

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018413.D
 Acq On : 23 Sep 2020 15:17
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 1:22:47 PM

Quant Time: Sep 24 08:11:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:48:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	292633	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	289527	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	146980	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84137	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.68%
7) Chloroethane-d5	1.58	69	74956	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.12	63	131751	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.22%
21) 2-Butanone-d5	3.92	46	131538	101.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.06%
24) Chloroform-d	4.37	84	174879	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
26) 1,2-Dichloroethane-d4	5.05	65	116546	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
32) Benzene-d6	5.07	84	353455	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.09	67	115767	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.50%
41) Toluene-d8	7.33	98	319741	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%
43) trans-1,3-Dichloropropene-	7.64	79	55871	47.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.72%
47) 2-Hexanone-d5	8.11	63	81954	94.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.71%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	137749	45.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.26%
66) 1,2-Dichlorobenzene-d4	11.65	152	140865	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4218	1.953 ug/L	95
3) Chloromethane	1.25	50	5203	2.172 ug/L	99
5) Vinyl chloride	1.32	62	5392	2.200 ug/L #	73
6) Bromomethane	1.53	94	3190	2.048 ug/L	96
8) Chloroethane	1.60	64	3453	2.186 ug/L	100
9) Trichlorofluoromethane	1.77	101	7065	2.027 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5722	2.678 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	5047	2.484 ug/L #	1
13) Acetone	2.20	43	5556	3.375 ug/L	72
14) Carbon disulfide	2.31	76	12415	2.152 ug/L	98
15) Methyl Acetate	2.46	43	4682	2.155 ug/L	98
16) Methylene chloride	2.52	84	5513	2.396 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	4214	2.049 ug/L	95
18) Methyl tert-butyl Ether	2.78	73	12448	1.947 ug/L	98
19) 1,1-Dichloroethane	3.21	63	8302	2.079 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	4658m	2.100 ug/L	
22) 2-Butanone	4.04	43	3986m	2.439 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2209	1.860	ug/L	95
25) Chloroform	4.40	83	10297	2.550	ug/L	96
27) 1,2-Dichloroethane	5.16	62	6587	2.106	ug/L	98
29) Cyclohexane	4.70	56	6543	1.942	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	7216	2.026	ug/L	98
31) Carbon tetrachloride	4.85	117	6112	1.969	ug/L	99
33) Benzene	5.13	78	18516	2.135	ug/L	100
34) Trichloroethene	5.94	95	5462	2.291	ug/L	96
35) Methylcyclohexane	6.15	83	7296	2.108	ug/L	94
37) 1,2-Dichloropropane	6.20	63	4268	1.861	ug/L #	86
38) Bromodichloromethane	6.54	83	5971	1.990	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	6787	1.973	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	9917	3.644	ug/L	97
42) Toluene	7.41	91	18794	2.066	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	5997m	1.758	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	4203	1.947	ug/L	94
46) Tetrachloroethene	8.00	164	3900	2.089	ug/L	95
48) 2-Hexanone	8.16	43	13896	6.026	ug/L #	92
49) Dibromochloromethane	8.27	129	4563	1.898	ug/L	94
50) 1,2-Dibromoethane	8.38	107	4354	1.937	ug/L	90
51) Chlorobenzene	8.90	112	12888	2.120	ug/L	93
52) Ethylbenzene	9.04	91	19609	1.959	ug/L	98
53) m,p-Xylene	9.16	106	6957	1.861	ug/L	97
54) o-Xylene	9.57	106	6615	1.837	ug/L	91
55) Styrene	9.59	104	10052	1.596	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	6672	2.119	ug/L #	92
59) Bromoform	9.76	173	3351	2.040	ug/L #	90
60) Isopropylbenzene	9.95	105	16794	1.854	ug/L	100
61) 1,2,3-Trichloropropane	10.30	75	5700	2.235	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	12895	1.759	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	12221	1.623	ug/L	100
64) 1,3-Dichlorobenzene	11.21	146	9287	2.017	ug/L	91
65) 1,4-Dichlorobenzene	11.30	146	10783	2.235	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	10110	2.184	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.46	75	1109	1.721	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.67	180	7657	2.133	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	6486	2.016	ug/L	98
71) Naphthalene	13.53	128	12886	1.544	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	6172	1.909	ug/L	99

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

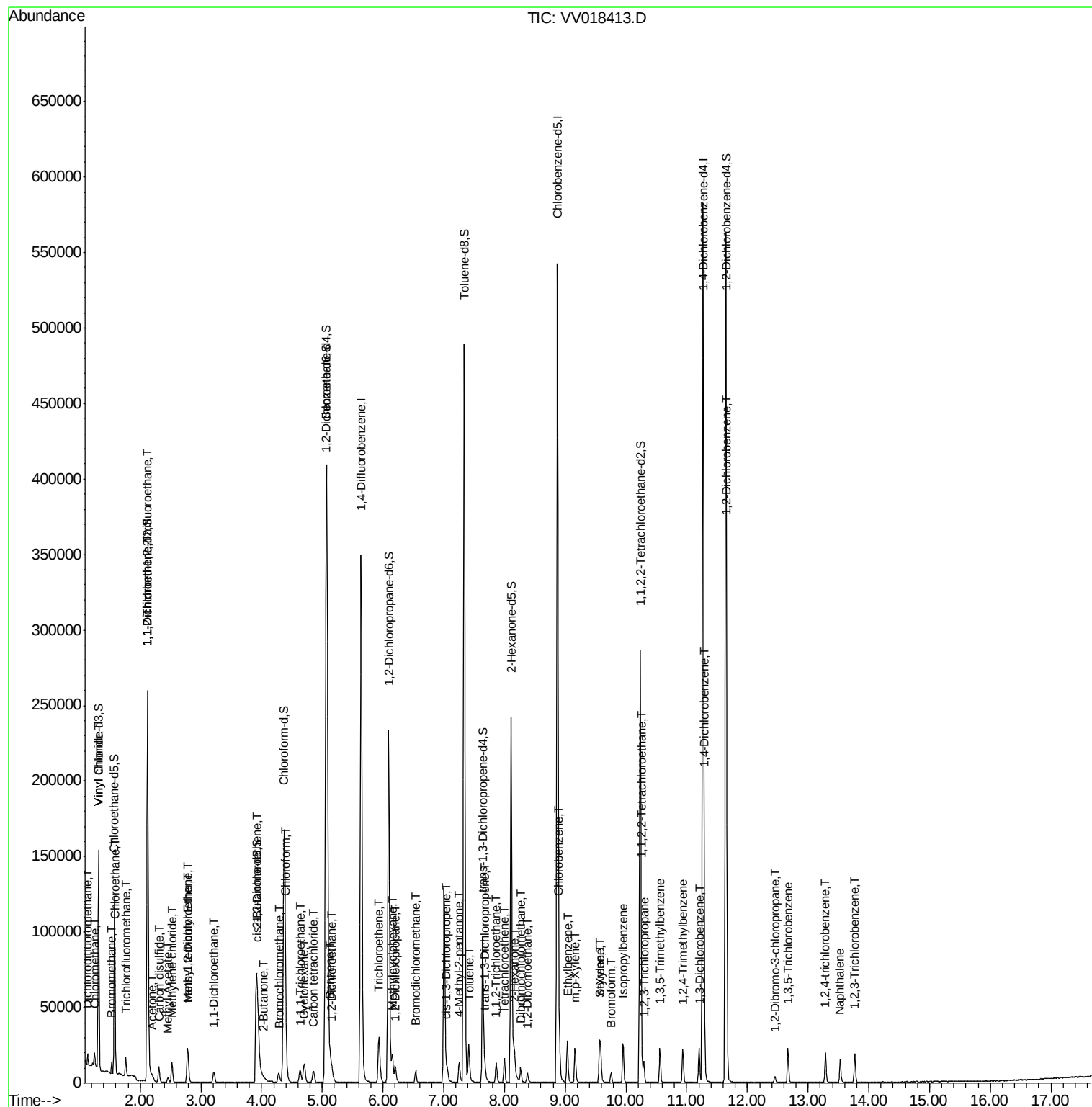
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
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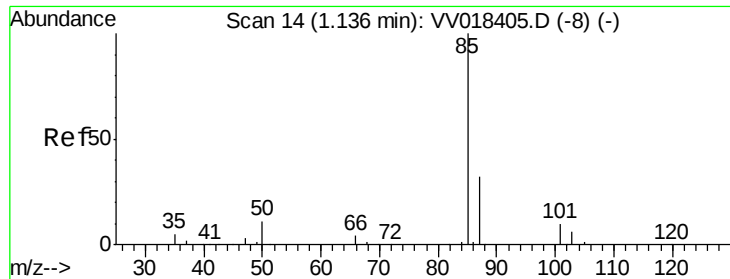
Instrument :
MSVOA_V
ClientSampleId :
MDL02

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.953 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 85 Resp: 4218

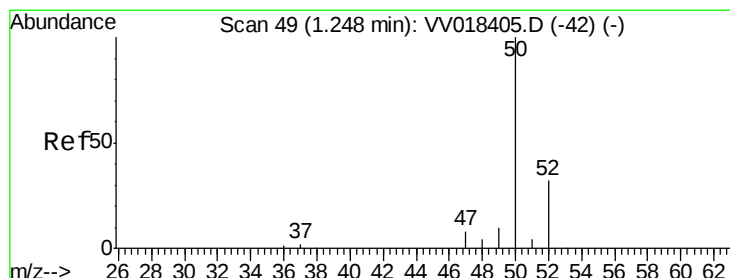
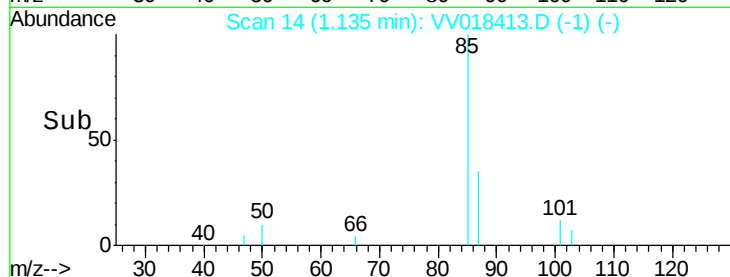
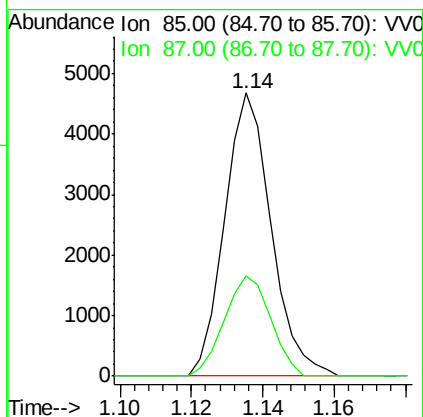
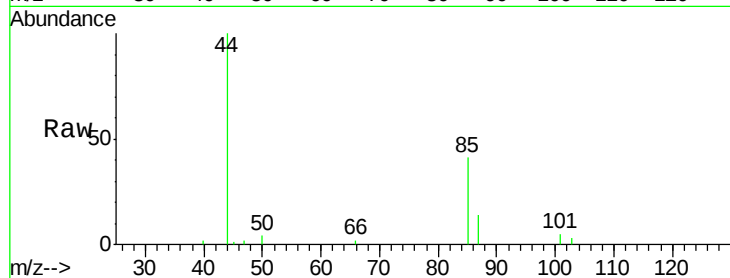
Ion Ratio Lower Upper

85 100

87 35.1 25.8 38.6

Manual Integrations
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#3

Chloromethane

Concen: 2.172 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018413.D

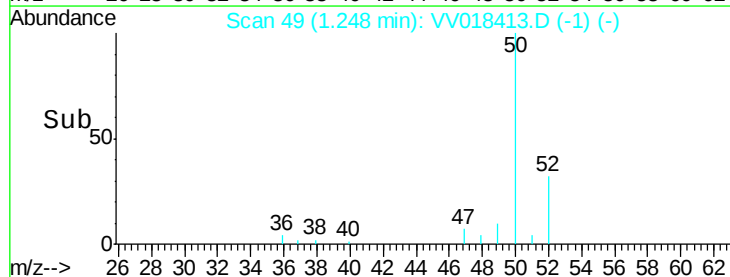
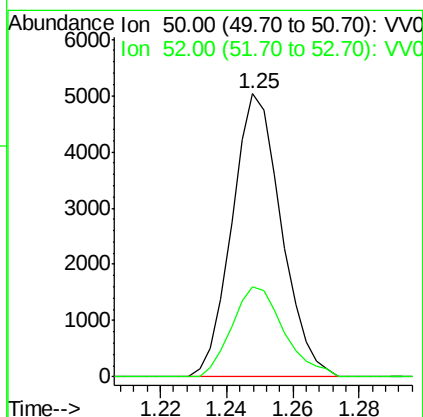
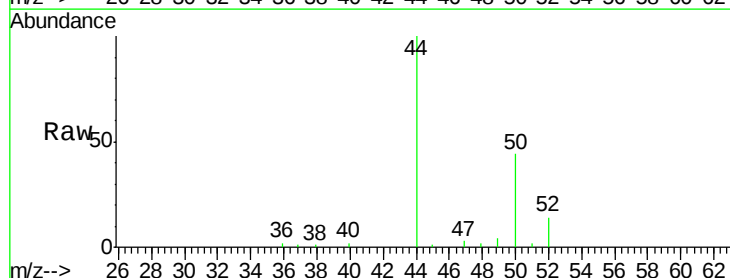
Acq: 23 Sep 2020 15:17

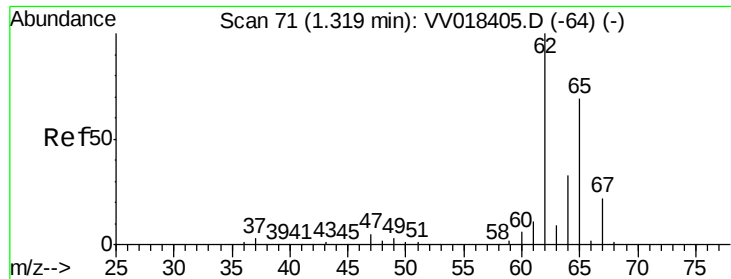
Tgt Ion: 50 Resp: 5203

Ion Ratio Lower Upper

50 100

52 31.7 22.5 41.9





#5

Vinyl chloride

Concen: 2.200 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 5392

Ion Ratio Lower Upper

62 100

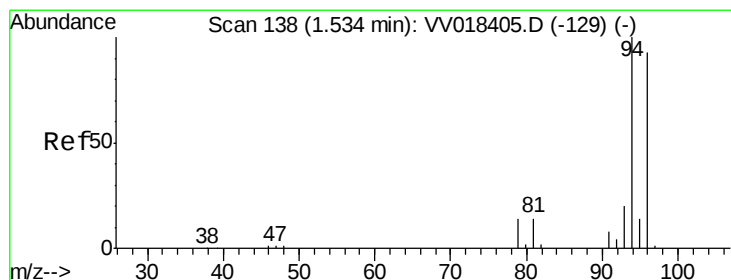
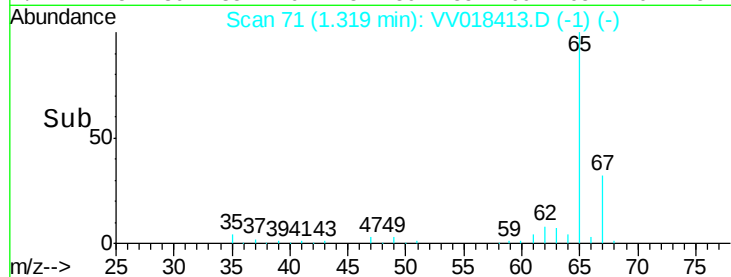
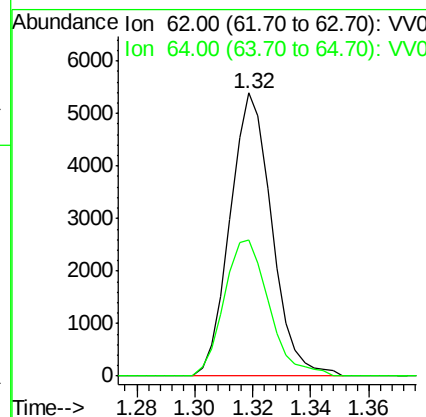
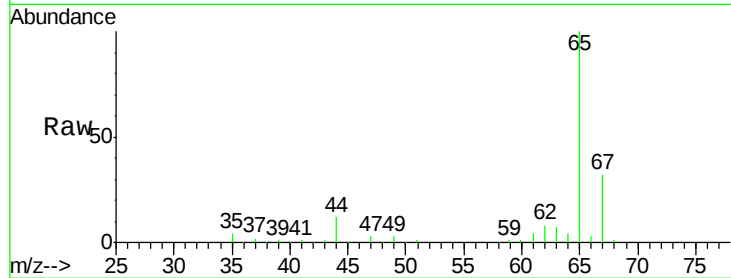
64 48.1 22.9 42.5#

Manual Integrations

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#6

Bromomethane

Concen: 2.048 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018413.D

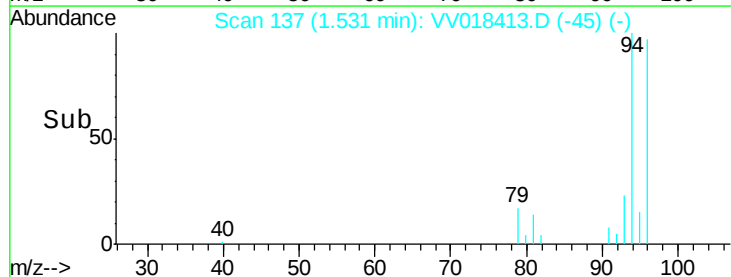
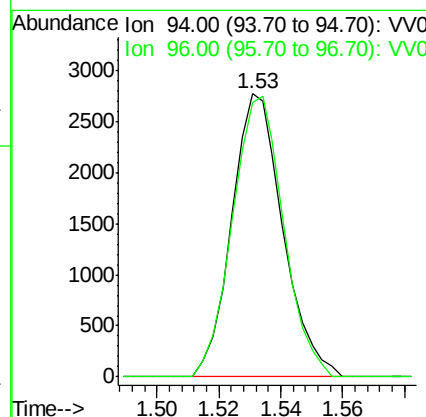
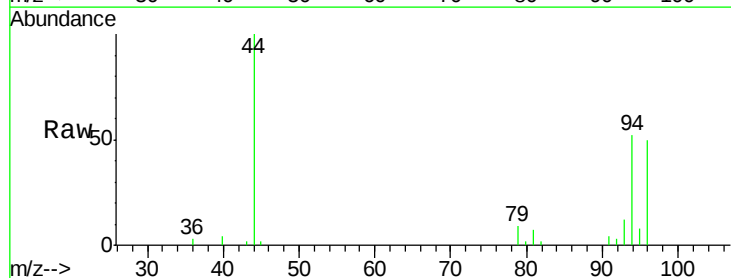
Acq: 23 Sep 2020 15:17

