

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019156.D
 Acq On : 29 Oct 2020 19:37
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 2:27:02 PM

Quant Time: Nov 01 15:00:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	224711	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	216516	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111525	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88214	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.80%
7) Chloroethane-d5	1.58	69	69393	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.04%
11) 1,1-Dichloroethene-d2	2.12	63	131120	38.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.20%
21) 2-Butanone-d5	3.91	46	117031	107.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.00%
24) Chloroform-d	4.38	84	167137	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
26) 1,2-Dichloroethane-d4	5.05	65	122935	53.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.22%
32) Benzene-d6	5.07	84	320317	52.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.30%
36) 1,2-Dichloropropane-d6	6.09	67	99086	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.22%
41) Toluene-d8	7.33	98	291120	49.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.68%
43) trans-1,3-Dichloropropene-	7.64	79	53684	50.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.32%
47) 2-Hexanone-d5	8.11	63	85123	107.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.33%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	127935	51.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	123595	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3859	1.956 ug/L	99
3) Chloromethane	1.25	50	3859	2.154 ug/L	98
5) Vinyl chloride	1.32	62	4425	2.412 ug/L #	63
6) Bromomethane	1.53	94	2802	2.280 ug/L	99
8) Chloroethane	1.60	64	2773	2.431 ug/L	100
9) Trichlorofluoromethane	1.77	101	5863	1.918 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4309	2.929 ug/L #	75
12) 1,1-Dichloroethene	2.13	96	3979	2.761 ug/L #	1
13) Acetone	2.20	43	4395	4.325 ug/L	72
14) Carbon disulfide	2.31	76	10296	2.248 ug/L #	93
15) Methyl Acetate	2.46	43	3703	2.261 ug/L #	89
16) Methylene chloride	2.53	84	3967	2.424 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	3256	2.104 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	10559	2.037 ug/L	98
19) 1,1-Dichloroethane	3.22	63	5966	2.069 ug/L	91
20) cis-1,2-Dichloroethene	3.94	96	3388	1.995 ug/L	92
22) 2-Butanone	4.02	43	4444m	4.015 ug/L	

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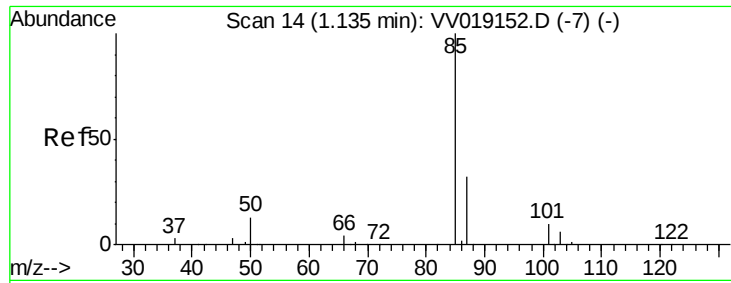
Manual Integrations
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	1943	2.132	uq/L	90
25) Chloroform	4.41	83	8251	2.648	uq/L	96
27) 1,2-Dichloroethane	5.17	62	5919	2.231	uq/L #	90
29) Cyclohexane	4.70	56	4408	1.824	uq/L #	90
30) 1,1,1-Trichloroethane	4.64	97	5902	2.012	uq/L	97
31) Carbon tetrachloride	4.86	117	5108	1.963	uq/L	97
33) Benzene	5.13	78	13375	2.143	uq/L	100
34) Trichloroethene	5.95	95	3582	2.095	uq/L	89
35) Methylcyclohexane	6.16	83	4774m	2.068	uq/L	
37) 1,2-Dichloropropane	6.20	63	3506	2.261	uq/L #	89
38) Bromodichloromethane	6.54	83	4775	2.070	uq/L #	93
39) cis-1,3-Dichloropropene	7.05	75	5578	2.178	uq/L	96
40) 4-Methyl-2-pentanone	7.25	43	8594	4.018	uq/L	98
42) Toluene	7.41	91	18577	2.715	uq/L	92
44) trans-1,3-Dichloropropene	7.68	75	5533	2.077	uq/L	85
45) 1,1,2-Trichloroethane	7.87	97	3176	2.043	uq/L	91
46) Tetrachloroethene	8.00	164	3113	2.132	uq/L	95
48) 2-Hexanone	8.16	43	7908	4.652	uq/L #	91
49) Dibromochloromethane	8.27	129	3843	2.041	uq/L	88
50) 1,2-Dibromoethane	8.38	107	3203	1.931	uq/L #	90
51) Chlorobenzene	8.90	112	9386	2.092	uq/L	99
52) Ethylbenzene	9.04	91	14335	1.901	uq/L	98
53) m,p-Xylene	9.16	106	5449	1.913	uq/L	98
54) o-xylene	9.57	106	4928	1.802	uq/L	95
55) Styrene	9.59	104	8194	1.691	uq/L	98
56) Isopropylbenzene	9.96	105	12554	1.708	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	5463	2.307	uq/L	96
59) 1,2,3-Trichloropropane	10.30	75	4547	2.244	uq/L	96
61) Bromoform	9.75	173	3005	2.184	uq/L #	93
62) 1,3-Dichlorobenzene	11.21	146	7215	2.051	uq/L	98
63) 1,4-Dichlorobenzene	11.30	146	8254	2.258	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	7842	2.250	uq/L	96
66) 1,2-Dibromo-3-chloropropan	12.46	75	1093	1.833	uq/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	5627	2.173	uq/L	97
68) 1,2,4-trichlorobenzene	13.29	180	4878	2.011	uq/L	98
69) Naphthalene	13.53	128	11345	1.669	uq/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	4442	1.871	uq/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.956 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 3859

Ion Ratio Lower Upper

85 100

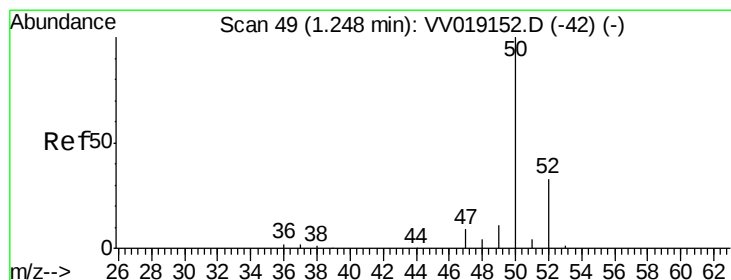
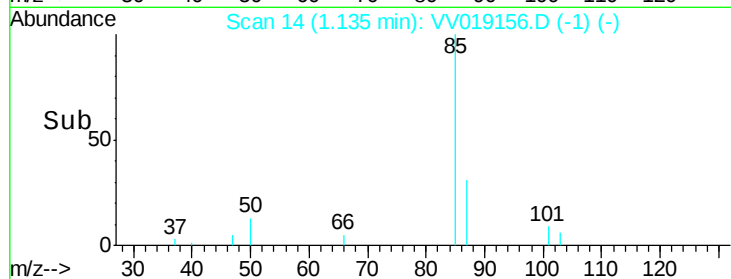
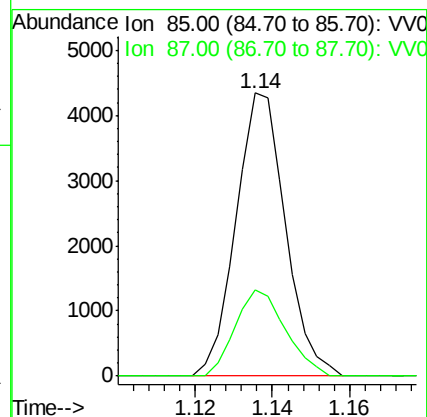
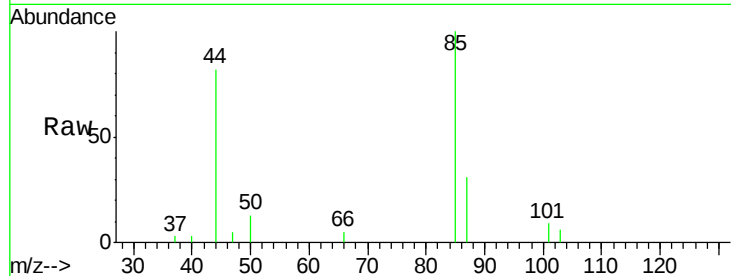
87 31.0 25.3 37.9

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#3

Chloromethane

Concen: 2.154 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019156.D

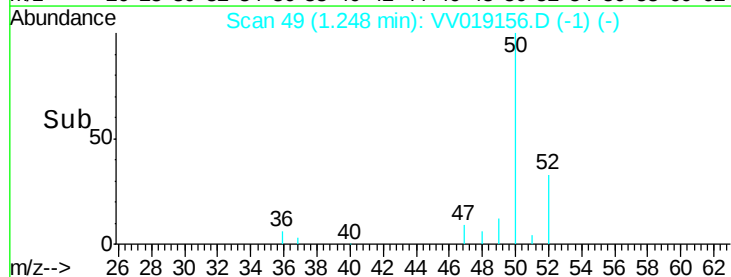
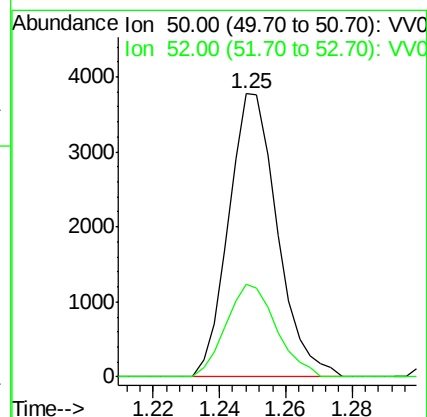
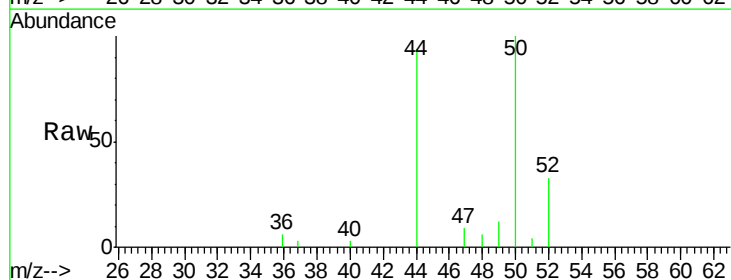
Acq: 29 Oct 2020 19:37

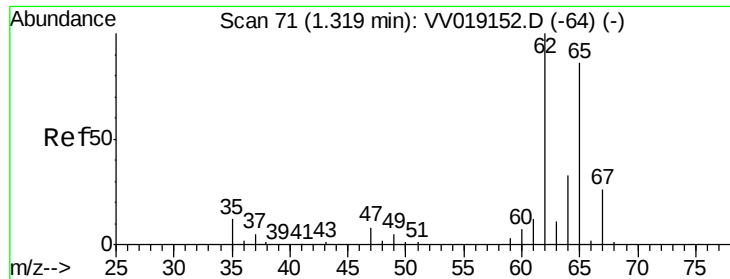
Tgt Ion: 50 Resp: 3859

Ion Ratio Lower Upper

50 100

52 32.7 22.1 41.1





#5

Vinyl chloride

Concen: 2.412 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 62 Resp: 4425

Ion Ratio Lower Upper

62 100

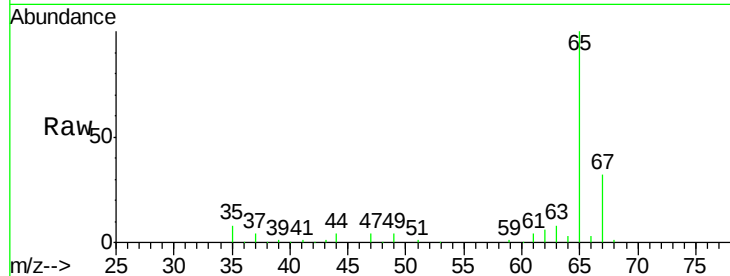
64 53.3 22.7 42.3#

Manual Integrations

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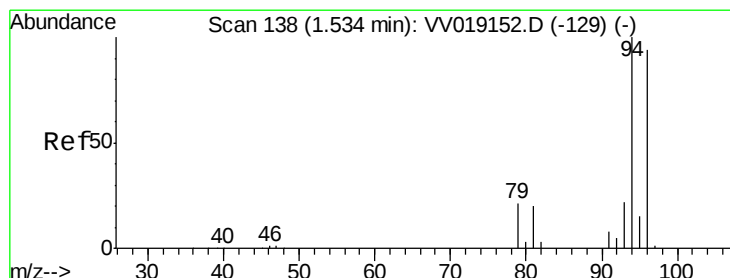
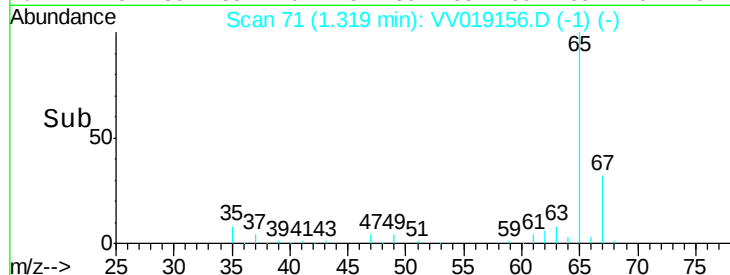
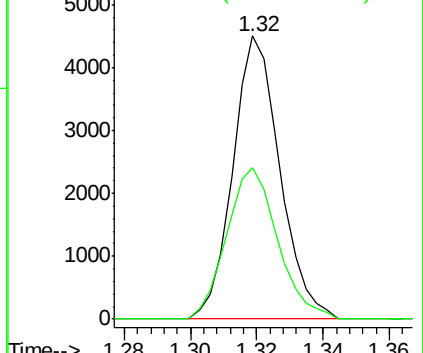
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.280 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019156.D

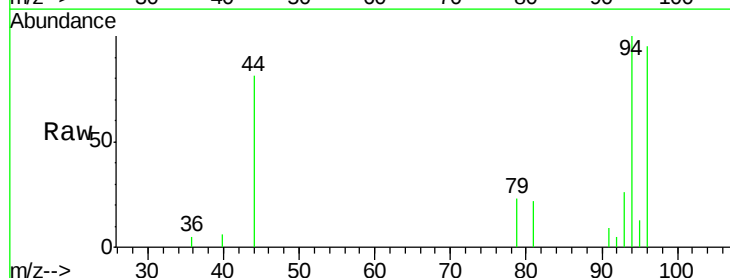
Acq: 29 Oct 2020 19:37

Tgt Ion: 94 Resp: 2802

Ion Ratio Lower Upper

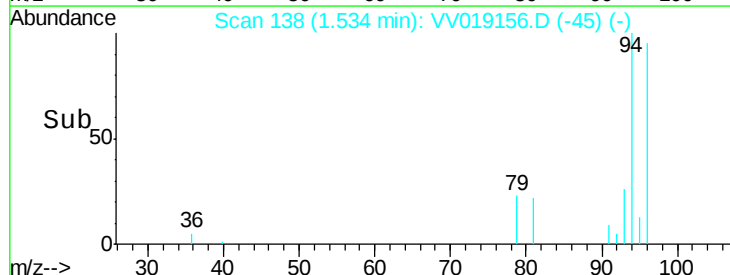
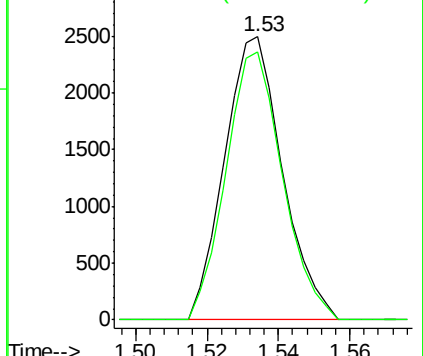
94 100

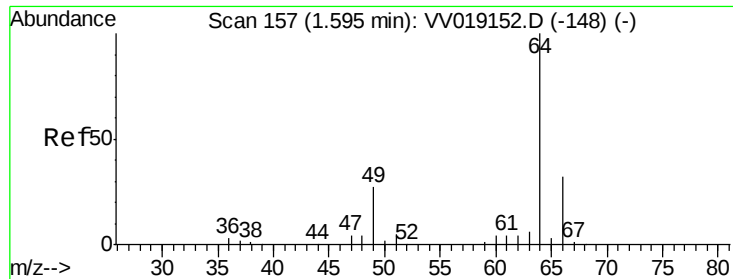
96 94.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.431 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 64 Resp: 2773

Ion Ratio Lower Upper

64 100

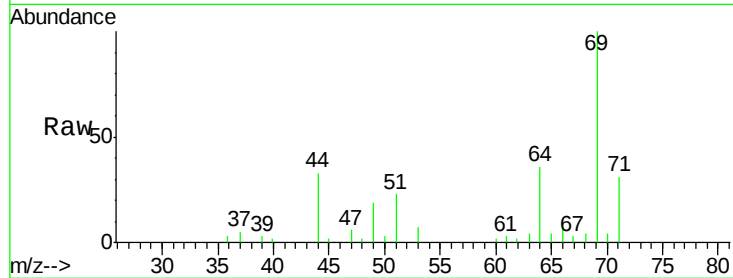
66 31.2 22.0 40.8

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VV019152.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019156.D (-33) (-)

1.60

2500

2000

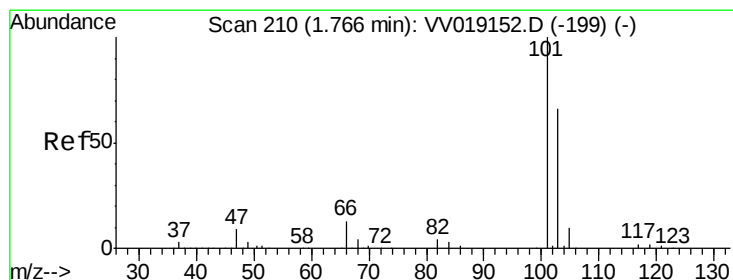
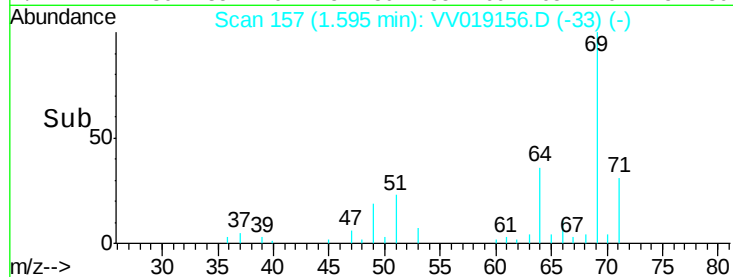
1500

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 1.918 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019156.D

