

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018412.D
 Acq On : 23 Sep 2020 14:27
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Quant Time: Sep 24 07:57:12 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

					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	3452	2.108 ug/L #	53

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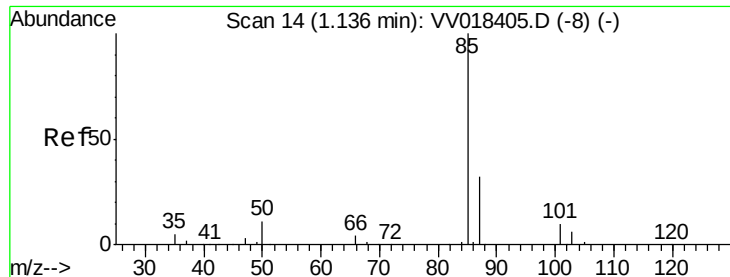
Instrument :
 MSVOA_V
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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 :

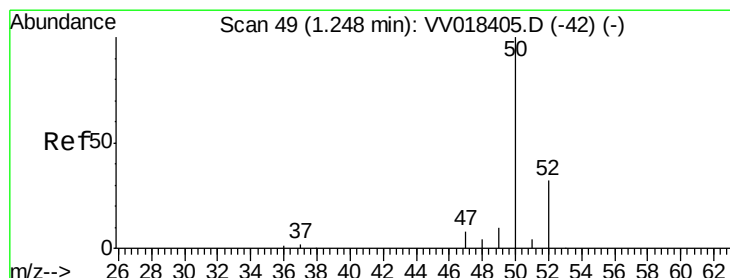
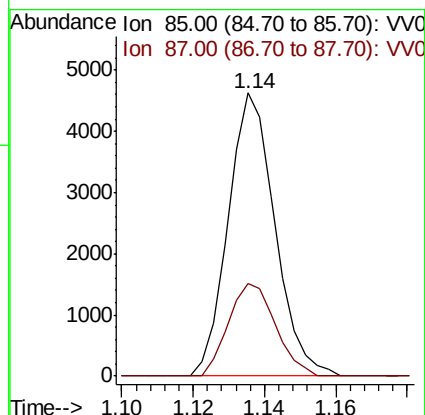
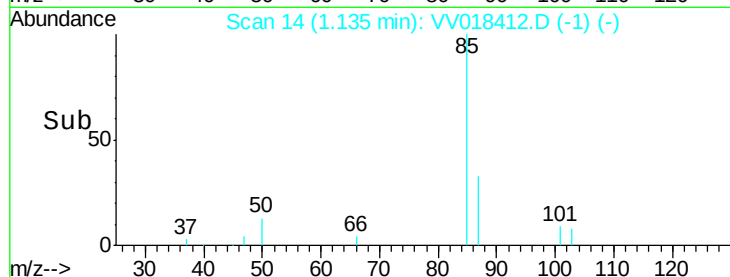
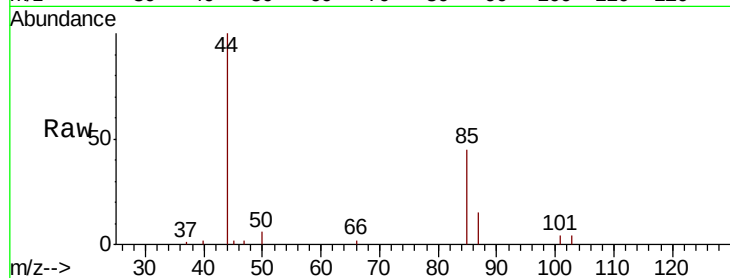
MDL01

Tot Ion: 85 Resp: 4188

Ion Ratio Lower Upper

85 100

87 33.0 25.8 38.6



#3

Chloromethane

Concen: 2.228 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018412.D

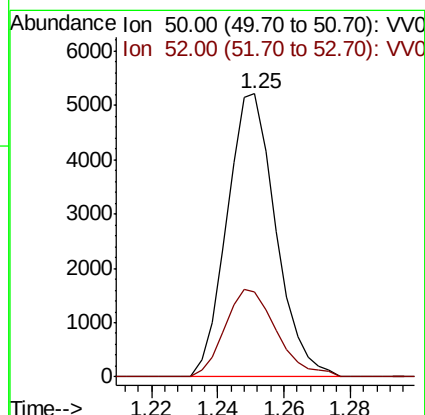
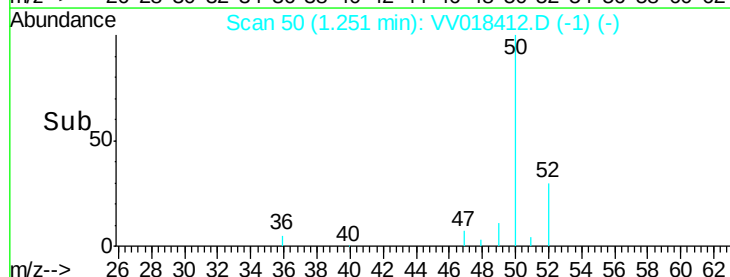
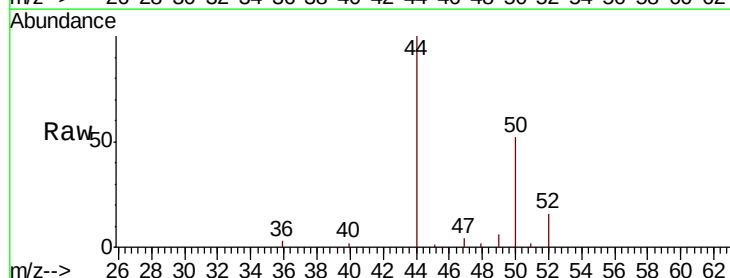
Acq: 23 Sep 2020 14:27

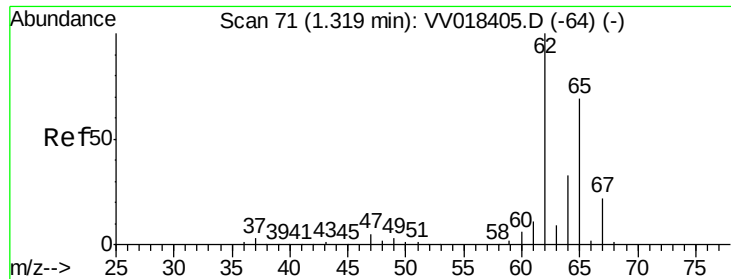
Tgt Ion: 50 Resp: 5348

Ion Ratio Lower Upper

50 100

52 29.9 22.5 41.9





#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

ClientSampled :

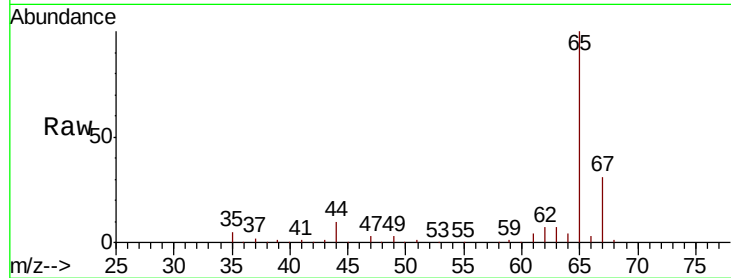
MDL01

Tot Ion: 62 Resp: 5683

Ion Ratio Lower Upper

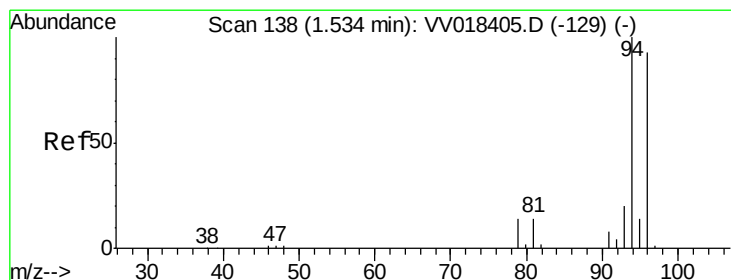
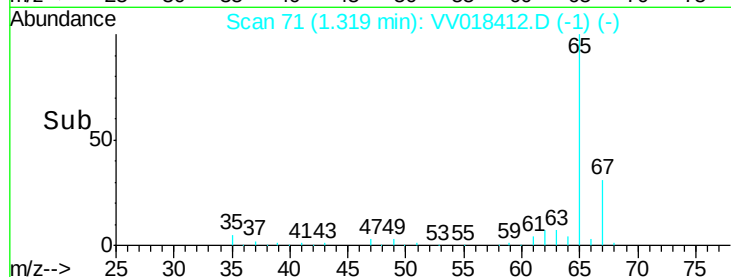
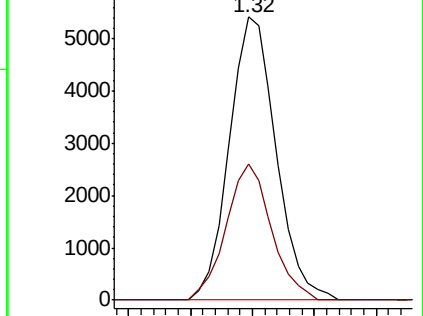
62 100

64 48.3 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.215 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018412.D

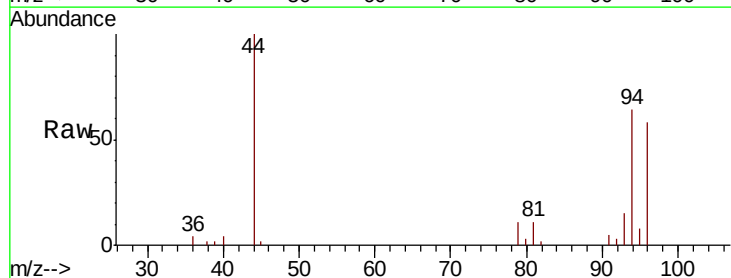
Acq: 23 Sep 2020 14:27

Tgt Ion: 94 Resp: 3458

Ion Ratio Lower Upper

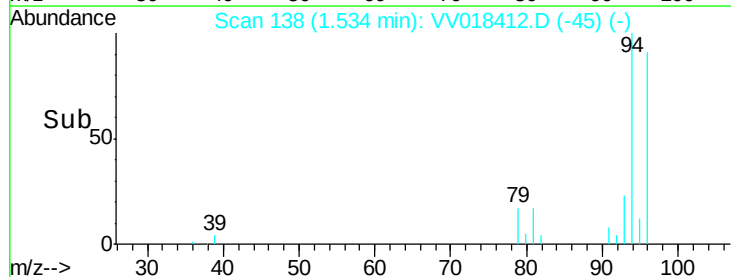
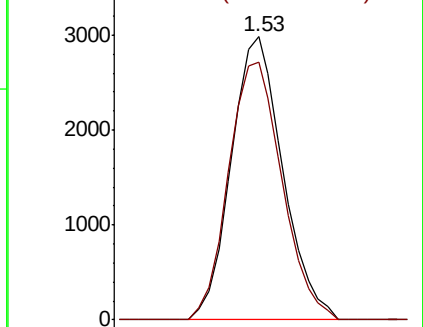
94 100

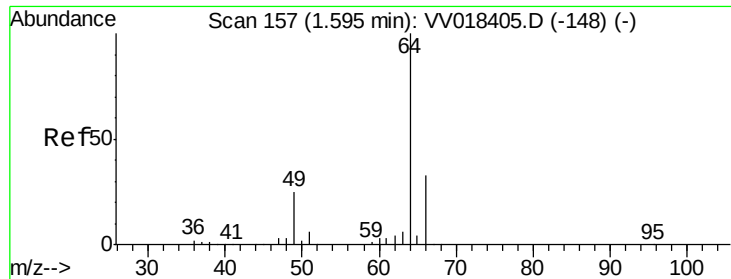
96 90.9 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

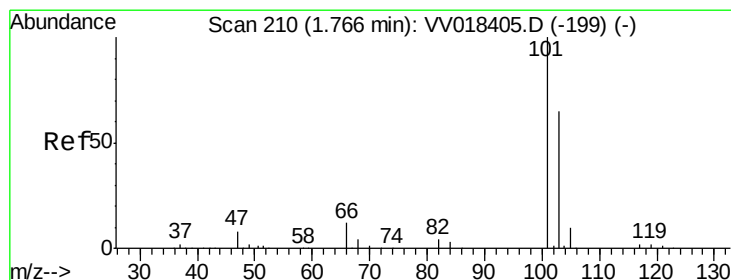
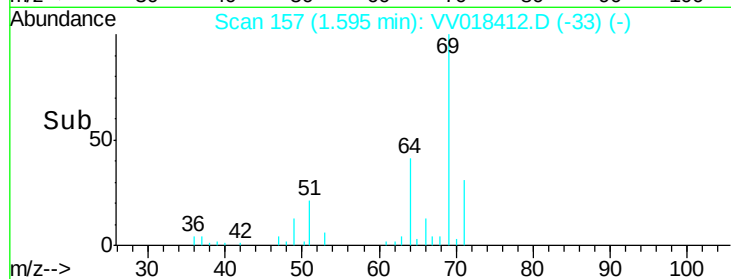
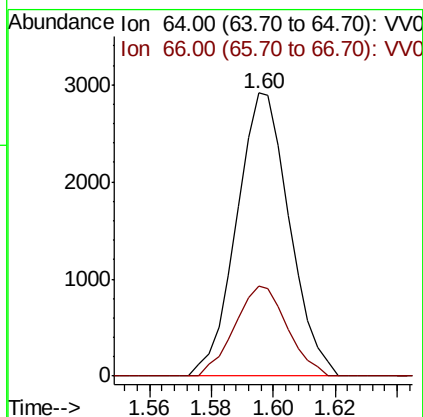
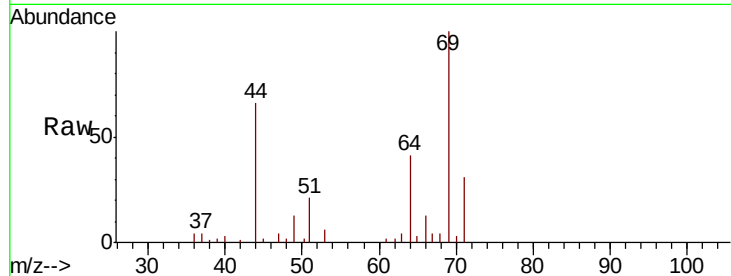




#8
 Chloroethane
 Concen: 2.192 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

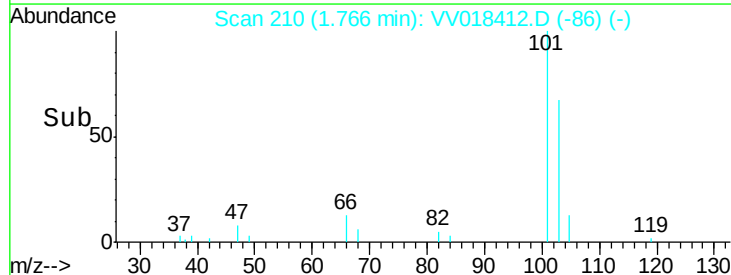
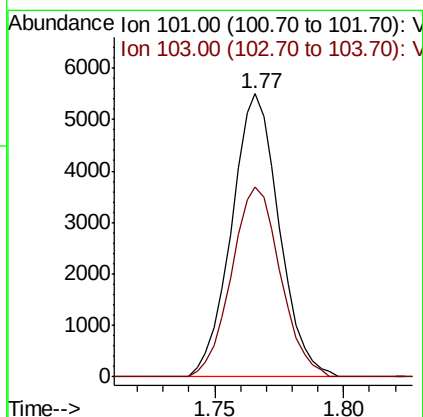
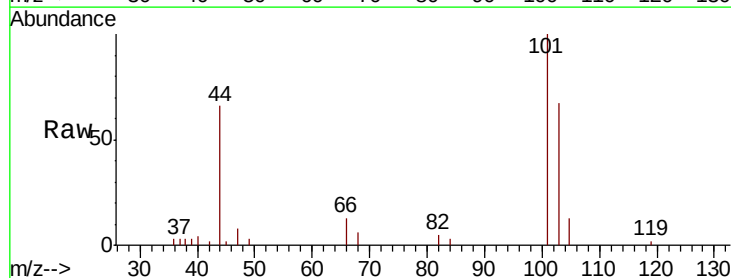
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

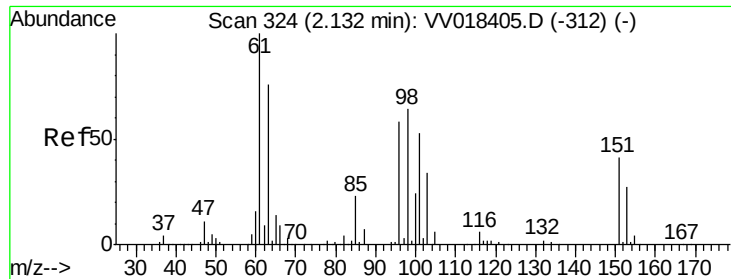
Tot Ion: 64 Resp: 3470
 Ion Ratio Lower Upper
 64 100
 66 31.8 23.0 42.6



#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

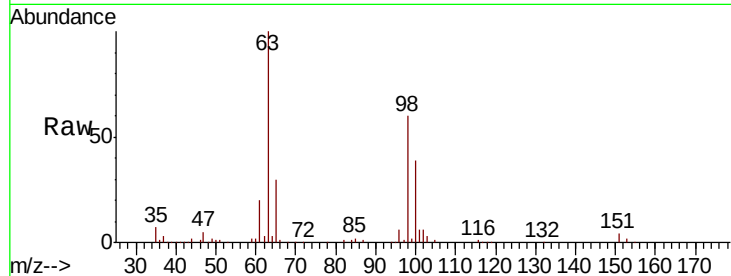
Tot Ion:101 Resp: 5390

Ion Ratio Lower Upper

101 100

85 35.5 34.6 51.8

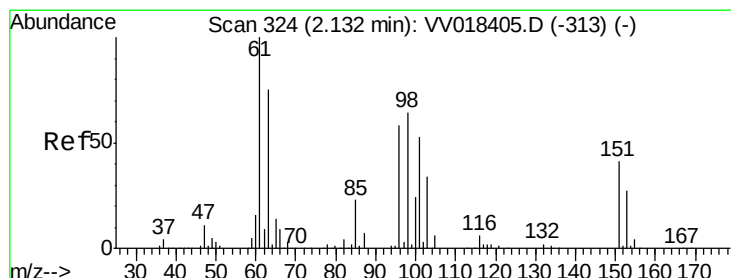
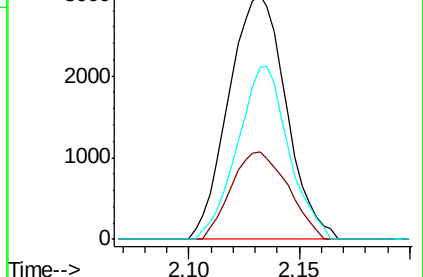
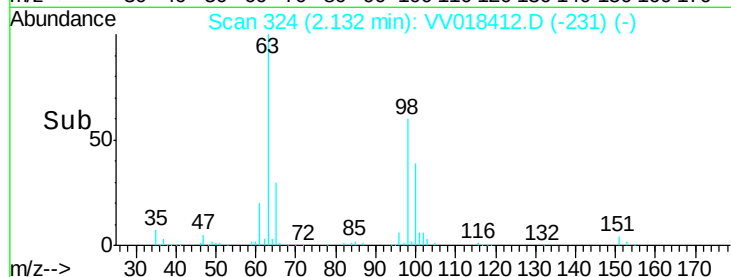
151 63.4 62.4 93.6



