

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018690.D
 Acq On : 06 Oct 2020 13:45
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:00:55 PM

Quant Time: Oct 07 06:36:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 05:40:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	227676	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	246197	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	108138	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79359	56.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.36%
7) Chloroethane-d5	1.58	69	67875	55.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.64%
11) 1,1-Dichloroethene-d2	2.12	63	125558	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.78%
21) 2-Butanone-d5	3.91	46	92833	91.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.67%
24) Chloroform-d	4.38	84	144708	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.06	65	101857	54.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.58%
32) Benzene-d6	5.08	84	283254	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
36) 1,2-Dichloropropane-d6	6.09	67	88999	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.04%
41) Toluene-d8	7.34	98	255378	45.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.64	79	43341	43.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.42%
47) 2-Hexanone-d5	8.11	63	46722	63.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	63.50%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	101919	39.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.40%
66) 1,2-Dichlorobenzene-d4	11.65	152	104669	51.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3720	2.214 ug/L	94
3) Chloromethane	1.25	50	4591	2.463 ug/L	97
5) Vinyl chloride	1.32	62	5484	2.875 ug/L #	70
6) Bromomethane	1.53	94	3569	2.945 ug/L	97
8) Chloroethane	1.60	64	3433	2.793 ug/L	99
9) Trichlorofluoromethane	1.77	101	7729	2.850 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5477	3.294 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	4879	3.086 ug/L #	1
13) Acetone	2.20	43	5644	4.406 ug/L	89
14) Carbon disulfide	2.31	76	12958	2.887 ug/L	97
15) Methyl Acetate	2.46	43	4567	2.702 ug/L	98
16) Methylene chloride	2.52	84	6231	3.481 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	4648	2.904 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	13074	2.628 ug/L	97
19) 1,1-Dichloroethane	3.21	63	7263	2.338 ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	4347	2.519 ug/L	91
22) 2-Butanone	4.04	43	5387m	4.237 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2248	2.433	ug/L	70
25) Chloroform	4.41	83	10139	3.228	ug/L	85
27) 1,2-Dichloroethane	5.16	62	6010	2.469	ug/L	99
29) Cyclohexane	4.70	56	5546	1.936	ug/L #	52
30) 1,1,1-Trichloroethane	4.64	97	6901	2.279	ug/L	95
31) Carbon tetrachloride	4.86	117	6099	2.310	ug/L	99
33) Benzene	5.13	78	15127	2.052	ug/L	100
34) Trichloroethene	5.94	95	5857	2.889	ug/L	99
35) Methylcyclohexane	6.15	83	5148	1.749	ug/L	96
37) 1,2-Dichloropropane	6.21	63	4297	2.204	ug/L #	95
38) Bromodichloromethane	6.54	83	5486	2.150	ug/L #	98
39) cis-1,3-Dichloropropene	7.06	75	5456	1.865	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	8664	3.744	ug/L	98
42) Toluene	7.41	91	16624	2.149	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	6676	2.302	ug/L	88
45) 1,1,2-Trichloroethane	7.86	97	3904	2.126	ug/L	95
46) Tetrachloroethene	8.00	164	3387	2.134	ug/L	97
48) 2-Hexanone	8.16	43	15924	8.120	ug/L	97
49) Dibromochloromethane	8.27	129	4070	1.991	ug/L	91
50) 1,2-Dibromoethane	8.38	107	4384	2.294	ug/L #	87
51) Chlorobenzene	8.90	112	12663	2.450	ug/L	98
52) Ethylbenzene	9.04	91	18930	2.224	ug/L	96
53) m,p-Xylene	9.16	106	6571	2.067	ug/L	95
54) o-Xylene	9.57	106	6706	2.190	ug/L	94
55) Styrene	9.59	104	10700	1.997	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	5840	2.182	ug/L #	96
59) Bromoform	9.75	173	2918	2.414	ug/L #	36
60) Isopropylbenzene	9.95	105	16234	2.436	ug/L	96
61) 1,2,3-Trichloropropane	10.30	75	5123	2.730	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	10596	1.964	ug/L	96
63) 1,2,4-Trimethylbenzene	10.94	105	10806	1.951	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	7998	2.361	ug/L	95
65) 1,4-Dichlorobenzene	11.30	146	9324	2.626	ug/L	96
67) 1,2-Dichlorobenzene	11.67	146	9136	2.682	ug/L #	93
68) 1,2-Dibromo-3-chloropropan	12.45	75	1004	2.118	ug/L	95
69) 1,3,5-Trichlorobenzene	12.67	180	5104	1.932	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	3984	1.683	ug/L	94
71) Naphthalene	13.53	128	9729	1.585	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	4118	1.731	ug/L	96

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

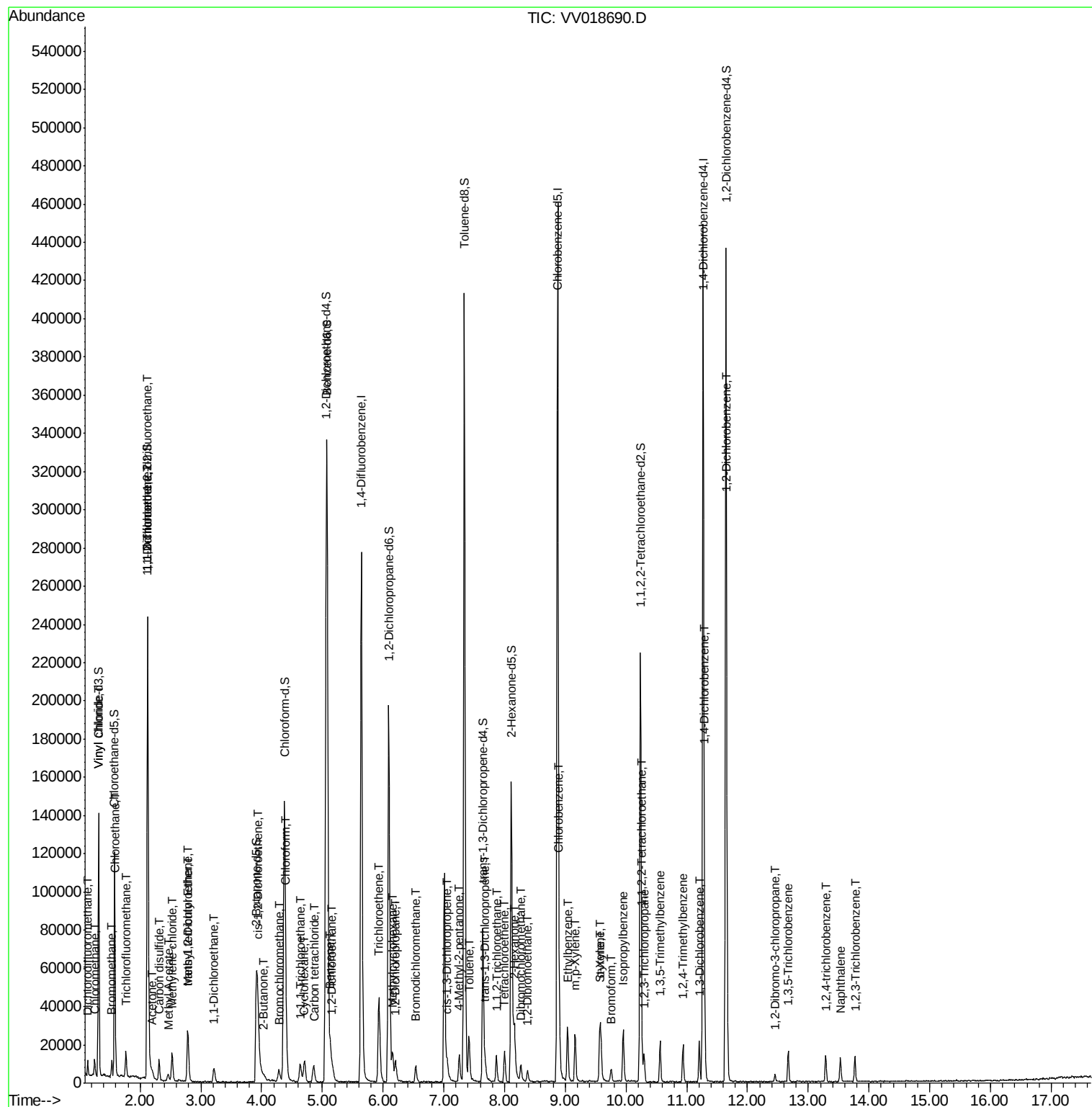
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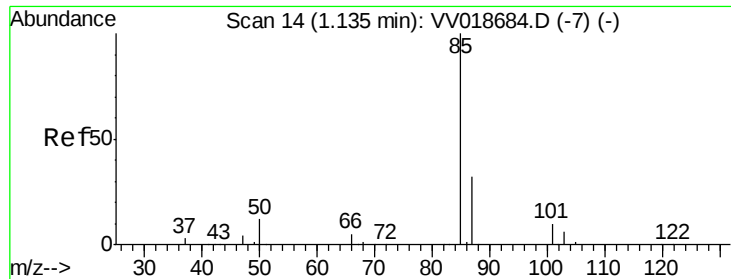
Instrument :
MSVOA_V
ClientSampleId :
MDL04

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#2

Dichlorodifluoromethane

Concen: 2.214 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 3720

Ion Ratio Lower Upper

85 100

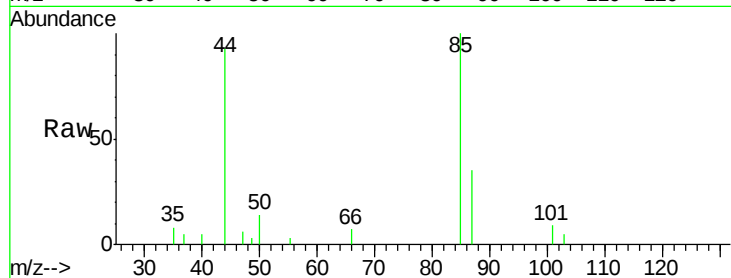
87 35.4 25.8 38.6

Manual Integrations

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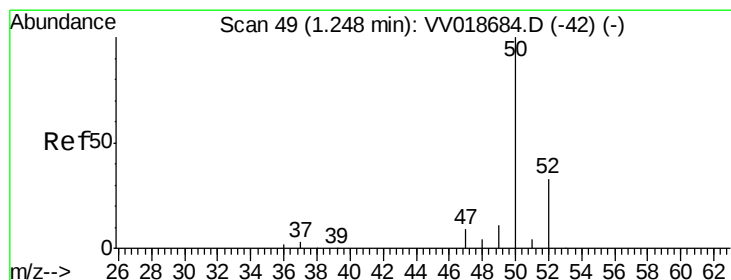
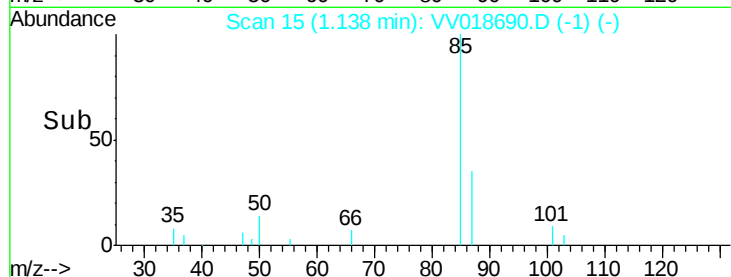
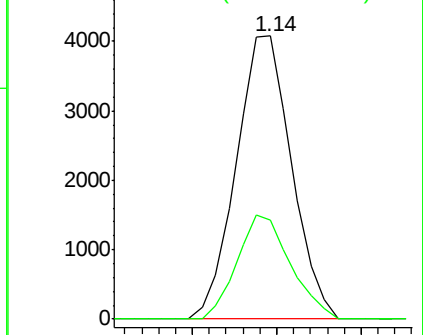
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Abundance Ion 85.00 (84.70 to 85.70): VV018684.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018684.D (-7) (-)



#3

Chloromethane

Concen: 2.463 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018690.D

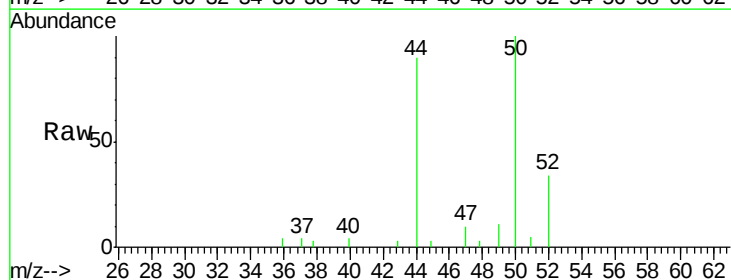
Acq: 06 Oct 2020 13:45

Tgt Ion: 50 Resp: 4591

Ion Ratio Lower Upper

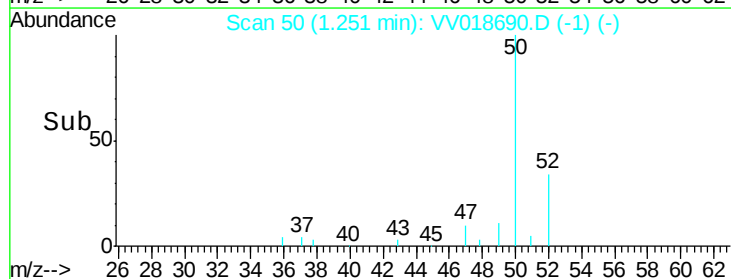
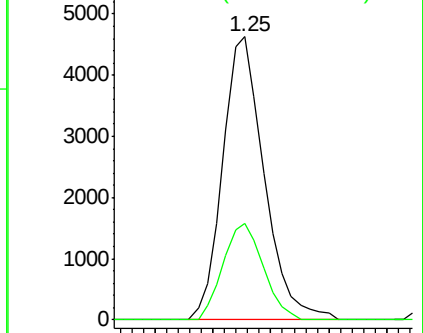
50 100

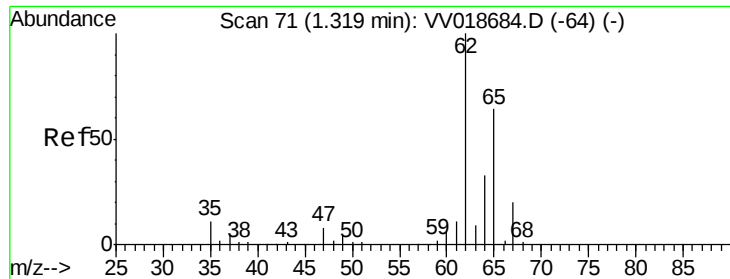
52 34.1 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV018684.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018684.D (-42) (-)





#5

Vinyl chloride

Concen: 2.875 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 5484

Ion Ratio Lower Upper

62 100

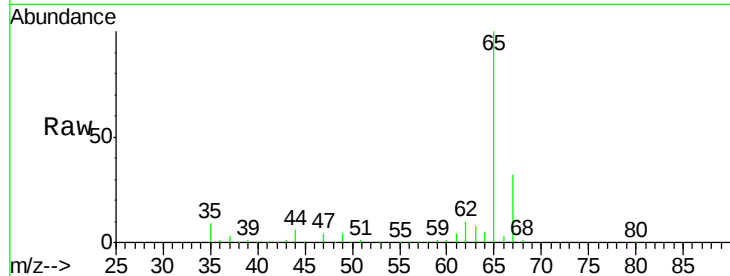
64 49.6 22.9 42.5#

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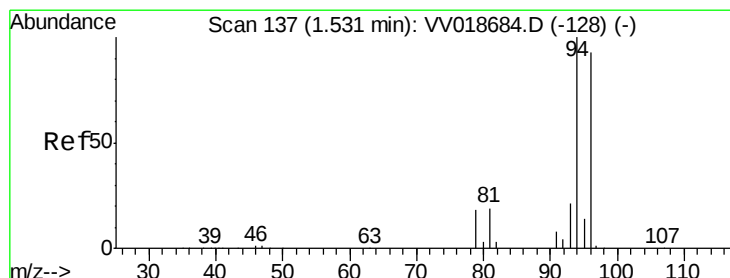
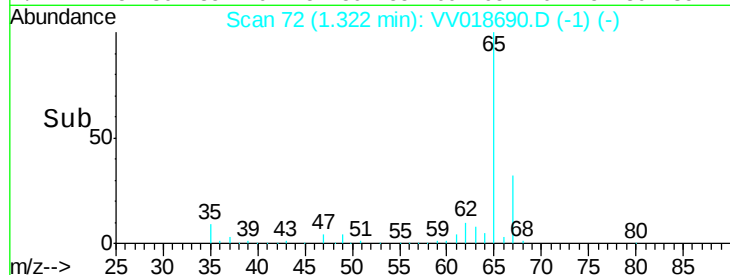
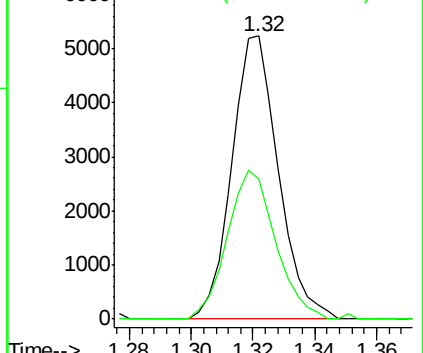
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.945 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018690.D

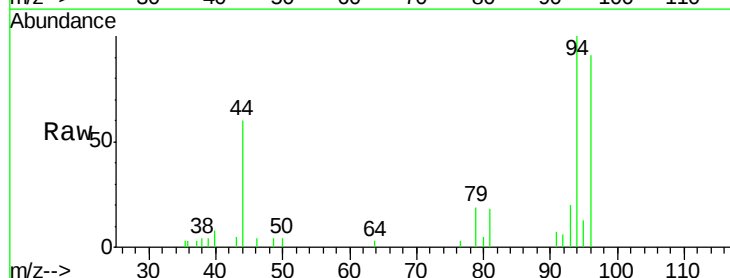
Acq: 06 Oct 2020 13:45

Tgt Ion: 94 Resp: 3569

Ion Ratio Lower Upper

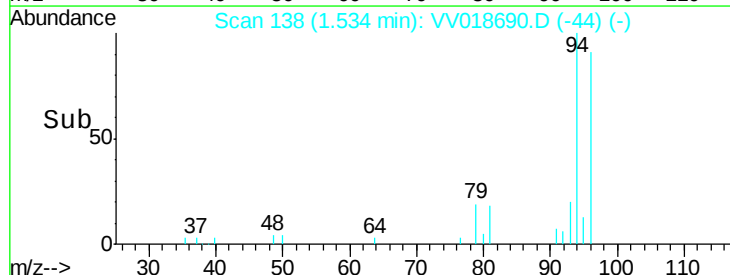
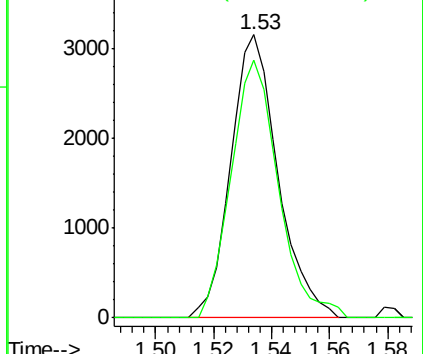
94 100

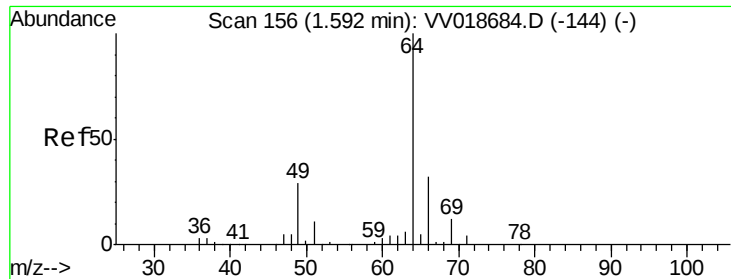
96 90.9 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.793 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 3433

