

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018458.D
 Acq On : 25 Sep 2020 16:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Sep 25 23:46:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 23:36:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	403082	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	385342	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	202963	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151103	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.00%
7) Chloroethane-d5	1.58	69	121557	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.44%
11) 1,1-Dichloroethene-d2	2.12	63	269369	44.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.40%
21) 2-Butanone-d5	3.92	46	185507	92.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.26%
24) Chloroform-d	4.38	84	257658	45.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.42%
26) 1,2-Dichloroethane-d4	5.06	65	161081	44.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.18%
32) Benzene-d6	5.08	84	527369	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
36) 1,2-Dichloropropane-d6	6.09	67	164209	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.70%
41) Toluene-d8	7.34	98	488490	48.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.18%
43) trans-1,3-Dichloropropene-	7.64	79	85287	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.76%
47) 2-Hexanone-d5	8.11	63	130261	98.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	211026	47.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	198542	47.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	121694	41.403	ug/L 100
3) Chloromethane	1.25	50	139667	43.517	ug/L 99
5) Vinyl chloride	1.32	62	147078	44.689	ug/L 99
6) Bromomethane	1.53	94	95291	47.370	ug/L 100
8) Chloroethane	1.60	64	94600	45.885	ug/L 99
9) Trichlorofluoromethane	1.77	101	200851	44.355	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	126060	46.346	ug/L 100
12) 1,1-Dichloroethene	2.13	96	126175	47.674	ug/L 92
13) Acetone	2.20	43	120261	74.694	ug/L 100
14) Carbon disulfide	2.31	76	332592	41.068	ug/L 100
15) Methyl Acetate	2.45	43	136922	47.322	ug/L 97
16) Methylene chloride	2.52	84	141122	47.544	ug/L 95
17) trans-1,2-Dichloroethene	2.78	96	129767	47.577	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	426596	50.561	ug/L 99
19) 1,1-Dichloroethane	3.21	63	244720	47.454	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	147002	50.418	ug/L 96
22) 2-Butanone	4.00	43	185646	97.374	ug/L 100

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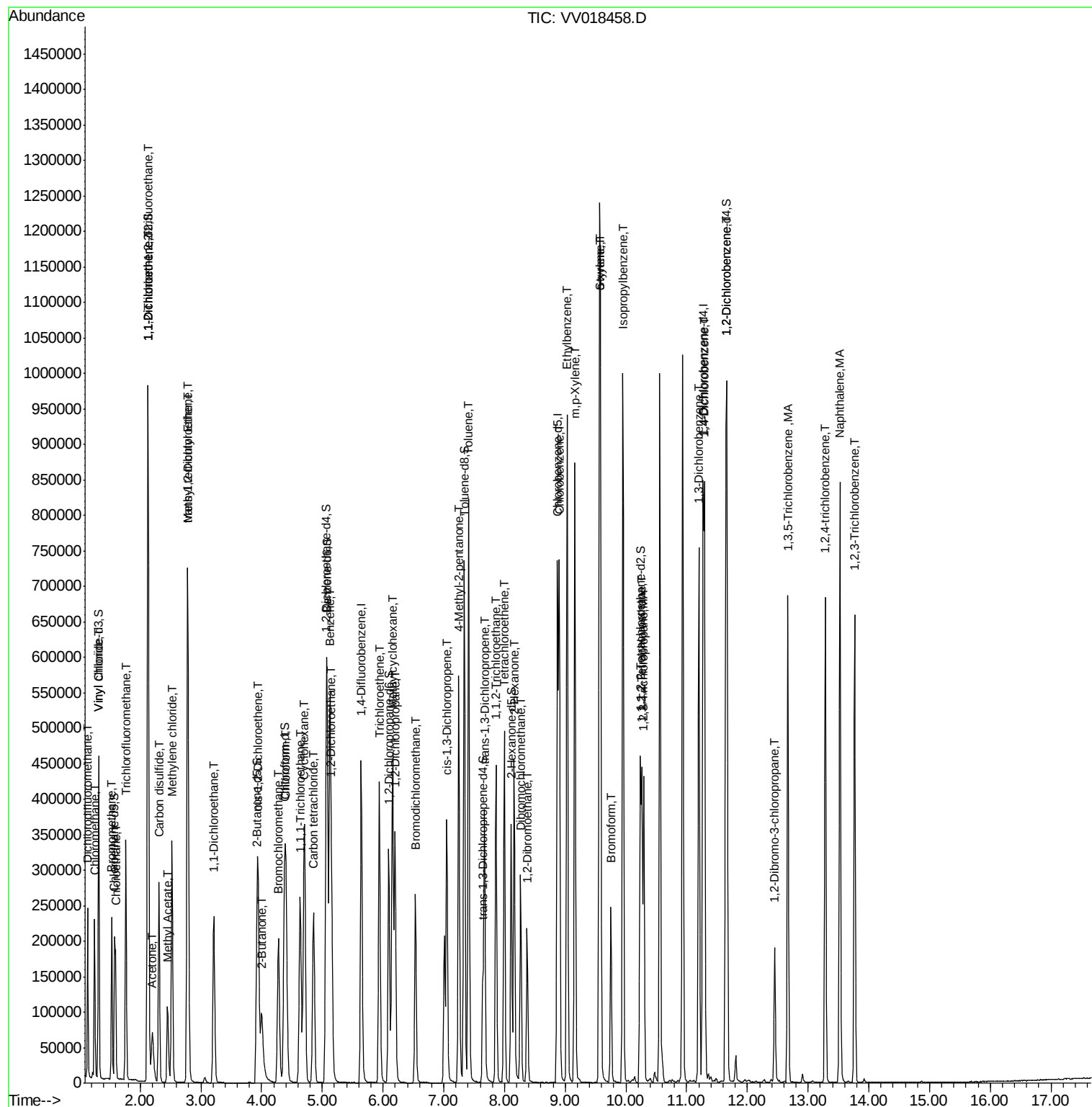
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	74485	48.826	ug/L	96
25) Chloroform	4.40	83	248078	47.324	ug/L	99
27) 1,2-Dichloroethane	5.15	62	188011	46.329	ug/L	98
29) Cyclohexane	4.70	56	211155	47.454	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	216534	48.420	ug/L	99
31) Carbon tetrachloride	4.86	117	184689	46.967	ug/L	98
33) Benzene	5.13	78	551840	50.088	ug/L	100
34) Trichloroethene	5.94	95	149813	49.917	ug/L	98
35) Methylcyclohexane	6.16	83	202552	44.824	ug/L	97
37) 1,2-Dichloropropane	6.20	63	142867	48.936	ug/L	99
38) Bromodichloromethane	6.53	83	182388	48.007	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	229725	51.070	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	366475	103.471	ug/L	97
42) Toluene	7.41	91	592356	50.805	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	219819	50.190	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	137756	50.908	ug/L	99
46) Tetrachloroethene	8.00	164	114981	48.861	ug/L	98
48) 2-Hexanone	8.16	43	276386	98.982	ug/L	96
49) Dibromochloromethane	8.27	129	149924	49.359	ug/L	99
50) 1,2-Dibromoethane	8.37	107	145694	51.158	ug/L	99
51) Chlorobenzene	8.90	112	384055	50.721	ug/L	98
52) Ethylbenzene	9.03	91	650098	51.071	ug/L	99
53) m,p-Xylene	9.16	106	246706	51.925	ug/L	95
54) o-xylene	9.56	106	241696	52.803	ug/L	98
55) Styrene	9.58	104	422951	53.162	ug/L	99
56) Isopropylbenzene	9.95	105	636419	51.590	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	205463	51.330	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	173535	50.537	ug/L	99
61) Bromoform	9.75	173	111435	51.108	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	310640	51.471	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	315369	50.838	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	309225	50.690	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	45213	52.522	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	213896	44.956	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	207669	49.014	ug/L	98
69) Naphthalene	13.52	128	646600	60.313	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	205741	49.302	ug/L	100

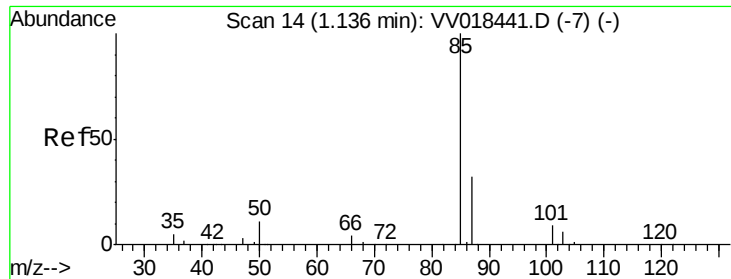
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 41.403 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

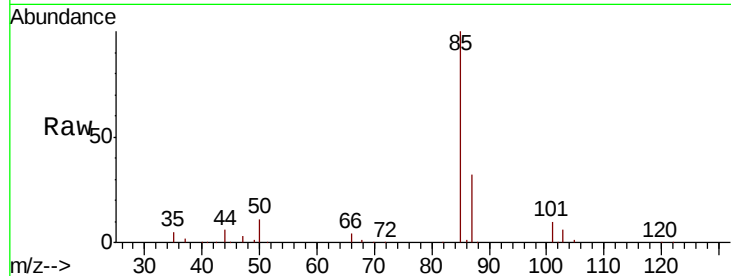
VSTD05088

Tot Ion: 85 Resp: 121694

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018441.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018441.D (-7) (-)

1.14

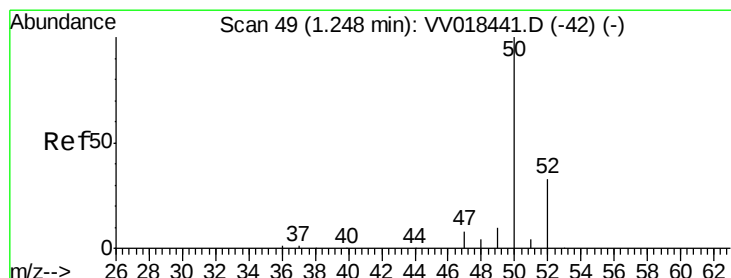
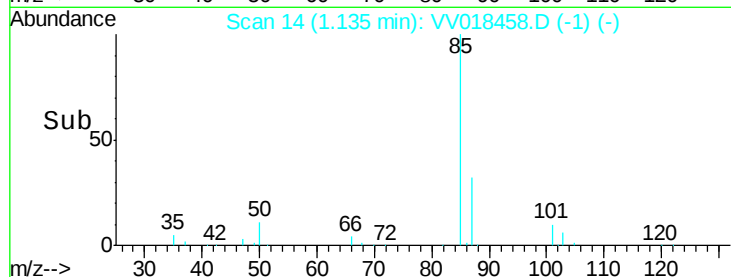
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.517 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018458.D

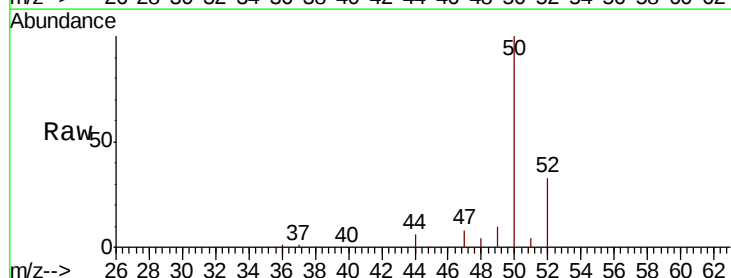
Acq: 25 Sep 2020 16:15

Tgt Ion: 50 Resp: 139667

Ion Ratio Lower Upper

50 100

52 33.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018441.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018441.D (-42) (-)

1.25

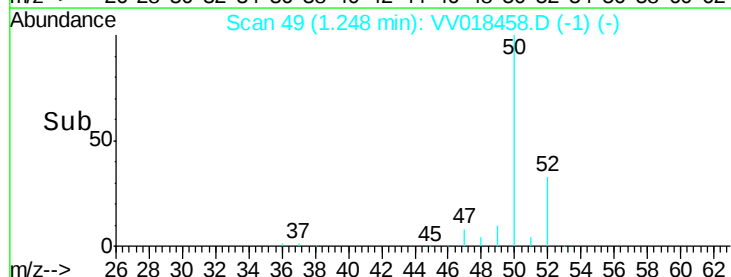
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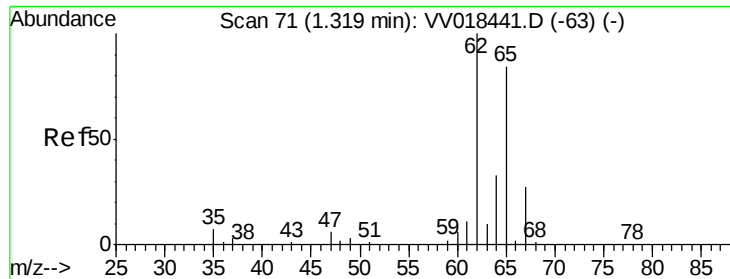
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 44.689 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

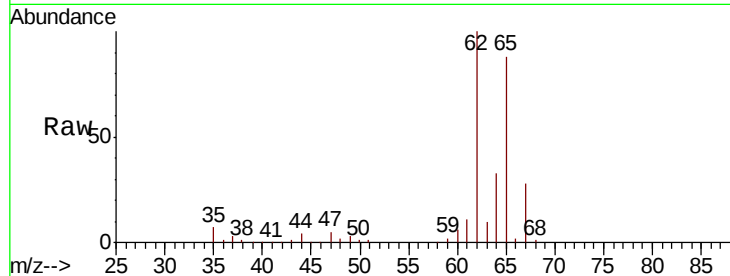
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion: 62 Resp: 147078

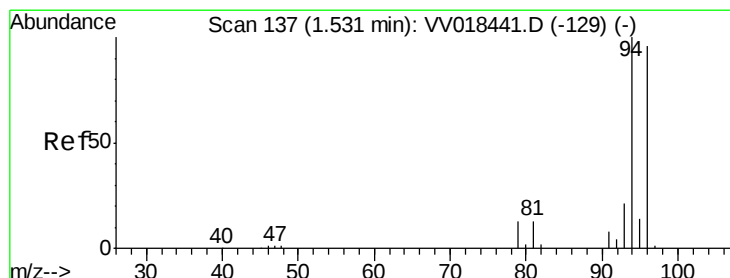
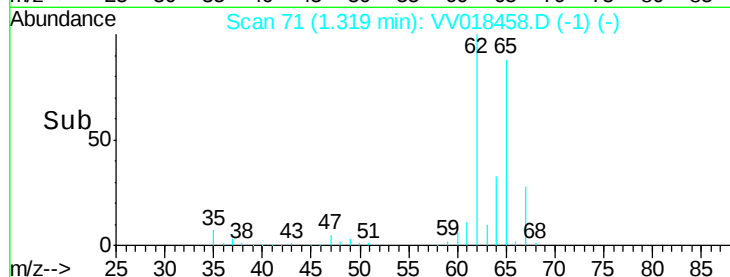
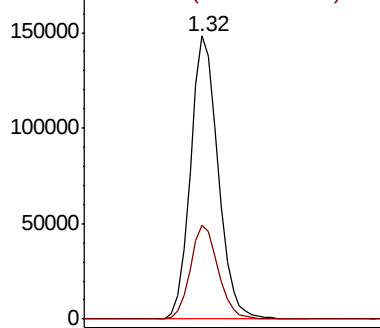
Ion Ratio Lower Upper

62 100

64 33.4 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: 47.370 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018458.D

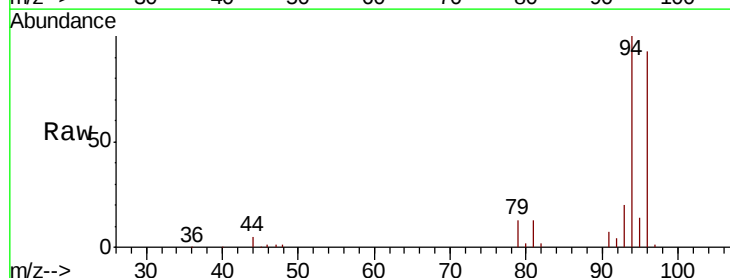
Acq: 25 Sep 2020 16:15

Tgt Ion: 94 Resp: 95291

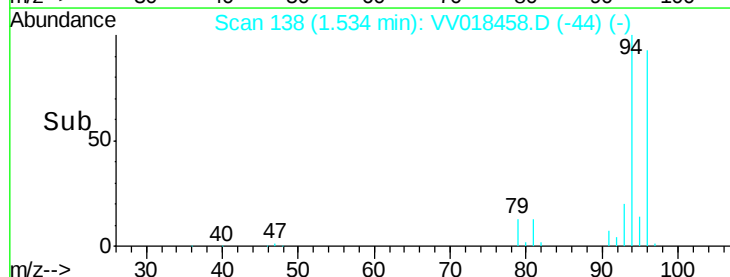
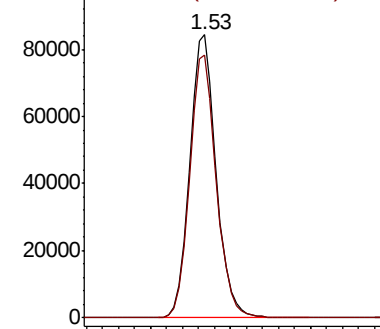
Ion Ratio Lower Upper

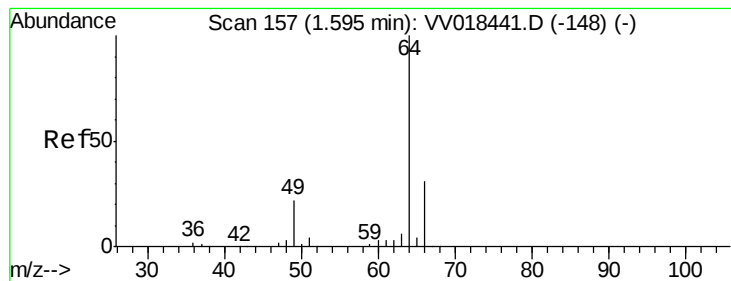
94 100

96 92.8 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: 45.885 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