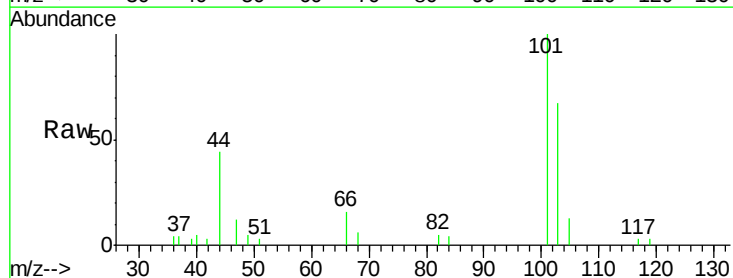
Acq: 29 Oct 2020 19:37

Tgt Ion: 101 Resp: 5863

Ion Ratio Lower Upper

101 100

103 64.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019152.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019156.D (-86) (-)

1.77

5000

4000

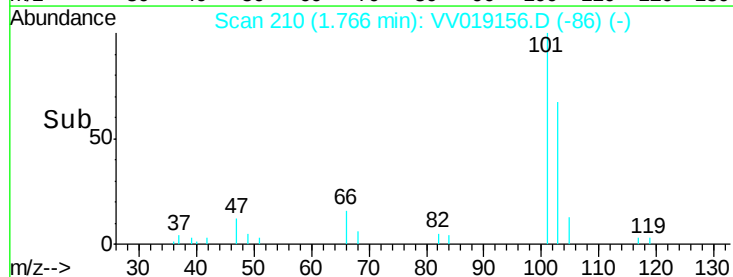
3000

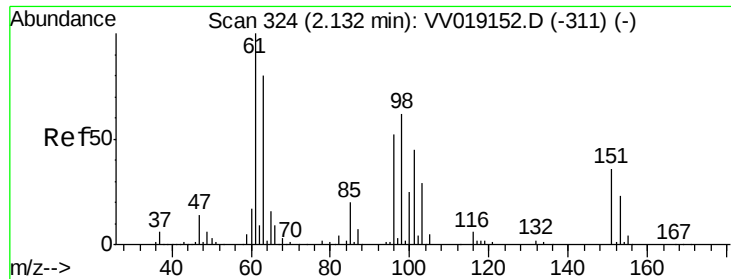
2000

1000

0

Time-->





#10

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

Concen: 2.929 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

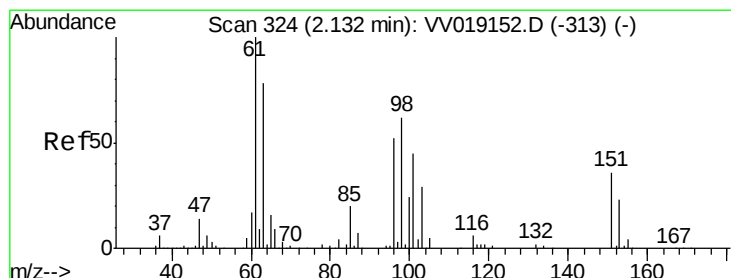
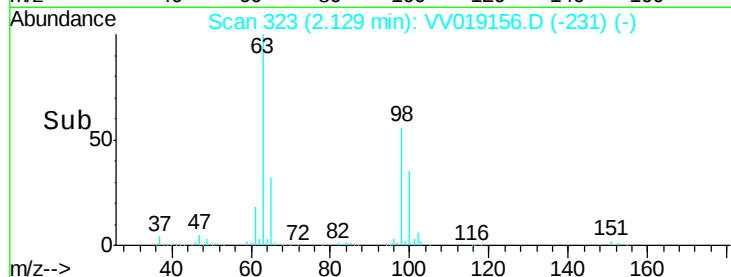
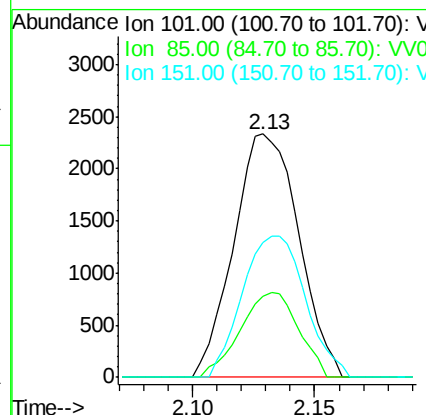
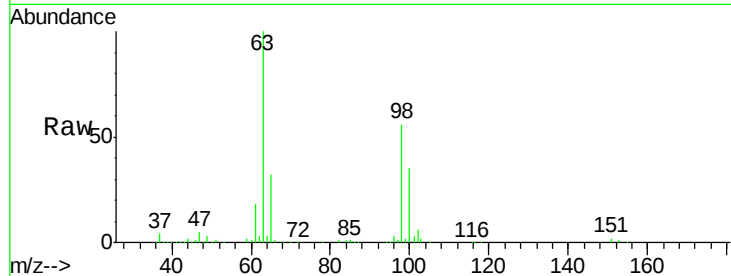
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	4309
Ion Ratio	Lower	Upper	
101	100		
85	31.1	36.1	54.1#
151	56.5	65.0	97.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.761 ug/L

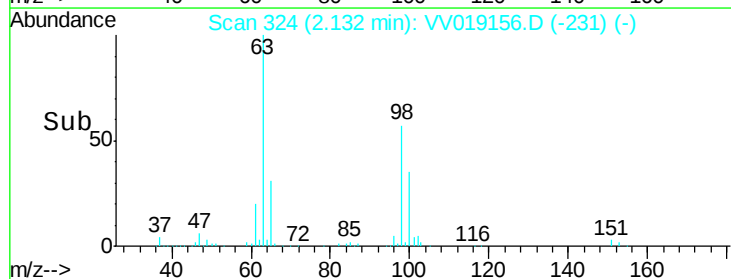
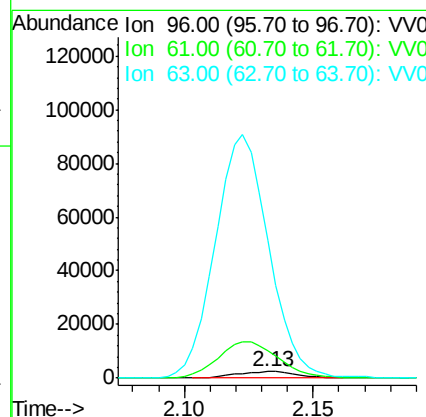
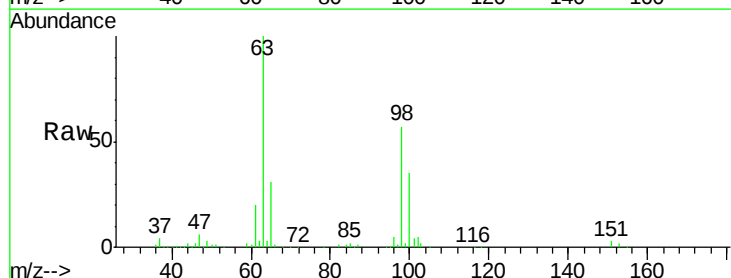
RT: 2.13 min Scan# 324

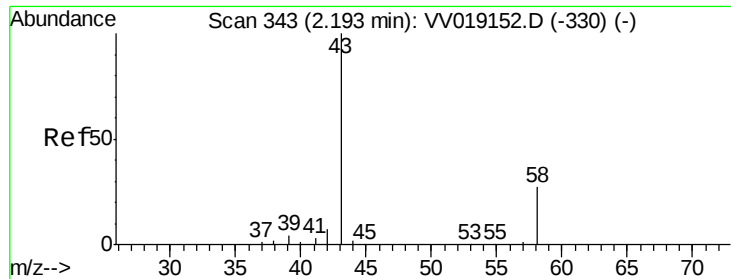
Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Tgt Ion:	96	Resp:	3979
Ion Ratio	Lower	Upper	
96	100		
61	421.6	132.6	246.2#
63	2103.3	108.4	201.4#





#13

Acetone

Concen: 4.325 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 4395

Ion Ratio Lower Upper

43 100

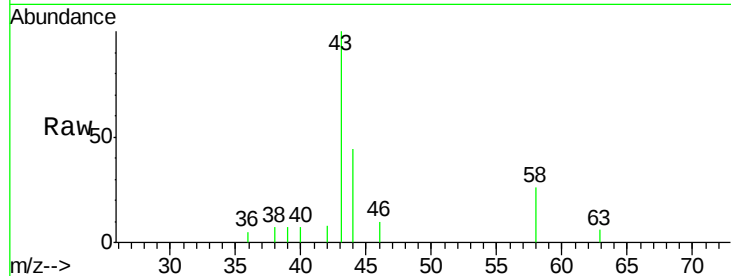
58 14.7 0.0 59.4

Manual Integrations

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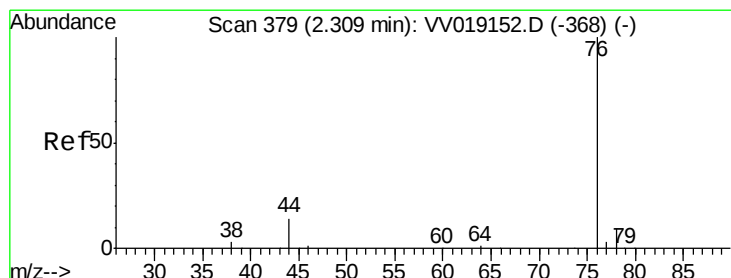
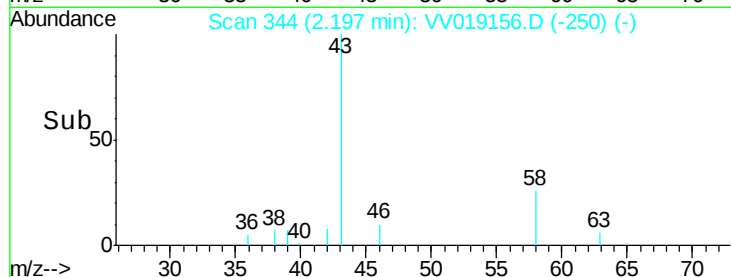
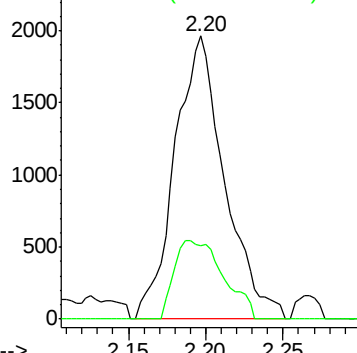
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11/2/2020 2:27:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.248 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019156.D

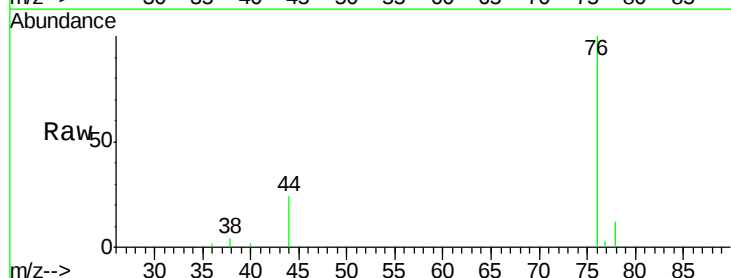
Acq: 29 Oct 2020 19:37

Tgt Ion: 76 Resp: 10296

Ion Ratio Lower Upper

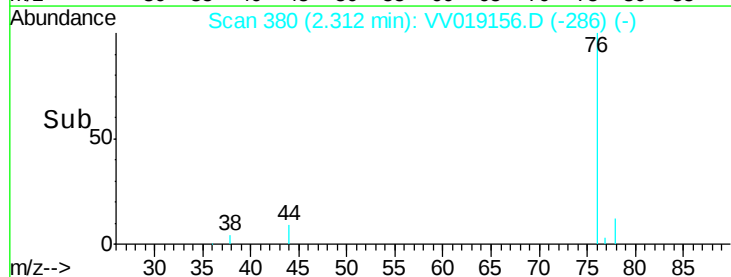
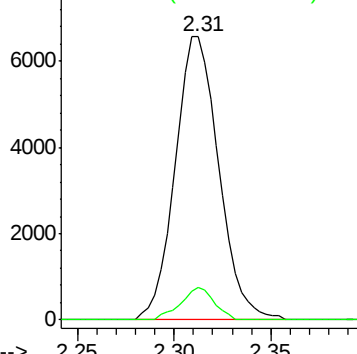
76 100

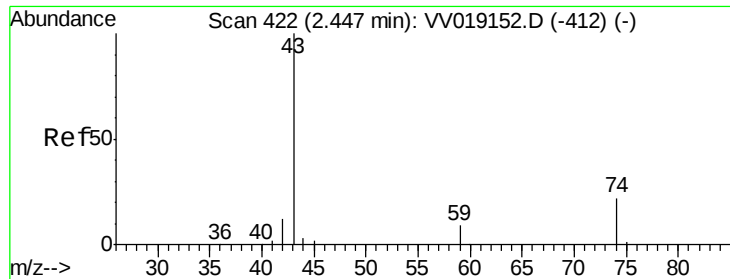
78 11.6 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





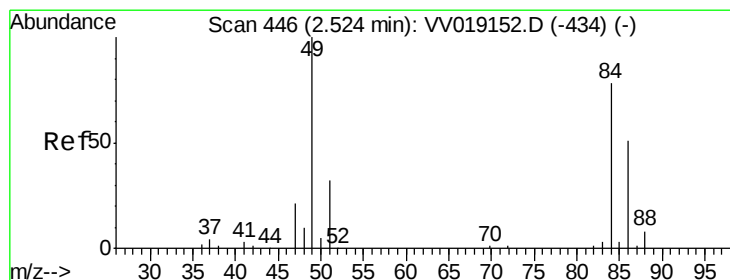
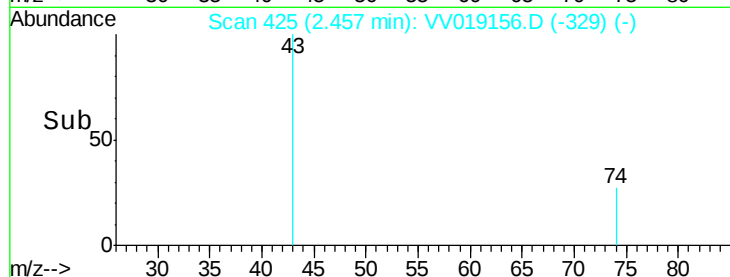
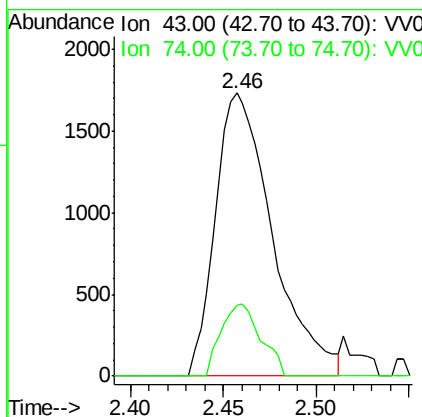
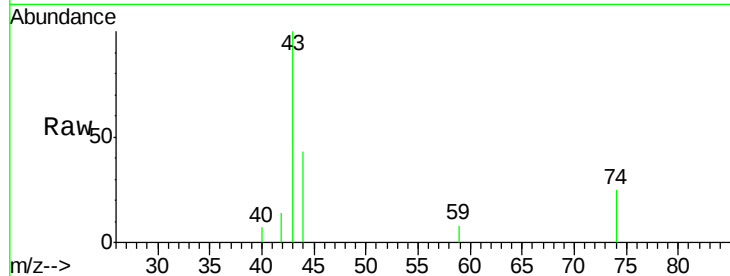
#15
Methvl Acetate
Concen: 2.261 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
74 17.7 18.4 27.6#

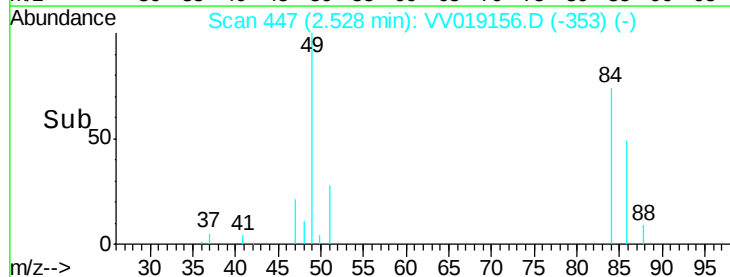
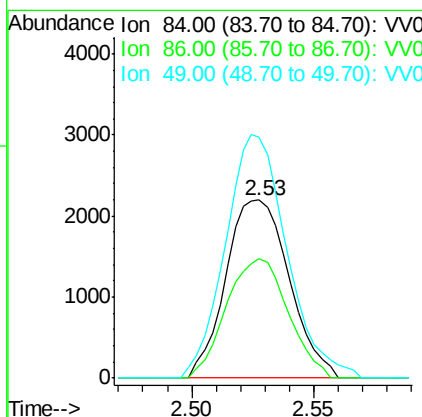
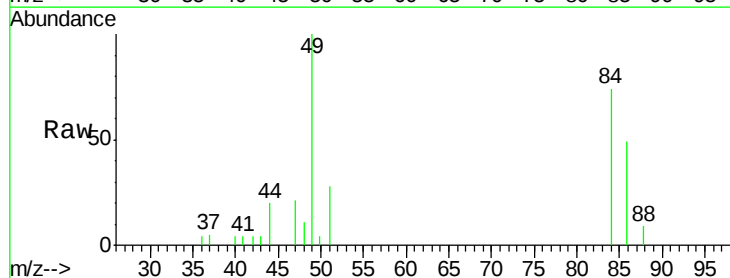
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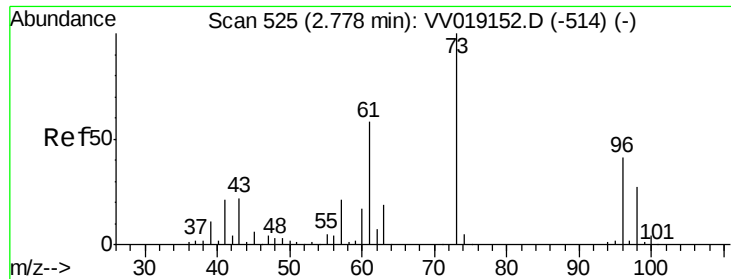
MMDadoda
11/2/2020 2:27:02 PM



#16
Methylene chloride
Concen: 2.424 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion: 84 Resp: 3967
Ion Ratio Lower Upper
84 100
86 67.1 46.0 85.4
49 135.9 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.104 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