Abundance Ion 101.00 (100.70 to 101.70): VV018412.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018412.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018412.D (-231) (-)



#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

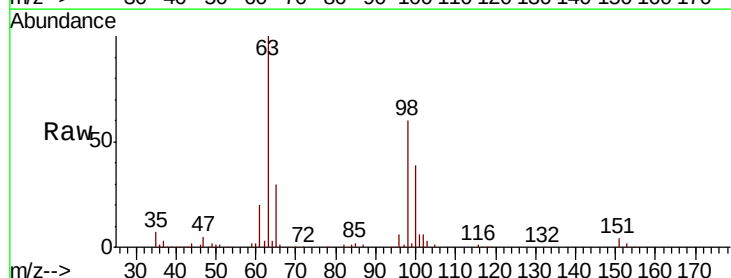
Tgt Ion: 96 Resp: 5279

Ion Ratio Lower Upper

96 100

61 323.2 121.0 224.8#

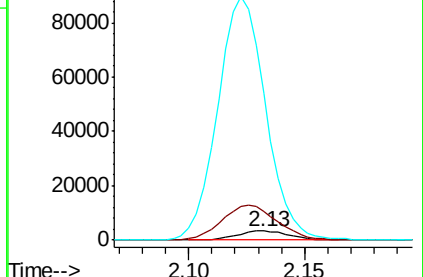
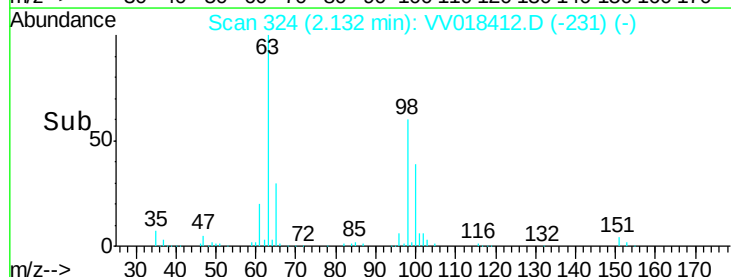
63 1623.9 93.0 172.6#

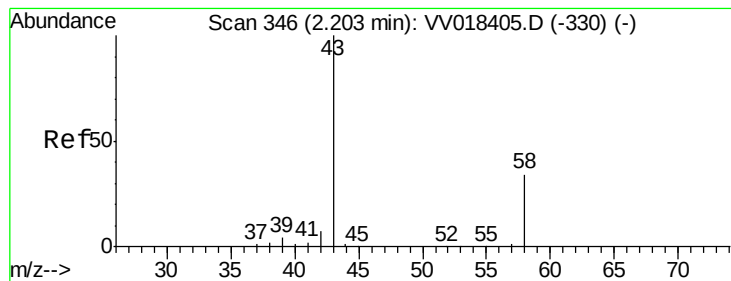


Abundance Ion 96.00 (95.70 to 96.70): VV018412.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018412.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018412.D (-231) (-)





#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 :

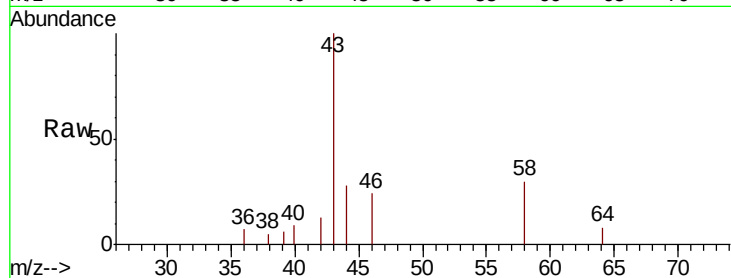
MDL01

Tot Ion: 43 Resp: 7409

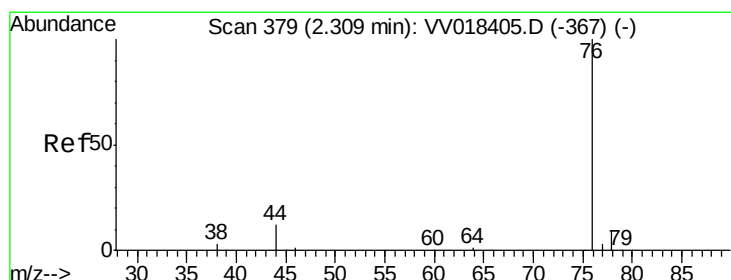
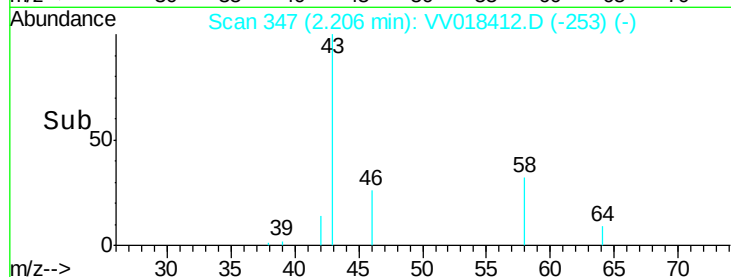
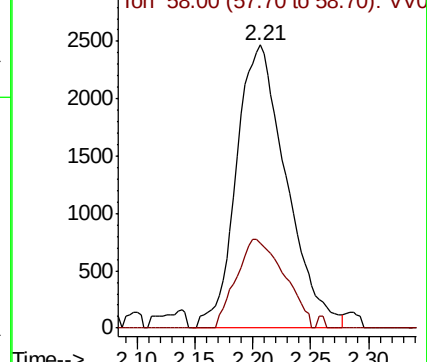
Ion Ratio Lower Upper

43 100

58 30.0 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV018412.D (-253) (-)



#14

Carbon disulfide

Concen: 2.261 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018412.D

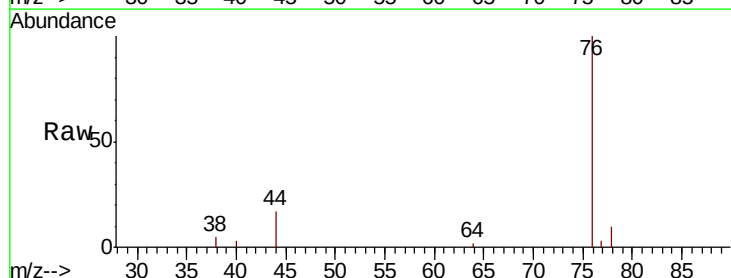
Acq: 23 Sep 2020 14:27

Tgt Ion: 76 Resp: 13075

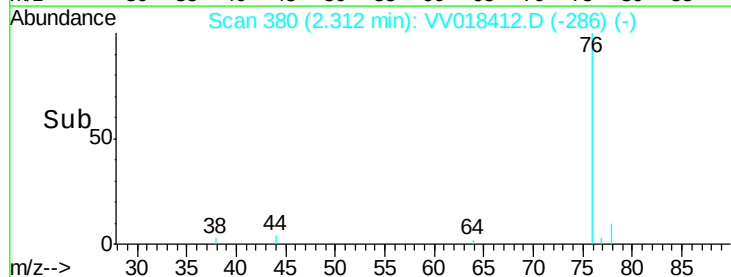
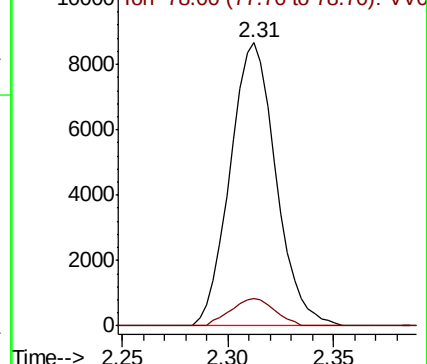
Ion Ratio Lower Upper

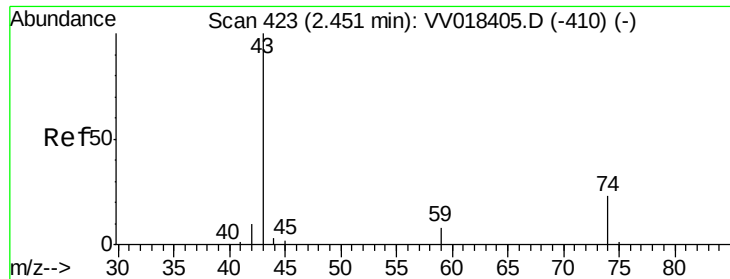
76 100

78 9.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV018412.D (-286) (-)





#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 :

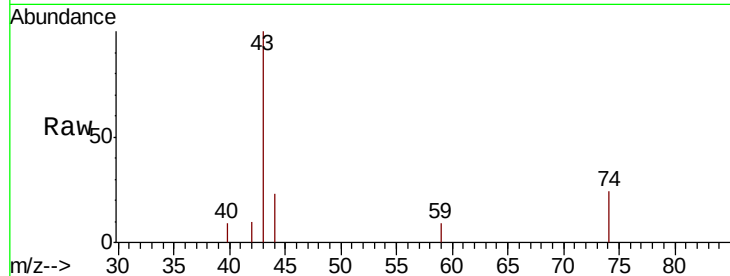
MDL01

Tot Ion: 43 Resp: 4816

Ion Ratio Lower Upper

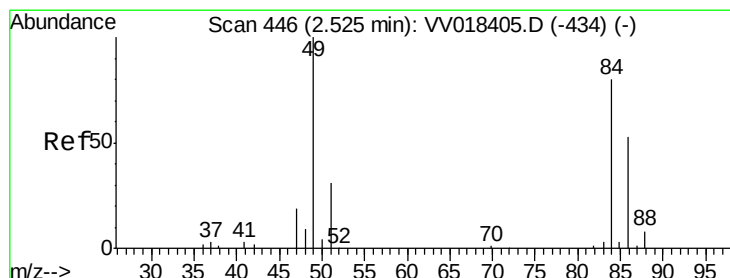
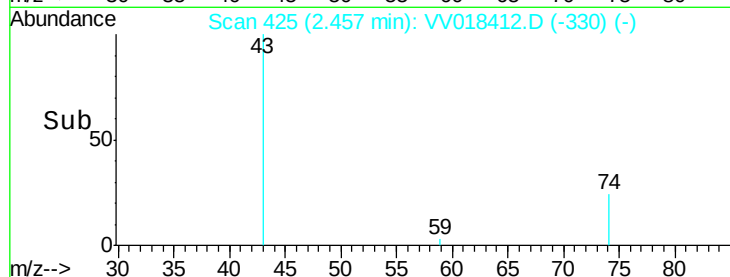
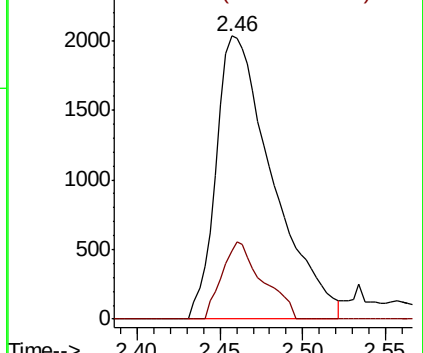
43 100

74 19.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#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

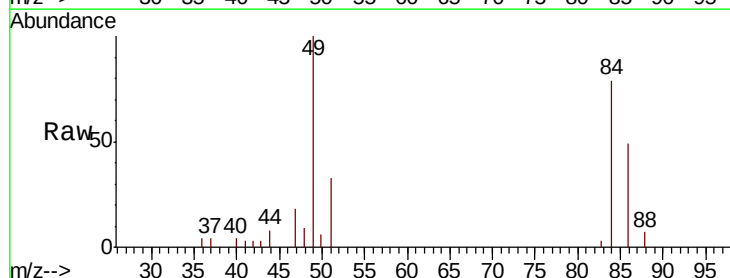
Tgt Ion: 84 Resp: 5640

Ion Ratio Lower Upper

84 100

86 61.4 46.0 85.4

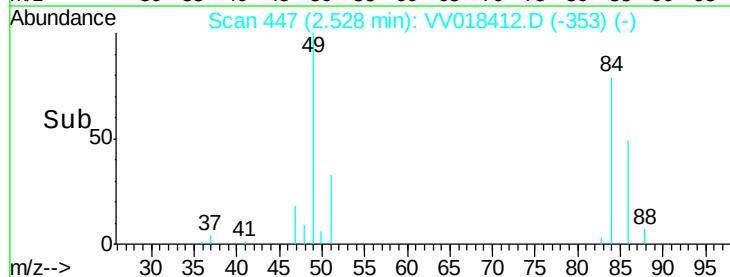
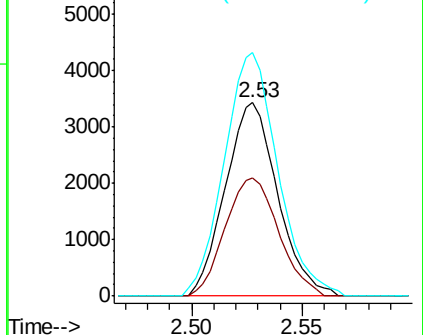
49 126.0 87.5 162.5

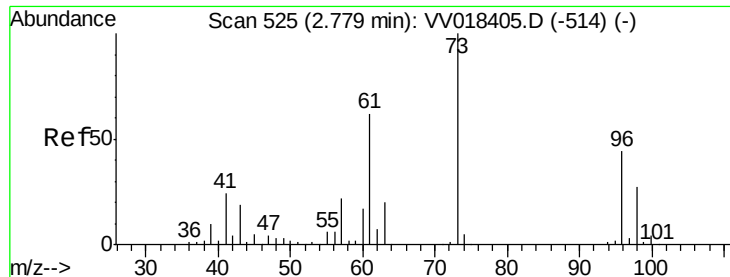


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#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 :

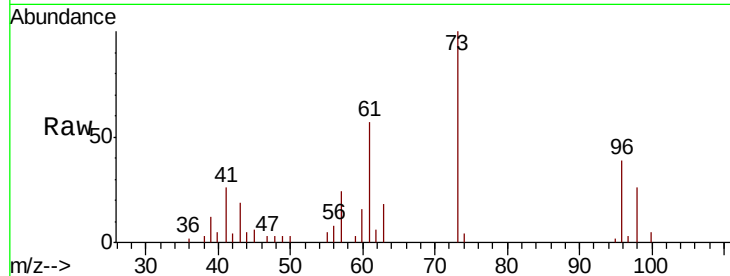
MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 96 Resp: 4257

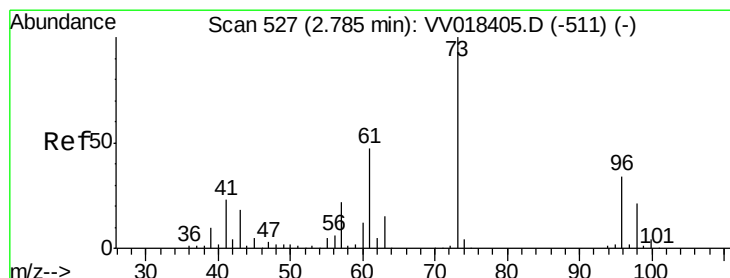
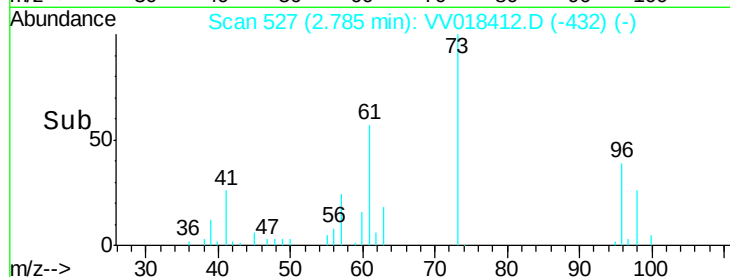
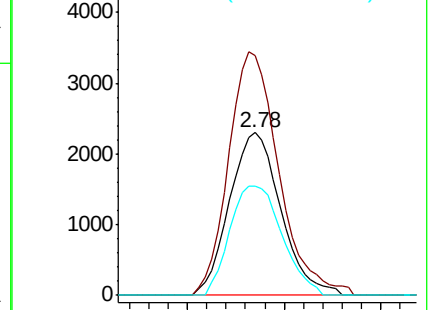
Ion	Ratio	Lower	Upper
96	100		
61	147.6	98.3	182.5
98	67.2	43.5	80.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.100 ug/L

RT: 2.79 min Scan# 529

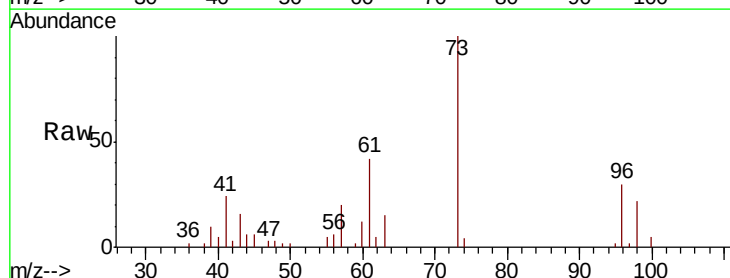
Delta R.T. 0.01 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tgt Ion: 73 Resp: 13453