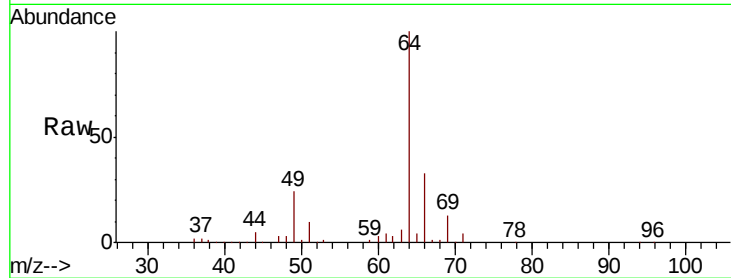
VSTD05088

Tot Ion: 64 Resp: 94600

Ion Ratio Lower Upper

64 100

66 32.7 22.5 41.7

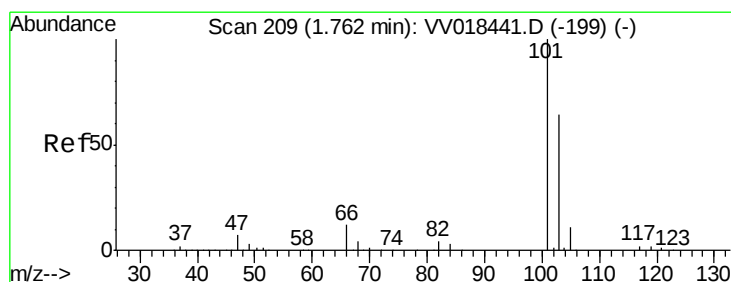
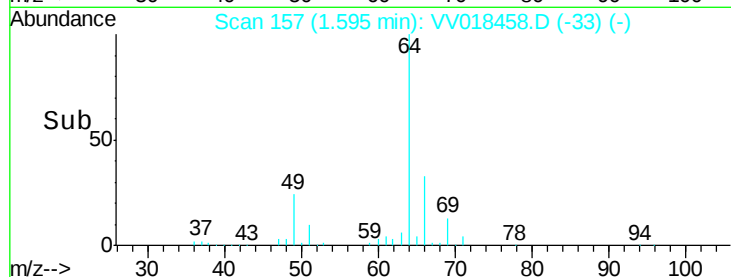


Abundance Ion 64.00 (63.70 to 64.70): VV018458.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV018458.D (-33) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 44.355 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018458.D

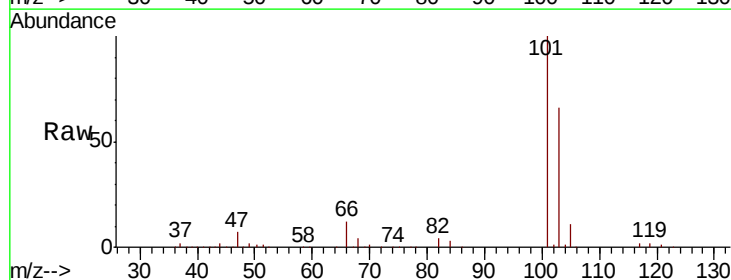
Acq: 25 Sep 2020 16:15

Tgt Ion: 101 Resp: 200851

Ion Ratio Lower Upper

101 100

103 65.0 51.8 77.6

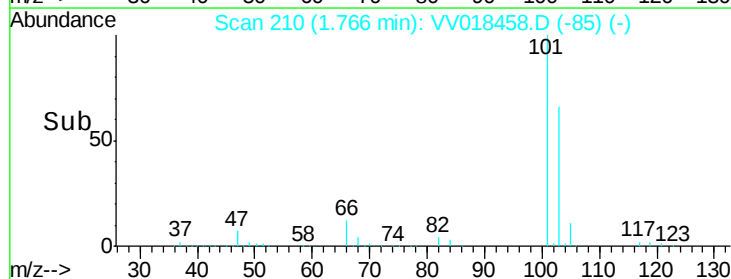


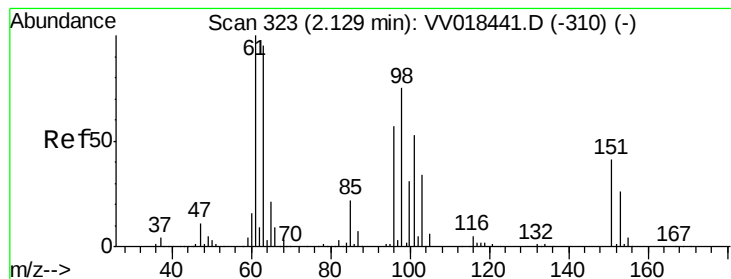
Abundance Ion 101.00 (100.70 to 101.70): VV018458.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV018458.D (-85) (-)

1.77

Time-->





#10

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

Concen: 46.346 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

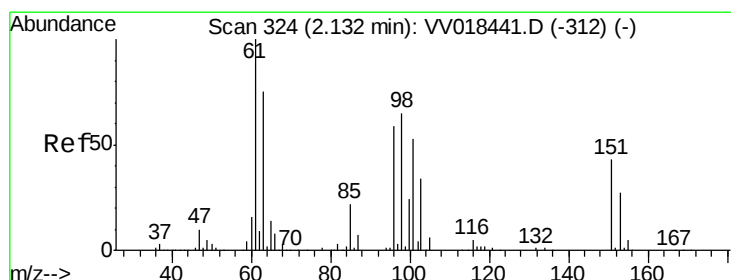
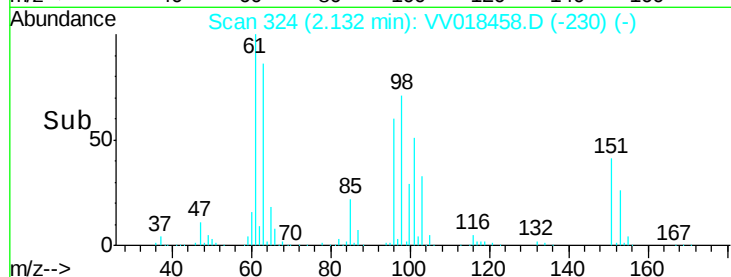
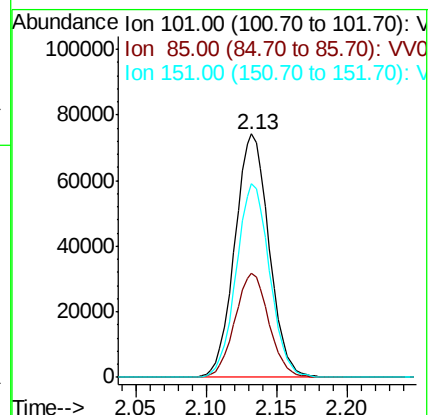
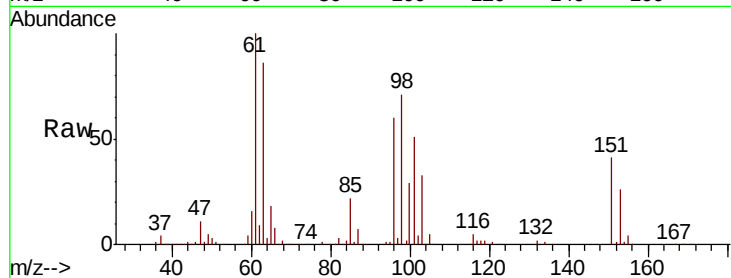
Tot Ion:101 Resp: 126060

Ion Ratio Lower Upper

101 100

85 42.2 33.5 50.3

151 77.8 62.2 93.2



#12

1,1-Dichloroethene

Concen: 47.674 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

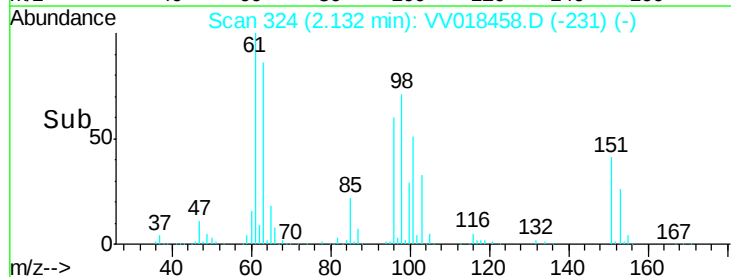
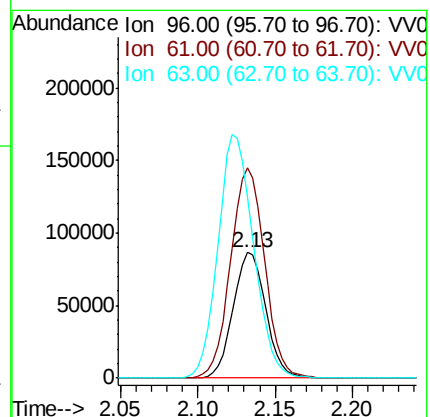
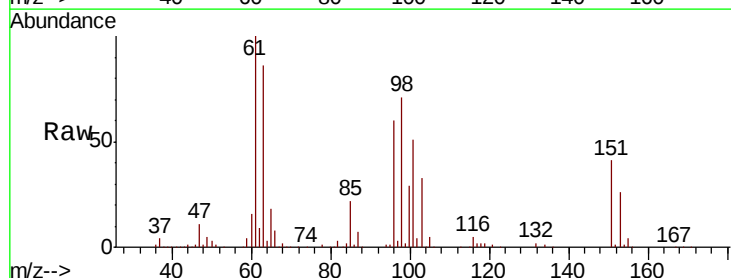
Tgt Ion: 96 Resp: 126175

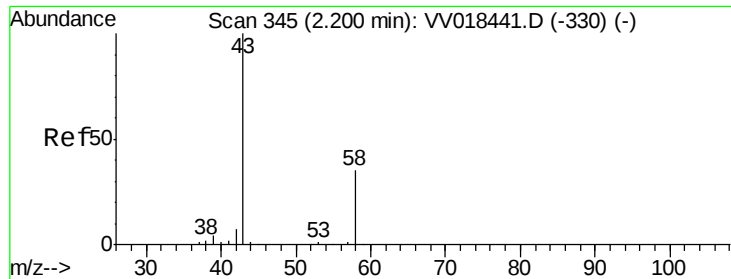
Ion Ratio Lower Upper

96 100

61 167.8 122.9 228.3

63 144.4 91.9 170.7





#13

Acetone

Concen: 74.694 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV018458.D

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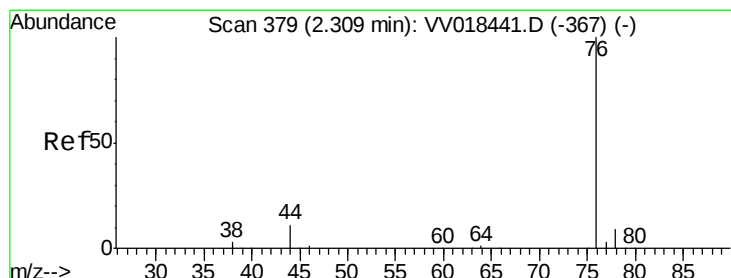
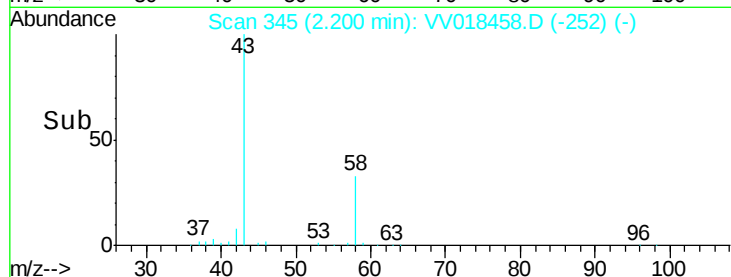
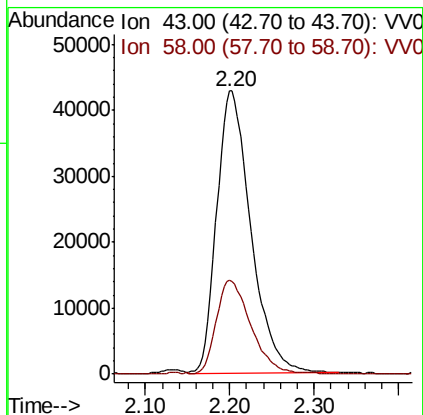
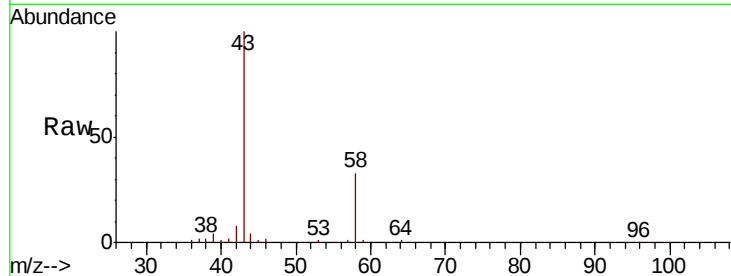
VSTD05088

Tot Ion: 43 Resp: 120261

Ion Ratio Lower Upper

43 100

58 33.5 0.0 67.4



#14

Carbon disulfide

Concen: 41.068 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018458.D

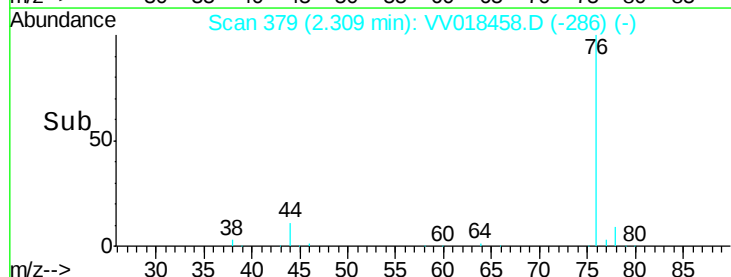
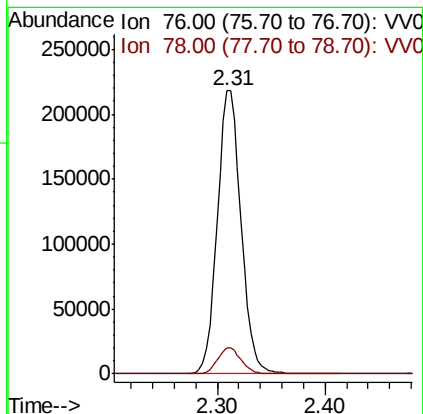
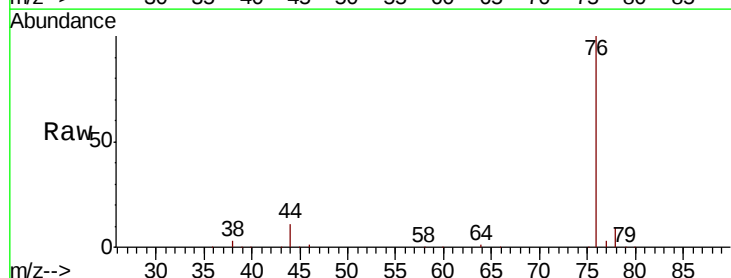
Acq: 25 Sep 2020 16:15

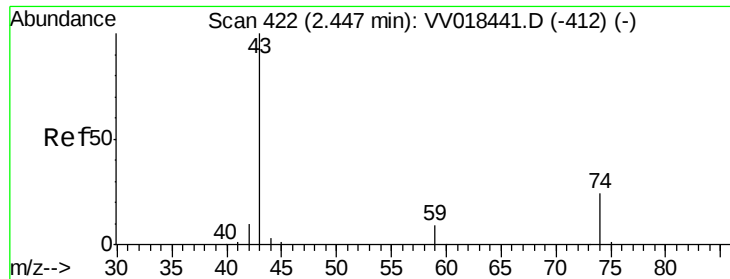
Tgt Ion: 76 Resp: 332592

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methvl Acetate

Concen: 47.322 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

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ClientSampleId :

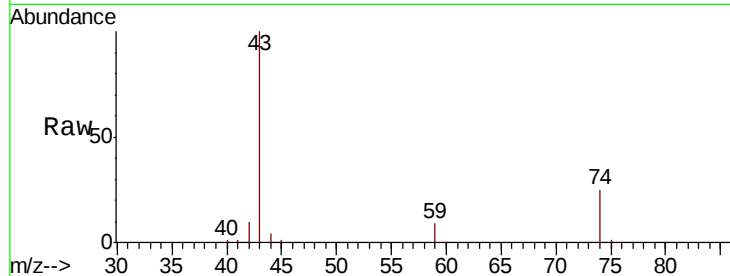
VSTD05088

Tot Ion: 43 Resp: 136922

Ion Ratio Lower Upper

43 100

74 24.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.45

80000

60000

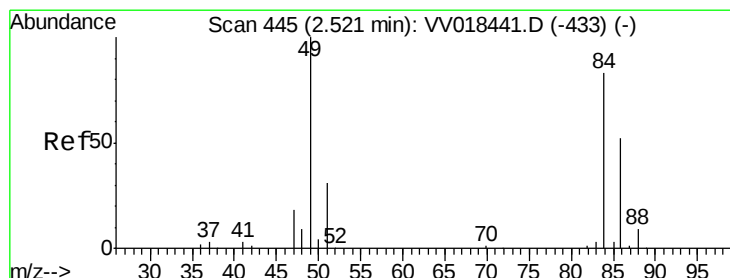
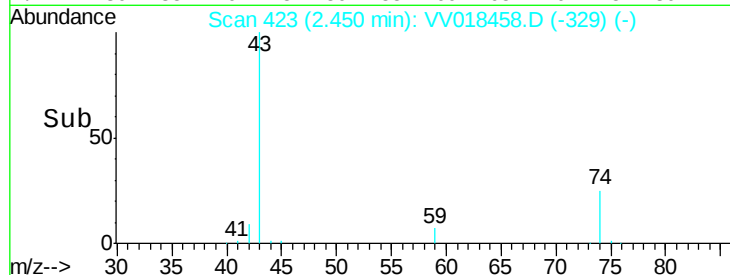
40000