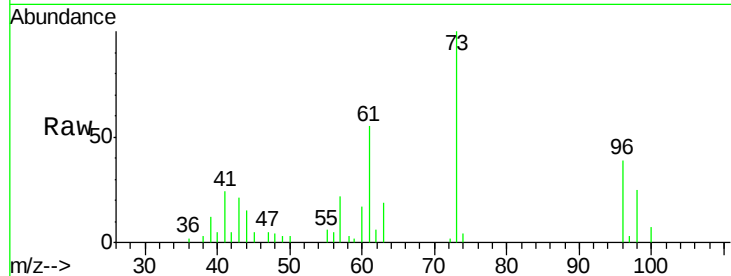
ClientSampled :

MDL02

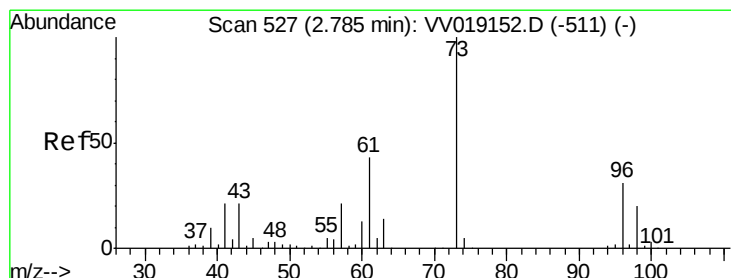
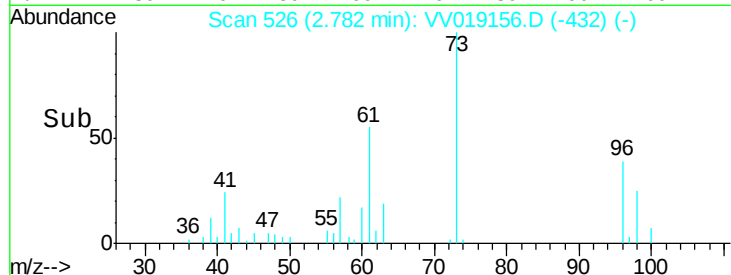
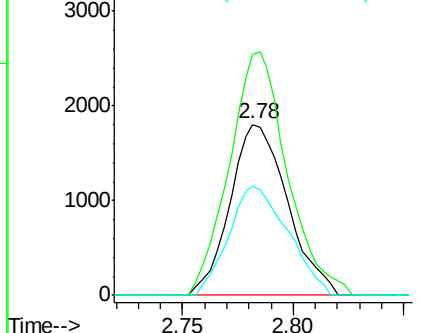
Tot Ion:	96	Resp:	3256
Ion	Ratio	Lower	Upper
96	100		
61	140.7	102.4	190.2
98	63.6	45.9	85.3

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Abundance Ion 96.00 (95.70 to 96.70): VV019156.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 2.037 ug/L

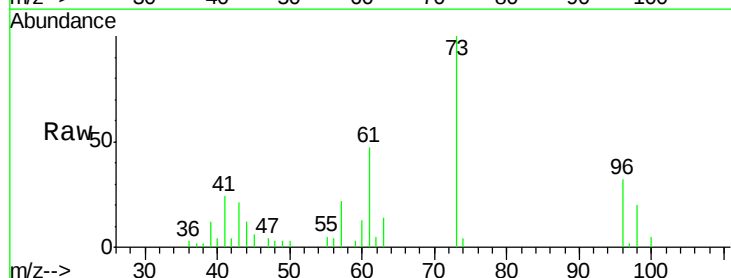
RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

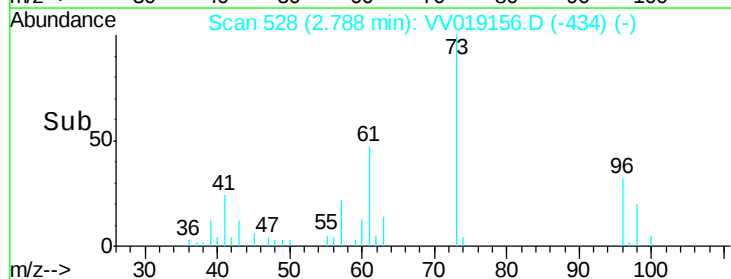
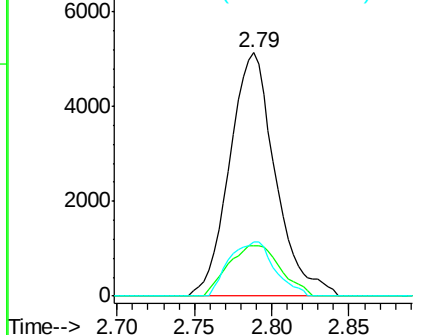
Lab File: VV019156.D

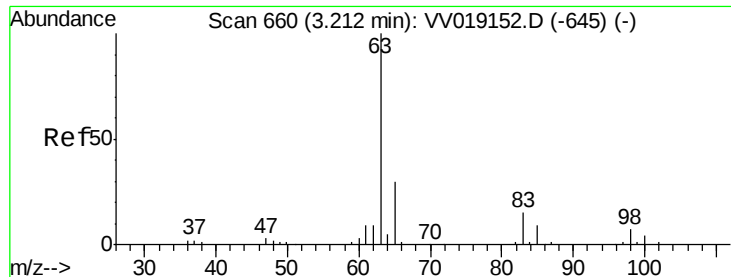
Acq: 29 Oct 2020 19:37

Tgt Ion:	73	Resp:	10559
Ion	Ratio	Lower	Upper
73	100		
43	23.8	17.9	26.9
57	22.3	17.1	25.7



Abundance Ion 73.00 (72.70 to 73.70): VV019156.D (-434) (-)





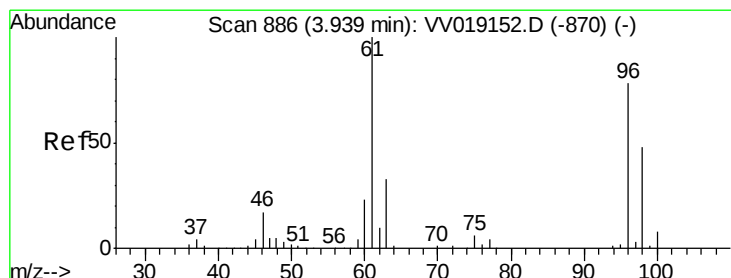
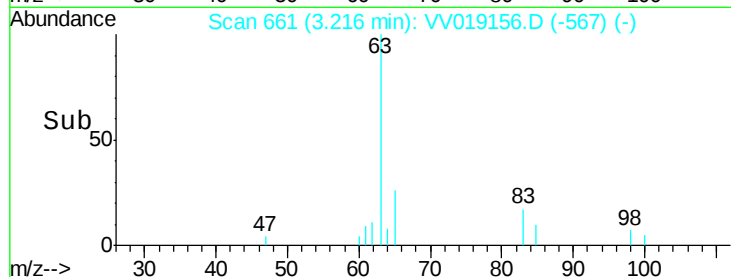
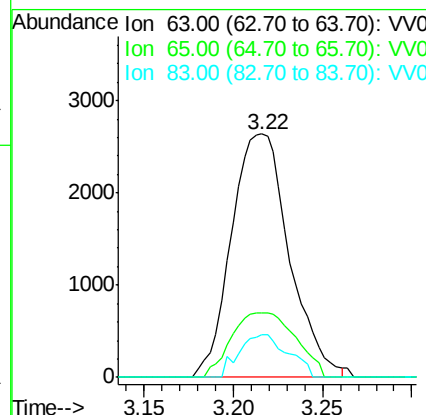
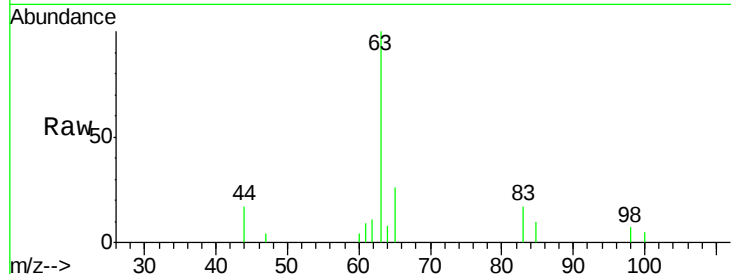
#19
 1,1-Dichloroethane
 Concen: 2.069 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.4	22.0	40.8
83	17.4	9.6	17.8

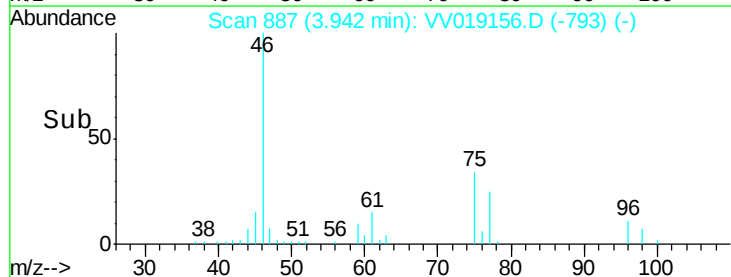
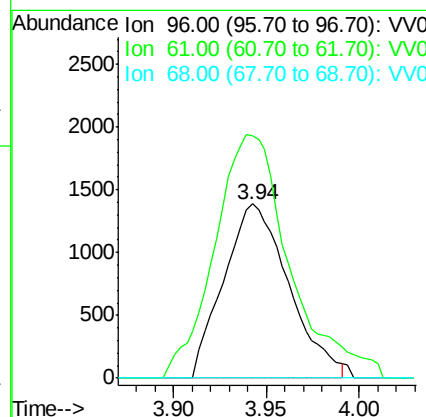
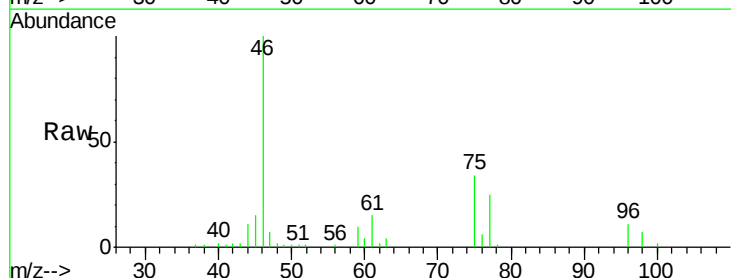
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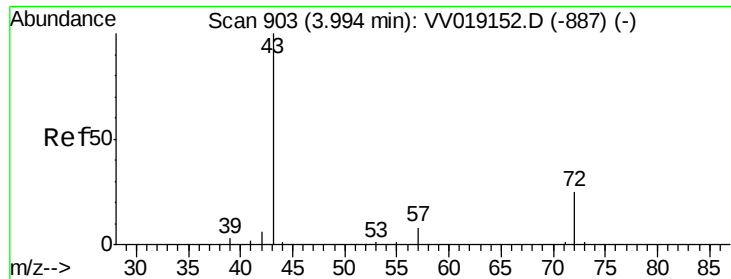
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 1.995 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.3	90.7	168.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.015 ug/L m

RT: 4.02 min Scan# 911

Delta R.T. 0.03 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 4444

Ion Ratio Lower Upper

43 100

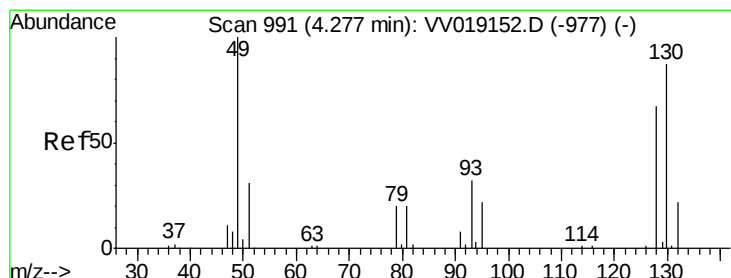
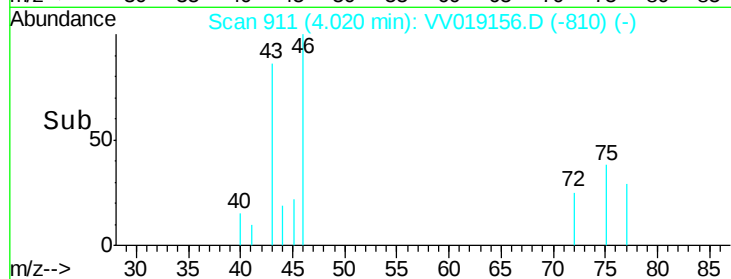
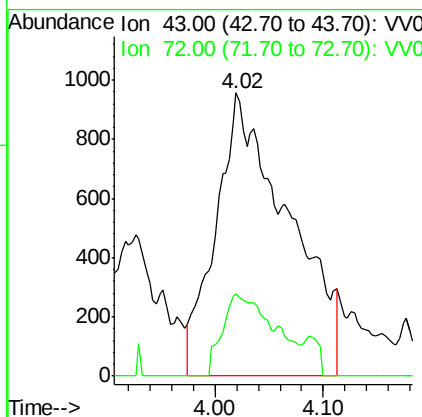
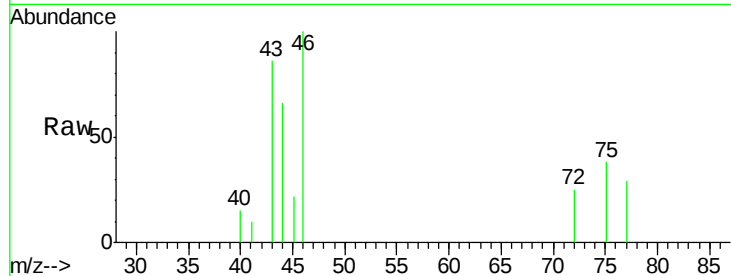
72 9.7 11.9 35.9#

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#23

Bromochloromethane

Concen: 2.132 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Tgt Ion: 128 Resp: 1943

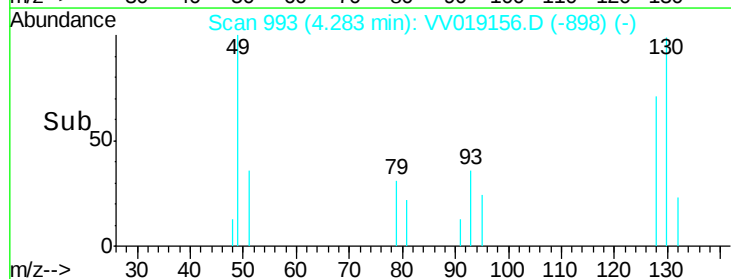
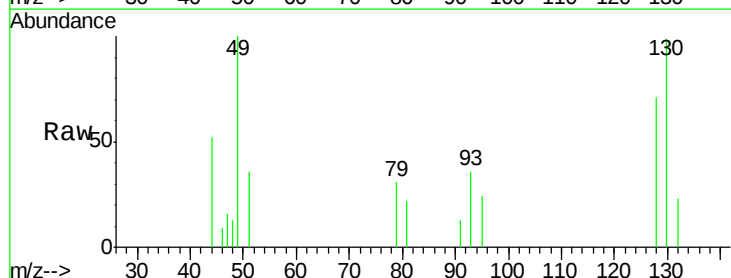
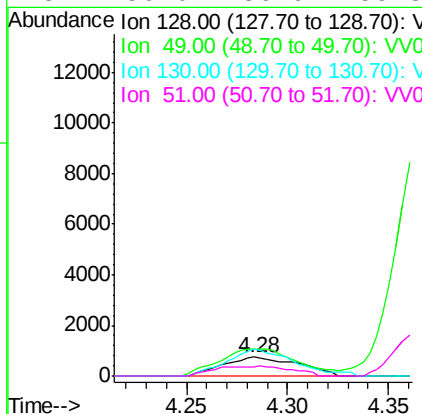
Ion Ratio Lower Upper

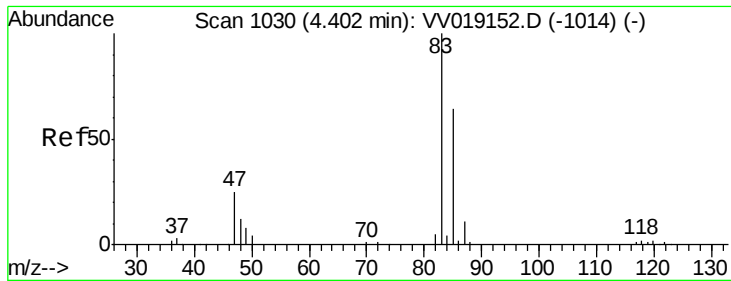
128 100

49 140.3 108.5 201.5

130 139.4 90.4 167.8

51 50.0 36.9 55.3





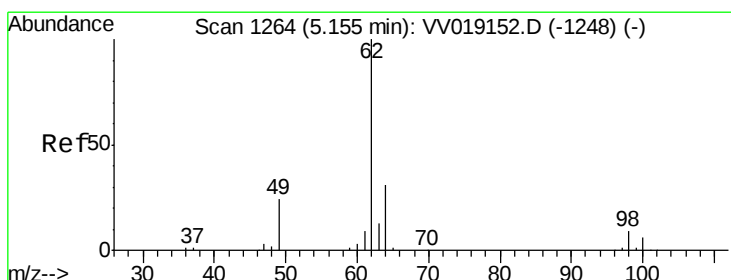
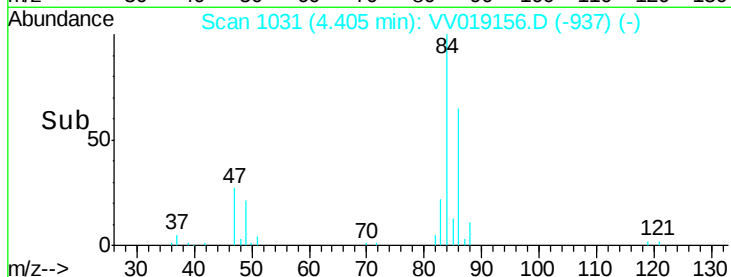
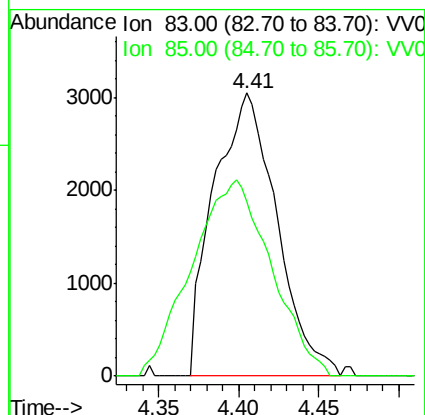
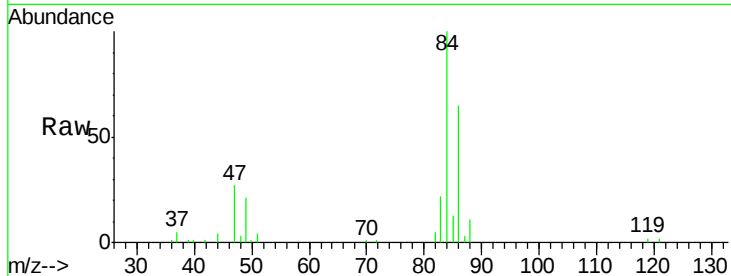
#25
Chloroform
Concen: 2.648 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	83	Resp	8251
Ion Ratio	100	Lower	Upper
85	61.6	45.1	83.9

