

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
 Data File : VV014548.D
 Acq On : 10 Feb 2020 13:45
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:06:21 PM

Quant Time: Feb 11 05:07:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 04:43:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	328697	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	307769	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	154843	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71763	40.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.52%
7) Chloroethane-d5	1.59	69	53207	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.62%
11) 1,1-Dichloroethene-d2	2.13	63	90460	33.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.84%
21) 2-Butanone-d5	3.92	46	133186	96.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.79%
24) Chloroform-d	4.40	84	198357	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.66%
26) 1,2-Dichloroethane-d4	5.08	65	126187	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.78%
32) Benzene-d6	5.10	84	419491	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
36) 1,2-Dichloropropane-d6	6.11	67	130058	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.54%
41) Toluene-d8	7.36	98	394234	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%
43) trans-1,3-Dichloropropene-	7.66	79	69255	49.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.84%
47) 2-Hexanone-d5	8.13	63	108034	97.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.17%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	173232	51.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.10%
66) 1,2-Dichlorobenzene-d4	11.67	152	153134	51.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.14%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	6483	2.462 ug/L	92
3) Chloromethane	1.26	50	5816	2.182 ug/L	94
5) Vinyl chloride	1.33	62	4443	2.176 ug/L #	76
6) Bromomethane	1.54	94	1924	2.049 ug/L	79
8) Chloroethane	1.60	64	2019	1.990 ug/L	91
9) Trichlorofluoromethane	1.77	101	6412	2.331 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3905	2.956 ug/L #	77
12) 1,1-Dichloroethene	2.14	96	3494	2.766 ug/L #	1
13) Acetone	2.19	43	7086	6.151 ug/L	98
14) Carbon disulfide	2.32	76	13066	2.130 ug/L	98
15) Methyl Acetate	2.46	43	3984	1.798 ug/L	99
16) Methylene chloride	2.54	84	6393	2.665 ug/L	92
17) trans-1,2-Dichloroethene	2.79	96	4761	2.139 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	16225	2.302 ug/L	99
19) 1,1-Dichloroethane	3.23	63	9205	2.313 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	5766	2.302 ug/L	100
22) 2-Butanone	4.03	43	7543m	4.427 ug/L	

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

23) Bromochloromethane	4.30	128	2763	2.330	ug/L	95
25) Chloroform	4.42	83	12748	3.150	ug/L	94
27) 1,2-Dichloroethane	5.18	62	6920	2.295	ug/L	95
29) Cyclohexane	4.73	56	8378	2.214	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	8067	2.297	ug/L	98
31) Carbon tetrachloride	4.88	117	7120m	2.298	ug/L	
33) Benzene	5.15	78	19659	2.173	ug/L	100
34) Trichloroethene	5.96	95	5914	2.466	ug/L	90
35) Methylcyclohexane	6.18	83	9008	2.298	ug/L	99
37) 1,2-Dichloropropane	6.22	63	5665	2.458	ug/L #	92
38) Bromodichloromethane	6.55	83	6884	2.226	ug/L	86
39) cis-1,3-Dichloropropene	7.07	75	8341	2.170	ug/L	94
40) 4-Methyl-2-pentanone	7.27	43	12187	4.092	ug/L	95
42) Toluene	7.43	91	22985	2.369	ug/L	95
44) trans-1,3-Dichloropropene	7.69	75	7289	2.115	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	5089	2.302	ug/L	94
46) Tetrachloroethene	8.02	164	3899	2.131	ug/L #	79
48) 2-Hexanone	8.18	43	10429	4.549	ug/L	94
49) Dibromochloromethane	8.29	129	5688	2.279	ug/L	95
50) 1,2-Dibromoethane	8.40	107	5550	2.318	ug/L #	85
51) Chlorobenzene	8.92	112	15178	2.395	ug/L	99
52) Ethylbenzene	9.05	91	24807	2.280	ug/L	92
53) m,p-Xylene	9.18	106	9609	2.293	ug/L	92
54) o-Xylene	9.58	106	9255	2.307	ug/L	99
55) Styrene	9.60	104	15531	2.266	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	8763	2.529	ug/L #	97
59) Bromoform	9.77	173	3993	2.312	ug/L #	97
60) Isopropylbenzene	9.97	105	23811	2.274	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	6602	2.408	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	20023	2.234	ug/L	100
63) 1,2,4-Trimethylbenzene	10.96	105	18736	2.120	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	12067	2.443	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	12451	2.449	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	11569	2.416	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.47	75	1692	2.203	ug/L	95
69) 1,3,5-Trichlorobenzene	12.69	180	7795	2.240	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	6640	2.078	ug/L	98
71) Naphthalene	13.55	128	21578	2.056	ug/L	97
72) 1,2,3-Trichlorobenzene	13.79	180	6416	2.067	ug/L	99

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

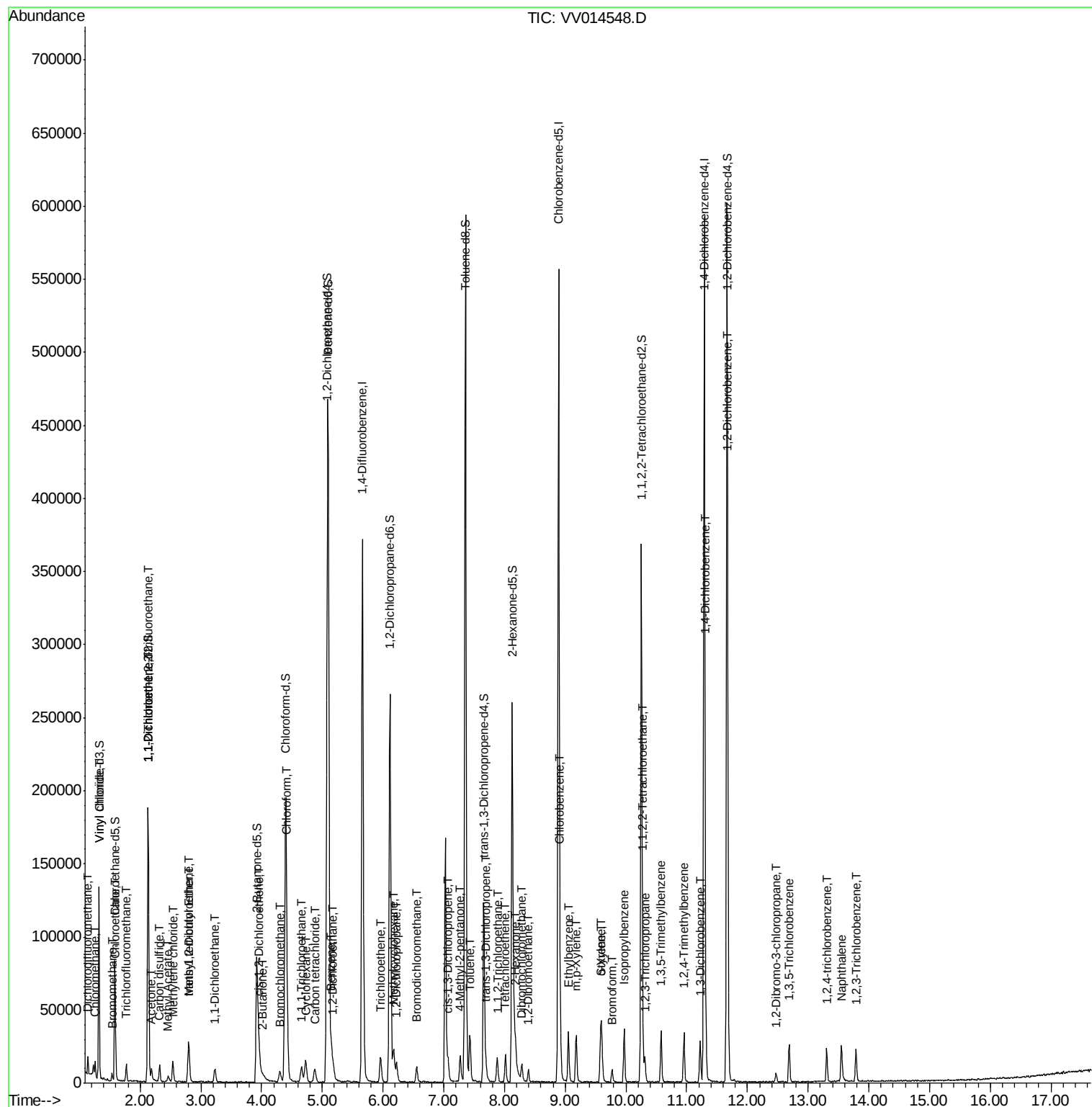
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV021020\
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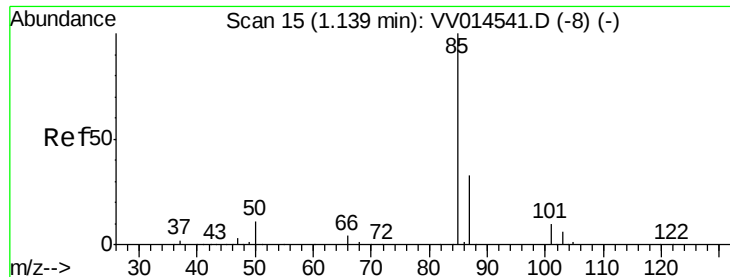
Instrument :
MSVOA_V
ClientSampleID :
MDL04

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#2

Dichlorodifluoromethane

Concen: 2.462 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 85 Resp: 6483

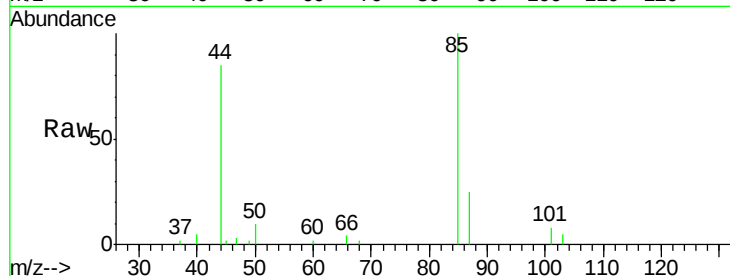
Ion Ratio Lower Upper

85 100

87 27.6 25.7 38.5

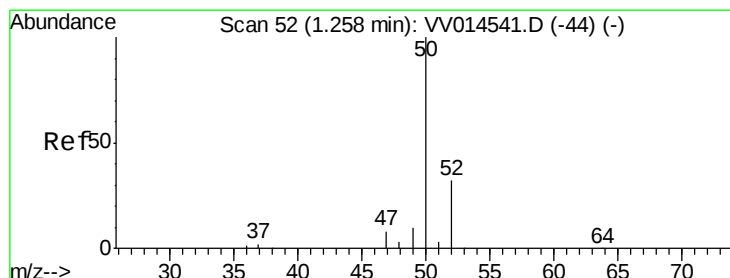
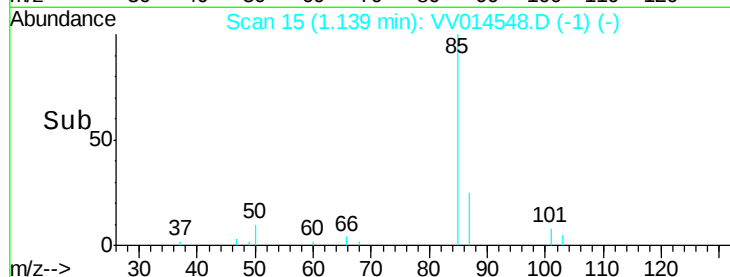
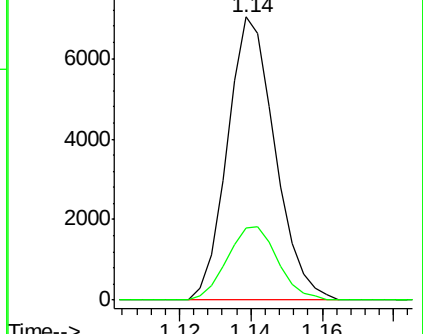
Manual Integrations
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2/12/2020 3:06:21 PM



Abundance Ion 85.00 (84.70 to 85.70): VV014541.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014541.D (-8) (-)



#3

Chloromethane

Concen: 2.182 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014548.D

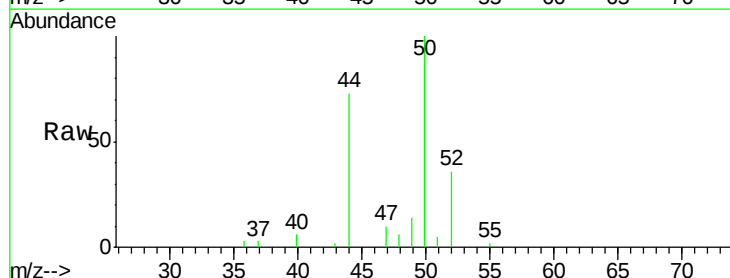
Acq: 10 Feb 2020 13:45

Tgt Ion: 50 Resp: 5816

Ion Ratio Lower Upper

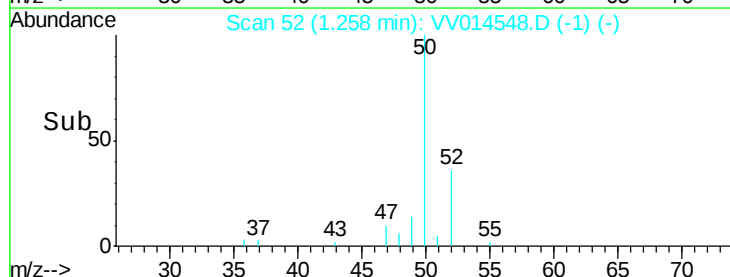
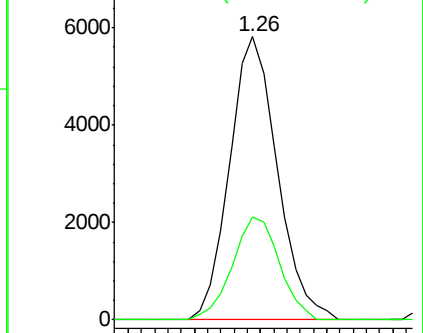
50 100

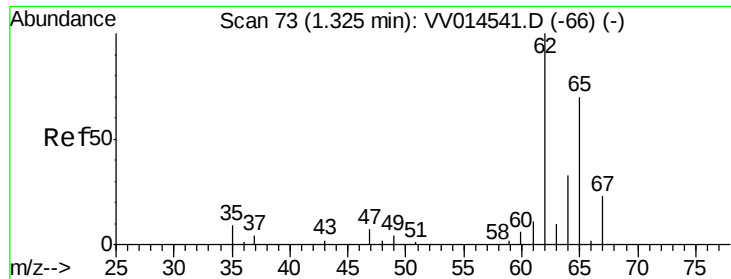
52 36.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014541.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014541.D (-44) (-)





#5

Vinyl chloride

Concen: 2.176 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 4443

Ion Ratio Lower Upper

62 100

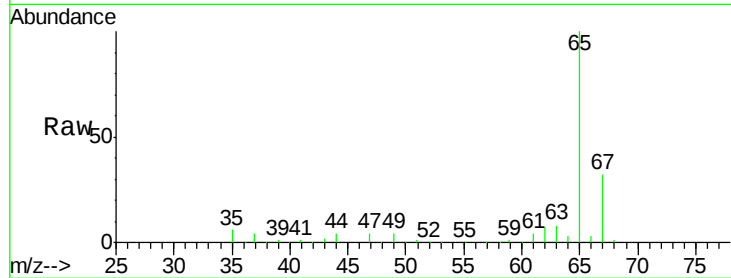
64 46.6 23.1 42.9#

Manual Integrations

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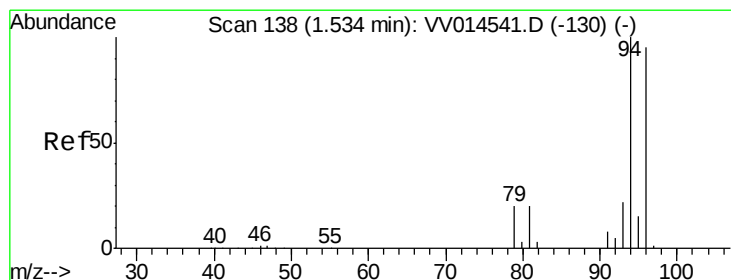
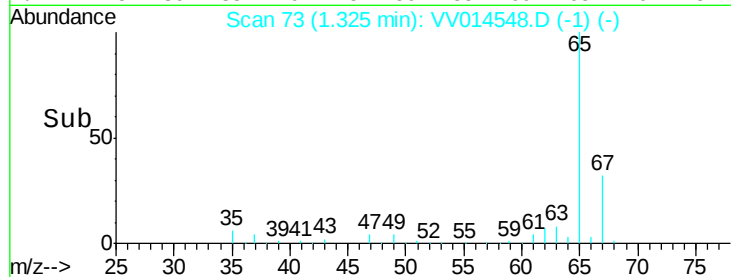
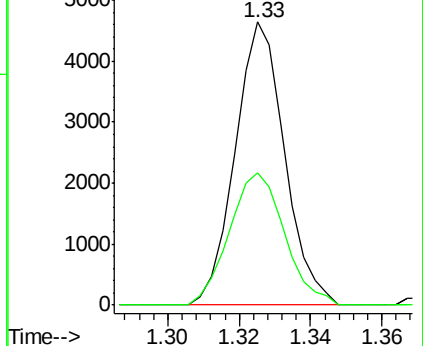
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.049 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014548.D

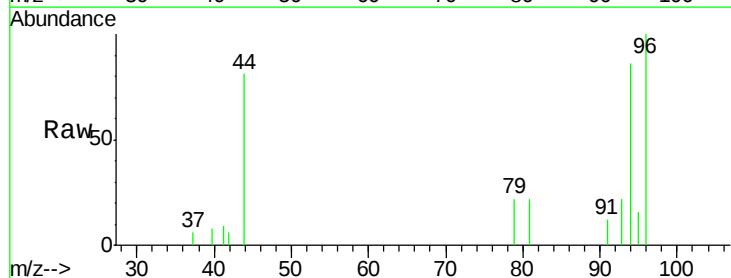
Acq: 10 Feb 2020 13:45

Tgt Ion: 94 Resp: 1924

Ion Ratio Lower Upper

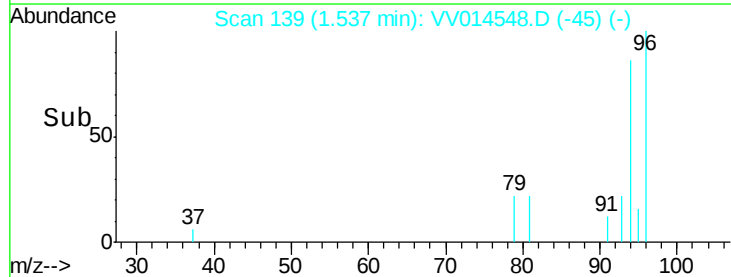
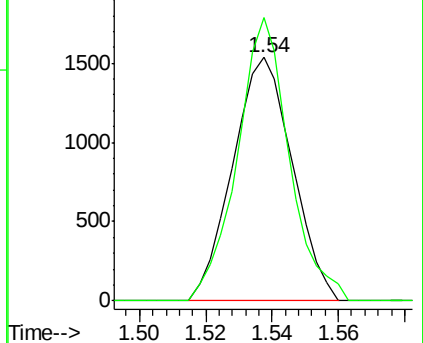
94 100

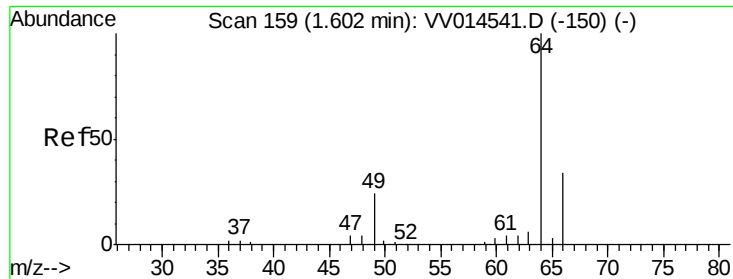
96 116.3 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.990 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 2019

