

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018692.D
 Acq On : 06 Oct 2020 14:33
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:01:04 PM

Quant Time: Oct 07 06:40:24 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	217206	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	214209	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	102000	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72428	53.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.48%
7) Chloroethane-d5	1.58	69	62219	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.26%
11) 1,1-Dichloroethene-d2	2.12	63	115569	40.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.80%
21) 2-Butanone-d5	3.92	46	92334	95.57	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.57%
24) Chloroform-d	4.38	84	137864	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.06	65	98557	55.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.14%
32) Benzene-d6	5.07	84	265398	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
36) 1,2-Dichloropropane-d6	6.09	67	82933	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.38%
41) Toluene-d8	7.34	98	242505	49.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.24%
43) trans-1,3-Dichloropropene-	7.64	79	42136	48.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.56%
47) 2-Hexanone-d5	8.11	63	48365	75.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.55%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	97281	43.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.12%
66) 1,2-Dichlorobenzene-d4	11.65	152	100630	52.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3676	2.293	ug/L	98
3) Chloromethane	1.25	50	4295	2.415	ug/L	94
5) Vinyl chloride	1.32	62	4918	2.703	ug/L #	80
6) Bromomethane	1.53	94	3058	2.645	ug/L	96
8) Chloroethane	1.60	64	3021	2.576	ug/L	98
9) Trichlorofluoromethane	1.77	101	7267	2.809	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5325	3.357	ug/L #	83
12) 1,1-Dichloroethene	2.13	96	4640	3.076	ug/L #	1
13) Acetone	2.20	43	6112	5.002	ug/L	84
14) Carbon disulfide	2.31	76	11372	2.655	ug/L	98
15) Methyl Acetate	2.46	43	5343	3.313	ug/L	95
16) Methylene chloride	2.52	84	6004	3.516	ug/L	86
17) trans-1,2-Dichloroethene	2.78	96	4395	2.879	ug/L	93
18) Methyl tert-butyl Ether	2.79	73	13755	2.899	ug/L #	95
19) 1,1-Dichloroethane	3.22	63	8029	2.709	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4087m	2.483	ug/L	
22) 2-Butanone	4.03	43	5381m	4.436	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2211	2.508	ug/L	91
25) Chloroform	4.40	83	9117	3.042	ug/L	86
27) 1,2-Dichloroethane	5.16	62	6057	2.609	ug/L	99
29) Cyclohexane	4.71	56	5012	2.010	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	6633	2.518	ug/L	98
31) Carbon tetrachloride	4.85	117	5428	2.363	ug/L	99
33) Benzene	5.13	78	14128	2.202	ug/L	100
34) Trichloroethene	5.94	95	5378	3.049	ug/L	95
35) Methylcyclohexane	6.16	83	5257m	2.053	ug/L	
37) 1,2-Dichloropropane	6.20	63	3806	2.244	ug/L #	86
38) Bromodichloromethane	6.54	83	5515	2.484	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	6236	2.450	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	9654	4.795	ug/L #	91
42) Toluene	7.41	91	15866	2.357	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	6477m	2.567	ug/L	
45) 1,1,2-Trichloroethane	7.87	97	3886	2.433	ug/L	91
46) Tetrachloroethene	8.00	164	3249	2.353	ug/L	95
48) 2-Hexanone	8.16	43	17855	10.465	ug/L #	84
49) Dibromochloromethane	8.27	129	4124	2.319	ug/L	90
50) 1,2-Dibromoethane	8.38	107	4183	2.515	ug/L #	91
51) Chlorobenzene	8.90	112	11120	2.472	ug/L	99
52) Ethylbenzene	9.04	91	15721	2.122	ug/L	96
53) m,p-Xylene	9.16	106	6353	2.297	ug/L	89
54) o-Xylene	9.57	106	5751	2.158	ug/L	90
55) Styrene	9.59	104	8559	1.836	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	5389	2.314	ug/L #	92
59) Bromoform	9.76	173	2653	2.327	ug/L #	93
60) Isopropylbenzene	9.95	105	14372	2.286	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	5279	2.982	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	10398	2.043	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	10359	1.983	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	7765	2.430	ug/L	94
65) 1,4-Dichlorobenzene	11.30	146	8872	2.649	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	9120	2.839	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	1126	2.518	ug/L #	74
69) 1,3,5-Trichlorobenzene	12.67	180	4838	1.942	ug/L	97
70) 1,2,4-trichlorobenzene	13.29	180	3783	1.695	ug/L	97
71) Naphthalene	13.53	128	9863	1.703	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	4027	1.795	ug/L	90

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

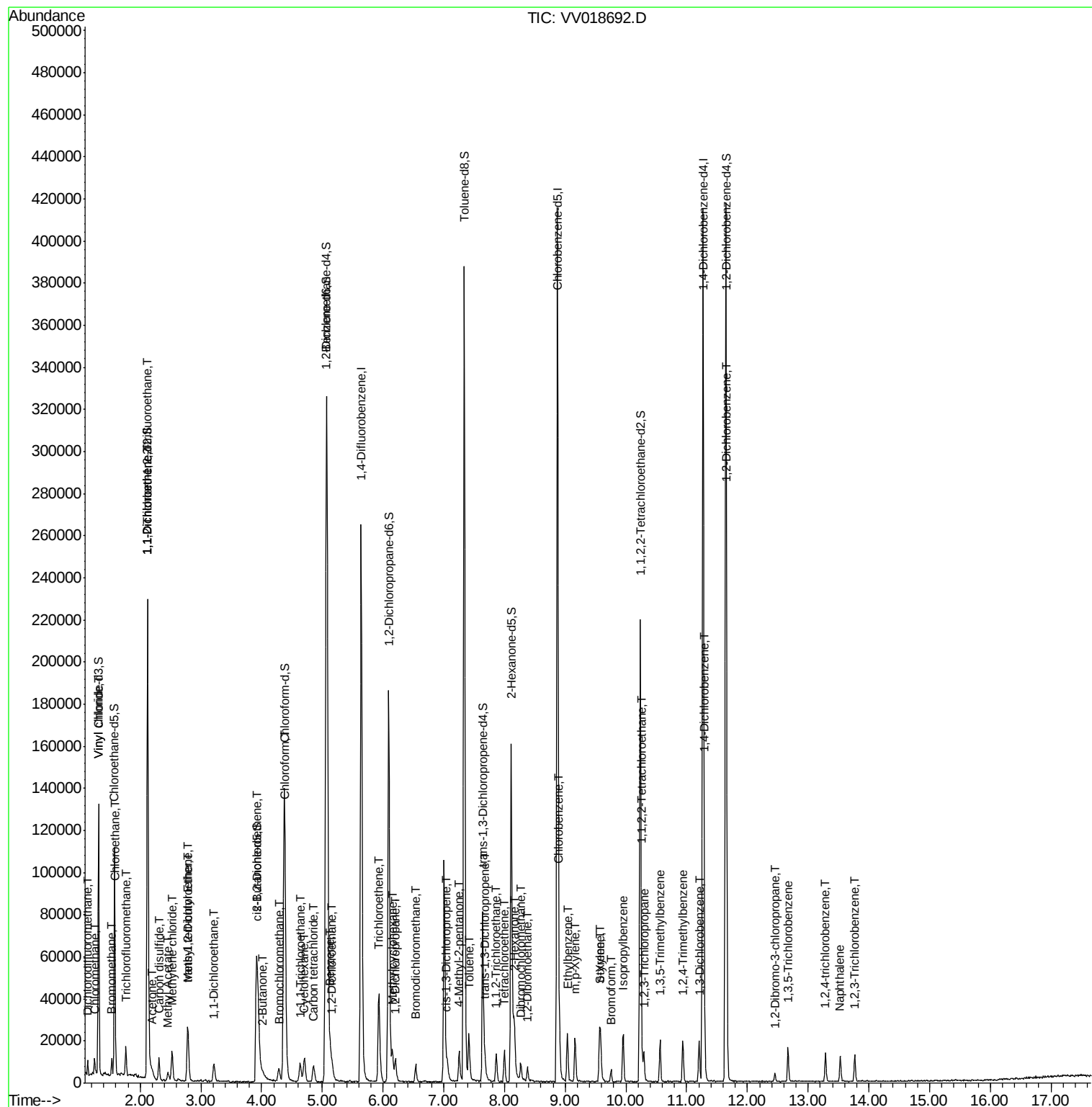
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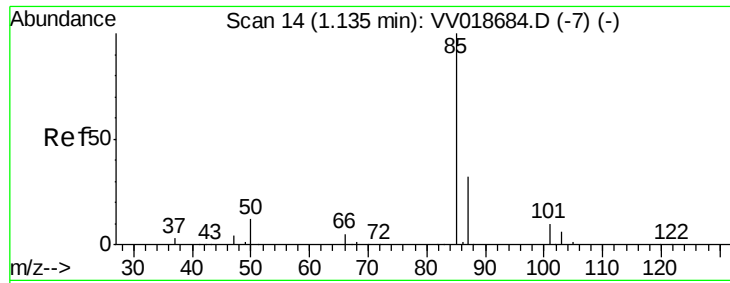
Instrument :
MSVOA_V
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 2.293 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 3676

Ion Ratio Lower Upper

85 100

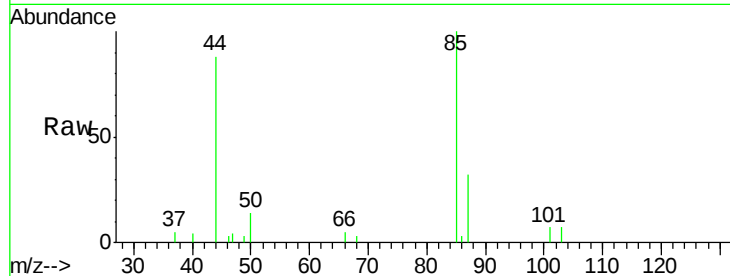
87 30.8 25.8 38.6

Manual Integrations

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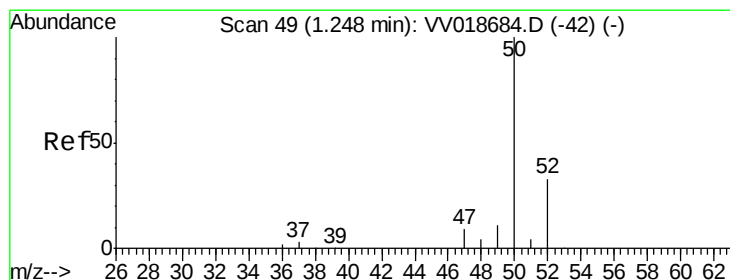
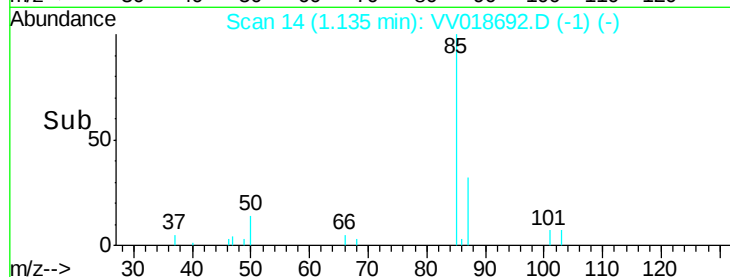
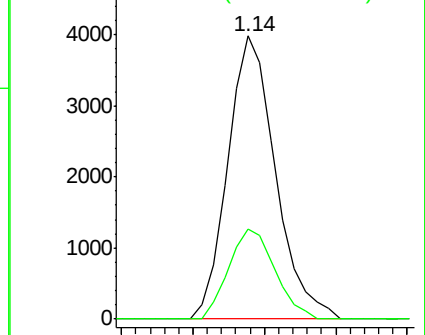
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.415 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018692.D

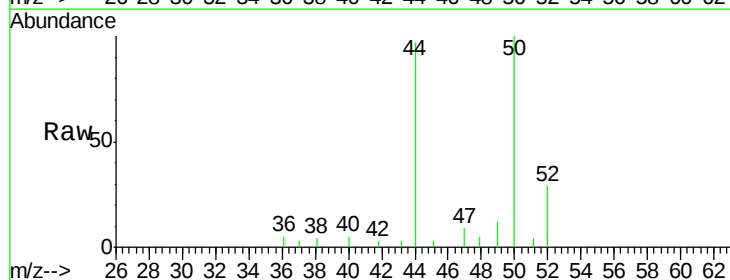
Acq: 06 Oct 2020 14:33

Tgt Ion: 50 Resp: 4295

Ion Ratio Lower Upper

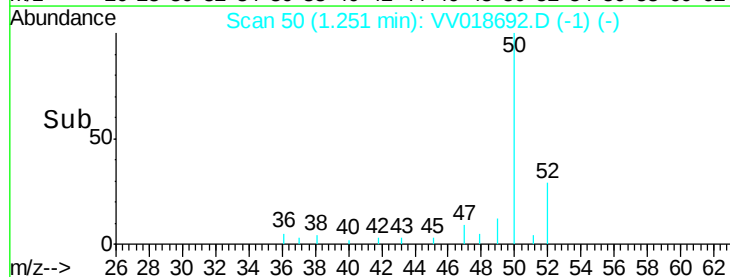
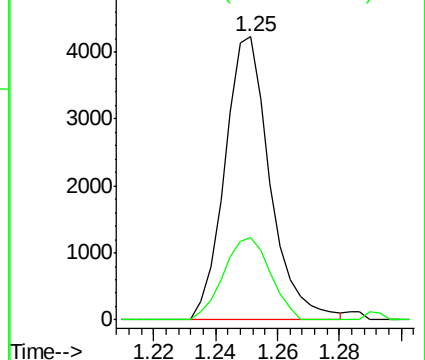
50 100

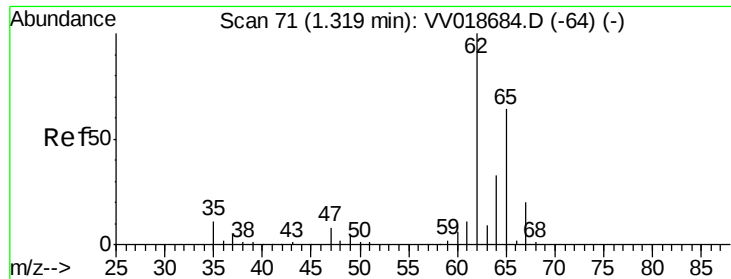
52 29.0 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.703 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 4918

Ion Ratio Lower Upper

62 100

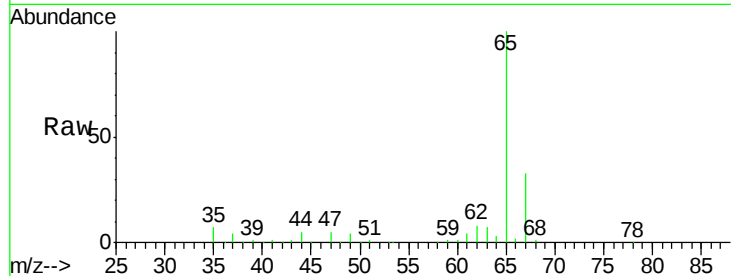
64 43.7 22.9 42.5#

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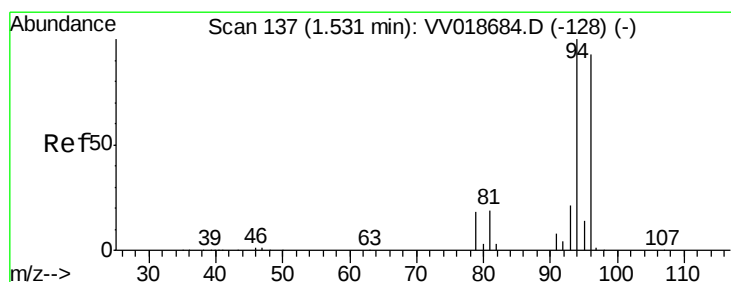
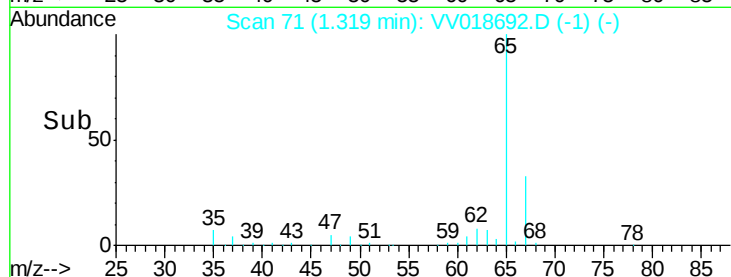
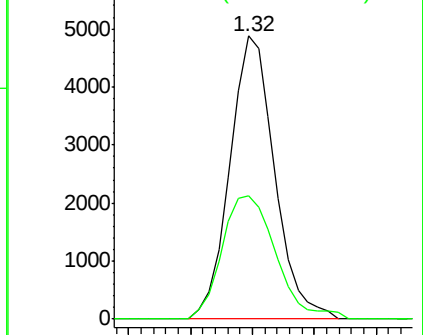
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.645 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018692.D

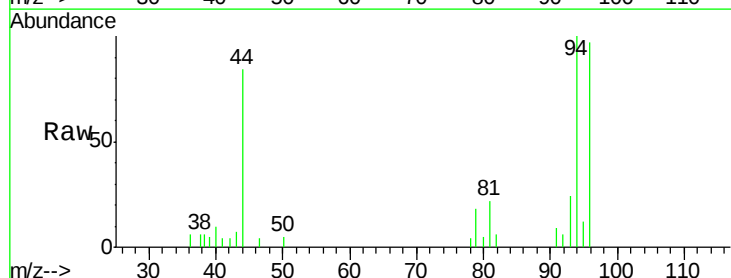
Acq: 06 Oct 2020 14:33

Tgt Ion: 94 Resp: 3058

Ion Ratio Lower Upper

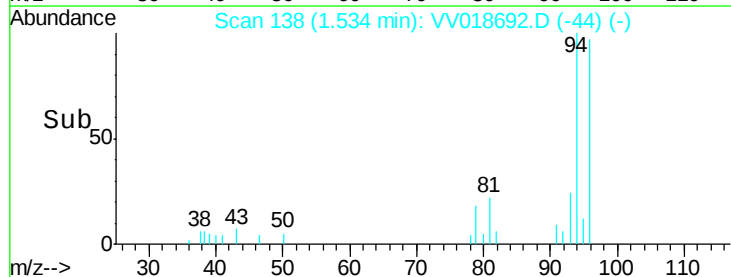
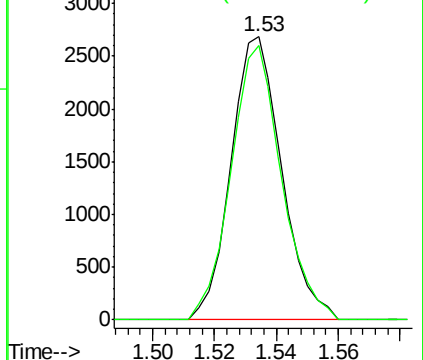
94 100

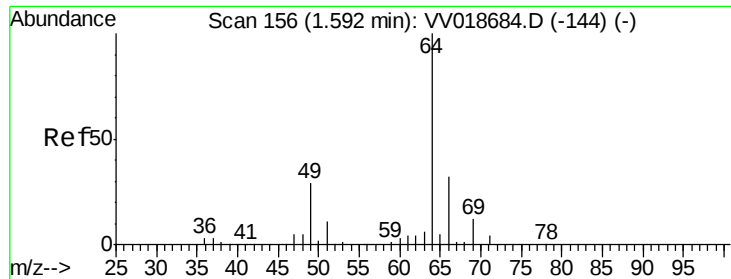
96 96.9 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.576 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 3021