20000

0

Time-->

2.40 2.50 2.60



#16

Methylene chloride

Concen: 47.544 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

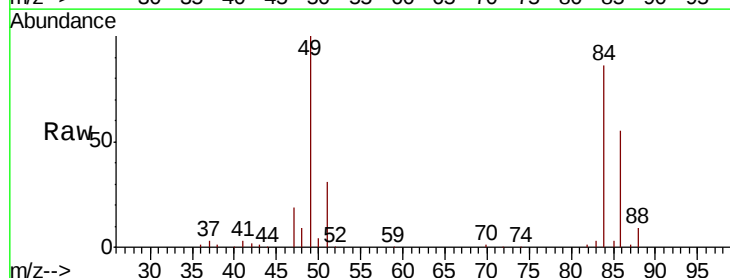
Tgt Ion: 84 Resp: 141122

Ion Ratio Lower Upper

84 100

86 63.6 44.4 82.4

49 115.8 87.2 162.0



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

2.52

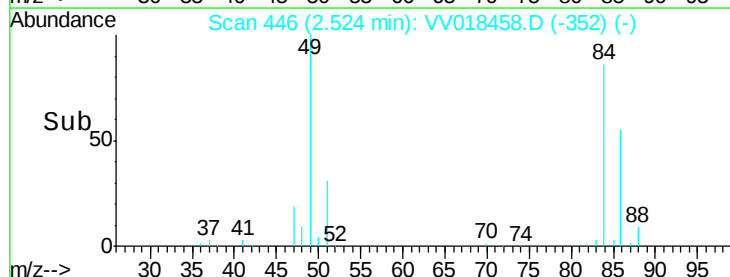
100000

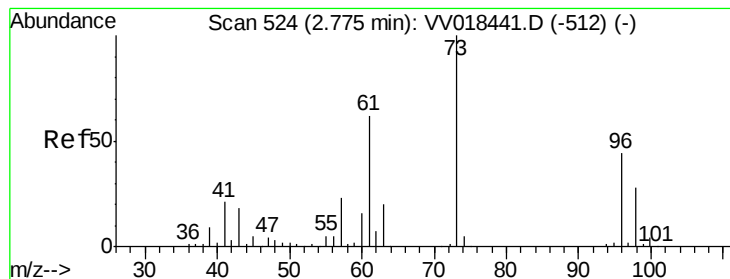
50000

0

Time-->

2.45 2.50 2.55 2.60 2.65





#17

trans-1,2-Dichloroethene

Concen: 47.577 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

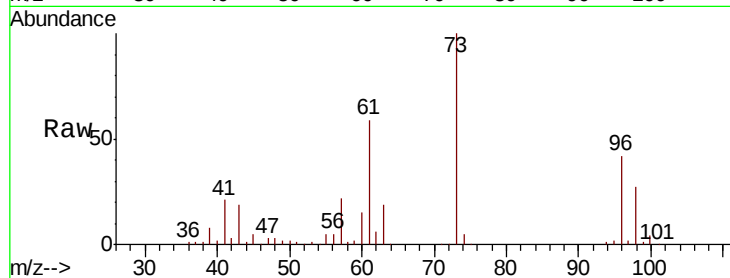
MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion: 96 Resp: 129767

Ion	Ratio	Lower	Upper
96	100		
61	140.6	100.7	186.9
98	64.0	45.2	84.0

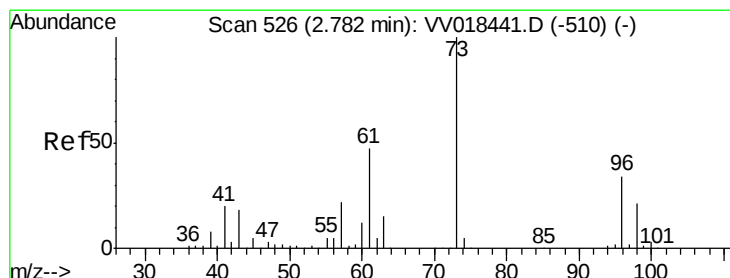
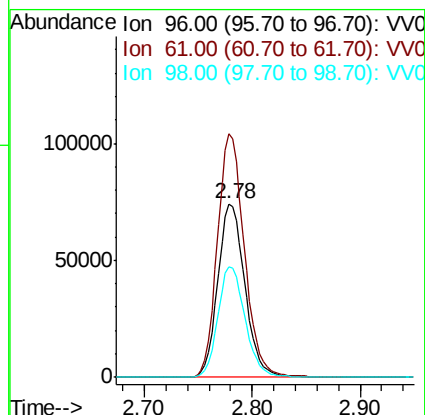
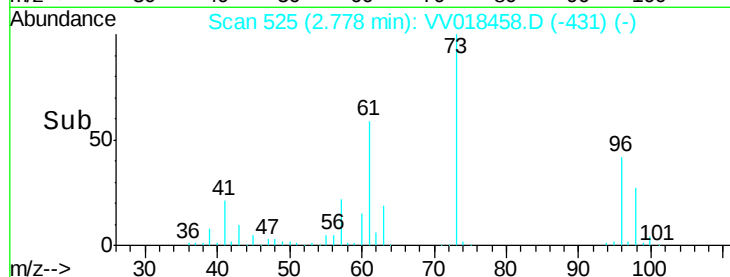


Abundance

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: 50.561 ug/L

RT: 2.78 min Scan# 527

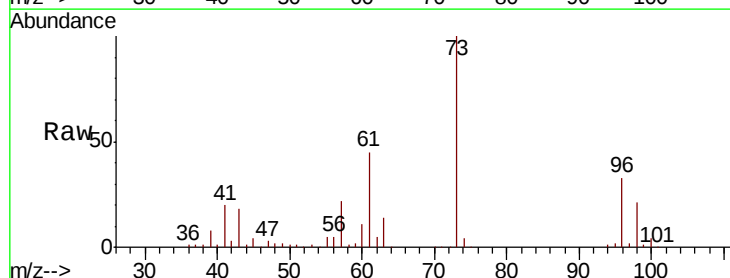
Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Tgt Ion: 73 Resp: 426596

Ion	Ratio	Lower	Upper
73	100		
43	18.3	15.4	23.0
57	22.1	18.0	27.0

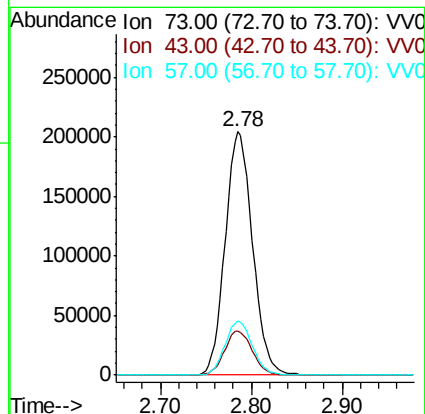
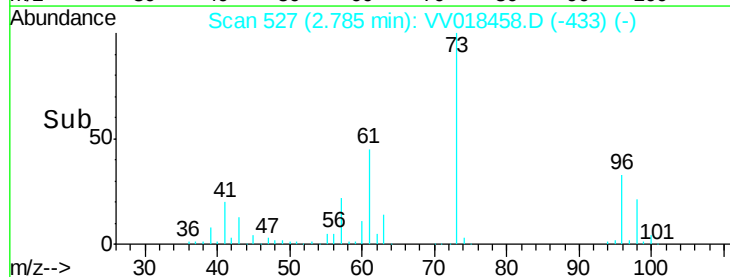


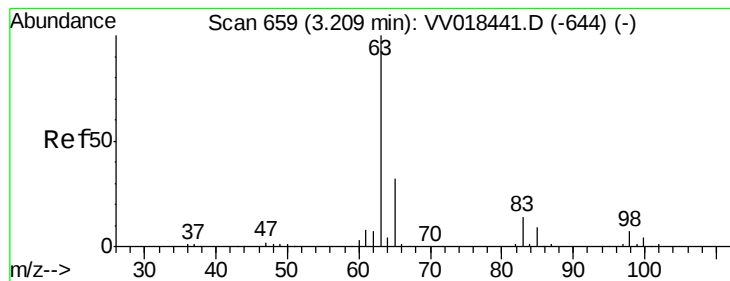
Abundance

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: 47.454 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

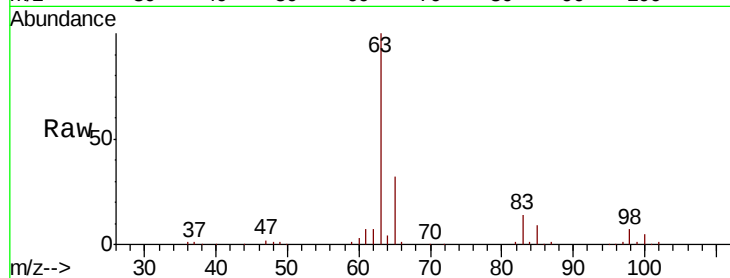
Tot Ion: 63 Resp: 244720

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

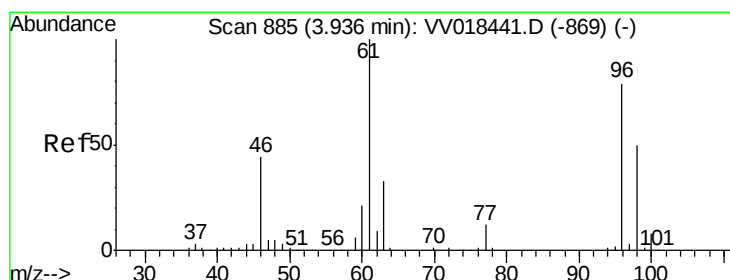
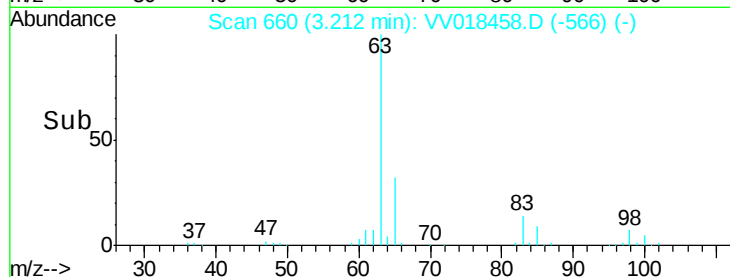
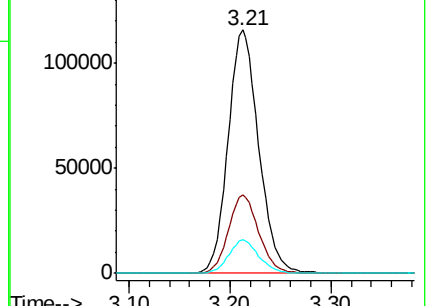
83 13.6 9.3 17.3



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: 50.418 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

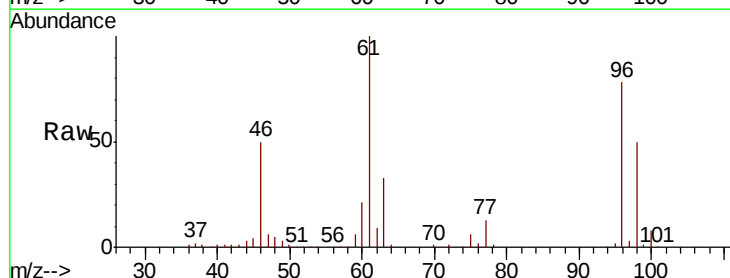
Tgt Ion: 96 Resp: 147002

Ion Ratio Lower Upper

96 100

61 128.4 93.6 173.8

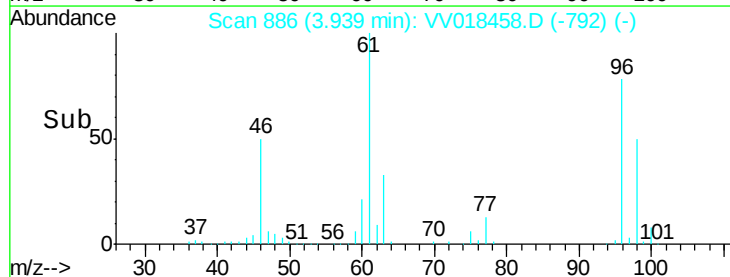
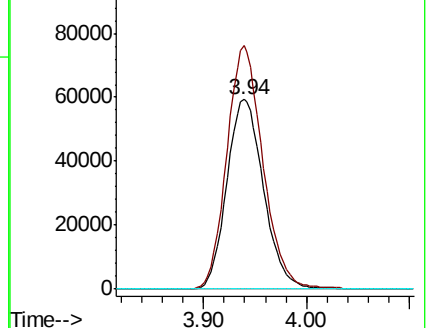
68 0.0 0.0 0.0

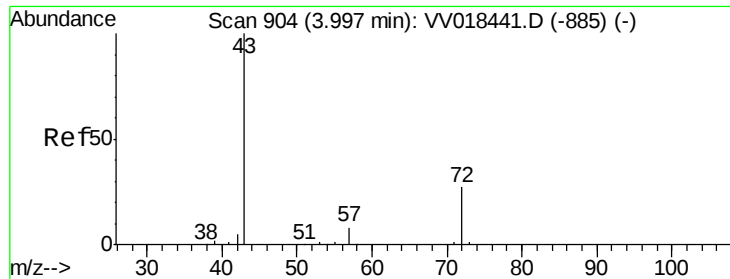


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 97.374 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.01 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

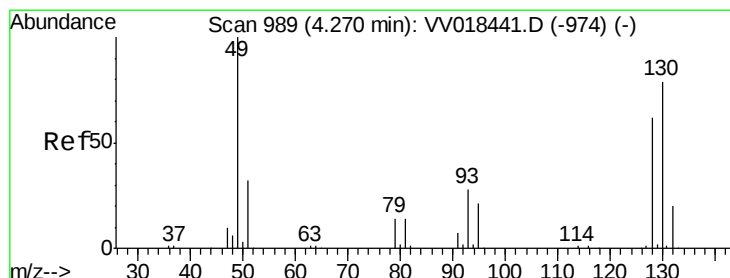
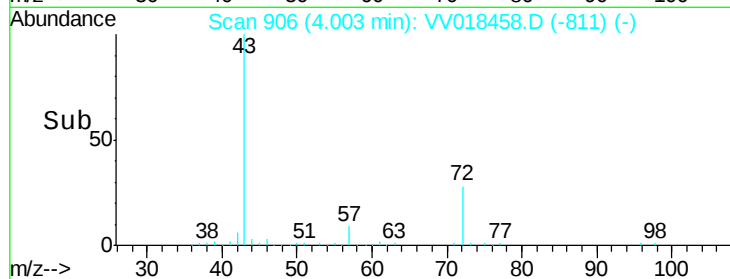
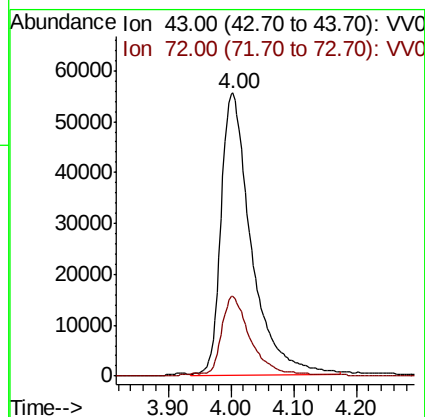
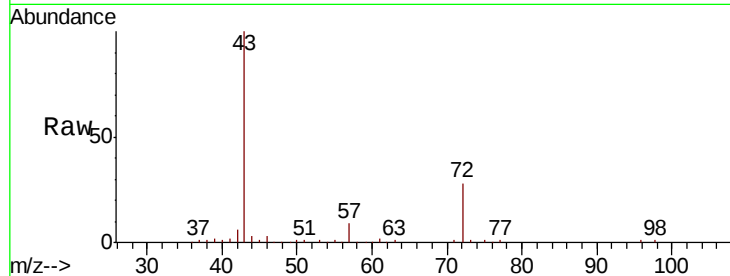
VSTD05088

Tot Ion: 43 Resp: 185646

Ion Ratio Lower Upper

43 100

72 26.5 13.1 39.3



#23

Bromochloromethane

Concen: 48.826 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Tgt Ion: 128 Resp: 74485

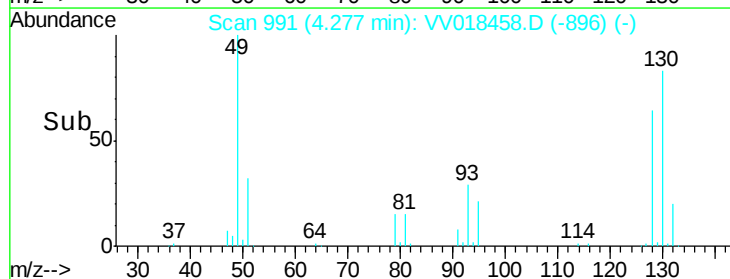
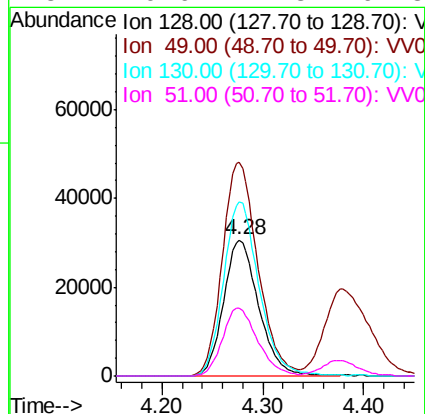
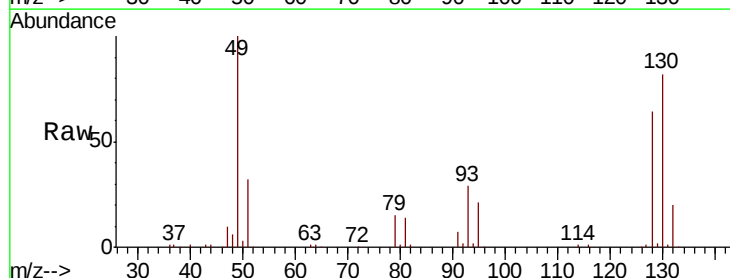
Ion Ratio Lower Upper