Ion Ratio Lower Upper

64 100

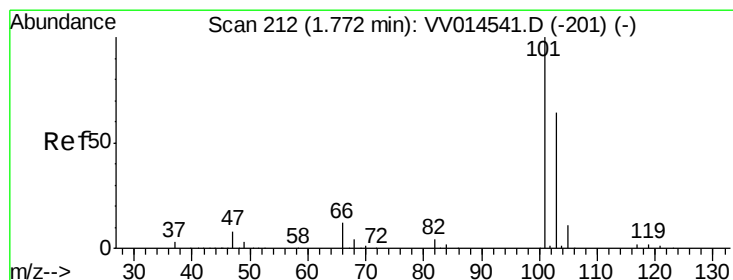
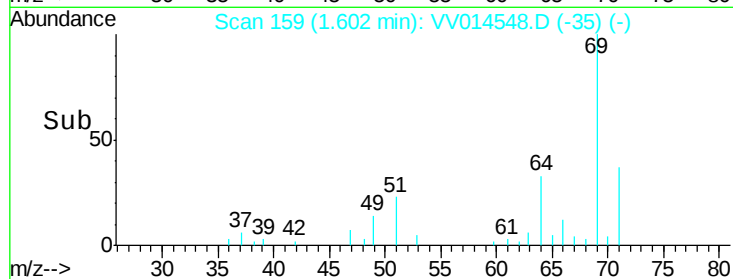
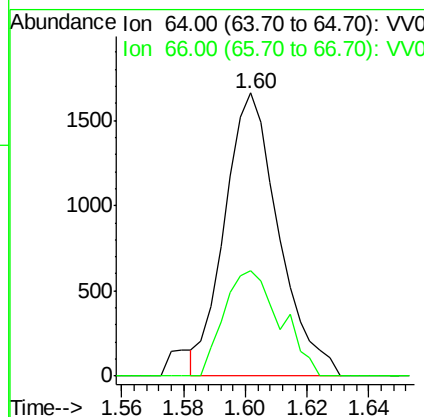
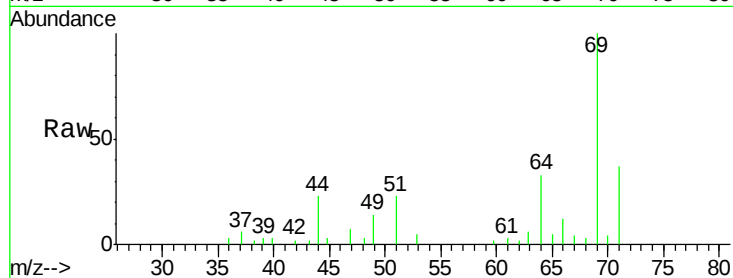
66 37.1 22.4 41.6

Manual Integrations

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2/12/2020 3:06:21 PM



#9

Trichlorofluoromethane

Concen: 2.331 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014548.D

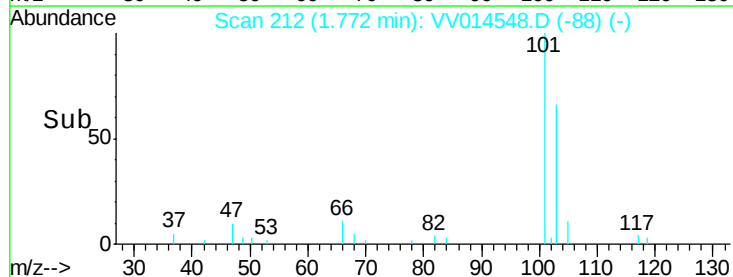
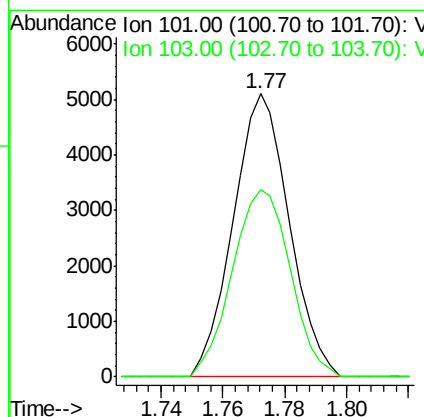
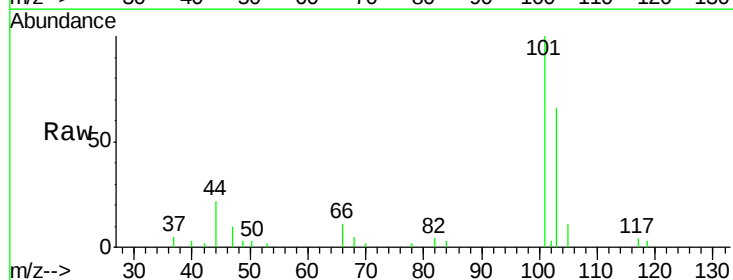
Acq: 10 Feb 2020 13:45

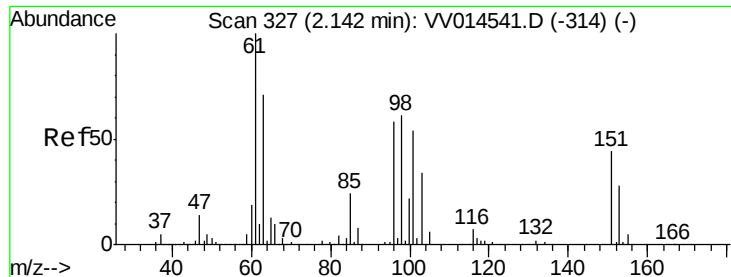
Tgt Ion: 101 Resp: 6412

Ion Ratio Lower Upper

101 100

103 68.4 51.8 77.8





#10

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

Concen: 2.956 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

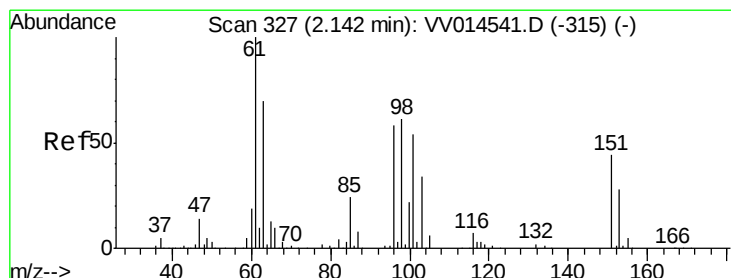
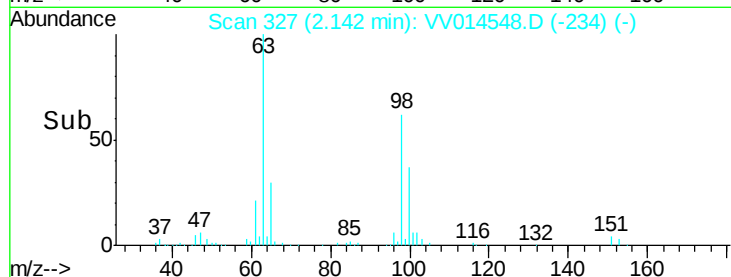
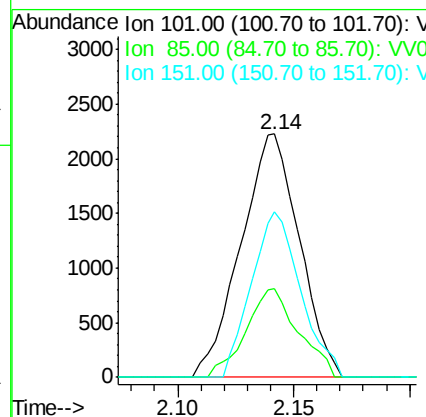
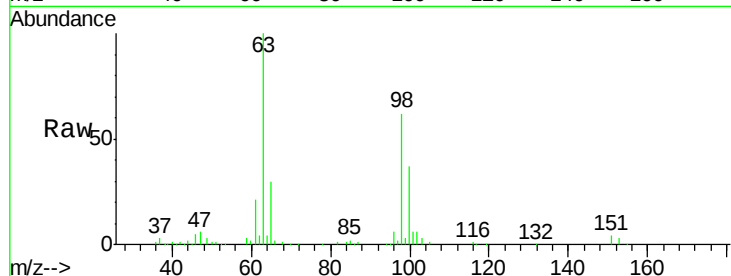
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	3905
Ion Ratio	Lower	Upper	
101	100		
85	32.6	35.0	52.6#
151	57.1	64.4	96.6#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.766 ug/L

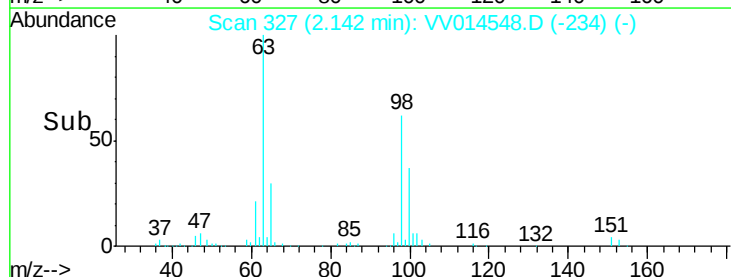
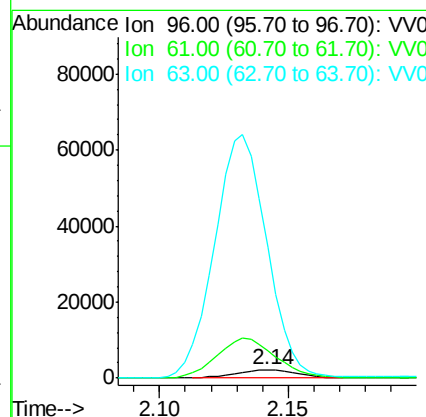
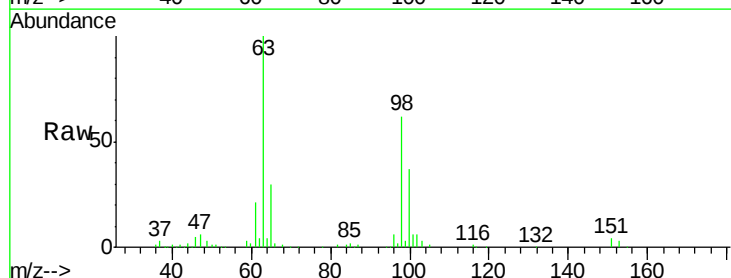
RT: 2.14 min Scan# 327

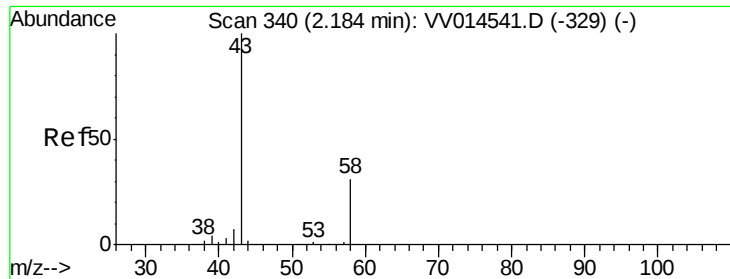
Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Tgt Ion:	96	Resp:	3494
Ion Ratio	Lower	Upper	
96	100		
61	335.4	125.0	232.2#
63	1592.2	101.6	188.6#





#13

Acetone

Concen: 6.151 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 7086

Ion Ratio Lower Upper

43 100

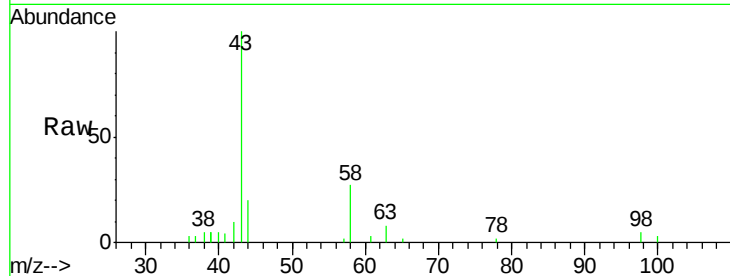
58 29.7 0.0 61.8

Manual Integrations

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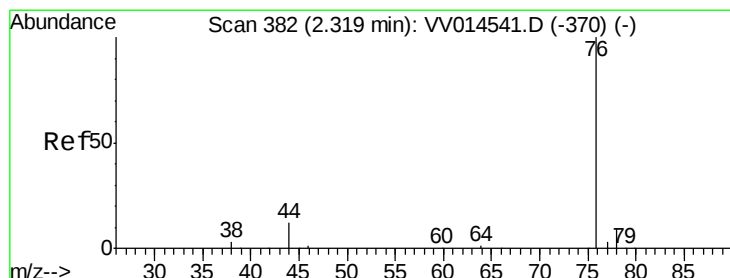
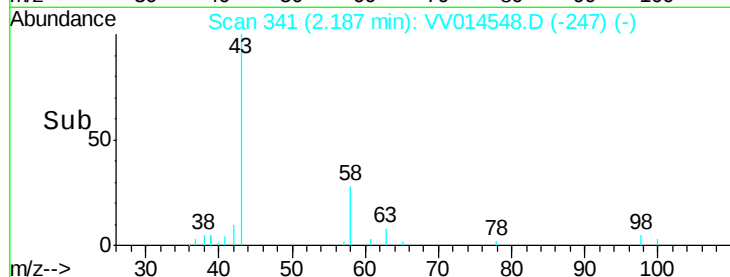
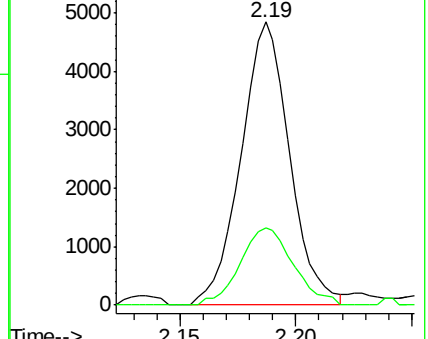
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.130 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014548.D

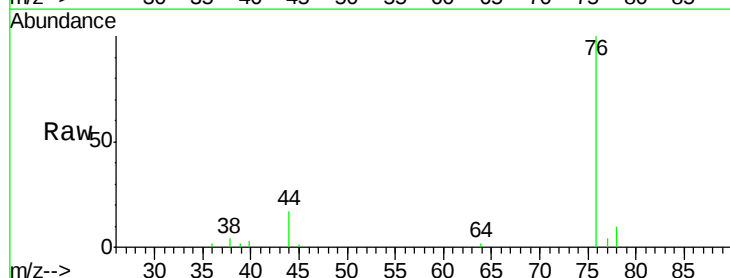
Acq: 10 Feb 2020 13:45

Tgt Ion: 76 Resp: 13066

Ion Ratio Lower Upper

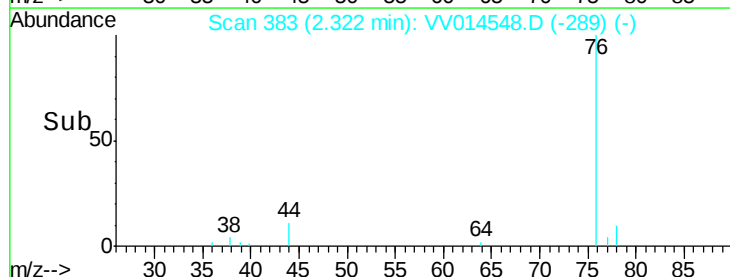
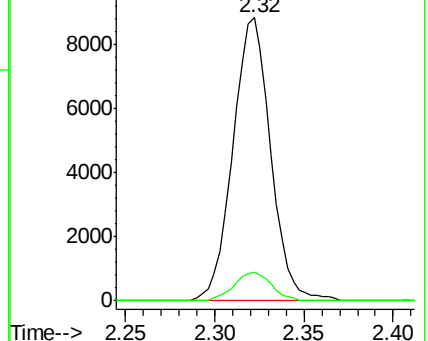
76 100

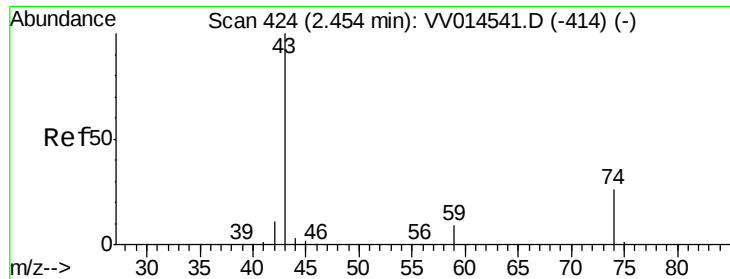
78 9.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





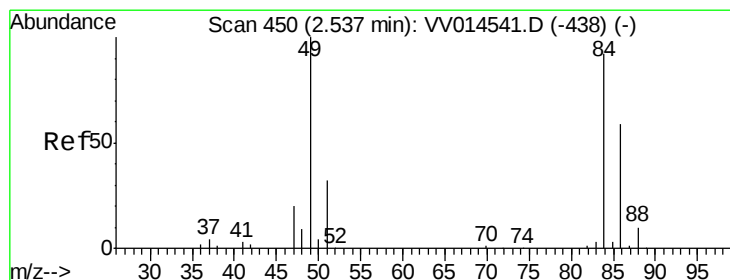
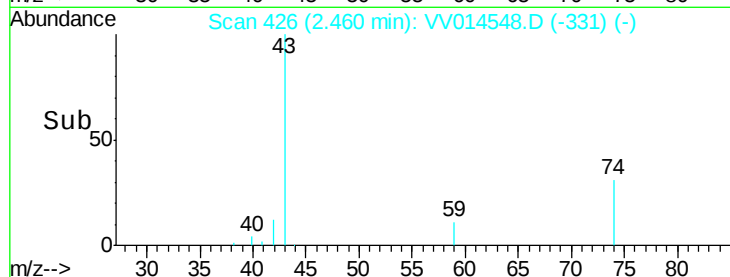
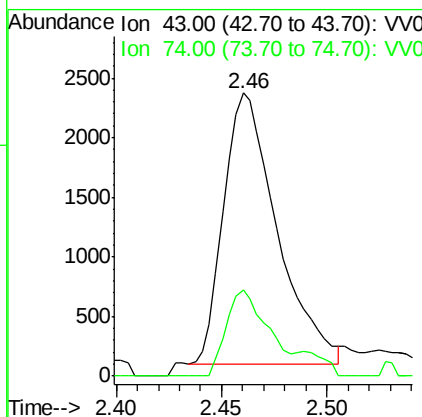
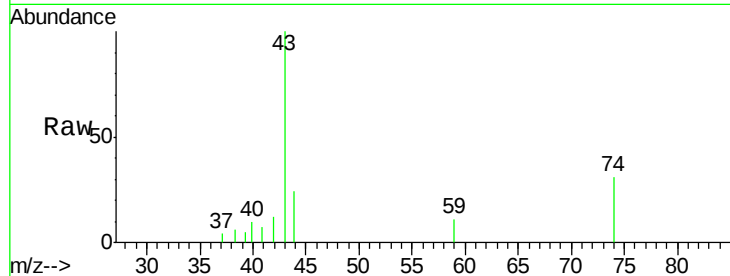
#15
Methvl Acetate
Concen: 1.798 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.0

