

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
 Data File : VV018869.D
 Acq On : 13 Oct 2020 10:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Oct 14 01:01:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 13 13:10:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	344454	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	336680	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182533	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	113120	36.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.28%
7) Chloroethane-d5	1.58	69	97151	38.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.12%
11) 1,1-Dichloroethene-d2	2.12	63	235837	39.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.16%
21) 2-Butanone-d5	3.90	46	192958	100.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.41%
24) Chloroform-d	4.37	84	239928	43.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.90%
26) 1,2-Dichloroethane-d4	5.05	65	160590	42.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.80%
32) Benzene-d6	5.07	84	460062	42.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.92%
36) 1,2-Dichloropropane-d6	6.09	67	152154	43.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.14%
41) Toluene-d8	7.33	98	422069	43.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.76%
43) trans-1,3-Dichloropropene-	7.64	79	76264	44.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.32%
47) 2-Hexanone-d5	8.10	63	120153	97.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.03%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	185553	45.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	172913	42.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	135262	60.834	ug/L 99
3) Chloromethane	1.25	50	141960	48.666	ug/L 99
5) Vinyl chloride	1.32	62	143914	47.319	ug/L 99
6) Bromomethane	1.53	94	85940	47.949	ug/L 99
8) Chloroethane	1.59	64	87158	43.770	ug/L 97
9) Trichlorofluoromethane	1.76	101	203243	45.708	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	110859	44.775	ug/L 98
12) 1,1-Dichloroethene	2.13	96	104603	43.878	ug/L 98
13) Acetone	2.18	43	188925	117.953	ug/L 99
14) Carbon disulfide	2.31	76	333219	47.219	ug/L 100
15) Methyl Acetate	2.44	43	132762	42.429	ug/L 98
16) Methylene chloride	2.52	84	124620	42.464	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	116226	46.188	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	367584	43.563	ug/L 99
19) 1,1-Dichloroethane	3.21	63	226490	45.862	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	124307	46.742	ug/L 96
22) 2-Butanone	3.98	43	213203	113.600	ug/L 97