Ion Ratio Lower Upper

64 100

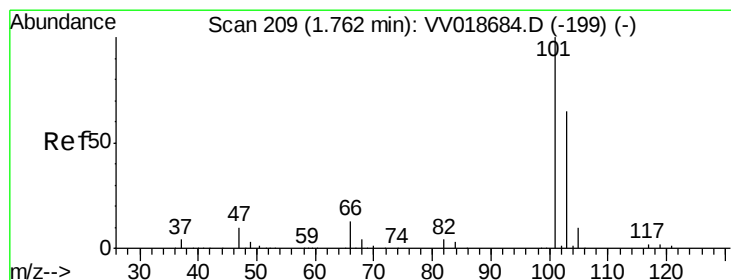
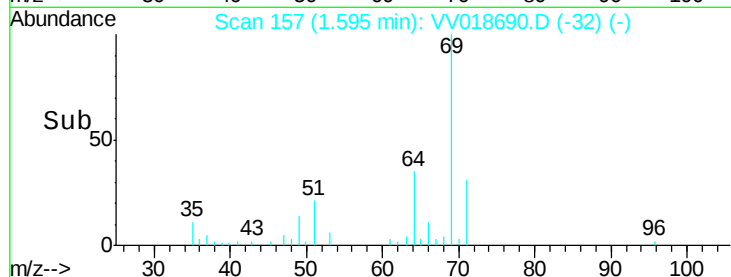
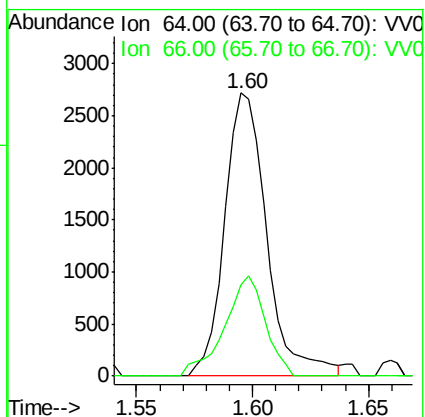
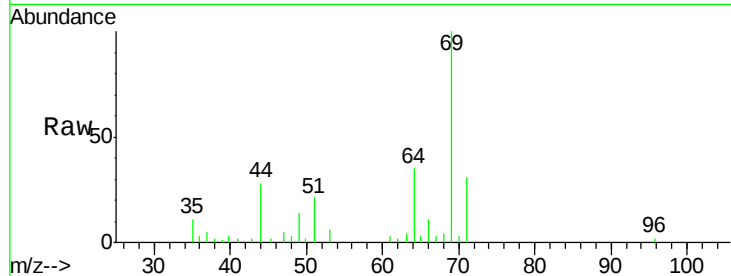
66 32.1 23.0 42.6

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.850 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018690.D

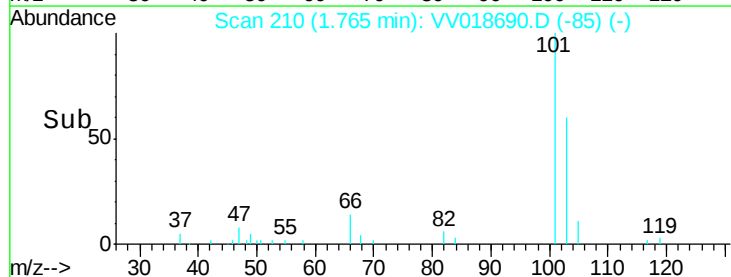
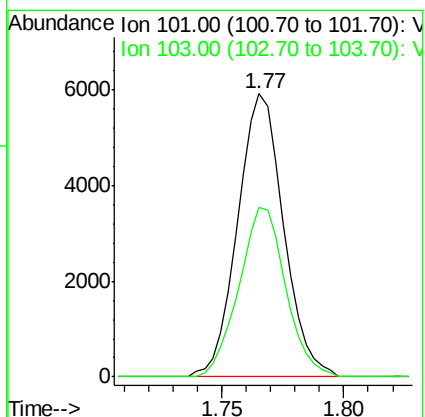
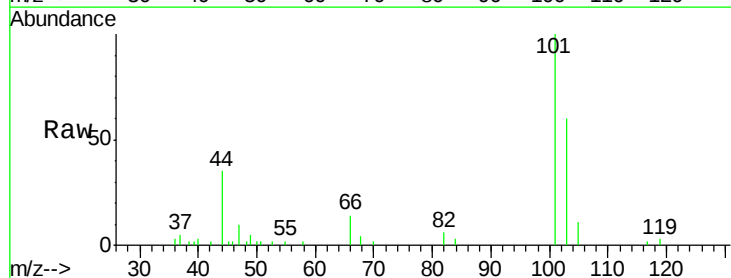
Acq: 06 Oct 2020 13:45

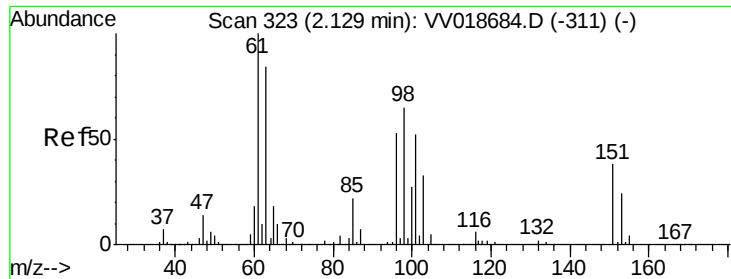
Tgt Ion: 101 Resp: 7729

Ion Ratio Lower Upper

101 100

103 60.9 52.1 78.1





#10

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

Concen: 3.294 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

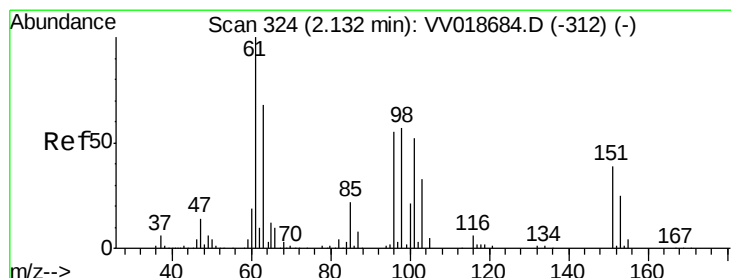
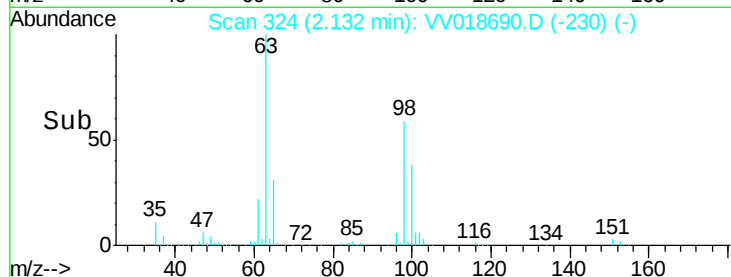
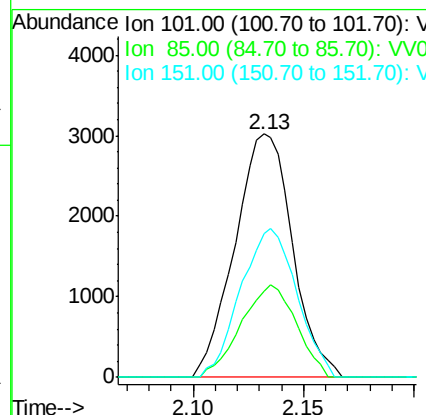
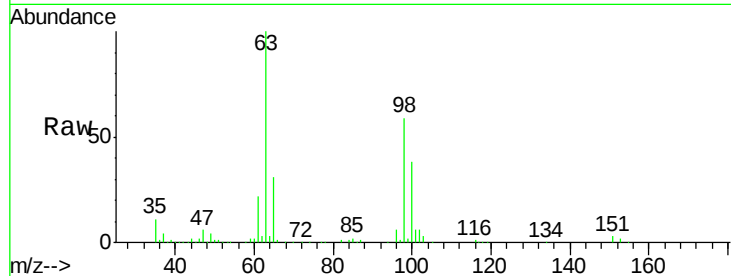
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	5477
Ion Ratio	Lower	Upper	
101	100		
85	36.4	34.6	51.8
151	59.7	62.4	93.6#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.086 ug/L

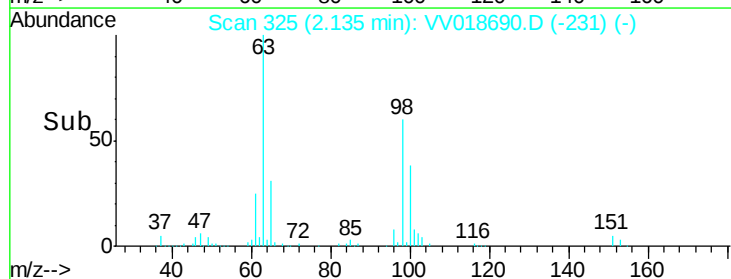
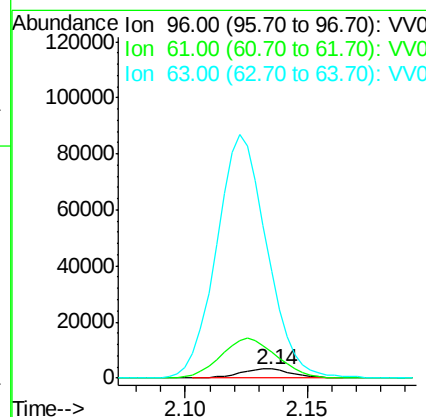
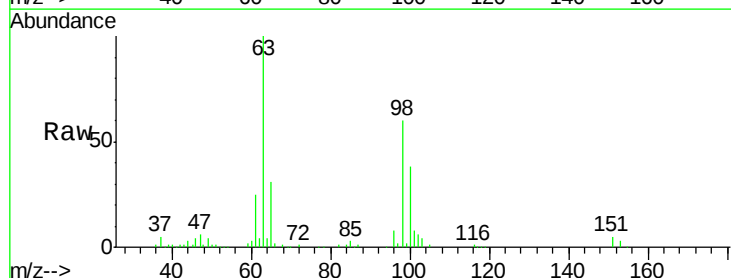
RT: 2.14 min Scan# 325

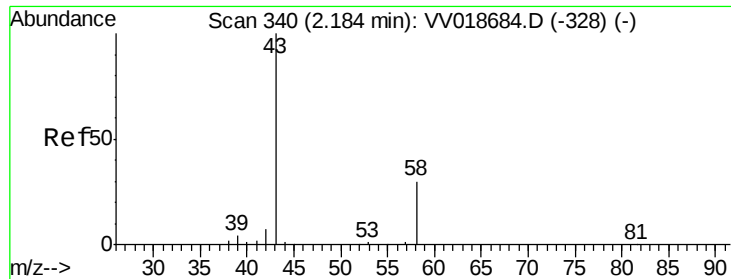
Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Tgt Ion:	96	Resp:	4879
Ion Ratio	Lower	Upper	
96	100		
61	295.6	121.0	224.8#
63	1185.9	93.0	172.6#





#13

Acetone

Concen: 4.406 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 5644

Ion Ratio Lower Upper

43 100

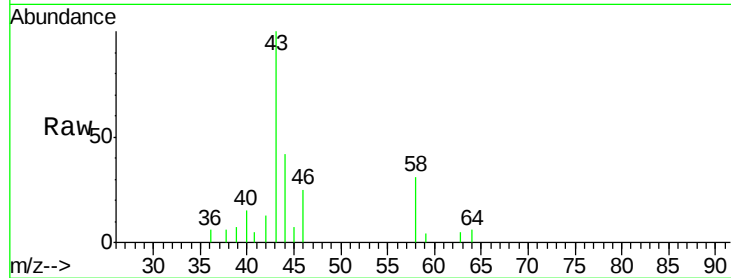
58 26.5 0.0 65.8

Manual Integrations

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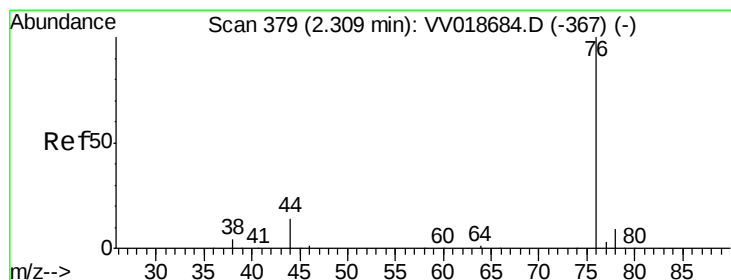
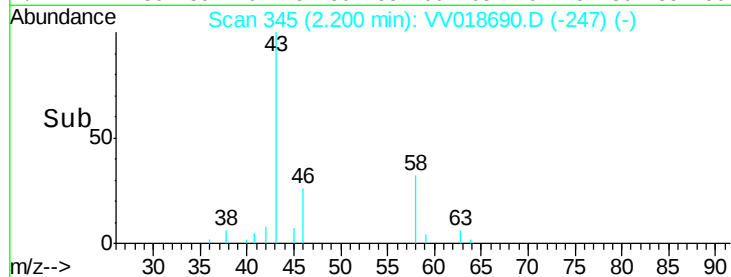
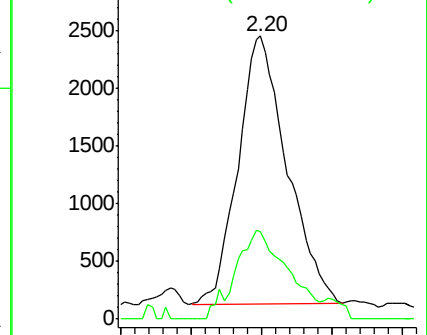
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.887 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018690.D

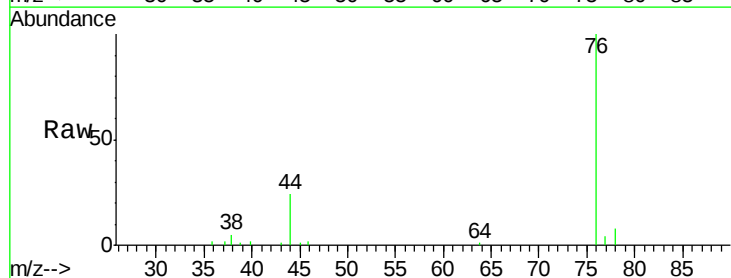
Acq: 06 Oct 2020 13:45

Tgt Ion: 76 Resp: 12958

Ion Ratio Lower Upper

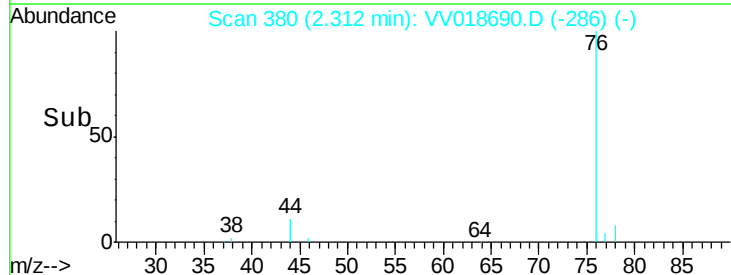
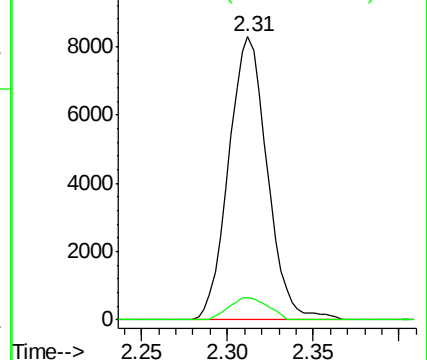
76 100

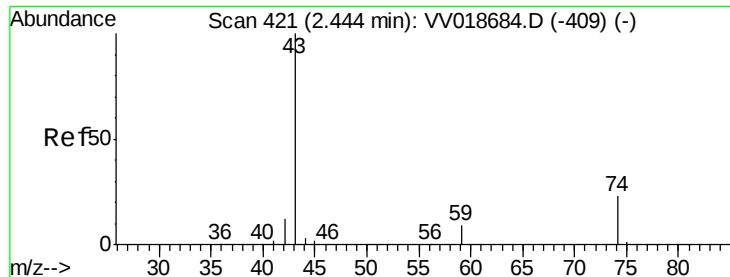
78 8.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





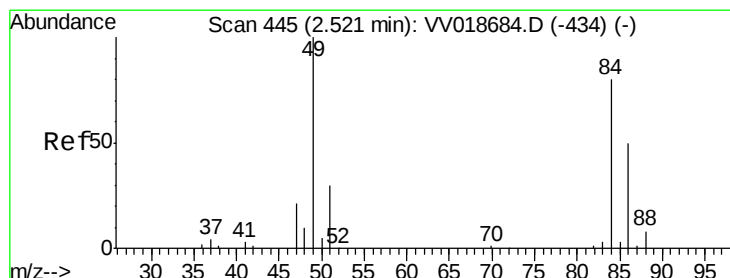
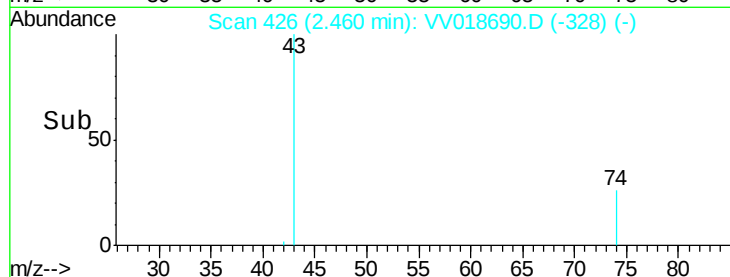
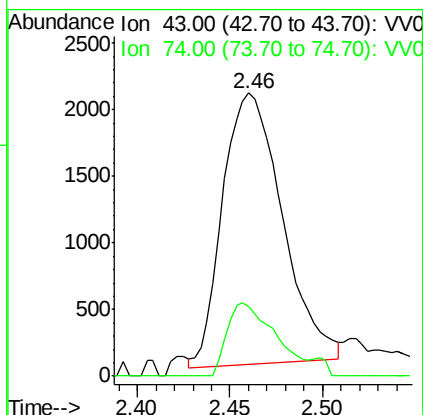
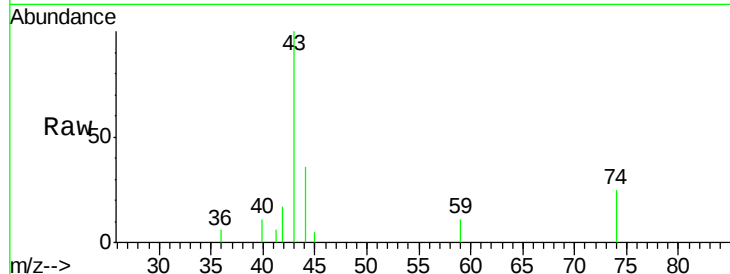
#15
Methvl Acetate
Concen: 2.702 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.02 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 4567
Ion Ratio Lower Upper
43 100
74 21.8 18.4 27.6