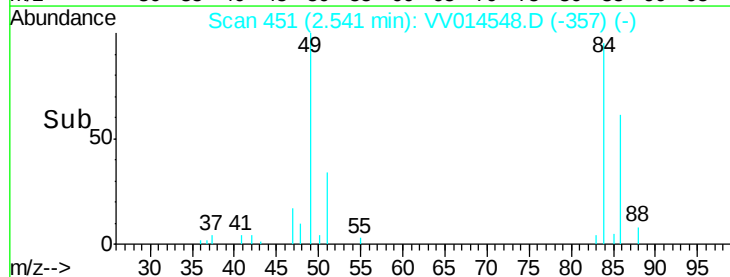
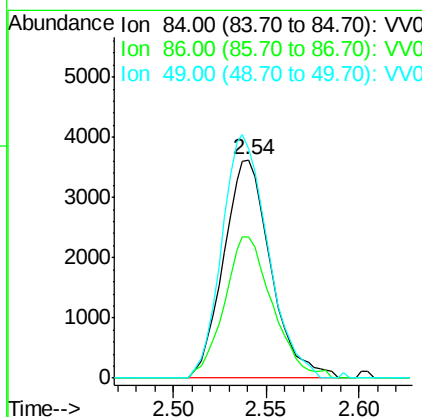
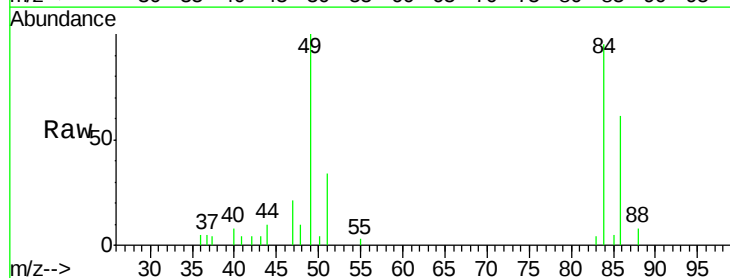
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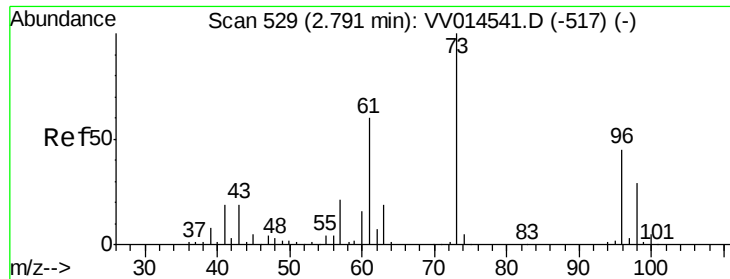
MMDadoda
2/12/2020 3:06:21 PM



#16
Methylene chloride
Concen: 2.665 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion: 84 Resp: 6393
Ion Ratio Lower Upper
84 100
86 64.8 44.6 82.8
49 105.5 83.2 154.4





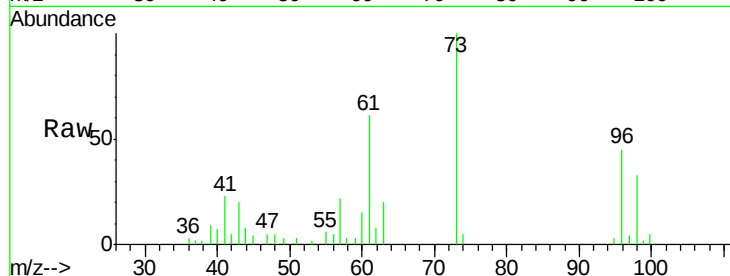
#17
trans-1,2-Dichloroethene
Concen: 2.139 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

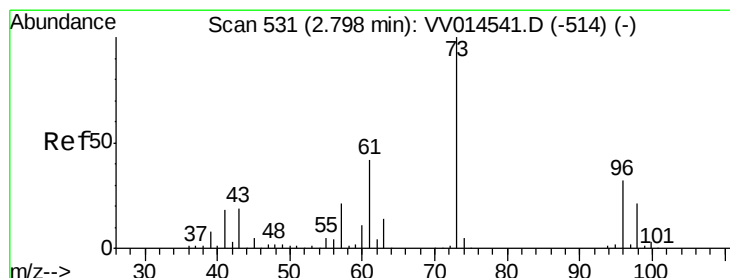
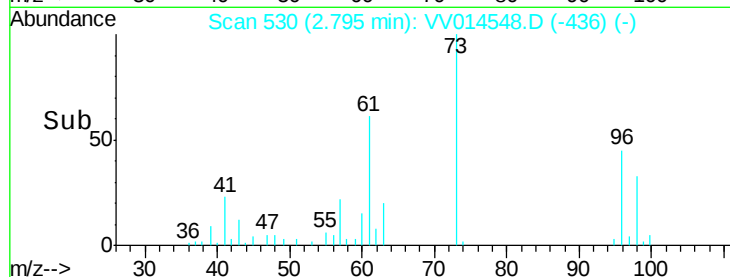
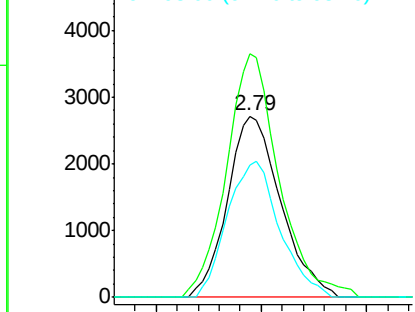
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	95.8	178.0
98	72.8	45.1	83.7

Manual Integrations
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MMDadoda
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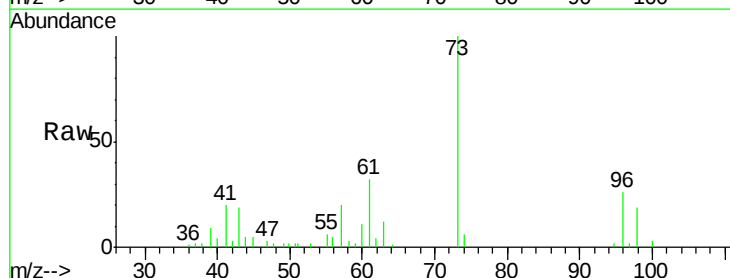


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

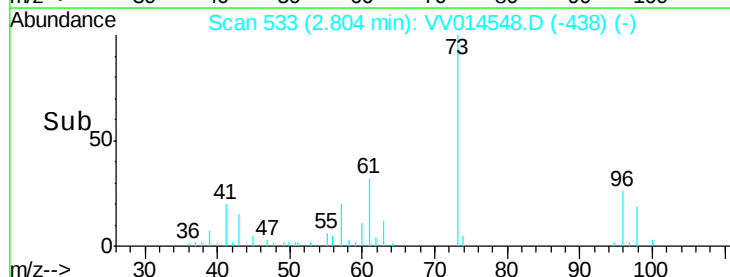
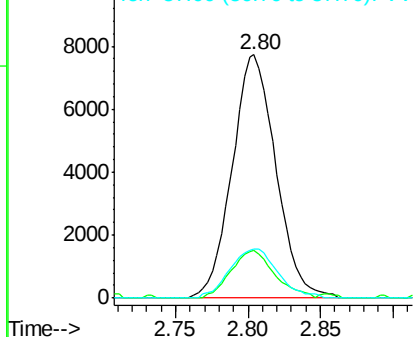


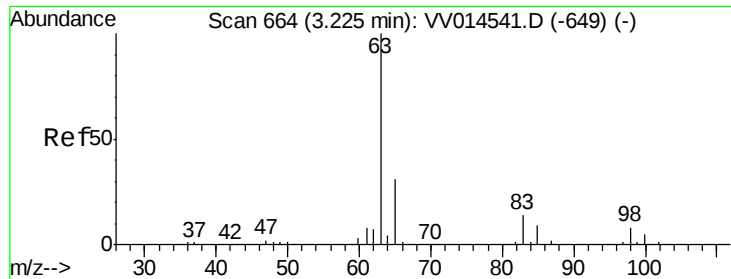
#18
Methyl tert-butyl Ether
Concen: 2.302 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.01 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.5	14.9	22.3
57	22.2	17.5	26.3



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





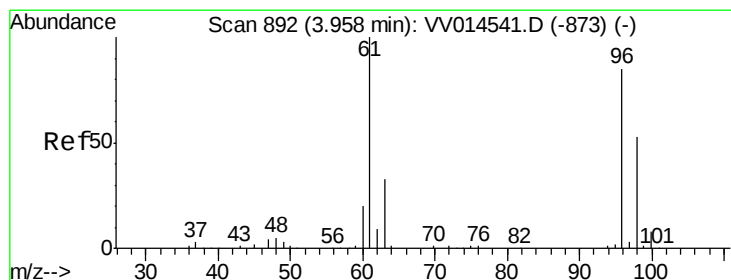
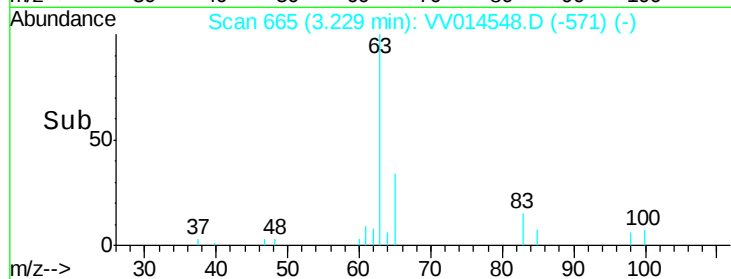
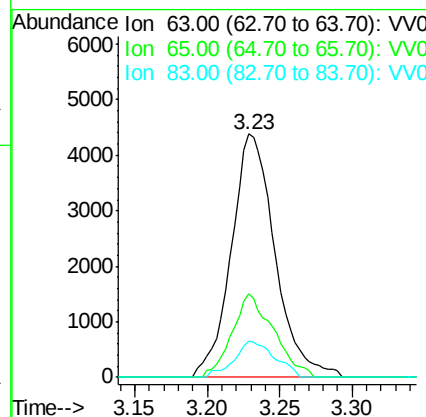
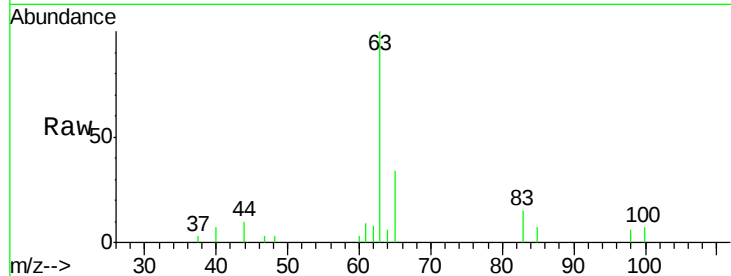
#19
 1,1-Dichloroethane
 Concen: 2.313 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.3	22.5	41.7
83	14.8	9.7	18.1

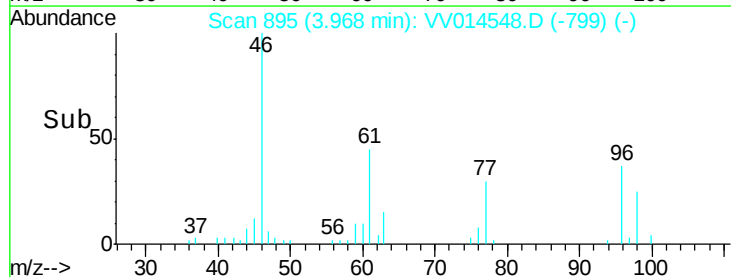
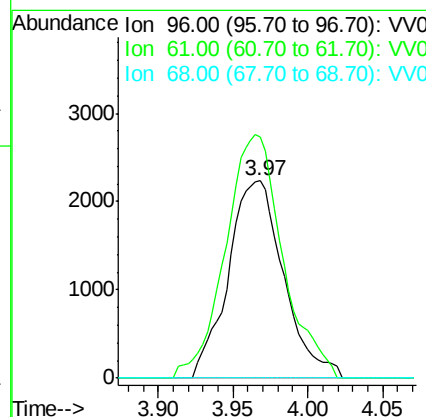
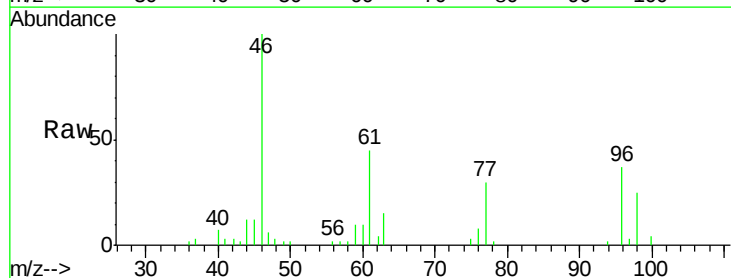
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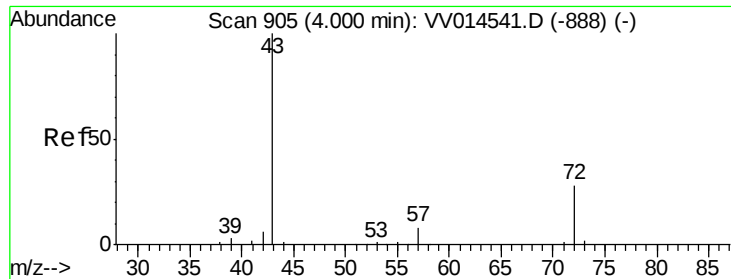
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.302 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.2	85.2	158.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.427 ug/L m

RT: 4.03 min Scan# 914

Delta R.T. 0.03 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 7543

Ion Ratio Lower Upper

43 100

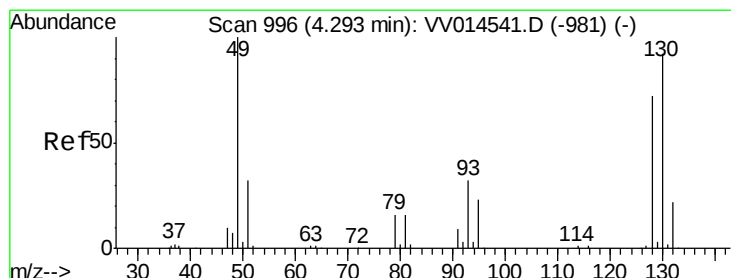
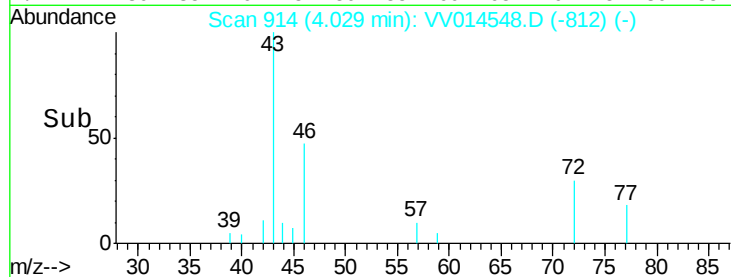
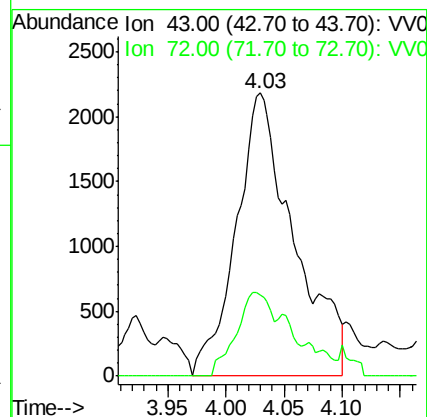
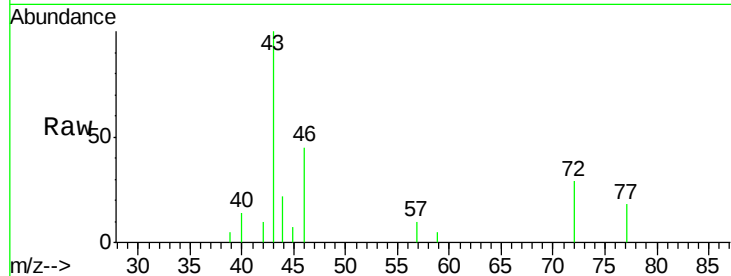
72 17.9 12.7 38.1

Manual Integrations

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2/12/2020 3:06:21 PM



#23

Bromochloromethane

Concen: 2.330 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Tgt Ion: 128 Resp: 2763

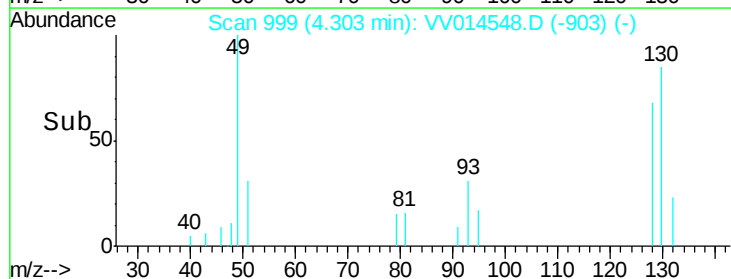
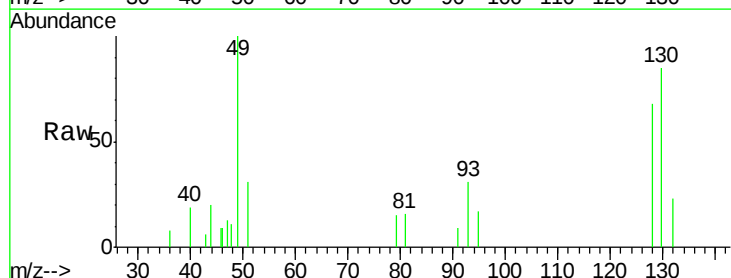
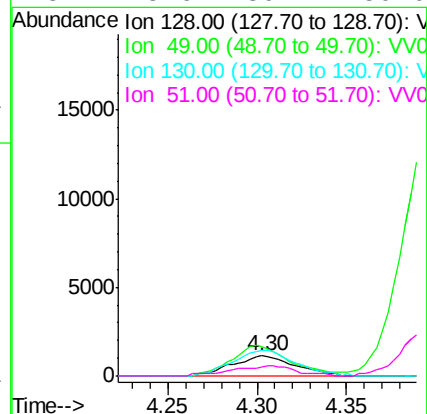
Ion Ratio Lower Upper

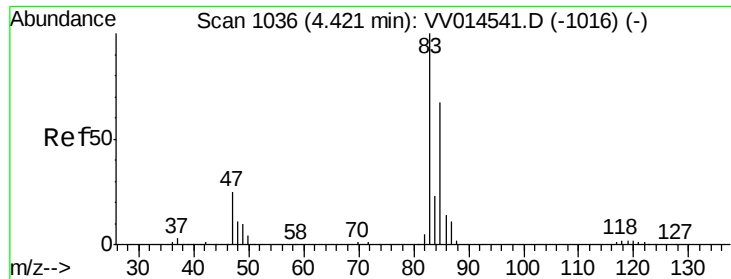
128 100

49 146.9 110.1 204.5

130 124.2 88.5 164.4

51 45.6 39.4 59.0





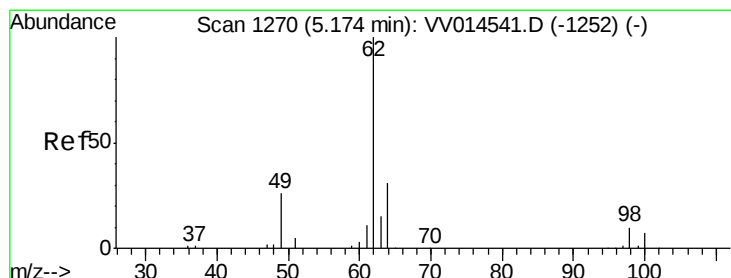
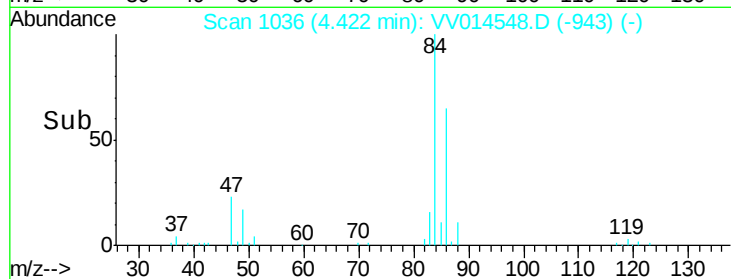
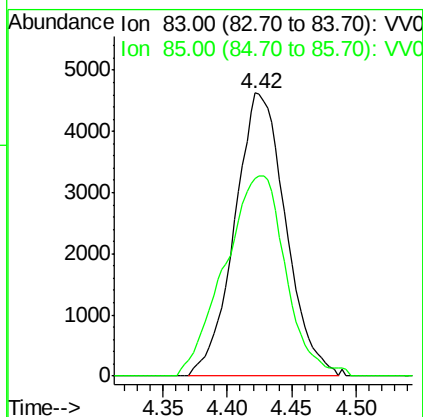
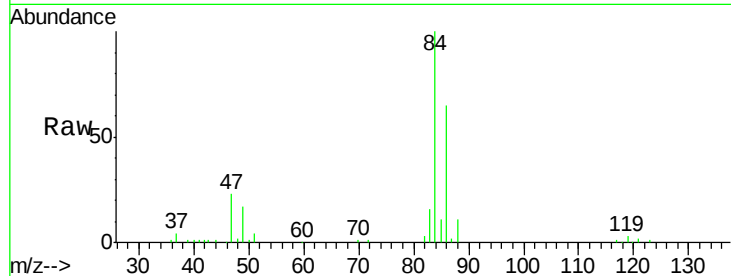
#25
Chloroform
Concen: 3.150 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	83	Resp	12748
Ion Ratio	100	Lower	Upper
85	70.0	45.8	85.0

