

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101119\
 Data File : VV013118.D
 Acq On : 11 Oct 2019 22:44
 Operator : SY/MD
 Sample : MDL06 2.5PPB
 Misc : 5.00ML/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06 2.5PPB

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 4:13:34 PM

Quant Time: Oct 12 04:08:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	704902	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	657618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	278208	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	235257	52.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.60%
7) Chloroethane-d5	1.58	69	201649	55.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.42%
11) 1,1-Dichloroethene-d2	2.13	63	336813	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.16%
21) 2-Butanone-d5	3.92	46	369909	110.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.41%
24) Chloroform-d	4.40	84	448960	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.68%
26) 1,2-Dichloroethane-d4	5.08	65	293567	55.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.04%
32) Benzene-d6	5.10	84	958083	54.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.22%
36) 1,2-Dichloropropane-d6	6.12	67	306528	55.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.52%
41) Toluene-d8	7.36	98	833378	53.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.16%
43) trans-1,3-Dichloropropene-	7.66	79	127569	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.46%
47) 2-Hexanone-d5	8.13	63	231194	105.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	371932	52.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.86%
64) 1,2-Dichlorobenzene-d4	11.67	152	317650	58.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12150	2.222 ug/L	95
3) Chloromethane	1.25	50	15811	2.541 ug/L	99
5) Vinyl chloride	1.33	62	13954	2.334 ug/L #	69
6) Bromomethane	1.53	94	9055	2.961 ug/L	94
8) Chloroethane	1.60	64	8522	2.397 ug/L	96
9) Trichlorofluoromethane	1.77	101	17018	2.219 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12855	2.845 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	12612	2.885 ug/L #	1
13) Acetone	2.19	43	11065	3.597 ug/L	93
14) Carbon disulfide	2.32	76	28930	2.282 ug/L	99
15) Methyl Acetate	2.46	43	12641	2.319 ug/L	95
16) Methylene chloride	2.54	84	12977	2.495 ug/L	98
17) trans-1,2-Dichloroethene	2.80	96	10584	2.232 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	30142	2.106 ug/L	98
19) 1,1-Dichloroethane	3.23	63	20096	2.246 ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	12285	2.289 ug/L	96
22) 2-Butanone	4.03	43	15542m	3.969 ug/L	

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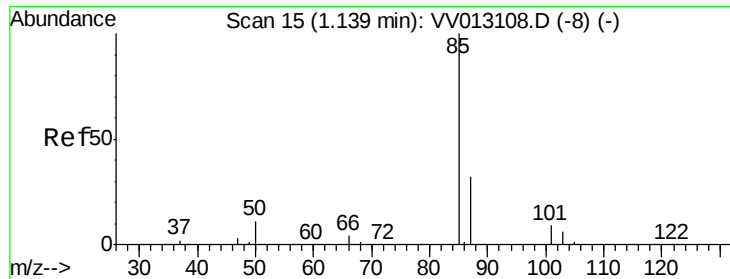
Manual Integrations
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Quant Time: Oct 12 04:08:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	6543	2.400	ug/L	90
25) Chloroform	4.42	83	26377	2.926	ug/L	99
27) 1,2-Dichloroethane	5.18	62	15579	2.255	ug/L	96
29) Cyclohexane	4.73	56	16235	2.061	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	16764	2.297	ug/L	99
31) Carbon tetrachloride	4.88	117	14864	2.292	ug/L	89
33) Benzene	5.15	78	44205	2.207	ug/L	100
34) Trichloroethene	5.96	95	12812	2.402	ug/L	96
35) Methylcyclohexane	6.18	83	16846	2.088	ug/L	97
37) 1,2-Dichloropropane	6.22	63	12387	2.388	ug/L #	95
38) Bromodichloromethane	6.56	83	14552	2.205	ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	16577	2.161	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	25755	3.793	ug/L	97
42) Toluene	7.43	91	46825	2.271	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	14927	2.245	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	10673	2.167	ug/L	97
46) Tetrachloroethene	8.02	164	9062	2.146	ug/L	94
48) 2-Hexanone	8.18	43	32238	6.140	ug/L	92
49) Dibromochloromethane	8.29	129	11367	2.118	ug/L	98
50) 1,2-Dibromoethane	8.40	107	11584	2.251	ug/L	95
51) Chlorobenzene	8.92	112	30043	2.222	ug/L	98
52) Ethylbenzene	9.05	91	43372	1.969	ug/L	98
53) m,p-Xylene	9.18	106	15938	1.923	ug/L	94
54) o-xylene	9.59	106	15272	1.840	ug/L	93
55) Styrene	9.60	104	23702	1.738	ug/L	99
56) Isopropylbenzene	9.97	105	37116	1.741	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	17549	2.451	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	13723	2.173	ug/L	97
61) Bromoform	9.77	173	8232	2.351	ug/L #	89
62) 1,3-Dichlorobenzene	11.22	146	19806	2.201	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	22082	2.444	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	21816	2.382	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	3281	2.463	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	13782	2.148	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	11708	2.127	ug/L	96
69) Naphthalene	13.55	128	23290	1.536	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	11789	2.003	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.222 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion: 85 Resp: 12150

Ion Ratio Lower Upper

85 100

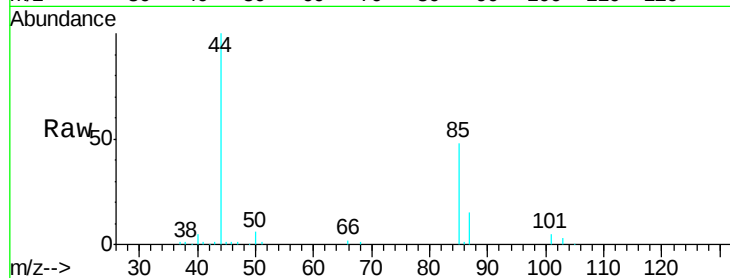
87 29.1 25.6 38.4

Manual Integrations

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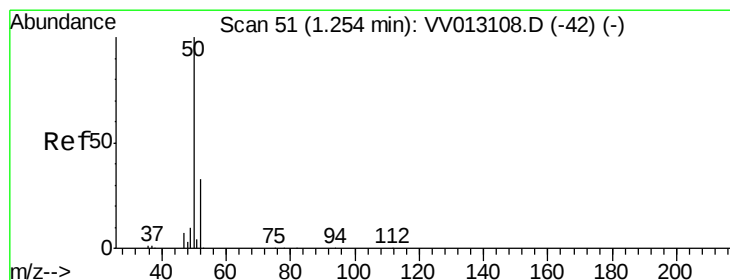
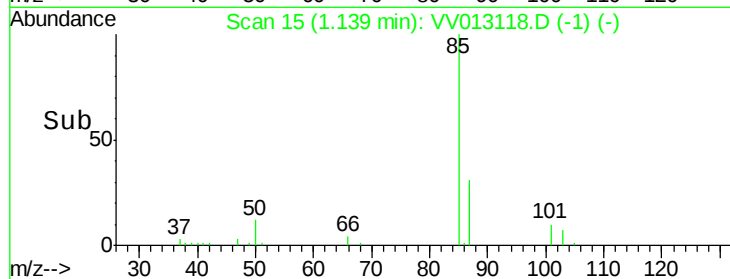
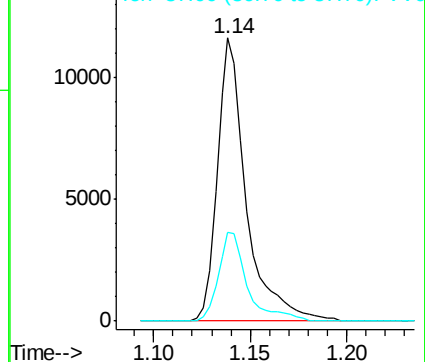
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.541 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013118.D

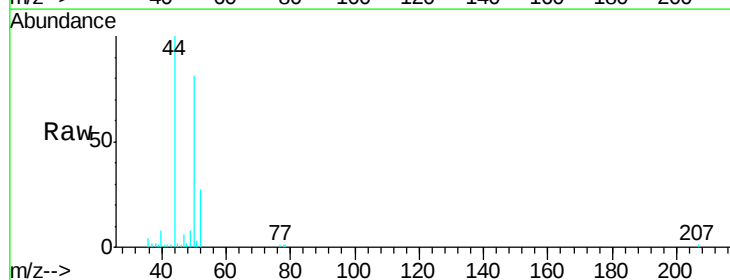
Acq: 11 Oct 2019 22:44

Tgt Ion: 50 Resp: 15811

Ion Ratio Lower Upper

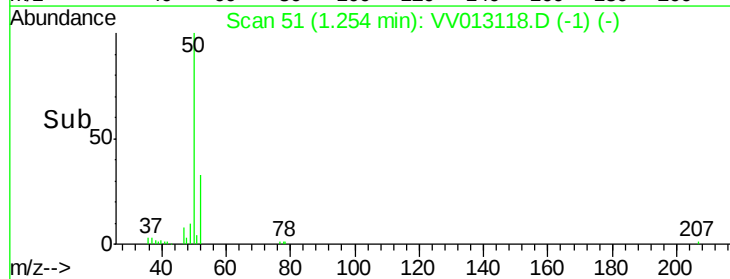
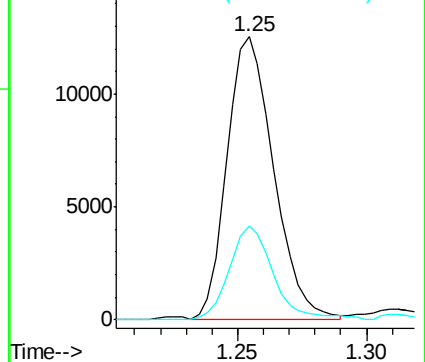
50 100

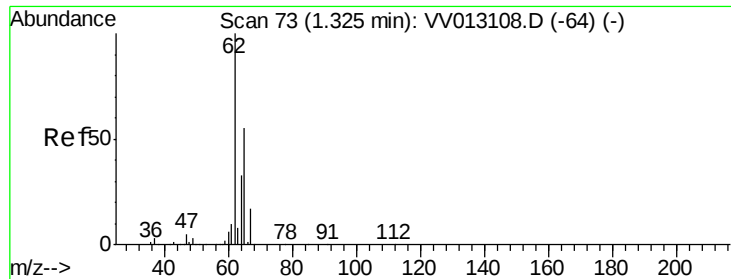
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.334 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion: 62 Resp: 13954

Ion Ratio Lower Upper

62 100

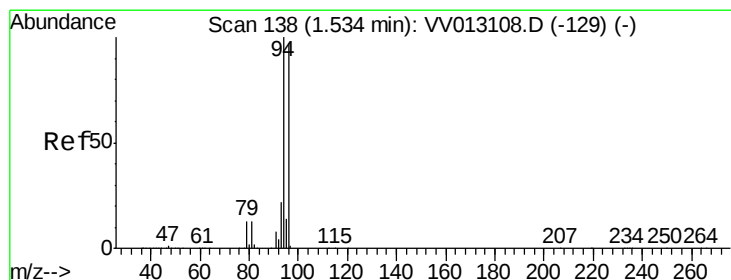
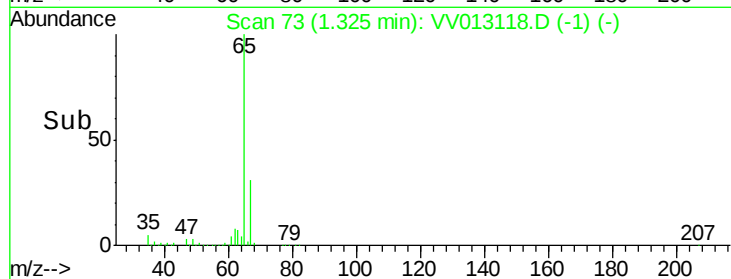
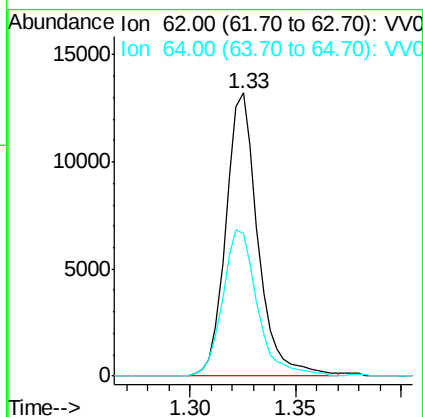
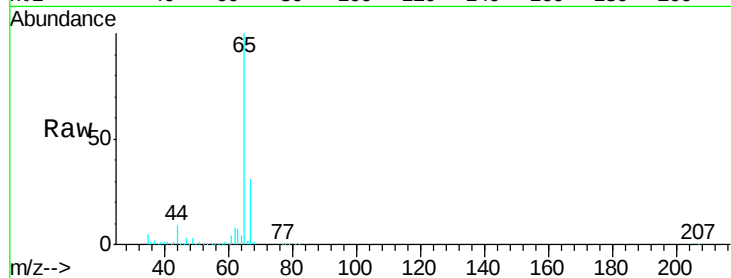
64 50.2 22.9 42.5#

Manual Integrations

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#6

Bromomethane

Concen: 2.961 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013118.D

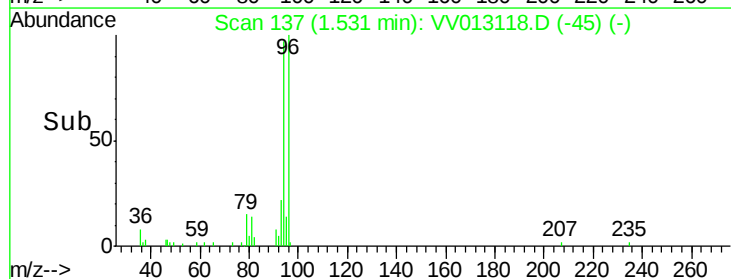
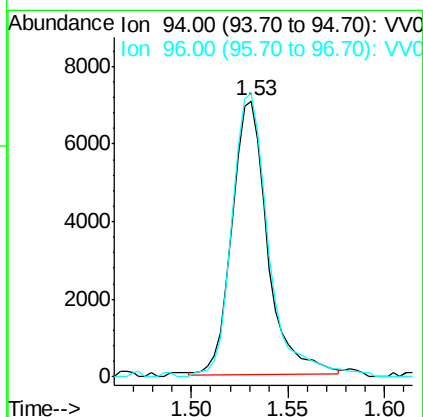
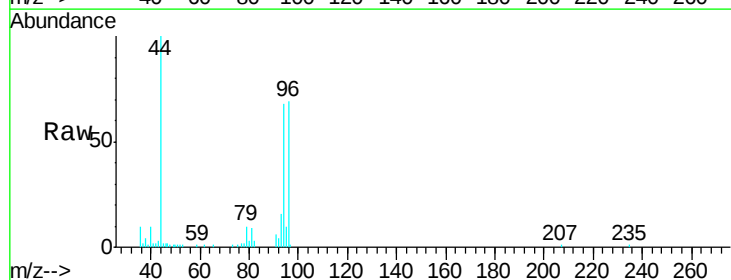
Acq: 11 Oct 2019 22:44

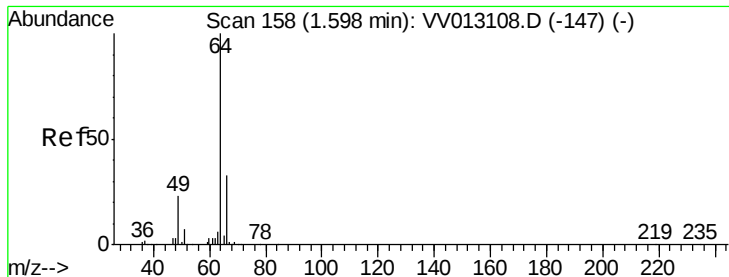
Tgt Ion: 94 Resp: 9055

Ion Ratio Lower Upper

94 100

96 102.6 68.0 126.2





#8

Chloroethane

Concen: 2.397 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion: 64 Resp: 8522

Ion Ratio Lower Upper

64 100

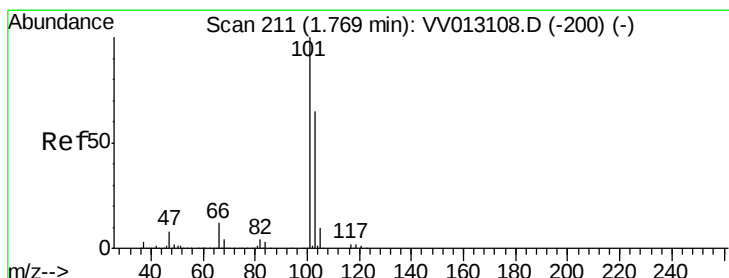
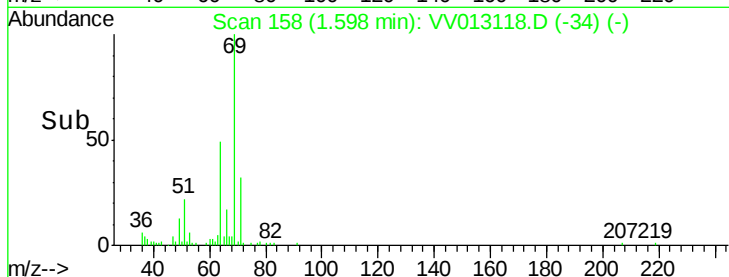
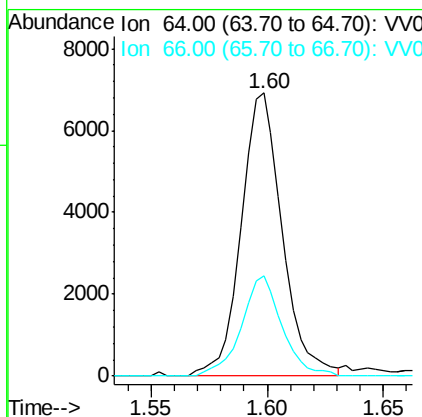
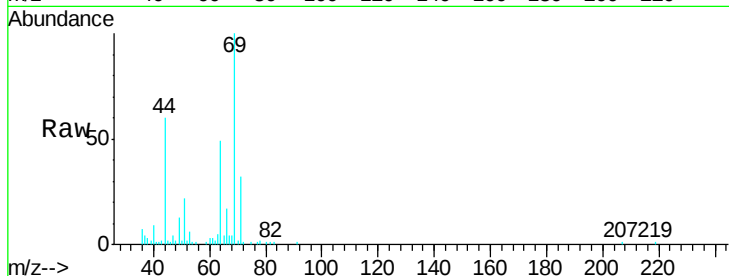
66 35.3 23.0 42.8

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.219 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013118.D