Ion Ratio Lower Upper

64 100

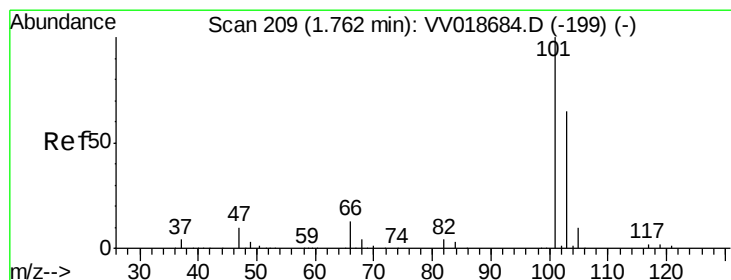
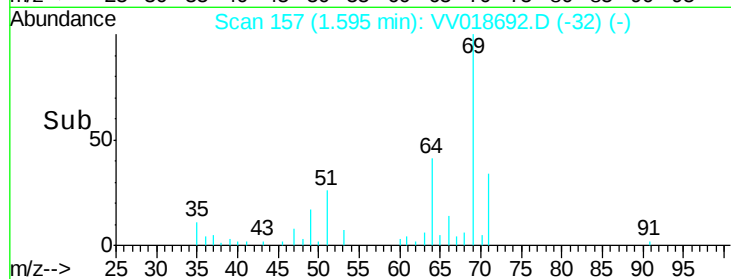
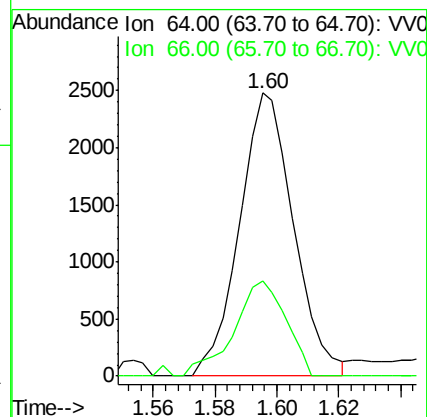
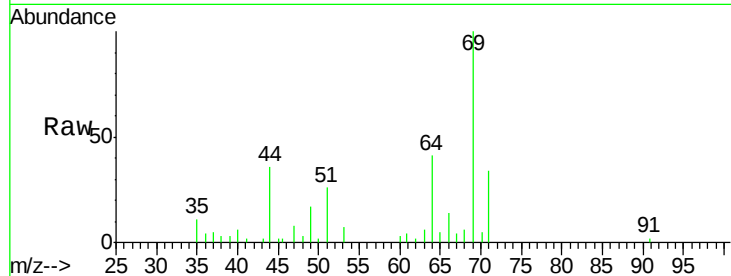
66 33.7 23.0 42.6

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.809 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018692.D

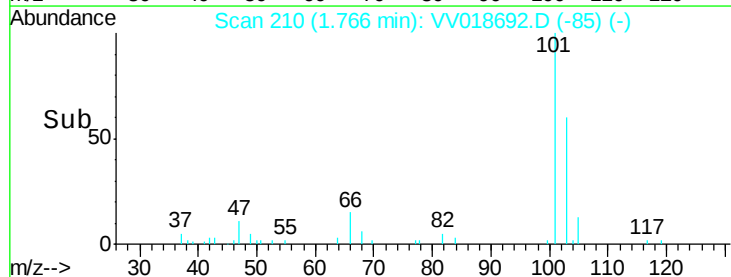
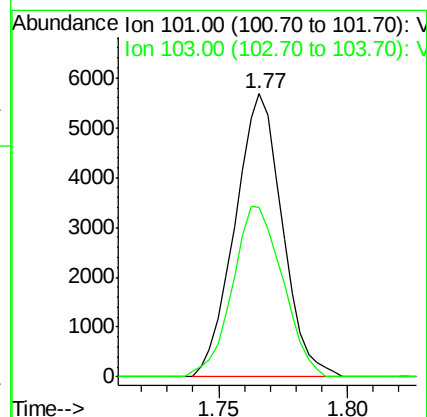
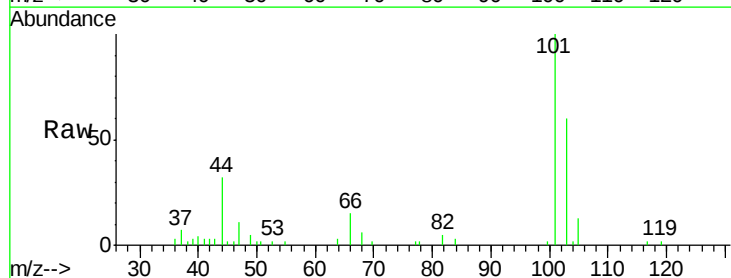
Acq: 06 Oct 2020 14:33

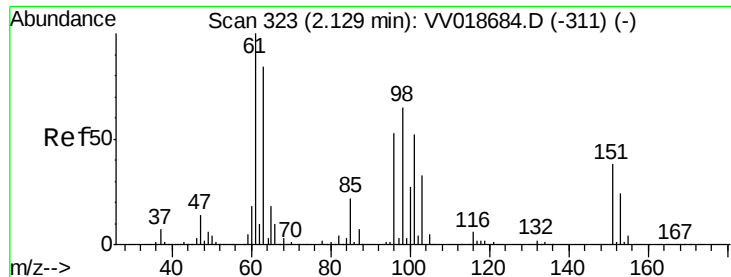
Tgt Ion: 101 Resp: 7267

Ion Ratio Lower Upper

101 100

103 63.6 52.1 78.1





#10

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

Concen: 3.357 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

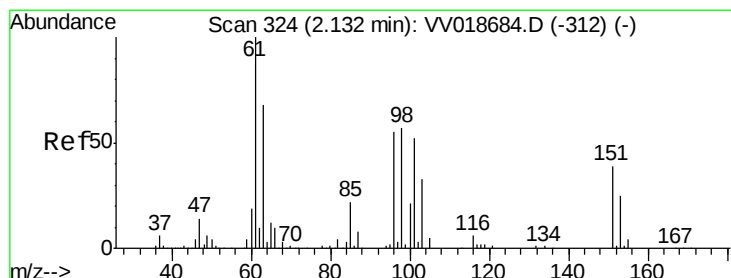
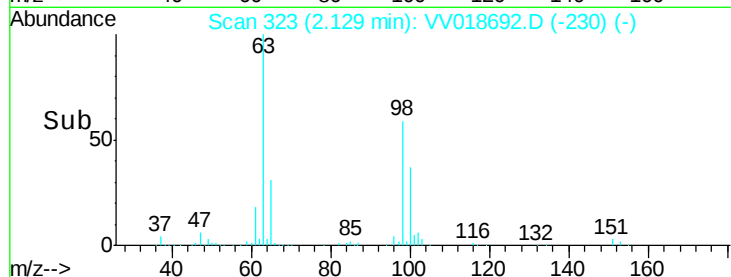
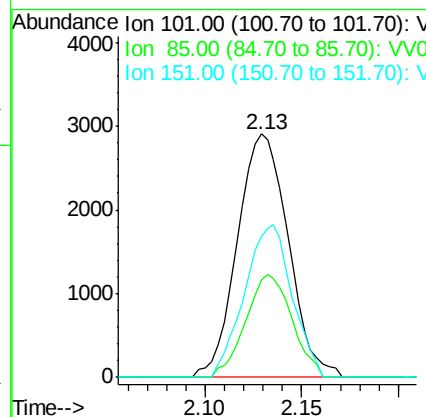
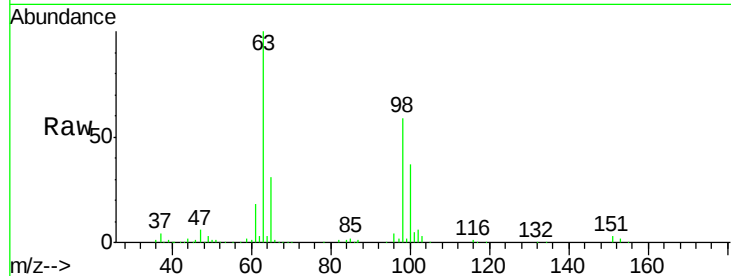
ClientSampled :

MDL02

Tot Ion:	101	Resp:	5325
Ion Ratio	Lower	Upper	
101	100		
85	38.3	34.6	51.8
151	58.6	62.4	93.6#

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#12

1,1-Dichloroethene

Concen: 3.076 ug/L

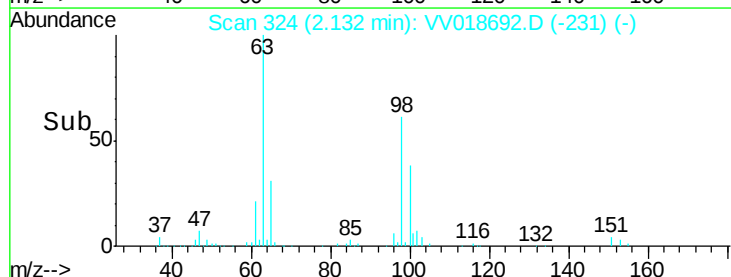
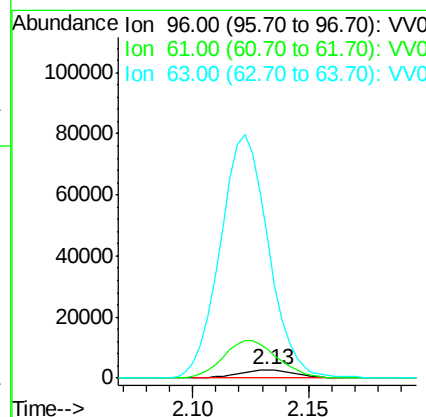
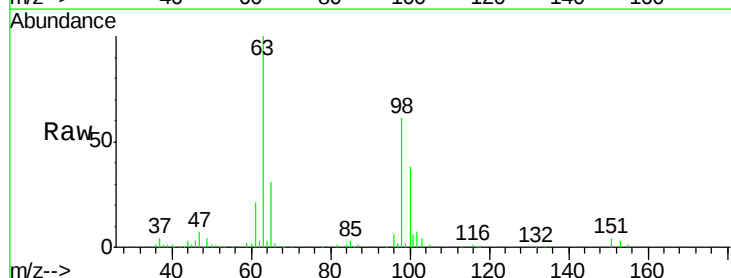
RT: 2.13 min Scan# 324

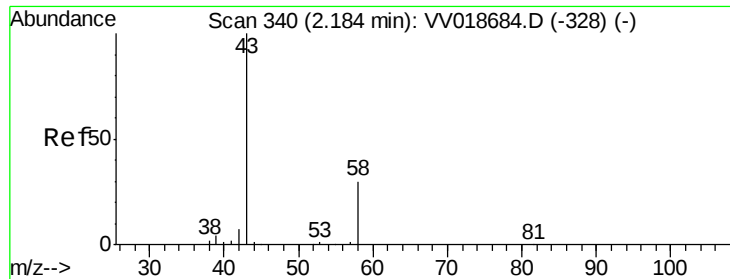
Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Tgt Ion:	96	Resp:	4640
Ion Ratio	Lower	Upper	
96	100		
61	341.1	121.0	224.8#
63	1628.2	93.0	172.6#





#13

Acetone

Concen: 5.002 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 6112

Ion Ratio Lower Upper

43 100

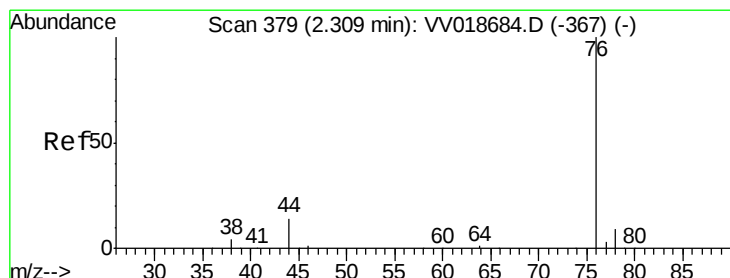
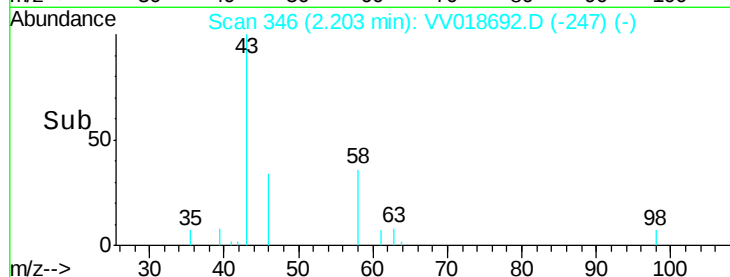
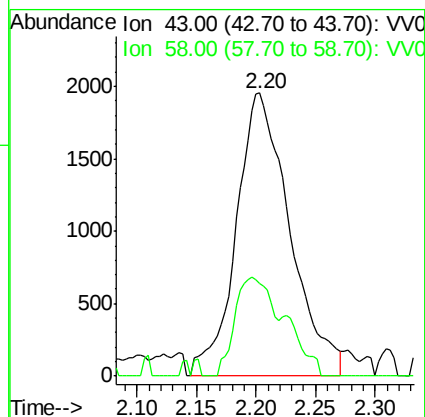
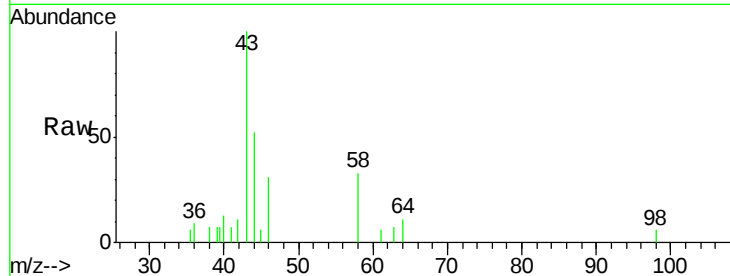
58 24.1 0.0 65.8

Manual Integrations

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#14

Carbon disulfide

Concen: 2.655 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018692.D

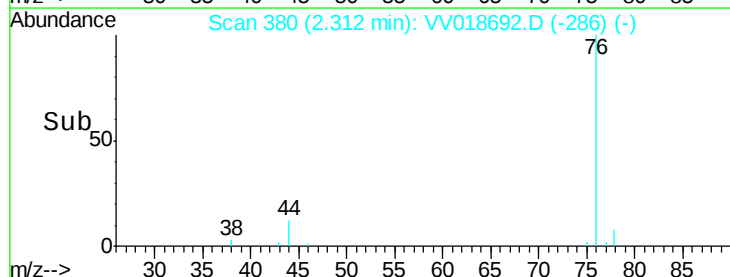
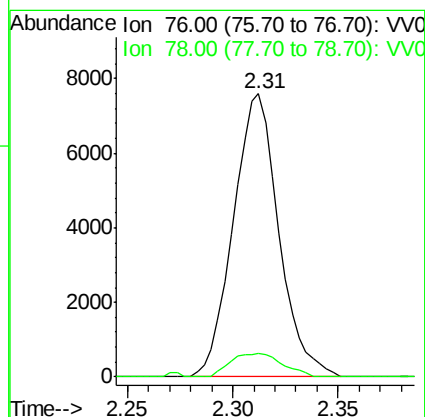
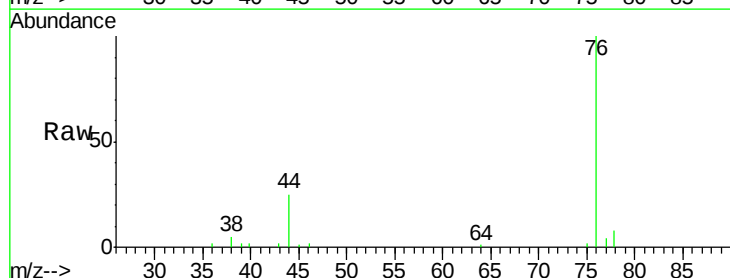
Acq: 06 Oct 2020 14:33

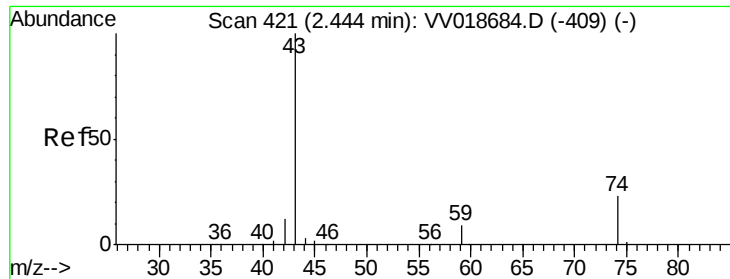
Tgt Ion: 76 Resp: 11372

Ion Ratio Lower Upper

76 100

78 8.2 7.2 10.8





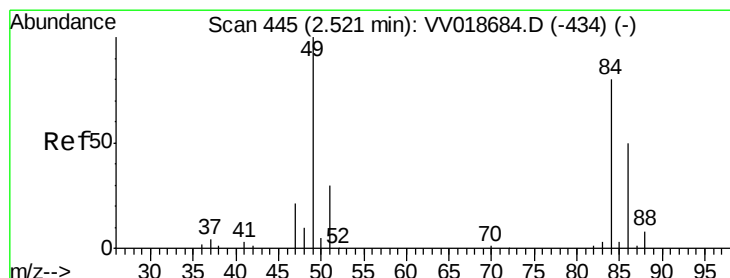
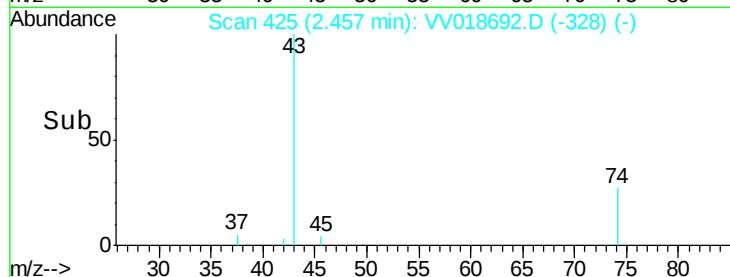
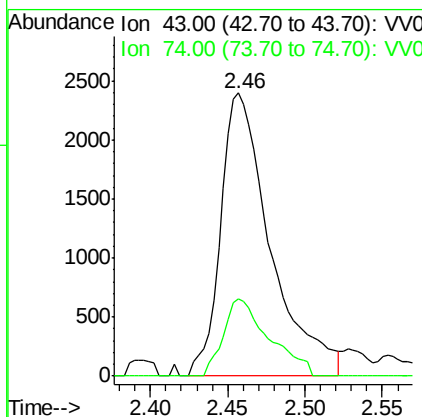
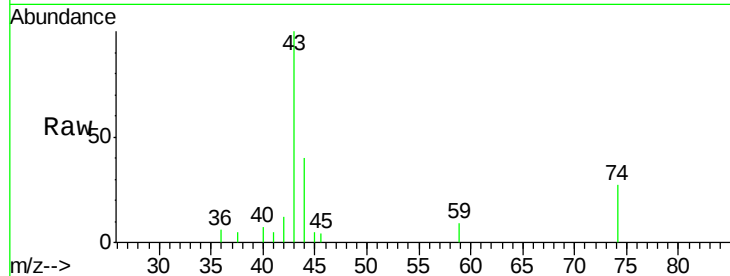
#15
Methvl Acetate
Concen: 3.313 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 5343
Ion Ratio Lower Upper
43 100
74 25.2 18.4 27.6