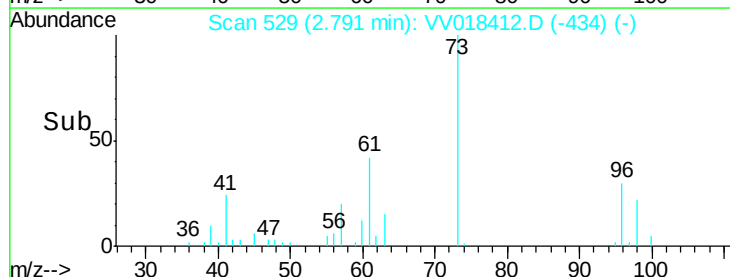
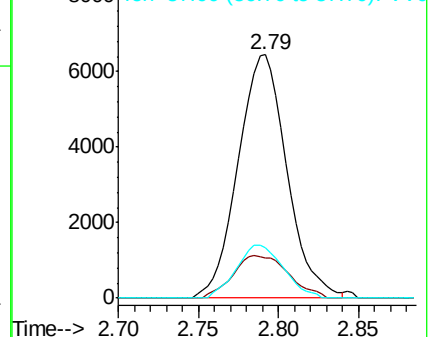
Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.4	23.2
57	21.2	17.8	26.6

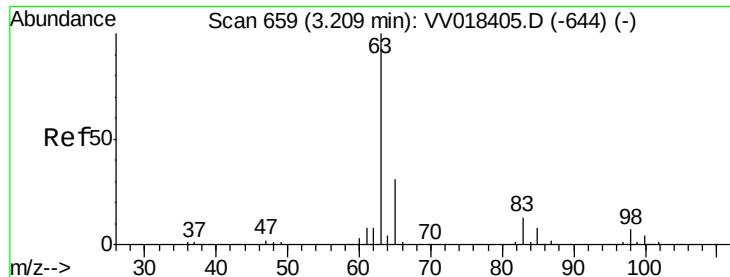


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

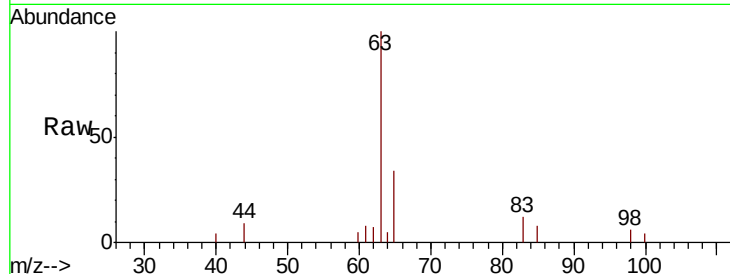




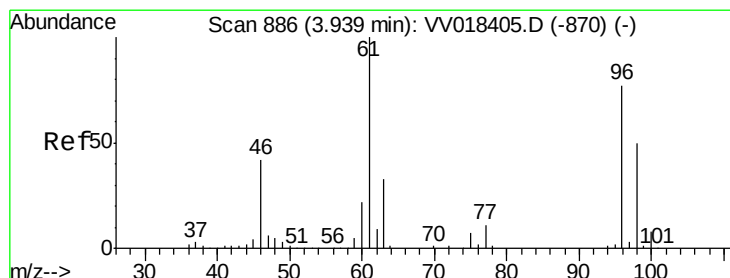
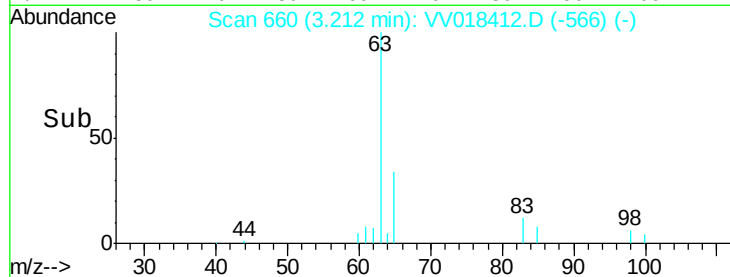
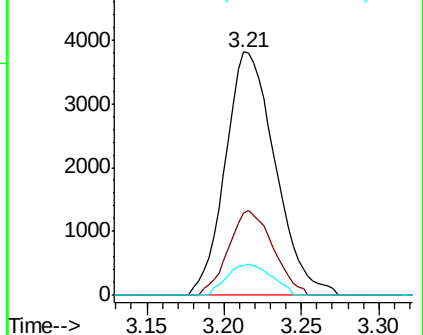
#19
 1,1-Dichloroethane
 Concen: 2.137 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

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

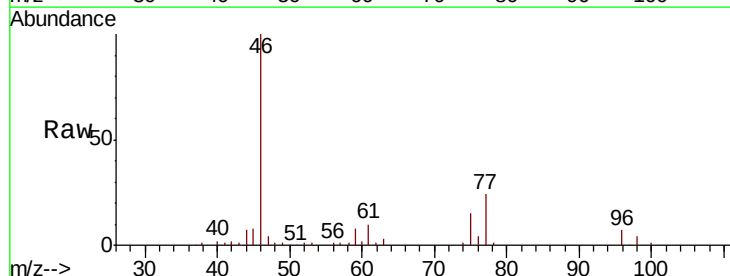


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

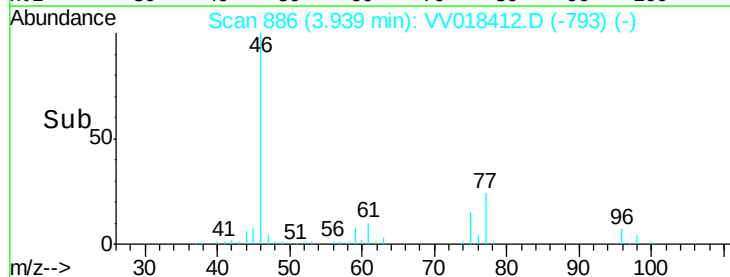
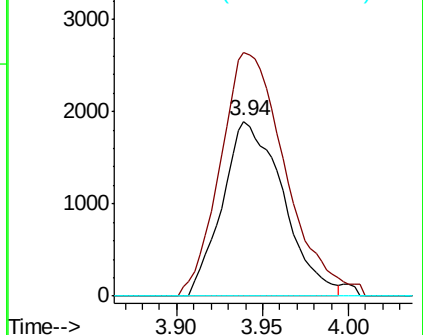


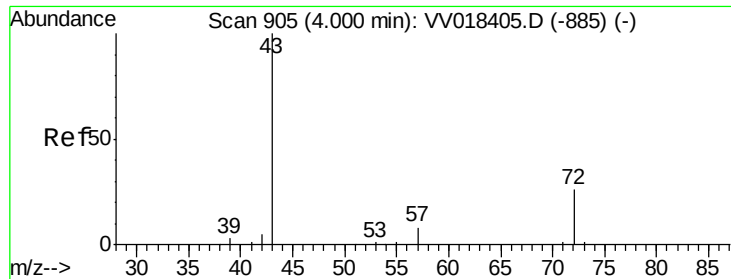
#20
 cis-1,2-Dichloroethene
 Concen: 2.095 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

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



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 2.108 ug/L

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 :

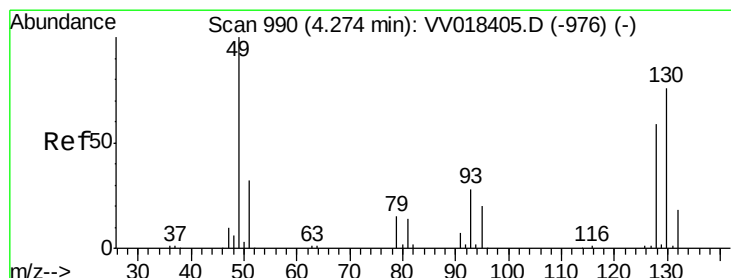
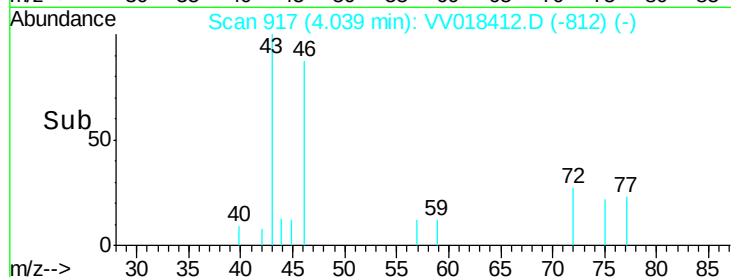
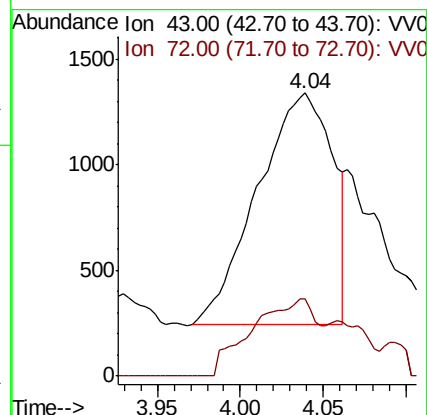
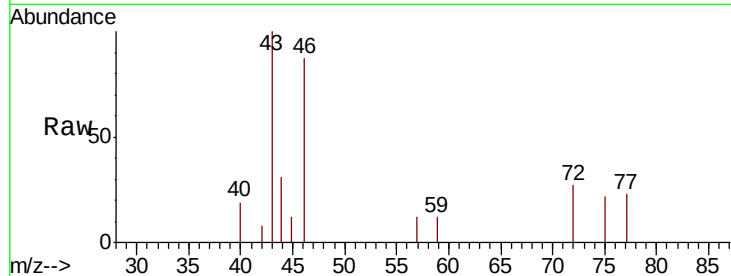
MDL01

Tot Ion: 43 Resp: 3452

Ion Ratio Lower Upper

43 100

72 1.5 12.8 38.3#



#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

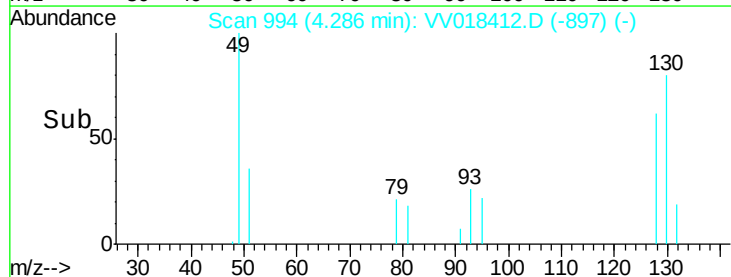
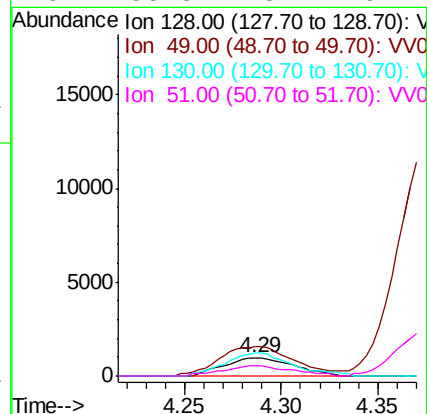
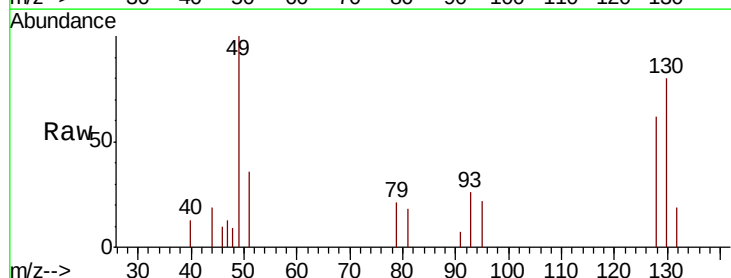
Ion Ratio Lower Upper

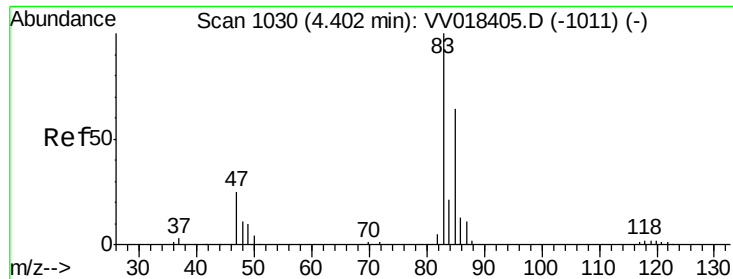
128 100

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 :

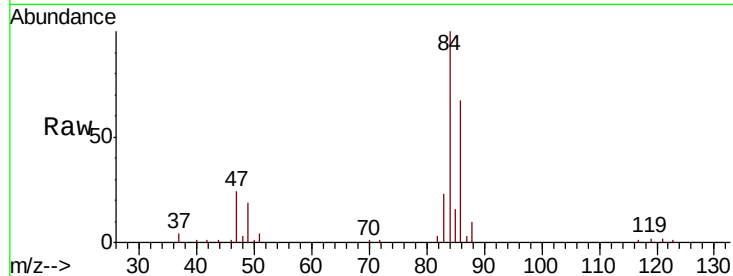
MDL01

Tot Ion: 83 Resp: 10450

Ion Ratio Lower Upper

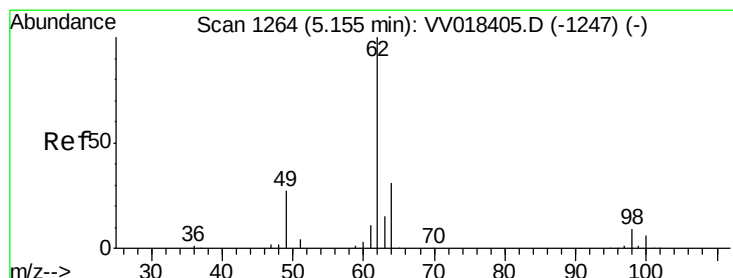
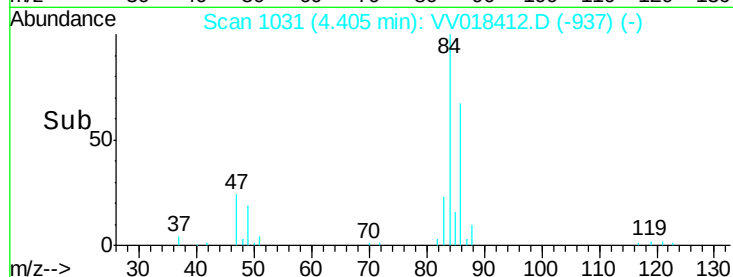
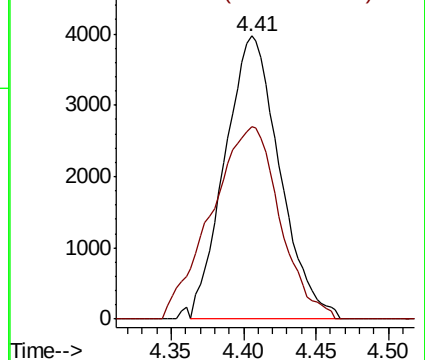
83 100

85 67.9 45.2 84.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#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

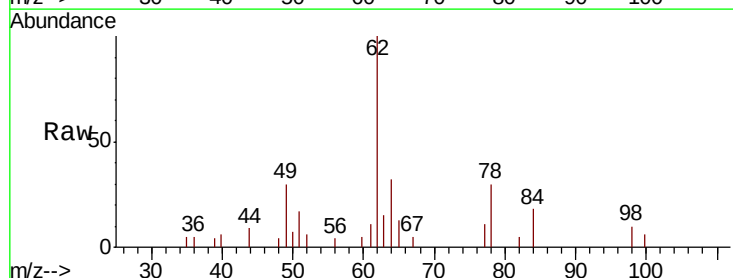
Acq: 23 Sep 2020 14:27

Tgt Ion: 62 Resp: 6932

Ion Ratio Lower Upper

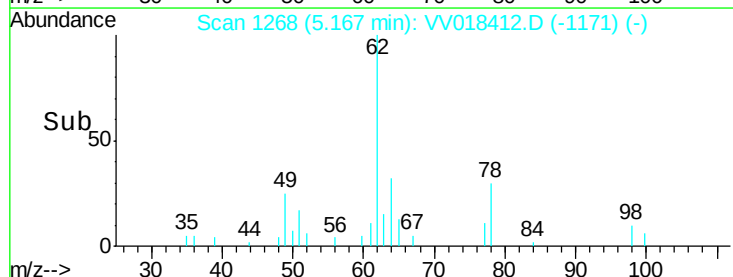
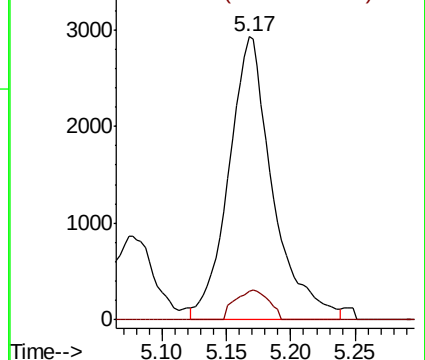
62 100

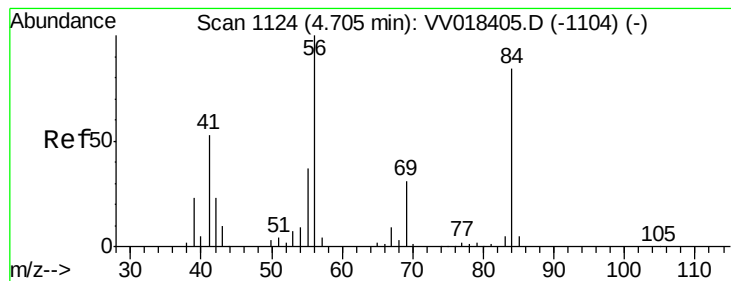
98 10.0 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#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