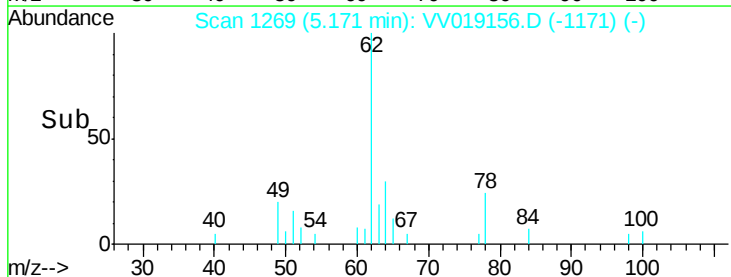
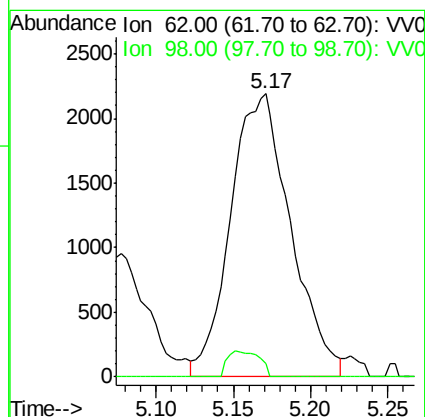
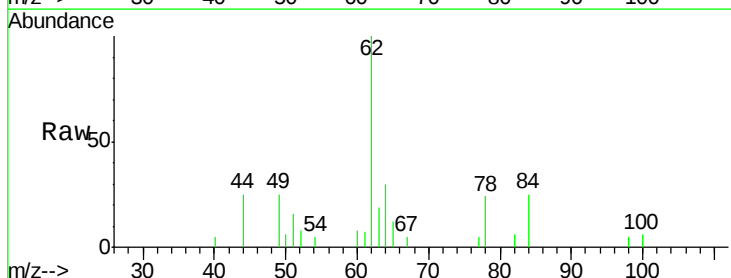
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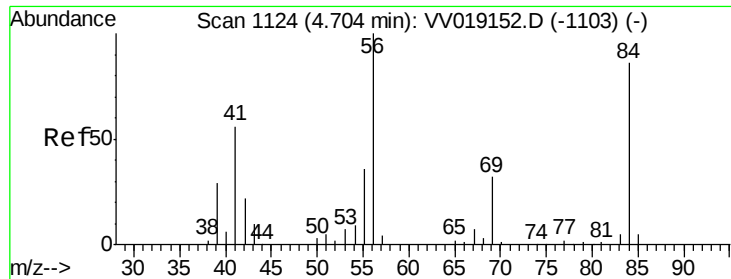
MMDadoda
11/2/2020 2:27:02 PM



#27
1,2-Dichloroethane
Concen: 2.231 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. 0.02 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion	62	Resp	5919
Ion Ratio	100	Lower	Upper
98	4.8	6.8	10.2#





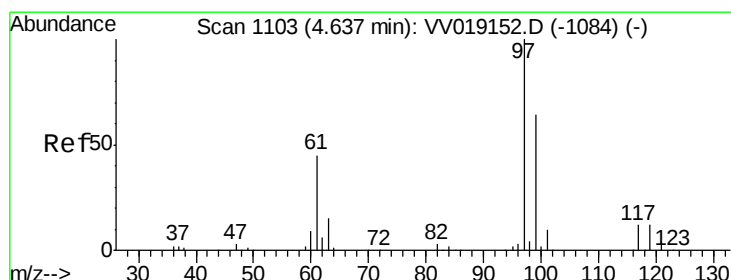
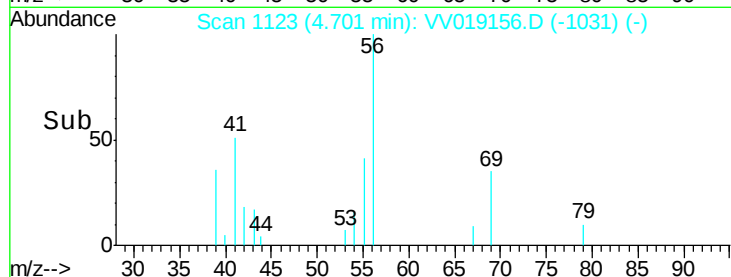
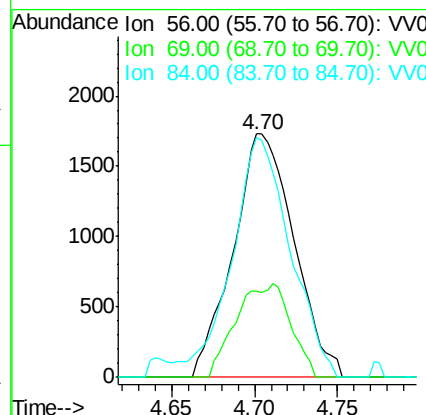
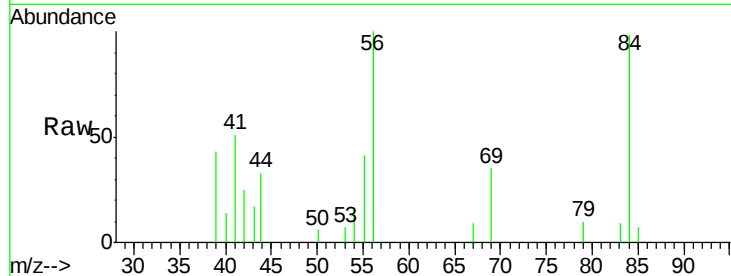
#29
Cyclohexane
Concen: 1.824 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 56 Resp: 4408
Ion Ratio Lower Upper
56 100
69 18.3 25.0 37.4#
84 94.4 71.5 107.3

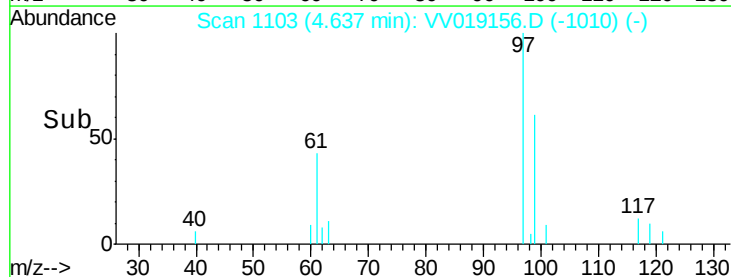
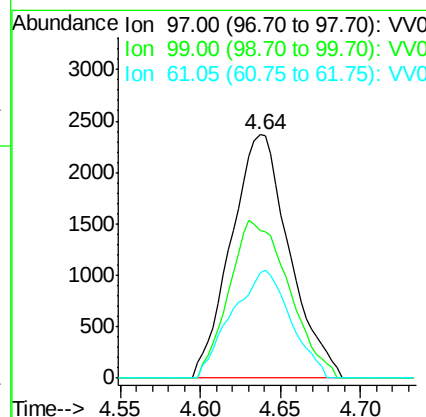
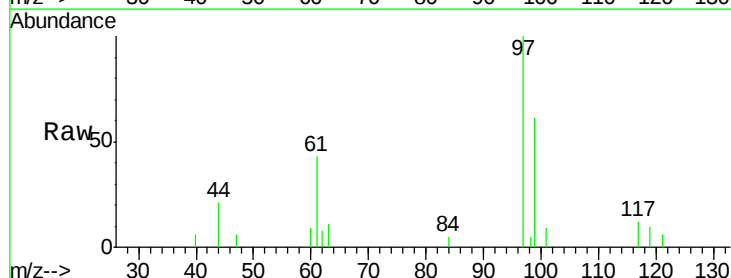
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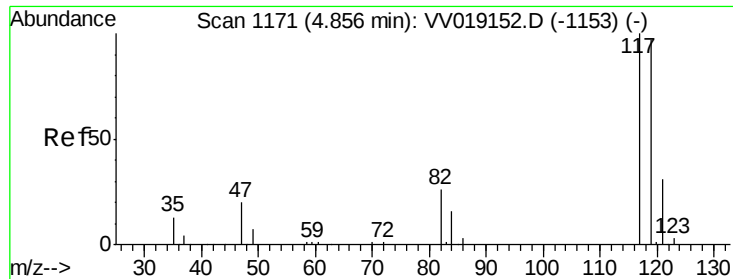
MMDadoda
11/2/2020 2:27:02 PM



#30
1,1,1-Trichloroethane
Concen: 2.012 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion: 97 Resp: 5902
Ion Ratio Lower Upper
97 100
99 66.5 51.3 76.9
61 44.7 34.6 52.0





#31

Carbon tetrachloride

Concen: 1.963 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:117 Resp: 5108

Ion Ratio Lower Upper

117 100

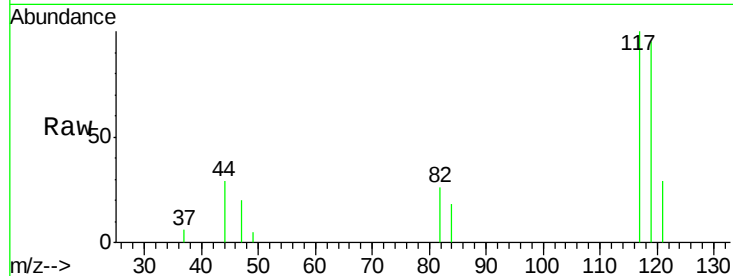
119 99.1 77.2 115.8

Manual Integrations

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

2500

2000

1500

1000

500

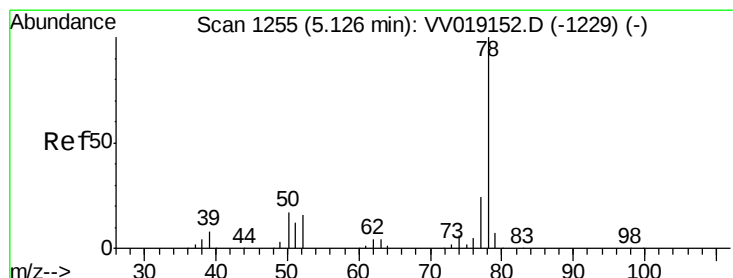
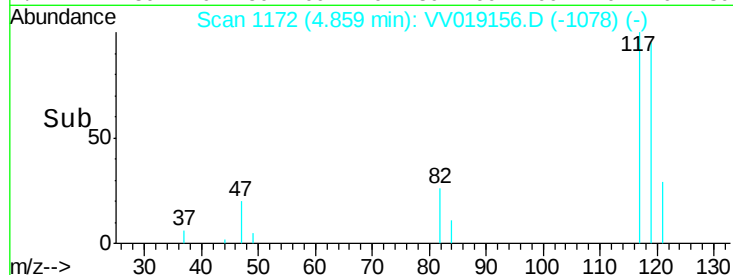
0

4.80

4.85

4.90

Time-->



#33

Benzene

Concen: 2.143 ug/L

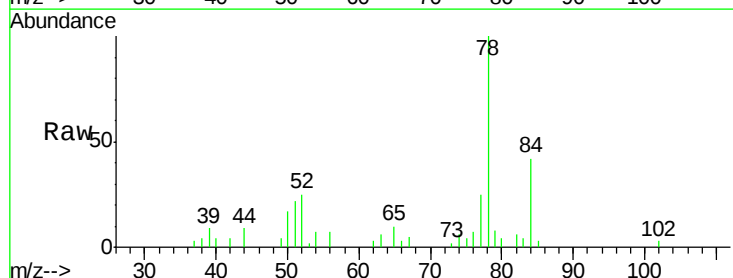
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Tgt Ion: 78 Resp: 13375



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

6000

5000

4000

3000

2000

1000

0

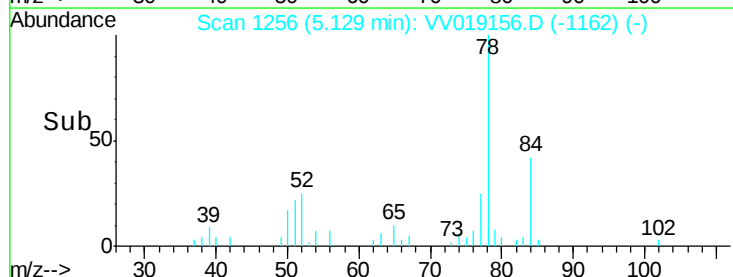
5.05

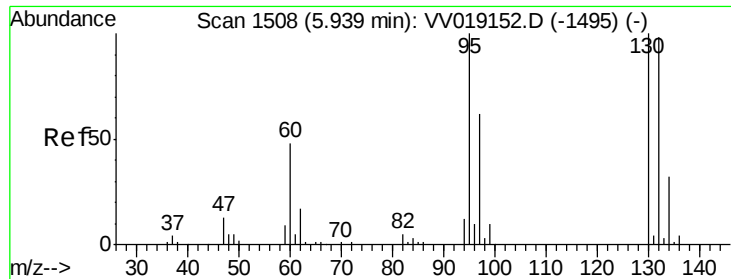
5.10

5.15

5.20

Time-->





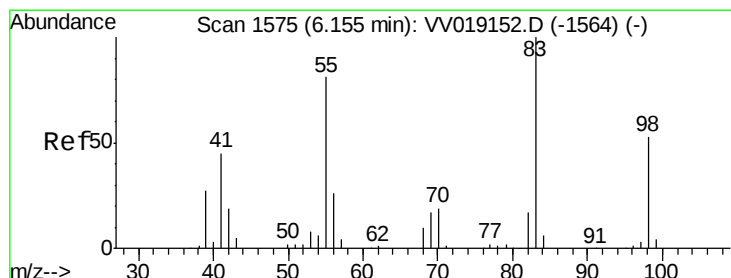
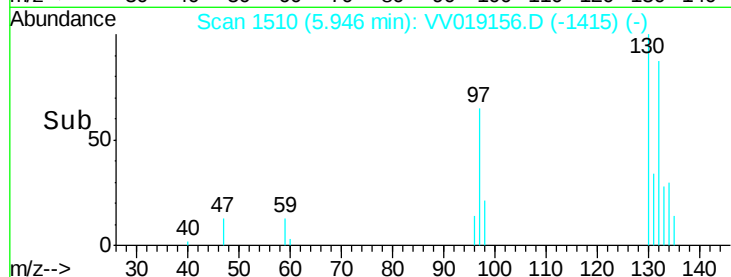
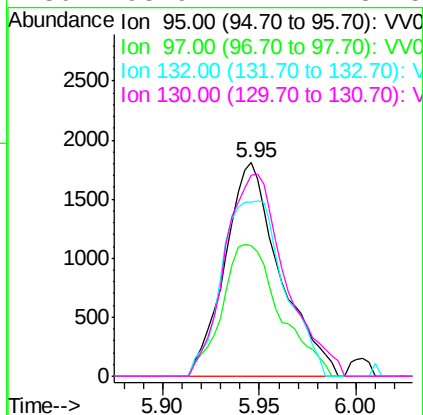
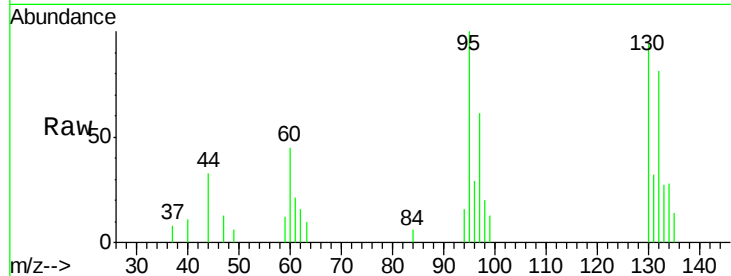
#34
 Trichloroethene
 Concen: 2.095 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 95 Resp: 3582
 Ion Ratio Lower Upper
 95 100
 97 61.2 43.4 80.6
 132 81.5 69.7 129.4
 130 93.9 72.4 134.5

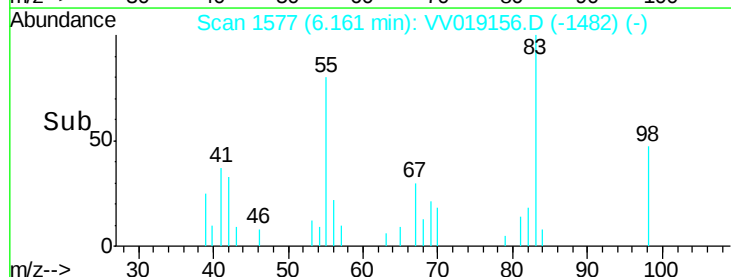
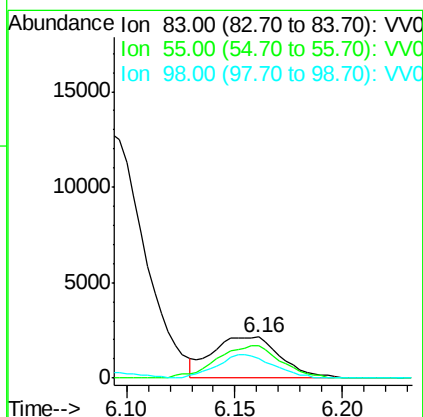
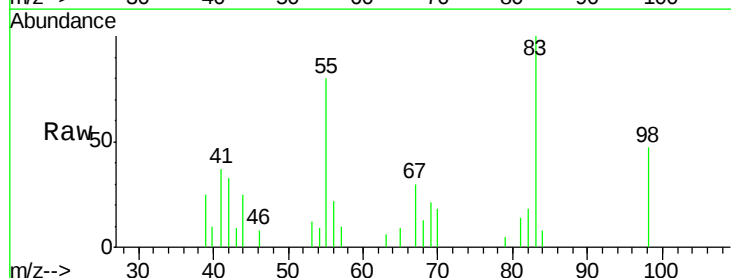
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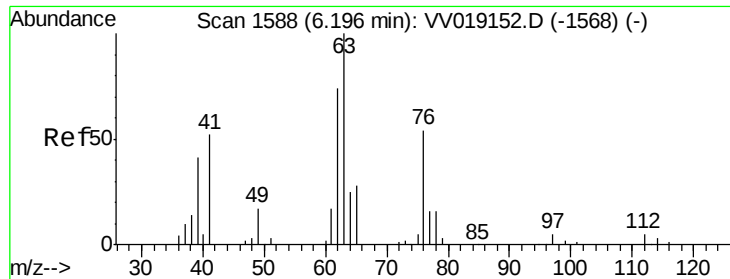
MMDadoda
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#35
 Methylcyclohexane
 Concen: 2.068 ug/L m
 RT: 6.16 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion: 83 Resp: 4774
 Ion Ratio Lower Upper
 83 100
 55 73.3 62.2 93.4
 98 46.3 39.4 59.2