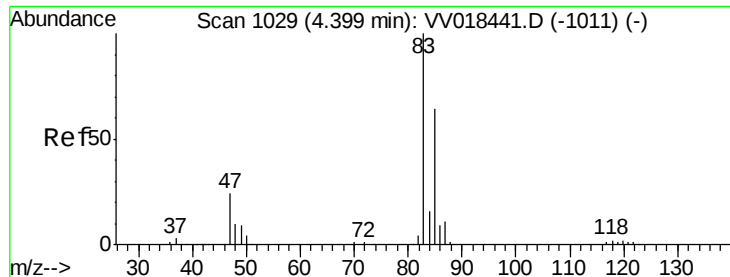
128 100

49 157.4 114.4 212.6

130 128.6 87.9 163.3

51 49.6 41.8 62.8

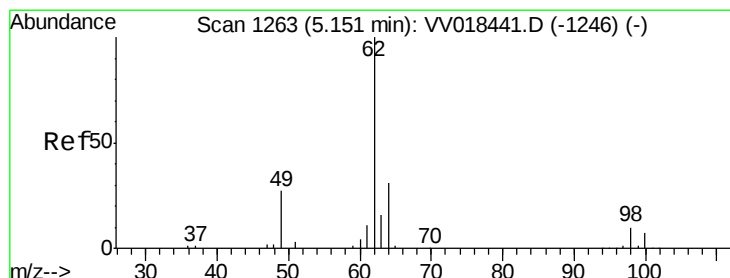
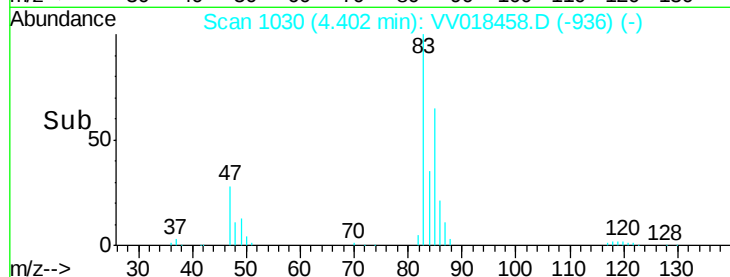
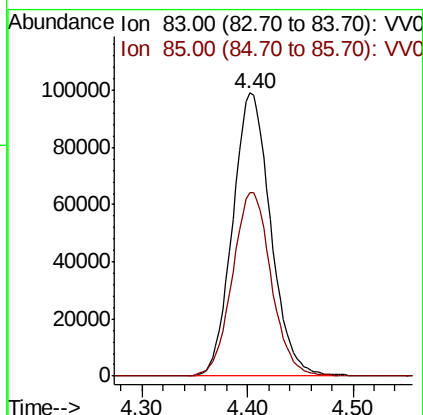
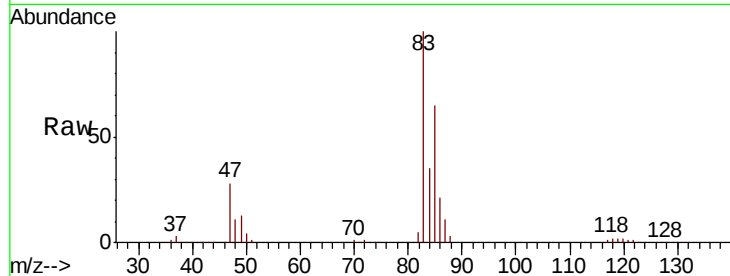




#25
Chloroform
Concen: 47.324 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018458.D
Acq: 25 Sep 2020 16:15

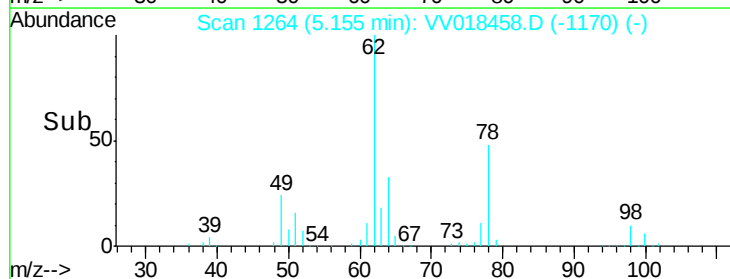
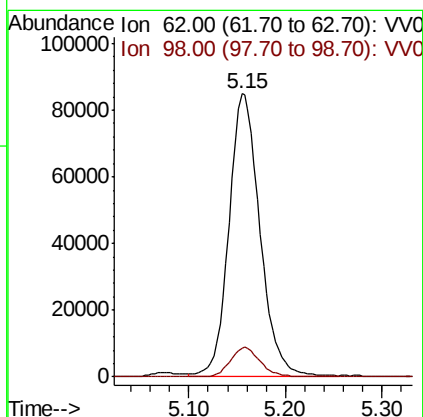
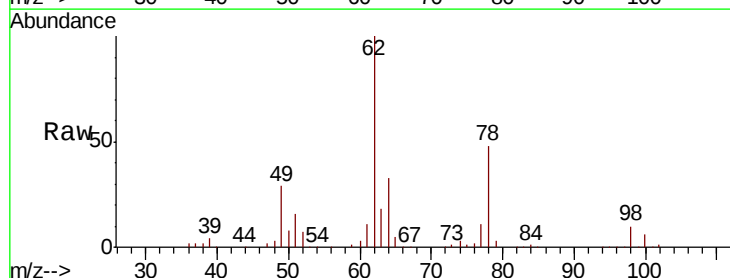
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

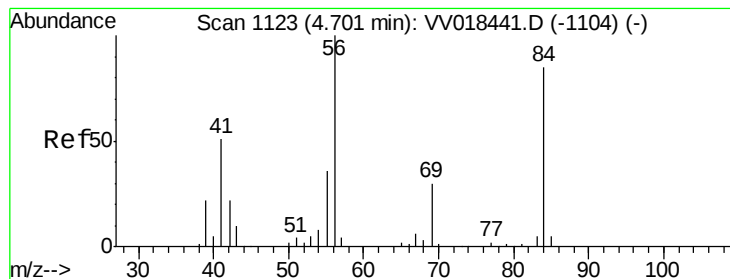
Tot Ion: 83 Resp: 248078
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 46.329 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018458.D
Acq: 25 Sep 2020 16:15

Tgt Ion: 62 Resp: 188011
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4





#29

Cvclohexane

Concen: 47.454 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

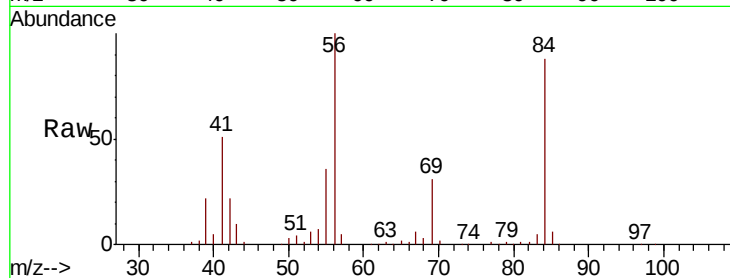
Tot Ion: 56 Resp: 211155

Ion Ratio Lower Upper

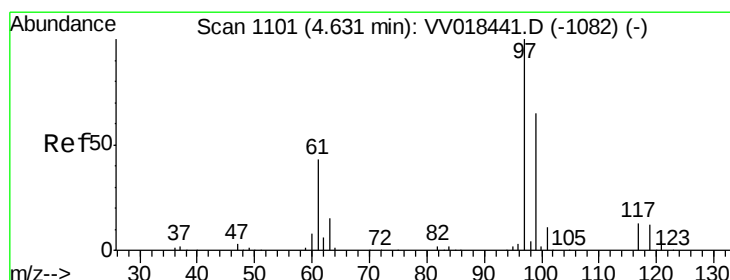
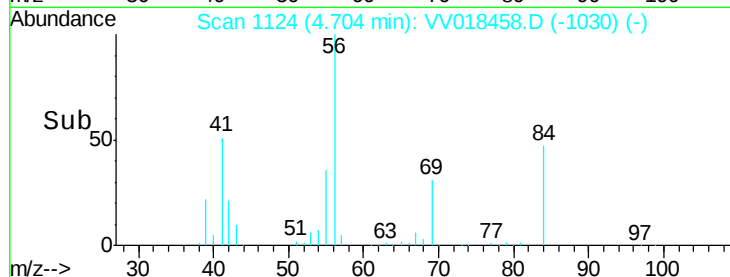
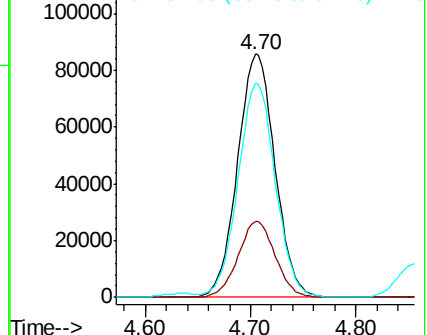
56 100

69 30.9 24.2 36.2

84 87.7 68.3 102.5



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: 48.420 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

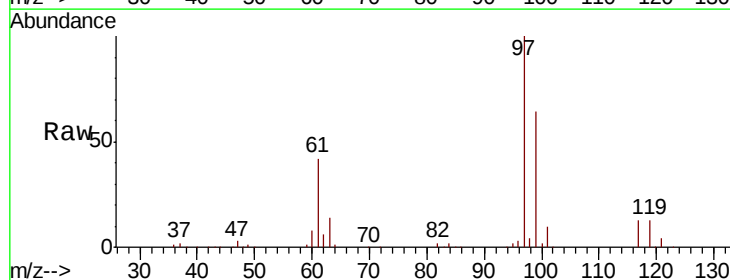
Tgt Ion: 97 Resp: 216534

Ion Ratio Lower Upper

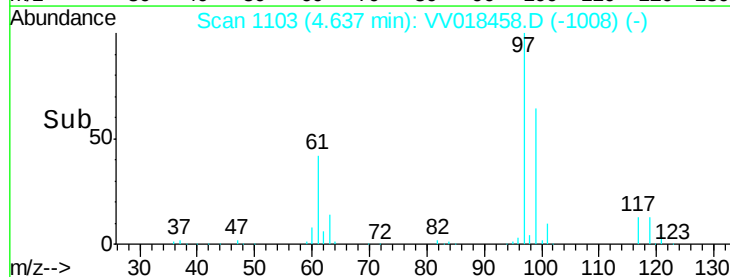
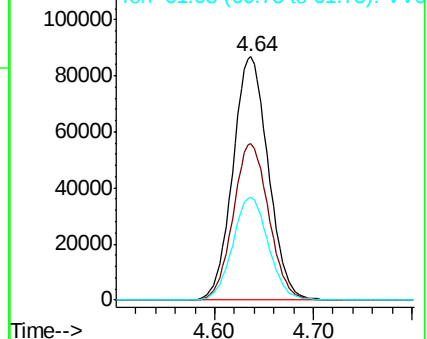
97 100

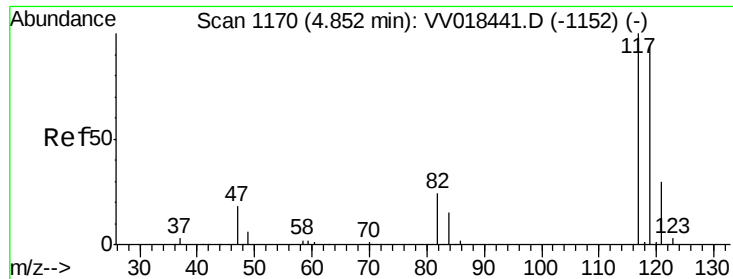
99 64.6 51.6 77.4

61 42.5 34.9 52.3



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

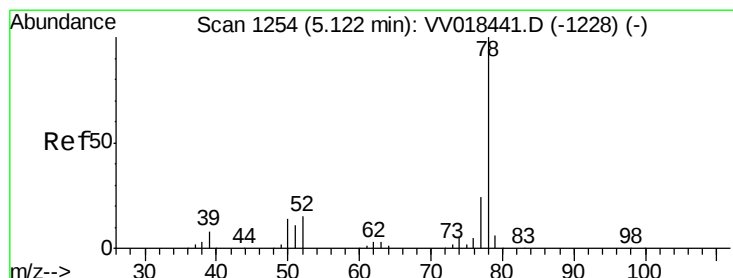
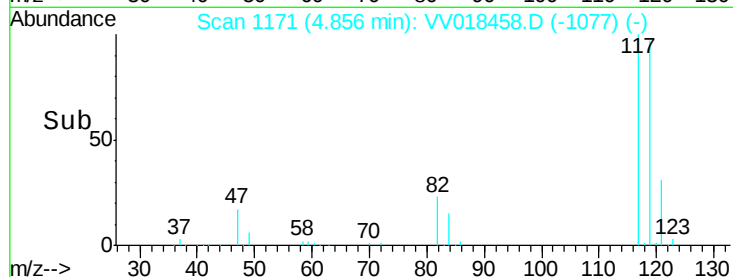
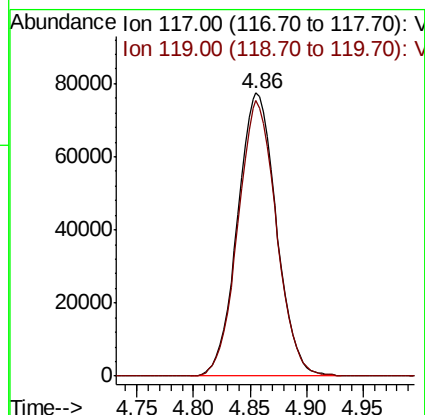
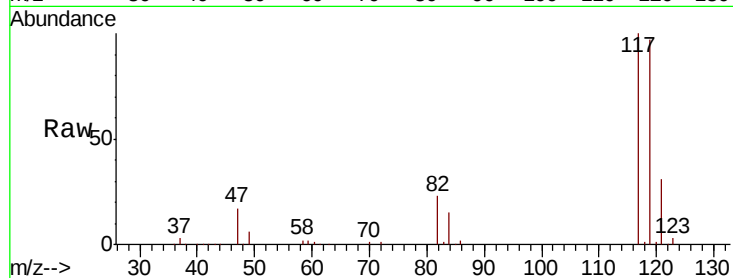




#31
Carbon tetrachloride
Concen: 46.967 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV018458.D
Acq: 25 Sep 2020 16:15

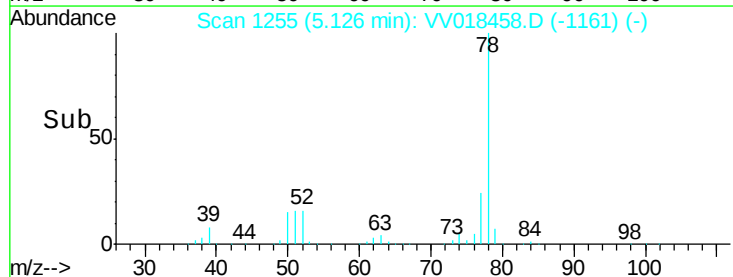
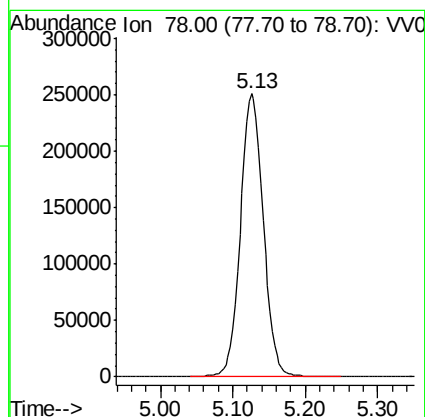
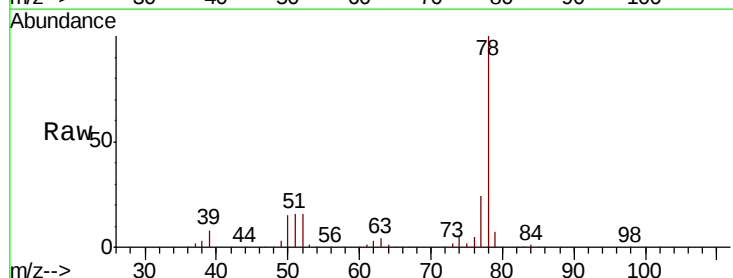
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

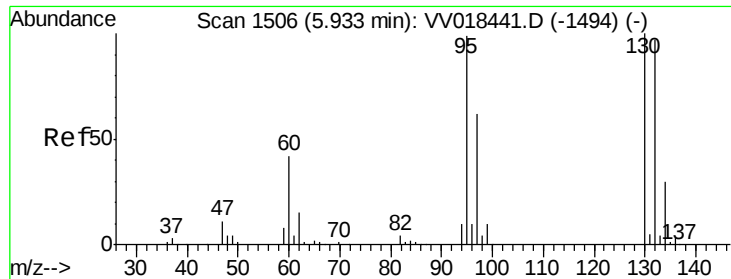
Tot Ion:117 Resp: 184689
Ion Ratio Lower Upper
117 100
119 96.3 75.7 113.5



#33
Benzene
Concen: 50.088 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018458.D
Acq: 25 Sep 2020 16:15

Tgt Ion: 78 Resp: 551840

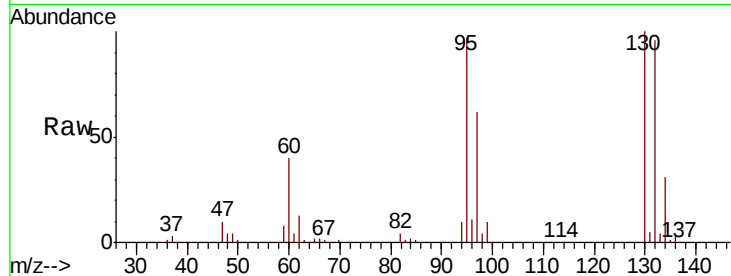




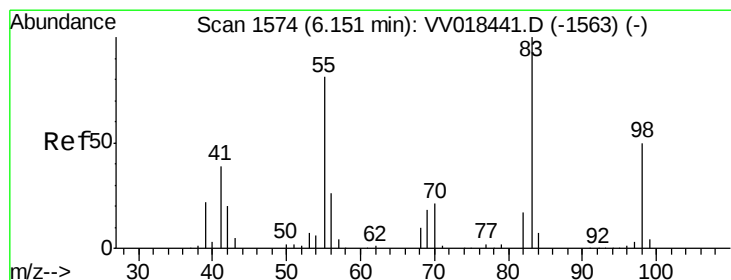
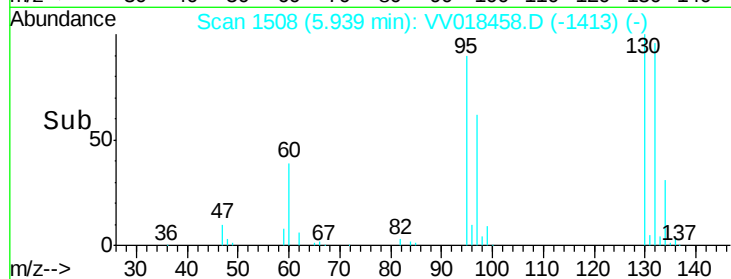
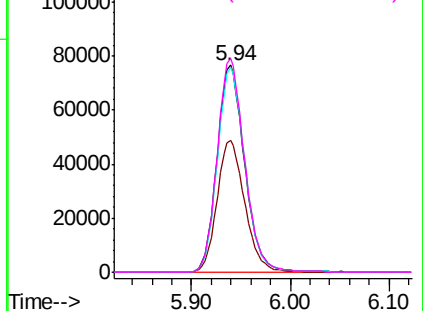
#34
 Trichloroethene
 Concen: 49.917 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VV018458.D
 Acq: 25 Sep 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion: 95 Resp: 149813
 Ion Ratio Lower Upper
 95 100
 97 63.8 46.3 85.9
 132 99.3 68.1 126.5
 130 103.3 71.5 132.9