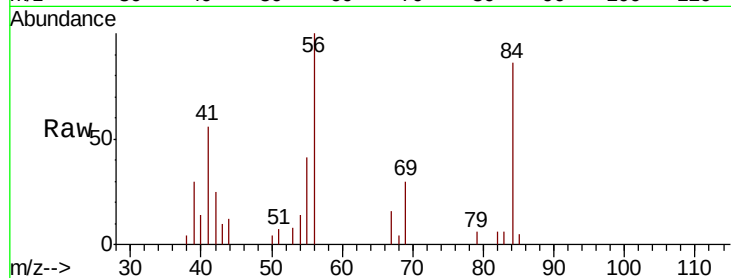
Tot Ion: 56 Resp: 6563

Ion Ratio Lower Upper

56 100

69 31.1 24.4 36.6

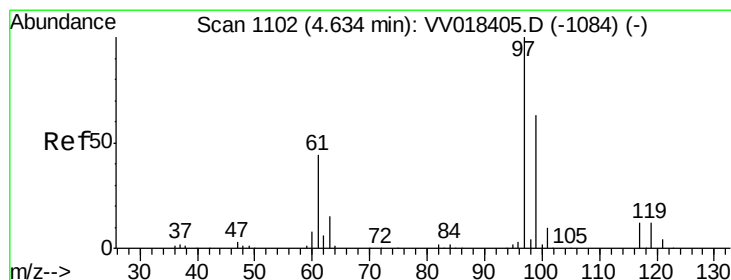
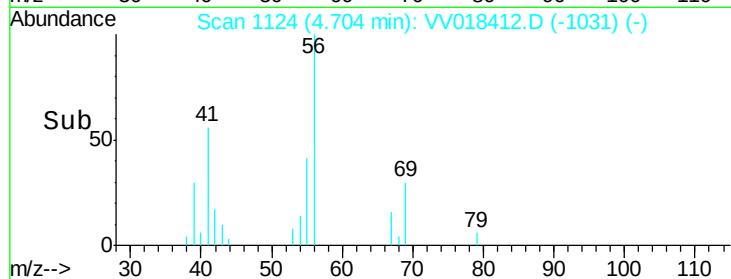
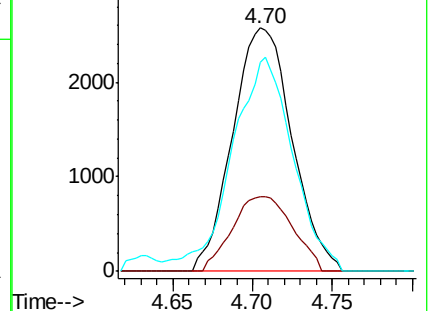
84 90.5 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 2.102 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

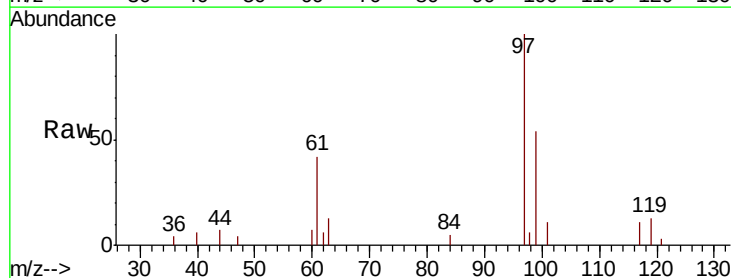
Tgt Ion: 97 Resp: 7502

Ion Ratio Lower Upper

97 100

99 61.7 50.7 76.1

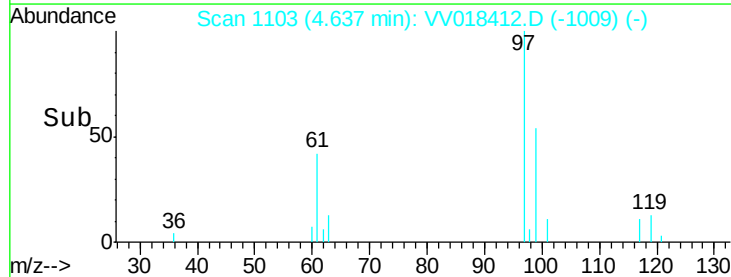
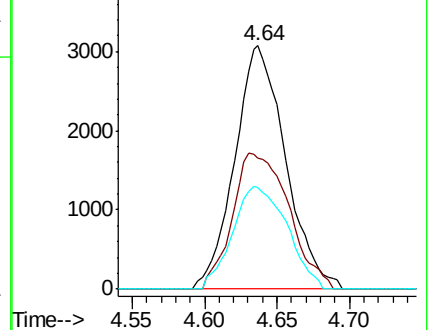
61 45.0 35.0 52.6

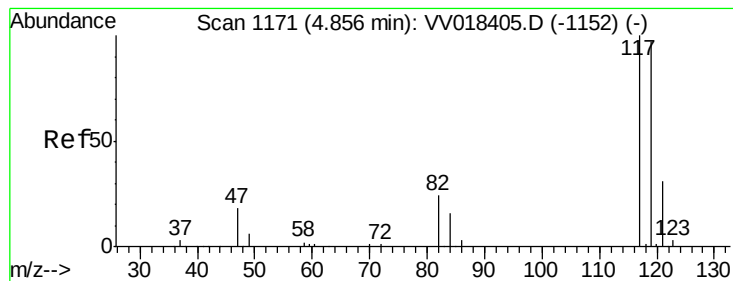


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 2.071 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 :

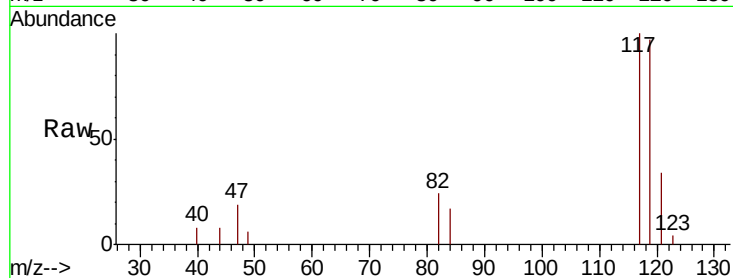
MDL01

Tot Ion:117 Resp: 6443

Ion Ratio Lower Upper

117 100

119 92.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

2500

2000

1500

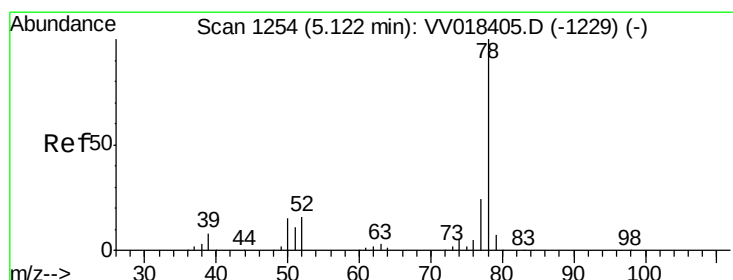
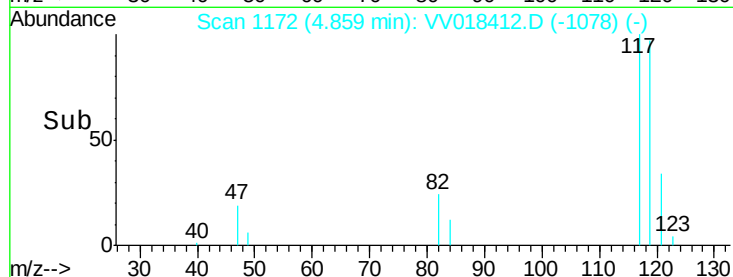
1000

500

0

Time-->

4.80 4.85 4.90



#33

Benzene

Concen: 2.247 ug/L

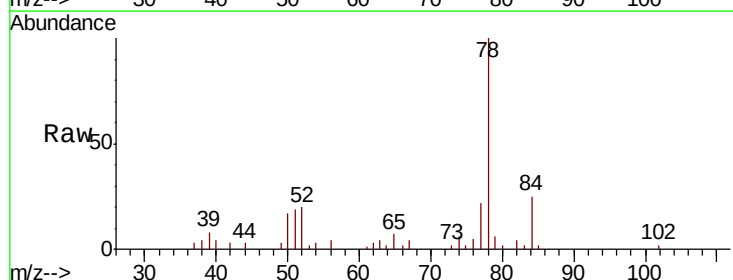
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV018412.D

Acq: 23 Sep 2020 14:27

Tgt Ion: 78 Resp: 19533



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

8000

6000

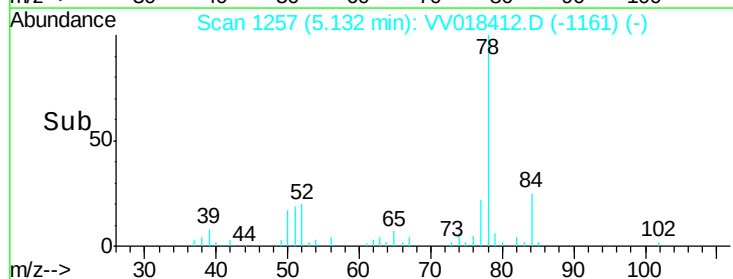
4000

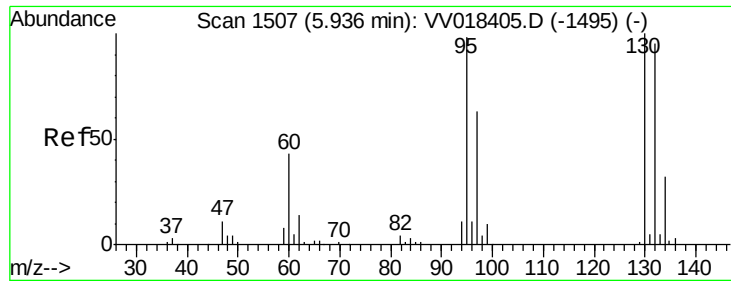
2000

0

Time-->

5.05 5.10 5.15 5.20





#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

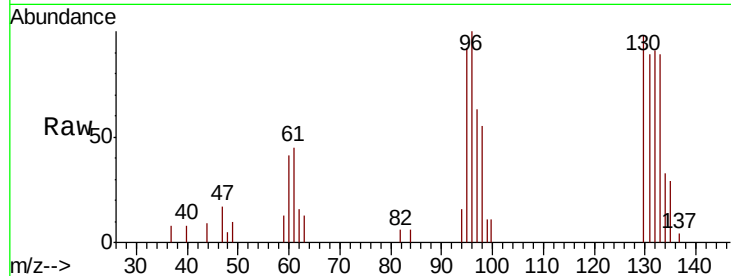
Ion Ratio Lower Upper

95 100

97 68.4 44.7 83.1

132 98.4 67.8 126.0

130 106.3 71.5 132.7

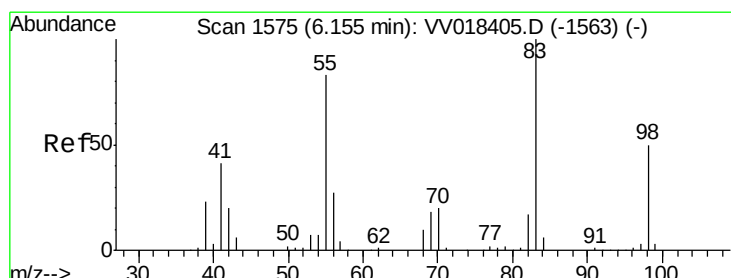
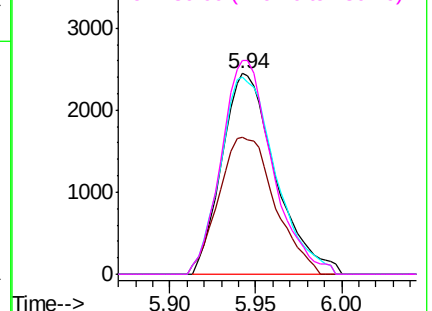
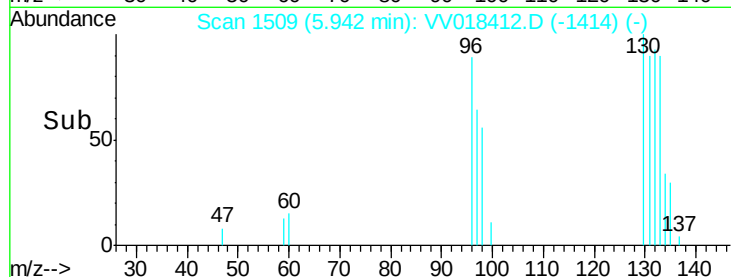


Abundance Ion 95.00 (94.70 to 95.70): VV018412.D (-1414) (-)

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

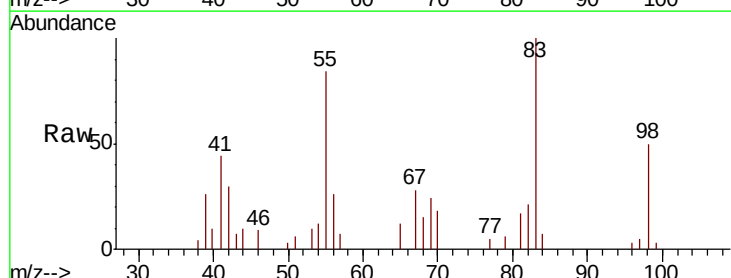
Tgt Ion: 83 Resp: 6361

Ion Ratio Lower Upper

83 100

55 84.6 63.6 95.4

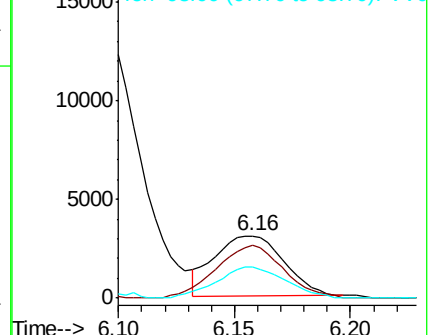
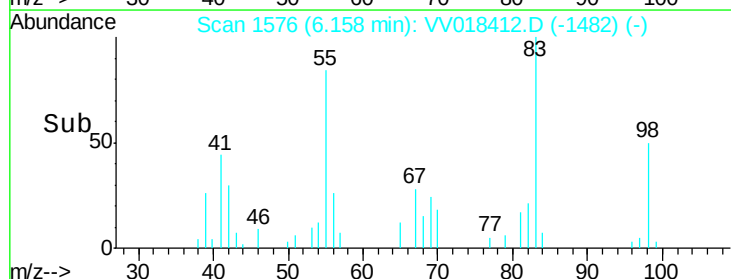
98 51.1 38.6 58.0

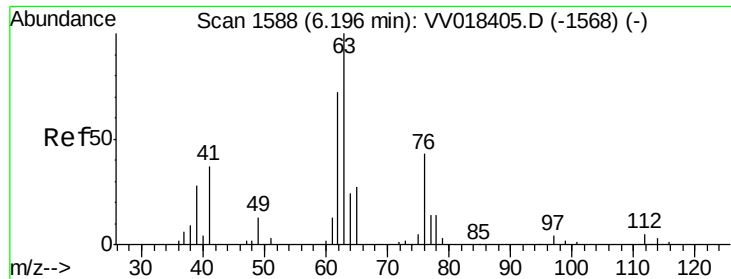


Abundance Ion 83.00 (82.70 to 83.70): VV018412.D (-1482) (-)

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

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

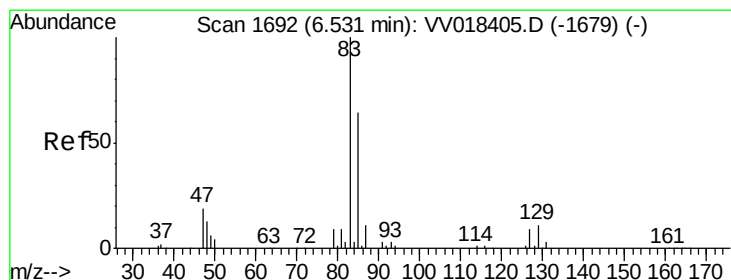
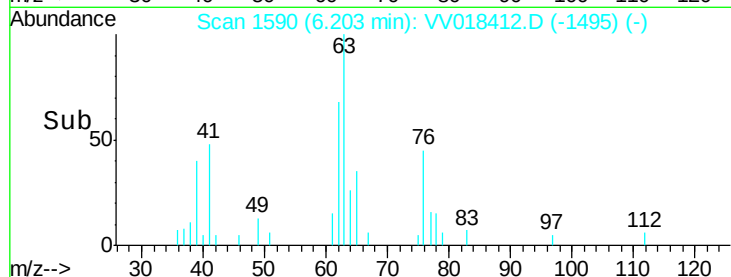
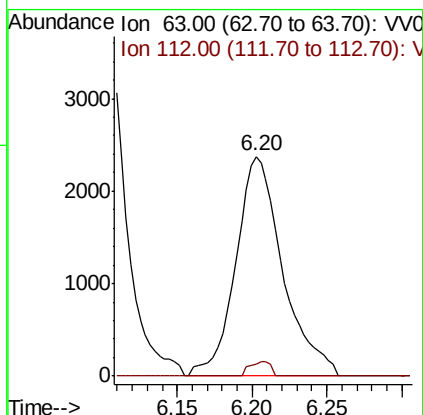
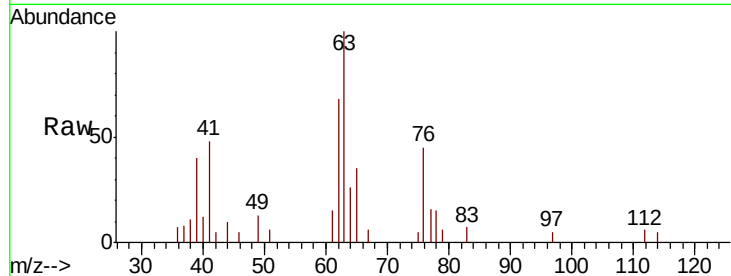




#37
 1,2-Dichloropropane
 Concen: 2.256 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

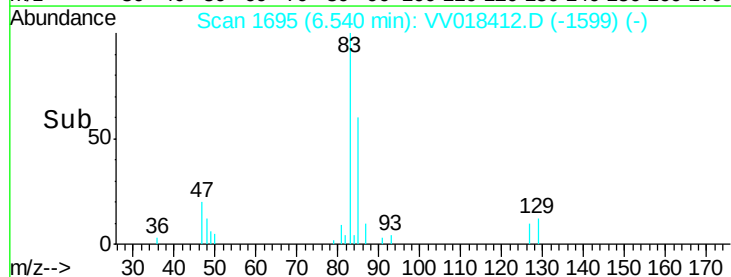
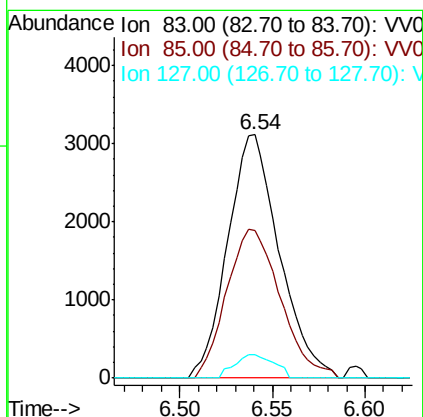
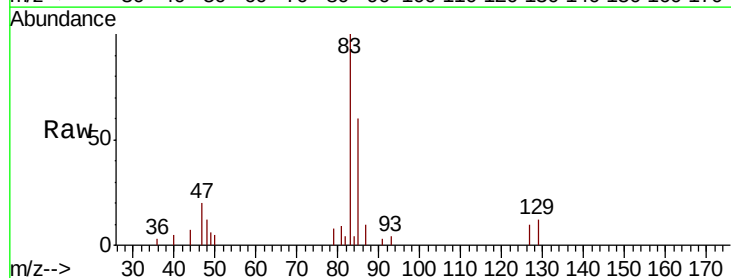
Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

