

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018189.D
 Acq On : 10 Sep 2020 19:19
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Quant Time: Sep 11 01:35:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	286518	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	285863	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	144311	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96292	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.48%
7) Chloroethane-d5	1.58	69	84510	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.46%
11) 1,1-Dichloroethene-d2	2.12	63	147331	34.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.80%
21) 2-Butanone-d5	3.91	46	142838	99.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.94%
24) Chloroform-d	4.38	84	182710	45.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.06	65	127349	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.08	84	379919	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
36) 1,2-Dichloropropane-d6	6.10	67	124545	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.80%
41) Toluene-d8	7.34	98	343204	46.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.04%
43) trans-1,3-Dichloropropene-	7.64	79	59648	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
47) 2-Hexanone-d5	8.11	63	89468	90.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.84%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	151178	46.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	147308	49.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4973	2.380	ug/L	95
3) Chloromethane	1.25	50	5705	2.501	ug/L	91
5) Vinyl chloride	1.32	62	5944	2.541	ug/L #	64
6) Bromomethane	1.53	94	3480	2.434	ug/L	99
8) Chloroethane	1.60	64	3597	2.454	ug/L	99
9) Trichlorofluoromethane	1.77	101	7983	2.480	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6238	3.226	ug/L #	82
12) 1,1-Dichloroethene	2.13	96	5890	3.131	ug/L #	1
13) Acetone	2.20	43	5685	4.967	ug/L	99
14) Carbon disulfide	2.31	76	14057	2.442	ug/L	97
15) Methyl Acetate	2.46	43	4952	2.408	ug/L	94
16) Methylene chloride	2.53	84	9277	4.397	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	4491	2.316	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	13773	2.296	ug/L	99
19) 1,1-Dichloroethane	3.22	63	9058	2.471	ug/L	97
20) cis-1,2-Dichloroethene	3.95	96	5166	2.493	ug/L	96
22) 2-Butanone	4.02	43	1827	1.348	ug/L	97

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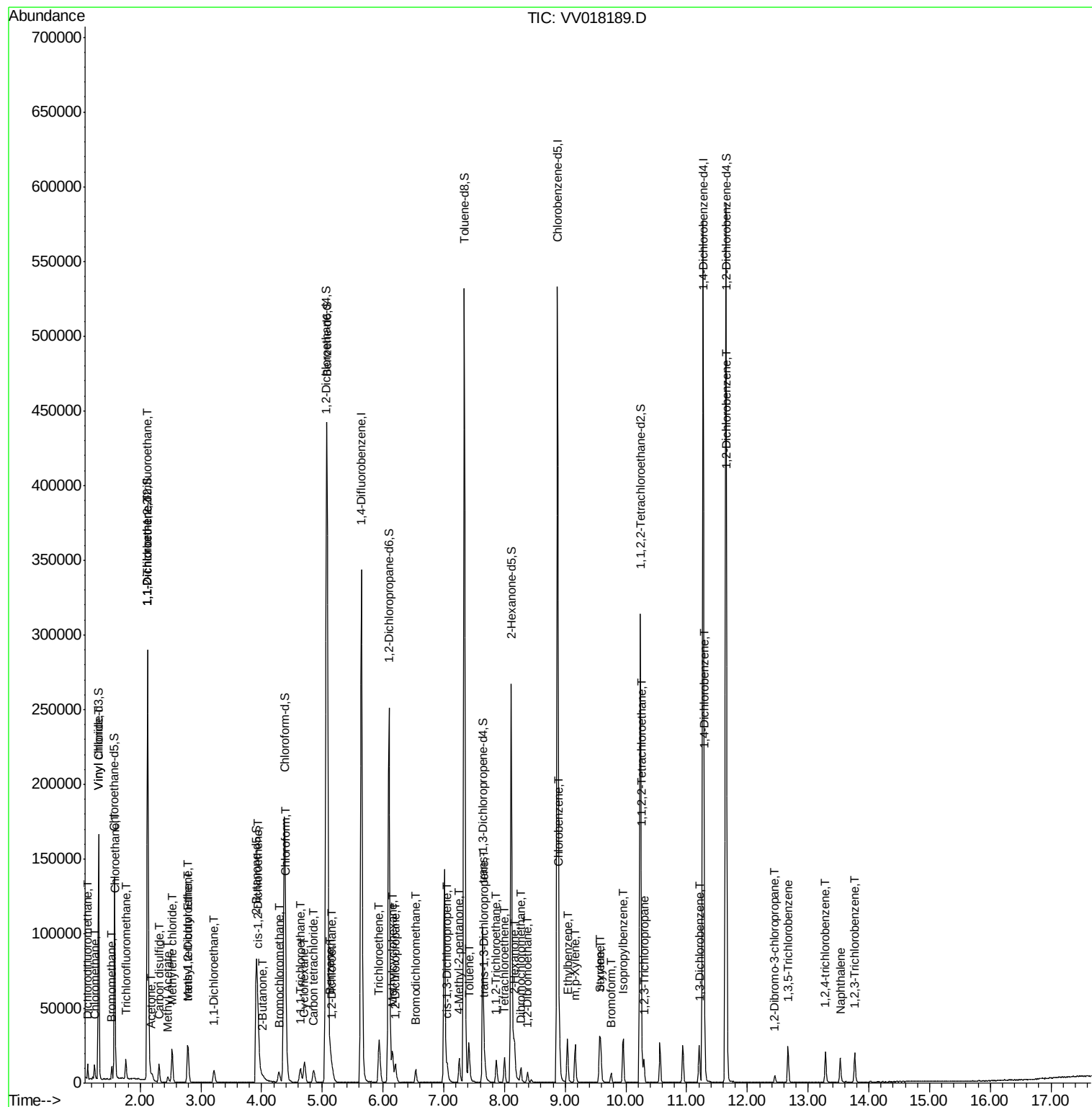
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	1258	1.160	ug/L	92
25) Chloroform	4.41	83	17319	4.648	ug/L	99
27) 1,2-Dichloroethane	5.17	62	7381	2.559	ug/L	100
29) Cyclohexane	4.70	56	7208	2.184	ug/L	95
30) 1,1,1-Trichloroethane	4.64	97	7467	2.251	ug/L	96
31) Carbon tetrachloride	4.86	117	6710	2.300	ug/L	96
33) Benzene	5.13	78	19646	2.404	ug/L	100
34) Trichloroethene	5.95	95	5649	2.537	ug/L	98
35) Methylcyclohexane	6.16	83	7694	2.295	ug/L	98
37) 1,2-Dichloropropane	6.21	63	4782	2.208	ug/L #	91
38) Bromodichloromethane	6.54	83	6686	2.372	ug/L	89
39) cis-1,3-Dichloropropene	7.05	75	6902	2.068	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	10969	4.175	ug/L	99
42) Toluene	7.41	91	20514	2.372	ug/L	94
44) trans-1,3-Dichloropropene	7.68	75	7798	2.400	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	4931	2.456	ug/L	93
46) Tetrachloroethene	8.00	164	4103	2.350	ug/L	95
48) 2-Hexanone	8.16	43	16095	7.770	ug/L	95
49) Dibromochloromethane	8.27	129	5037	2.235	ug/L	99
50) 1,2-Dibromoethane	8.38	107	4772	2.259	ug/L	97
51) Chlorobenzene	8.90	112	13676	2.435	ug/L	96
52) Ethylbenzene	9.04	91	20701	2.192	ug/L	99
53) m,p-Xylene	9.16	106	7697	2.184	ug/L	95
54) o-xylene	9.57	106	7188	2.117	ug/L	97
55) Styrene	9.59	104	11227	1.902	ug/L	99
56) Isopropylbenzene	9.95	105	18339	2.004	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7591	2.556	ug/L #	97
59) 1,2,3-Trichloropropane	10.30	75	6205	2.436	ug/L	98
61) Bromoform	9.76	173	3209	2.070	ug/L	96
62) 1,3-Dichlorobenzene	11.21	146	10525	2.453	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	11446	2.595	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	11375	2.623	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.45	75	1244	2.032	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	7977	2.358	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	6735	2.236	ug/L	99
69) Naphthalene	13.53	128	13658	1.792	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	6792	2.289	ug/L	94

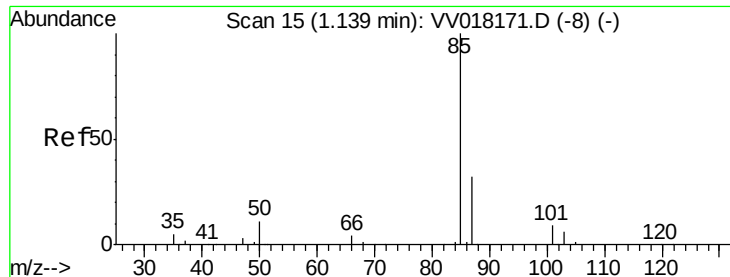
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.380 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

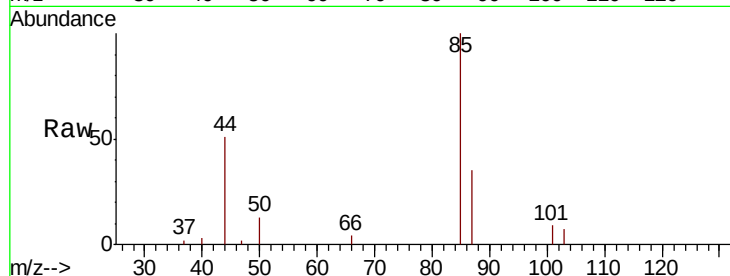
MDL07

Tot Ion: 85 Resp: 4973

Ion Ratio Lower Upper

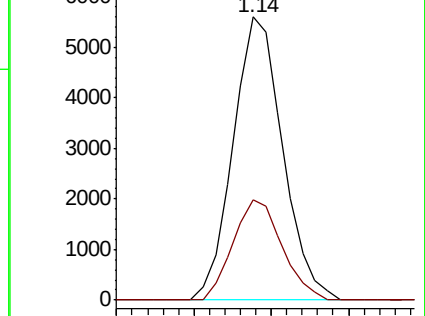
85 100

87 34.9 25.7 38.5

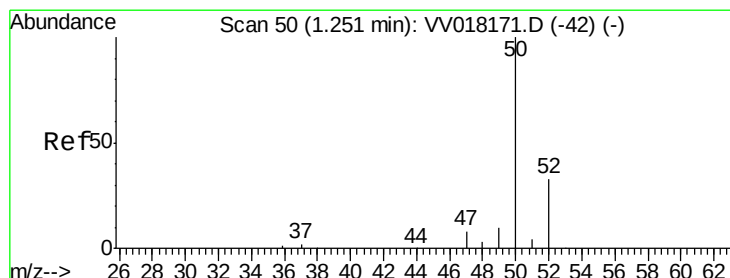
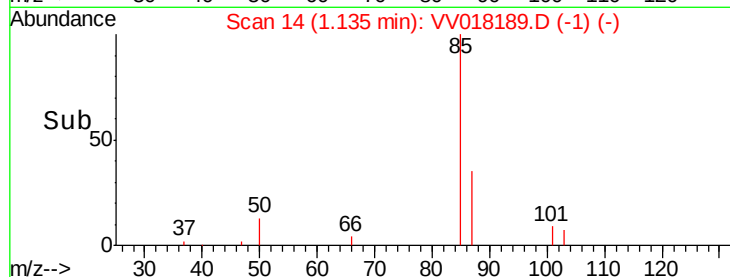


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time--> 1.10 1.12 1.14 1.16



#3

Chloromethane

Concen: 2.501 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018189.D

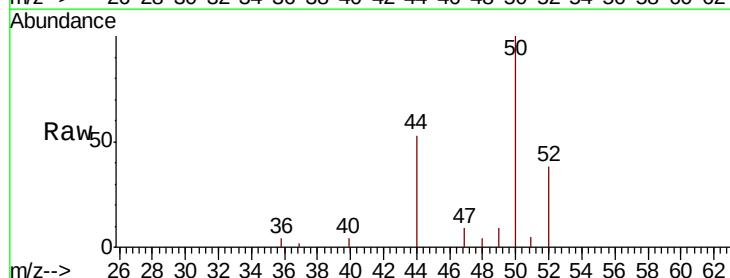
Acq: 10 Sep 2020 19:19

Tgt Ion: 50 Resp: 5705

Ion Ratio Lower Upper

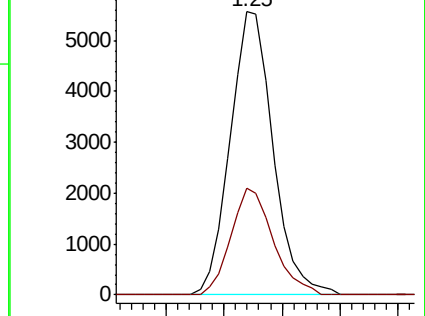
50 100

52 37.5 22.7 42.3

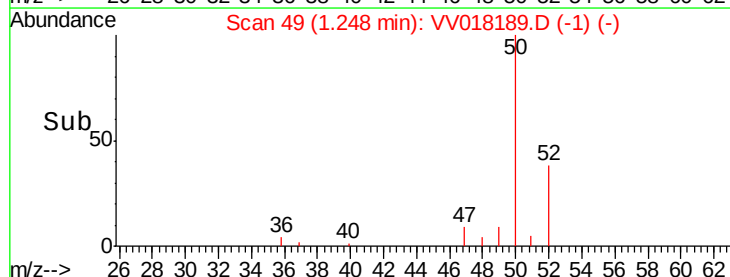


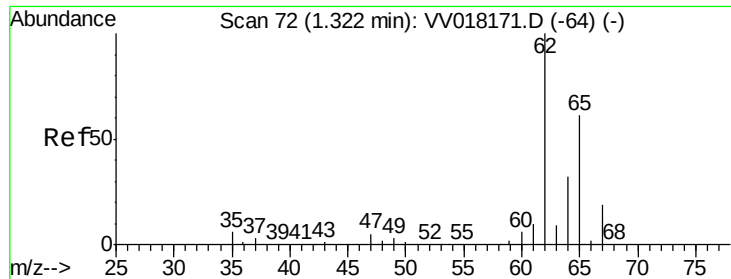
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time--> 1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 2.541 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

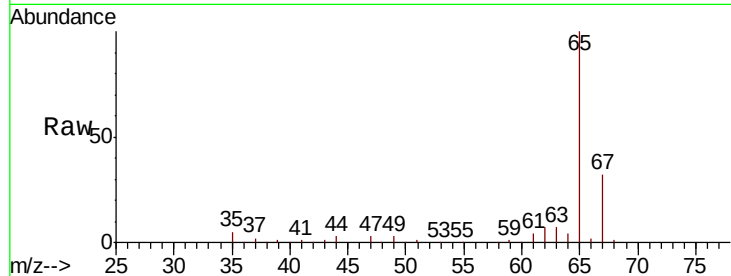
MDL07

Tot Ion: 62 Resp: 5944

Ion Ratio Lower Upper

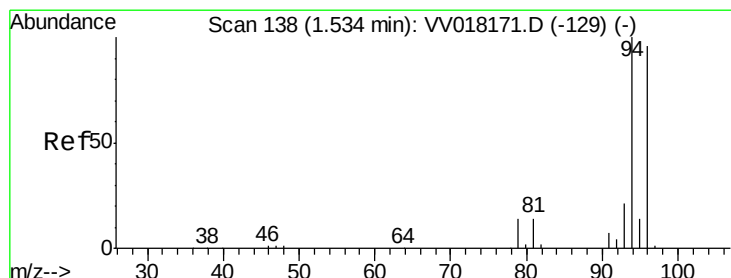
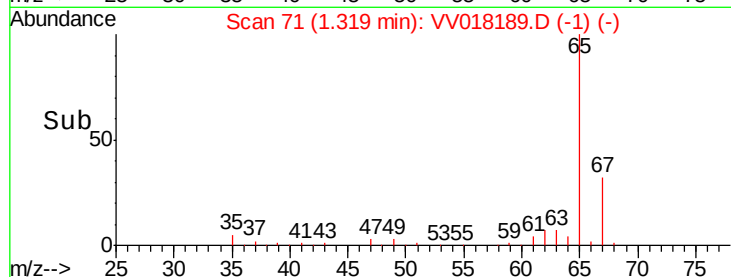
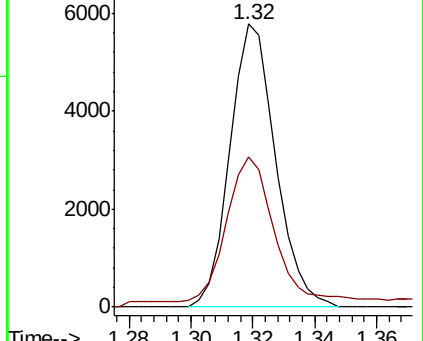
62 100

64 53.2 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.434 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018189.D

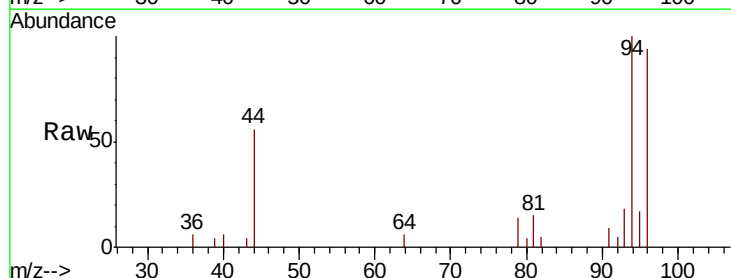
Acq: 10 Sep 2020 19:19

Tgt Ion: 94 Resp: 3480

Ion Ratio Lower Upper

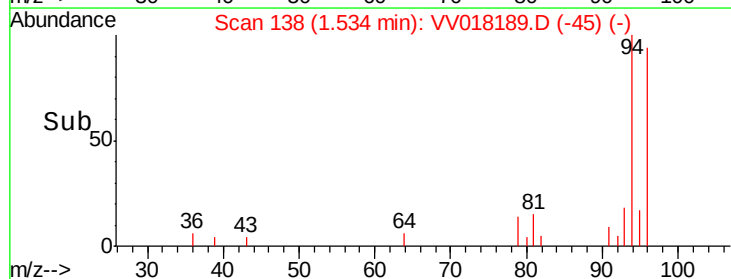
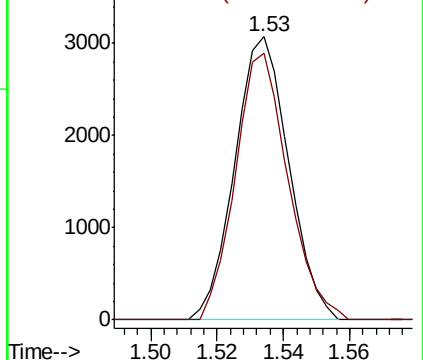
94 100