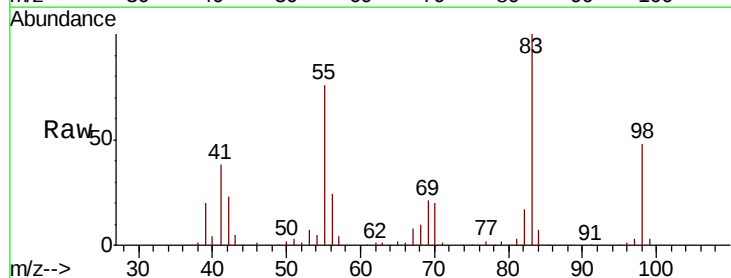


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

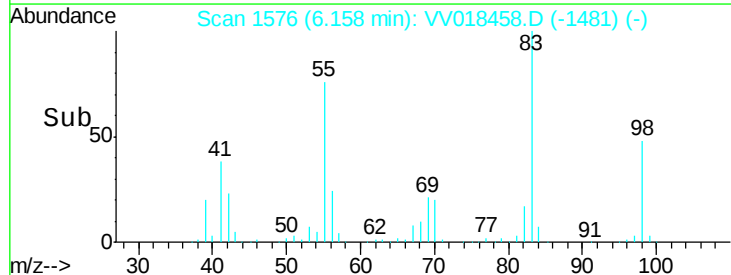
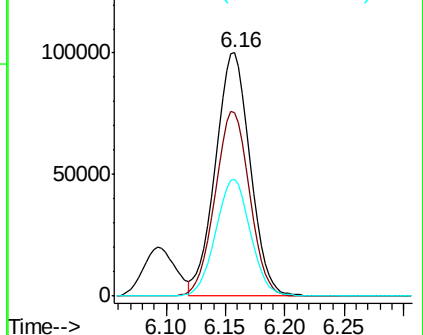


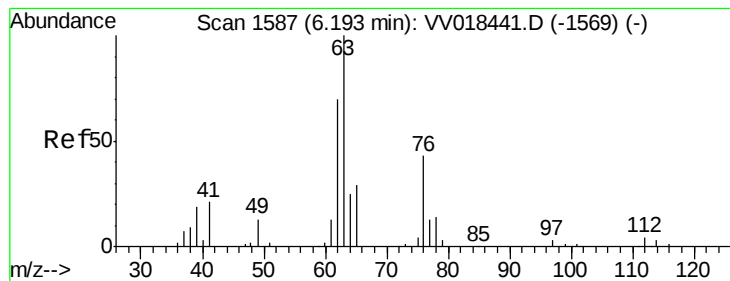
#35
 Methylcyclohexane
 Concen: 44.824 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VV018458.D
 Acq: 25 Sep 2020 16:15

Tgt Ion: 83 Resp: 202552
 Ion Ratio Lower Upper
 83 100
 55 76.0 63.4 95.2
 98 48.1 38.8 58.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 48.936 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

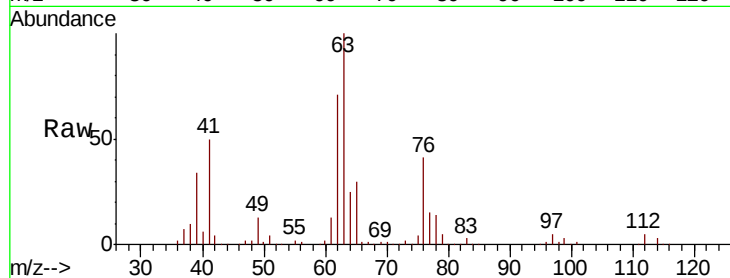
VSTD05088

Tot Ion: 63 Resp: 142867

Ion Ratio Lower Upper

63 100

112 4.8 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VV018441.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018441.D (-1569) (-)

6.20

80000

60000

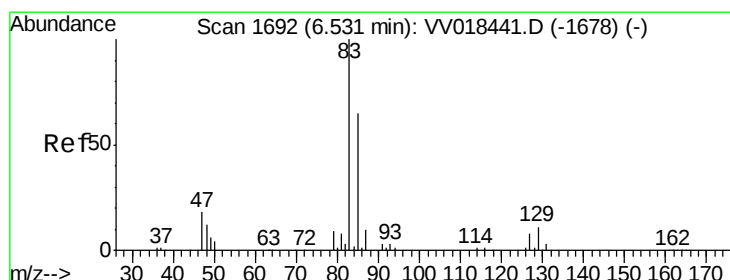
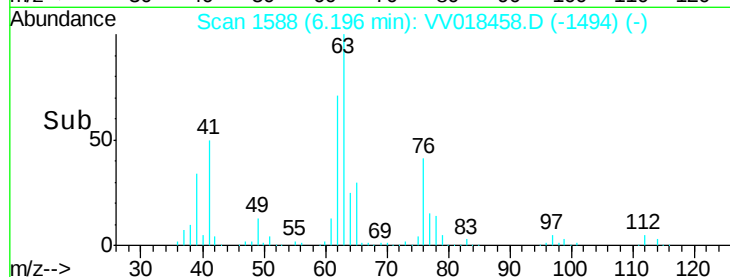
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 48.007 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

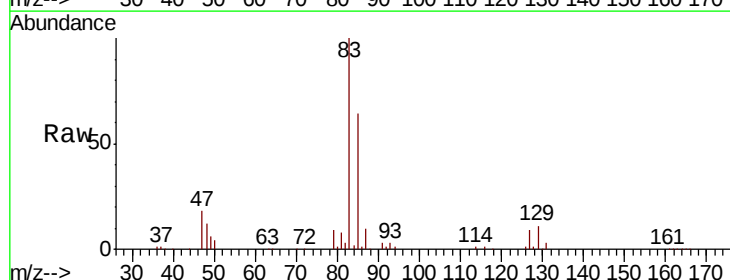
Tgt Ion: 83 Resp: 182388

Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

127 8.8 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV018441.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV018441.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV018441.D (-1678) (-)

6.53

120000

100000

80000

60000

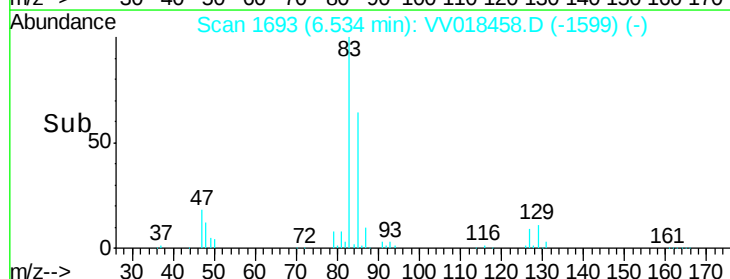
40000

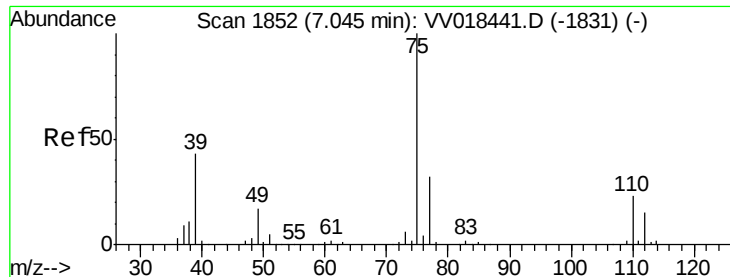
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->

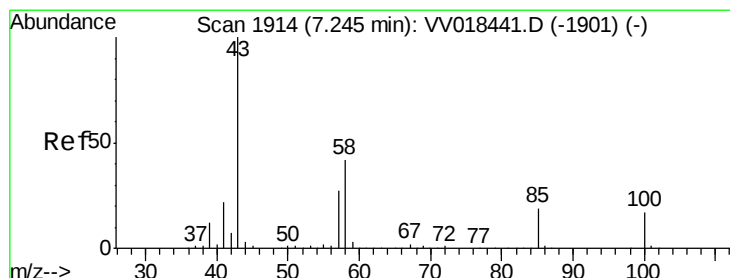
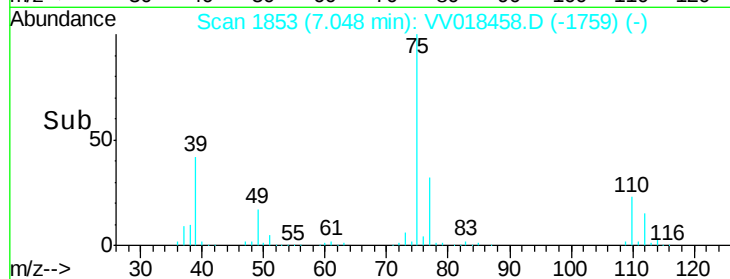
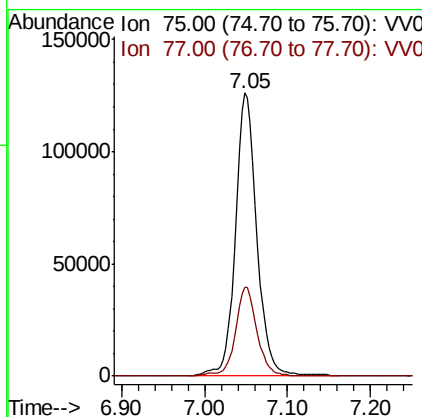
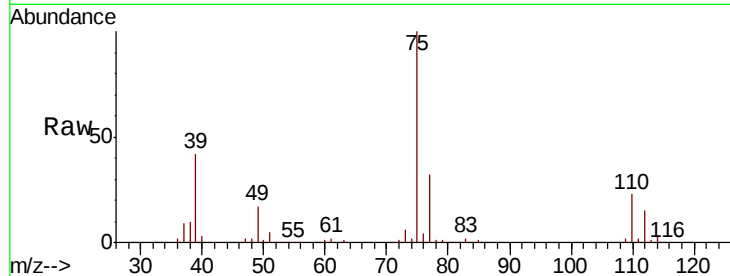




#39
 cis-1,3-Dichloropropene
 Concen: 51.070 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018458.D
 Acq: 25 Sep 2020 16:15

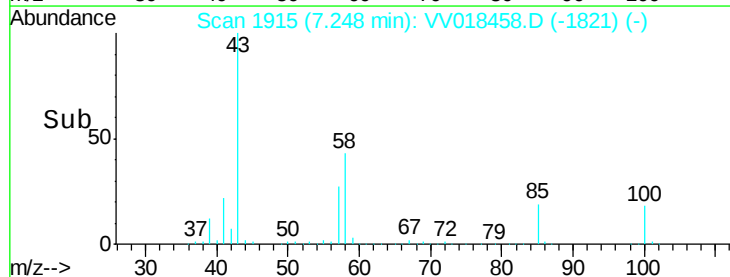
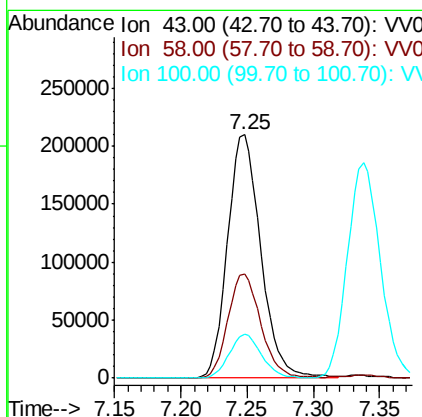
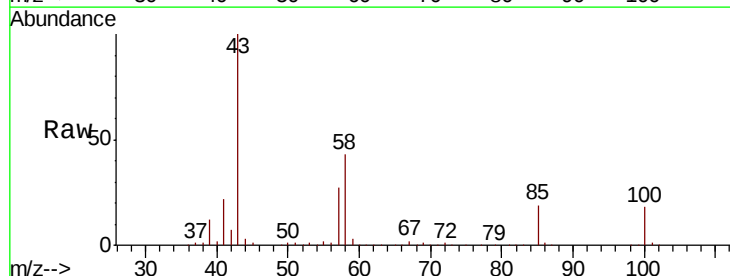
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

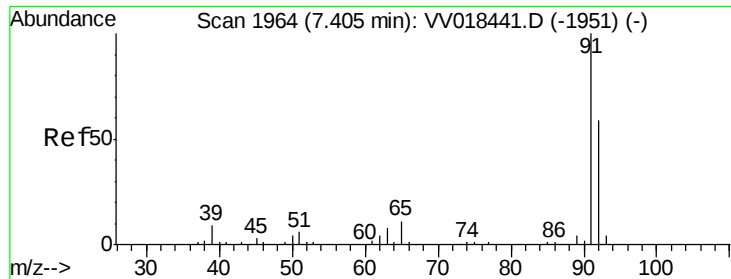
Tot Ion: 75 Resp: 229725
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 103.471 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018458.D
 Acq: 25 Sep 2020 16:15

Tgt Ion: 43 Resp: 366475
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.4 48.6
 100 17.5 12.7 19.1





#42

Toluene

Concen: 50.805 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

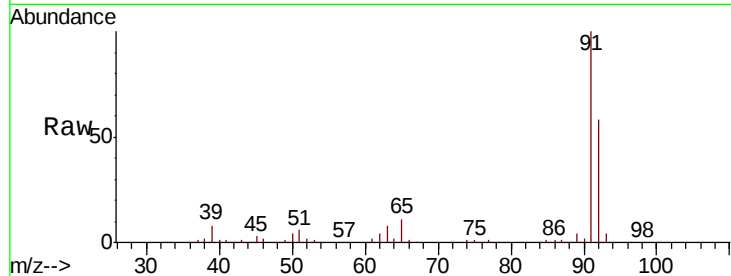
VSTD05088

Tot Ion: 91 Resp: 592356

Ion Ratio Lower Upper

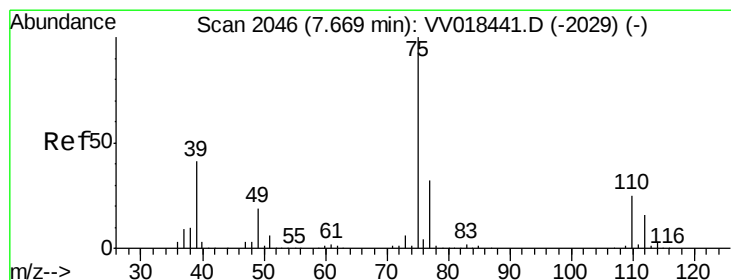
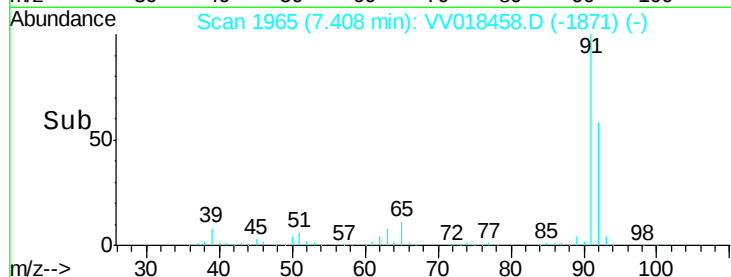
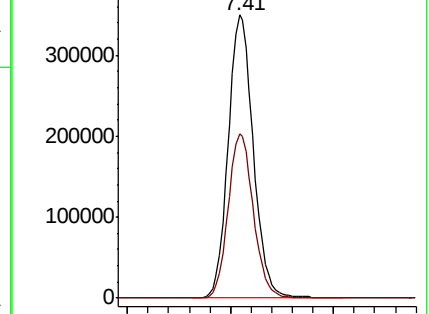
91 100

92 58.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 50.190 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018458.D

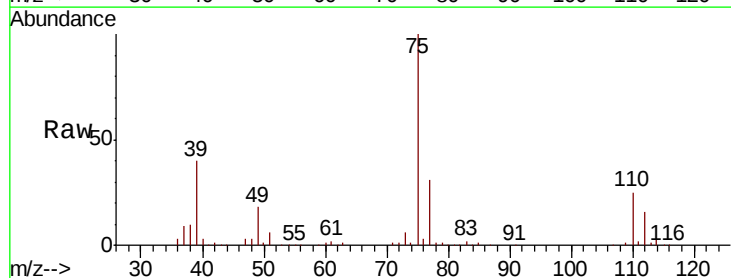
Acq: 25 Sep 2020 16:15

Tgt Ion: 75 Resp: 219819

Ion Ratio Lower Upper

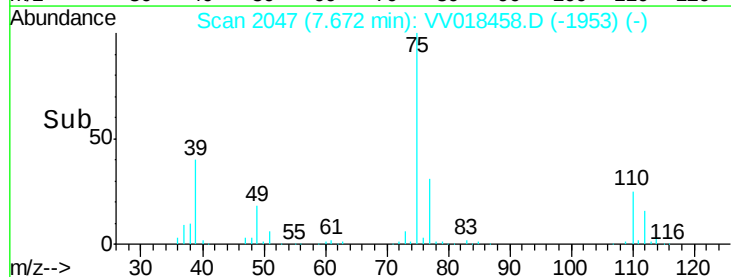
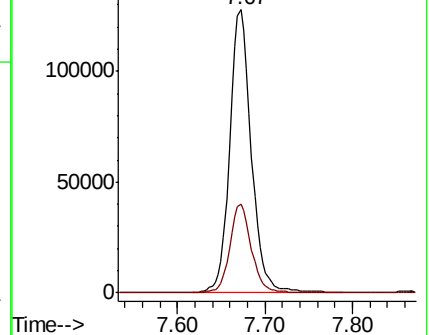
75 100

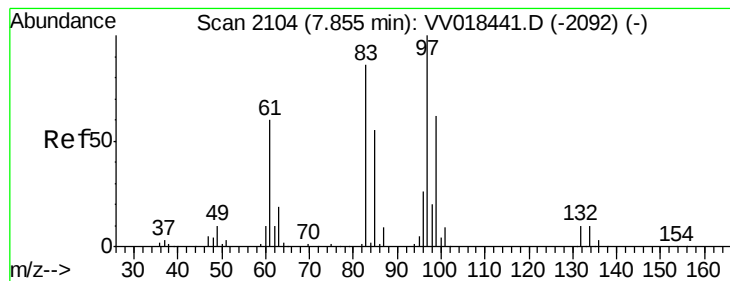
77 31.4 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 50.908 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion: 97 Resp: 137756