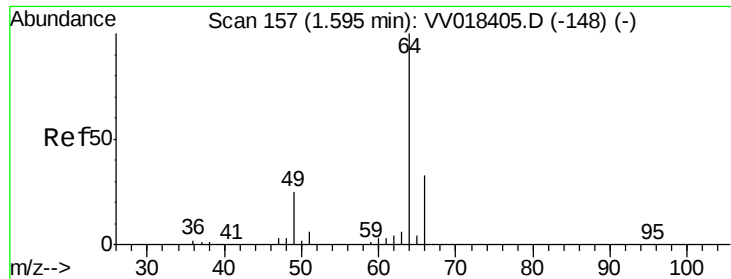
Tgt Ion: 94 Resp: 3190

Ion Ratio Lower Upper

94 100

96 97.1 65.4 121.4





#8

Chloroethane

Concen: 2.186 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 3453

Ion Ratio Lower Upper

64 100

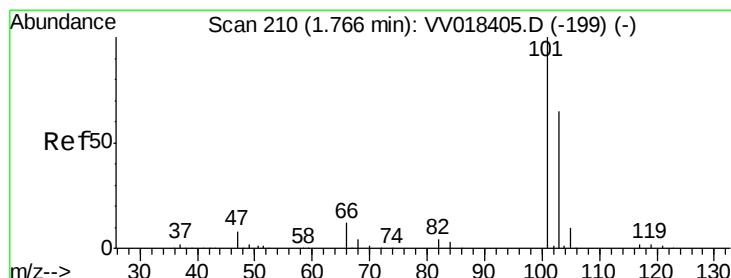
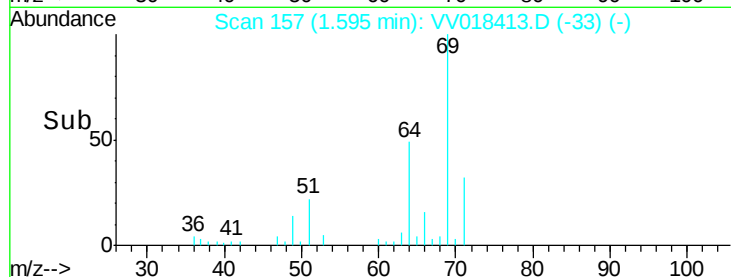
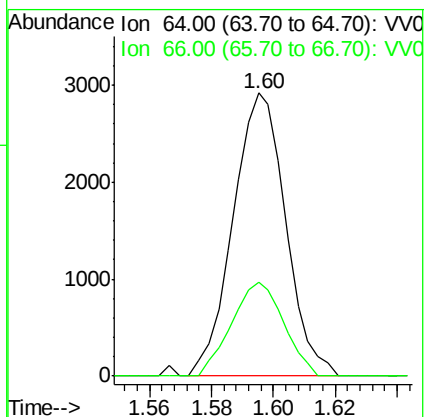
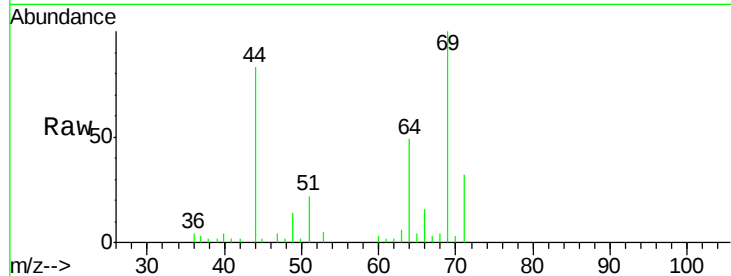
66 33.0 23.0 42.6

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.027 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018413.D

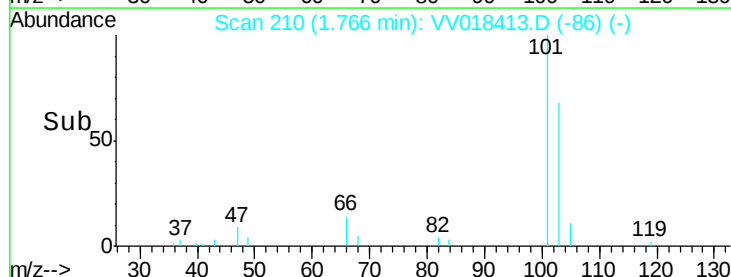
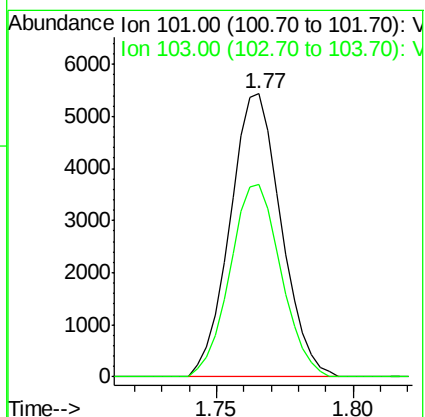
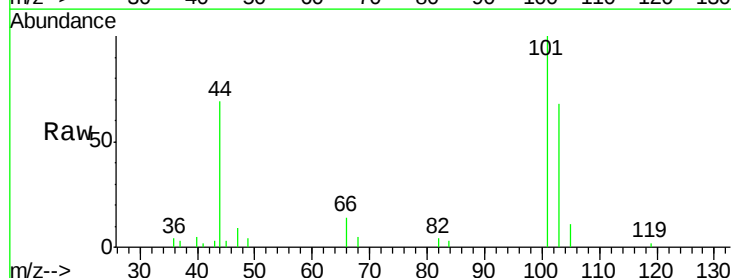
Acq: 23 Sep 2020 15:17

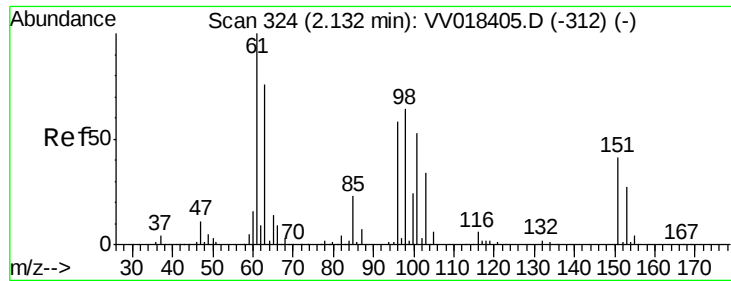
Tgt Ion: 101 Resp: 7065

Ion Ratio Lower Upper

101 100

103 67.8 52.1 78.1





#10

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

Concen: 2.678 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

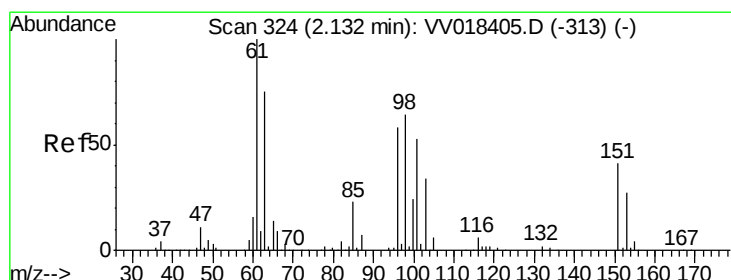
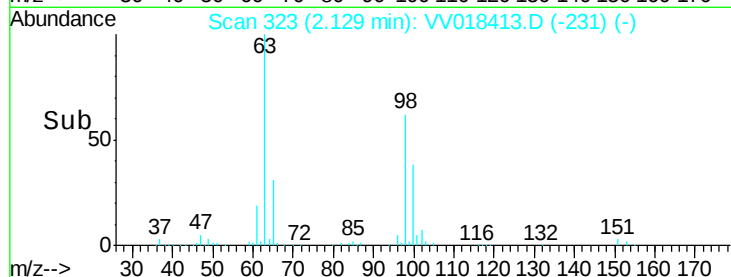
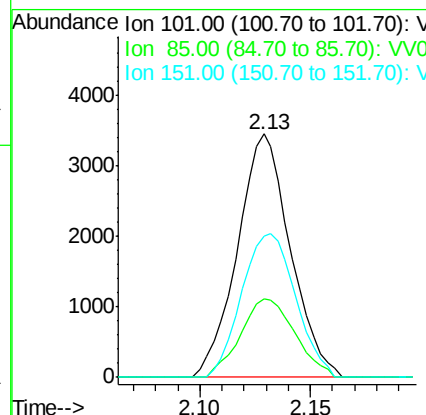
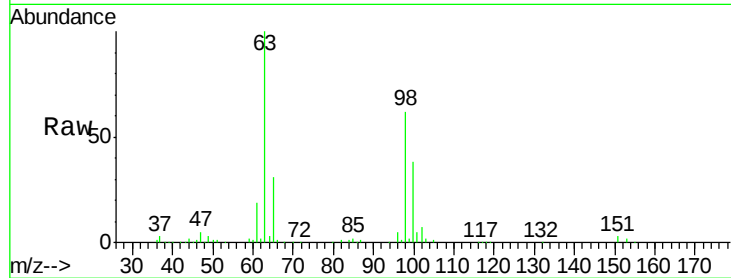
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	5722
Ion Ratio	Lower	Upper	
101	100		
85	33.2	34.6	51.8#
151	60.2	62.4	93.6#

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#12

1,1-Dichloroethene

Concen: 2.484 ug/L

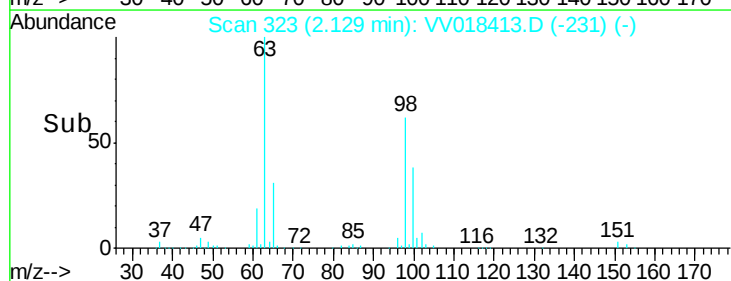
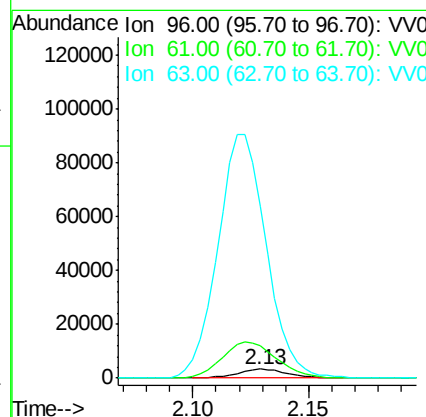
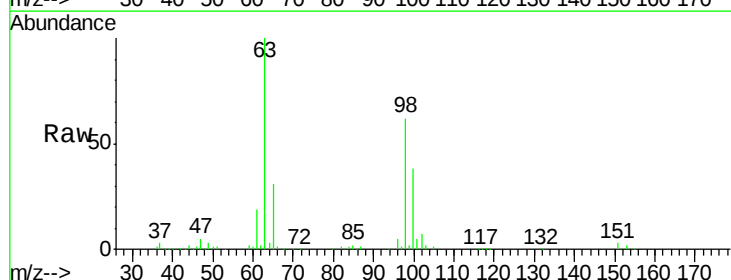
RT: 2.13 min Scan# 323

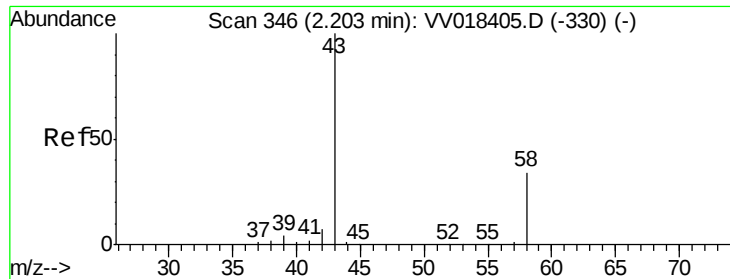
Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Tgt Ion:	96	Resp:	5047
Ion Ratio	Lower	Upper	
96	100		
61	359.5	121.0	224.8#
63	1934.5	93.0	172.6#





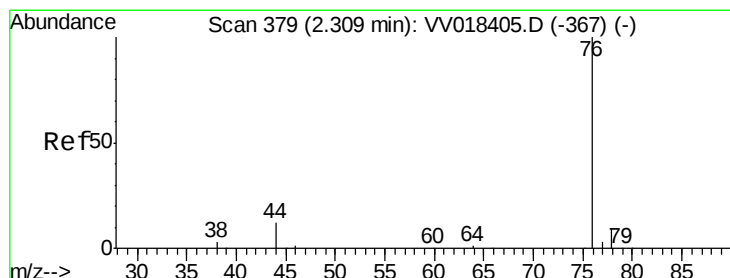
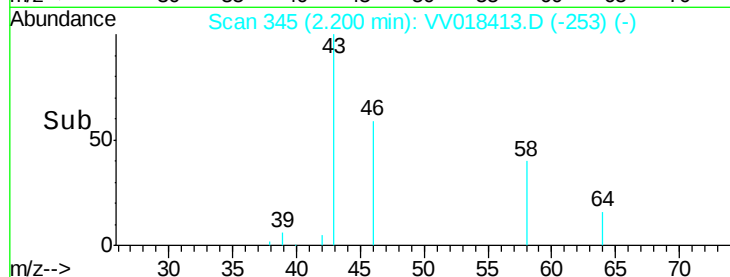
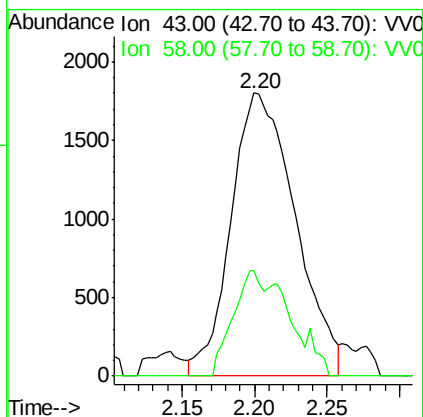
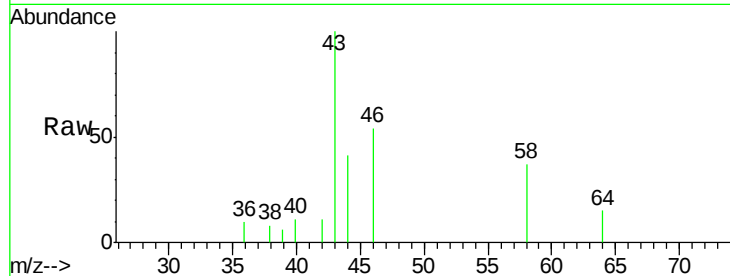
#13
Acetone
Concen: 3.375 ug/L
RT: 2.20 min Scan# 345
Delta R.T. -0.00 min
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Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 5556
Ion Ratio Lower Upper
43 100
58 17.1 0.0 65.8

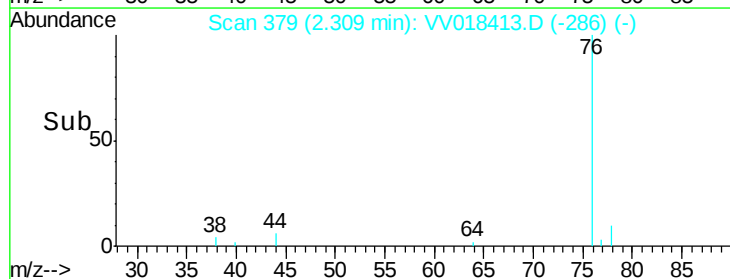
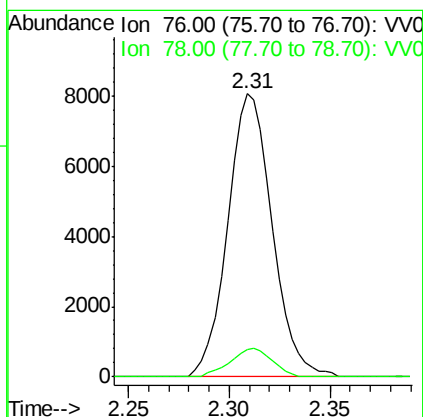
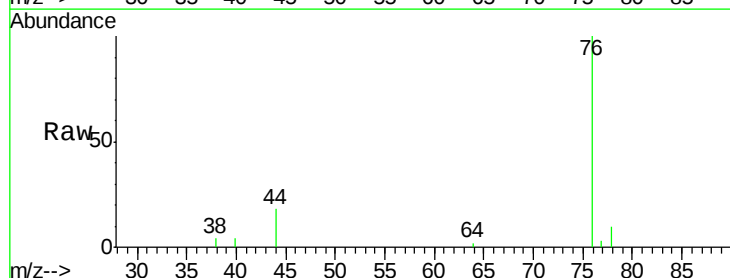
Manual Integrations
APPROVED

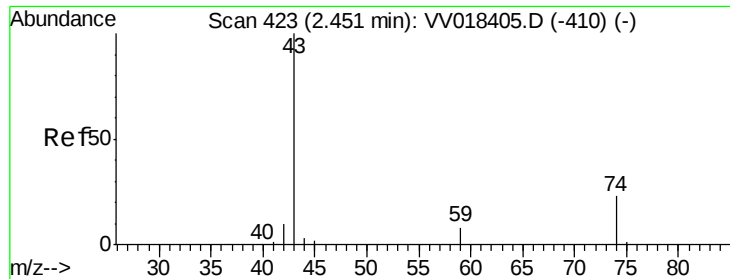
MMDadoda
10/5/2020 1:22:47 PM



#14
Carbon disulfide
Concen: 2.152 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion: 76 Resp: 12415
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8





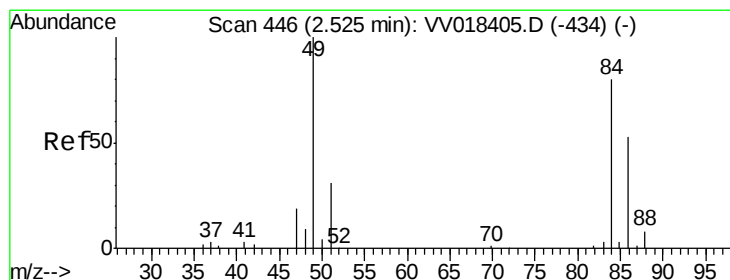
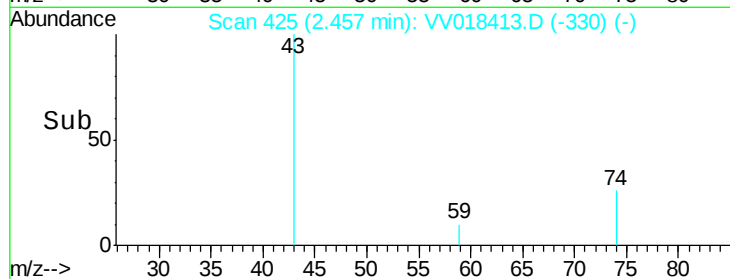
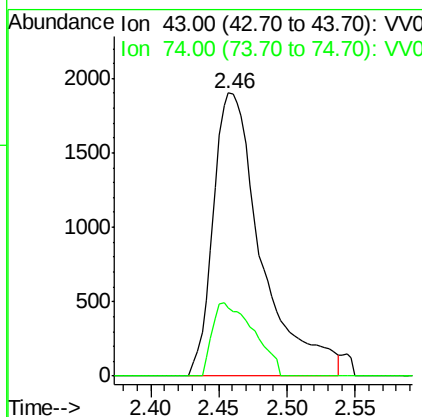
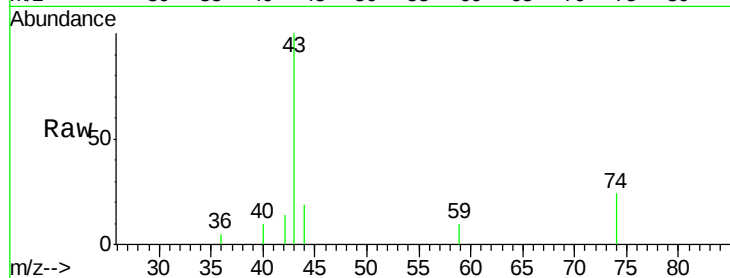
#15
Methvl Acetate
Concen: 2.155 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 4682
Ion Ratio Lower Upper
43 100
74 22.2 18.4 27.6