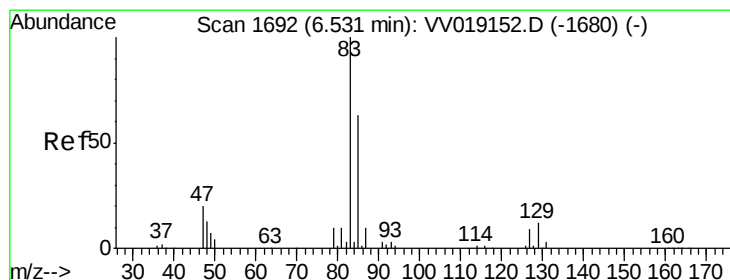
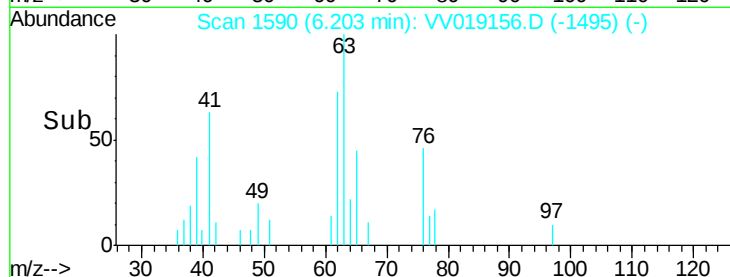
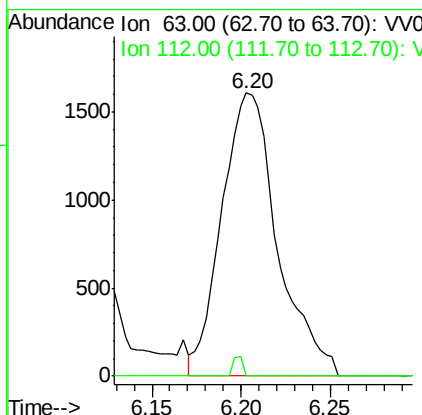
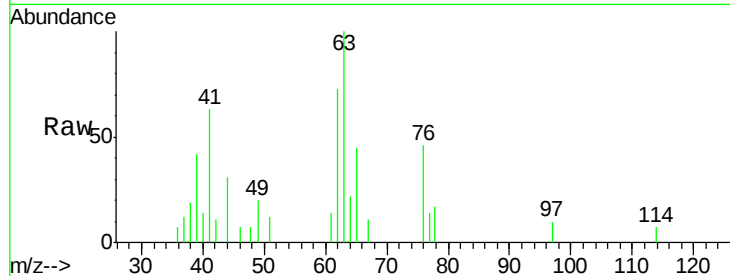
#37
 1,2-Dichloropropane
 Concen: 2.261 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 3506
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.8 5.8#

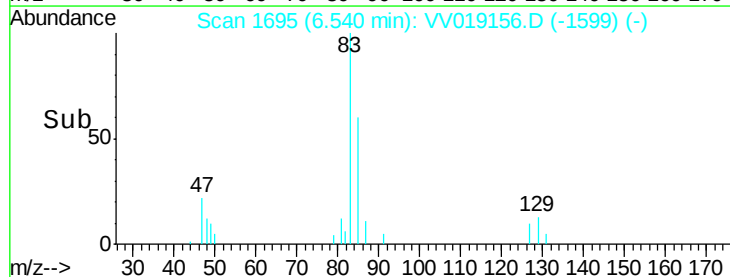
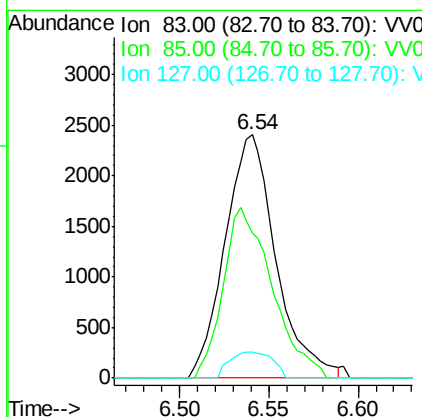
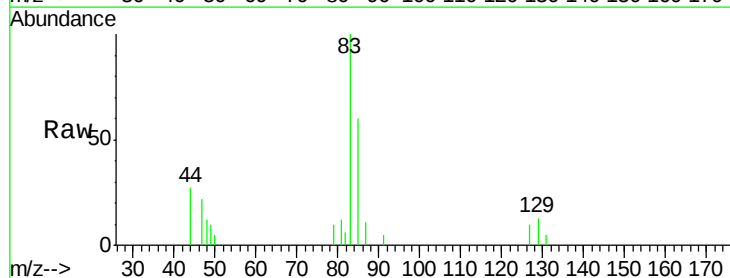
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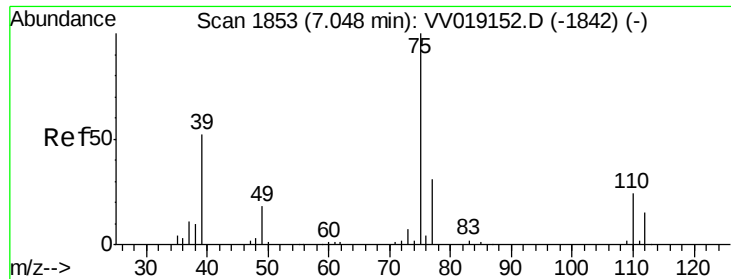
MMDadoda
 11/2/2020 2:27:02 PM



#38
 Bromodichloromethane
 Concen: 2.070 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion: 83 Resp: 4775
 Ion Ratio Lower Upper
 83 100
 85 59.8 45.9 85.3
 127 10.5 6.9 10.3#





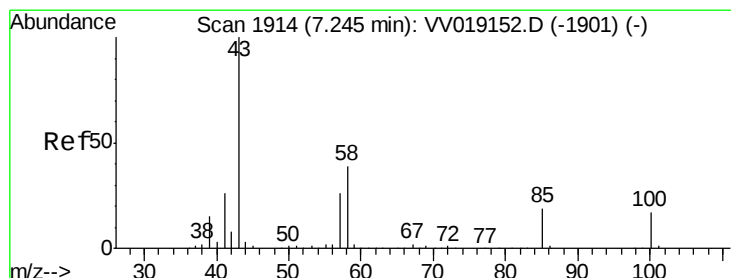
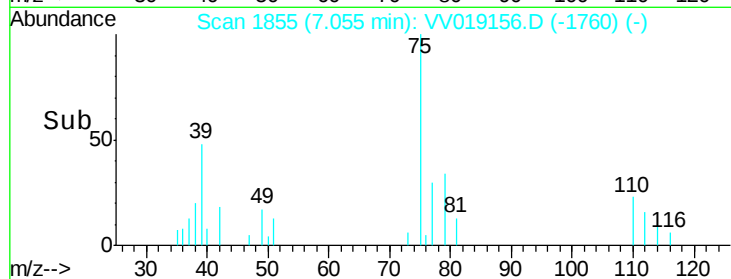
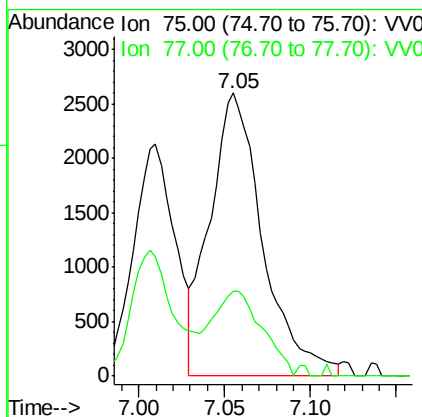
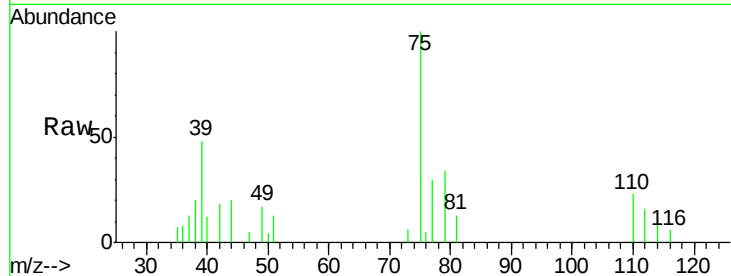
#39
 cis-1,3-Dichloropropene
 Concen: 2.178 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 5578
 Ion Ratio Lower Upper
 75 100
 77 29.9 22.7 42.1

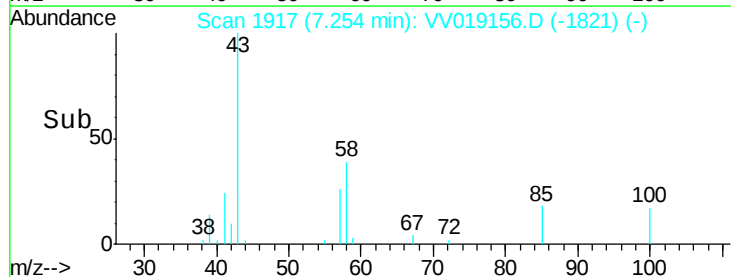
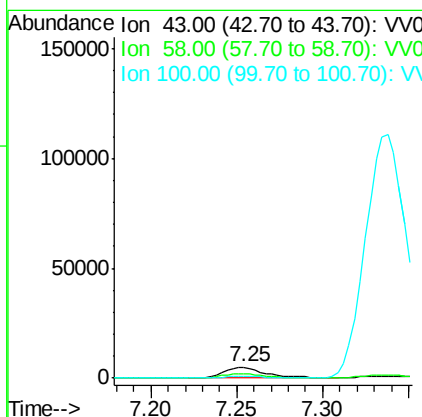
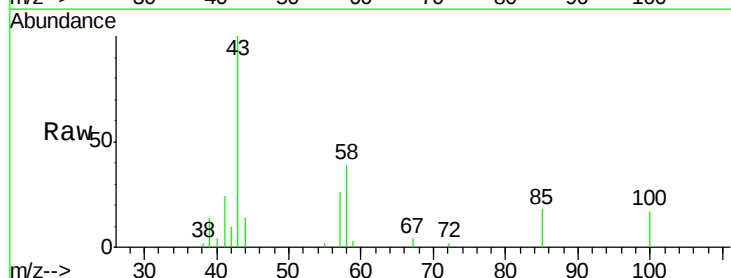
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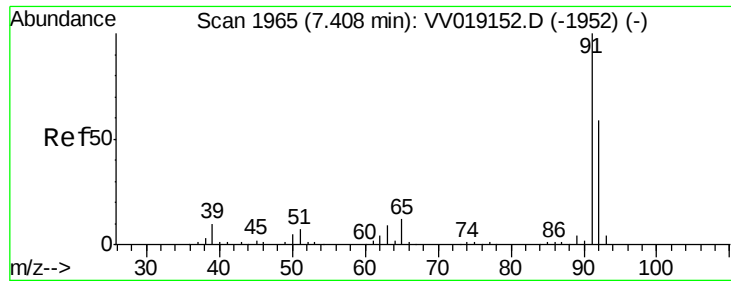
MMDadoda
 11/2/2020 2:27:02 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.018 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion: 43 Resp: 8594
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.0 46.4
 100 17.3 13.2 19.8





#42

Toluene

Concen: 2.715 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 91 Resp: 18577

Ion Ratio Lower Upper

91 100

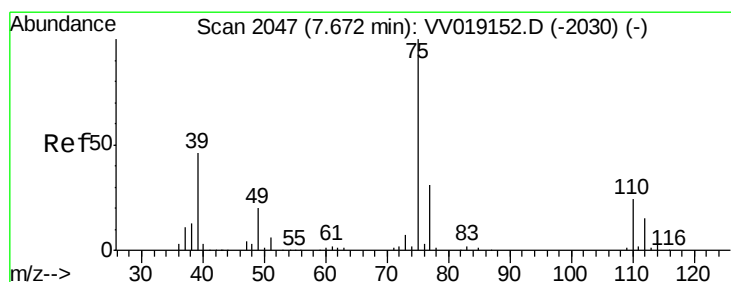
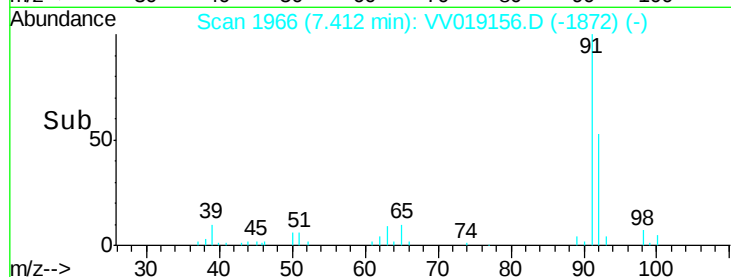
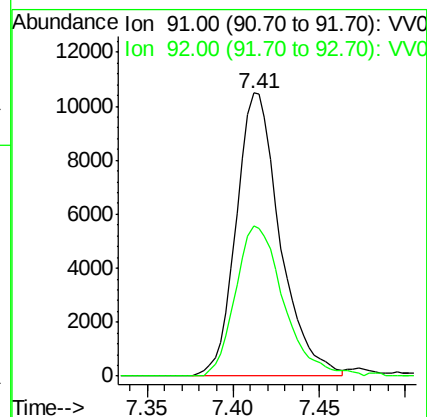
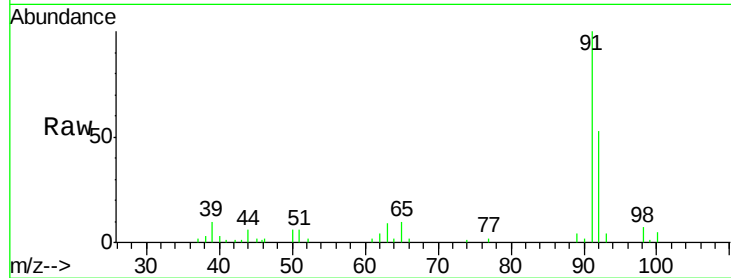
92 53.2 41.5 77.1

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#44

trans-1,3-Dichloropropene

Concen: 2.077 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019156.D

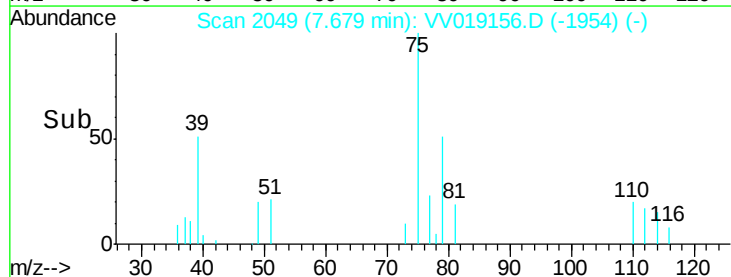
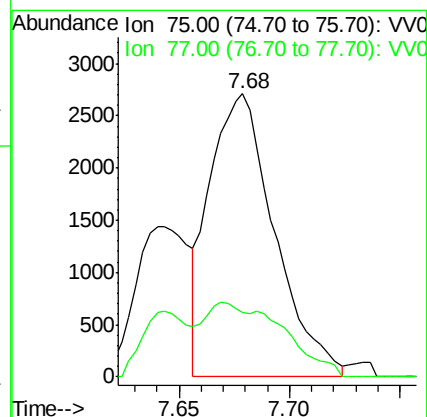
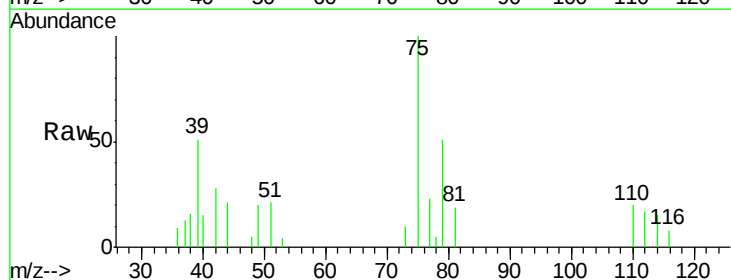
Acq: 29 Oct 2020 19:37

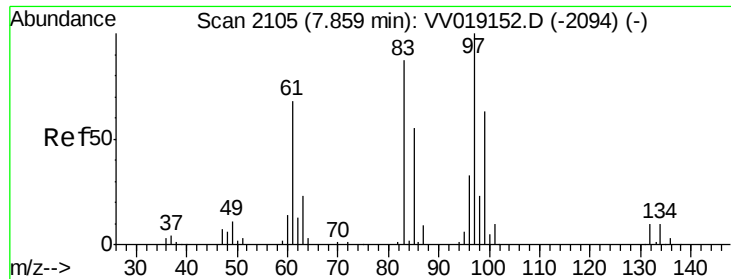
Tgt Ion: 75 Resp: 5533

Ion Ratio Lower Upper

75 100

77 22.7 21.8 40.4





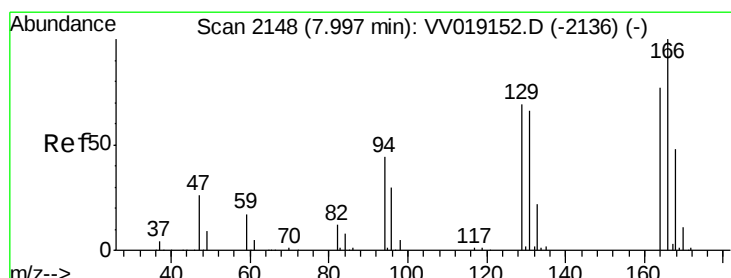
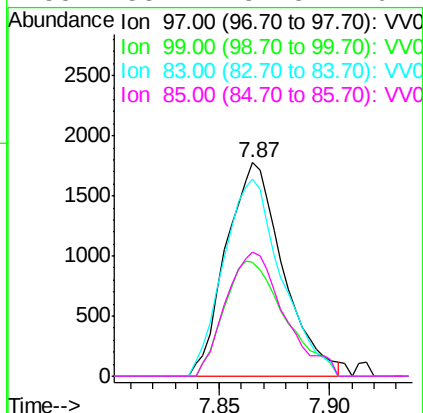
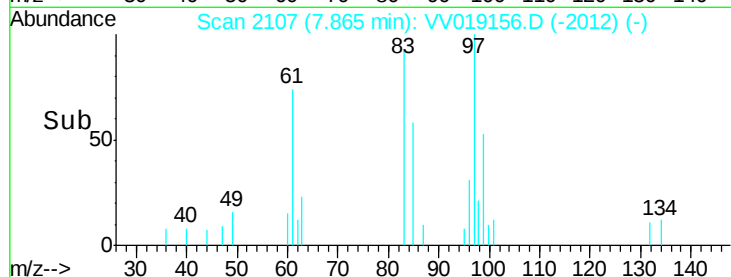
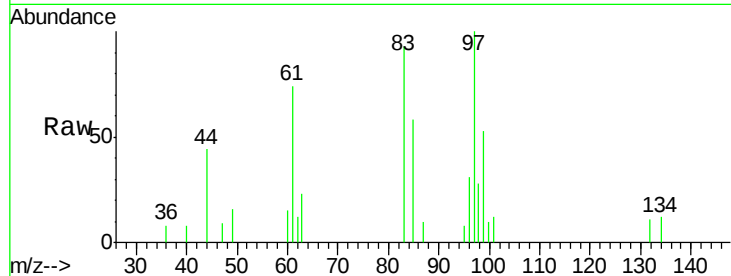
#45
1,1,2-Trichloroethane
Concen: 2.043 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion:	97	Resp:	3176
Ion	Ratio	Lower	Upper
97	100		
99	53.1	43.1	80.1
83	92.5	58.3	108.3
85	58.1	37.8	70.2