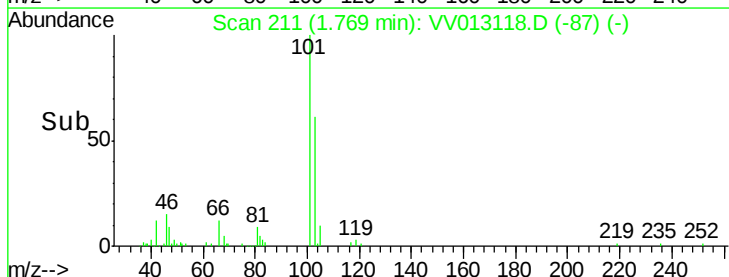
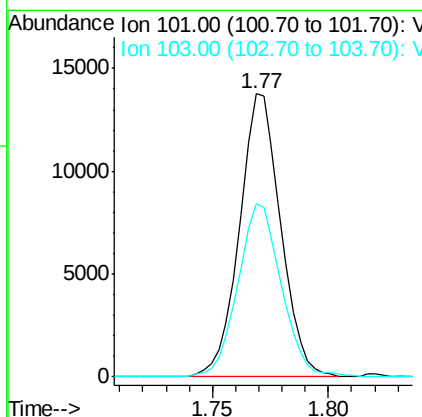
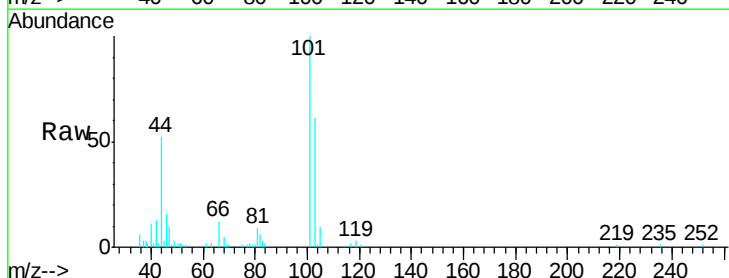
Acq: 11 Oct 2019 22:44

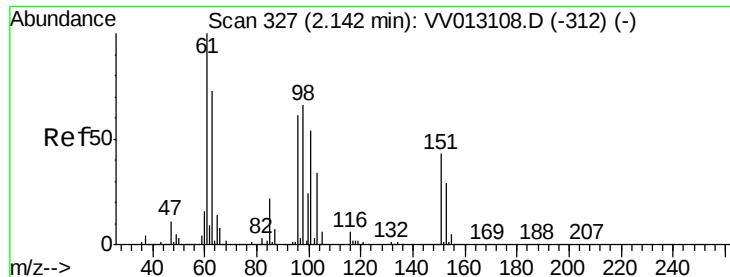
Tgt Ion: 101 Resp: 17018

Ion Ratio Lower Upper

101 100

103 64.4 51.3 76.9





#10

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

Concen: 2.845 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

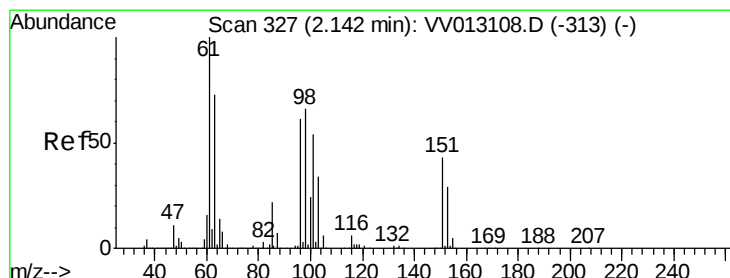
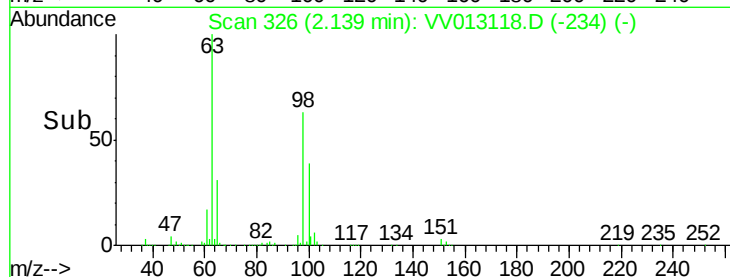
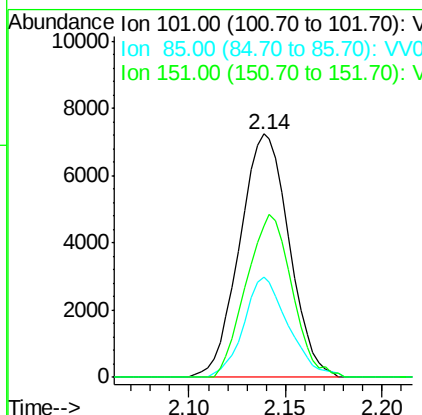
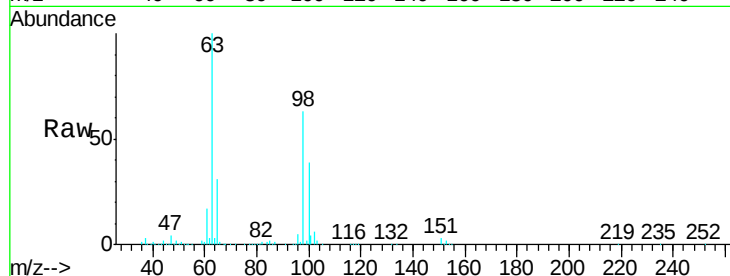
ClientSampleId :

MDL06 2.5PPB

Tgt Ion:	101	Resp:	12855
Ion Ratio	Lower	Upper	
101	100		
85	37.2	32.9	49.3
151	61.9	64.9	97.3#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.885 ug/L

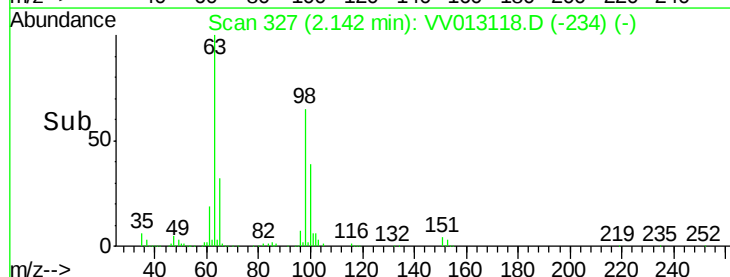
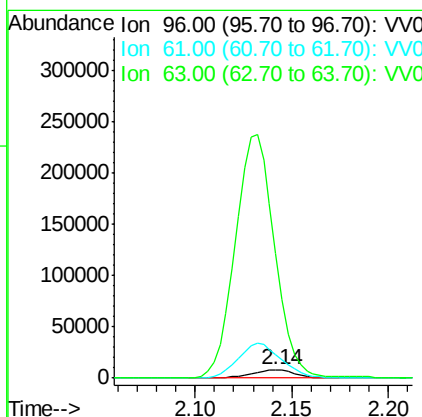
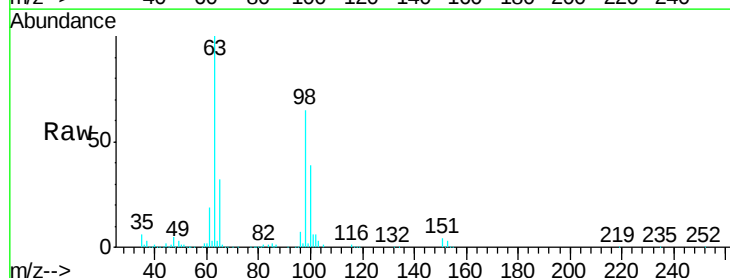
RT: 2.14 min Scan# 327

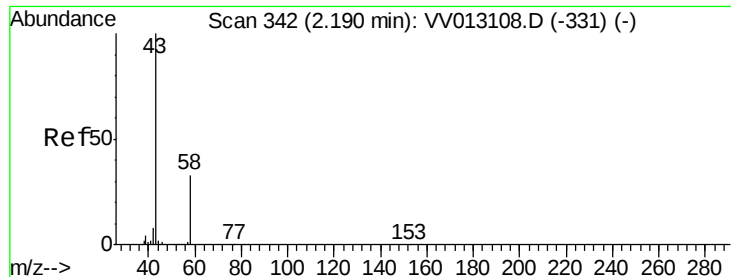
Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Tgt Ion:	96	Resp:	12612
Ion Ratio	Lower	Upper	
96	100		
61	281.2	115.7	214.9#
63	1471.6	84.3	156.5#





#13

Acetone

Concen: 3.597 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion: 43 Resp: 11065

Ion Ratio Lower Upper

43 100

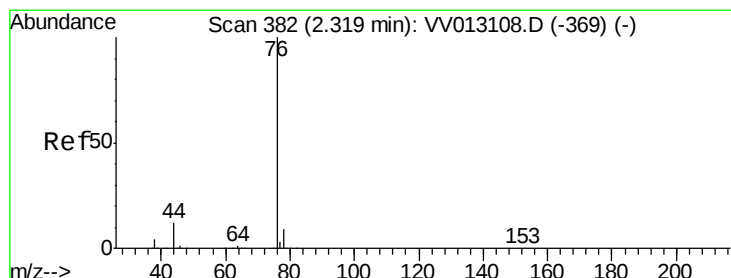
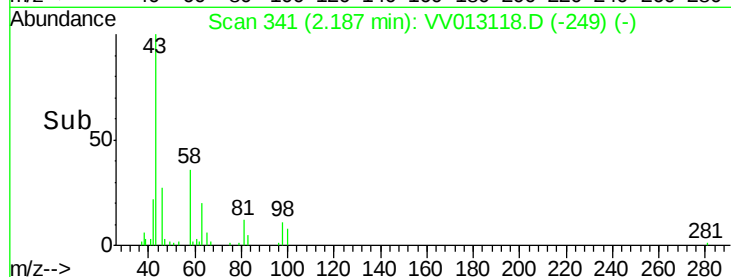
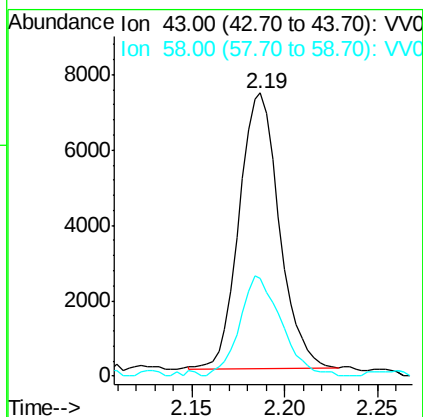
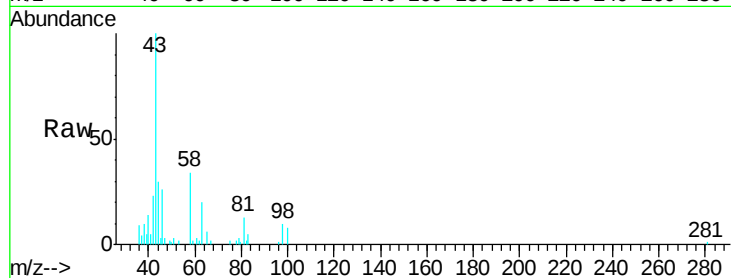
58 37.1 0.0 66.2

Manual Integrations

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#14

Carbon disulfide

Concen: 2.282 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV013118.D

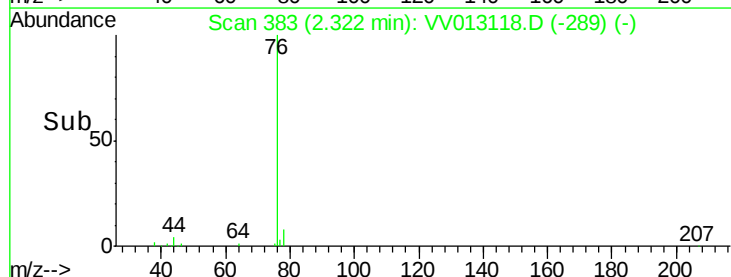
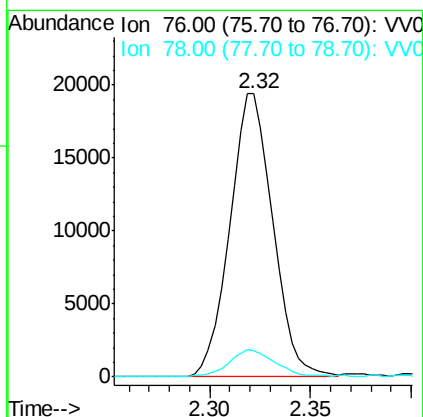
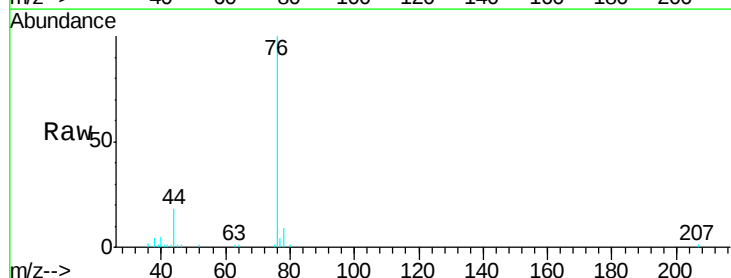
Acq: 11 Oct 2019 22:44

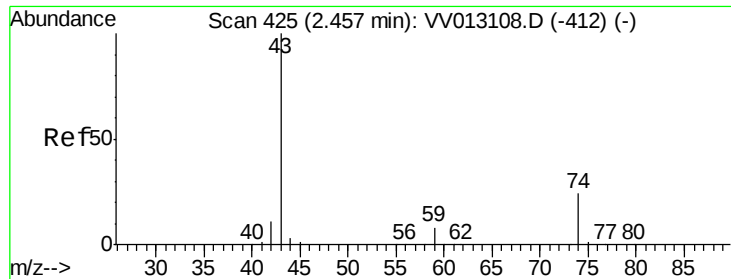
Tgt Ion: 76 Resp: 28930

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





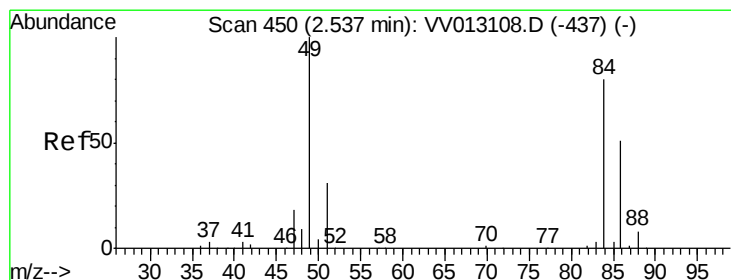
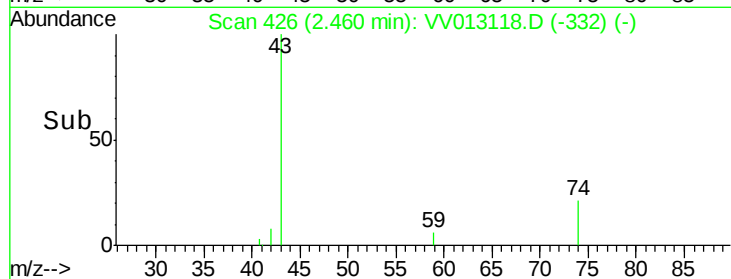
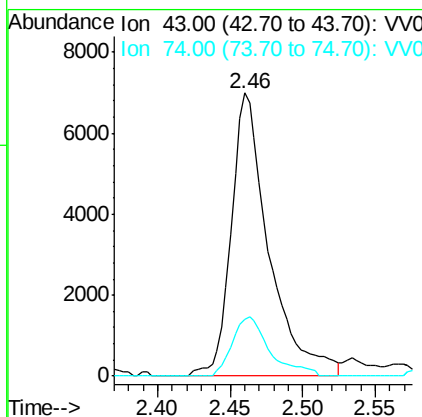
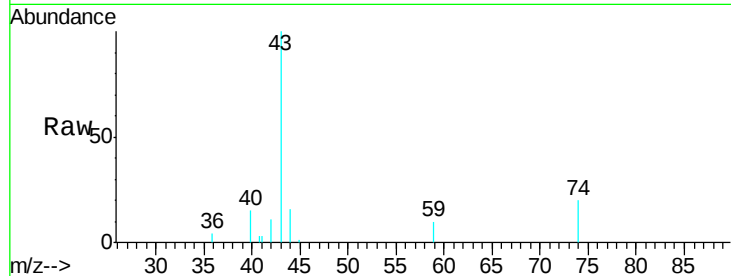
#15
Methyl Acetate
Concen: 2.319 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :
MDL06 2.5PPB

Tgt Ion: 43 Resp: 12641
Ion Ratio Lower Upper
43 100
74 20.7 18.4 27.6

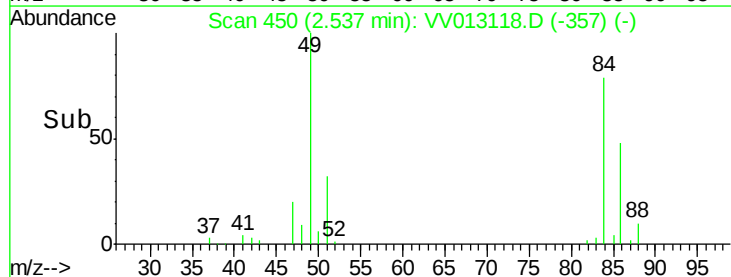
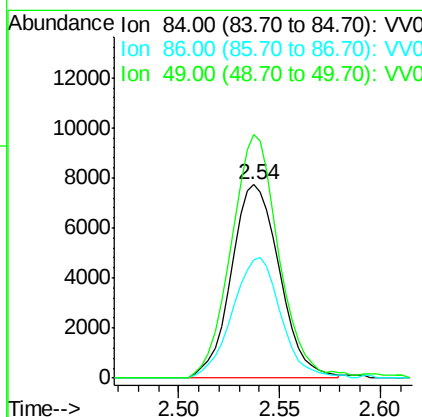
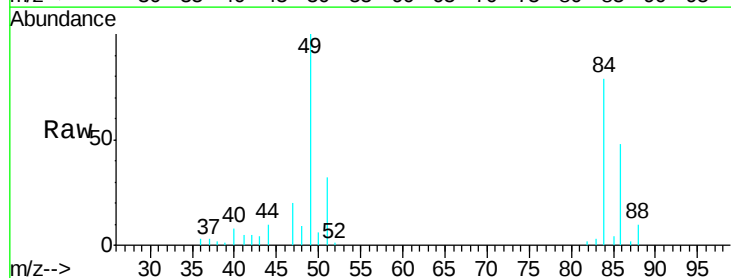
Manual Integrations
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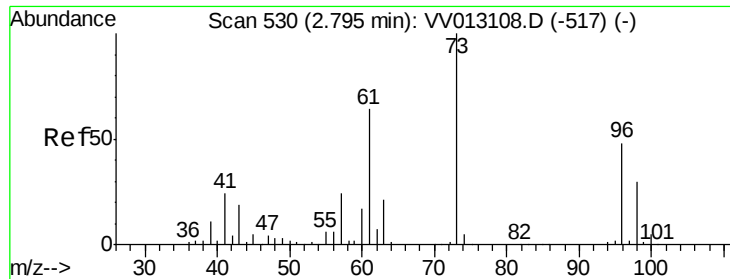
MMDadoda
10/14/2019 4:13:34 PM