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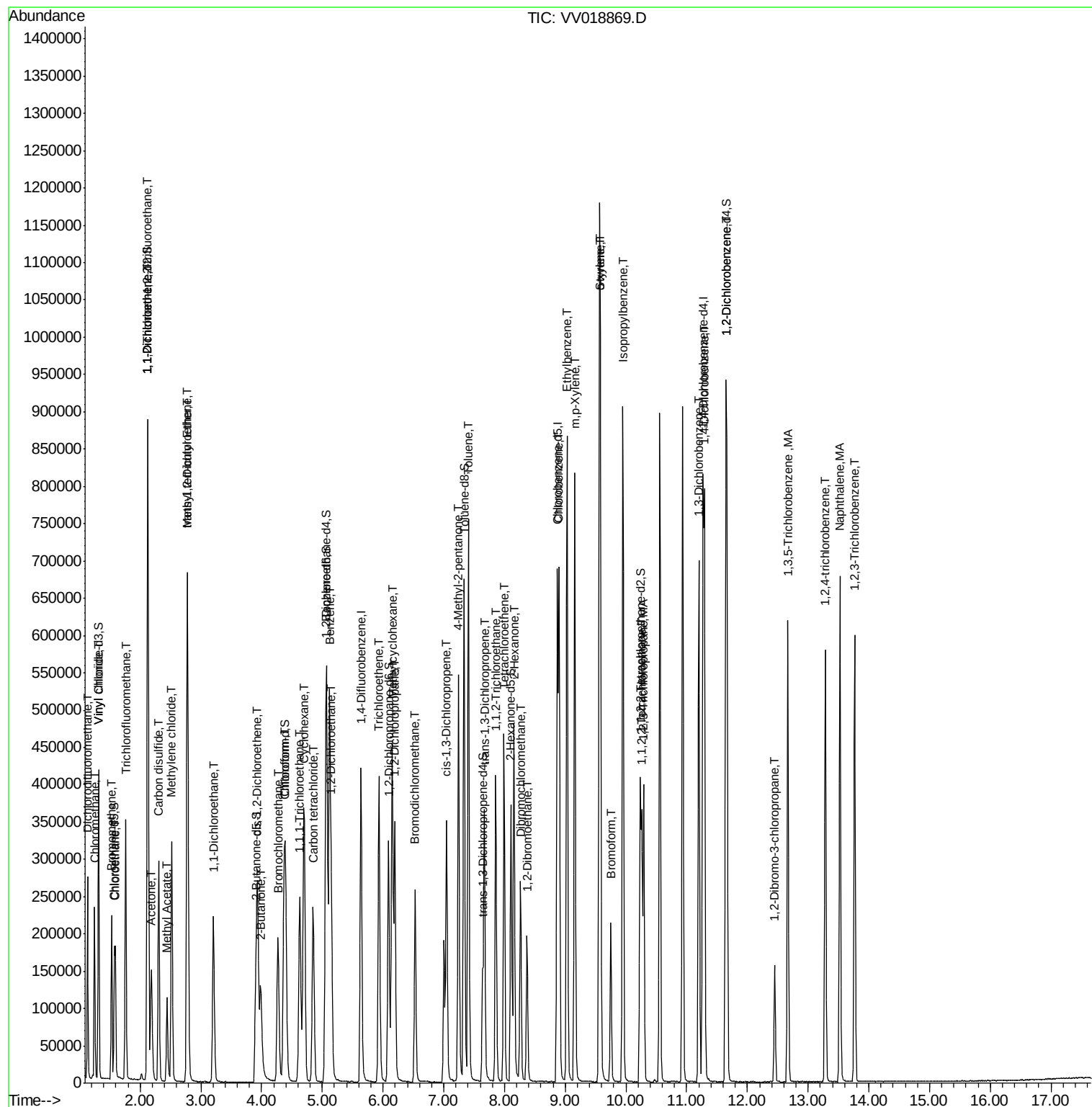
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	64850	47.034	ug/L	97
25) Chloroform	4.40	83	230851	45.547	ug/L	98
27) 1,2-Dichloroethane	5.15	62	183375	44.471	ug/L	98
29) Cyclohexane	4.70	56	199754	48.992	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	199469	44.452	ug/L	100
31) Carbon tetrachloride	4.85	117	174328	46.094	ug/L	100
33) Benzene	5.12	78	493866	46.236	ug/L	100
34) Trichloroethene	5.93	95	138286	44.983	ug/L	99
35) Methylcyclohexane	6.15	83	181787	48.327	ug/L	98
37) 1,2-Dichloropropane	6.19	63	132375	45.117	ug/L	100
38) Bromodichloromethane	6.53	83	168803	45.301	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	201480	48.608	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	361011	94.680	ug/L	100
42) Toluene	7.41	91	527531	48.083	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	198764	46.795	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	120010	45.541	ug/L	98
46) Tetrachloroethene	7.99	164	101690	45.135	ug/L	98
48) 2-Hexanone	8.15	43	304707	101.231	ug/L	99
49) Dibromochloromethane	8.26	129	131536	45.668	ug/L	98
50) 1,2-Dibromoethane	8.37	107	124618	46.237	ug/L	100
51) Chlorobenzene	8.90	112	334685	45.962	ug/L	99
52) Ethylbenzene	9.03	91	575699	46.208	ug/L	99
53) m,p-Xylene	9.16	106	218332	47.741	ug/L	98
54) o-xylene	9.56	106	207906	47.865	ug/L	96
55) Styrene	9.58	104	372268	48.422	ug/L	98
56) Isopropylbenzene	9.95	105	553490	46.054	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	164502	44.752	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	156237	44.751	ug/L	99
61) Bromoform	9.75	173	92777	45.810	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	271033	45.544	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	280025	45.235	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	266746	44.648	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	36591	44.400	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	181552	47.101	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	170057	46.918	ug/L	99
69) Naphthalene	13.52	128	490735	48.053	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	174253	48.430	ug/L	99

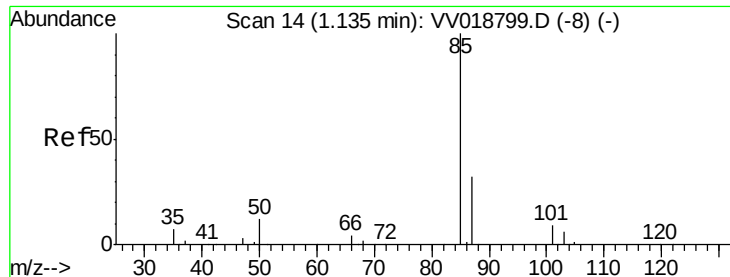
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 60.834 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