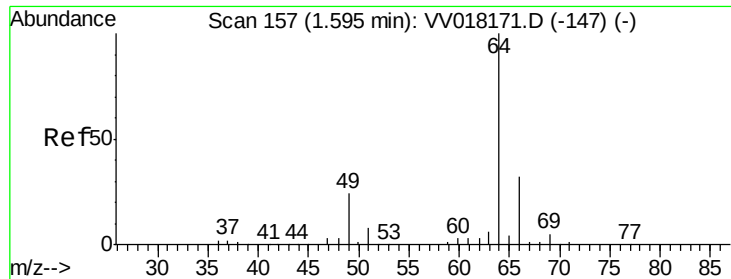
96 94.2 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.454 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

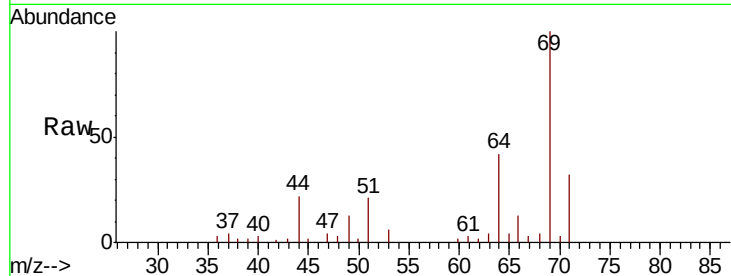
MDL07

Tot Ion: 64 Resp: 3597

Ion Ratio Lower Upper

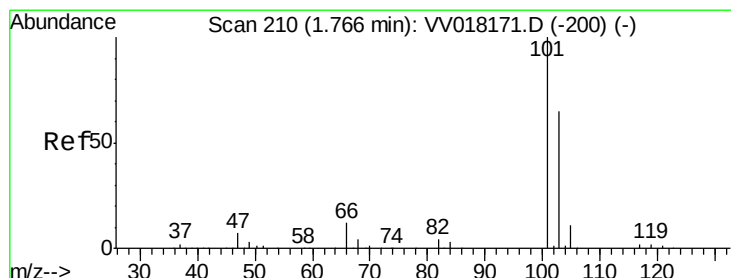
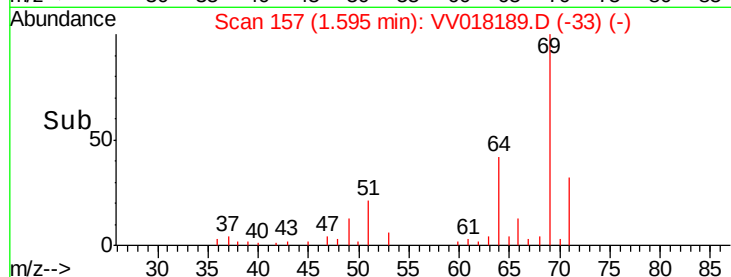
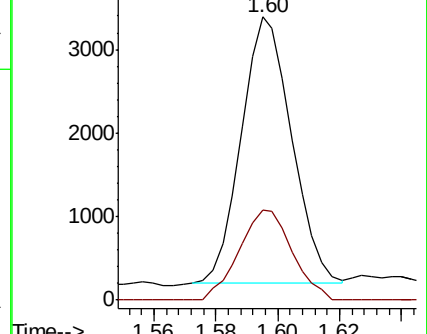
64 100

66 31.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 2.480 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018189.D

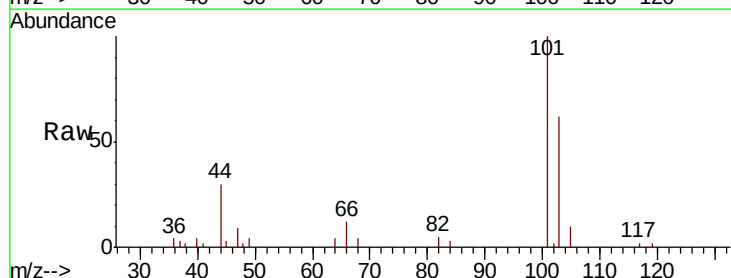
Acq: 10 Sep 2020 19:19

Tgt Ion: 101 Resp: 7983

Ion Ratio Lower Upper

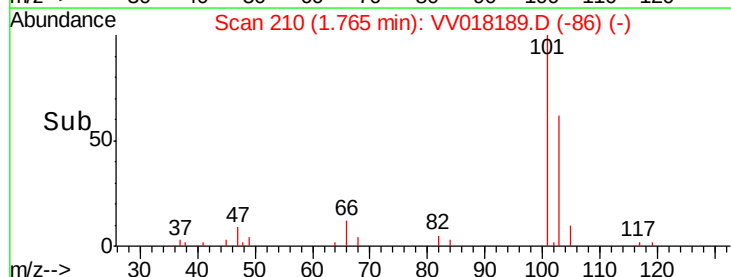
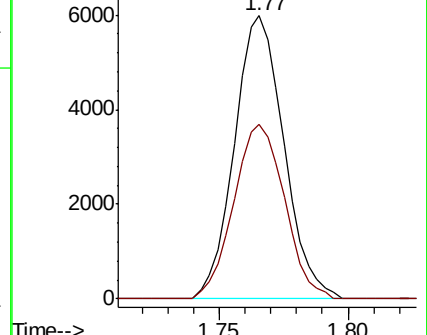
101 100

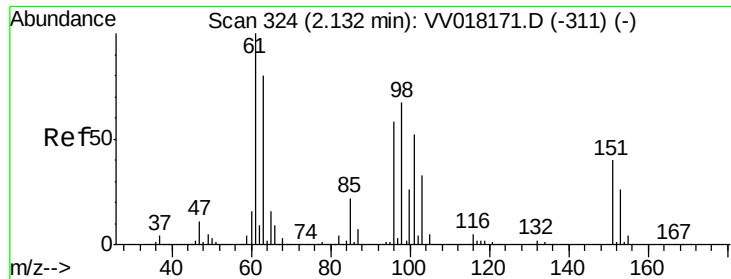
103 63.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 3.226 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018189.D

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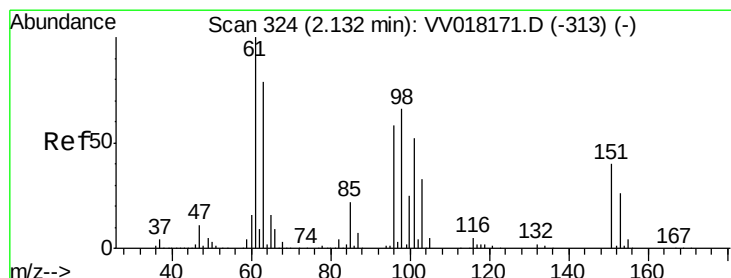
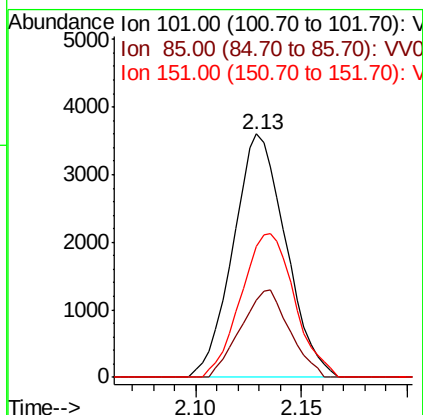
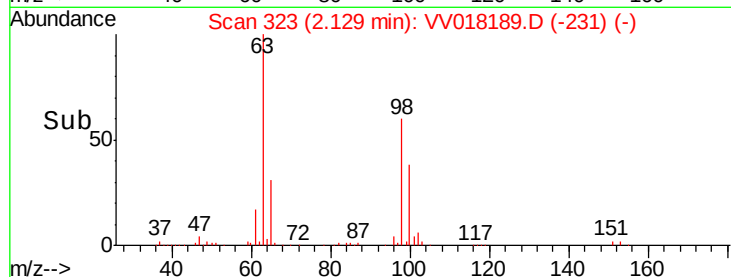
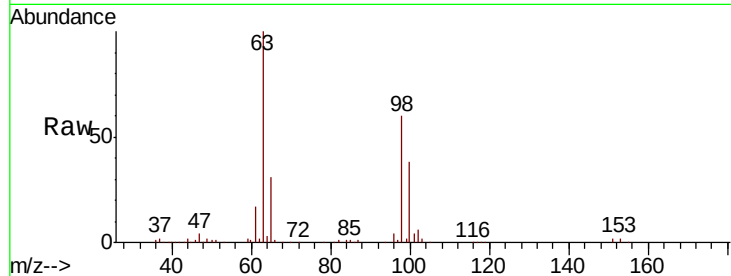
Tot Ion:101 Resp: 6238

Ion Ratio Lower Upper

101 100

85 33.3 33.5 50.3#

151 60.1 62.2 93.2#



#12

1,1-Dichloroethene

Concen: 3.131 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

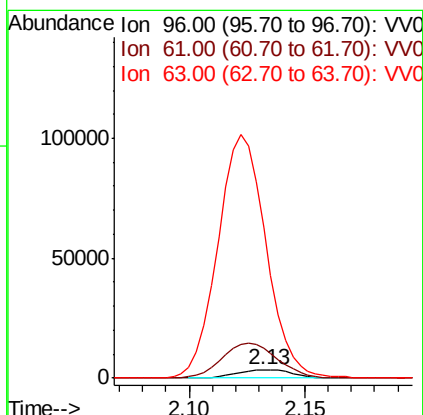
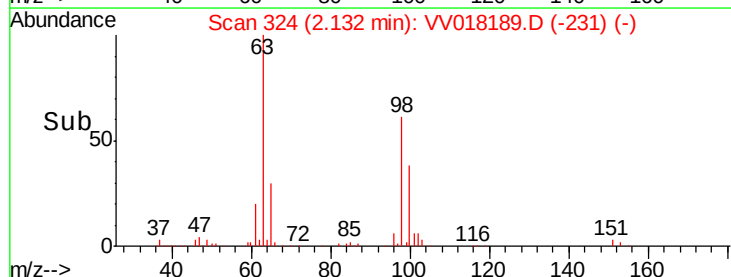
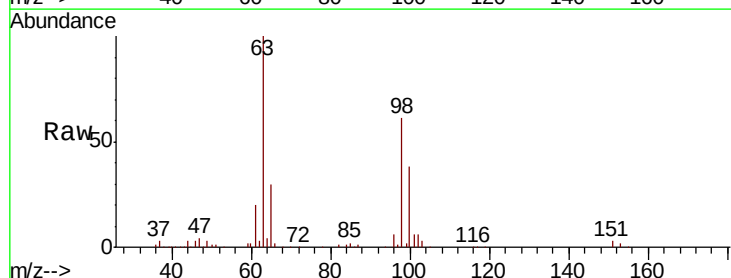
Tgt Ion: 96 Resp: 5890

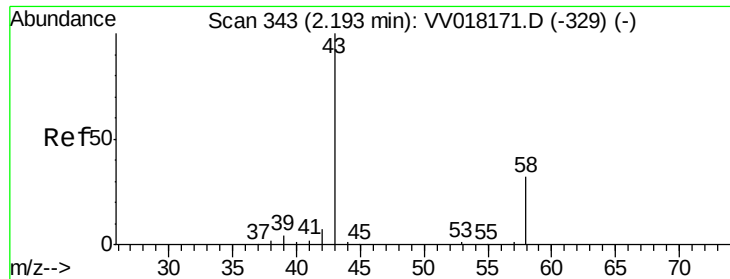
Ion Ratio Lower Upper

96 100

61 337.5 122.9 228.3#

63 1720.4 91.9 170.7#





#13

Acetone

Concen: 4.967 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018189.D

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ClientSampleId :

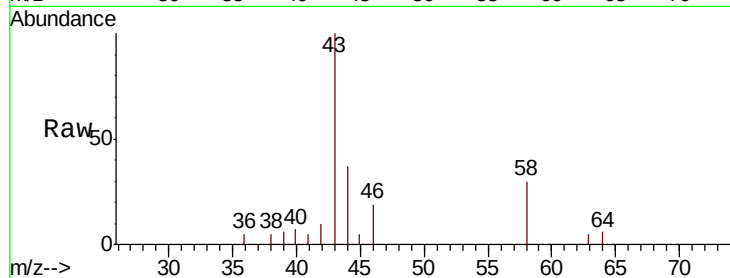
MDL07

Tot Ion: 43 Resp: 5685

Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018189.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV018189.D (-250) (-)

2.20

2500

2000

1500

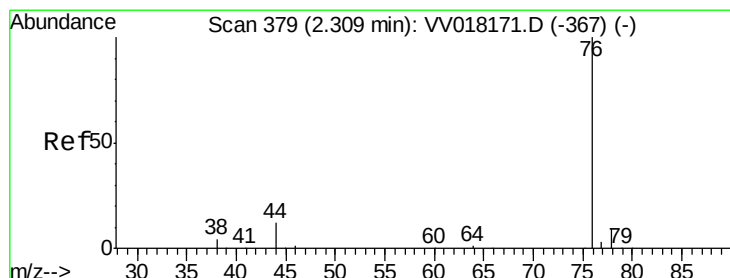
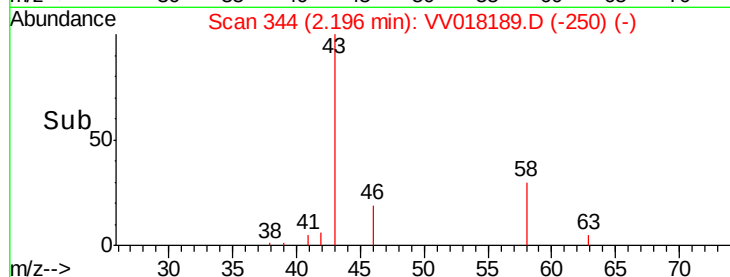
1000

500

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 2.442 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018189.D

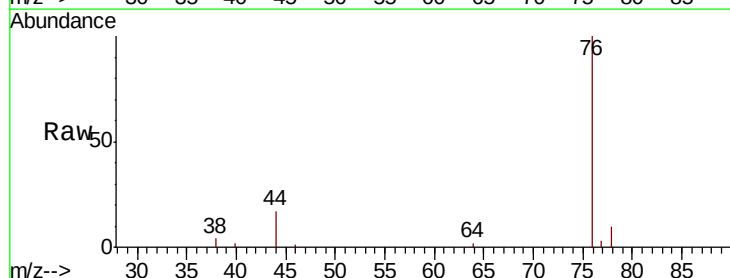
Acq: 10 Sep 2020 19:19

Tgt Ion: 76 Resp: 14057

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018189.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018189.D (-286) (-)

2.31

10000

8000

6000

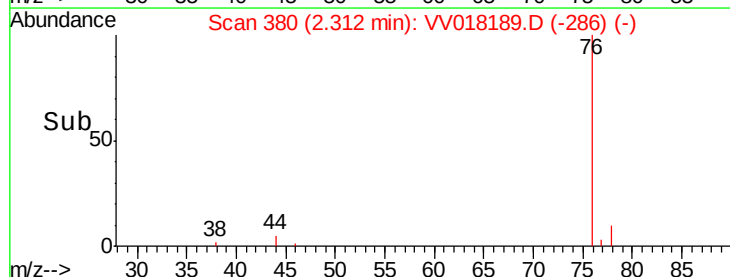
4000

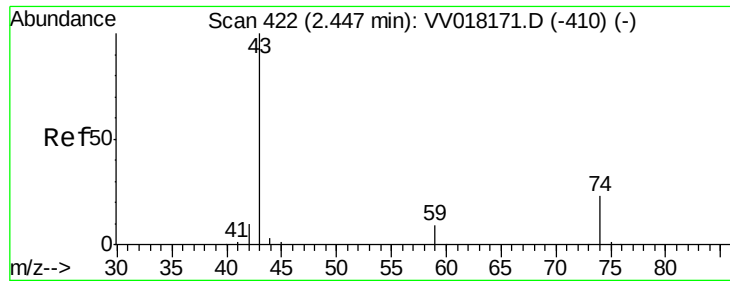
2000

0

Time-->

2.25 2.30 2.35

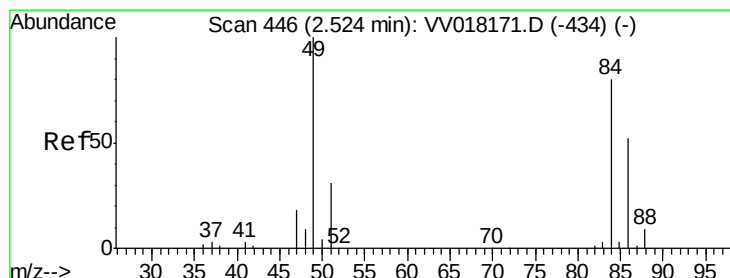
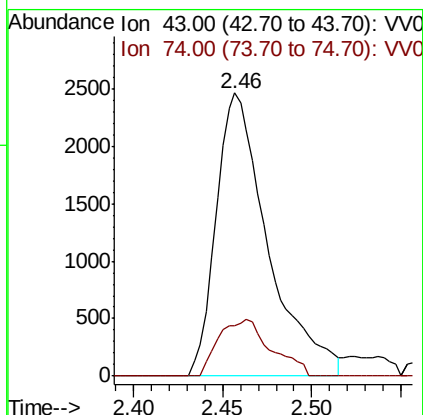
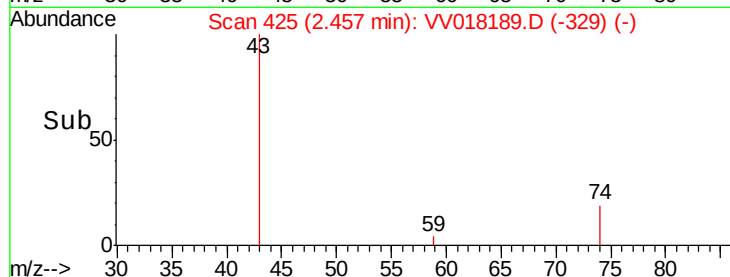
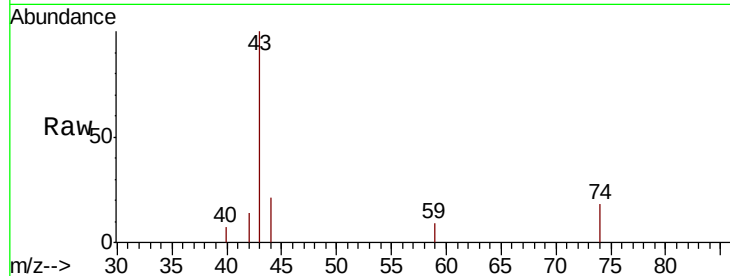




#15
Methvl Acetate
Concen: 2.408 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