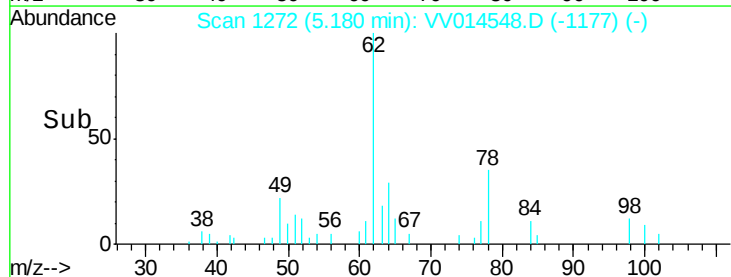
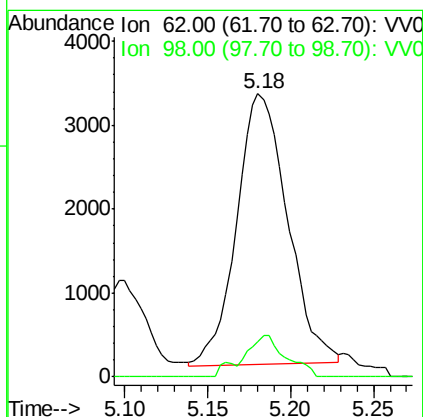
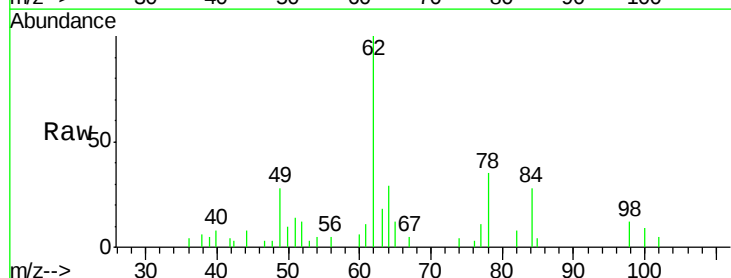
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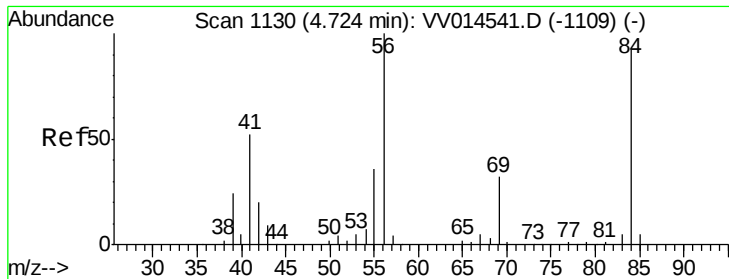
MMDadoda
2/12/2020 3:06:21 PM



#27
1,2-Dichloroethane
Concen: 2.295 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion	62	Resp	6920
Ion Ratio	100	Lower	Upper
98	12.3	8.2	12.4





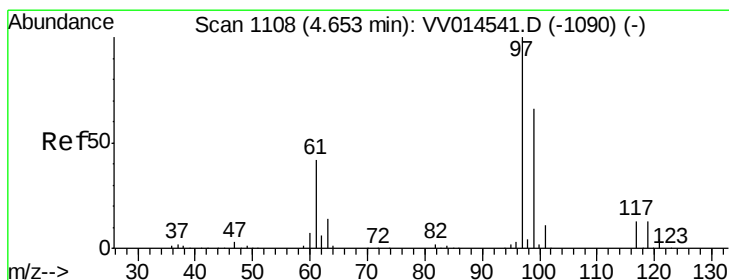
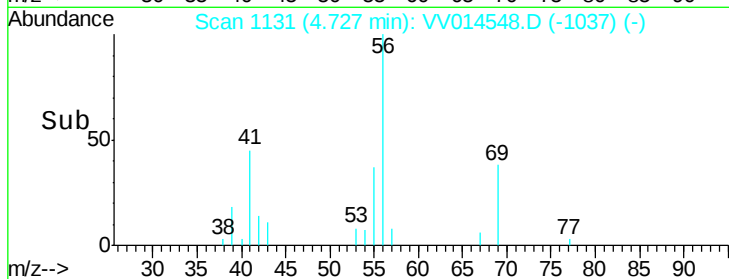
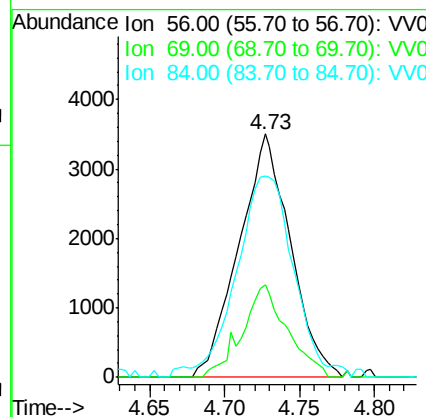
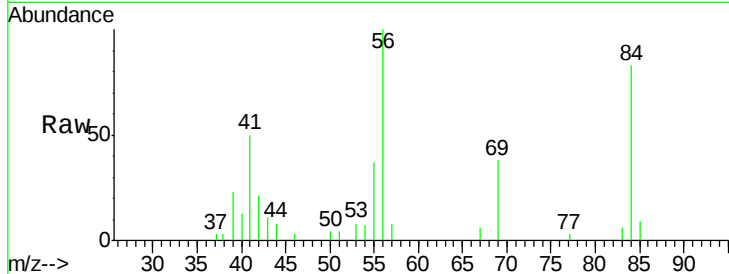
#29
Cyclohexane
Concen: 2.214 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	25.2	37.8
84	89.8	69.8	104.8

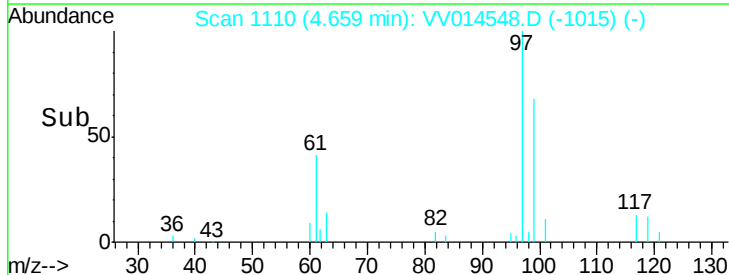
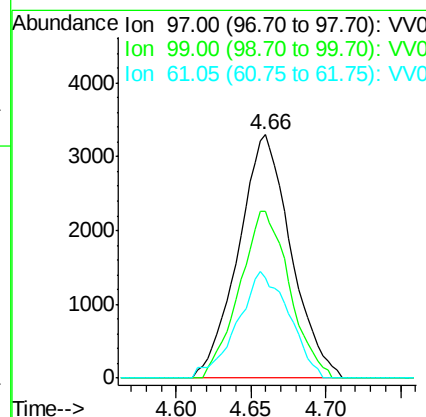
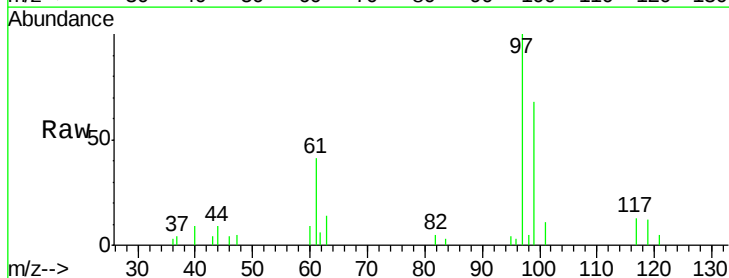
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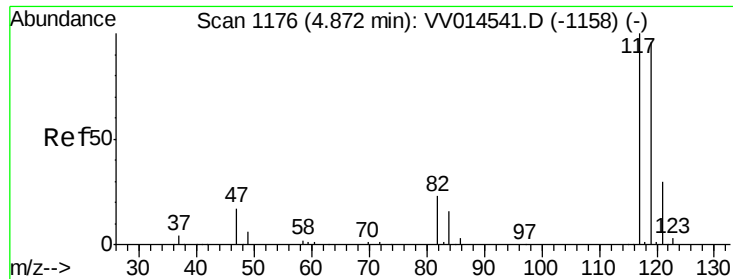
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 2.297 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.6	76.0
61	41.7	33.0	49.4





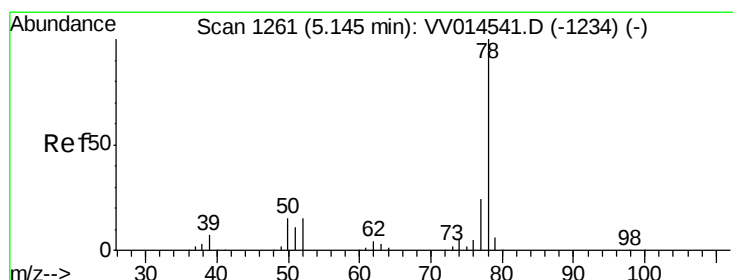
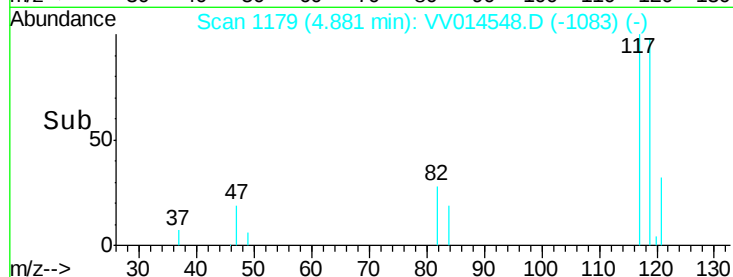
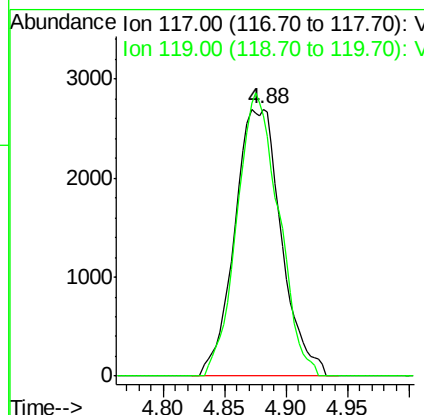
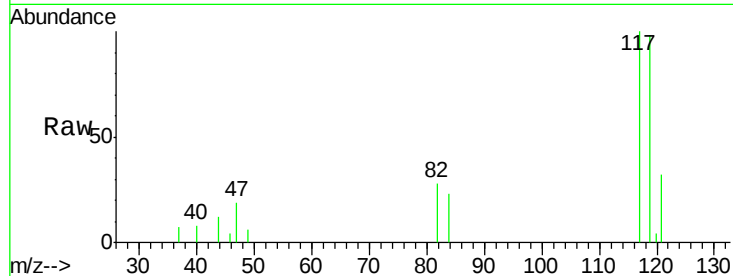
#31
Carbon tetrachloride
Concen: 2.298 ug/L m
RT: 4.88 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:117 Resp: 7120
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1

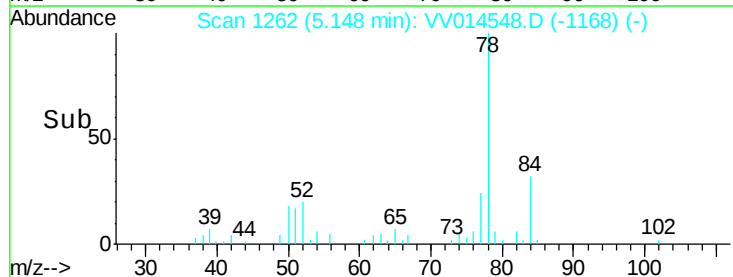
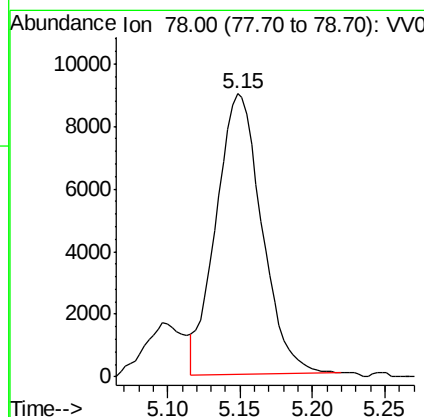
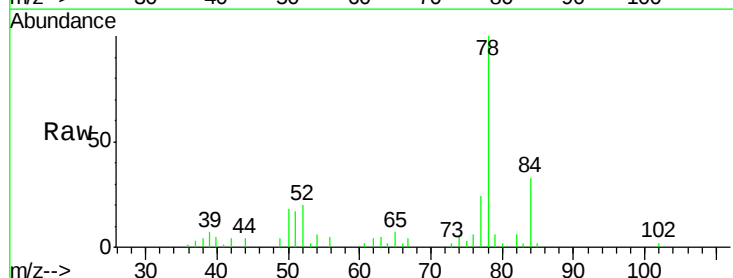
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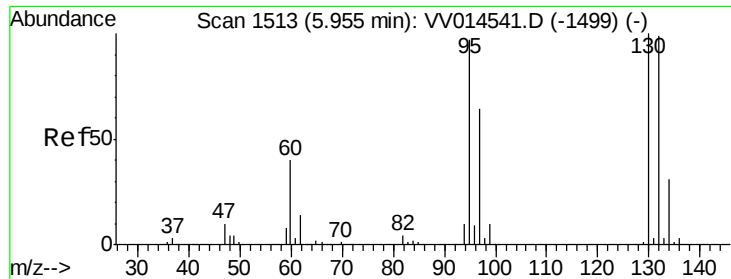
MMDadoda
2/12/2020 3:06:21 PM



#33
Benzene
Concen: 2.173 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion: 78 Resp: 19659





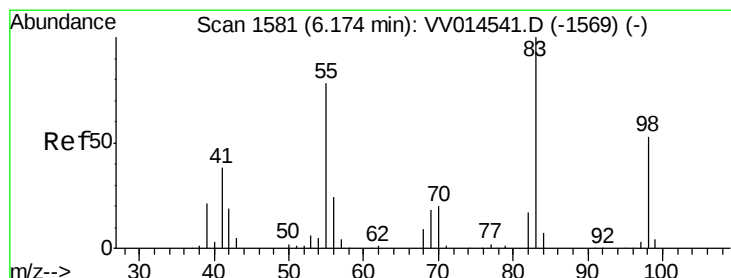
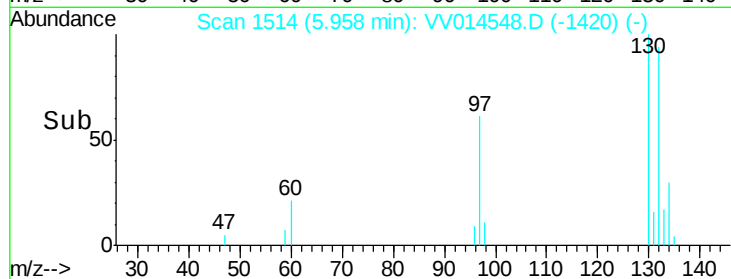
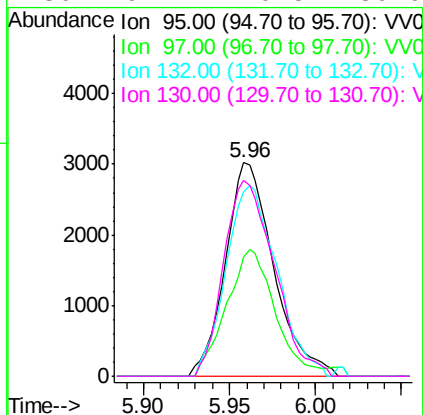
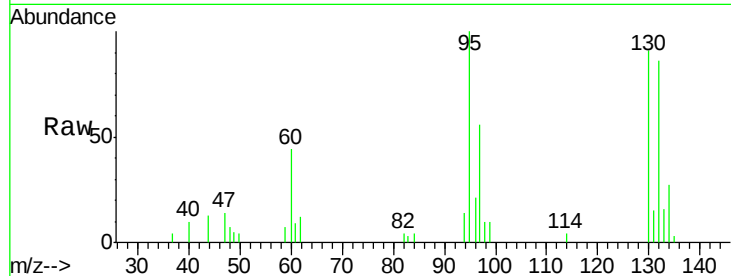
#34
 Trichloroethene
 Concen: 2.466 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	95	Resp:	5914
Ion	Ratio	Lower	Upper
95	100		
97	55.6	45.1	83.7
132	86.2	67.7	125.7
130	91.4	70.5	130.9

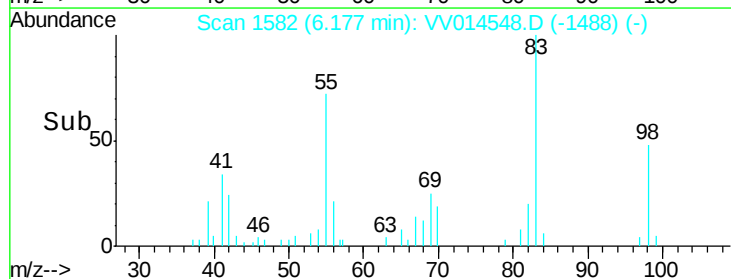
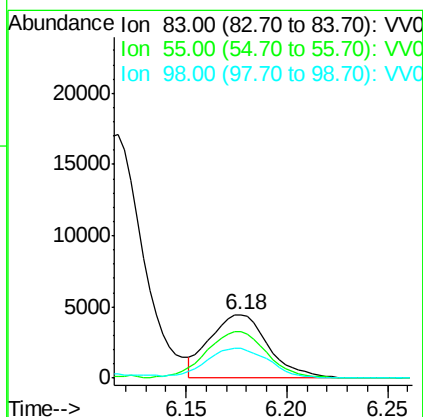
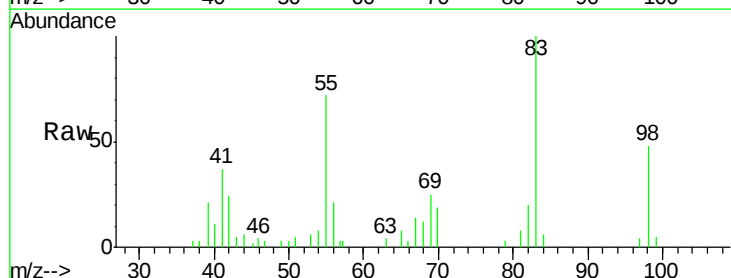
Manual Integrations
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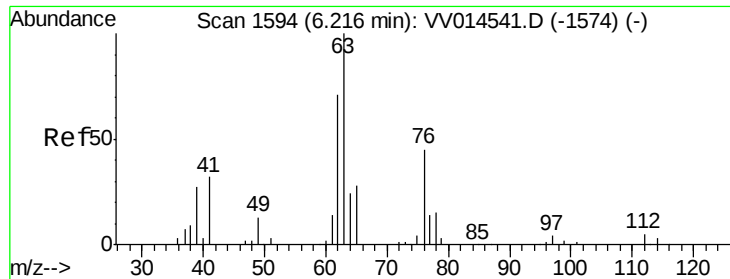
MMDadoda
 2/12/2020 3:06:21 PM



#35
 Methylcyclohexane
 Concen: 2.298 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Tgt Ion:	83	Resp:	9008
Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.7	91.1
98	50.2	39.4	59.0