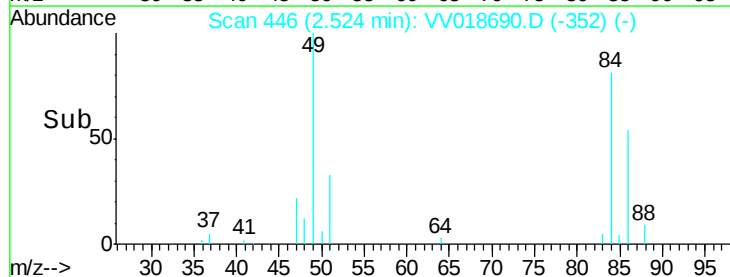
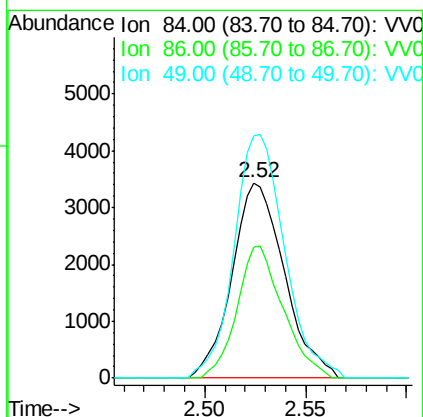
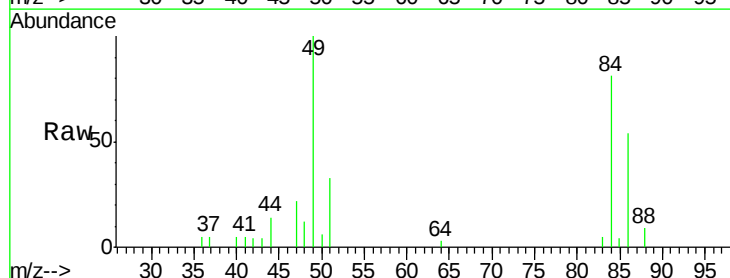
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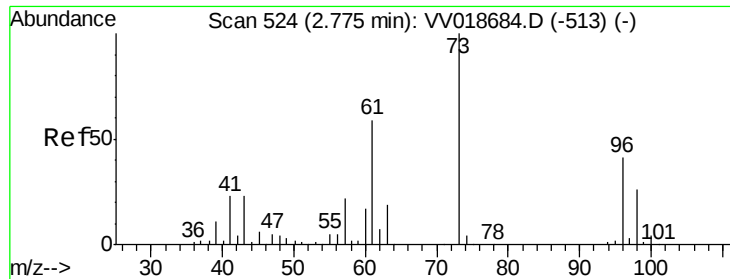
MMDadoda
10/12/2020 2:00:55 PM



#16
Methylene chloride
Concen: 3.481 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion: 84 Resp: 6231
Ion Ratio Lower Upper
84 100
86 67.1 46.0 85.4
49 124.1 87.5 162.5





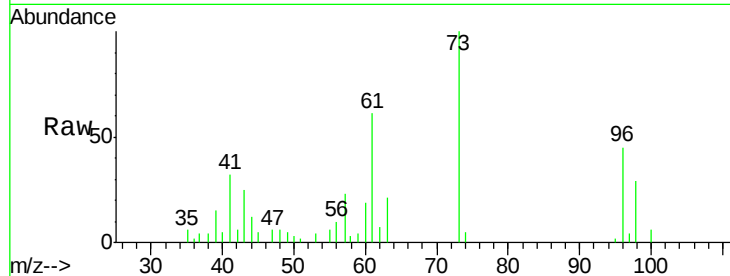
#17
trans-1,2-Dichloroethene
Concen: 2.904 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampled :
MDL04

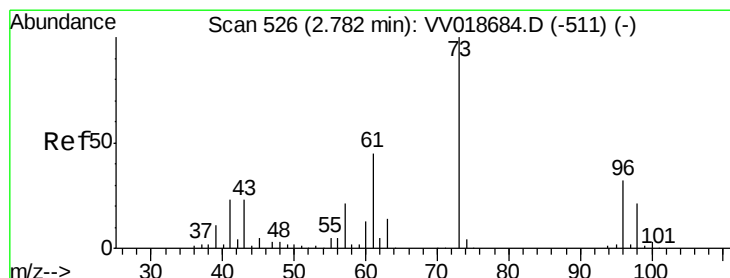
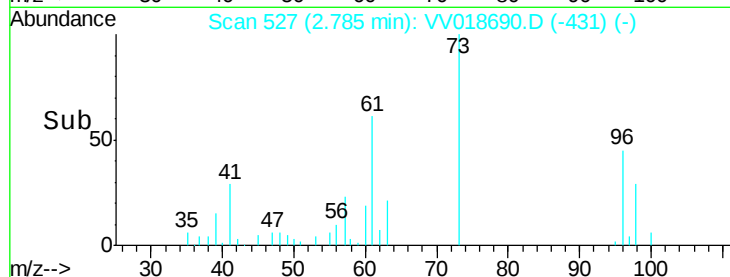
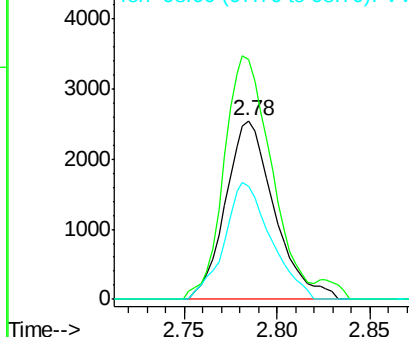
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	98.3	182.5
98	63.5	43.5	80.7

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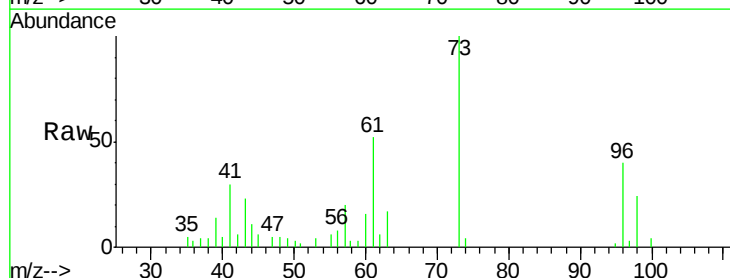


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

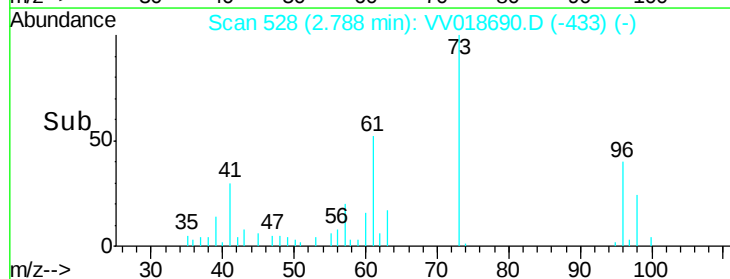
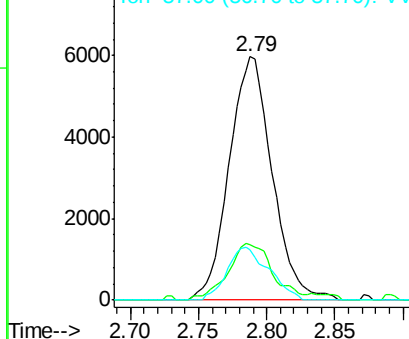


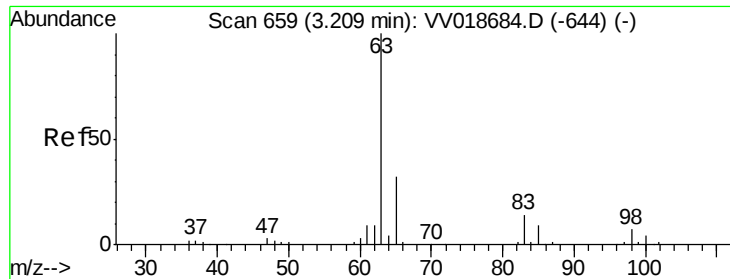
#18
Methyl tert-butyl Ether
Concen: 2.628 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.2	15.4	23.2
57	21.1	17.8	26.6



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





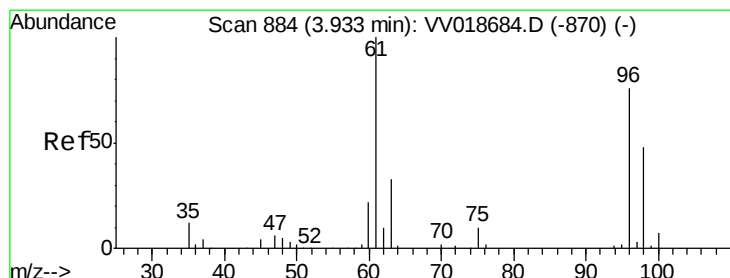
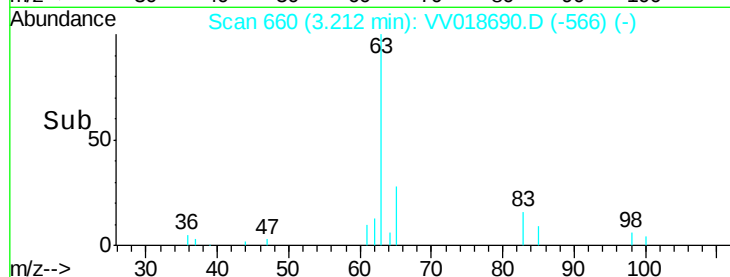
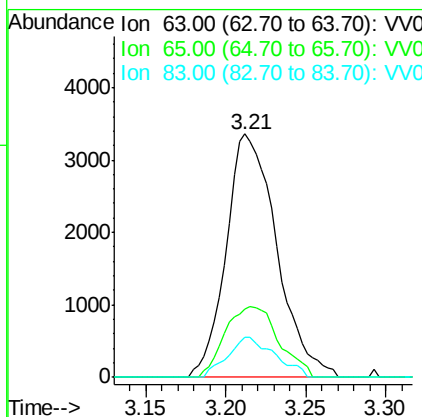
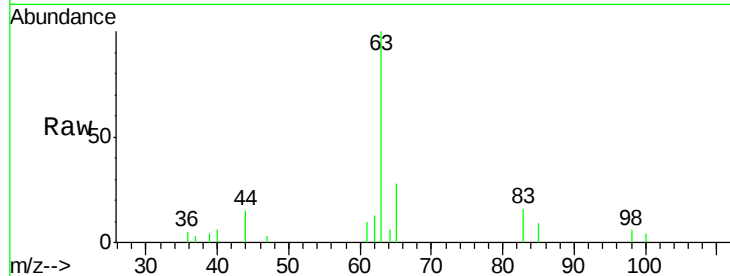
#19
1,1-Dichloroethane
Concen: 2.338 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.9	21.8	40.6
83	16.3	9.2	17.2

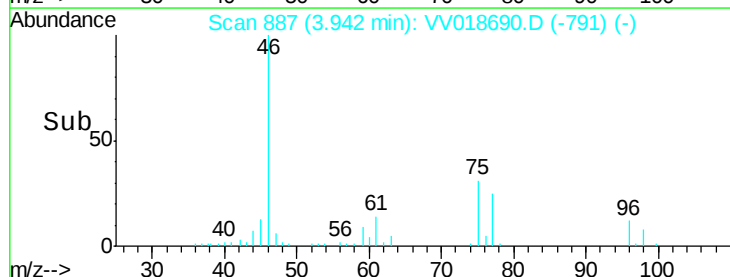
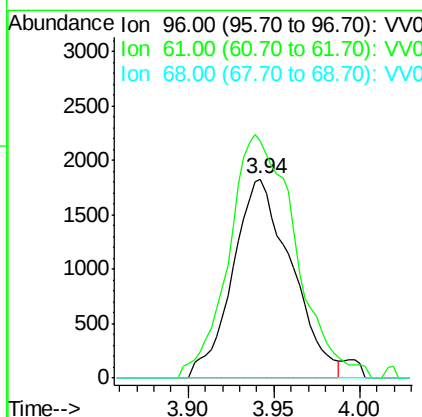
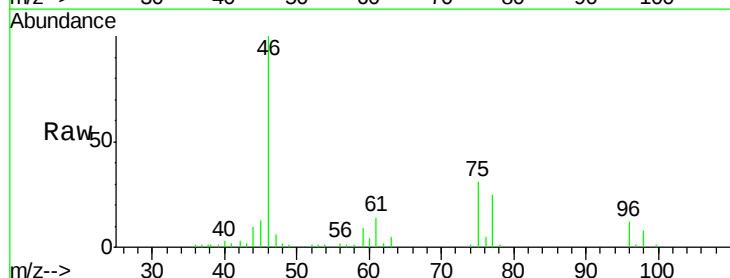
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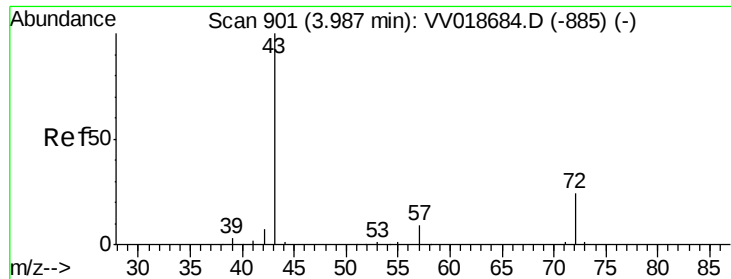
MMDadoda
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#20
cis-1,2-Dichloroethene
Concen: 2.519 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.8	90.4	167.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.237 ug/L m

RT: 4.04 min Scan# 917

Delta R.T. 0.05 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 5387

Ion Ratio Lower Upper

43 100

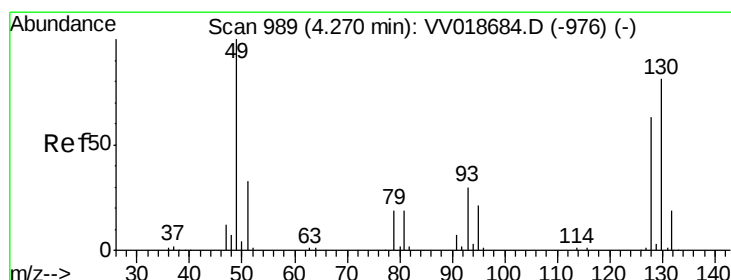
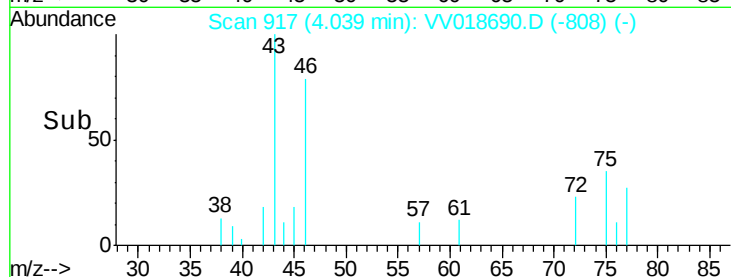
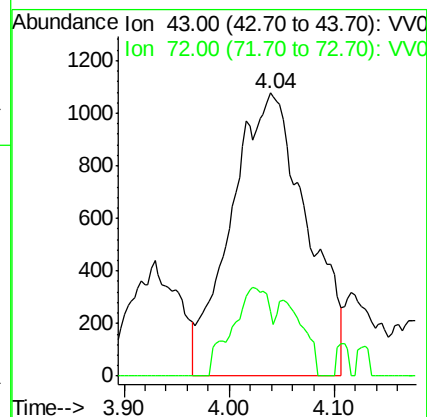
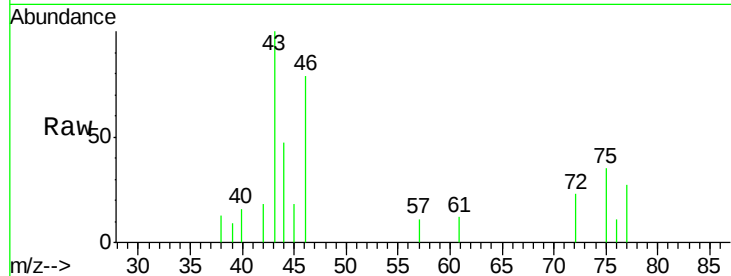
72 2.2 12.8 38.3#

Manual Integrations

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#23

Bromochloromethane

Concen: 2.433 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.02 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Tgt Ion: 128 Resp: 2248

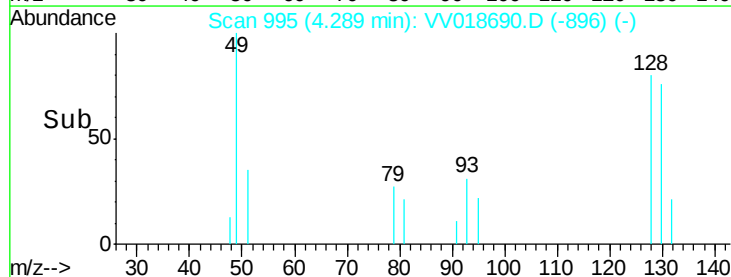
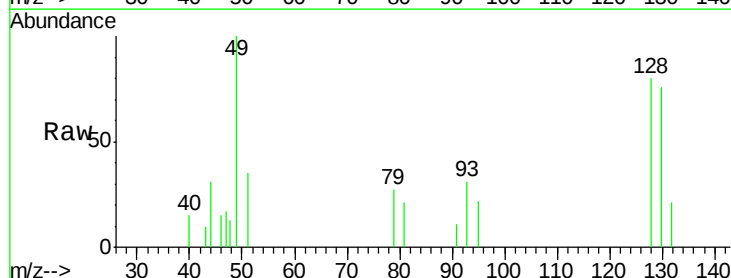
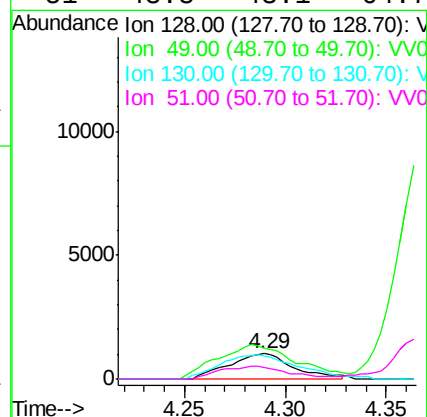
Ion Ratio Lower Upper

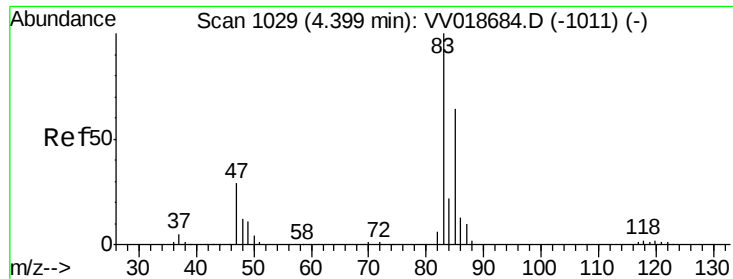
128 100

49 124.4 120.3 223.3

130 94.8 91.3 169.5

51 43.8 43.1 64.7





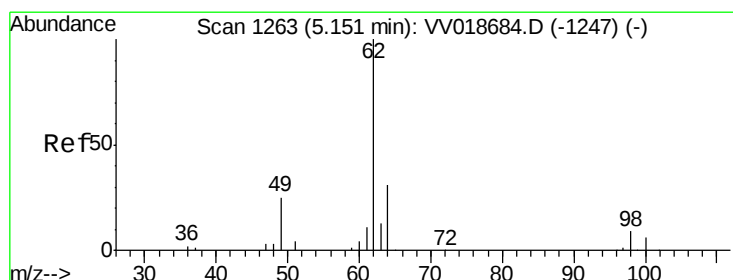
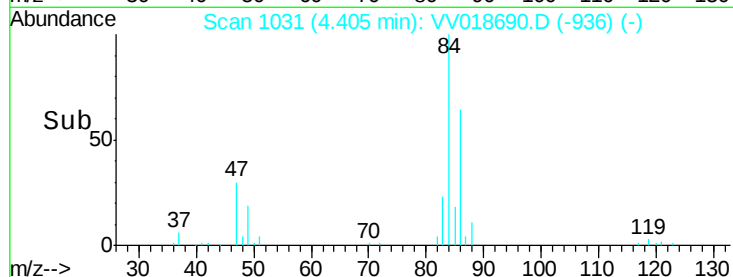
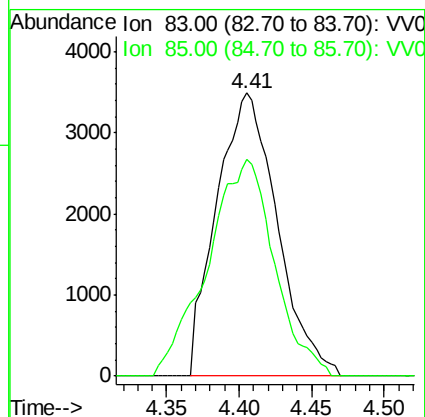
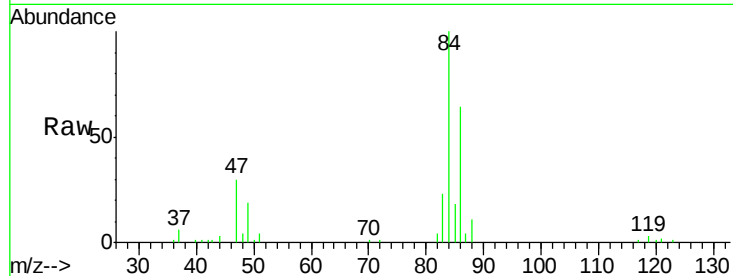
#25
Chloroform
Concen: 3.228 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 83 Resp: 10139
Ion Ratio Lower Upper
83 100
85 76.7 45.2 84.0

