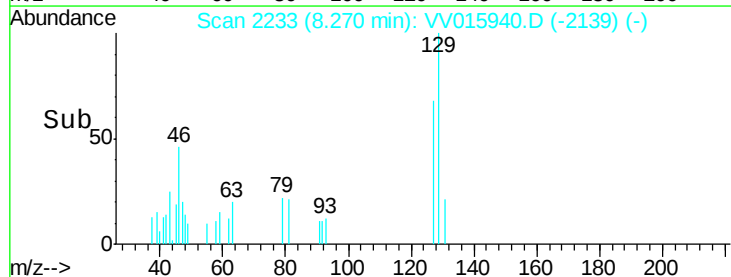
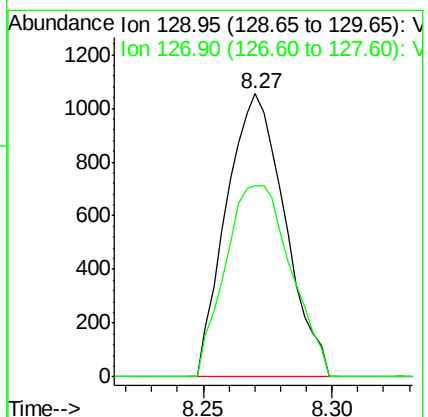
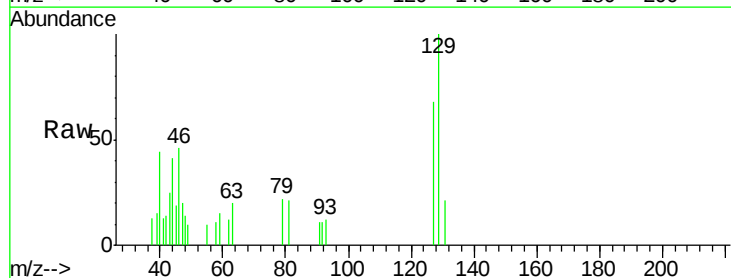
Manual Integrations
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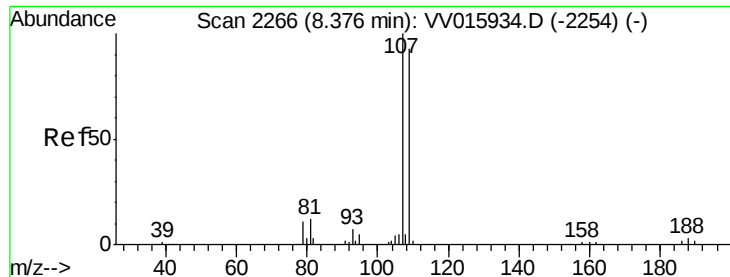
apatel
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#51
Dibromochloromethane
Concen: 0.235 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015940.D
Acq: 07 May 2020 15:10

Tgt Ion:	129	Resp:	1667
Ion	Ratio	Lower	Upper
129	100		
127	67.6	56.0	104.0





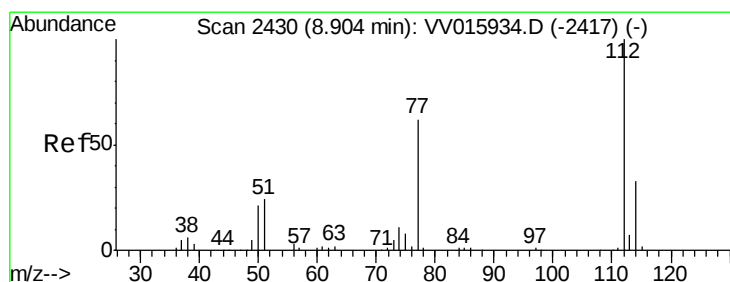
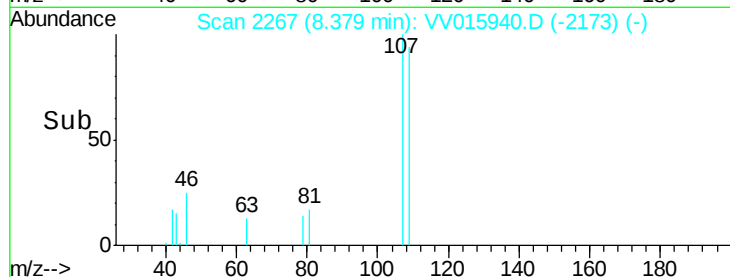
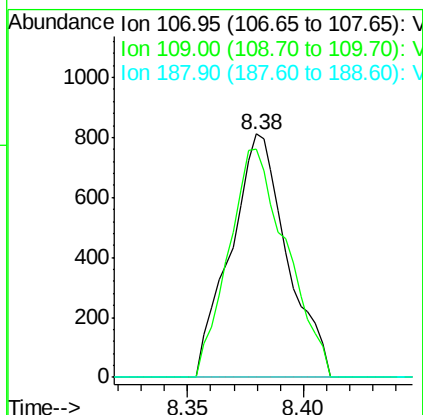
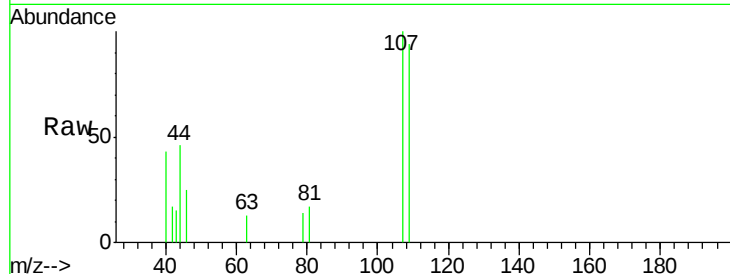
#52
 1,2-Dibromoethane
 Concen: 0.235 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	68.9	127.9
188	0.0	2.7	4.1#

