

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018412.D
 Acq On : 23 Sep 2020 14:27
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 1:22:43 PM

Quant Time: Sep 24 08:09:36 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	293272	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	290192	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	146154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82643	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.84%
7) Chloroethane-d5	1.58	69	72133	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.10%
11) 1,1-Dichloroethene-d2	2.12	63	129257	33.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.76%
21) 2-Butanone-d5	3.92	46	127131	97.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.46%
24) Chloroform-d	4.38	84	170089	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
26) 1,2-Dichloroethane-d4	5.06	65	114443	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.08	84	342582	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
36) 1,2-Dichloropropane-d6	6.09	67	112358	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.38%
41) Toluene-d8	7.34	98	312444	46.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.42%
43) trans-1,3-Dichloropropene-	7.64	79	53591	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.66%
47) 2-Hexanone-d5	8.11	63	79782	91.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.99%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	135745	44.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.72%
66) 1,2-Dichlorobenzene-d4	11.65	152	137014	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4188	1.935	ug/L	99
3) Chloromethane	1.25	50	5348	2.228	ug/L	96
5) Vinyl chloride	1.32	62	5683	2.313	ug/L #	72
6) Bromomethane	1.53	94	3458	2.215	ug/L	97
8) Chloroethane	1.60	64	3470	2.192	ug/L	98
9) Trichlorofluoromethane	1.77	101	7081	2.027	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5390	2.517	ug/L	85
12) 1,1-Dichloroethene	2.13	96	5279	2.592	ug/L #	1
13) Acetone	2.21	43	7409	4.491	ug/L	95
14) Carbon disulfide	2.31	76	13075	2.261	ug/L	98
15) Methyl Acetate	2.46	43	4816	2.212	ug/L	93
16) Methylene chloride	2.53	84	5640	2.446	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	4257	2.065	ug/L	94
18) Methyl tert-butyl Ether	2.79	73	13453	2.100	ug/L	98
19) 1,1-Dichloroethane	3.21	63	8554	2.137	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	4656	2.095	ug/L	91
22) 2-Butanone	4.04	43	5251m	3.206	ug/L	

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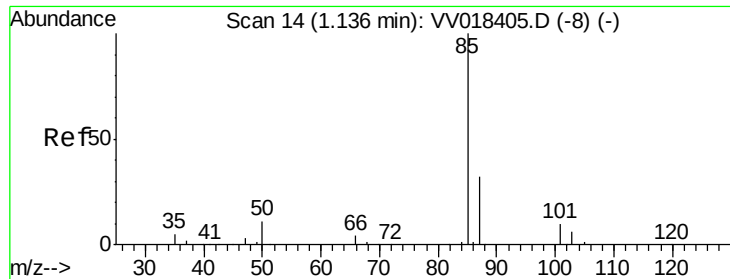
Manual Integrations
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Quant Time: Sep 24 08:09:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2395	2.012	ug/L	95
25) Chloroform	4.41	83	10450	2.583	ug/L	96
27) 1,2-Dichloroethane	5.17	62	6932	2.211	ug/L	98
29) Cyclohexane	4.70	56	6563	1.943	ug/L	96
30) 1,1,1-Trichloroethane	4.64	97	7502	2.102	ug/L	98
31) Carbon tetrachloride	4.86	117	6443	2.071	ug/L	97
33) Benzene	5.13	78	19533	2.247	ug/L	100
34) Trichloroethene	5.94	95	5318	2.226	ug/L	96
35) Methylcyclohexane	6.16	83	6361	1.834	ug/L	95
37) 1,2-Dichloropropane	6.20	63	5184	2.256	ug/L #	95
38) Bromodichloromethane	6.54	83	6043	2.009	ug/L	95
39) cis-1,3-Dichloropropene	7.06	75	7208	2.091	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	10521	3.858	ug/L	96
42) Toluene	7.41	91	19477	2.136	ug/L	93
44) trans-1,3-Dichloropropene	7.68	75	6880	2.013	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	4632	2.140	ug/L	98
46) Tetrachloroethene	8.00	164	3902	2.086	ug/L	95
48) 2-Hexanone	8.16	43	14466	6.258	ug/L	91
49) Dibromochloromethane	8.27	129	4845	2.011	ug/L	99
50) 1,2-Dibromoethane	8.38	107	4612	2.047	ug/L	93
51) Chlorobenzene	8.90	112	12992	2.132	ug/L	93
52) Ethylbenzene	9.04	91	19593	1.953	ug/L	97
53) m,p-Xylene	9.16	106	6798	1.814	ug/L	98
54) o-Xylene	9.57	106	6325	1.752	ug/L	100
55) Styrene	9.59	104	10510	1.664	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.26	83	7161	2.270	ug/L	99
59) Bromoform	9.76	173	3152	1.929	ug/L #	95
60) Isopropylbenzene	9.96	105	17361	1.927	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5780	2.279	ug/L	94
62) 1,3,5-Trimethylbenzene	10.56	105	12825	1.759	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	12663	1.691	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	10065	2.198	ug/L	94
65) 1,4-Dichlorobenzene	11.30	146	10999	2.292	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	10779	2.342	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1252	1.954	ug/L	86
69) 1,3,5-Trichlorobenzene	12.67	180	7684	2.152	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	6313	1.974	ug/L	98
71) Naphthalene	13.53	128	13539	1.632	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	6154	1.914	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.935 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 85 Resp: 4188

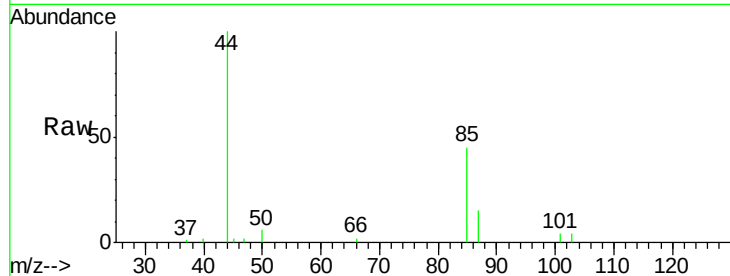
Ion Ratio Lower Upper

85 100

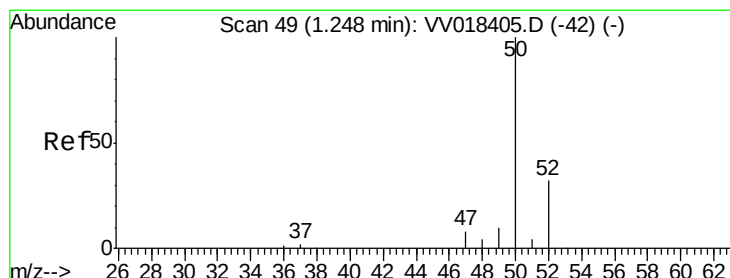
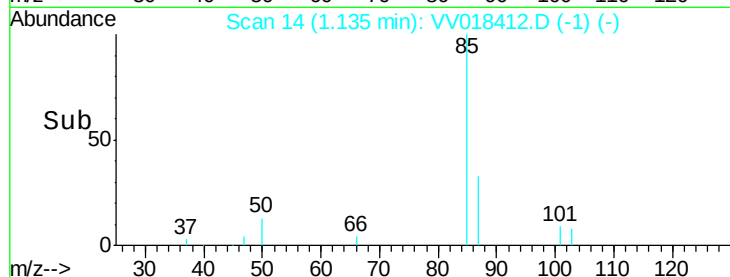
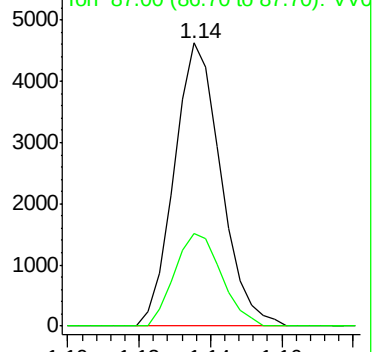
87 33.0 25.8 38.6

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Abundance Ion 85.00 (84.70 to 85.70): VV018412.D (-1) (-)



#3

Chloromethane

Concen: 2.228 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018412.D

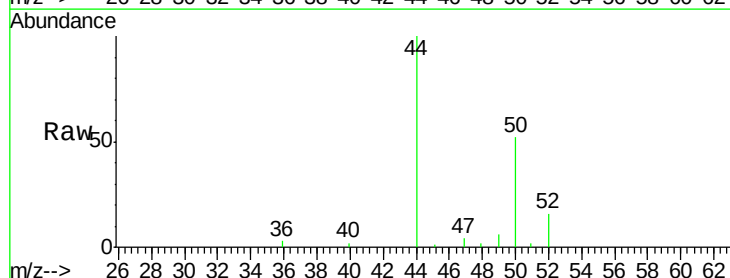
Acq: 23 Sep 2020 14:27

Tgt Ion: 50 Resp: 5348

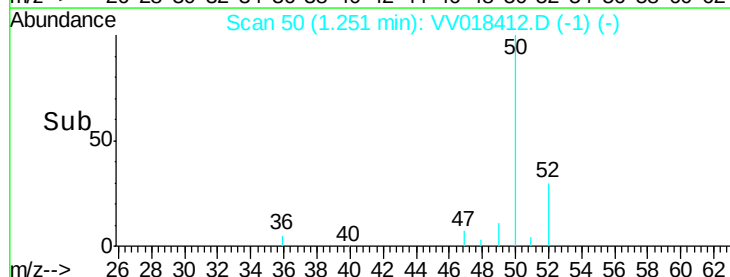
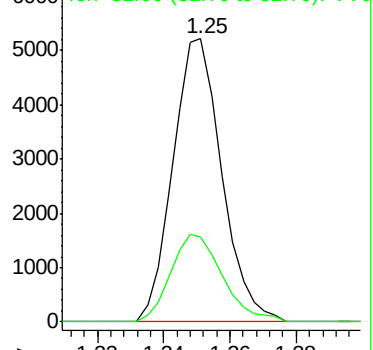
Ion Ratio Lower Upper

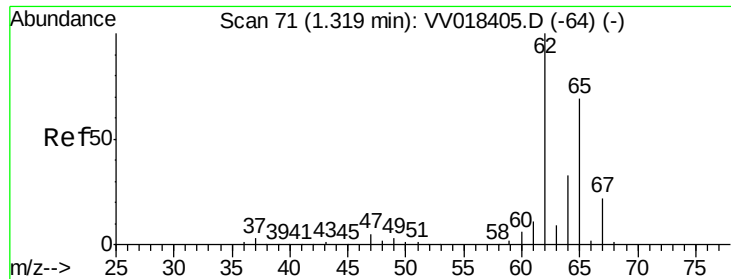
50 100

52 29.9 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV018412.D (-1) (-)





#5

Vinyl chloride

Concen: 2.313 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 62 Resp: 5683

Ion Ratio Lower Upper

62 100

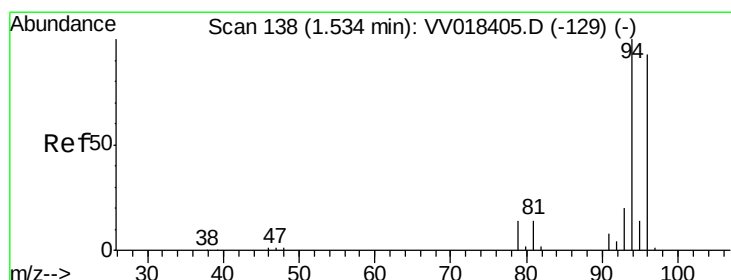
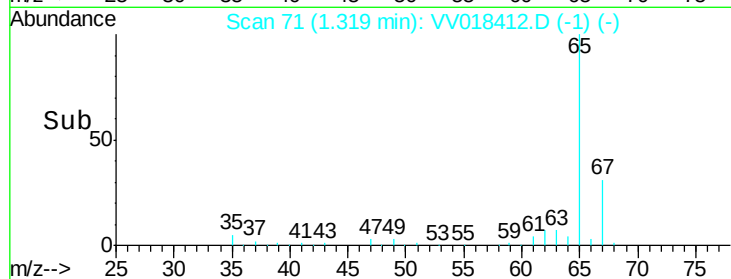
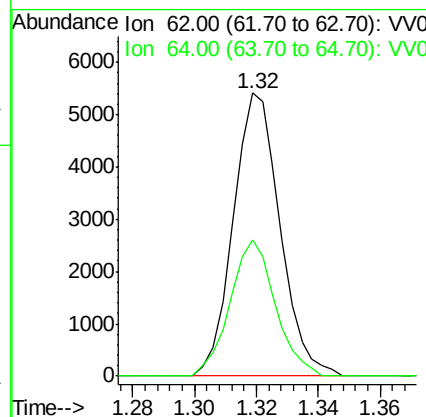
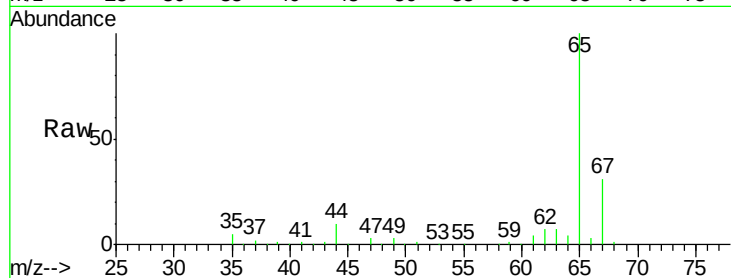
64 48.3 22.9 42.5#

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#6

Bromomethane

Concen: 2.215 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018412.D

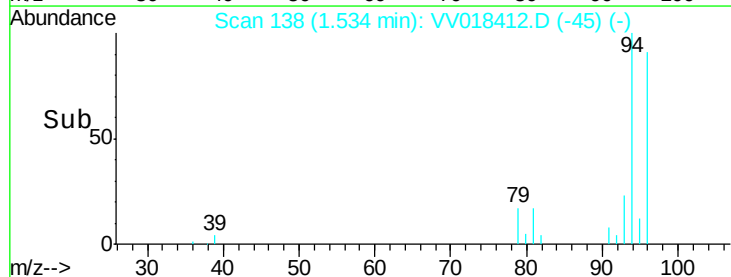
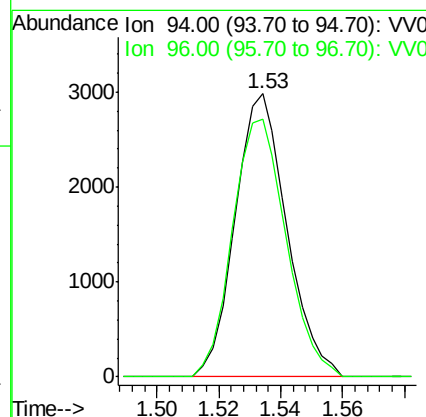
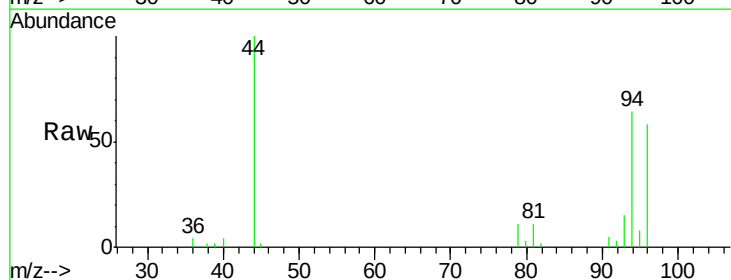
Acq: 23 Sep 2020 14:27

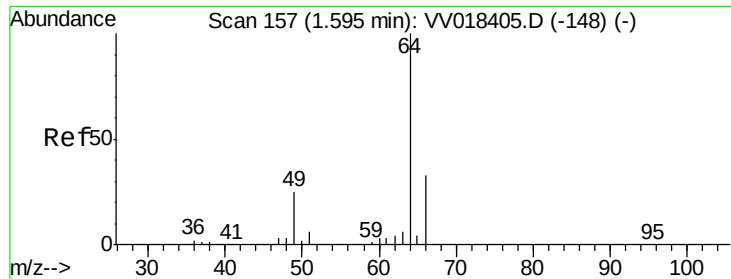
Tgt Ion: 94 Resp: 3458

Ion Ratio Lower Upper

94 100

96 90.9 65.4 121.4





#8

Chloroethane

Concen: 2.192 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 64 Resp: 3470

Ion Ratio Lower Upper

64 100

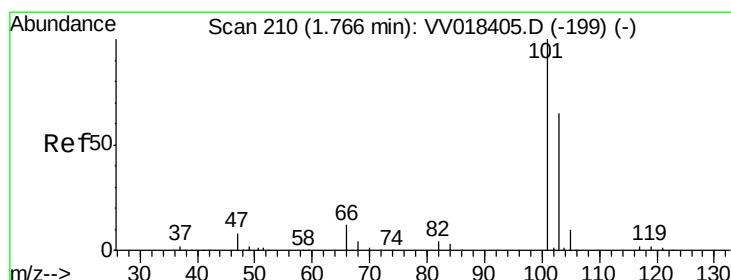
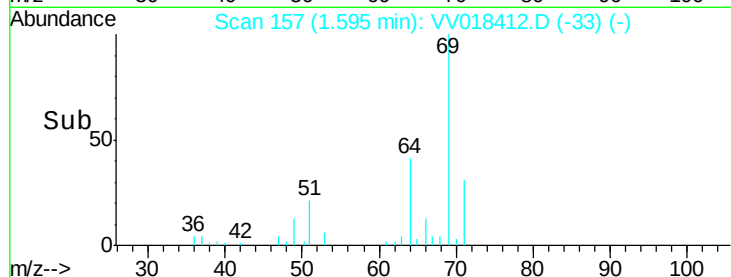
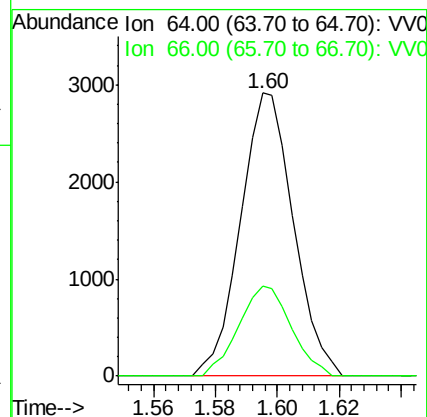
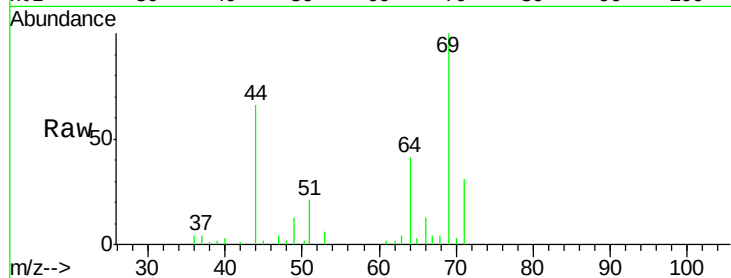
66 31.8 23.0 42.6