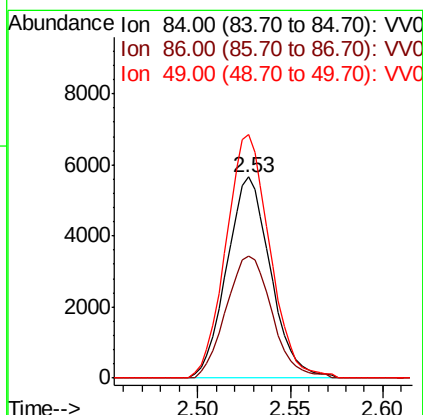
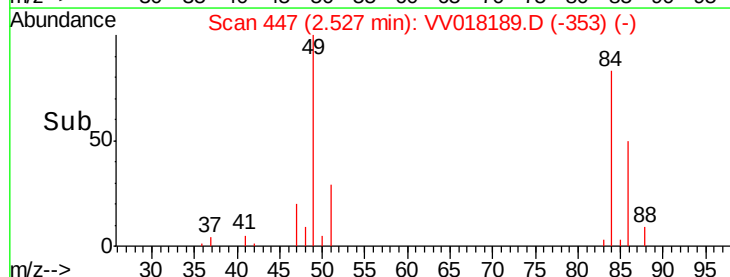
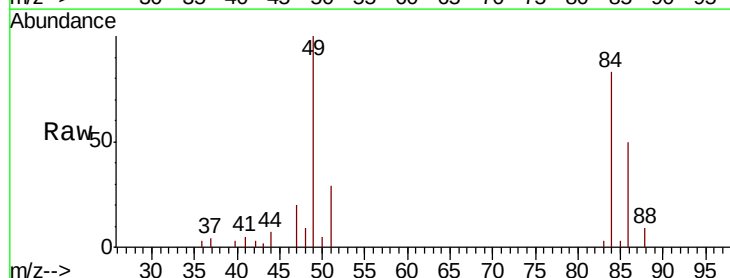
Instrument :
MSVOA_V
ClientSampled :
MDL07

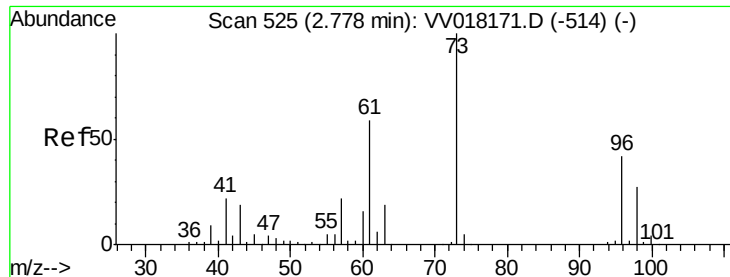
Tot Ion: 43 Resp: 4952
Ion Ratio Lower Upper
43 100
74 20.3 18.4 27.6



#16
Methylene chloride
Concen: 4.397 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion: 84 Resp: 9277
Ion Ratio Lower Upper
84 100
86 61.0 44.4 82.4
49 121.1 87.2 162.0

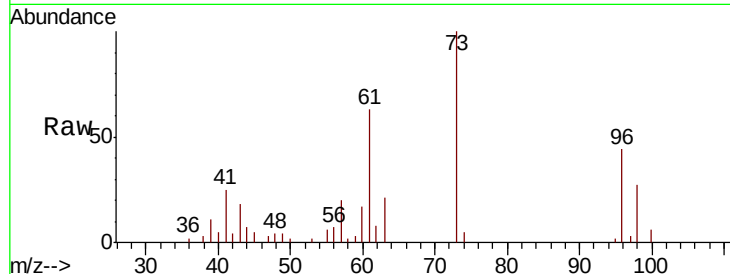




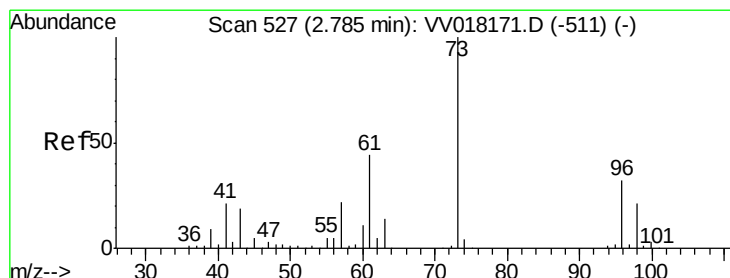
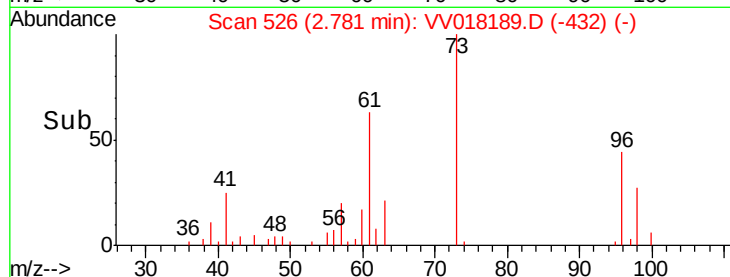
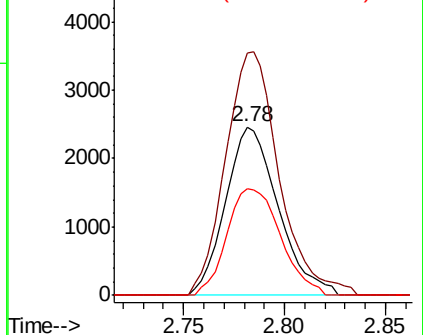
#17
trans-1,2-Dichloroethene
Concen: 2.316 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 96 Resp: 4491
Ion Ratio Lower Upper
96 100
61 144.2 100.7 186.9
98 63.2 45.2 84.0

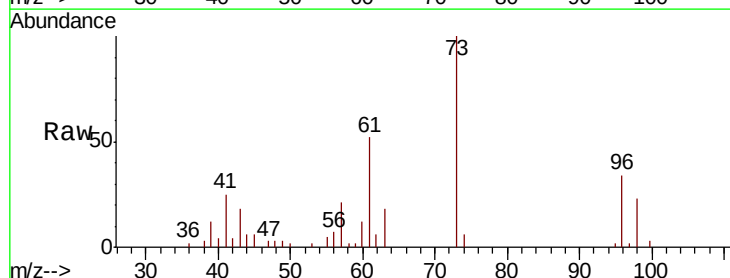


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

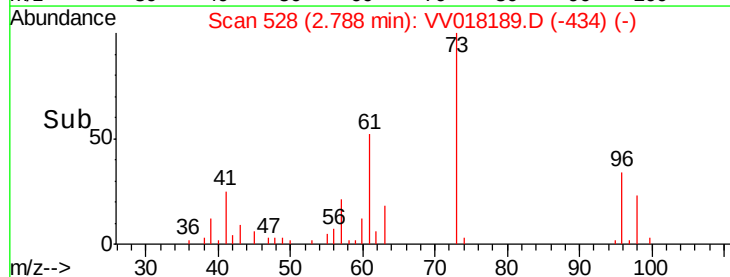
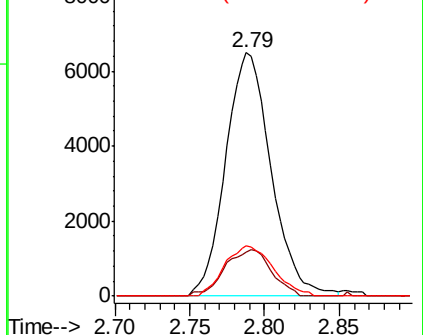


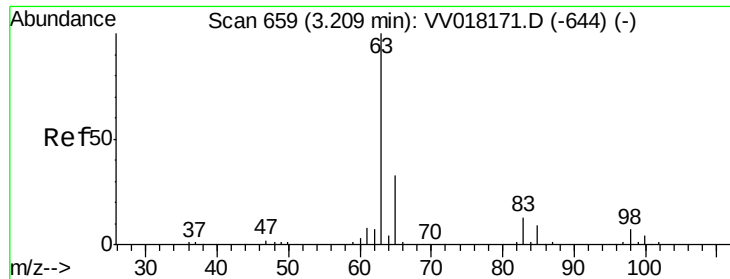
#18
Methyl tert-butyl Ether
Concen: 2.296 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion: 73 Resp: 13773
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.0
57 22.0 18.0 27.0



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

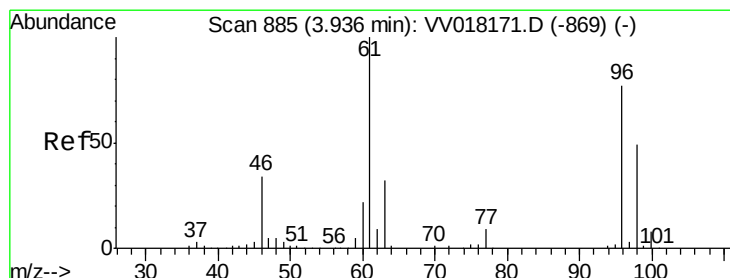
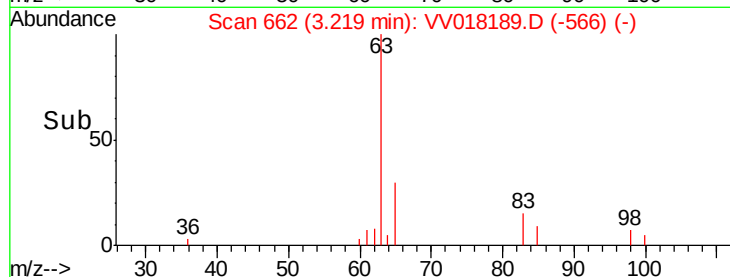
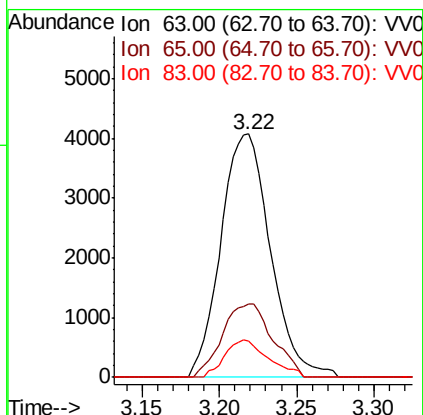
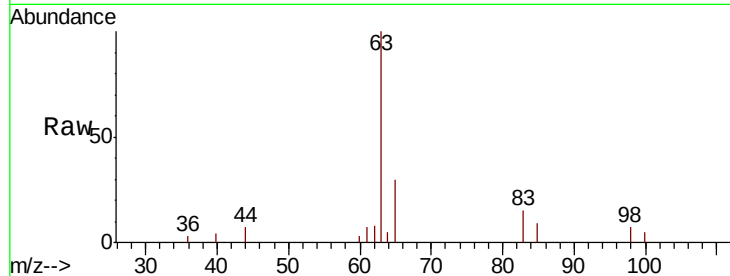




#19
 1,1-Dichloroethane
 Concen: 2.471 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

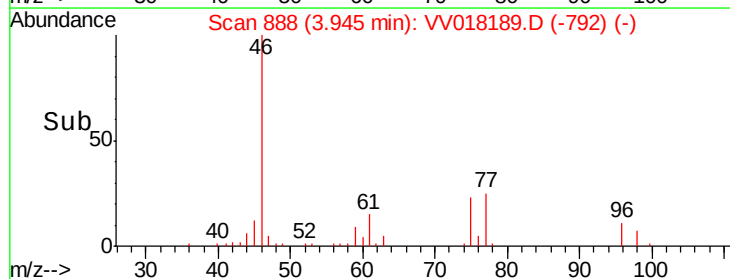
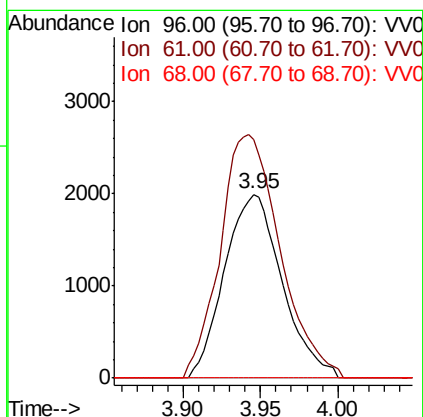
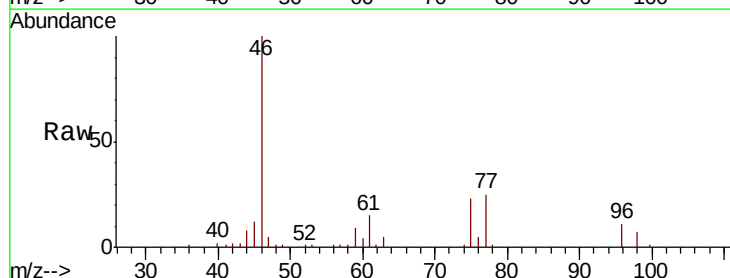
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

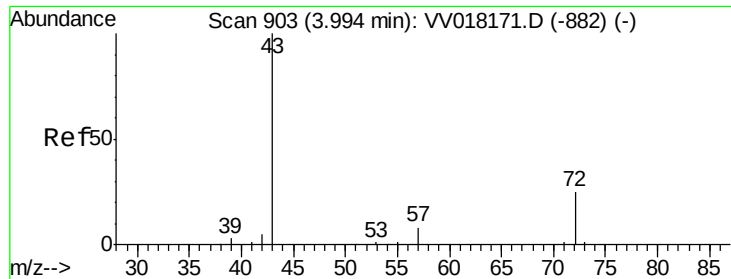
Tot Ion: 63 Resp: 9058
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.5 41.7
 83 14.7 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 2.493 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion: 96 Resp: 5166
 Ion Ratio Lower Upper
 96 100
 61 129.4 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 1.348 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.03 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

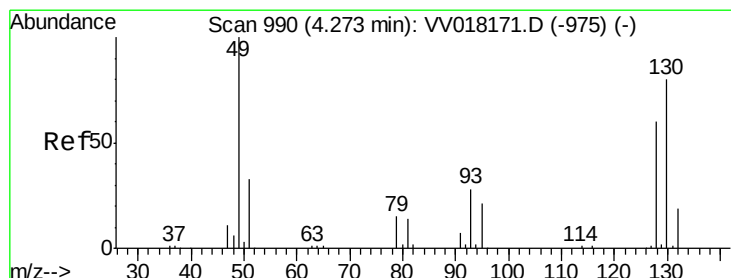
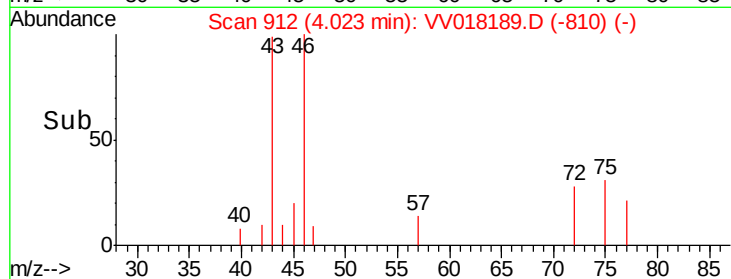
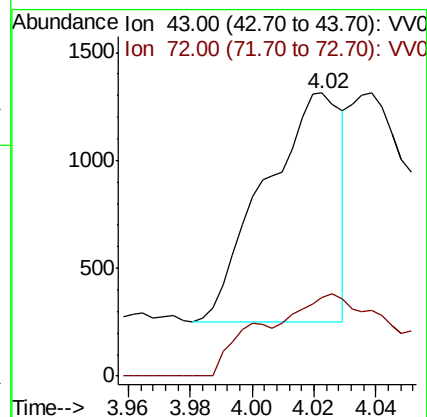
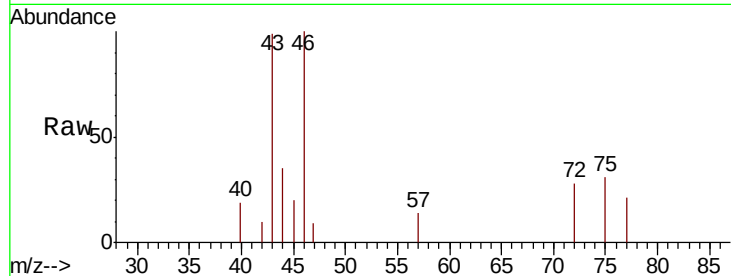
MDL07

Tot Ion: 43 Resp: 1827

Ion Ratio Lower Upper

43 100

72 24.4 13.1 39.3



#23

Bromochloromethane

Concen: 1.160 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Tgt Ion: 128 Resp: 1258

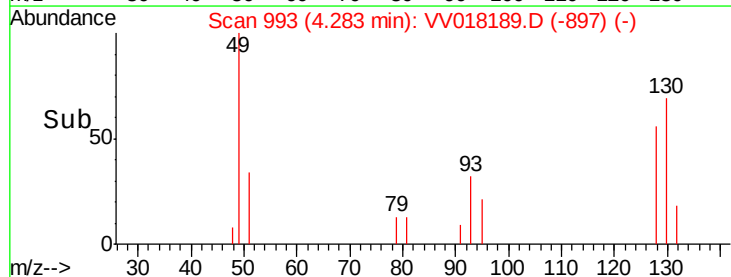
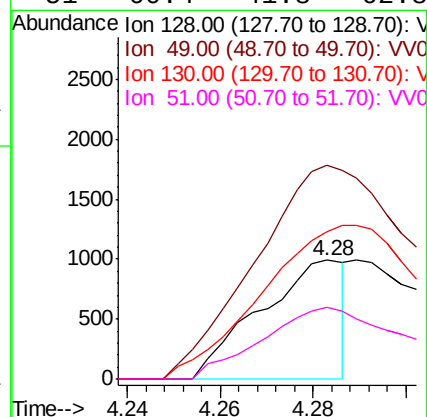
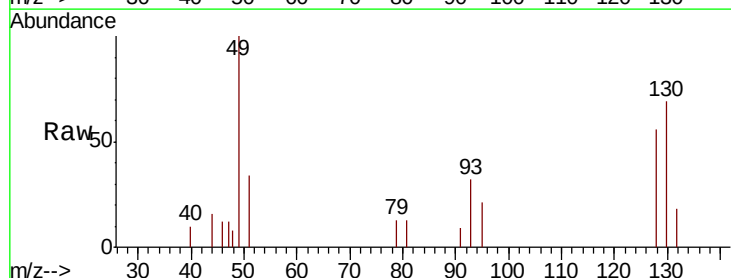
Ion Ratio Lower Upper