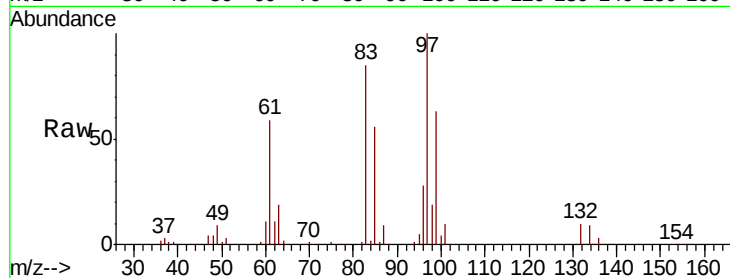
Ion Ratio Lower Upper

97 100

99 63.5 43.7 81.1

83 85.4 59.9 111.3

85 55.5 37.6 69.8

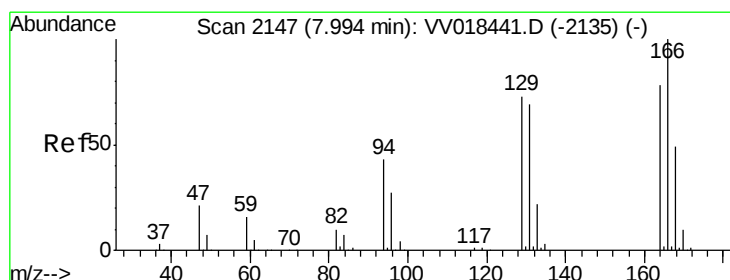
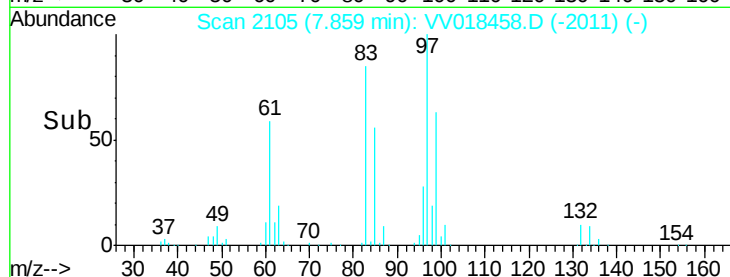
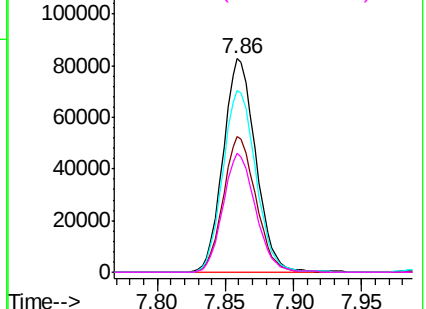


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 48.861 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Tgt Ion: 164 Resp: 114981

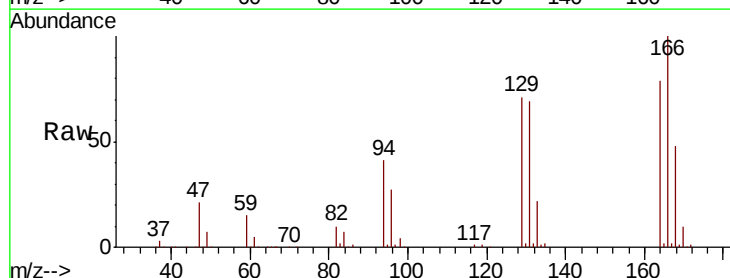
Ion Ratio Lower Upper

164 100

129 89.7 64.5 119.7

131 87.1 61.8 114.8

166 126.1 90.6 168.2

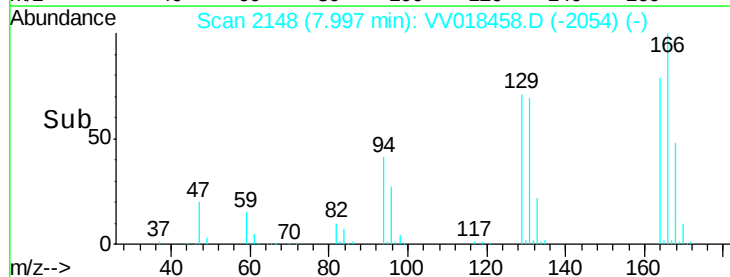
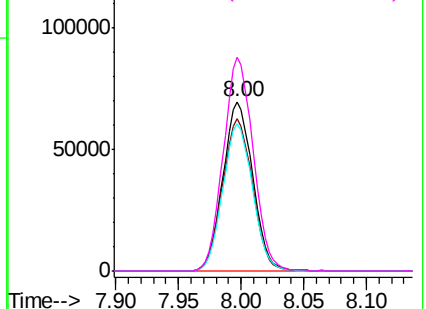


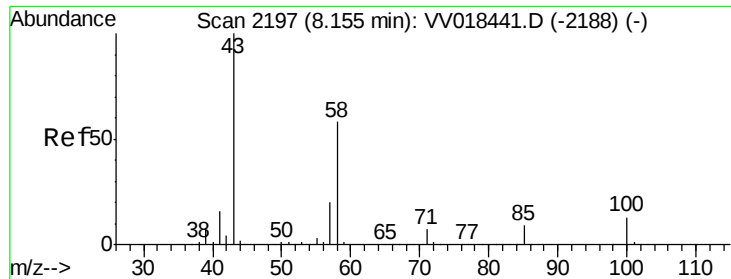
Abundance Ion 164.00 (163.70 to 164.70): V

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

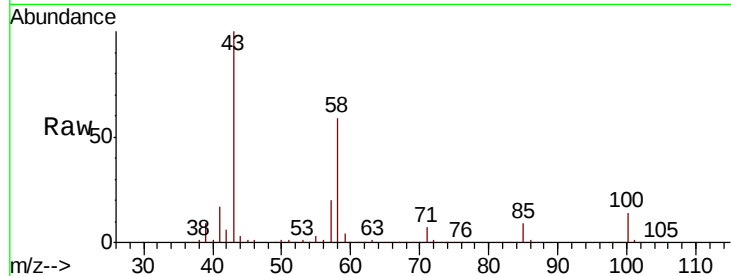




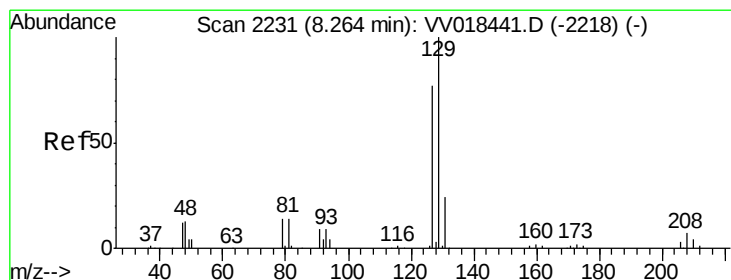
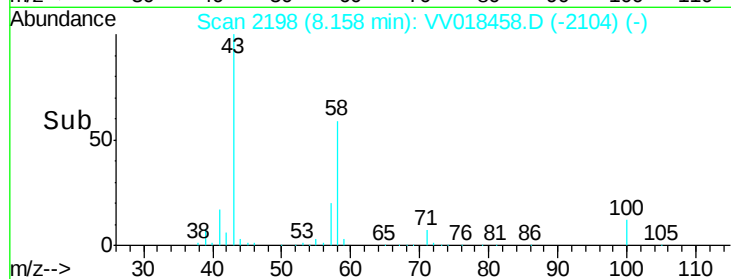
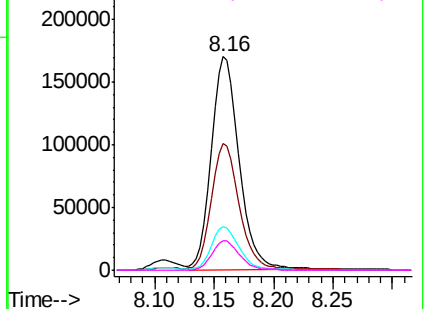
#48
2-Hexanone
Concen: 98.982 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018458.D
Acq: 25 Sep 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion: 43 Resp: 276386
Ion Ratio Lower Upper
43 100
58 59.5 44.8 67.2
57 20.0 15.8 23.6
100 13.9 10.2 15.4

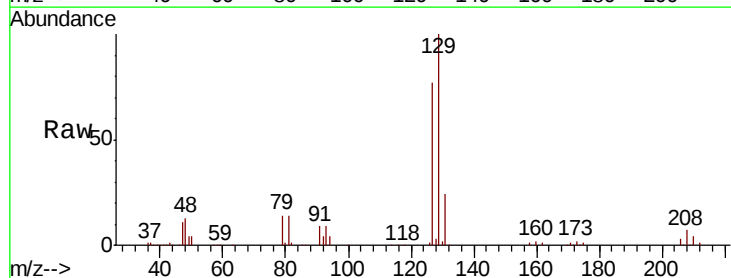


Abundance Ion 43.00 (42.70 to 43.70): VV018458.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV018458.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV018458.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV018458.D (-2198) (-)

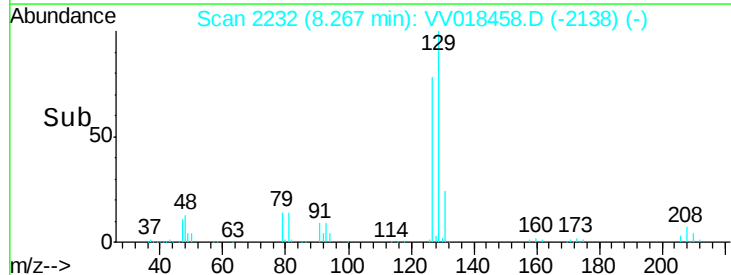
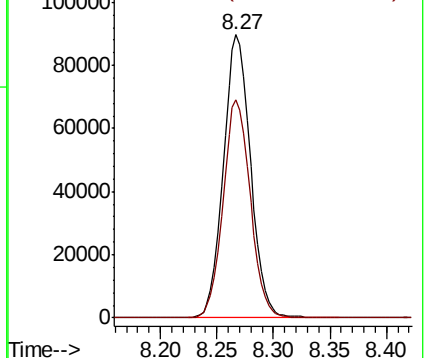


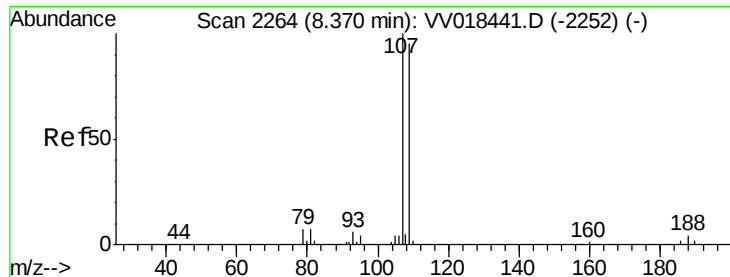
#49
Dibromochloromethane
Concen: 49.359 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018458.D
Acq: 25 Sep 2020 16:15

Tgt Ion: 129 Resp: 149924
Ion Ratio Lower Upper
129 100
127 77.2 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018458.D (-2238) (-)
Ion 127.00 (126.70 to 127.70): VV018458.D (-2238) (-)

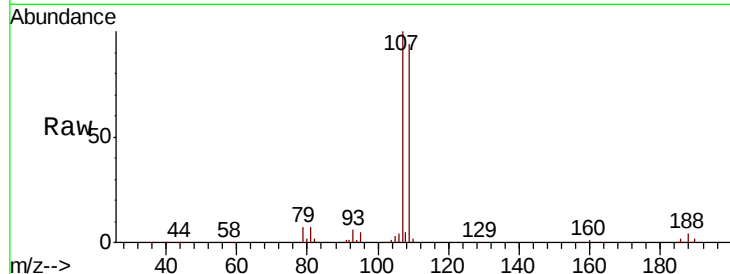




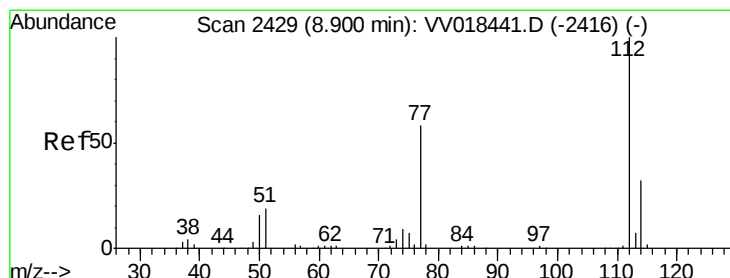
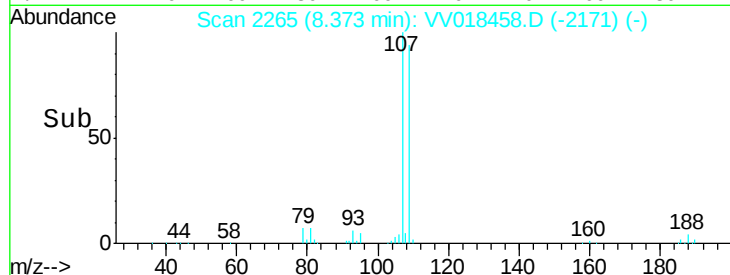
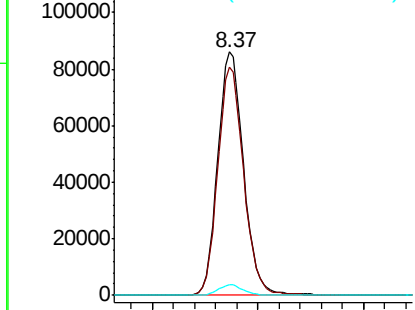
#50
1,2-Dibromoethane
Concen: 51.158 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018458.D
Acq: 25 Sep 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion:107 Resp: 145694
Ion Ratio Lower Upper
107 100
109 93.7 66.1 122.8
188 4.3 3.2 4.8

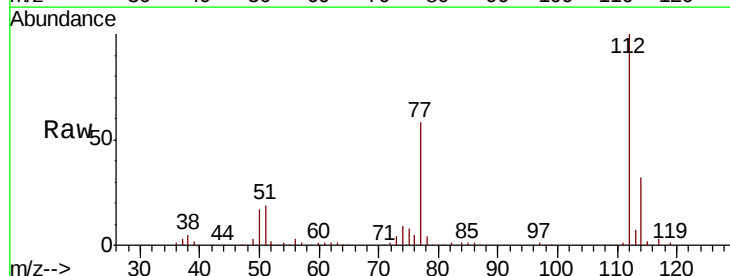


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

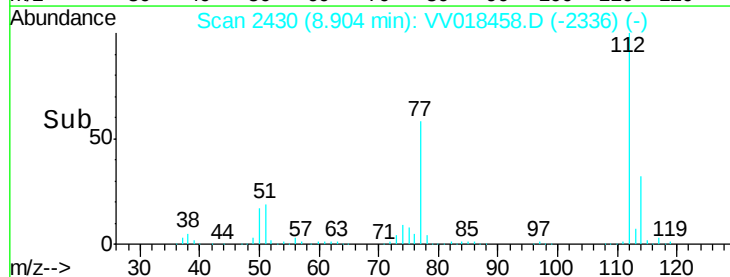
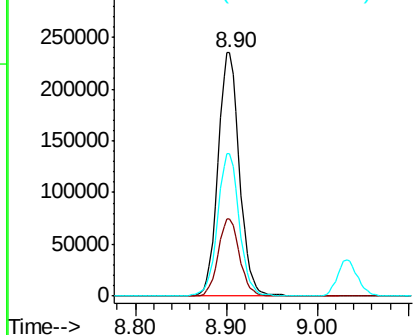


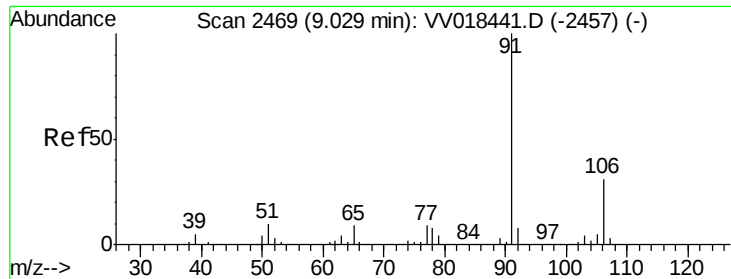
#51
Chlorobenzene
Concen: 50.721 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018458.D
Acq: 25 Sep 2020 16:15

Tgt Ion:112 Resp: 384055
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 58.4 48.0 72.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 51.071 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

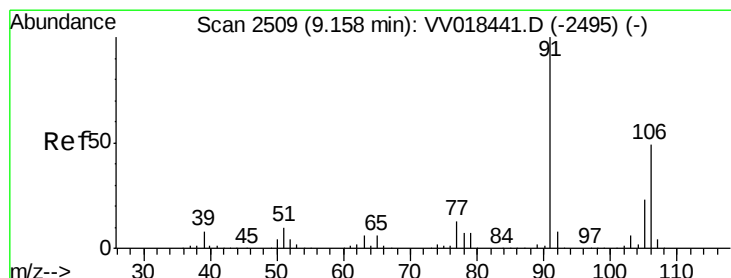
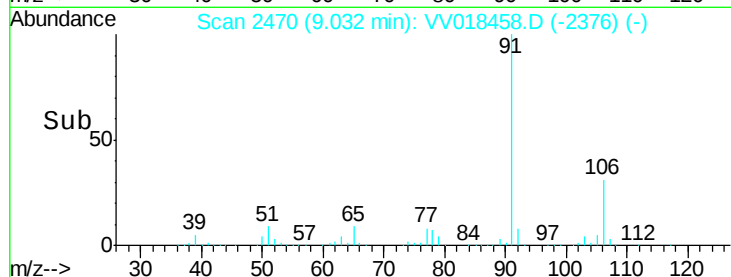
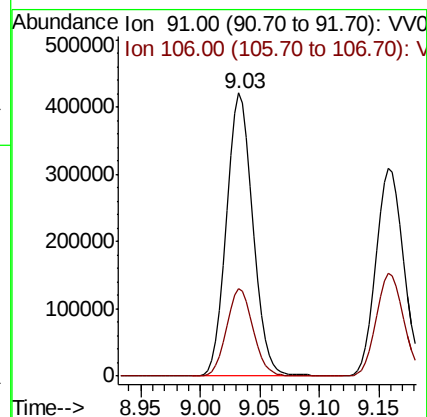
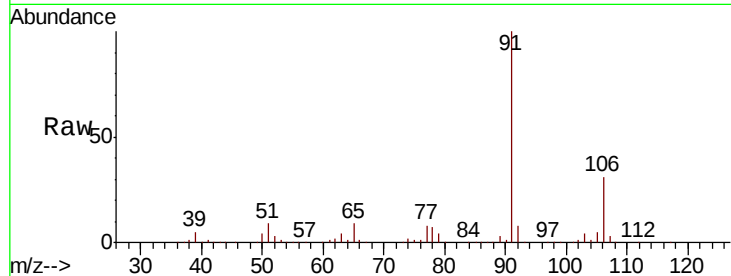
VSTD05088