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: VV018412.D

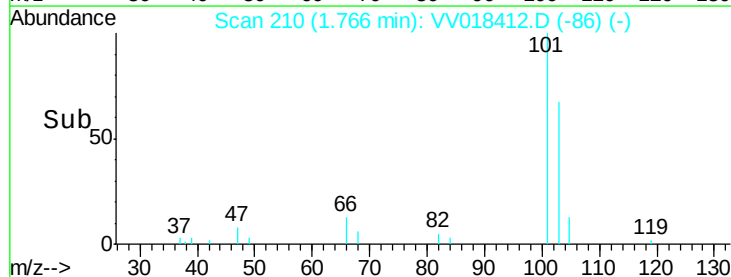
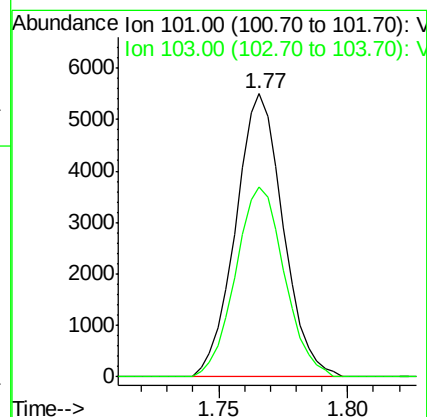
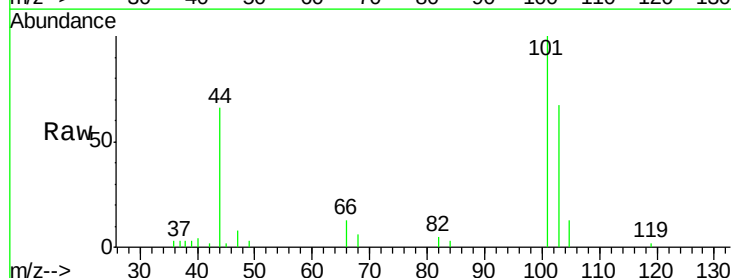
Acq: 23 Sep 2020 14:27

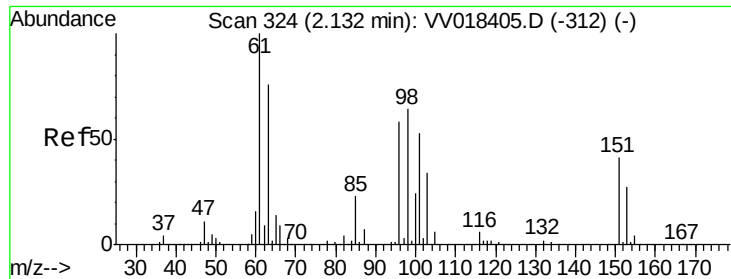
Tgt Ion: 101 Resp: 7081

Ion Ratio Lower Upper

101 100

103 69.0 52.1 78.1





#10

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

Concen: 2.517 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

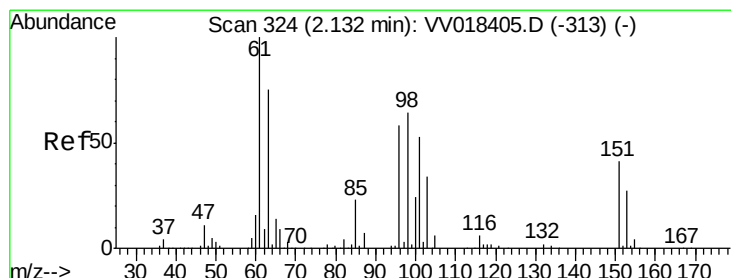
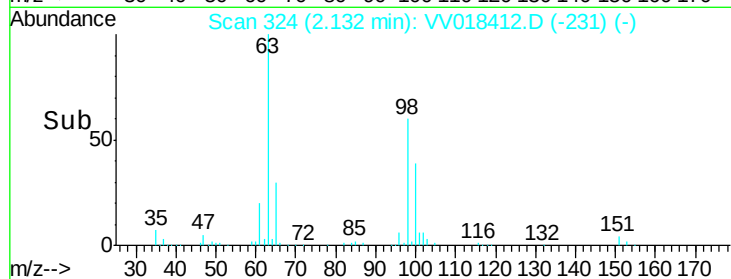
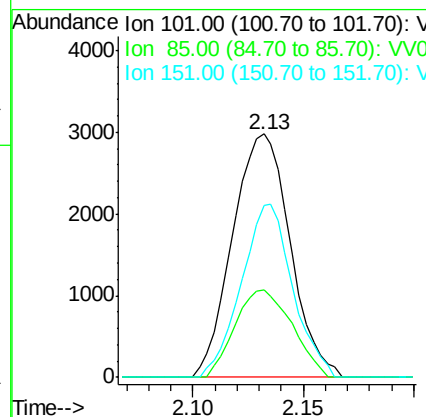
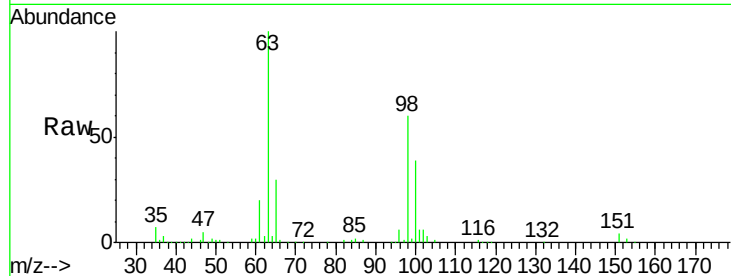
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	5390
Ion Ratio	Lower	Upper	
101	100		
85	35.5	34.6	51.8
151	63.4	62.4	93.6

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.592 ug/L

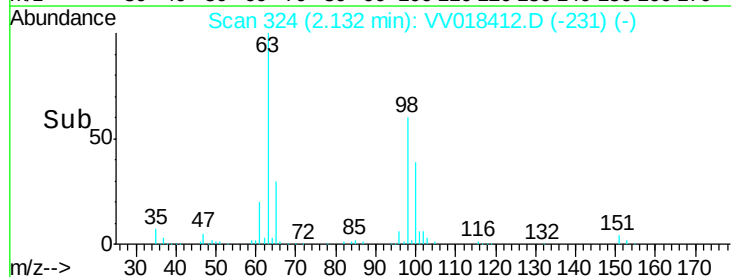
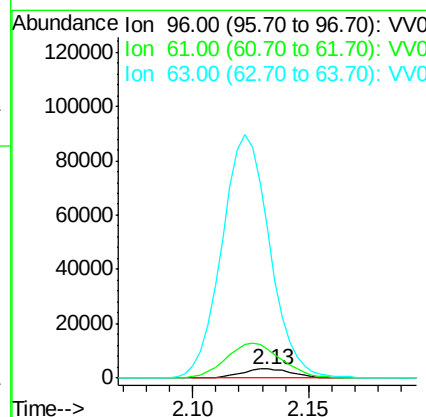
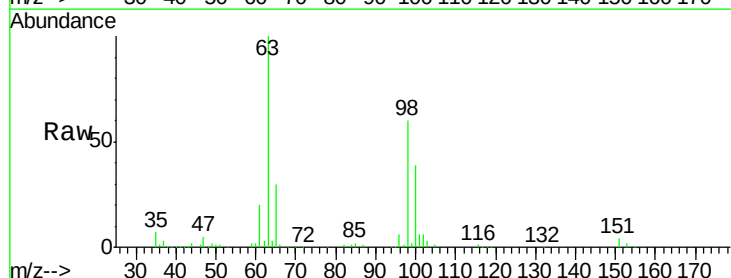
RT: 2.13 min Scan# 324

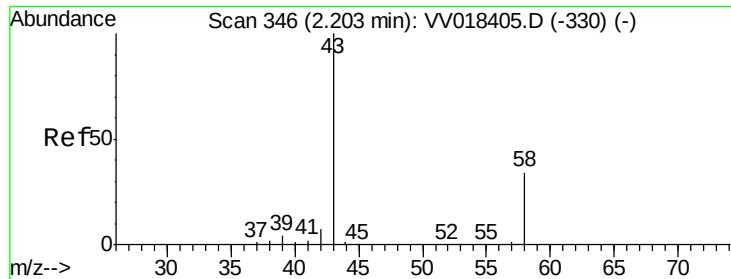
Delta R.T. -0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tgt Ion:	96	Resp:	5279
Ion Ratio	Lower	Upper	
96	100		
61	323.2	121.0	224.8#
63	1623.9	93.0	172.6#





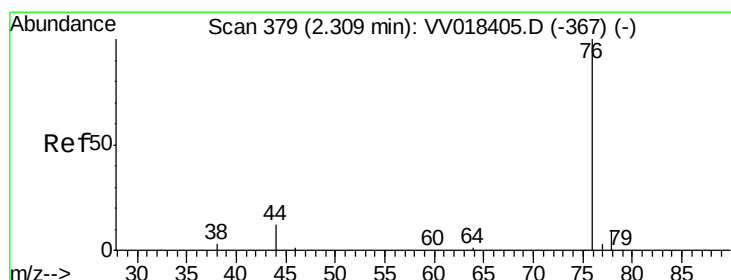
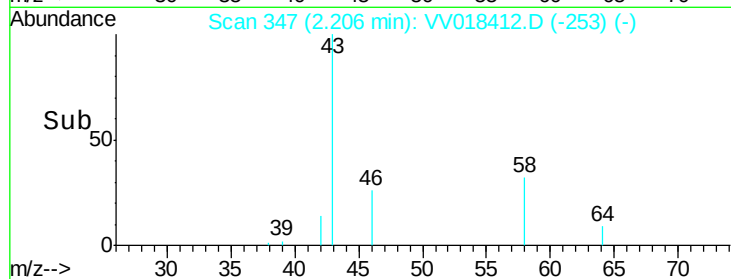
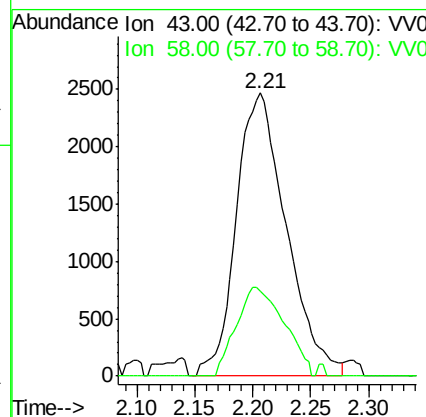
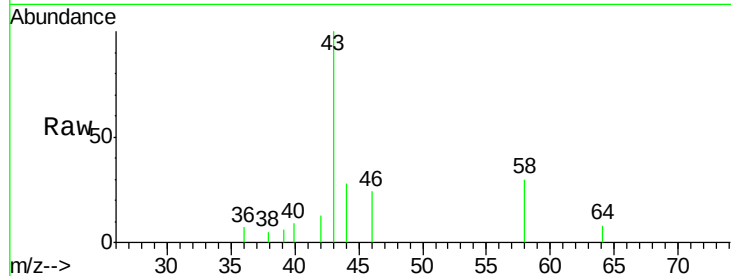
#13
Acetone
Concen: 4.491 ug/L
RT: 2.21 min Scan# 347
Delta R.T. 0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 43 Resp: 7409
Ion Ratio Lower Upper
43 100
58 30.0 0.0 65.8

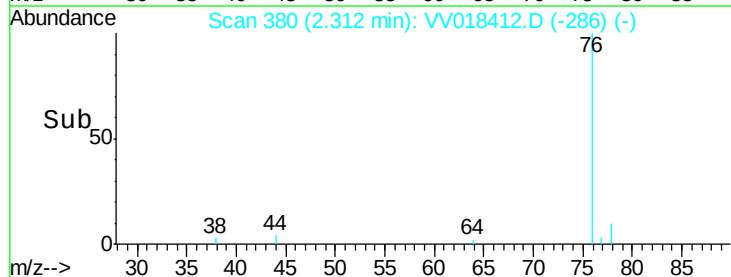
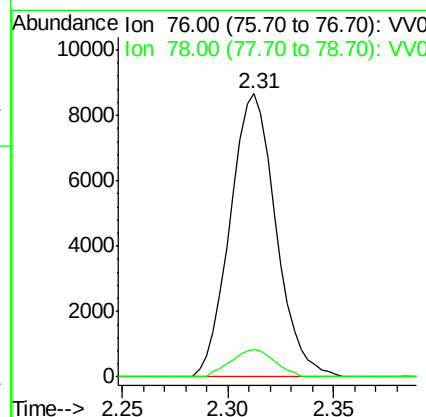
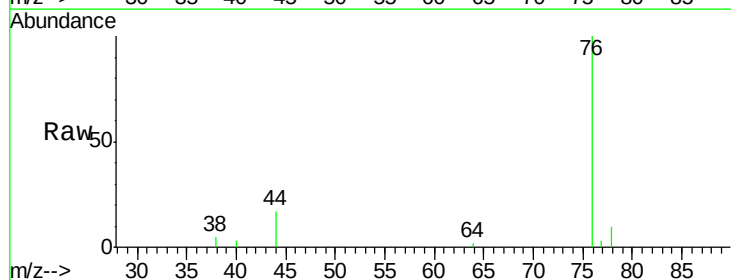
Manual Integrations
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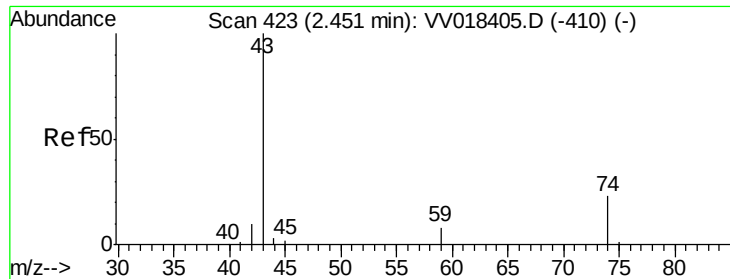
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#14
Carbon disulfide
Concen: 2.261 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Tgt Ion: 76 Resp: 13075
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8





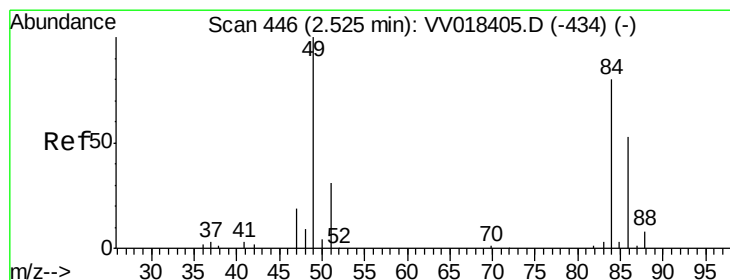
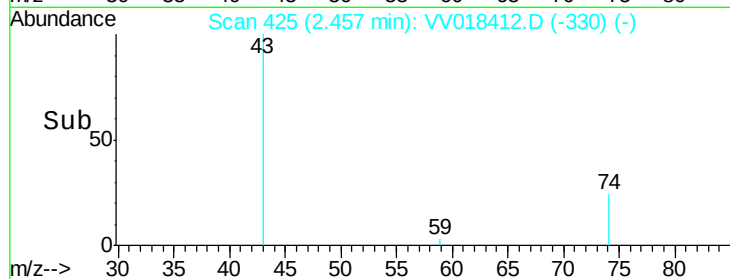
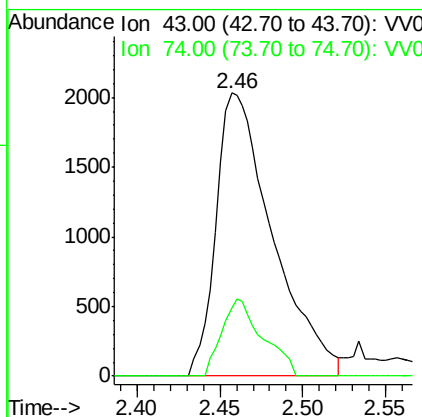
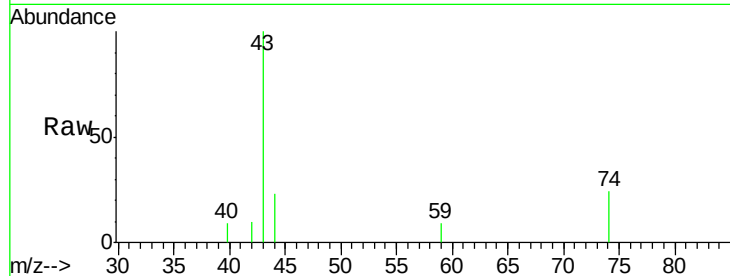
#15
Methvl Acetate
Concen: 2.212 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 43 Resp: 4816
Ion Ratio Lower Upper
43 100
74 19.6 18.4 27.6

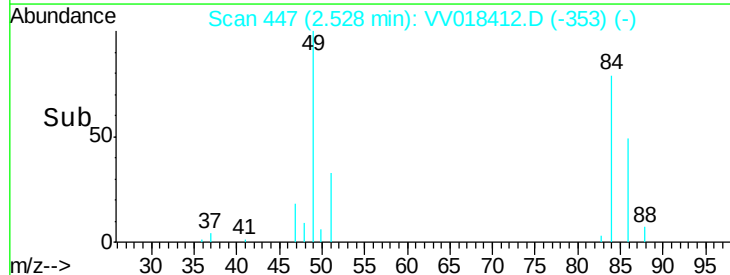
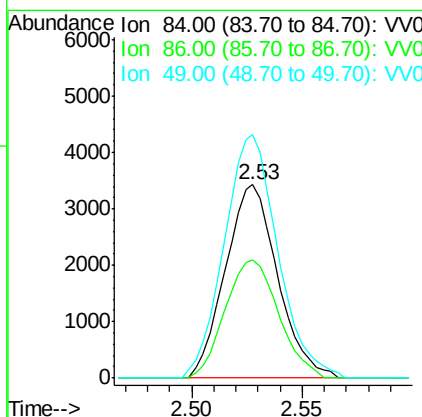
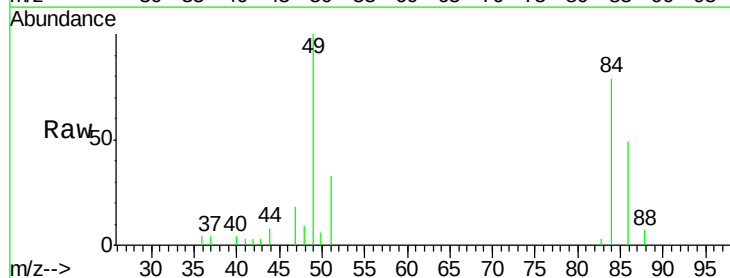
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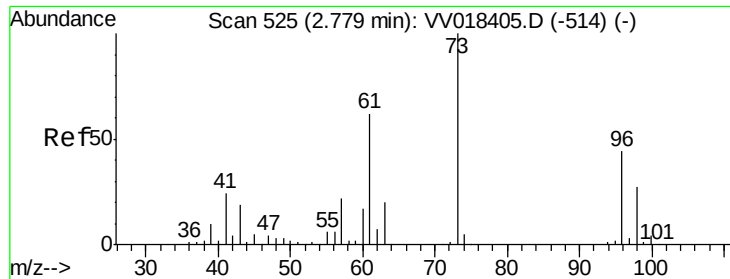
MMDadoda
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#16
Methylene chloride
Concen: 2.446 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Tgt Ion: 84 Resp: 5640
Ion Ratio Lower Upper
84 100
86 61.4 46.0 85.4
49 126.0 87.5 162.5