#16
Methylene chloride
Concen: 2.495 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion: 84 Resp: 12977
Ion Ratio Lower Upper
84 100
86 60.9 45.1 83.9
49 125.8 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 2.232 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

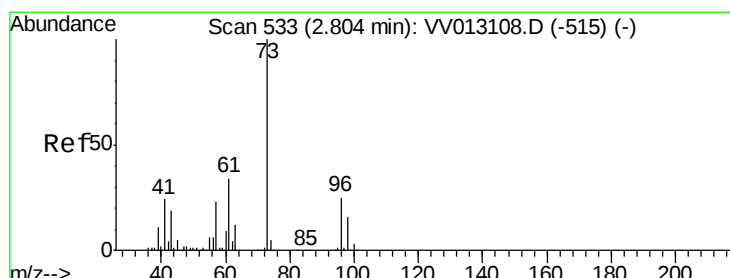
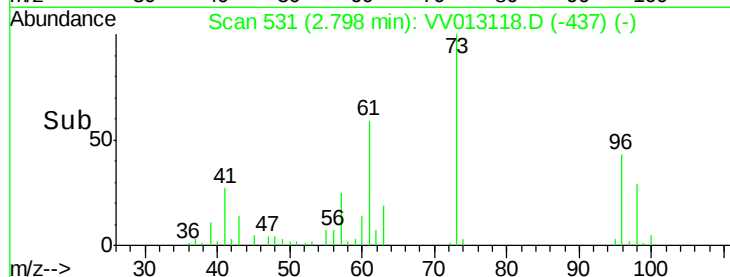
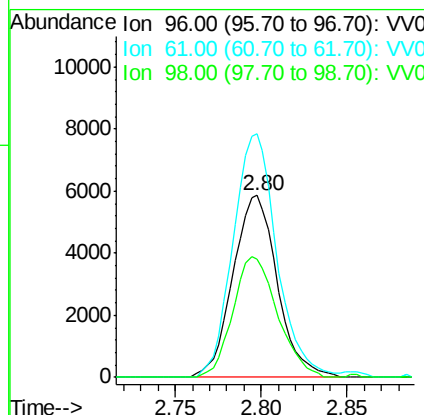
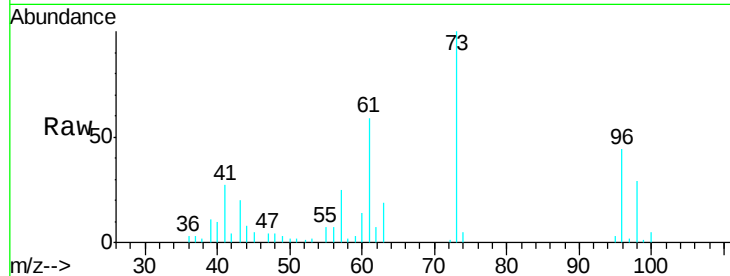
ClientSampleId :

MDL06 2.5PPB

Tgt Ion:	96	Resp:	10584
Ion	Ratio	Lower	Upper
96	100		
61	133.8	93.9	174.5
98	64.8	43.9	81.5

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#18

Methyl tert-butyl Ether

Concen: 2.106 ug/L

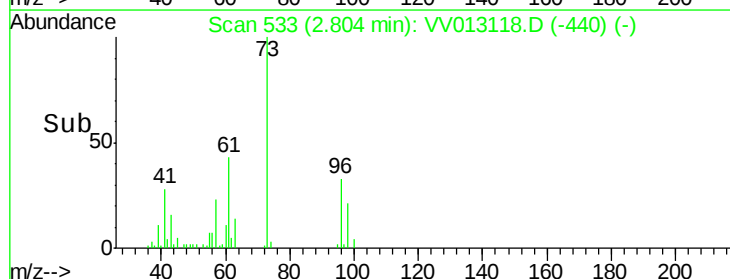
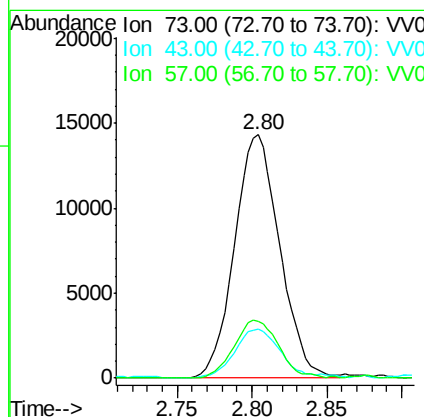
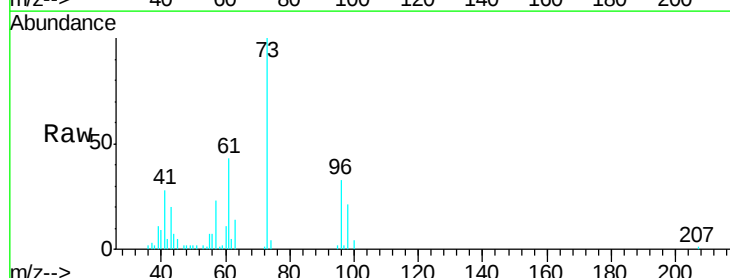
RT: 2.80 min Scan# 533

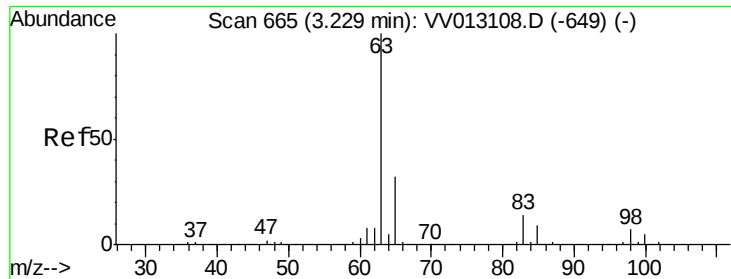
Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Tgt Ion:	73	Resp:	30142
Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.0	22.6
57	23.4	18.2	27.2





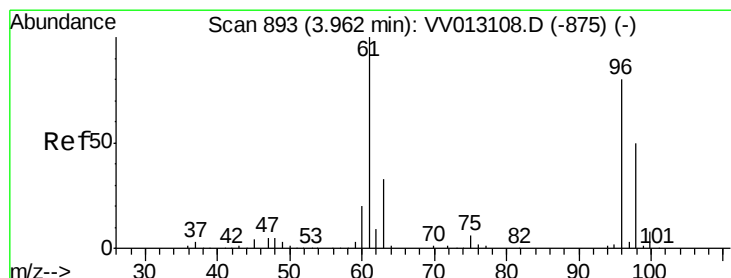
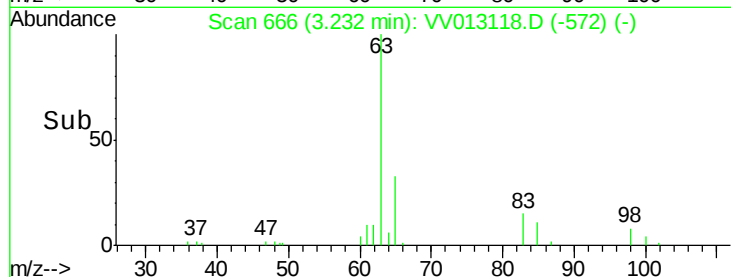
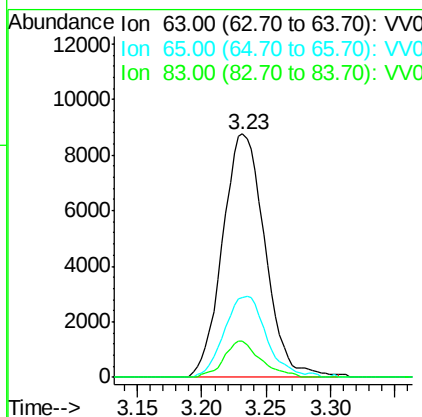
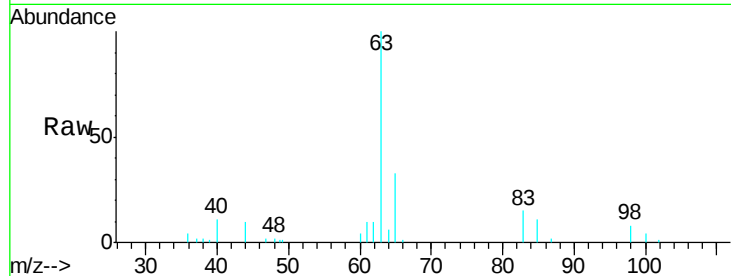
#19
 1,1-Dichloroethane
 Concen: 2.246 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06 2.5PPB

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.1	41.1
83	14.7	9.5	17.7

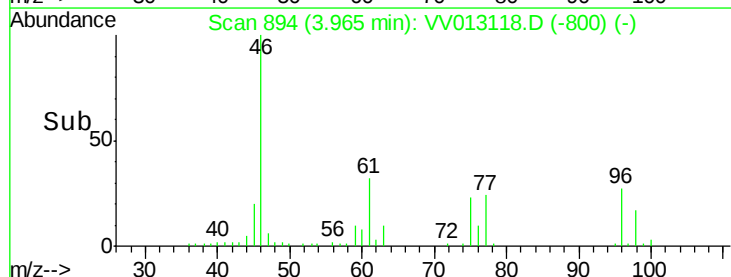
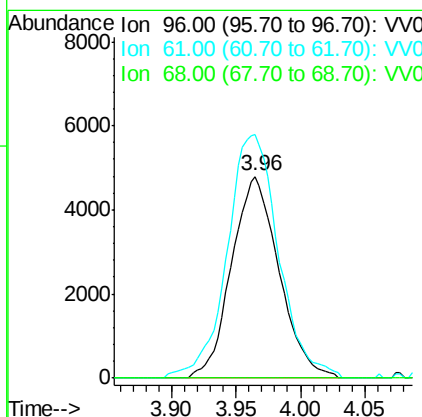
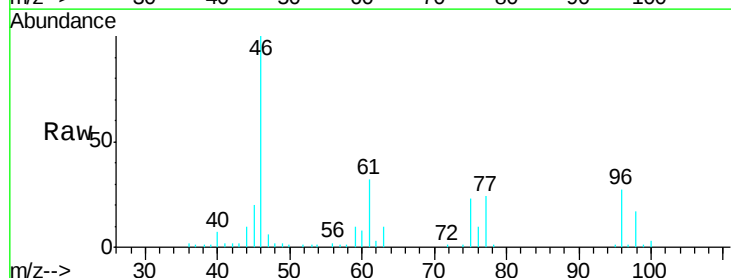
Manual Integrations
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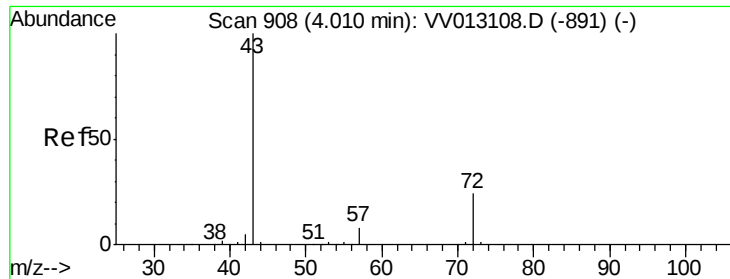
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.289 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.5	87.5	162.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.969 ug/L m

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion: 43 Resp: 15542

Ion Ratio Lower Upper

43 100

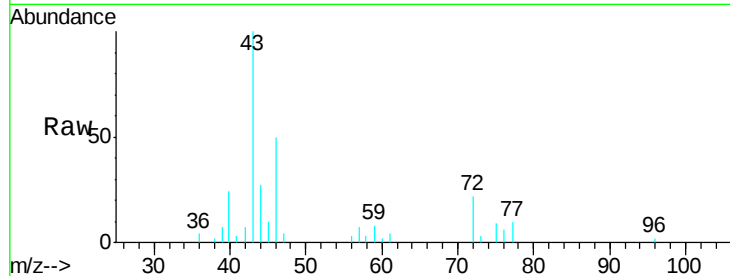
72 0.3 12.8 38.4#

Manual Integrations

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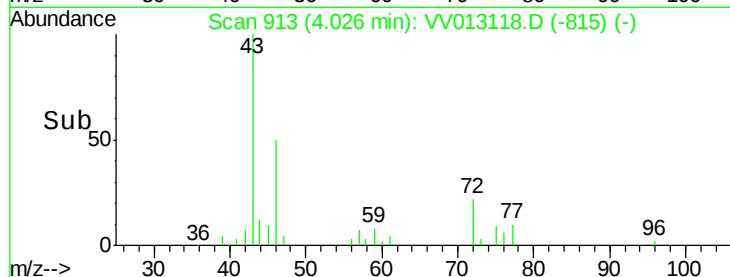
10/14/2019 4:13:34 PM



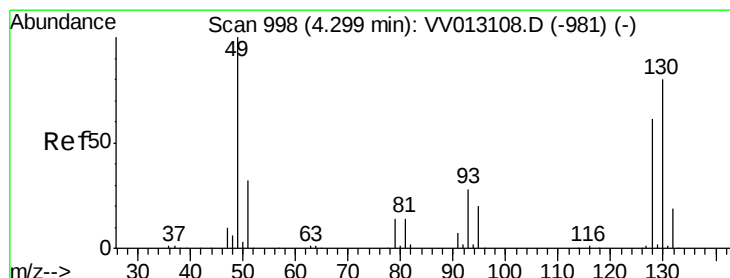
Abundance Ion 43.00 (42.70 to 43.70): VV013118.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV013118.D (-891) (-)

Time-->



Time-->



#23

Bromochloromethane

Concen: 2.400 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Tgt Ion: 128 Resp: 6543

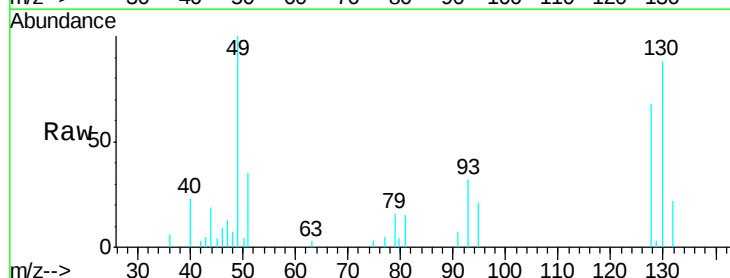
Ion Ratio Lower Upper

128 100

49 140.4 114.0 211.6

130 123.7 90.8 168.6

51 49.4 41.0 61.4



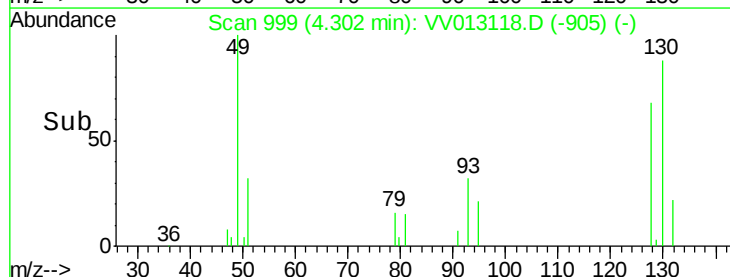
Abundance Ion 128.00 (127.70 to 128.70): VV013118.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VV013118.D (-981) (-)

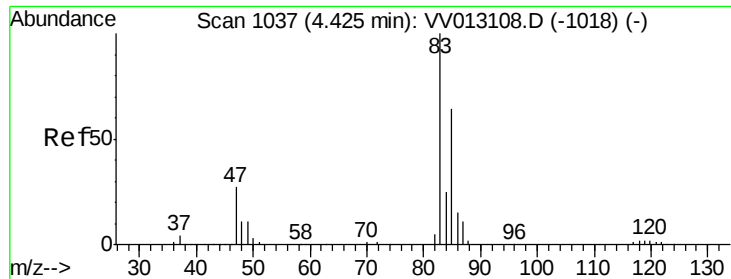
Ion 130.00 (129.70 to 130.70): VV013118.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VV013118.D (-981) (-)

Time-->



Time-->



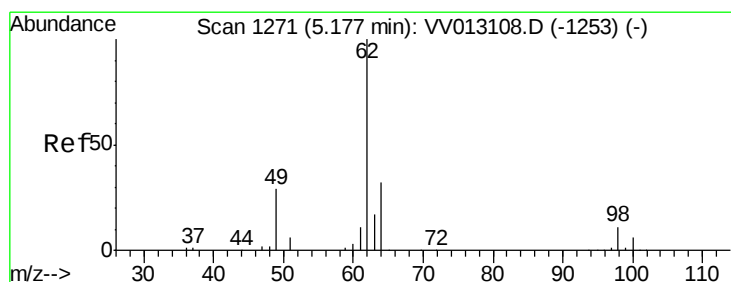
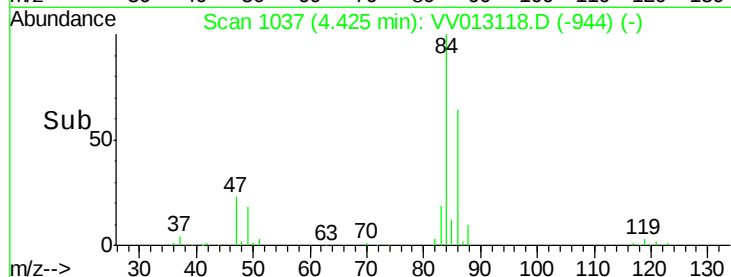
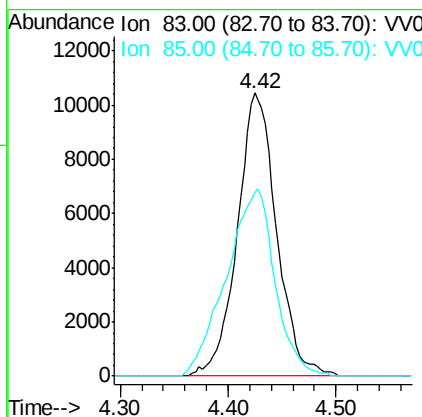
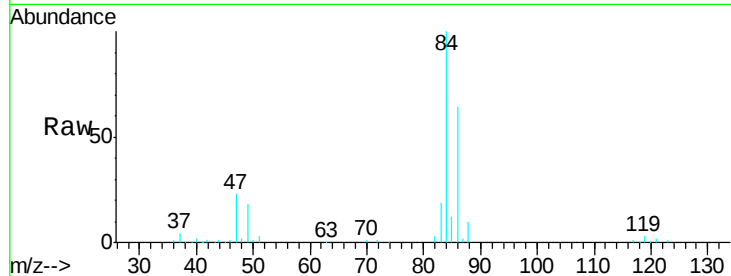
#25
Chloroform
Concen: 2.926 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :
MDL06 2.5PPB

