

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021720\
 Data File : VV014598.D
 Acq On : 17 Feb 2020 17:12
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 12:32:59 PM

Quant Time: Feb 18 07:10:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 18 06:41:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	291984	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	269296	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	130353	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44654	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.86%
7) Chloroethane-d5	1.59	69	35535	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.46%
11) 1,1-Dichloroethene-d2	2.13	63	64004	35.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.28%
21) 2-Butanone-d5	3.92	46	98545	104.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.13%
24) Chloroform-d	4.40	84	154945	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	5.08	65	101980	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
32) Benzene-d6	5.10	84	317322	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.96%
36) 1,2-Dichloropropane-d6	6.11	67	98911	53.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.20%
41) Toluene-d8	7.36	98	302100	51.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	7.66	79	51621	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.68%
47) 2-Hexanone-d5	8.13	63	79254	107.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.73%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	135836	52.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.58%
66) 1,2-Dichlorobenzene-d4	11.67	152	119768	54.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	5020	2.474	ug/L	91
3) Chloromethane	1.26	50	4455	2.706	ug/L	95
5) Vinyl chloride	1.33	62	3176	2.470	ug/L #	53
6) Bromomethane	1.53	94	1571	2.248	ug/L	100
8) Chloroethane	1.60	64	1825	2.812	ug/L	93
9) Trichlorofluoromethane	1.77	101	5855	2.494	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3108	3.187	ug/L #	85
12) 1,1-Dichloroethene	2.14	96	2866	3.117	ug/L #	1
13) Acetone	2.19	43	3867	4.788	ug/L	98
14) Carbon disulfide	2.32	76	10501	2.490	ug/L	96
15) Methyl Acetate	2.46	43	3943	2.572	ug/L	94
16) Methylene chloride	2.54	84	5669	3.018	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	4226	2.444	ug/L	90
18) Methyl tert-butyl Ether	2.80	73	14162	2.467	ug/L	95
19) 1,1-Dichloroethane	3.23	63	7908	2.567	ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	5158	2.537	ug/L	87
22) 2-Butanone	4.03	43	4862m	3.954	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	2562	2.556	ug/L	94
25) Chloroform	4.42	83	12640	3.622	ug/L	96
27) 1,2-Dichloroethane	5.18	62	6827	2.615	ug/L	98
29) Cyclohexane	4.73	56	6482	2.508	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	6676	2.219	ug/L #	86
31) Carbon tetrachloride	4.87	117	6575	2.451	ug/L	99
33) Benzene	5.15	78	18225	2.620	ug/L	100
34) Trichloroethene	5.96	95	4681	2.467	ug/L	93
35) Methylcyclohexane	6.17	83	7084	2.400	ug/L	94
37) 1,2-Dichloropropane	6.22	63	4020	2.383	ug/L	99
38) Bromodichloromethane	6.56	83	6525	2.483	ug/L #	93
39) cis-1,3-Dichloropropene	7.07	75	7261m	2.426	ug/L	
40) 4-Methyl-2-pentanone	7.27	43	10701	5.071	ug/L	93
42) Toluene	7.43	91	19732	2.575	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	6905	2.477	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	4781	2.633	ug/L	93
46) Tetrachloroethene	8.02	164	3789	2.497	ug/L	96
48) 2-Hexanone	8.18	43	8874	5.387	ug/L	95
49) Dibromochloromethane	8.29	129	5192	2.360	ug/L	99
50) 1,2-Dibromoethane	8.39	107	4873	2.443	ug/L #	96
51) Chlorobenzene	8.92	112	13253	2.557	ug/L	89
52) Ethylbenzene	9.05	91	21789	2.473	ug/L	100
53) m,p-Xylene	9.18	106	8419	2.470	ug/L	93
54) o-Xylene	9.59	106	8269	2.519	ug/L	97
55) Styrene	9.60	104	13109	2.345	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	8234	2.849	ug/L #	97
59) Bromoform	9.77	173	3448	2.343	ug/L #	98
60) Isopropylbenzene	9.97	105	20452	2.472	ug/L	97
61) 1,2,3-Trichloropropane	10.31	75	5574	2.566	ug/L	92
62) 1,3,5-Trimethylbenzene	10.58	105	17383	2.459	ug/L	95
63) 1,2,4-Trimethylbenzene	10.95	105	16292	2.360	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	9775	2.465	ug/L	92
65) 1,4-Dichlorobenzene	11.31	146	10931	2.691	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	10040	2.573	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	1657	2.538	ug/L #	78
69) 1,3,5-Trichlorobenzene	12.69	180	6622	2.311	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	5933	2.291	ug/L	97
71) Naphthalene	13.55	128	17251	2.176	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5869	2.322	ug/L	98

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

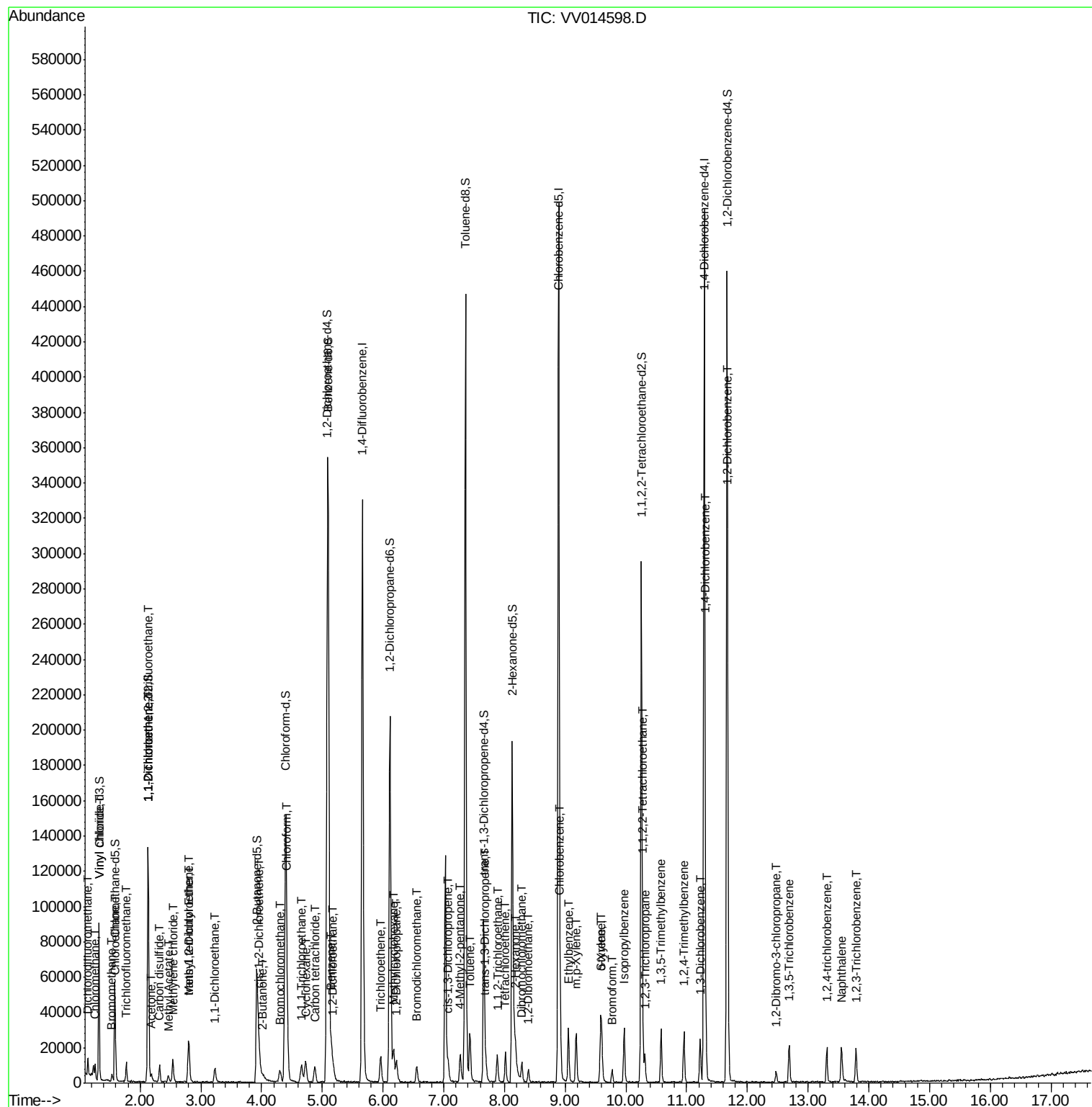
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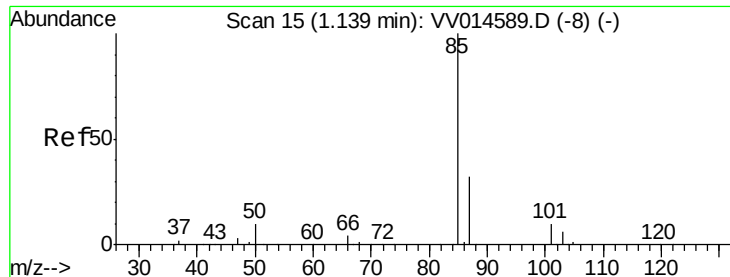
Instrument :
MSVOA_V
ClientSampled :
MDL07

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#2

Dichlorodifluoromethane

Concen: 2.474 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 85 Resp: 5020

Ion Ratio Lower Upper

85 100

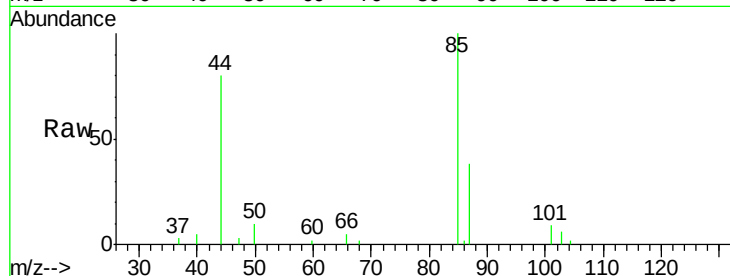
87 37.9 26.2 39.4

Manual Integrations

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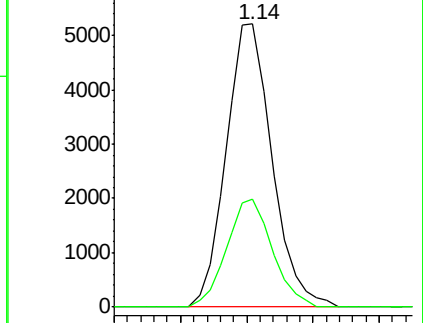
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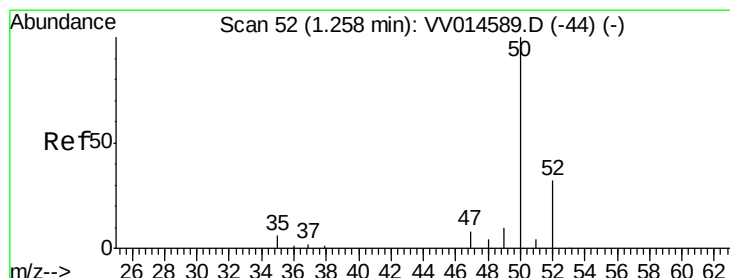
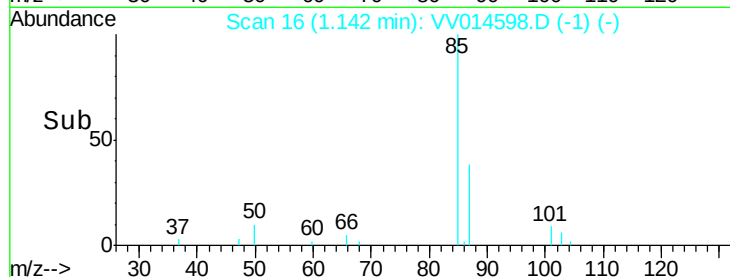


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time--> 1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 2.706 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014598.D

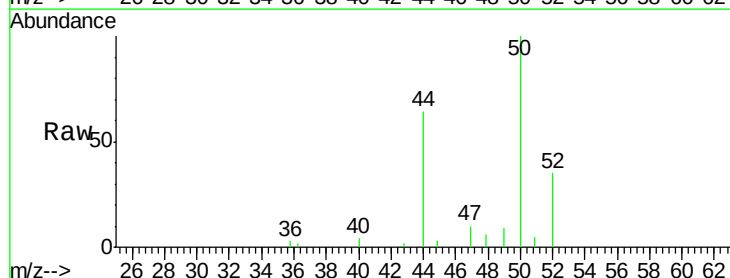
Acq: 17 Feb 2020 17:12

Tgt Ion: 50 Resp: 4455

Ion Ratio Lower Upper

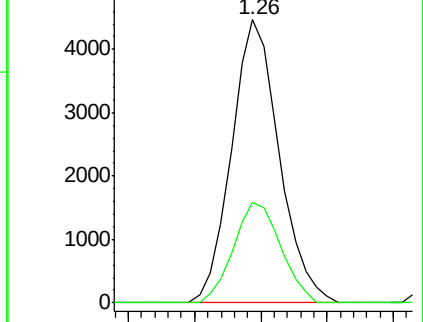
50 100

52 35.4 22.6 42.0

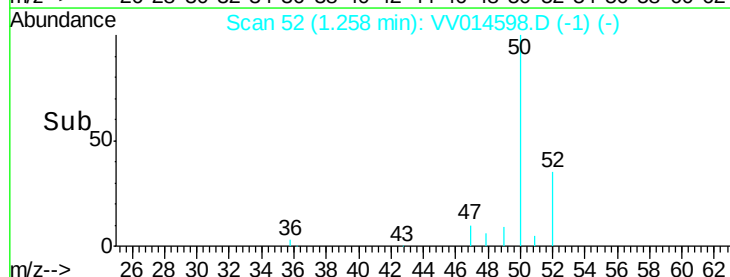


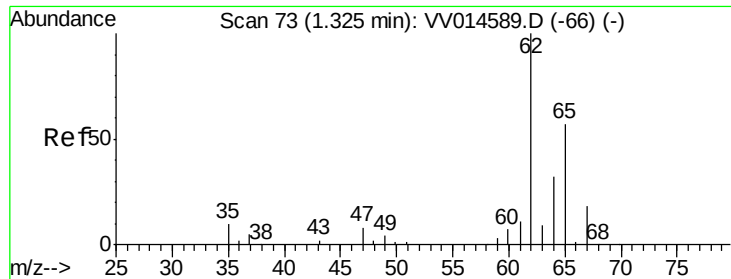
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time--> 1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 2.470 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 62 Resp: 3176

Ion Ratio Lower Upper

62 100

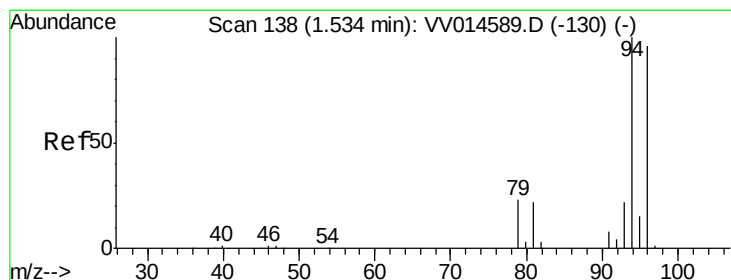
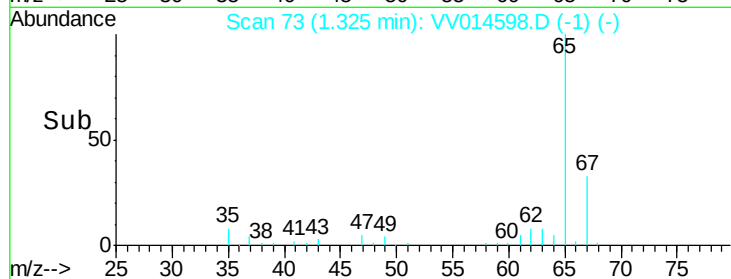
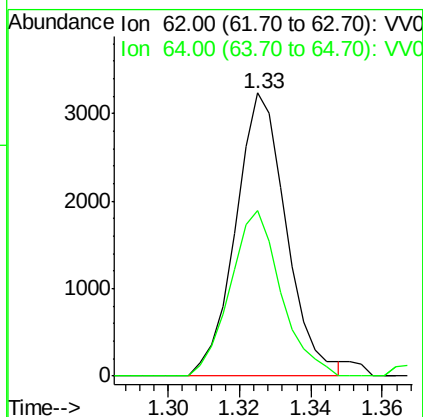
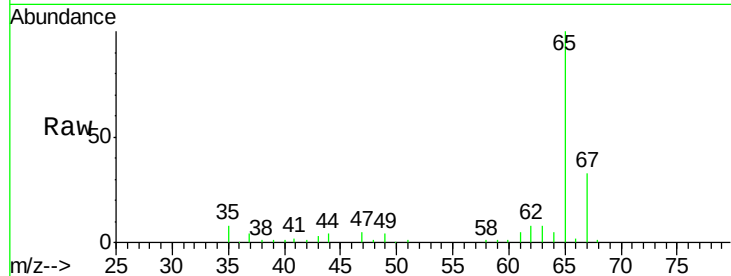
64 58.7 22.6 42.0#

Manual Integrations

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#6

Bromomethane

Concen: 2.248 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014598.D

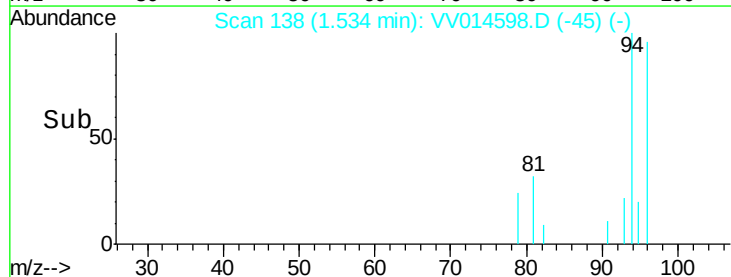
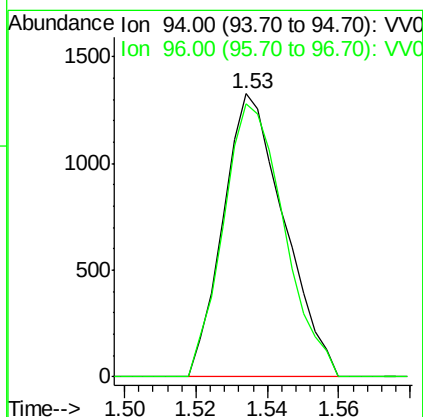
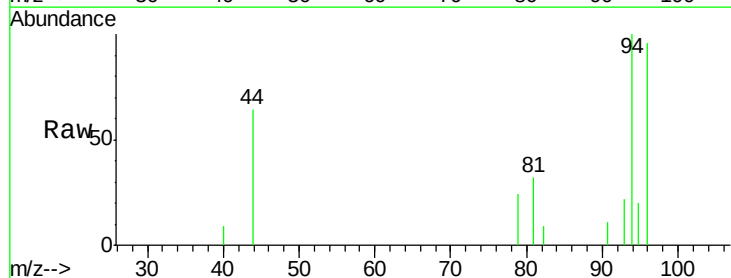
Acq: 17 Feb 2020 17:12

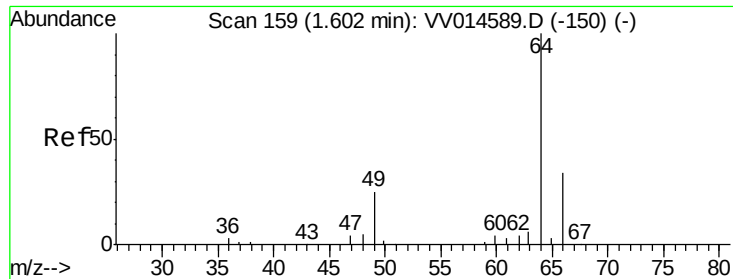
Tgt Ion: 94 Resp: 1571

Ion Ratio Lower Upper

94 100

96 96.4 67.4 125.2





#8

Chloroethane

Concen: 2.812 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 64 Resp: 1825