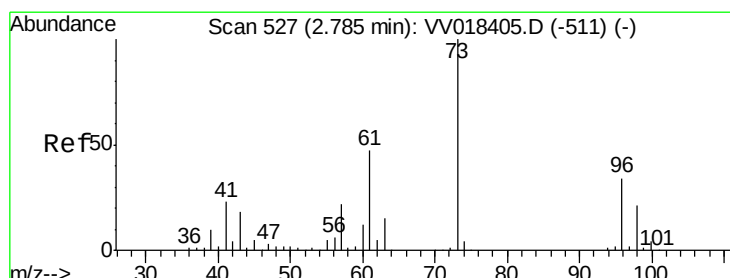
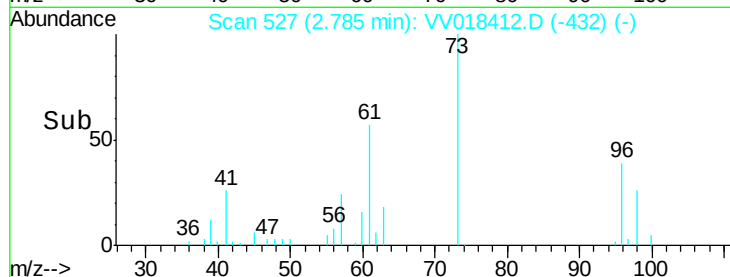
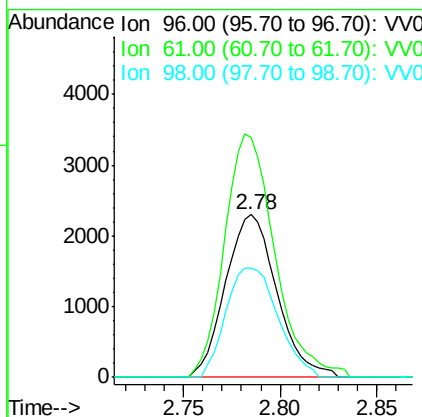
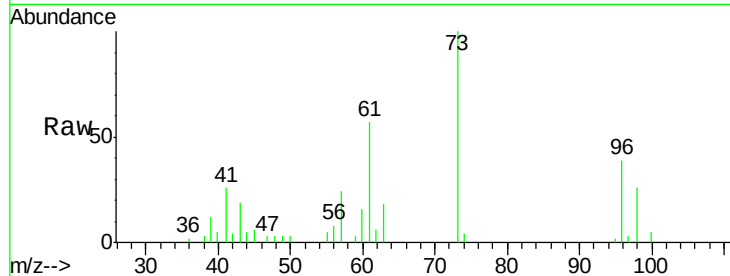
#17
trans-1,2-Dichloroethene
Concen: 2.065 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	98.3	182.5
98	67.2	43.5	80.7

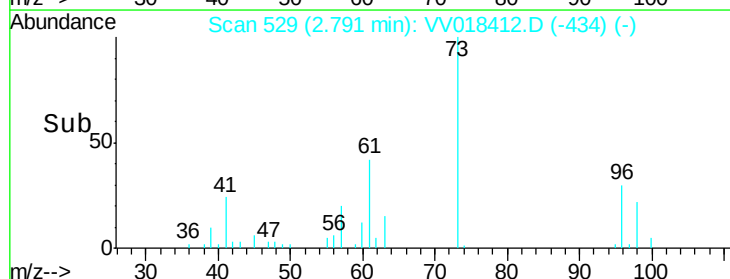
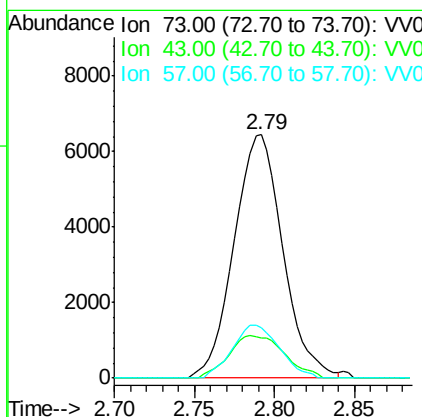
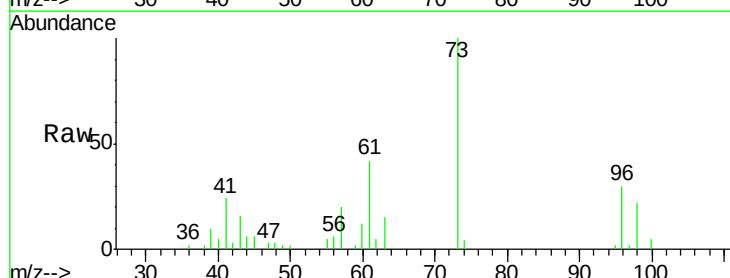
Manual Integrations
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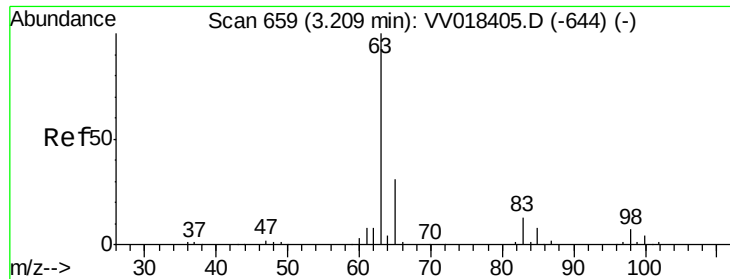
MMDadoda
10/5/2020 1:22:43 PM



#18
Methyl tert-butyl Ether
Concen: 2.100 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.4	23.2
57	21.2	17.8	26.6





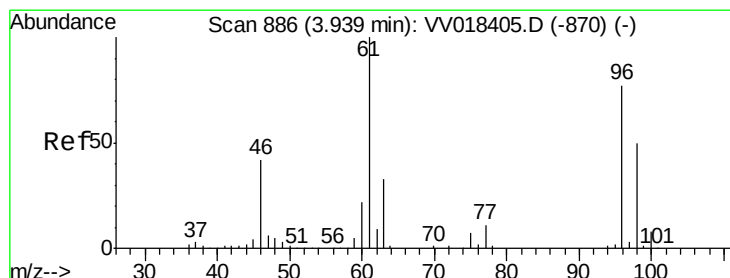
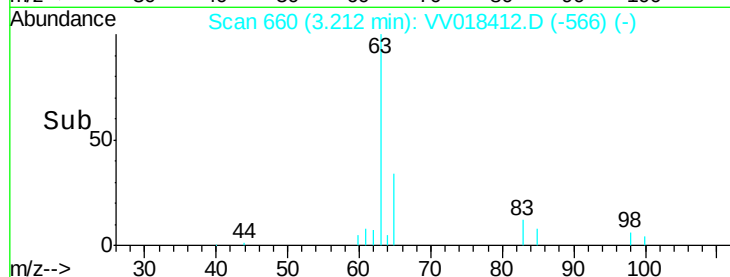
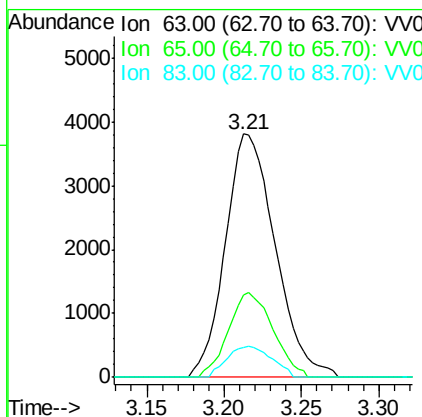
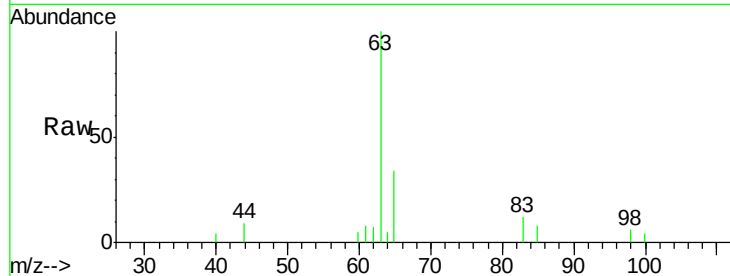
#19
 1,1-Dichloroethane
 Concen: 2.137 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:	63	Resp:	8554
Ion	Ratio	Lower	Upper
63	100		
65	33.6	21.8	40.6
83	12.4	9.2	17.2

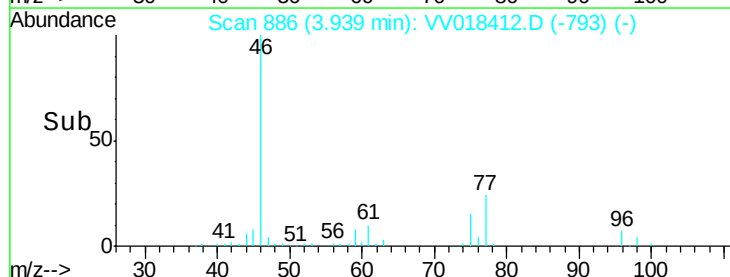
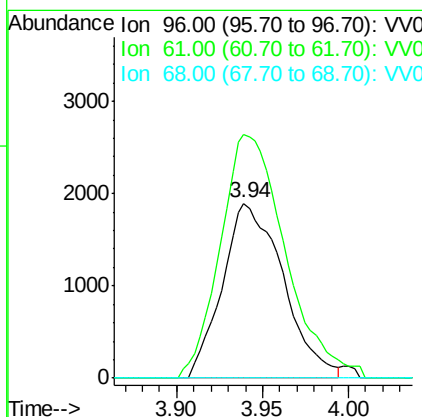
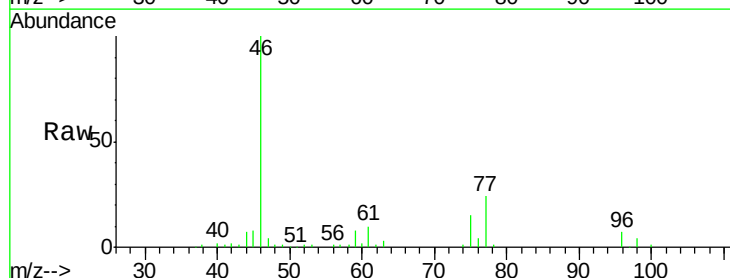
Manual Integrations
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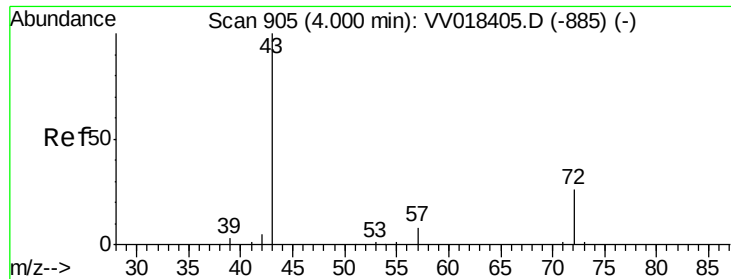
MMDadoda
 10/5/2020 1:22:43 PM



#20
 cis-1,2-Dichloroethene
 Concen: 2.095 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Tgt Ion:	96	Resp:	4656
Ion	Ratio	Lower	Upper
96	100		
61	139.5	90.4	167.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.206 ug/L m

RT: 4.04 min Scan# 917

Delta R.T. 0.04 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 43 Resp: 5251

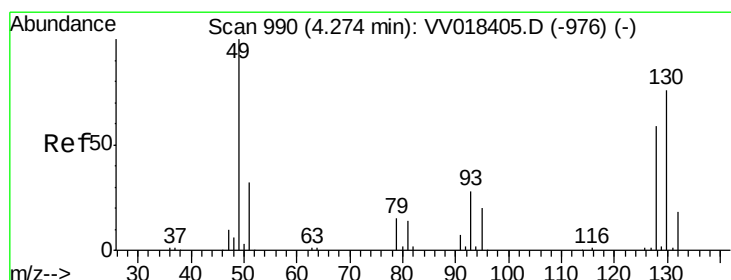
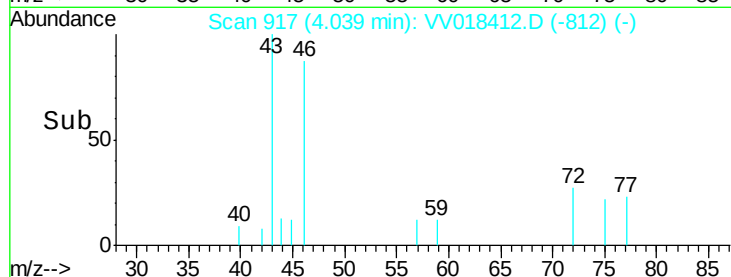
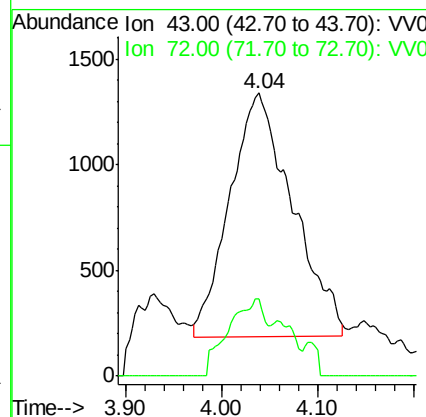
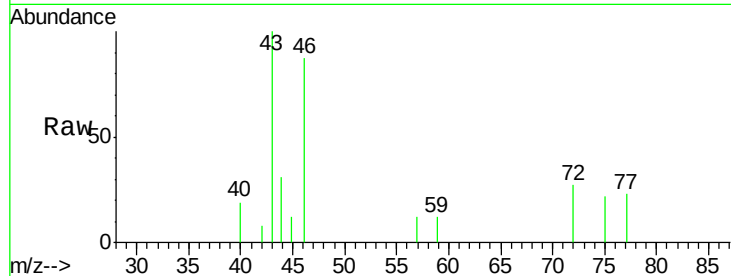
Ion Ratio Lower Upper

43 100

72 1.0 12.8 38.3#

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10/5/2020 1:22:43 PM



#23

Bromochloromethane

Concen: 2.012 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tgt Ion: 128 Resp: 2395

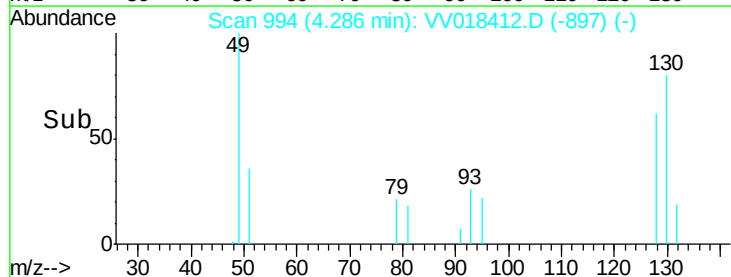
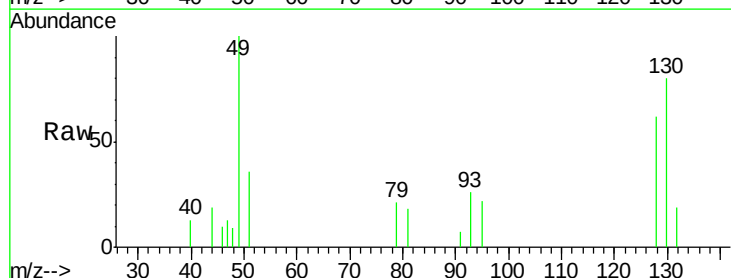
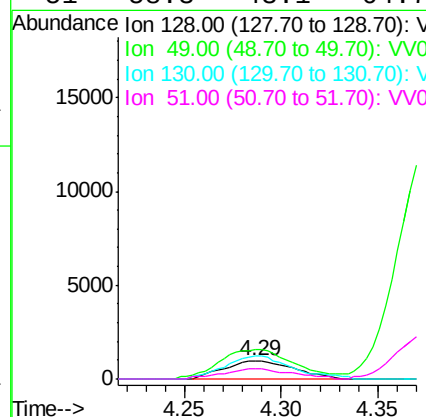
Ion Ratio Lower Upper

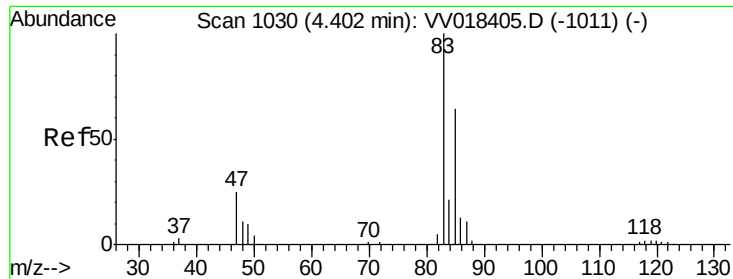
128 100

49 160.6 120.3 223.3

130 128.9 91.3 169.5

51 58.3 43.1 64.7





#25

Chloroform

Concen: 2.583 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 83 Resp: 10450

Ion Ratio Lower Upper

83 100

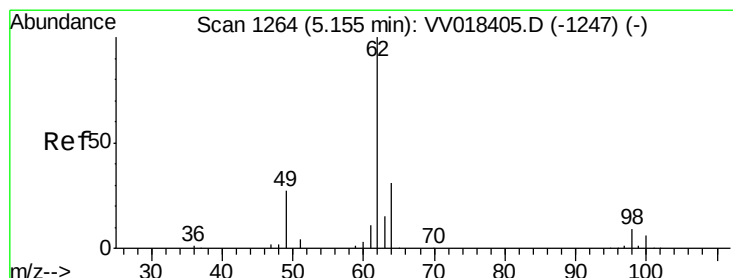
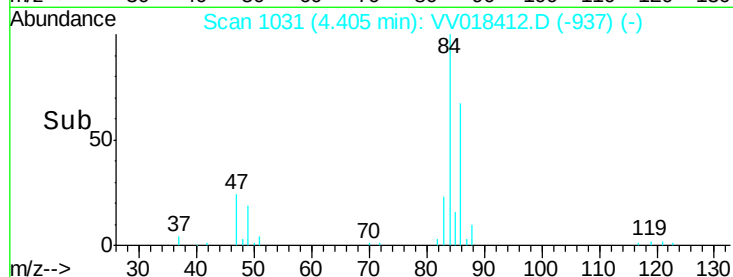
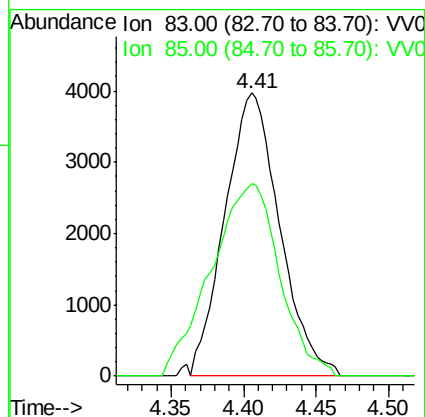
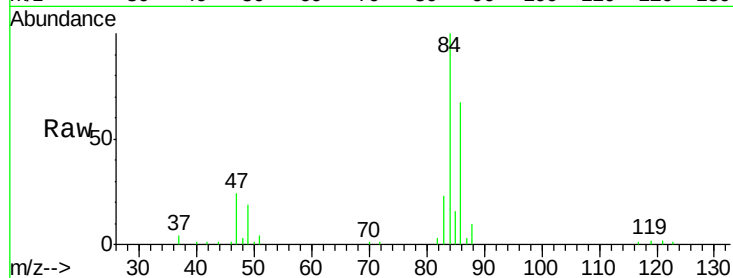
85 67.9 45.2 84.0

Manual Integrations

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10/5/2020 1:22:43 PM



#27

1,2-Dichloroethane

Concen: 2.211 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VV018412.D

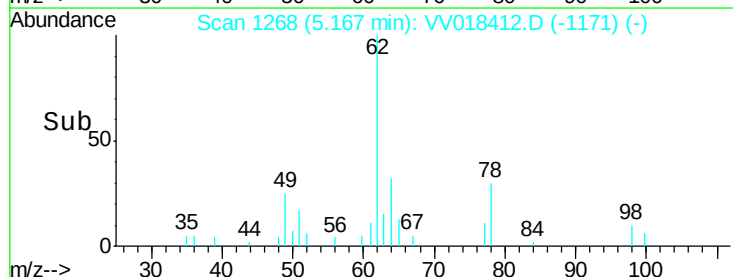
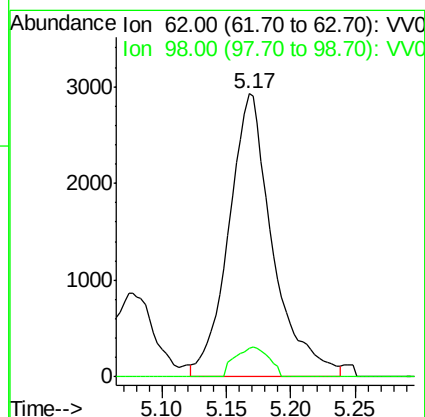
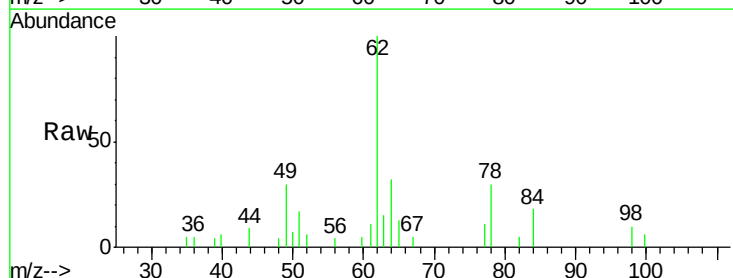
Acq: 23 Sep 2020 14:27