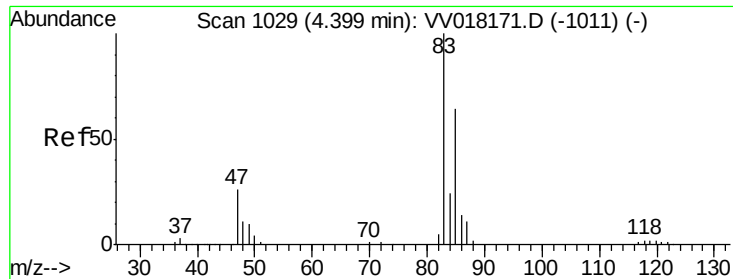
128 100

49 180.0 114.4 212.6

130 124.5 87.9 163.3

51 60.4 41.8 62.8

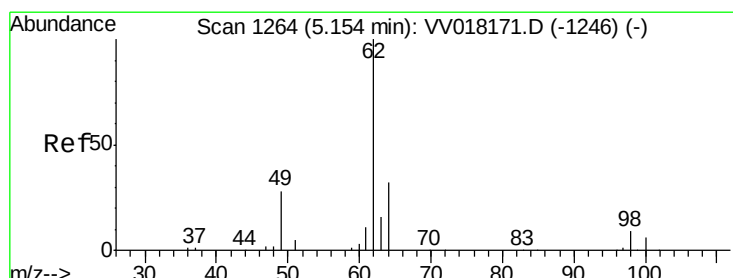
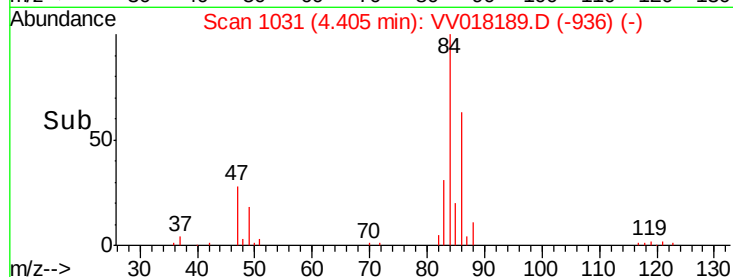
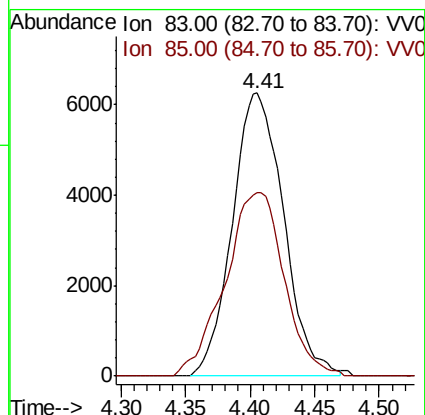
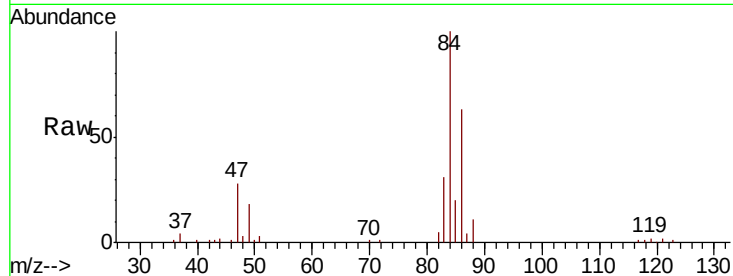




#25
Chloroform
Concen: 4.648 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

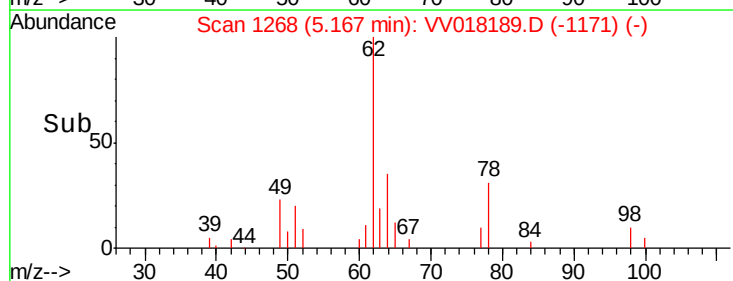
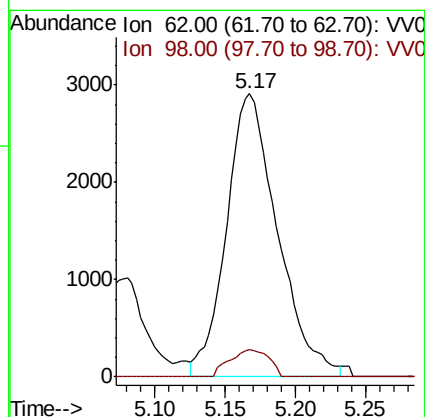
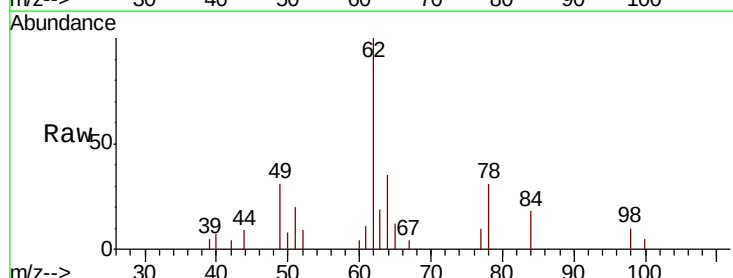
Instrument :
MSVOA_V
ClientSampled :
MDL07

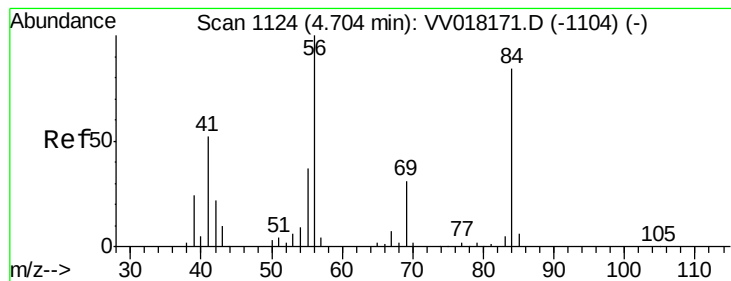
Tot Ion: 83 Resp: 17319
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 2.559 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion: 62 Resp: 7381
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4





#29

Cyclohexane

Concen: 2.184 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

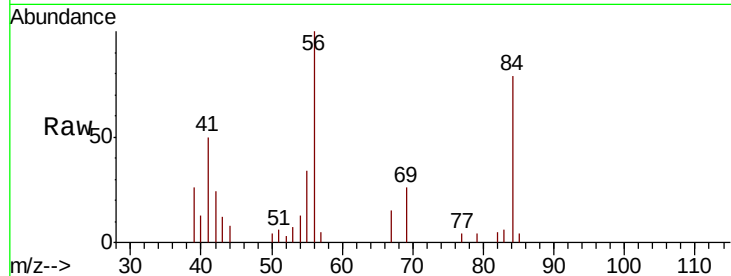
Tot Ion: 56 Resp: 7208

Ion Ratio Lower Upper

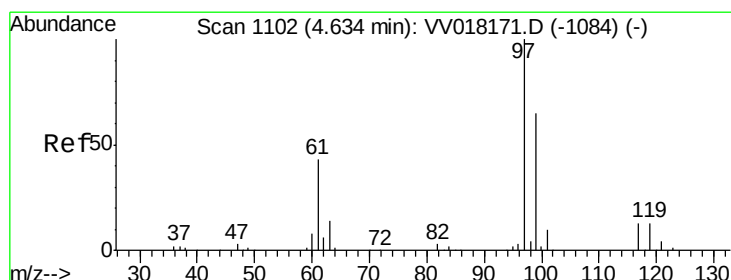
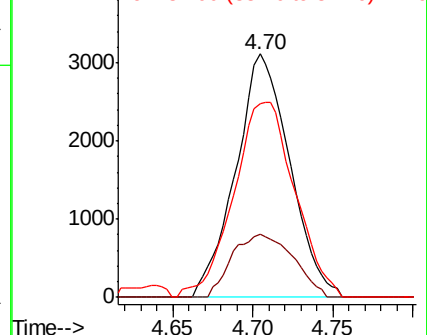
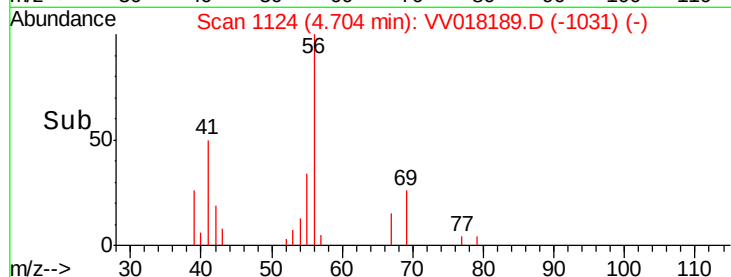
56 100

69 29.2 24.2 36.2

84 90.7 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV018189.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 2.251 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

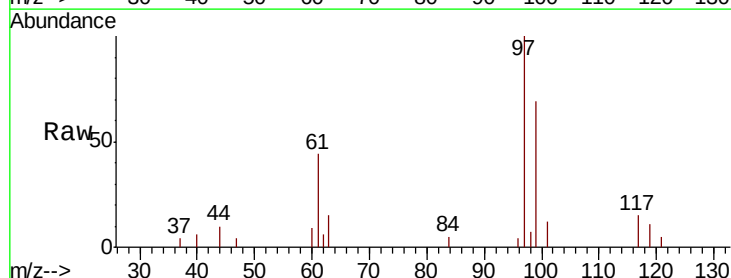
Tgt Ion: 97 Resp: 7467

Ion Ratio Lower Upper

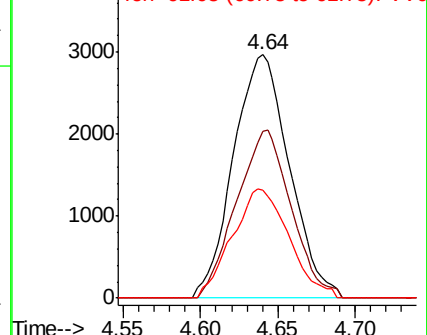
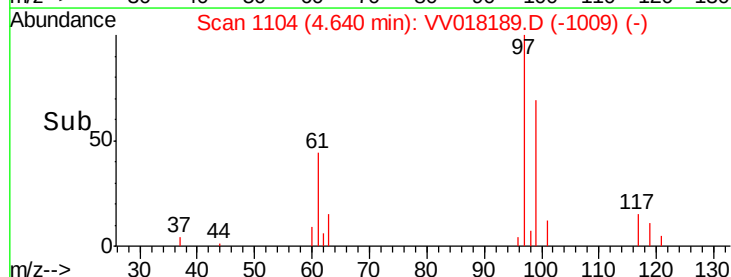
97 100

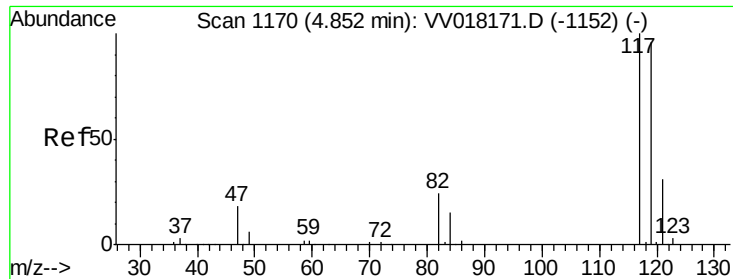
99 67.7 51.6 77.4

61 45.4 34.9 52.3



Abundance Ion 97.00 (96.70 to 97.70): VV018189.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 2.300 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

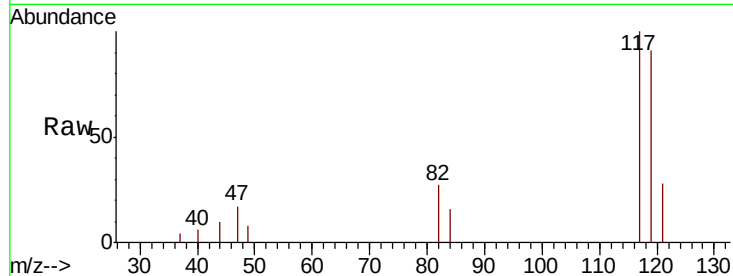
MDL07

Tot Ion:117 Resp: 6710

Ion Ratio Lower Upper

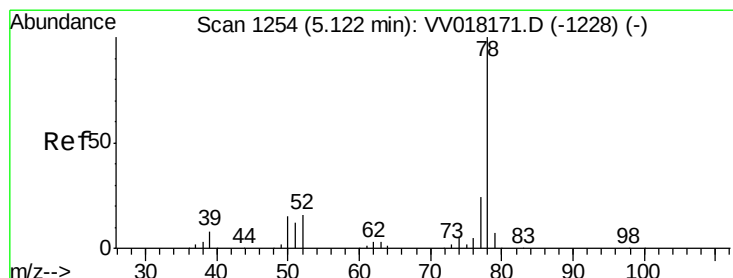
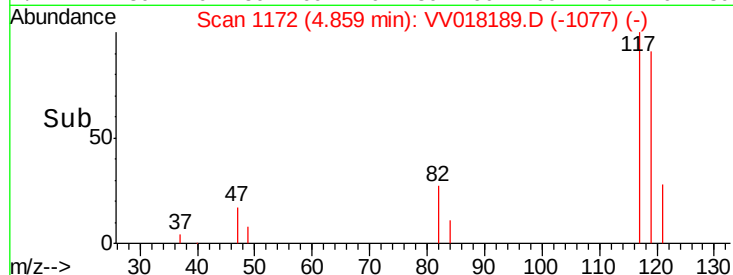
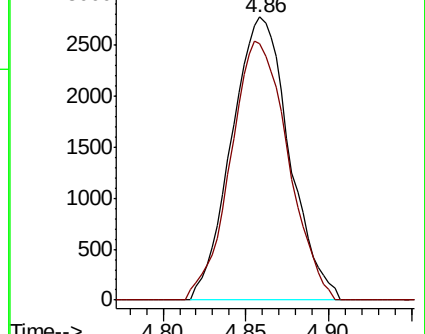
117 100

119 91.1 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.404 ug/L

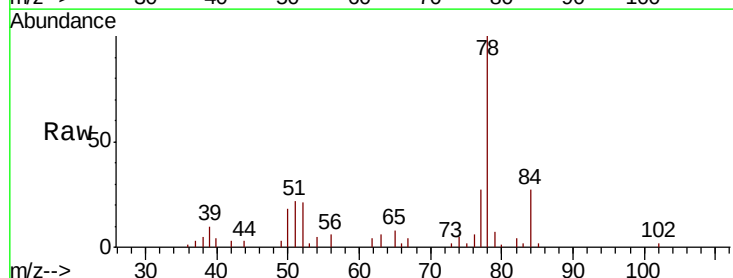
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

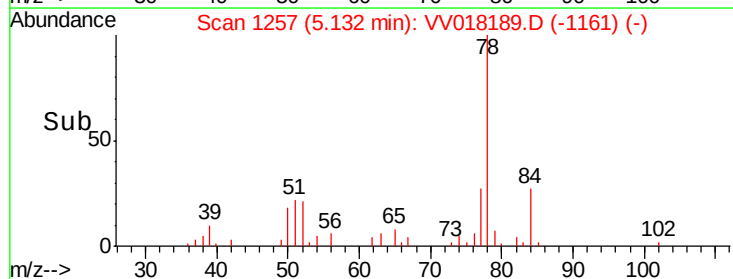
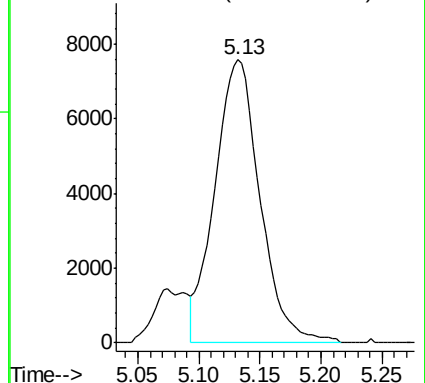
Lab File: VV018189.D

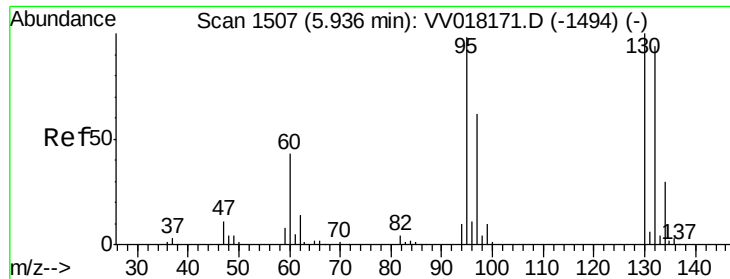
Acq: 10 Sep 2020 19:19

Tgt Ion: 78 Resp: 19646



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 2.537 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 95 Resp: 5649

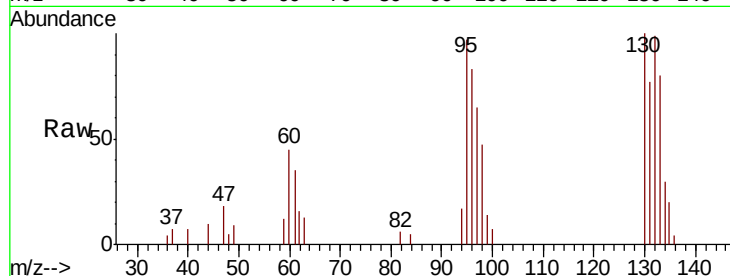
Ion Ratio Lower Upper

95 100

97 67.0 46.3 85.9

132 102.1 68.1 126.5

130 103.0 71.5 132.9

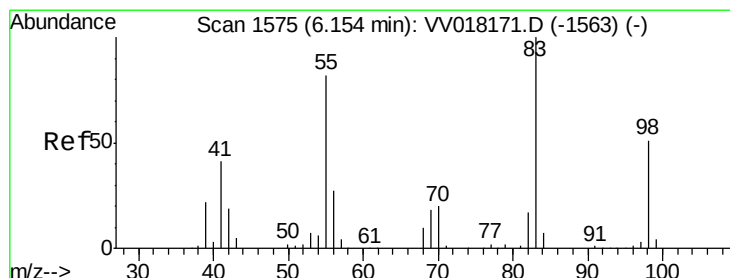
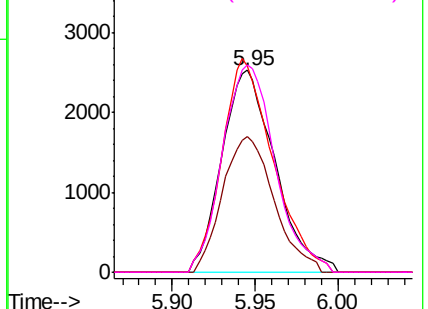
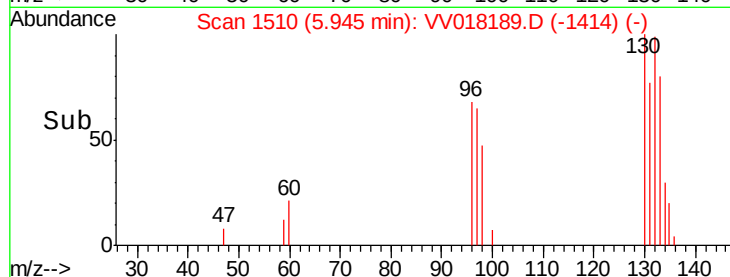