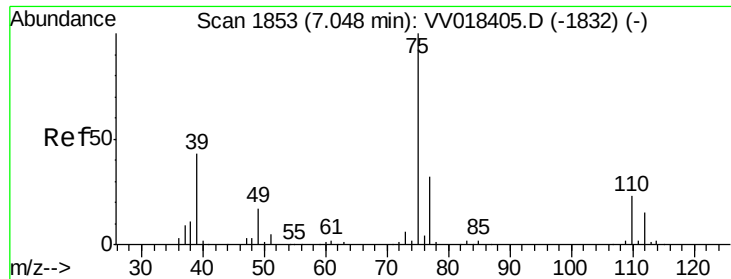
Tot Ion: 63 Resp: 5184
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.7 5.5#



#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

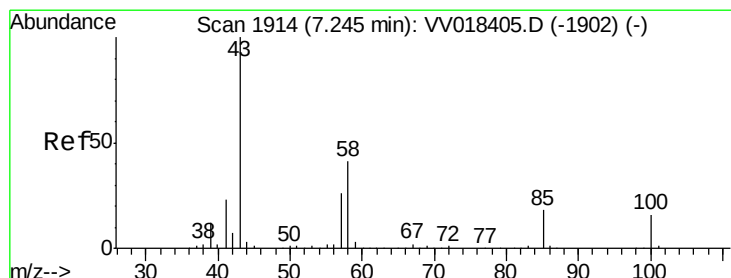
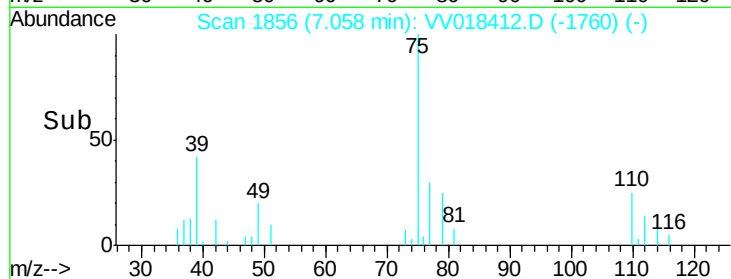
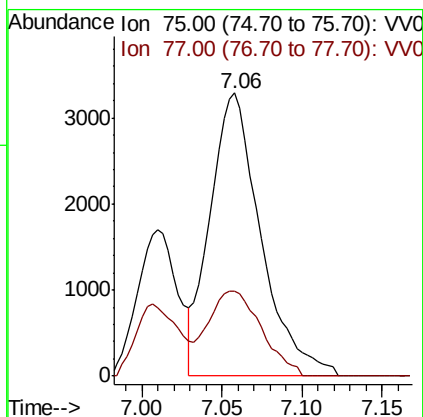
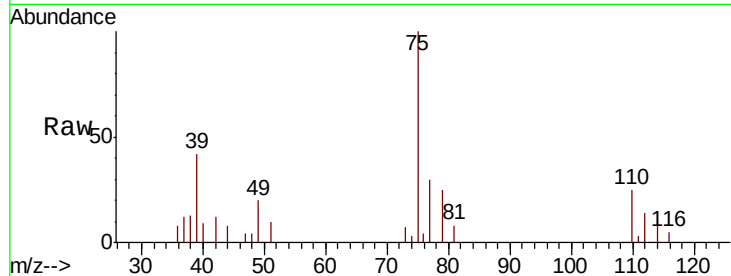




#39
 cis-1,3-Dichloropropene
 Concen: 2.091 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

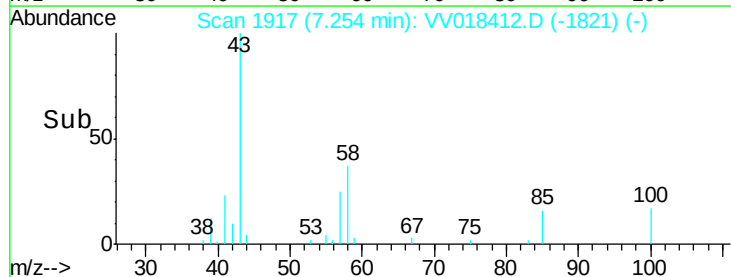
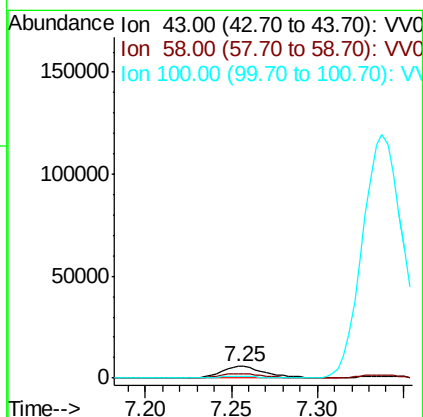
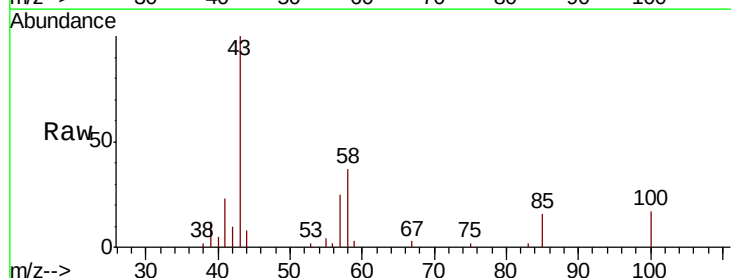
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

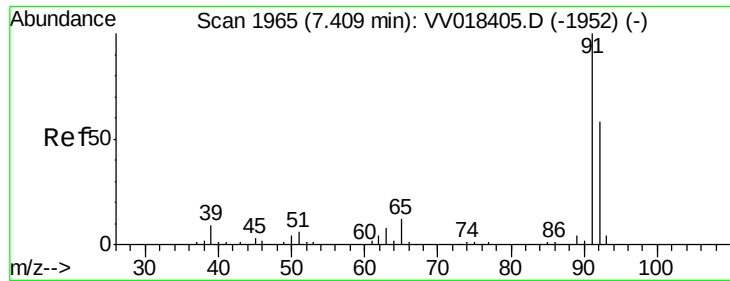
Tot Ion: 75 Resp: 7208
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.7 42.1



#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 :

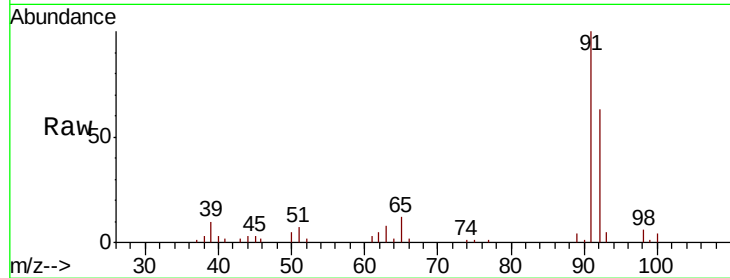
MDL01

Tot Ion: 91 Resp: 19477

Ion Ratio Lower Upper

91 100

92 63.5 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV018412.D (-1953) (-)

Ion 92.00 (91.70 to 92.70): VV018412.D (-1953) (-)

7.41

10000

8000

6000

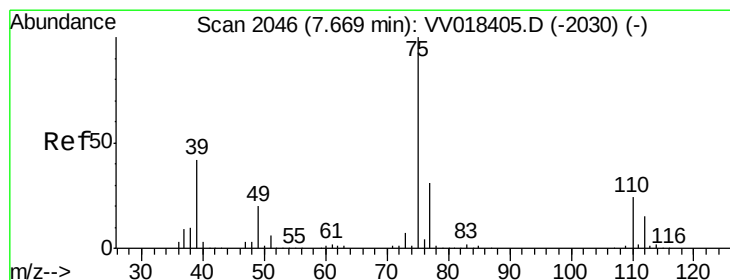
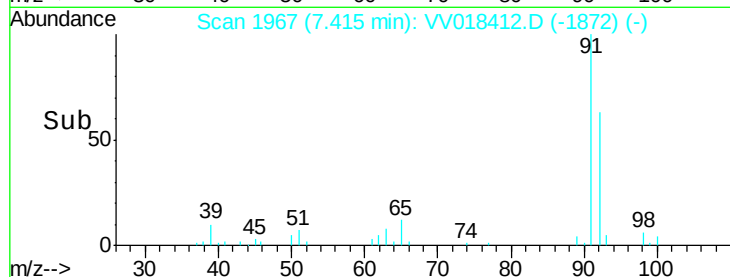
4000

2000

0

Time-->

7.35 7.40 7.45 7.50



#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

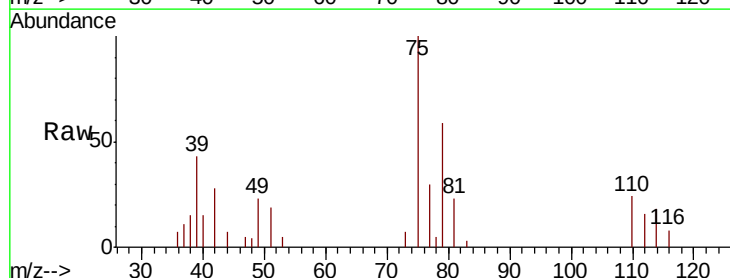
Acq: 23 Sep 2020 14:27

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): VV018412.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV018412.D (-1953) (-)

7.68

4000

3000

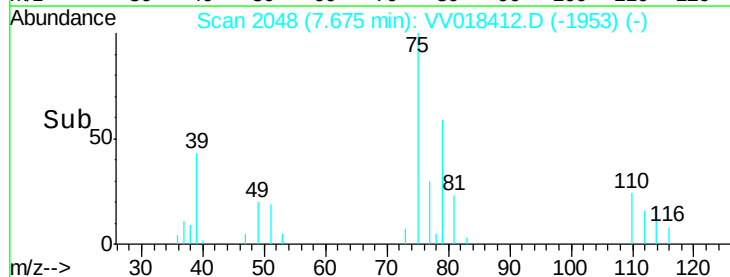
2000

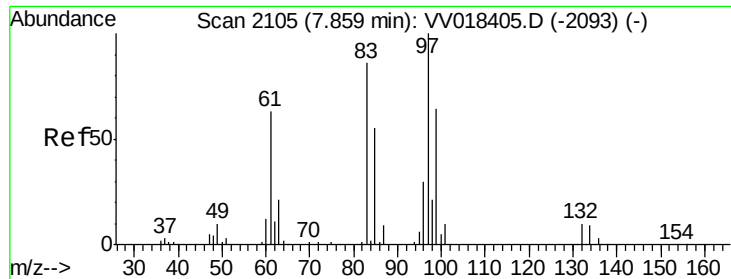
1000

0

Time-->

7.65 7.70 7.75

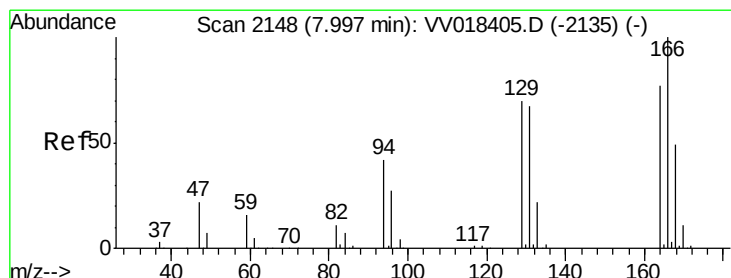
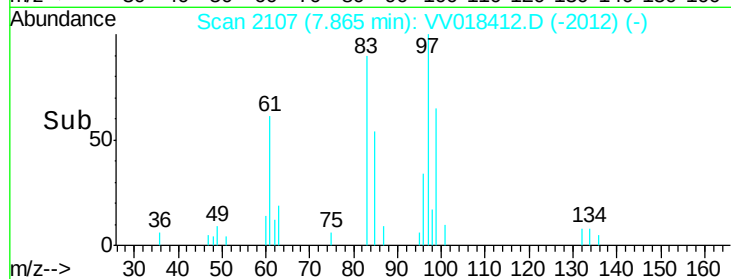
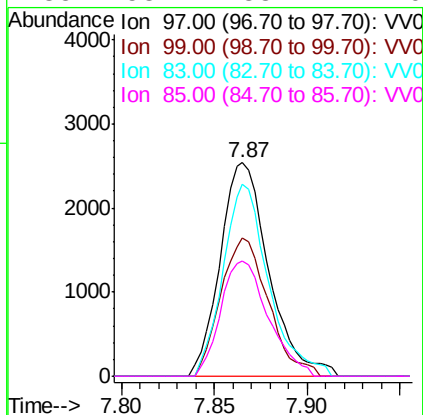
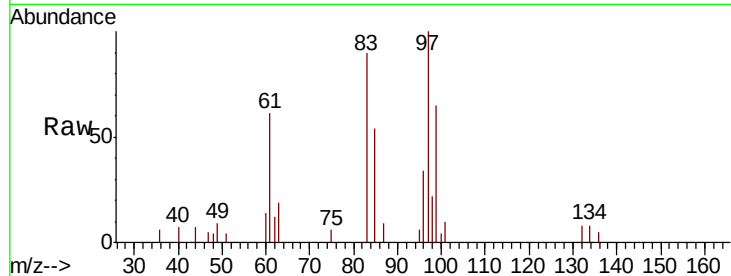




#45
 1,1,2-Trichloroethane
 Concen: 2.140 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

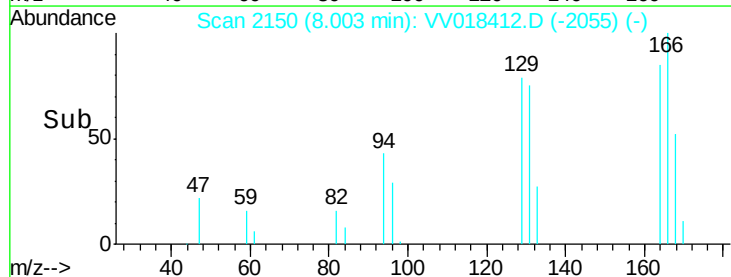
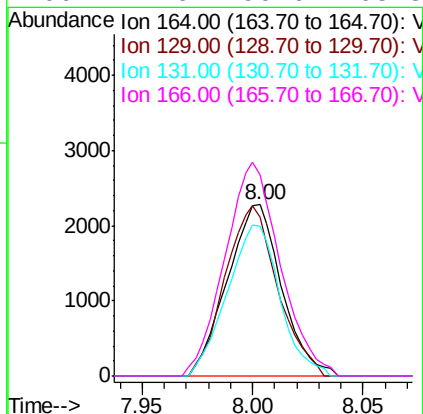
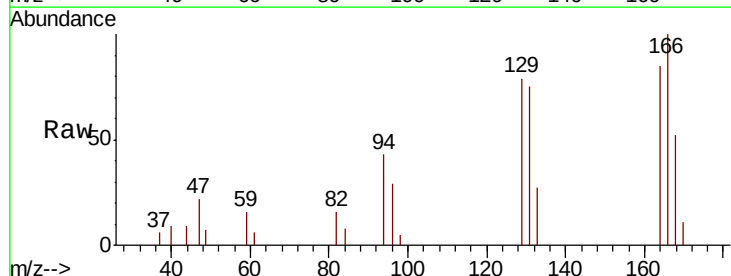
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

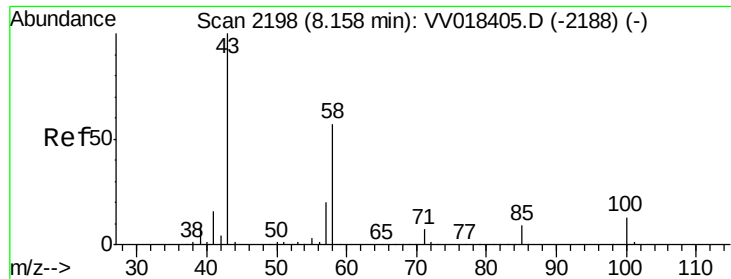
Tot Ion:	97	Resp:	4632
Ion	Ratio	Lower	Upper
97	100		
99	64.6	44.6	82.8
83	89.8	60.5	112.5
85	53.7	38.2	71.0



#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

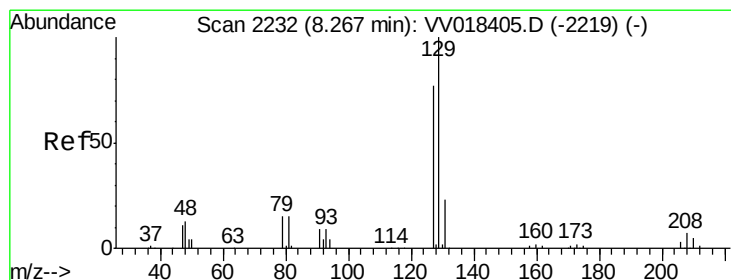
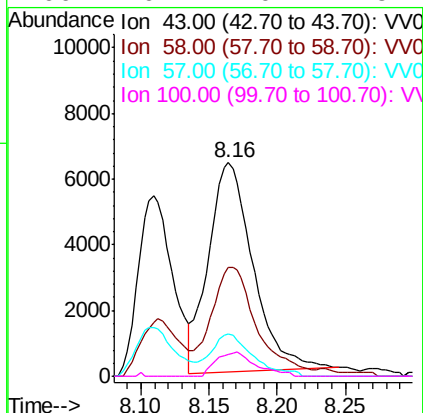
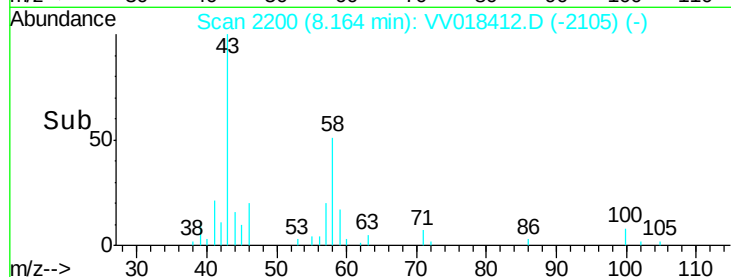
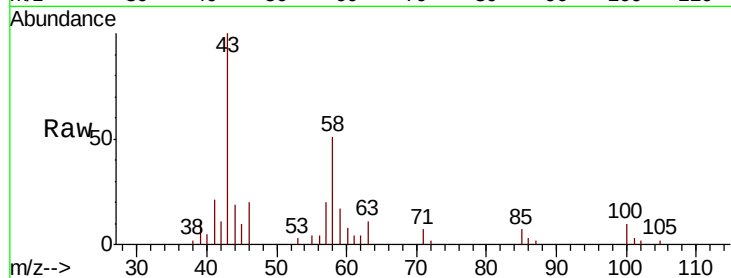