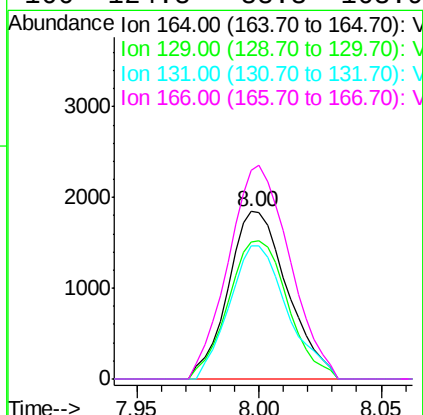
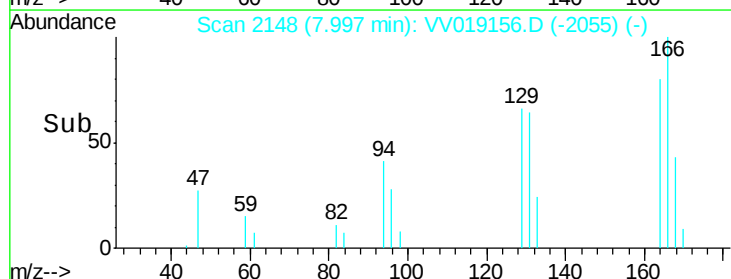
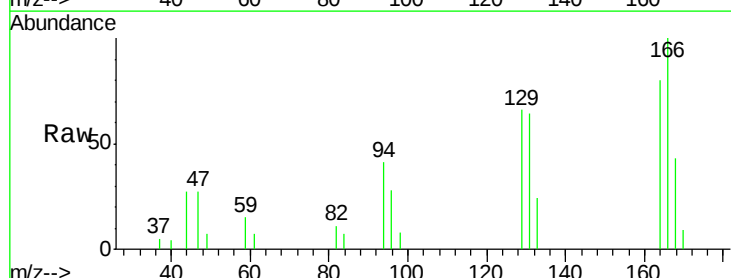
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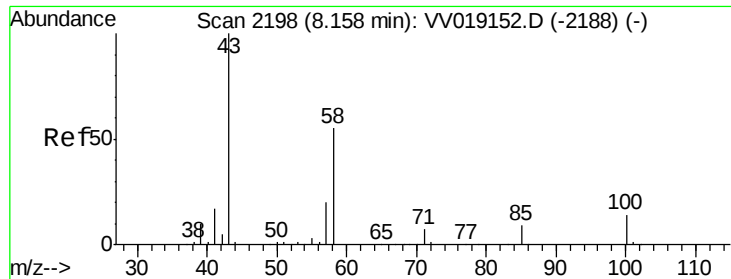
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#46
Tetrachloroethene
Concen: 2.132 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion:	164	Resp:	3113
Ion	Ratio	Lower	Upper
164	100		
129	82.2	63.2	117.4
131	79.6	60.3	112.1
166	124.8	88.3	163.9





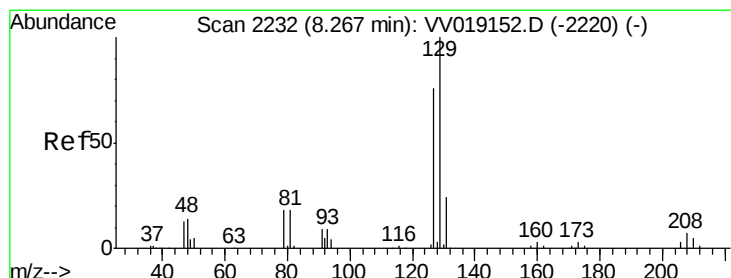
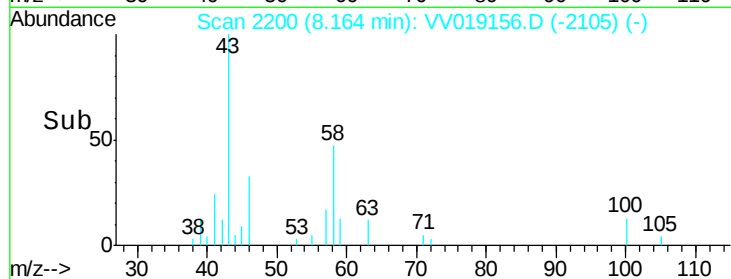
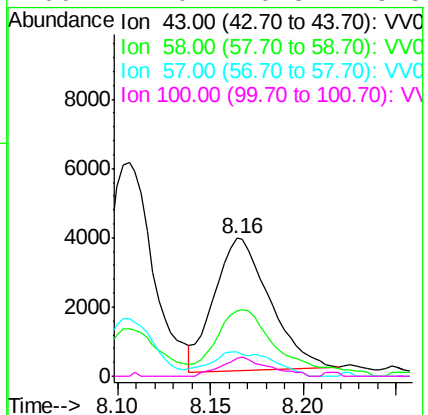
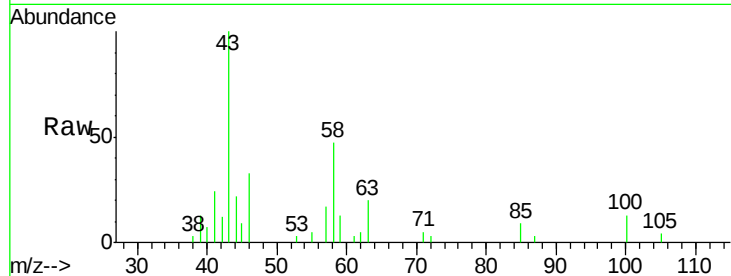
#48
2-Hexanone
Concen: 4.652 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	57.2	43.6	65.4	
57	7.9	16.0	24.0	
100	12.0	10.3	15.5	

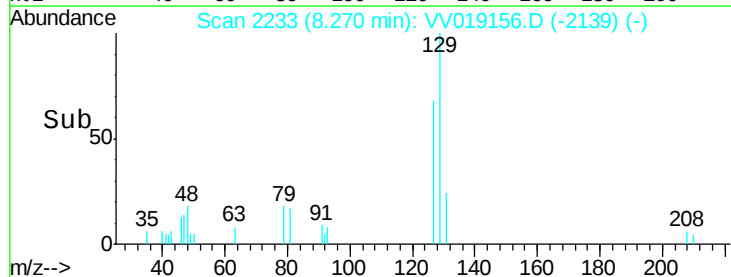
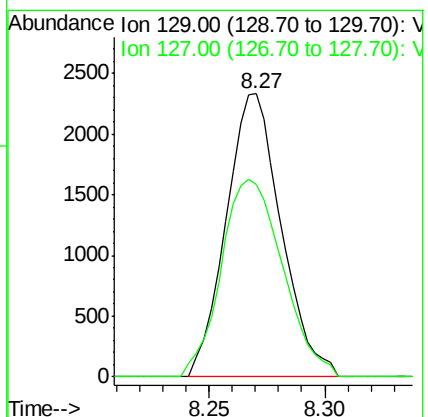
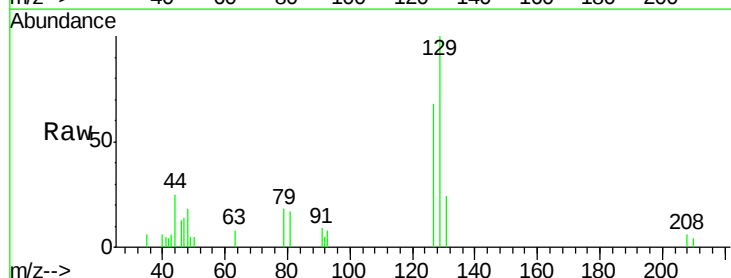
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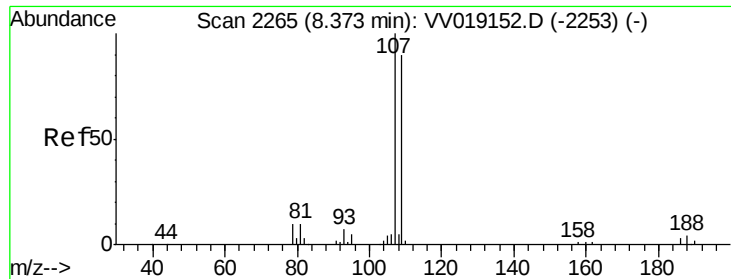
MMDadoda
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#49
Dibromochloromethane
Concen: 2.041 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	68.0	54.7	101.5	





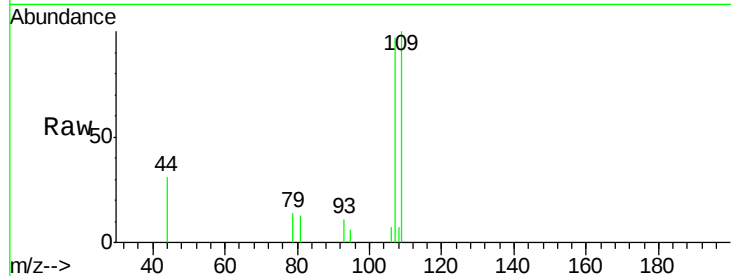
#50
1,2-Dibromoethane
Concen: 1.931 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	103.4	65.7	121.9
188	0.0	3.4	5.2#

Manual Integrations
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MMDadoda
11/2/2020 2:27:02 PM

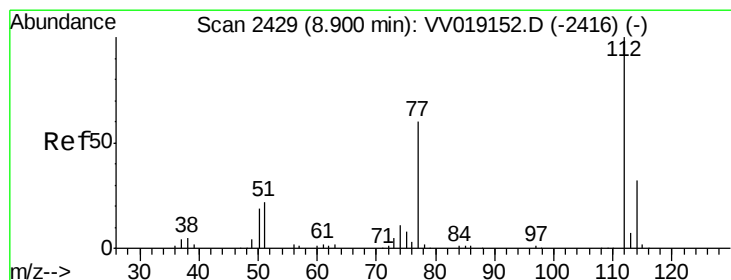
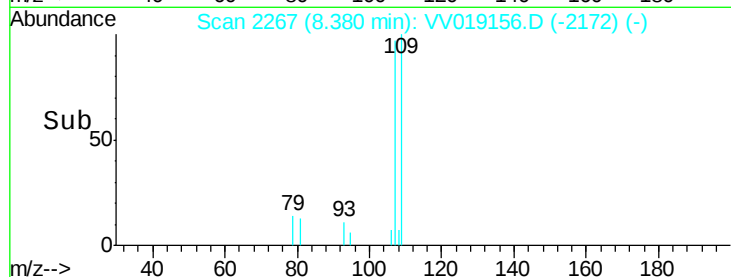
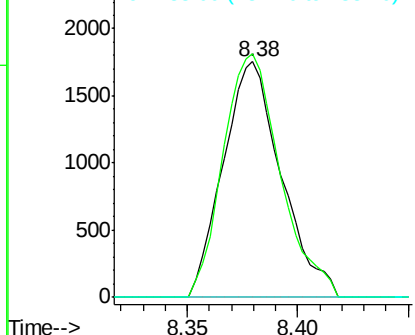


Abundance

Ion 107.00 (106.70 to 107.70): V

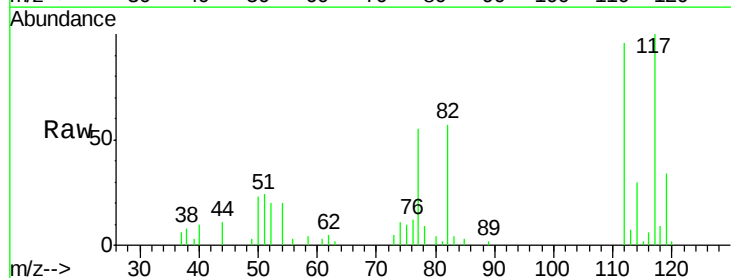
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 2.092 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.3	41.5
77	57.2	46.7	70.1

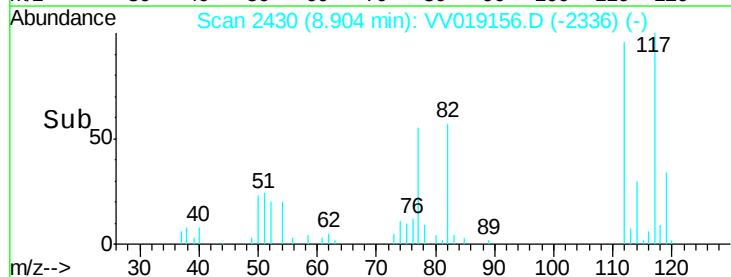
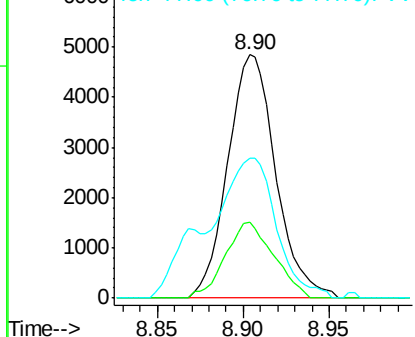


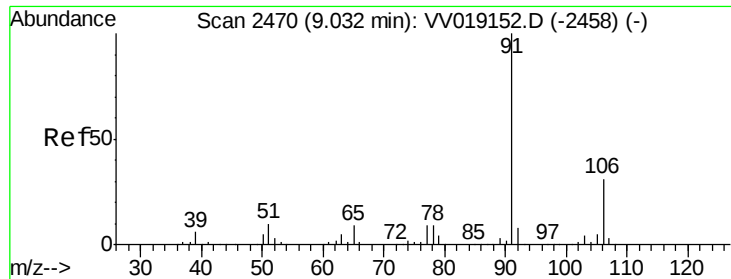
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 1.901 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Tot Ion: 91 Resp: 14335

Ion Ratio Lower Upper

91 100

106 29.7 21.6 40.0

Instrument :

MSVOA_V

ClientSampled :

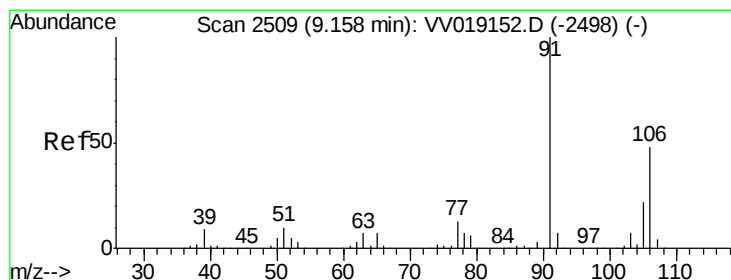
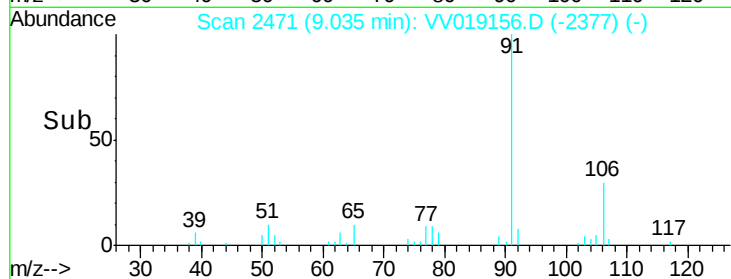
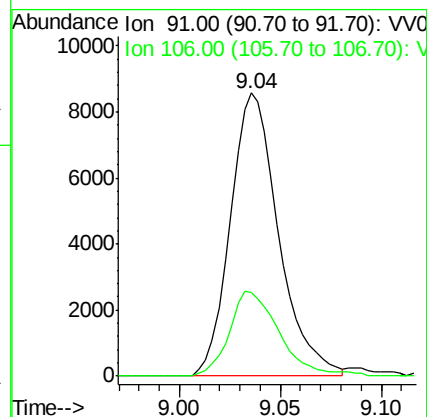
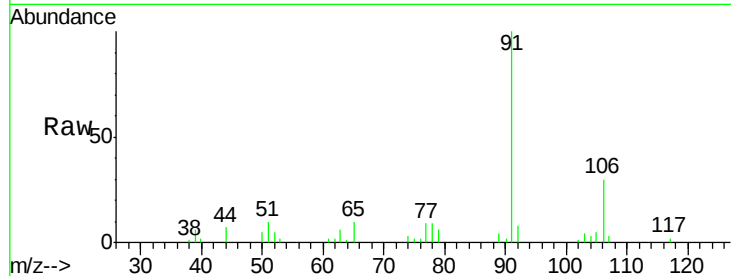
MDL02