Ion Ratio Lower Upper

64 100

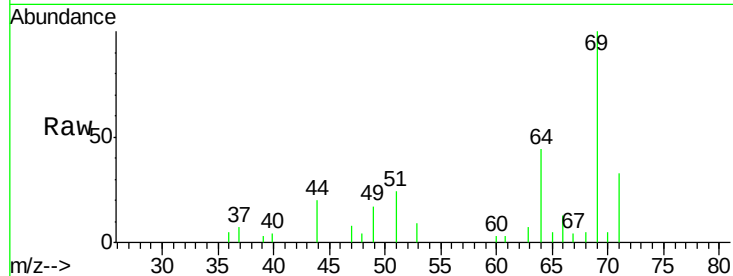
66 29.4 23.6 43.8

Manual Integrations

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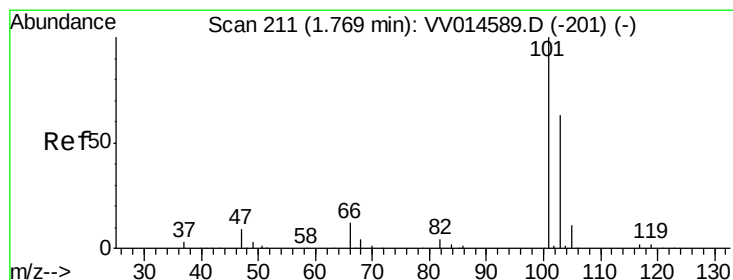
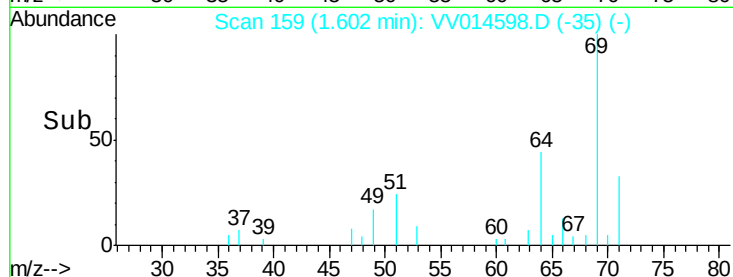
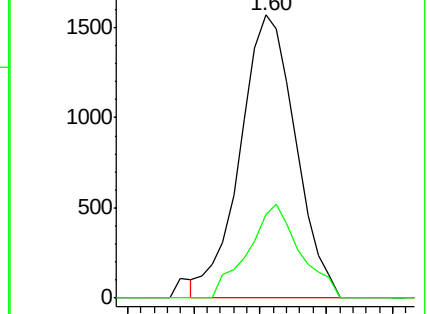
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Abundance Ion 64.00 (63.70 to 64.70): VV014589.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014589.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 2.494 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014598.D

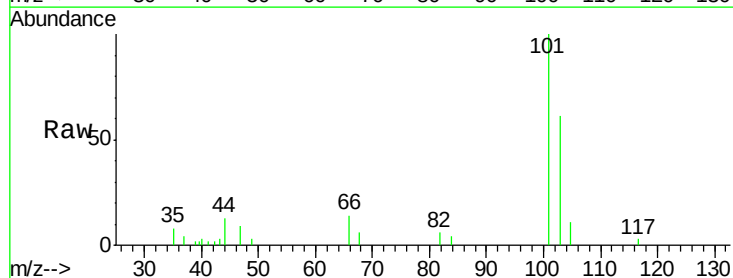
Acq: 17 Feb 2020 17:12

Tgt Ion: 101 Resp: 5855

Ion Ratio Lower Upper

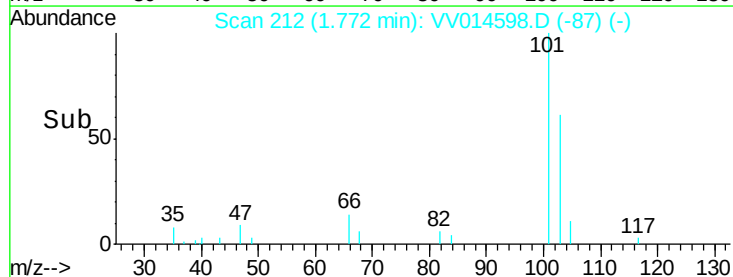
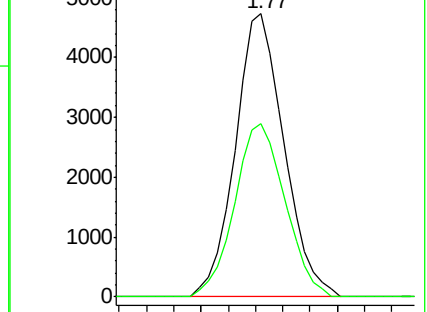
101 100

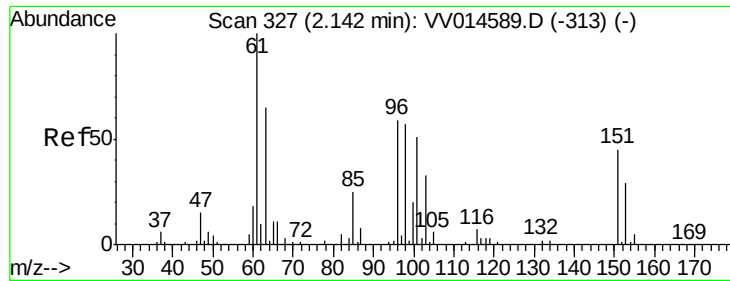
103 63.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV014589.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014589.D (-201) (-)





#10

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

Concen: 3.187 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

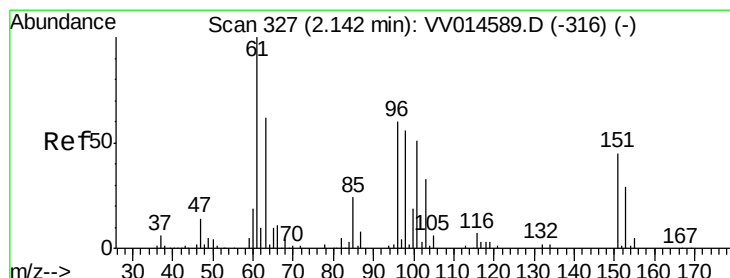
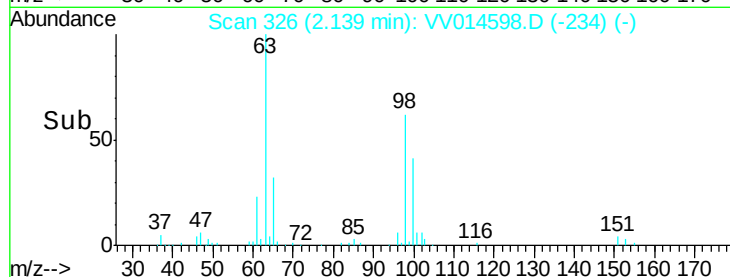
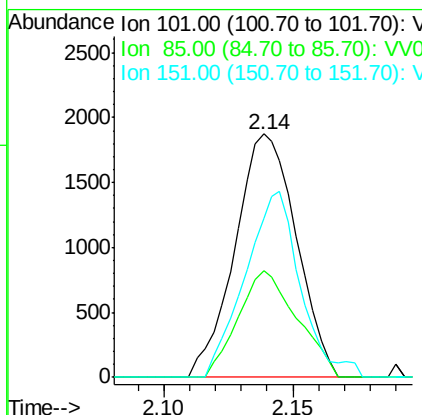
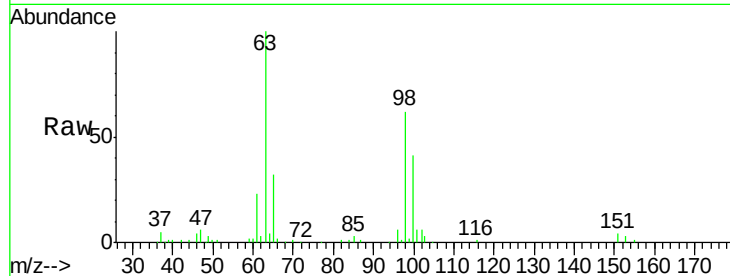
ClientSampled :

MDL07

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.1	37.9	56.9
151	67.6	67.7	101.5#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.117 ug/L

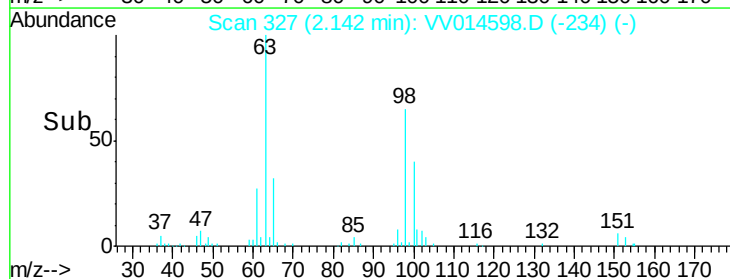
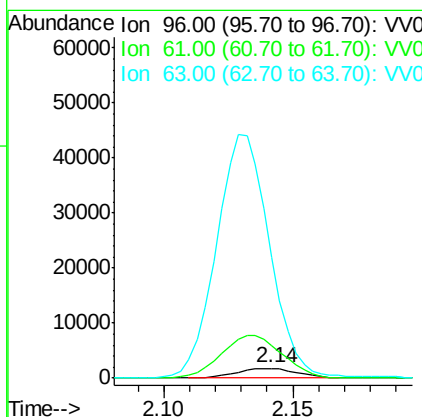
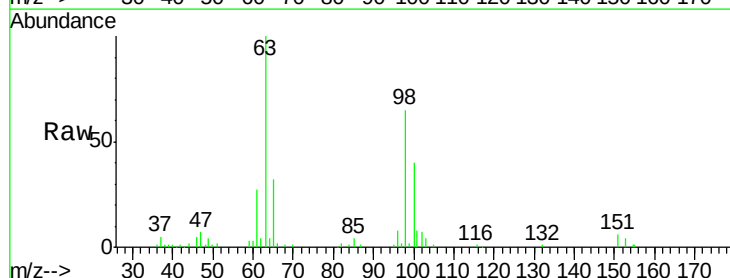
RT: 2.14 min Scan# 327

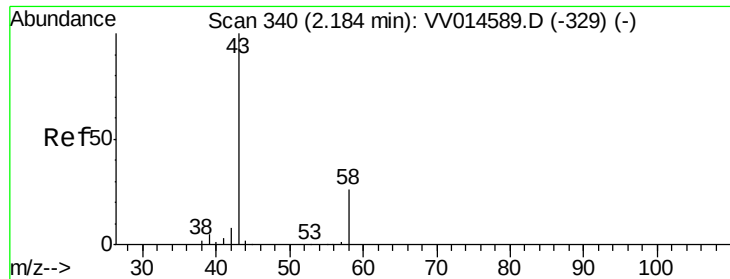
Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	327.8	118.3	219.7#
63	1213.3	77.5	143.9#





#13

Acetone

Concen: 4.788 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 43 Resp: 3867

Ion Ratio Lower Upper

43 100

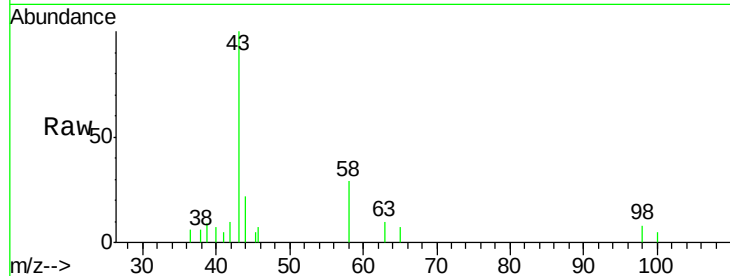
58 27.0 0.0 55.8

Manual Integrations

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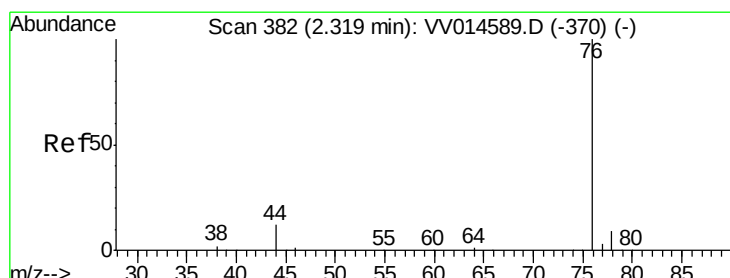
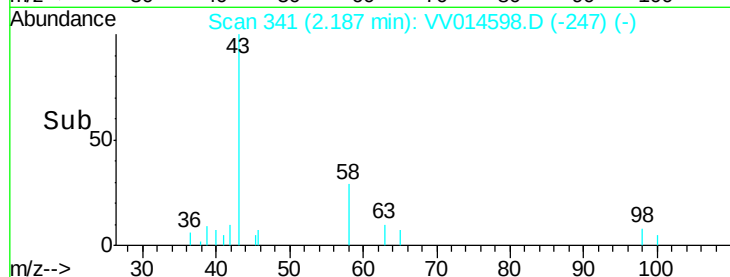
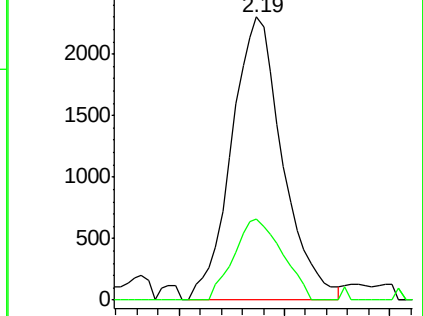
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Abundance Ion 43.00 (42.70 to 43.70): VV014598.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV014598.D (-247) (-)



#14

Carbon disulfide

Concen: 2.490 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014598.D

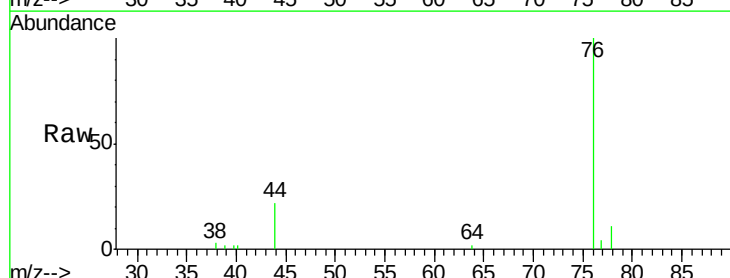
Acq: 17 Feb 2020 17:12

Tgt Ion: 76 Resp: 10501

Ion Ratio Lower Upper

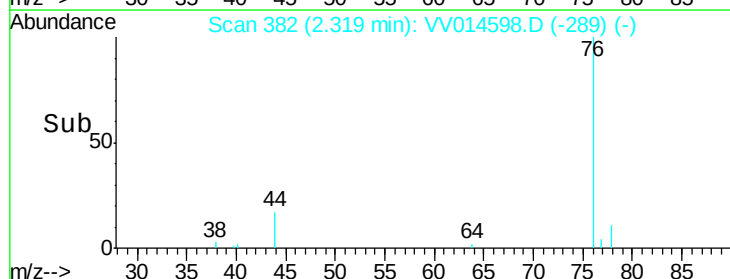
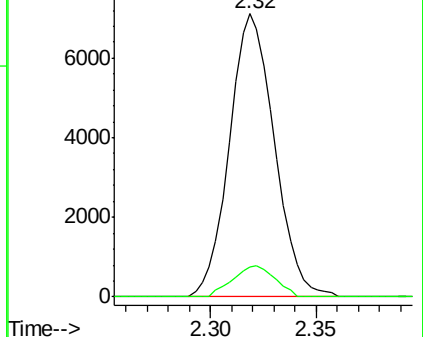
76 100

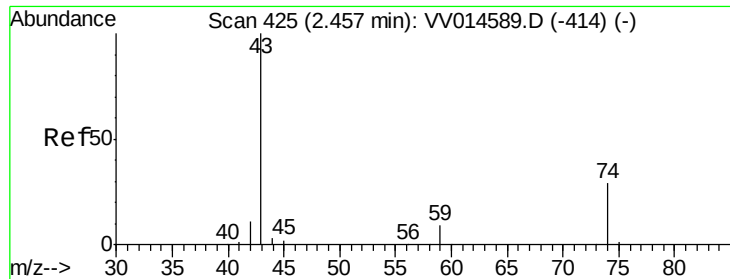
78 10.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014598.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV014598.D (-289) (-)





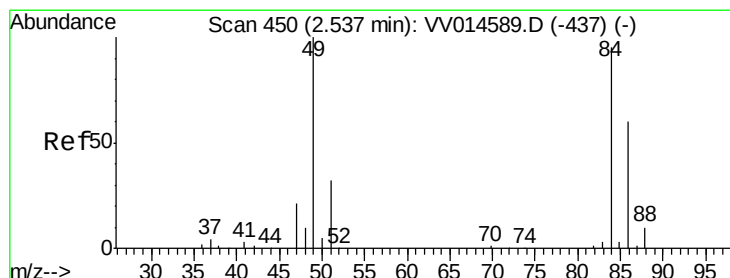
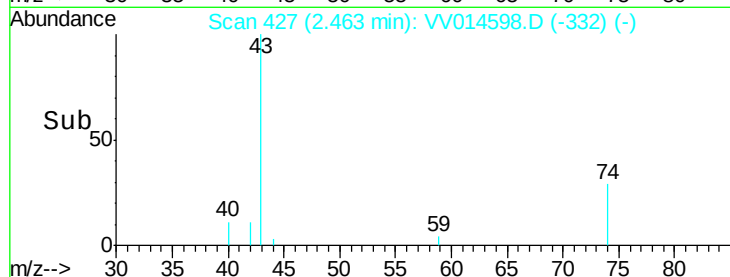
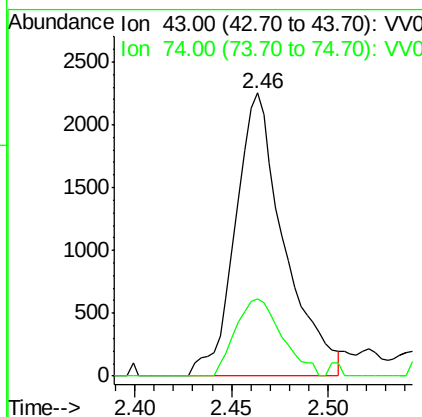
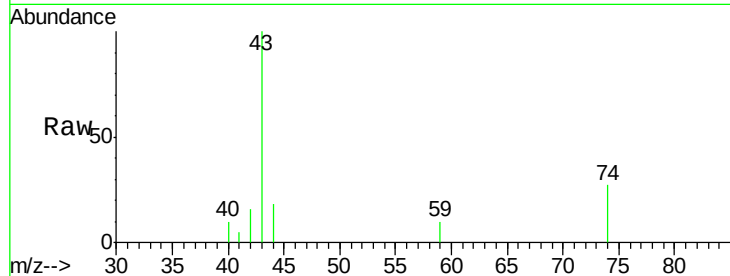
#15
Methvl Acetate
Concen: 2.572 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion: 43 Resp: 3943
Ion Ratio Lower Upper
43 100
74 25.5 22.9 34.3