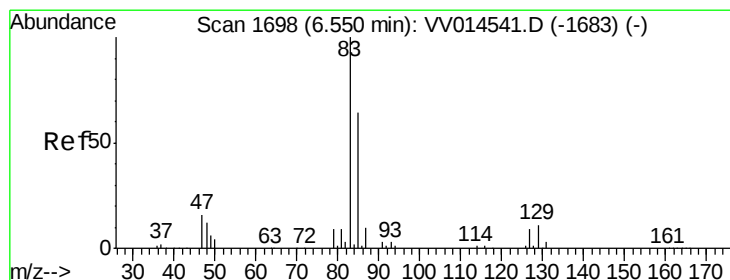
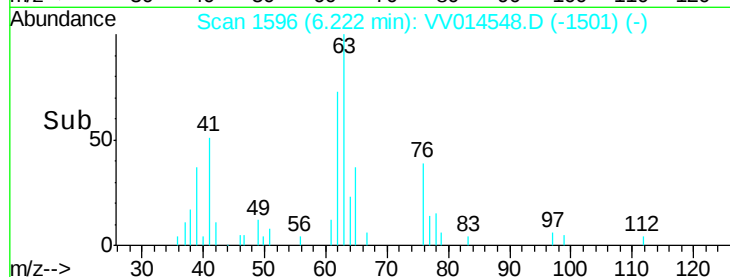
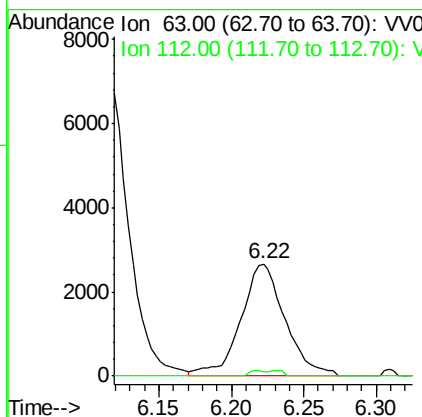
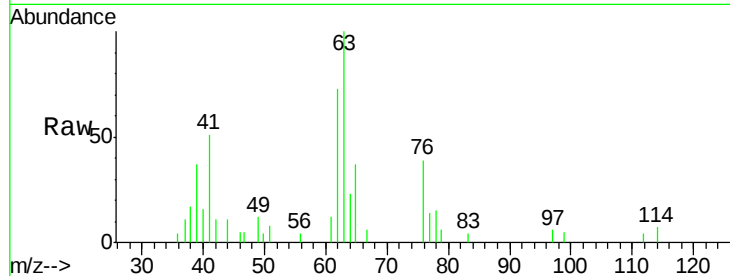
#37
 1,2-Dichloropropane
 Concen: 2.458 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 63 Resp: 5665
 Ion Ratio Lower Upper
 63 100
 112 2.0 3.7 5.5#

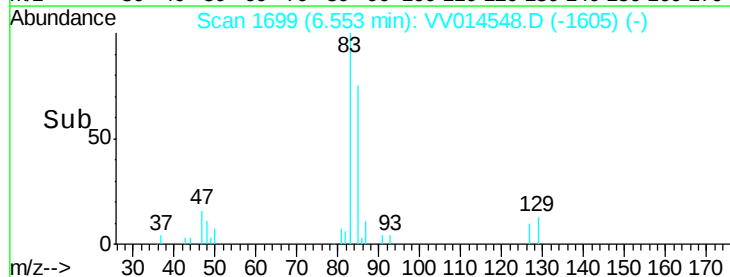
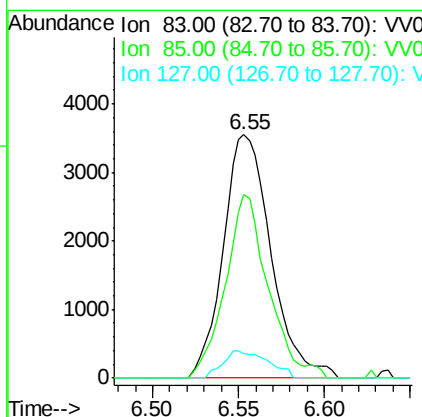
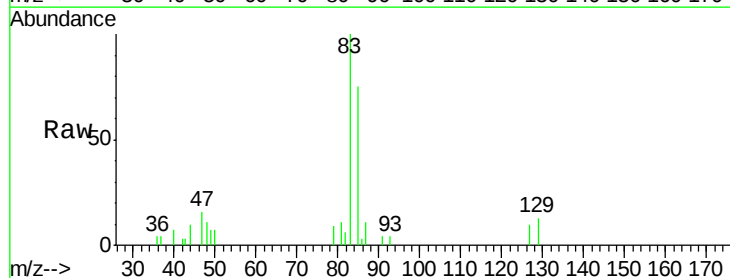
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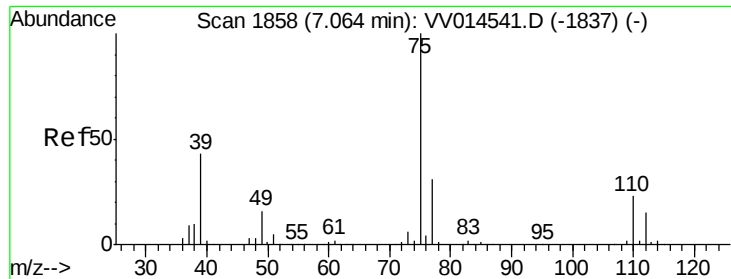
MMDadoda
 2/12/2020 3:06:21 PM



#38
 Bromodichloromethane
 Concen: 2.226 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Tgt Ion: 83 Resp: 6884
 Ion Ratio Lower Upper
 83 100
 85 75.1 44.4 82.4
 127 10.1 6.7 10.1





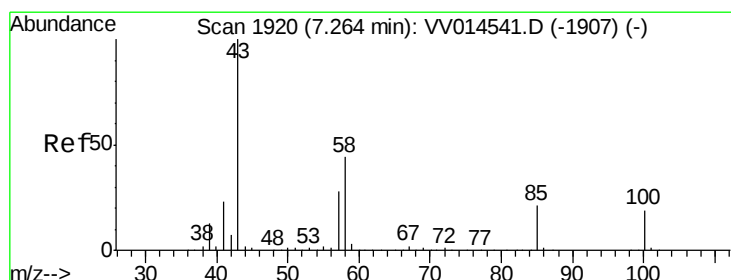
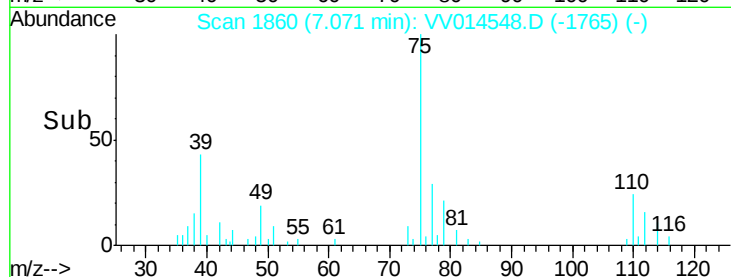
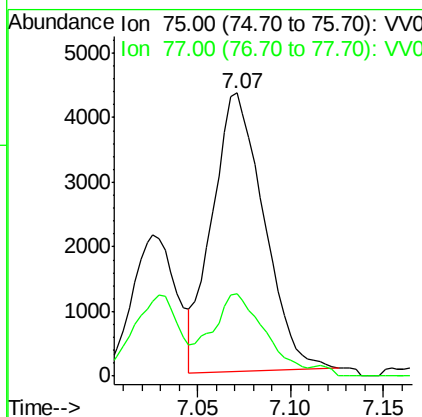
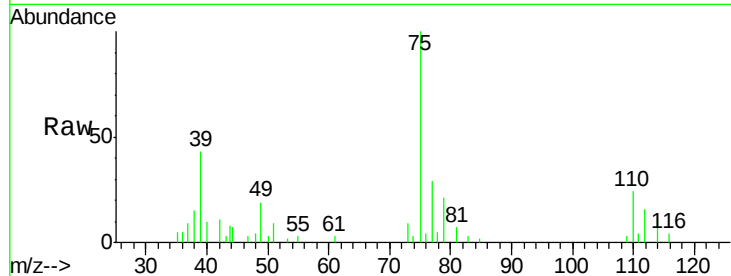
#39
 cis-1,3-Dichloropropene
 Concen: 2.170 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 8341
 Ion Ratio Lower Upper
 75 100
 77 29.1 22.7 42.1

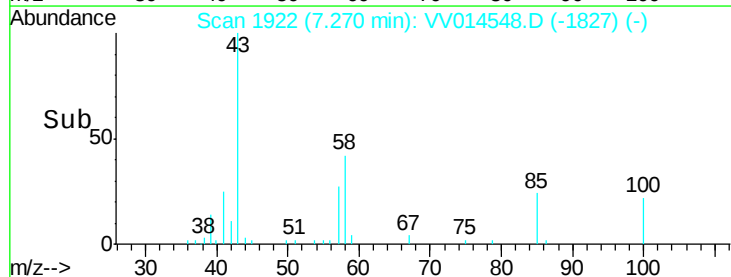
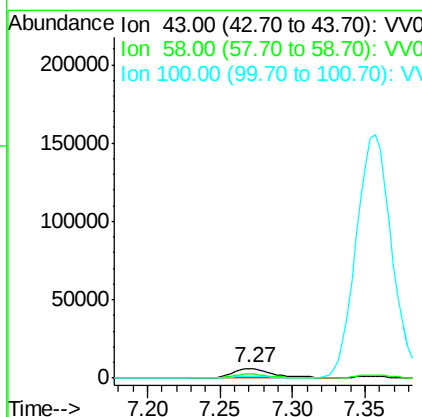
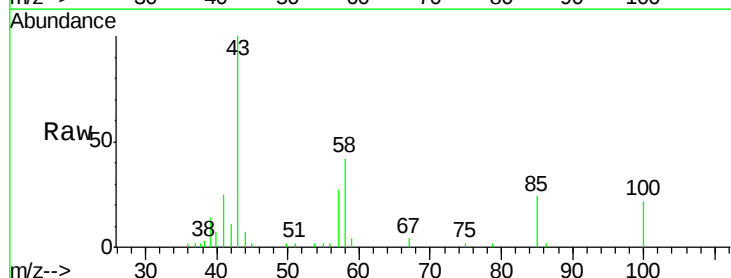
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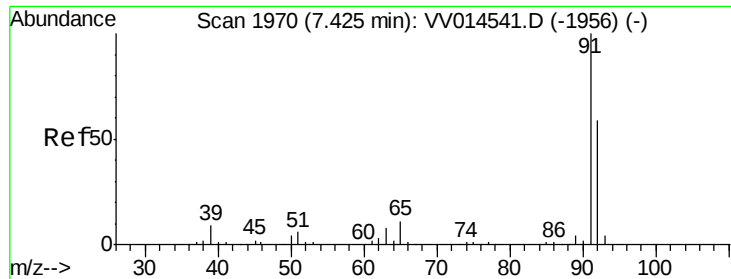
MMDadoda
 2/12/2020 3:06:21 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.092 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Tgt Ion: 43 Resp: 12187
 Ion Ratio Lower Upper
 43 100
 58 38.1 33.2 49.8
 100 19.5 13.9 20.9





#42

Toluene

Concen: 2.369 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 22985

Ion Ratio Lower Upper

91 100

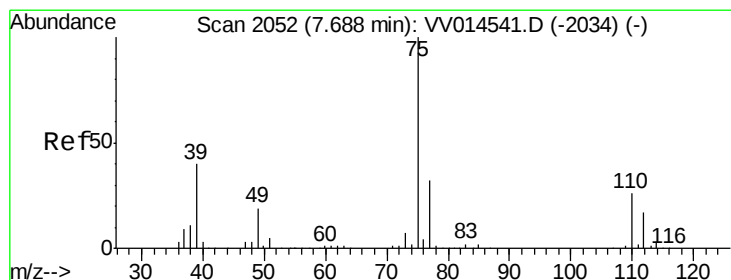
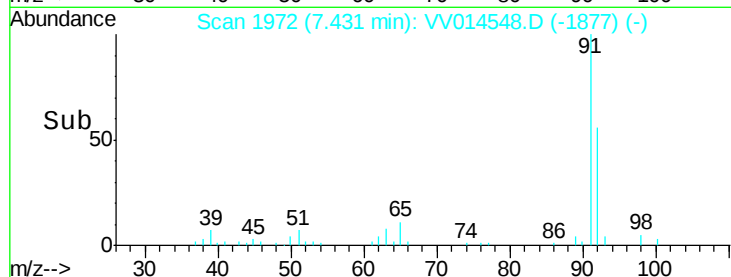
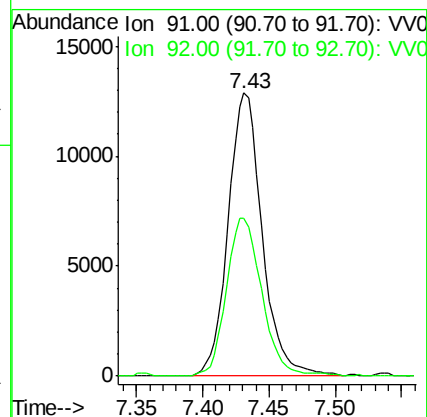
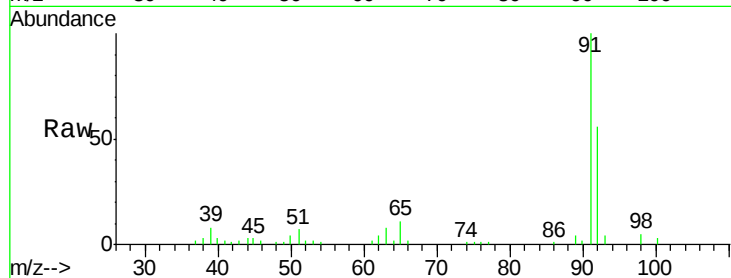
92 55.9 41.6 77.2

Manual Integrations

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MMDadoda

2/12/2020 3:06:21 PM



#44

trans-1,3-Dichloropropene

Concen: 2.115 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VV014548.D

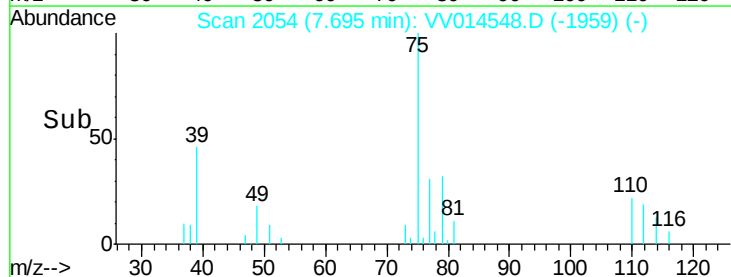
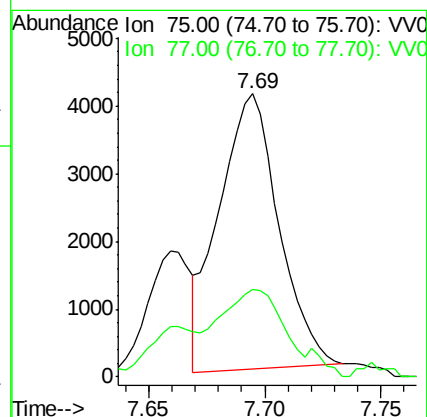
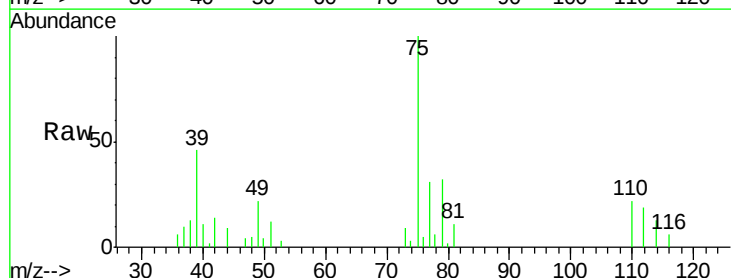
Acq: 10 Feb 2020 13:45

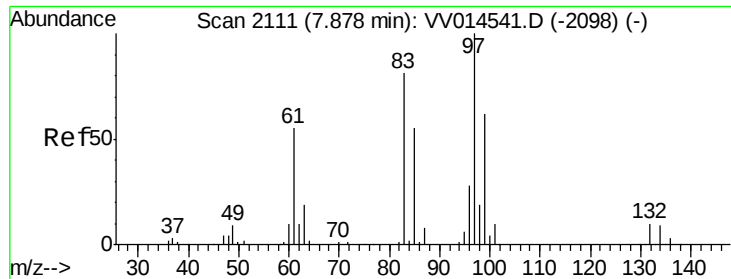
Tgt Ion: 75 Resp: 7289

Ion Ratio Lower Upper

75 100

77 30.7 22.2 41.2





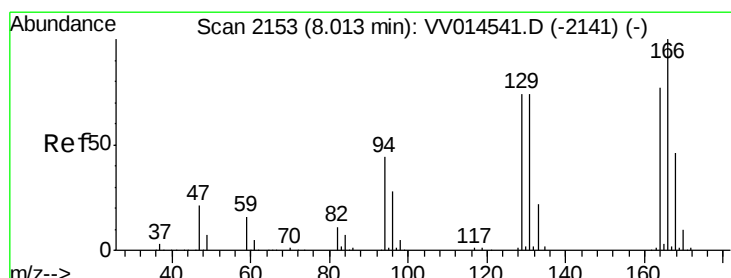
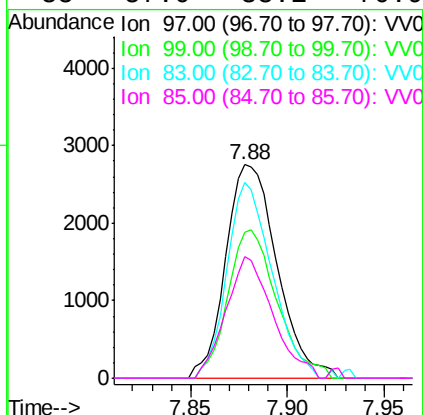
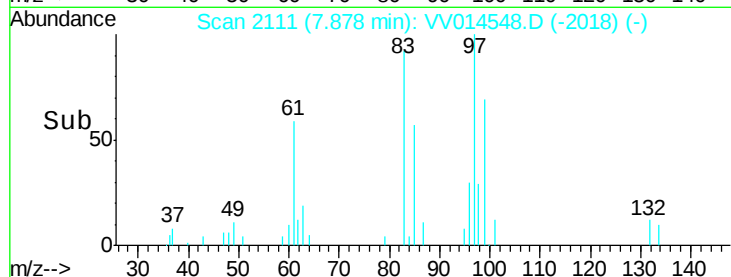
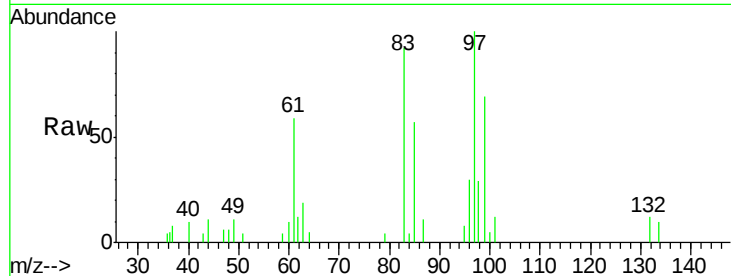
#45
1,1,2-Trichloroethane
Concen: 2.302 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:	97	Resp:	5089
Ion	Ratio	Lower	Upper
97	100		
99	68.6	44.5	82.7
83	91.5	60.1	111.5
85	57.0	38.1	70.9