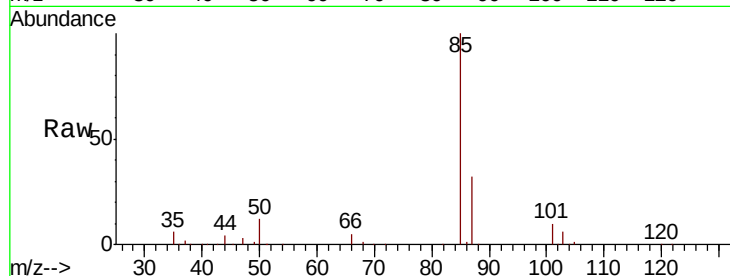
VSTD05087

Tot Ion: 85 Resp: 135262

Ion Ratio Lower Upper

85 100

87 32.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018799.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV018799.D (-8) (-)

1.14

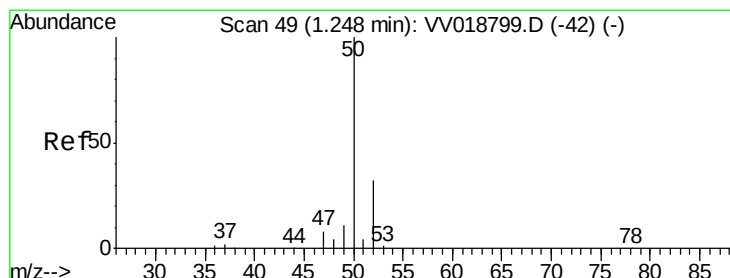
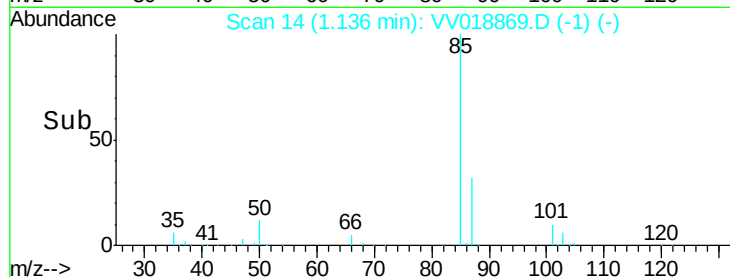
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.666 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018869.D

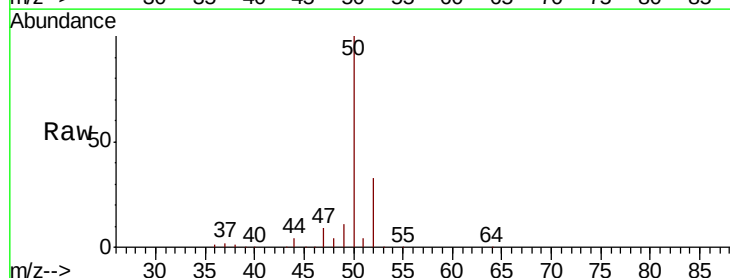
Acq: 13 Oct 2020 10:14

Tgt Ion: 50 Resp: 141960

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018799.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018799.D (-42) (-)

1.25

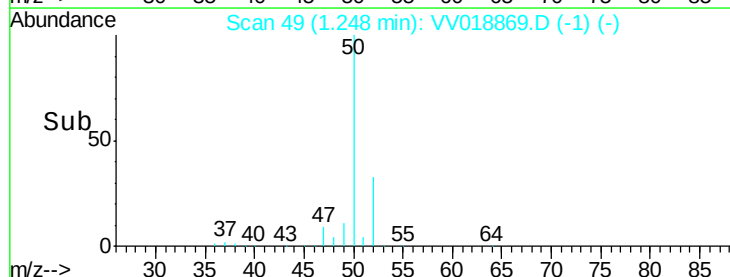
150000

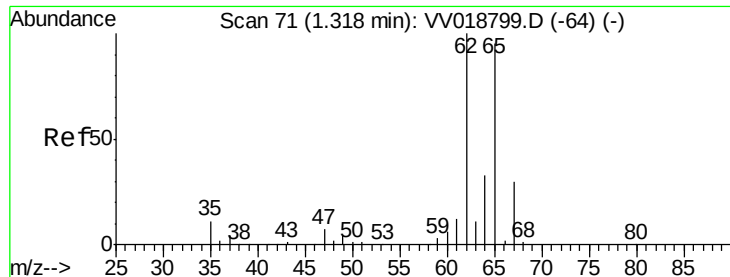
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.319 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