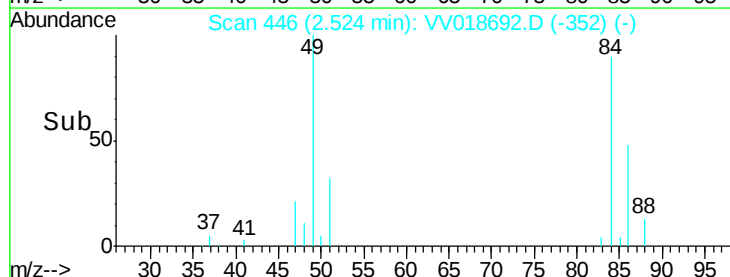
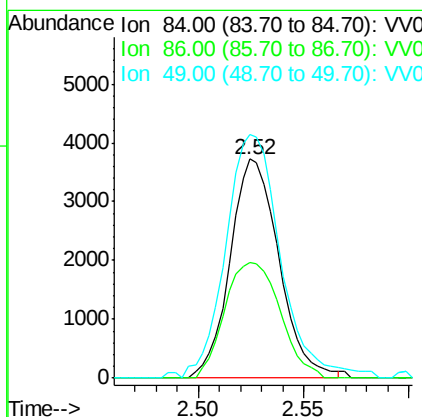
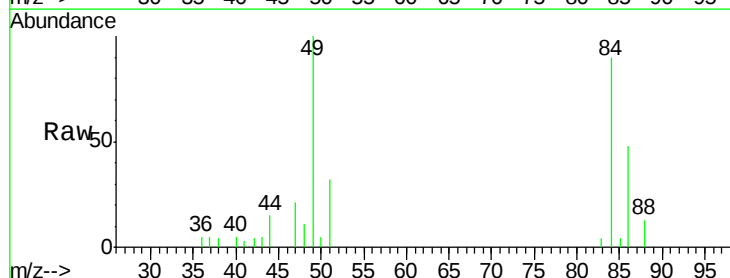
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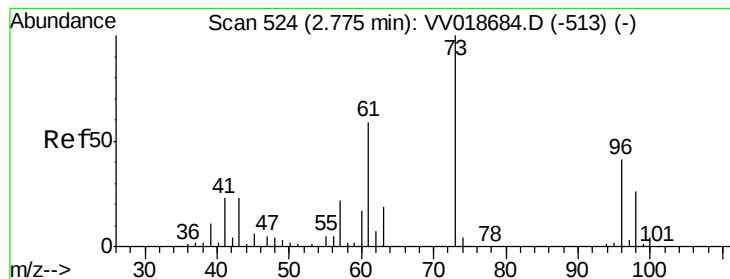
MMDadoda
10/12/2020 2:01:04 PM



#16
Methylene chloride
Concen: 3.516 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion: 84 Resp: 6004
Ion Ratio Lower Upper
84 100
86 53.0 46.0 85.4
49 111.1 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 2.879 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

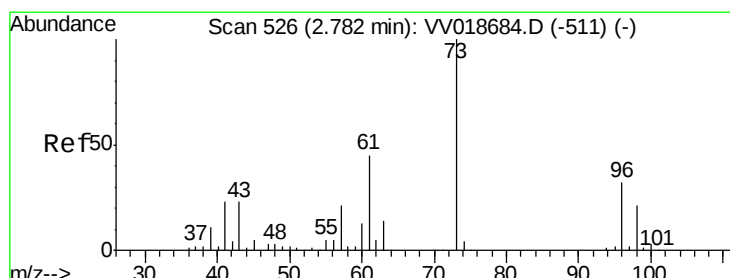
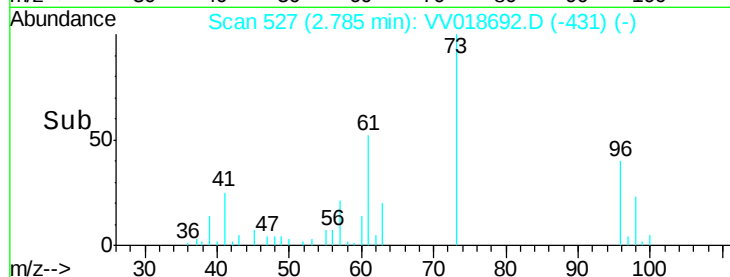
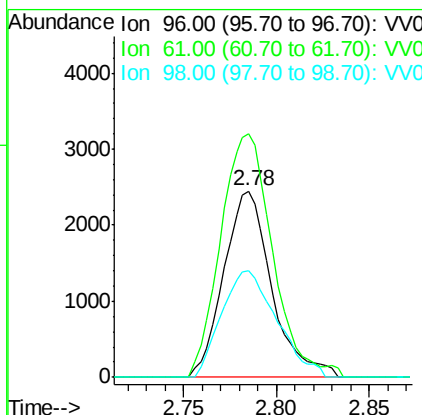
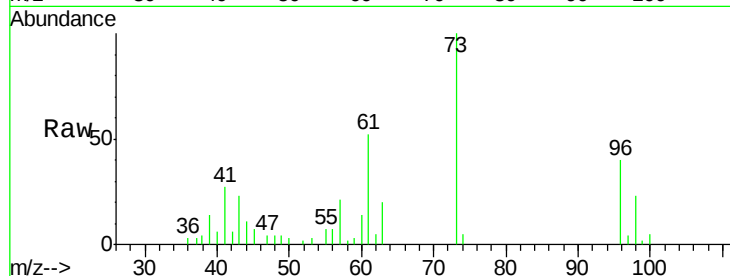
ClientSampleId :

MDL02

Tot Ion:	96	Resp:	4395
Ion	Ratio	Lower	Upper
96	100		
61	130.8	98.3	182.5
98	57.0	43.5	80.7

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#18

Methyl tert-butyl Ether

Concen: 2.899 ug/L

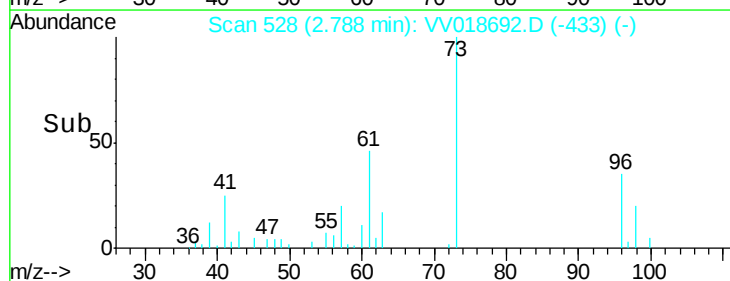
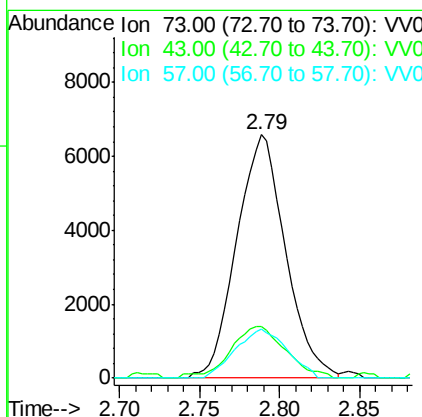
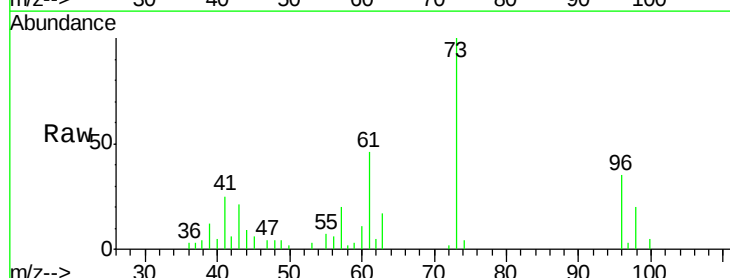
RT: 2.79 min Scan# 528

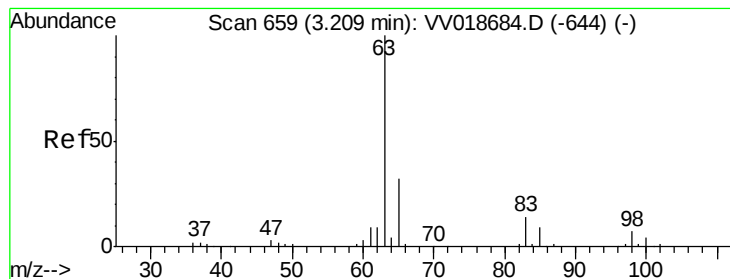
Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Tgt Ion:	73	Resp:	13755
Ion	Ratio	Lower	Upper
73	100		
43	23.4	15.4	23.2#
57	21.2	17.8	26.6





#19

1,1-Dichloroethane

Concen: 2.709 ug/L

RT: 3.22 min Scan# 662

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

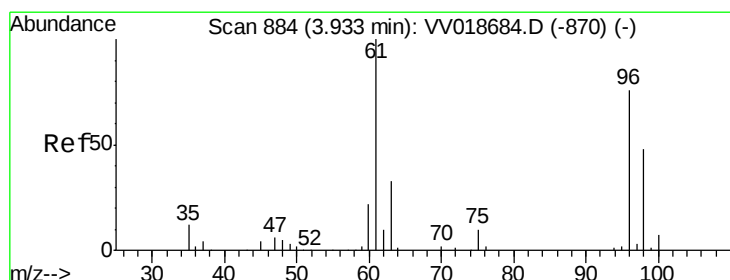
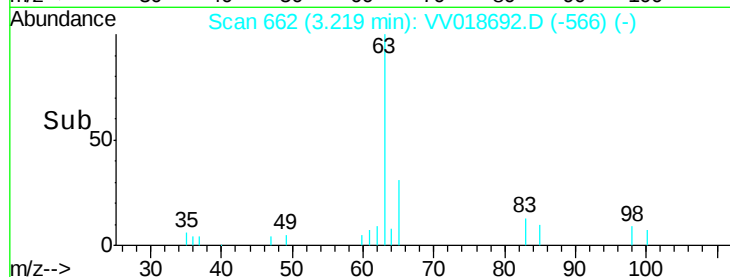
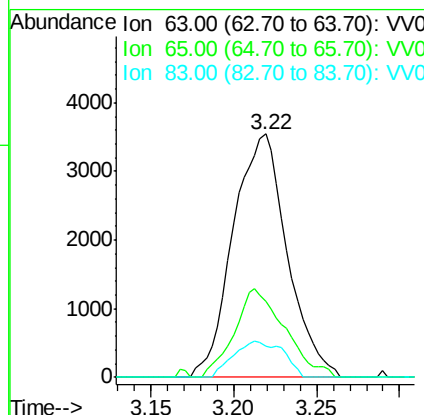
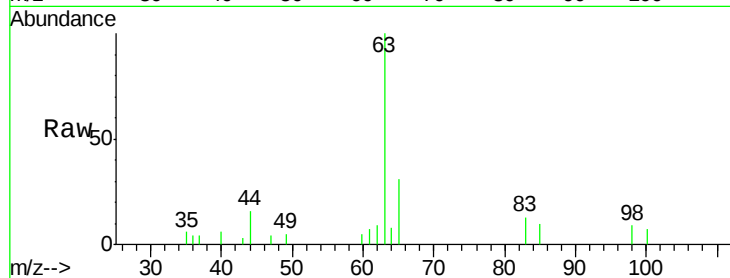
ClientSampleId :

MDL02

Tot Ion:	63	Resp:	8029
Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.8	40.6
83	12.9	9.2	17.2

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#20

cis-1,2-Dichloroethene

Concen: 2.483 ug/L m

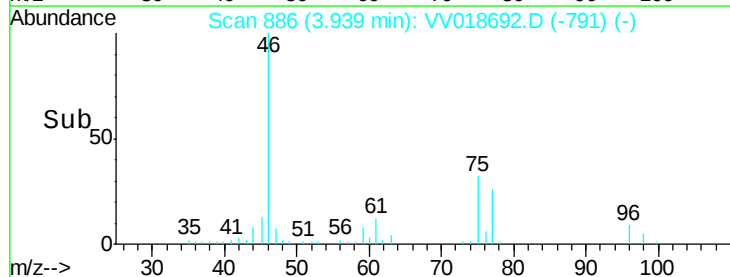
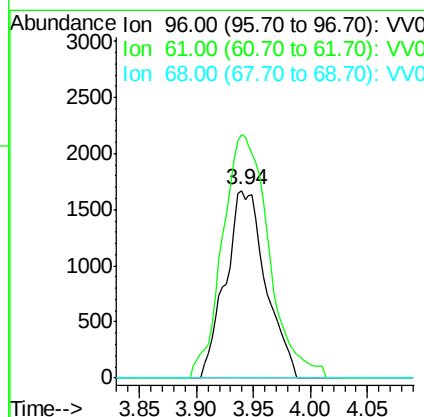
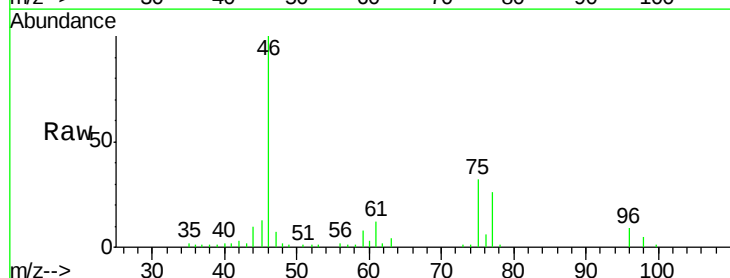
RT: 3.94 min Scan# 886

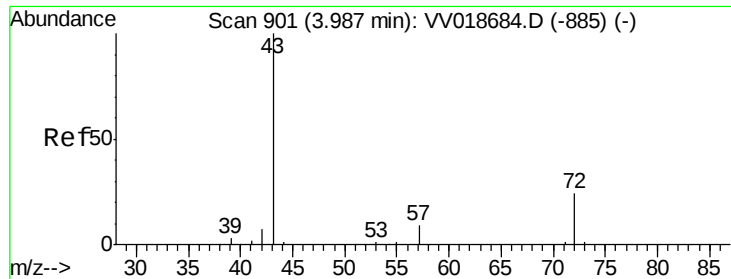
Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Tgt Ion:	96	Resp:	4087
Ion	Ratio	Lower	Upper
96	100		
61	129.6	90.4	167.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.436 ug/L m

RT: 4.03 min Scan# 913

Delta R.T. 0.04 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 5381

Ion Ratio Lower Upper

43 100

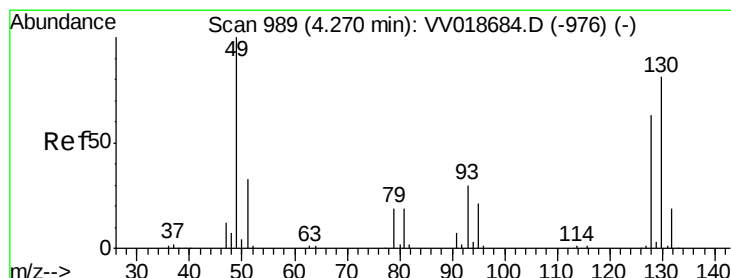
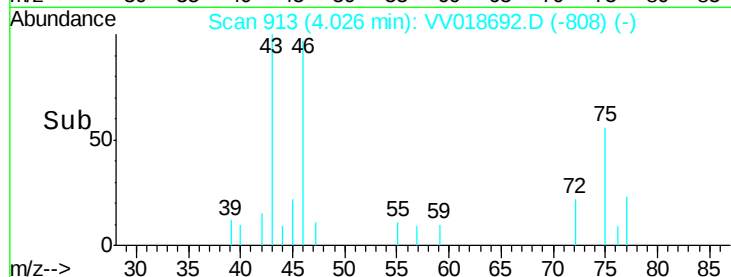
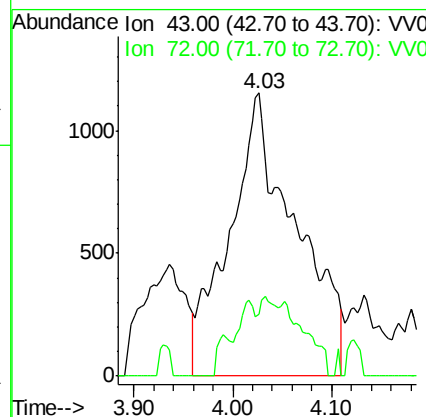
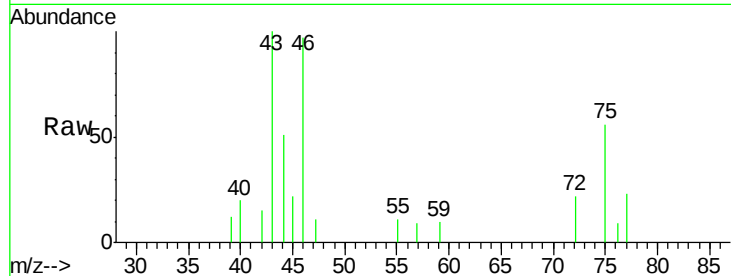
72 1.7 12.8 38.3#

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#23

Bromochloromethane

Concen: 2.508 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Tgt Ion: 128 Resp: 2211

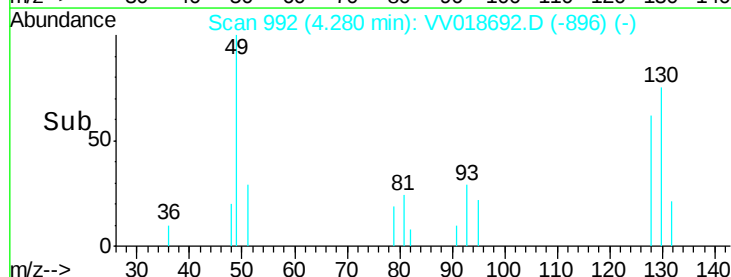
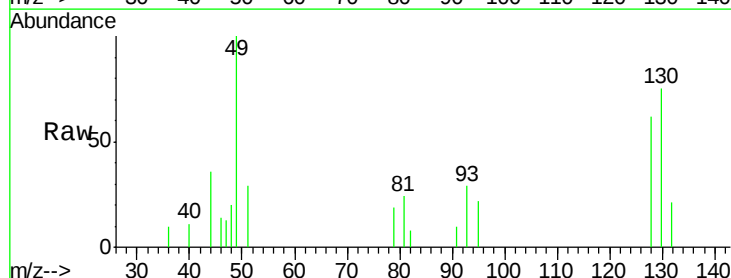
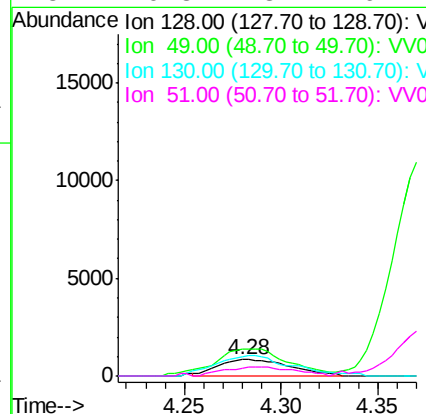
Ion Ratio Lower Upper