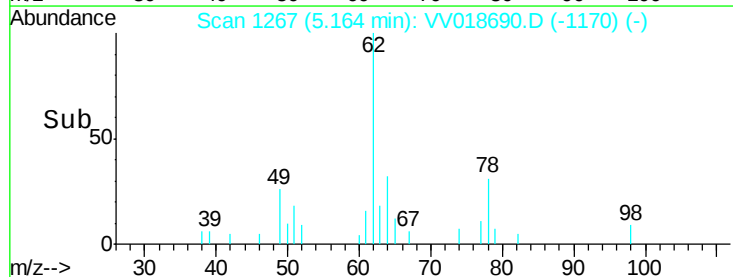
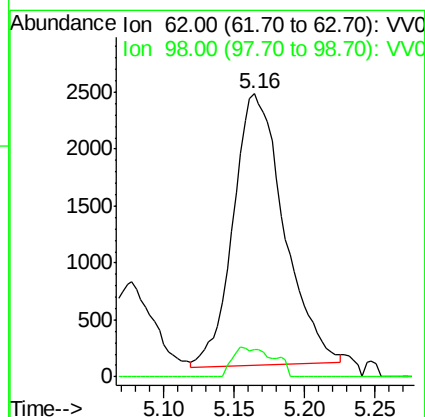
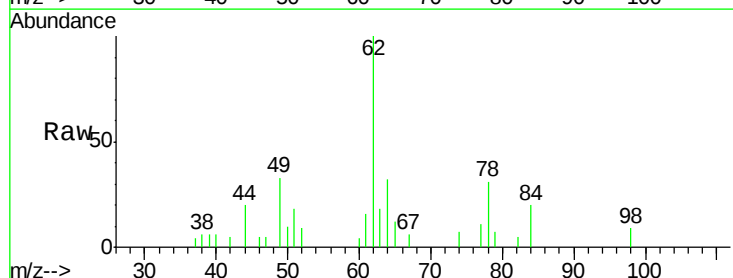
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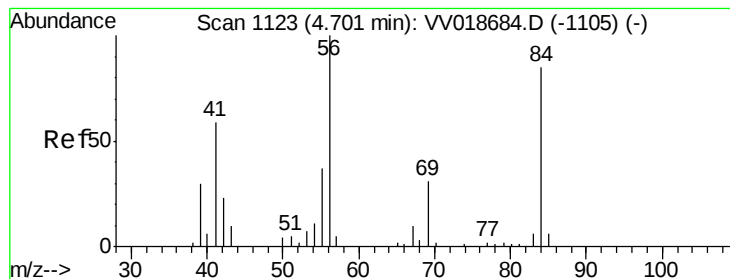
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.469 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion: 62 Resp: 6010
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2





#29

Cvclohexane

Concen: 1.936 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 56 Resp: 5546

Ion Ratio Lower Upper

56 100

69 17.8 24.4 36.6#

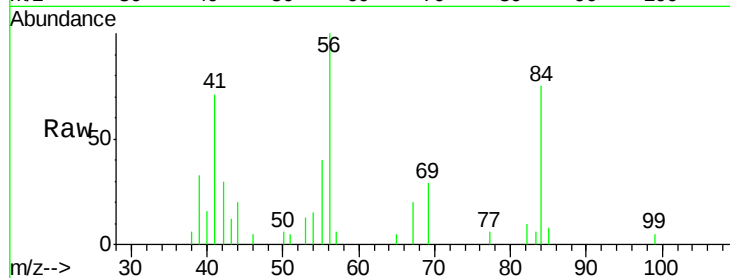
84 33.6 68.6 102.8#

Manual Integrations

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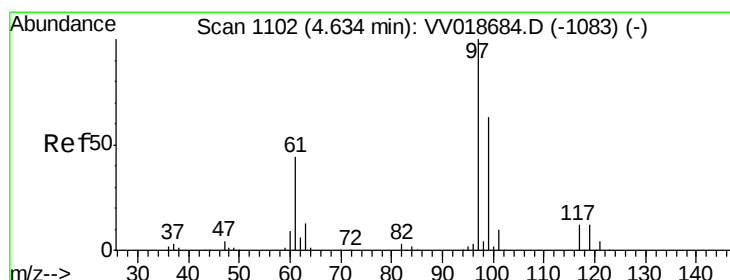
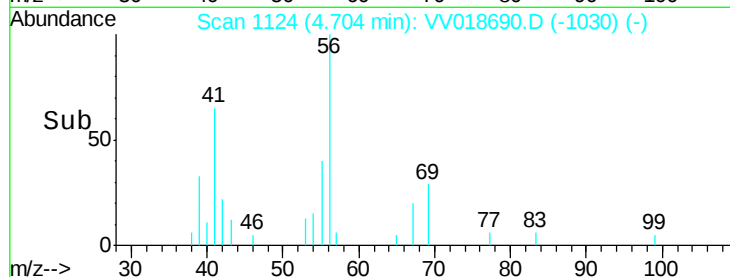
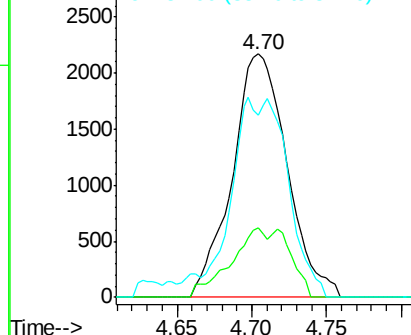


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 2.279 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

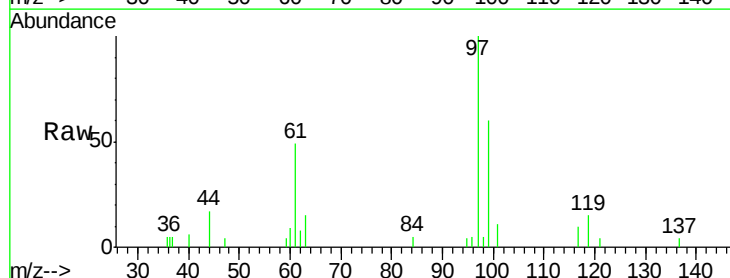
Tgt Ion: 97 Resp: 6901

Ion Ratio Lower Upper

97 100

99 64.8 50.7 76.1

61 49.7 35.0 52.6

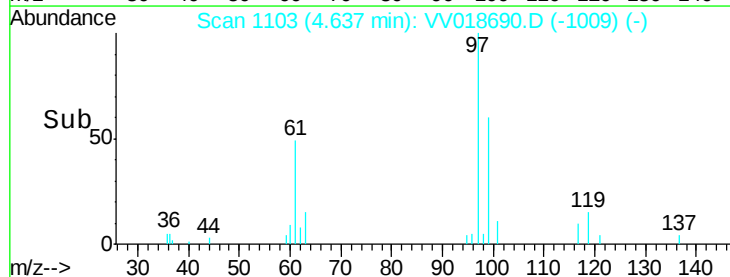
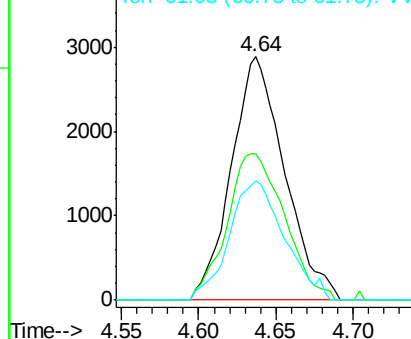


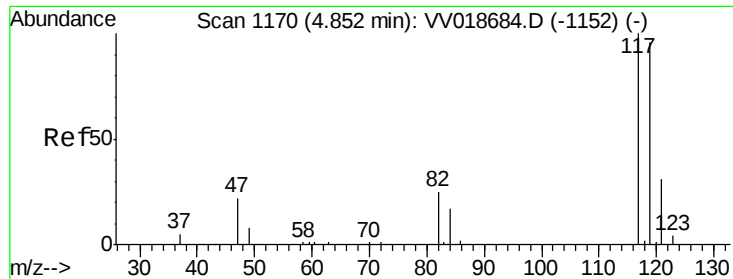
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 2.310 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion:117 Resp: 6099

Ion Ratio Lower Upper

117 100

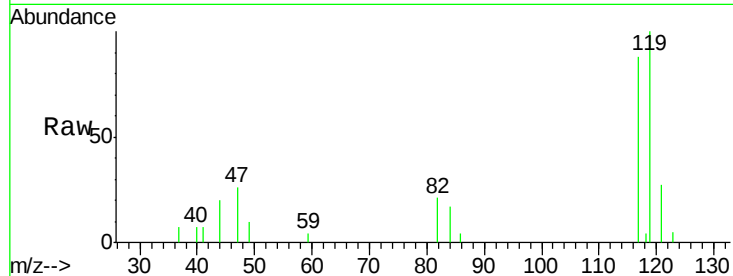
119 94.9 76.7 115.1

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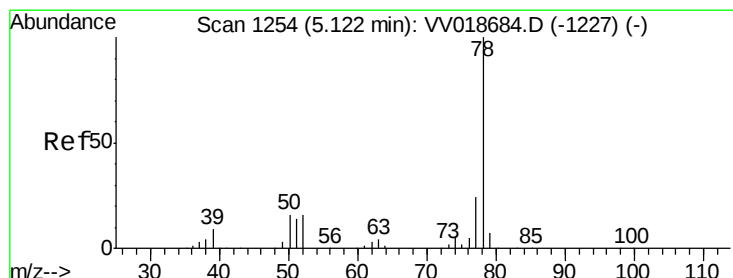
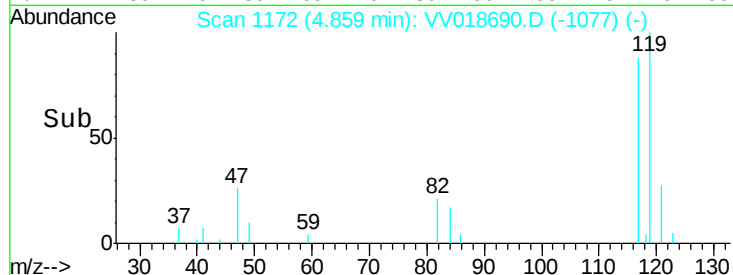
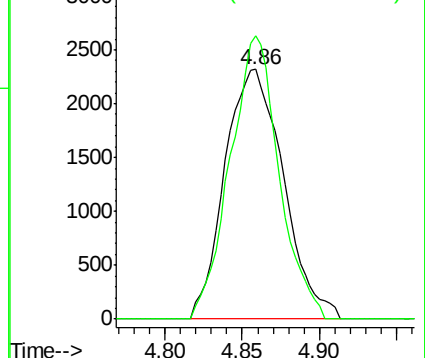
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.052 ug/L

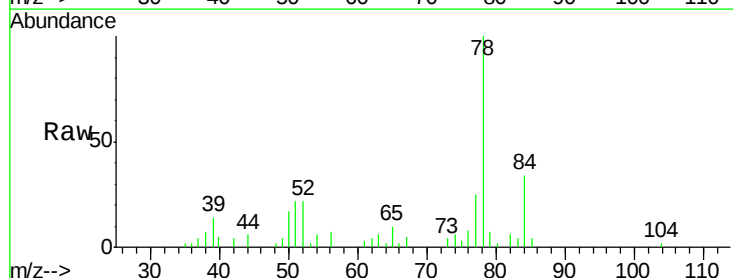
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

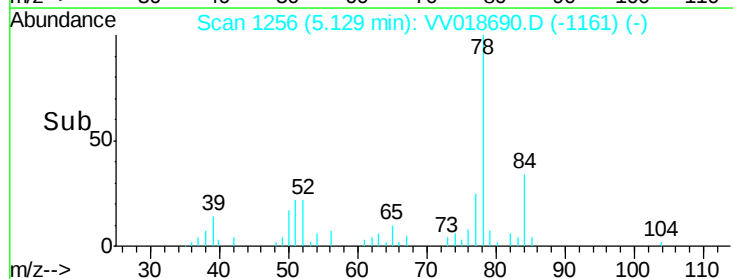
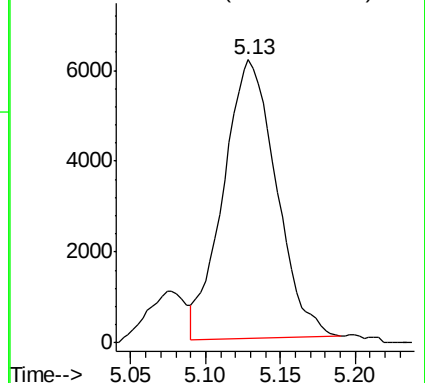
Lab File: VV018690.D

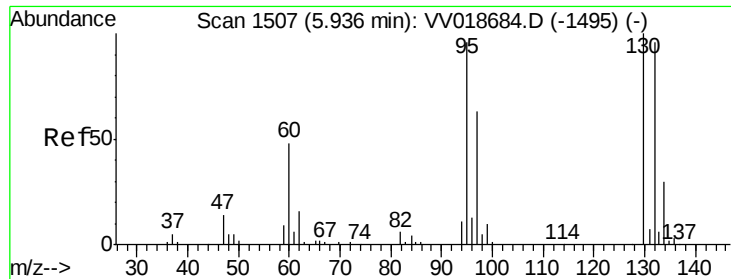
Acq: 06 Oct 2020 13:45

Tgt Ion: 78 Resp: 15127



Abundance Ion 78.00 (77.70 to 78.70): VV0





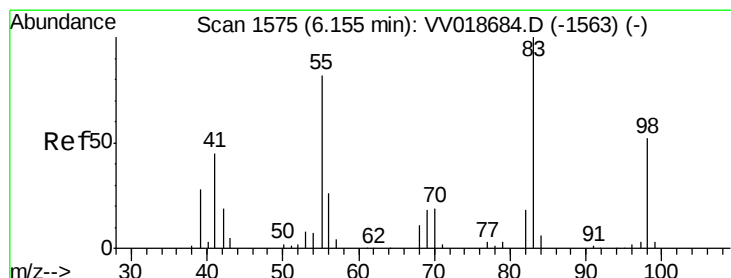
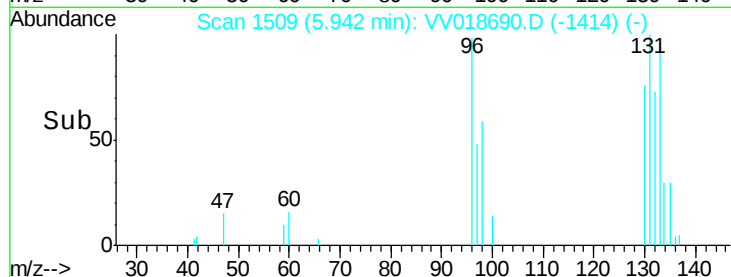
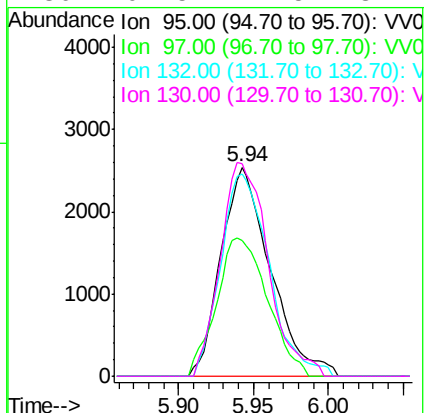
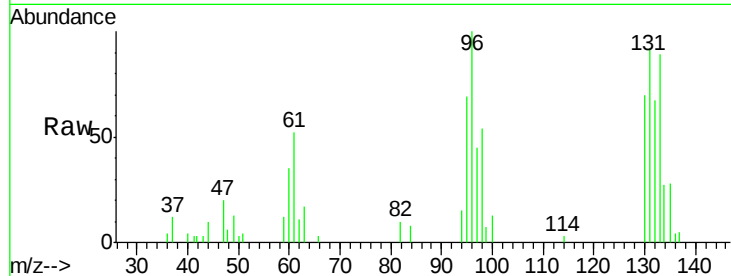
#34
 Trichloroethene
 Concen: 2.889 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	95	Resp:	5857
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.7	83.1
132	97.0	67.8	126.0
130	101.5	71.5	132.7

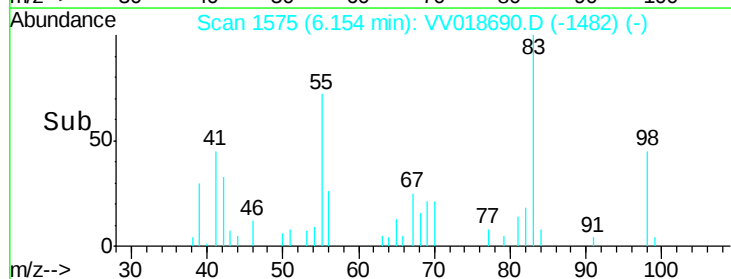
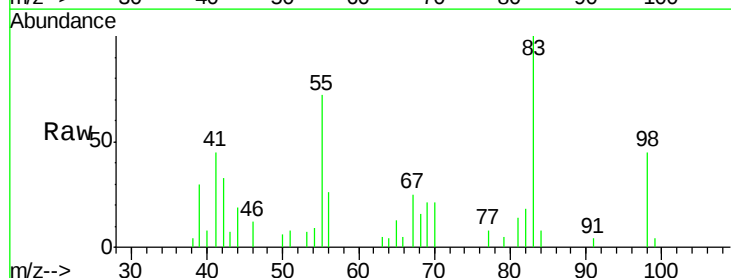
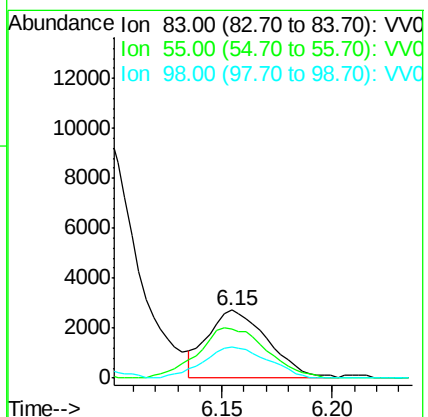
Manual Integrations
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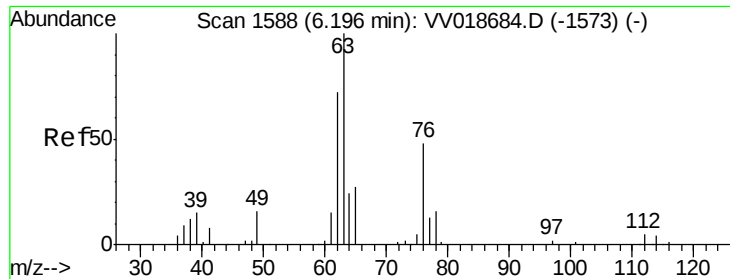
MMDadoda
 10/12/2020 2:00:55 PM



#35
 Methylcyclohexane
 Concen: 1.749 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion:	83	Resp:	5148
Ion	Ratio	Lower	Upper
83	100		
55	84.6	63.6	95.4
98	48.7	38.6	58.0