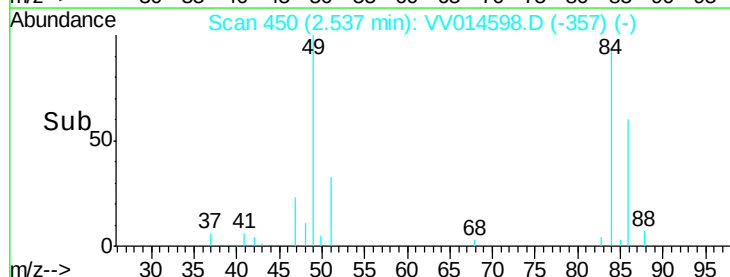
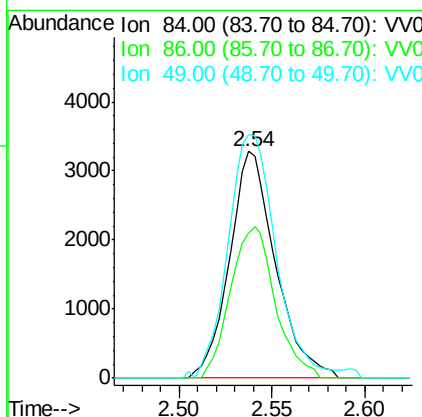
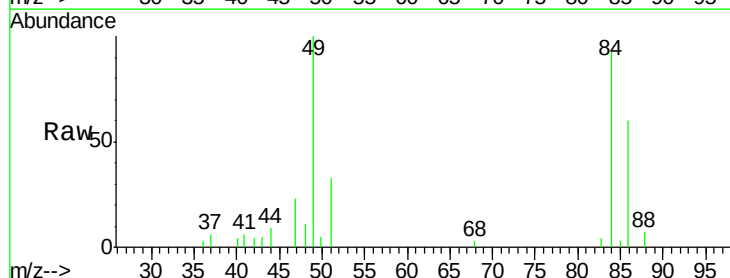
Manual Integrations
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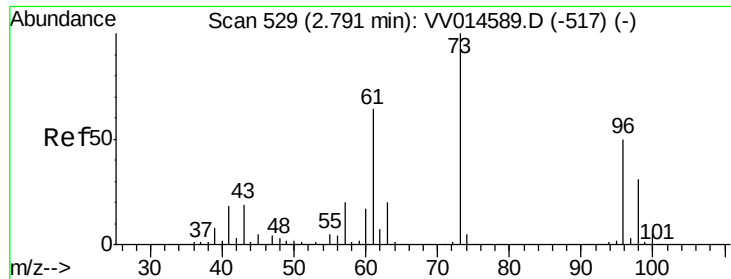
MMDadoda
2/24/2020 12:32:59 PM



#16
Methylene chloride
Concen: 3.018 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion: 84 Resp: 5669
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.8
49 107.4 74.0 137.4





#17

trans-1,2-Dichloroethene

Concen: 2.444 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014598.D

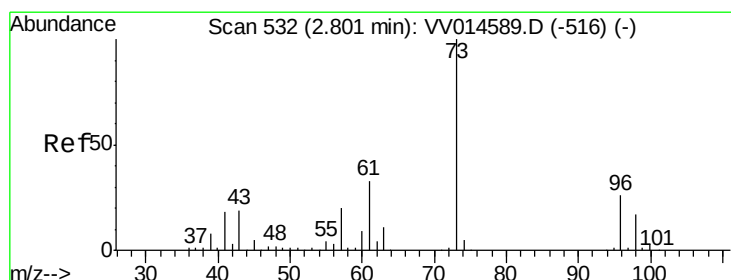
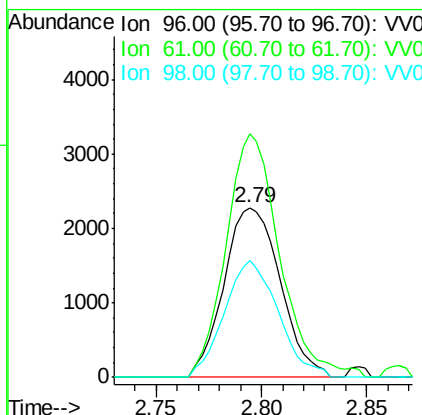
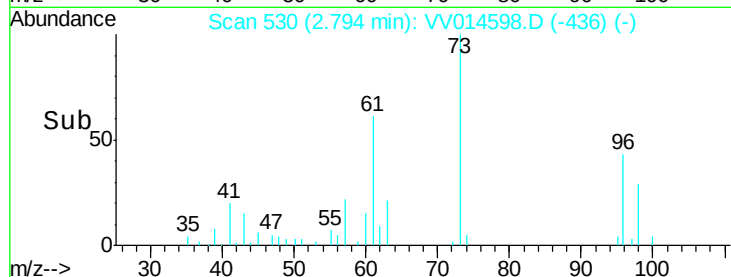
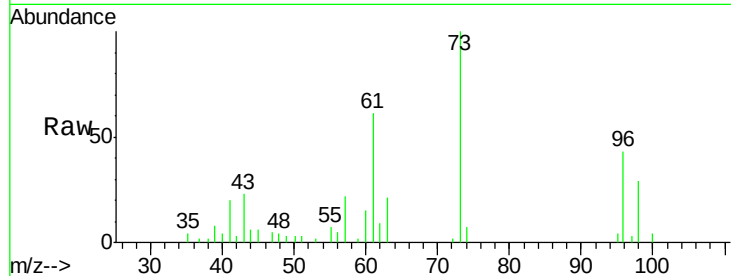
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	90.6	168.3
98	68.4	44.2	82.2

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 2.467 ug/L

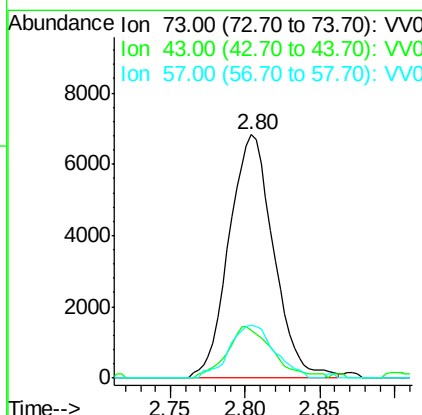
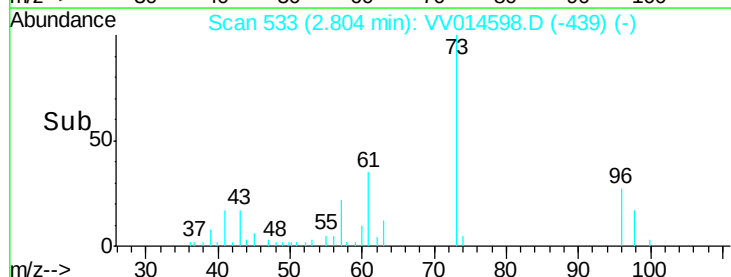
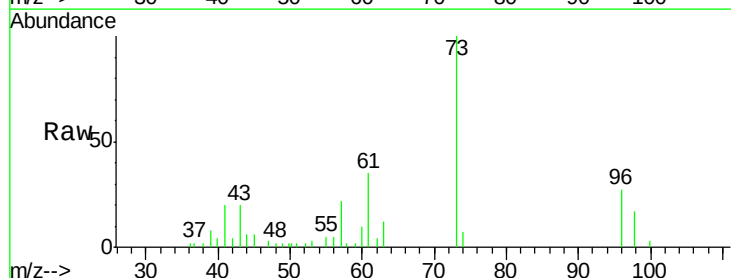
RT: 2.80 min Scan# 533

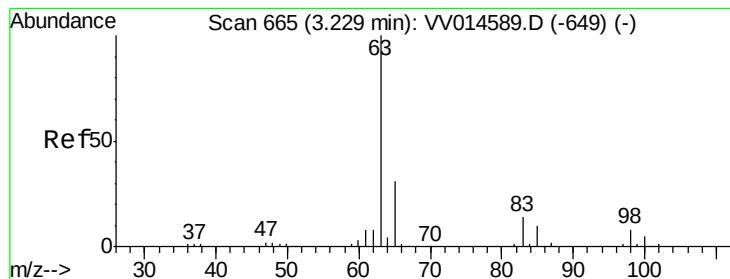
Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	14.7	22.1
57	21.6	16.2	24.4





#19

1,1-Dichloroethane

Concen: 2.567 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

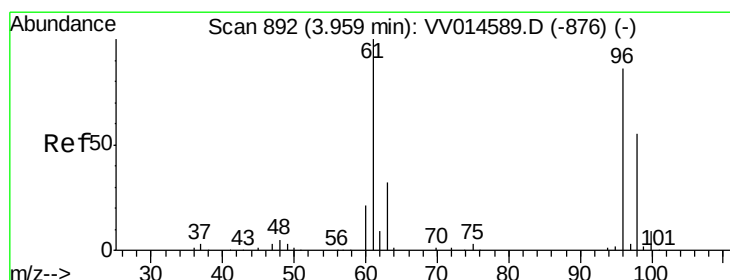
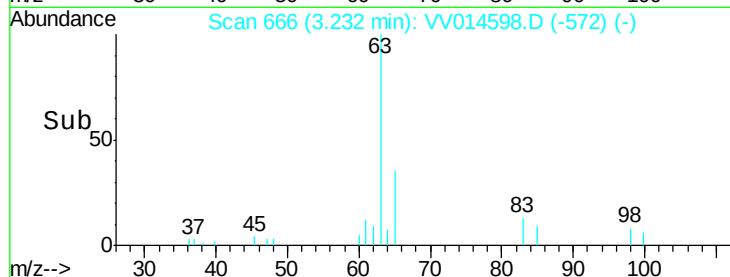
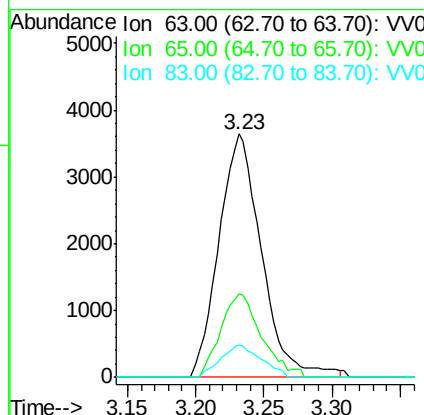
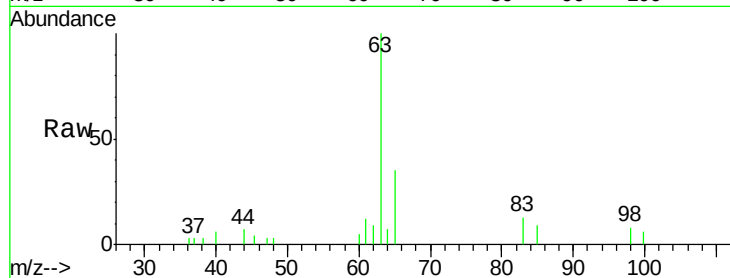
ClientSampled :

MDL07

Tot Ion:	63	Resp:	7908
Ion	Ratio	Lower	Upper
63	100		
65	34.5	21.8	40.4
83	13.4	9.9	18.3

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 2.537 ug/L

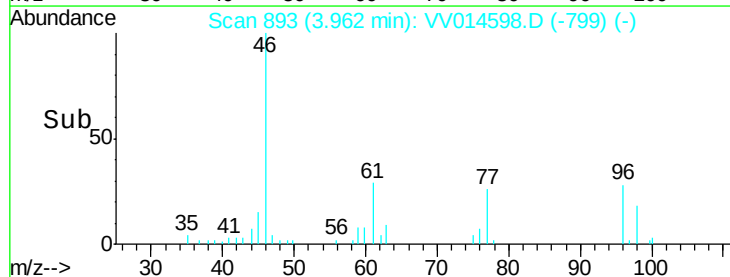
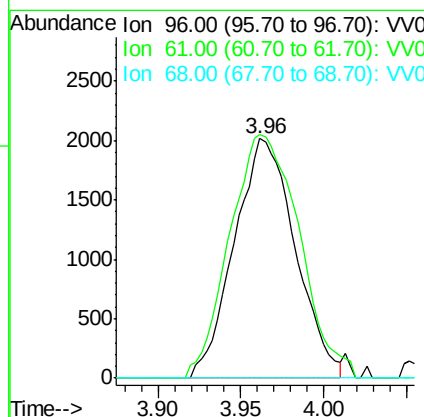
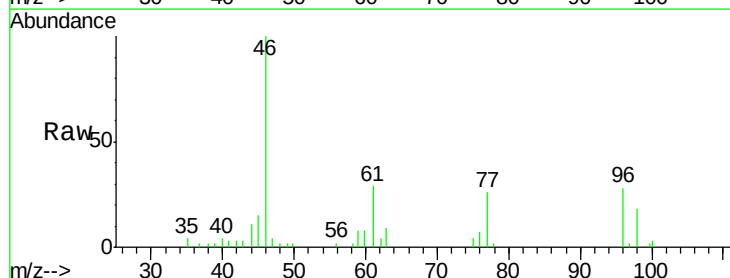
RT: 3.96 min Scan# 893

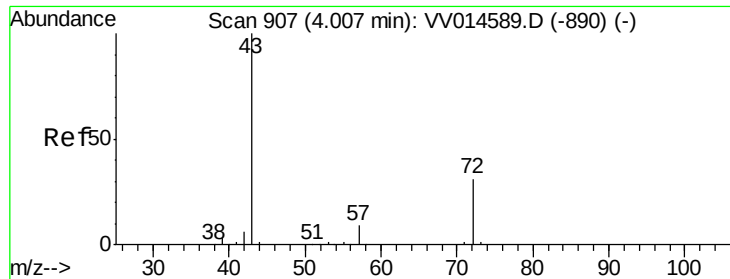
Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Tgt Ion:	96	Resp:	5158
Ion	Ratio	Lower	Upper
96	100		
61	101.6	81.4	151.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.954 ug/L m

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 43 Resp: 4862

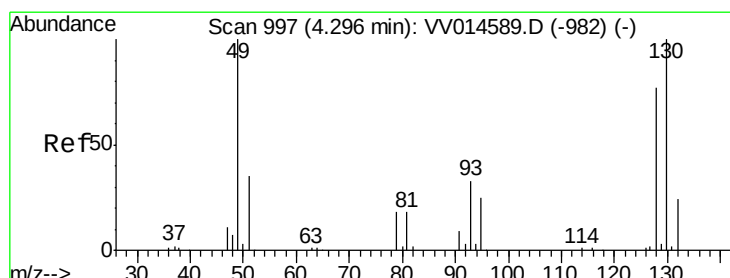
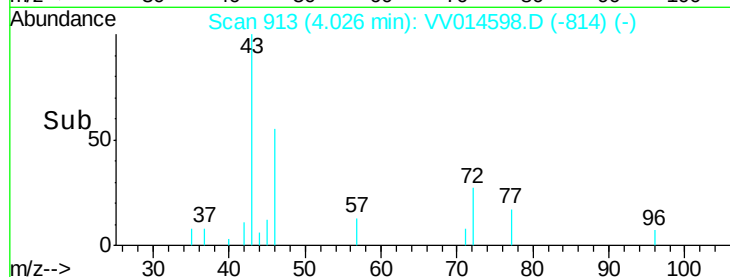
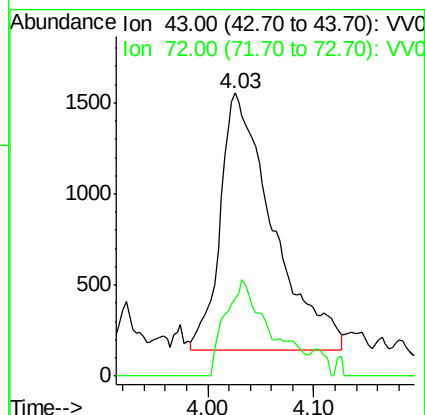
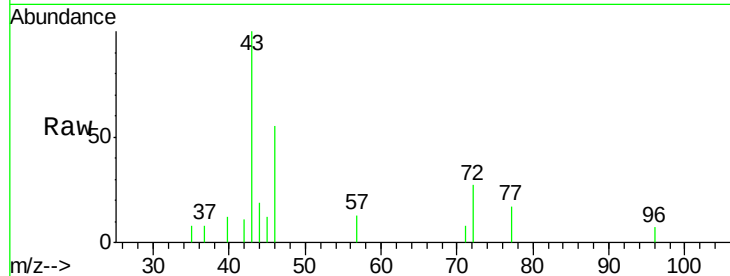
Ion Ratio Lower Upper

43 100

72 20.8 15.1 45.3

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#23

Bromochloromethane

Concen: 2.556 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Tgt Ion: 128 Resp: 2562

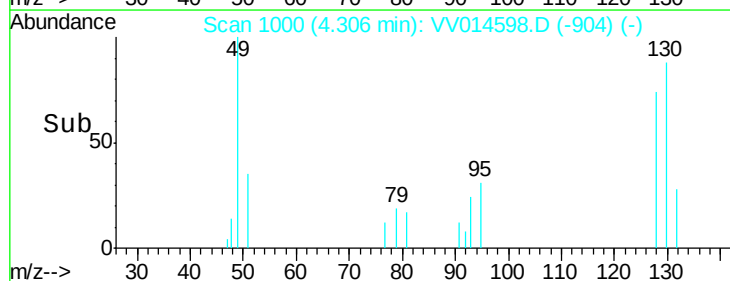
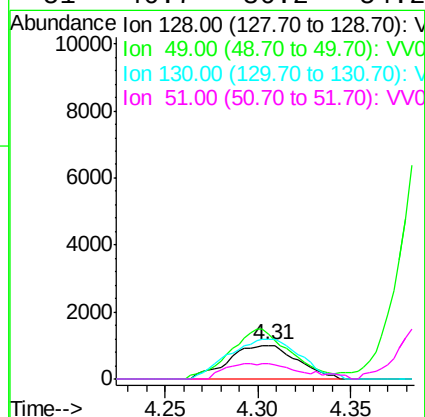
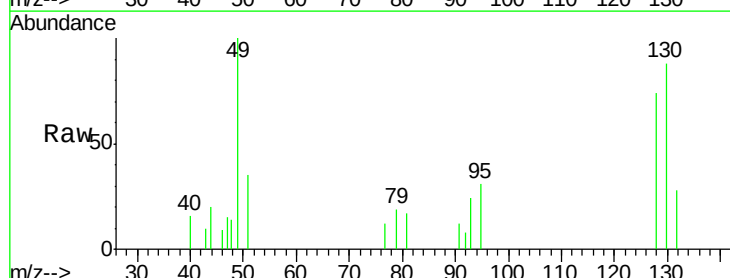
Ion Ratio Lower Upper

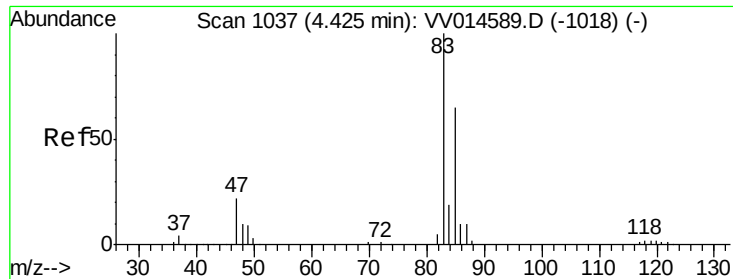
128 100

49 134.5 91.7 170.3

130 118.6 91.4 169.8

51 46.7 36.2 54.2





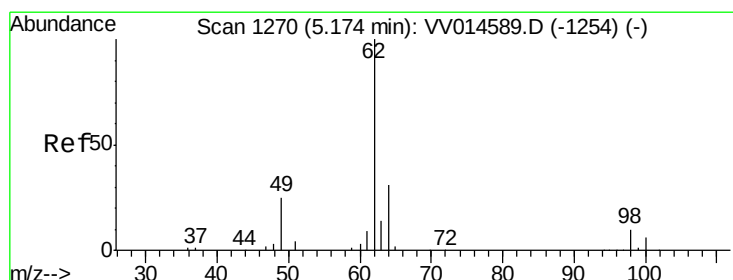
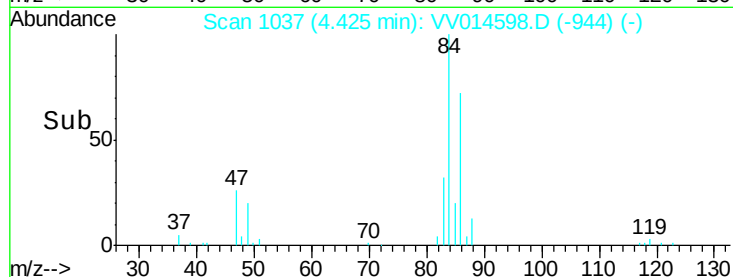
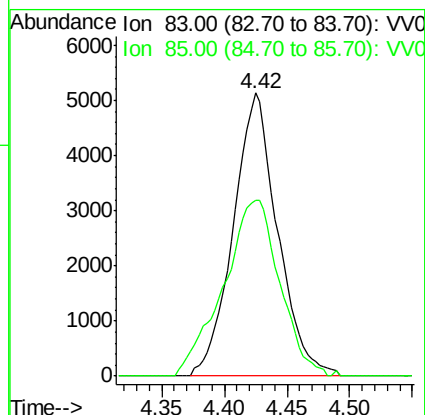
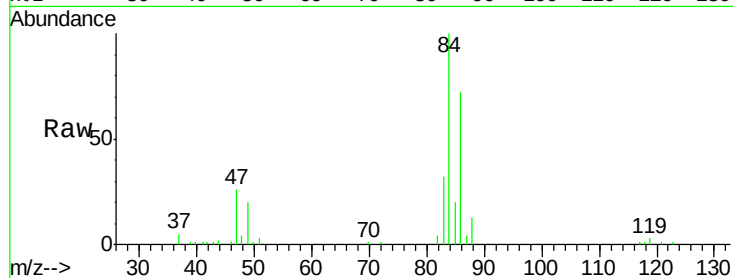
#25
Chloroform
Concen: 3.622 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 83 Resp: 12640
Ion Ratio Lower Upper
83 100
85 62.0 45.4 84.4