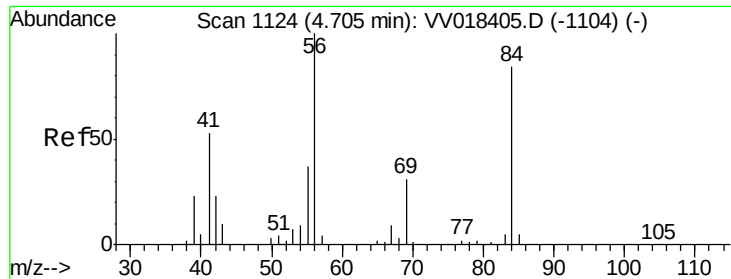
Tgt Ion: 62 Resp: 6932

Ion Ratio Lower Upper

62 100

98 10.0 7.4 11.2





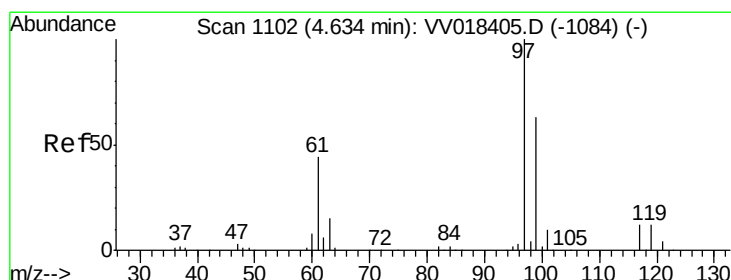
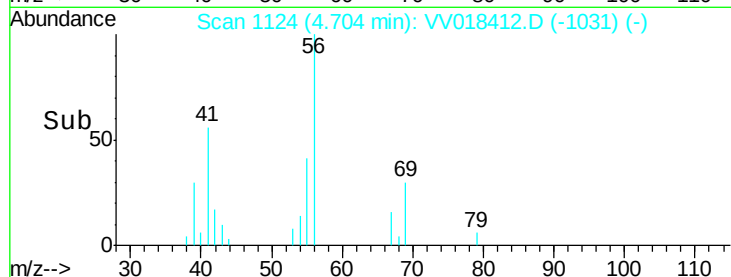
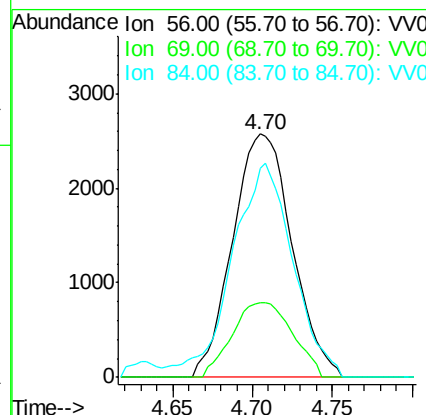
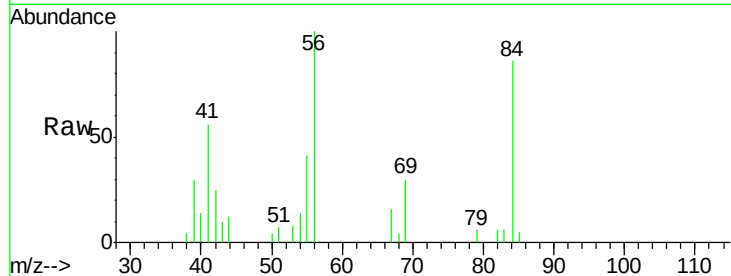
#29
Cyclohexane
Concen: 1.943 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	90.5	68.6	102.8

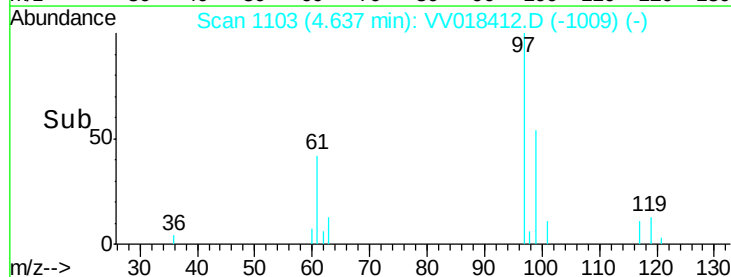
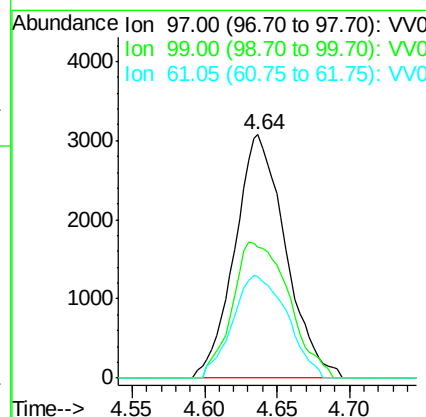
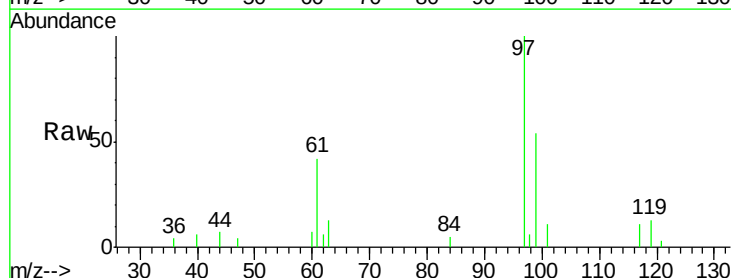
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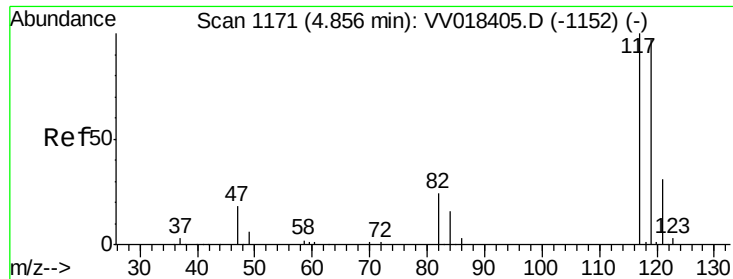
MMDadoda
10/5/2020 1:22:43 PM



#30
1,1,1-Trichloroethane
Concen: 2.102 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.7	50.7	76.1
61	45.0	35.0	52.6





#31

Carbon tetrachloride

Concen: 2.071 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion:117 Resp: 6443

Ion Ratio Lower Upper

117 100

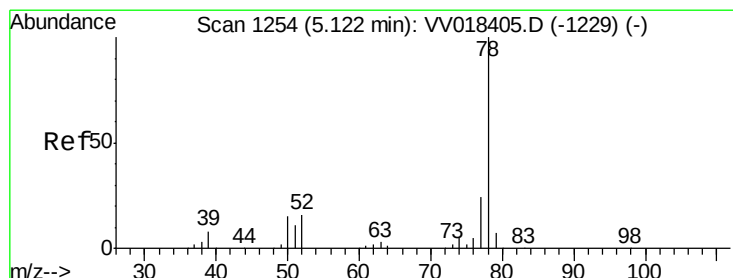
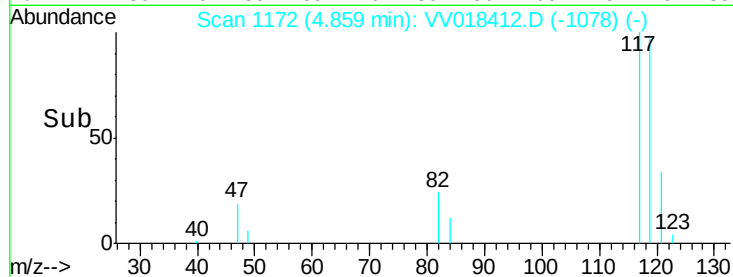
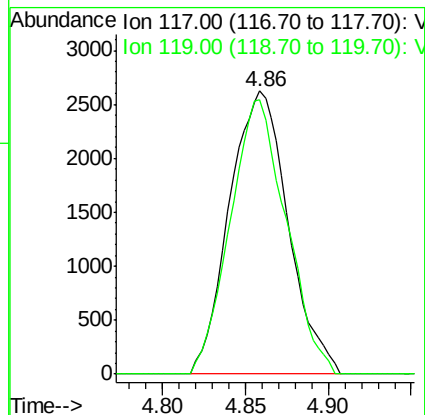
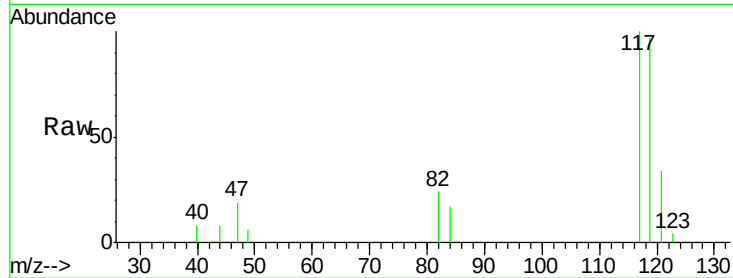
119 92.5 76.7 115.1

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10/5/2020 1:22:43 PM



#33

Benzene

Concen: 2.247 ug/L

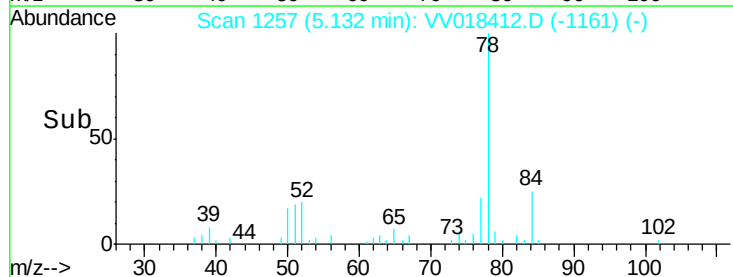
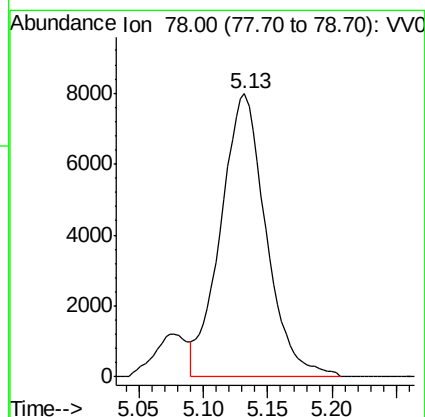
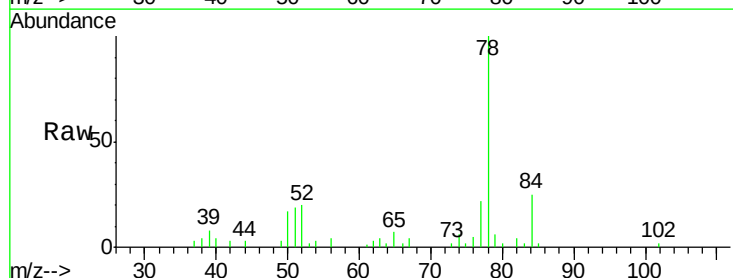
RT: 5.13 min Scan# 1257

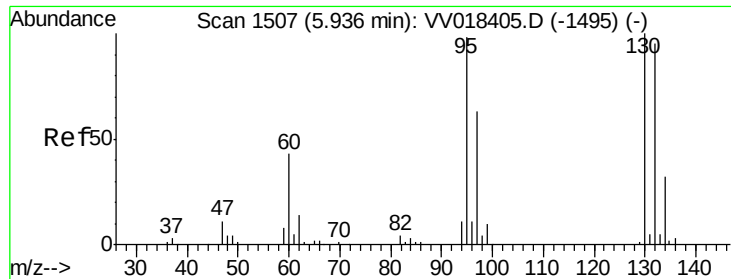
Delta R.T. 0.01 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tgt Ion: 78 Resp: 19533





#34

Trichloroethene

Concen: 2.226 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

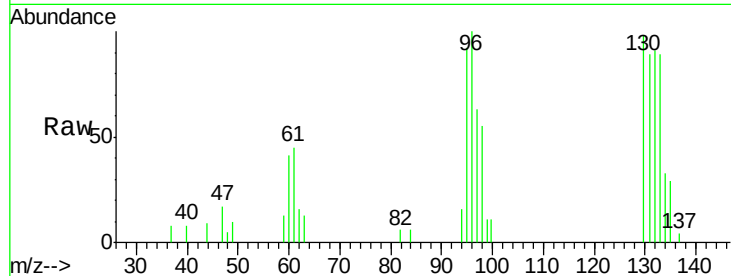
ClientSampleId :

MDL01

Tot Ion	95	Resp	5318
Ion	Ratio	Lower	Upper
95	100		
97	68.4	44.7	83.1
132	98.4	67.8	126.0
130	106.3	71.5	132.7

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10/5/2020 1:22:43 PM

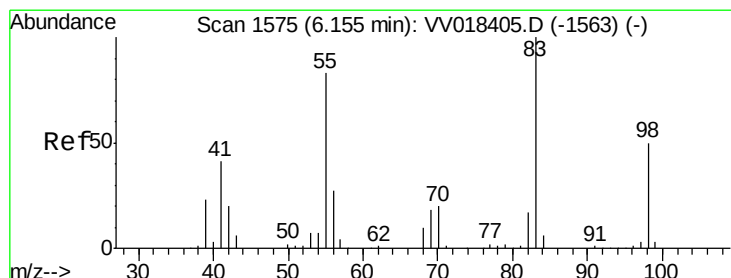
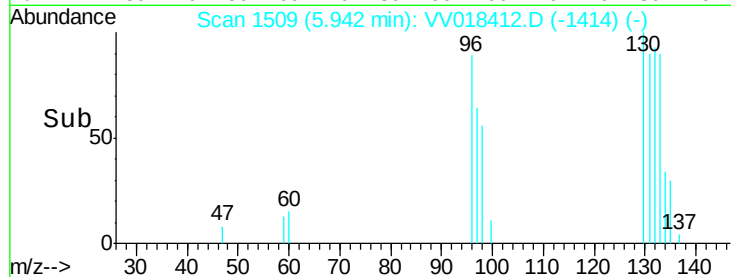
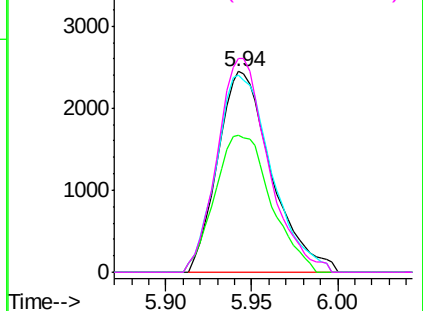


Abundance Ion 95.00 (94.70 to 95.70): VV018412.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV018412.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV018412.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV018412.D (-1414) (-)



#35

Methylcyclohexane

Concen: 1.834 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018412.D

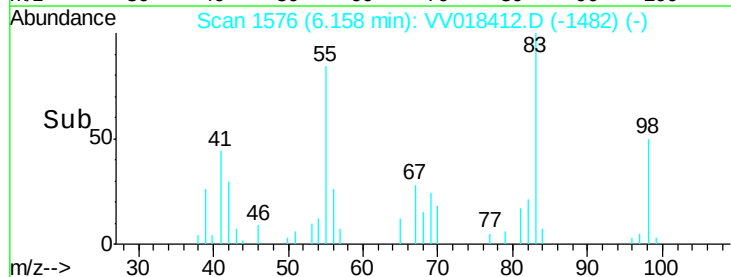
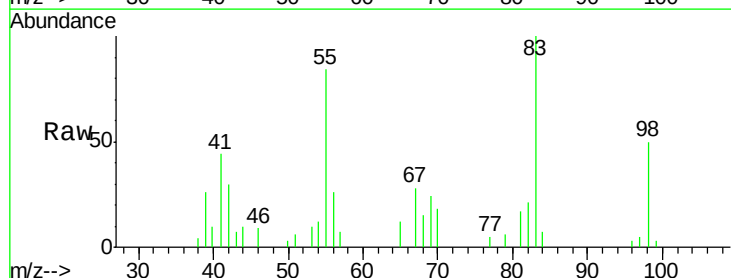
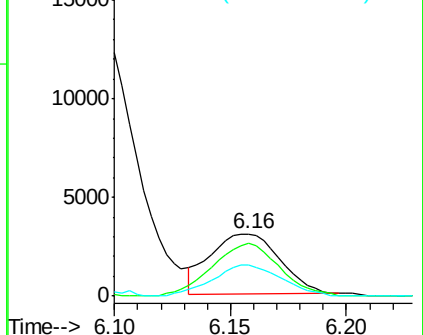
Acq: 23 Sep 2020 14:27

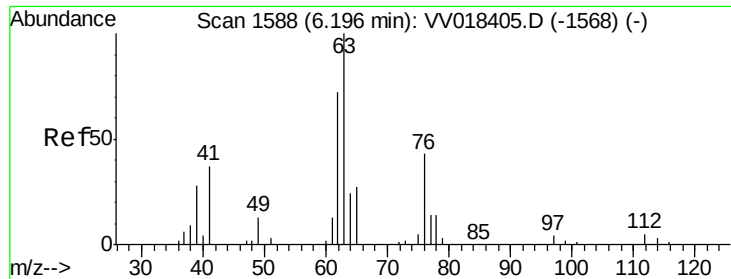
Tgt Ion	83	Resp	6361
Ion	Ratio	Lower	Upper
83	100		
55	84.6	63.6	95.4
98	51.1	38.6	58.0

Abundance Ion 83.00 (82.70 to 83.70): VV018412.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV018412.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV018412.D (-1482) (-)





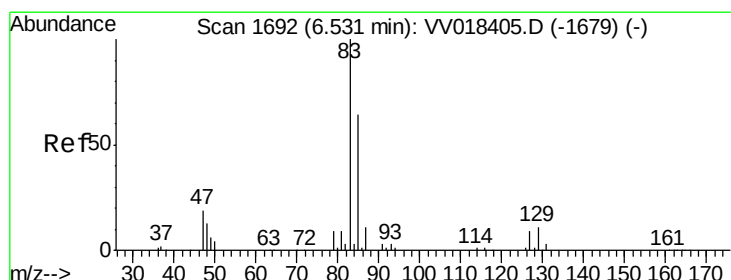
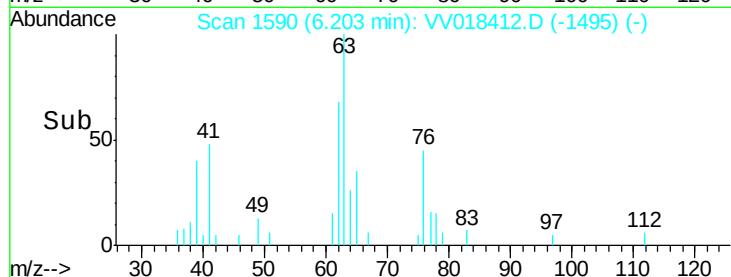
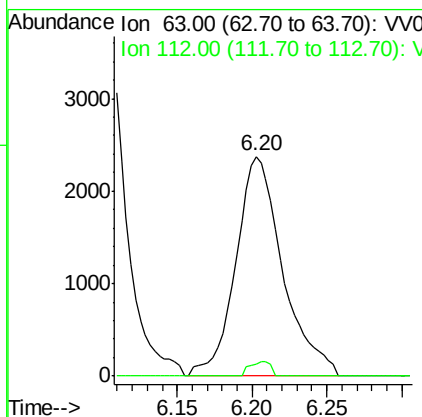
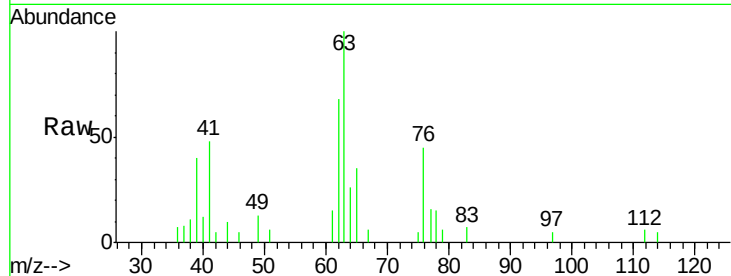
#37
 1,2-Dichloropropane
 Concen: 2.256 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion: 63 Resp: 5184
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.7 5.5#