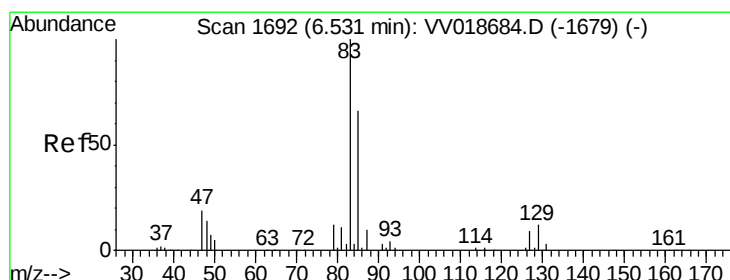
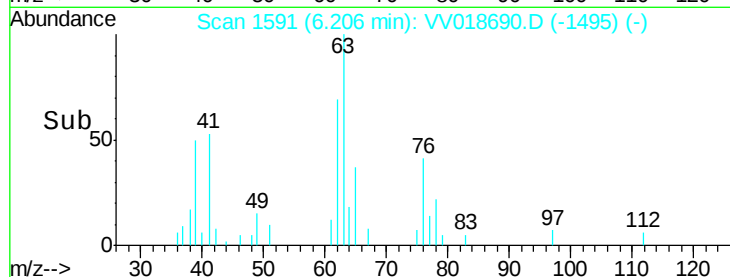
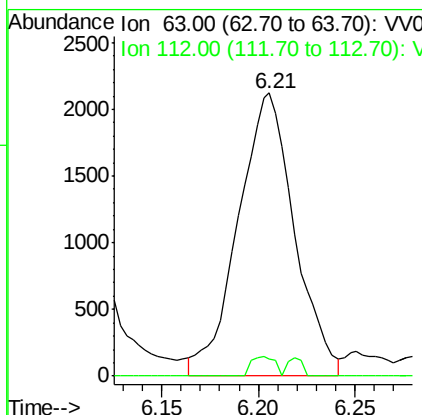
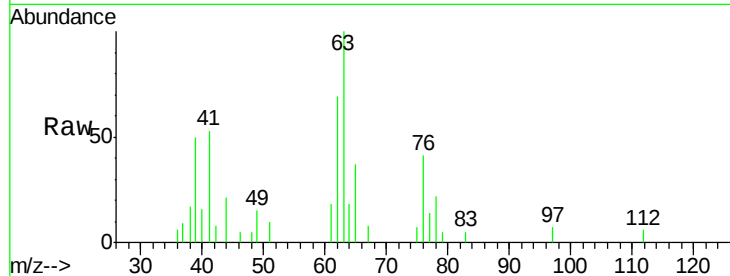
#37
 1,2-Dichloropropane
 Concen: 2.204 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 63 Resp: 4297
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.7 5.5#

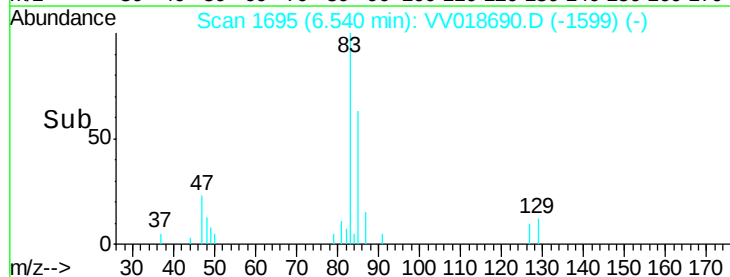
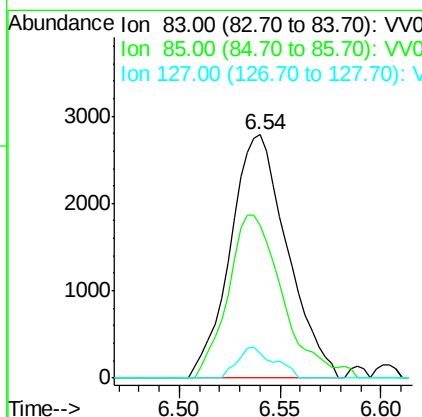
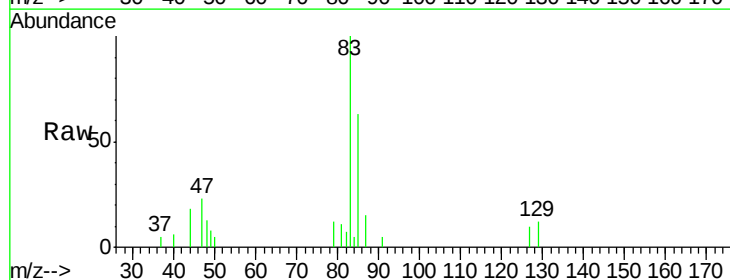
Manual Integrations
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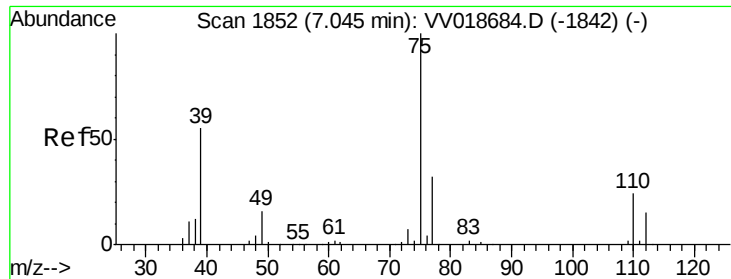
MMDadoda
 10/12/2020 2:00:55 PM



#38
 Bromodichloromethane
 Concen: 2.150 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion: 83 Resp: 5486
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.1 83.9
 127 10.2 6.8 10.2#





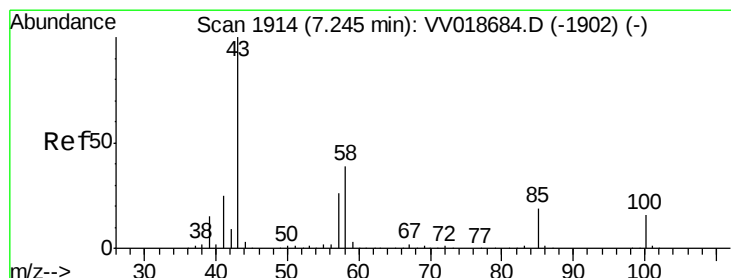
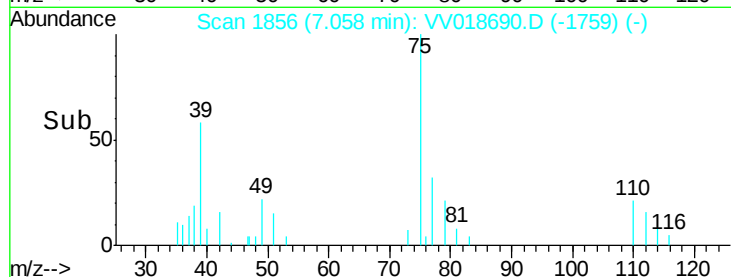
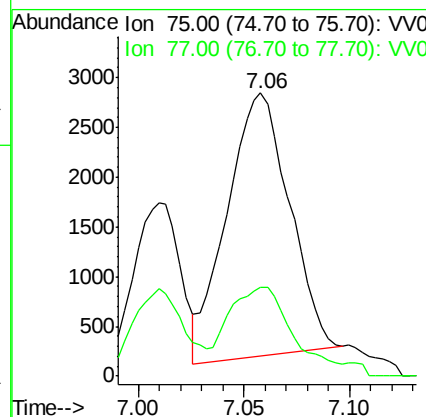
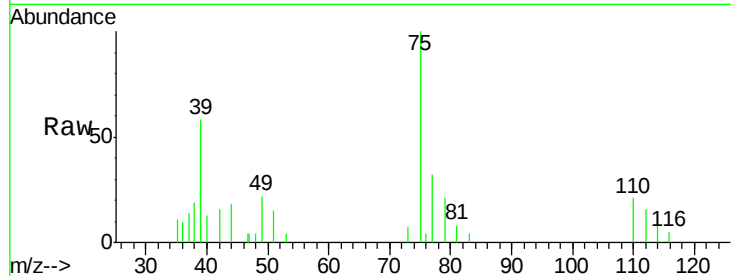
#39
 cis-1,3-Dichloropropene
 Concen: 1.865 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 5456
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.7 42.1

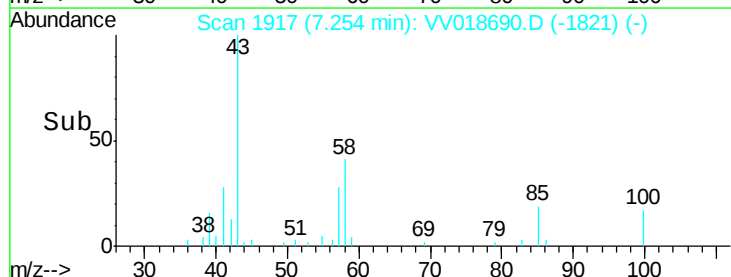
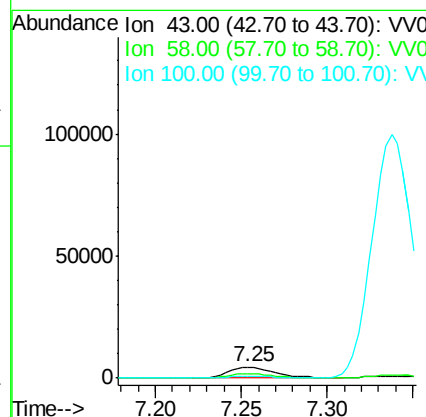
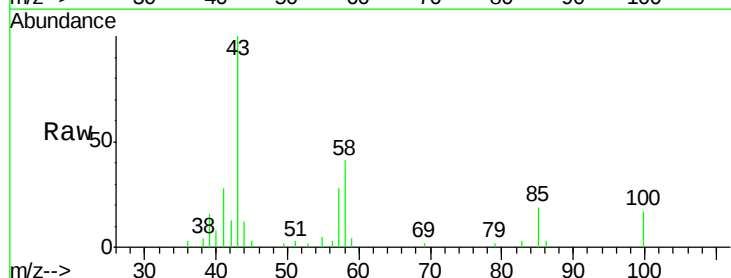
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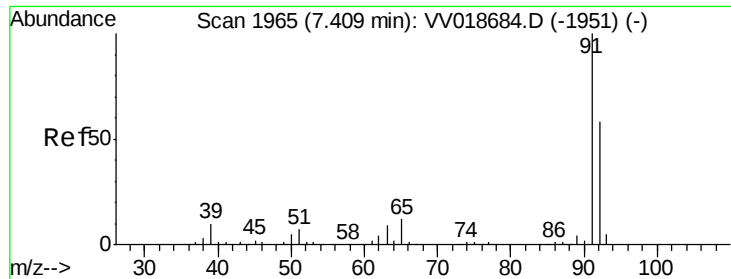
MMDadoda
 10/12/2020 2:00:55 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.744 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion: 43 Resp: 8664
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.4 48.6
 100 15.1 13.0 19.4





#42

Toluene

Concen: 2.149 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 16624

Ion Ratio Lower Upper

91 100

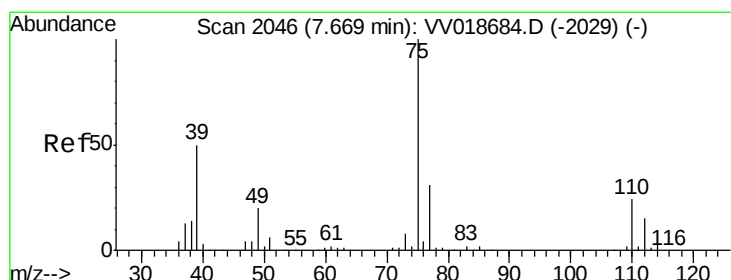
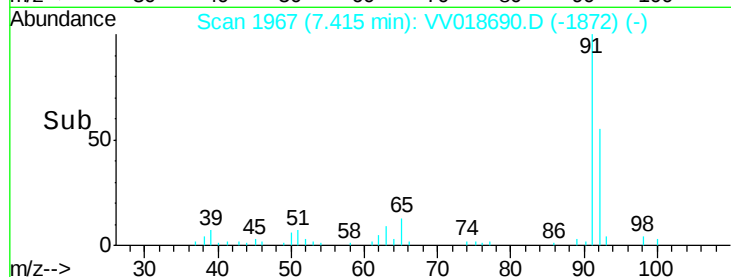
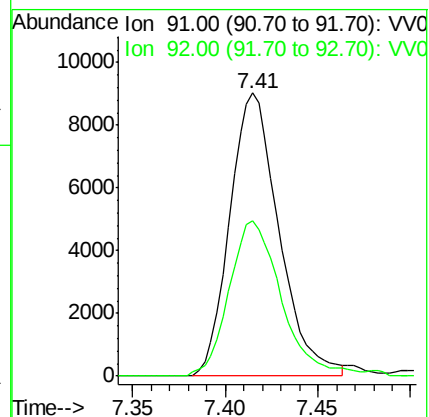
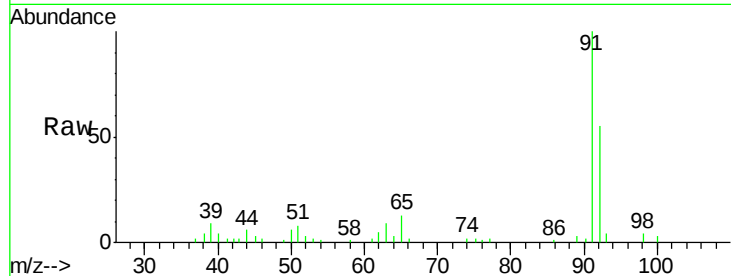
92 55.0 40.7 75.7

Manual Integrations

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MMDadoda

10/12/2020 2:00:55 PM



#44

trans-1,3-Dichloropropene

Concen: 2.302 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018690.D

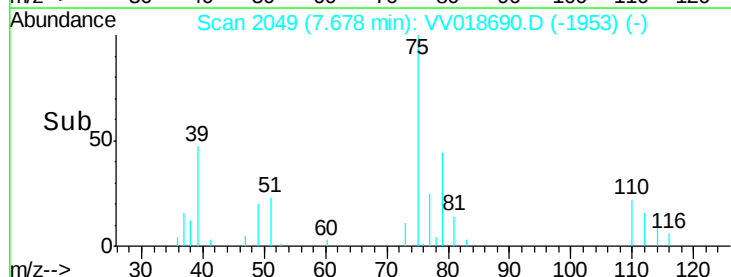
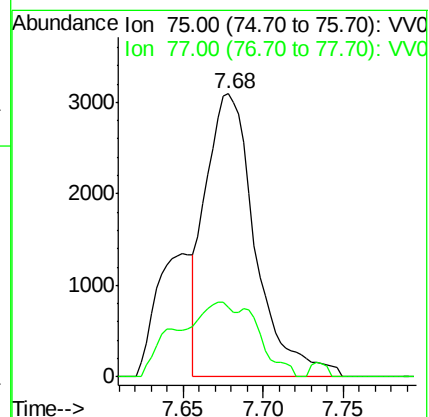
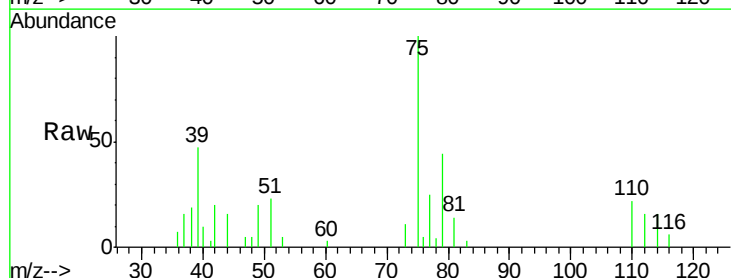
Acq: 06 Oct 2020 13:45

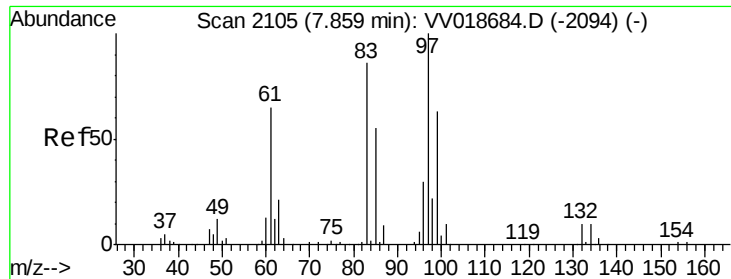
Tgt Ion: 75 Resp: 6676

Ion Ratio Lower Upper

75 100

77 24.5 21.8 40.4





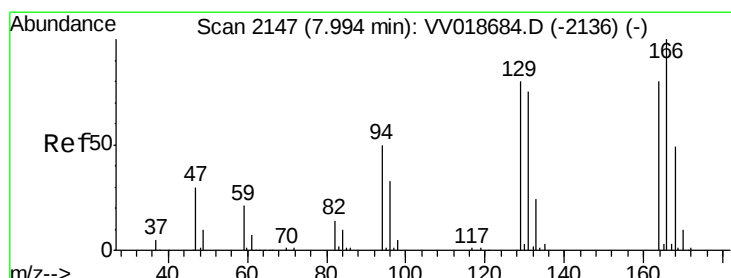
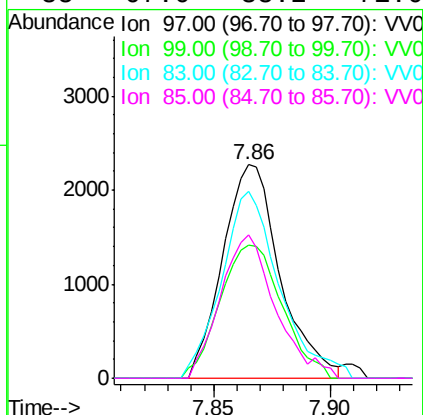
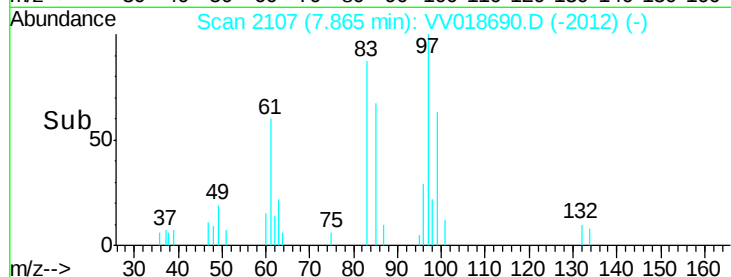
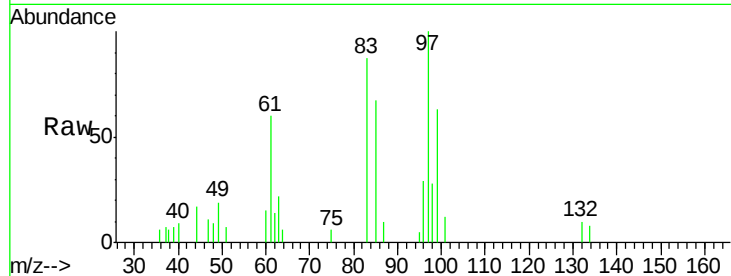
#45
1,1,2-Trichloroethane
Concen: 2.126 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:	97	Resp:	3904
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.6	82.8
83	87.3	60.5	112.5
85	67.0	38.2	71.0