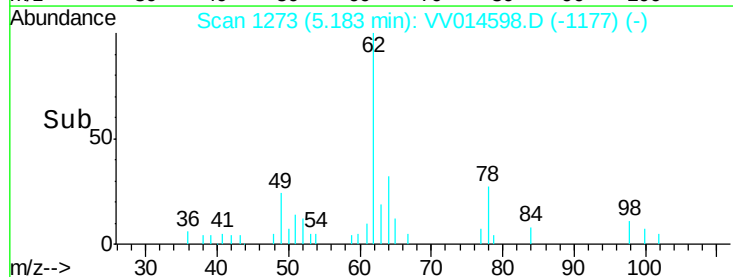
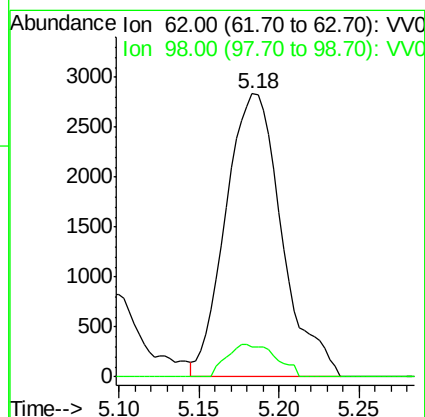
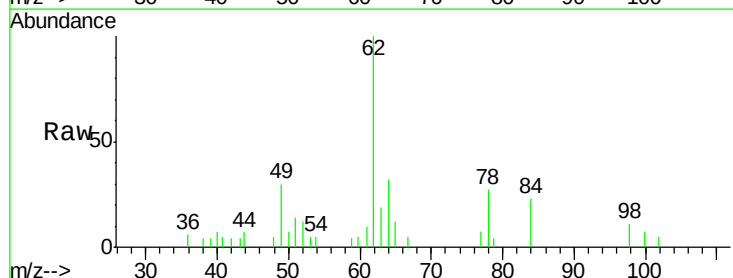
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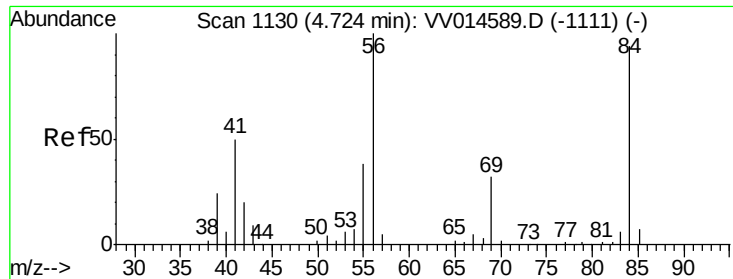
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.615 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion: 62 Resp: 6827
Ion Ratio Lower Upper
62 100
98 10.7 8.1 12.1





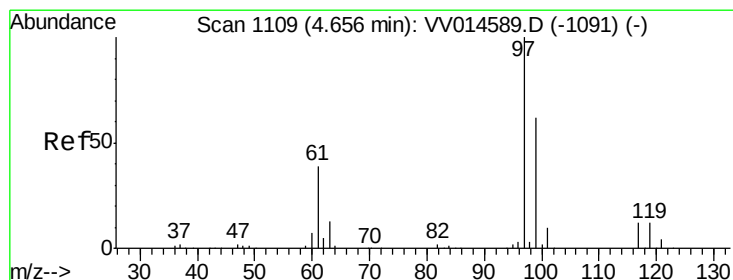
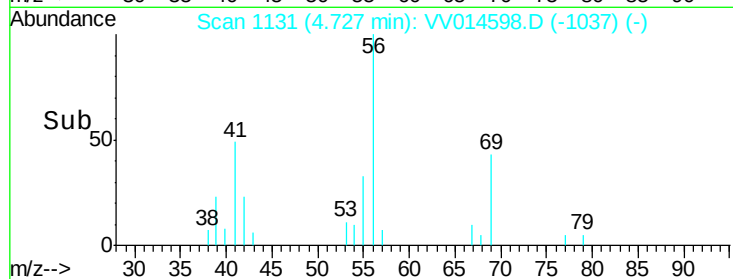
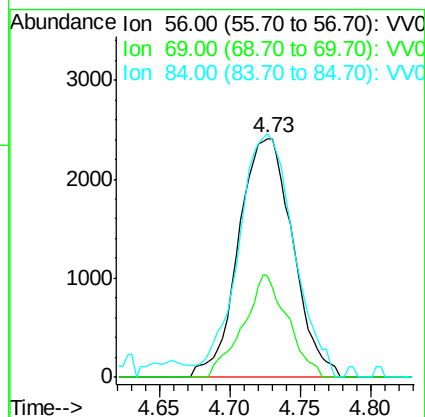
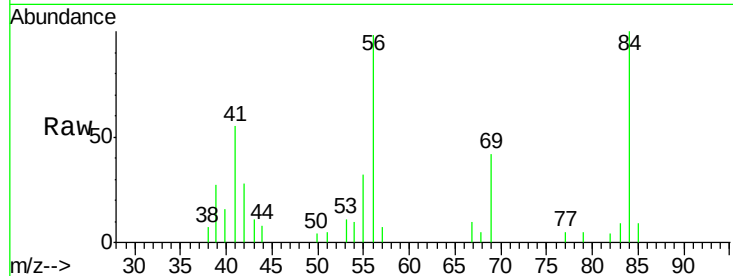
#29
Cyclohexane
Concen: 2.508 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.6	39.8
84	104.0	76.6	114.8

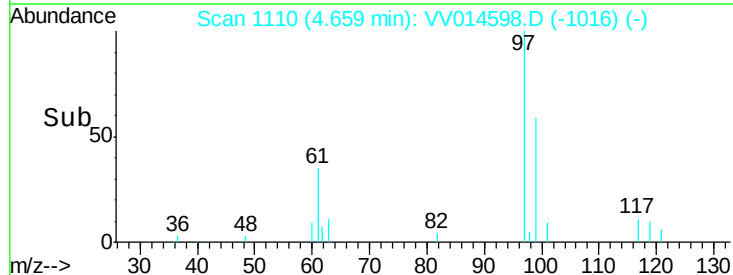
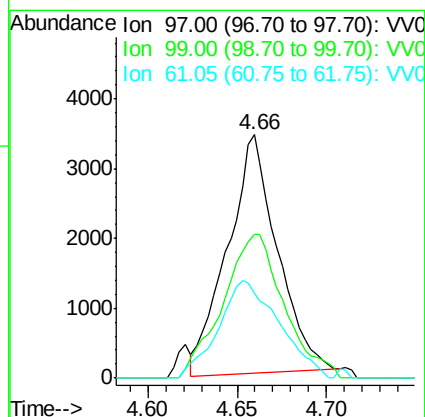
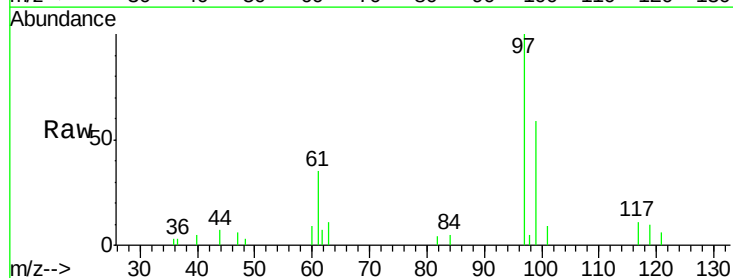
Manual Integrations
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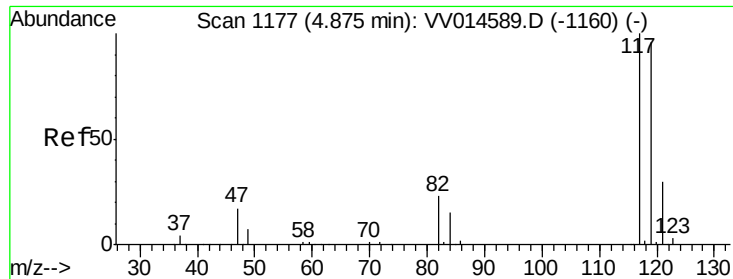
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 2.219 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	73.5	50.6	76.0
61	49.6	31.6	47.4





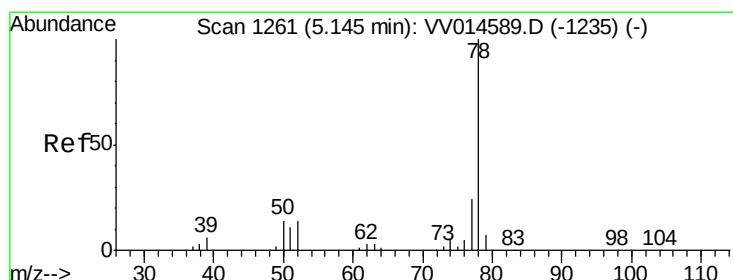
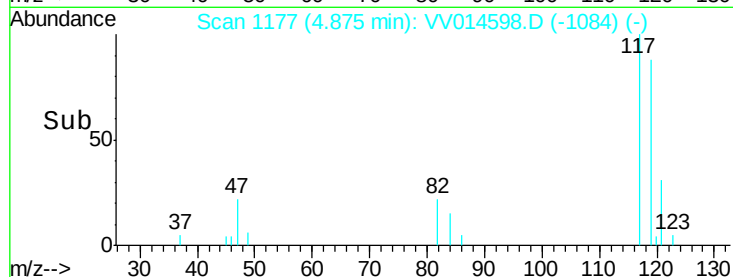
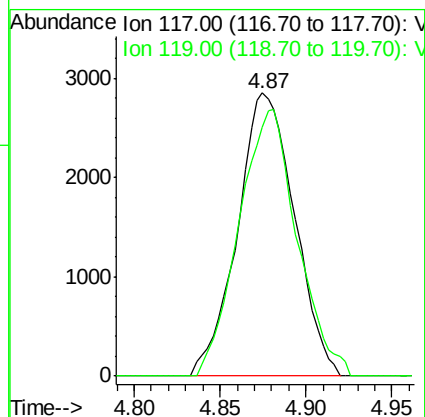
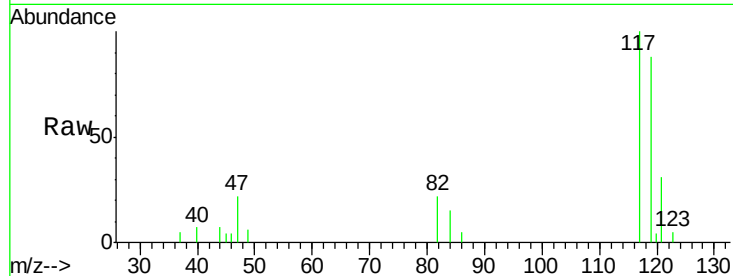
#31
Carbon tetrachloride
Concen: 2.451 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:117 Resp: 6575
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.4

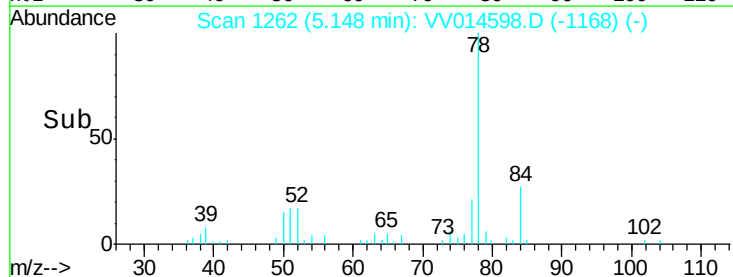
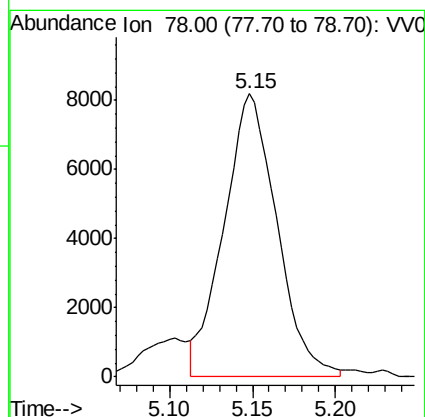
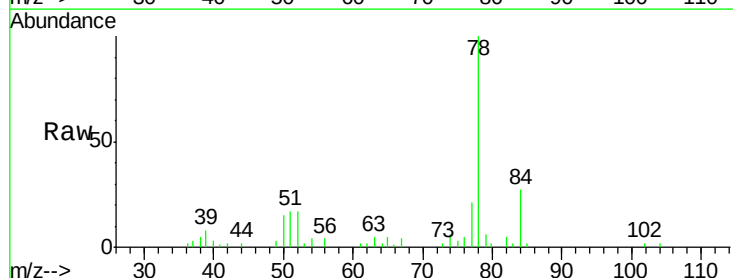
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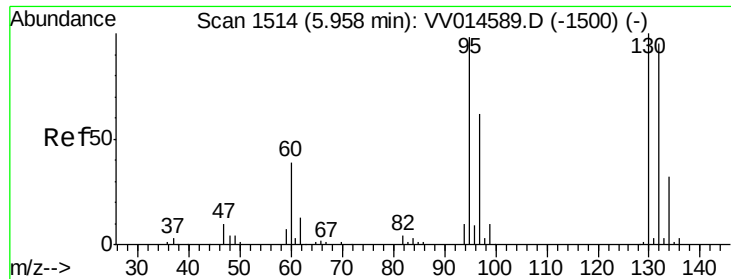
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#33
Benzene
Concen: 2.620 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion: 78 Resp: 18225





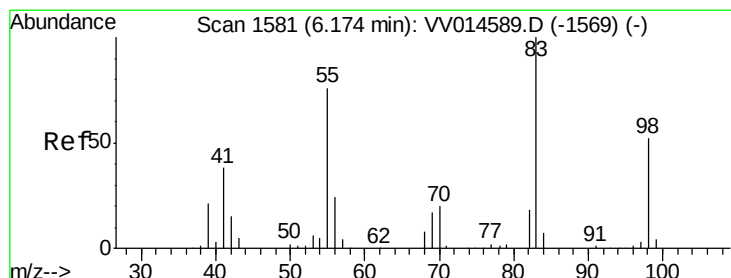
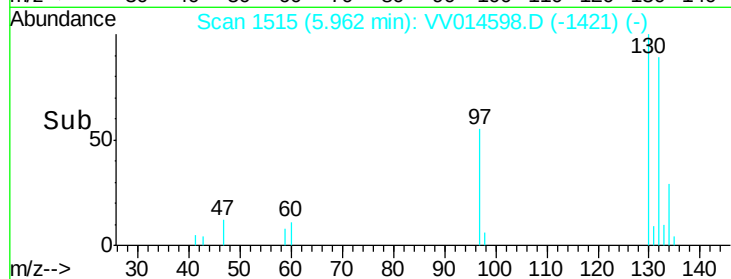
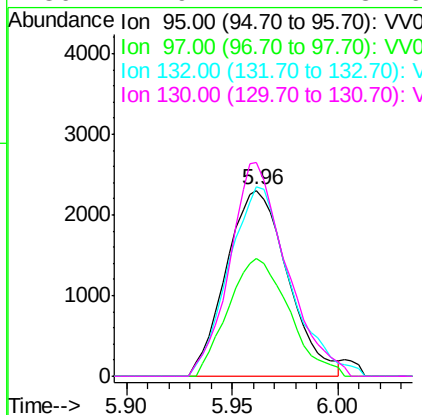
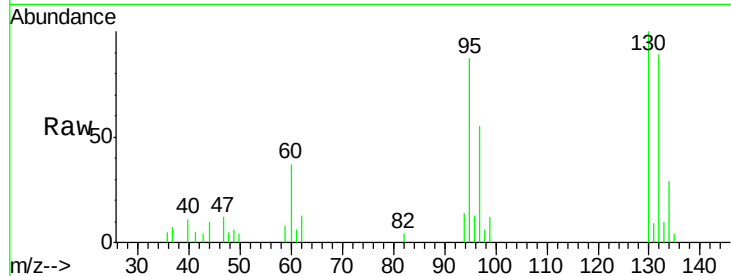
#34
 Trichloroethene
 Concen: 2.467 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion:	95	Resp:	4681
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.4	82.4
132	101.8	67.8	125.8
130	114.9	71.4	132.6

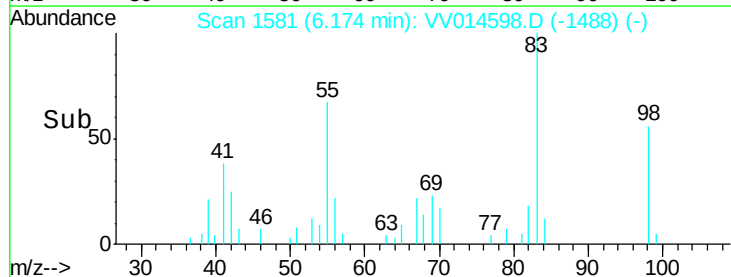
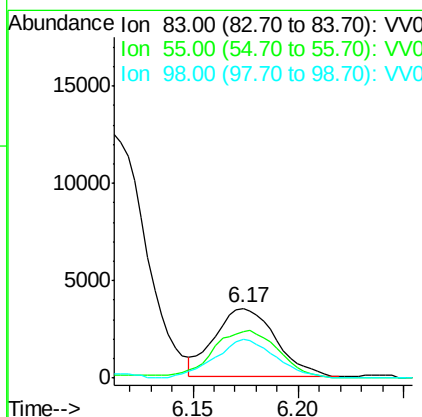
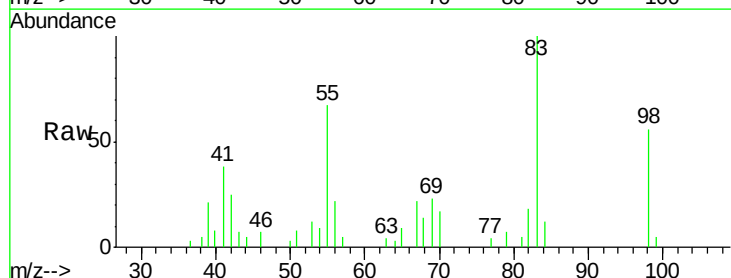
Manual Integrations
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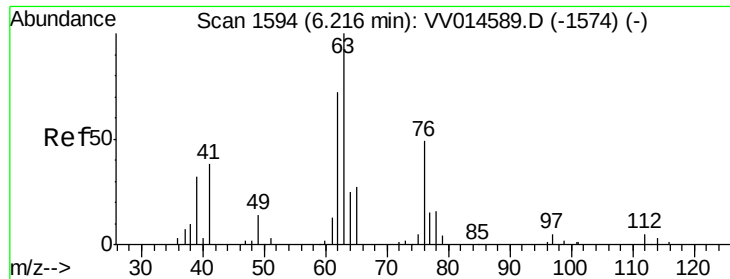
MMDadoda
 2/24/2020 12:32:59 PM