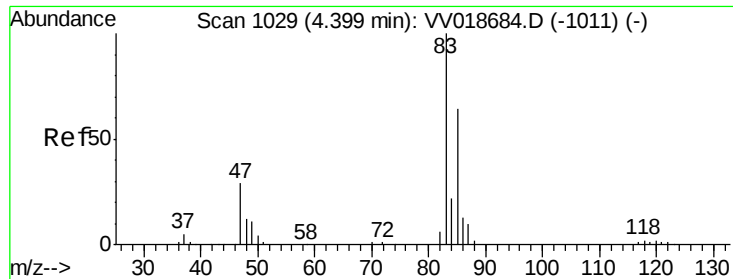
128 100

49 160.7 120.3 223.3

130 120.4 91.3 169.5

51 46.3 43.1 64.7





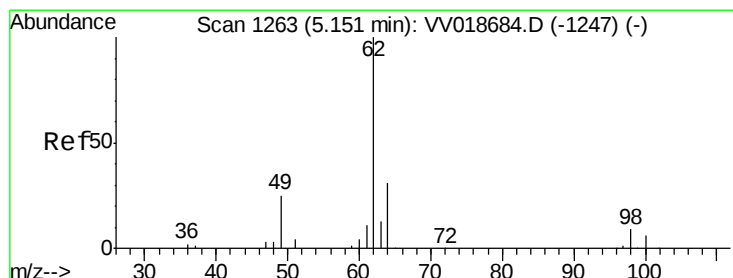
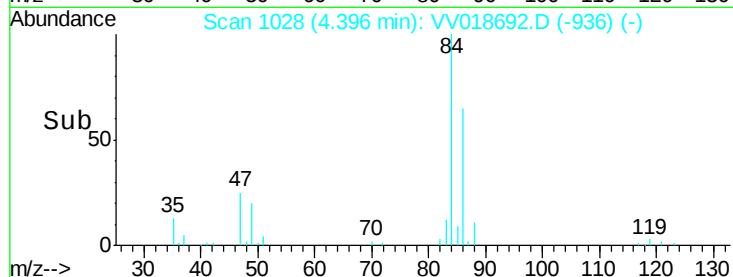
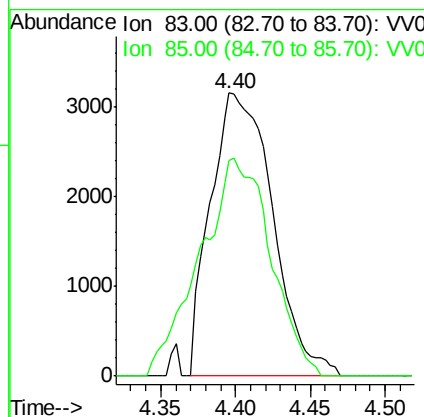
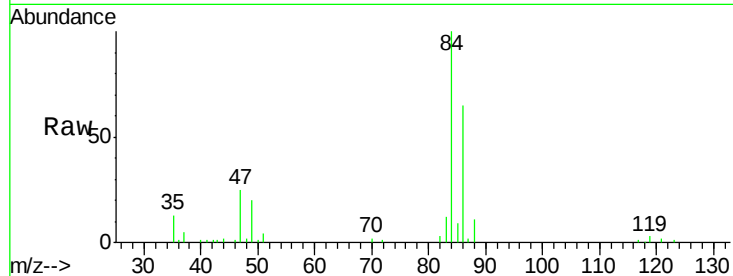
#25
Chloroform
Concen: 3.042 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 83 Resp: 9117
Ion Ratio Lower Upper
83 100
85 75.9 45.2 84.0

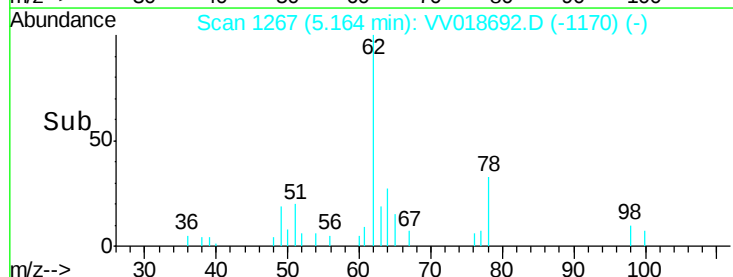
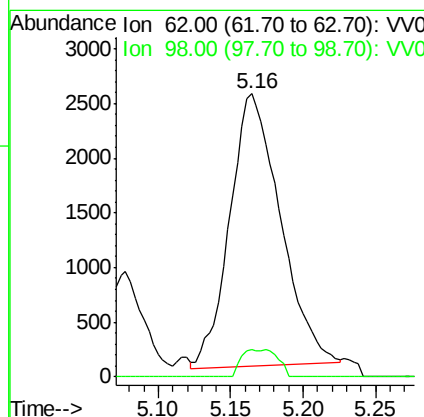
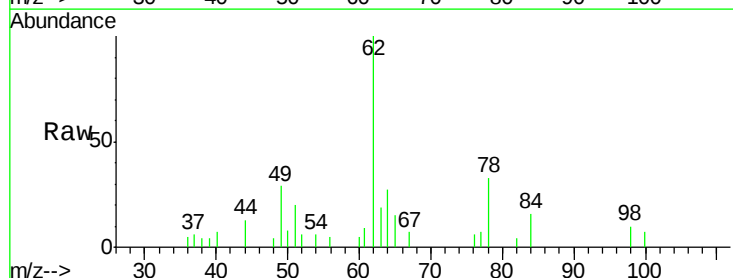
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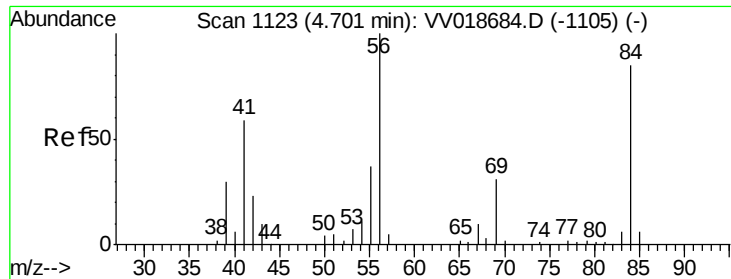
MMDadoda
10/12/2020 2:01:04 PM



#27
1,2-Dichloroethane
Concen: 2.609 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion: 62 Resp: 6057
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.2





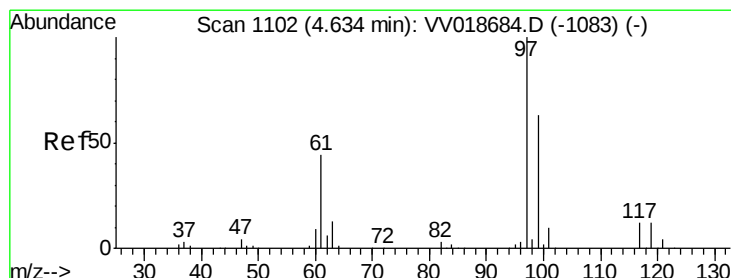
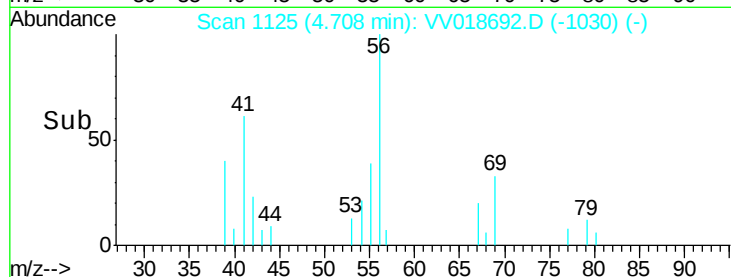
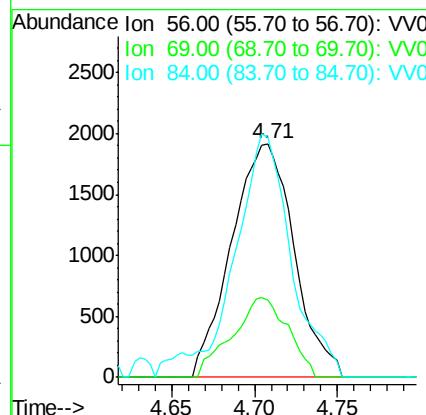
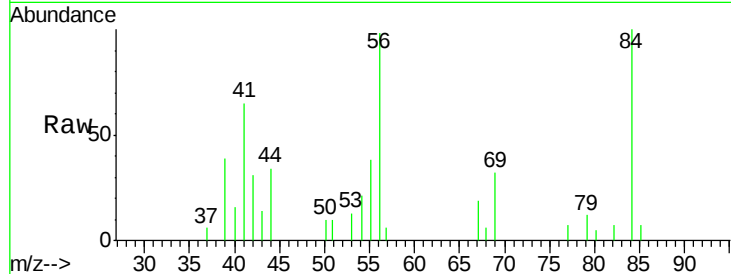
#29
Cyclohexane
Concen: 2.010 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.4	36.6
84	89.0	68.6	102.8

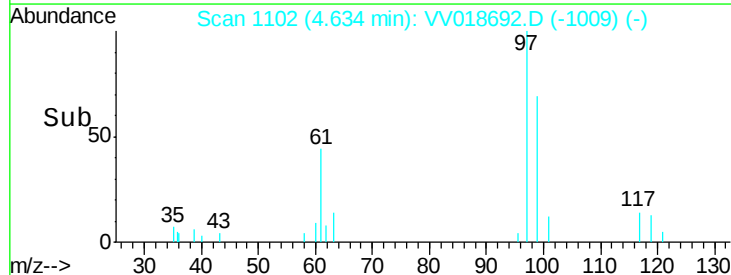
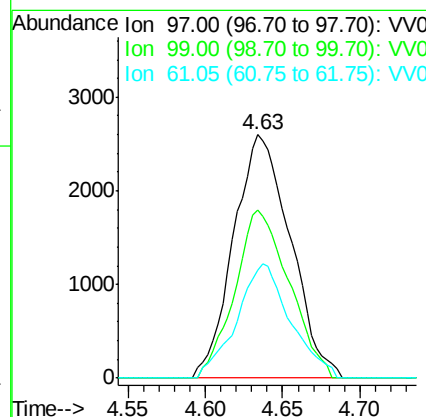
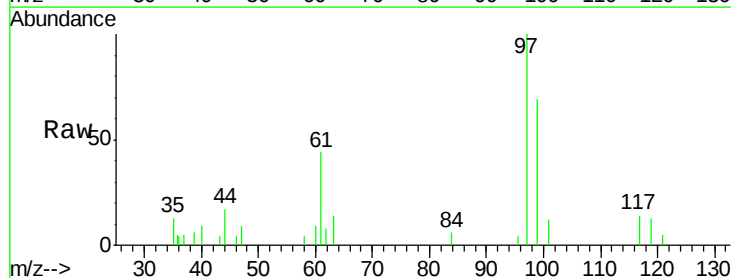
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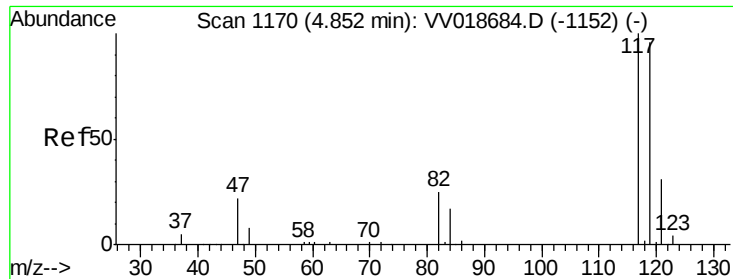
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 2.518 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	50.7	76.1
61	44.2	35.0	52.6





#31

Carbon tetrachloride

Concen: 2.363 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:117 Resp: 5428

Ion Ratio Lower Upper

117 100

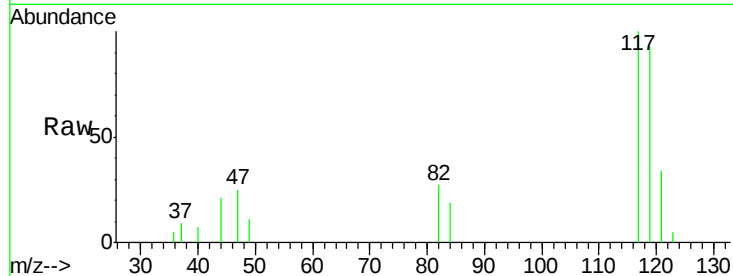
119 96.5 76.7 115.1

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

2500

2000

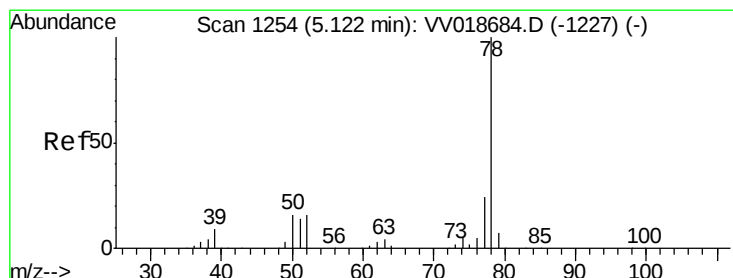
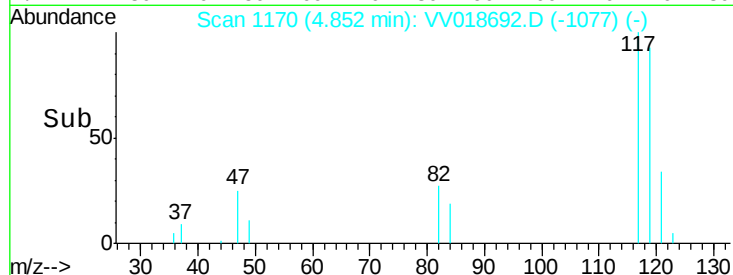
1500

1000

500

0

Time-->



#33

Benzene

Concen: 2.202 ug/L

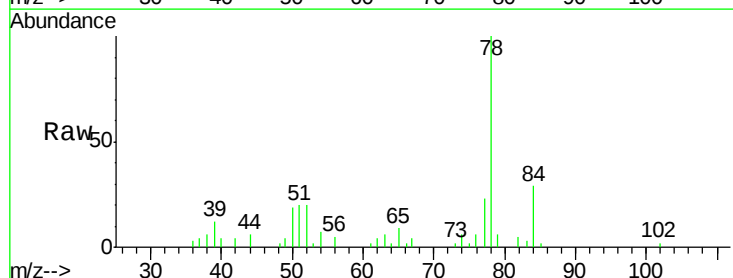
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Tgt Ion: 78 Resp: 14128



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

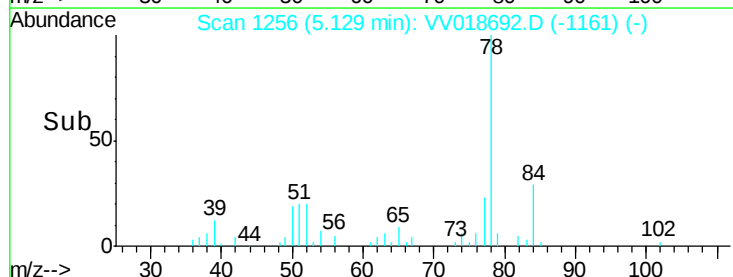
6000

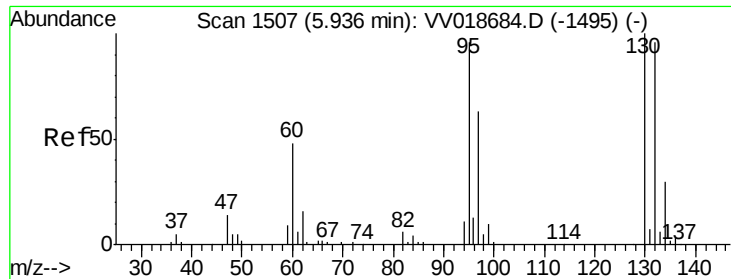
4000

2000

0

Time-->





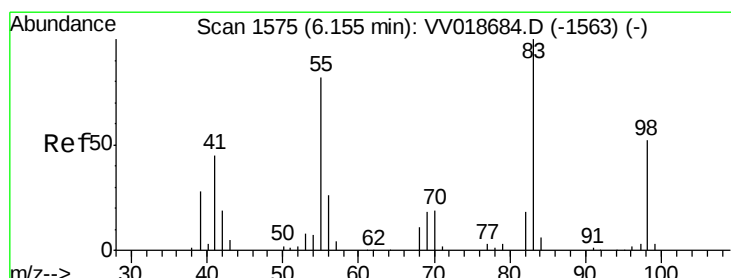
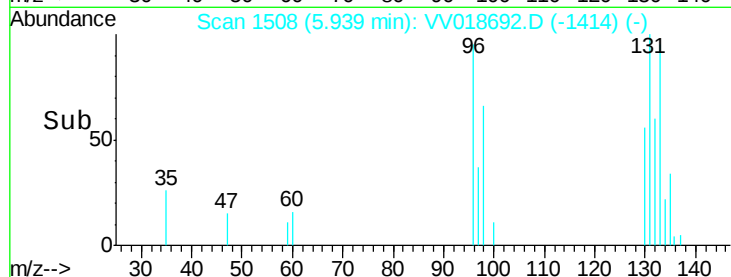
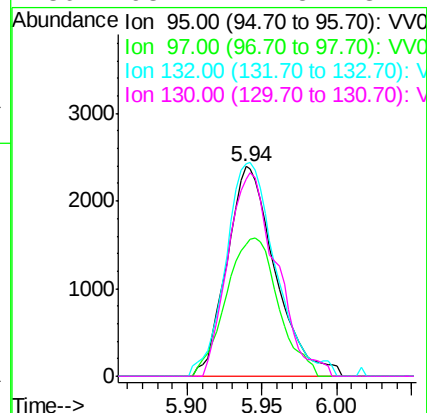
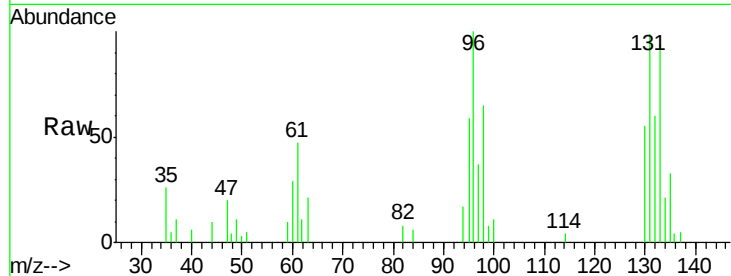
#34
 Trichloroethene
 Concen: 3.049 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 95 Resp: 5378
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.7 83.1
 132 101.5 67.8 126.0
 130 93.7 71.5 132.7

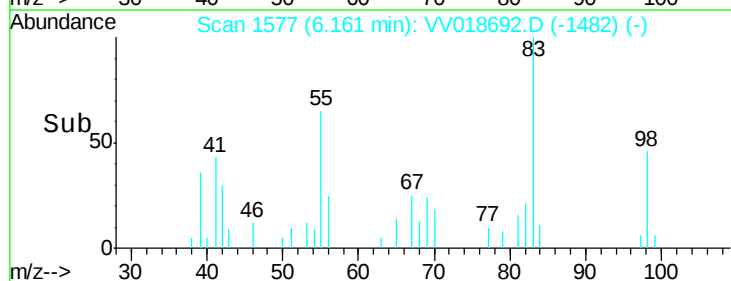
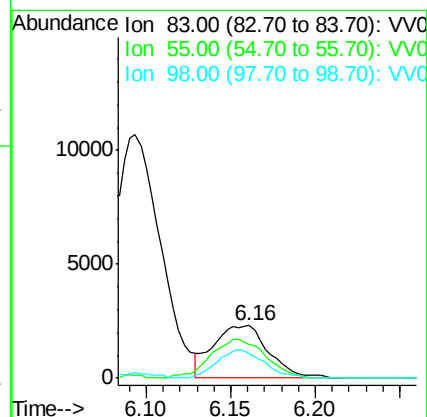
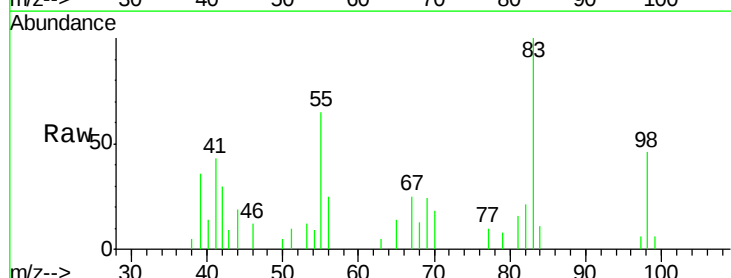
Manual Integrations
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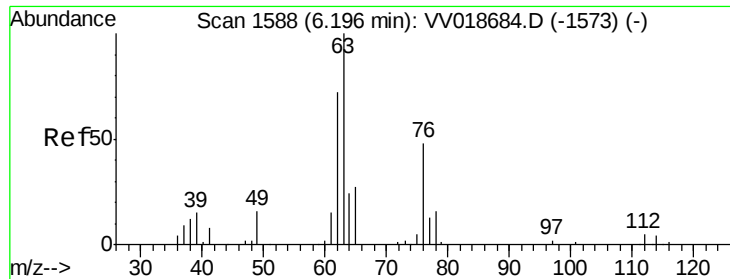
MMDadoda
 10/12/2020 2:01:04 PM