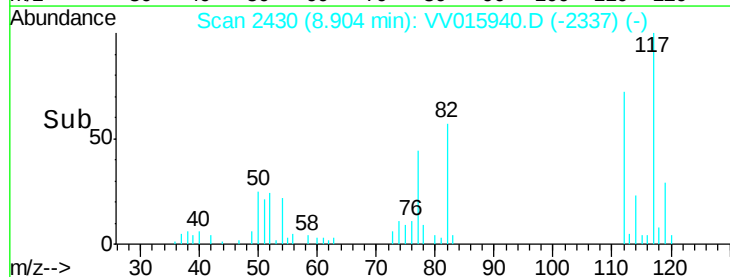
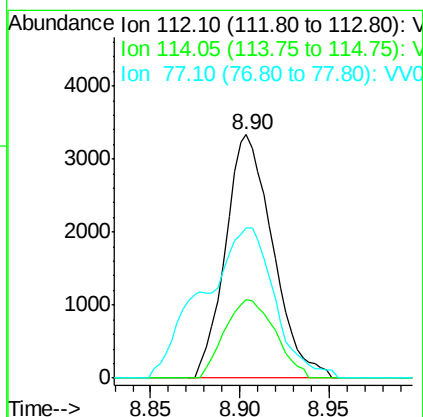
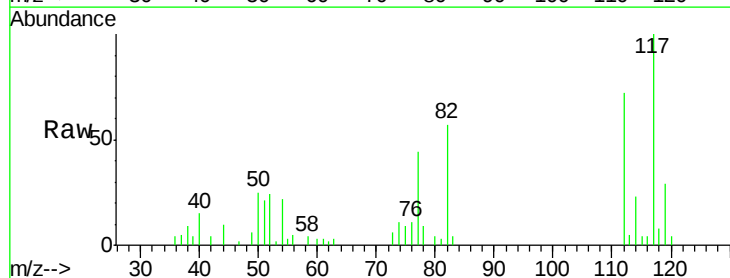
Manual Integrations
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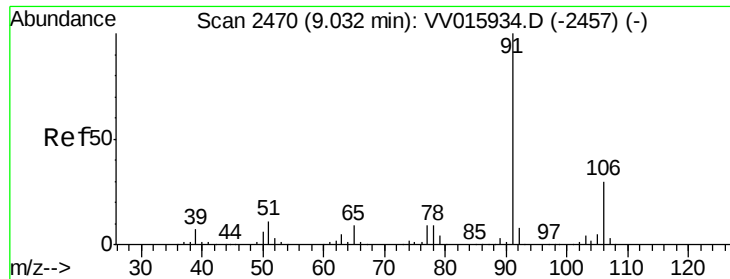
apatel
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#53
 Chlorobenzene
 Concen: 0.242 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.6	40.0
77	61.7	48.6	73.0





#54

Ethylbenzene

Concen: 0.234 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 91 Resp: 10484

Ion Ratio Lower Upper

91 100

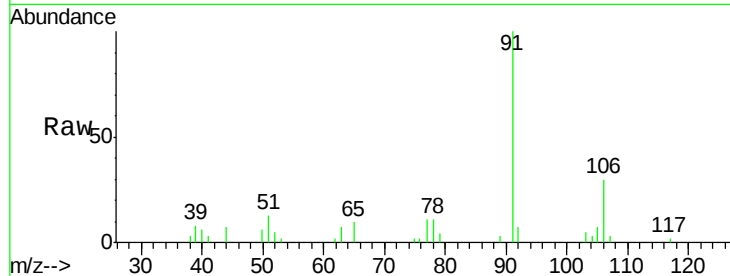
106 30.1 20.6 38.4

Manual Integrations

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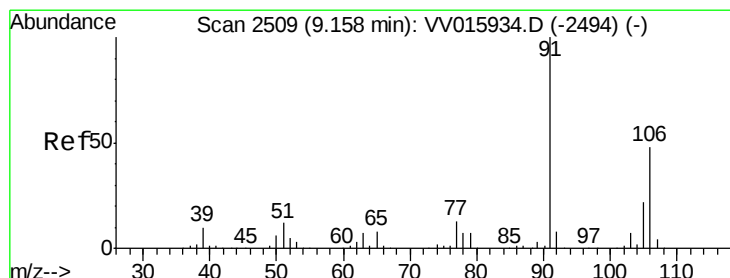
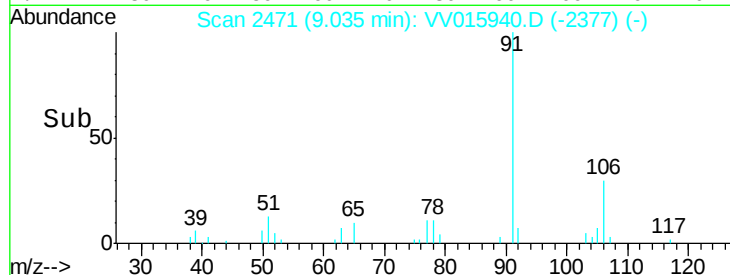
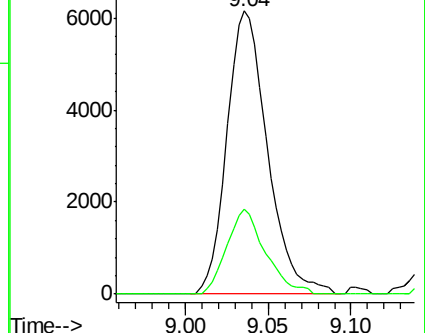
apatel