Abundance Ion 95.00 (94.70 to 95.70): VV018189.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV018189.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV018189.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV018189.D (-1494) (-)



#35

Methylcyclohexane

Concen: 2.295 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

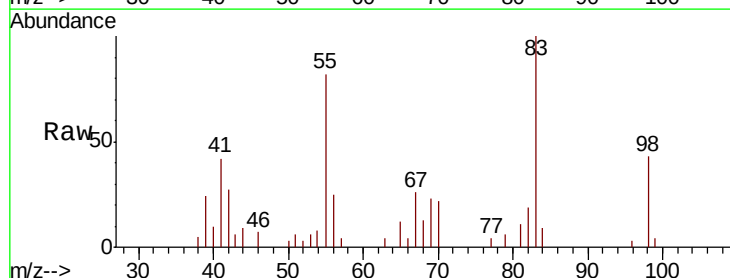
Tgt Ion: 83 Resp: 7694

Ion Ratio Lower Upper

83 100

55 80.7 63.4 95.2

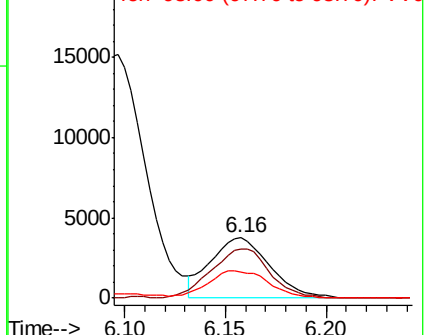
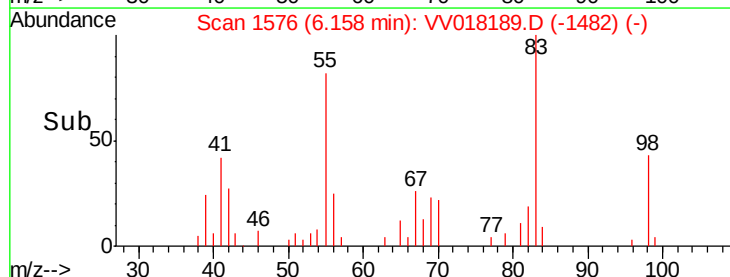
98 46.5 38.8 58.2

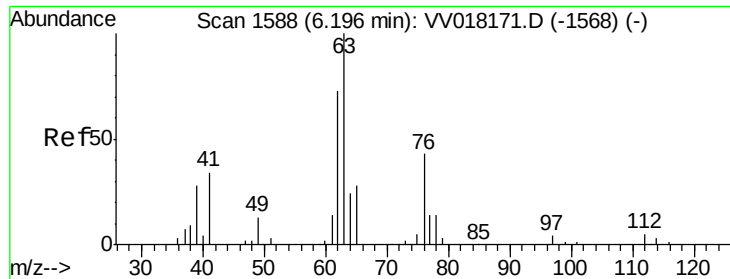


Abundance Ion 83.00 (82.70 to 83.70): VV018189.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV018189.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV018189.D (-1482) (-)

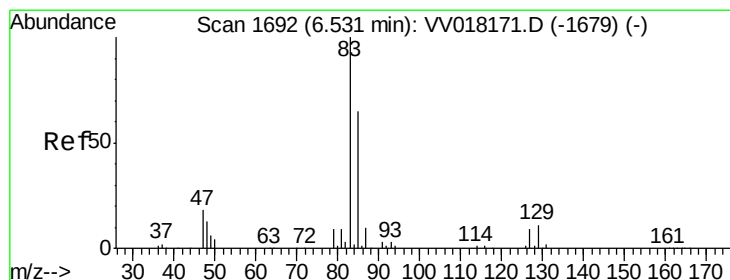
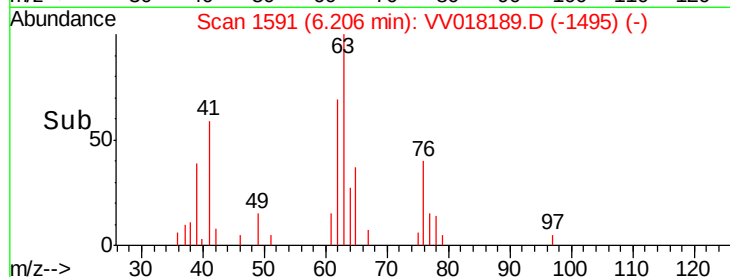
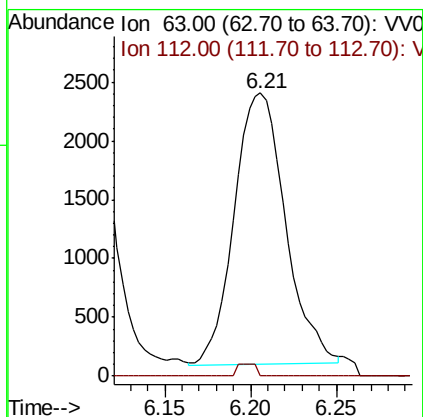
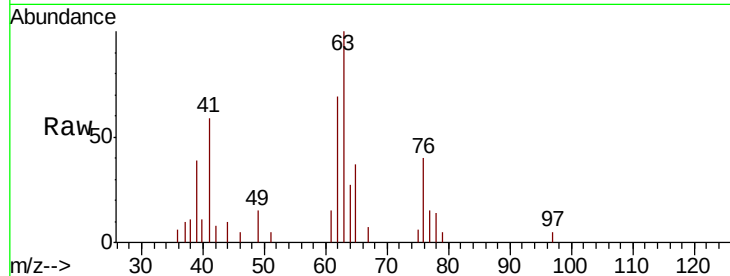




#37
 1,2-Dichloropropane
 Concen: 2.208 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

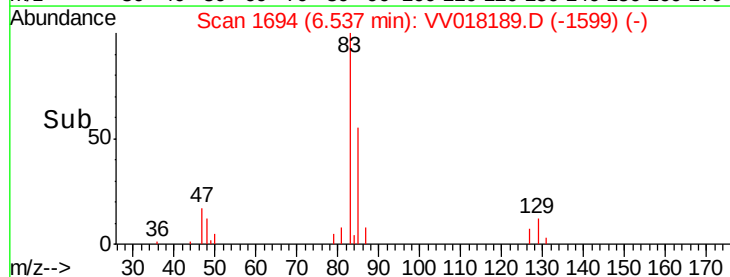
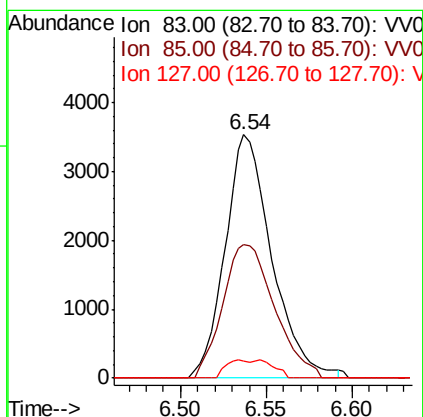
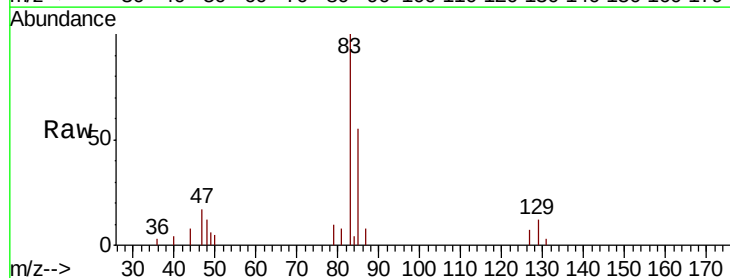
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

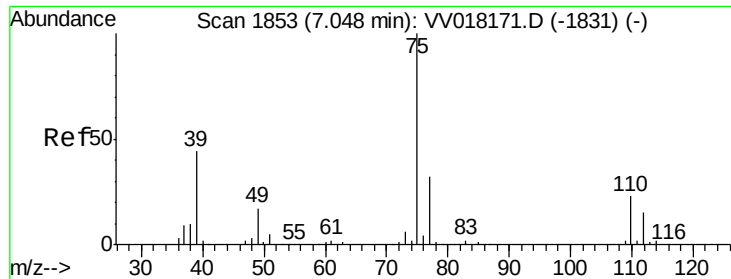
Tot Ion: 63 Resp: 4782
 Ion Ratio Lower Upper
 63 100
 112 1.3 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 2.372 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion: 83 Resp: 6686
 Ion Ratio Lower Upper
 83 100
 85 54.8 44.7 82.9
 127 6.8 6.7 10.1

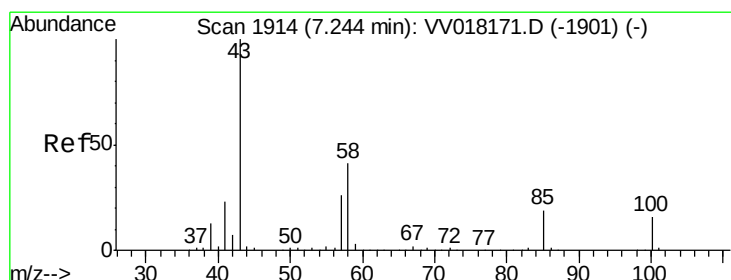
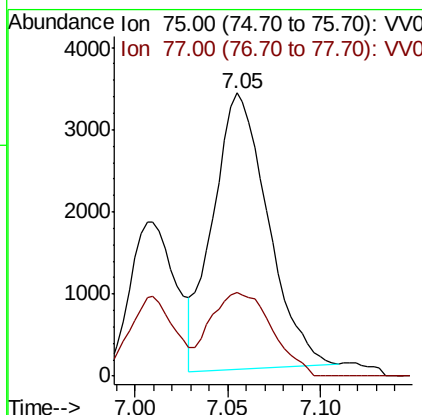
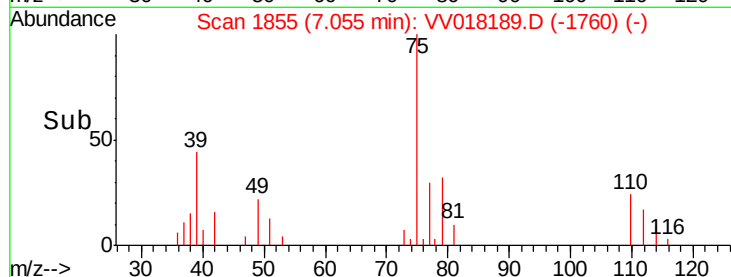
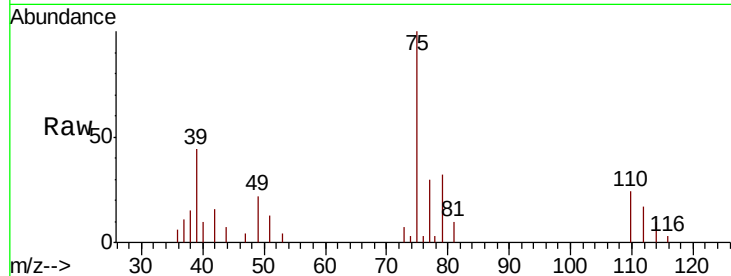




#39
 cis-1,3-Dichloropropene
 Concen: 2.068 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

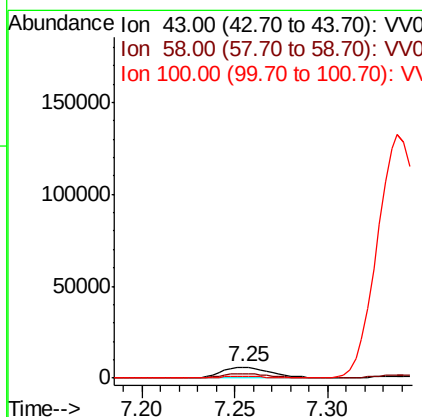
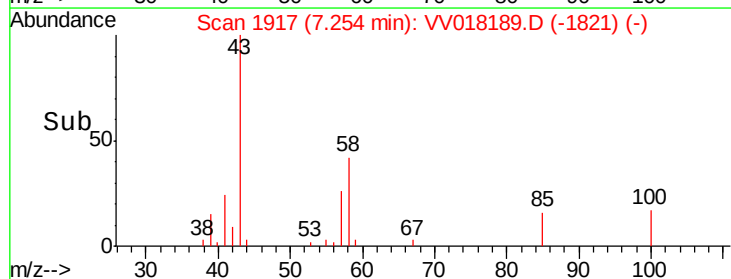
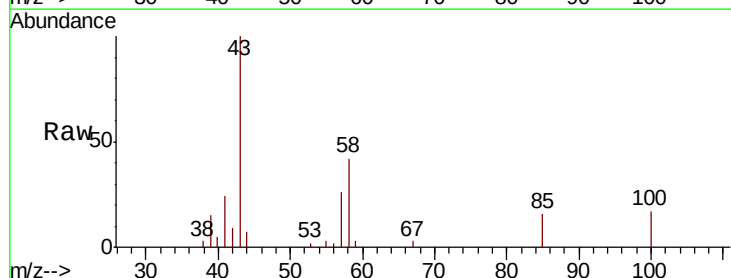
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

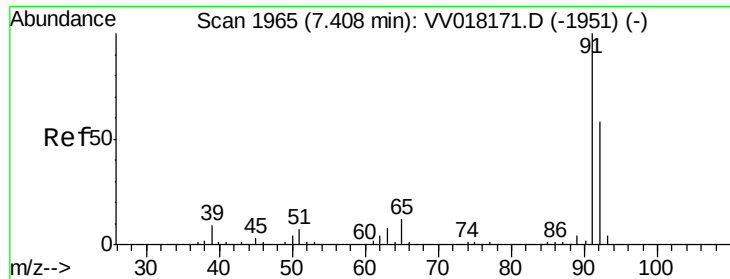
Tot Ion: 75 Resp: 6902
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 4.175 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion: 43 Resp: 10969
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.4 48.6
 100 16.0 12.7 19.1





#42

Toluene

Concen: 2.372 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

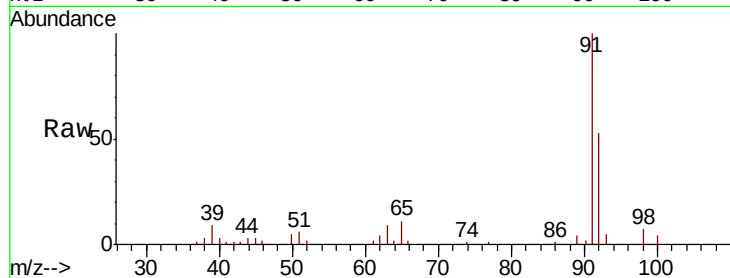
MDL07

Tot Ion: 91 Resp: 20514

Ion Ratio Lower Upper

91 100

92 53.4 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

12000

10000

8000

6000

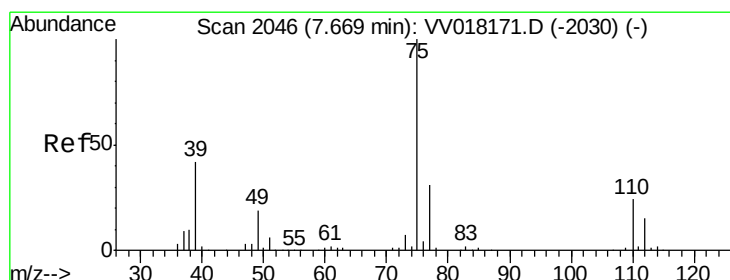
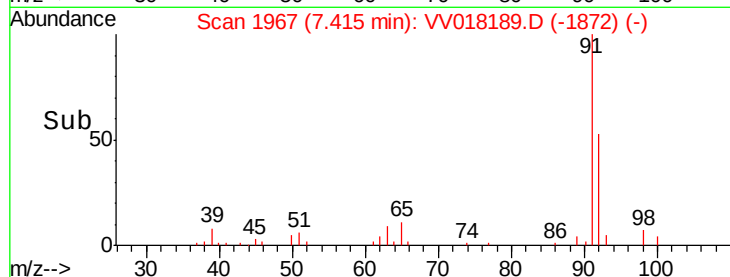
4000

2000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 2.400 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV018189.D

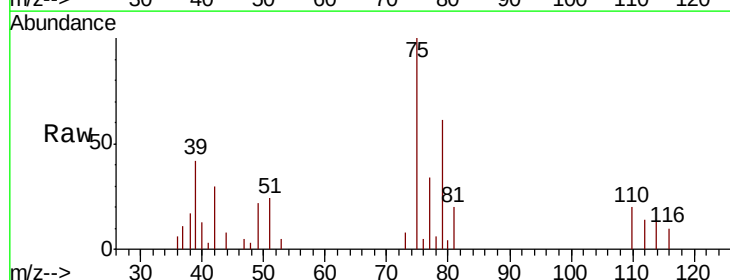
Acq: 10 Sep 2020 19:19

Tgt Ion: 75 Resp: 7798

Ion Ratio Lower Upper

75 100

77 34.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.68

4000

3000

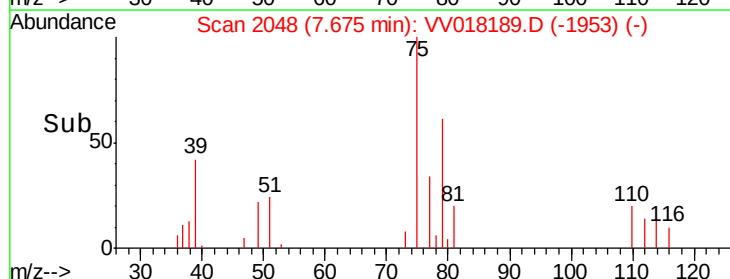
2000

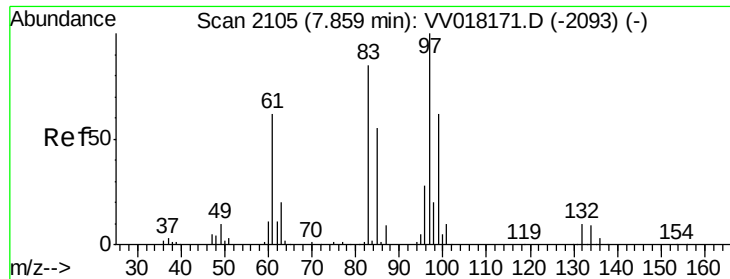
1000

0

Time-->

7.65 7.70 7.75

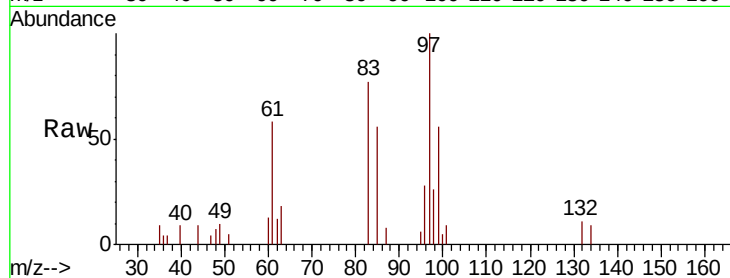




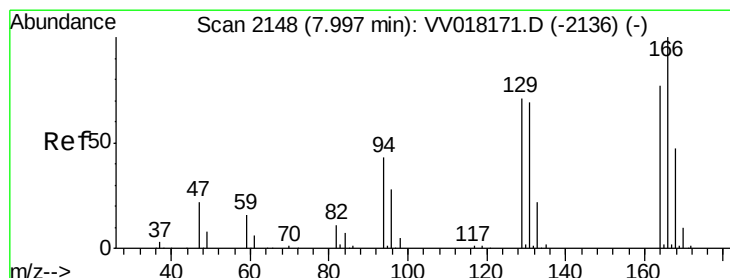
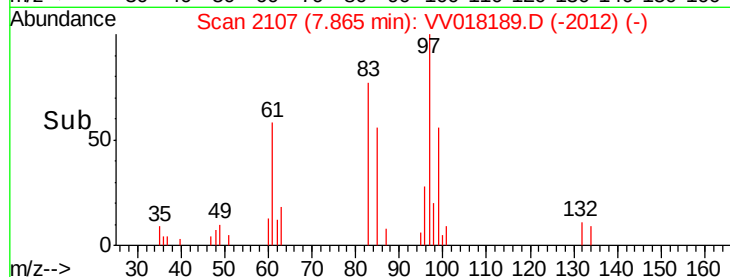
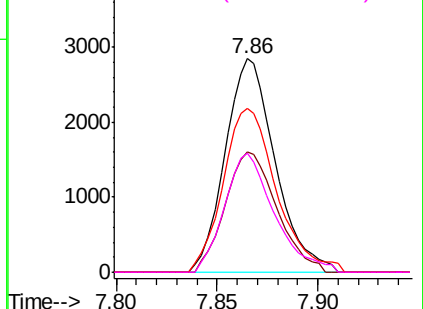
#45
1,1,2-Trichloroethane
Concen: 2.456 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:	97	Resp:	4931
Ion	Ratio	Lower	Upper
97	100		
99	56.1	43.7	81.1
83	76.8	59.9	111.3
85	55.5	37.6	69.8