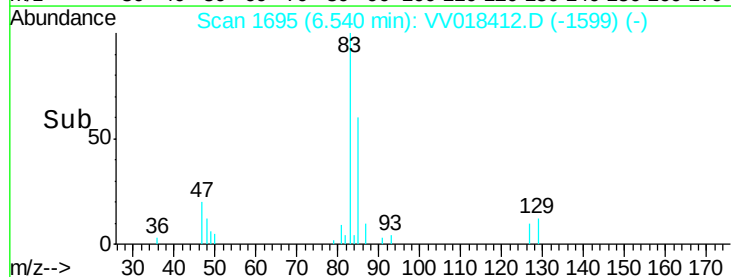
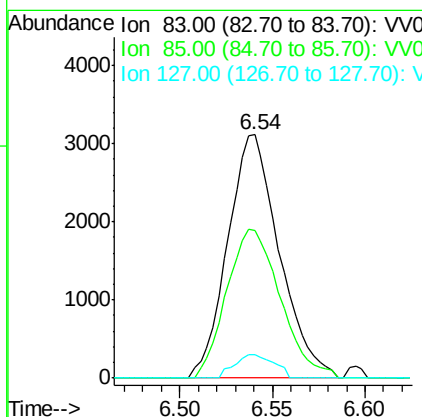
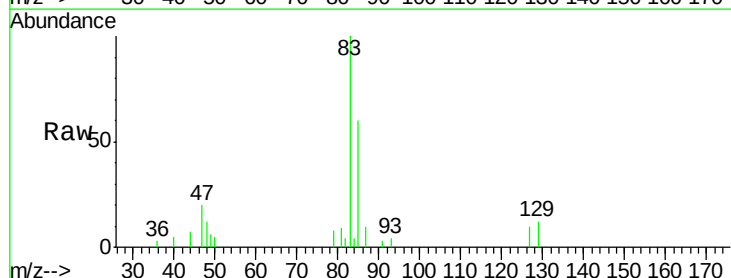
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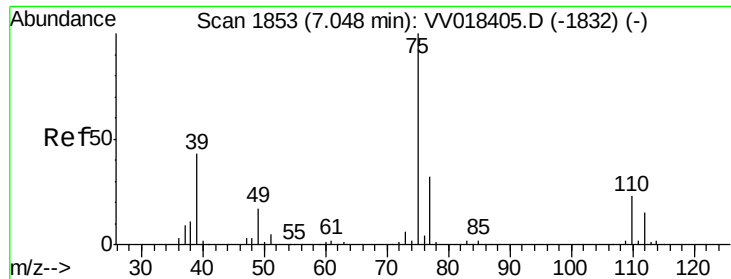
MMDadoda
 10/5/2020 1:22:43 PM



#38
 Bromodichloromethane
 Concen: 2.009 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Tgt Ion: 83 Resp: 6043
 Ion Ratio Lower Upper
 83 100
 85 60.4 45.1 83.9
 127 9.7 6.8 10.2





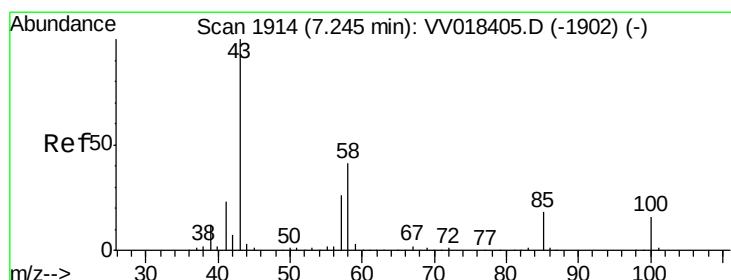
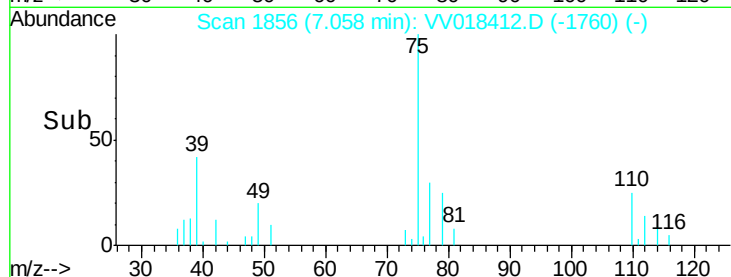
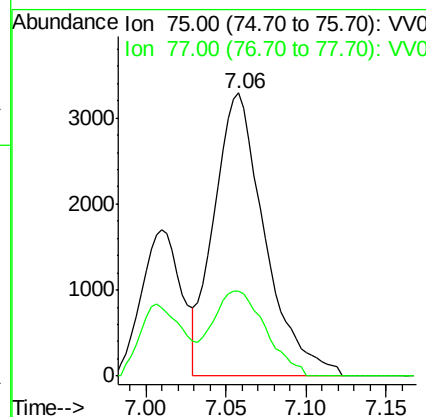
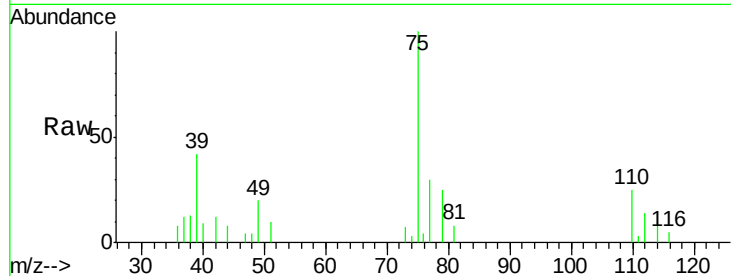
#39
 cis-1,3-Dichloropropene
 Concen: 2.091 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 7208
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.7 42.1

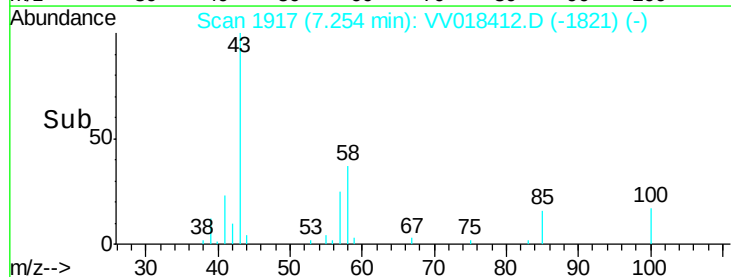
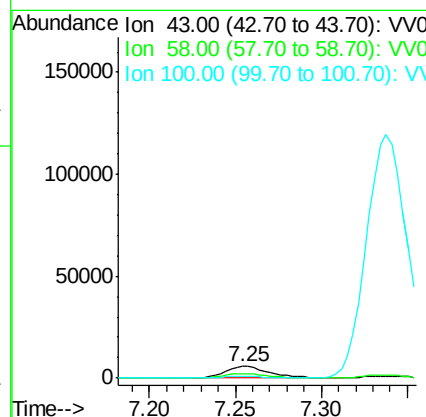
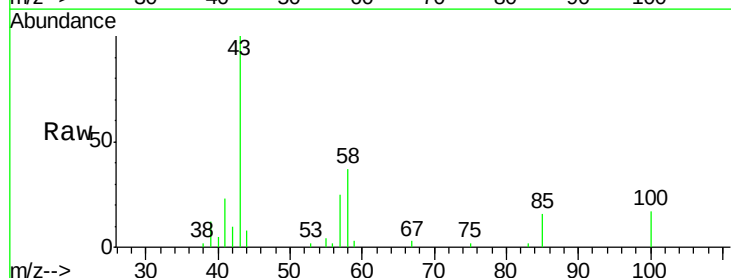
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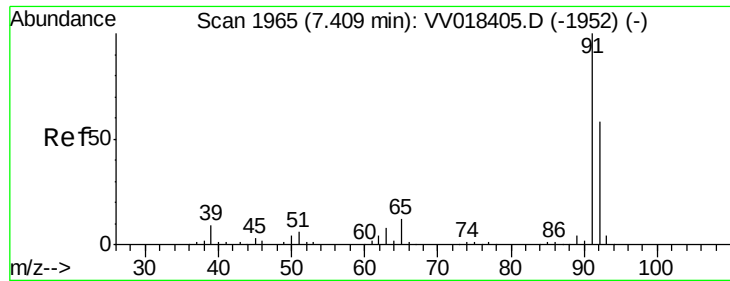
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 3.858 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Tgt Ion: 43 Resp: 10521
 Ion Ratio Lower Upper
 43 100
 58 37.1 32.4 48.6
 100 15.3 13.0 19.4





#42

Toluene

Concen: 2.136 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 91 Resp: 19477

Ion Ratio Lower Upper

91 100

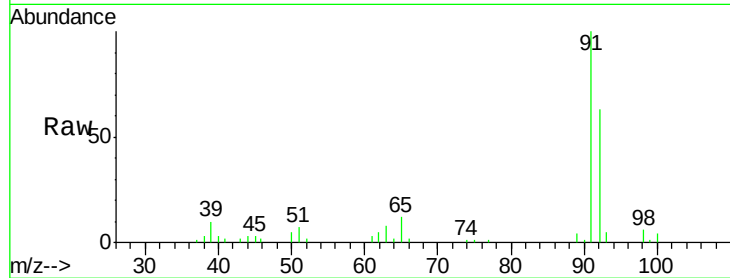
92 63.5 40.7 75.7

Manual Integrations

APPROVED

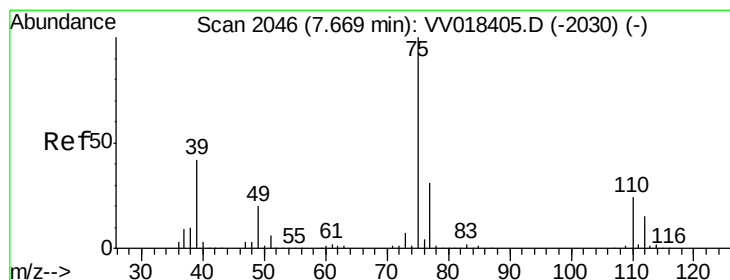
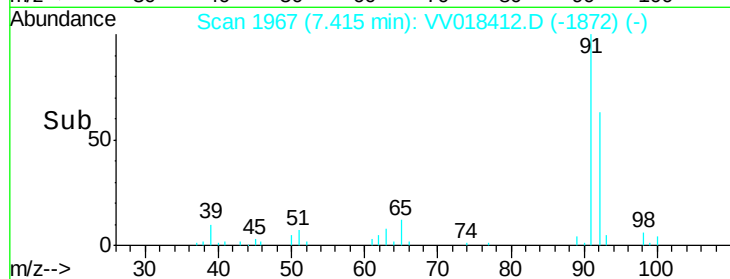
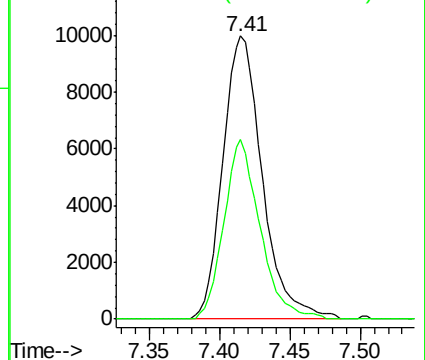
MMDadoda

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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: 2.013 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV018412.D

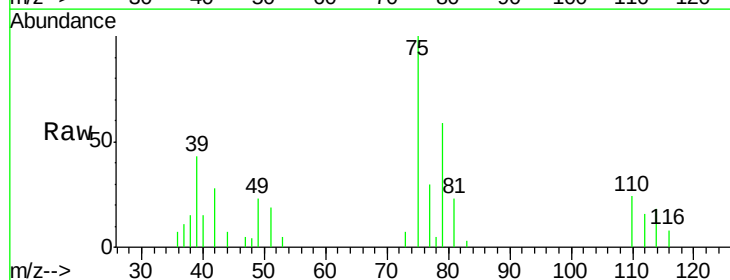
Acq: 23 Sep 2020 14:27

Tgt Ion: 75 Resp: 6880

Ion Ratio Lower Upper

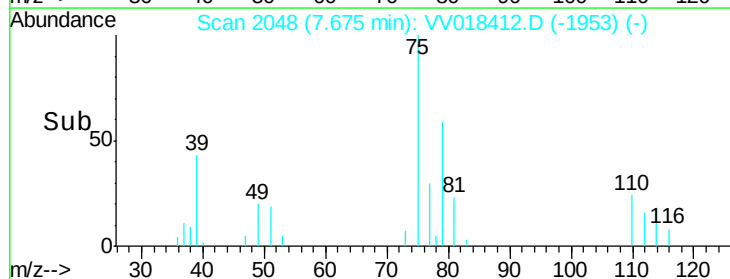
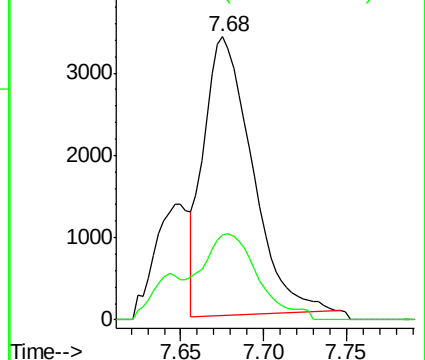
75 100

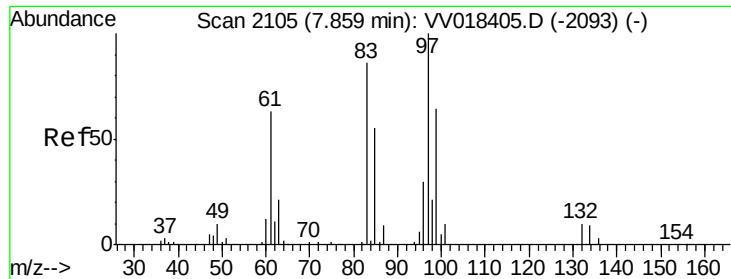
77 29.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





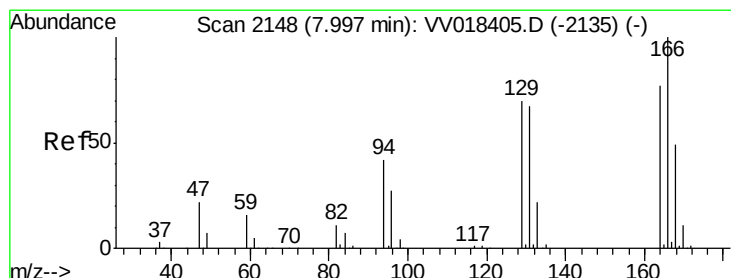
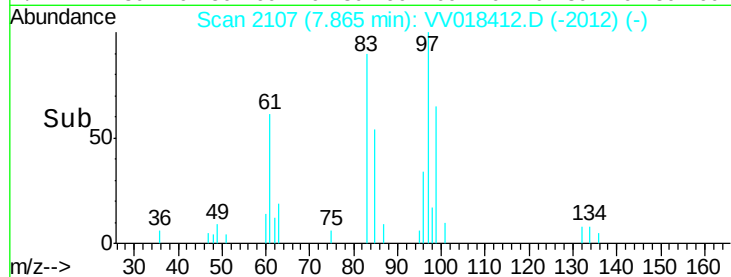
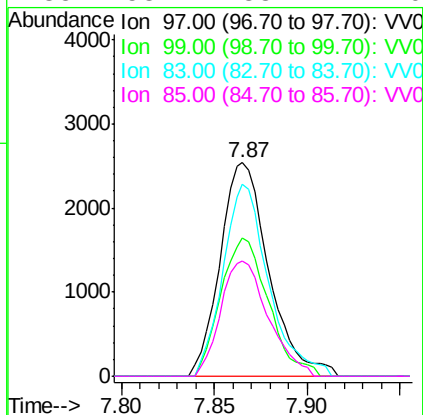
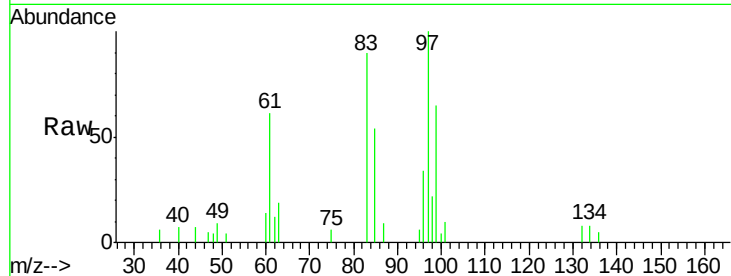
#45
 1,1,2-Trichloroethane
 Concen: 2.140 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:	97	Resp:	4632
Ion	Ratio	Lower	Upper
97	100		
99	64.6	44.6	82.8
83	89.8	60.5	112.5
85	53.7	38.2	71.0

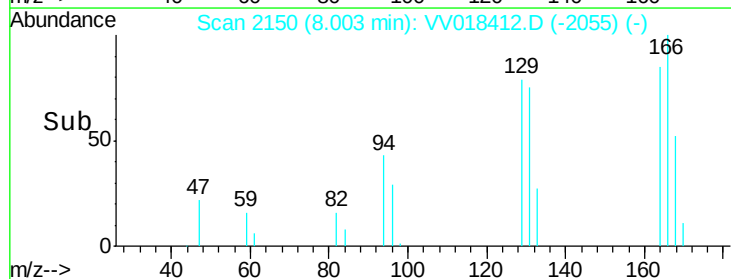
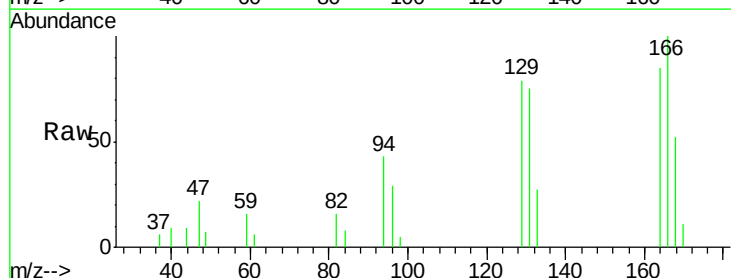
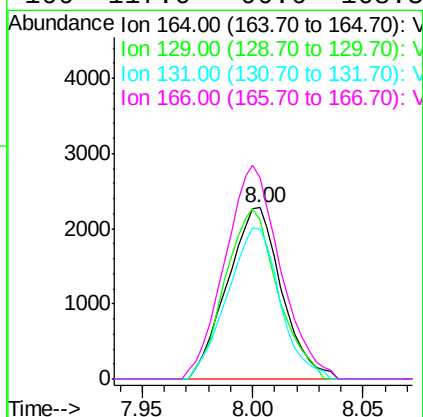
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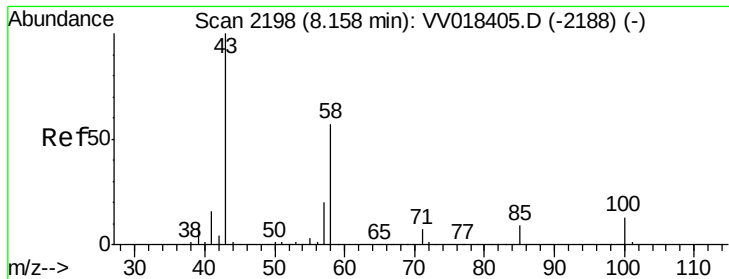
MMDadoda
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#46
 Tetrachloroethene
 Concen: 2.086 ug/L
 RT: 8.00 min Scan# 2150
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Tgt Ion:	164	Resp:	3902
Ion	Ratio	Lower	Upper
164	100		
129	92.6	63.7	118.3
131	87.8	60.6	112.6
166	117.6	90.6	168.3