Tgt Ion: 83 Resp: 26377
Ion Ratio Lower Upper
83 100
85 64.7 44.7 82.9

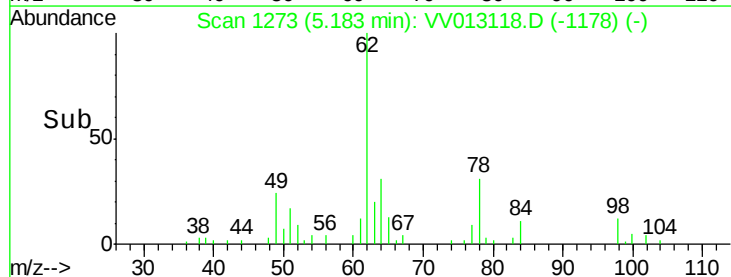
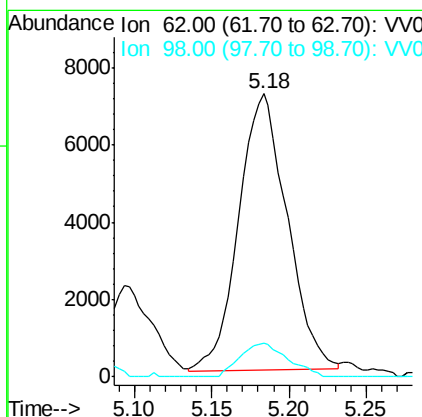
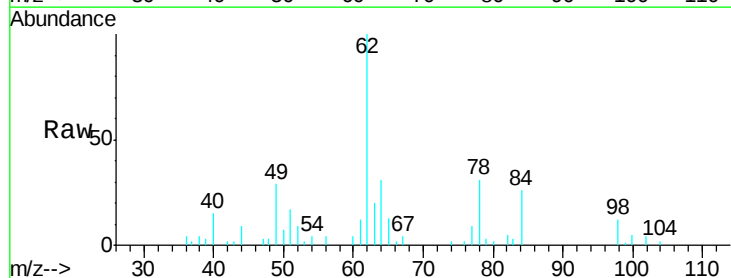
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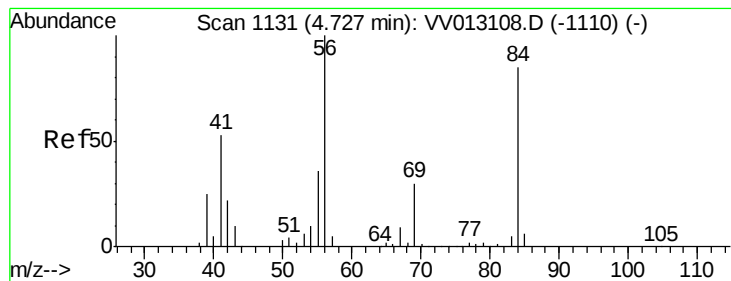
MMDadoda
10/14/2019 4:13:34 PM



#27
1,2-Dichloroethane
Concen: 2.255 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion: 62 Resp: 15579
Ion Ratio Lower Upper
62 100
98 11.8 8.3 12.5





#29

Cyclohexane

Concen: 2.061 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion: 56 Resp: 16235

Ion Ratio Lower Upper

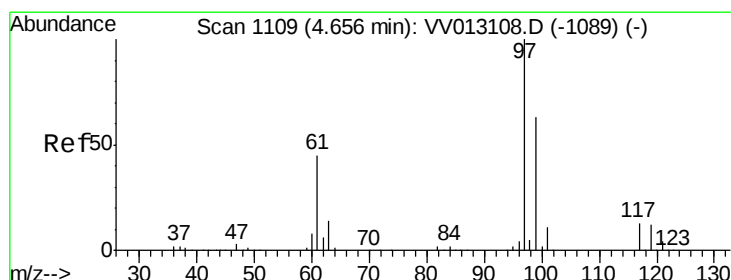
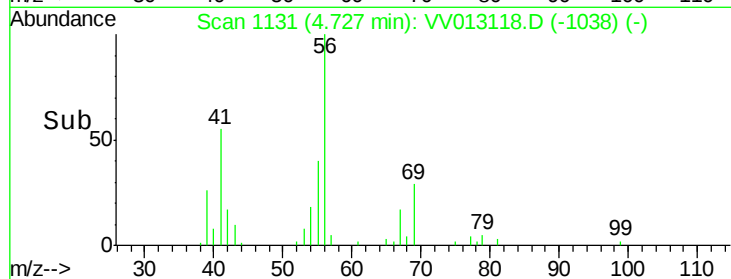
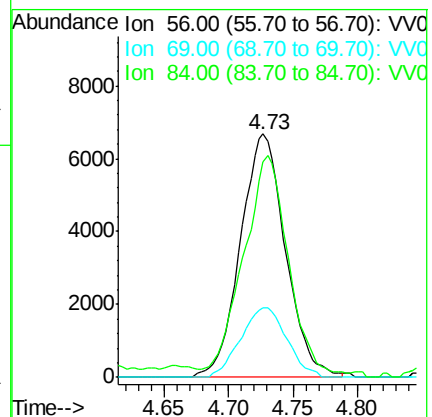
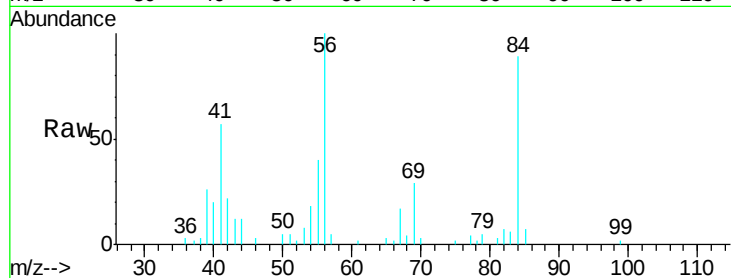
56 100

69 29.1 24.2 36.4

84 86.5 69.9 104.9

Manual Integrations
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#30

1,1,1-Trichloroethane

Concen: 2.297 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

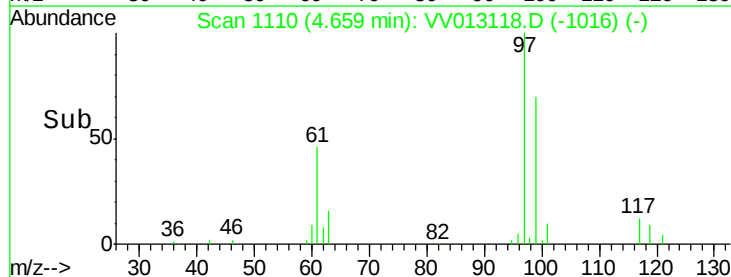
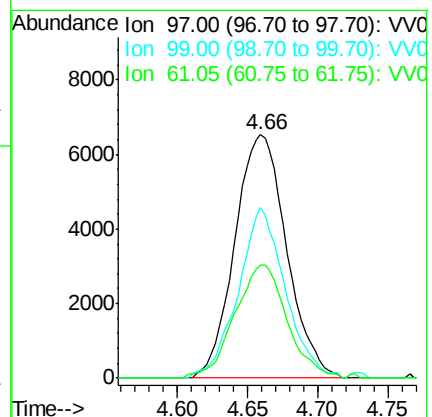
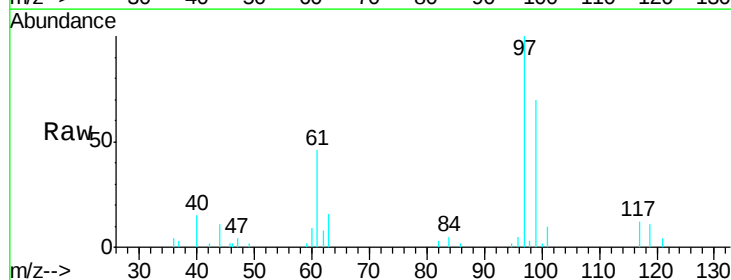
Tgt Ion: 97 Resp: 16764

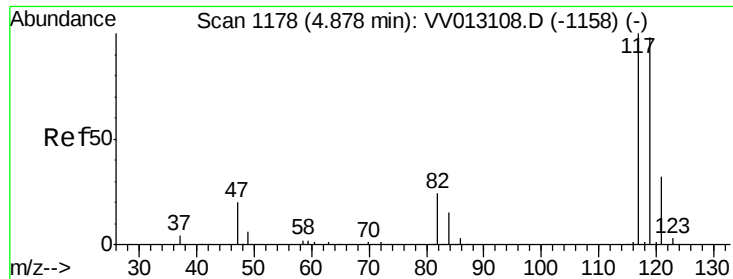
Ion Ratio Lower Upper

97 100

99 63.4 51.9 77.9

61 46.6 36.8 55.2





#31

Carbon tetrachloride

Concen: 2.292 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion:117 Resp: 14864

Ion Ratio Lower Upper

117 100

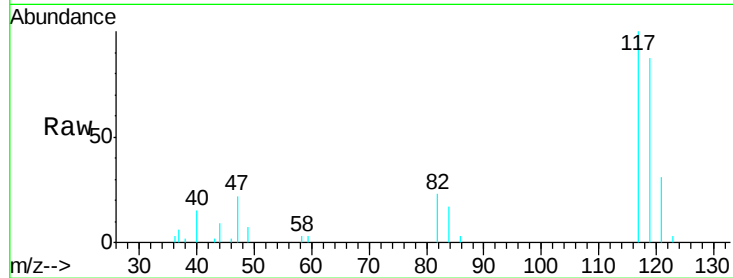
119 86.2 77.4 116.0

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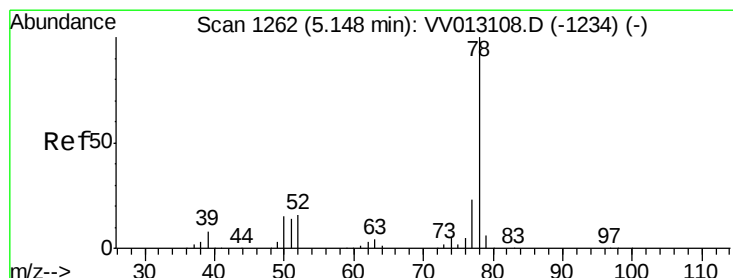
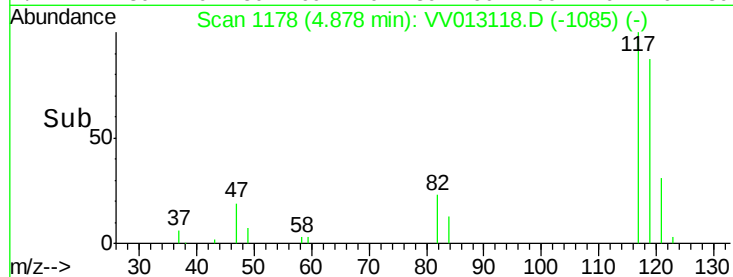
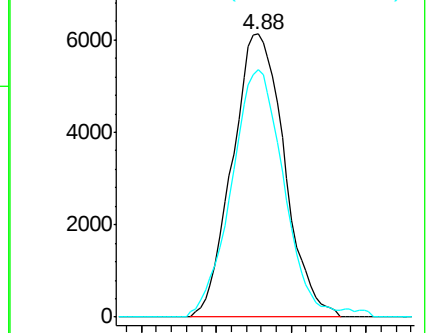
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.207 ug/L

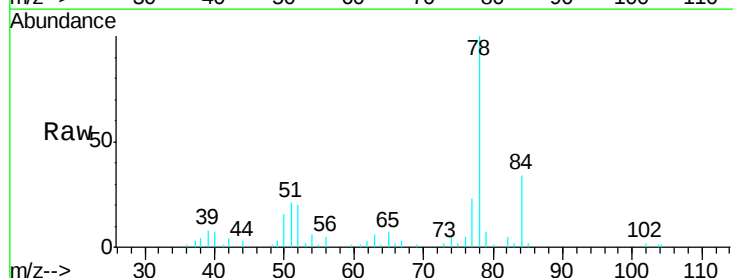
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

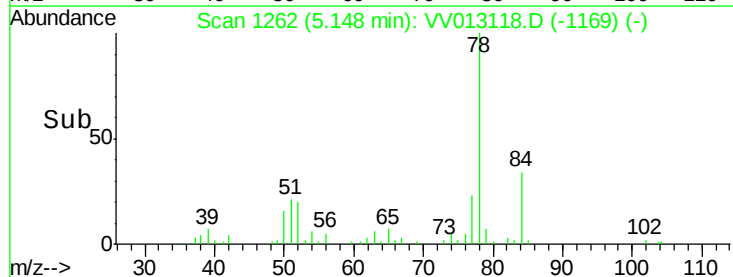
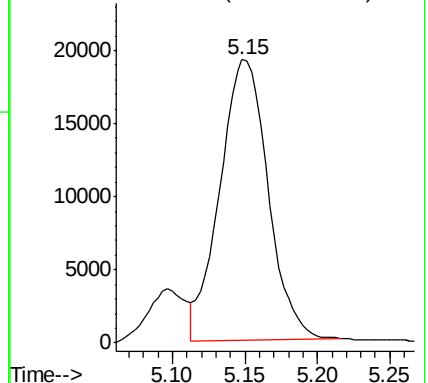
Lab File: VV013118.D

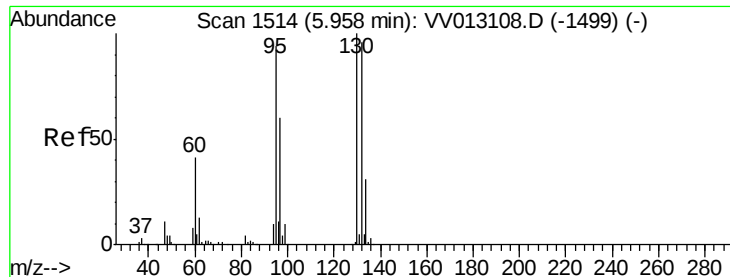
Acq: 11 Oct 2019 22:44

Tgt Ion: 78 Resp: 44205



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 2.402 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

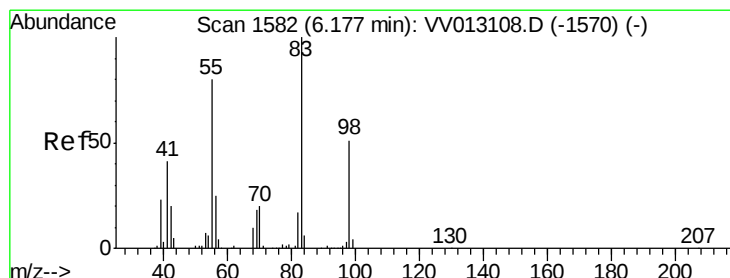
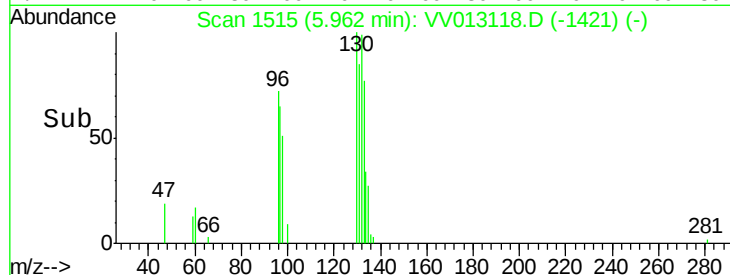
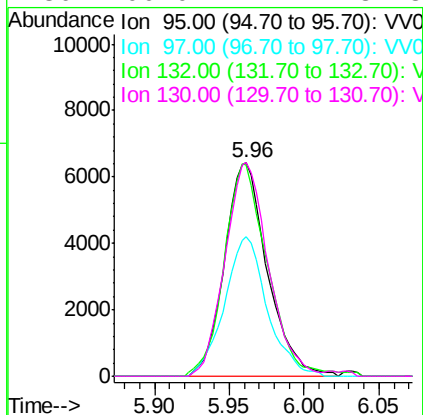
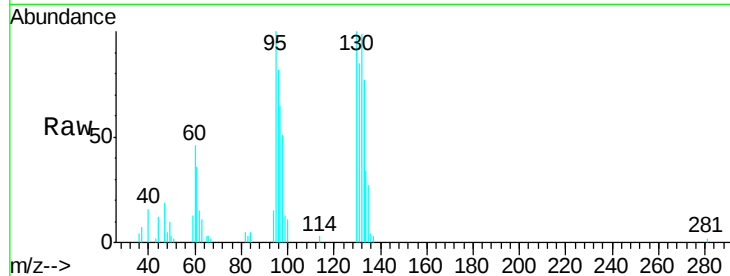
ClientSampleId :

MDL06 2.5PPB

Tgt Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.7	82.9
132	98.9	71.4	132.6
130	100.0	74.2	137.8

Manual Integrations
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#35

Methylcyclohexane

Concen: 2.088 ug/L

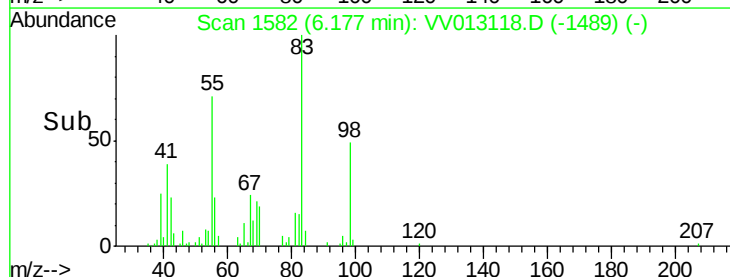
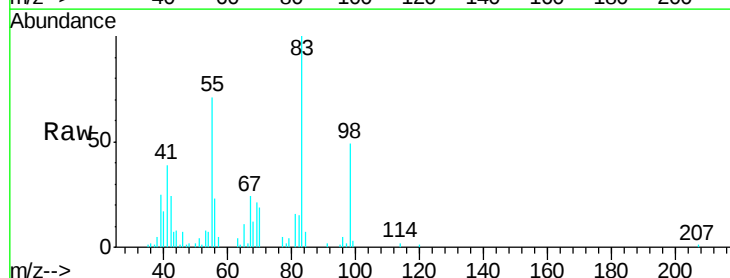
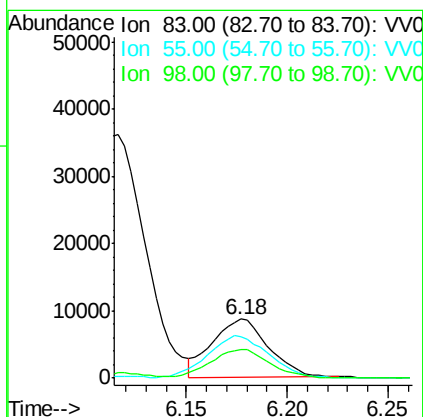
RT: 6.18 min Scan# 1582