#35
 Methylcyclohexane
 Concen: 2.053 ug/L m
 RT: 6.16 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion: 83 Resp: 5257
 Ion Ratio Lower Upper
 83 100
 55 73.3 63.6 95.4
 98 45.2 38.6 58.0





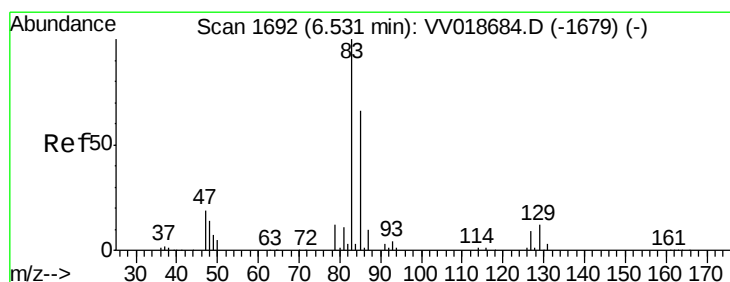
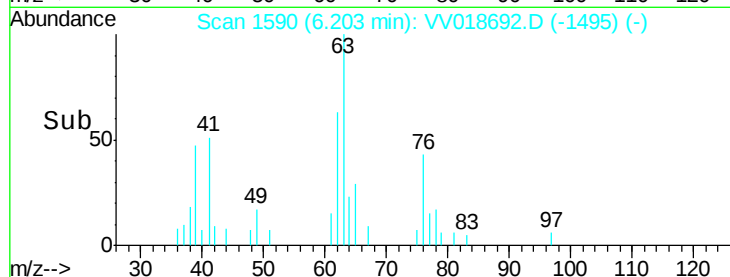
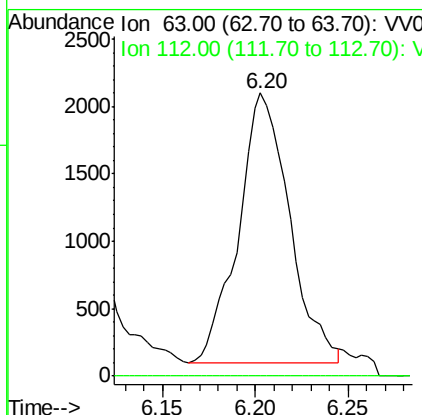
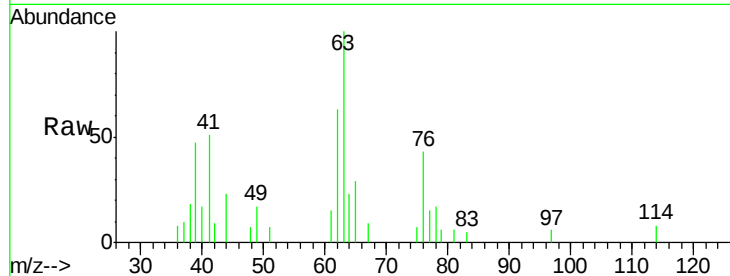
#37
 1,2-Dichloropropane
 Concen: 2.244 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL02

Tot Ion: 63 Resp: 3806
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#

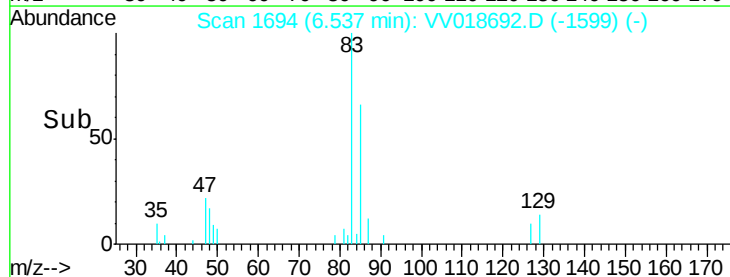
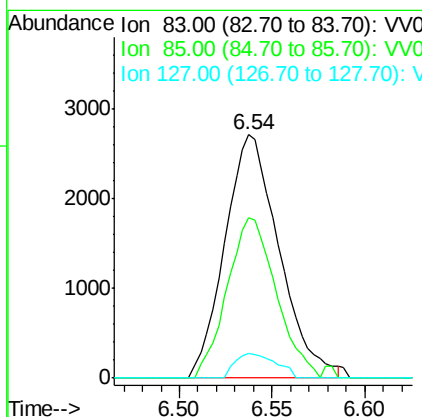
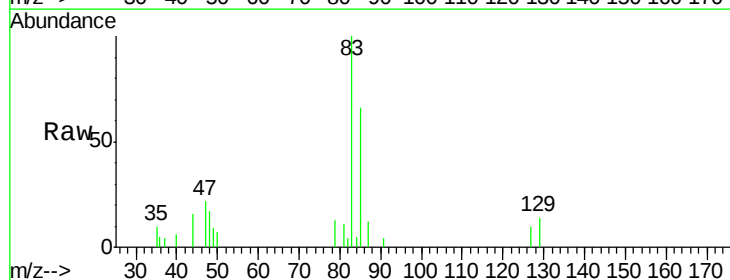
Manual Integrations
 APPROVED

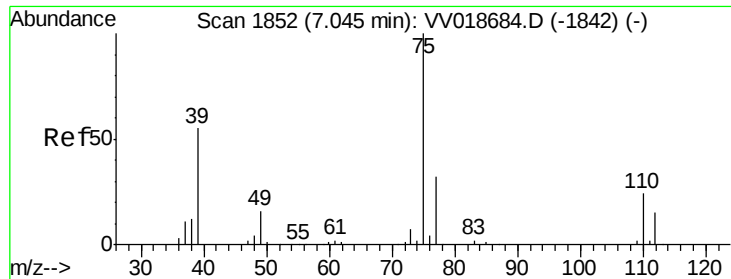
MMDadoda
 10/12/2020 2:01:04 PM



#38
 Bromodichloromethane
 Concen: 2.484 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion: 83 Resp: 5515
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.1 83.9
 127 9.9 6.8 10.2





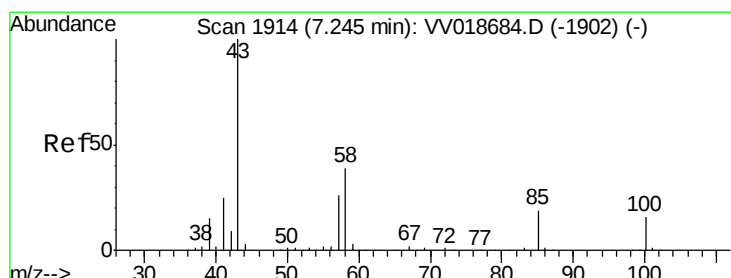
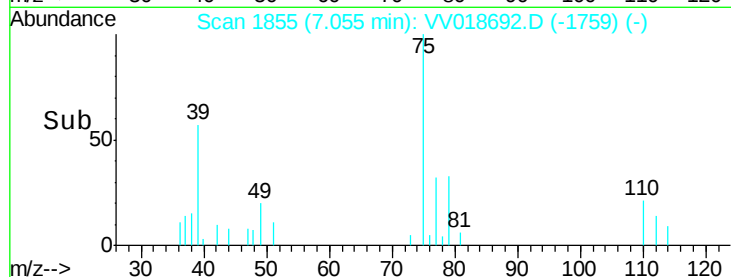
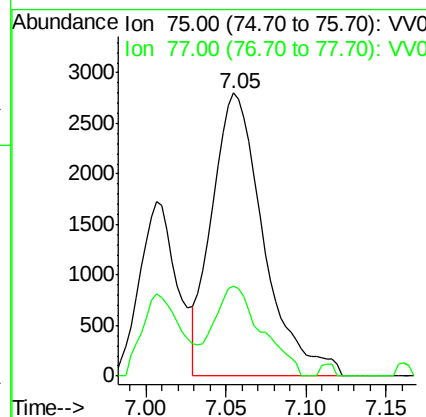
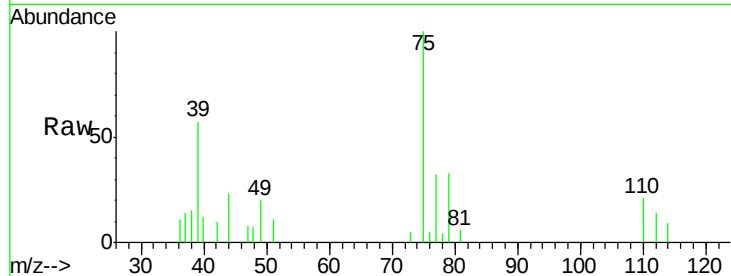
#39
 cis-1,3-Dichloropropene
 Concen: 2.450 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 6236
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1

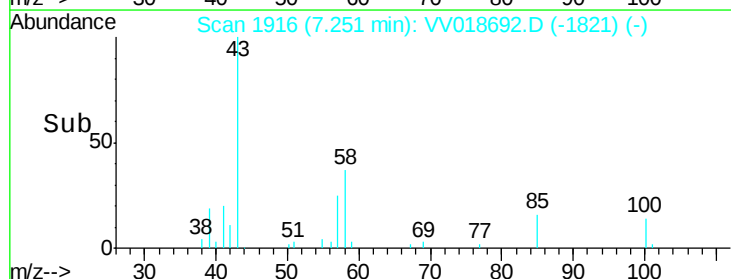
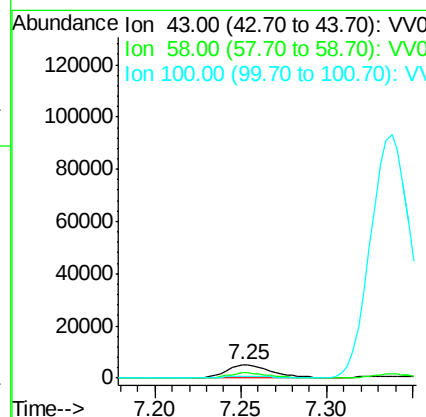
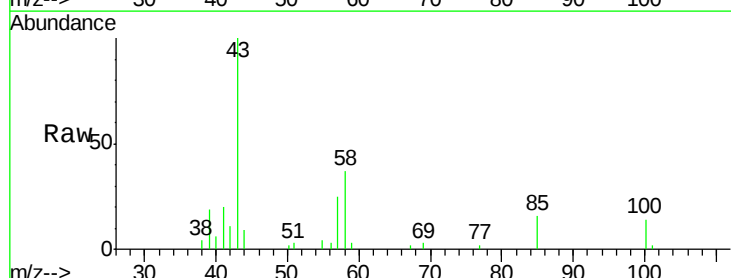
Manual Integrations
 APPROVED

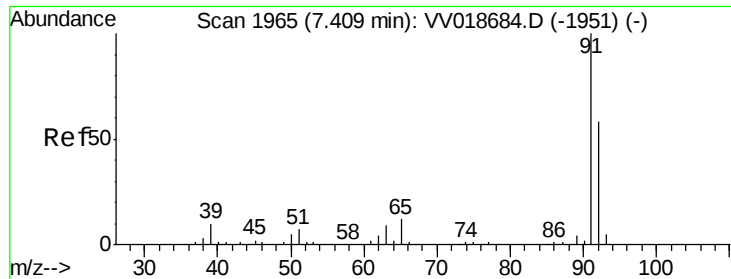
MMDadoda
 10/12/2020 2:01:04 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.795 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion: 43 Resp: 9654
 Ion Ratio Lower Upper
 43 100
 58 36.1 32.4 48.6
 100 9.8 13.0 19.4#





#42

Toluene

Concen: 2.357 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 15866

Ion Ratio Lower Upper

91 100

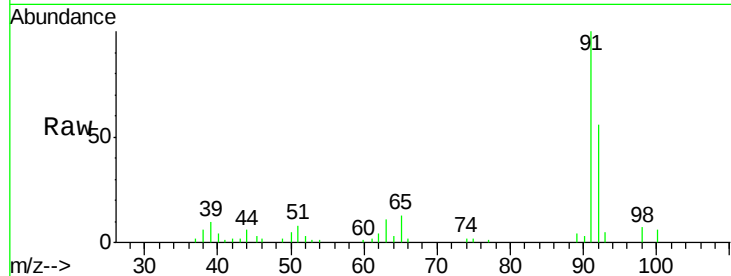
92 55.8 40.7 75.7

Manual Integrations

APPROVED

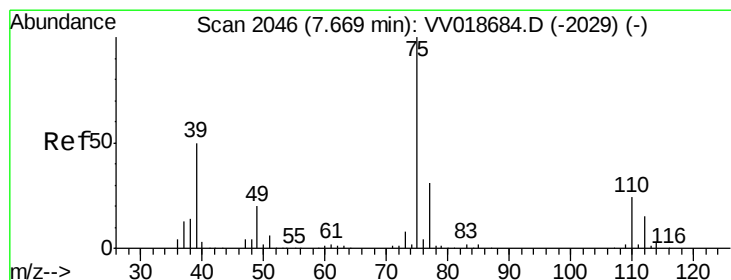
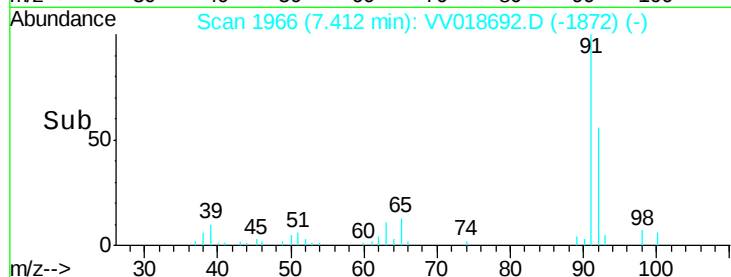
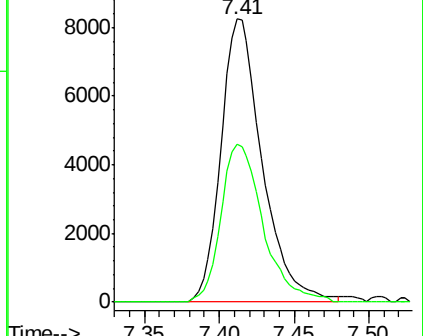
MMDadoda

10/12/2020 2:01:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VV018684.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018684.D (-1951) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.567 ug/L m

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018692.D

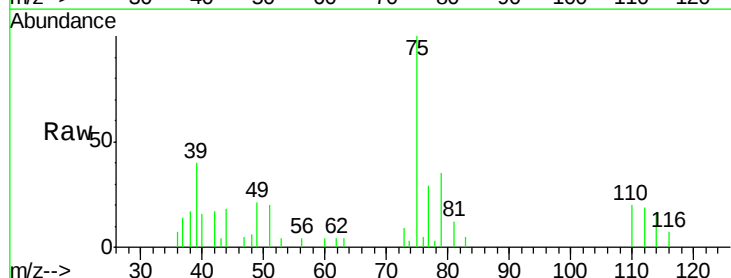
Acq: 06 Oct 2020 14:33

Tgt Ion: 75 Resp: 6477

Ion Ratio Lower Upper

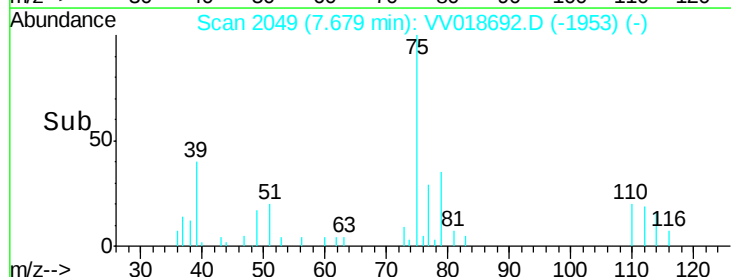
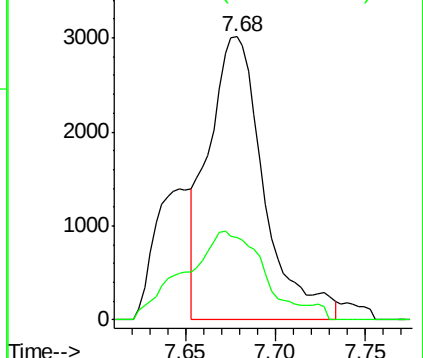
75 100

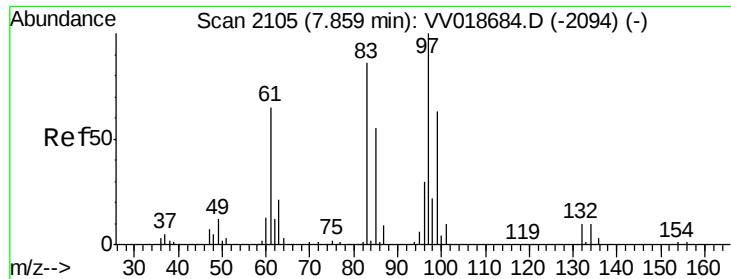
77 29.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV018684.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018684.D (-2029) (-)





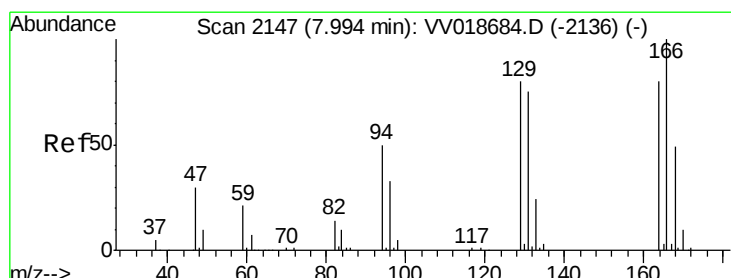
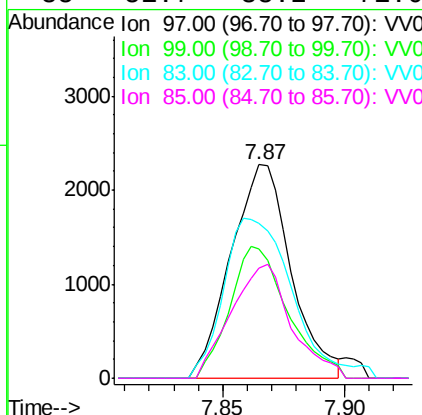
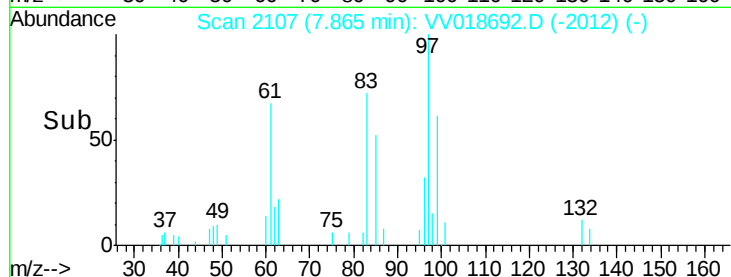
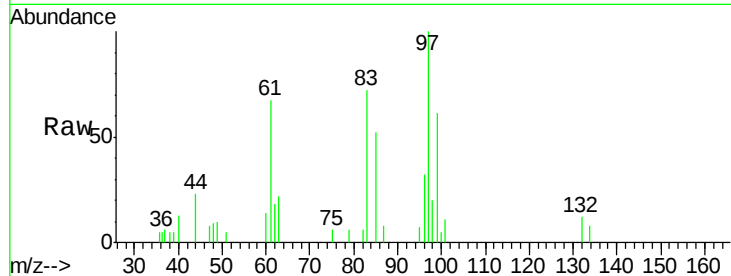
#45
 1,1,2-Trichloroethane
 Concen: 2.433 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:	97	Resp:	3886
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.6	82.8
83	72.4	60.5	112.5
85	51.7	38.2	71.0