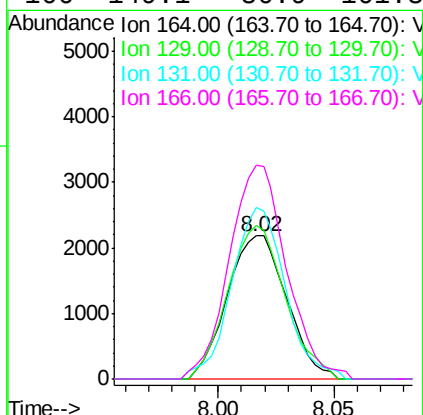
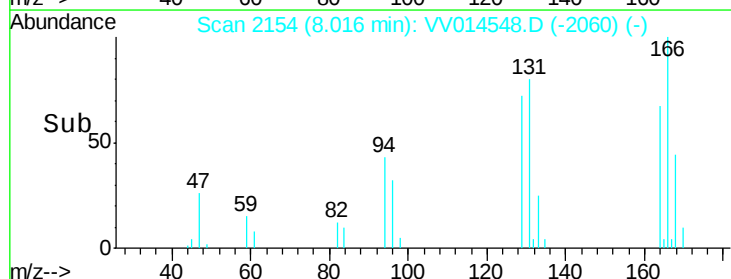
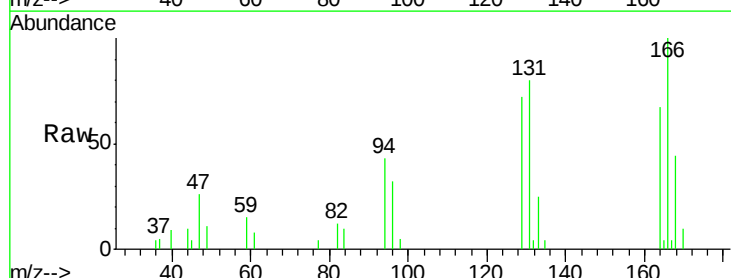
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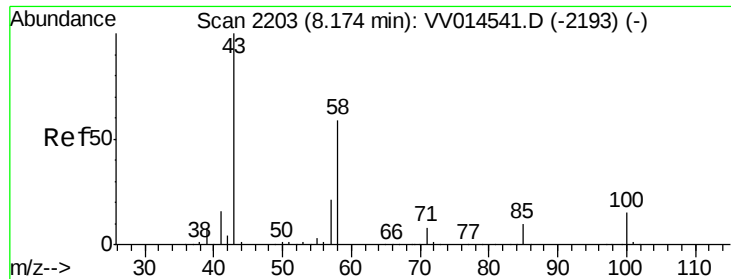
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#46
Tetrachloroethene
Concen: 2.131 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion:	164	Resp:	3899
Ion	Ratio	Lower	Upper
164	100		
129	107.5	68.0	126.4
131	119.9	63.4	117.8#
166	149.1	86.9	161.3





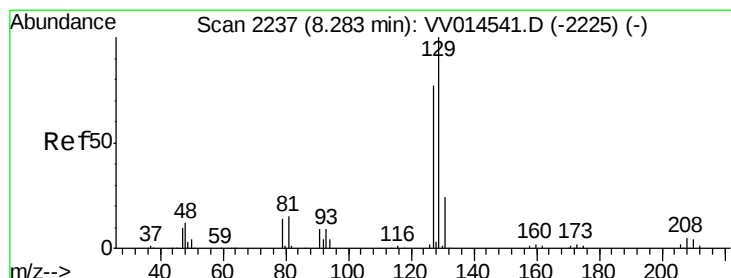
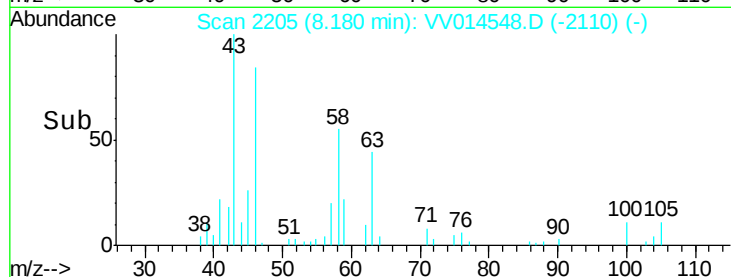
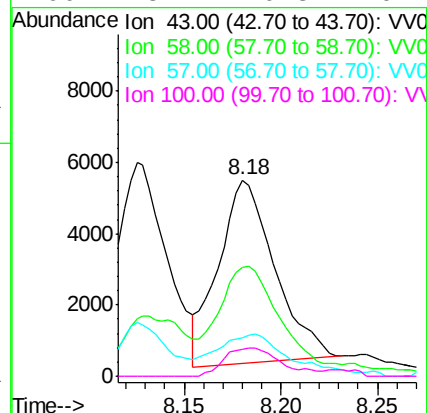
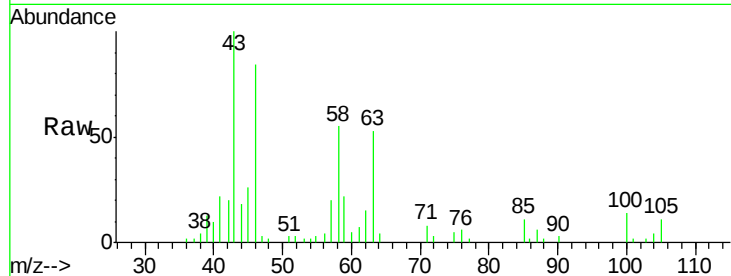
#48
2-Hexanone
Concen: 4.549 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	51.7	45.5	68.3	
57	17.1	15.8	23.6	
100	15.4	10.8	16.2	

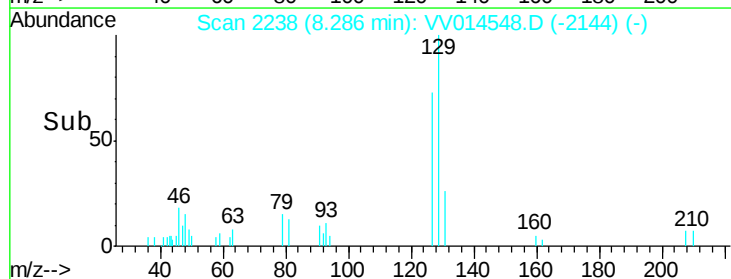
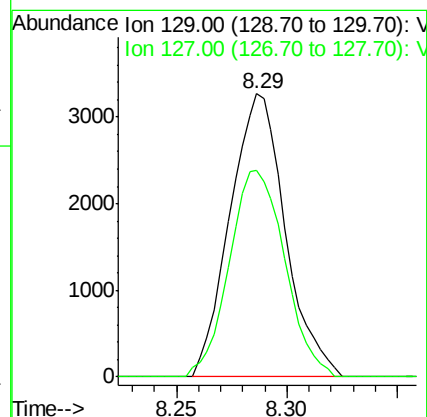
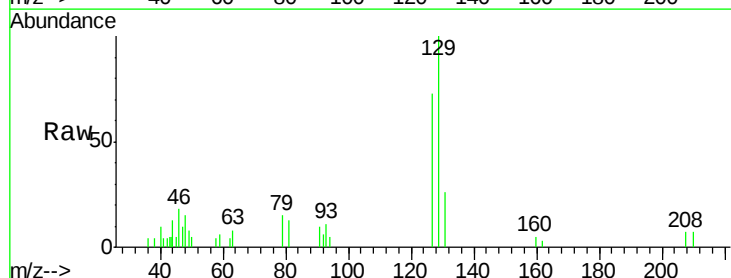
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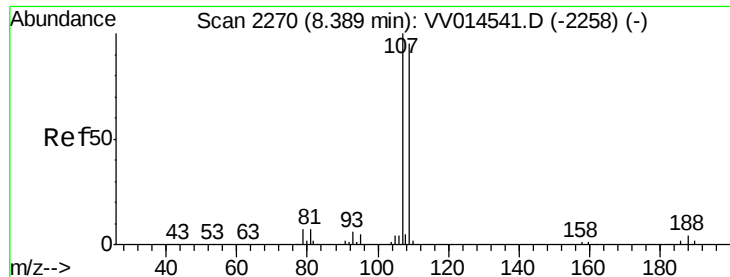
MMDadoda
2/12/2020 3:06:21 PM



#49
Dibromochloromethane
Concen: 2.279 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	73.0	54.1	100.5	





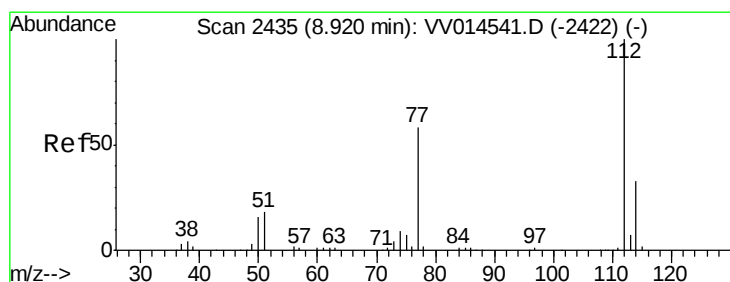
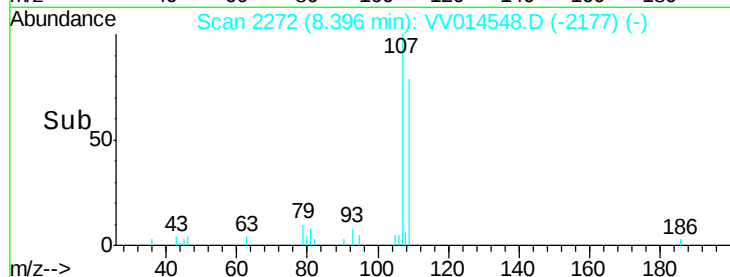
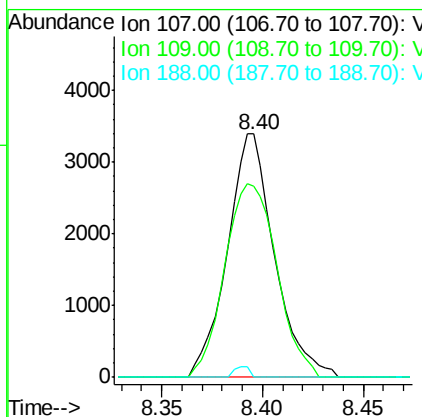
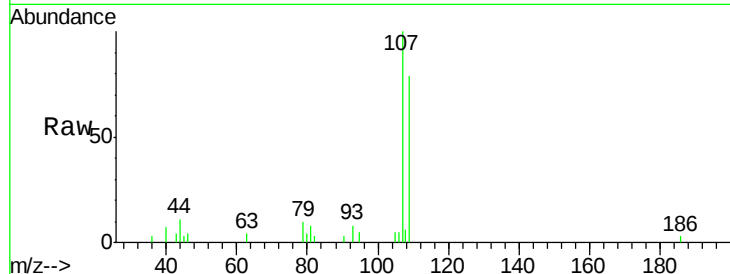
#50
1,2-Dibromoethane
Concen: 2.318 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.01 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	78.6	65.2	121.2
188	0.0	2.6	4.0

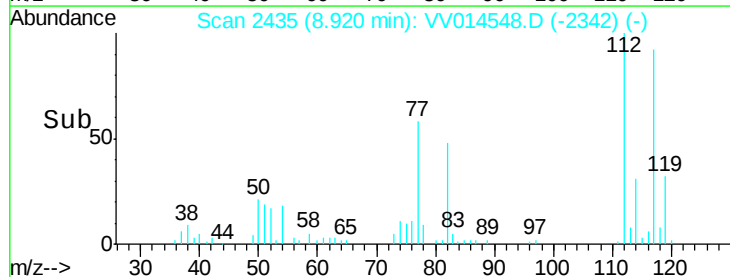
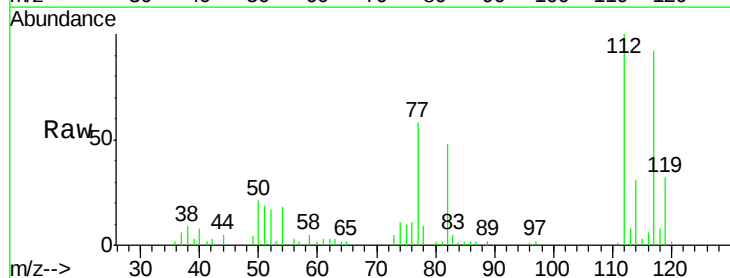
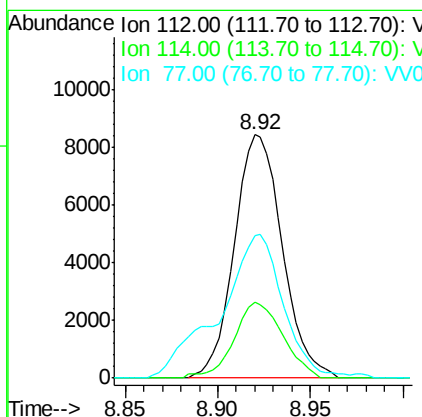
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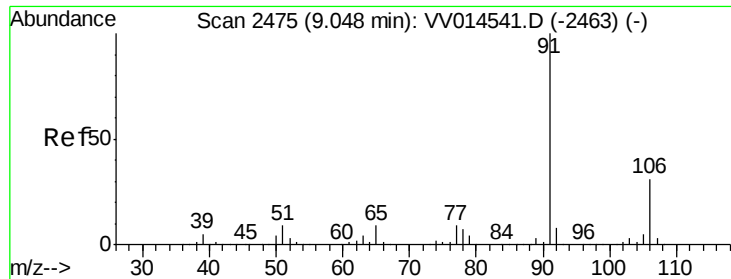
MMDadoda
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#51
Chlorobenzene
Concen: 2.395 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.3	41.5
77	58.4	47.3	70.9





#52

Ethylbenzene

Concen: 2.280 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 24807

Ion Ratio Lower Upper

91 100

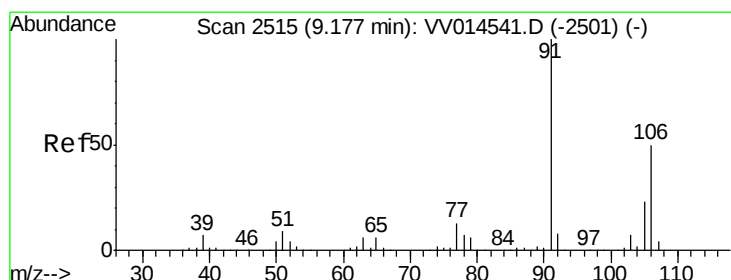
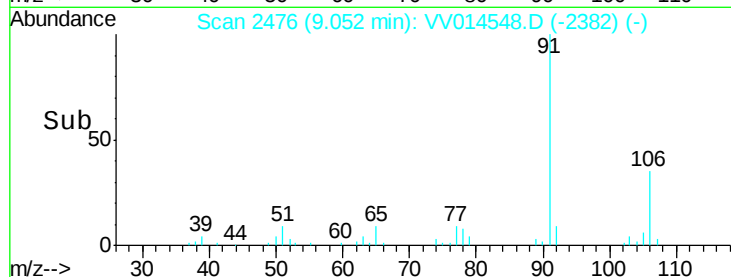
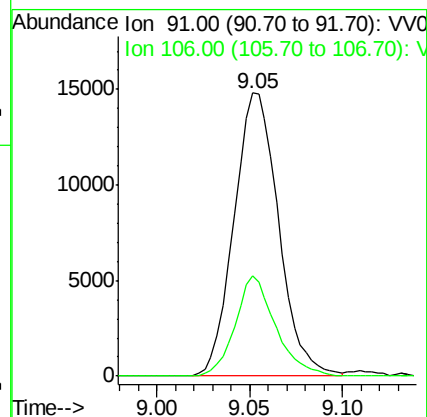
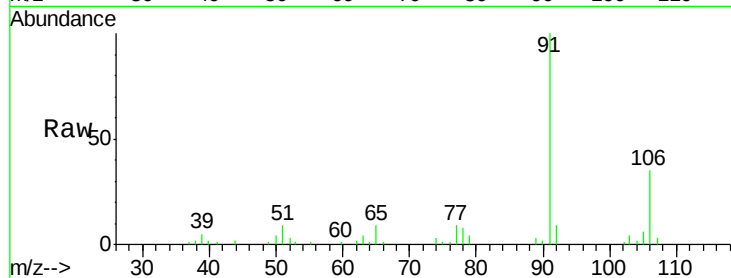
106 35.2 21.5 39.9

Manual Integrations

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2/12/2020 3:06:21 PM



#53

m,p-Xylene

Concen: 2.293 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014548.D

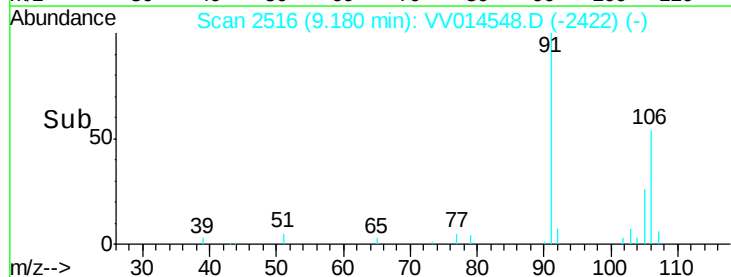
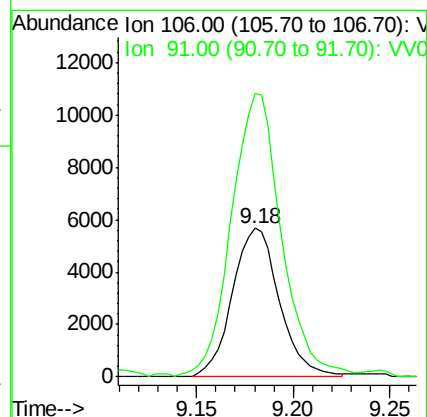
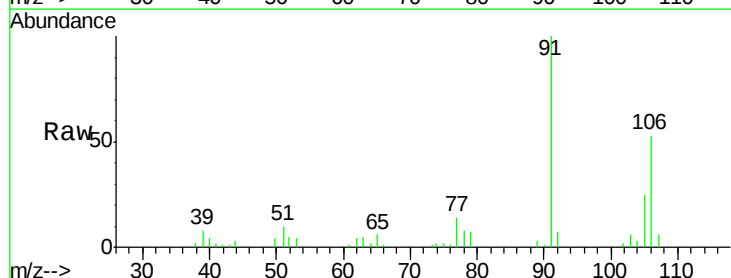
Acq: 10 Feb 2020 13:45

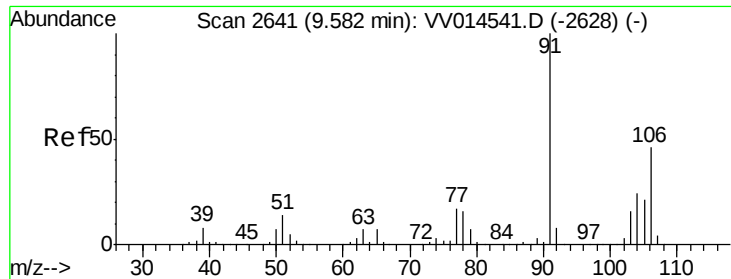
Tgt Ion: 106 Resp: 9609

Ion Ratio Lower Upper

106 100

91 190.4 141.4 262.6





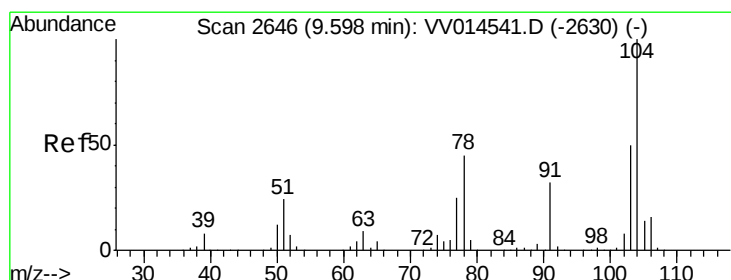
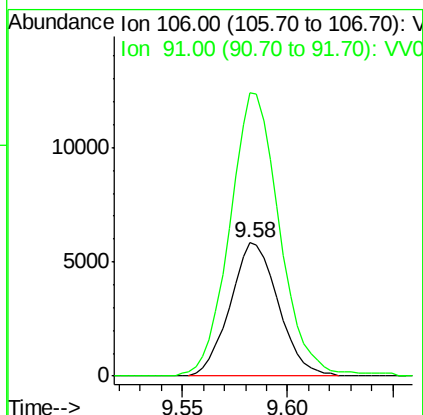
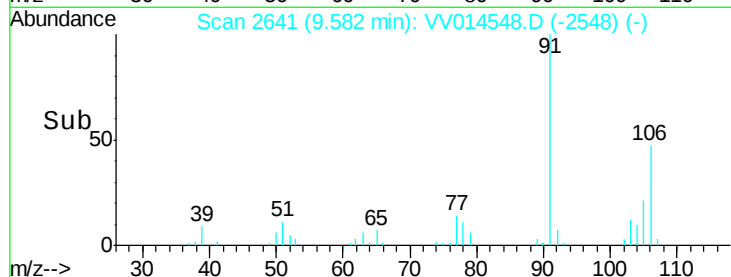
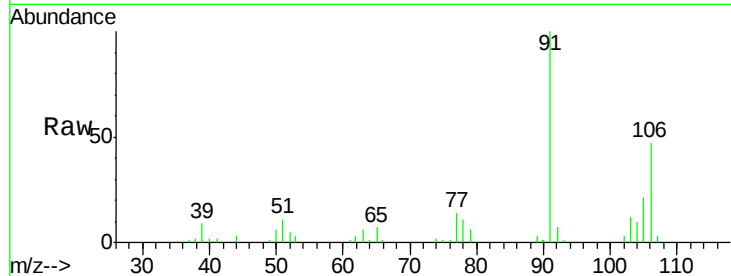
#54
o-Xylene
Concen: 2.307 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion:106 Resp: 9255
Ion Ratio Lower Upper
106 100
91 212.4 149.4 277.4