#35
 Methylcyclohexane
 Concen: 2.400 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion:	83	Resp:	7084
Ion	Ratio	Lower	Upper
83	100		
55	75.8	57.4	86.2
98	56.3	40.4	60.6





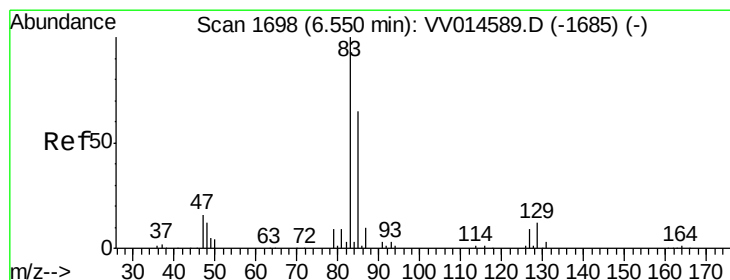
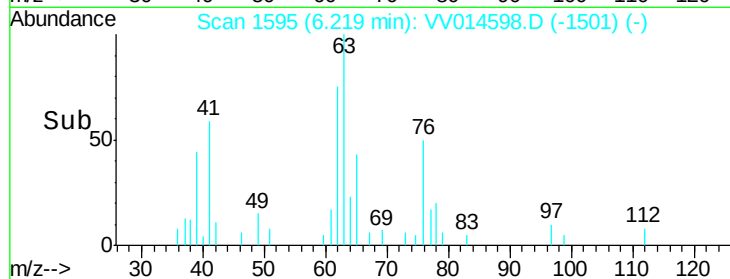
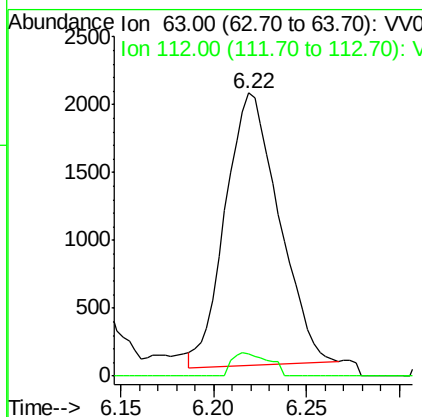
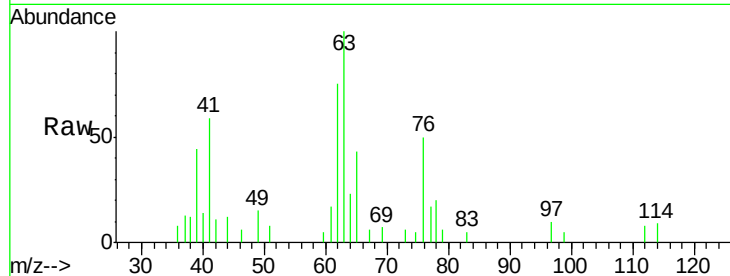
#37
 1,2-Dichloropropane
 Concen: 2.383 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL07

Tot Ion: 63 Resp: 4020
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.2

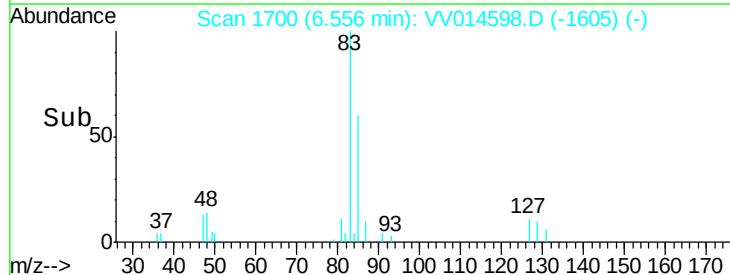
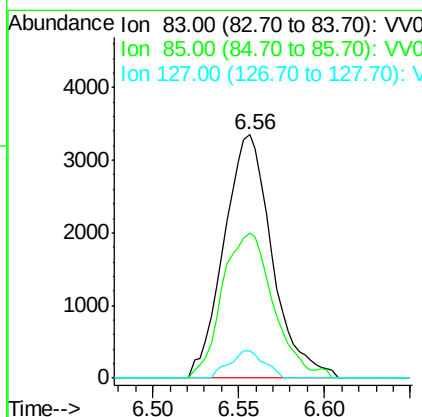
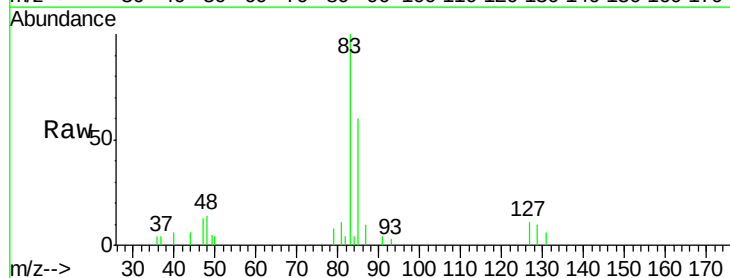
Manual Integrations
 APPROVED

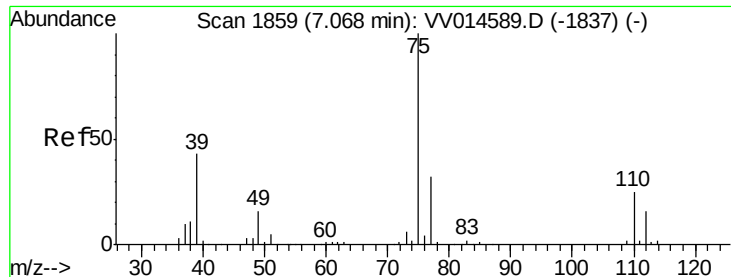
MMDadoda
 2/24/2020 12:32:59 PM



#38
 Bromodichloromethane
 Concen: 2.483 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion: 83 Resp: 6525
 Ion Ratio Lower Upper
 83 100
 85 59.6 45.5 84.5
 127 11.3 7.1 10.7#





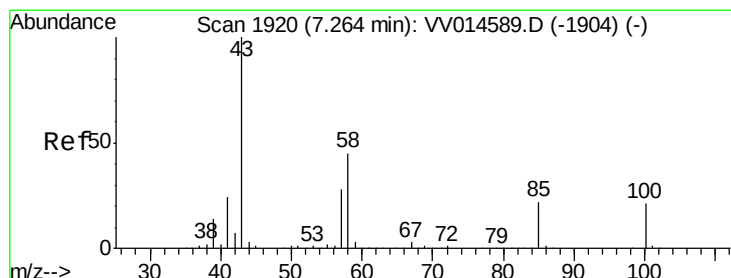
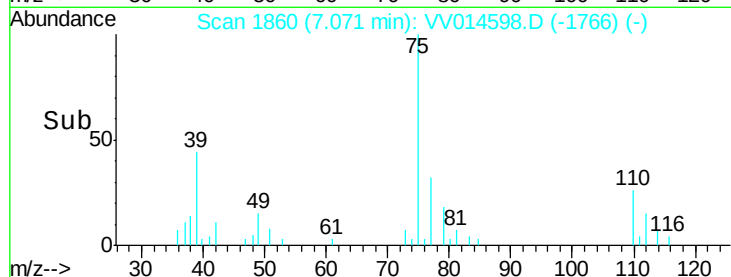
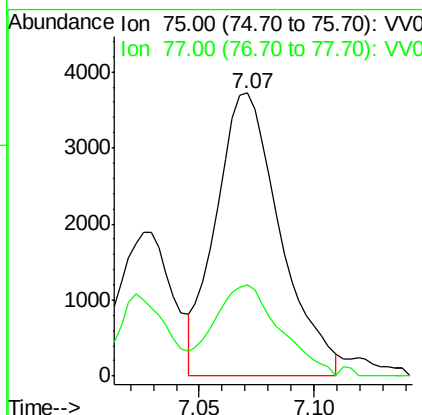
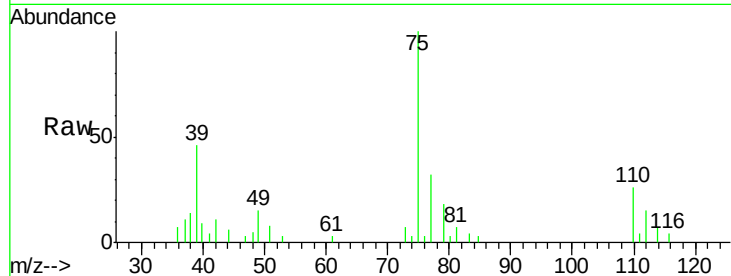
#39
 cis-1,3-Dichloropropene
 Concen: 2.426 ug/L m
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	22.3	41.5

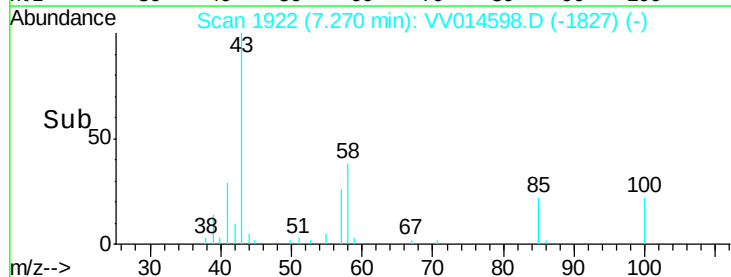
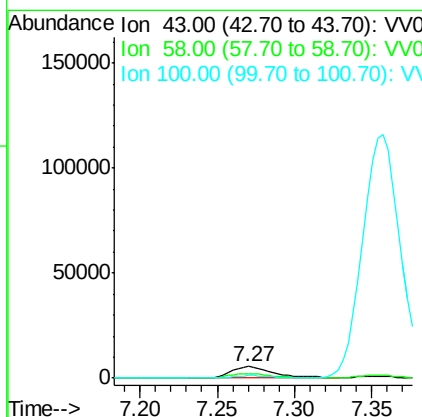
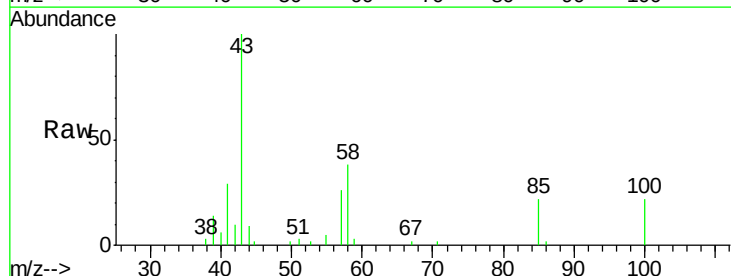
Manual Integrations
 APPROVED

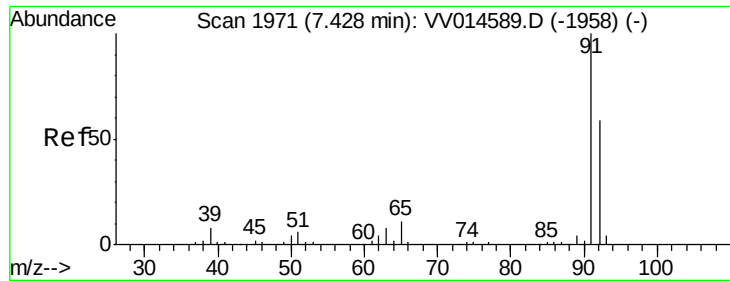
MMDadoda
 2/24/2020 12:32:59 PM



#40
 4-Methyl-2-pentanone
 Concen: 5.071 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.8	35.6	53.4
100	19.1	16.0	24.0





#42

Toluene

Concen: 2.575 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 91 Resp: 19732

Ion Ratio Lower Upper

91 100

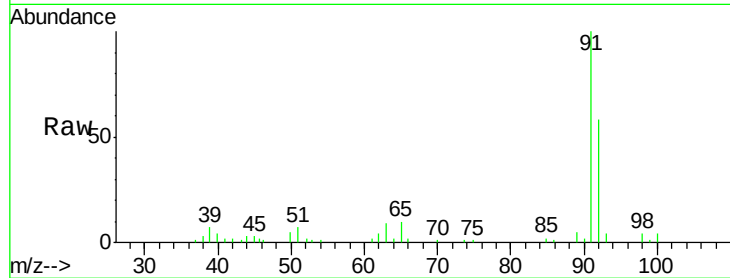
92 58.3 41.2 76.6

Manual Integrations

APPROVED

MMDadoda

2/24/2020 12:32:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

12000

10000

8000

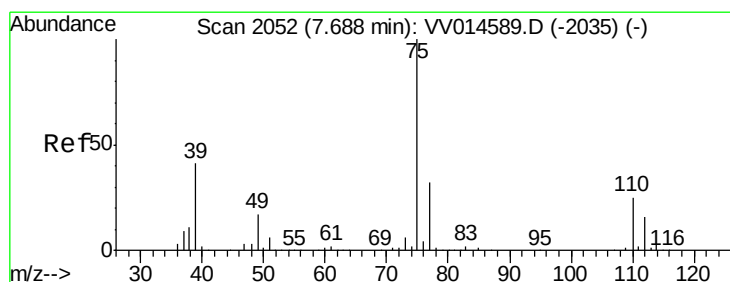
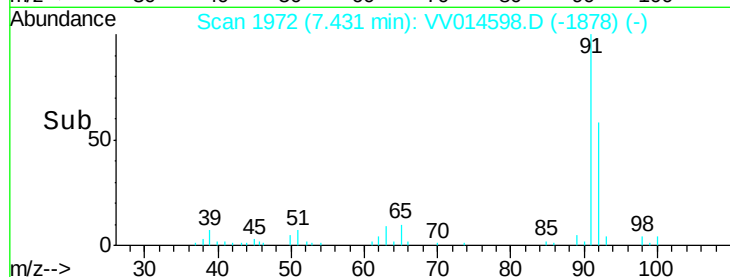
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.477 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014598.D

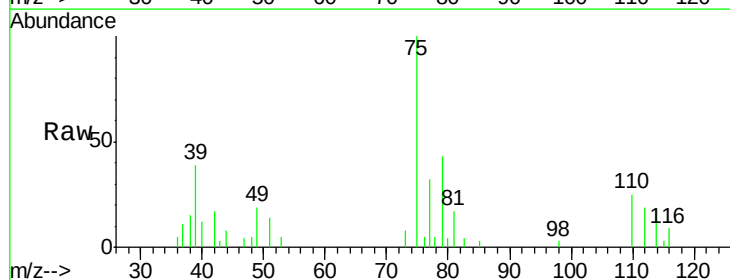
Acq: 17 Feb 2020 17:12

Tgt Ion: 75 Resp: 6905

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

4000

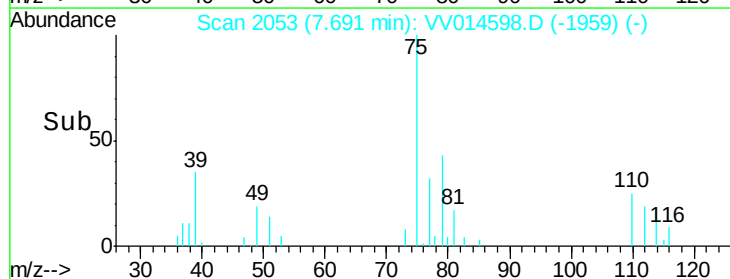
3000

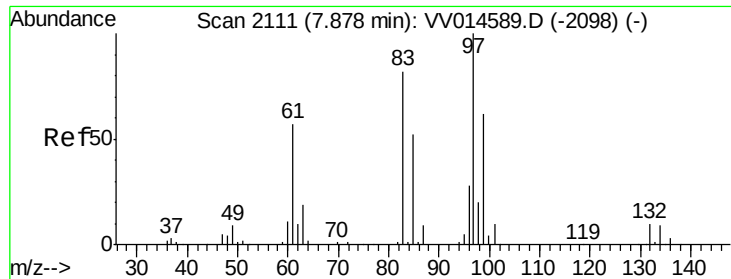
2000

1000

0

Time-->





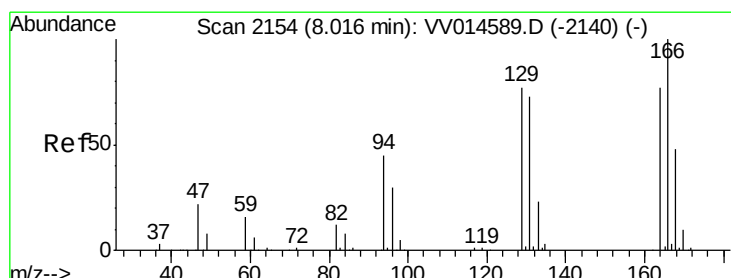
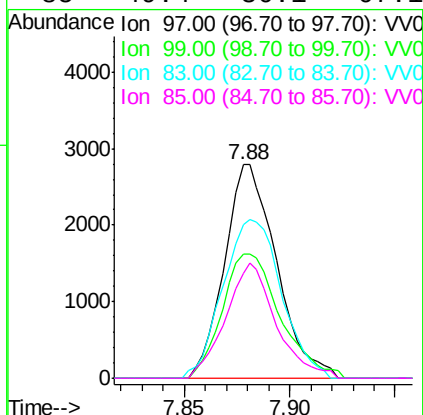
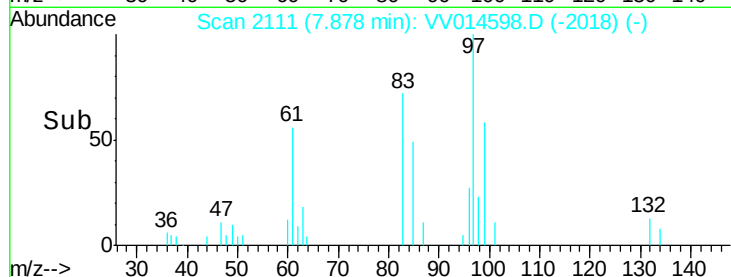
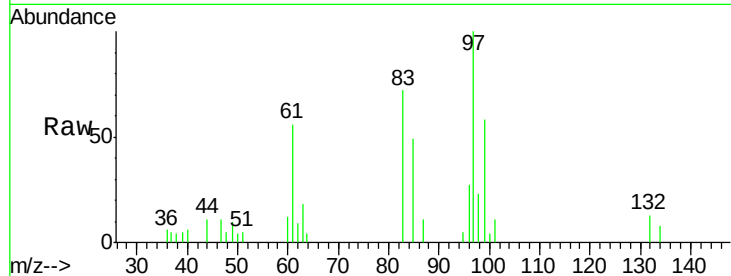
#45
1,1,2-Trichloroethane
Concen: 2.633 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:	97	Resp:	4781
Ion	Ratio	Lower	Upper
97	100		
99	57.9	43.4	80.6
83	71.8	57.6	107.0
85	49.4	36.1	67.1