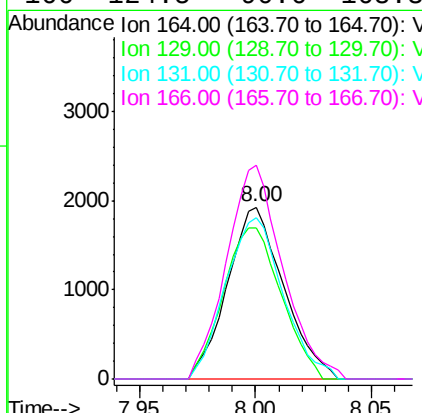
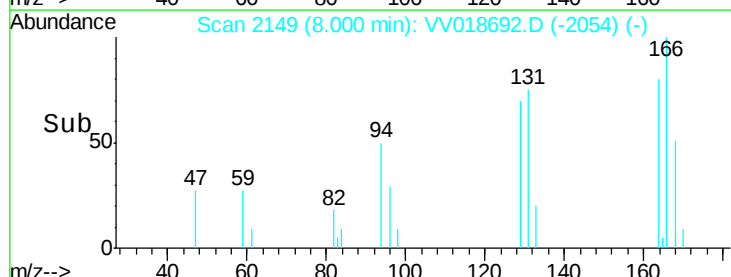
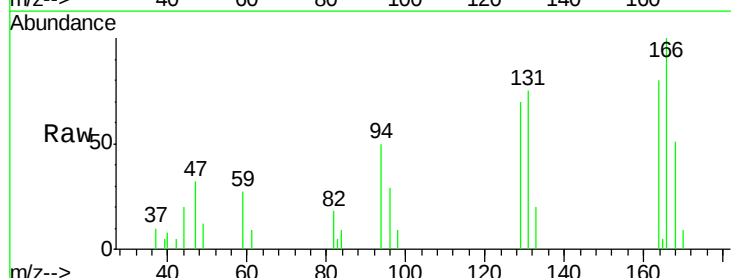
Manual Integrations
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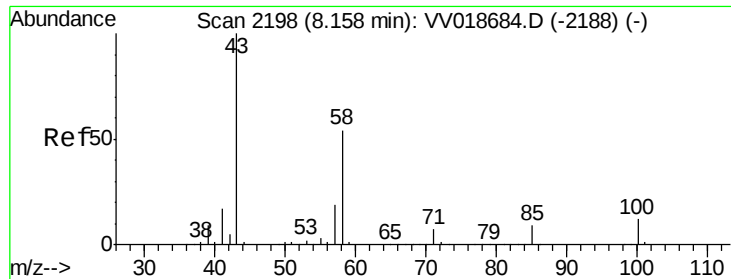
MMDadoda
 10/12/2020 2:01:04 PM



#46
 Tetrachloroethene
 Concen: 2.353 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion:	164	Resp:	3249
Ion	Ratio	Lower	Upper
164	100		
129	87.7	63.7	118.3
131	94.0	60.6	112.6
166	124.5	90.6	168.3





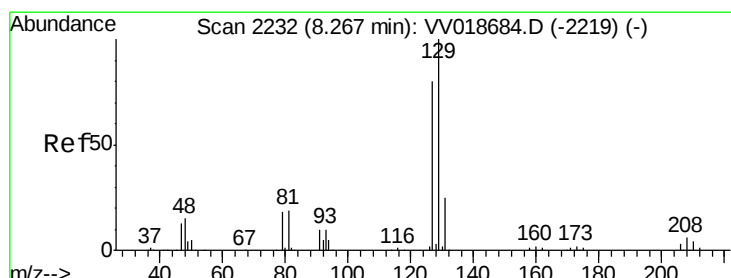
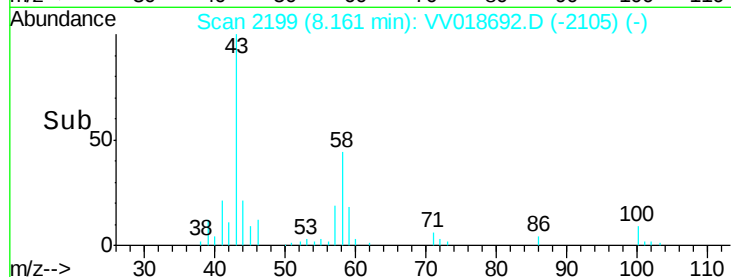
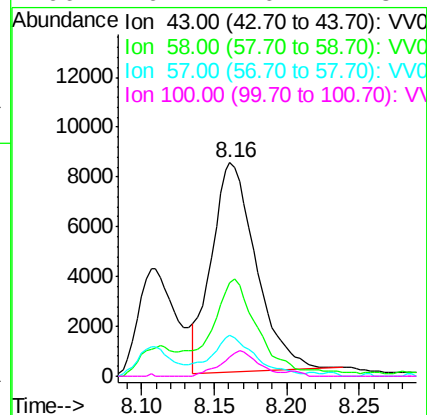
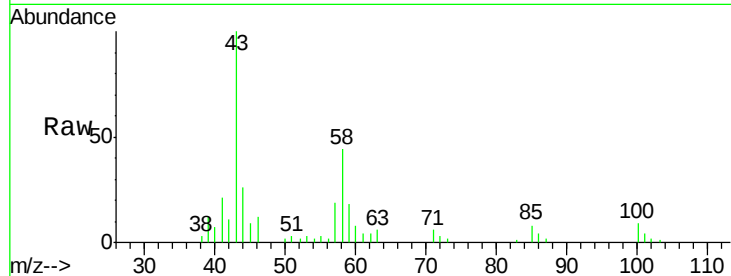
#48
2-Hexanone
Concen: 10.465 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	40.1	45.4	68.0	
57	17.8	16.0	24.0	
100	10.1	10.1	15.1	

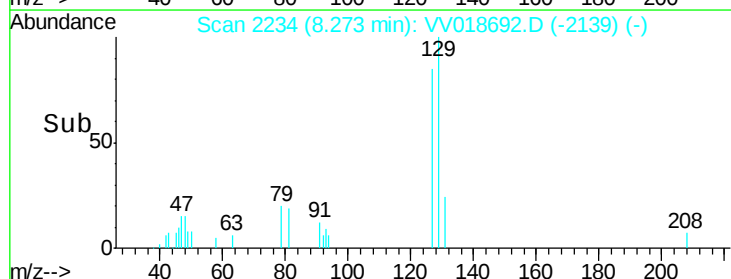
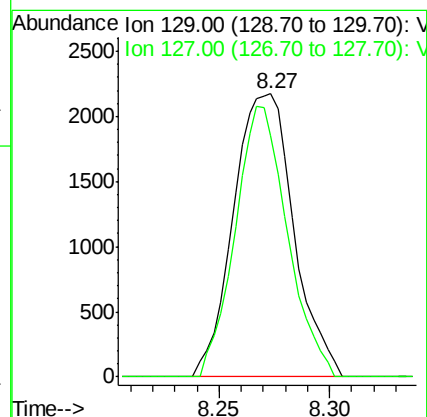
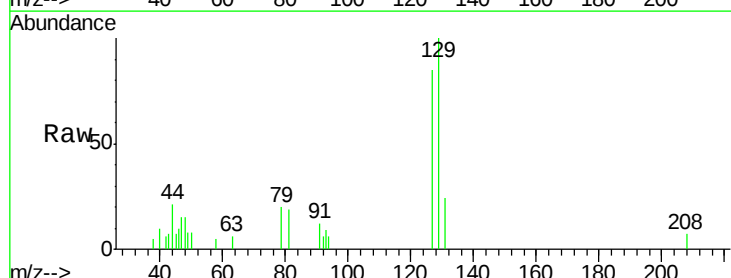
Manual Integrations
APPROVED

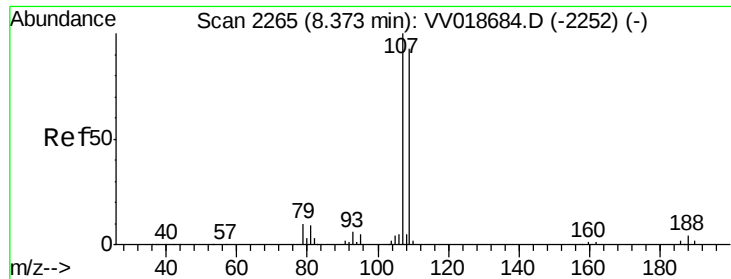
MMDadoda
10/12/2020 2:01:04 PM



#49
Dibromochloromethane
Concen: 2.319 ug/L
RT: 8.27 min Scan# 2234
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	85.2	53.5	99.5	





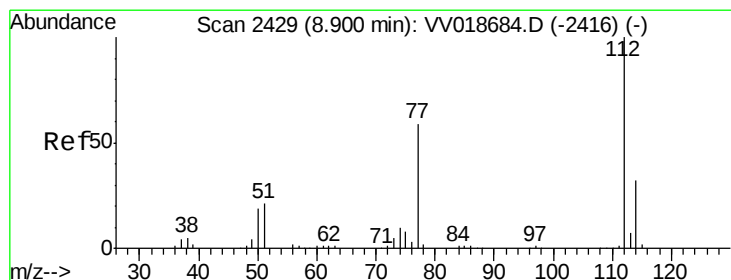
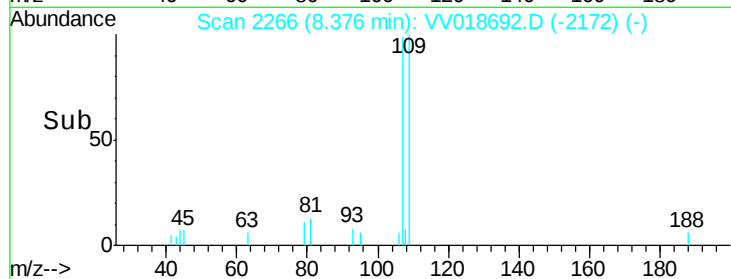
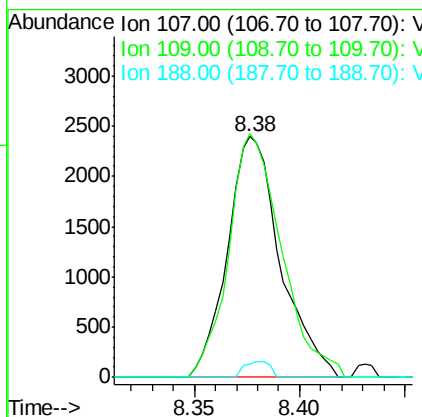
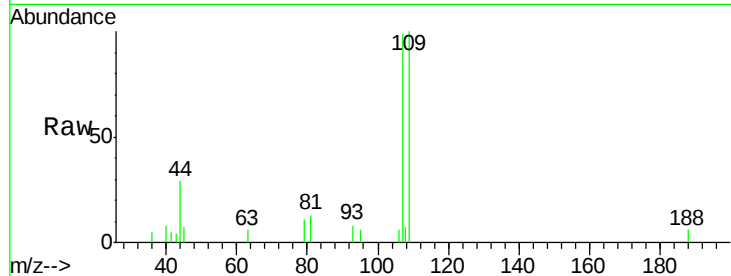
#50
1,2-Dibromoethane
Concen: 2.515 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.0	64.9	120.5
188	5.6	3.4	5.0#

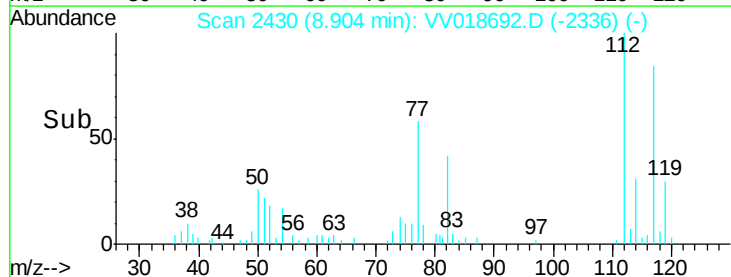
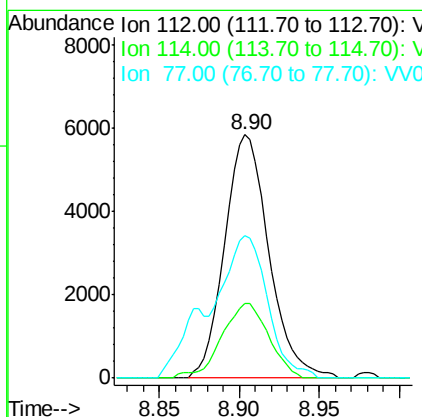
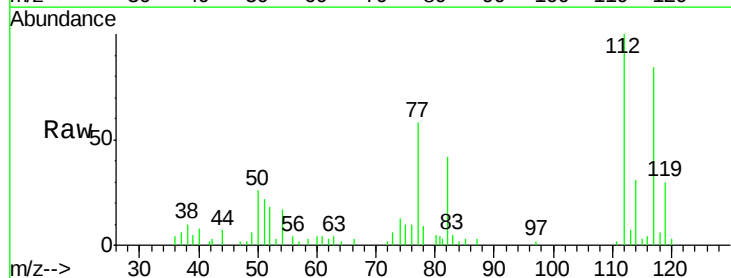
Manual Integrations
APPROVED

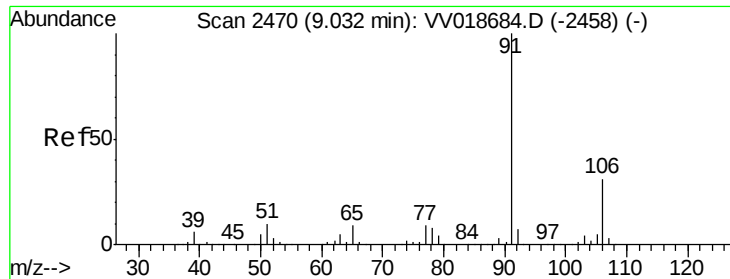
MMDadoda
10/12/2020 2:01:04 PM



#51
Chlorobenzene
Concen: 2.472 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.2	41.2
77	58.5	47.4	71.2





#52

Ethylbenzene

Concen: 2.122 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleID :

MDL02

Tot Ion: 91 Resp: 15721

Ion Ratio Lower Upper

91 100

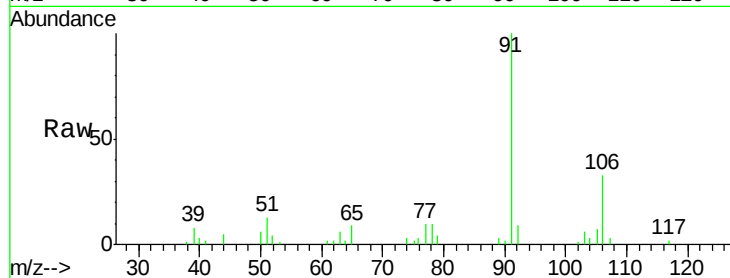
106 33.1 21.4 39.8

Manual Integrations

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MMDadoda

10/12/2020 2:01:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VV018692.D (-2470) (-)

Ion 106.00 (105.70 to 106.70): VV018692.D (-2470) (-)

9.04

10000

8000

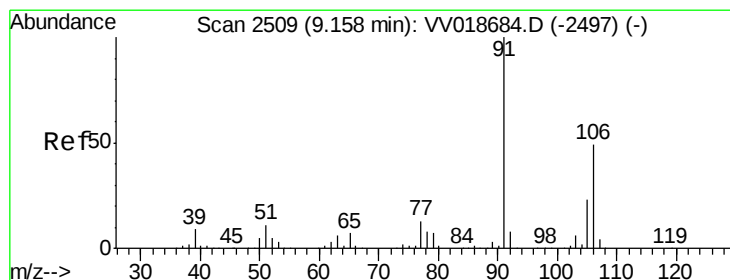
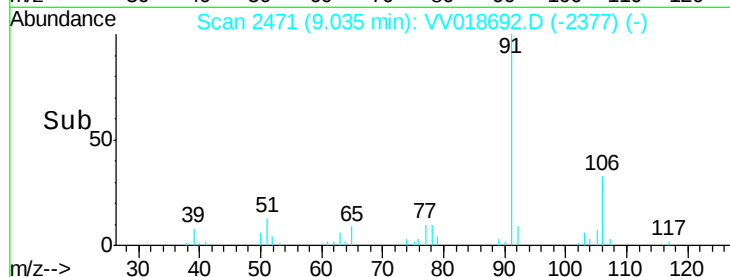
6000

4000

2000

0

Time-->



#53

m,p-Xylene

Concen: 2.297 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018692.D

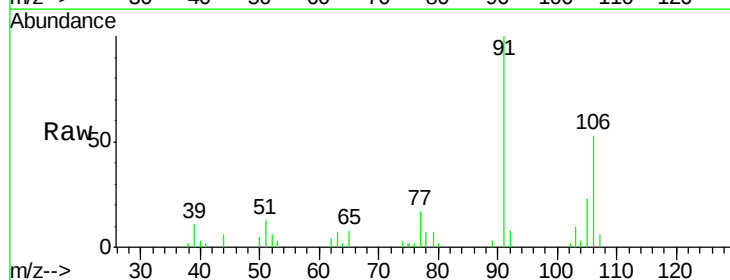
Acq: 06 Oct 2020 14:33

Tgt Ion: 106 Resp: 6353

Ion Ratio Lower Upper

106 100

91 187.4 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): VV018692.D (-2509) (-)

Ion 91.00 (90.70 to 91.70): VV018692.D (-2509) (-)

9.16

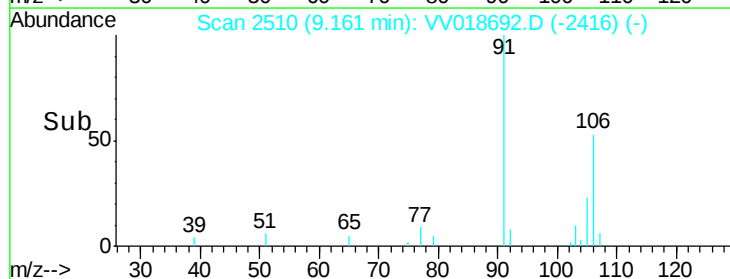
6000

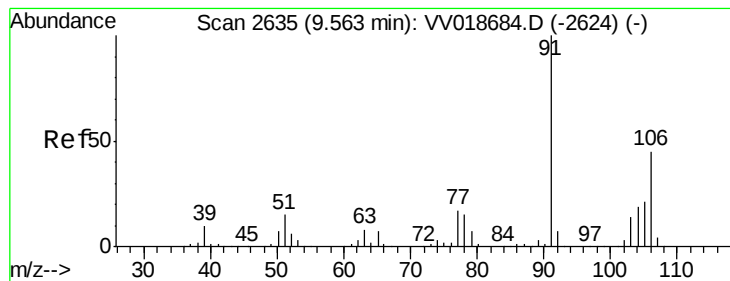
4000

2000

0

Time-->





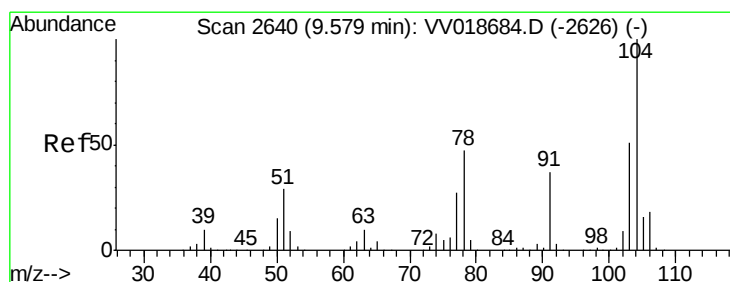
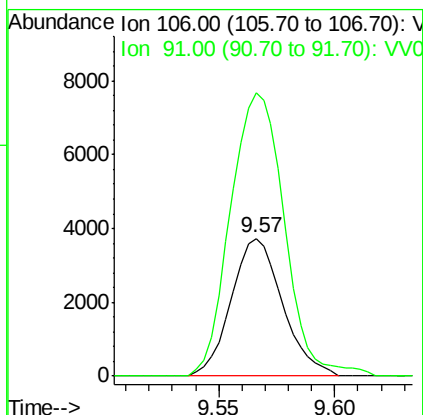
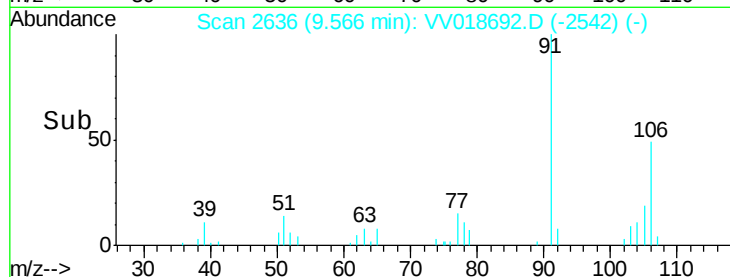
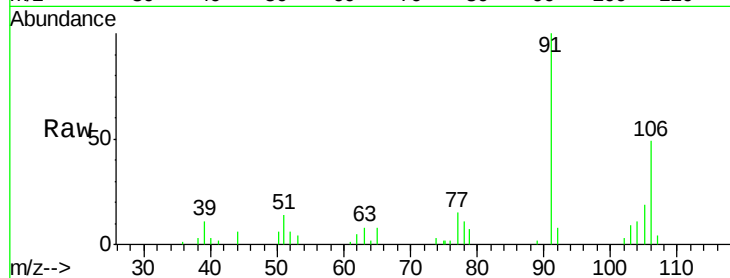
#54
o-Xylene
Concen: 2.158 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:106 Resp: 5751
Ion Ratio Lower Upper
106 100
91 205.1 154.7 287.3