#48

2-Hexanone

Concen: 6.258 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018412.D

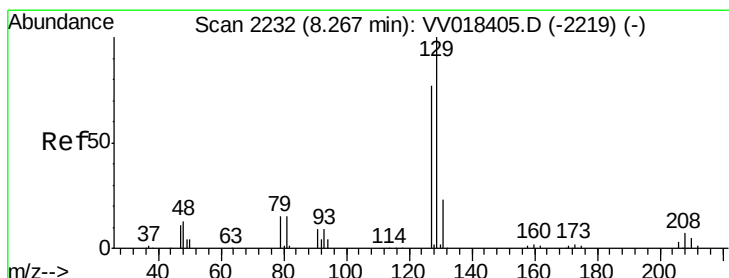
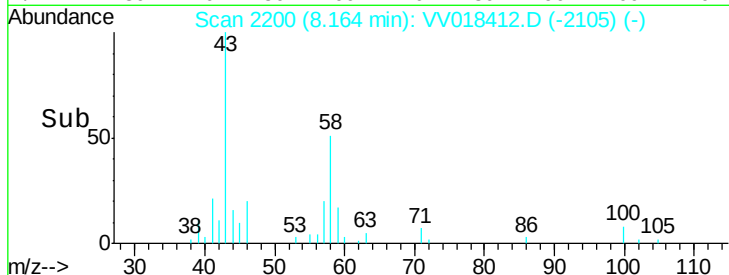
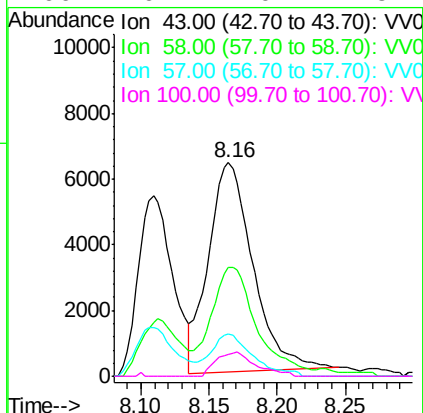
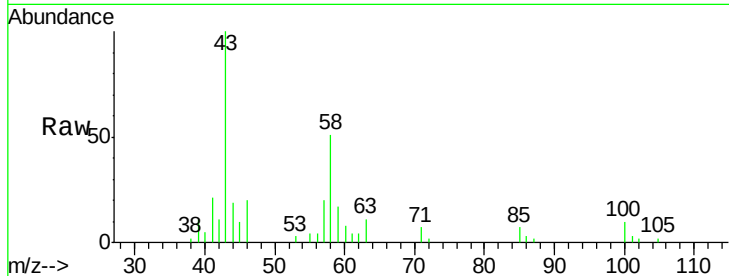
Acq: 23 Sep 2020 14:27

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	48.1	45.4	68.0	
57	18.9	16.0	24.0	
100	10.1	10.1	15.1	

Manual Integrations
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#49

Dibromochloromethane

Concen: 2.011 ug/L

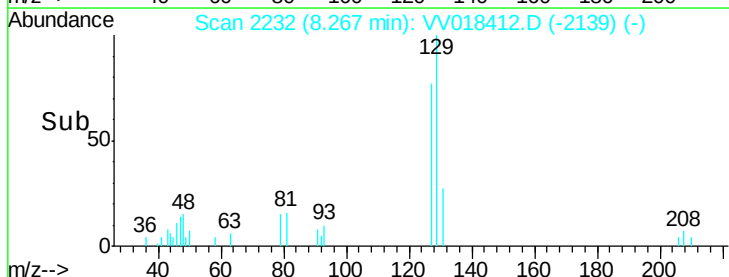
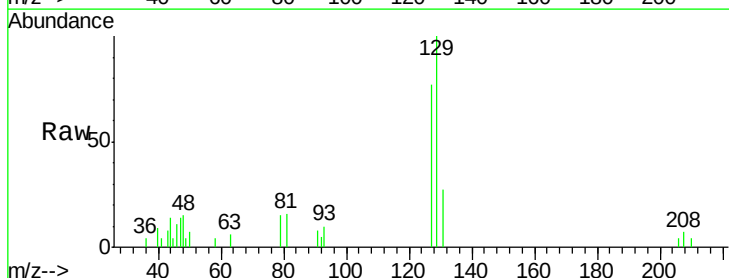
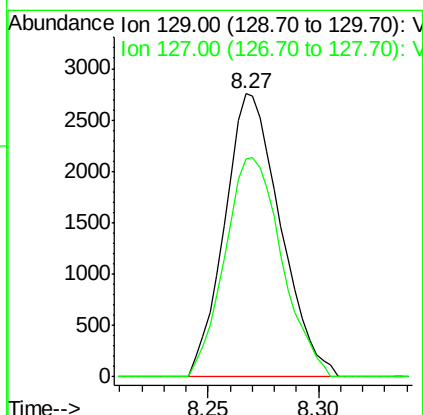
RT: 8.27 min Scan# 2232

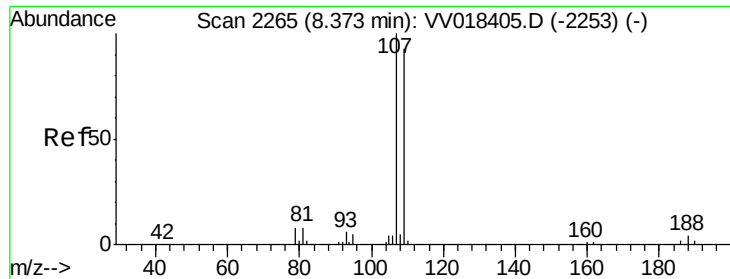
Delta R.T. -0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.0	53.5	99.5	





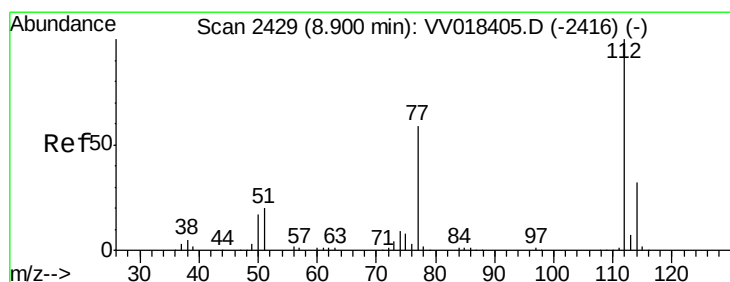
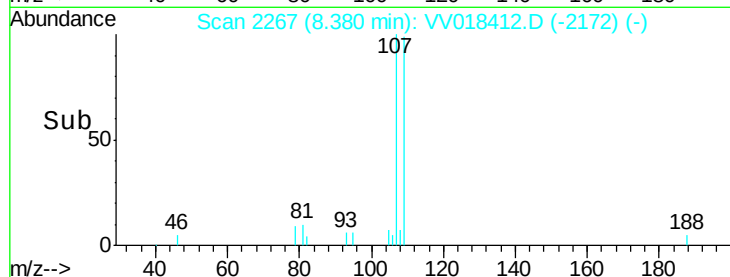
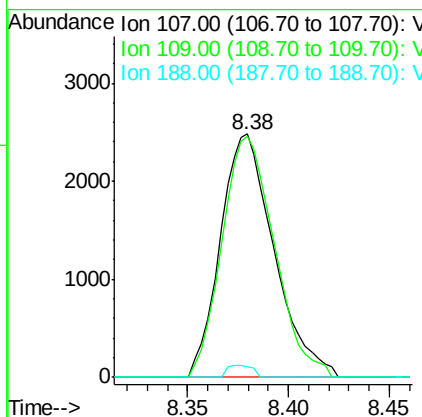
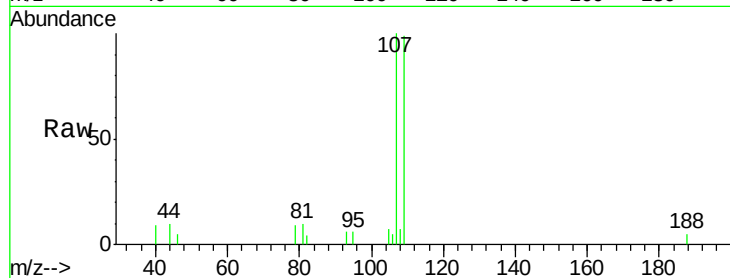
#50
1,2-Dibromoethane
Concen: 2.047 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.2	64.9	120.5
188	4.5	3.4	5.0

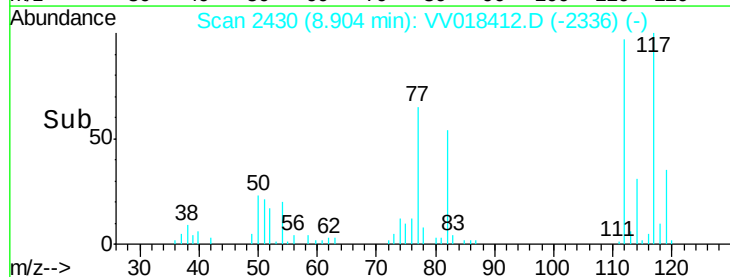
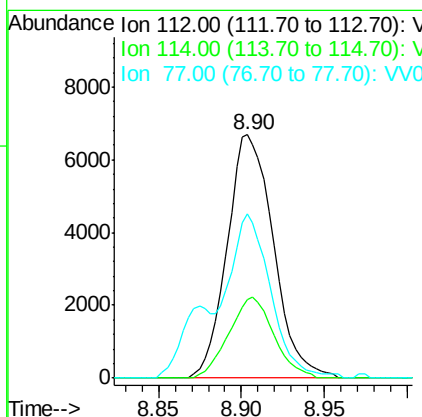
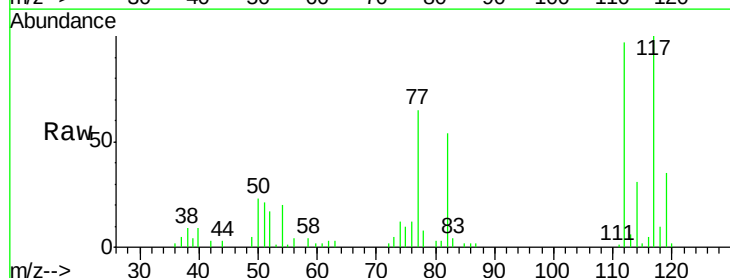
Manual Integrations
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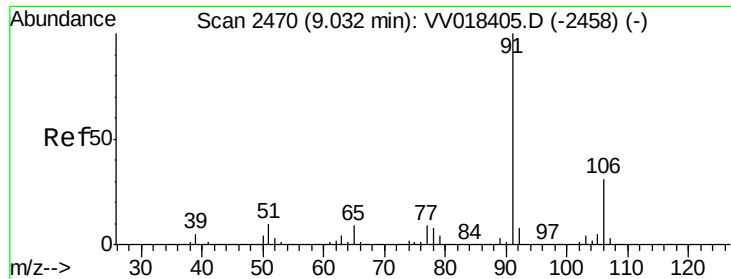
MMDadoda
10/5/2020 1:22:43 PM



#51
Chlorobenzene
Concen: 2.132 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	67.6	47.4	71.2





#52

Ethylbenzene

Concen: 1.953 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tot Ion: 91 Resp: 19593

Ion Ratio Lower Upper

91 100

106 29.1 21.4 39.8

Instrument :

MSVOA_V

ClientSampled :

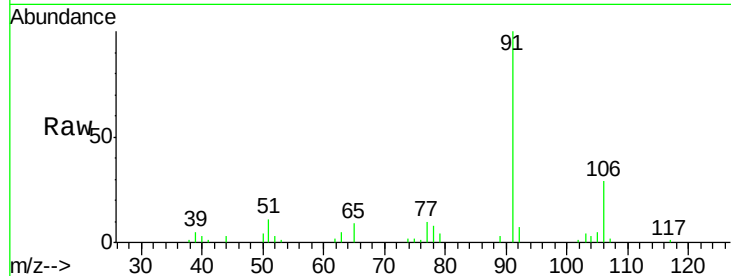
MDL01

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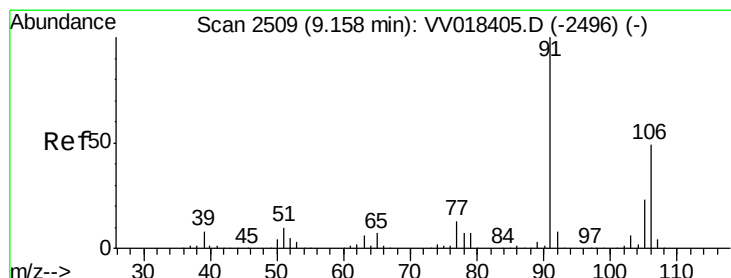
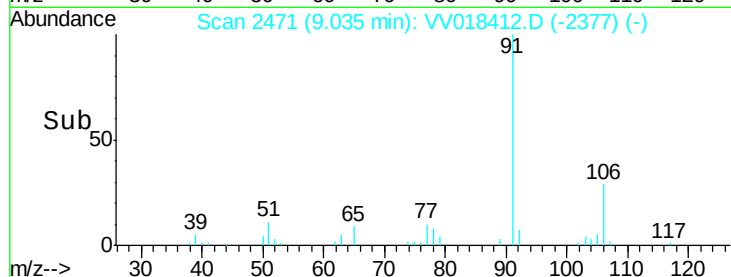
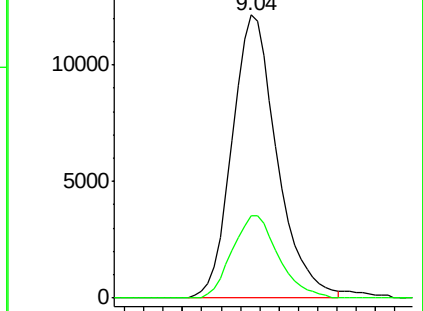
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VV018412.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018412.D (-2377) (-)



#53

m,p-Xylene

Concen: 1.814 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018412.D

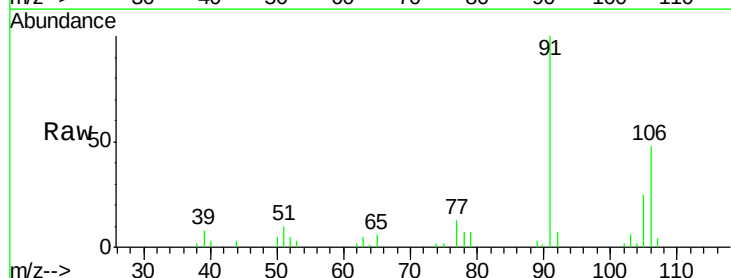
Acq: 23 Sep 2020 14:27

Tgt Ion: 106 Resp: 6798

Ion Ratio Lower Upper

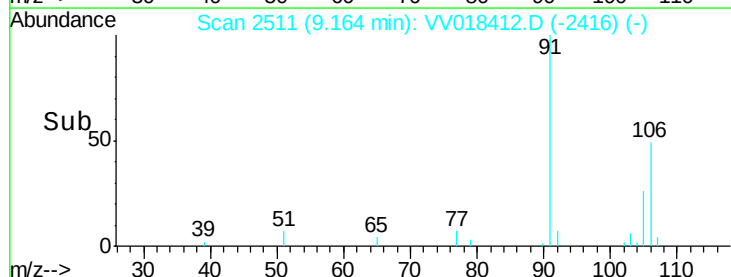
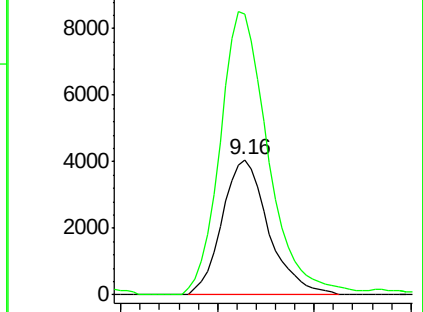
106 100

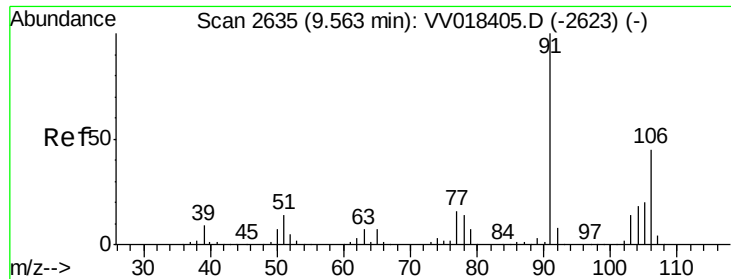
91 207.8 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): VV018412.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018412.D (-2416) (-)





#54

o-Xylene

Concen: 1.752 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tot Ion:106 Resp: 6325

Ion Ratio Lower Upper

106 100

91 220.6 154.7 287.3

Instrument :

MSVOA_V

ClientSampleId :

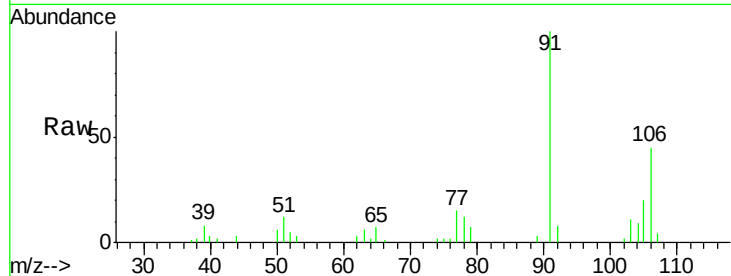
MDL01

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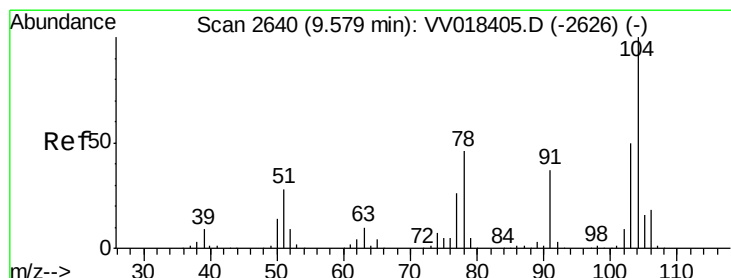
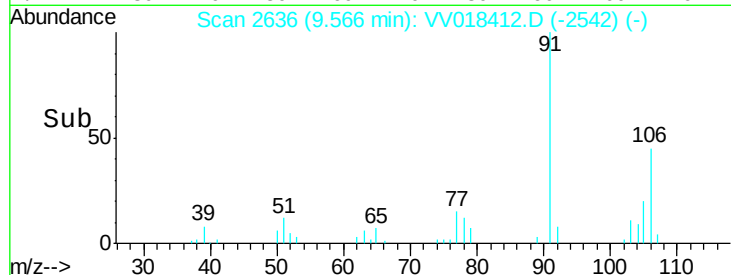
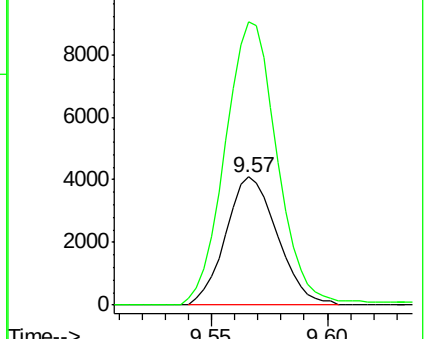
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.664 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV018412.D