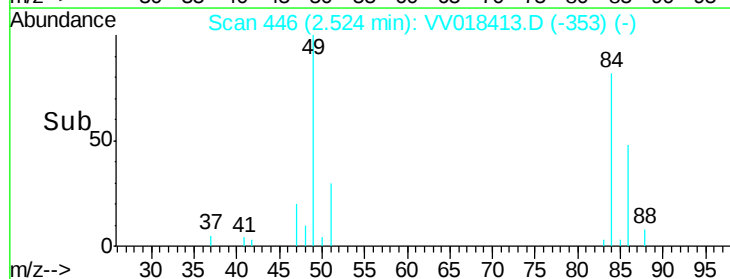
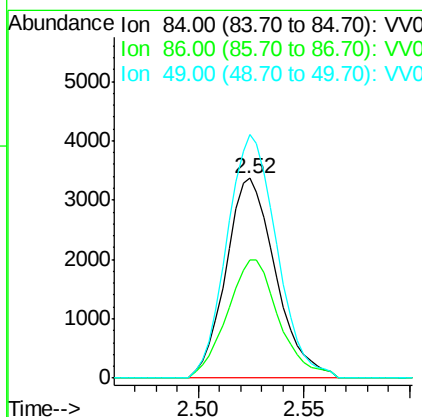
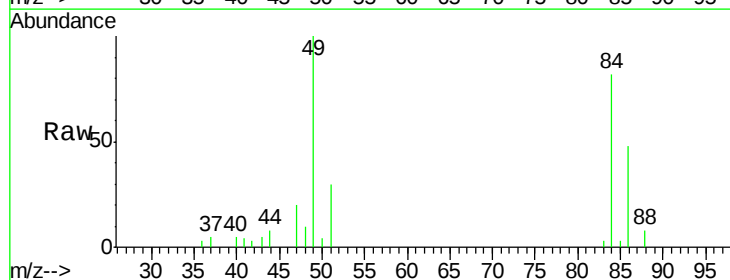
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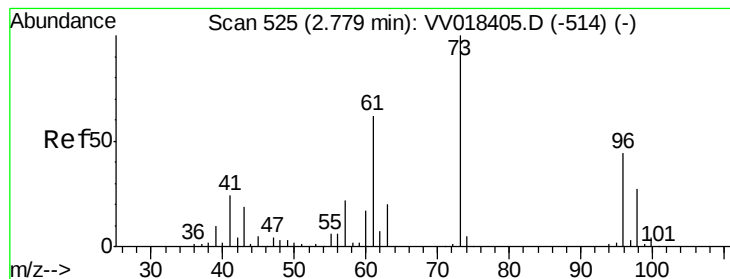
MMDadoda
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#16
Methylene chloride
Concen: 2.396 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion: 84 Resp: 5513
Ion Ratio Lower Upper
84 100
86 58.8 46.0 85.4
49 121.7 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 2.049 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

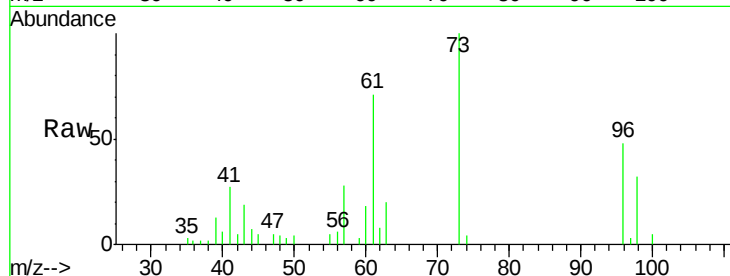
ClientSampleId :

MDL02

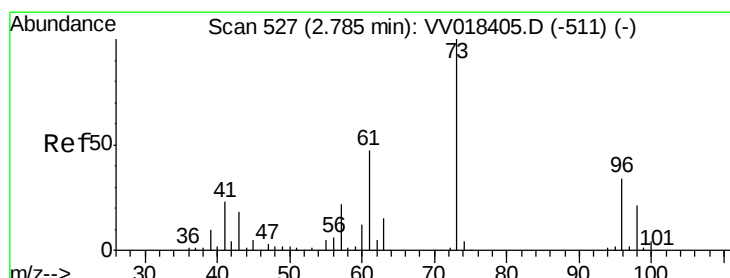
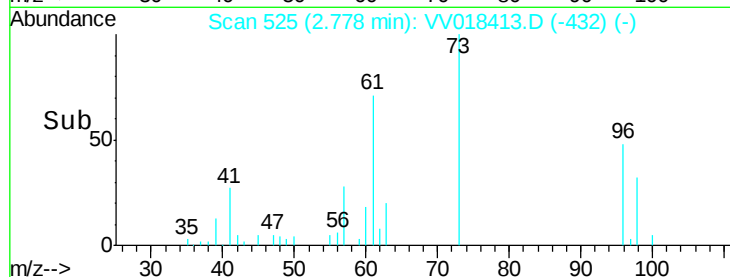
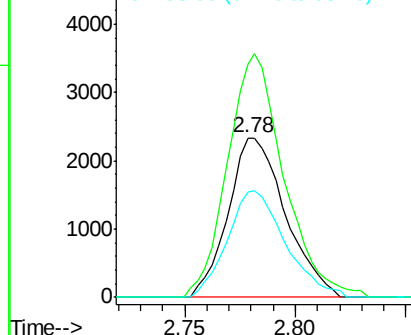
Tot Ion:	96	Resp:	4214
Ion	Ratio	Lower	Upper
96	100		
61	146.2	98.3	182.5
98	65.8	43.5	80.7

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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: 1.947 ug/L

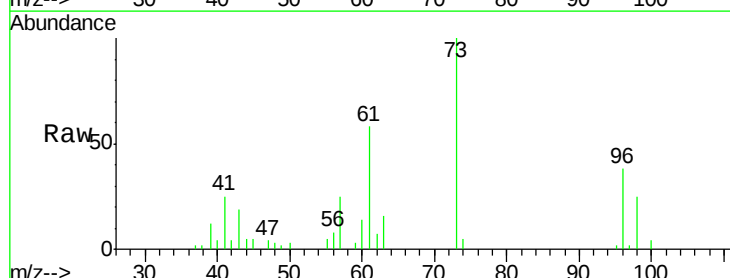
RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

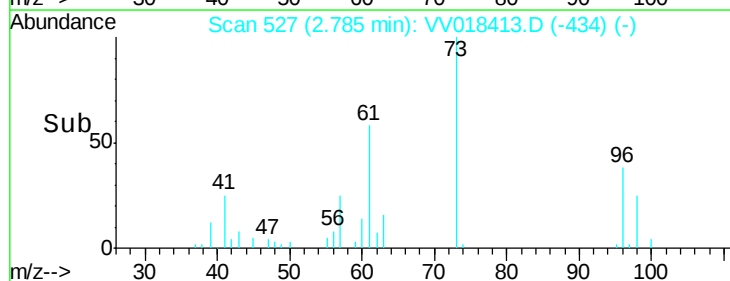
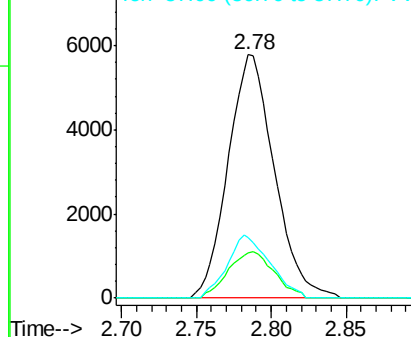
Lab File: VV018413.D

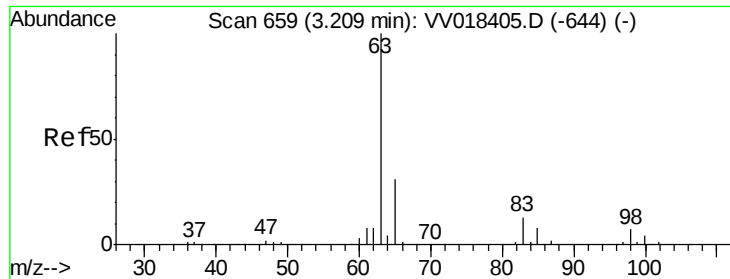
Acq: 23 Sep 2020 15:17

Tgt Ion:	73	Resp:	12448
Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.4	23.2
57	23.8	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





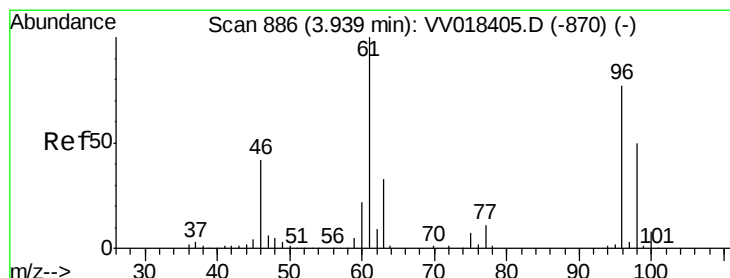
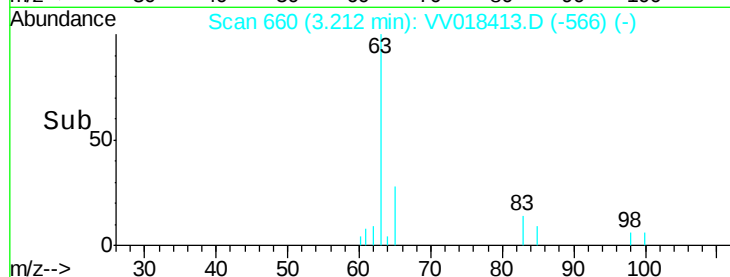
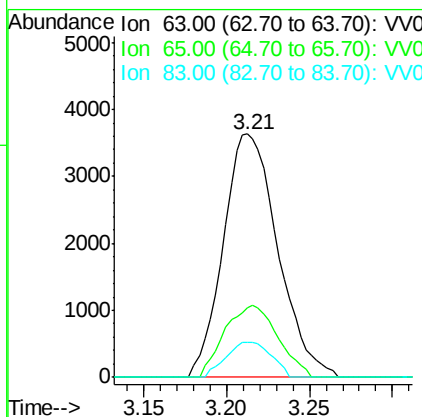
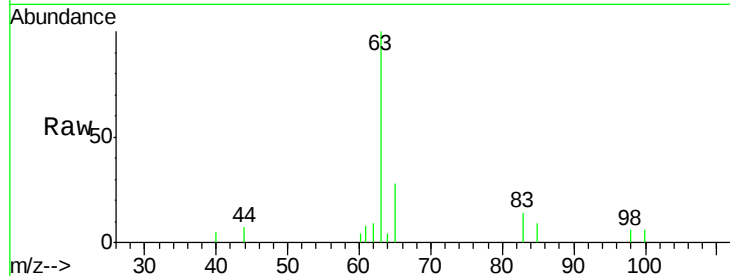
#19
 1,1-Dichloroethane
 Concen: 2.079 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:	63	Resp:	8302
Ion	Ratio	Lower	Upper
63	100		
65	28.5	21.8	40.6
83	14.4	9.2	17.2

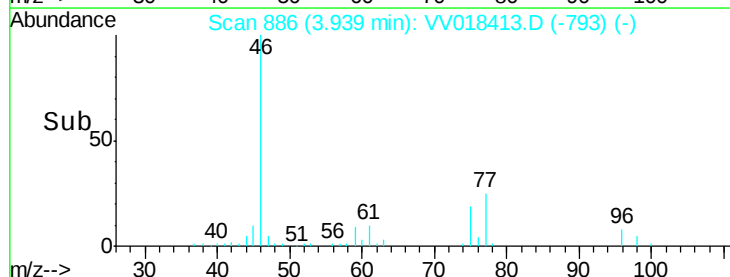
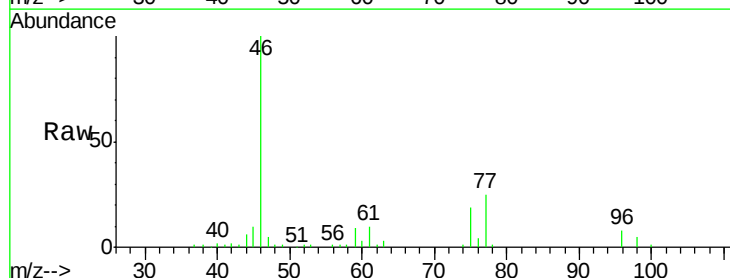
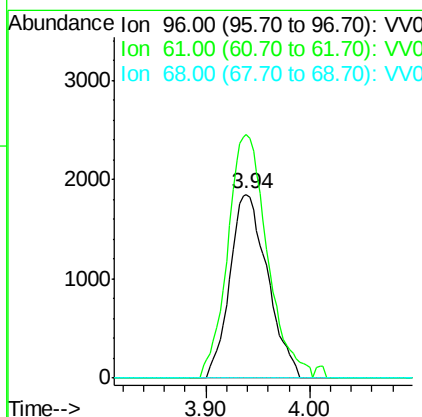
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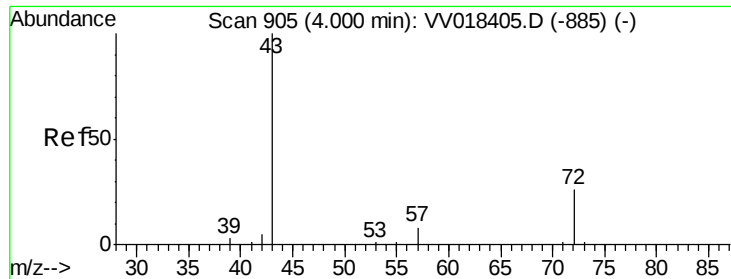
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.100 ug/L m
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion:	96	Resp:	4658
Ion	Ratio	Lower	Upper
96	100		
61	132.4	90.4	167.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 2.439 ug/L m

RT: 4.04 min Scan# 916

Delta R.T. 0.04 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 3986

Ion Ratio Lower Upper

43 100

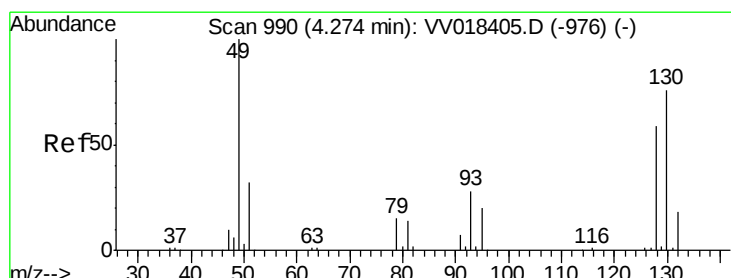
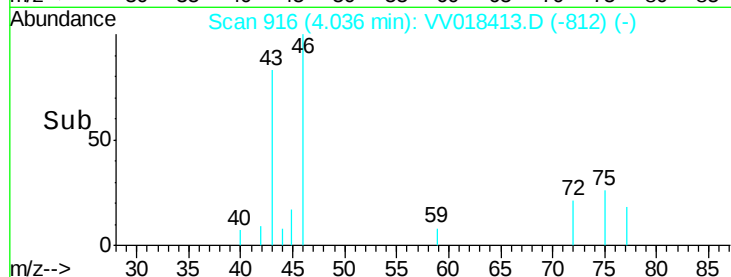
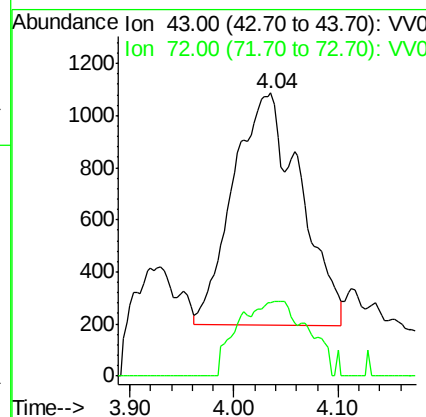
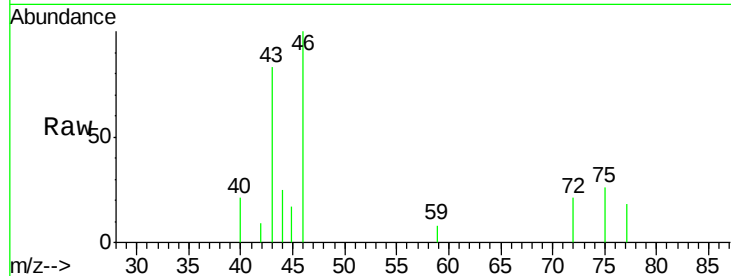
72 8.9 12.8 38.3#

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#23

Bromochloromethane

Concen: 1.860 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Tgt Ion: 128 Resp: 2209

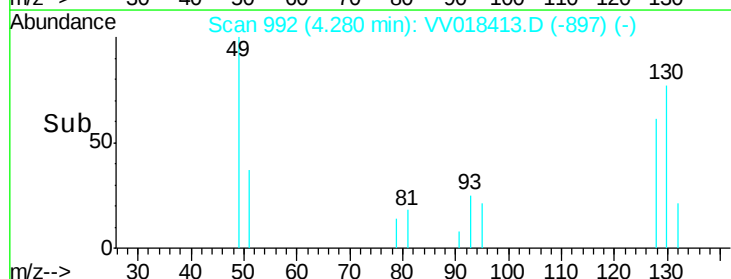
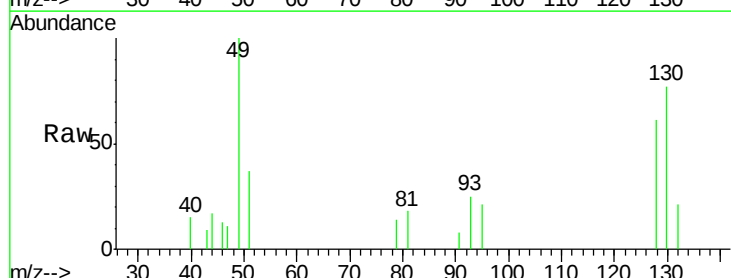
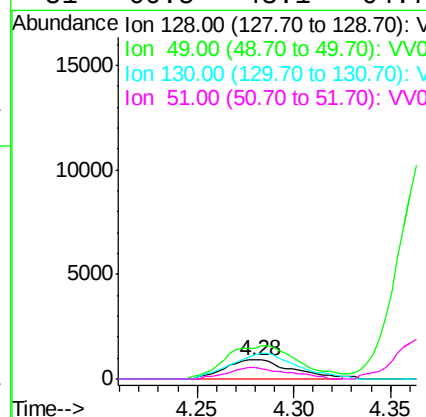
Ion Ratio Lower Upper

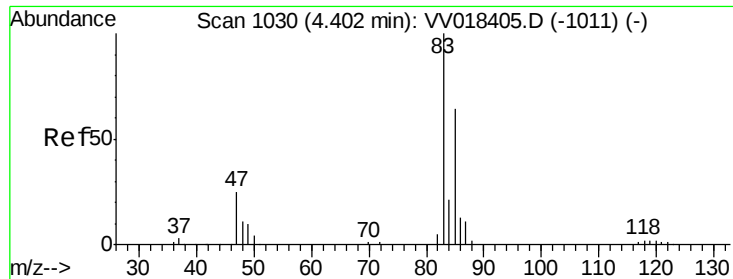
128 100

49 164.8 120.3 223.3

130 126.8 91.3 169.5

51 60.5 43.1 64.7





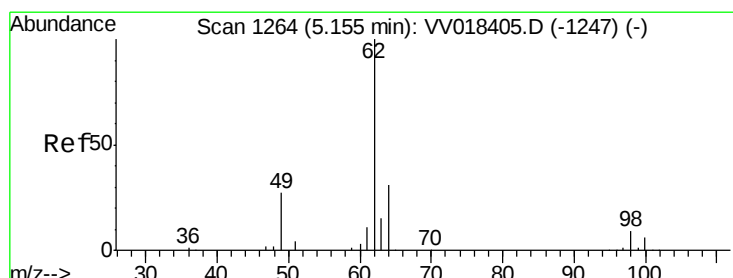
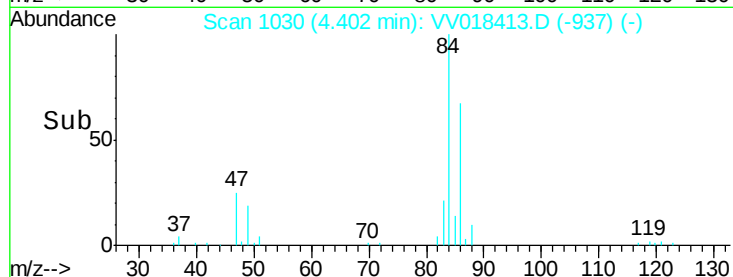
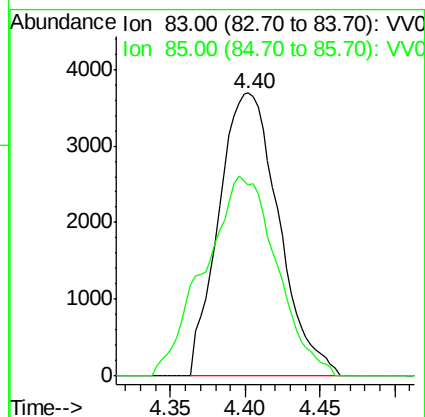
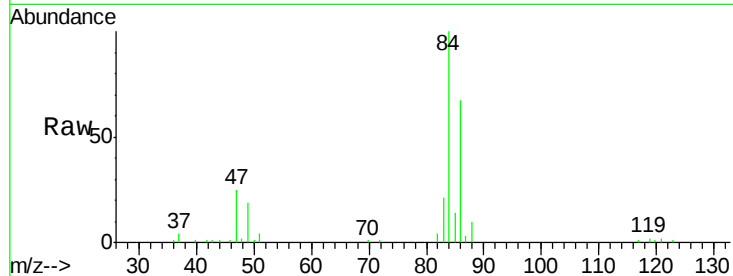
#25
Chloroform
Concen: 2.550 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 83 Resp: 10297
Ion Ratio Lower Upper
83 100
85 67.7 45.2 84.0