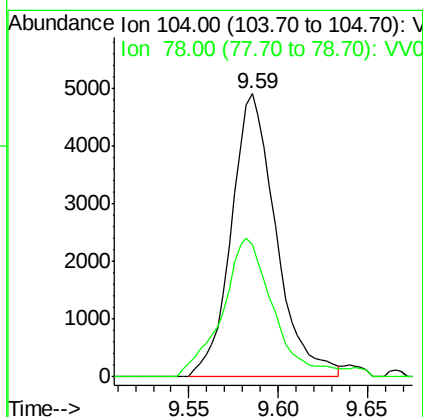
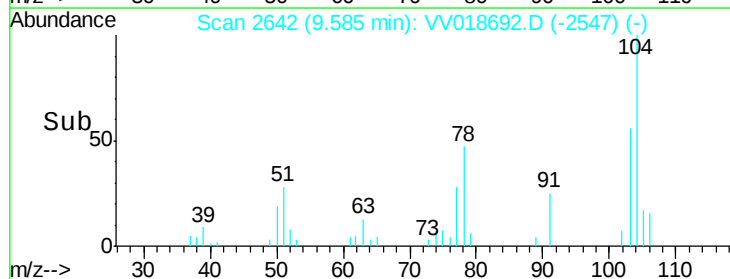
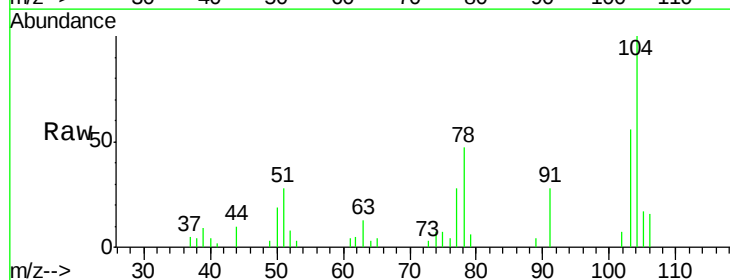
Manual Integrations
APPROVED

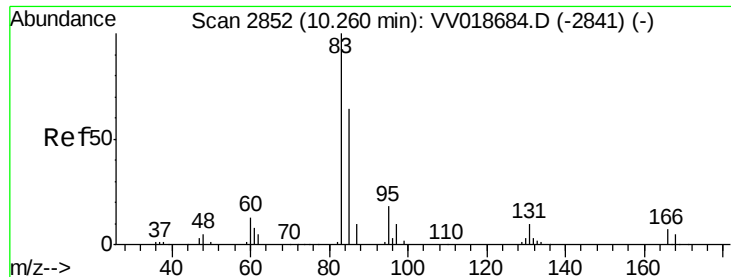
MMDadoda
10/12/2020 2:01:04 PM



#55
Styrene
Concen: 1.836 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion:104 Resp: 8559
Ion Ratio Lower Upper
104 100
78 46.7 32.1 59.5





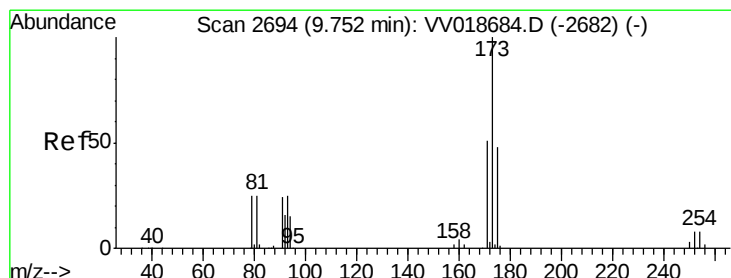
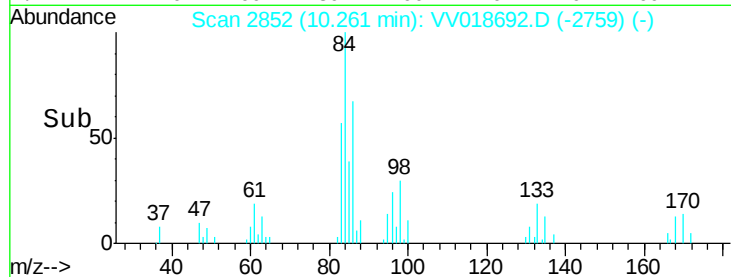
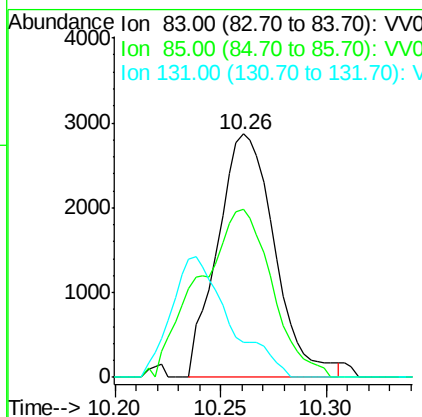
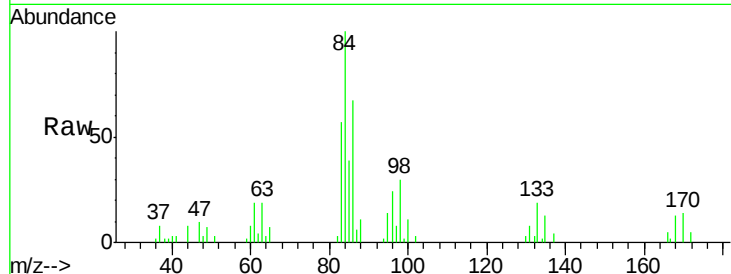
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.314 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
83	100		
85	68.9	44.4	82.5
131	14.5	7.8	11.6#

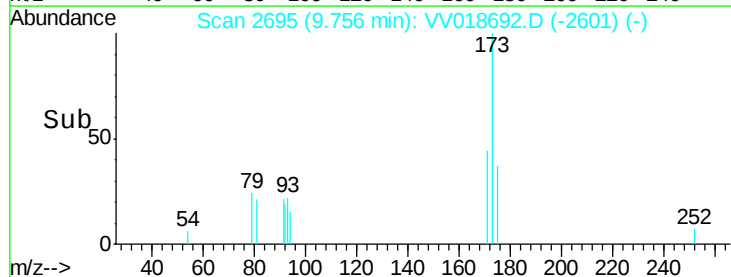
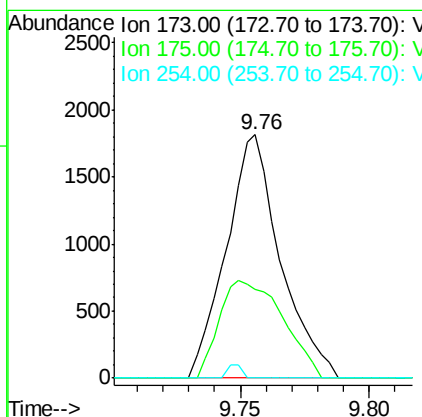
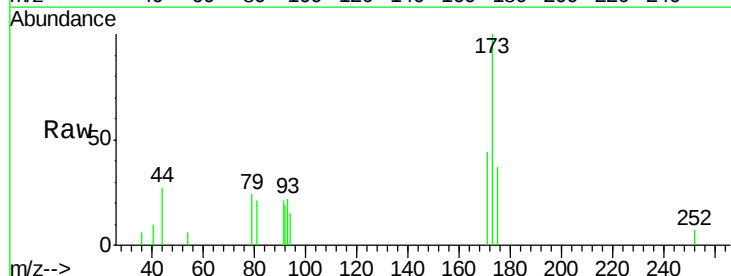
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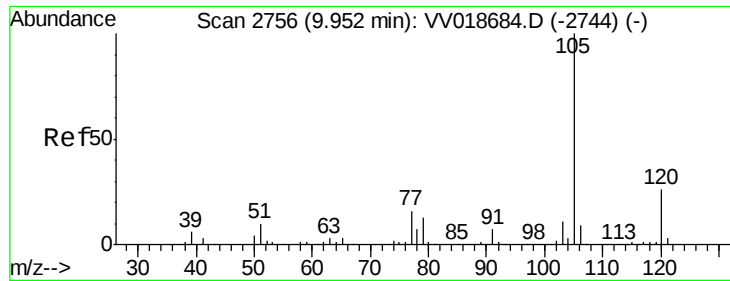
MMDadoda
 10/12/2020 2:01:04 PM



#59
 Bromoform
 Concen: 2.327 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.0	39.4	59.2
254	1.5	8.7	13.1#





#60

Isopropylbenzene

Concen: 2.286 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

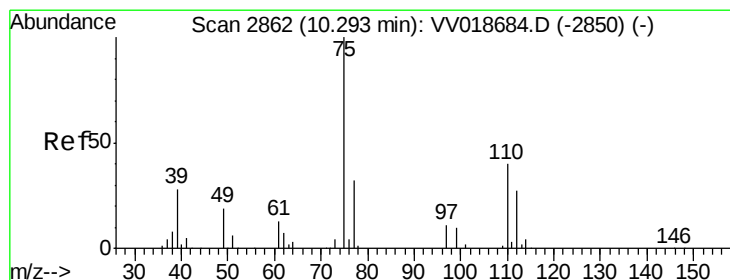
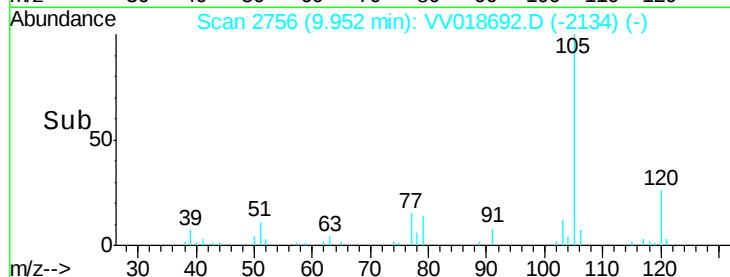
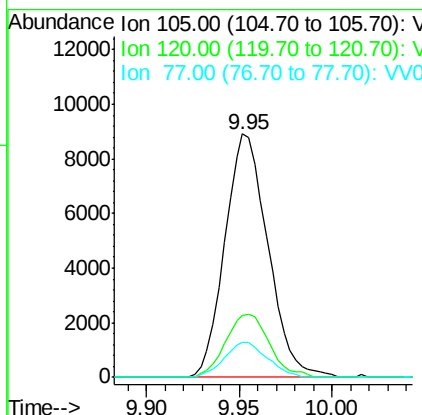
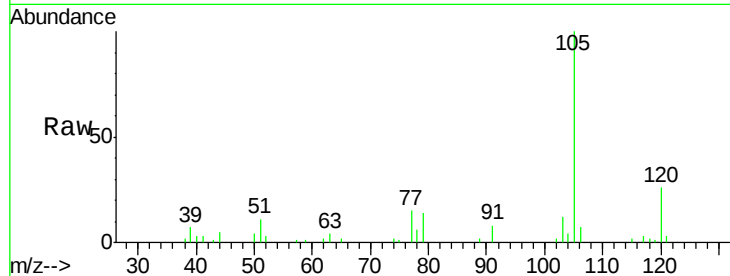
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	14372
Ion Ratio	Lower	Upper	
105	100		
120	26.3	20.8	31.2
77	14.5	12.8	19.2

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#61

1,2,3-Trichloropropane

Concen: 2.982 ug/L

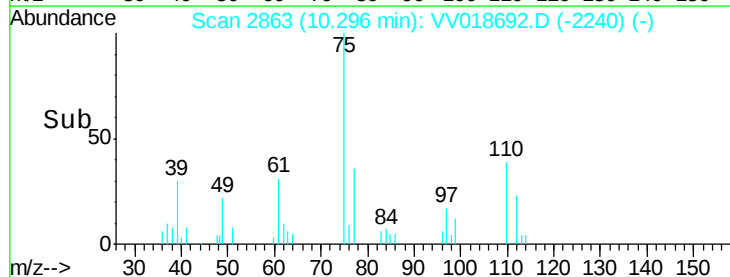
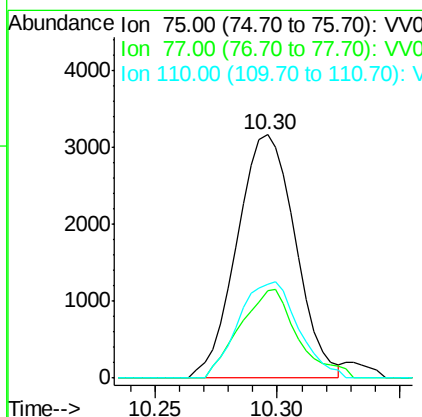
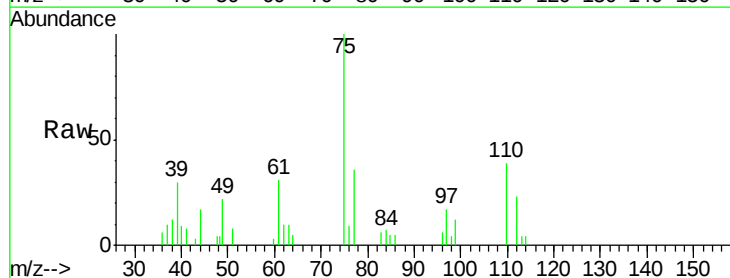
RT: 10.30 min Scan# 2863

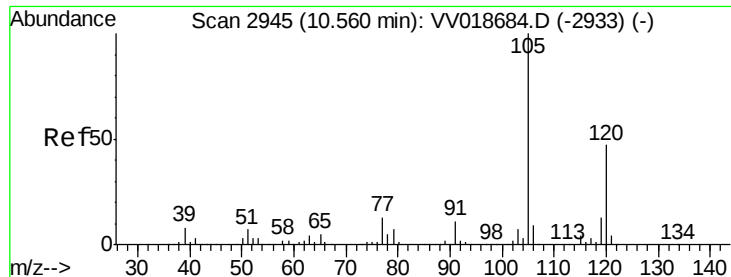
Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Tgt Ion:	75	Resp:	5279
Ion Ratio	Lower	Upper	
75	100		
77	35.8	25.8	38.8
110	40.3	31.5	47.3





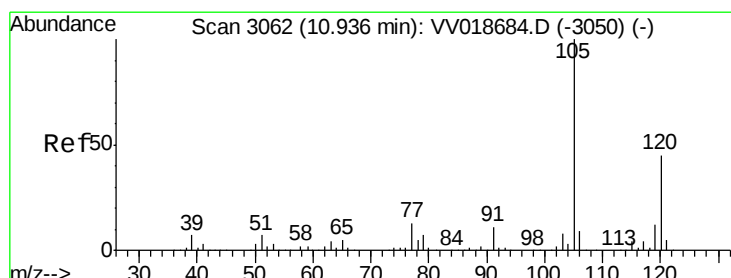
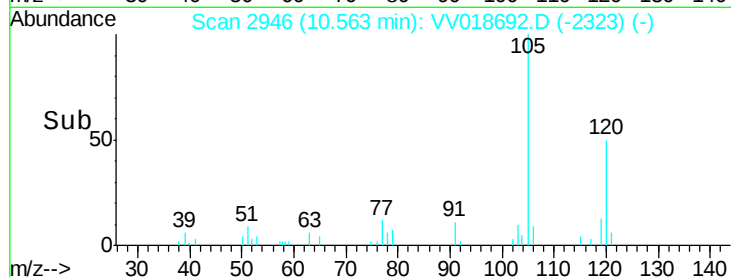
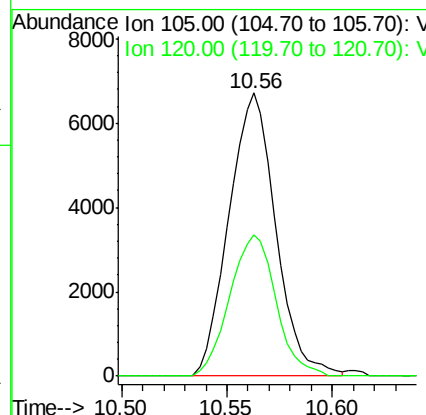
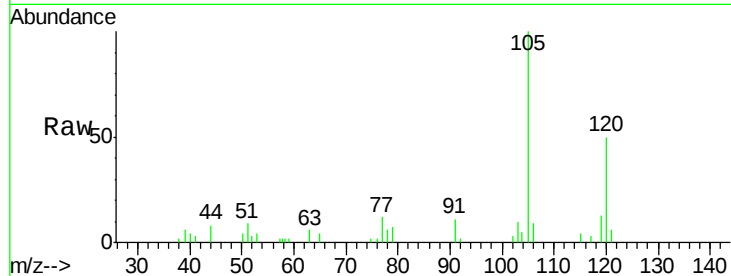
#62
 1,3,5-Trimethylbenzene
 Concen: 2.043 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion:105 Resp: 10398
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.1 58.7

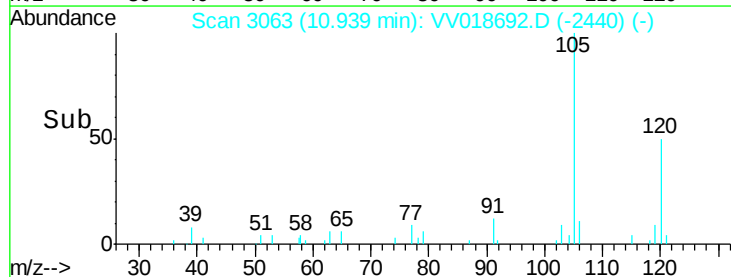
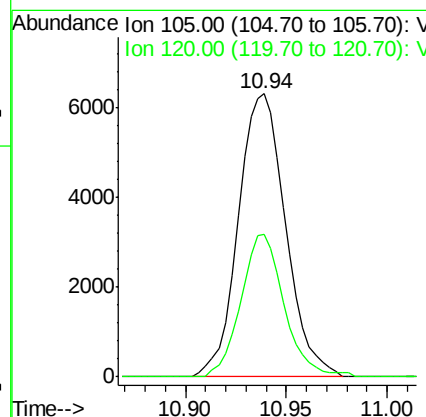
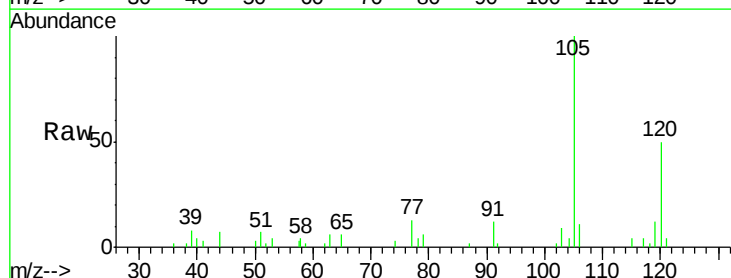
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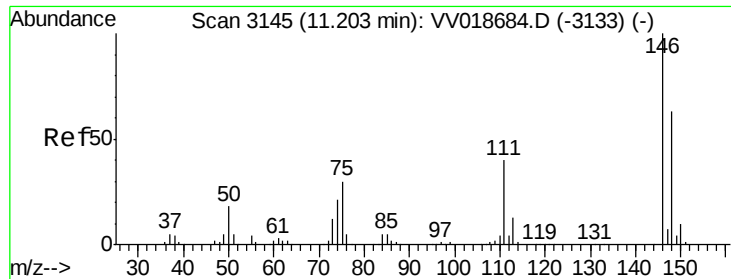
MMDadoda
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.983 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion:105 Resp: 10359
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.2