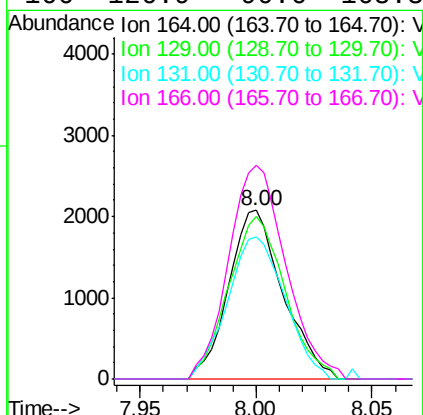
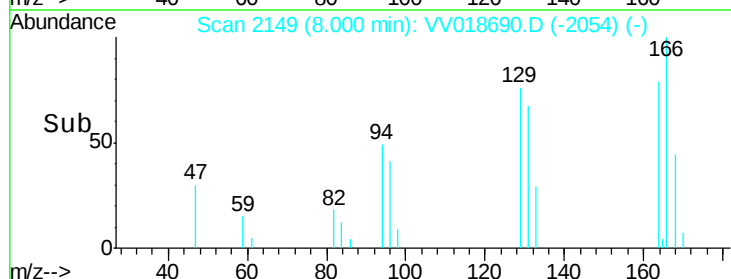
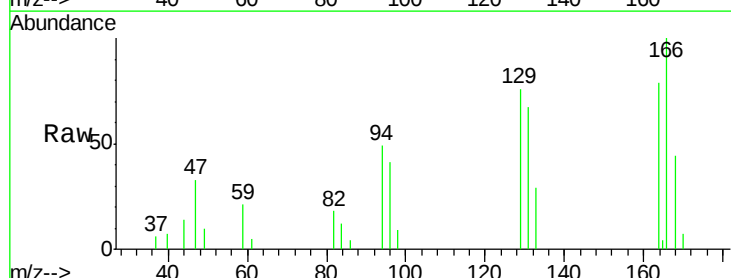
Manual Integrations
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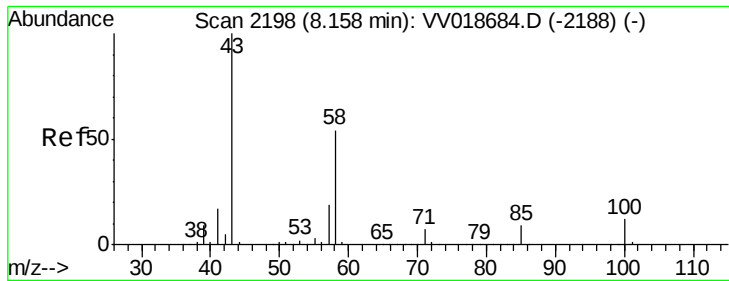
MMDadoda
10/12/2020 2:00:55 PM



#46
Tetrachloroethene
Concen: 2.134 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion:	164	Resp:	3387
Ion	Ratio	Lower	Upper
164	100		
129	96.9	63.7	118.3
131	84.8	60.6	112.6
166	126.9	90.6	168.3





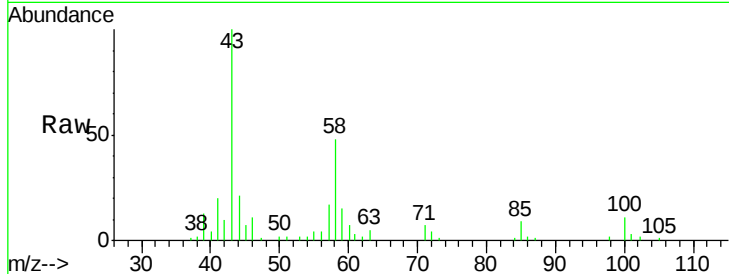
#48
2-Hexanone
Concen: 8.120 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:	43	Resp:	15924
Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.4	68.0
57	17.7	16.0	24.0
100	11.0	10.1	15.1

Manual Integrations
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MMDadoda
10/12/2020 2:00:55 PM

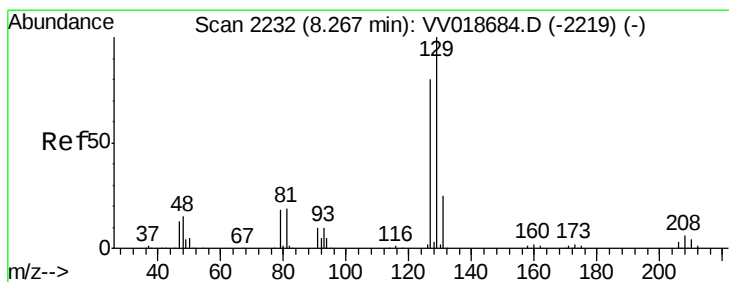
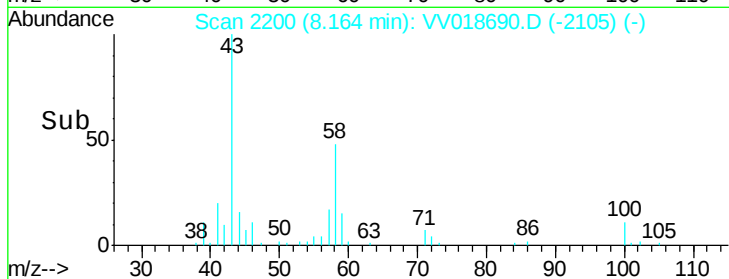
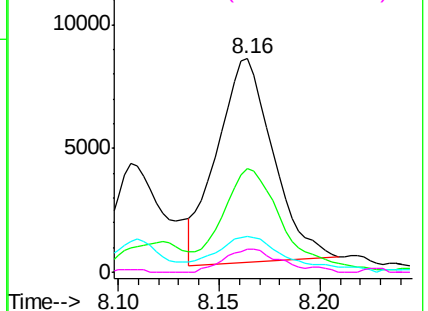


Abundance Ion 43.00 (42.70 to 43.70): VV018690.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV018690.D (-2105) (-)

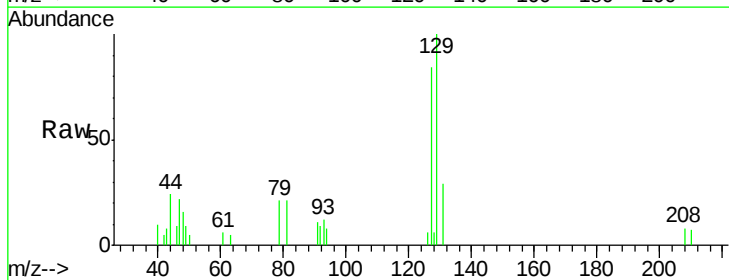
Ion 57.00 (56.70 to 57.70): VV018690.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV018690.D (-2105) (-)



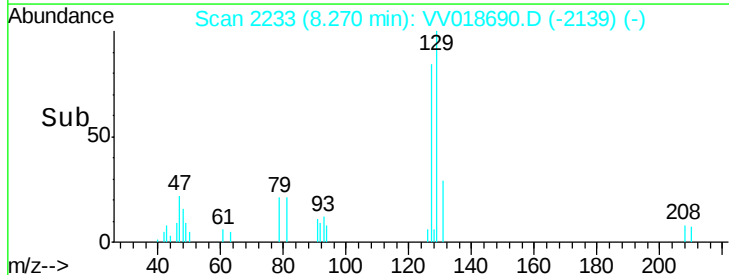
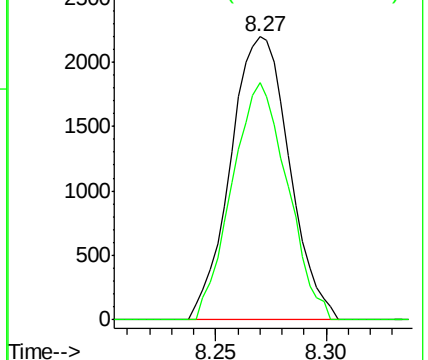
#49
Dibromochloromethane
Concen: 1.991 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

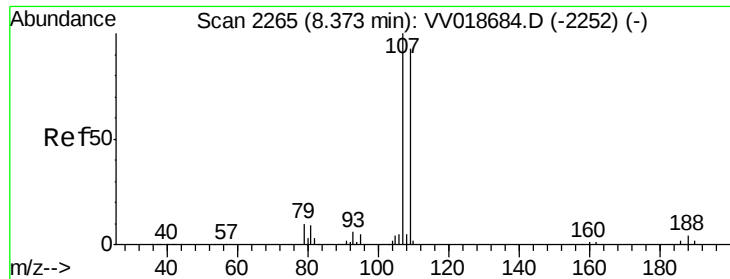
Tgt Ion:	129	Resp:	4070
Ion	Ratio	Lower	Upper
129	100		
127	83.8	53.5	99.5



Abundance Ion 129.00 (128.70 to 129.70): VV018690.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV018690.D (-2139) (-)





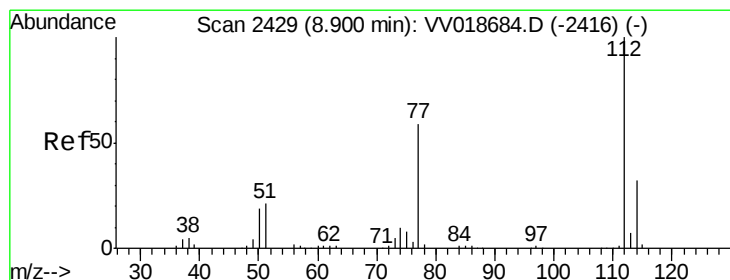
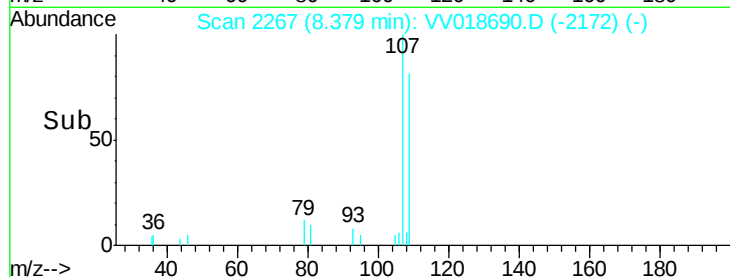
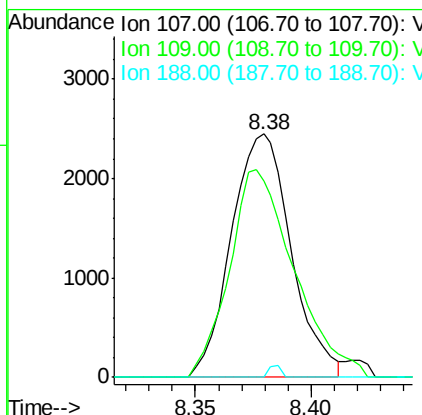
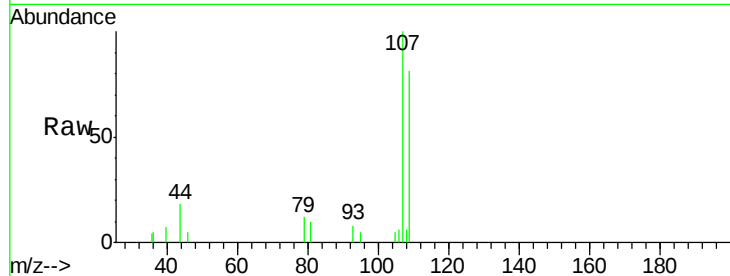
#50
1,2-Dibromoethane
Concen: 2.294 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	80.7	64.9	120.5
188	0.0	3.4	5.0#

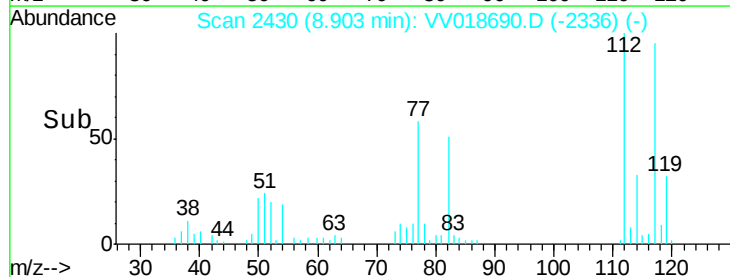
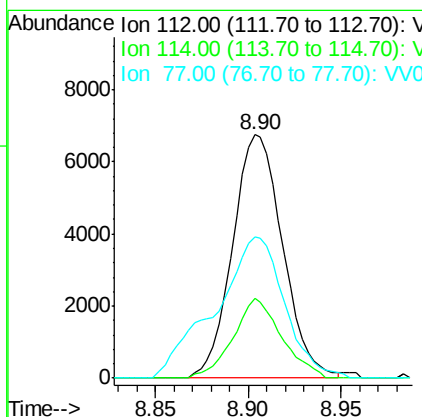
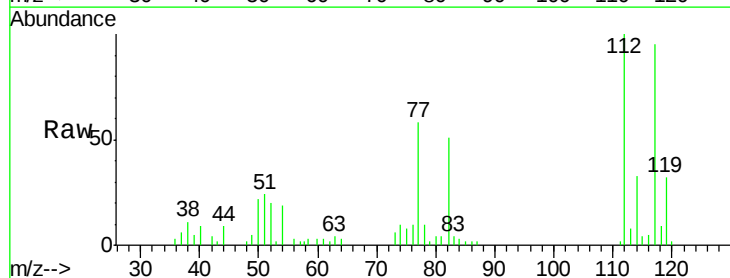
Manual Integrations
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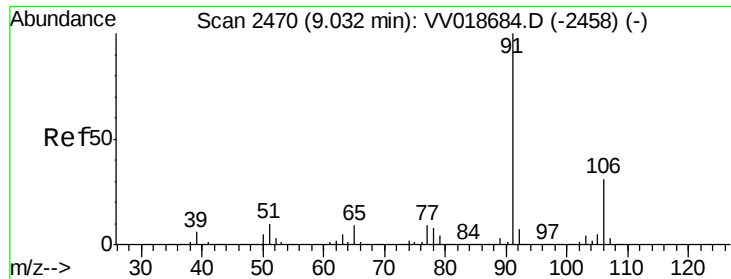
MMDadoda
10/12/2020 2:00:55 PM



#51
Chlorobenzene
Concen: 2.450 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.2	41.2
77	57.8	47.4	71.2





#52

Ethylbenzene

Concen: 2.224 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleID :

MDL04

Tot Ion: 91 Resp: 18930

Ion Ratio Lower Upper

91 100

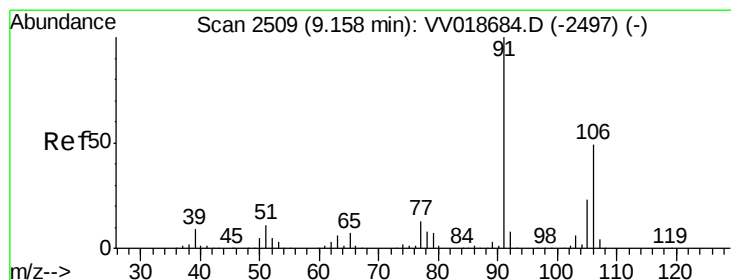
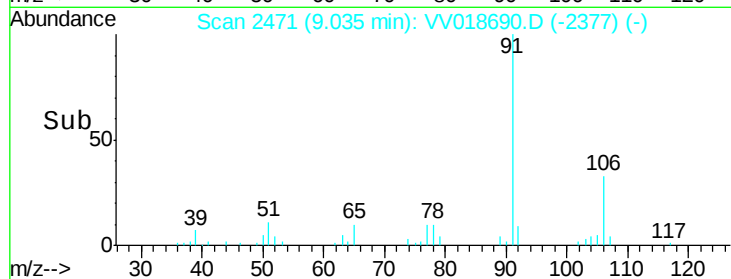
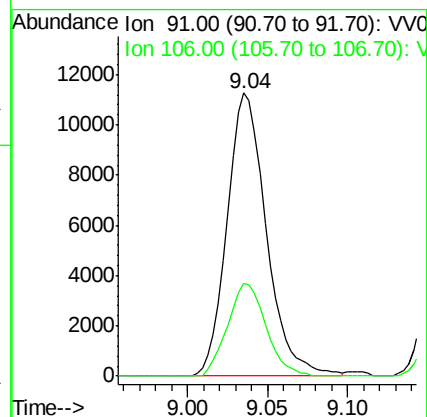
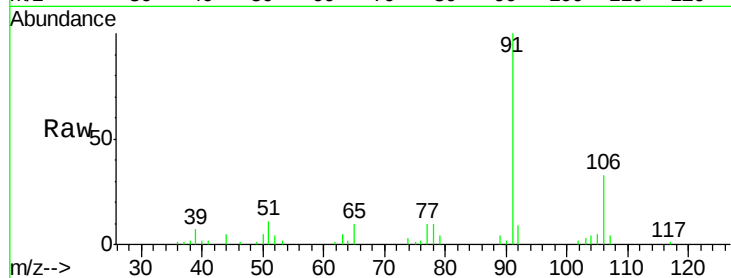
106 32.8 21.4 39.8

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10/12/2020 2:00:55 PM



#53

m,p-Xylene

Concen: 2.067 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018690.D

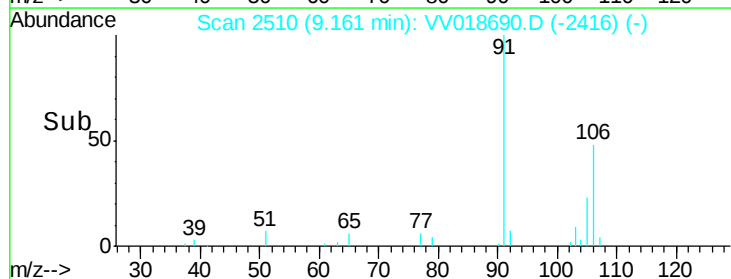
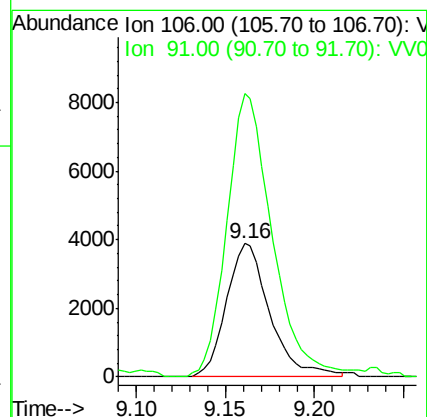
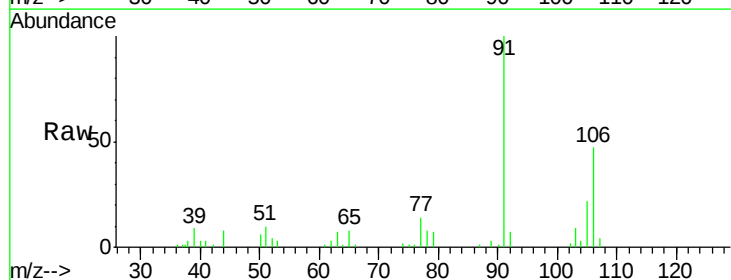
Acq: 06 Oct 2020 13:45

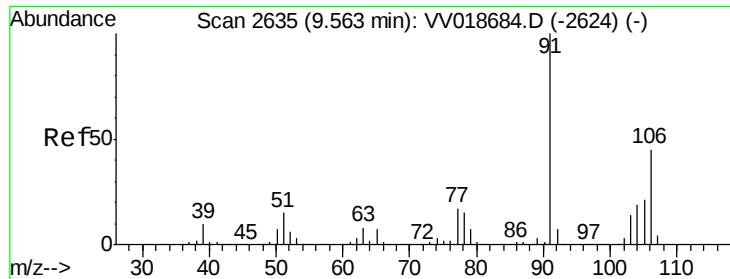
Tgt Ion: 106 Resp: 6571

Ion Ratio Lower Upper

106 100

91 212.7 143.4 266.4





#54

o-Xylene

Concen: 2.190 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion:106 Resp: 6706