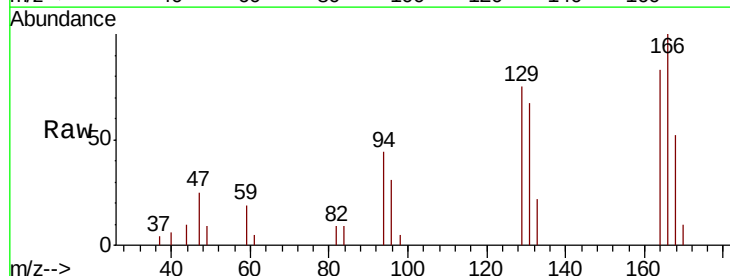


Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

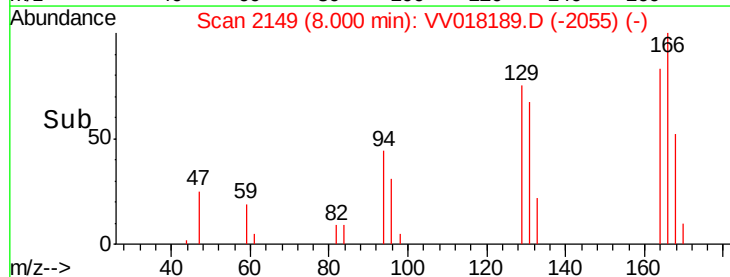
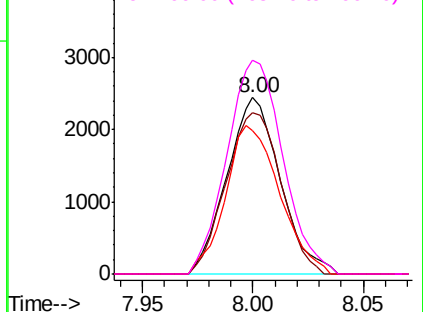


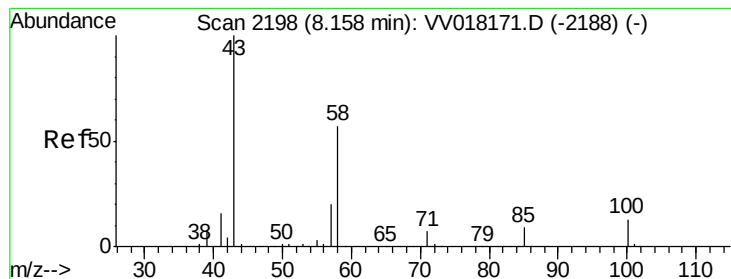
#46
Tetrachloroethene
Concen: 2.350 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion:	164	Resp:	4103
Ion	Ratio	Lower	Upper
164	100		
129	91.3	64.5	119.7
131	81.4	61.8	114.8
166	121.1	90.6	168.2



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 7.770 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 16095

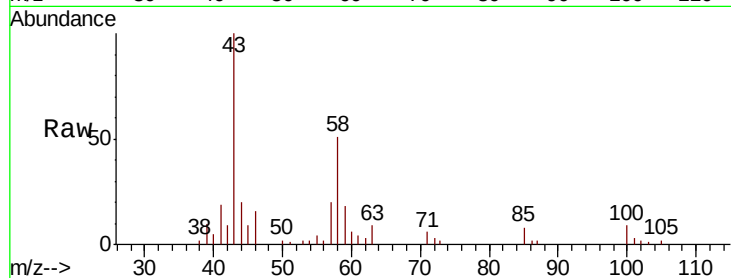
Ion Ratio Lower Upper

43 100

58 52.2 44.8 67.2

57 21.9 15.8 23.6

100 10.3 10.2 15.4

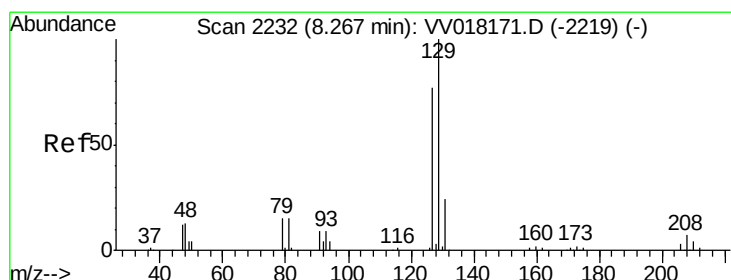
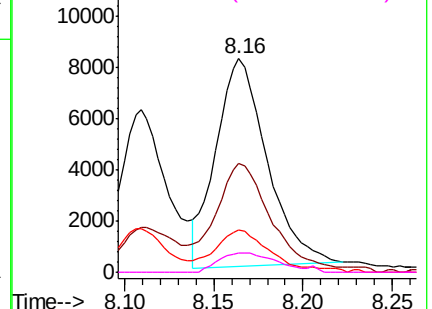
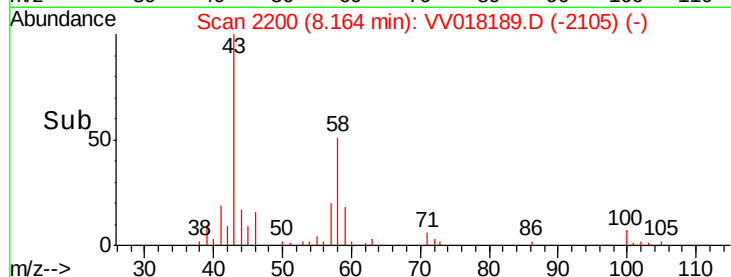


Abundance Ion 43.00 (42.70 to 43.70): VV018189.D (-2195) (-)

Ion 58.00 (57.70 to 58.70): VV018189.D (-2195) (-)

Ion 57.00 (56.70 to 57.70): VV018189.D (-2195) (-)

Ion 100.00 (99.70 to 100.70): VV018189.D (-2195) (-)



#49

Dibromochloromethane

Concen: 2.235 ug/L

RT: 8.27 min Scan# 2234

Delta R.T. 0.01 min

Lab File: VV018189.D

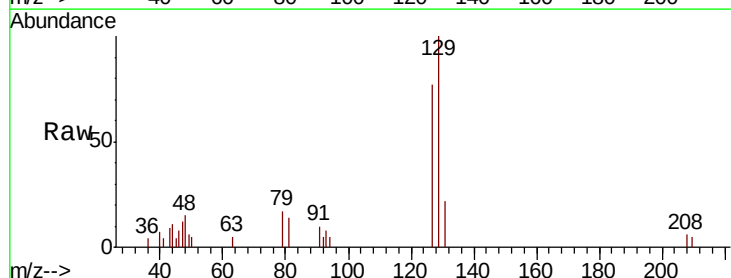
Acq: 10 Sep 2020 19:19

Tgt Ion: 129 Resp: 5037

Ion Ratio Lower Upper

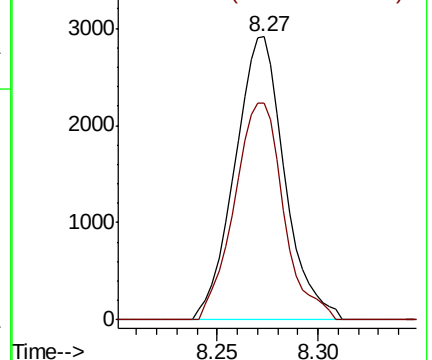
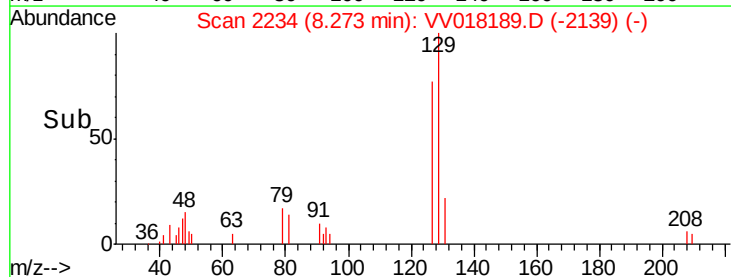
129 100

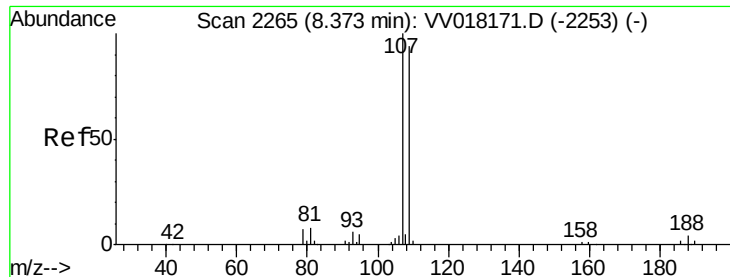
127 76.8 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018189.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV018189.D (-2139) (-)

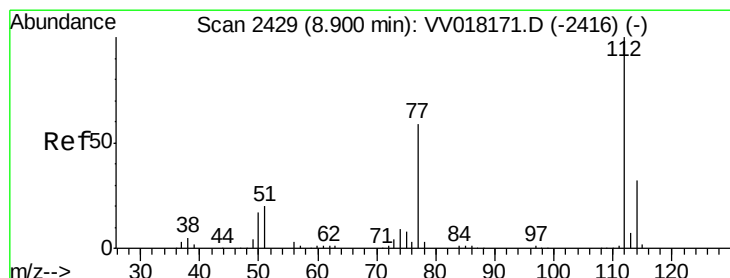
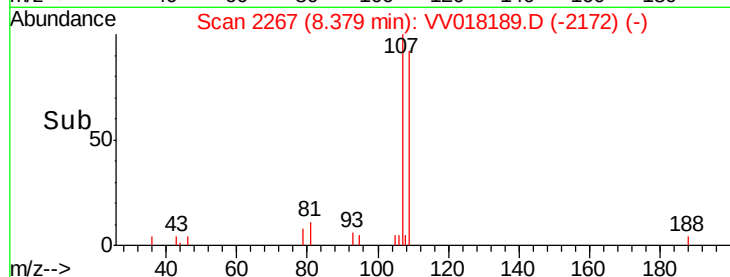
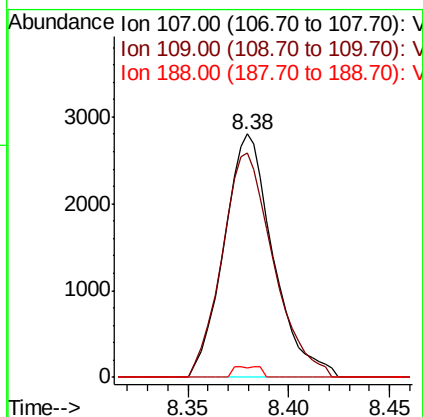
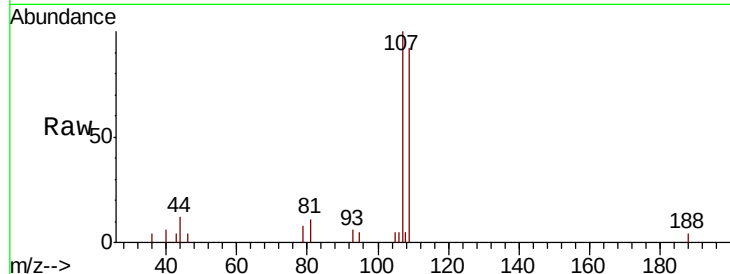




#50
 1,2-Dibromoethane
 Concen: 2.259 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

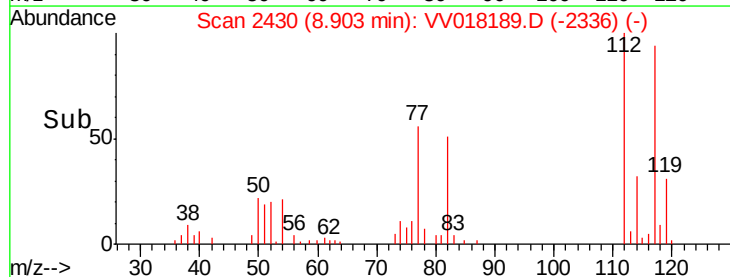
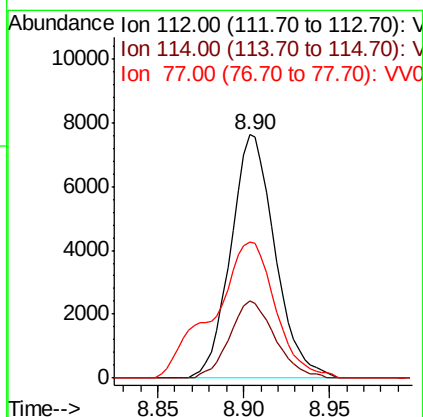
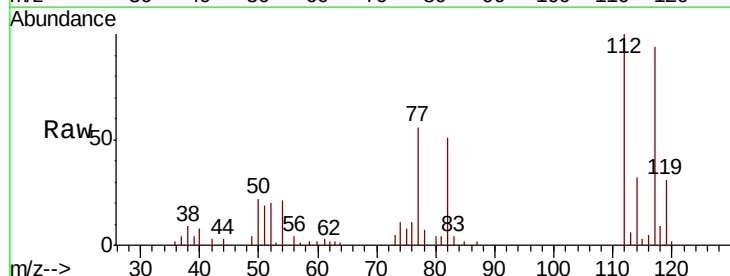
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

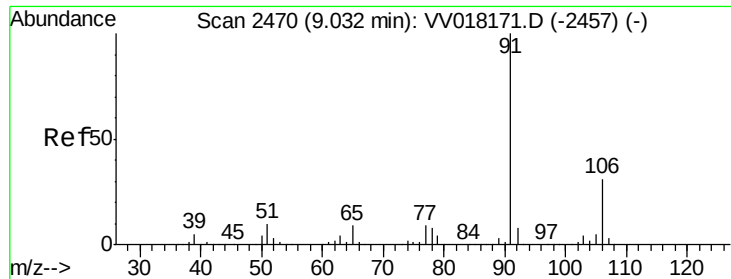
Tot Ion:107 Resp: 4772
 Ion Ratio Lower Upper
 107 100
 109 92.0 66.1 122.8
 188 4.1 3.2 4.8



#51
 Chlorobenzene
 Concen: 2.435 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion:112 Resp: 13676
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.6 42.0
 77 56.2 48.0 72.0





#52

Ethylbenzene

Concen: 2.192 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

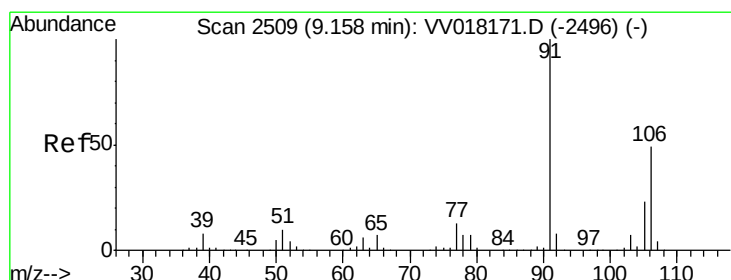
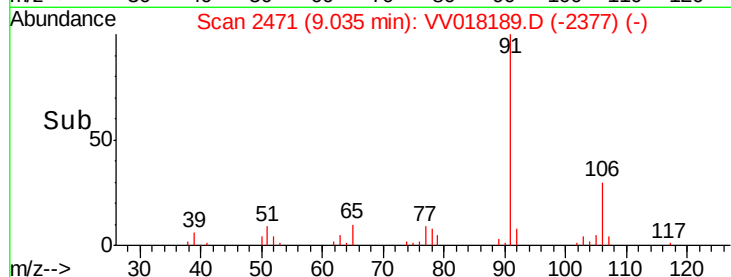
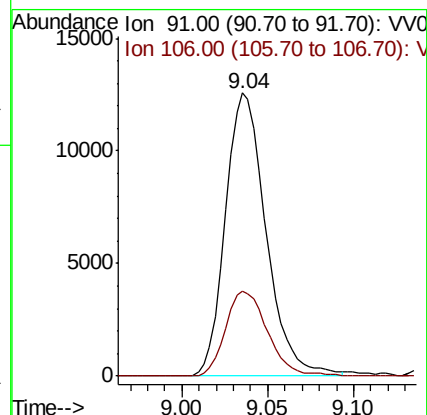
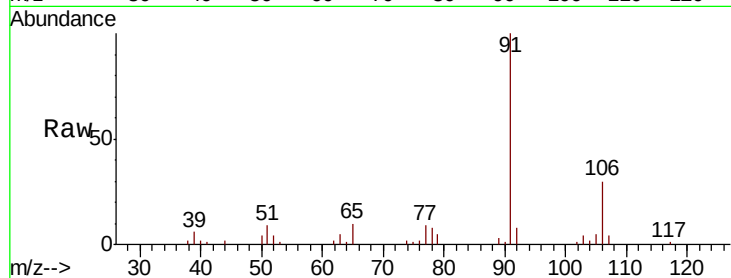
MDL07