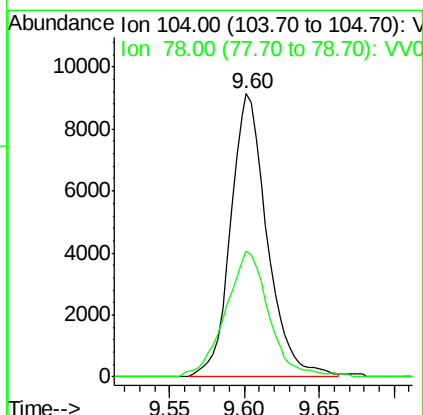
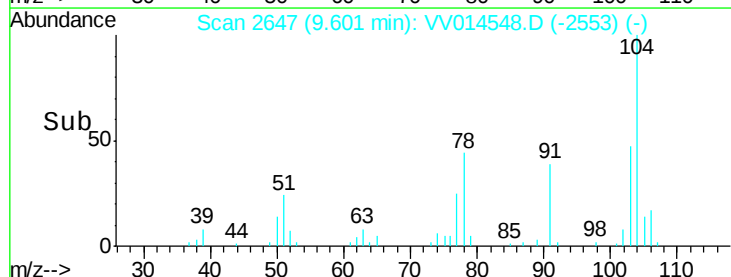
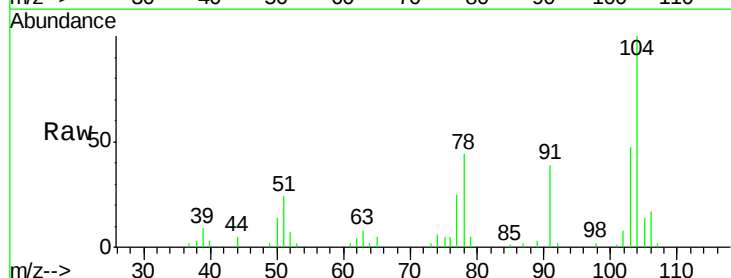
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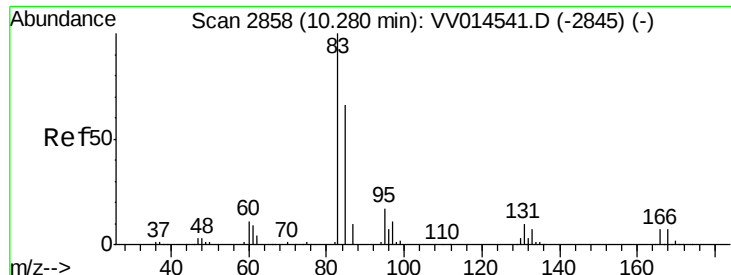
MMDadoda
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#55
Styrene
Concen: 2.266 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion:104 Resp: 15531
Ion Ratio Lower Upper
104 100
78 44.4 31.6 58.8





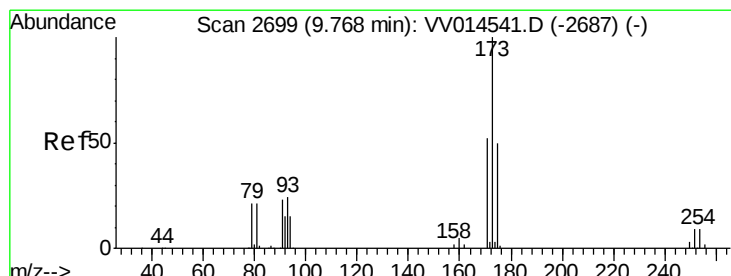
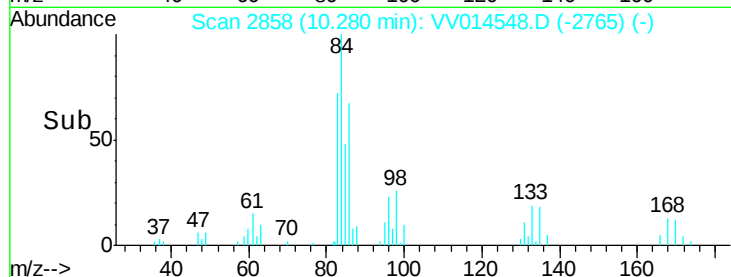
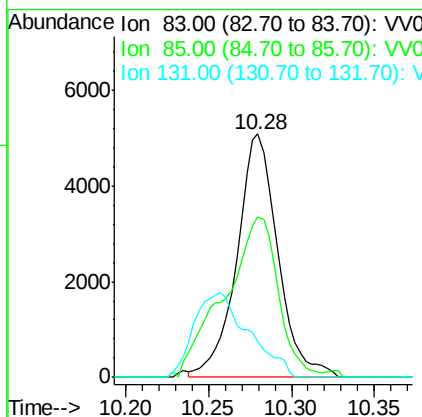
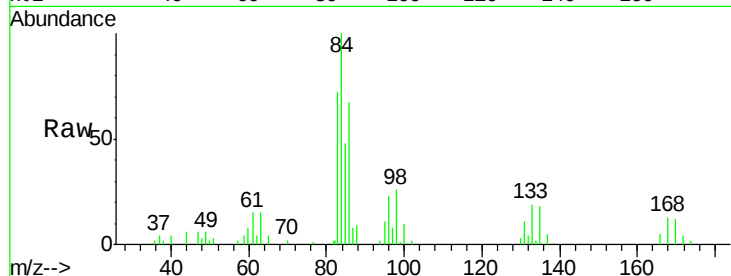
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.529 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	83	Resp	8763
Ion	Ratio	Lower	Upper
83	100		
85	66.1	45.2	84.0
131	14.7	7.8	11.8#

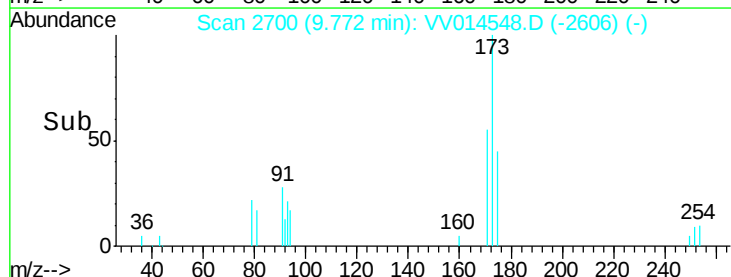
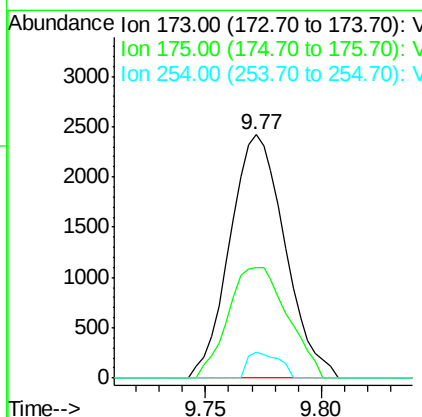
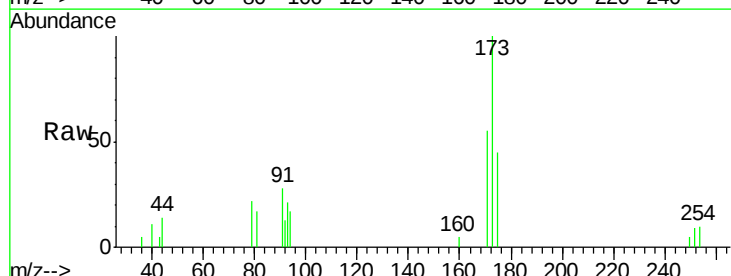
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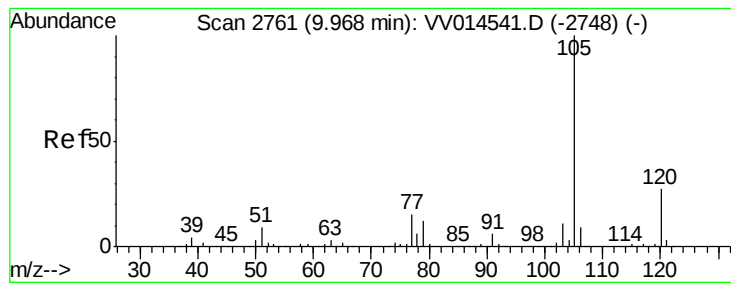
MMDadoda
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#59
 Bromoform
 Concen: 2.312 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Tgt Ion	173	Resp	3993
Ion	Ratio	Lower	Upper
173	100		
175	48.9	37.8	56.8
254	6.0	7.0	10.6#





#60

Isopropylbenzene

Concen: 2.274 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

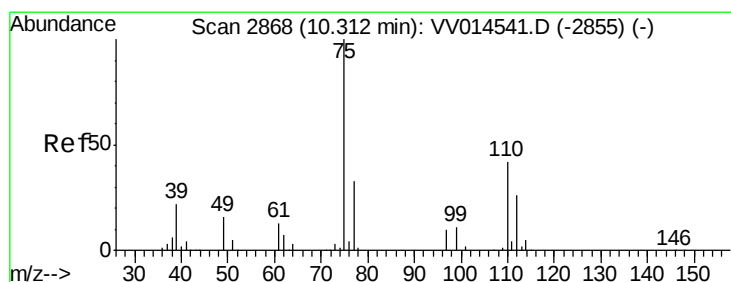
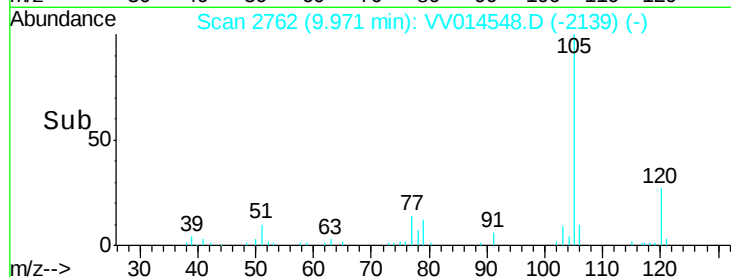
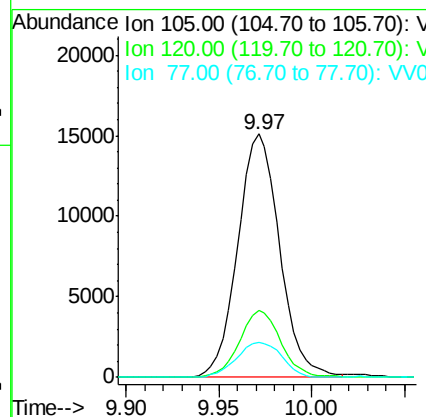
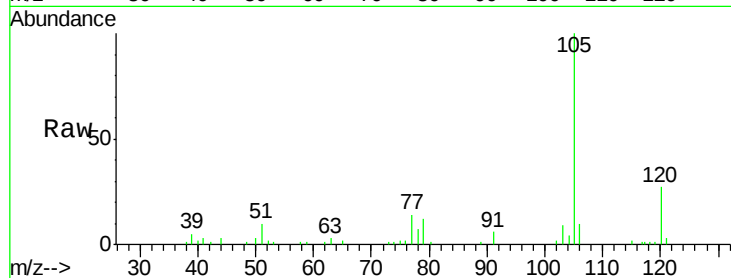
ClientSampled :

MDL04

Tot Ion:	105	Resp:	23811
Ion Ratio	Lower	Upper	
105	100		
120	27.1	21.5	32.3
77	15.5	12.2	18.4

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#61

1,2,3-Trichloropropane

Concen: 2.408 ug/L

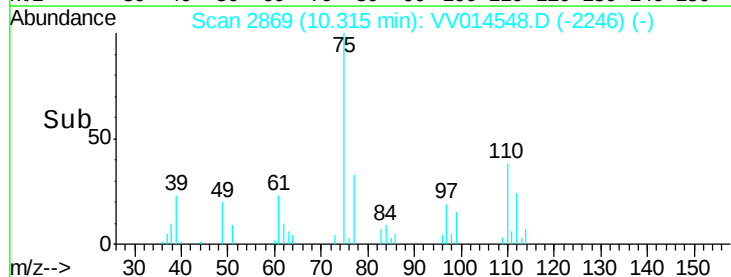
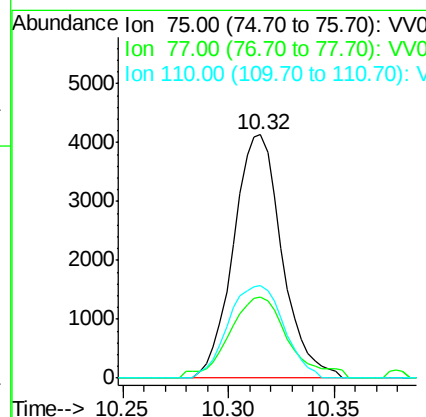
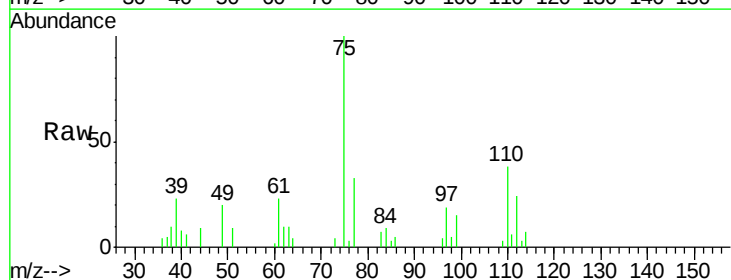
RT: 10.32 min Scan# 2869

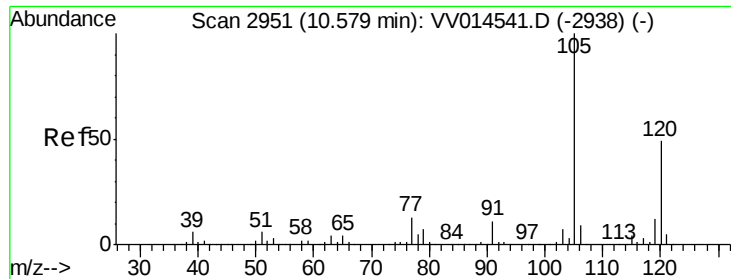
Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Tgt Ion:	75	Resp:	6602
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.8	38.8
110	43.4	32.4	48.6





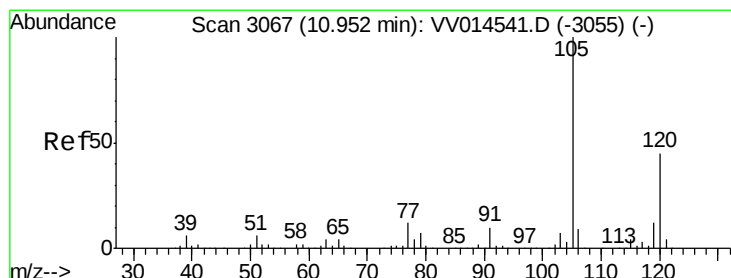
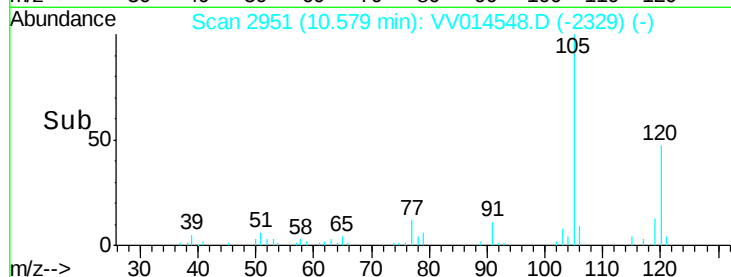
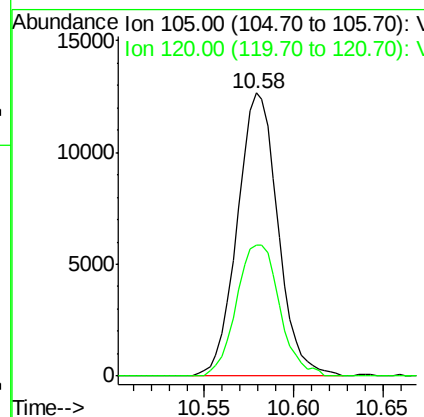
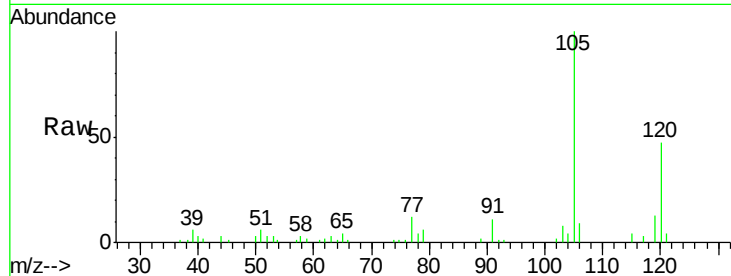
#62
 1,3,5-Trimethylbenzene
 Concen: 2.234 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL04

Tot Ion:105 Resp: 20023
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.0 58.6

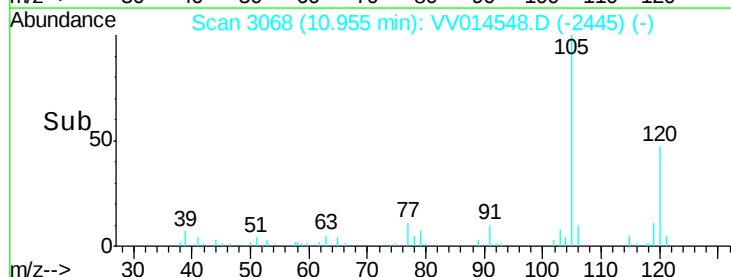
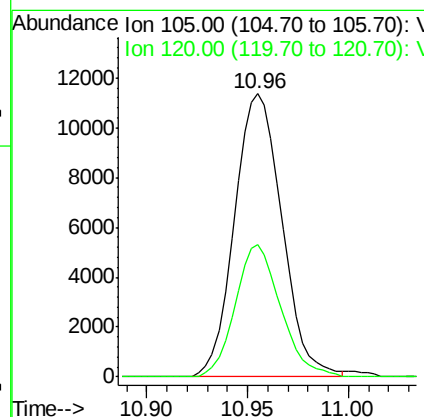
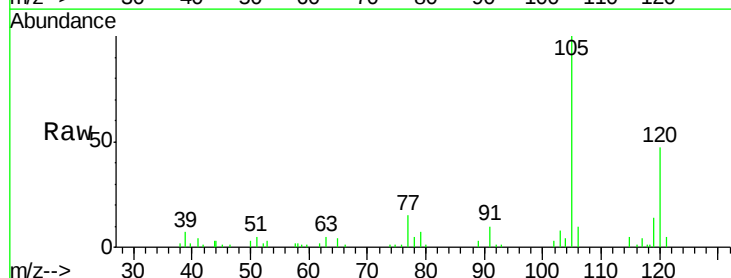
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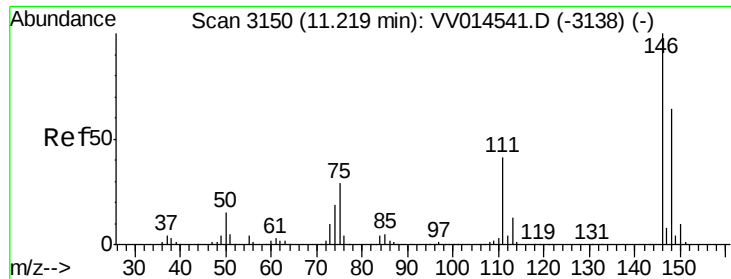
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#63
 1,2,4-Trimethylbenzene
 Concen: 2.120 ug/L
 RT: 10.96 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Tgt Ion:105 Resp: 18736
 Ion Ratio Lower Upper
 105 100
 120 44.6 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 2.443 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Instrument :