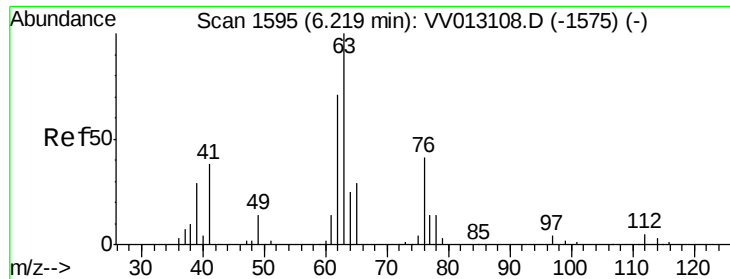
Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.2	91.8
98	51.6	40.1	60.1





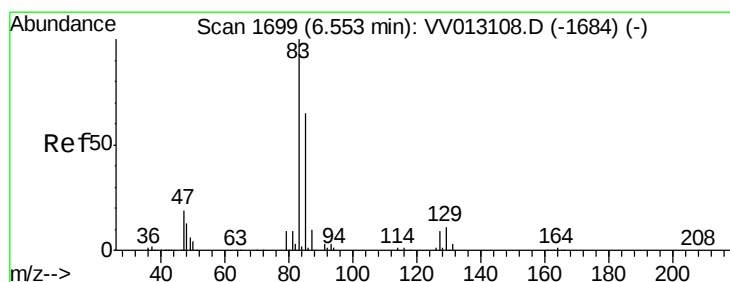
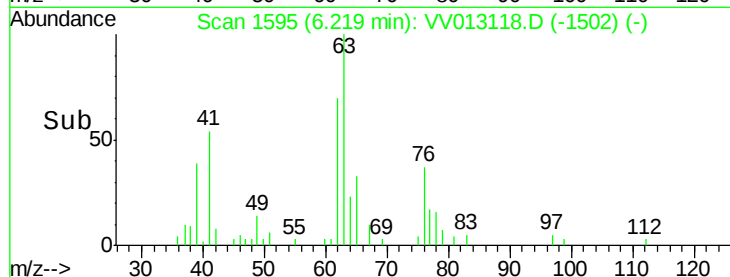
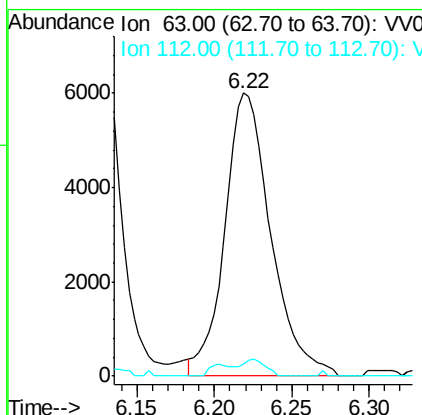
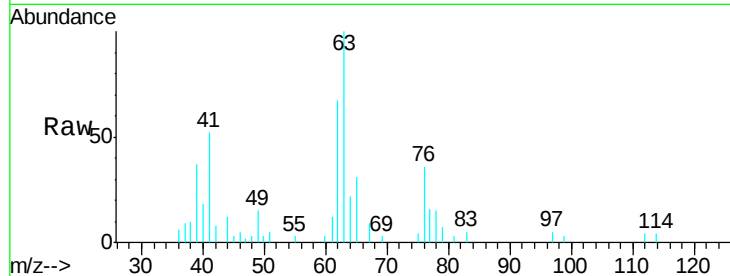
#37
 1,2-Dichloropropane
 Concen: 2.388 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06 2.5PPB

Tgt Ion: 63 Resp: 12387
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.8 5.8#

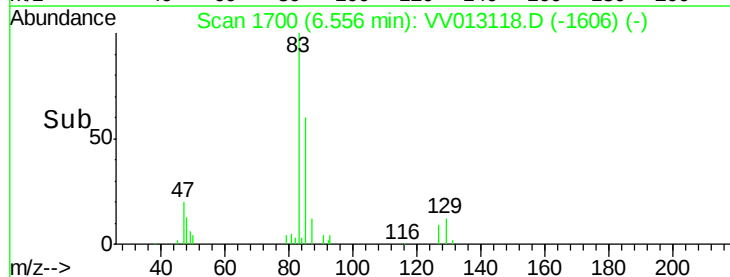
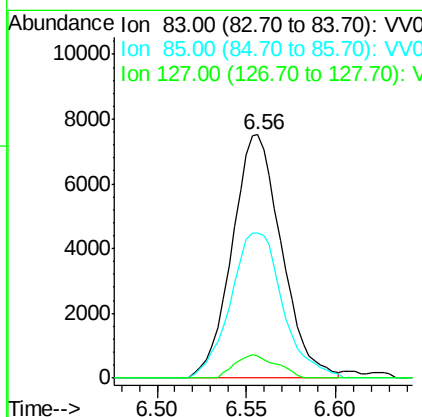
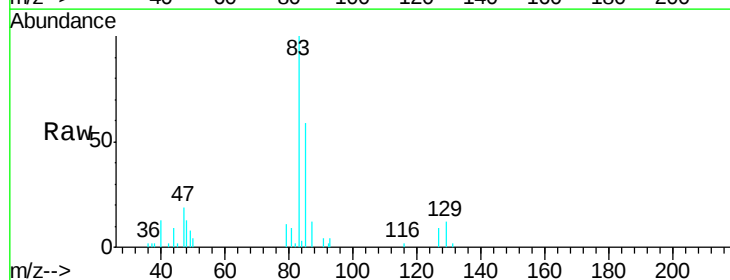
Manual Integrations
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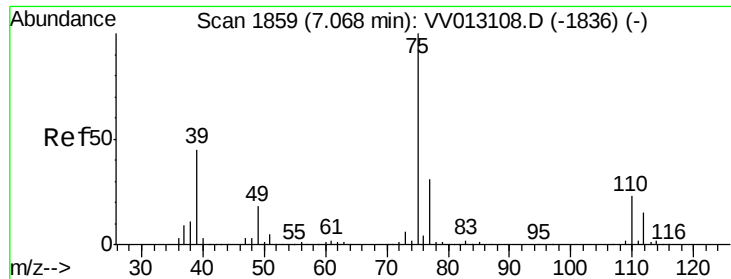
MMDadoda
 10/14/2019 4:13:34 PM



#38
 Bromodichloromethane
 Concen: 2.205 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion: 83 Resp: 14552
 Ion Ratio Lower Upper
 83 100
 85 59.3 45.8 85.0
 127 9.2 7.4 11.0





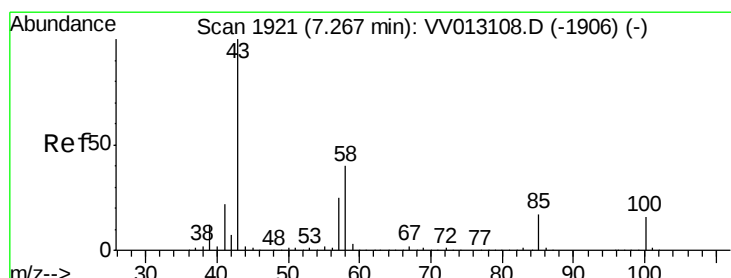
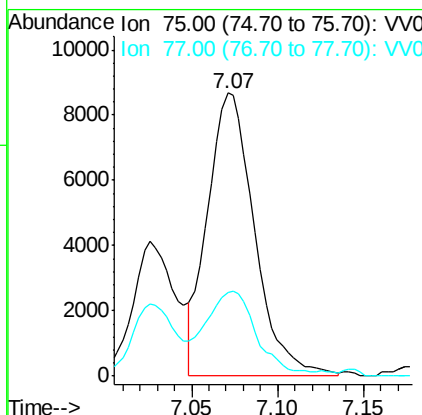
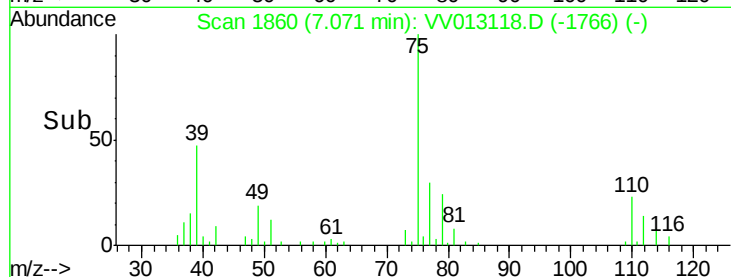
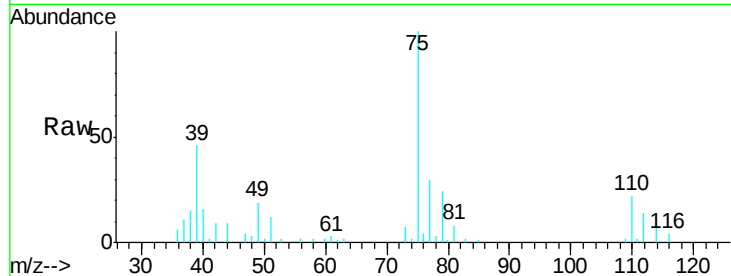
#39
 cis-1,3-Dichloropropene
 Concen: 2.161 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06 2.5PPB

Tgt Ion: 75 Resp: 16577
 Ion Ratio Lower Upper
 75 100
 77 29.8 21.7 40.3

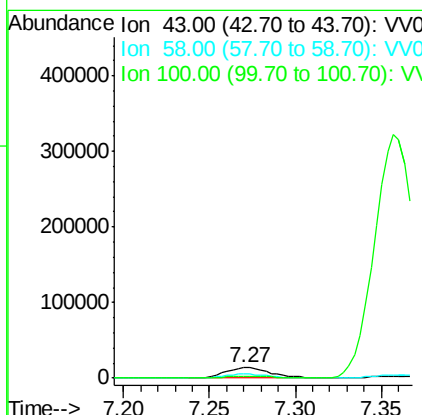
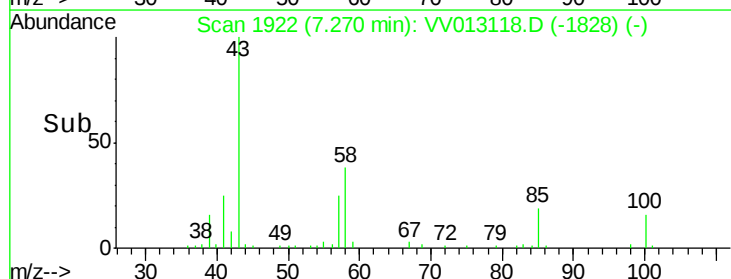
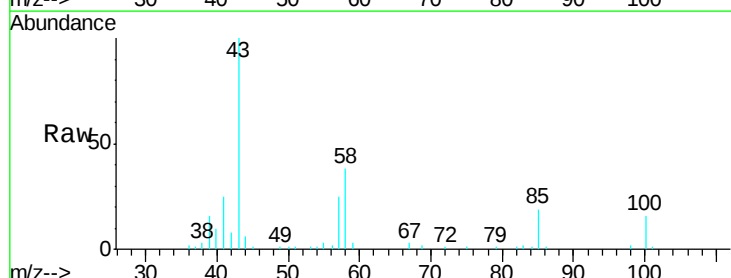
Manual Integrations
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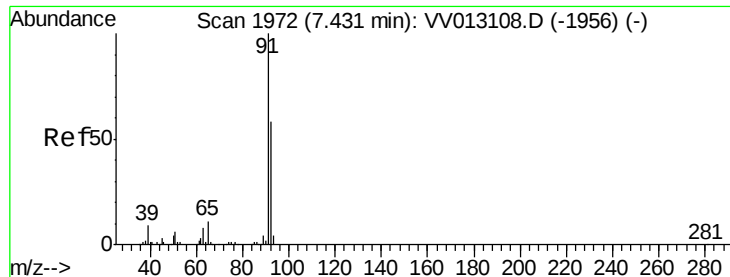
MMDadoda
 10/14/2019 4:13:34 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.793 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion: 43 Resp: 25755
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.0 48.0
 100 17.4 12.7 19.1





#42

Toluene

Concen: 2.271 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion: 91 Resp: 46825

Ion Ratio Lower Upper

91 100

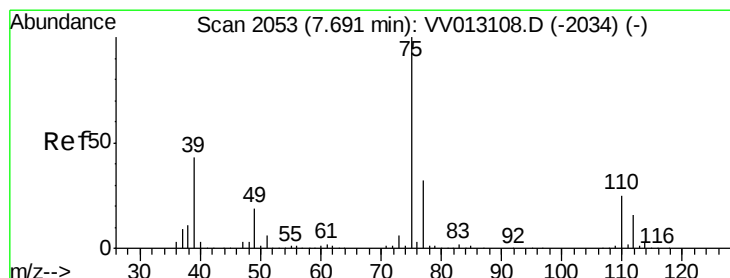
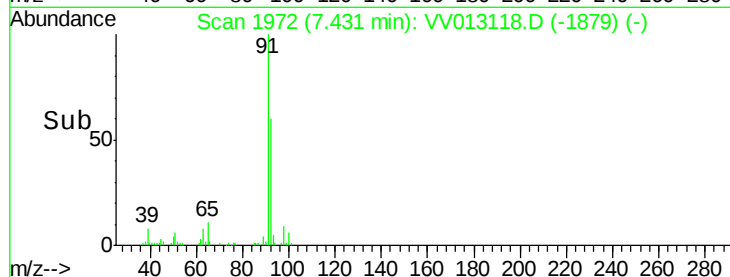
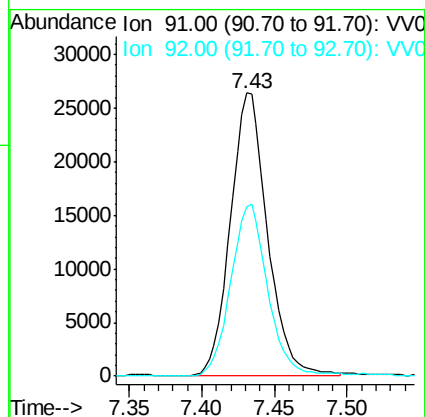
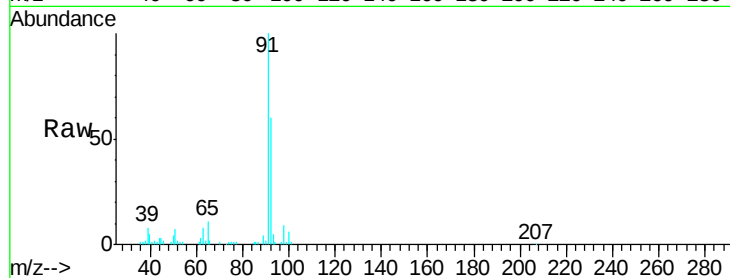
92 60.0 40.8 75.8

Manual Integrations

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MMDadoda

10/14/2019 4:13:34 PM



#44

trans-1,3-Dichloropropene

Concen: 2.245 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013118.D

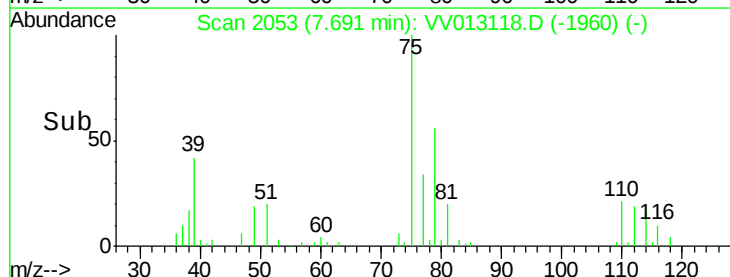
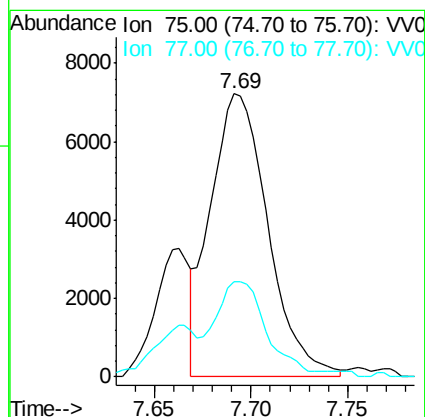
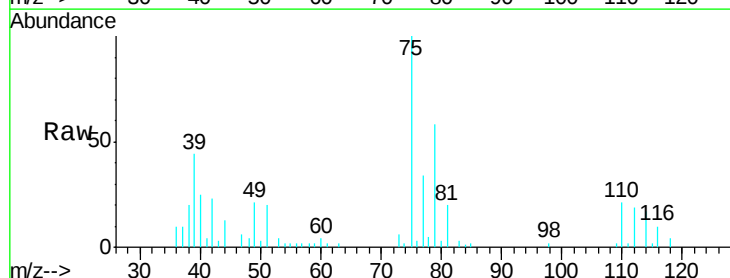
Acq: 11 Oct 2019 22:44

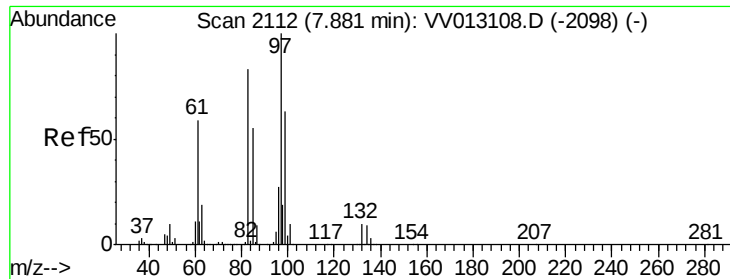
Tgt Ion: 75 Resp: 14927

Ion Ratio Lower Upper

75 100

77 33.8 22.0 41.0





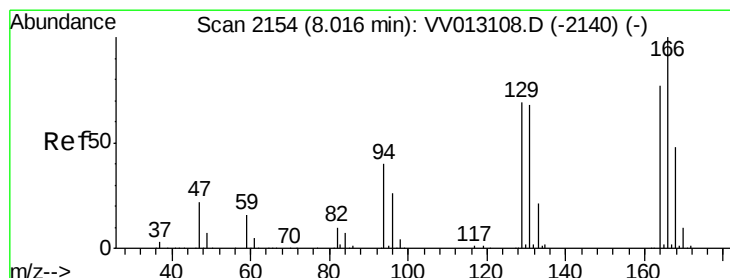
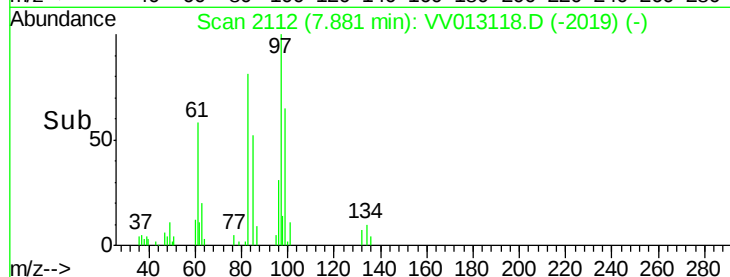
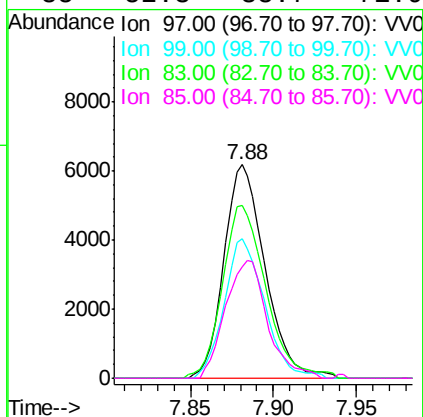
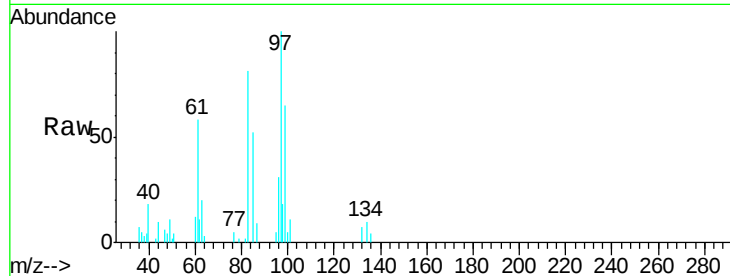
#45
 1,1,2-Trichloroethane
 Concen: 2.167 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06 2.5PPB