Tot Ion: 91 Resp: 650098

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



#53

m,p-Xylene

Concen: 51.925 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018458.D

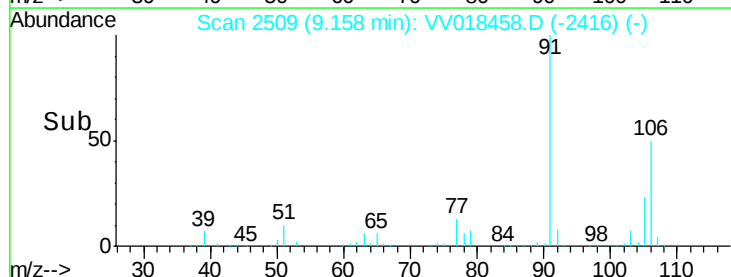
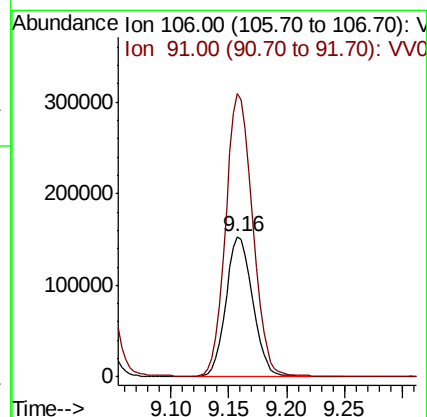
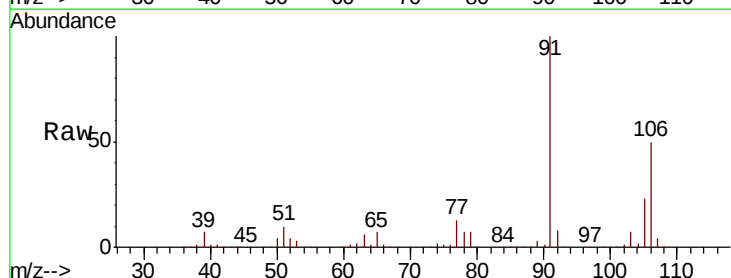
Acq: 25 Sep 2020 16:15

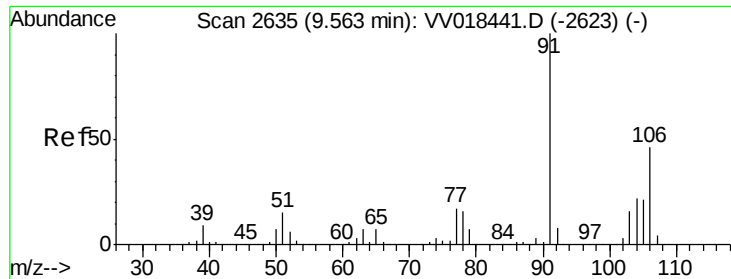
Tgt Ion: 106 Resp: 246706

Ion Ratio Lower Upper

106 100

91 201.4 146.7 272.5





#54

o-xylene

Concen: 52.803 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

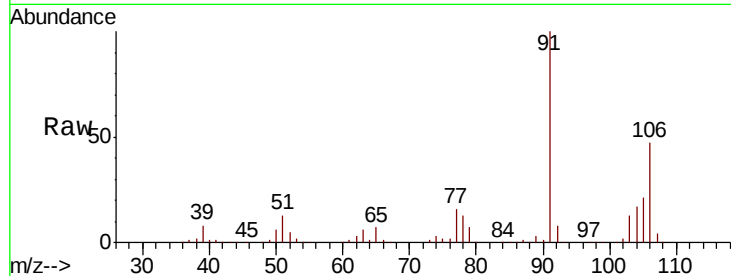
VSTD05088

Tot Ion:106 Resp: 241696

Ion Ratio Lower Upper

106 100

91 214.4 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

400000

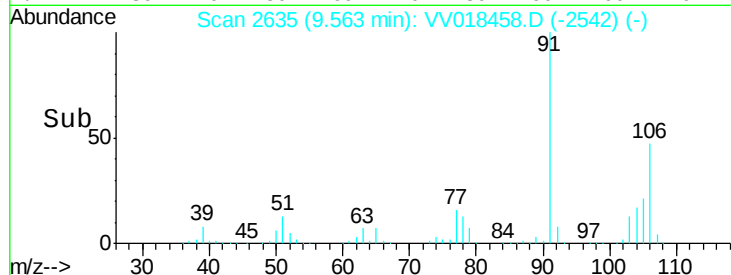
300000

200000

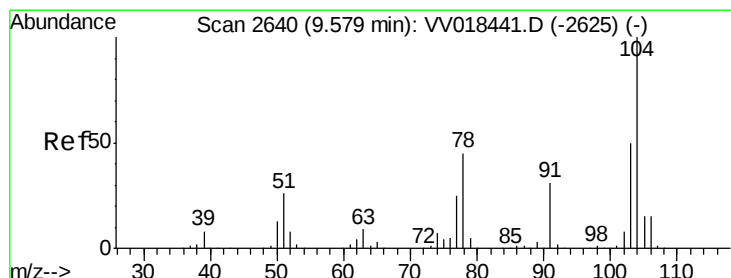
100000

0

9.50 9.55 9.60



Time-->



#55

Styrene

Concen: 53.162 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018458.D

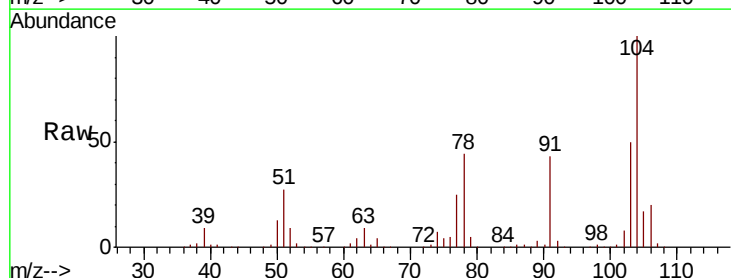
Acq: 25 Sep 2020 16:15

Tgt Ion:104 Resp: 422951

Ion Ratio Lower Upper

104 100

78 44.5 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

300000

250000

200000

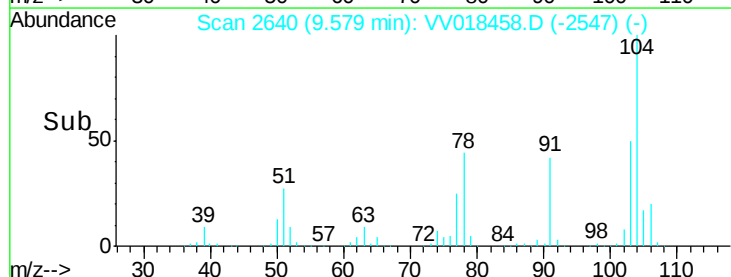
150000

100000

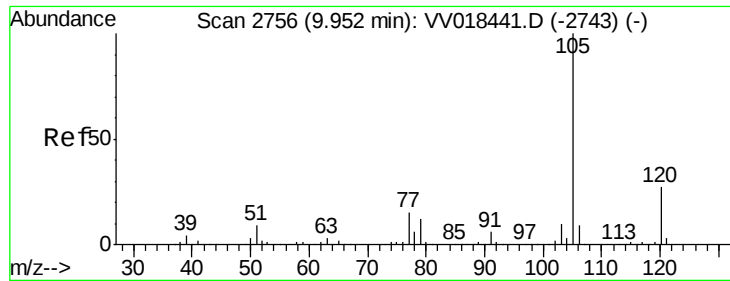
50000

0

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 51.590 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampled :

VSTD05088

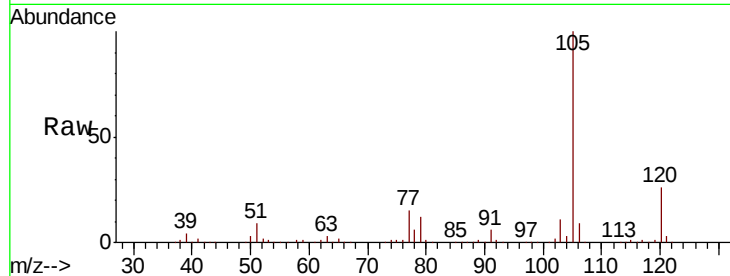
Tot Ion:105 Resp: 636419

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

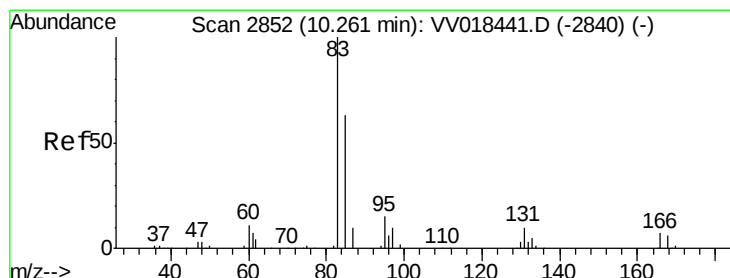
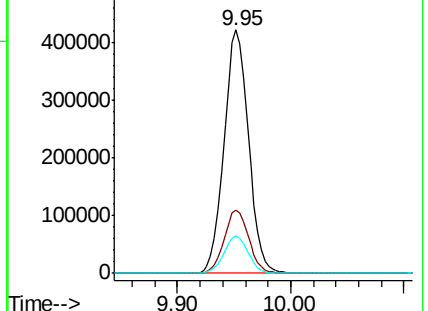
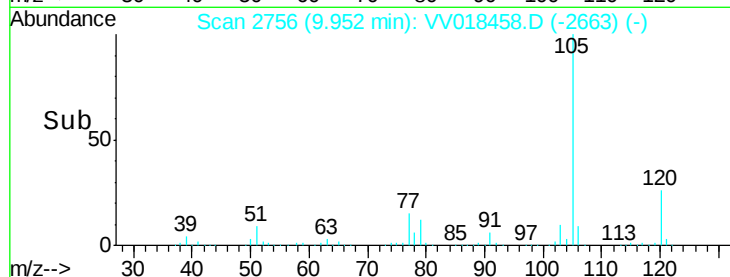
77 15.3 12.5 18.7



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: 51.330 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

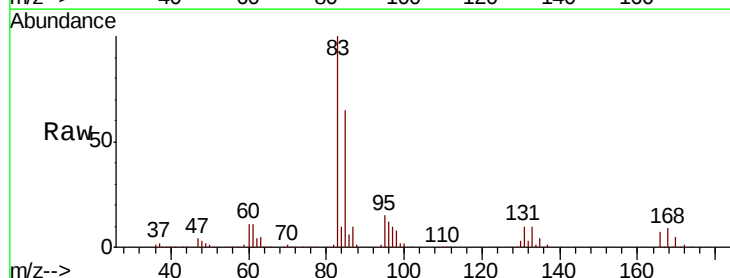
Tgt Ion: 83 Resp: 205463

Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.2

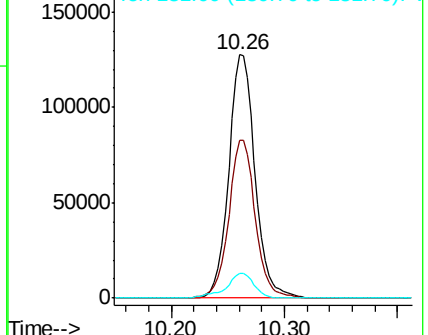
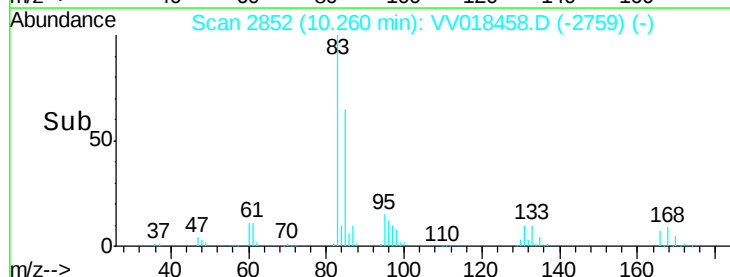
131 9.9 8.0 12.0

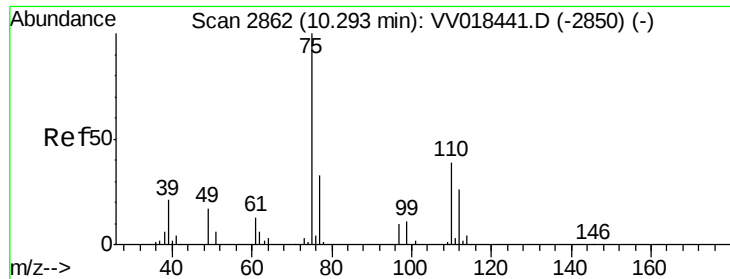


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.537 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

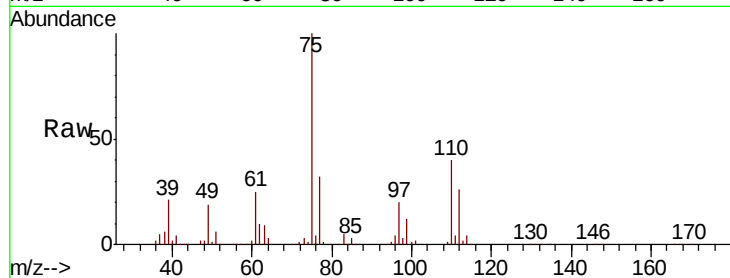
VSTD05088

Tot Ion: 75 Resp: 173535

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018441.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018441.D (-2850) (-)

10.29

120000

100000

80000

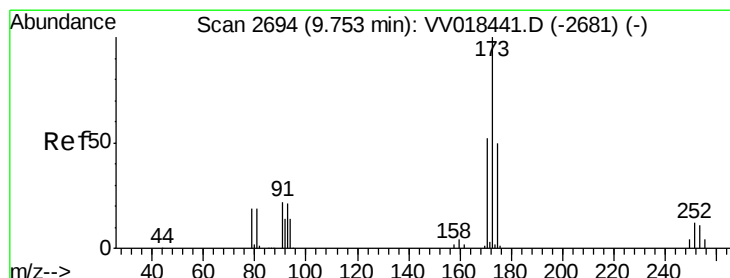
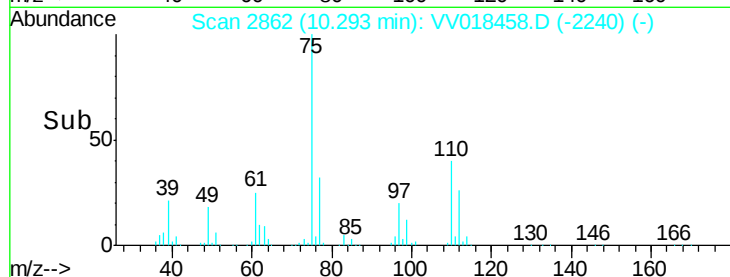
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 51.108 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

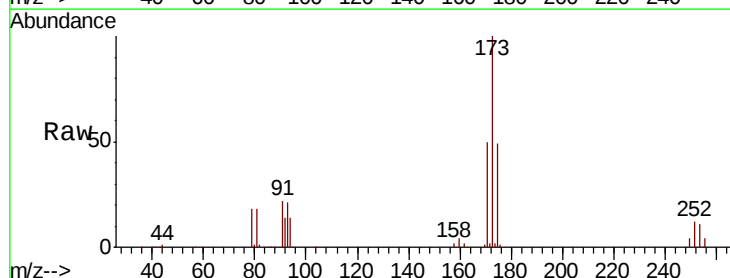
Tgt Ion: 173 Resp: 111435

Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.6

254 11.3 9.0 13.4



Abundance Ion 173.00 (172.70 to 173.70): VV018441.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV018441.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV018441.D (-2681) (-)

9.75

80000

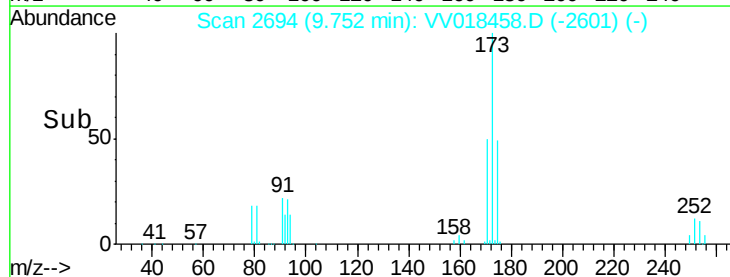
60000

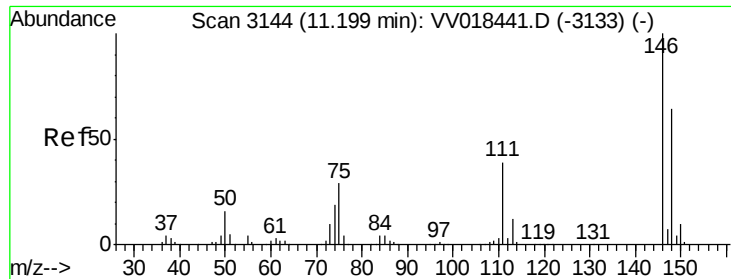
40000

20000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 51.471 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