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#53

m,p-Xylene

Concen: 1.913 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019156.D

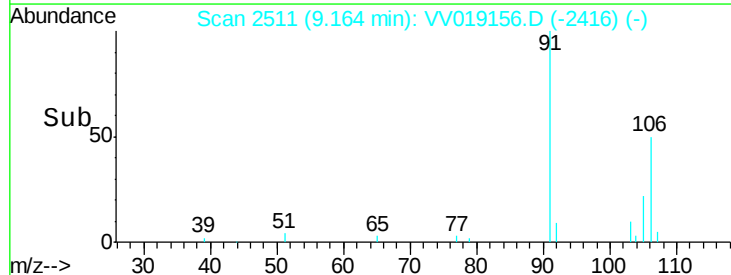
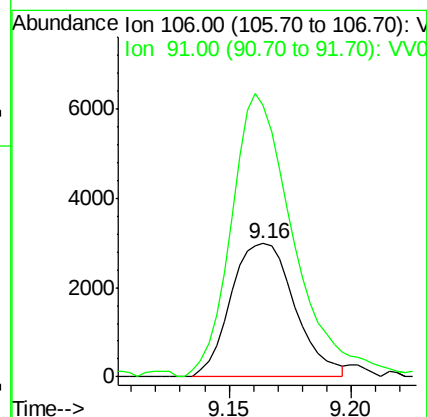
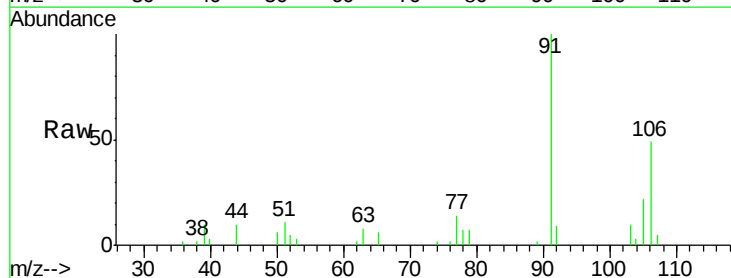
Acq: 29 Oct 2020 19:37

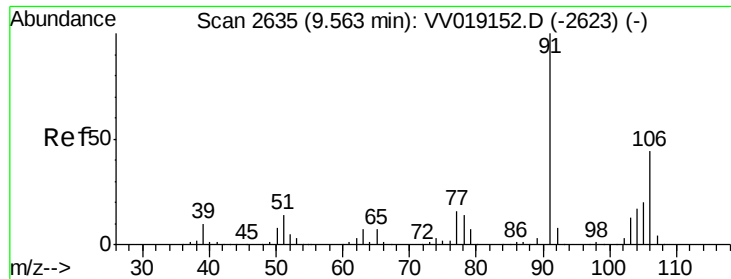
Tgt Ion: 106 Resp: 5449

Ion Ratio Lower Upper

106 100

91 204.0 145.4 270.0





#54

o-xylene

Concen: 1.802 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:106 Resp: 4928

Ion Ratio Lower Upper

106 100

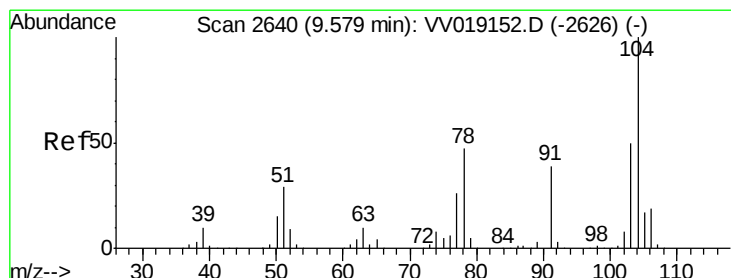
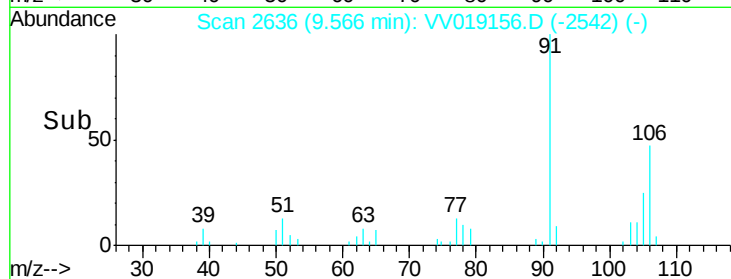
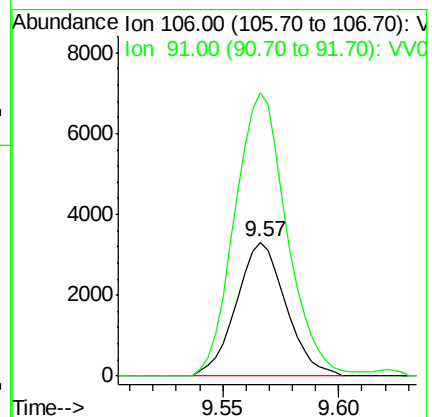
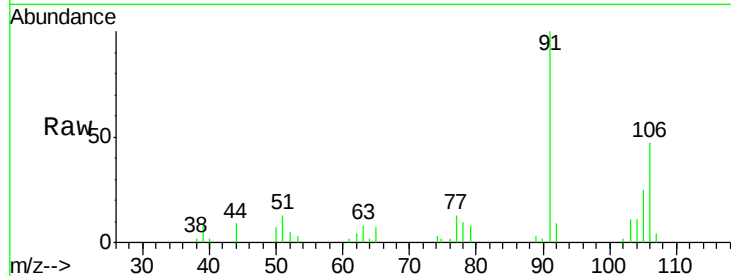
91 211.4 153.4 285.0

Manual Integrations

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#55

Styrene

Concen: 1.691 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019156.D

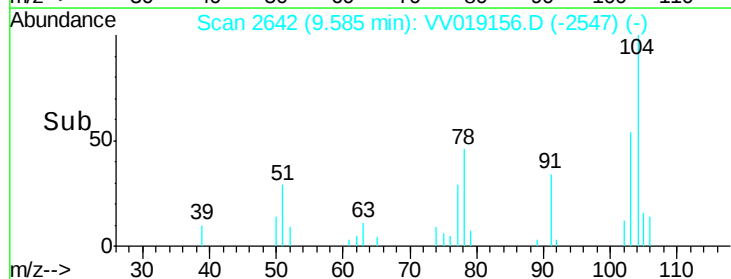
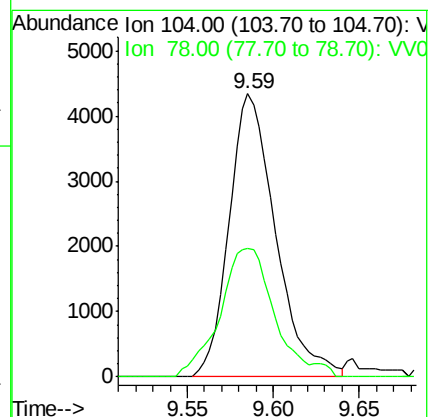
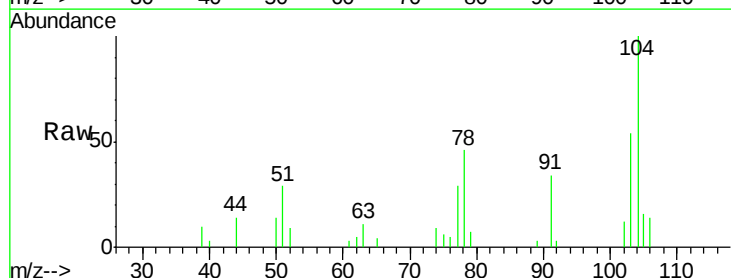
Acq: 29 Oct 2020 19:37

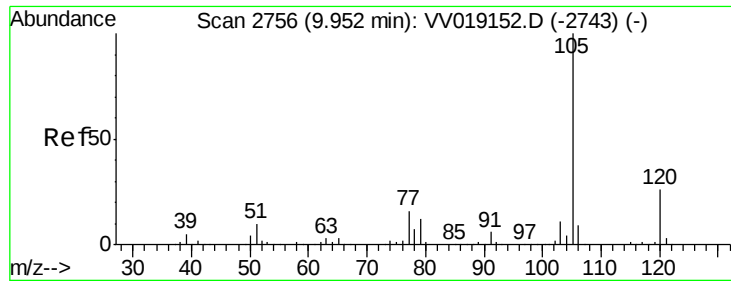
Tgt Ion:104 Resp: 8194

Ion Ratio Lower Upper

104 100

78 45.6 32.8 60.8





#56

Isopropylbenzene

Concen: 1.708 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

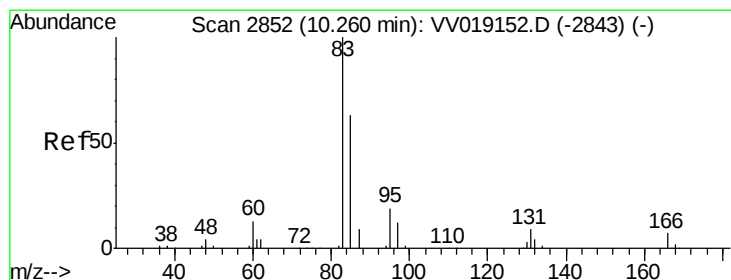
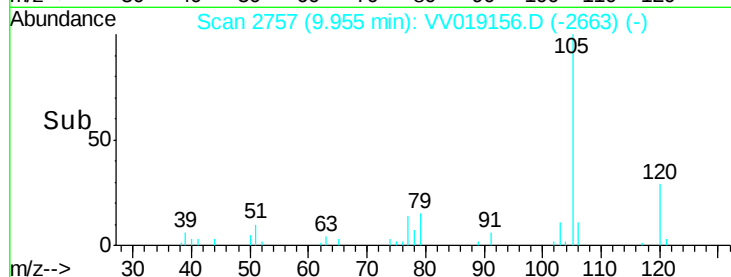
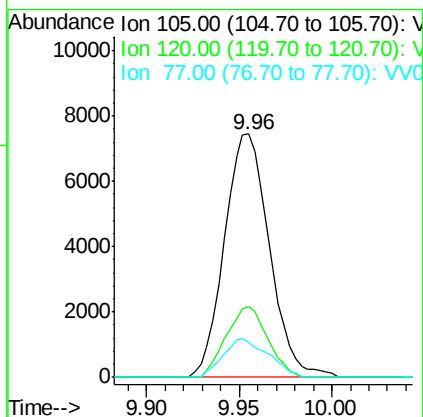
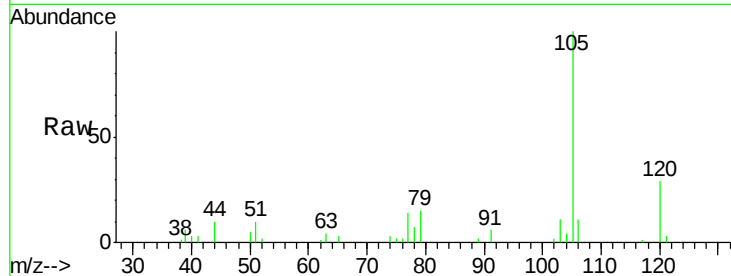
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	12554
Ion Ratio	Lower	Upper	
105	100		
120	26.9	21.3	31.9
77	15.9	13.0	19.4

Manual Integrations
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11/2/2020 2:27:02 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.307 ug/L

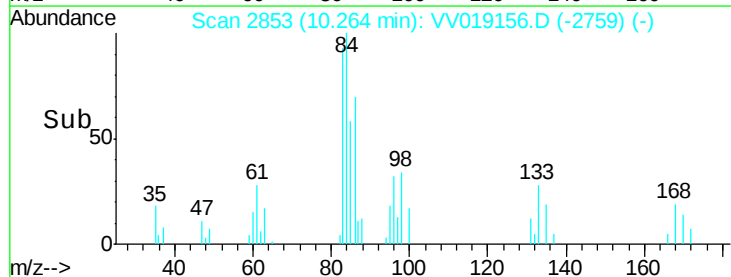
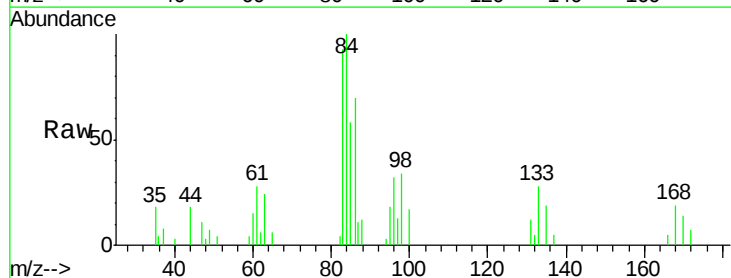
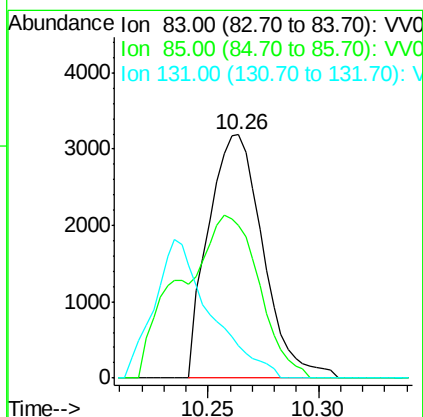
RT: 10.26 min Scan# 2853

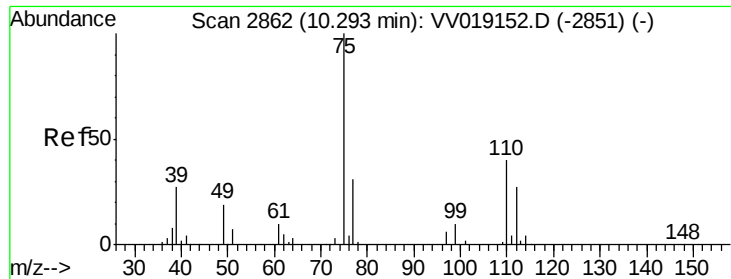
Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Tgt Ion:	83	Resp:	5463
Ion Ratio	Lower	Upper	
83	100		
85	62.5	45.8	85.0
131	13.1	8.9	13.3





#59

1,2,3-Trichloropropane

Concen: 2.244 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 75 Resp: 4547

Ion Ratio Lower Upper

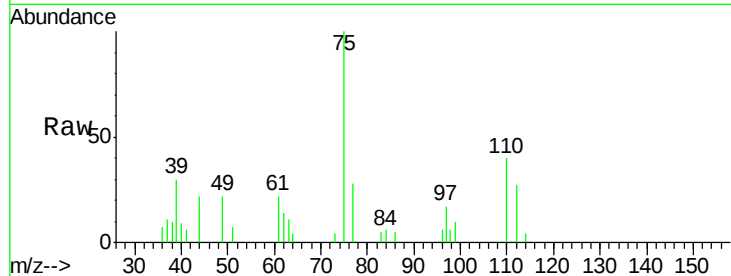
75 100

77 30.5 26.2 39.4

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Abundance Ion 75.00 (74.70 to 75.70): VV019152.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV019152.D (-2851) (-)

10.30

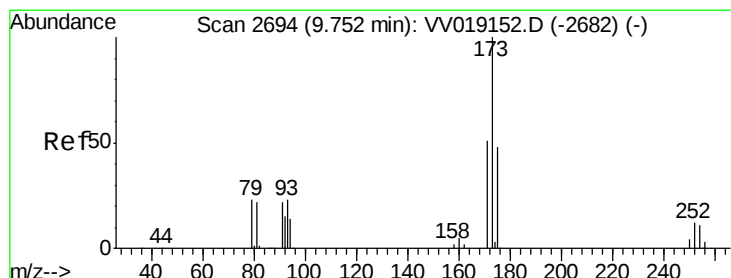
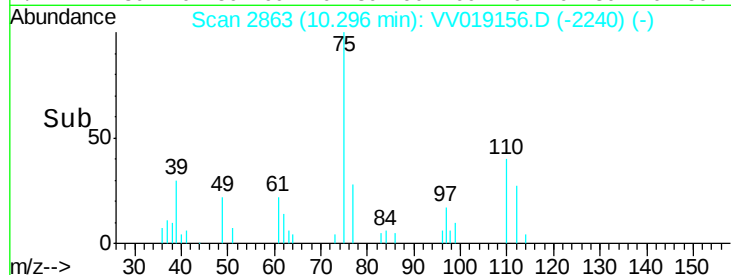
3000

2000

1000

0

Time-->



#61

Bromoform

Concen: 2.184 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

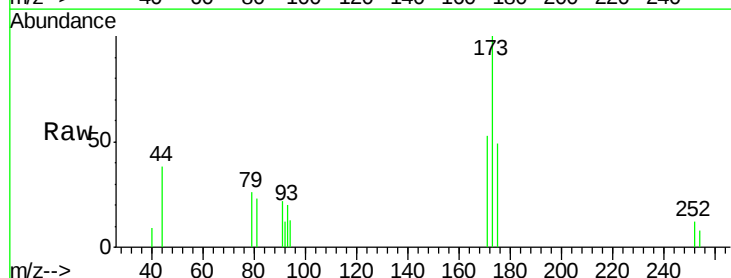
Tgt Ion: 173 Resp: 3005

Ion Ratio Lower Upper

173 100

175 45.1 39.8 59.6

254 8.0 9.7 14.5#



Abundance Ion 173.00 (172.70 to 173.70): VV019152.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019152.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019152.D (-2682) (-)

9.75

2000

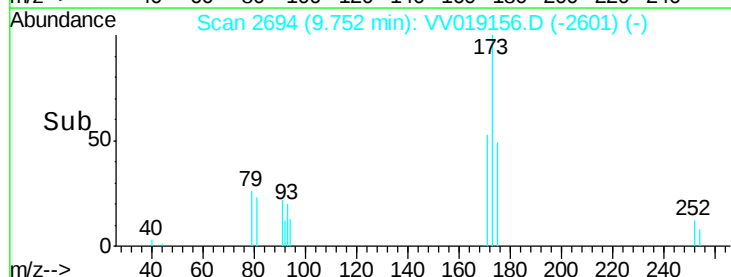
1500

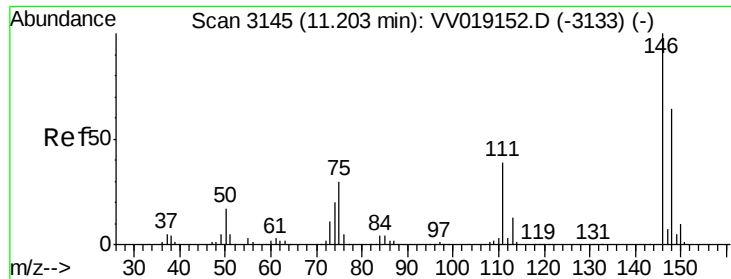
1000

500

0

Time-->





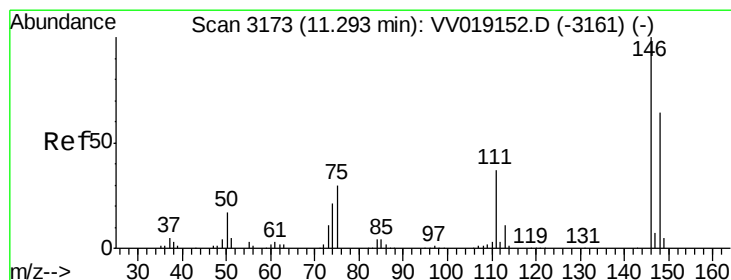
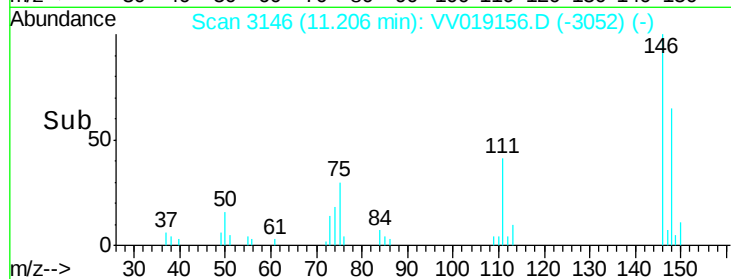
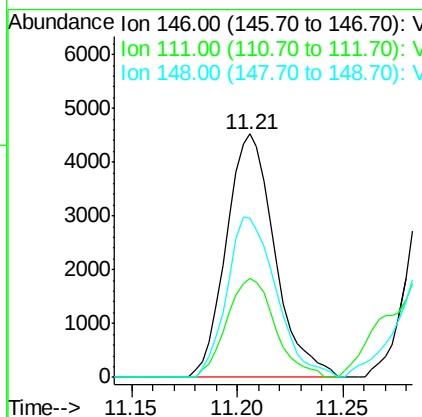
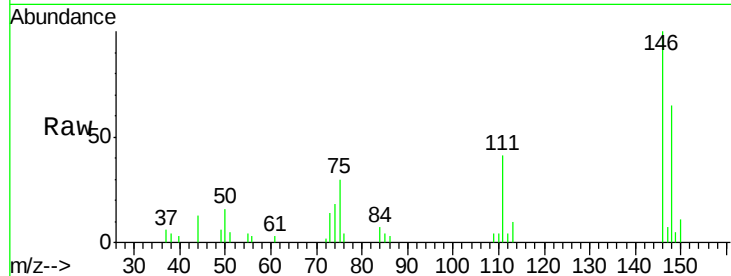
#62
 1,3-Dichlorobenzene
 Concen: 2.051 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	27.1	50.3
148	65.4	44.7	83.1