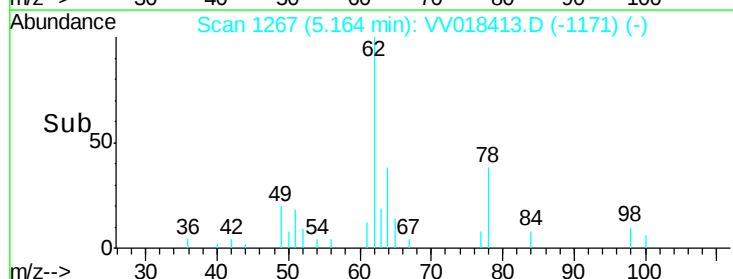
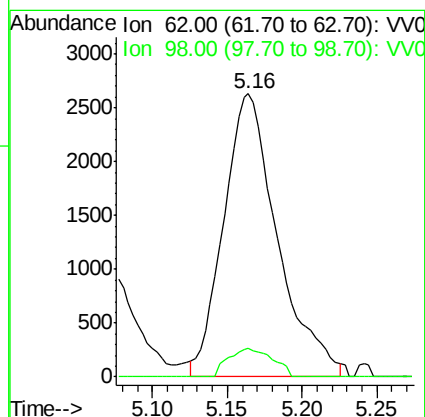
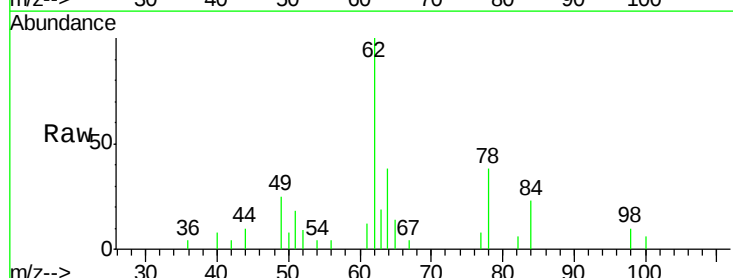
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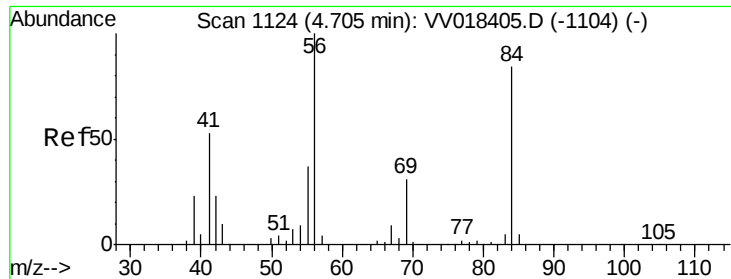
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.106 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion: 62 Resp: 6587
Ion Ratio Lower Upper
62 100
98 10.0 7.4 11.2





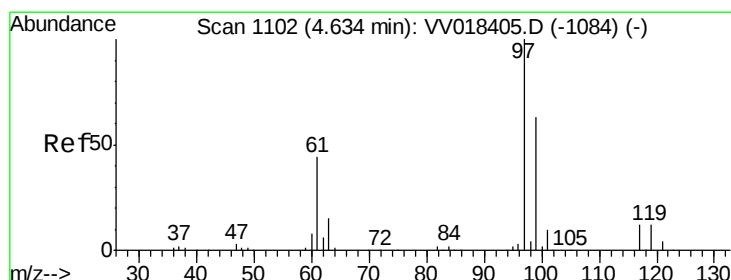
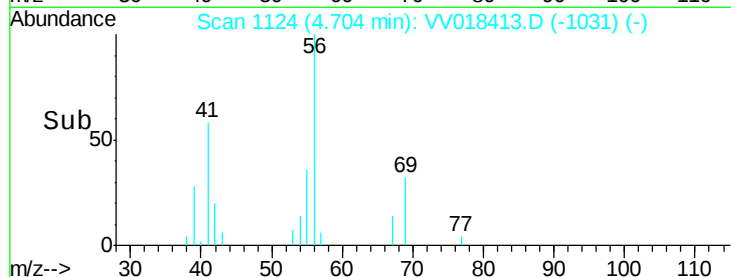
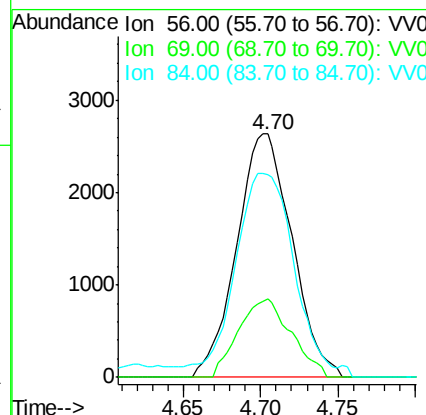
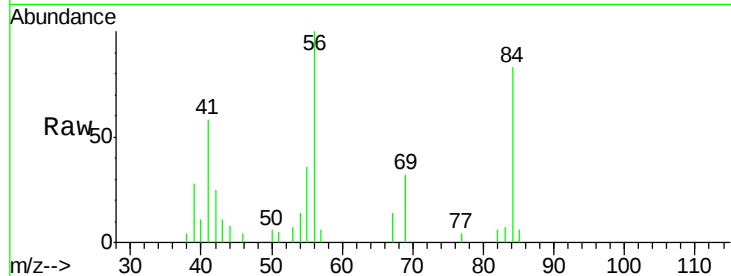
#29
Cyclohexane
Concen: 1.942 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.4	36.6
84	84.1	68.6	102.8

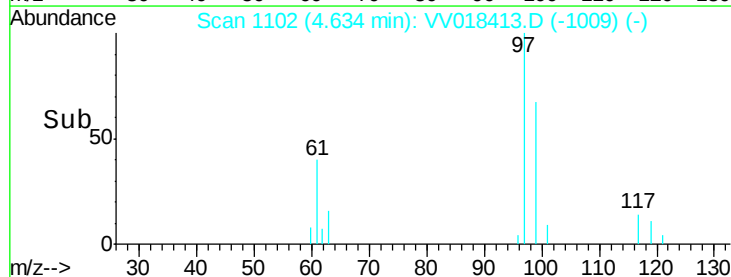
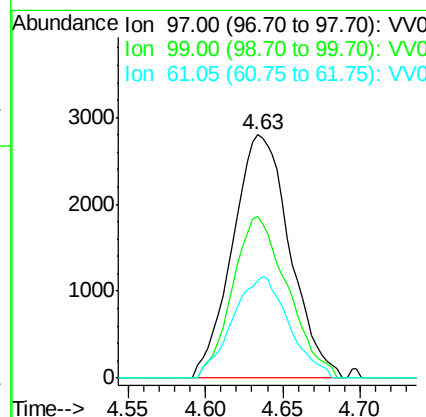
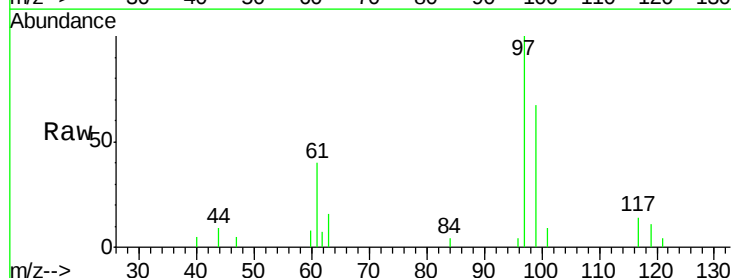
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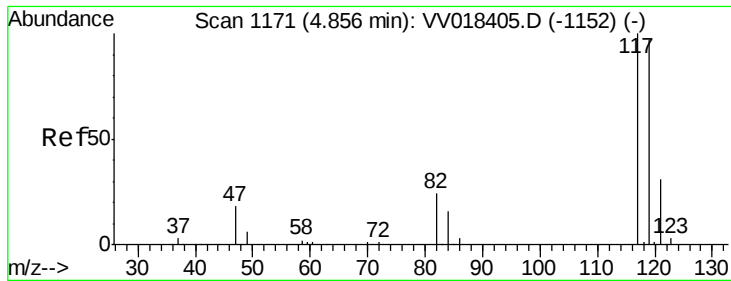
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#30
1,1,1-Trichloroethane
Concen: 2.026 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.7	76.1
61	41.0	35.0	52.6





#31

Carbon tetrachloride

Concen: 1.969 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:117 Resp: 6112

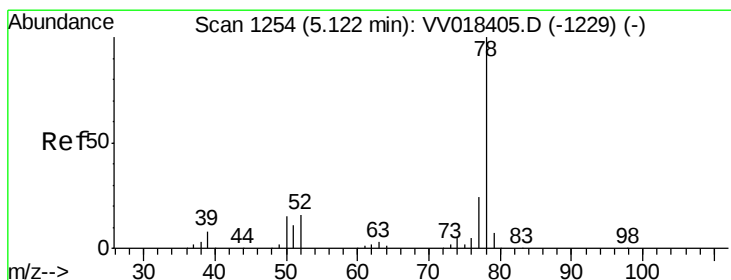
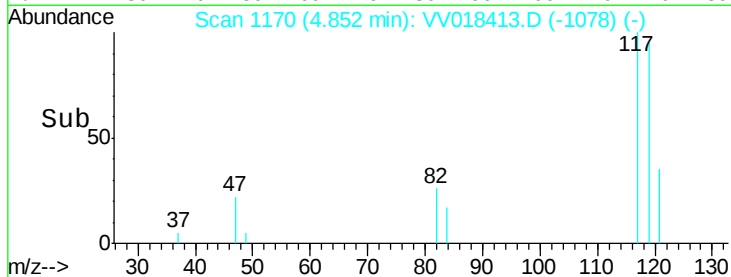
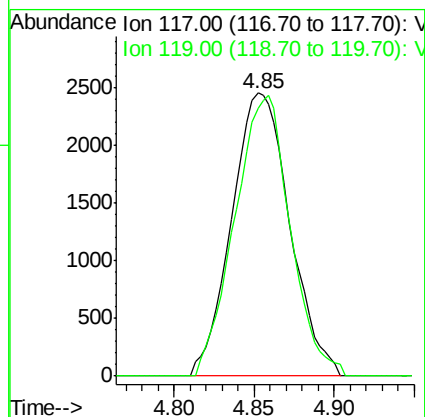
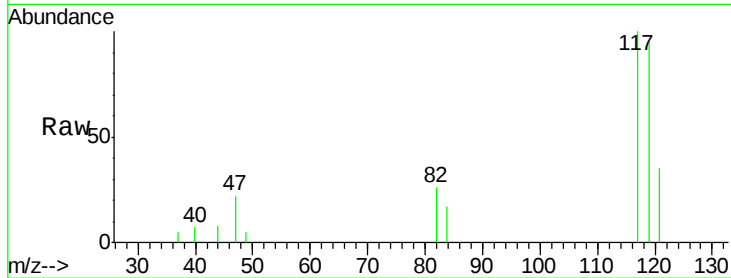
Ion Ratio Lower Upper

117 100

119 94.7 76.7 115.1

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#33

Benzene

Concen: 2.135 ug/L

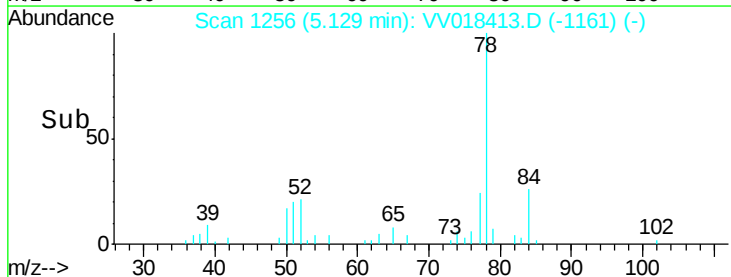
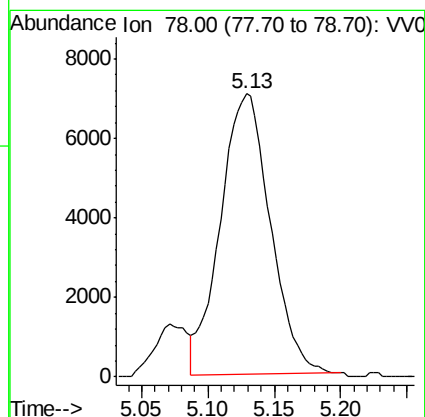
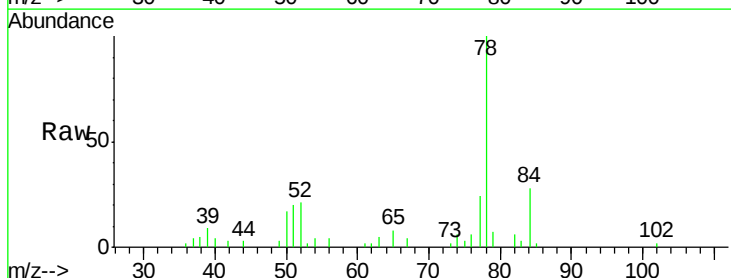
RT: 5.13 min Scan# 1256

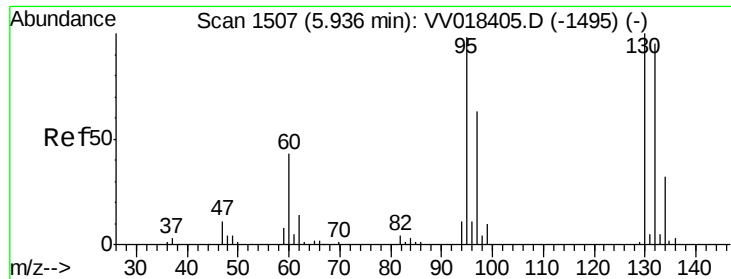
Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Tgt Ion: 78 Resp: 18516





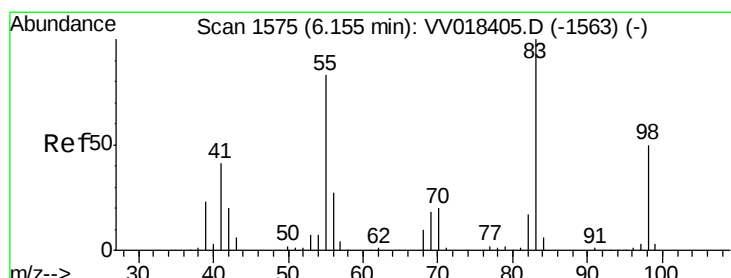
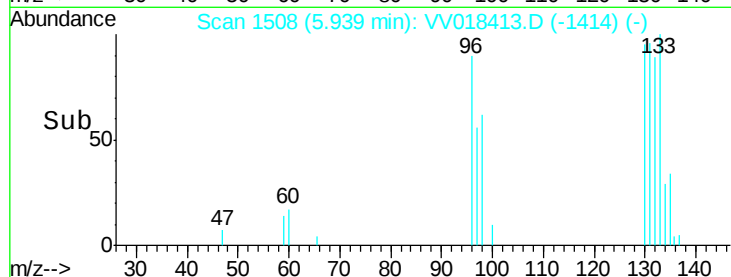
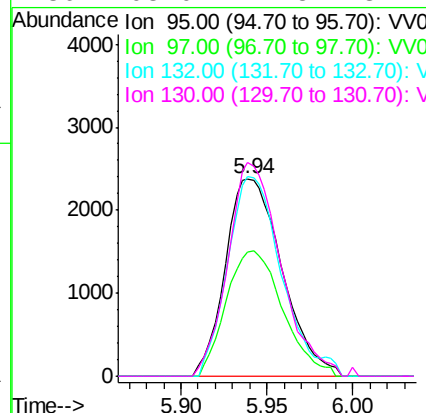
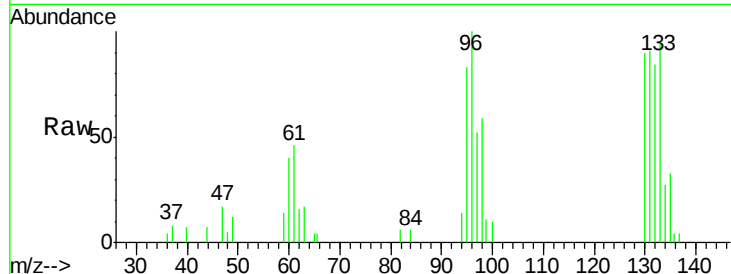
#34
 Trichloroethene
 Concen: 2.291 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.7	83.1
132	101.0	67.8	126.0
130	108.0	71.5	132.7

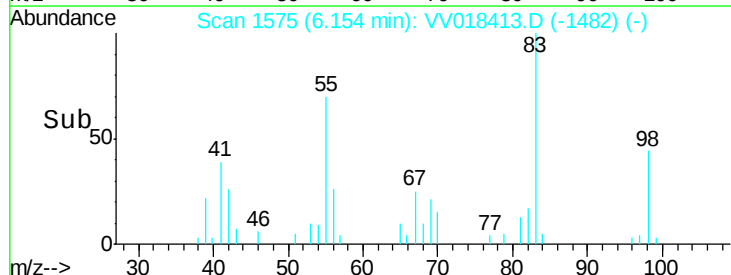
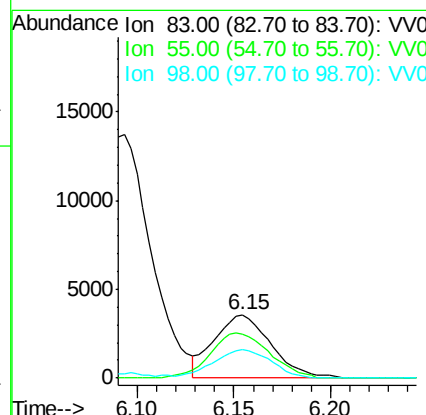
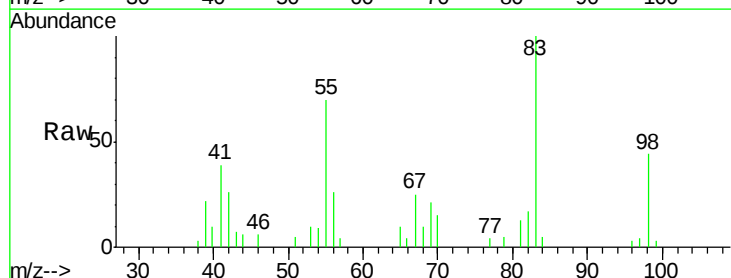
Manual Integrations
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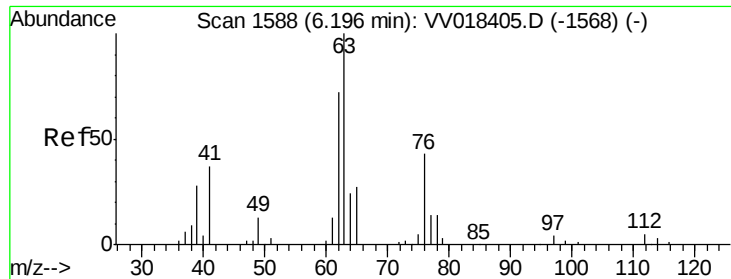
MMDadoda
 10/5/2020 1:22:47 PM