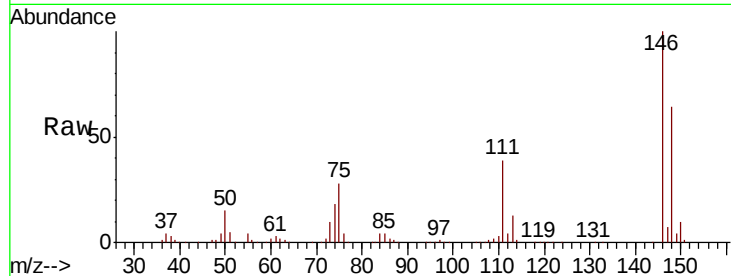
Tot Ion:146 Resp: 310640

Ion Ratio Lower Upper

146 100

111 38.9 27.6 51.2

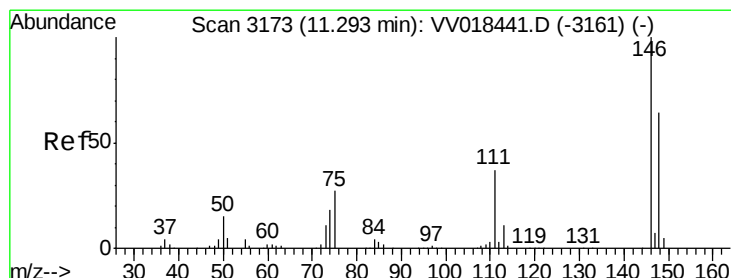
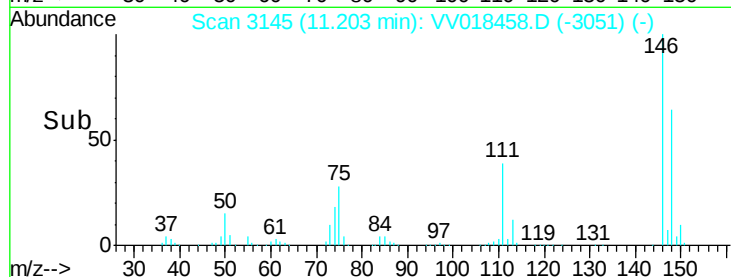
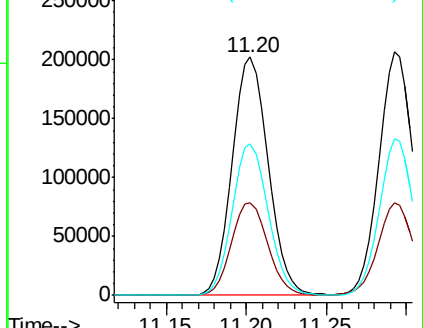
148 63.8 45.4 84.2



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: 50.838 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

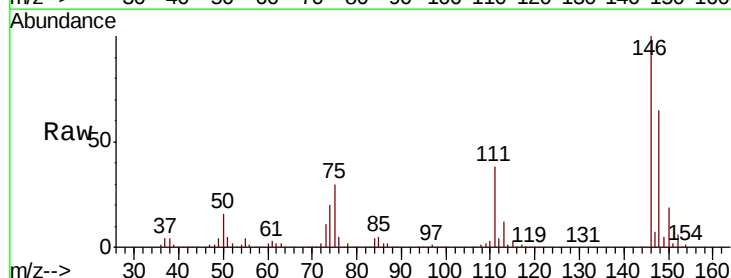
Tgt Ion:146 Resp: 315369

Ion Ratio Lower Upper

146 100

111 37.9 27.1 50.3

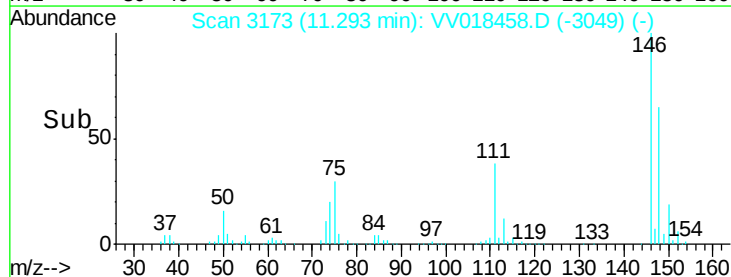
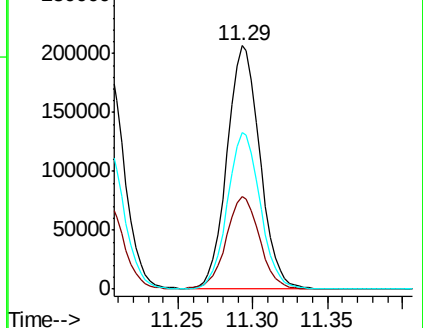
148 64.6 45.4 84.2

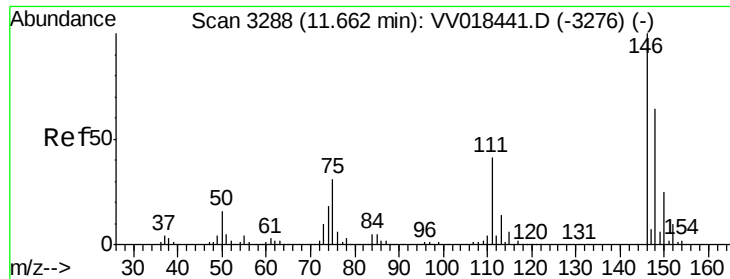


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.690 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

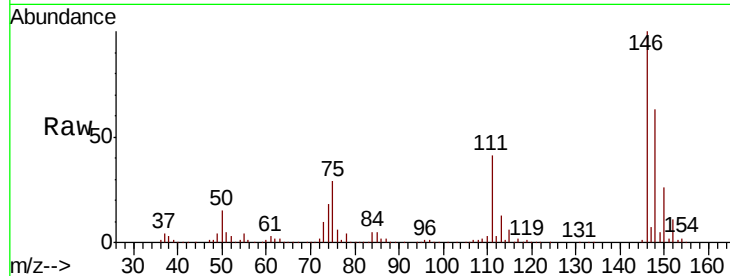
Tot Ion:146 Resp: 309225

Ion Ratio Lower Upper

146 100

111 41.3 32.8 49.2

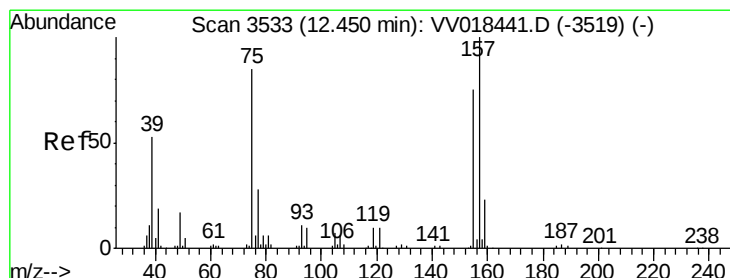
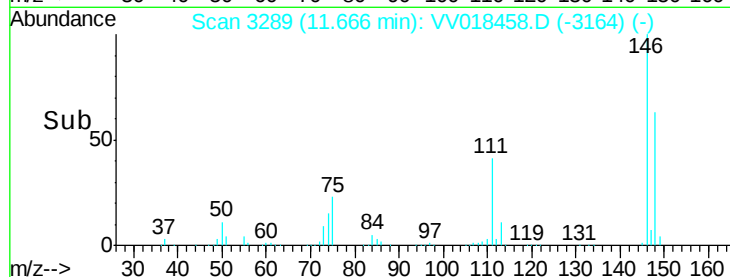
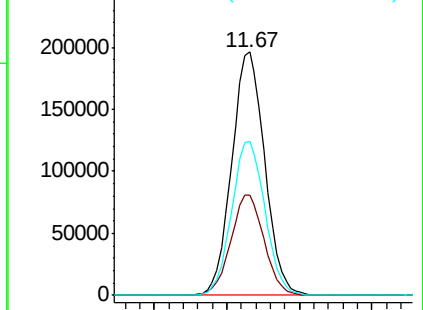
148 63.4 50.7 76.1



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: 52.522 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

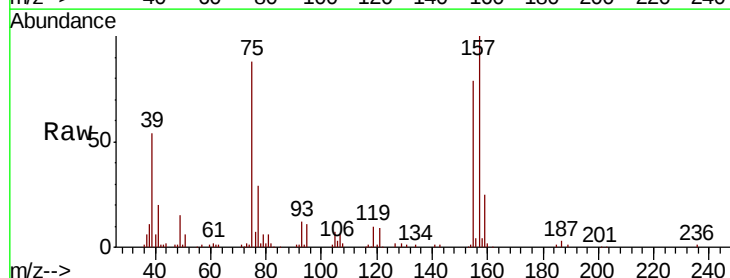
Tgt Ion: 75 Resp: 45213

Ion Ratio Lower Upper

75 100

155 89.8 69.7 104.5

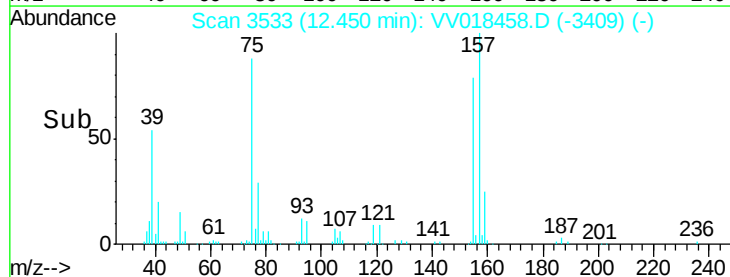
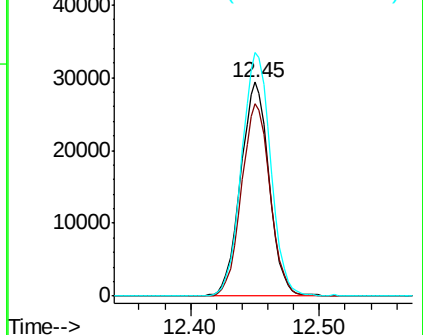
157 113.8 88.2 132.4

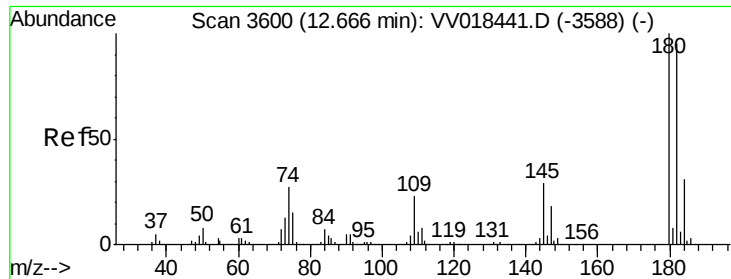


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

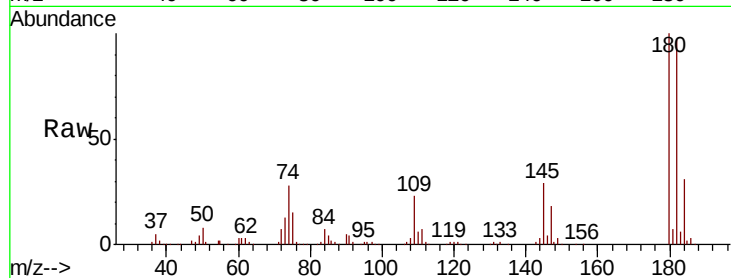




#67
 1,3,5-Trichlorobenzene
 Concen: 44.956 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018458.D
 Acq: 25 Sep 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.8	115.2
184	30.8	24.6	36.8
145	28.8	22.7	34.1

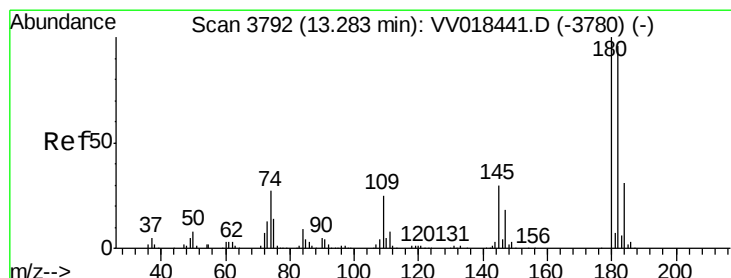
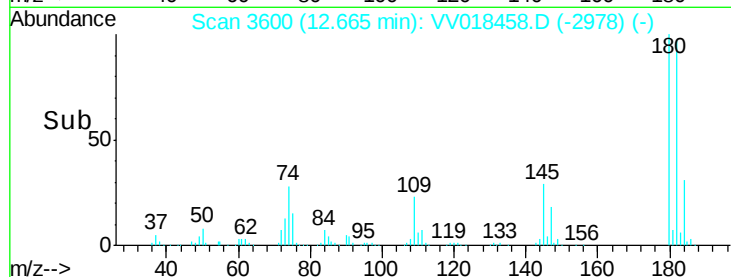
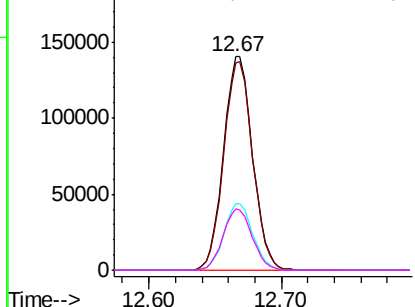


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

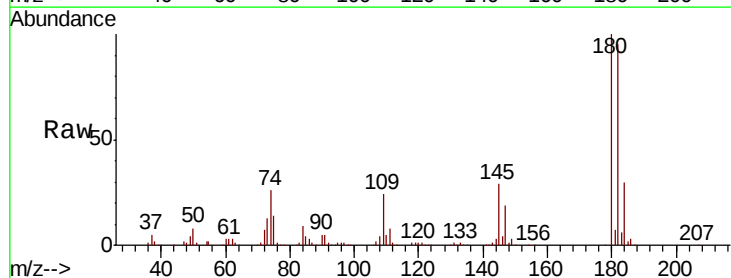
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.014 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018458.D
 Acq: 25 Sep 2020 16:15

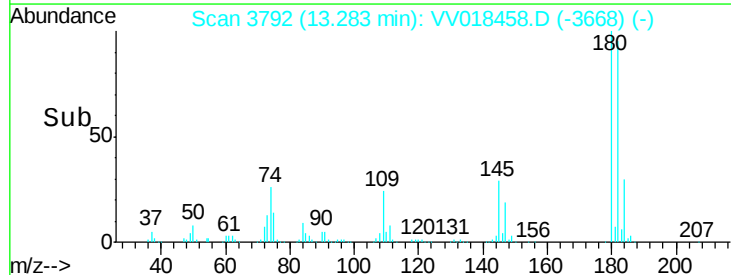
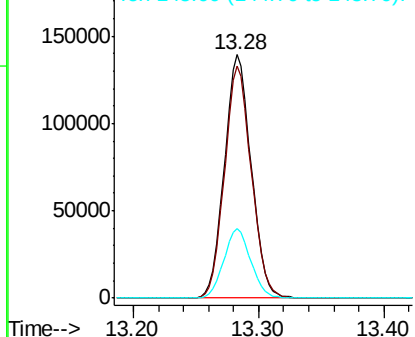
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.4	116.2
145	28.6	23.2	34.8

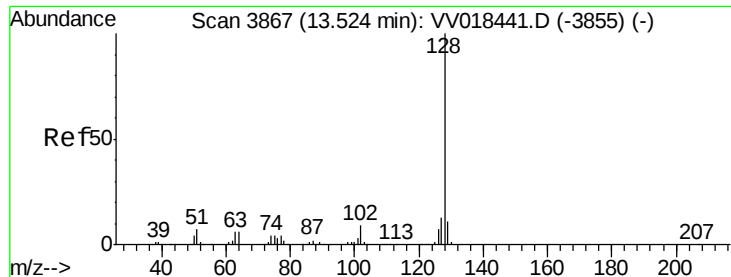


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 60.313 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

Instrument :

MSVOA_V

ClientSampled :

VSTD05088

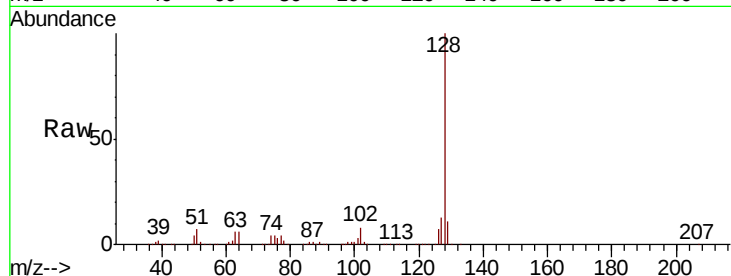
Tot Ion:128 Resp: 646600

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

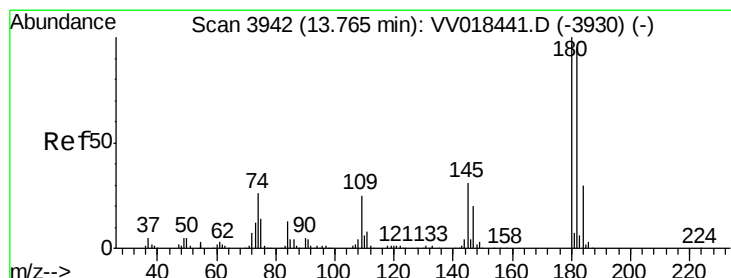
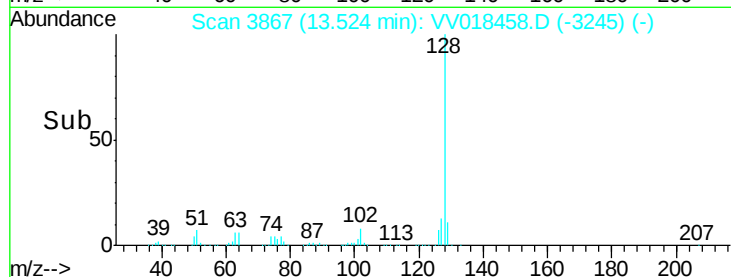
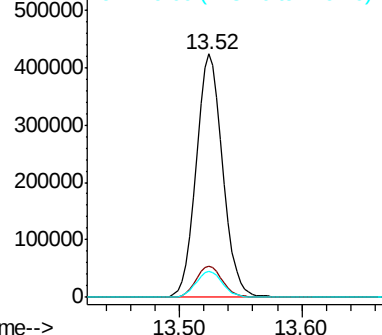
129 10.9 8.6 13.0



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: 49.302 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018458.D

Acq: 25 Sep 2020 16:15

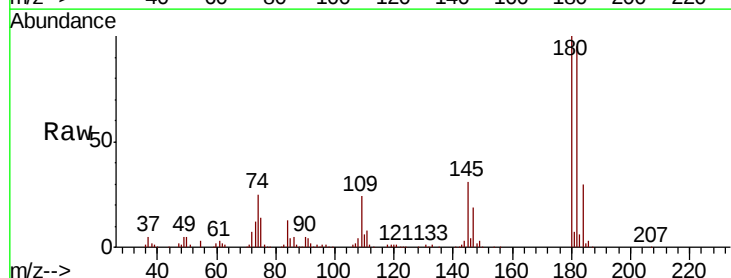
Tgt Ion:180 Resp: 205741

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 31.1 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