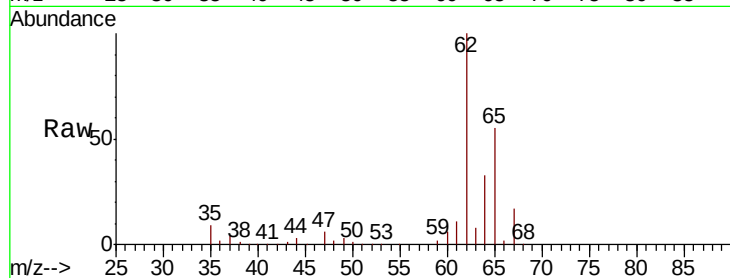
VSTD05087

Tot Ion: 62 Resp: 143914

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

150000

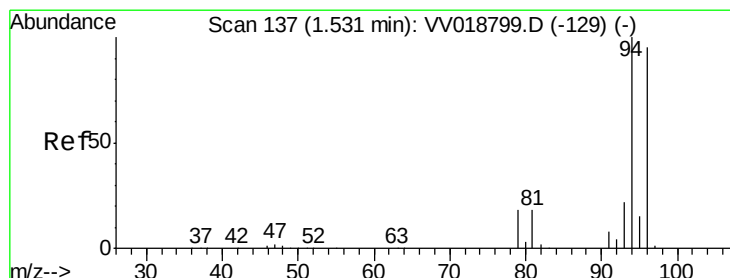
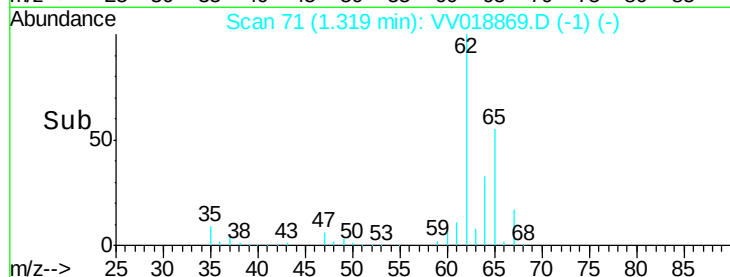
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 47.949 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018869.D

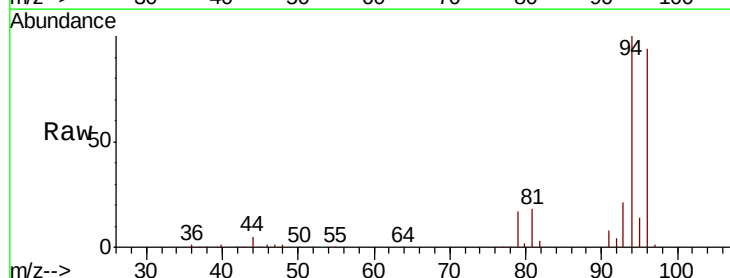
Acq: 13 Oct 2020 10:14

Tgt Ion: 94 Resp: 85940

Ion Ratio Lower Upper

94 100

96 93.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

60000

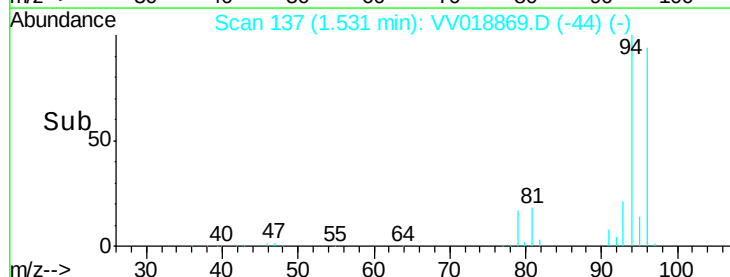
40000

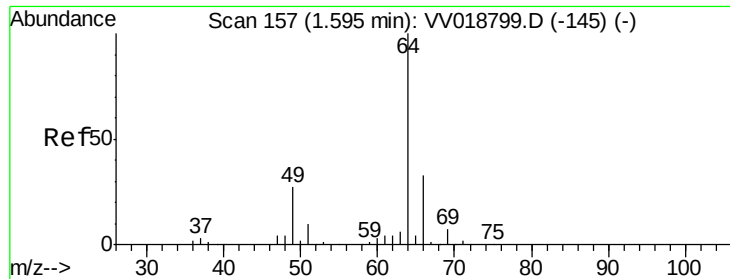
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 43.770 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