#35
 Methylcyclohexane
 Concen: 2.108 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.1	63.6	95.4
98	45.2	38.6	58.0





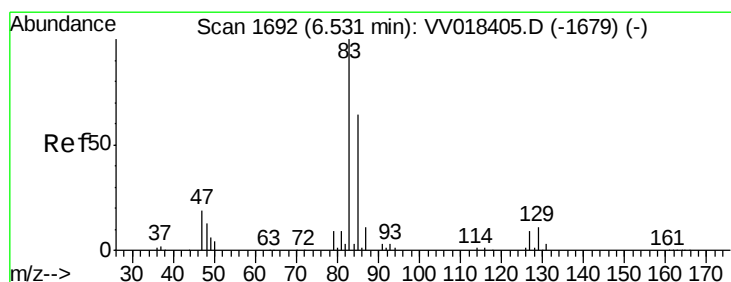
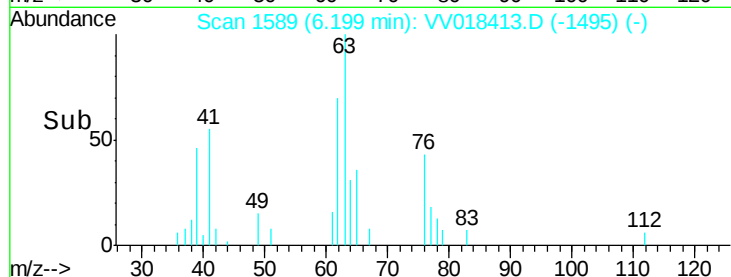
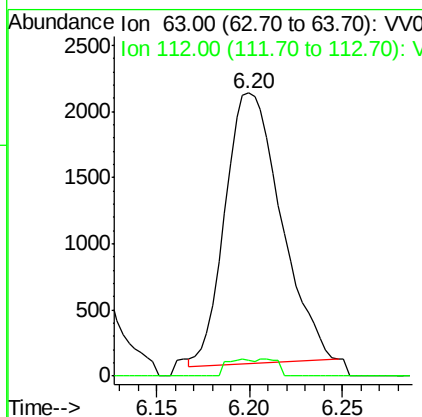
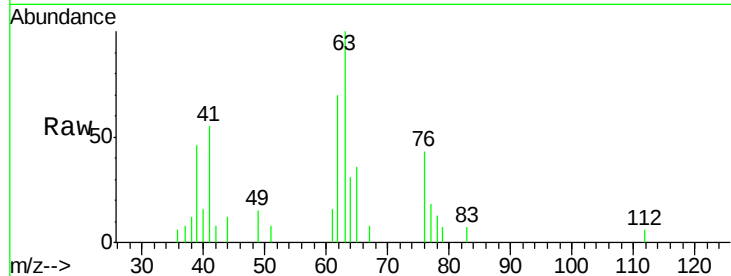
#37
 1,2-Dichloropropane
 Concen: 1.861 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 4268
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#

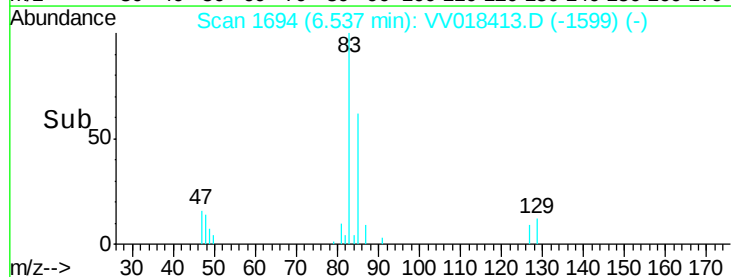
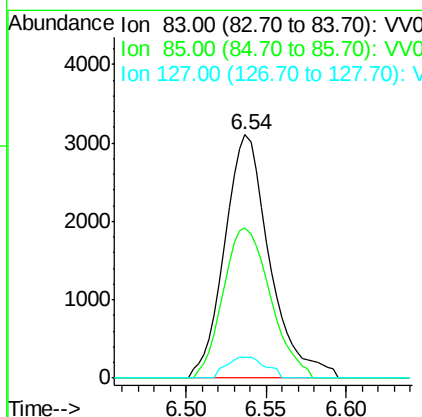
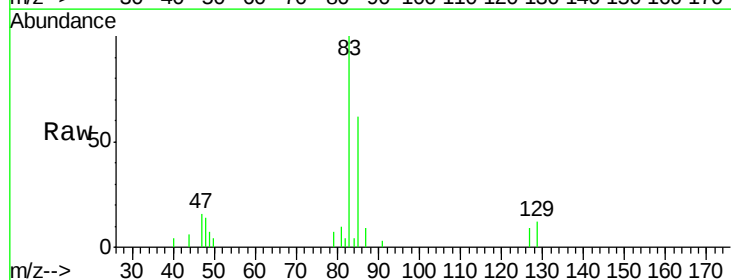
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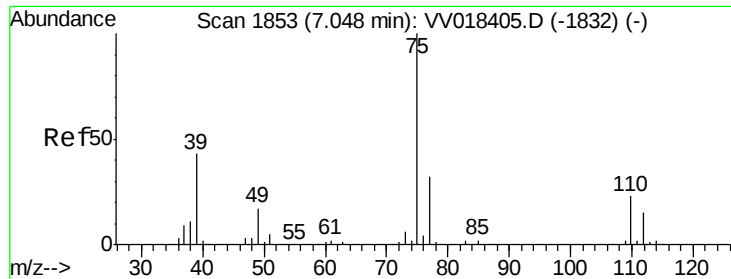
MMDadoda
 10/5/2020 1:22:47 PM



#38
 Bromodichloromethane
 Concen: 1.990 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion: 83 Resp: 5971
 Ion Ratio Lower Upper
 83 100
 85 61.6 45.1 83.9
 127 8.7 6.8 10.2





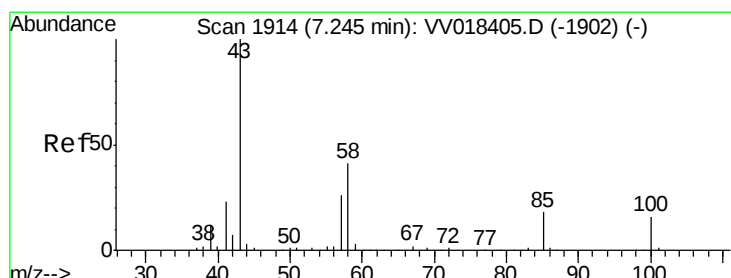
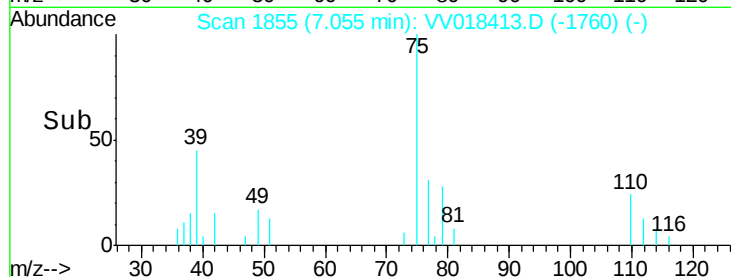
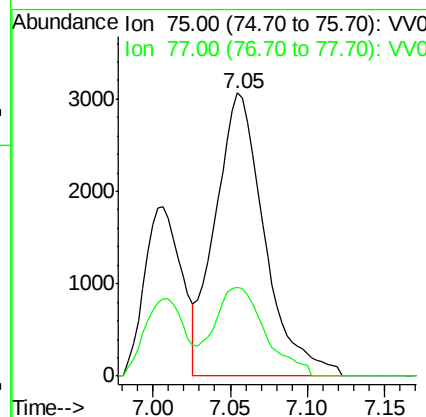
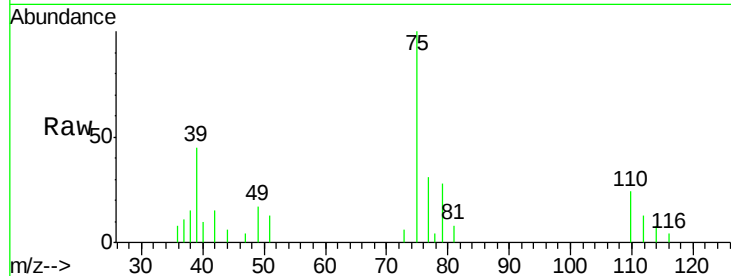
#39
 cis-1,3-Dichloropropene
 Concen: 1.973 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 6787
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.1

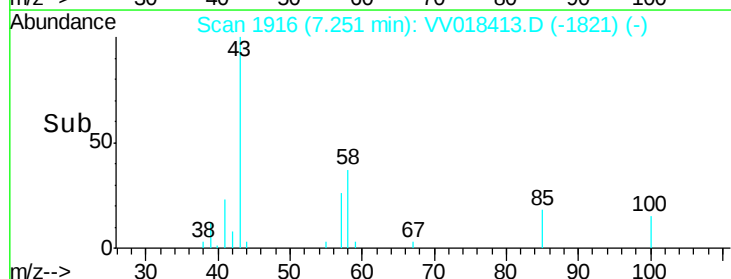
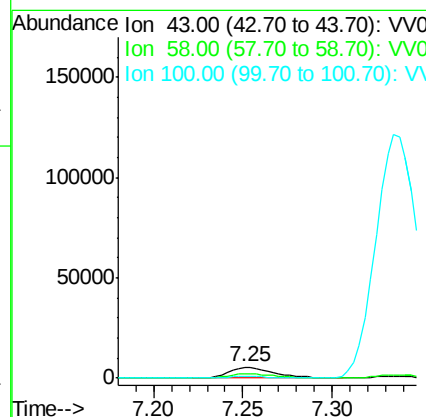
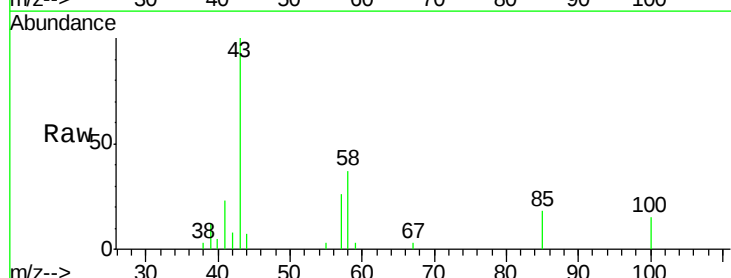
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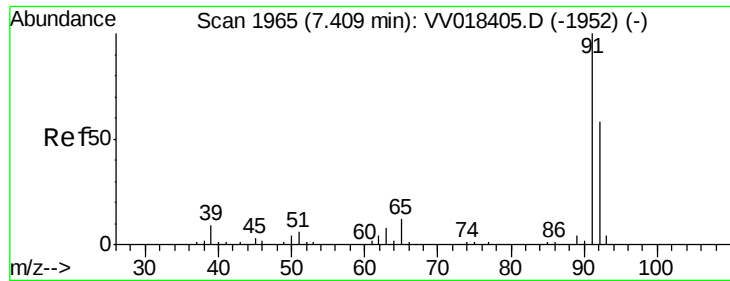
MMDadoda
 10/5/2020 1:22:47 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.644 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion: 43 Resp: 9917
 Ion Ratio Lower Upper
 43 100
 58 39.4 32.4 48.6
 100 14.2 13.0 19.4





#42

Toluene

Concen: 2.066 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 91 Resp: 18794

Ion Ratio Lower Upper

91 100

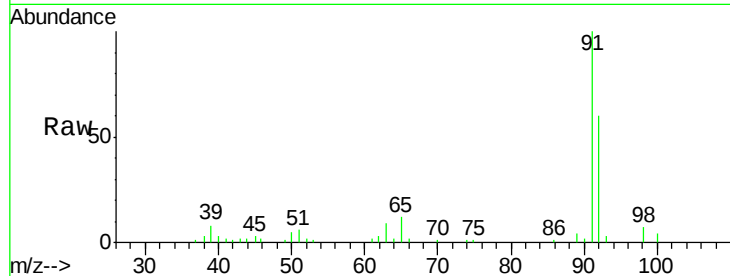
92 60.4 40.7 75.7

Manual Integrations

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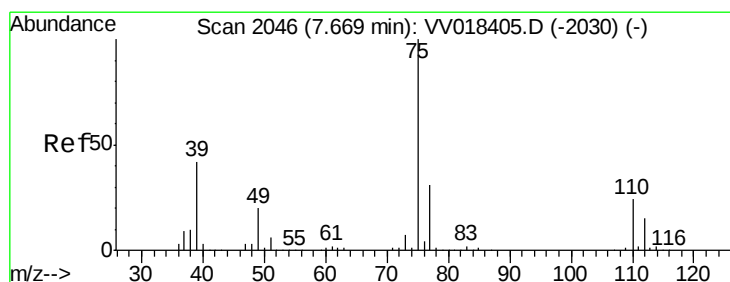
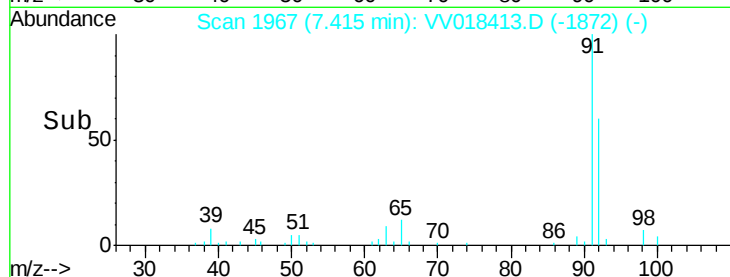
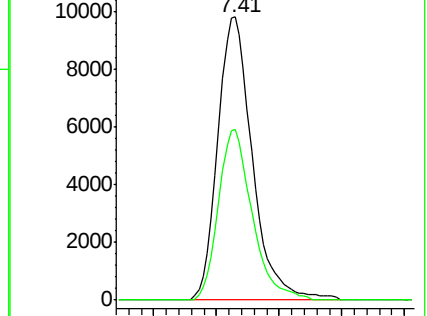
MMDadoda

10/5/2020 1:22:47 PM



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.758 ug/L m

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018413.D

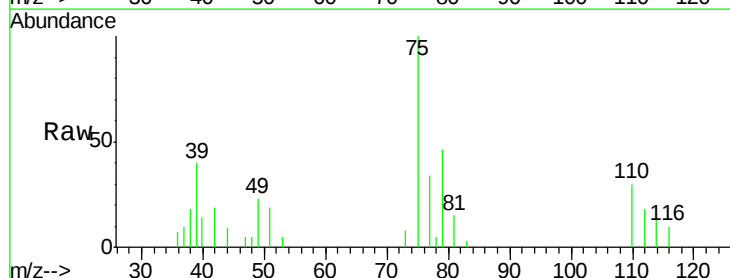
Acq: 23 Sep 2020 15:17

Tgt Ion: 75 Resp: 5997

Ion Ratio Lower Upper

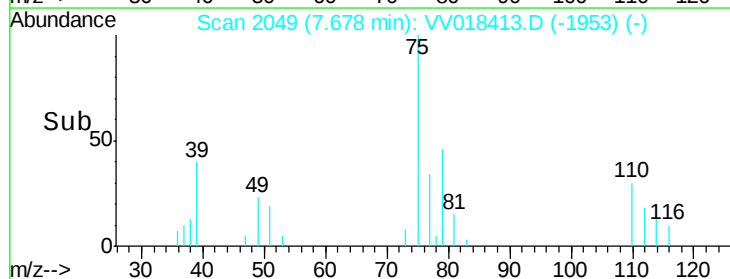
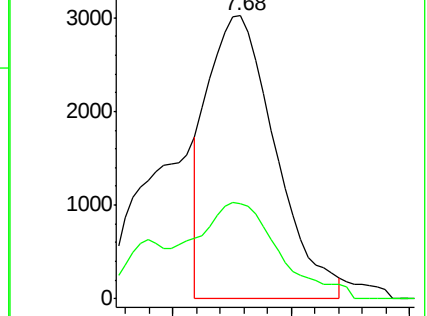
75 100

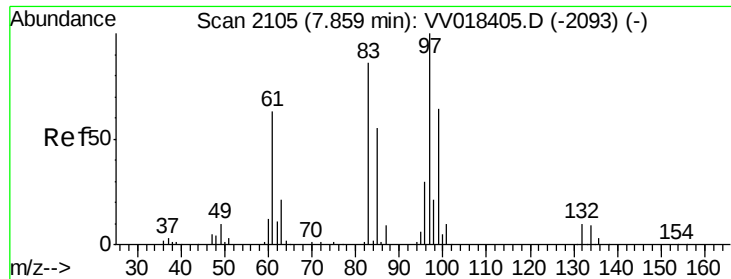
77 33.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





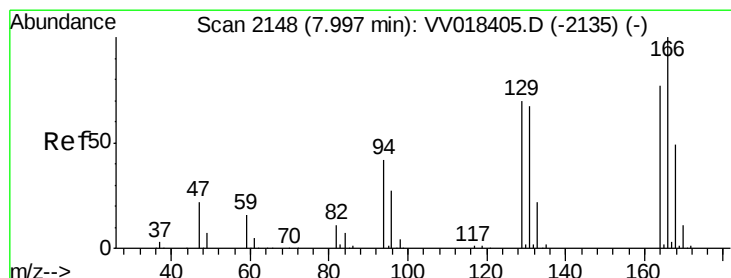
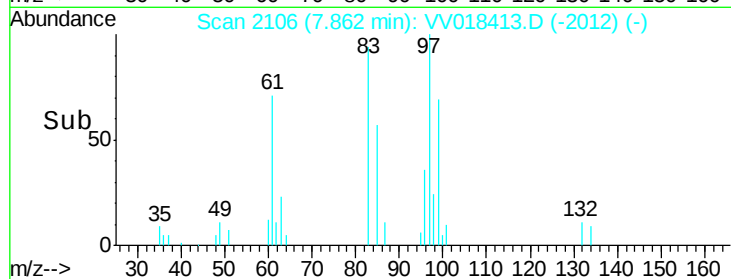
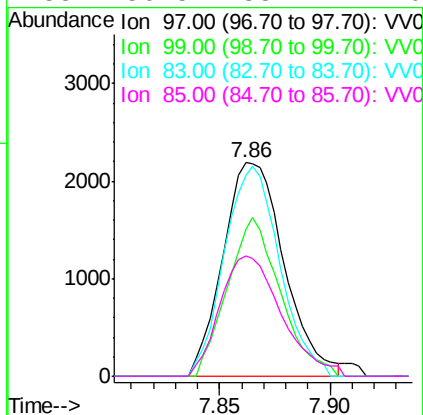
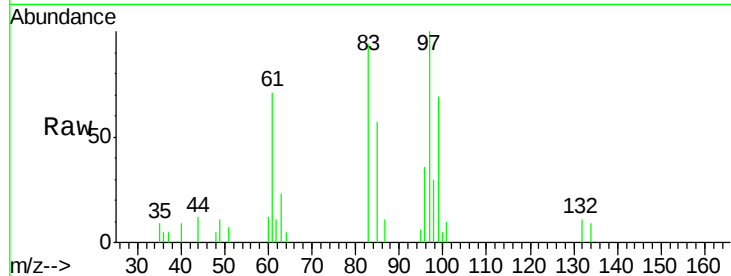
#45
 1,1,2-Trichloroethane
 Concen: 1.947 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:	97	Resp:	4203
Ion	Ratio	Lower	Upper
97	100		
99	68.8	44.6	82.8
83	94.1	60.5	112.5
85	56.5	38.2	71.0