MSVOA_V

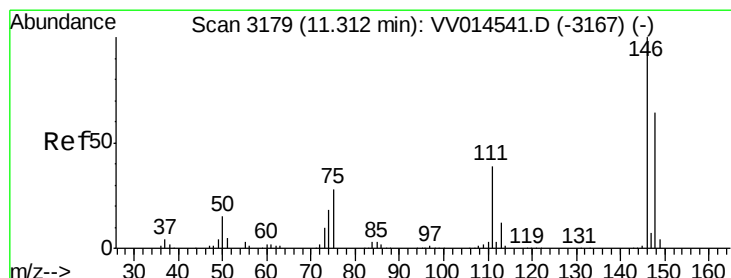
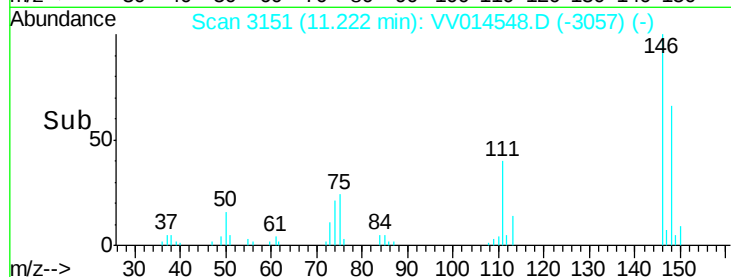
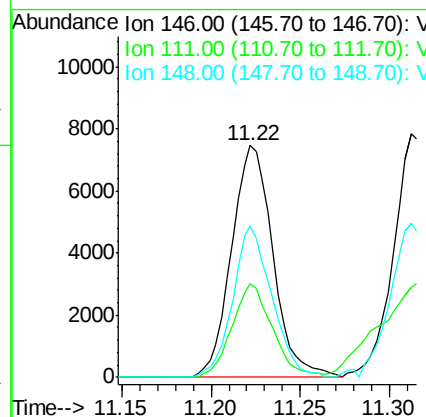
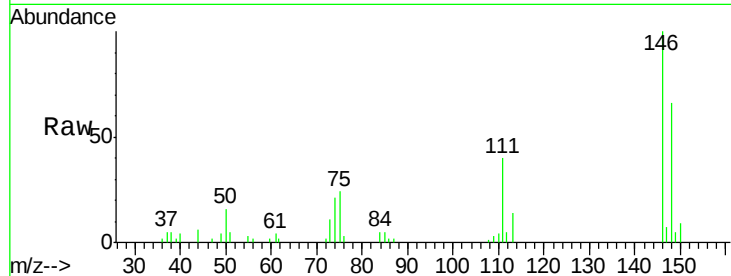
ClientSampled :

MDL04

Tot Ion:	146	Resp:	12067
Ion Ratio	Lower	Upper	
146	100		
111	40.3	28.9	53.7
148	65.6	44.4	82.5

Manual Integrations
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2/12/2020 3:06:21 PM



#65

1,4-Dichlorobenzene

Concen: 2.449 ug/L

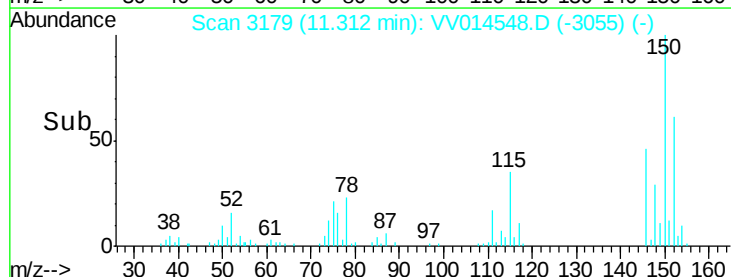
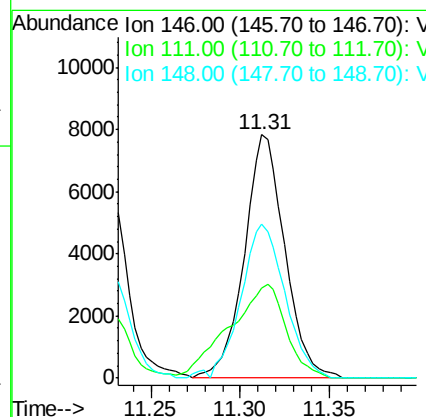
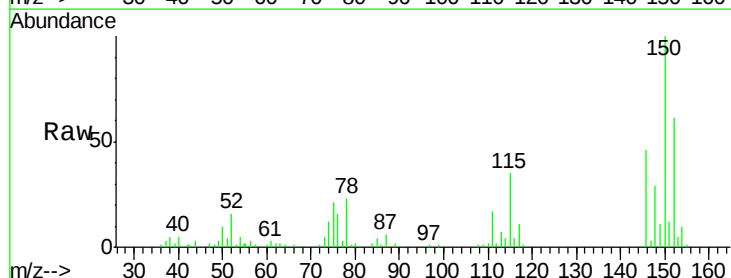
RT: 11.31 min Scan# 3179

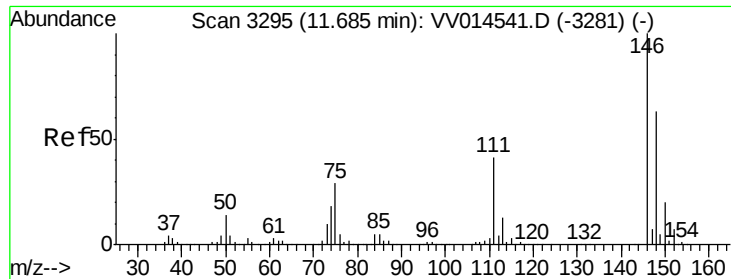
Delta R.T. 0.00 min

Lab File: VV014548.D

Acq: 10 Feb 2020 13:45

Tgt Ion:	146	Resp:	12451
Ion Ratio	Lower	Upper	
146	100		
111	37.1	28.1	52.3
148	63.2	44.4	82.4





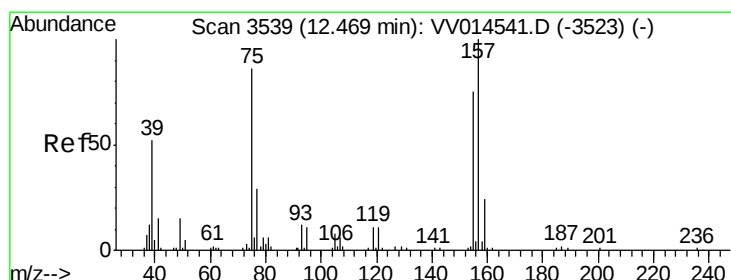
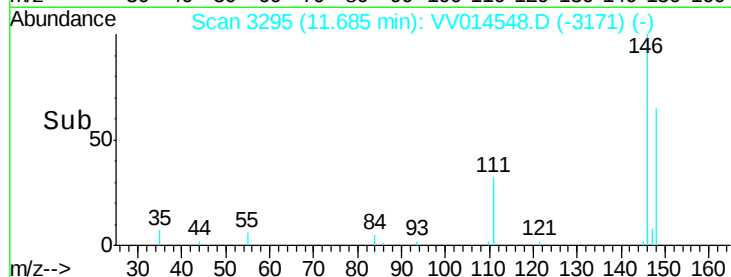
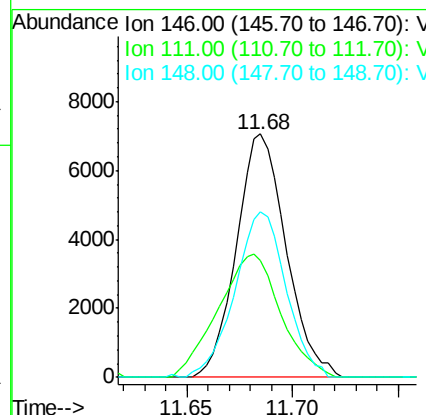
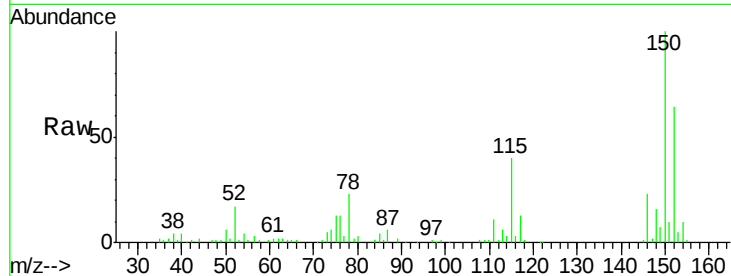
#67
 1,2-Dichlorobenzene
 Concen: 2.416 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	34.6	51.8
148	68.1	50.2	75.4

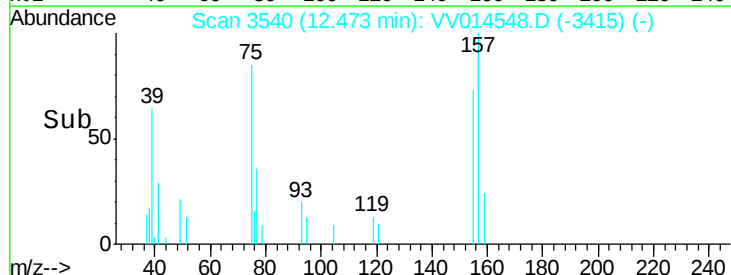
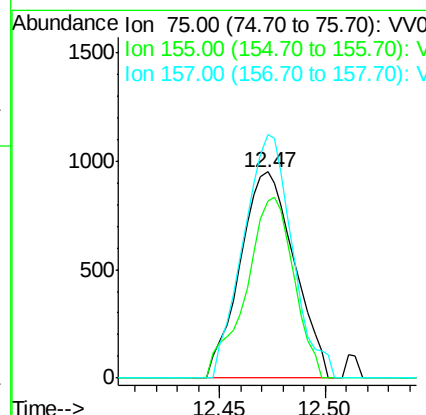
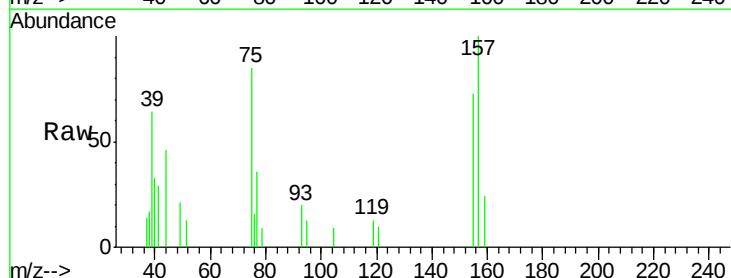
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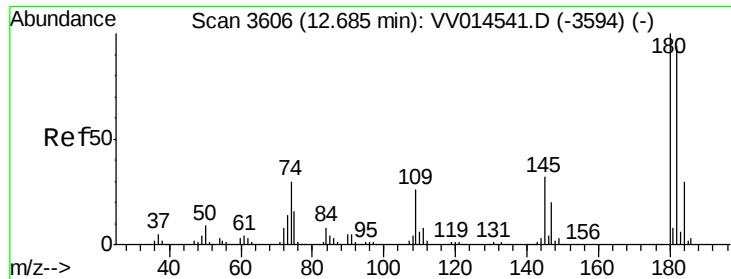
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 2/12/2020 3:06:21 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.203 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	68.3	102.5
157	118.1	87.1	130.7





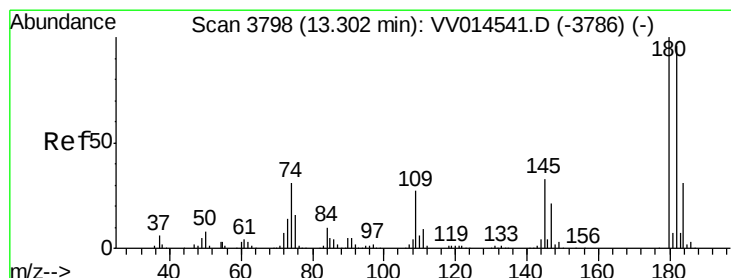
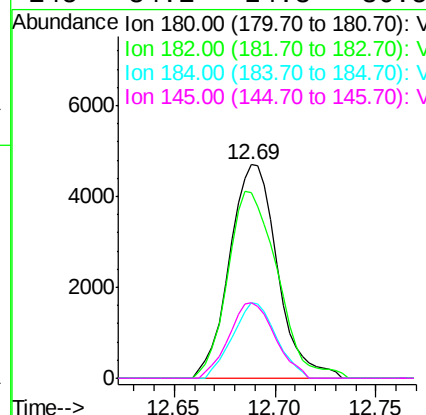
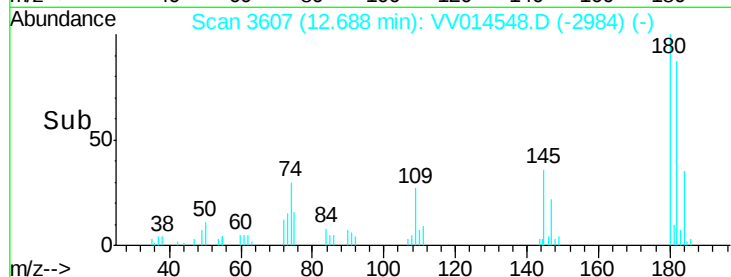
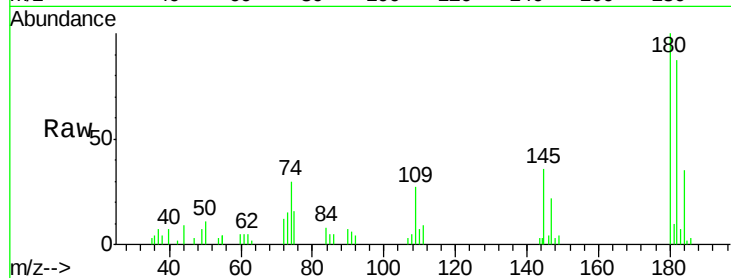
#69
 1,3,5-Trichlorobenzene
 Concen: 2.240 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	180	Resp:	7795
Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.0	112.4
184	32.2	24.2	36.2
145	34.1	24.3	36.5

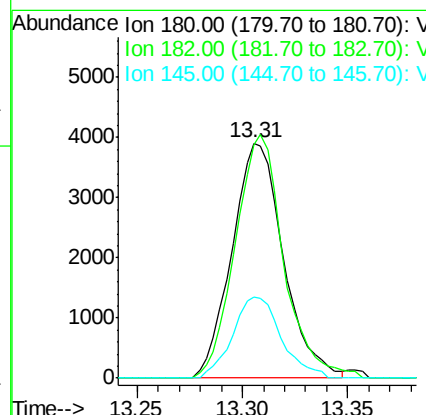
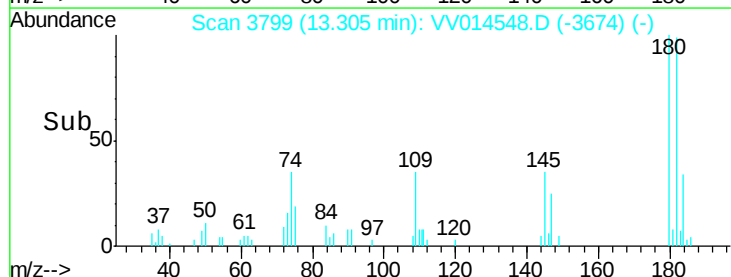
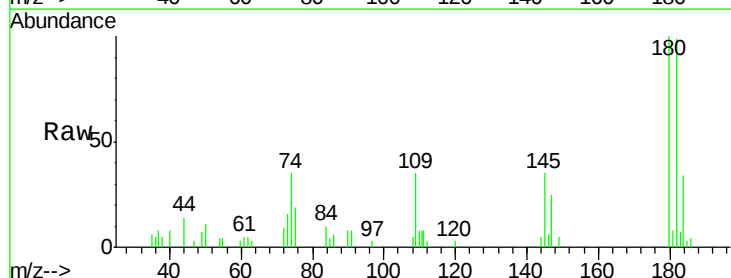
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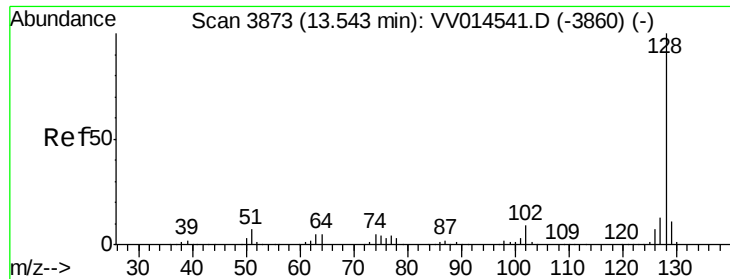
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 2/12/2020 3:06:21 PM



#70
 1,2,4-trichlorobenzene
 Concen: 2.078 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014548.D
 Acq: 10 Feb 2020 13:45

Tgt Ion:	180	Resp:	6640
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.0	114.0
145	32.4	25.3	37.9





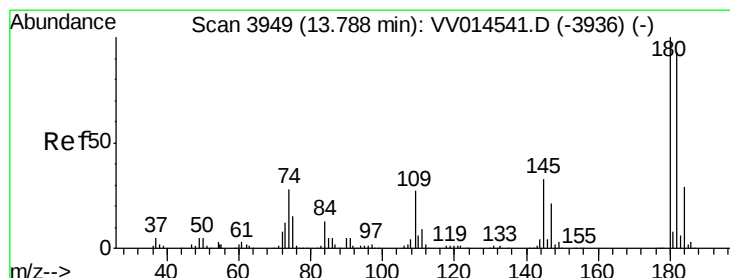
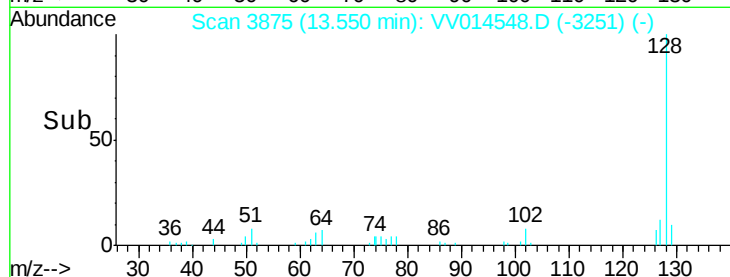
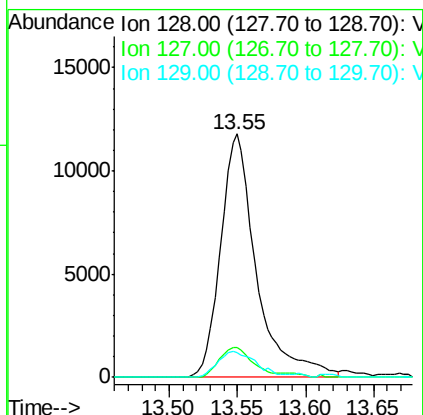
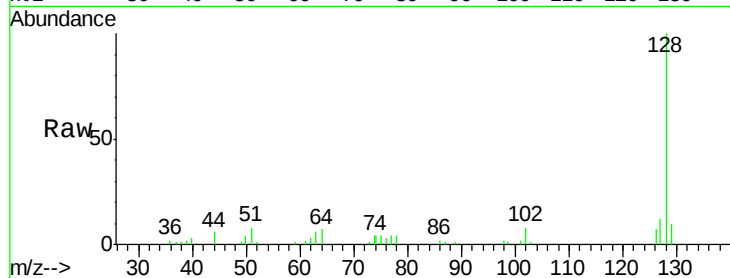
#71
Naphthalene
Concen: 2.056 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.01 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	10.3	8.7	13.1

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#72
1,2,3-Trichlorobenzene
Concen: 2.067 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014548.D
Acq: 10 Feb 2020 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.2	112.8
145	36.6	27.1	40.7