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	44.4	82.5
83	80.9	58.2	108.0
85	52.3	38.7	71.9

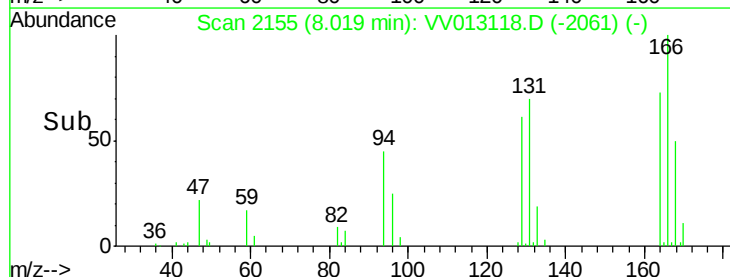
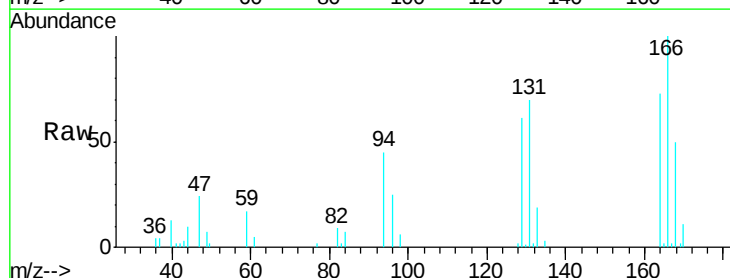
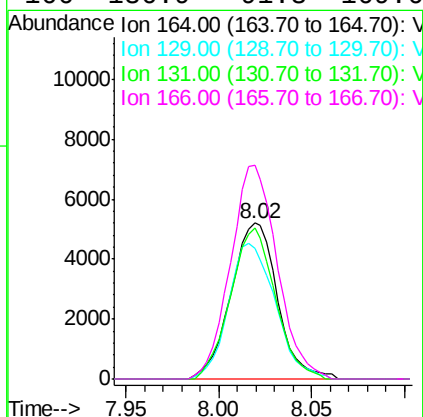
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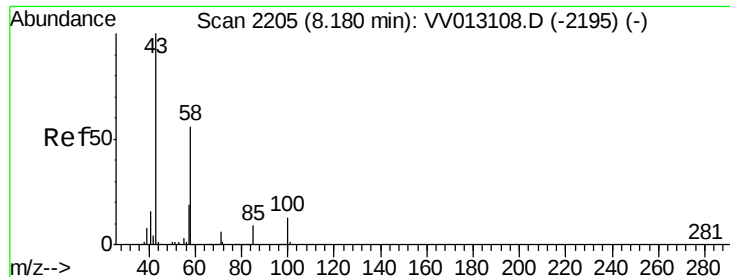
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#46
 Tetrachloroethene
 Concen: 2.146 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
164	100		
129	85.6	63.1	117.1
131	96.5	62.4	116.0
166	136.9	91.3	169.6





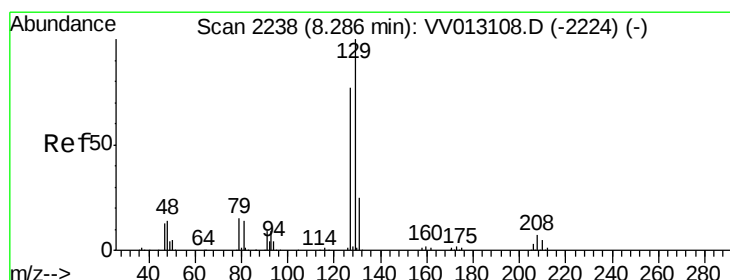
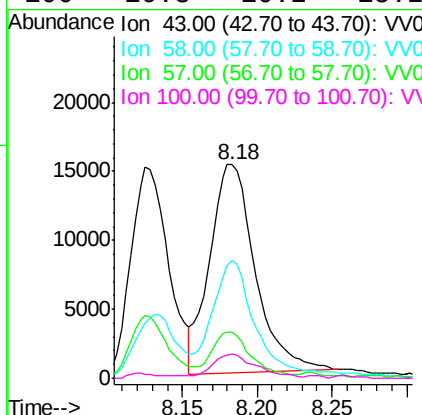
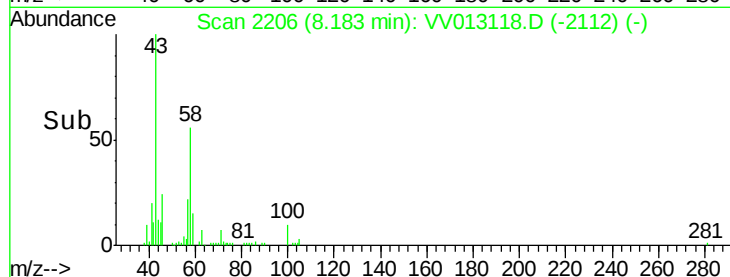
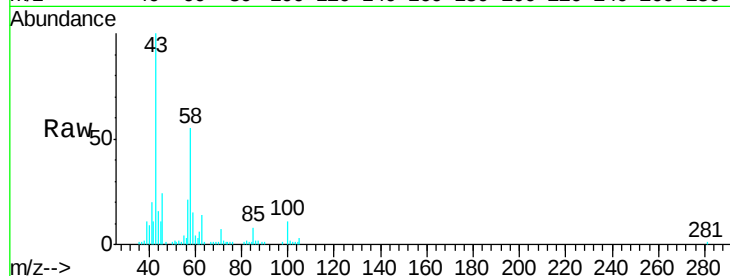
#48
2-Hexanone
Concen: 6.140 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :
MDL06 2.5PPB

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.1	44.9	67.3
57	19.2	15.0	22.6
100	10.3	10.2	15.2

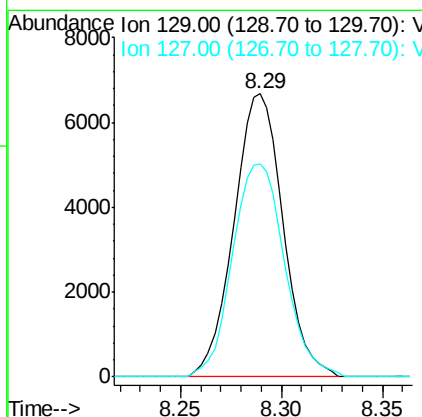
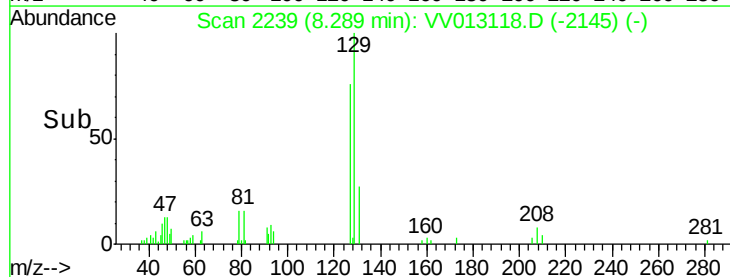
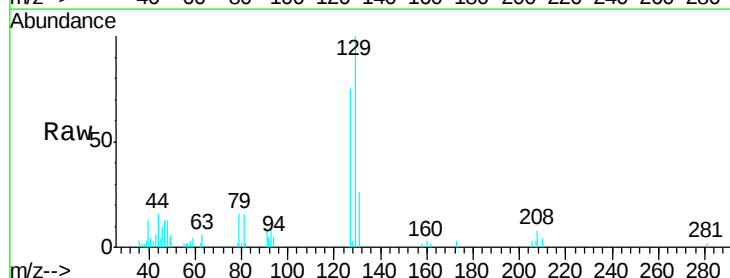
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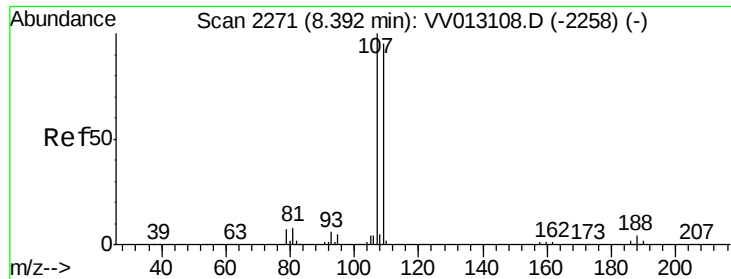
MMDadoda
10/14/2019 4:13:34 PM



#49
Dibromochloromethane
Concen: 2.118 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	54.0	100.4





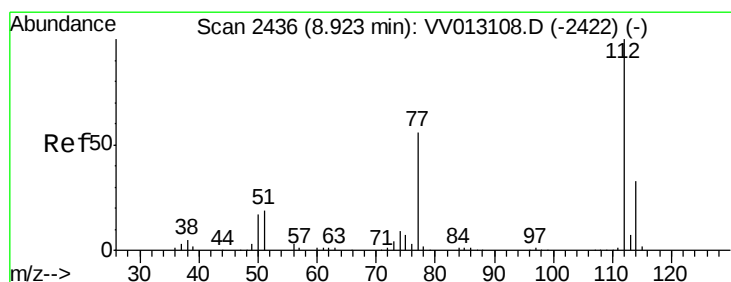
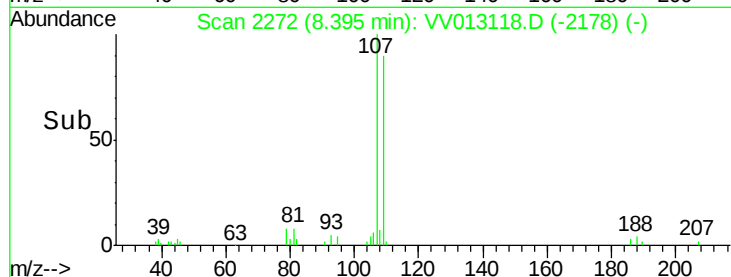
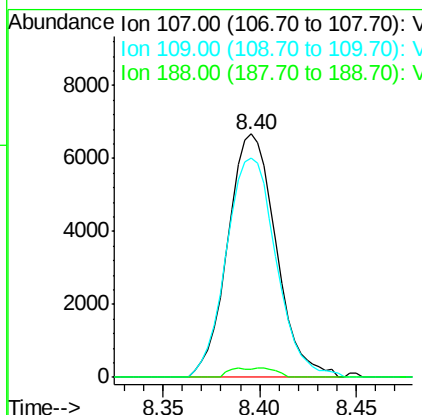
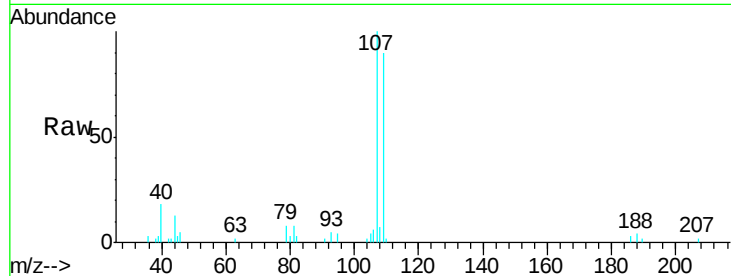
#50
1,2-Dibromoethane
Concen: 2.251 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :
MDL06 2.5PPB

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	11584		
109	90.3	66.6	123.6	
188	3.5	3.4	5.2	

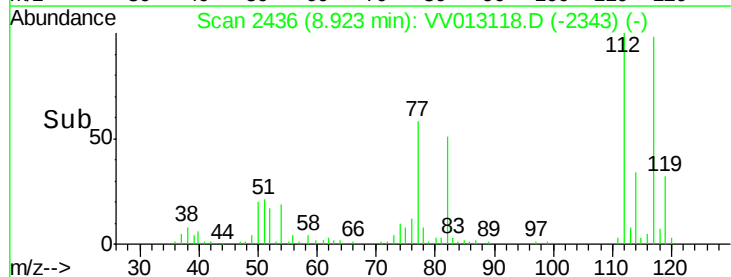
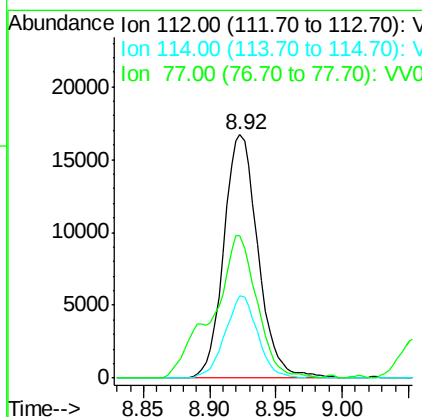
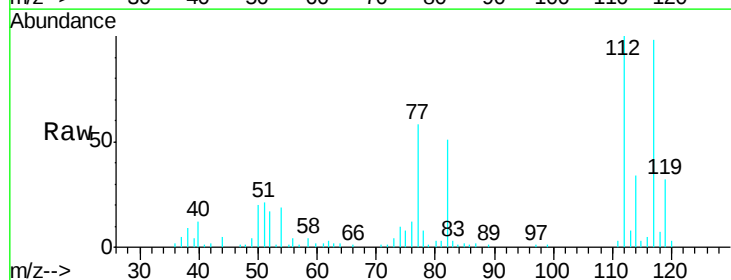
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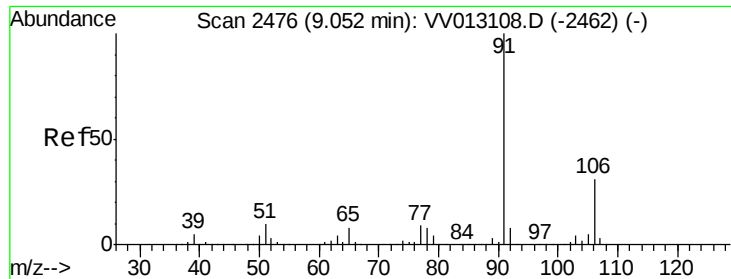
MMDadoda
10/14/2019 4:13:34 PM



#51
Chlorobenzene
Concen: 2.222 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	30043		
114	33.8	22.8	42.4	
77	58.3	45.1	67.7	





#52

Ethylbenzene

Concen: 1.969 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

MDL06 2.5PPB

Tgt Ion: 91 Resp: 43372

Ion Ratio Lower Upper

91 100

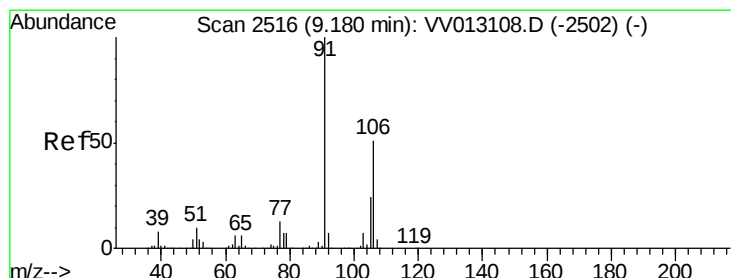
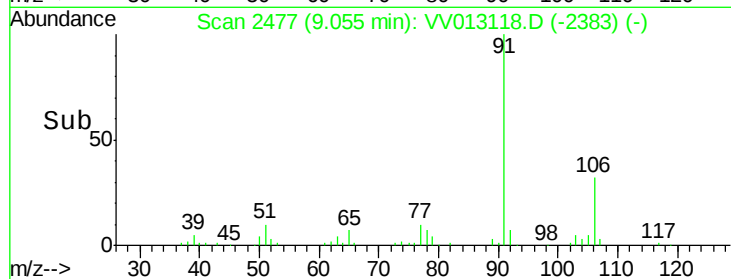
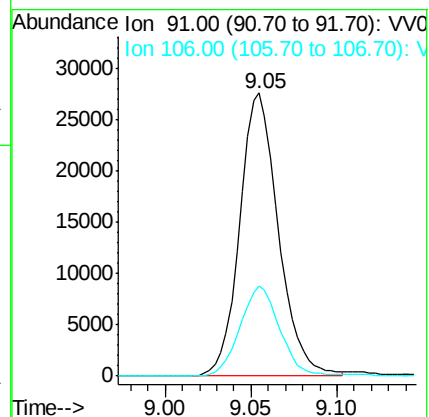
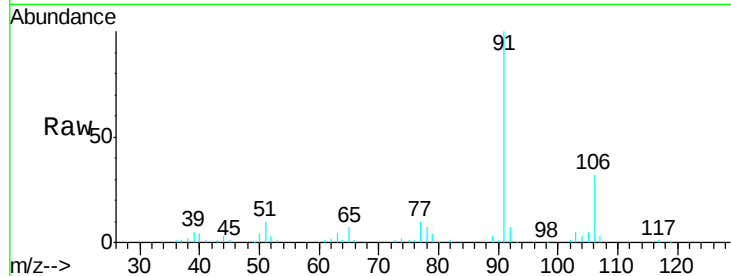
106 32.0 21.8 40.4

Manual Integrations

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#53

m,p-Xylene

Concen: 1.923 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV013118.D

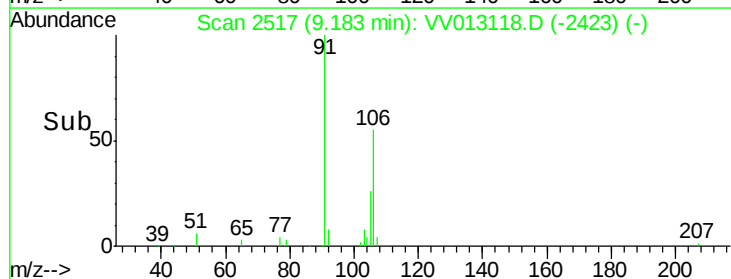
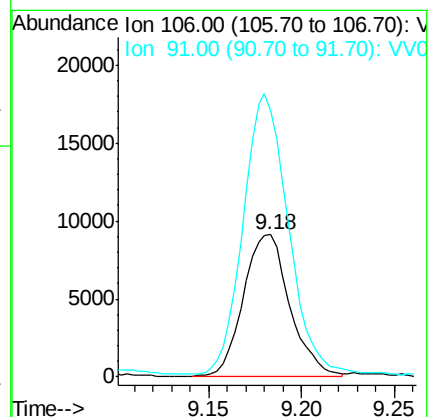
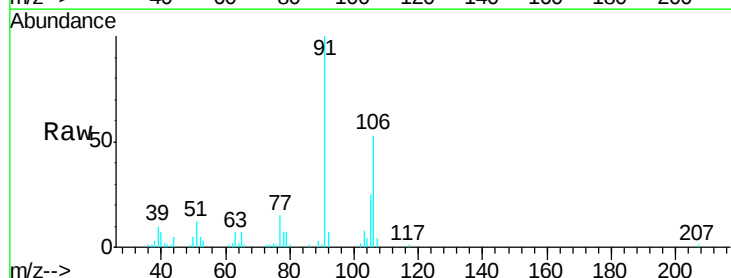
Acq: 11 Oct 2019 22:44