#48
2-Hexanone
Concen: 6.258 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

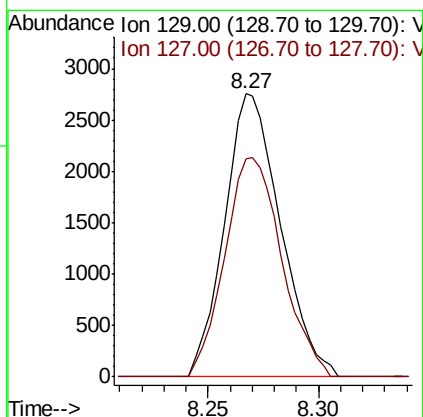
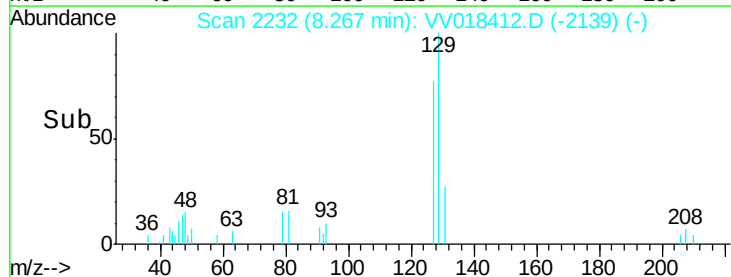
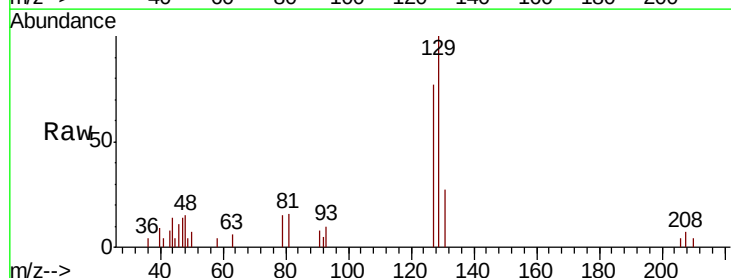
Instrument :
MSVOA_V
ClientSampled :
MDL01

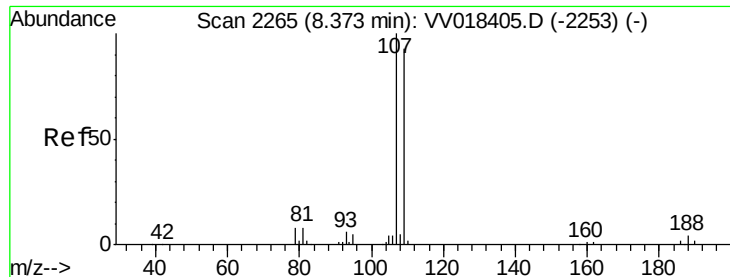
Tot Ion: 43 Resp: 14466
Ion Ratio Lower Upper
43 100
58 48.1 45.4 68.0
57 18.9 16.0 24.0
100 10.1 10.1 15.1



#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: 129 Resp: 4845
Ion Ratio Lower Upper
129 100
127 77.0 53.5 99.5

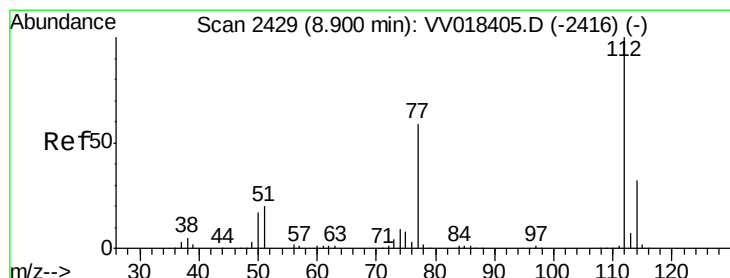
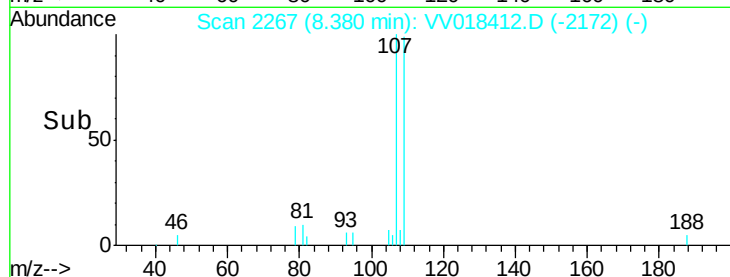
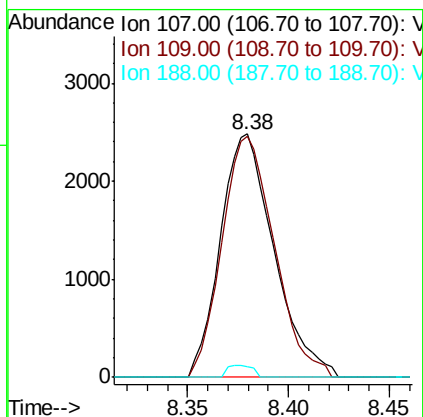
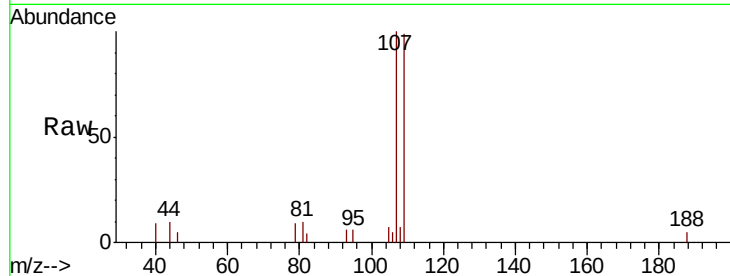




#50
1,2-Dibromoethane
Concen: 2.047 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

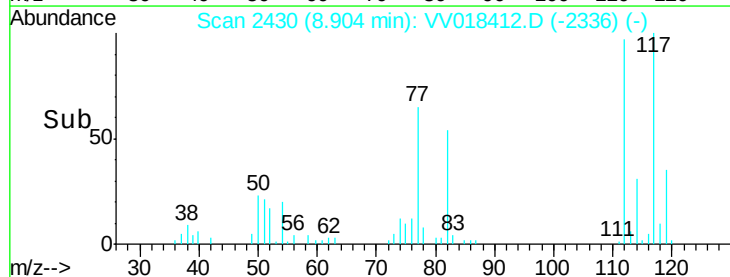
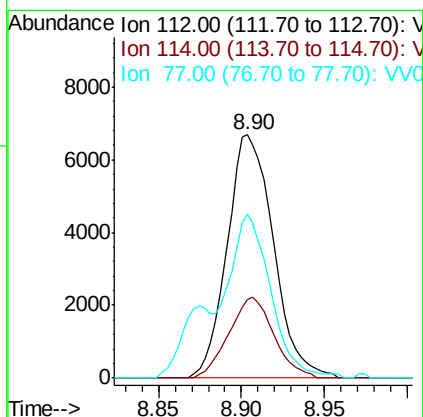
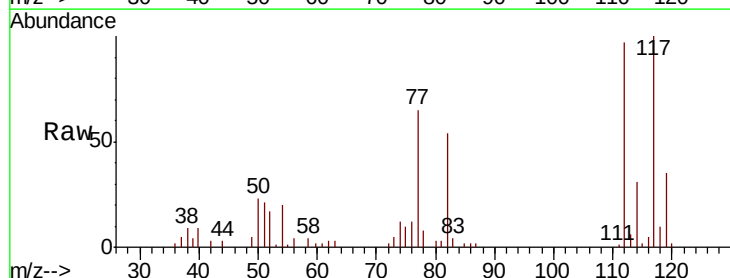
Instrument :
MSVOA_V
ClientSampleId :
MDL01

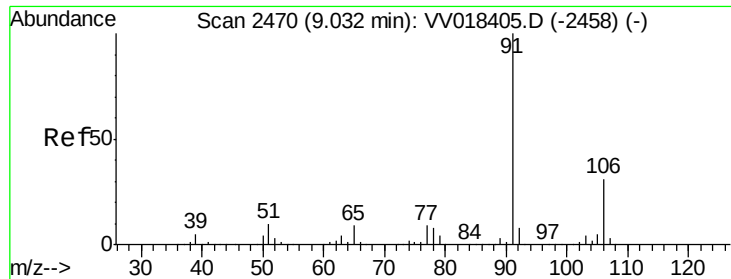
Tot Ion:107 Resp: 4612
Ion Ratio Lower Upper
107 100
109 99.2 64.9 120.5
188 4.5 3.4 5.0



#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:112 Resp: 12992
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

Instrument :

MSVOA_V

ClientSampled :

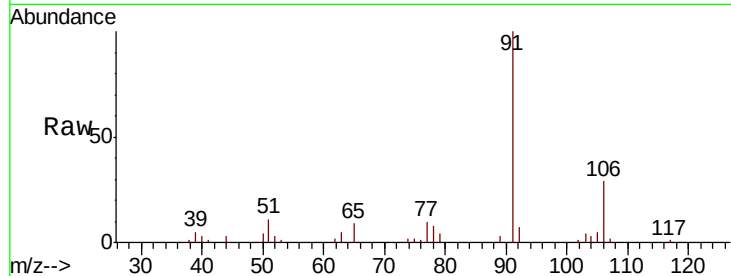
MDL01

Tot Ion: 91 Resp: 19593

Ion Ratio Lower Upper

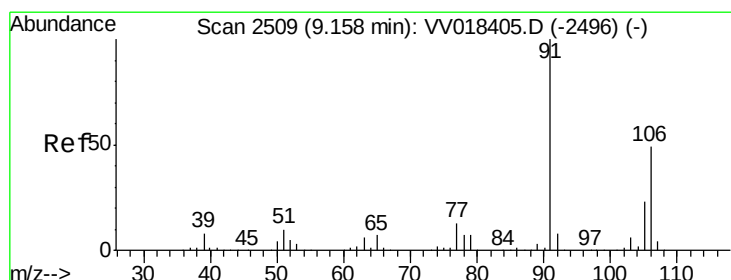
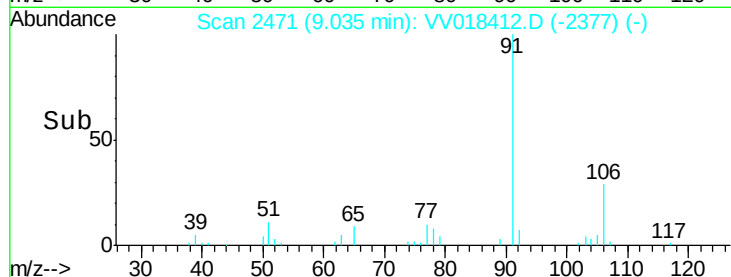
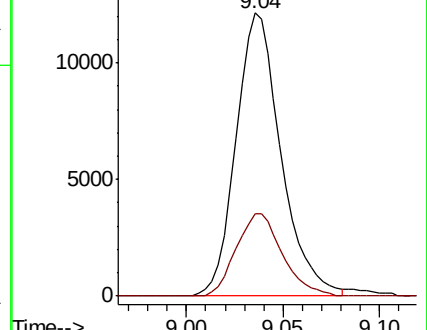
91 100

106 29.1 21.4 39.8



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

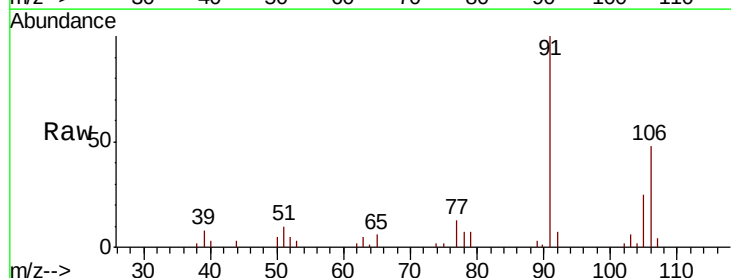
Acq: 23 Sep 2020 14:27

Tgt Ion: 106 Resp: 6798

Ion Ratio Lower Upper

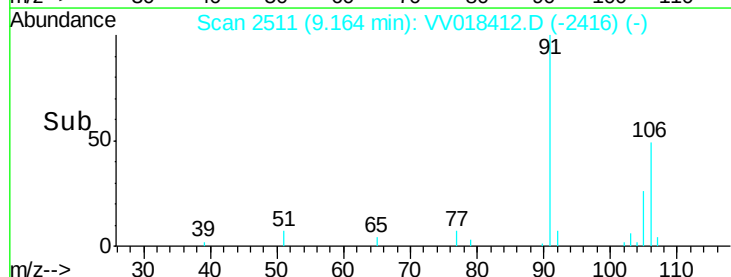
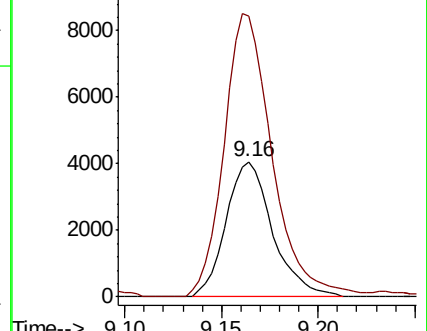
106 100

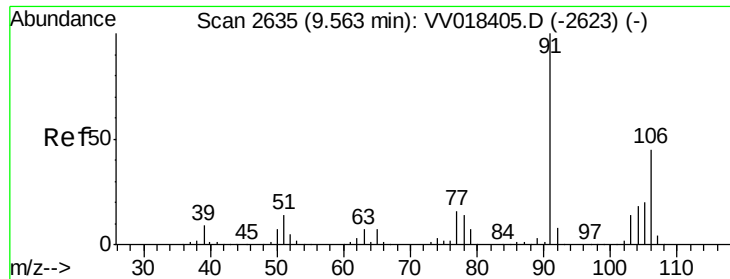
91 207.8 143.4 266.4



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

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

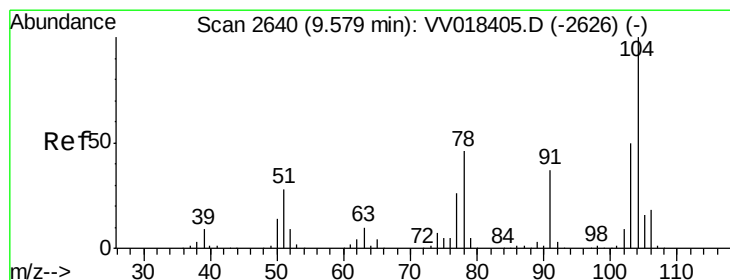
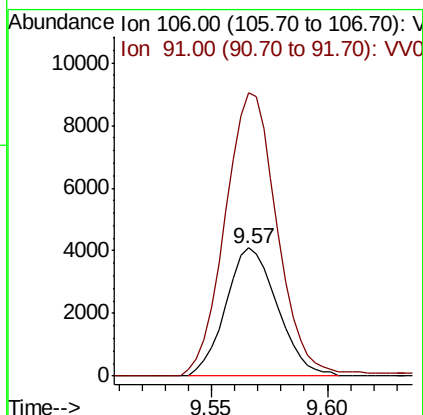
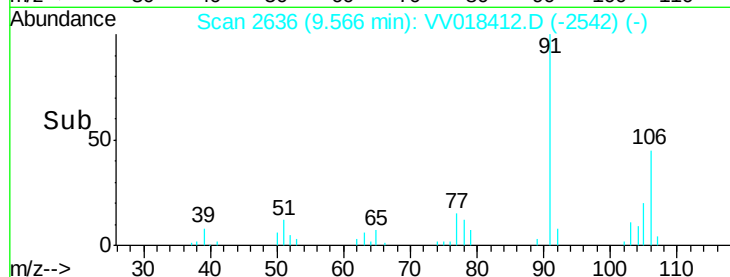
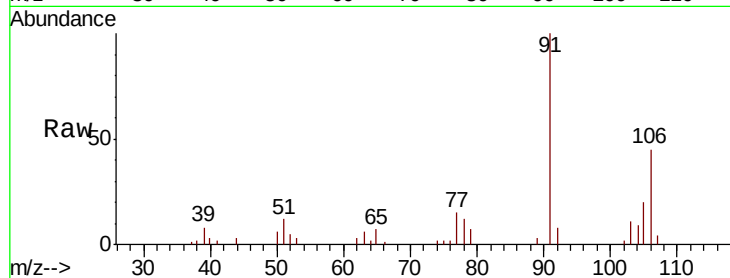




#54
o-Xylene
Concen: 1.752 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018412.D
Acq: 23 Sep 2020 14:27

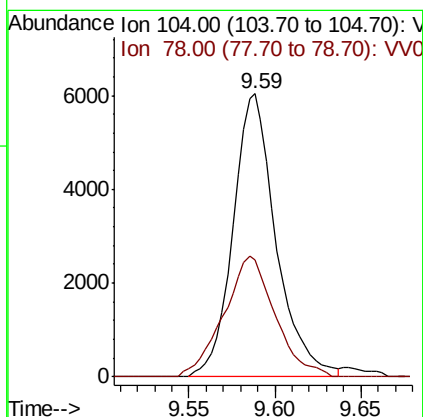
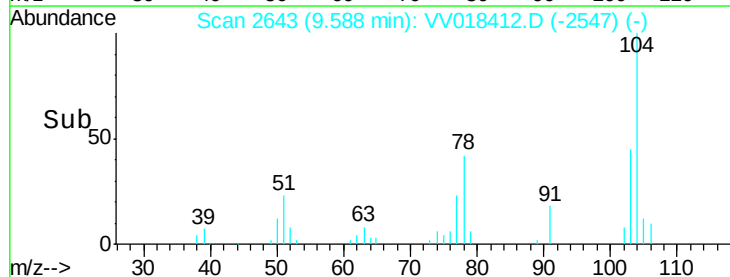
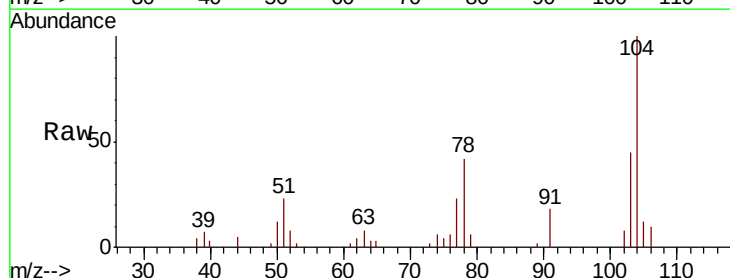
Instrument :
MSVOA_V
ClientSampled :
MDL01