5/8/2020 12:58:08 PM



Abundance Ion 91.15 (90.85 to 91.85): VV015940.D (-2470) (-)

Ion 106.15 (105.85 to 106.85): VV015940.D (-2470) (-)



#55

m,p-xylene

Concen: 0.215 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV015940.D

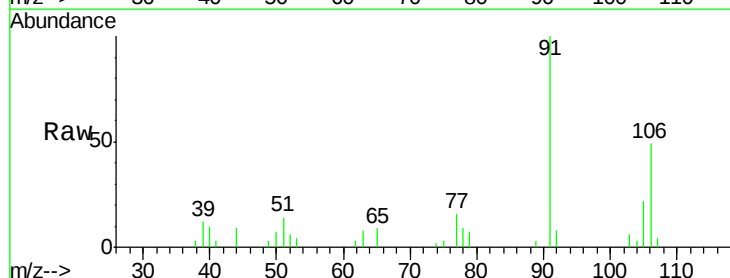
Acq: 07 May 2020 15:10

Tgt Ion: 106 Resp: 3567

Ion Ratio Lower Upper

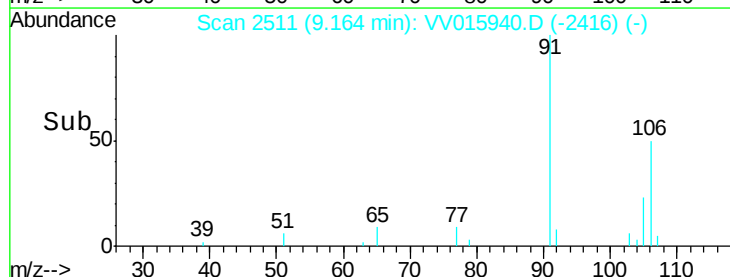
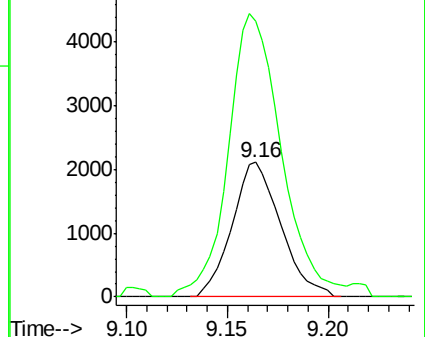
106 100

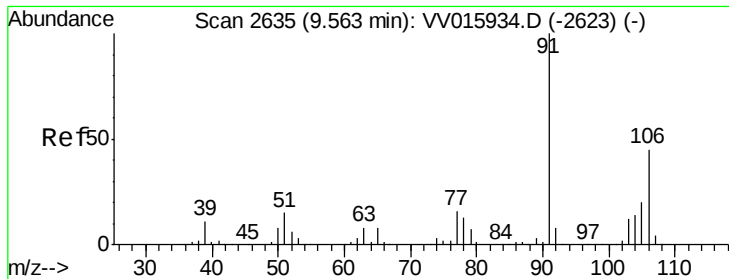
91 204.2 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015940.D (-2509) (-)

Ion 91.15 (90.85 to 91.85): VV015940.D (-2509) (-)





#56

o-xylene

Concen: 0.223 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.01 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:106 Resp: 3539

Ion Ratio Lower Upper

106 100

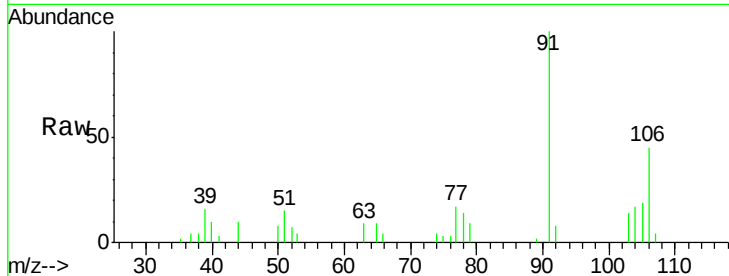
91 221.5 159.7 296.5

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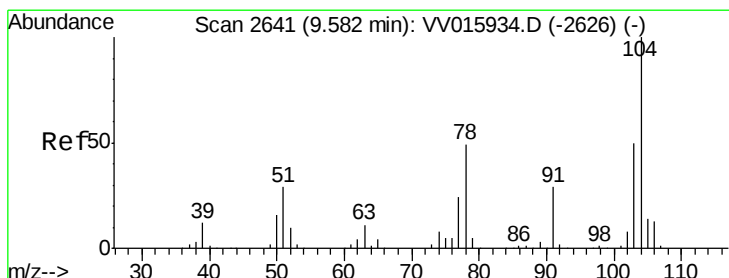
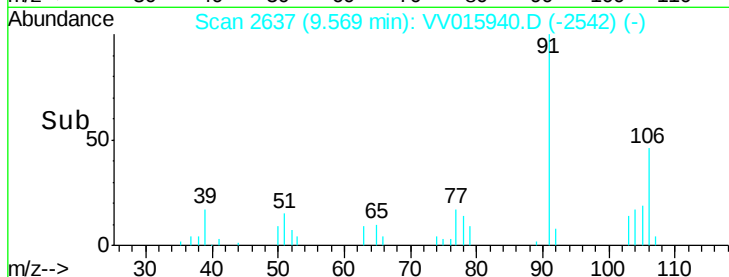
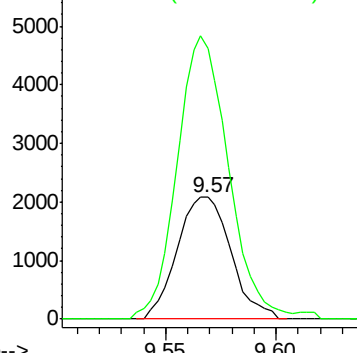
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 0.209 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015940.D