Ion Ratio Lower Upper

106 100

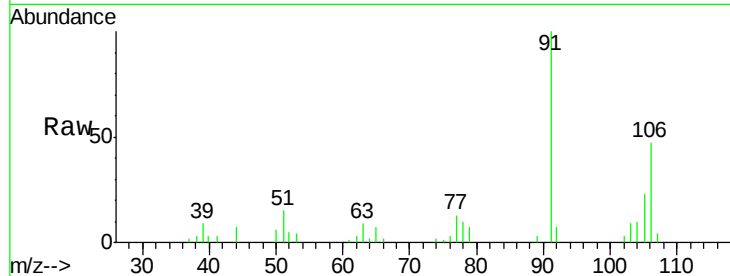
91 211.9 154.7 287.3

Manual Integrations

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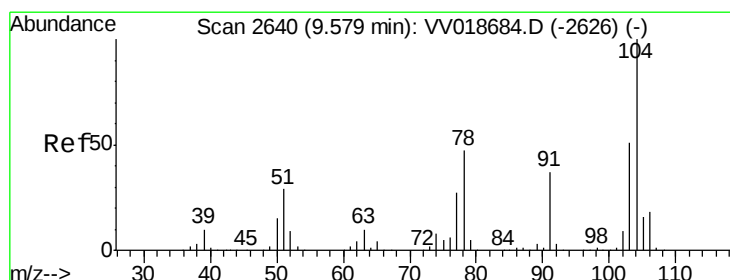
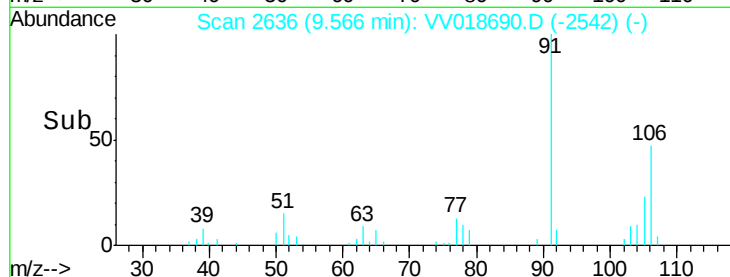
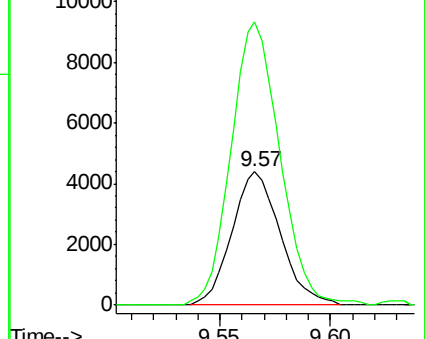
MMDadoda

10/12/2020 2:00:55 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.997 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV018690.D

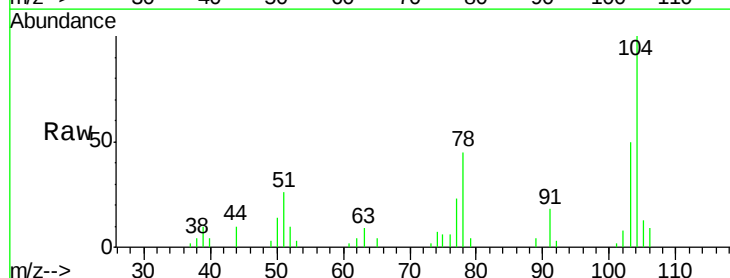
Acq: 06 Oct 2020 13:45

Tgt Ion:104 Resp: 10700

Ion Ratio Lower Upper

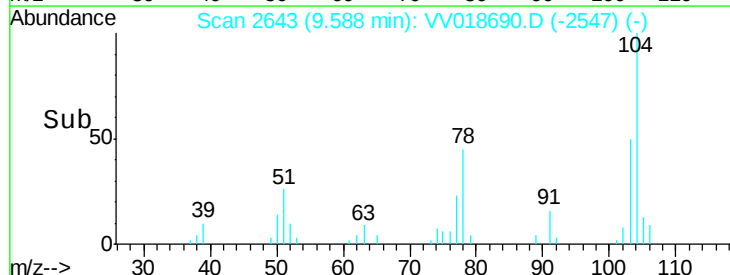
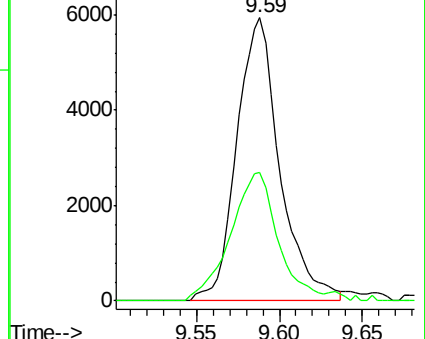
104 100

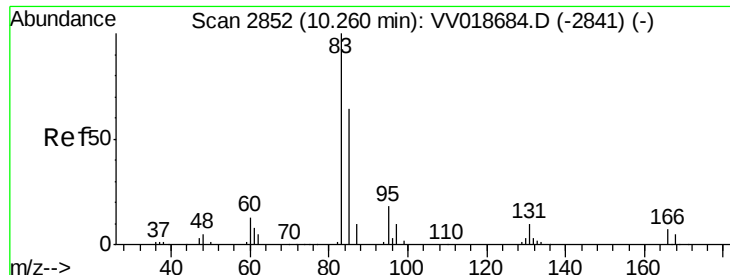
78 45.4 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





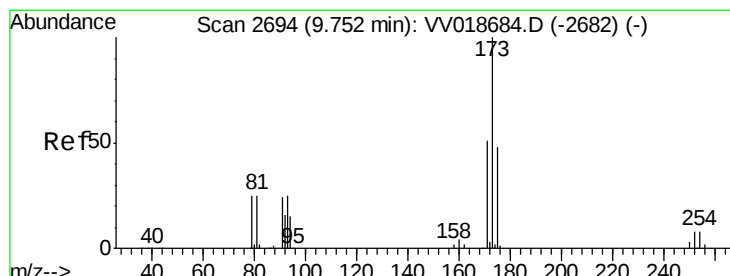
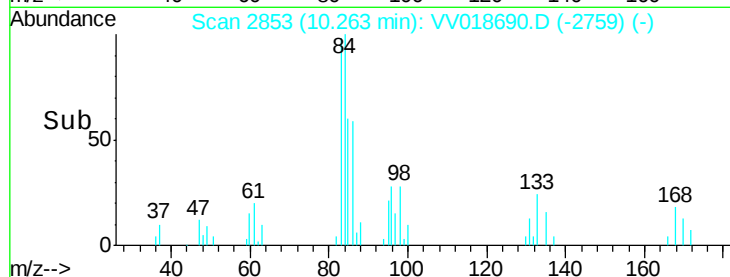
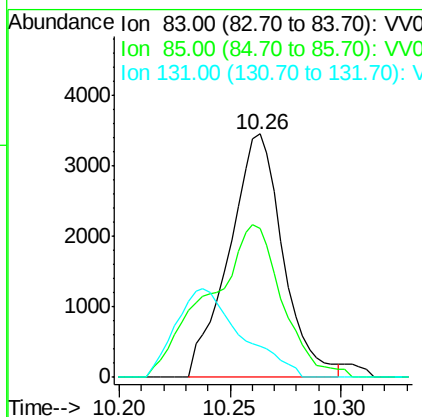
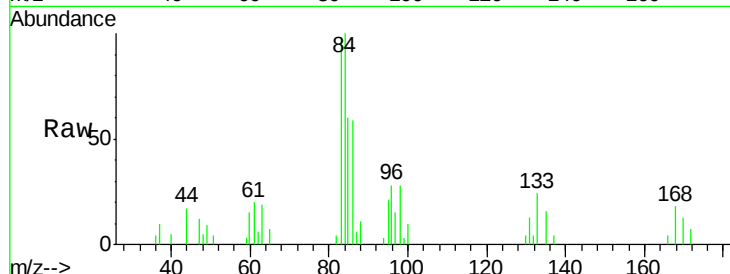
#57
1,1,2,2-Tetrachloroethane
Concen: 2.182 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.1	44.4	82.5
131	13.0	7.8	11.6#

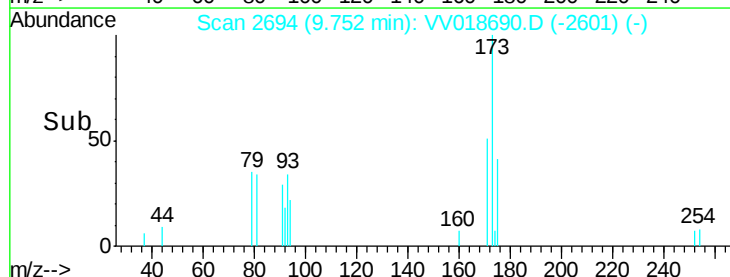
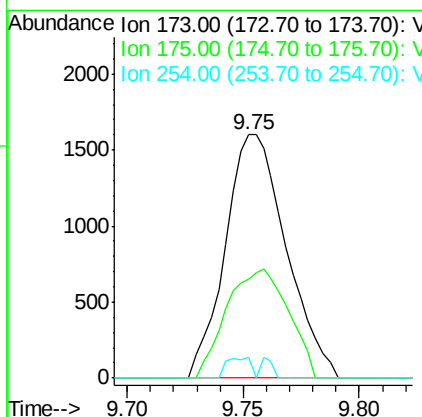
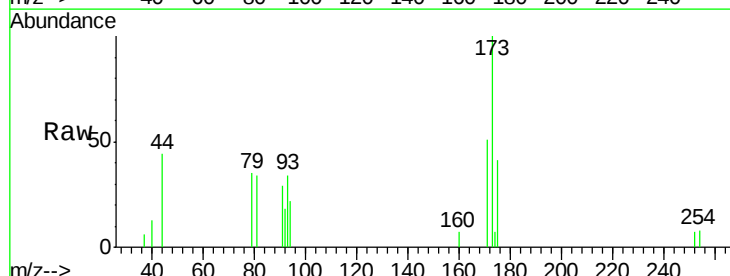
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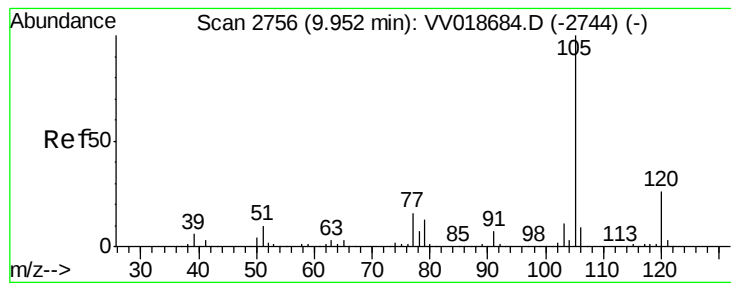
MMDadoda
10/12/2020 2:00:55 PM



#59
Bromoform
Concen: 2.414 ug/L
RT: 9.75 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.4	59.2#
254	0.9	8.7	13.1#





#60

Isopropylbenzene

Concen: 2.436 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

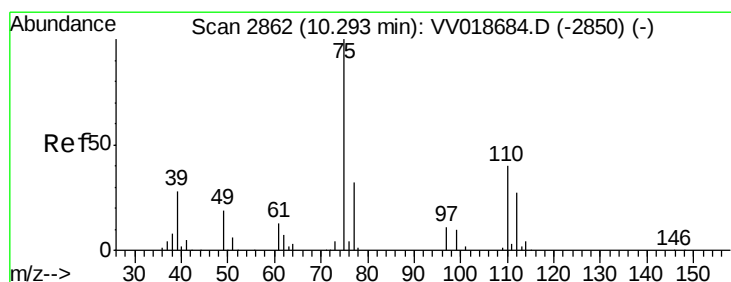
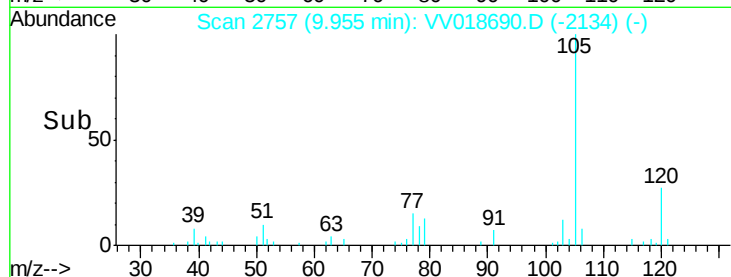
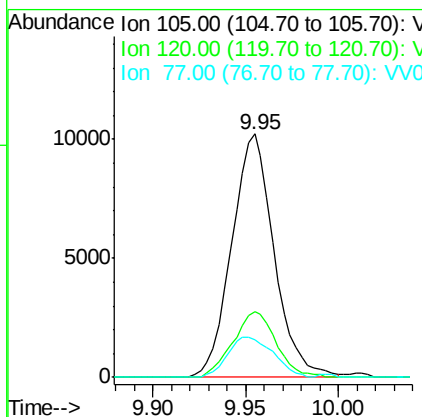
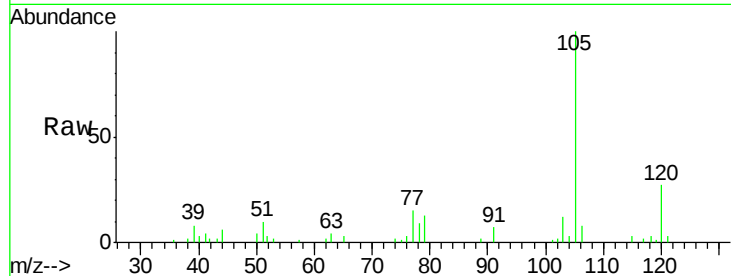
ClientSampleId :

MDL04

Tot Ion:	105	Resp:	16234
Ion Ratio	Lower	Upper	
105	100		
120	27.5	20.8	31.2
77	17.9	12.8	19.2

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#61

1,2,3-Trichloropropane

Concen: 2.730 ug/L

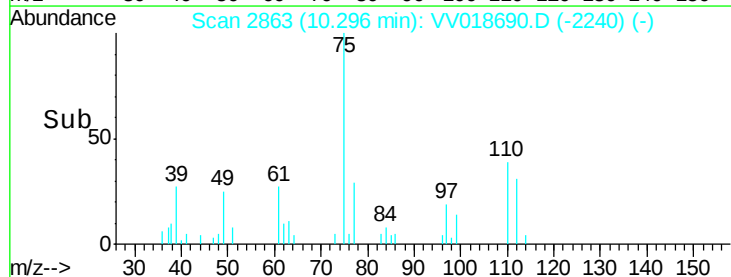
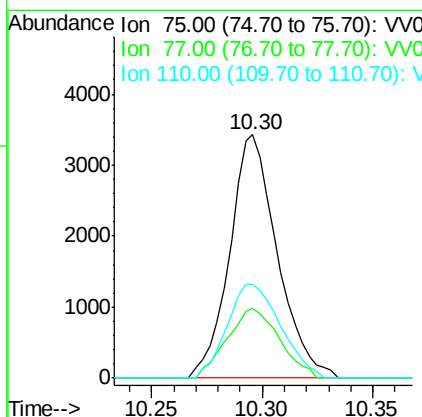
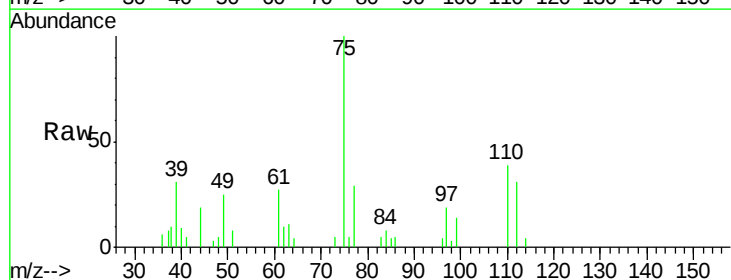
RT: 10.30 min Scan# 2863

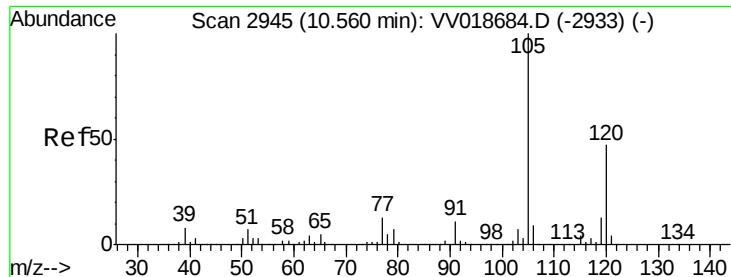
Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Tgt Ion:	75	Resp:	5123
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.8	38.8
110	43.3	31.5	47.3





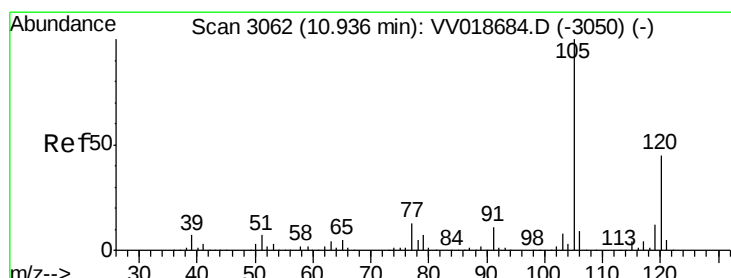
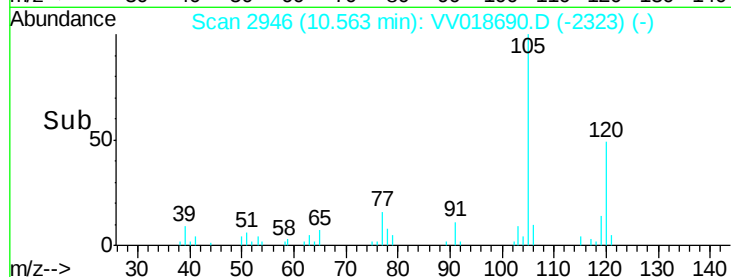
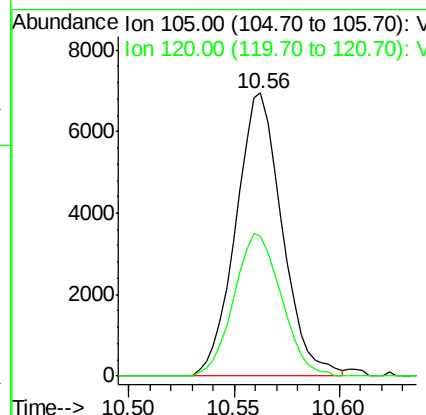
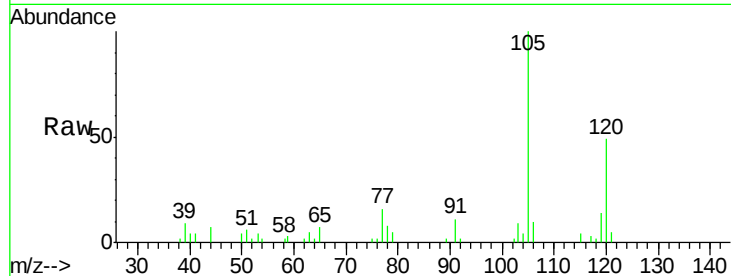
#62
 1,3,5-Trimethylbenzene
 Concen: 1.964 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion:105 Resp: 10596
 Ion Ratio Lower Upper
 105 100
 120 51.4 39.1 58.7

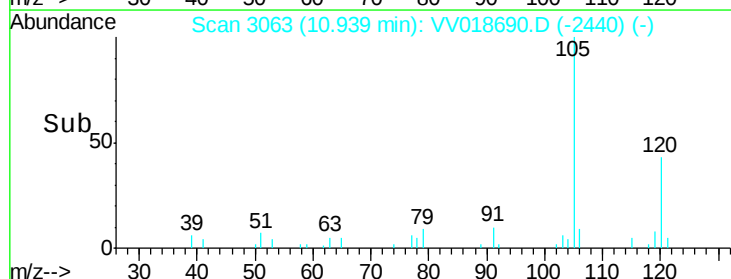
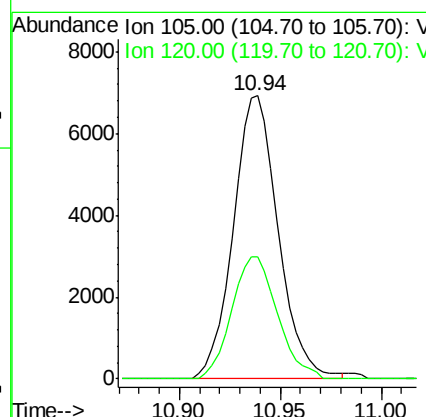
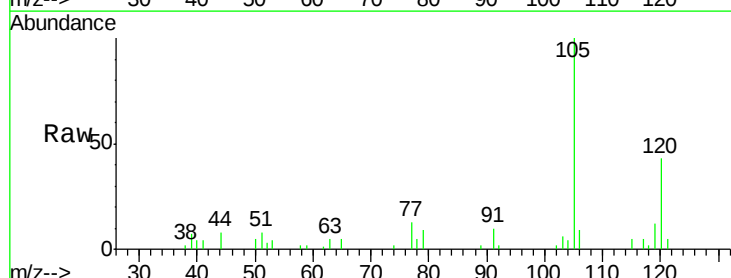
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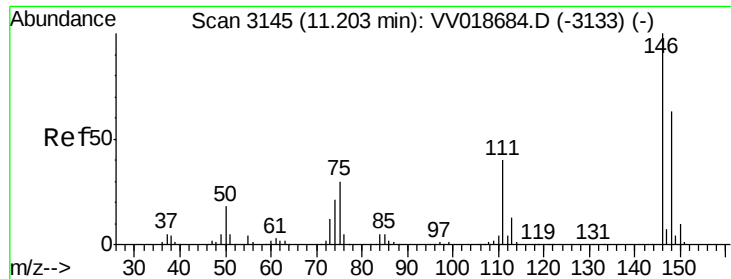
MMDadoda
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.951 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion:105 Resp: 10806
 Ion Ratio Lower Upper
 105 100
 120 43.7 36.2 54.2