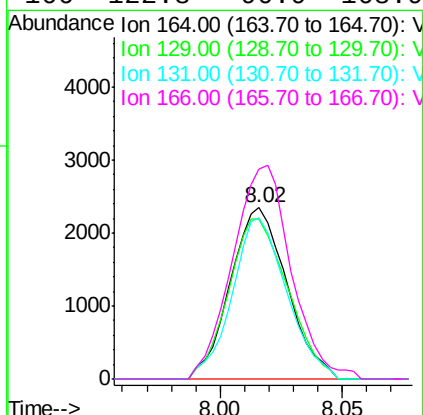
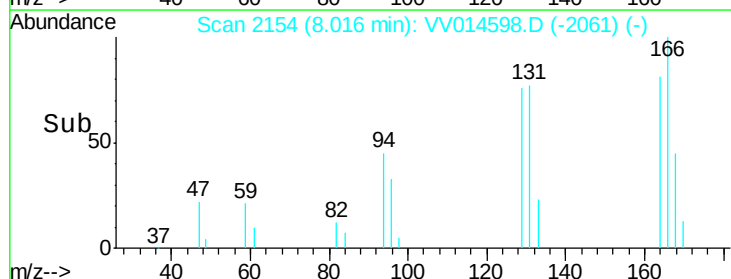
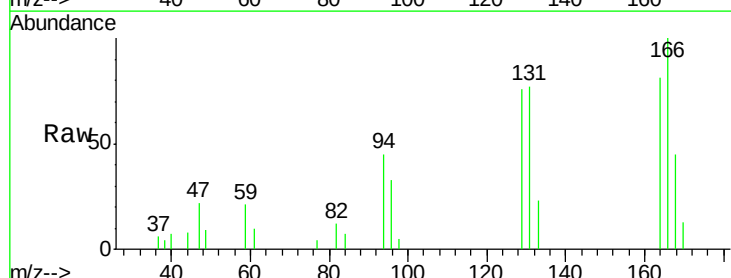
Manual Integrations
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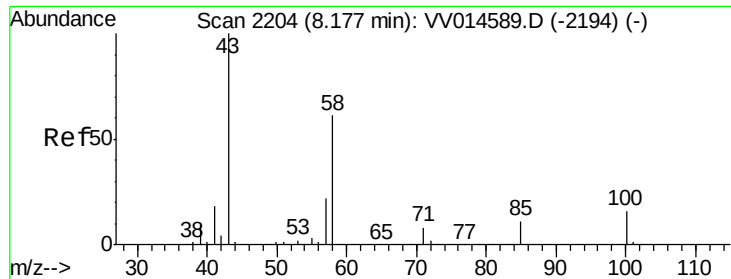
MMDadoda
2/24/2020 12:32:59 PM



#46
Tetrachloroethene
Concen: 2.497 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion:	164	Resp:	3789
Ion	Ratio	Lower	Upper
164	100		
129	93.7	69.8	129.6
131	94.5	66.2	123.0
166	122.8	90.9	168.9





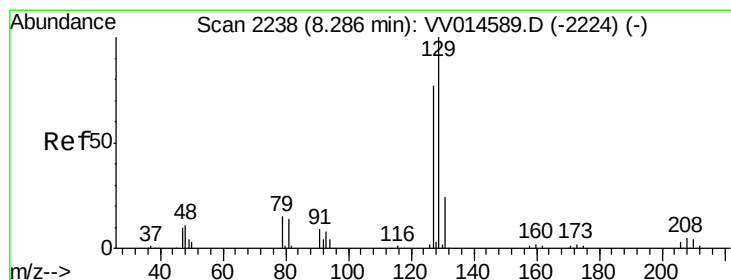
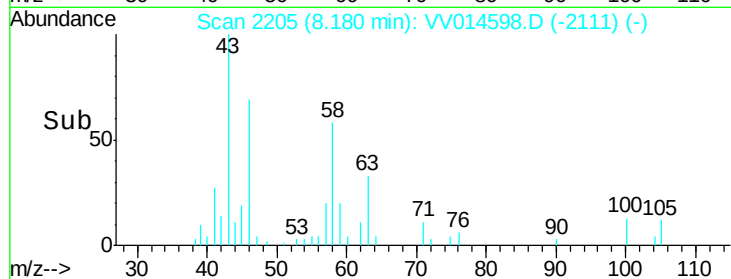
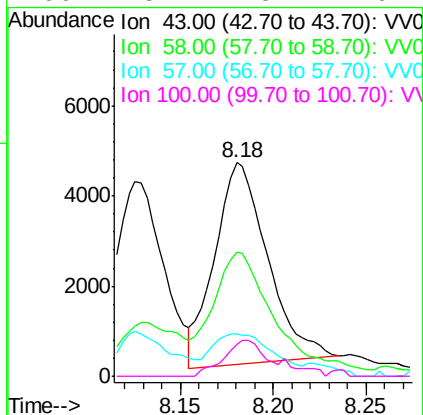
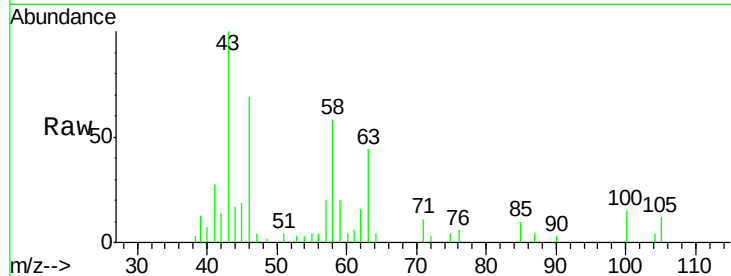
#48
2-Hexanone
Concen: 5.387 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	58.7	49.8	74.6	
57	24.6	17.0	25.6	
100	13.7	13.4	20.2	

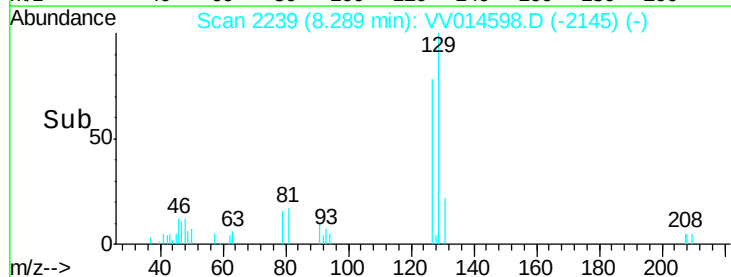
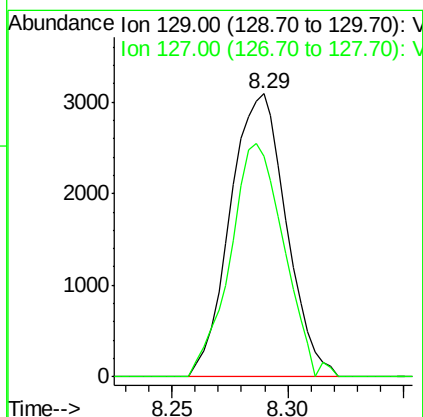
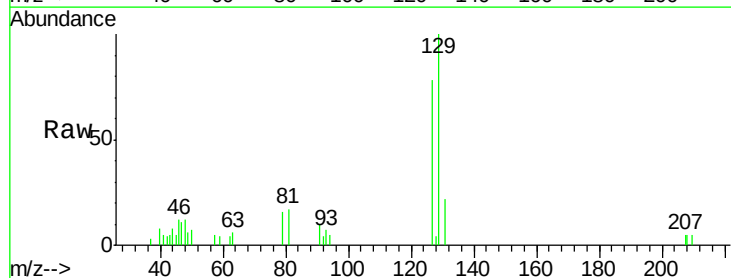
Manual Integrations
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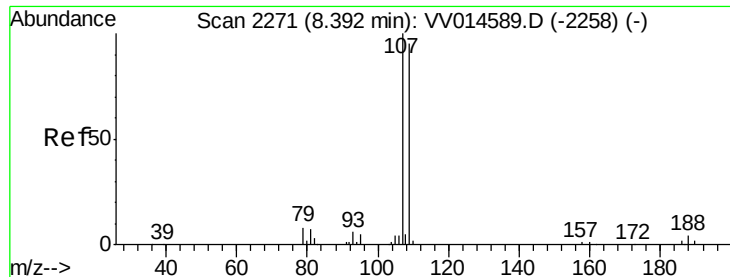
MMDadoda
2/24/2020 12:32:59 PM



#49
Dibromochloromethane
Concen: 2.360 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	53.8	100.0	





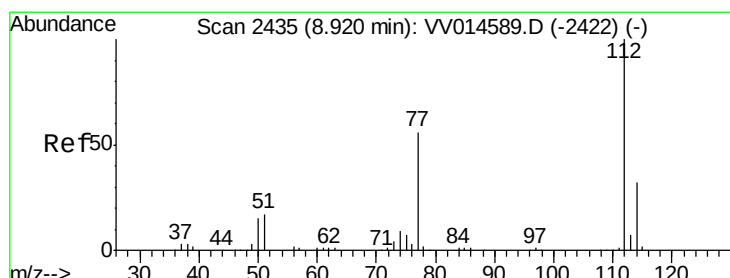
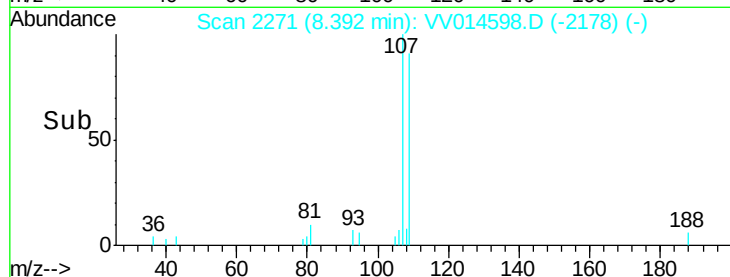
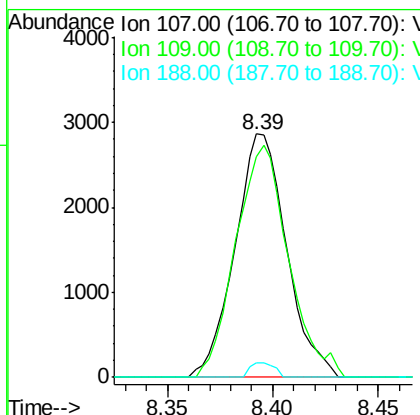
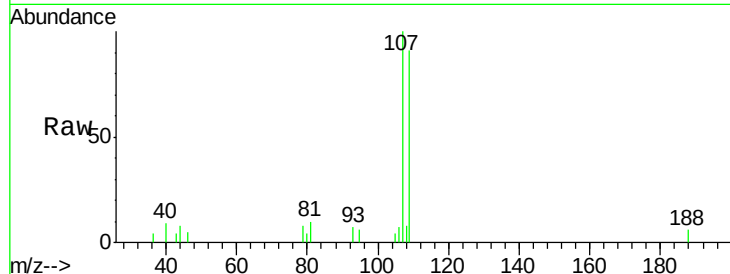
#50
1,2-Dibromoethane
Concen: 2.443 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.7	66.5	123.5
188	5.7	3.3	4.9

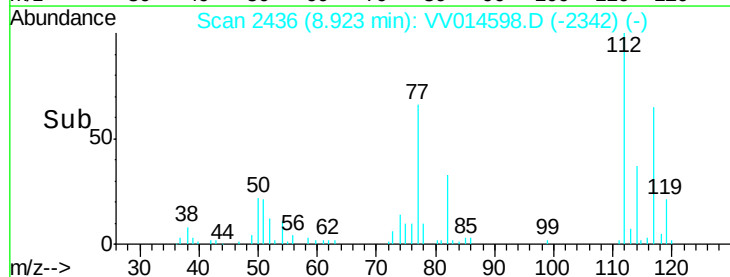
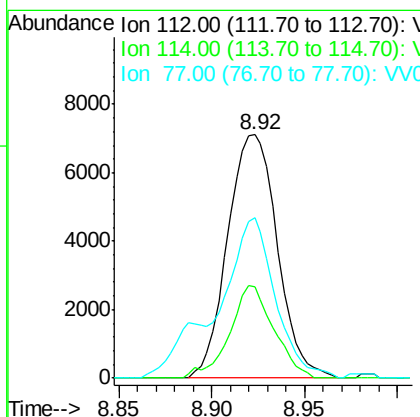
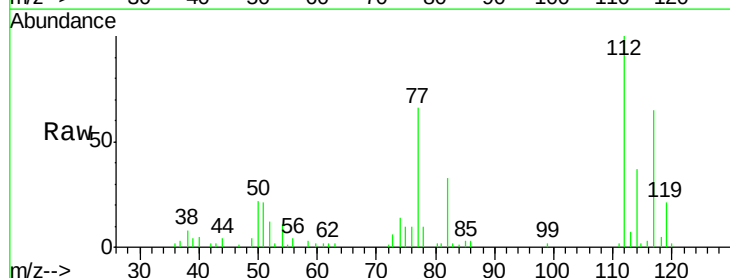
Manual Integrations
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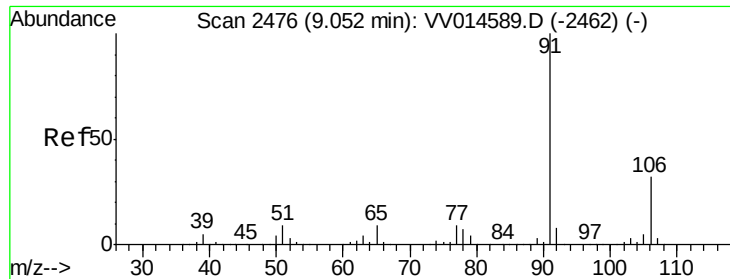
MMDadoda
2/24/2020 12:32:59 PM



#51
Chlorobenzene
Concen: 2.557 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	37.3	22.4	41.6
77	65.7	45.5	68.3





#52

Ethylbenzene

Concen: 2.473 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 21789

Ion Ratio Lower Upper

91 100

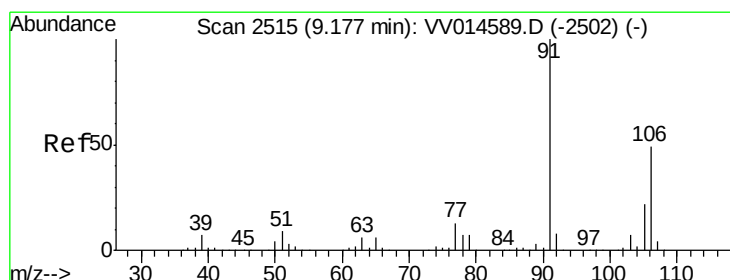
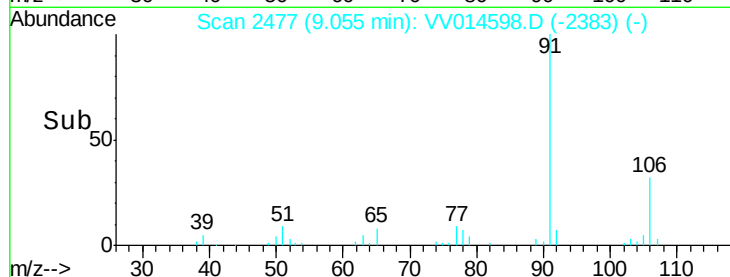
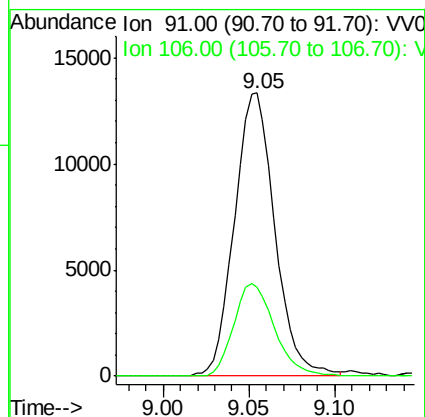
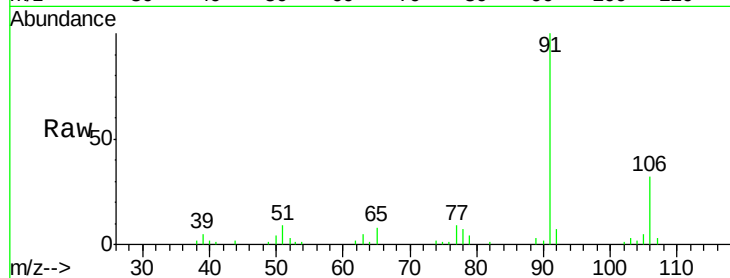
106 31.5 22.0 41.0

Manual Integrations

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MMDadoda

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#53

m,p-Xylene

Concen: 2.470 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014598.D

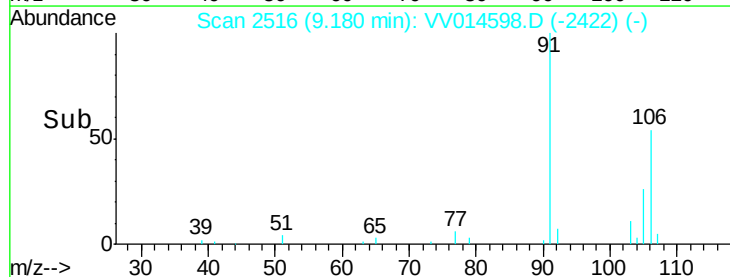
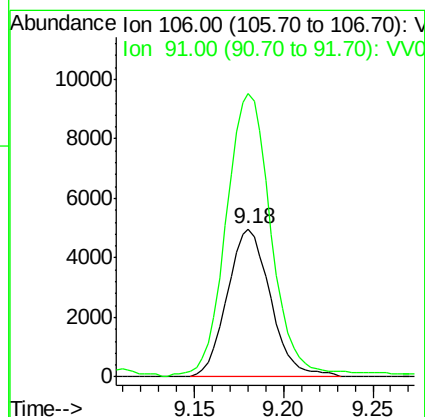
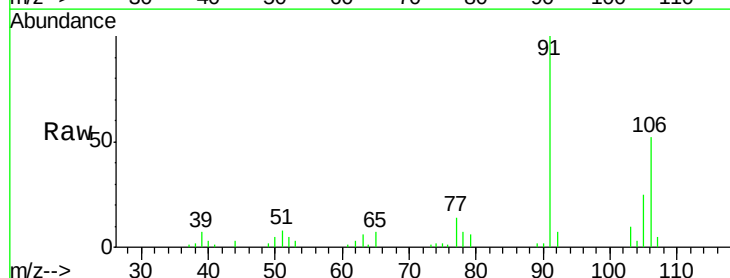
Acq: 17 Feb 2020 17:12

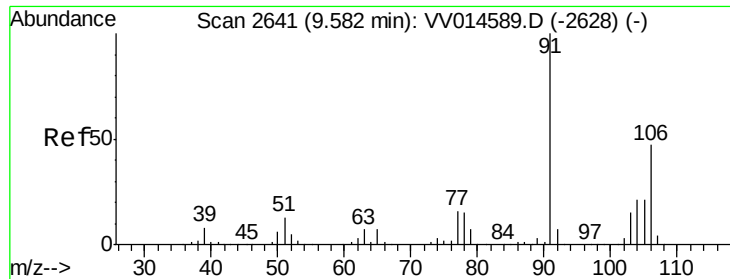
Tgt Ion: 106 Resp: 8419

Ion Ratio Lower Upper

106 100

91 191.3 141.7 263.3





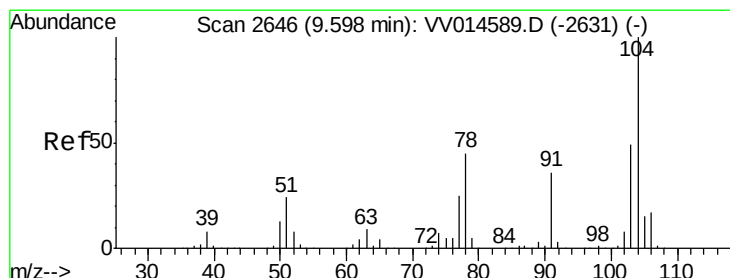
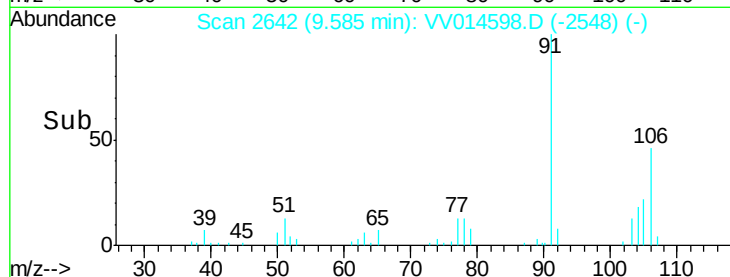
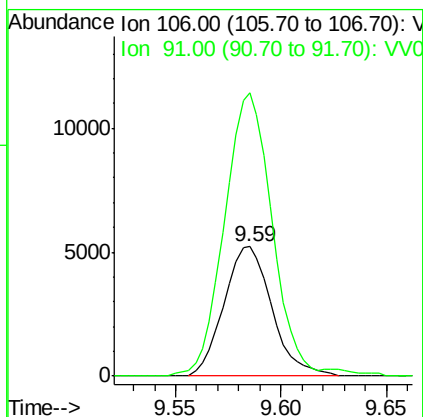
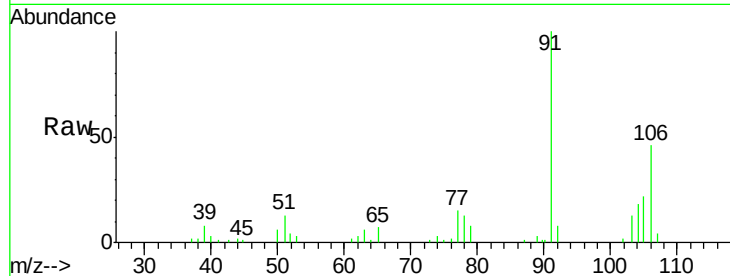
#54
o-Xylene
Concen: 2.519 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion:106 Resp: 8269
Ion Ratio Lower Upper
106 100
91 219.0 150.5 279.5