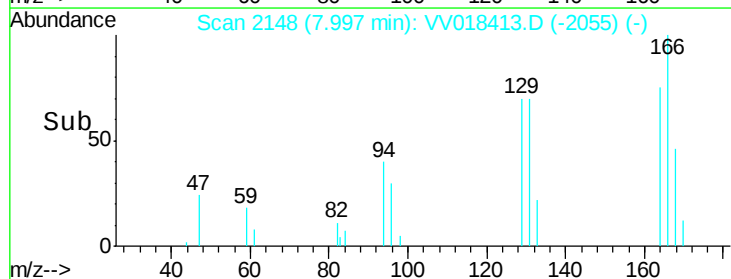
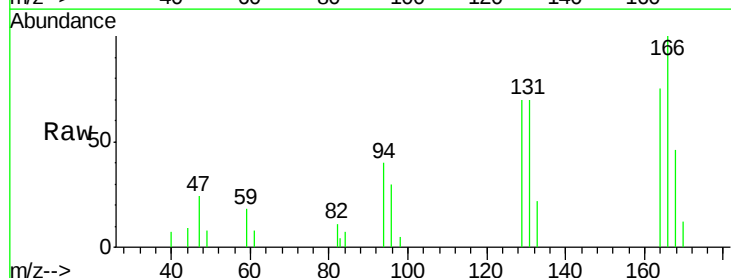
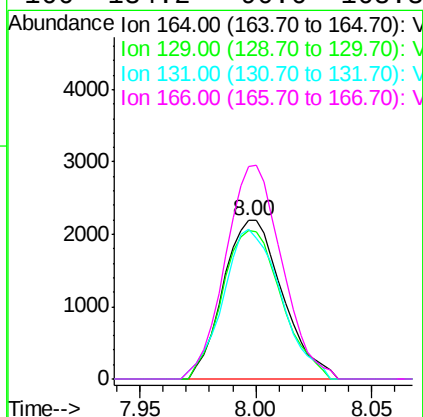
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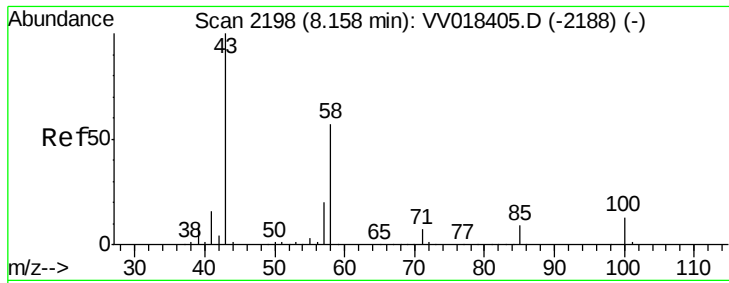
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#46
 Tetrachloroethene
 Concen: 2.089 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion:	164	Resp:	3900
Ion	Ratio	Lower	Upper
164	100		
129	93.4	63.7	118.3
131	94.2	60.6	112.6
166	134.2	90.6	168.3





#48

2-Hexanone

Concen: 6.026 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 13896

Ion Ratio Lower Upper

43 100

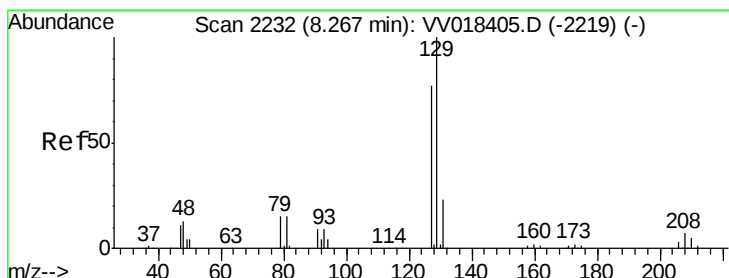
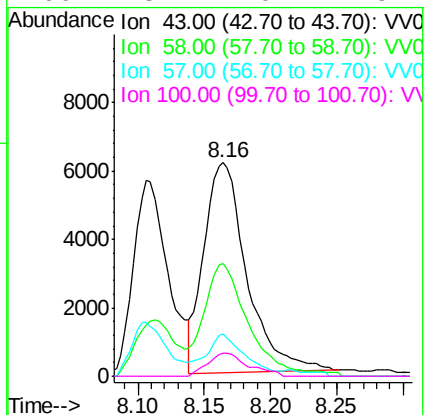
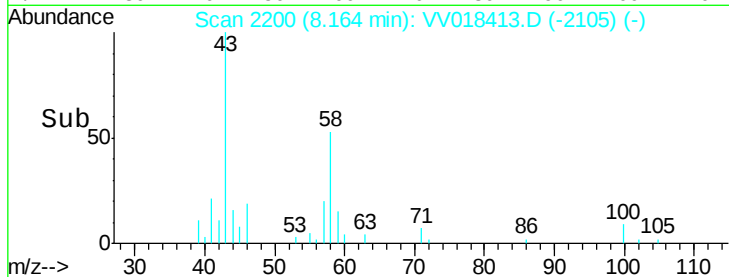
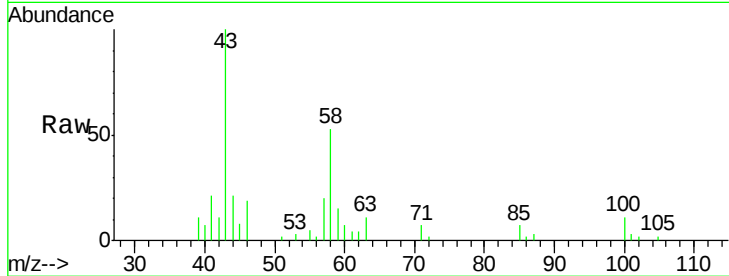
58 51.1 45.4 68.0

57 16.7 16.0 24.0

100 8.7 10.1 15.1#

Manual Integrations
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#49

Dibromochloromethane

Concen: 1.898 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV018413.D

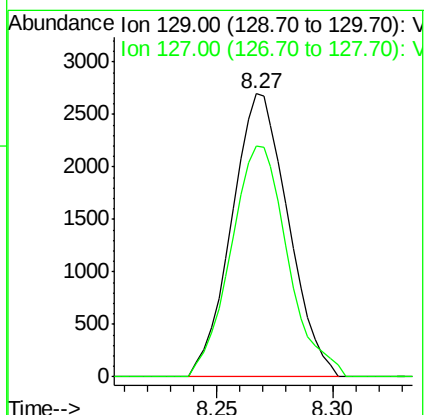
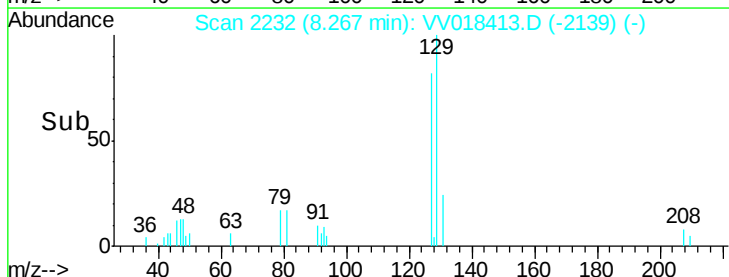
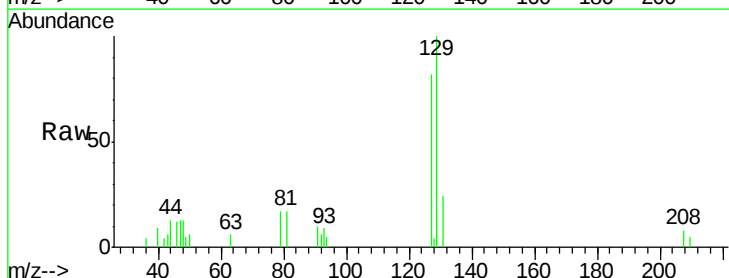
Acq: 23 Sep 2020 15:17

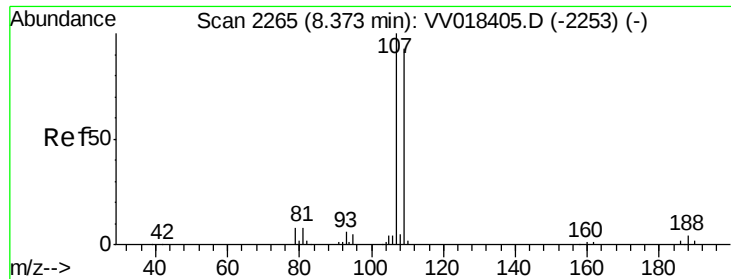
Tgt Ion: 129 Resp: 4563

Ion Ratio Lower Upper

129 100

127 81.6 53.5 99.5





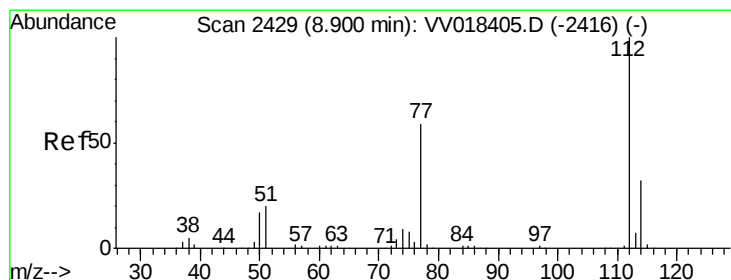
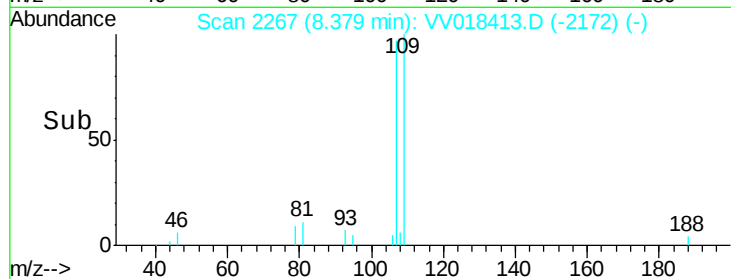
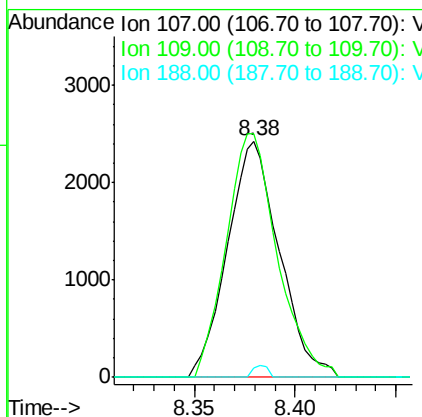
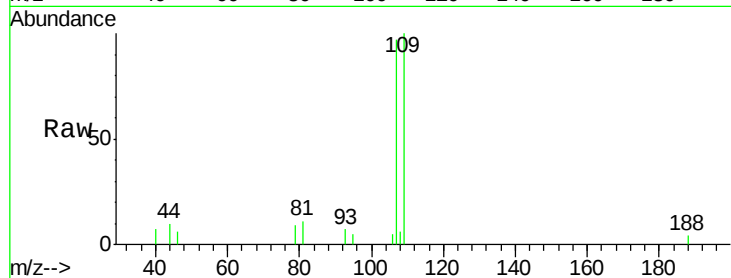
#50
1,2-Dibromoethane
Concen: 1.937 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	103.0	64.9	120.5
188	4.2	3.4	5.0

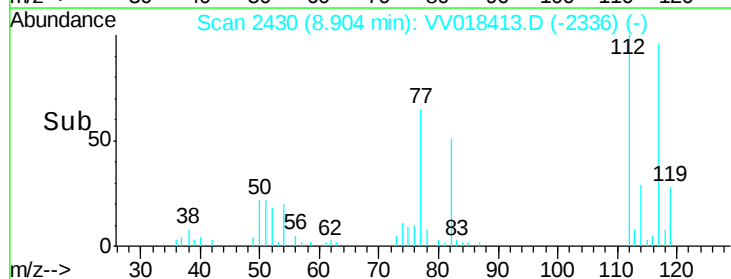
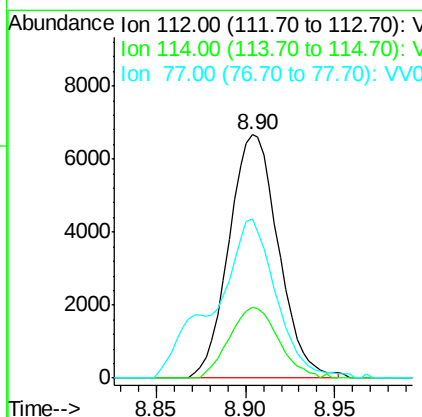
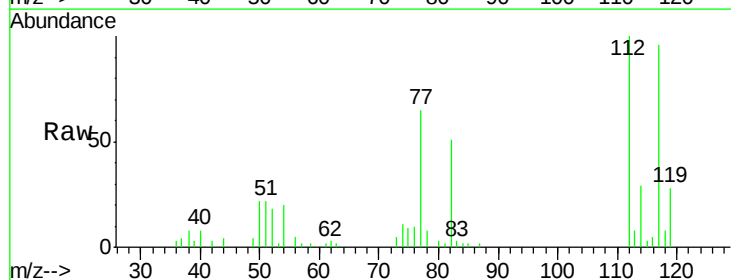
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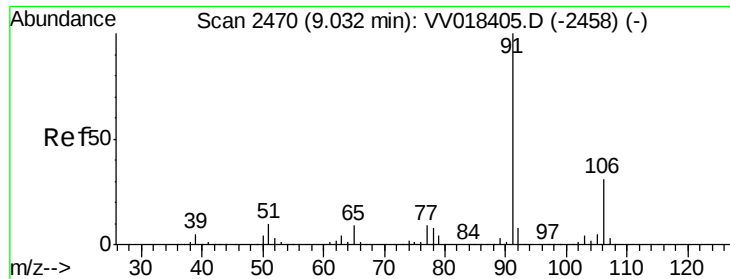
MMDadoda
10/5/2020 1:22:47 PM



#51
Chlorobenzene
Concen: 2.120 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.9	22.2	41.2
77	65.2	47.4	71.2





#52

Ethylbenzene

Concen: 1.959 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 91 Resp: 19609

Ion Ratio Lower Upper

91 100

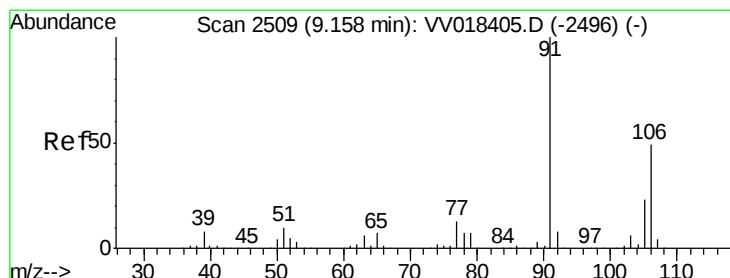
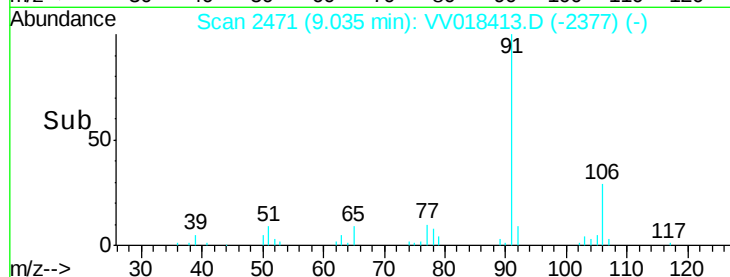
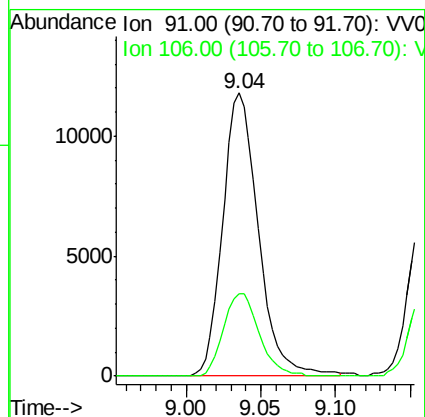
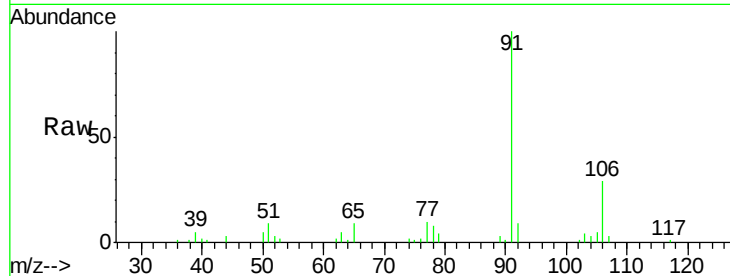
106 29.3 21.4 39.8

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#53

m,p-Xylene

Concen: 1.861 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018413.D

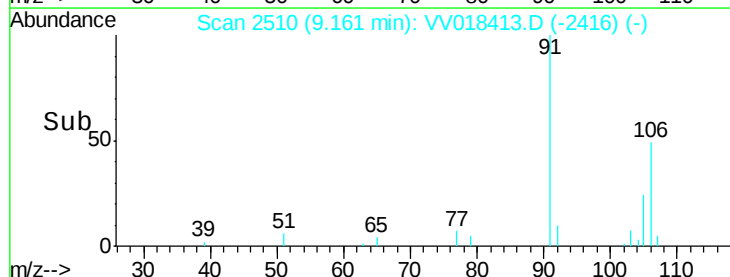
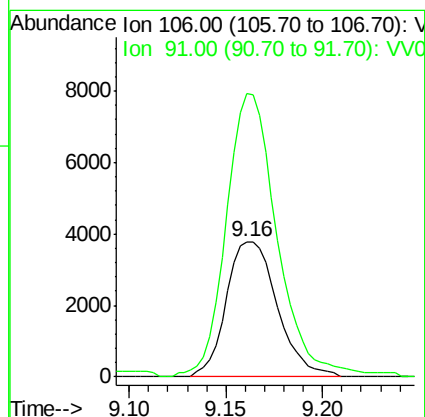
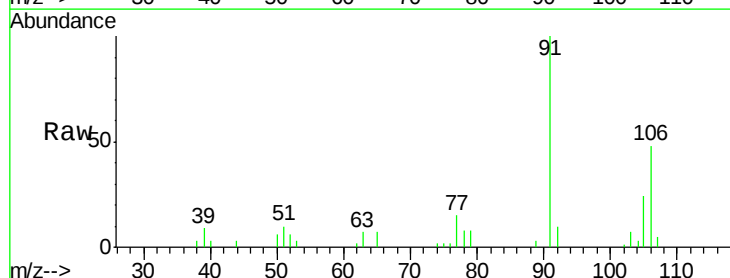
Acq: 23 Sep 2020 15:17

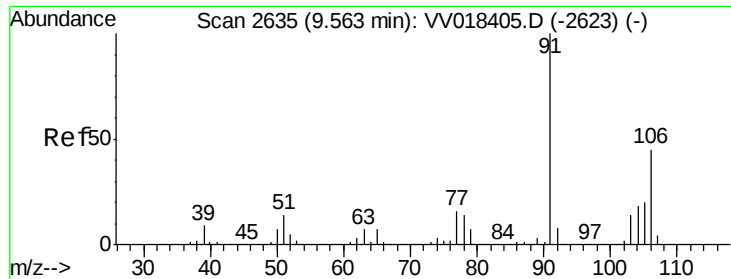
Tgt Ion: 106 Resp: 6957

Ion Ratio Lower Upper

106 100

91 208.9 143.4 266.4





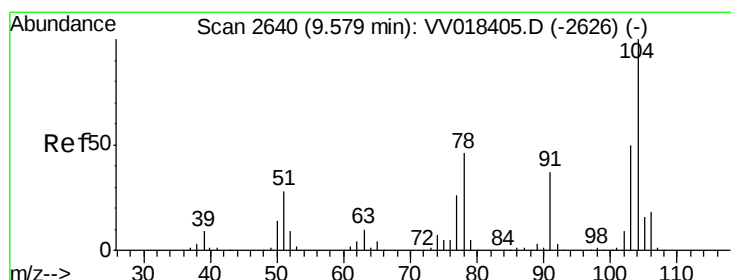
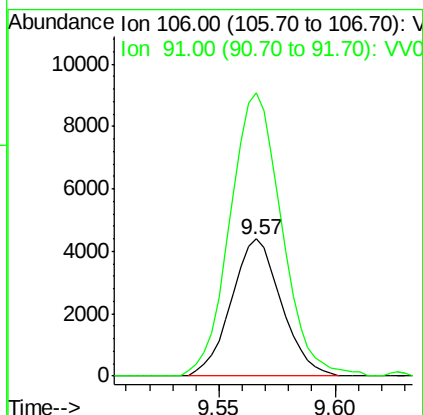
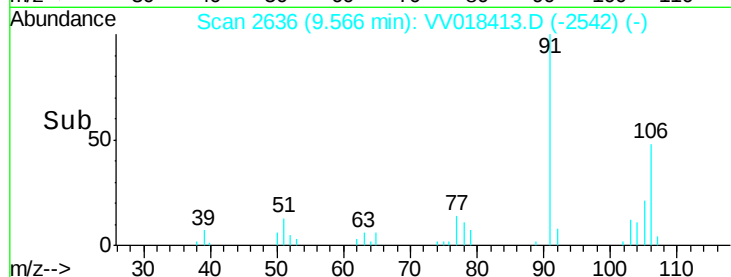
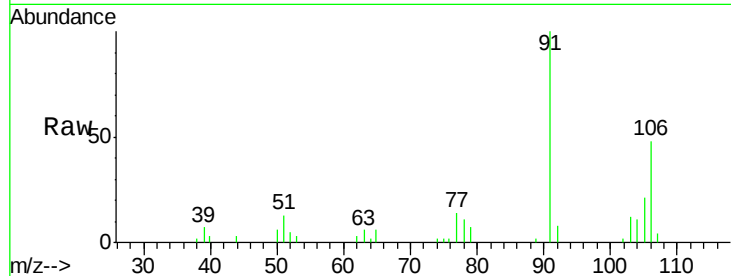
#54
o-Xylene
Concen: 1.837 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:106 Resp: 6615
Ion Ratio Lower Upper
106 100
91 206.3 154.7 287.3