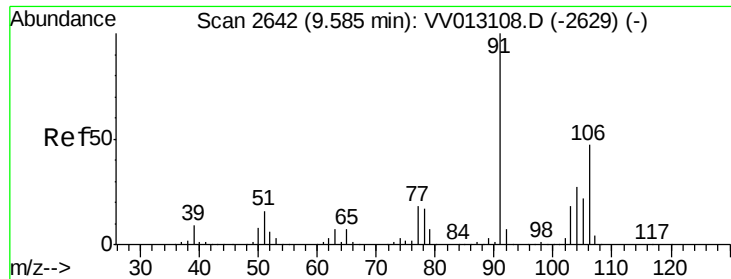
Tgt Ion: 106 Resp: 15938

Ion Ratio Lower Upper

106 100

91 187.7 137.8 255.8





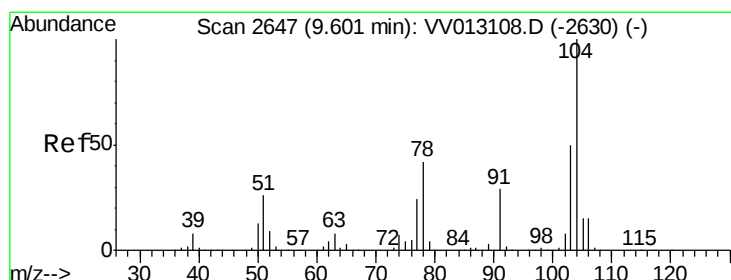
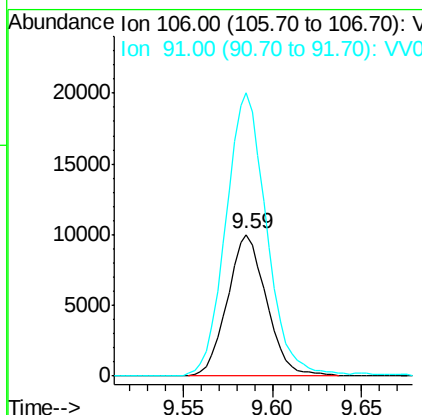
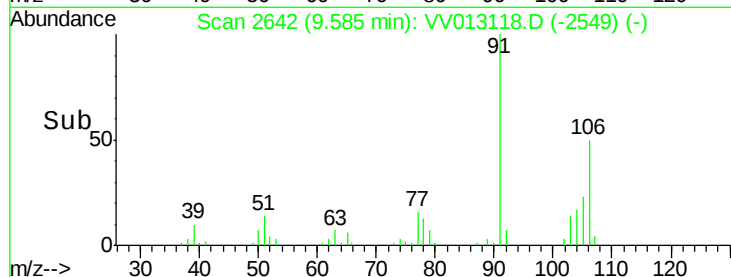
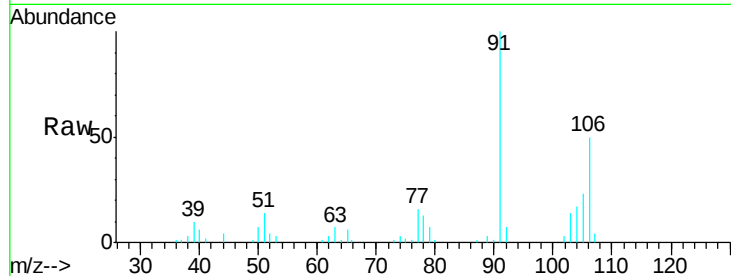
#54
o-xylene
Concen: 1.840 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :
MDL06 2.5PPB

Tgt Ion:106 Resp: 15272
Ion Ratio Lower Upper
106 100
91 199.6 147.6 274.2

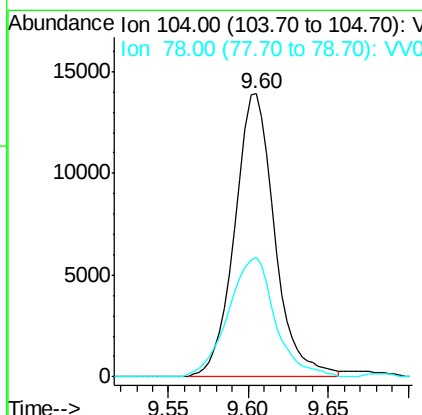
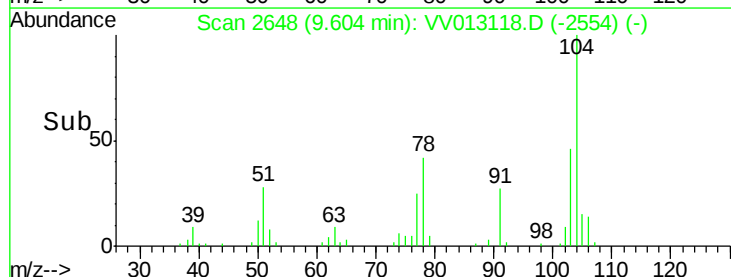
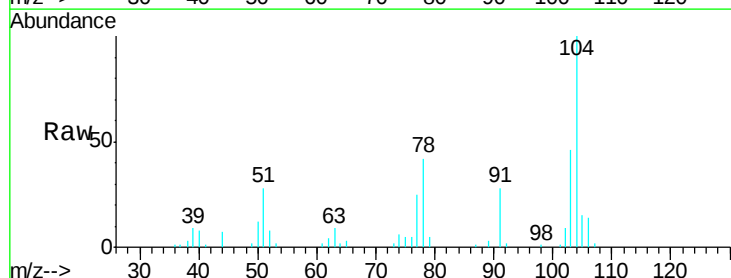
Manual Integrations
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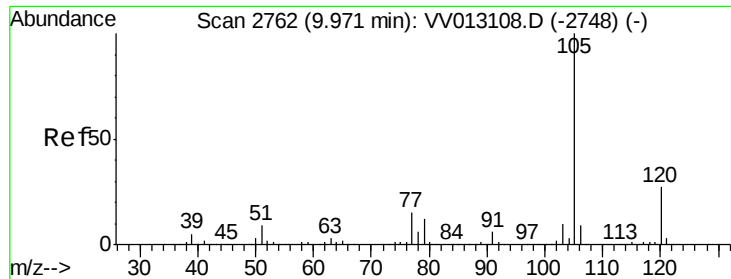
MMDadoda
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#55
Styrene
Concen: 1.738 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion:104 Resp: 23702
Ion Ratio Lower Upper
104 100
78 42.5 29.1 54.1





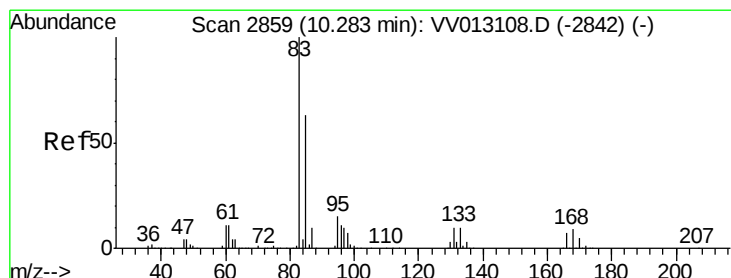
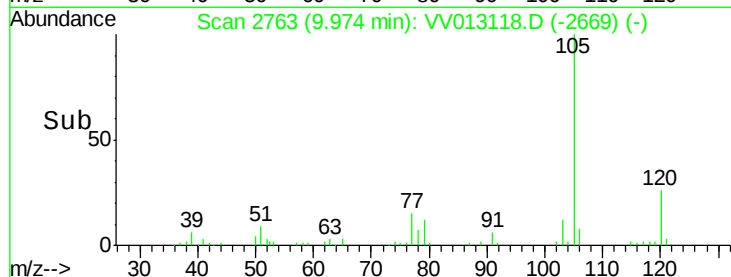
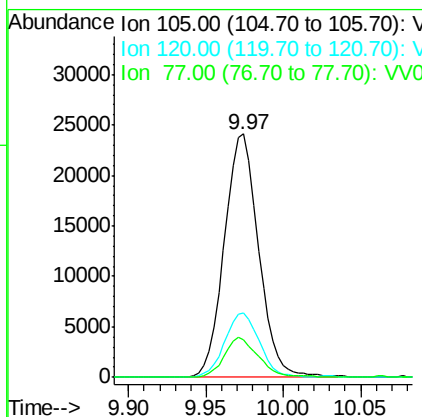
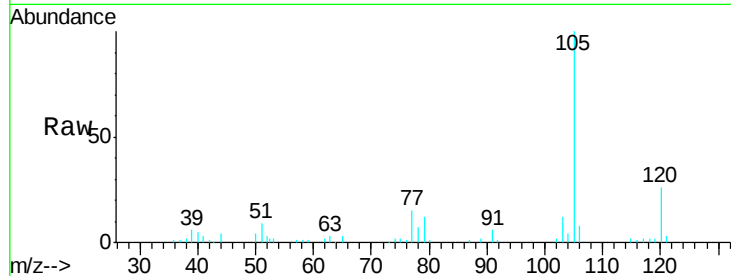
#56
Isopropylbenzene
Concen: 1.741 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :
MDL06 2.5PPB

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.4	32.2
77	16.0	12.1	18.1

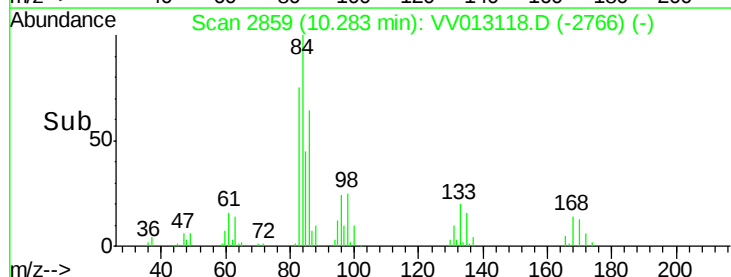
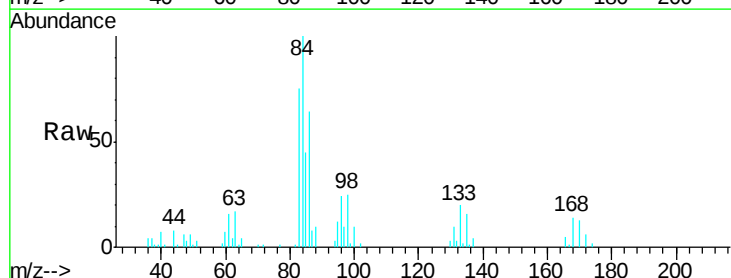
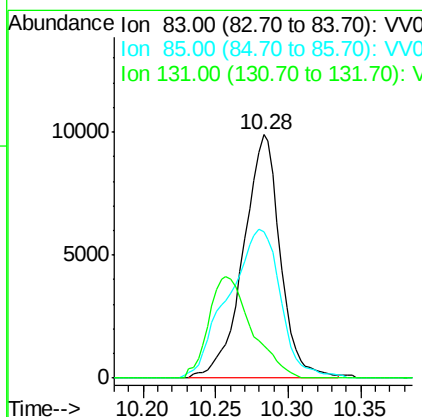
Manual Integrations
APPROVED

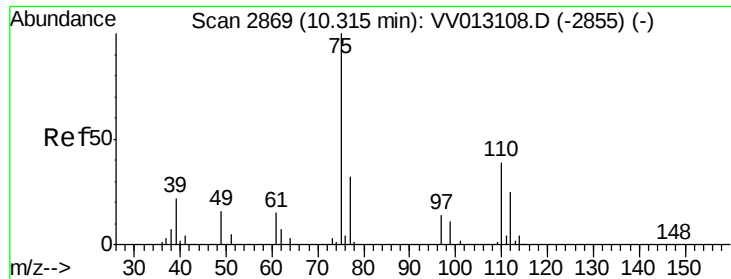
MMDadoda
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#58
1,1,2,2-Tetrachloroethane
Concen: 2.451 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	44.3	82.3
131	13.4	8.1	12.1





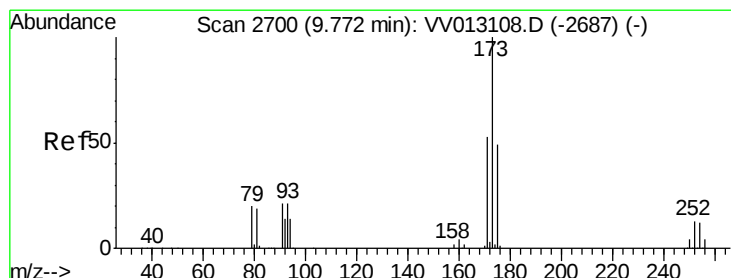
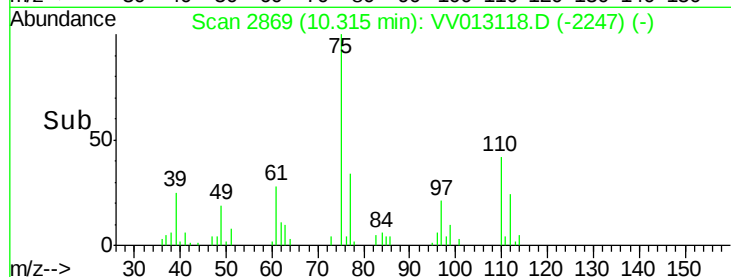
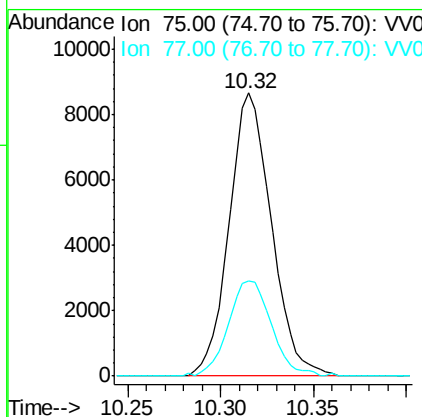
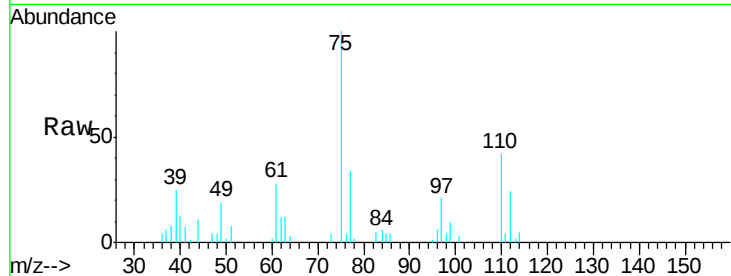
#59
 1,2,3-Trichloropropane
 Concen: 2.173 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06 2.5PPB

Tgt Ion: 75 Resp: 13723
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.7 38.5

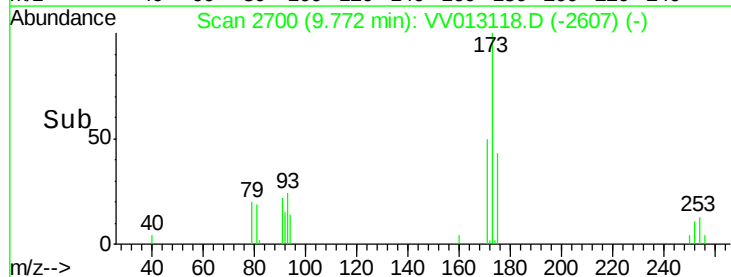
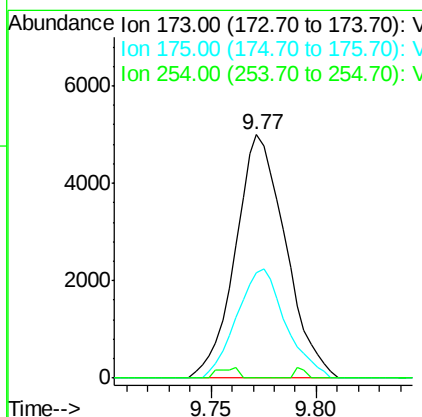
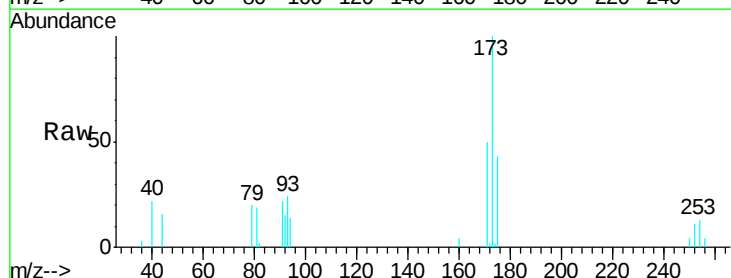
Manual Integrations
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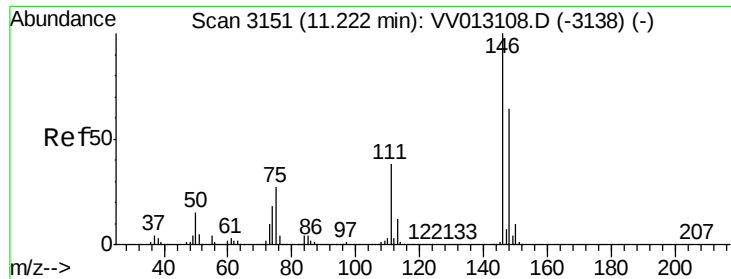
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#61
 Bromoform
 Concen: 2.351 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion: 173 Resp: 8232
 Ion Ratio Lower Upper
 173 100
 175 43.8 38.8 58.2
 254 0.9 9.6 14.4#