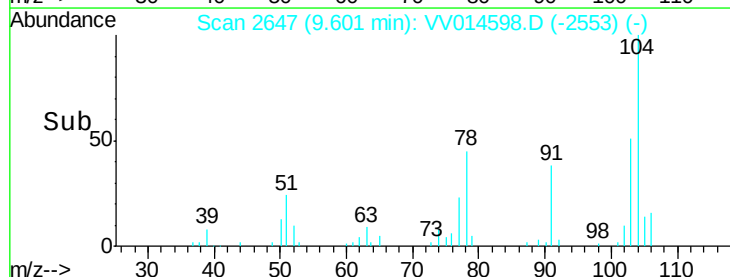
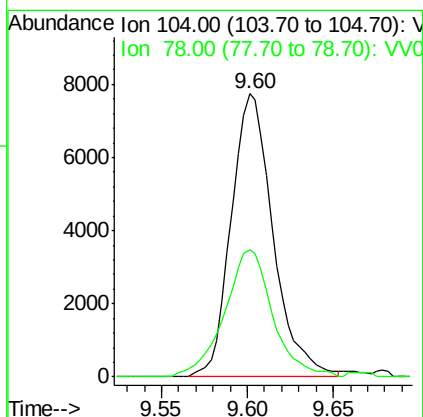
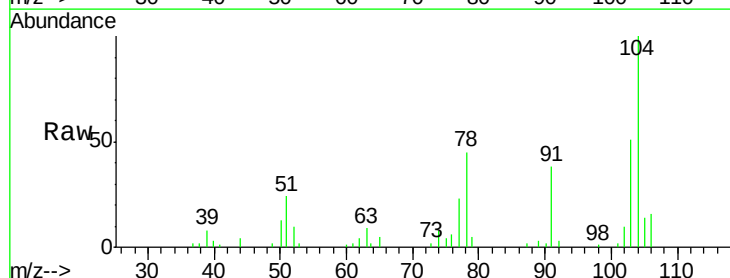
Manual Integrations
APPROVED

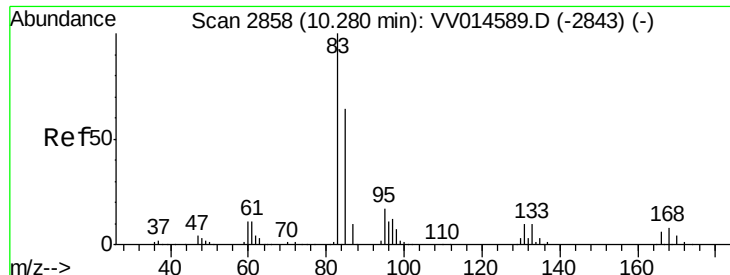
MMDadoda
2/24/2020 12:32:59 PM



#55
Styrene
Concen: 2.345 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion:104 Resp: 13109
Ion Ratio Lower Upper
104 100
78 45.2 31.9 59.2





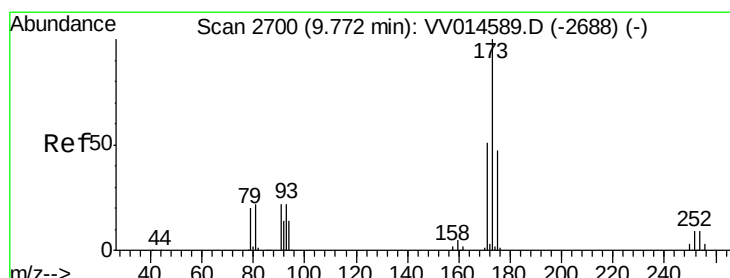
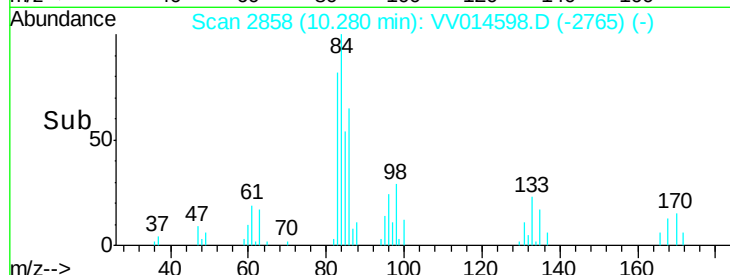
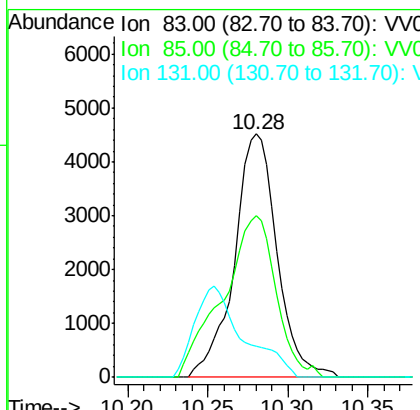
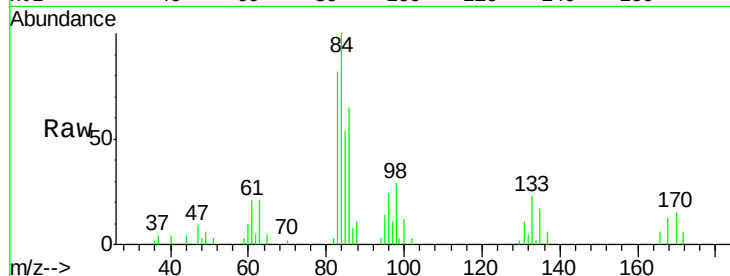
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.849 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.2	44.9	83.3
131	12.9	8.4	12.6#

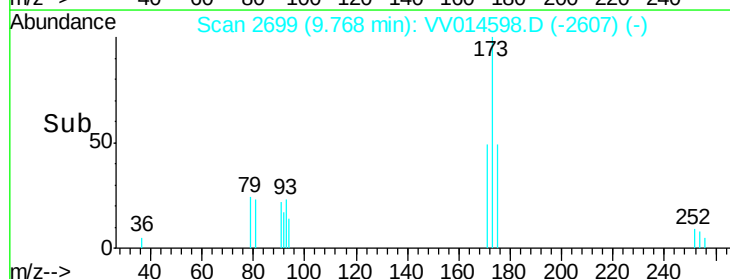
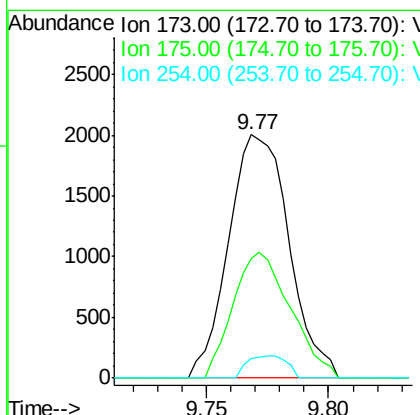
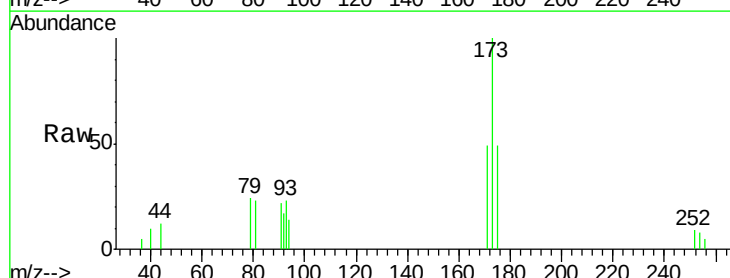
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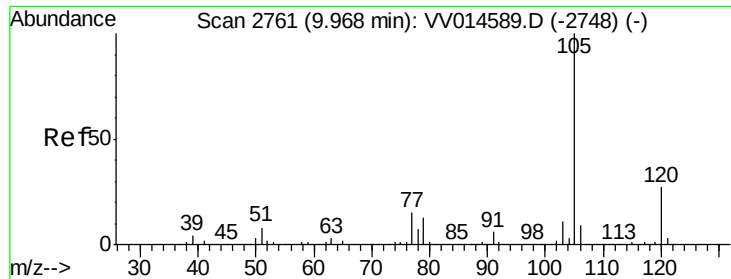
MMDadoda
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#59
 Bromoform
 Concen: 2.343 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.5	57.7
254	6.0	7.4	11.0#





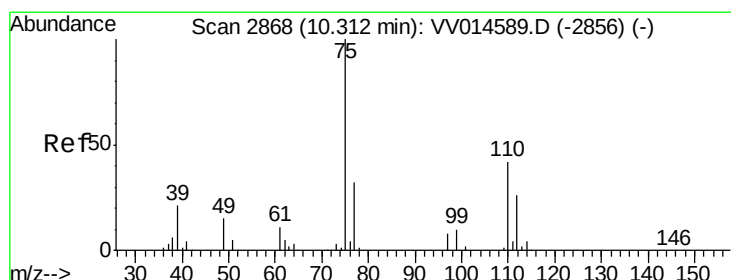
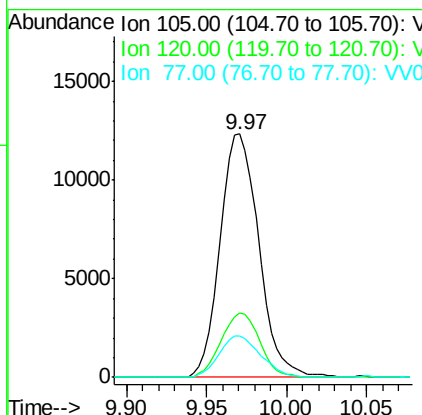
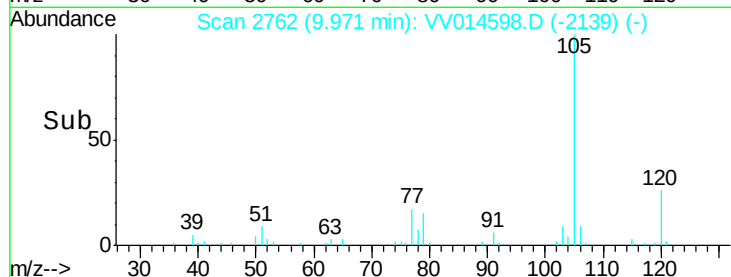
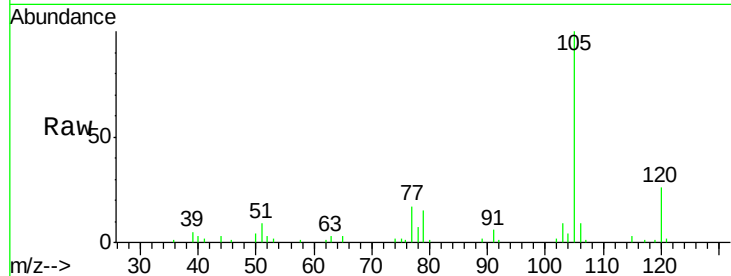
#60
Isopropylbenzene
Concen: 2.472 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.4	32.0
77	18.2	12.2	18.2

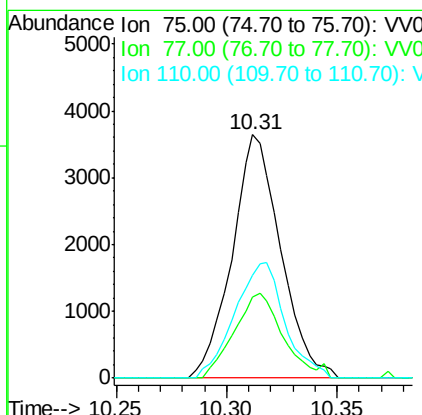
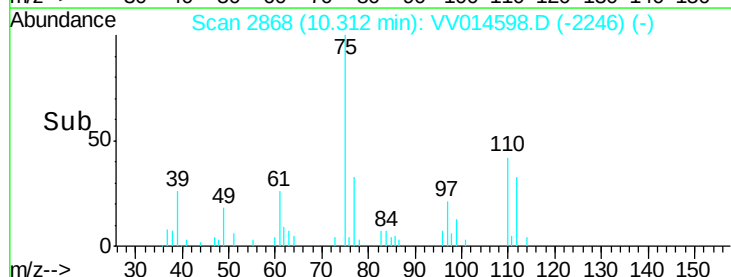
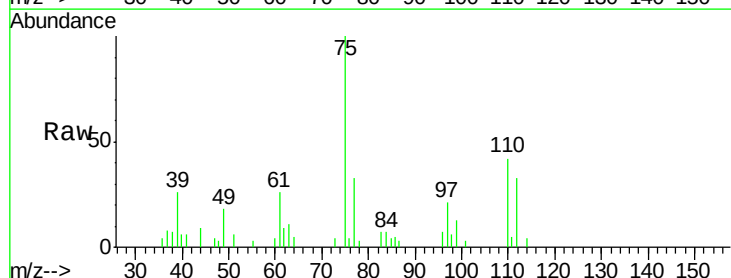
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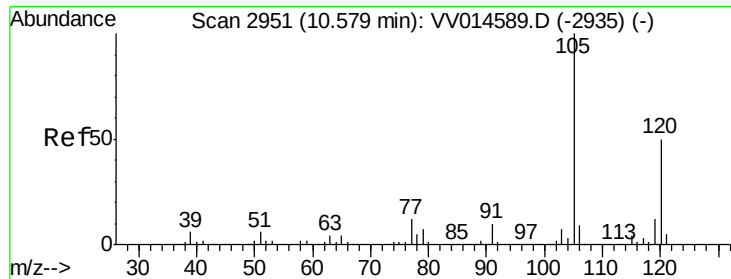
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#61
1,2,3-Trichloropropane
Concen: 2.566 ug/L
RT: 10.31 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.6	38.4
110	48.9	33.4	50.0





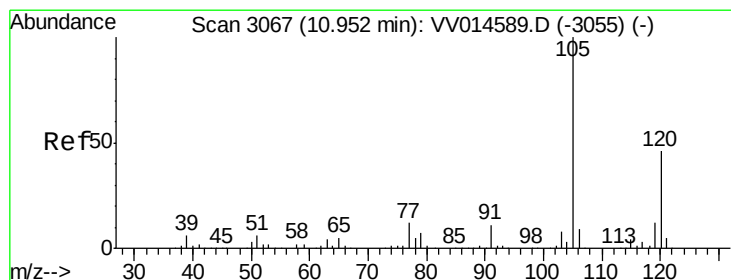
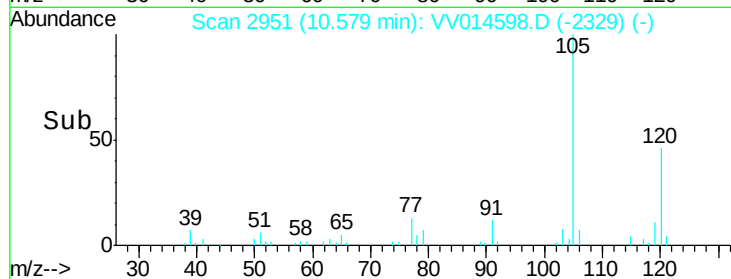
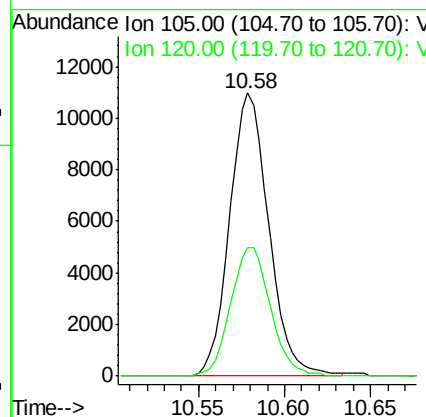
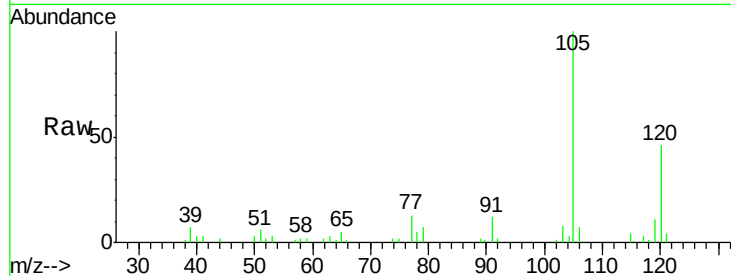
#62
 1,3,5-Trimethylbenzene
 Concen: 2.459 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion:105 Resp: 17383
 Ion Ratio Lower Upper
 105 100
 120 46.3 39.8 59.6

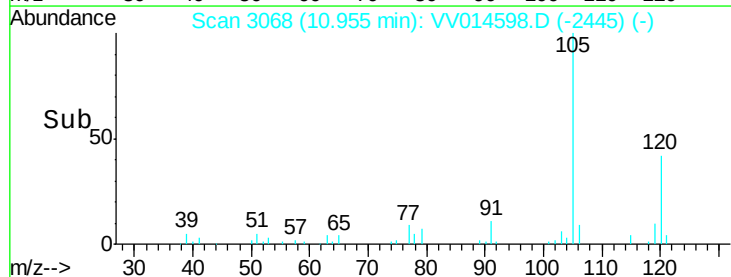
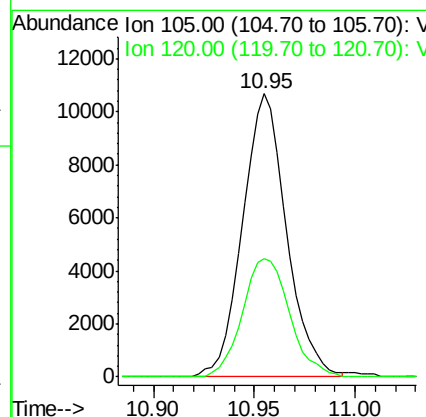
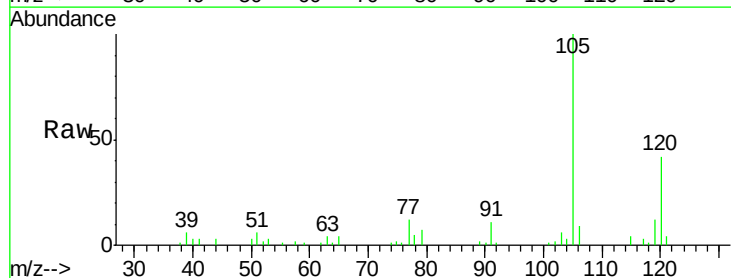
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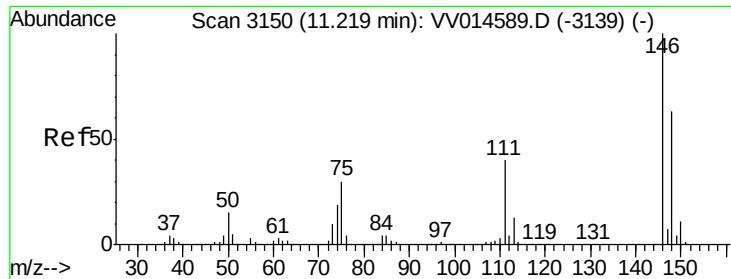
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#63
 1,2,4-Trimethylbenzene
 Concen: 2.360 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion:105 Resp: 16292
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.6 55.0