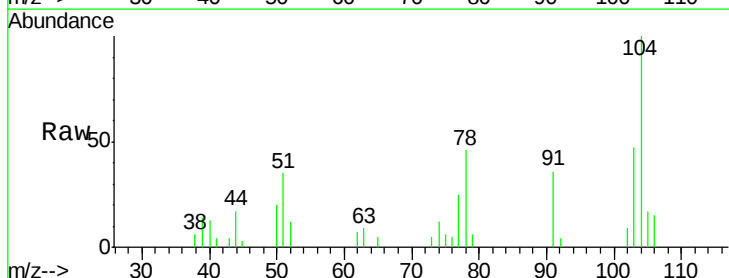
Acq: 07 May 2020 15:10

Tgt Ion:104 Resp: 5560

Ion Ratio Lower Upper

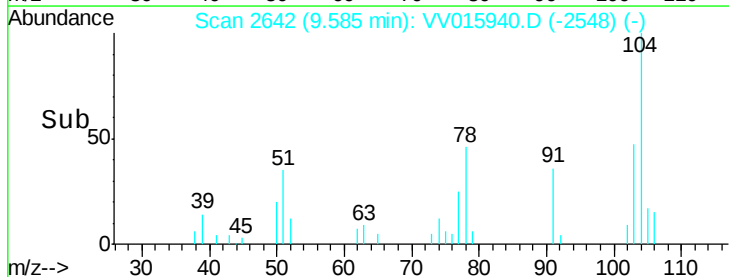
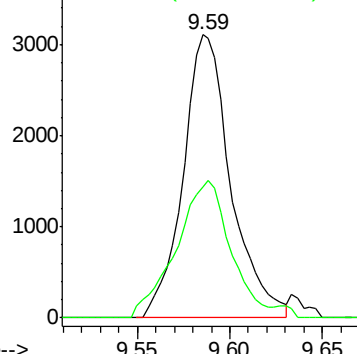
104 100

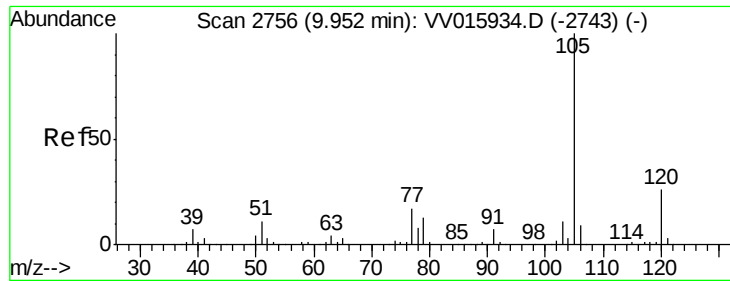
78 46.2 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 0.220 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

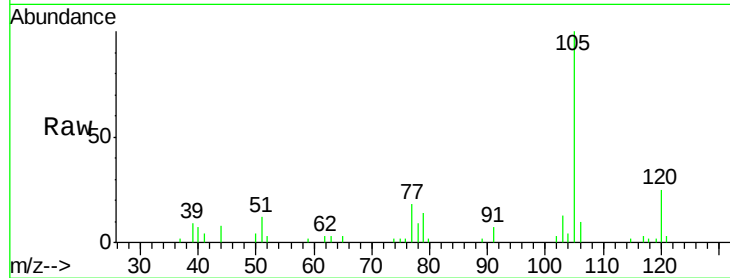
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	9614
Ion Ratio	Lower	Upper	
105	100		
120	24.1	20.8	31.2
77	19.2	14.1	21.1

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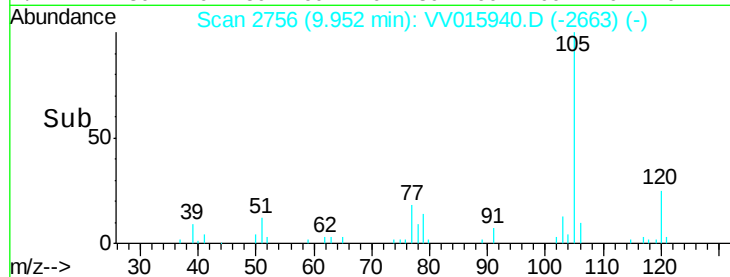


Abundance Ion 105.05 (104.75 to 105.75): V

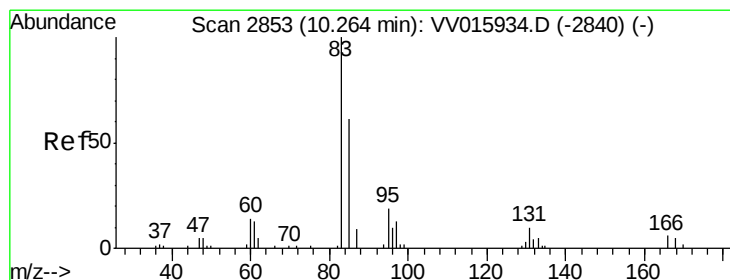
Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