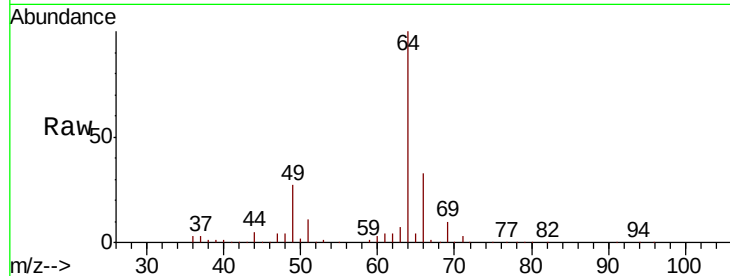
VSTD05087

Tot Ion: 64 Resp: 87158

Ion Ratio Lower Upper

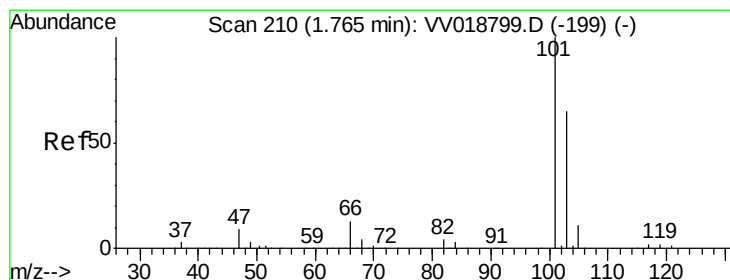
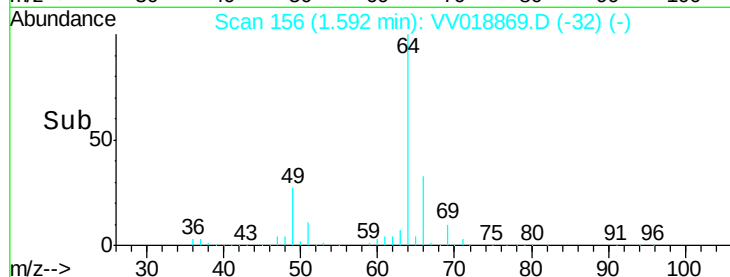
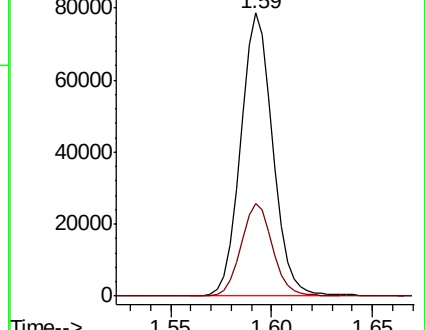
64 100

66 32.8 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV018799.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV018799.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 45.708 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV018869.D

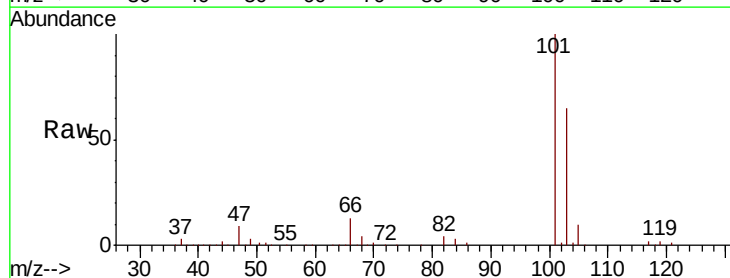
Acq: 13 Oct 2020 10:14

Tgt Ion: 101 Resp: 203243

Ion Ratio Lower Upper

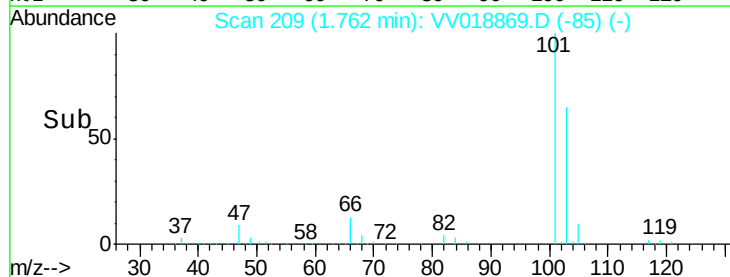
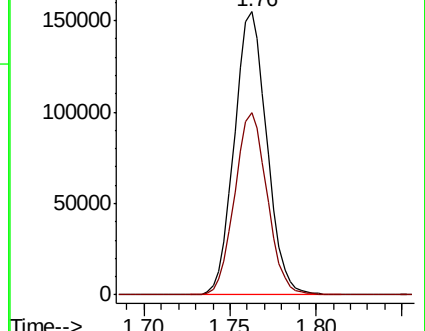
101 100