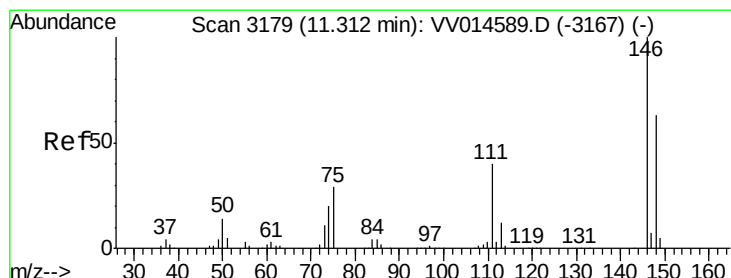
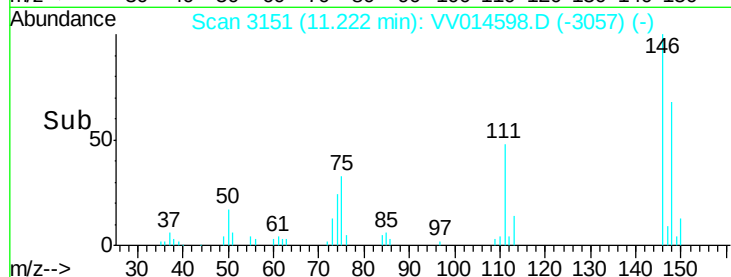
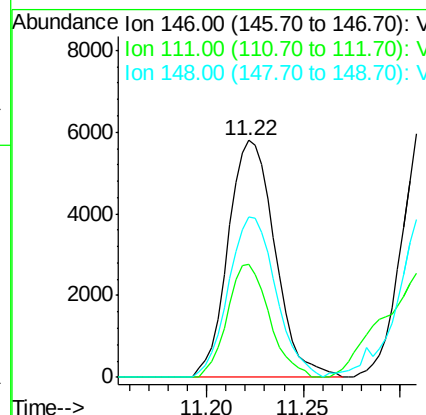
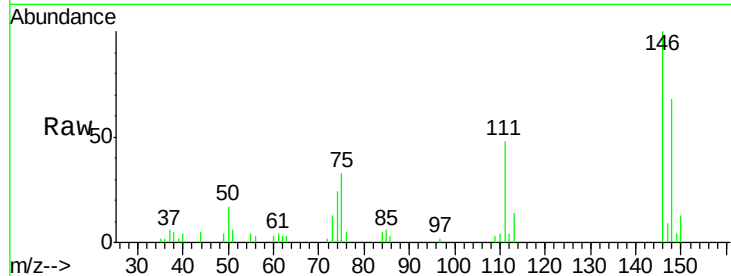
#64
 1,3-Dichlorobenzene
 Concen: 2.465 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	28.3	52.5
148	68.0	44.0	81.8

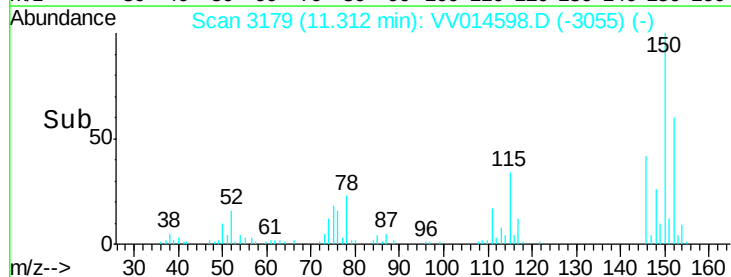
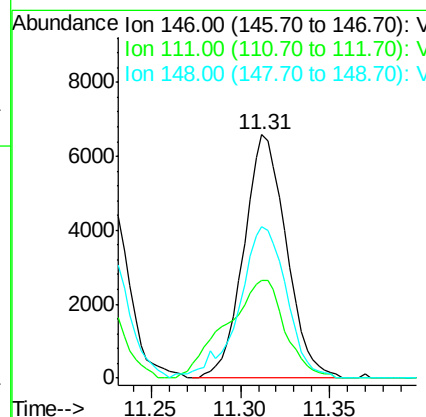
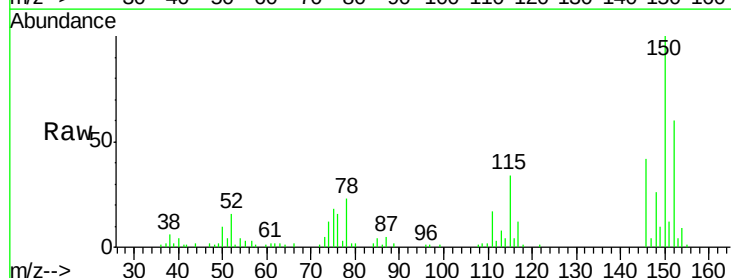
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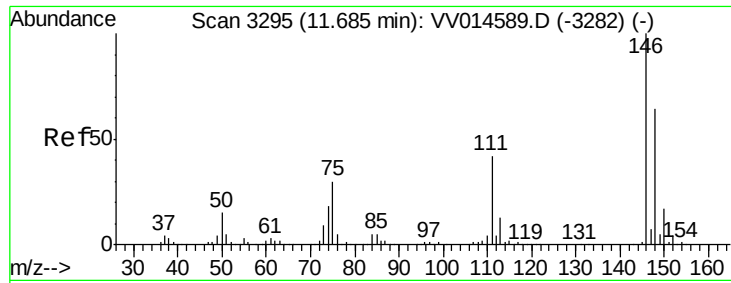
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#65
 1,4-Dichlorobenzene
 Concen: 2.691 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.9	51.9
148	62.1	44.2	82.2





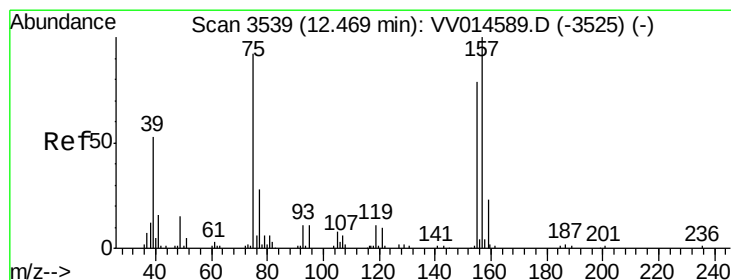
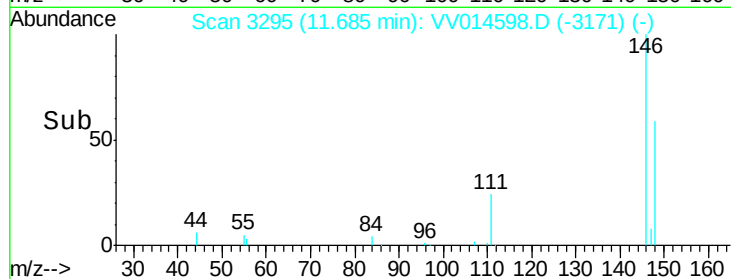
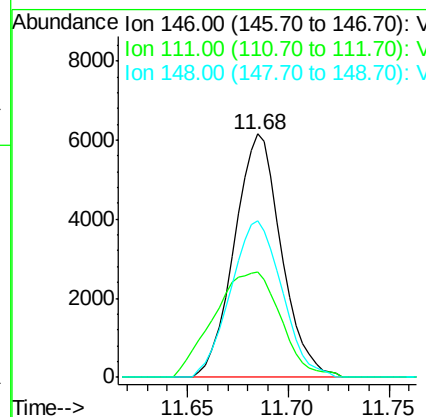
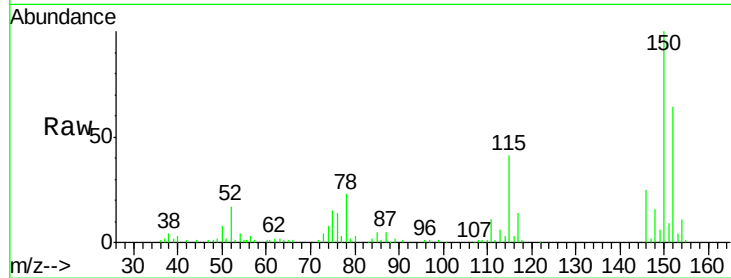
#67
 1,2-Dichlorobenzene
 Concen: 2.573 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	34.1	51.1
148	64.5	51.1	76.7

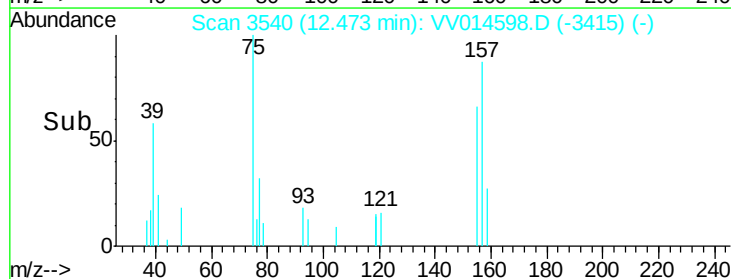
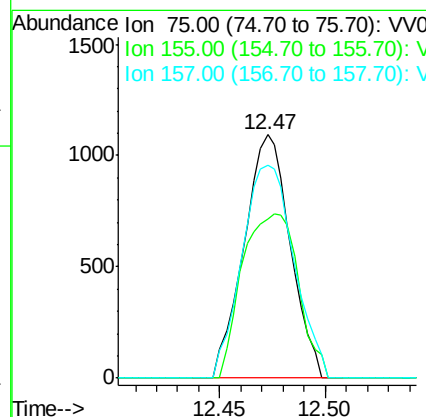
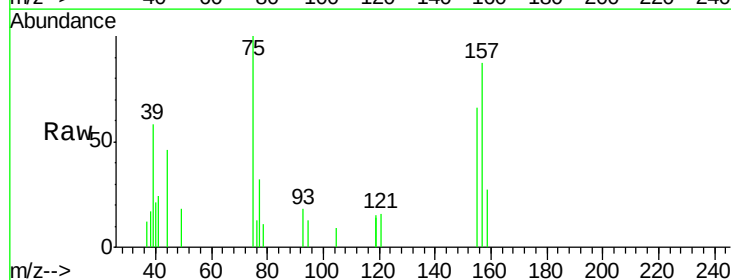
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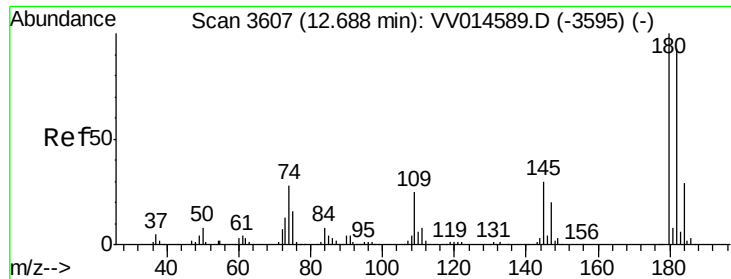
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.538 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.6	69.4	104.0#
157	87.3	87.4	131.0#





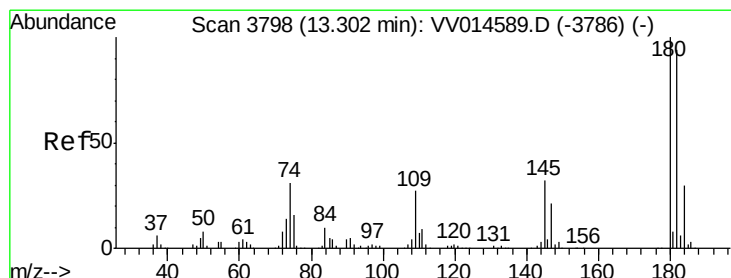
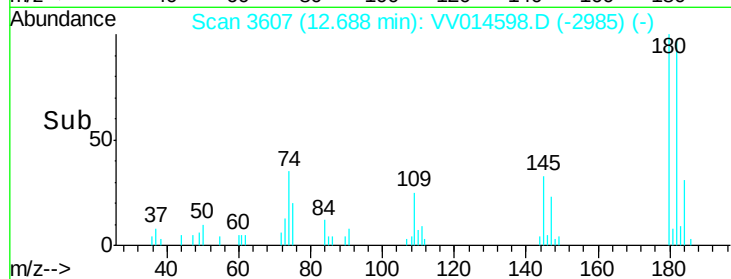
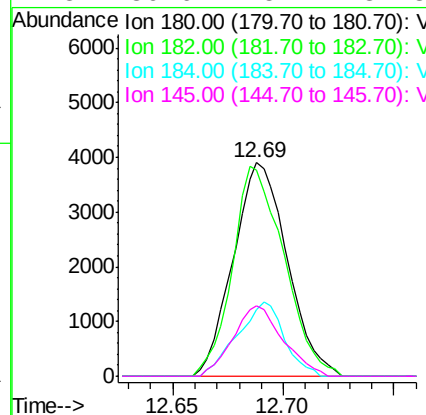
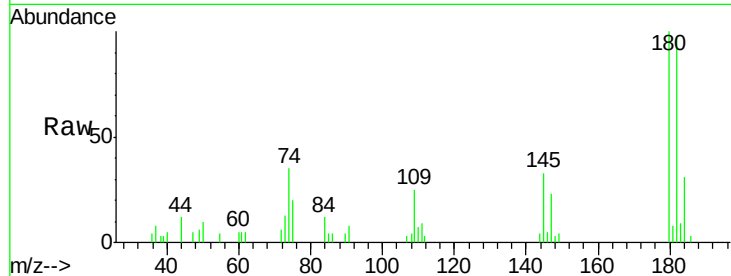
#69
 1,3,5-Trichlorobenzene
 Concen: 2.311 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.6	113.4
184	30.1	23.4	35.2
145	30.6	25.2	37.8

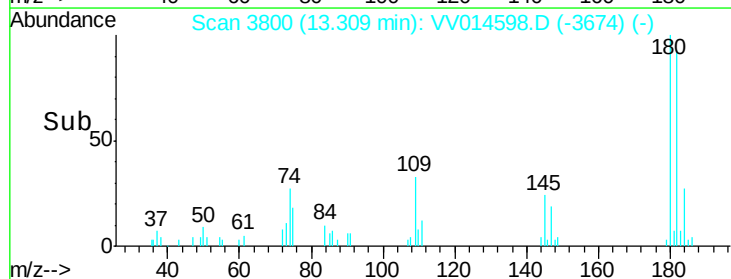
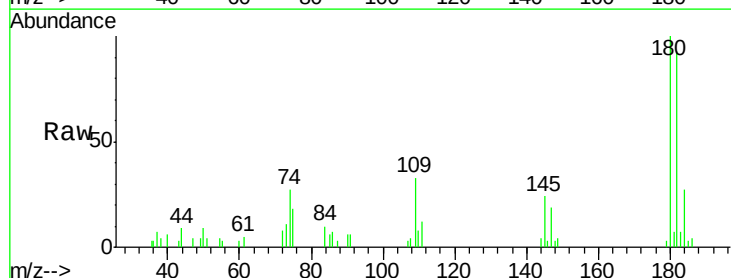
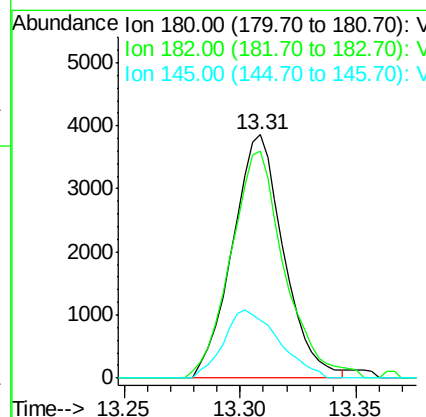
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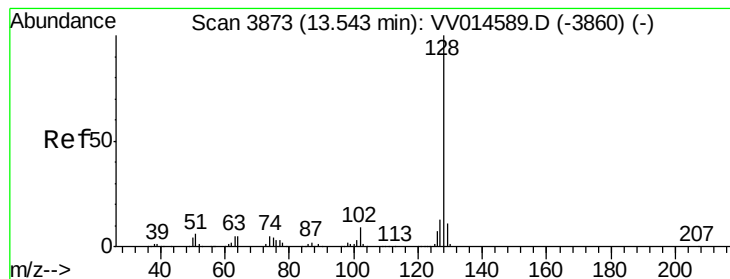
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#70
 1,2,4-trichlorobenzene
 Concen: 2.291 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.01 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.8	113.6
145	30.1	25.5	38.3





#71

Naphthalene

Concen: 2.176 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.01 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

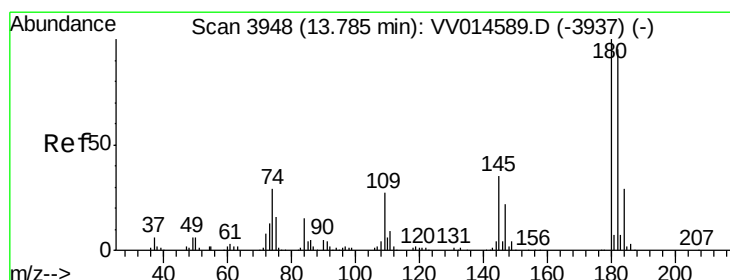
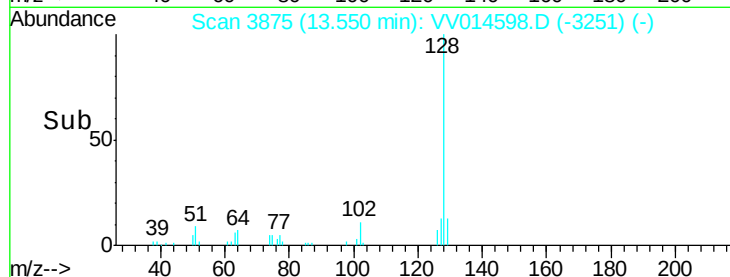
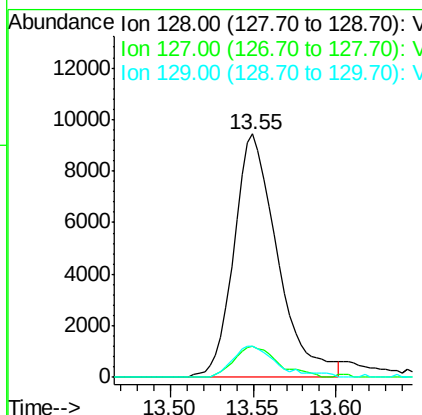
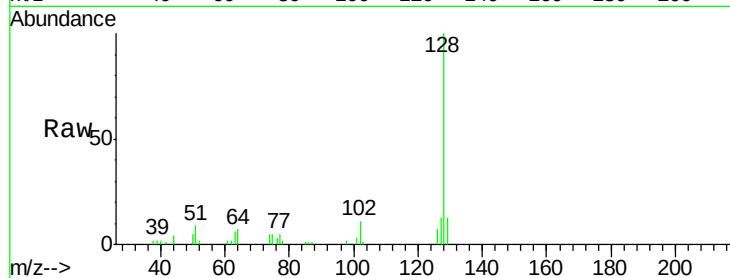
ClientSampleId :

MDL07

Tot Ion:	128	Resp:	17251
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.3	15.5
129	11.5	8.6	13.0

Manual Integrations
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#72

1,2,3-Trichlorobenzene

Concen: 2.322 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.01 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Tgt Ion:	180	Resp:	5869
Ion Ratio	Lower	Upper	
180	100		
182	97.0	76.0	114.0
145	36.4	27.7	41.5