Time-->



#60

1,1,2,2-Tetrachloroethane

Concen: 0.320 ug/L

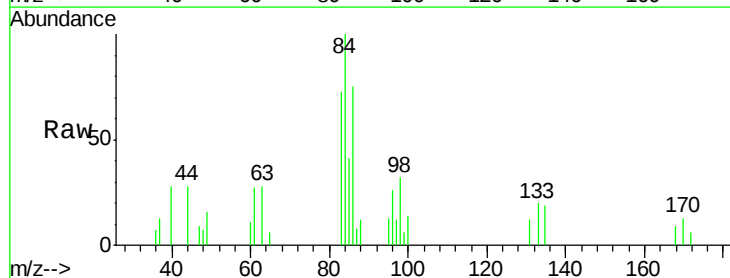
RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Tgt Ion:	83	Resp:	2161
Ion Ratio	Lower	Upper	
83	100		
85	56.1	44.0	81.6
131	16.3	7.7	11.5#

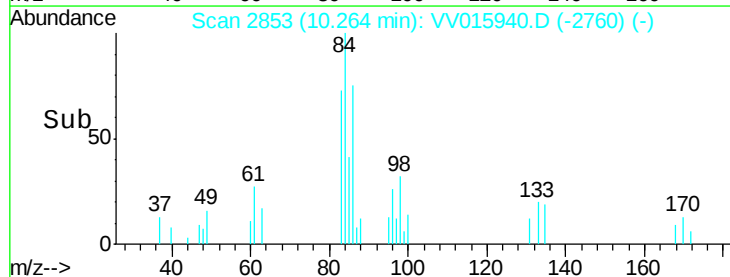


Abundance Ion 82.95 (82.65 to 83.65): VV0

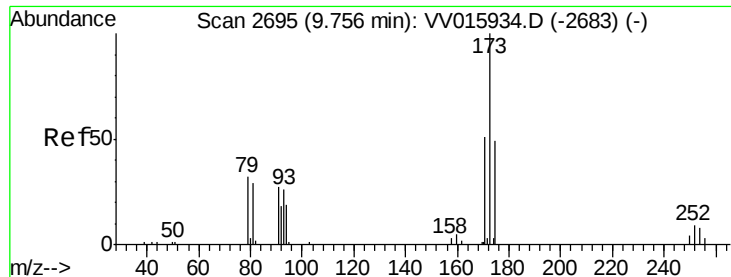
Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

Time-->



Time-->



#62

Bromoform

Concen: 0.229 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

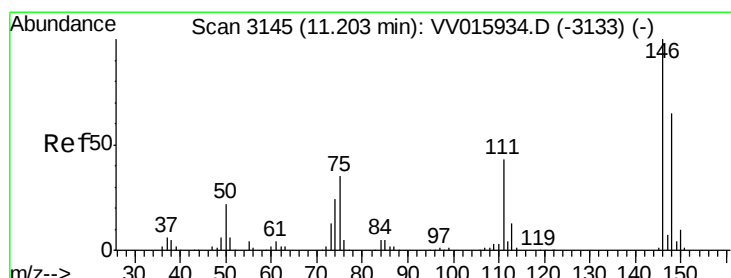
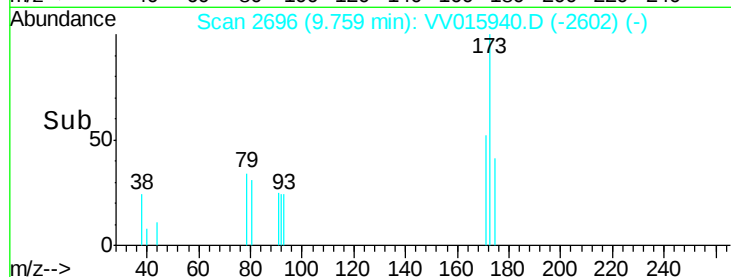
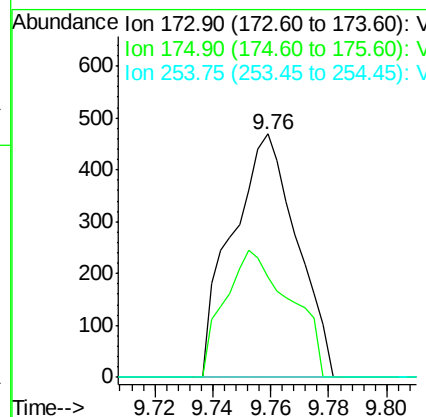
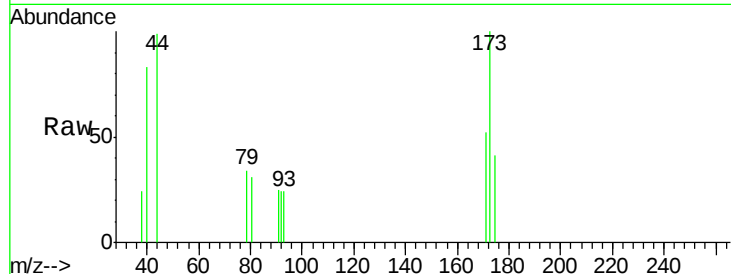
MDL02