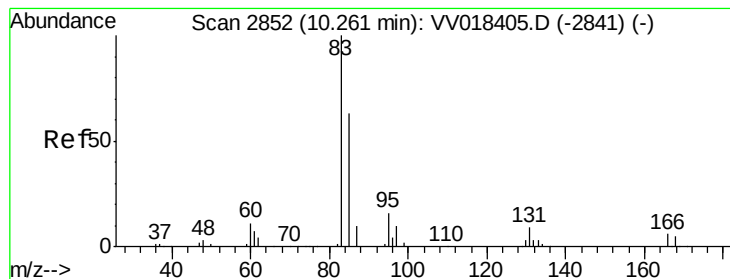
Tot Ion:106 Resp: 6325
Ion Ratio Lower Upper
106 100
91 220.6 154.7 287.3



#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





#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

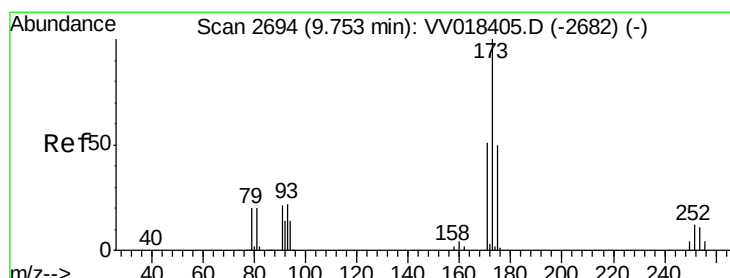
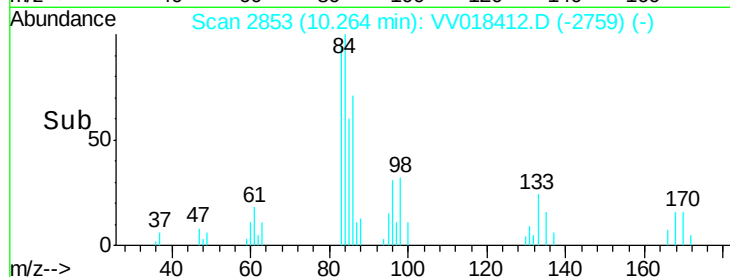
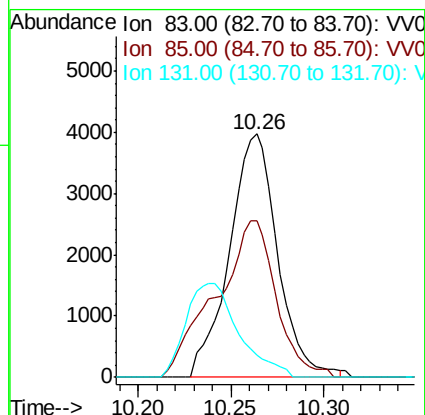
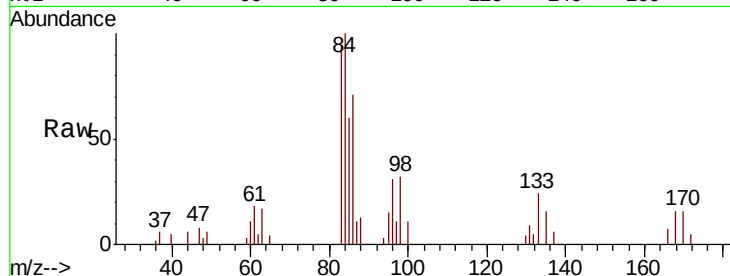
Tot Ion: 83 Resp: 7161

Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.5

131 9.2 7.8 11.6



#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

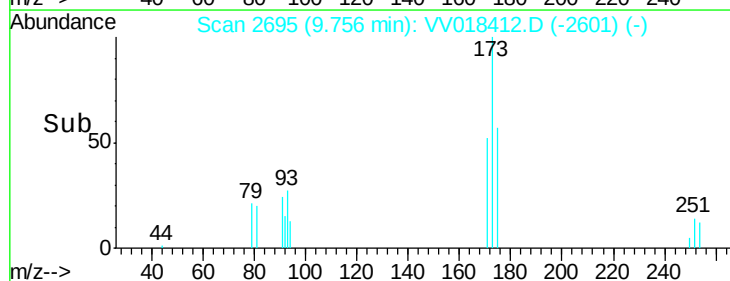
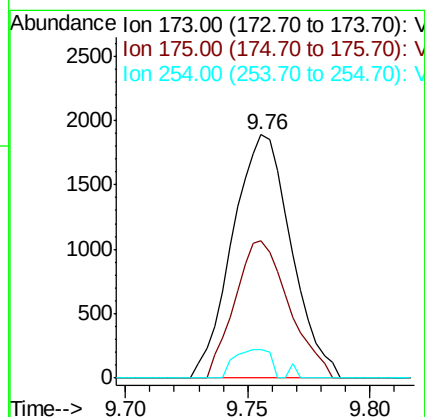
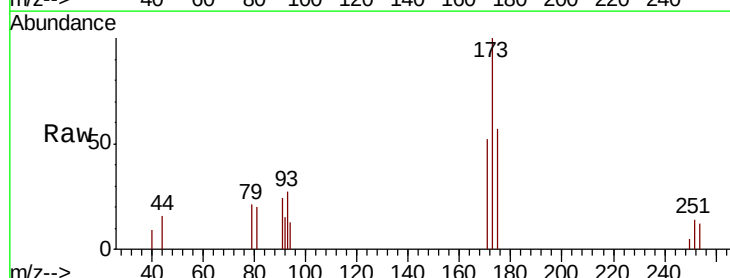
Tgt Ion: 173 Resp: 3152

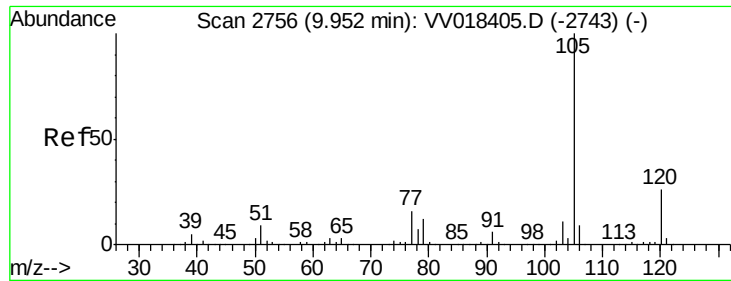
Ion Ratio Lower Upper

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

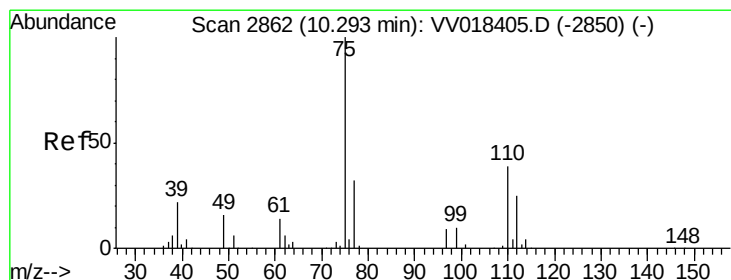
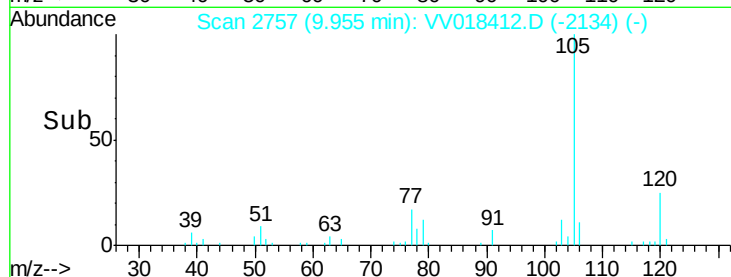
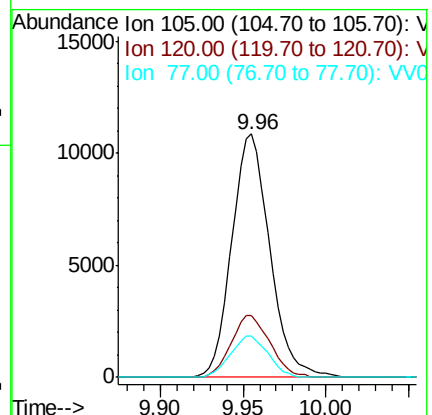
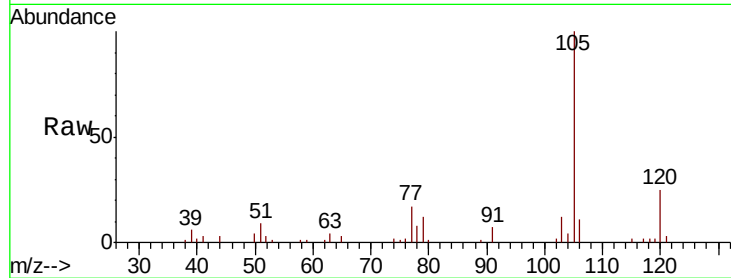
Tot Ion:105 Resp: 17361

Ion Ratio Lower Upper

105 100

120 25.9 20.8 31.2

77 16.6 12.8 19.2



#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

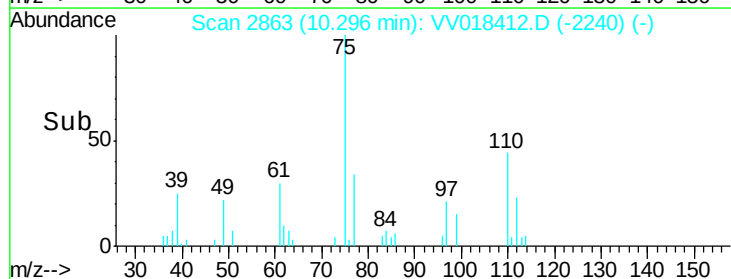
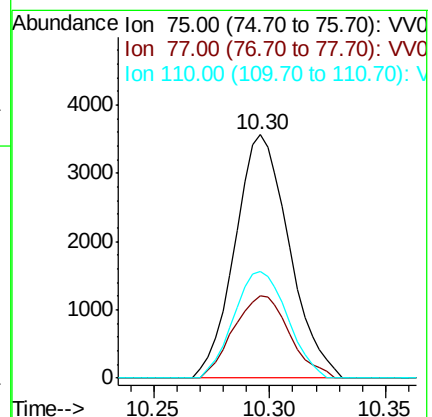
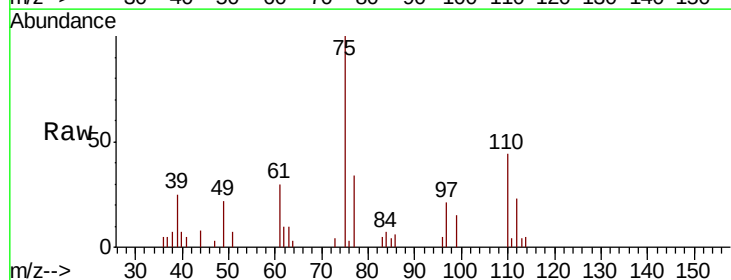
Tgt Ion: 75 Resp: 5780

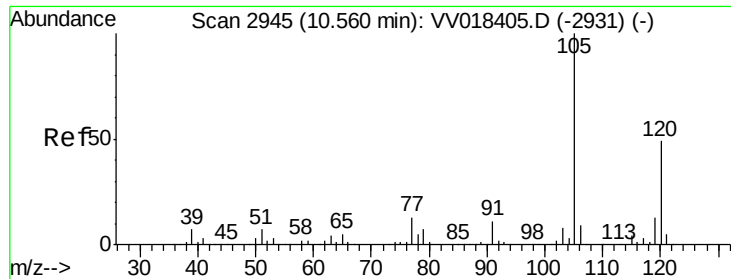
Ion Ratio Lower Upper

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

ClientSampleId :

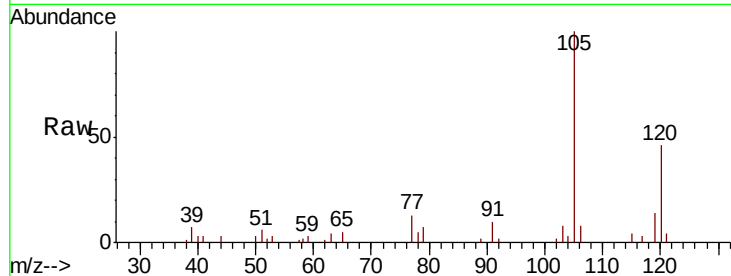
MDL01

Tot Ion:105 Resp: 12825

Ion Ratio Lower Upper

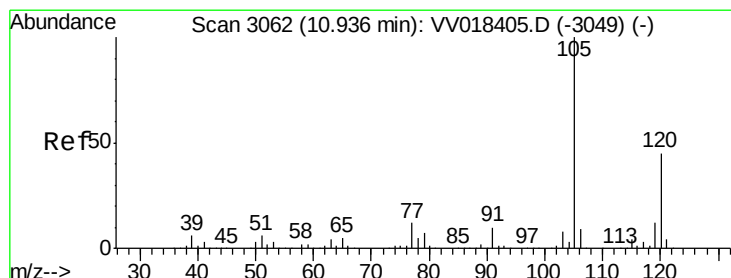
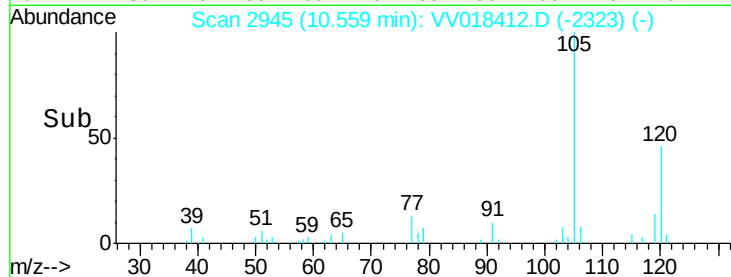
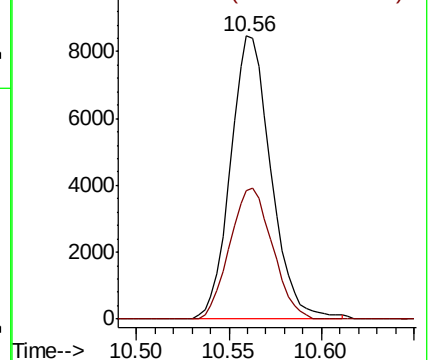
105 100

120 48.6 39.1 58.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#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

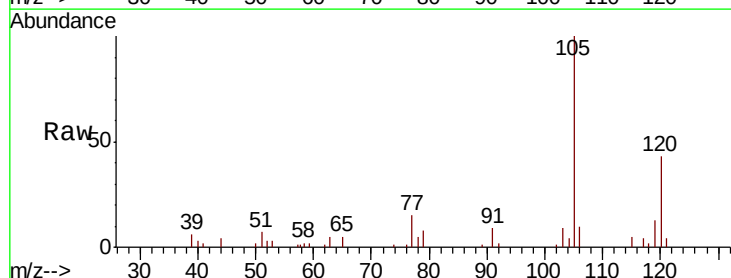
Acq: 23 Sep 2020 14:27

Tgt Ion:105 Resp: 12663

Ion Ratio Lower Upper

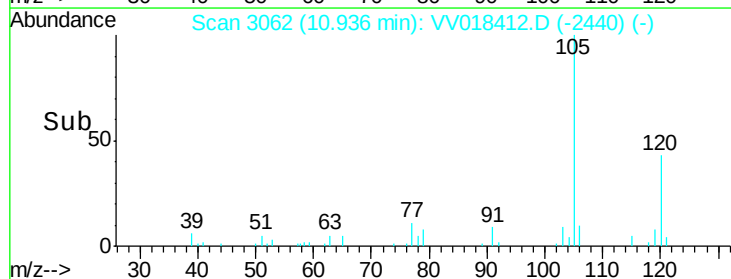
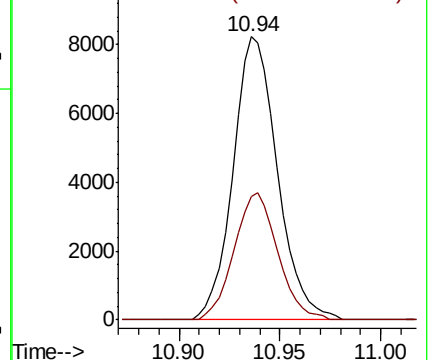
105 100

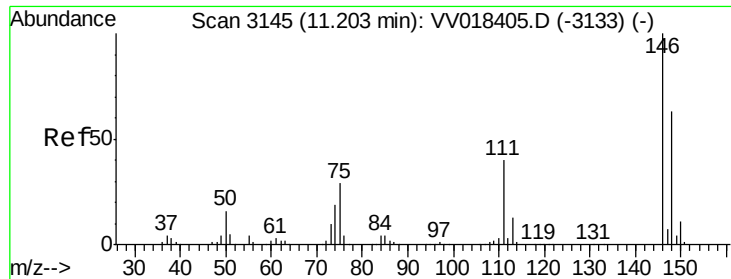
120 44.1 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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