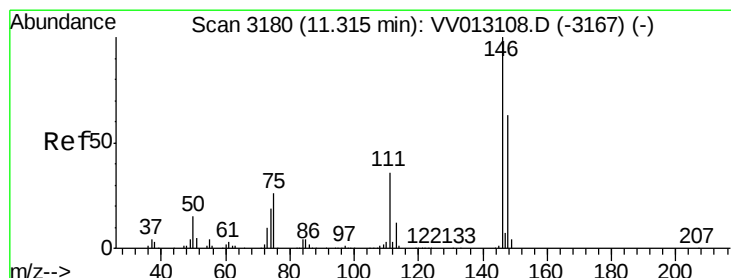
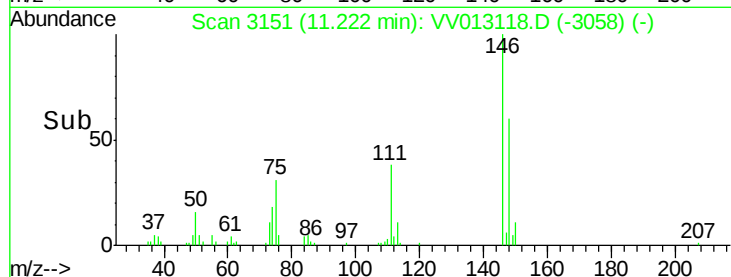
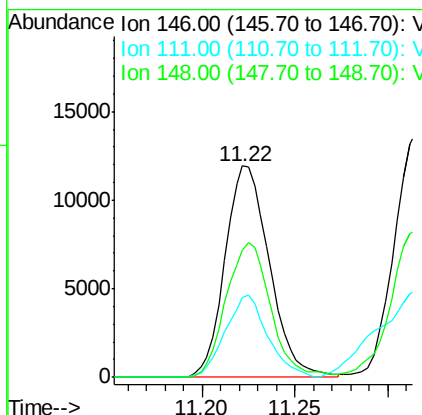
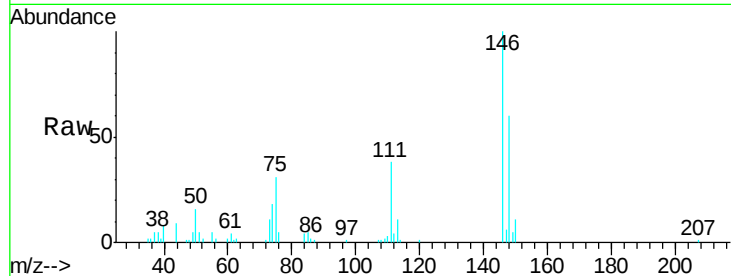
#62
 1,3-Dichlorobenzene
 Concen: 2.201 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06 2.5PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.6	49.4
148	60.3	44.6	82.8

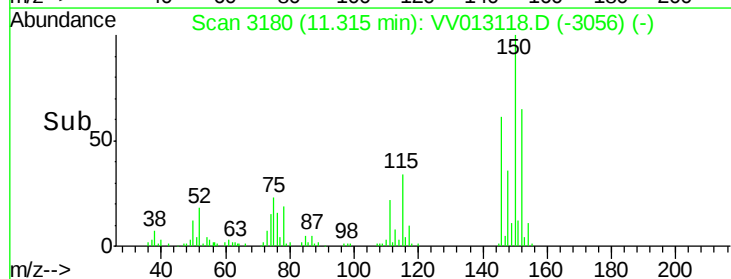
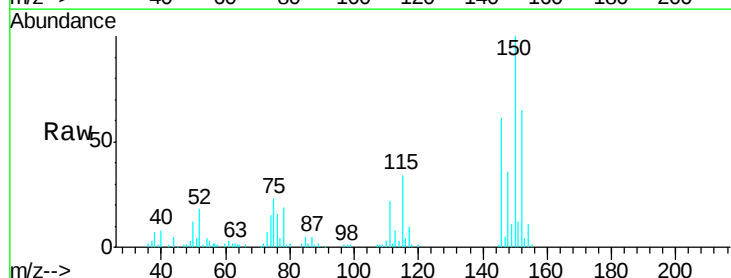
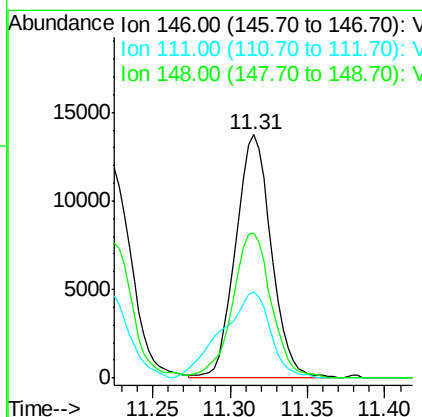
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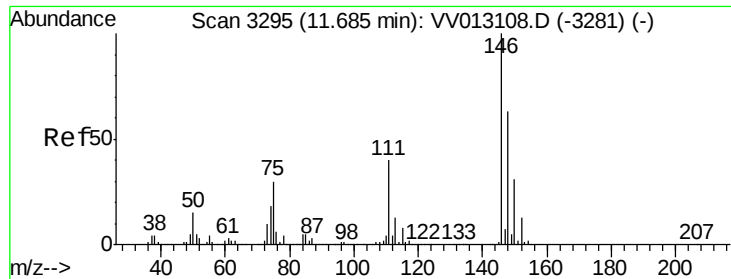
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#63
 1,4-Dichlorobenzene
 Concen: 2.444 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	25.4	47.2
148	59.7	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 2.382 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

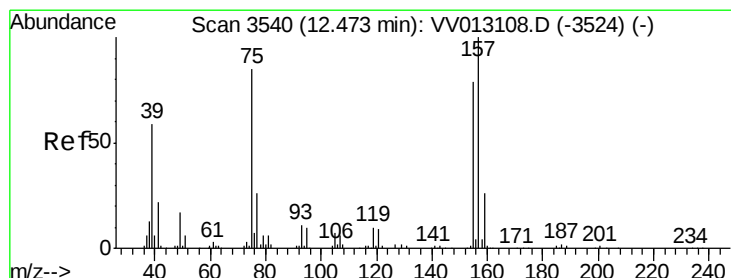
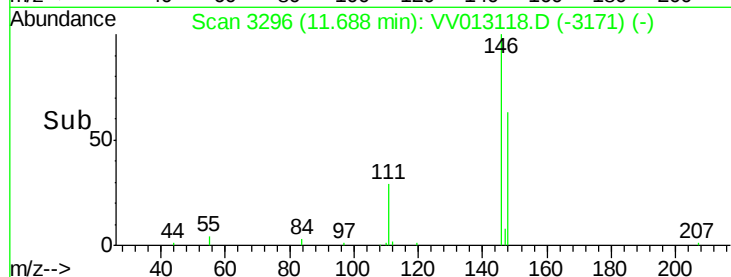
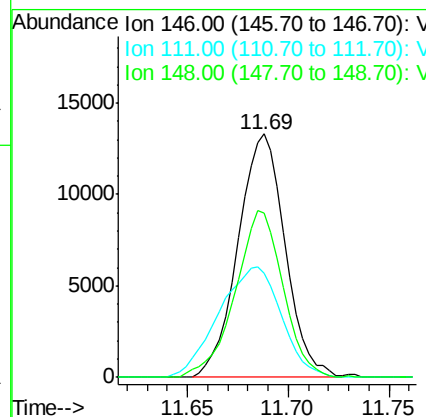
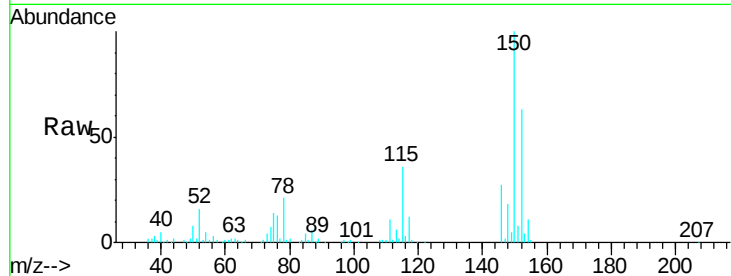
ClientSampleId :

MDL06 2.5PPB

Tgt Ion:	146	Resp:	21816
Ion Ratio	Lower	Upper	
146	100		
111	42.9	32.2	48.2
148	67.2	50.6	76.0

Manual Integrations
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#66

1,2-Dibromo-3-chloropropane

Concen: 2.463 ug/L

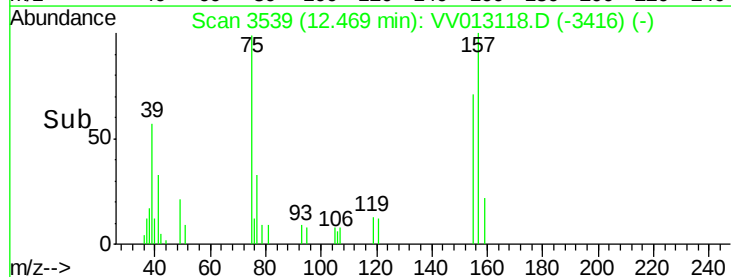
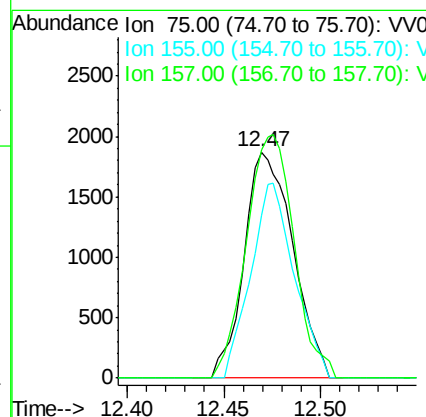
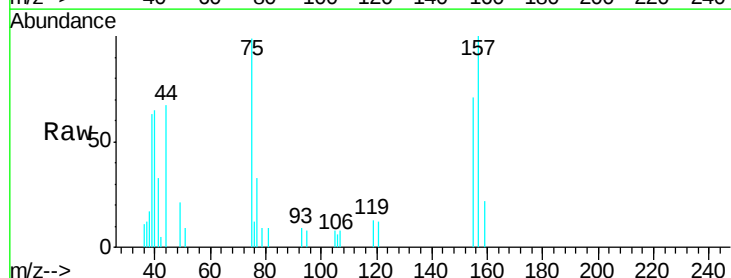
RT: 12.47 min Scan# 3539

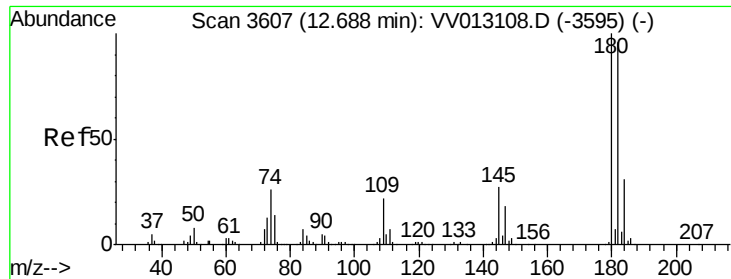
Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Tgt Ion:	75	Resp:	3281
Ion Ratio	Lower	Upper	
75	100		
155	72.1	74.6	111.8#
157	101.2	94.2	141.4





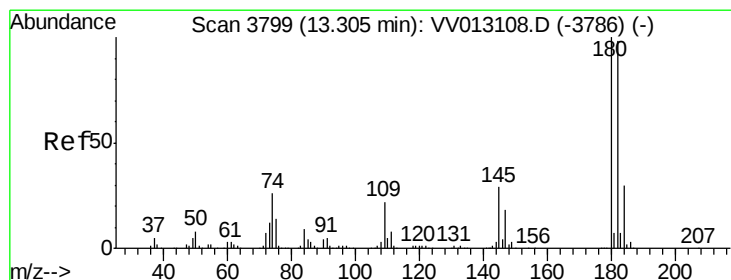
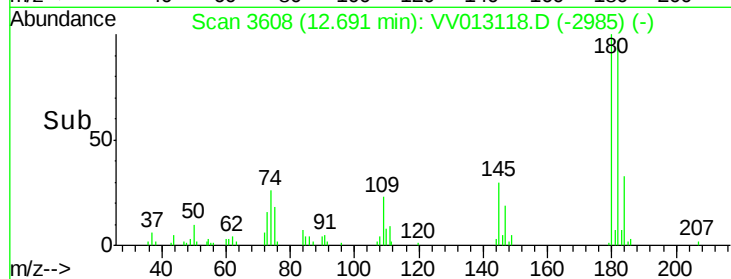
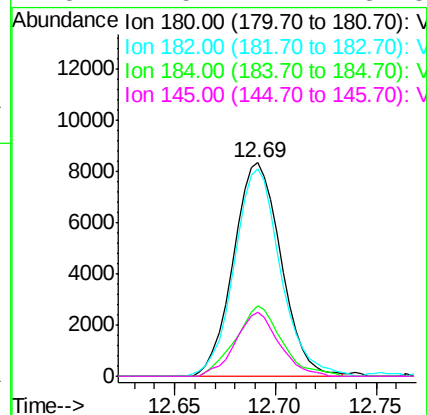
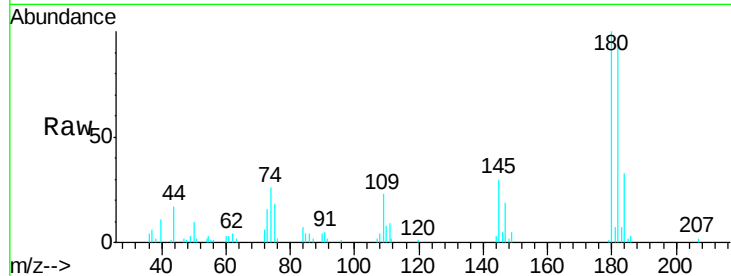
#67
1,3,5-Trichlorobenzene
Concen: 2.148 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :
MDL06 2.5PPB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.7	115.1
184	31.9	24.3	36.5
145	27.5	21.7	32.5

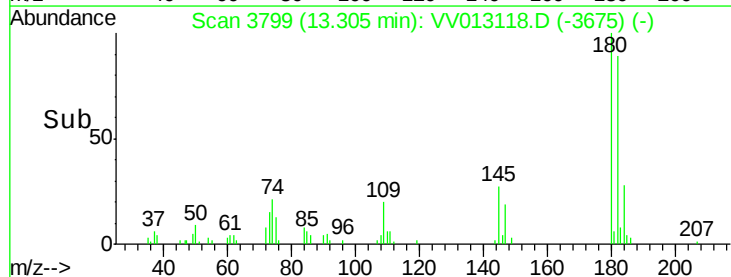
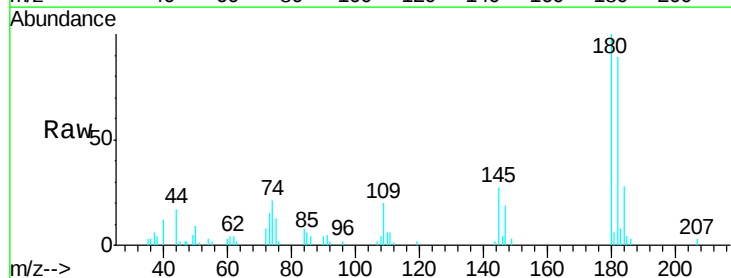
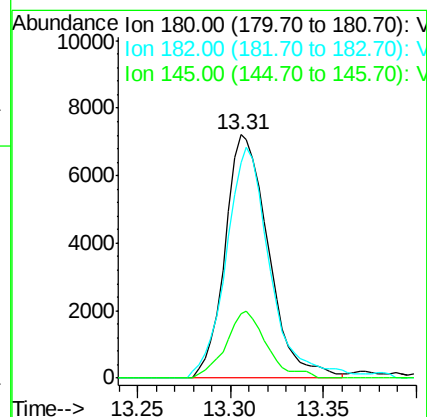
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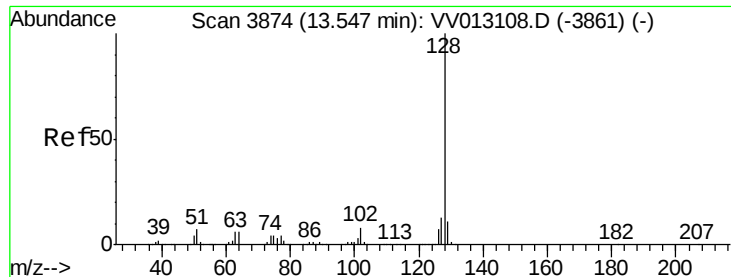
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#68
1,2,4-trichlorobenzene
Concen: 2.127 ug/L
RT: 13.31 min Scan# 3799
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.4	116.0
145	24.9	22.7	34.1





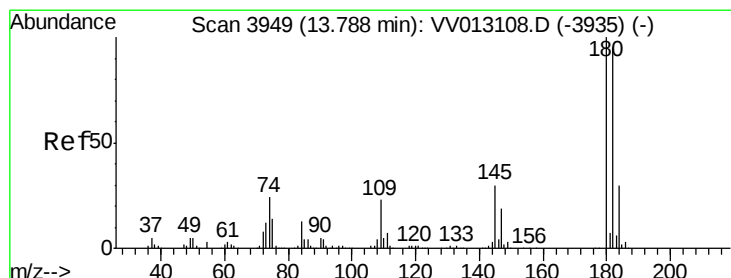
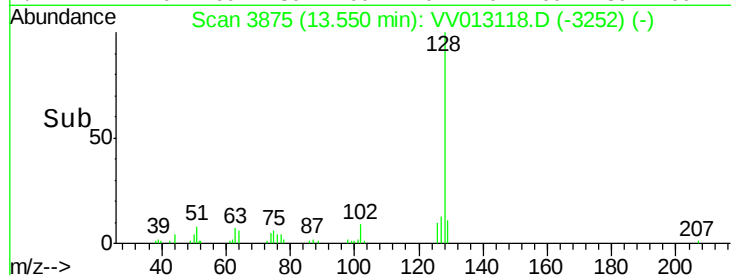
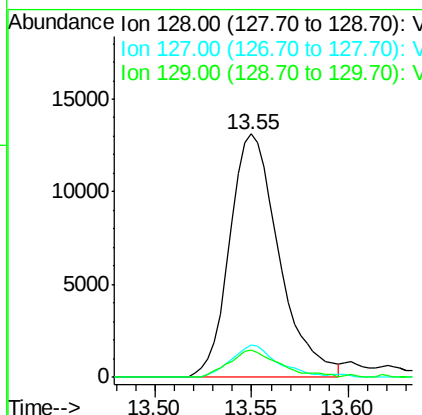
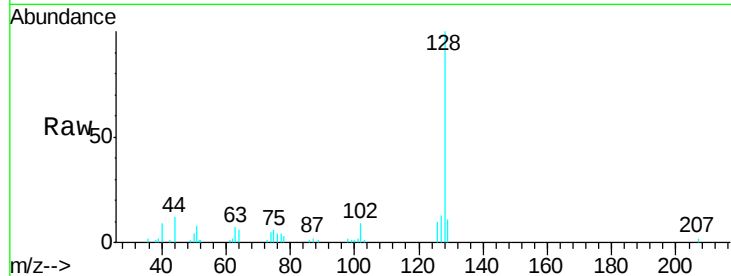
#69
Naphthalene
Concen: 1.536 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :
MDL06 2.5PPB

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 2.003 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.9	115.3
145	29.6	23.8	35.8