Tot Ion:173 Resp: 728

Ion	Ratio	Lower	Upper
173	100		
175	53.0	39.8	59.8
254	0.0	7.1	10.7#

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#63

1,3-Dichlorobenzene

Concen: 0.266 ug/L

RT: 11.21 min Scan# 3147

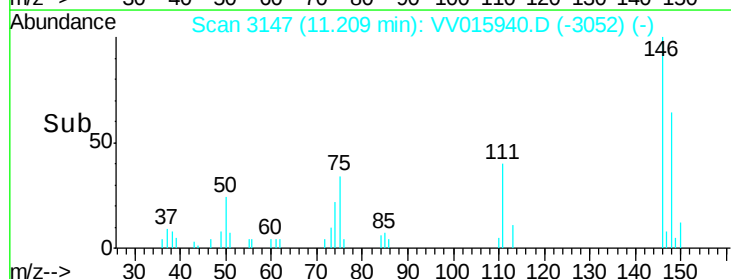
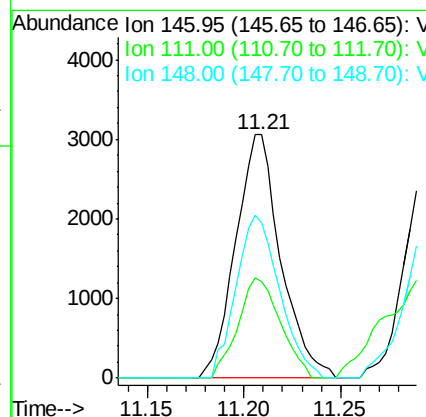
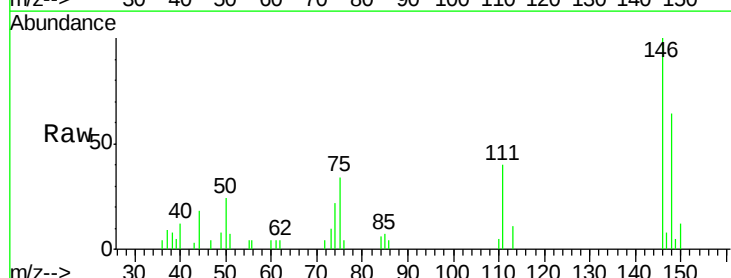
Delta R.T. 0.01 min

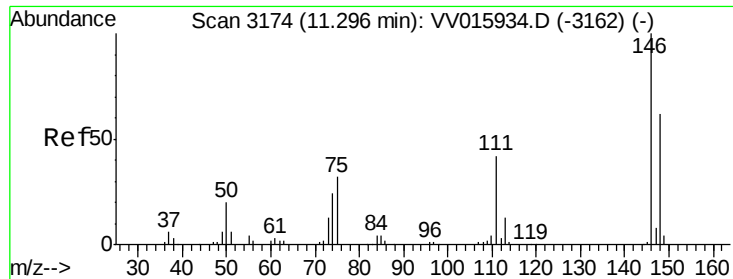
Lab File: VV015940.D

Acq: 07 May 2020 15:10

Tgt Ion:146 Resp: 4959

Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.7	53.3
148	63.8	44.0	81.8





#64

1,4-Dichlorobenzene

Concen: 0.271 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

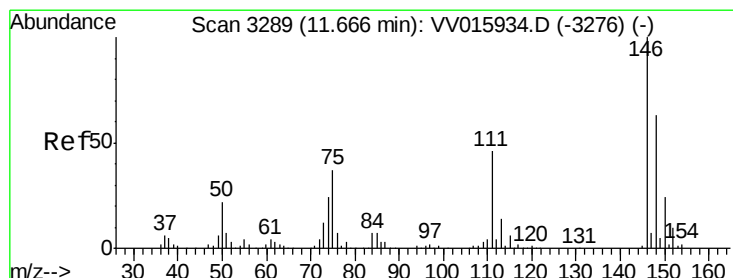
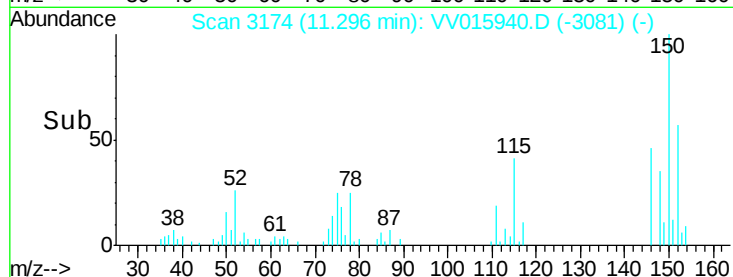
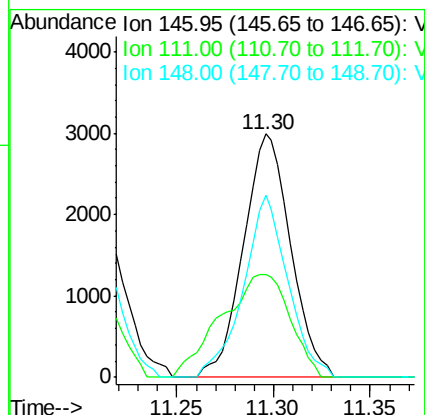
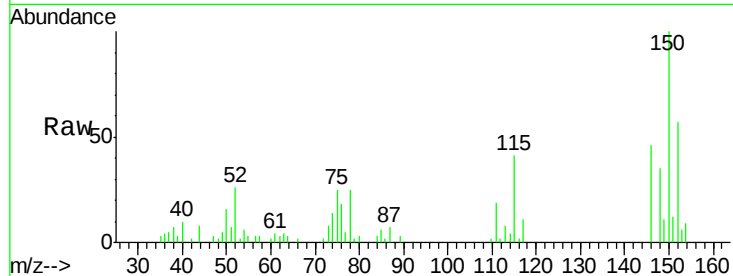
ClientSampled :

MDL02

Tot Ion:	146	Resp:	5074
Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.9	53.7
148	74.8	44.6	82.8