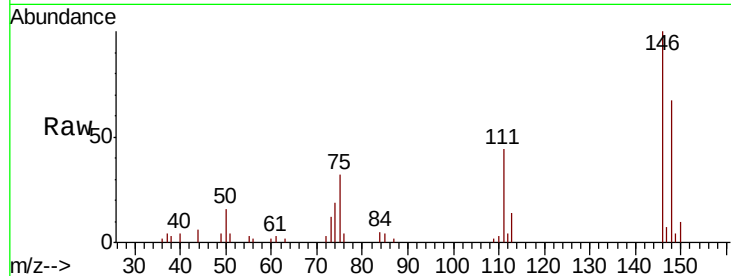
Tot Ion:146 Resp: 10065

Ion Ratio Lower Upper

146 100

111 44.0 27.6 51.4

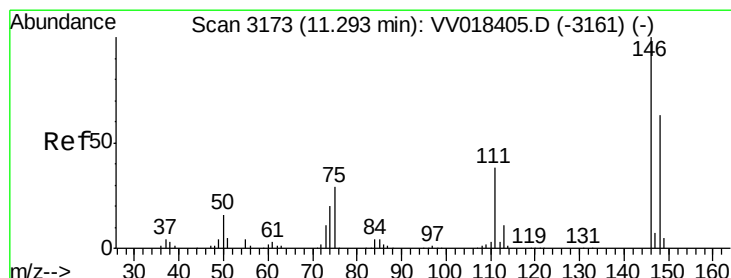
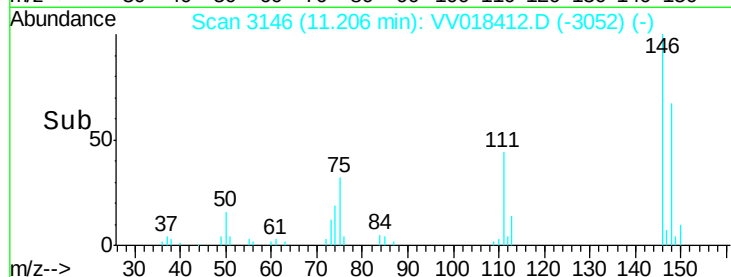
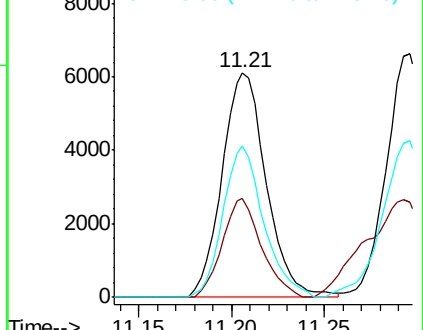
148 67.2 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#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

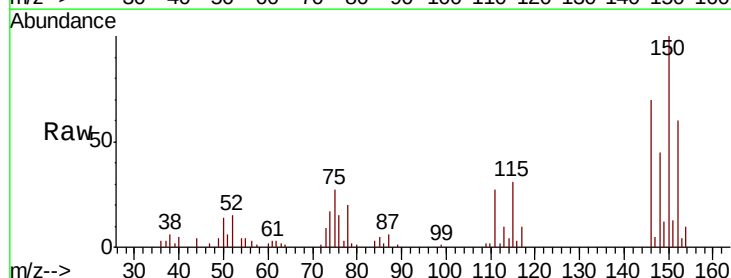
Tgt Ion:146 Resp: 10999

Ion Ratio Lower Upper

146 100

111 38.8 26.6 49.4

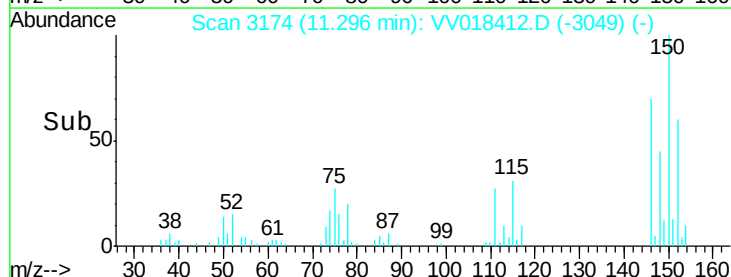
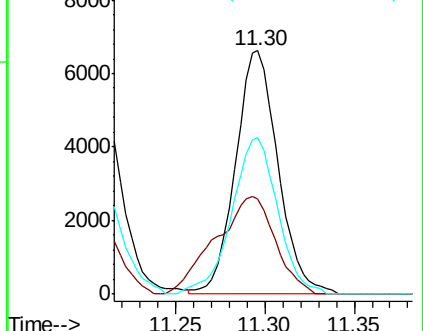
148 64.0 44.3 82.3

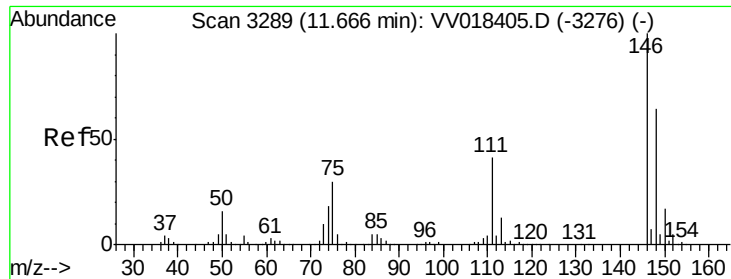


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

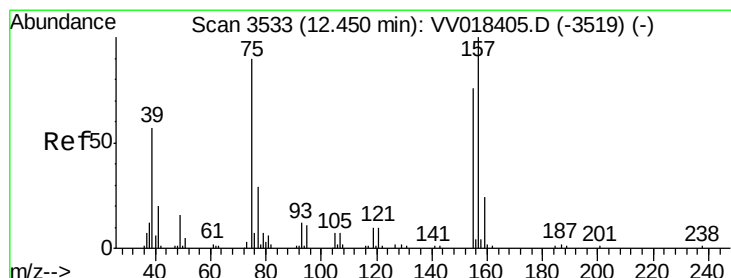
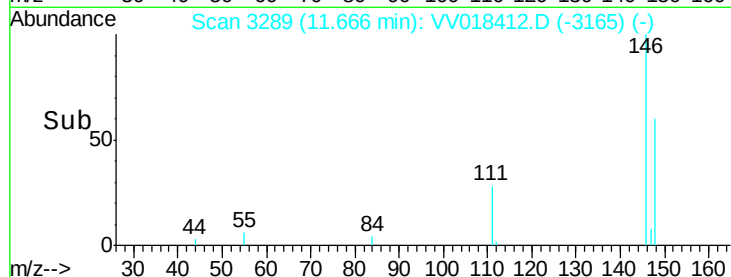
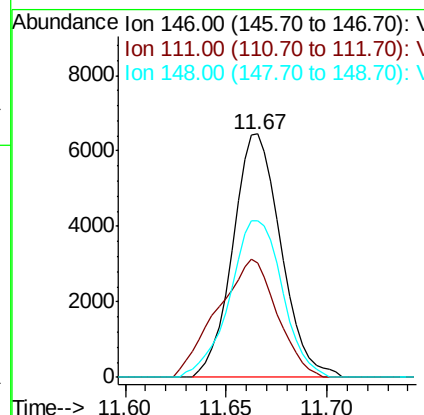
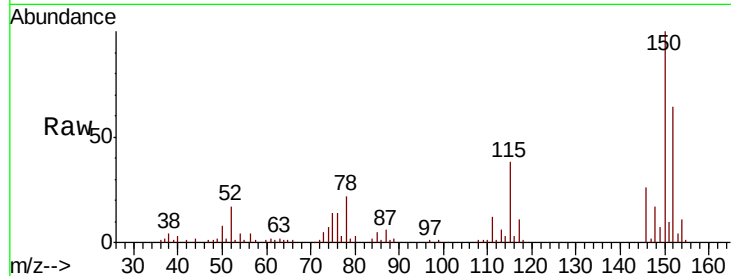




#67
 1,2-Dichlorobenzene
 Concen: 2.342 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

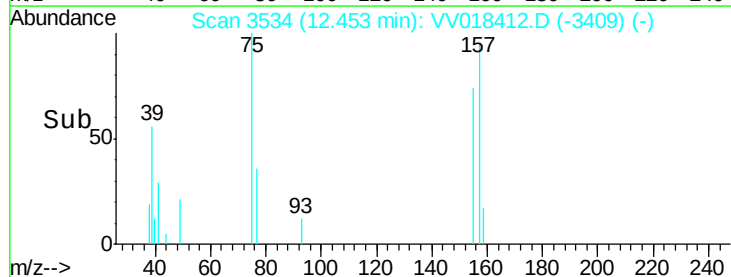
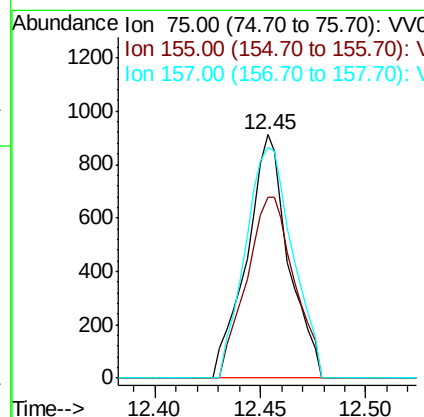
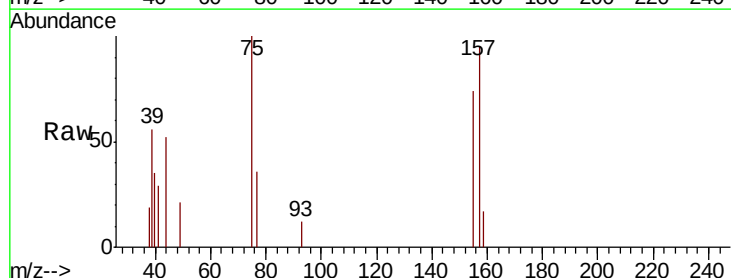
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

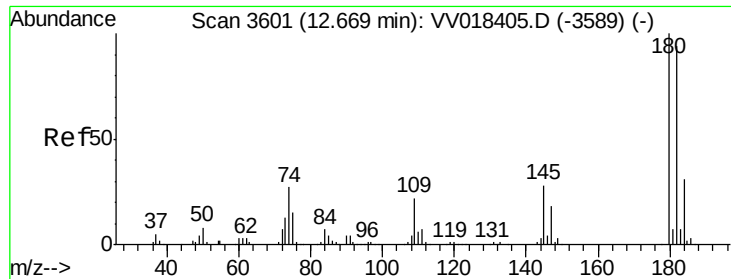
Tot Ion:146 Resp: 10779
 Ion Ratio Lower Upper
 146 100
 111 46.9 32.6 49.0
 148 64.4 51.0 76.6



#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: 75 Resp: 1252
 Ion Ratio Lower Upper
 75 100
 155 74.1 67.6 101.4
 157 94.7 88.7 133.1

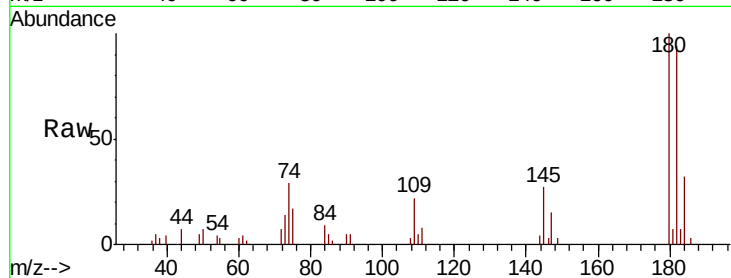




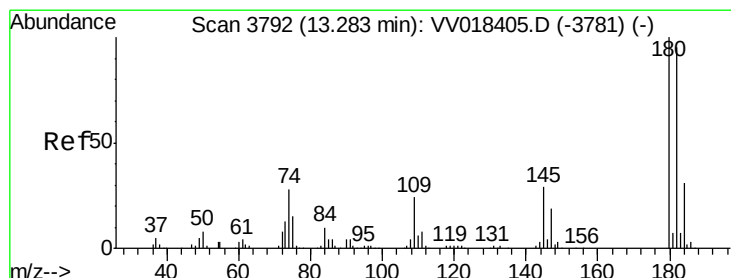
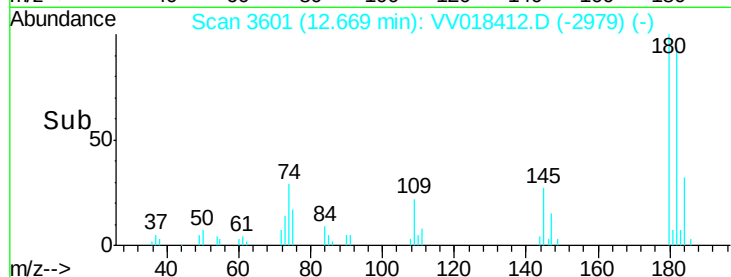
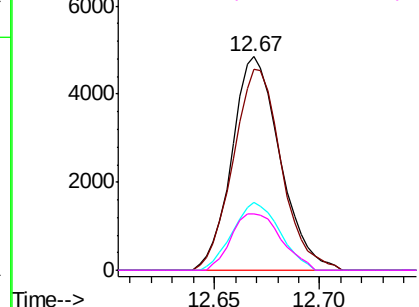
#69
 1,3,5-Trichlorobenzene
 Concen: 2.152 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

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

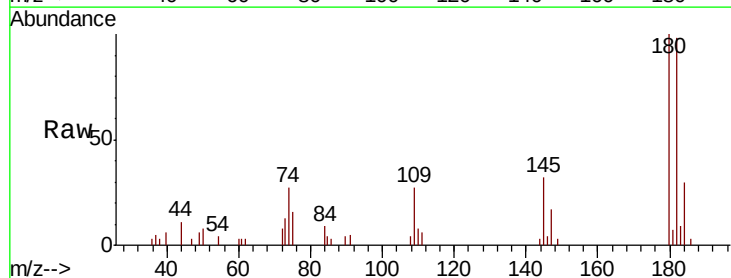


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

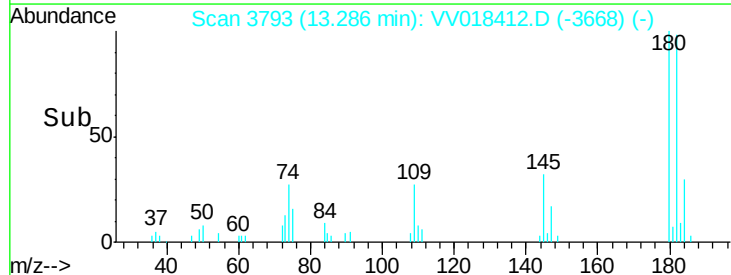
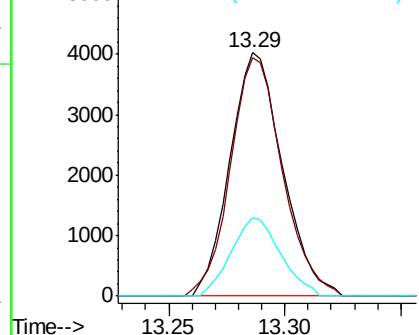


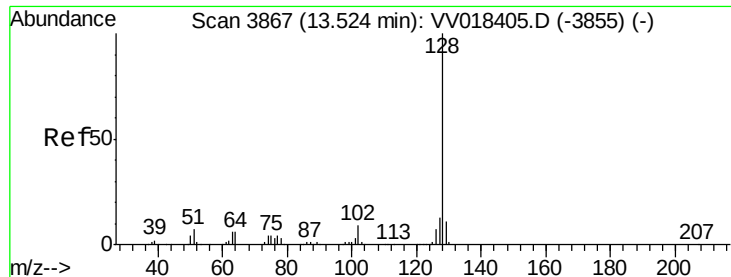
#70
 1,2,4-trichlorobenzene
 Concen: 1.974 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018412.D
 Acq: 23 Sep 2020 14:27

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



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#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

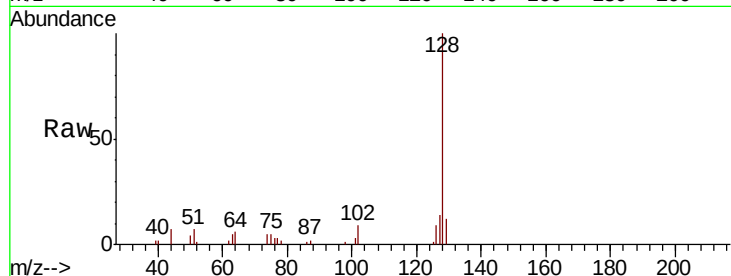
Tot Ion:128 Resp: 13539

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

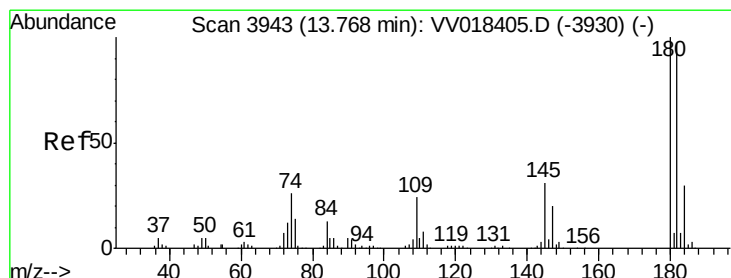
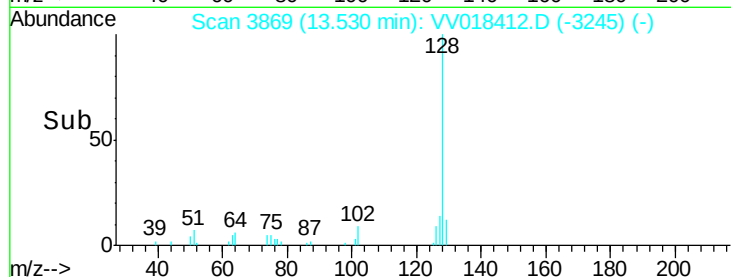
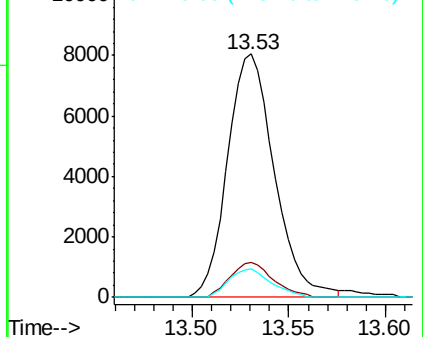
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#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

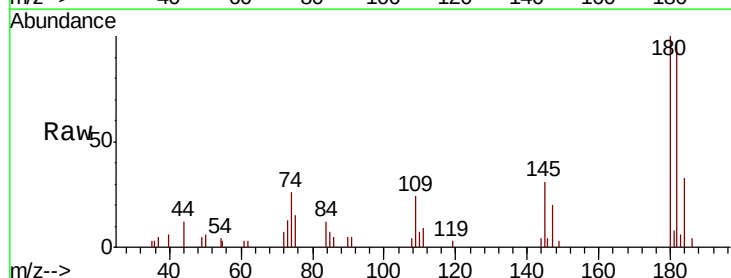
Tgt Ion:180 Resp: 6154

Ion Ratio Lower Upper

180 100

182 95.7 77.1 115.7

145 31.7 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