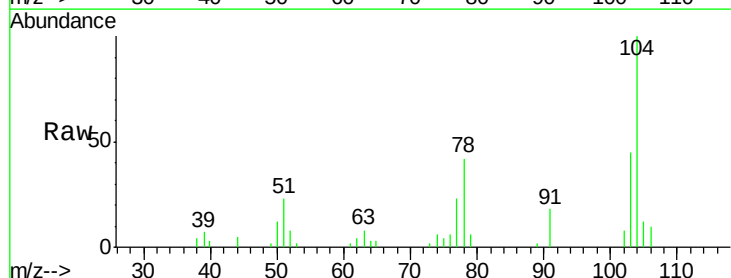
Acq: 23 Sep 2020 14:27

Tgt Ion:104 Resp: 10510

Ion Ratio Lower Upper

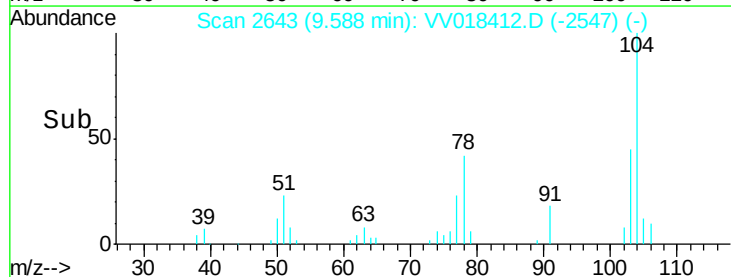
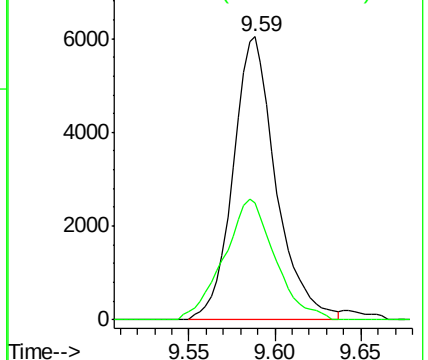
104 100

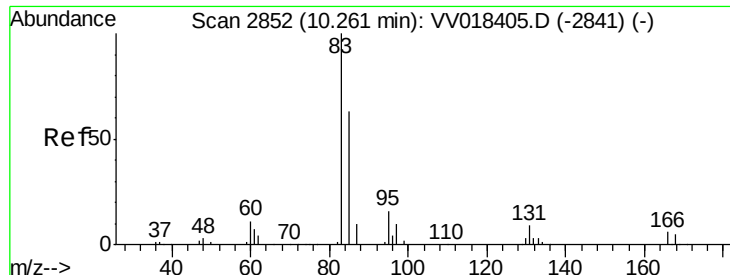
78 41.5 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 2.270 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Instrument :

MSVOA_V

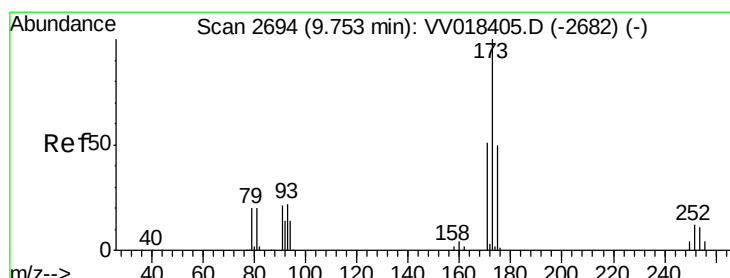
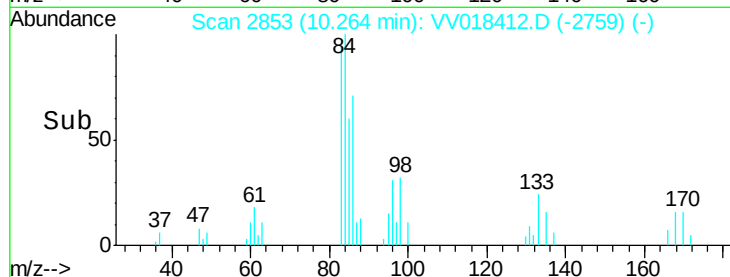
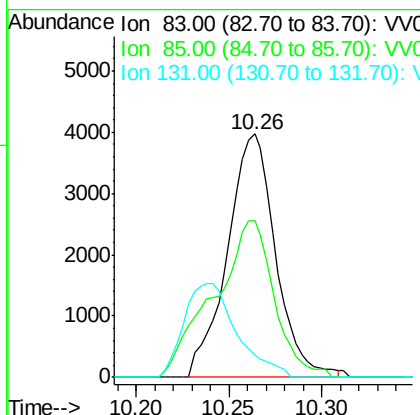
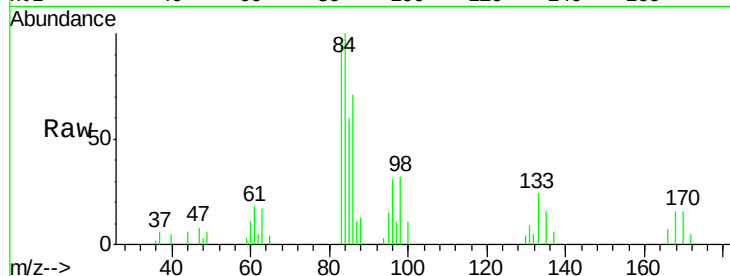
ClientSampled :

MDL01

Tot Ion:	83	Resp:	7161
Ion	Ratio	Lower	Upper
83	100		
85	64.1	44.4	82.5
131	9.2	7.8	11.6

Manual Integrations
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10/5/2020 1:22:43 PM



#59

Bromoform

Concen: 1.929 ug/L

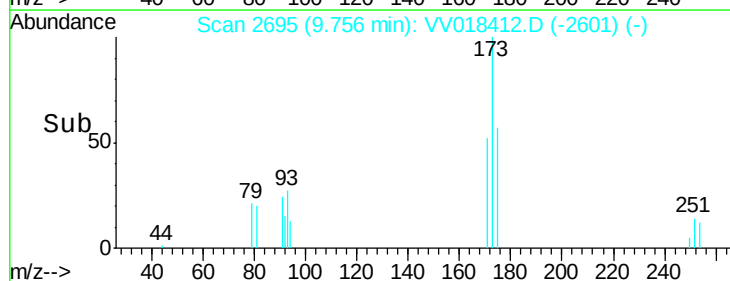
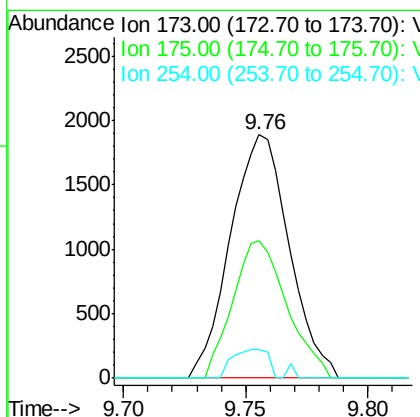
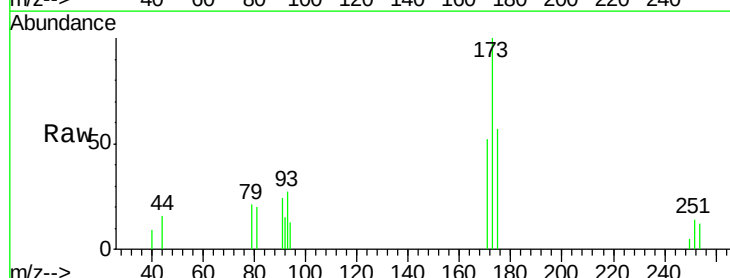
RT: 9.76 min Scan# 2695

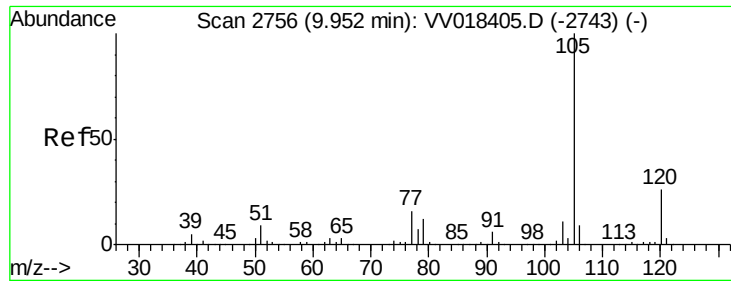
Delta R.T. 0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tgt Ion:	173	Resp:	3152
Ion	Ratio	Lower	Upper
173	100		
175	52.0	39.4	59.2
254	7.2	8.7	13.1#





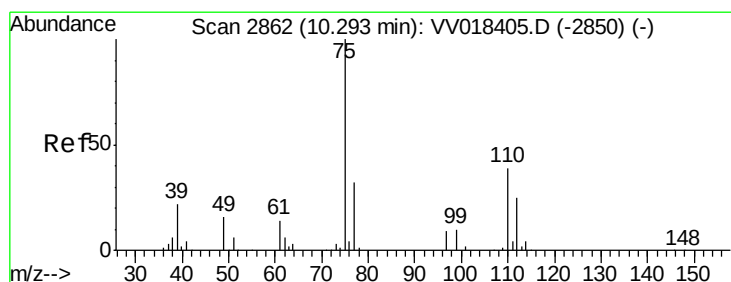
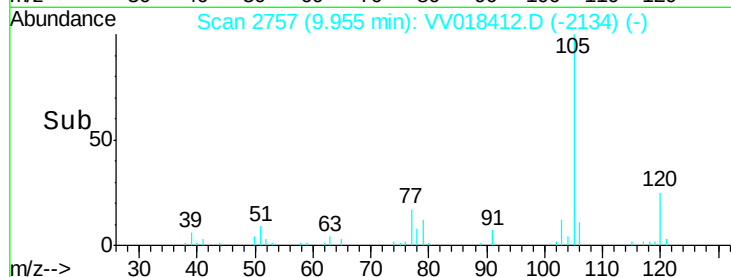
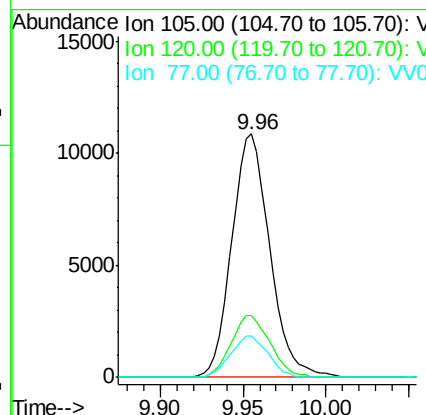
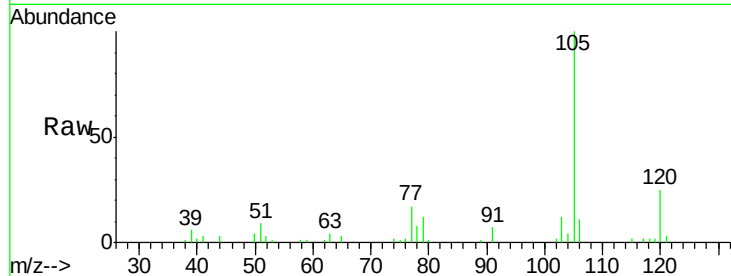
#60
Isopropylbenzene
Concen: 1.927 ug/L
RT: 9.96 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.8	31.2
77	16.6	12.8	19.2

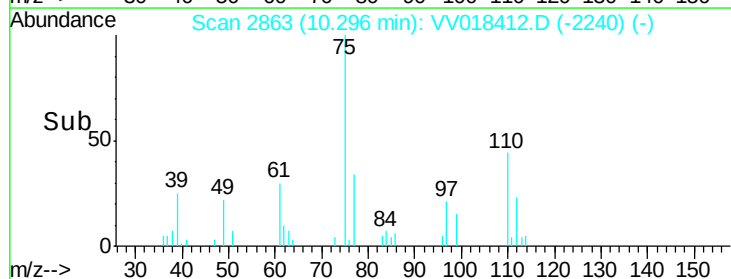
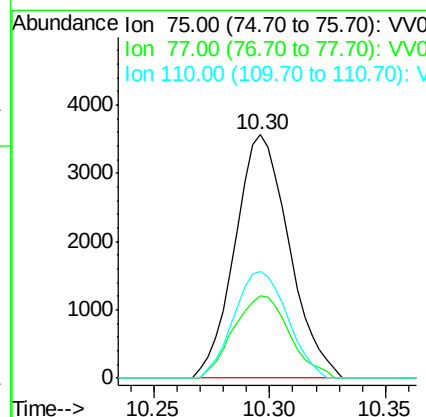
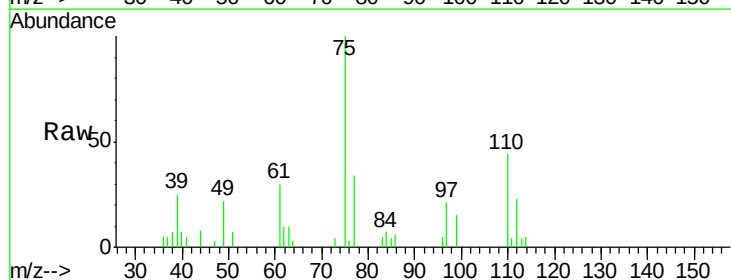
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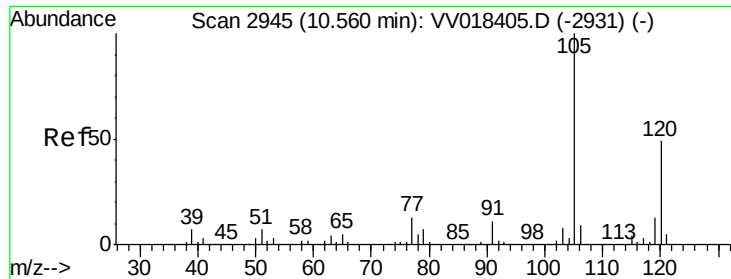
MMDadoda
10/5/2020 1:22:43 PM



#61
1,2,3-Trichloropropane
Concen: 2.279 ug/L
RT: 10.30 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.8	25.8	38.8
110	43.4	31.5	47.3





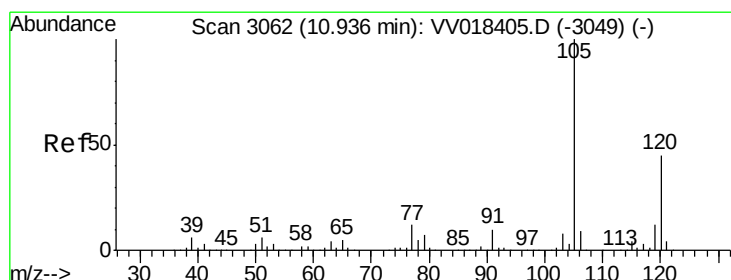
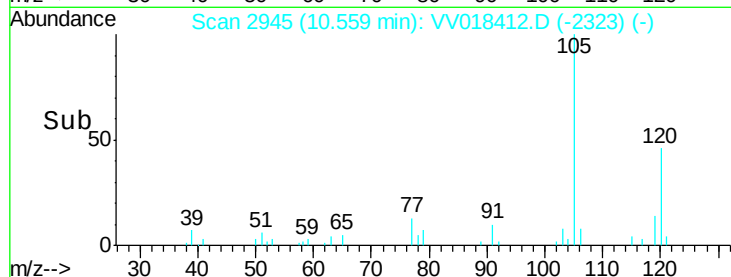
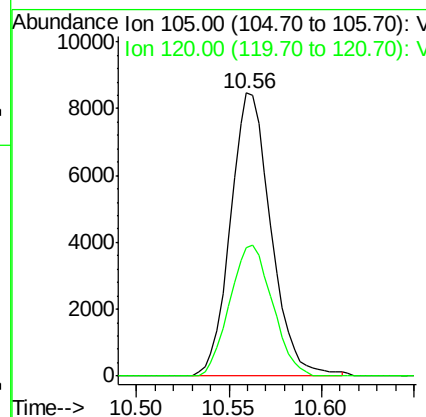
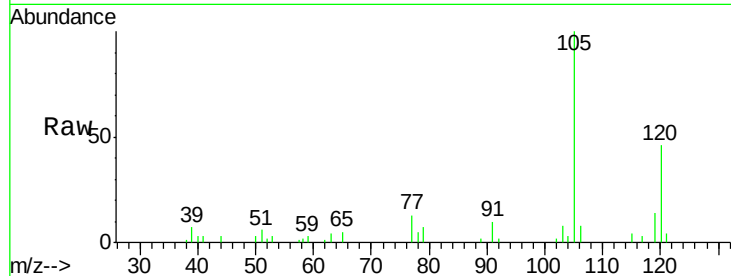
#62
 1,3,5-Trimethylbenzene
 Concen: 1.759 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion:105 Resp: 12825
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.1 58.7

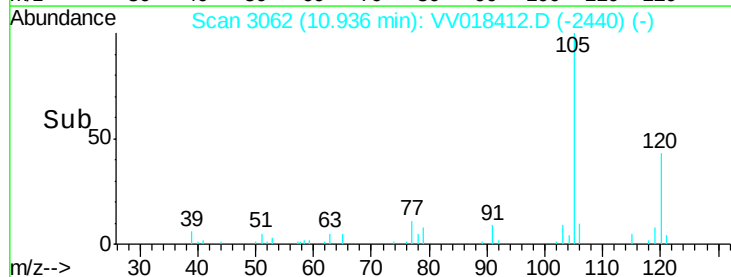
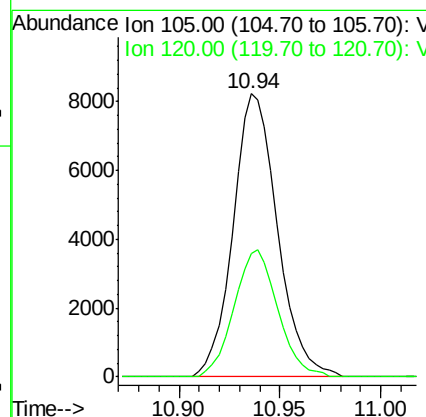
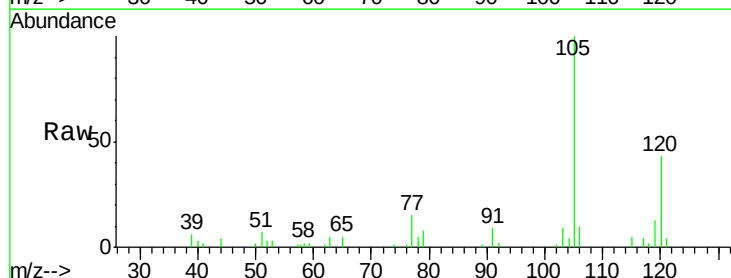
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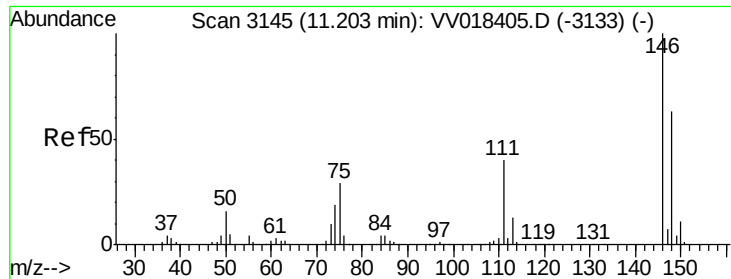
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.691 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Tgt Ion:105 Resp: 12663
 Ion Ratio Lower Upper
 105 100
 120 44.1 36.2 54.2