Tot Ion: 91 Resp: 20701

Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.5



#53

m,p-Xylene

Concen: 2.184 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018189.D

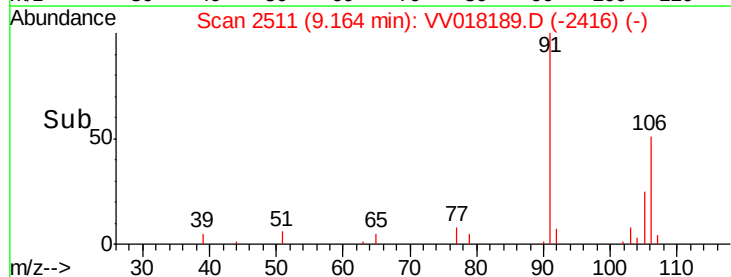
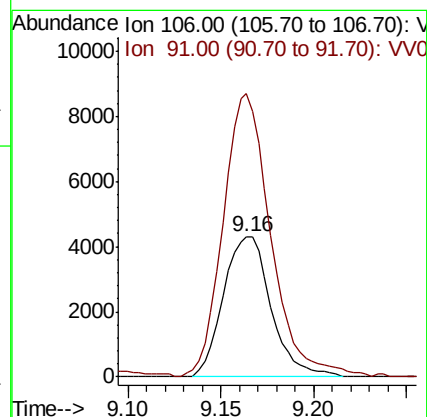
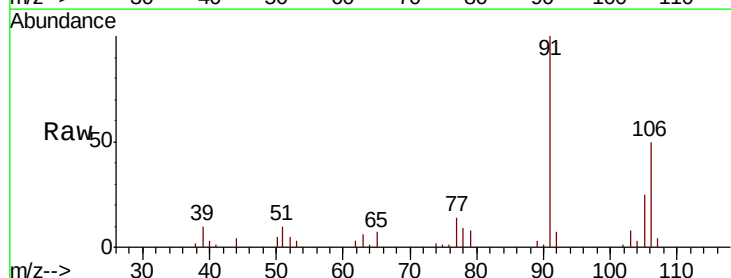
Acq: 10 Sep 2020 19:19

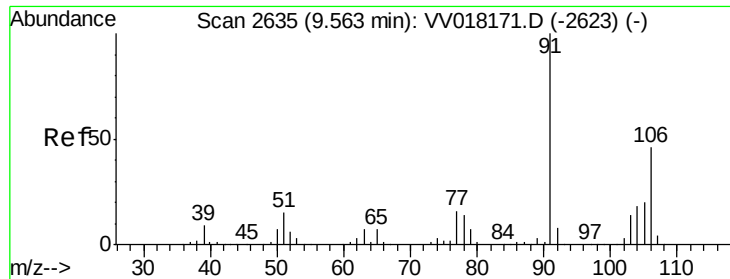
Tgt Ion: 106 Resp: 7697

Ion Ratio Lower Upper

106 100

91 201.3 146.7 272.5

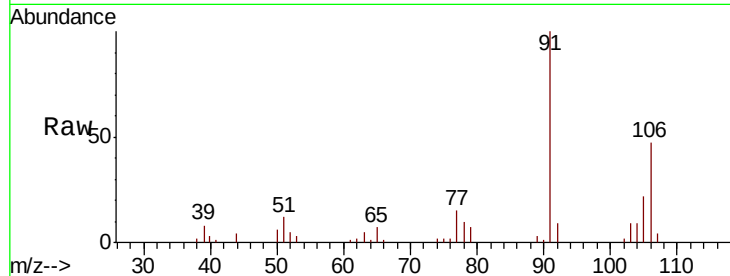




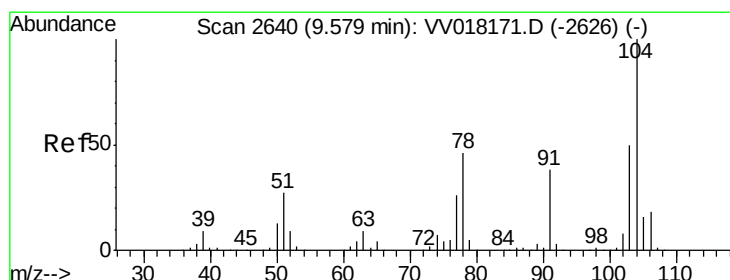
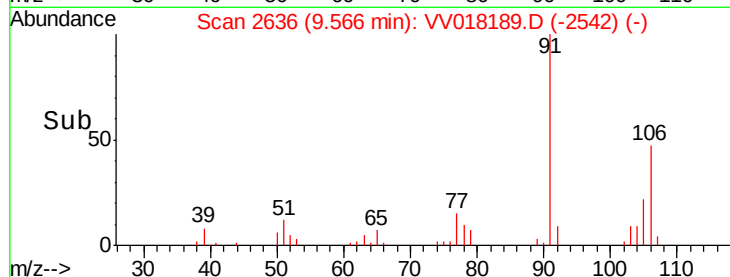
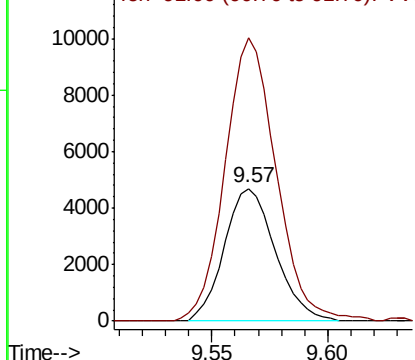
#54
o-xylene
Concen: 2.117 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:106 Resp: 7188
Ion Ratio Lower Upper
106 100
91 212.9 152.2 282.6

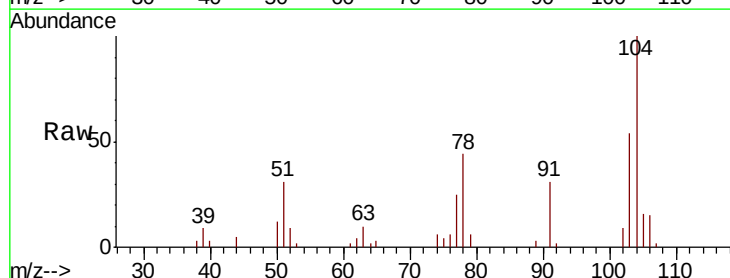


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

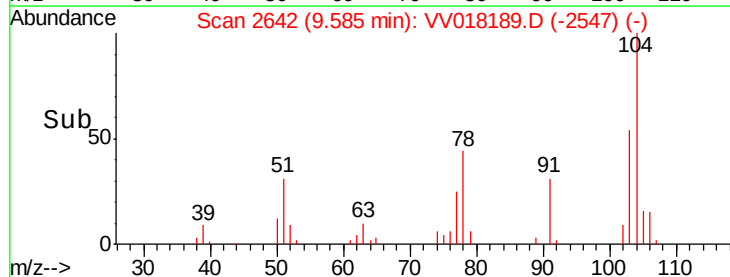
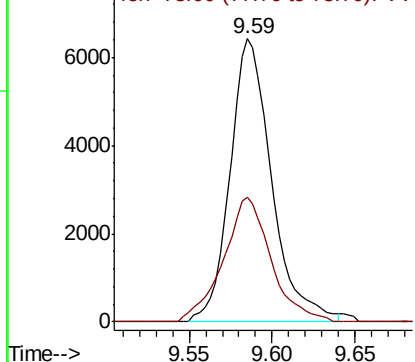


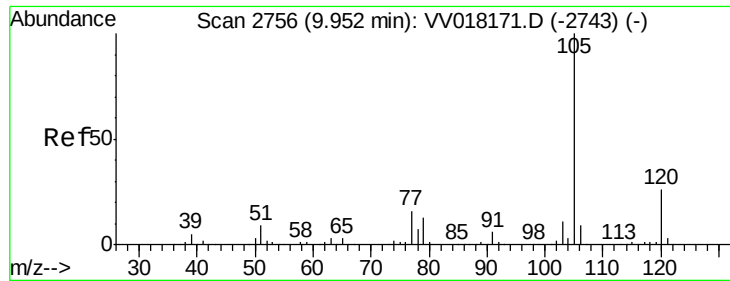
#55
Styrene
Concen: 1.902 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion:104 Resp: 11227
Ion Ratio Lower Upper
104 100
78 44.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.004 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

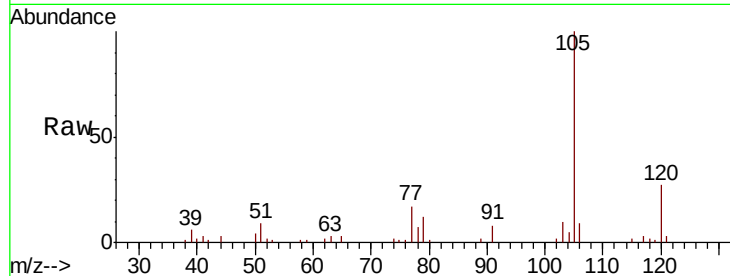
Tot Ion:105 Resp: 18339

Ion Ratio Lower Upper

105 100

120 26.5 20.9 31.3

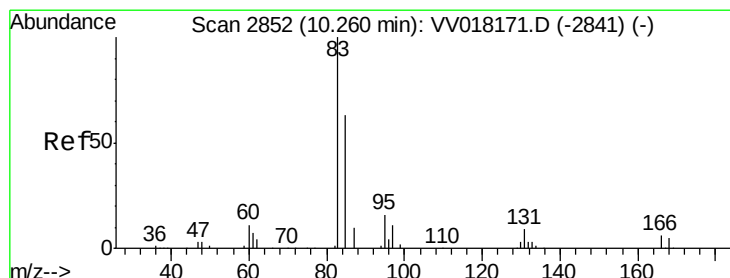
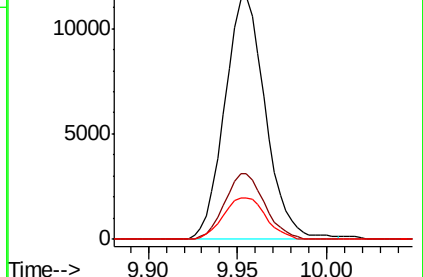
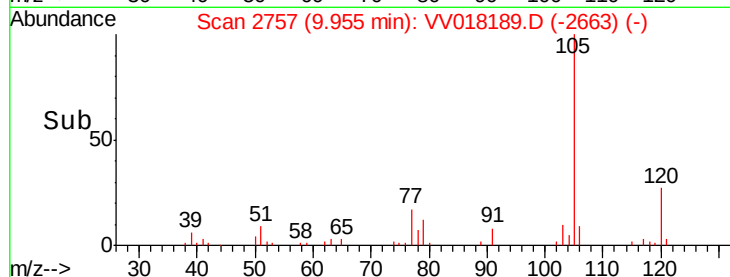
77 17.6 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.556 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

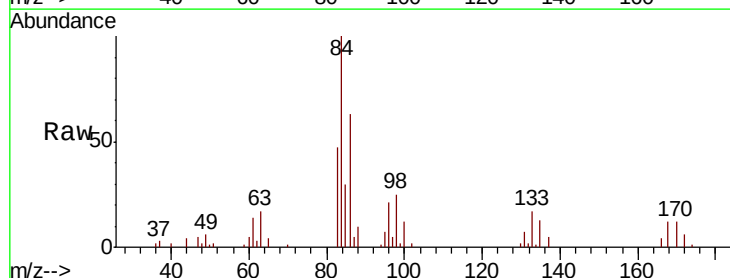
Tgt Ion: 83 Resp: 7591

Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.2

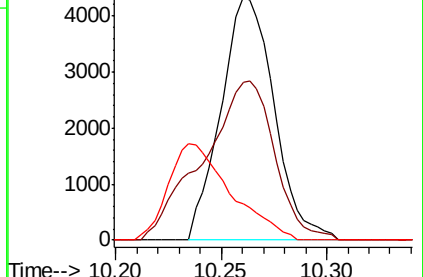
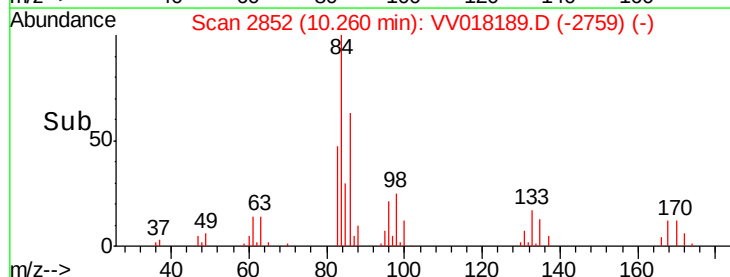
131 14.7 8.0 12.0#

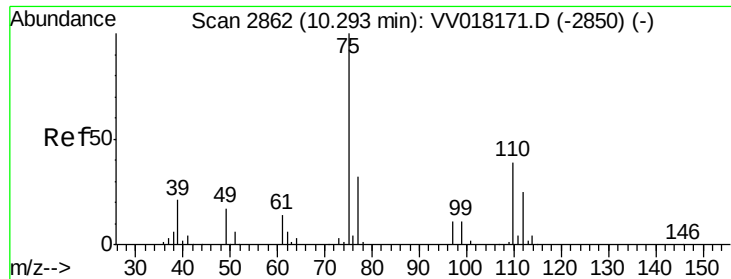


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.436 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

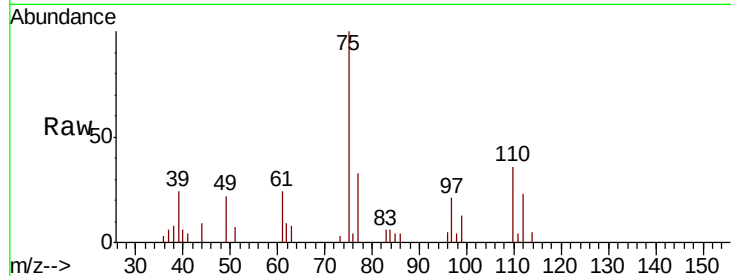
MDL07

Tot Ion: 75 Resp: 6205

Ion Ratio Lower Upper

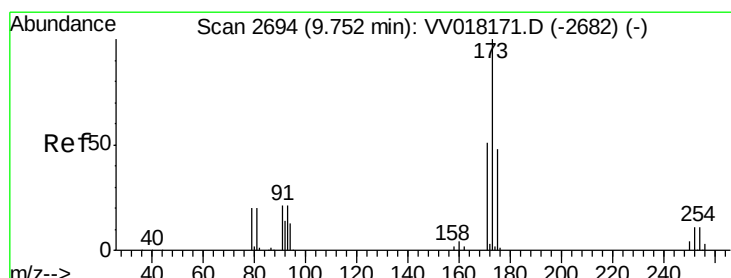
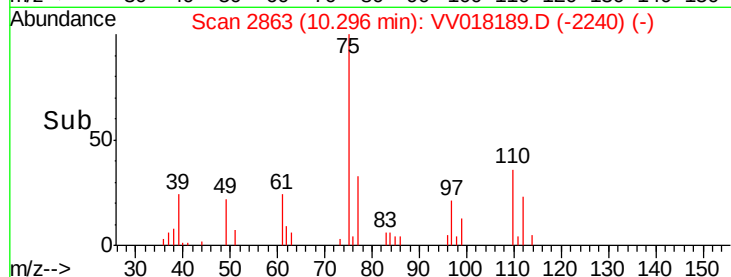
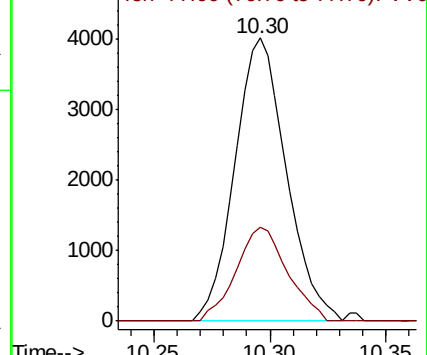
75 100

77 33.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 2.070 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

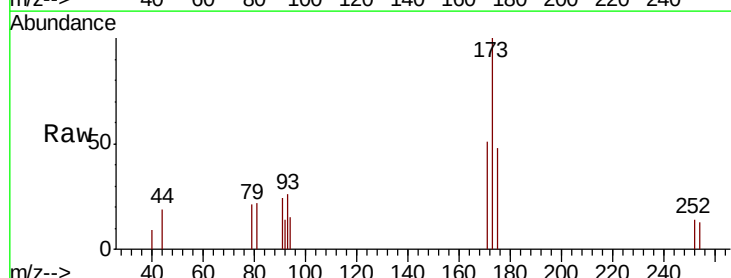
Tgt Ion: 173 Resp: 3209

Ion Ratio Lower Upper

173 100

175 46.2 39.0 58.6

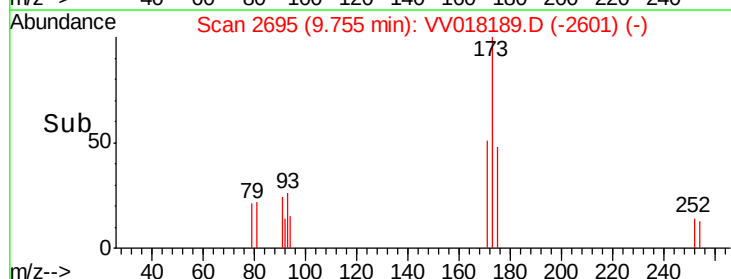
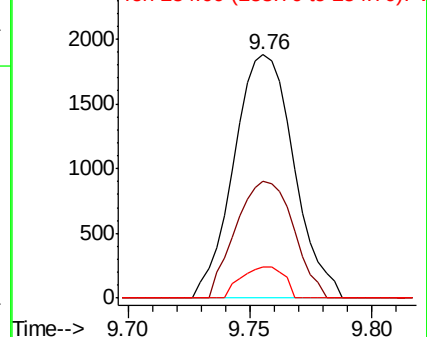
254 9.1 9.0 13.4

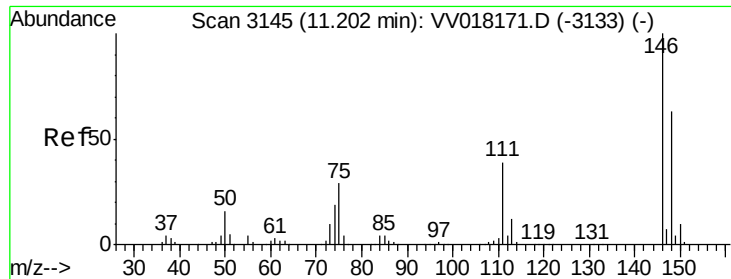


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 2.453 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