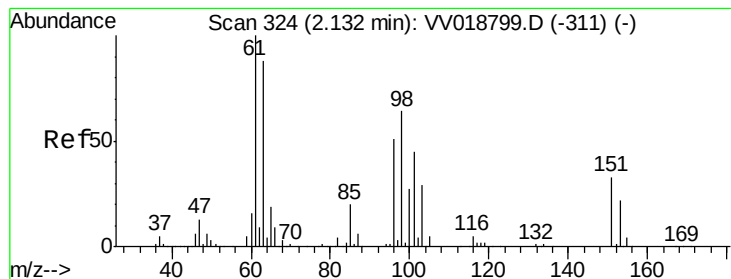
103 64.6 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV018799.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018799.D (-199) (-)





#10

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

Concen: 44.775 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampled :

VSTD05087

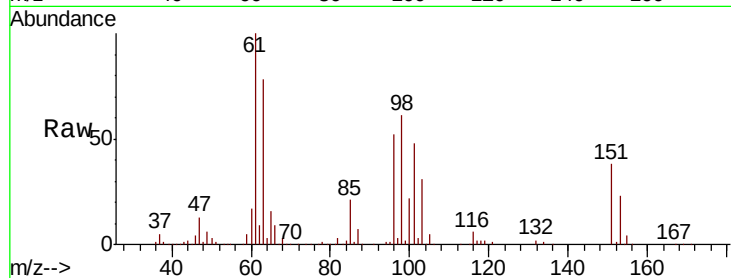
Tot Ion:101 Resp: 110859

Ion Ratio Lower Upper

101 100

85 44.2 35.9 53.9

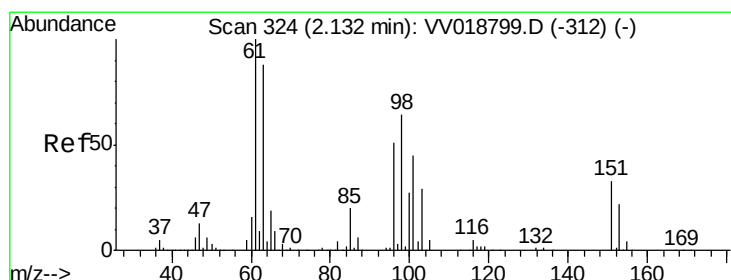
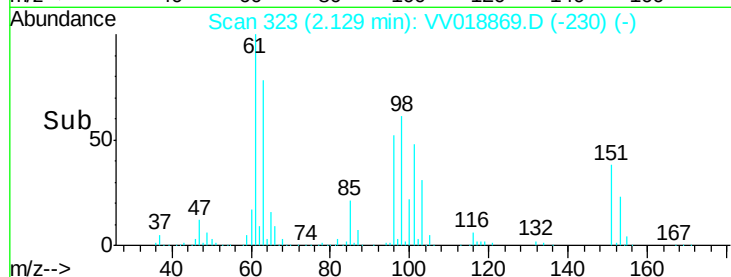
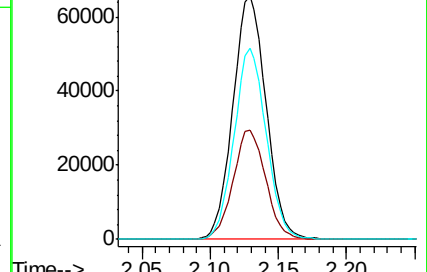
151 76.4 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV018869.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018869.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018869.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 43.878 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