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#66

1,2-Dichlorobenzene

Concen: 0.279 ug/L

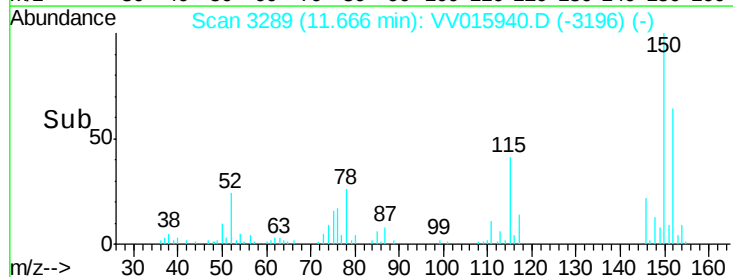
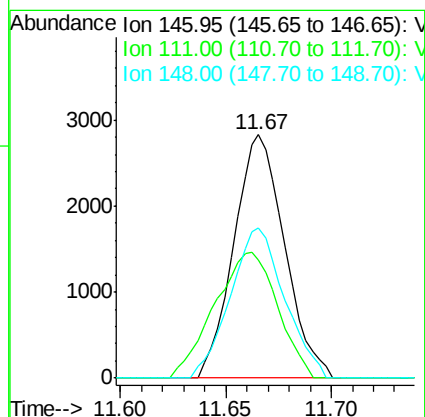
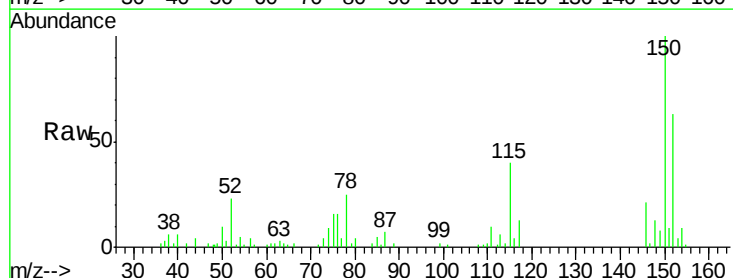
RT: 11.67 min Scan# 3289

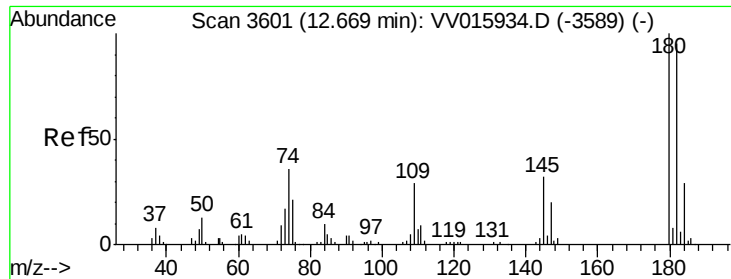
Delta R.T. -0.00 min

Lab File: VV015940.D

Acq: 07 May 2020 15:10

Tgt Ion:	146	Resp:	4713
Ion	Ratio	Lower	Upper
146	100		
111	48.6	37.0	55.4
148	61.7	49.8	74.6





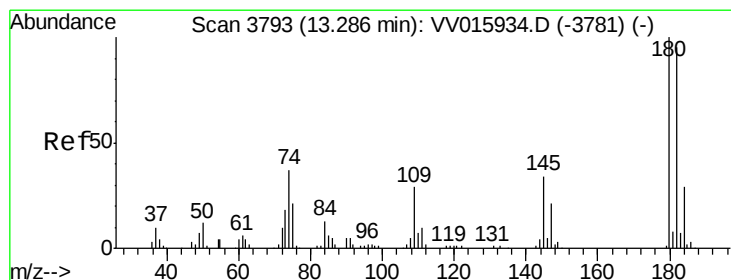
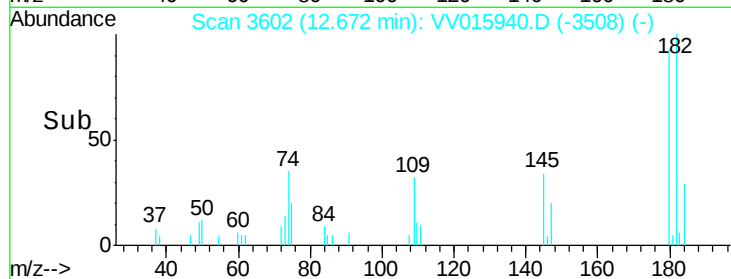
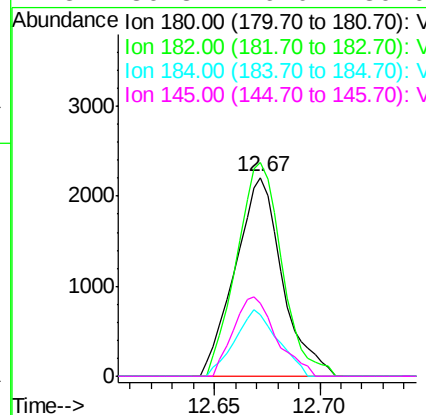
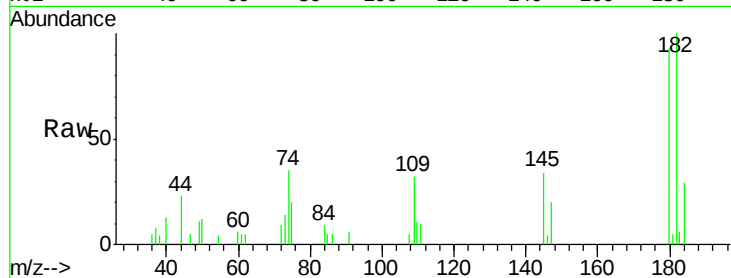
#68
 1,3,5-Trichlorobenzene
 Concen: 0.251 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3428		
182	103.2	75.8	113.6	
184	30.3	24.6	36.8	
145	36.3	26.0	39.0	