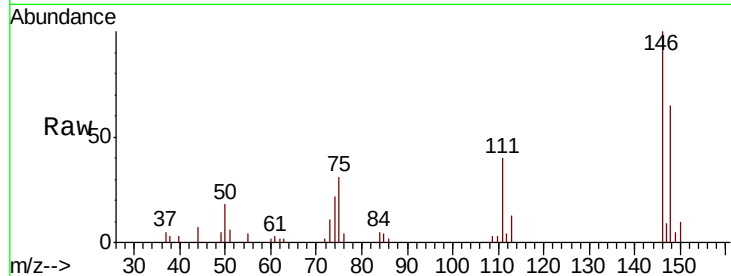
Tot Ion:146 Resp: 10525

Ion Ratio Lower Upper

146 100

111 40.0 27.6 51.2

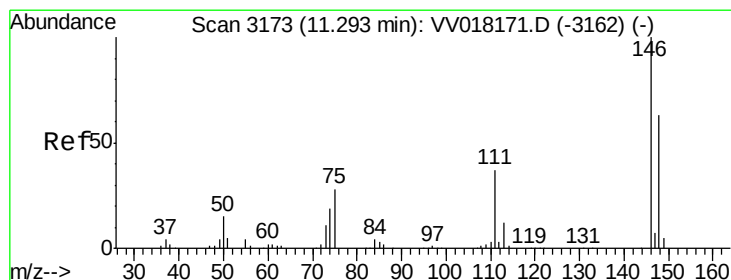
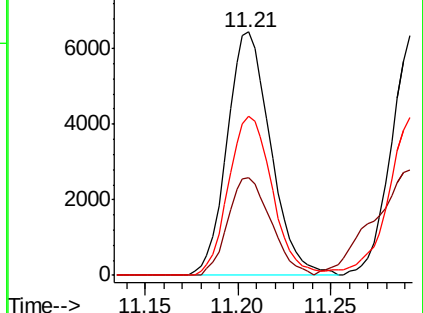
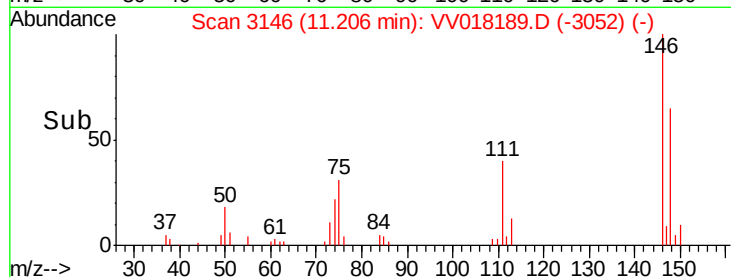
148 65.4 45.4 84.2



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



#63

1,4-Dichlorobenzene

Concen: 2.595 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

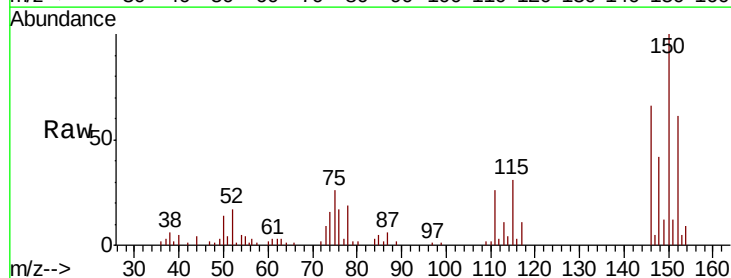
Tgt Ion:146 Resp: 11446

Ion Ratio Lower Upper

146 100

111 40.1 27.1 50.3

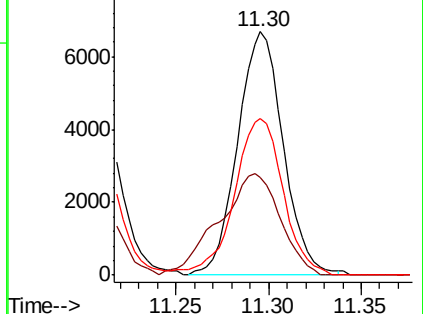
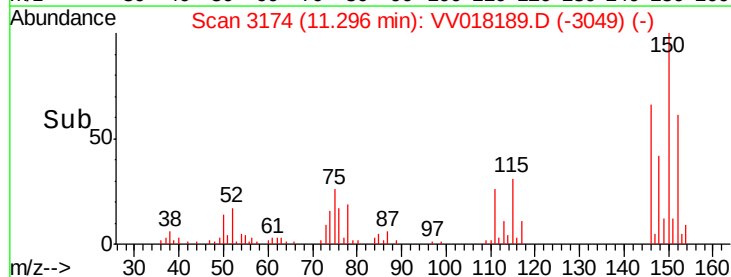
148 64.5 45.4 84.2

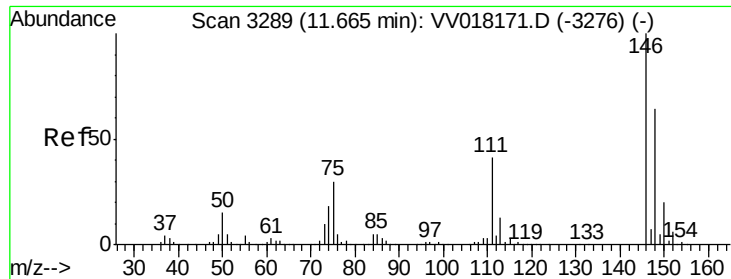


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.623 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

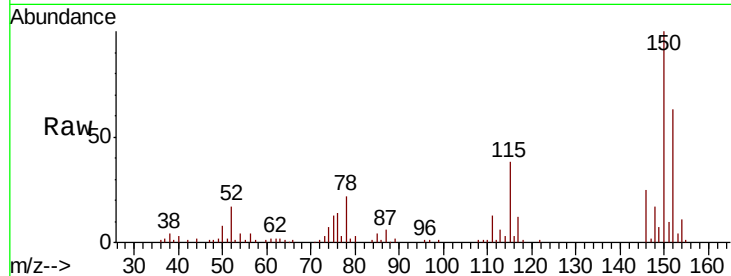
Tot Ion:146 Resp: 11375

Ion Ratio Lower Upper

146 100

111 50.1 32.8 49.2#

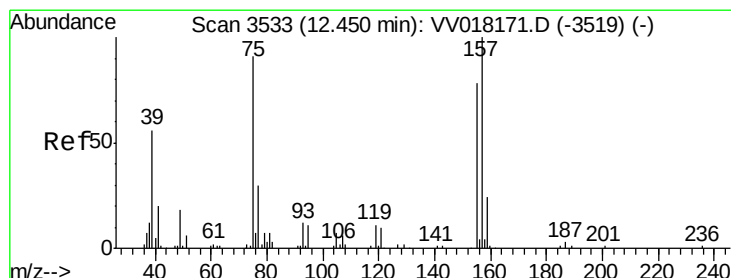
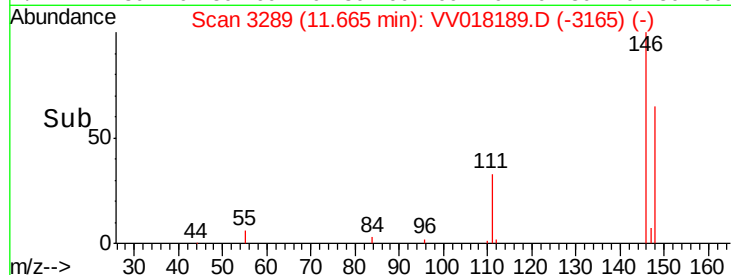
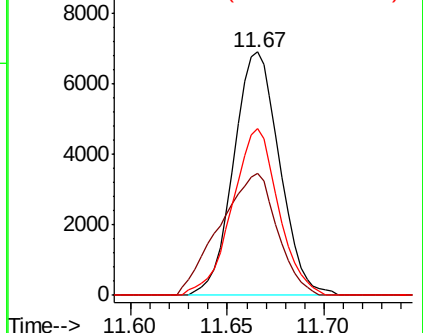
148 68.6 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 2.032 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

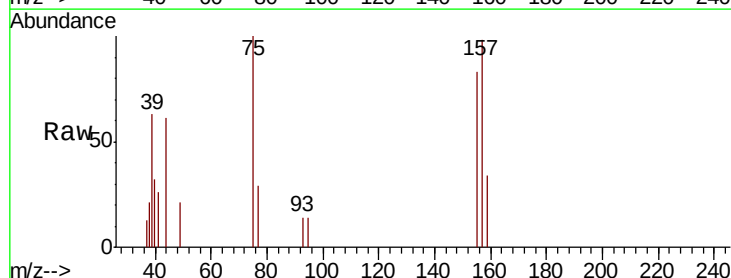
Tgt Ion: 75 Resp: 1244

Ion Ratio Lower Upper

75 100

155 82.8 69.7 104.5

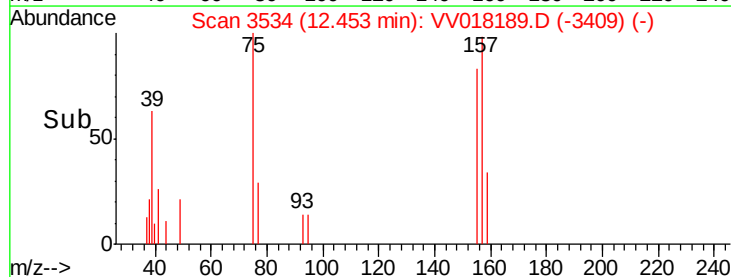
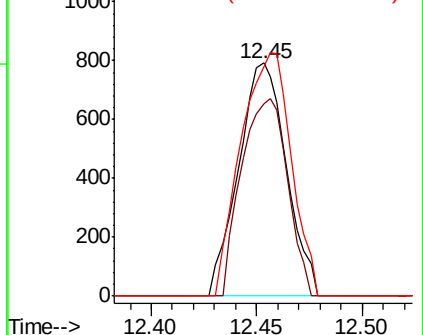
157 98.5 88.2 132.4

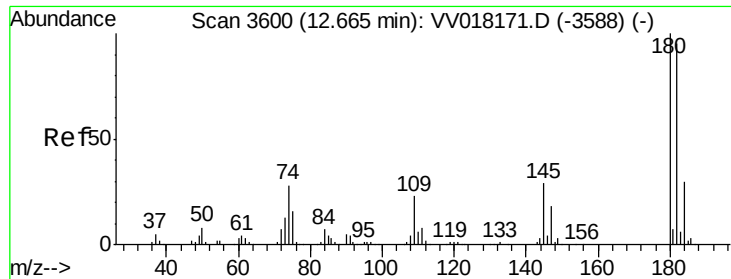


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

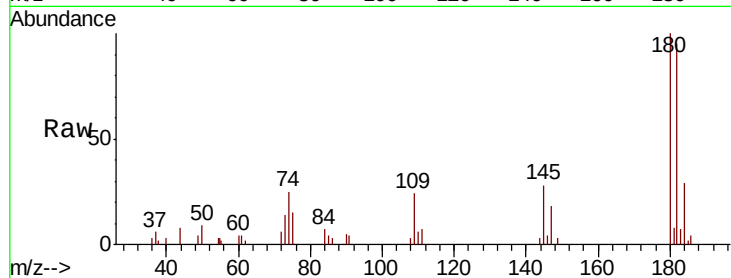




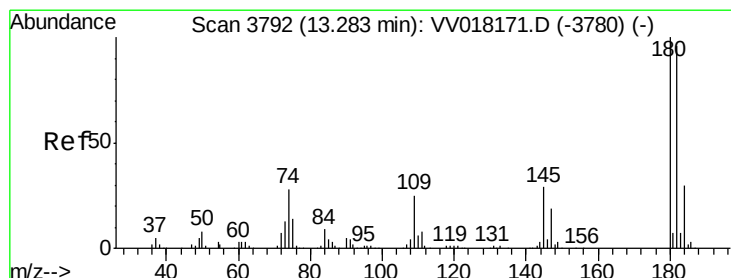
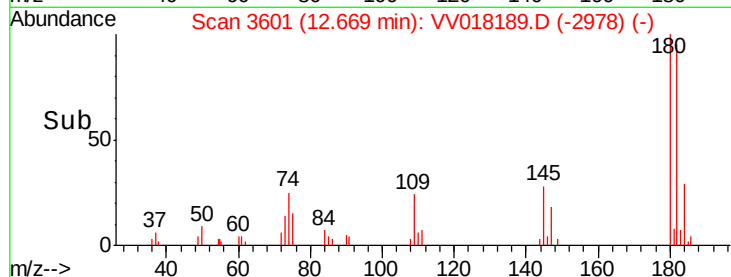
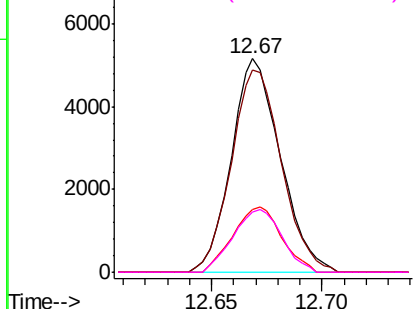
#67
 1,3,5-Trichlorobenzene
 Concen: 2.358 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion:180 Resp: 7977
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.8 115.2
 184 30.5 24.6 36.8
 145 29.3 22.7 34.1

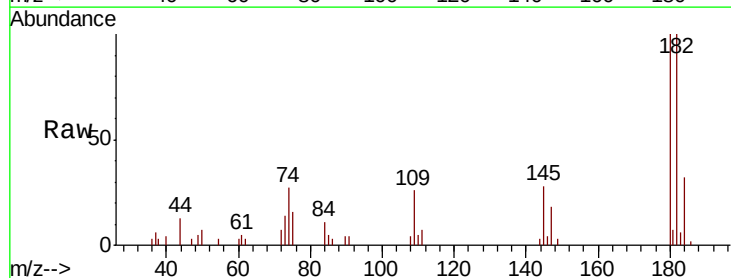


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

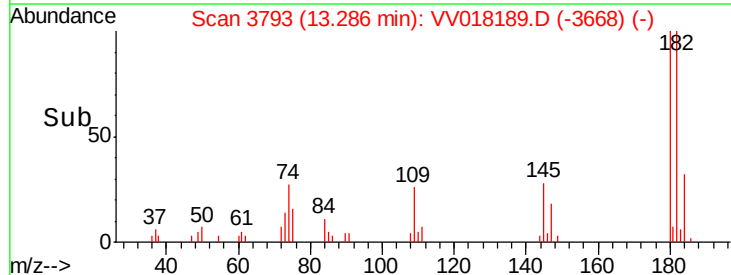
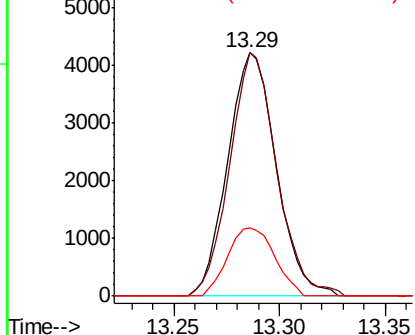


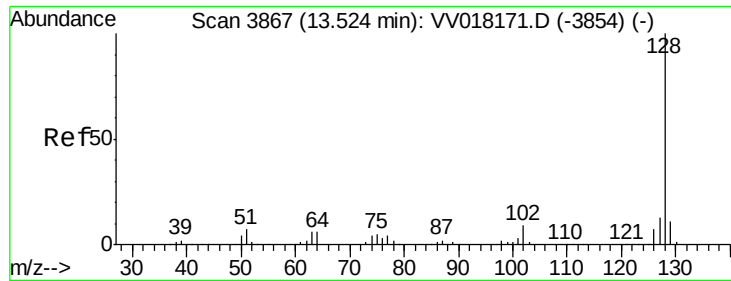
#68
 1,2,4-trichlorobenzene
 Concen: 2.236 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion:180 Resp: 6735
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.2
 145 27.1 23.2 34.8



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





#69

Naphthalene

Concen: 1.792 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

MDL07

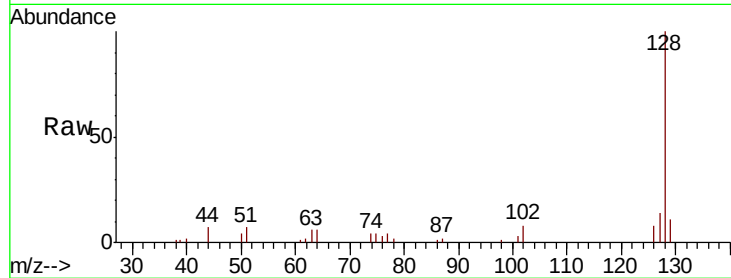
Tot Ion:128 Resp: 13658

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

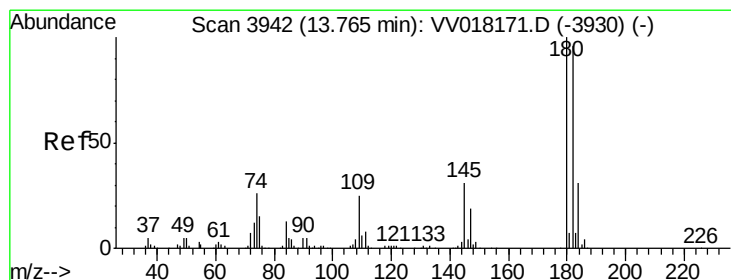
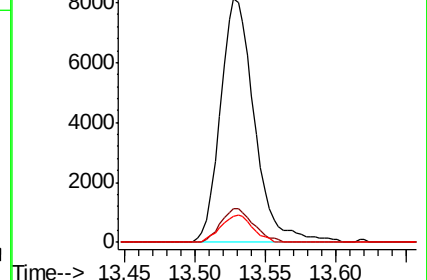
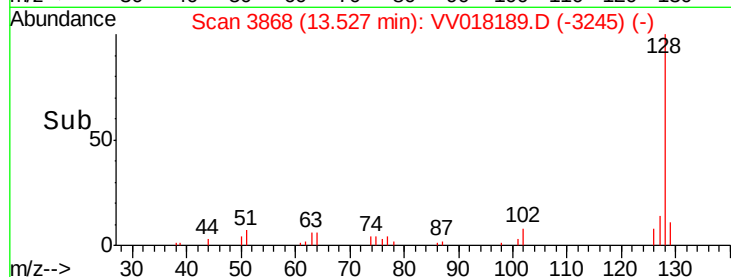
129 10.5 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 2.289 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

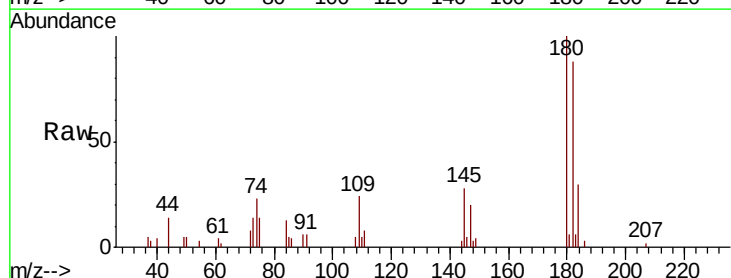
Tgt Ion:180 Resp: 6792

Ion Ratio Lower Upper

180 100

182 88.6 76.5 114.7

145 29.0 24.9 37.3



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