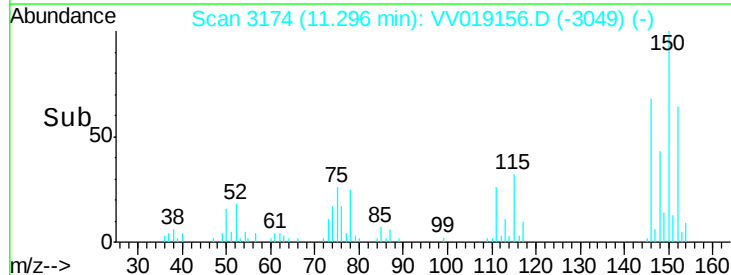
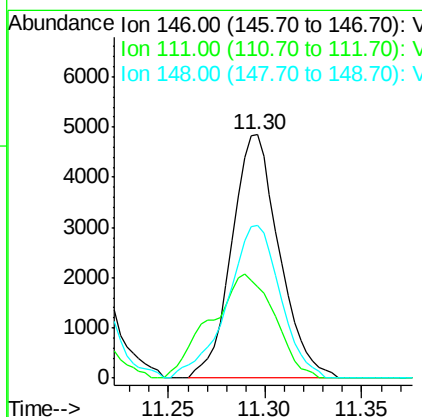
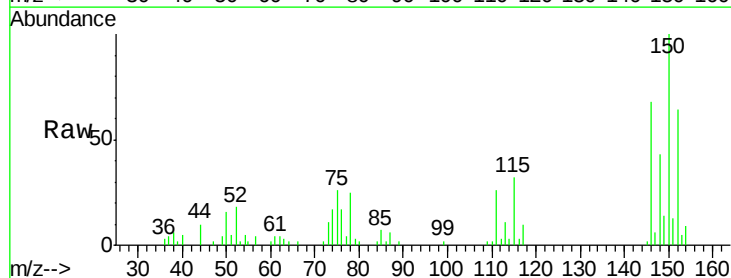
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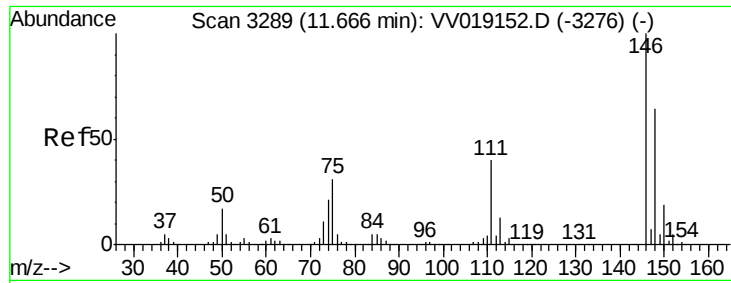
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#63
 1,4-Dichlorobenzene
 Concen: 2.258 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	25.8	48.0
148	62.9	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 2.250 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

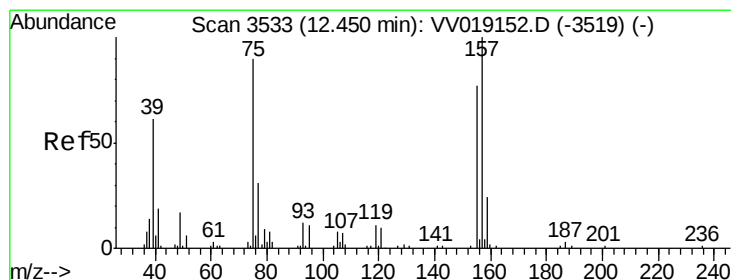
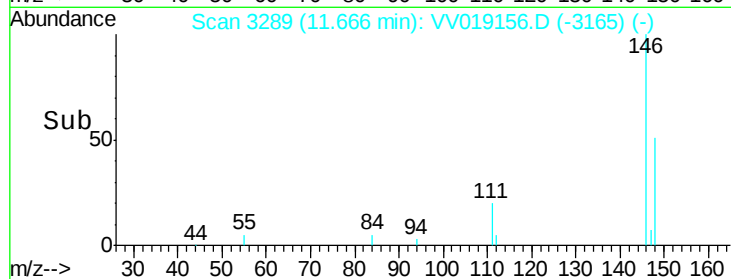
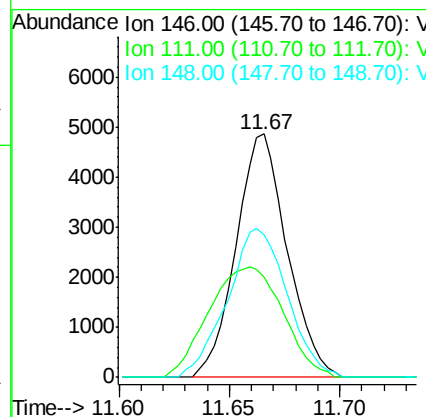
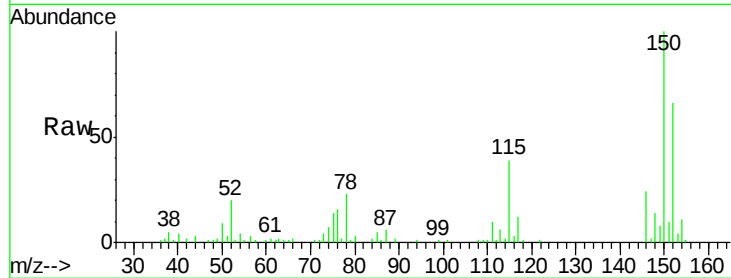
ClientSampled :

MDL02

Tot Ion:	146	Resp:	7842
Ion Ratio	Lower	Upper	
146	100		
111	41.2	32.2	48.4
148	58.6	50.8	76.2

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.833 ug/L

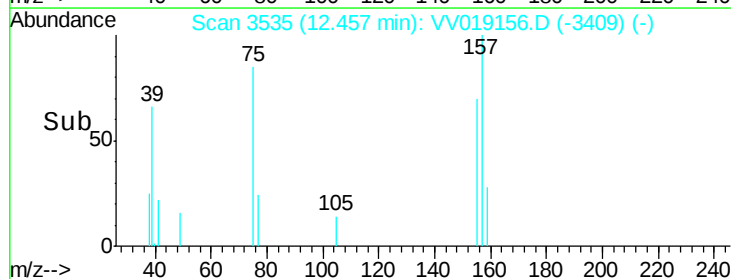
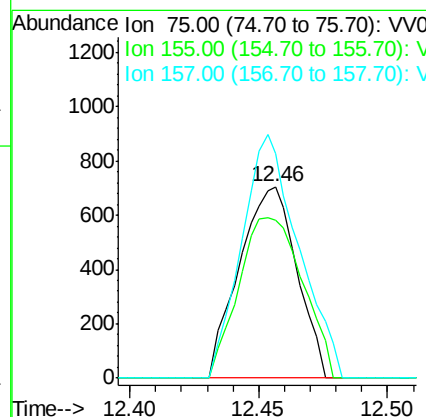
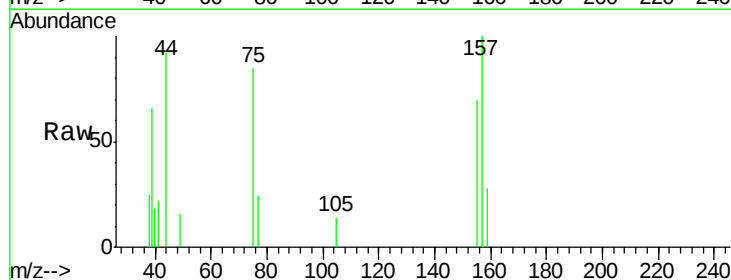
RT: 12.46 min Scan# 3535

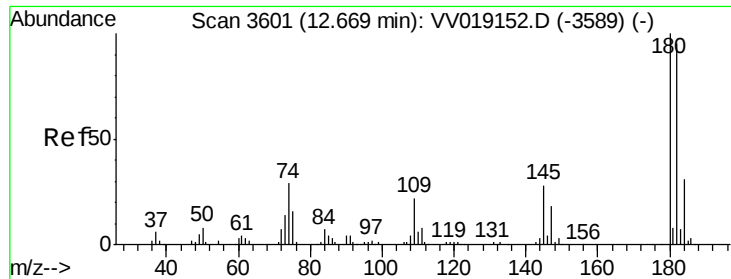
Delta R.T. 0.01 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Tgt Ion:	75	Resp:	1093
Ion Ratio	Lower	Upper	
75	100		
155	82.3	71.1	106.7
157	117.6	90.5	135.7





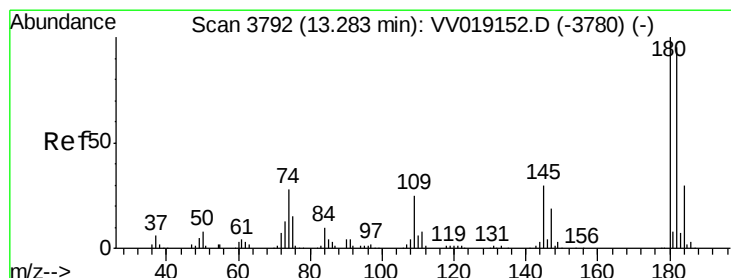
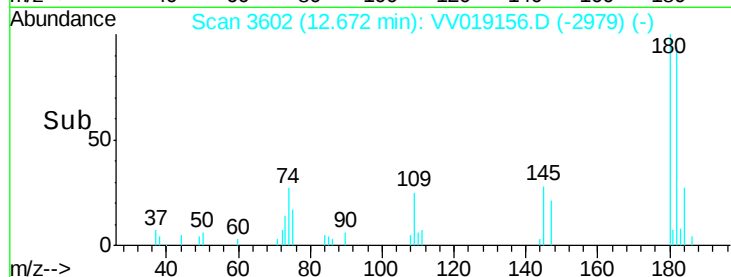
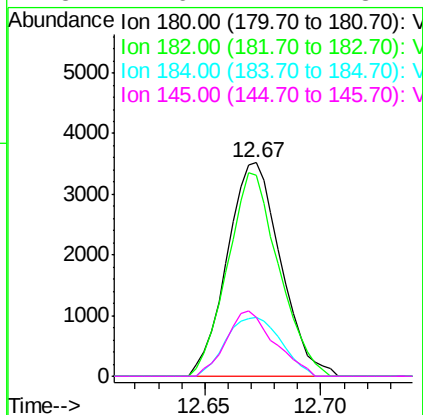
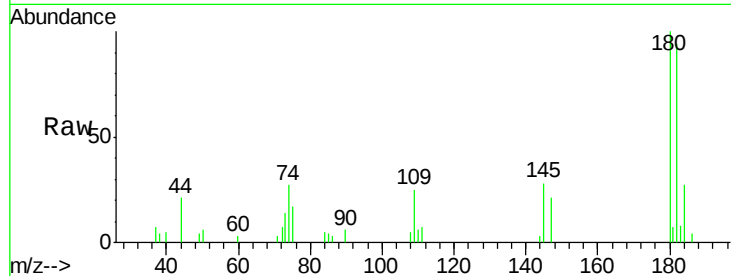
#67
 1,3,5-Trichlorobenzene
 Concen: 2.173 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.1	114.1
184	28.5	24.5	36.7
145	27.6	22.7	34.1

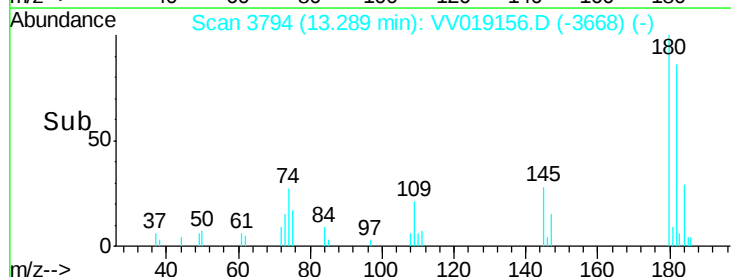
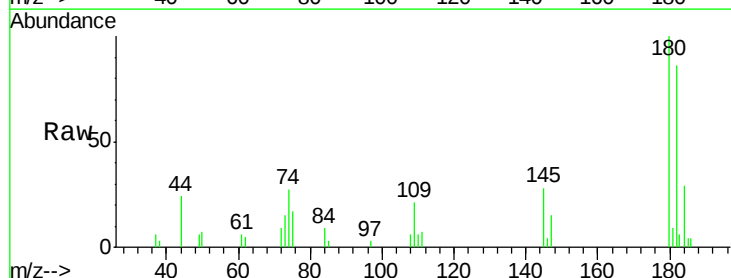
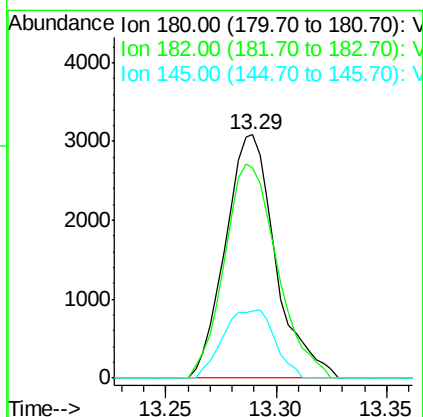
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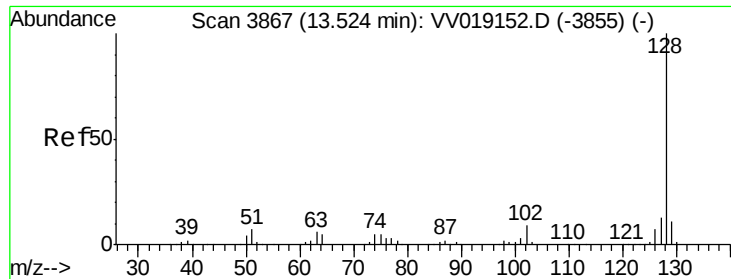
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#68
 1,2,4-trichlorobenzene
 Concen: 2.011 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	75.8	113.6
145	28.8	22.6	34.0





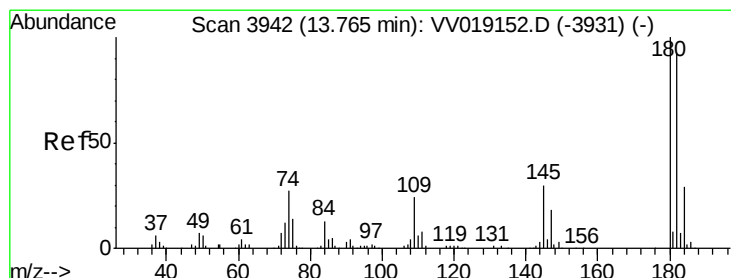
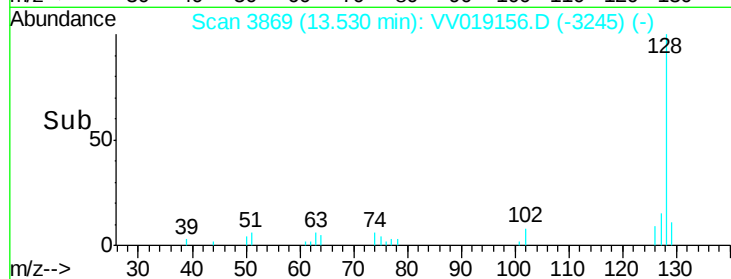
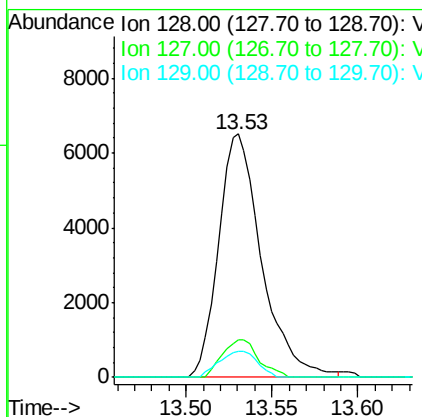
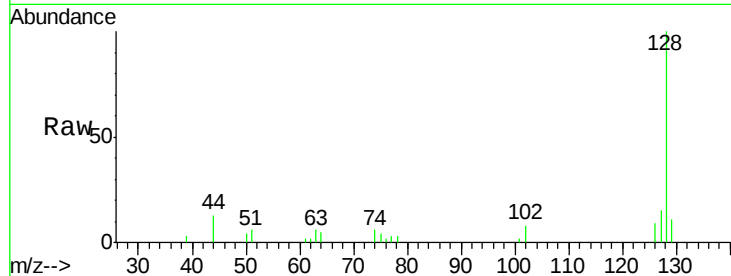
#69
Naphthalene
Concen: 1.669 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	9.5	8.6	13.0

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 1.871 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.4
145	35.8	25.1	37.7