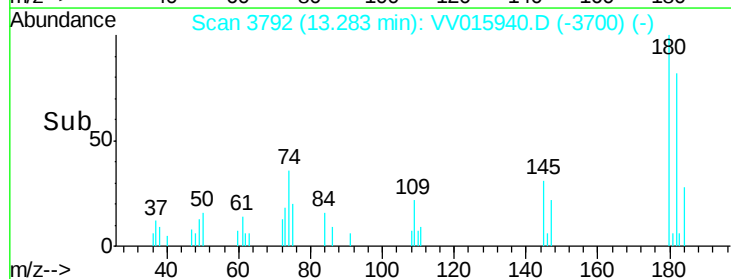
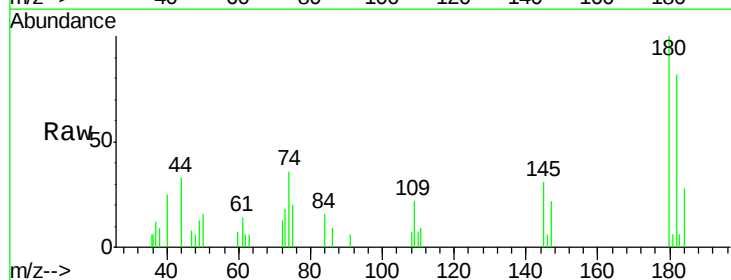
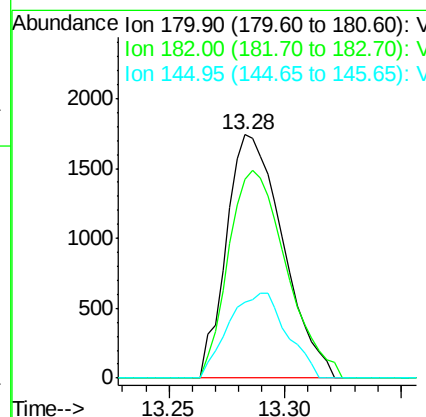
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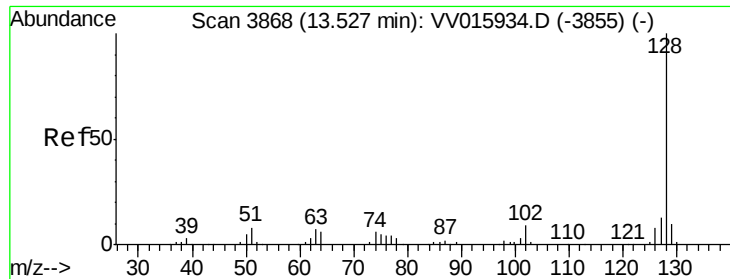
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#69
 1,2,4-trichlorobenzene
 Concen: 0.251 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015940.D
 Acq: 07 May 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	2938		
182	87.4	76.7	115.1	
145	36.0	26.4	39.6	





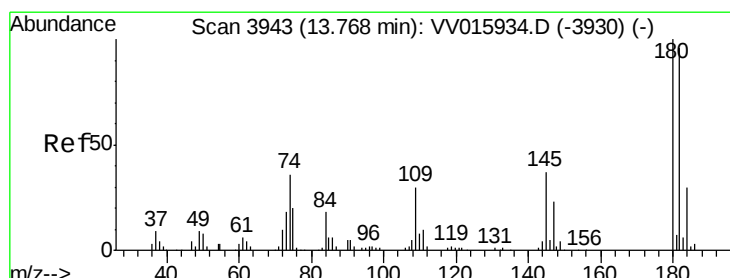
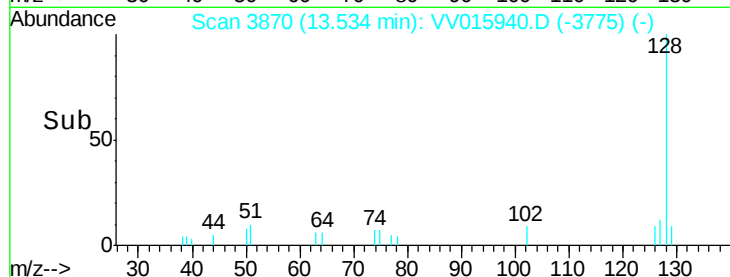
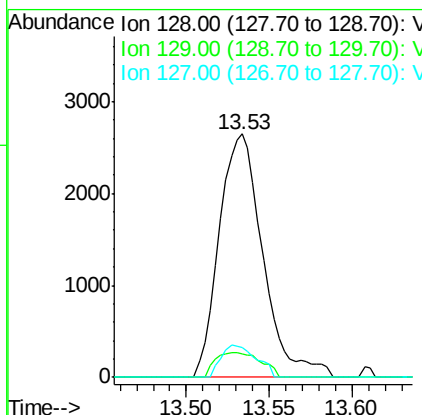
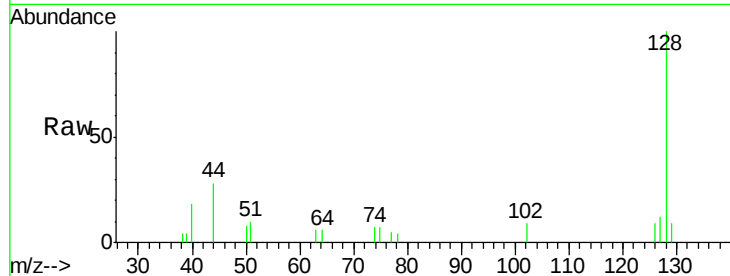
#70
Naphthalene
Concen: 0.260 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV015940.D
Acq: 07 May 2020 15:10

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	10.6	10.2	15.2

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#71
1,2,3-Trichlorobenzene
Concen: 0.250 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV015940.D
Acq: 07 May 2020 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.1	77.0	115.6
145	32.1	28.3	42.5