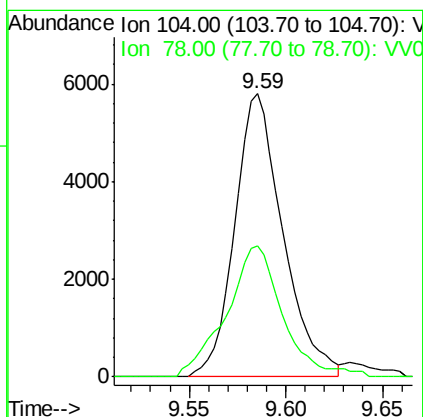
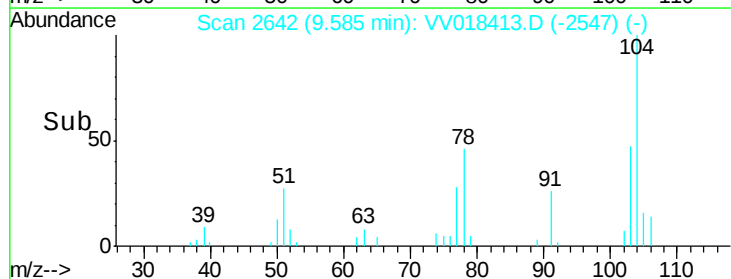
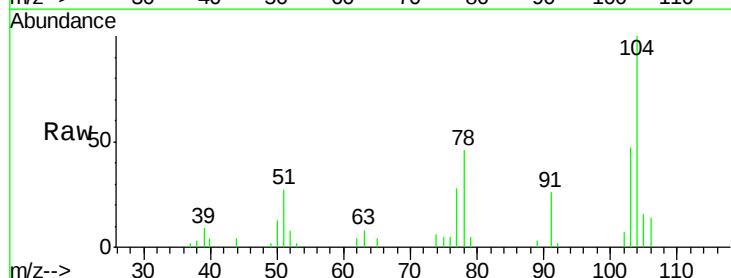
Manual Integrations
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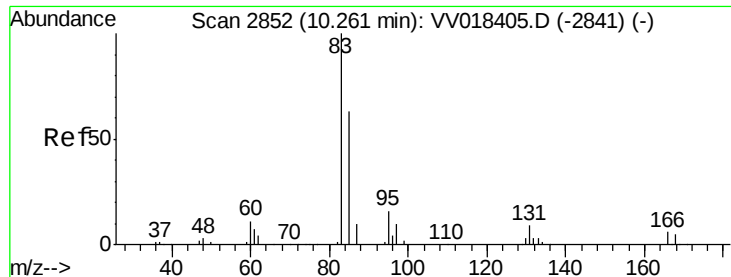
MMDadoda
10/5/2020 1:22:47 PM



#55
Styrene
Concen: 1.596 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion:104 Resp: 10052
Ion Ratio Lower Upper
104 100
78 46.2 32.1 59.5





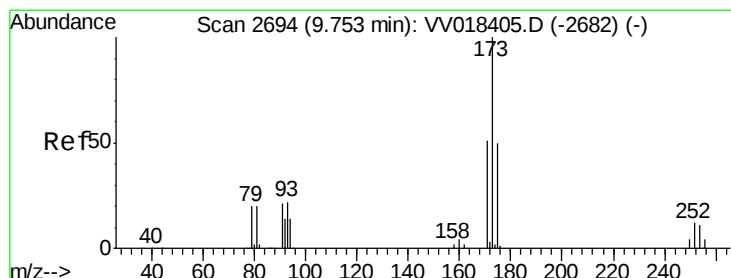
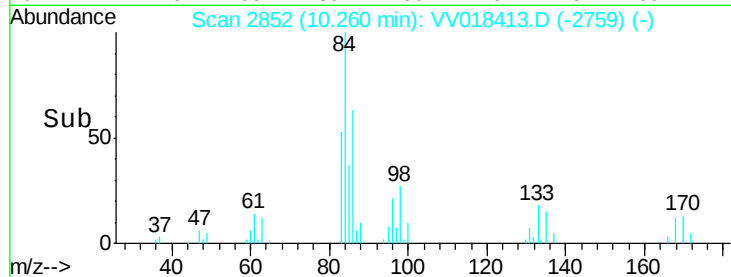
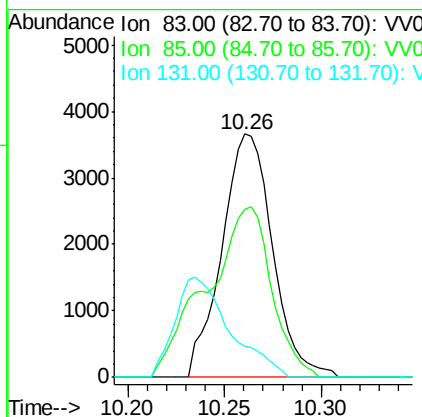
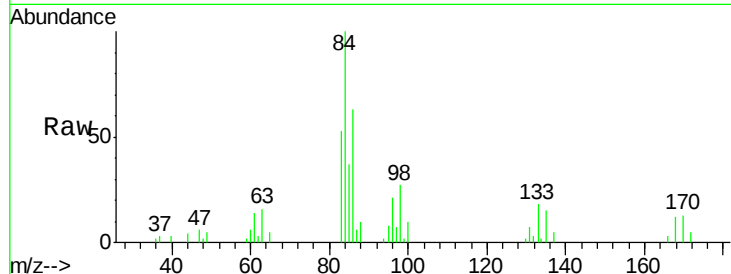
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.119 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL02

Tot Ion	Ratio	Lower	Upper
83	100		
85	69.3	44.4	82.5
131	12.9	7.8	11.6#

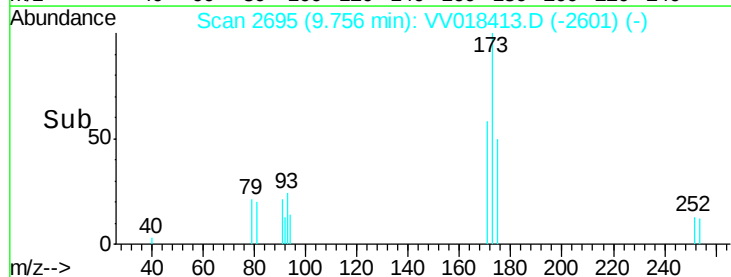
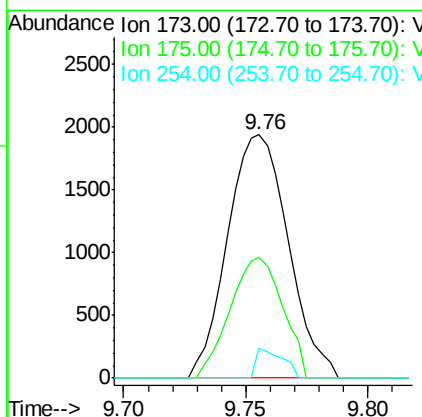
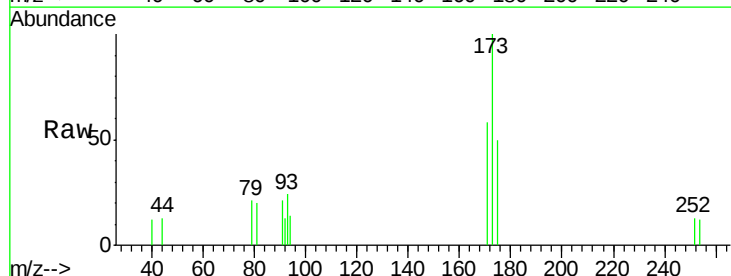
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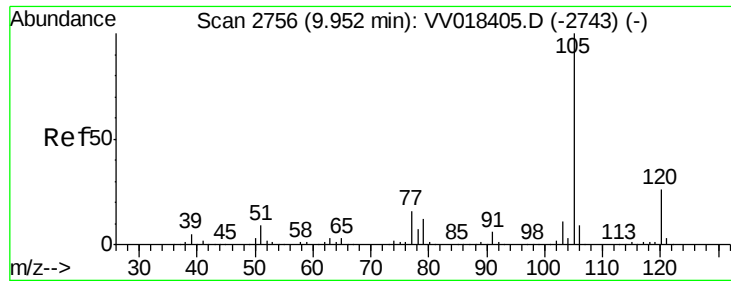
MMDadoda
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#59
 Bromoform
 Concen: 2.040 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	42.9	39.4	59.2
254	5.2	8.7	13.1#





#60

Isopropylbenzene

Concen: 1.854 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

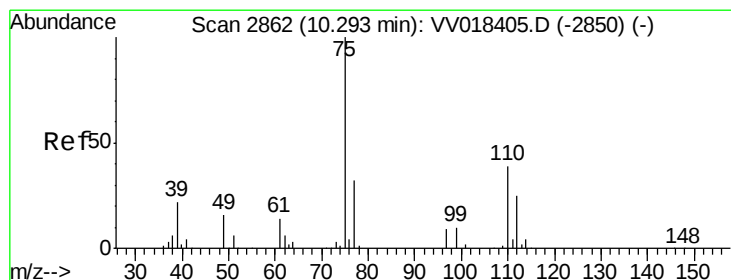
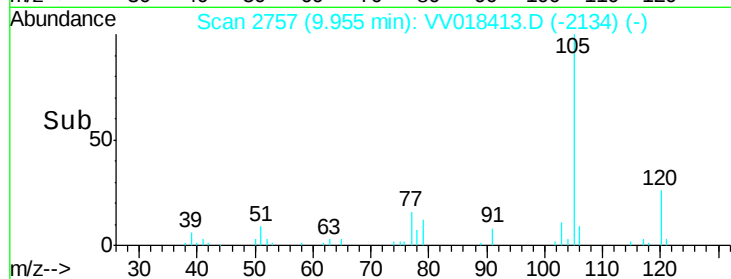
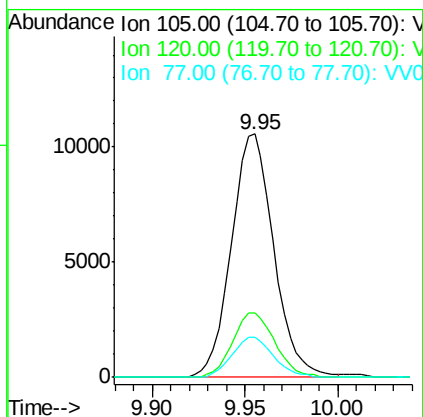
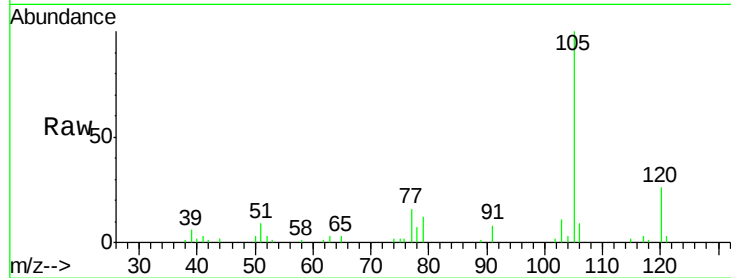
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	16794
Ion Ratio	Lower	Upper	
105	100		
120	26.2	20.8	31.2
77	16.0	12.8	19.2

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#61

1,2,3-Trichloropropane

Concen: 2.235 ug/L

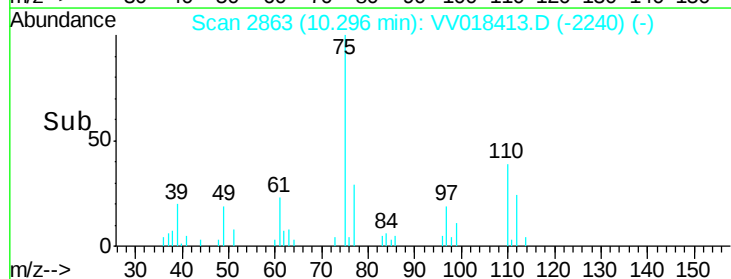
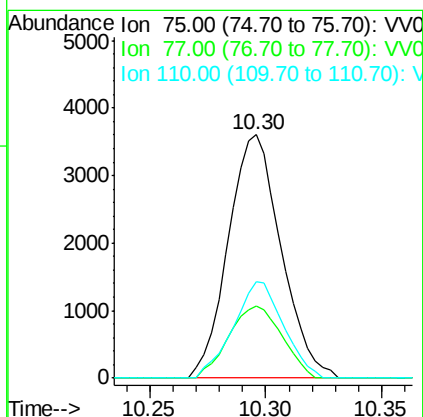
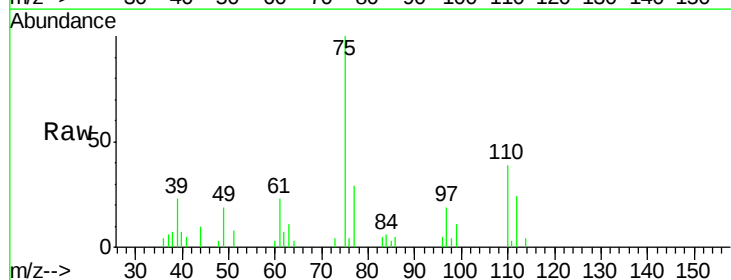
RT: 10.30 min Scan# 2863

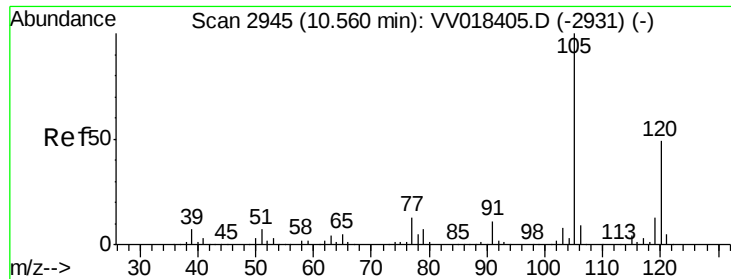
Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Tgt Ion:	75	Resp:	5700
Ion Ratio	Lower	Upper	
75	100		
77	29.9	25.8	38.8
110	37.6	31.5	47.3





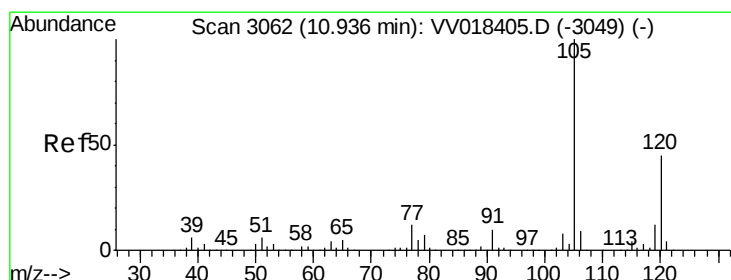
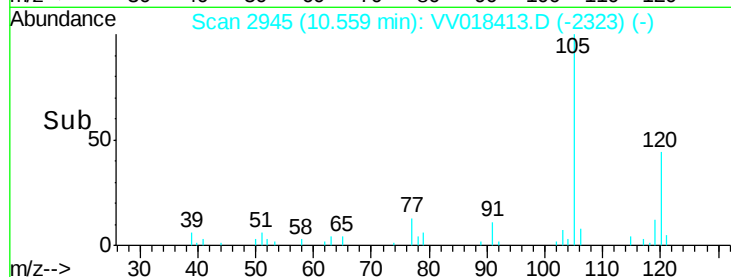
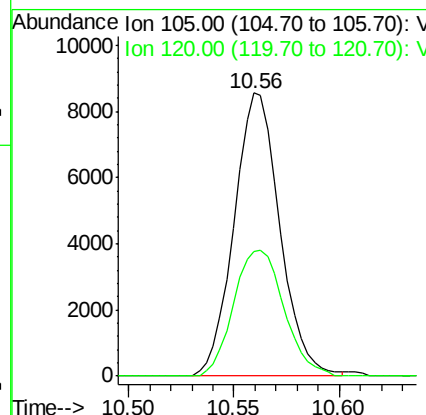
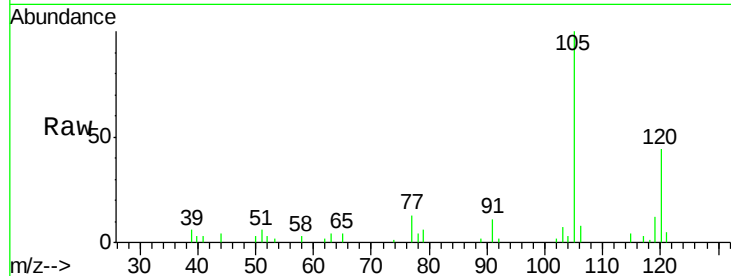
#62
 1,3,5-Trimethylbenzene
 Concen: 1.759 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:105 Resp: 12895
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.1 58.7

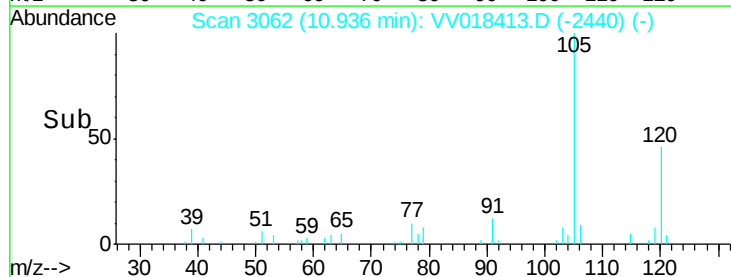
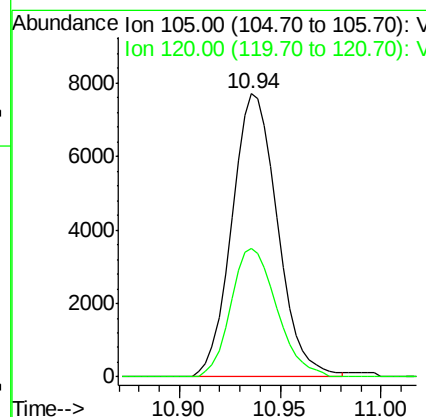
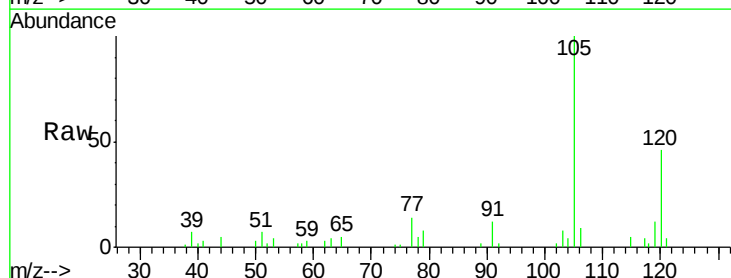
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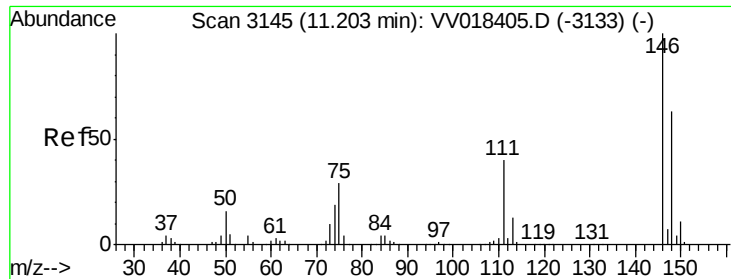
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.623 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion:105 Resp: 12221
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.2