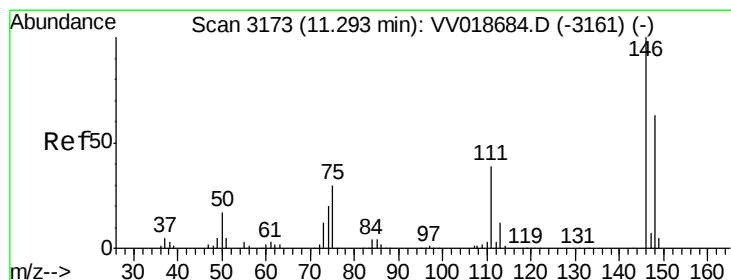
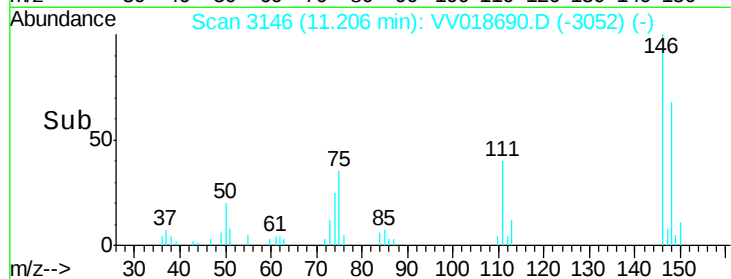
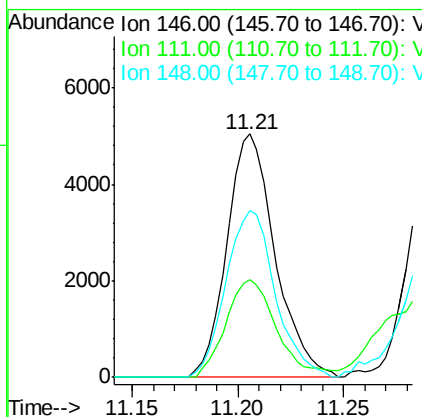
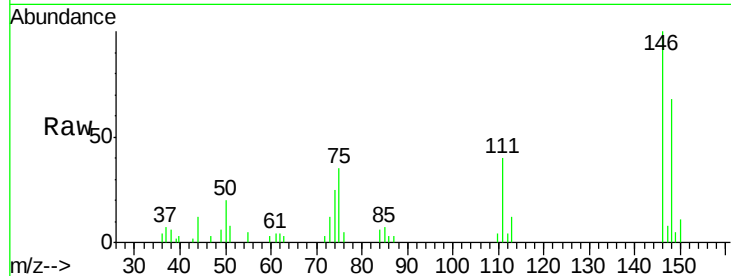
#64
 1,3-Dichlorobenzene
 Concen: 2.361 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	27.6	51.4
148	68.4	44.2	82.2

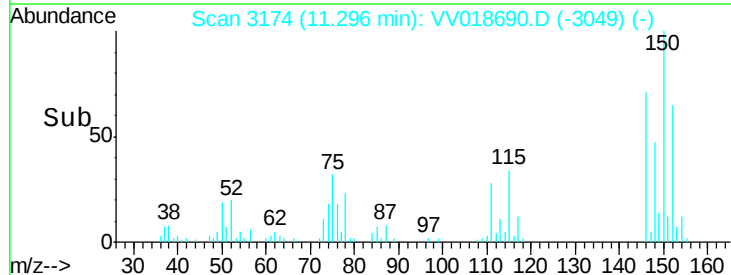
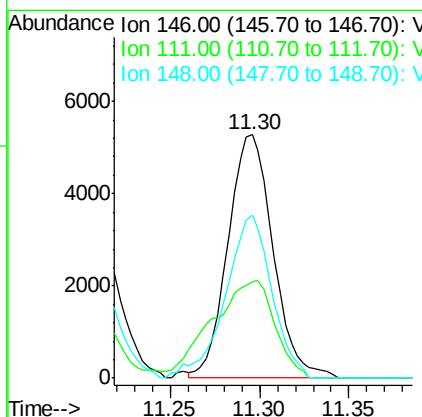
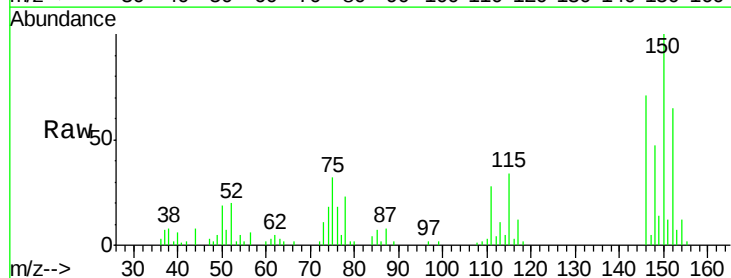
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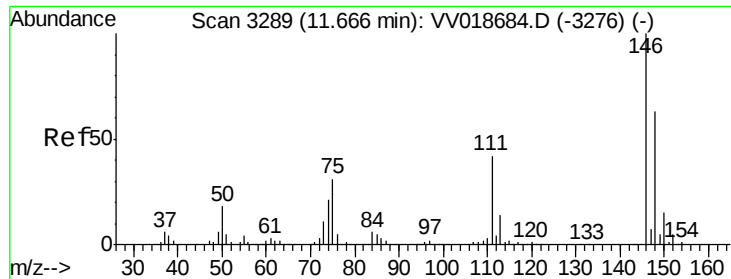
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#65
 1,4-Dichlorobenzene
 Concen: 2.626 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	26.6	49.4
148	66.8	44.3	82.3





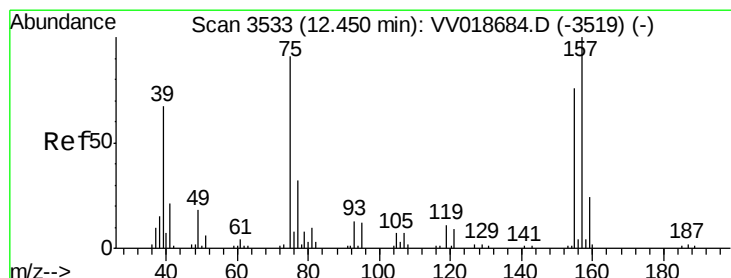
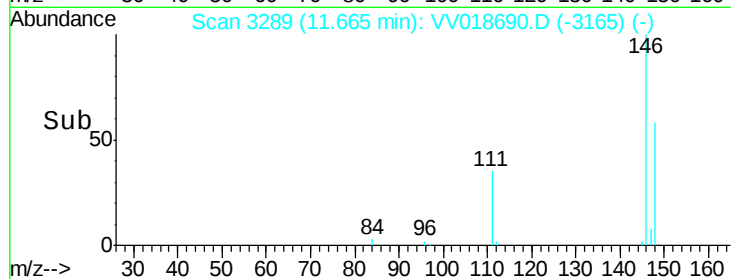
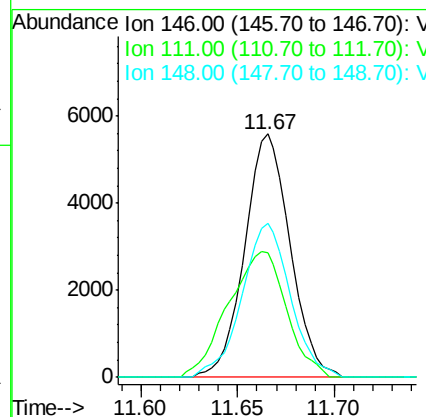
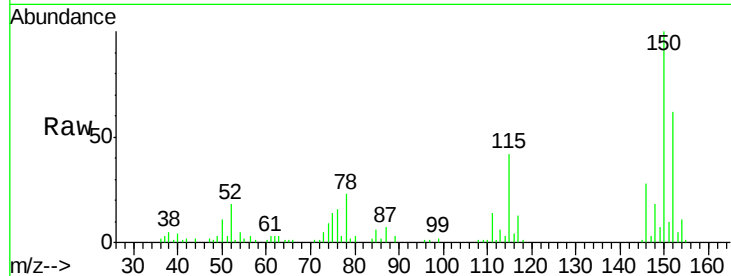
#67
 1,2-Dichlorobenzene
 Concen: 2.682 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.2	32.6	49.0#
148	63.4	51.0	76.6

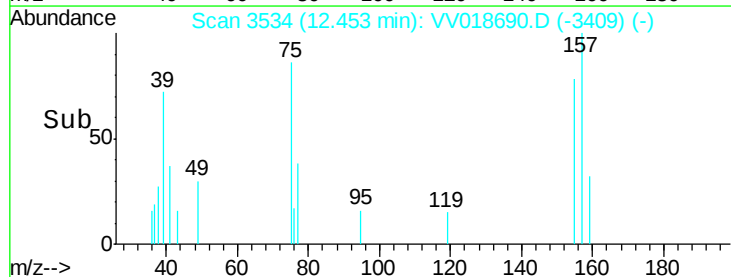
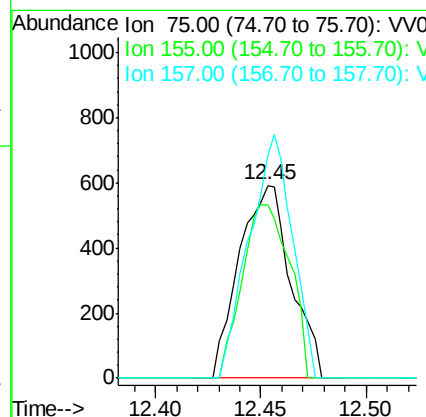
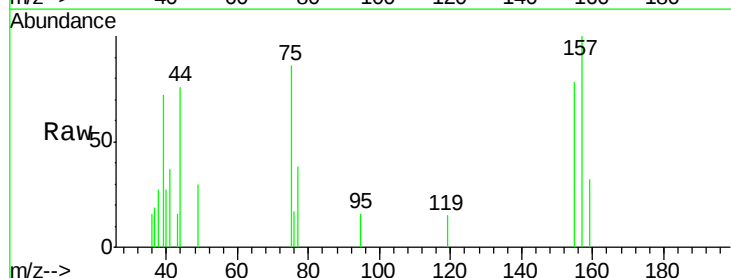
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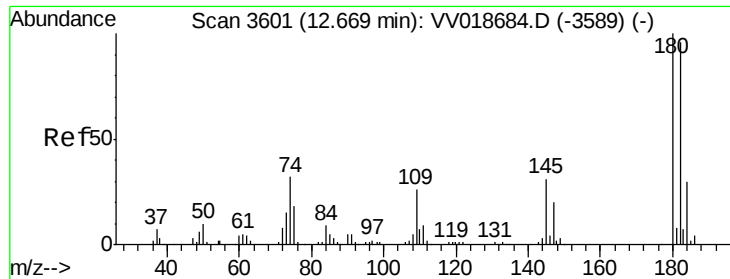
MMDadoda
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.118 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	67.6	101.4
157	115.9	88.7	133.1





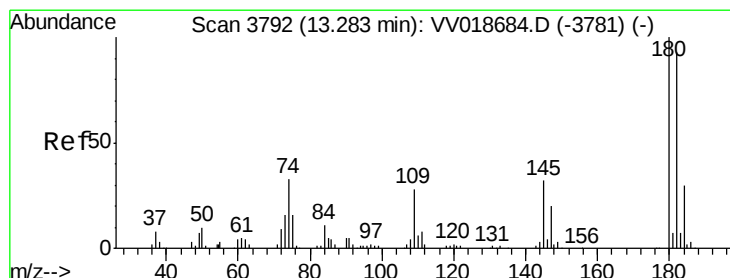
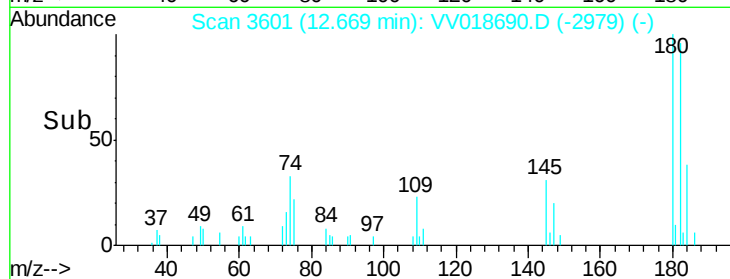
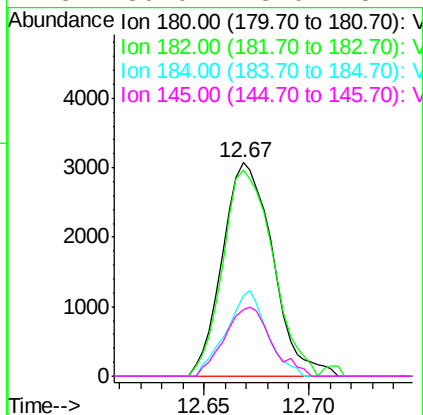
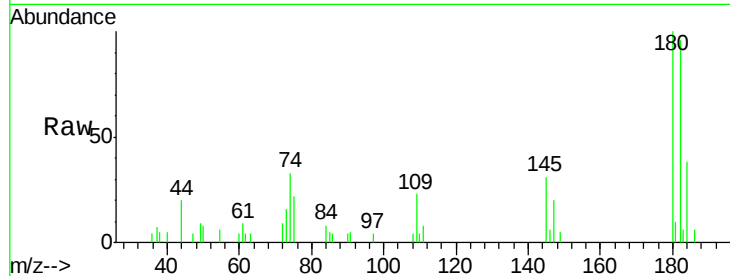
#69
 1,3,5-Trichlorobenzene
 Concen: 1.932 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	32.4	24.8	37.2
145	30.0	23.0	34.4

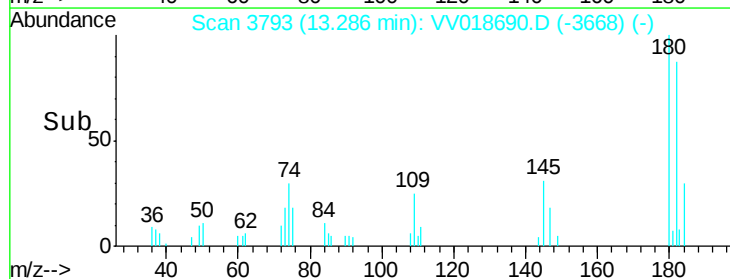
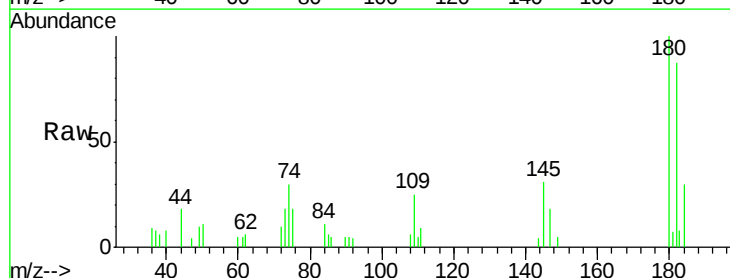
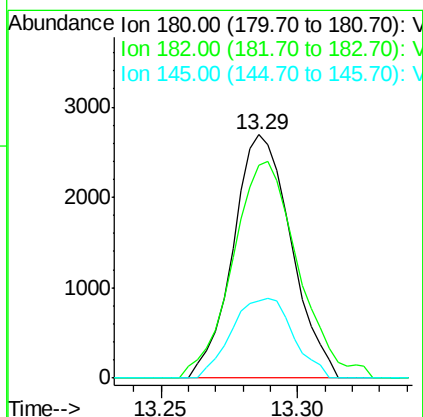
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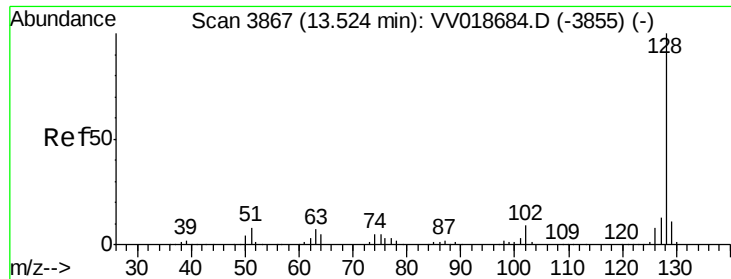
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#70
 1,2,4-trichlorobenzene
 Concen: 1.683 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	75.8	113.6
145	34.4	23.0	34.4





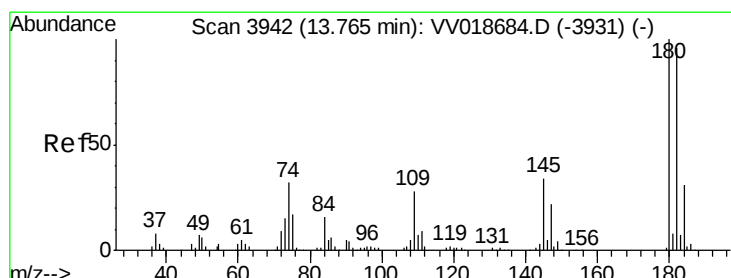
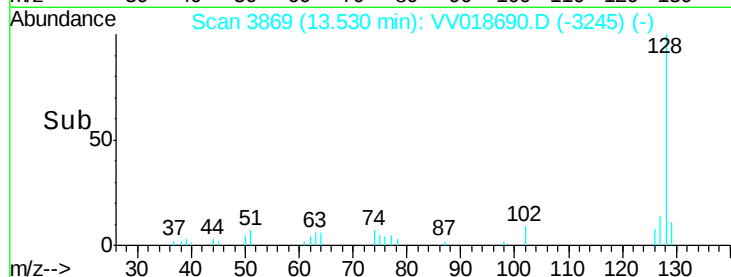
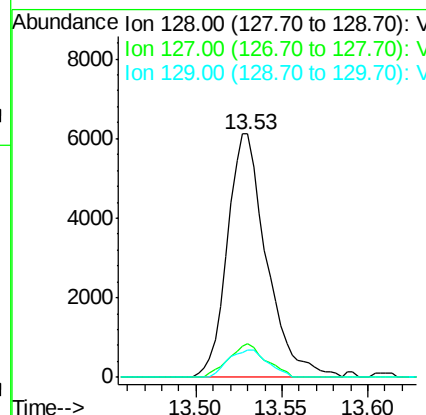
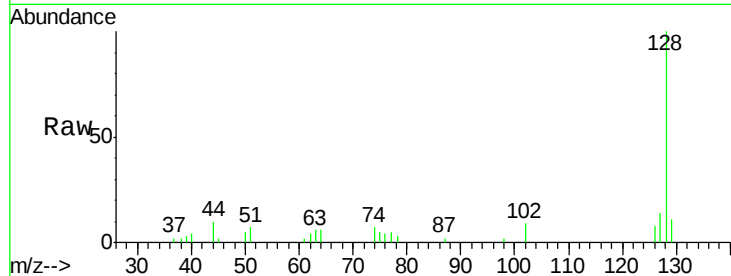
#71
Naphthalene
Concen: 1.585 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.4	8.7	13.1

Manual Integrations
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10/12/2020 2:00:55 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.731 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.1	115.7
145	34.9	25.0	37.6