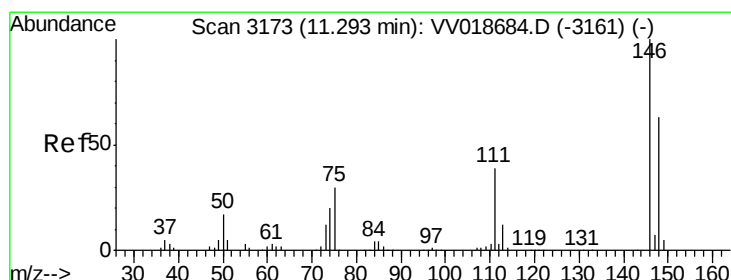
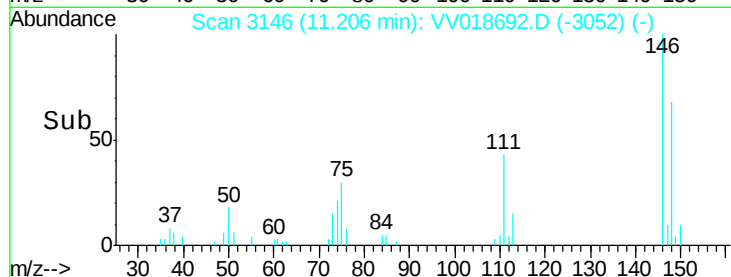
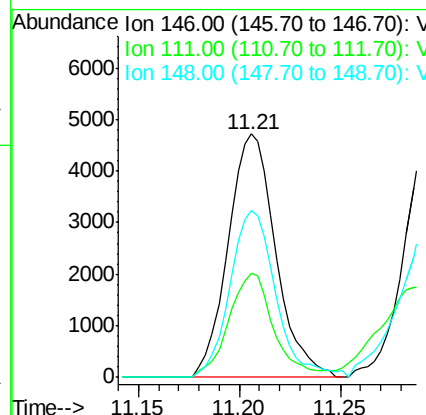
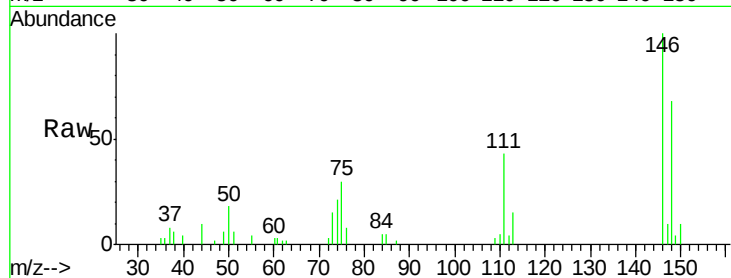
#64
 1,3-Dichlorobenzene
 Concen: 2.430 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	27.6	51.4
148	68.4	44.2	82.2

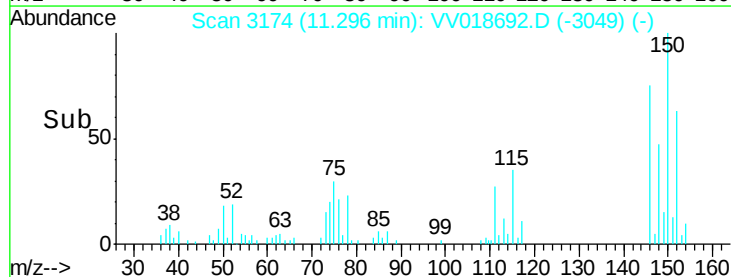
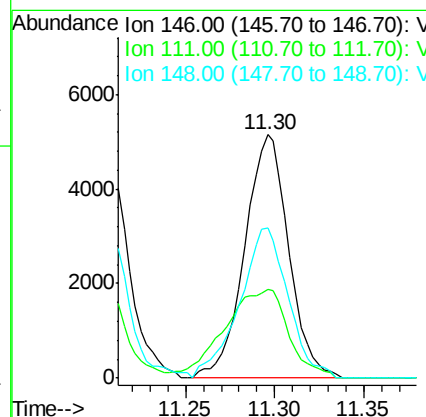
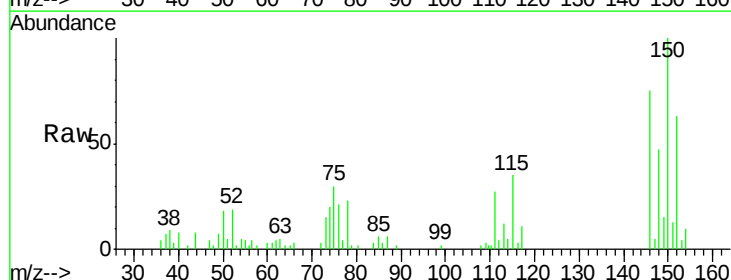
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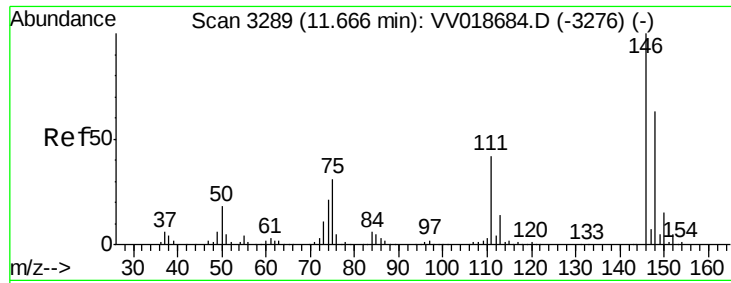
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#65
 1,4-Dichlorobenzene
 Concen: 2.649 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.6	49.4
148	61.9	44.3	82.3





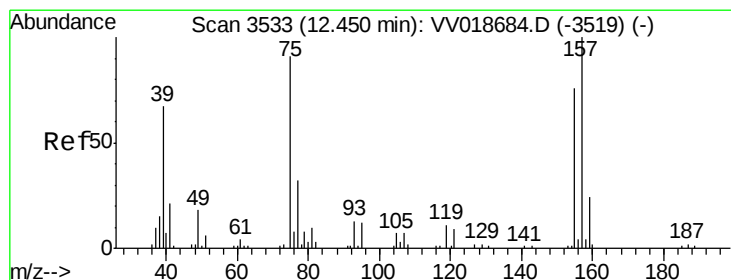
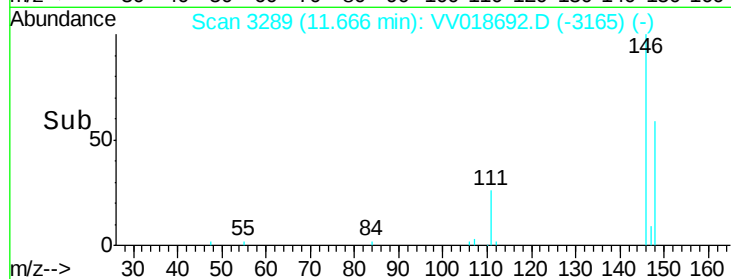
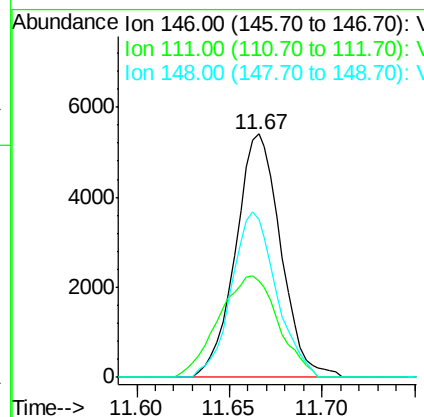
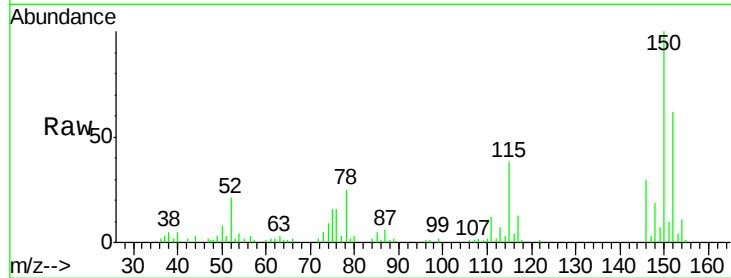
#67
 1,2-Dichlorobenzene
 Concen: 2.839 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	32.6	49.0
148	65.1	51.0	76.6

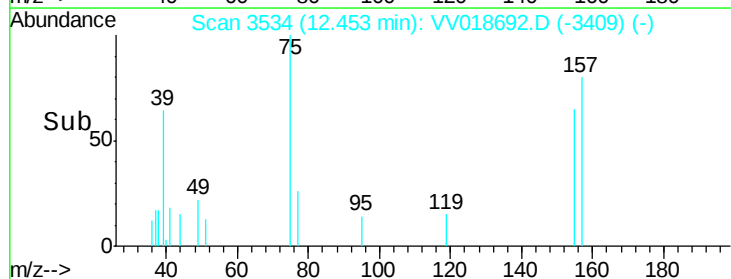
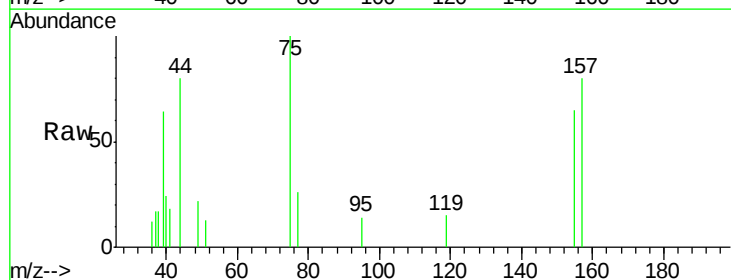
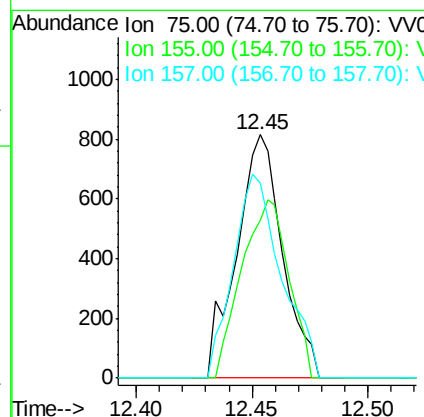
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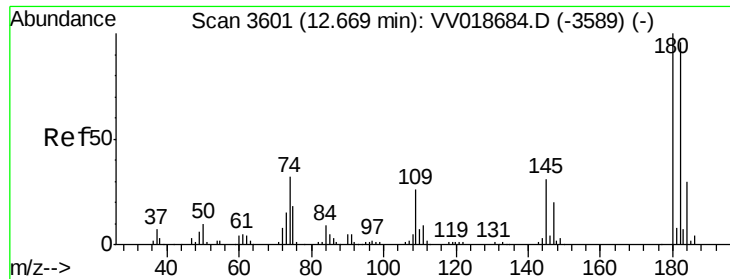
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.518 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.0	67.6	101.4#
157	80.1	88.7	133.1#





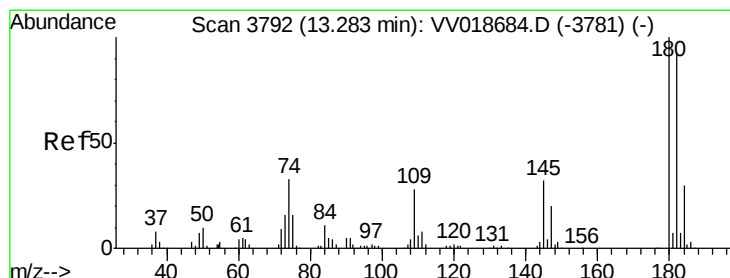
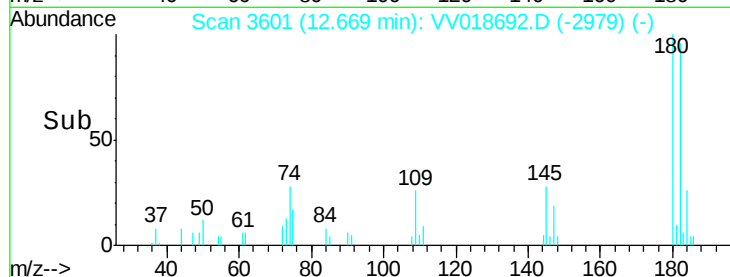
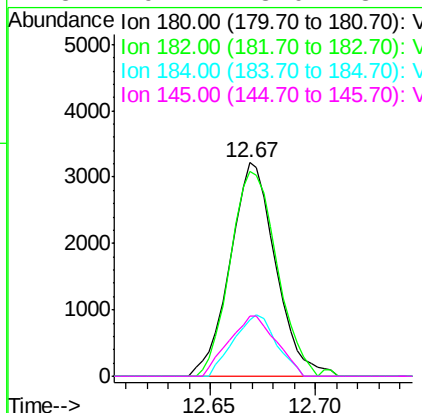
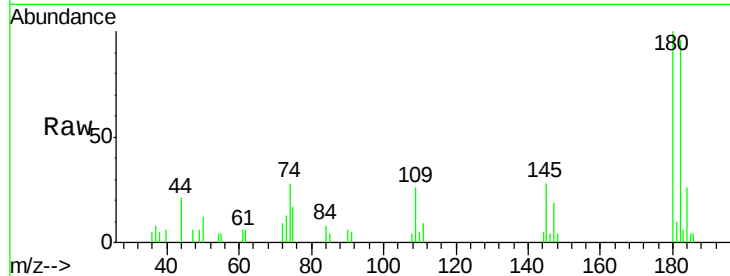
#69
 1,3,5-Trichlorobenzene
 Concen: 1.942 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.6	115.0
184	26.9	24.8	37.2
145	29.2	23.0	34.4

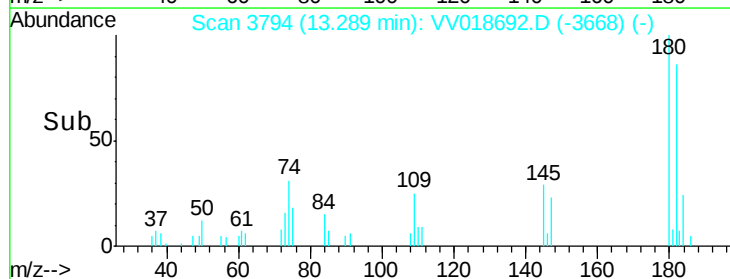
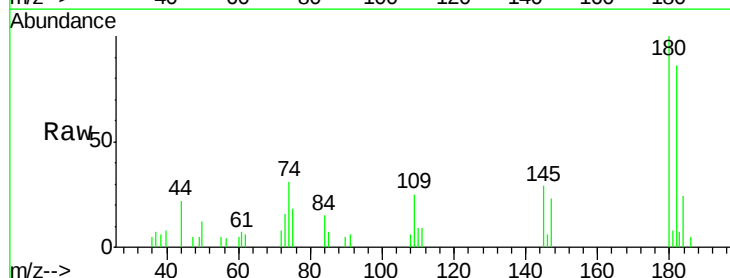
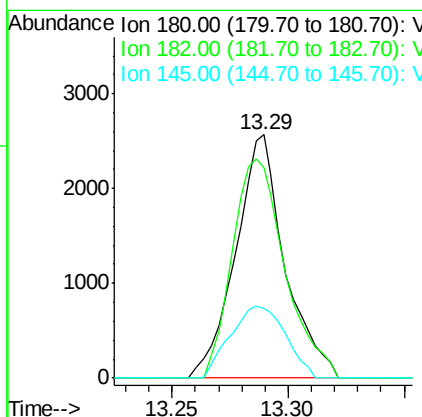
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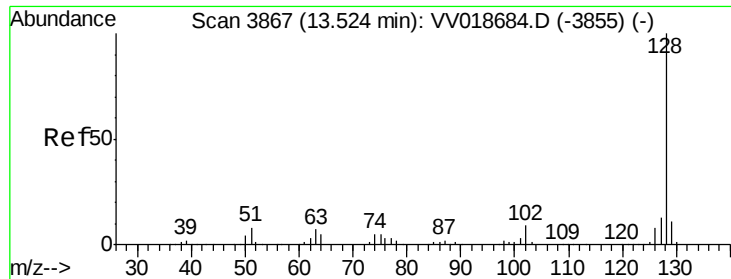
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#70
 1,2,4-trichlorobenzene
 Concen: 1.695 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.6
145	33.1	23.0	34.4





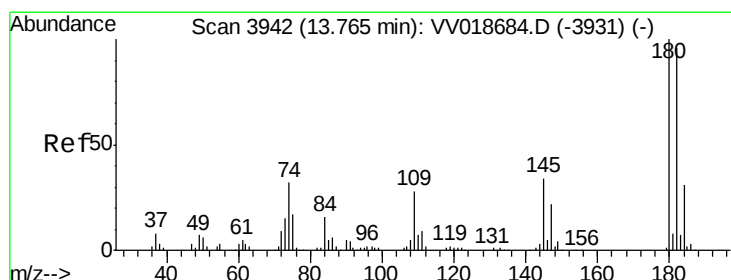
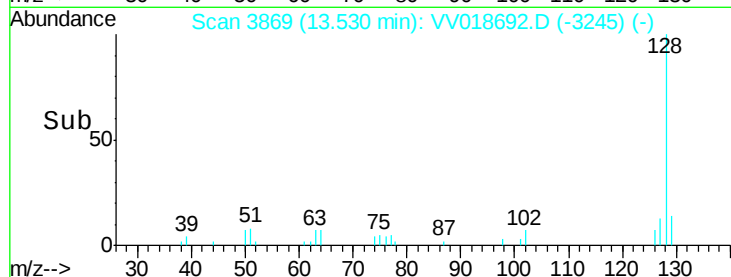
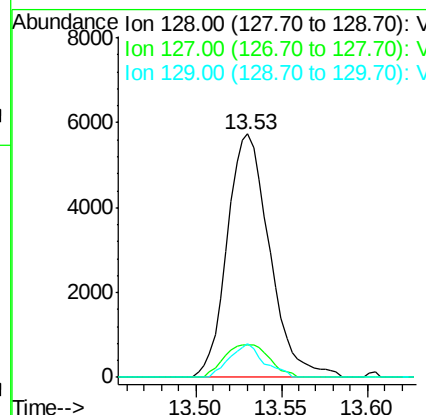
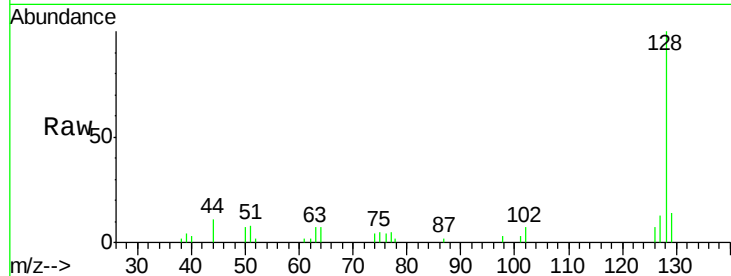
#71
Naphthalene
Concen: 1.703 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.795 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.0	77.1	115.7
145	33.1	25.0	37.6