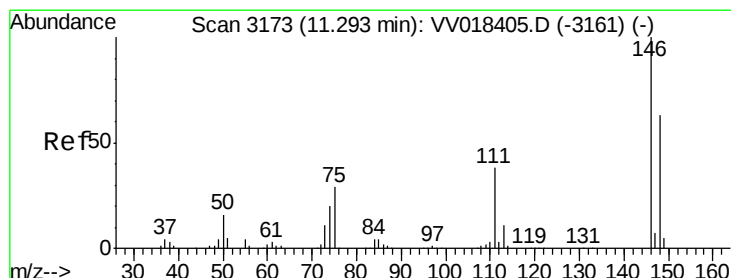
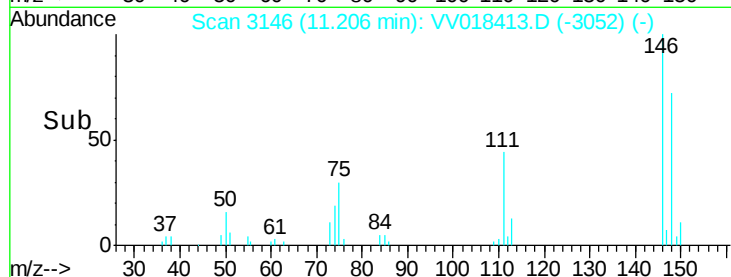
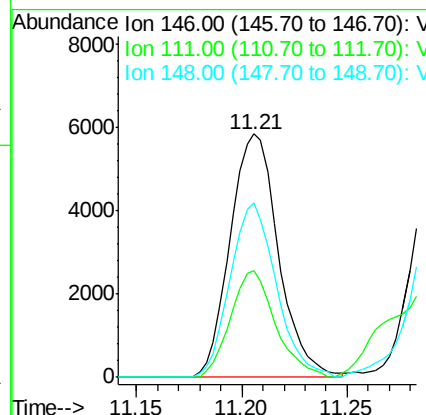
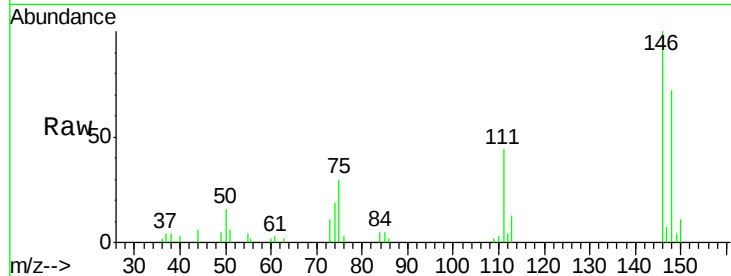
#64
 1,3-Dichlorobenzene
 Concen: 2.017 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	27.6	51.4
148	71.6	44.2	82.2

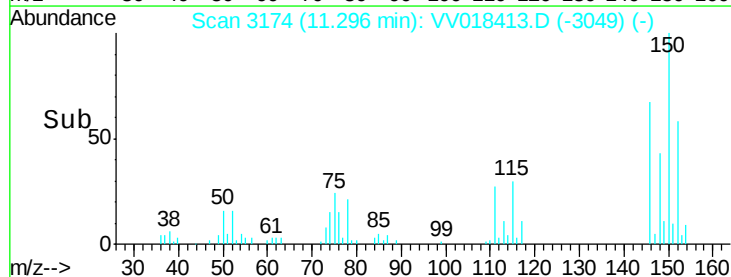
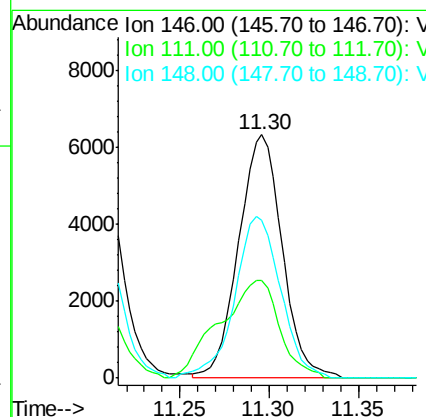
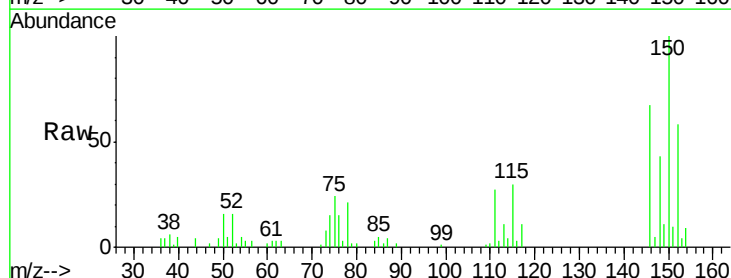
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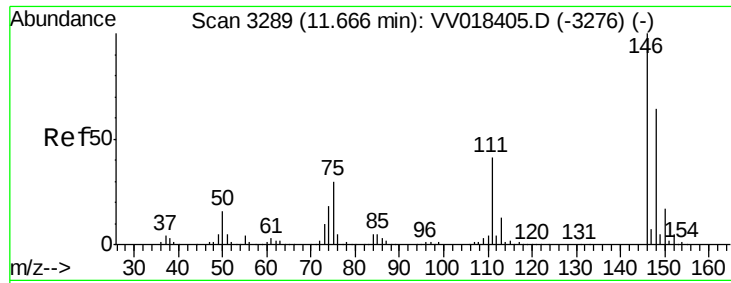
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#65
 1,4-Dichlorobenzene
 Concen: 2.235 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	26.6	49.4
148	64.6	44.3	82.3





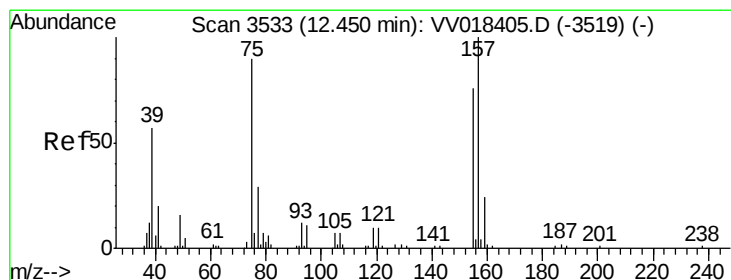
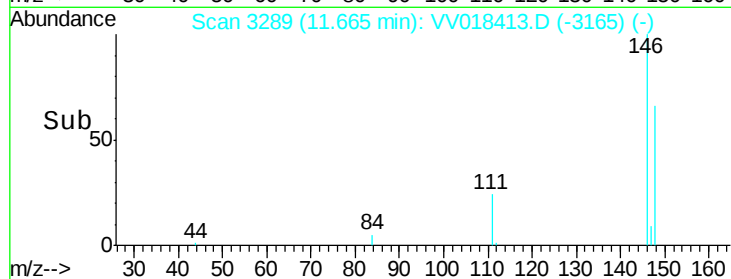
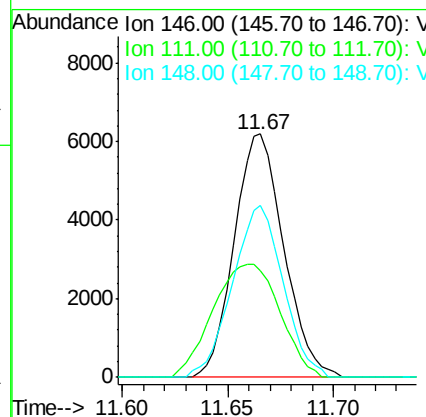
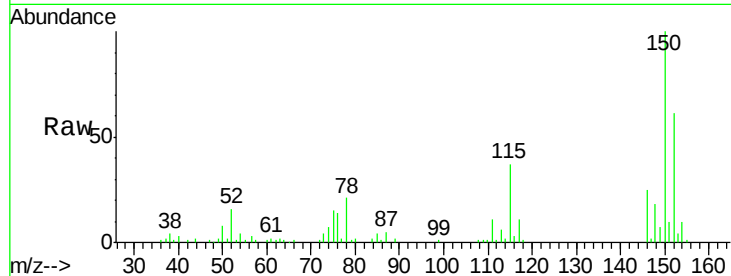
#67
 1,2-Dichlorobenzene
 Concen: 2.184 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	32.6	49.0
148	70.4	51.0	76.6

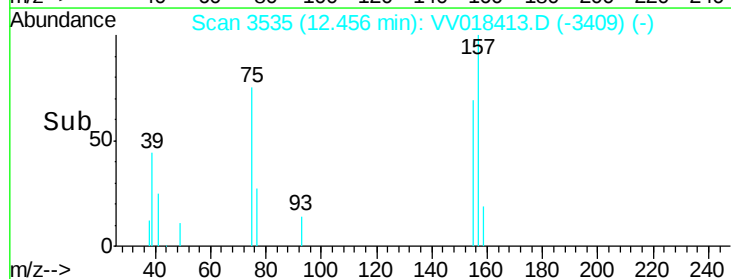
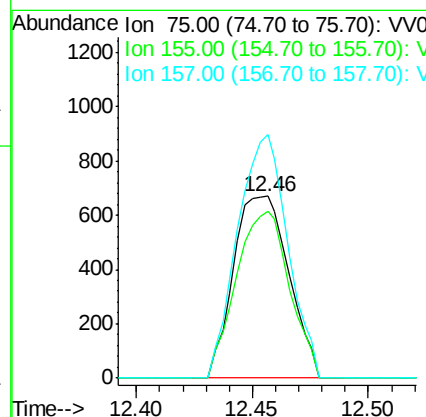
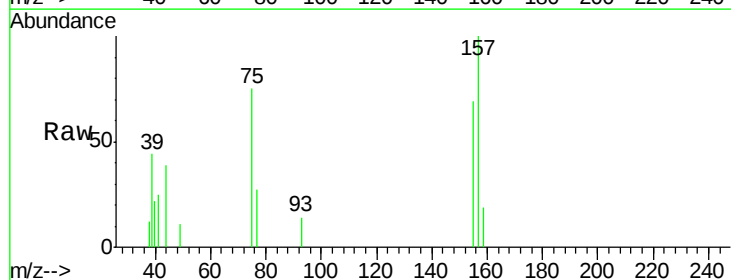
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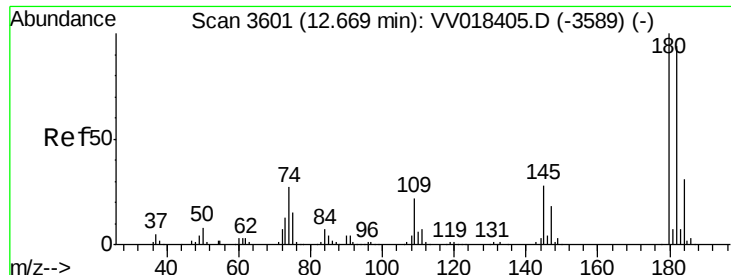
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.721 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. 0.01 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	67.6	101.4
157	133.9	88.7	133.1#





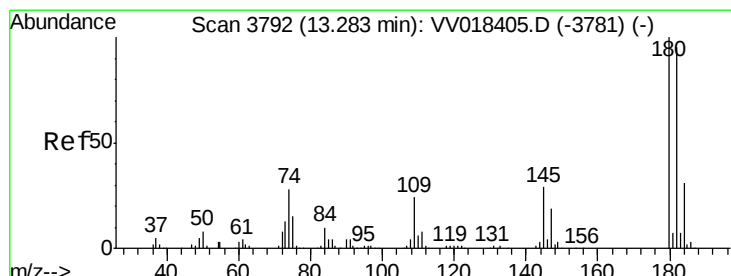
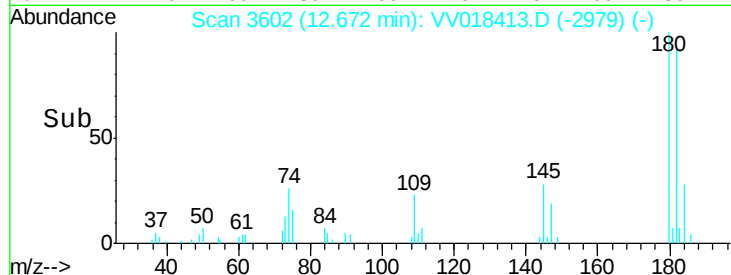
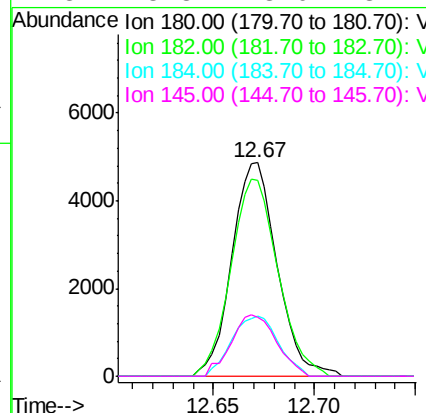
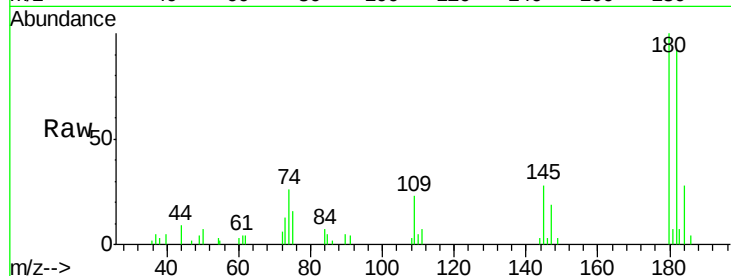
#69
 1,3,5-Trichlorobenzene
 Concen: 2.133 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:	180	Resp:	7657
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.6	115.0
184	29.0	24.8	37.2
145	28.8	23.0	34.4

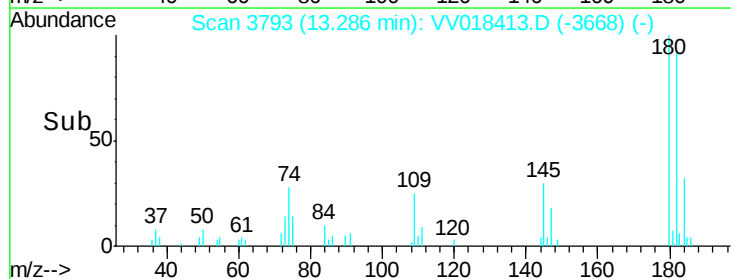
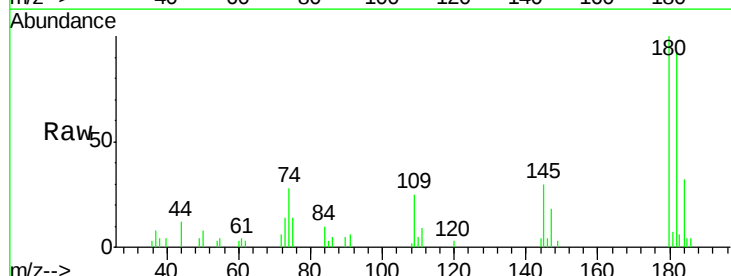
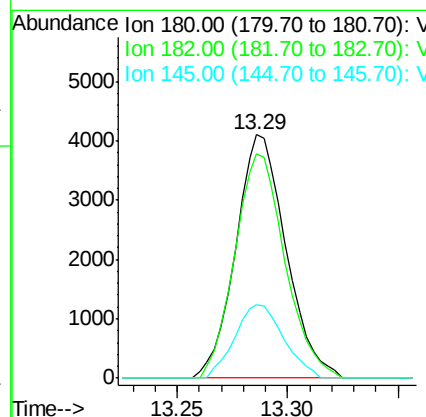
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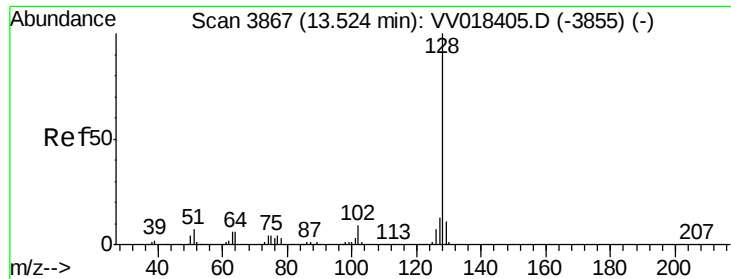
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#70
 1,2,4-trichlorobenzene
 Concen: 2.016 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion:	180	Resp:	6486
Ion	Ratio	Lower	Upper
180	100		
182	92.1	75.8	113.6
145	29.2	23.0	34.4





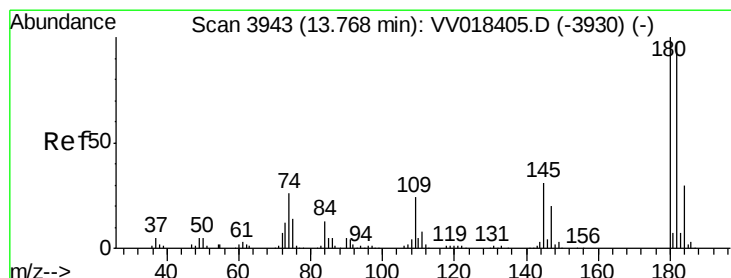
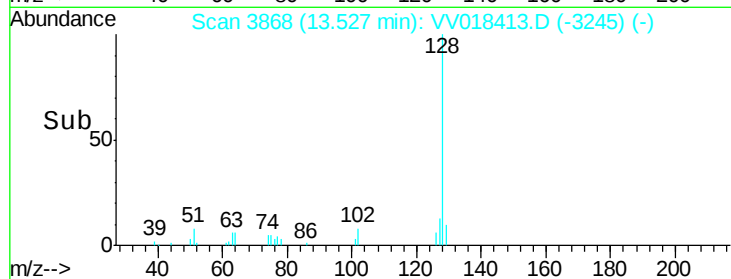
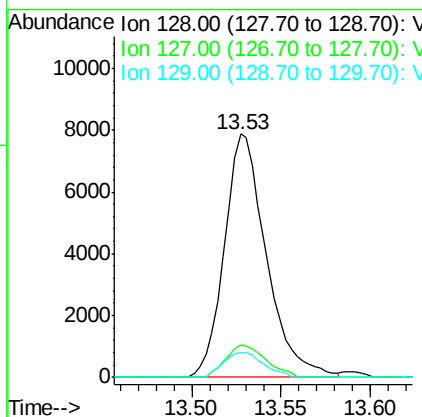
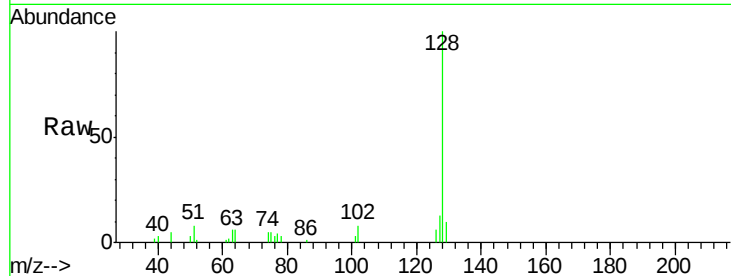
#71
Naphthalene
Concen: 1.544 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	9.5	8.7	13.1

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.909 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.1	115.7
145	30.8	25.0	37.6