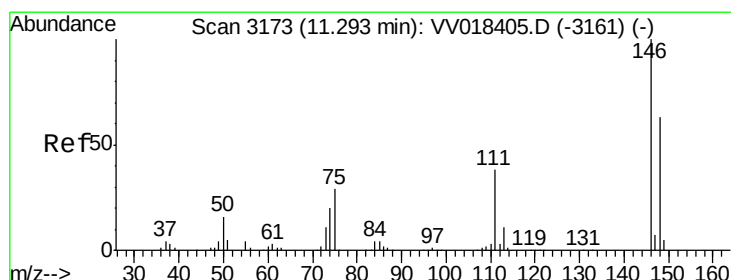
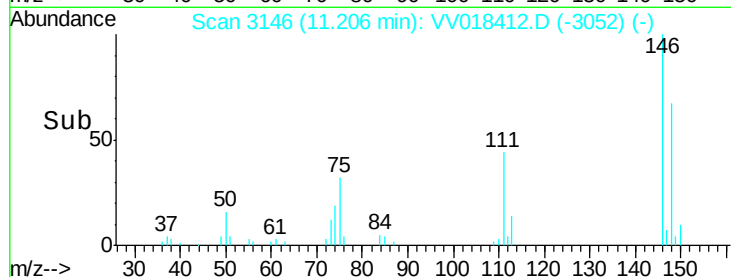
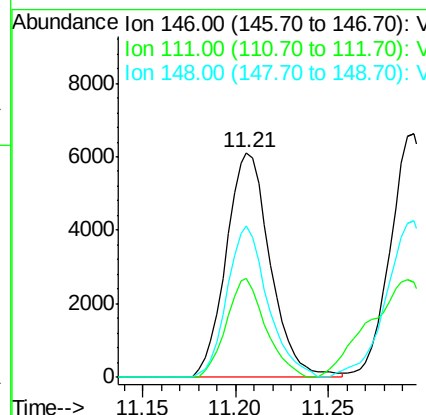
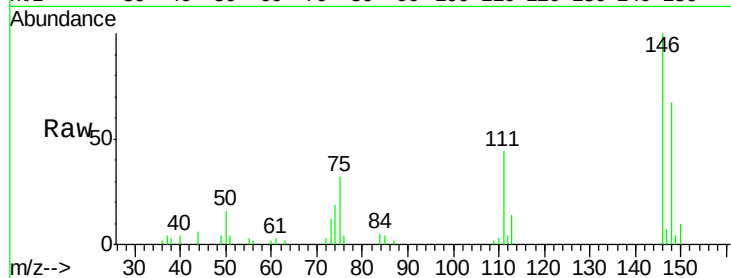
#64
 1,3-Dichlorobenzene
 Concen: 2.198 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	27.6	51.4
148	67.2	44.2	82.2

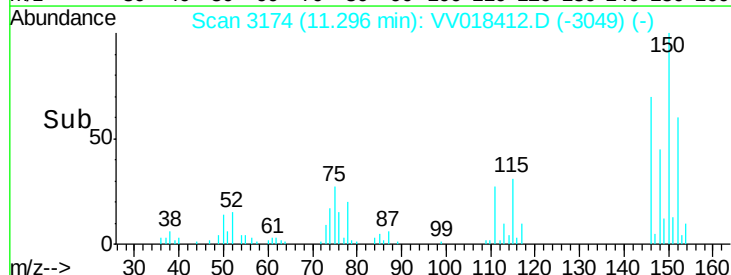
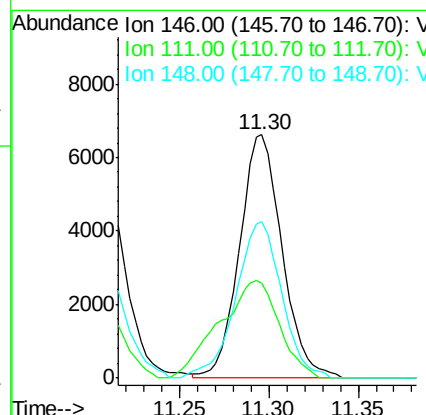
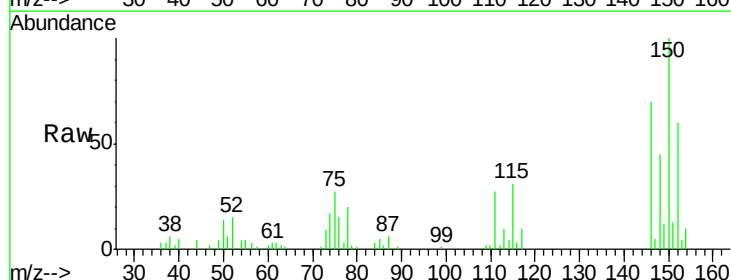
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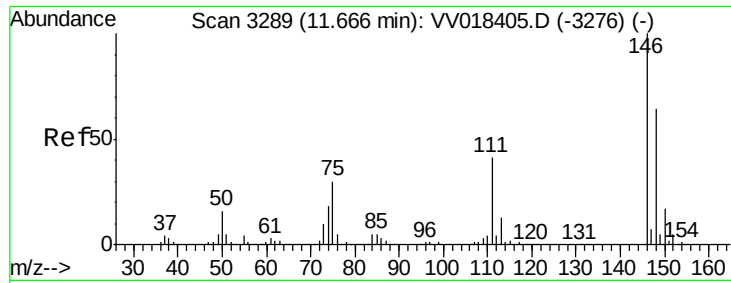
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 10/5/2020 1:22:43 PM



#65
 1,4-Dichlorobenzene
 Concen: 2.292 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.6	49.4
148	64.0	44.3	82.3





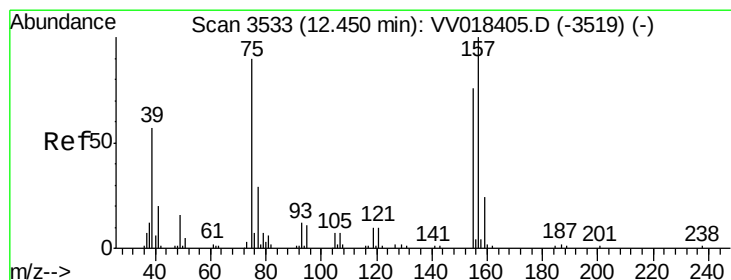
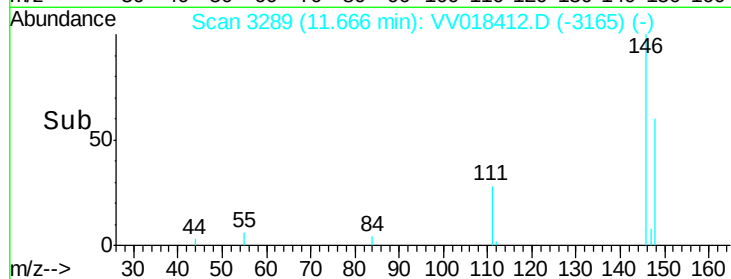
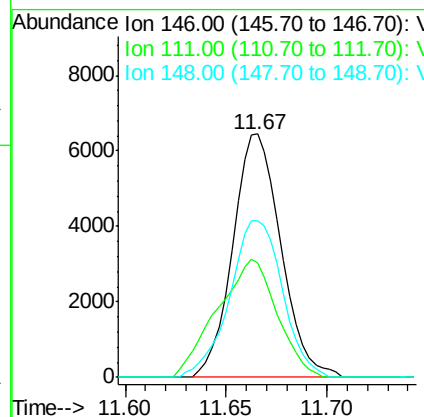
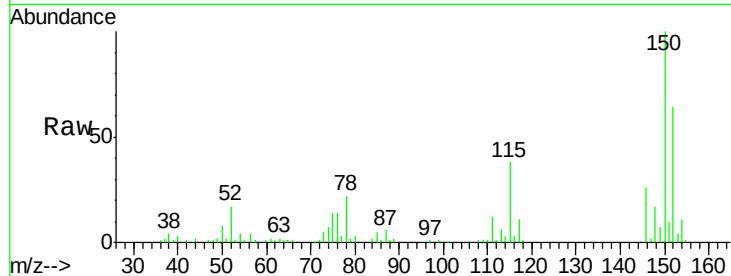
#67
 1,2-Dichlorobenzene
 Concen: 2.342 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	32.6	49.0
148	64.4	51.0	76.6

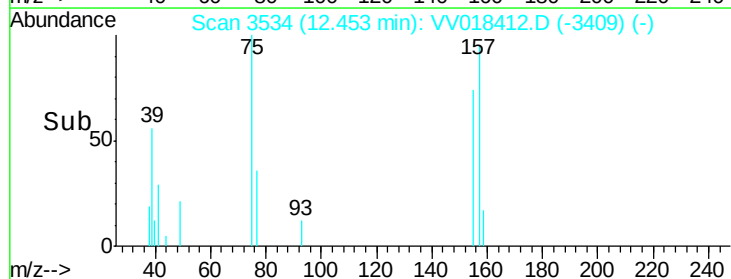
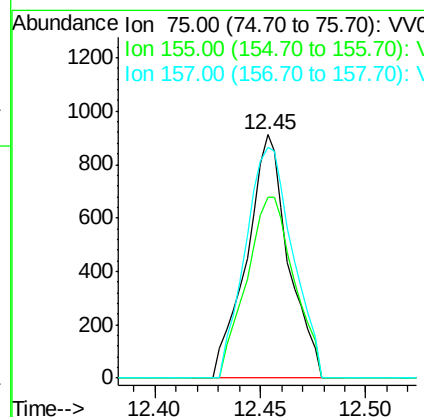
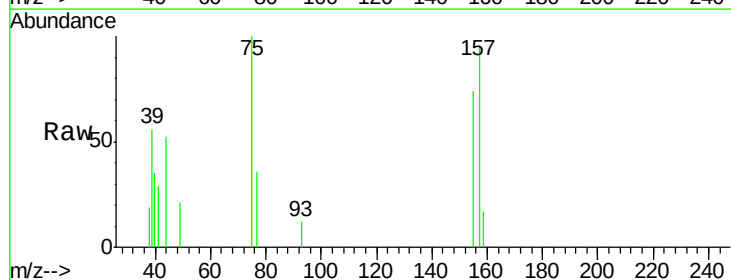
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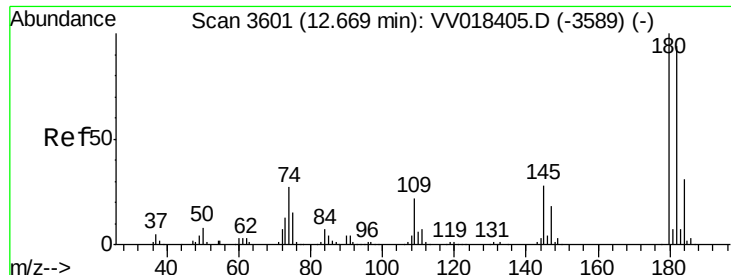
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 10/5/2020 1:22:43 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.954 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	67.6	101.4
157	94.7	88.7	133.1





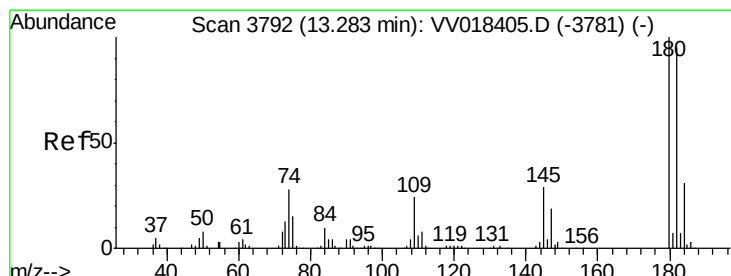
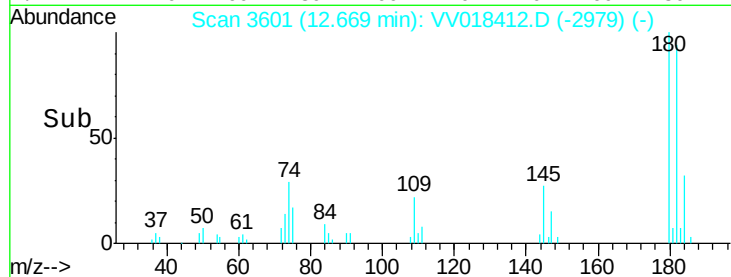
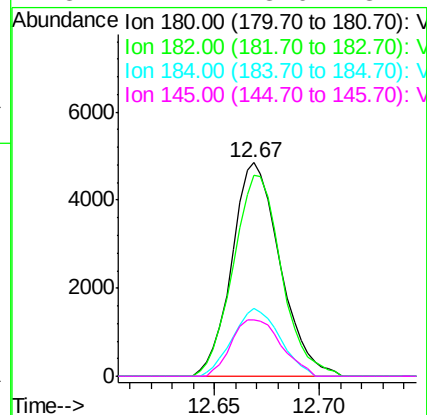
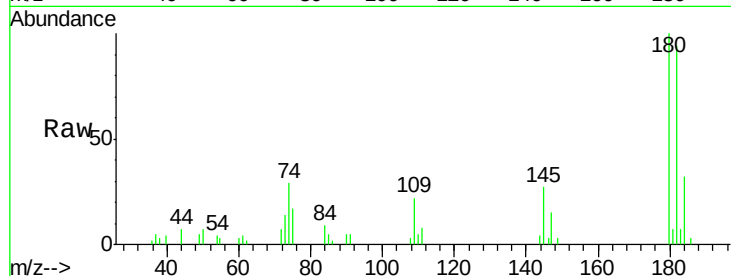
#69
 1,3,5-Trichlorobenzene
 Concen: 2.152 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:	180	Resp:	7684
Ion Ratio	Lower	Upper	
180	100		
182	94.6	76.6	115.0
184	31.2	24.8	37.2
145	27.4	23.0	34.4

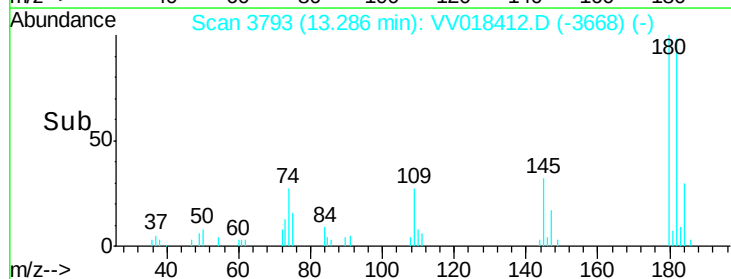
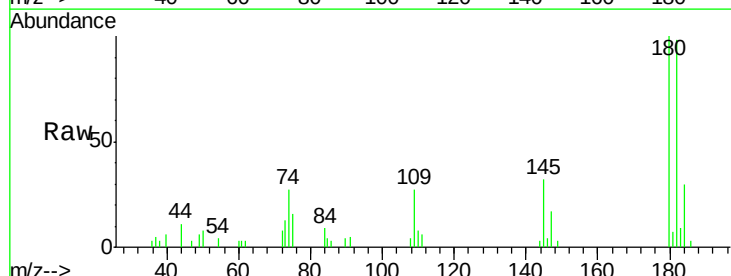
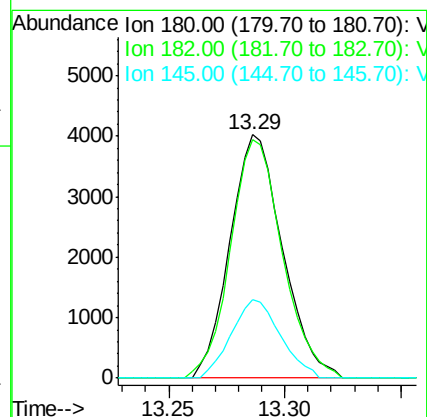
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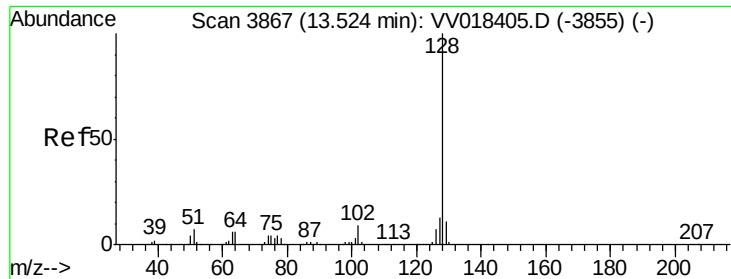
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 10/5/2020 1:22:43 PM



#70
 1,2,4-trichlorobenzene
 Concen: 1.974 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

Tgt Ion:	180	Resp:	6313
Ion Ratio	Lower	Upper	
180	100		
182	96.9	75.8	113.6
145	30.2	23.0	34.4





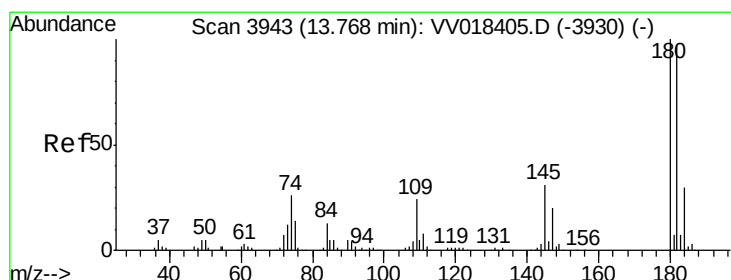
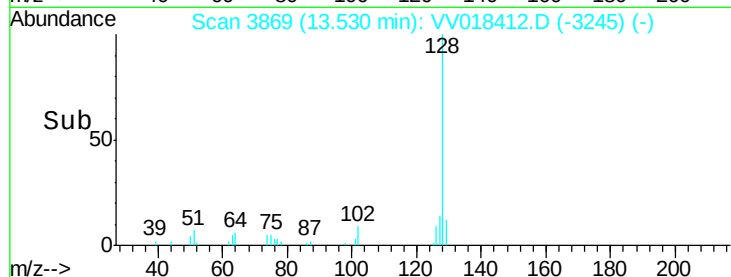
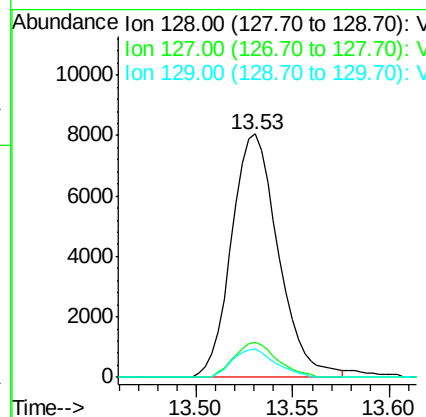
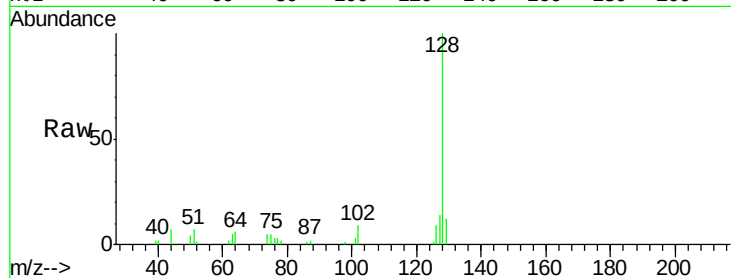
#71
Naphthalene
Concen: 1.632 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
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10/5/2020 1:22:43 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.914 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.1	115.7
145	31.7	25.0	37.6