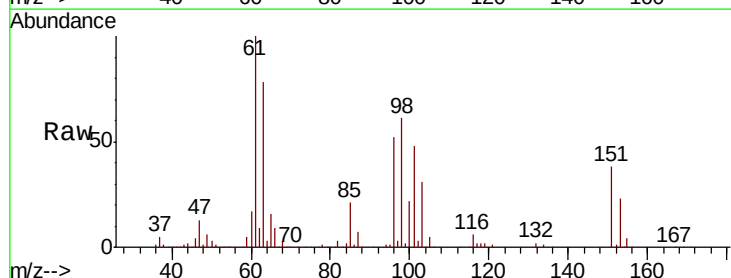
Tgt Ion: 96 Resp: 104603

Ion Ratio Lower Upper

96 100

61 190.6 133.6 248.0

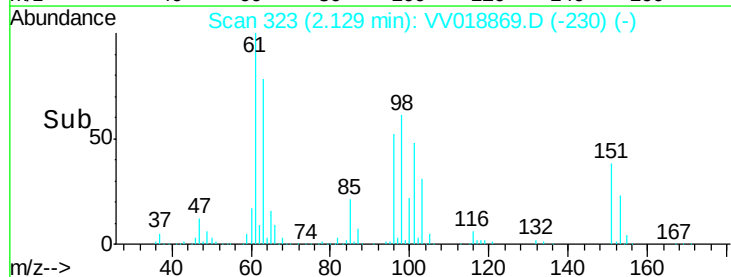
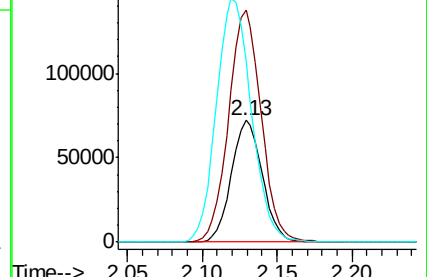
63 149.0 108.4 201.4

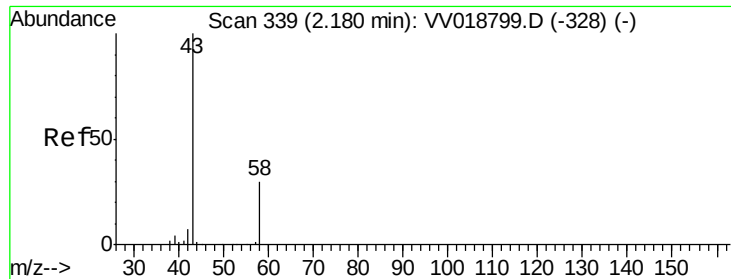


Abundance Ion 96.00 (95.70 to 96.70): VV018869.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV018869.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV018869.D (-230) (-)





#13

Acetone

Concen: 117.953 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.01 min

Lab File: VV018869.D

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ClientSampleId :

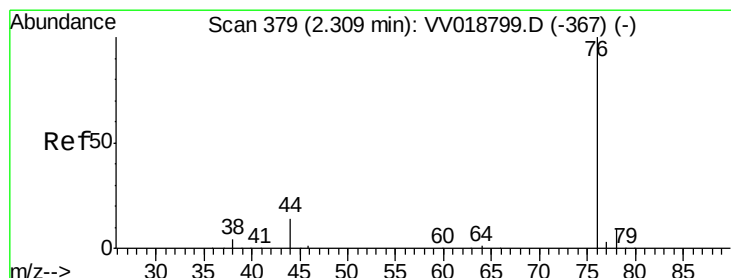
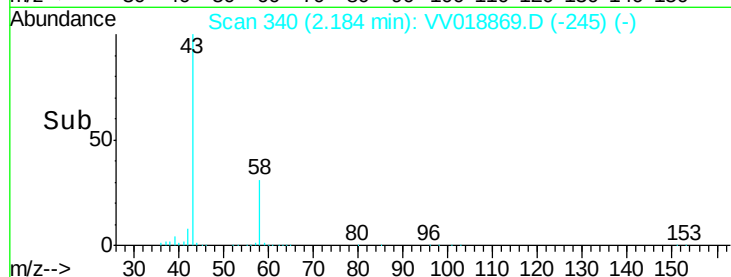
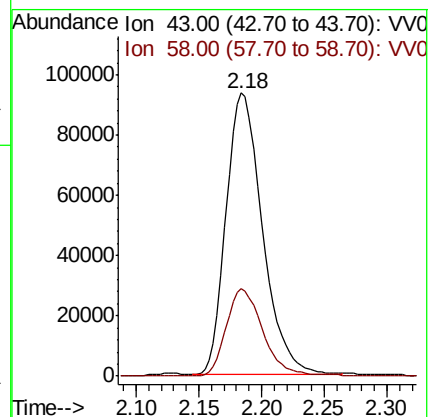
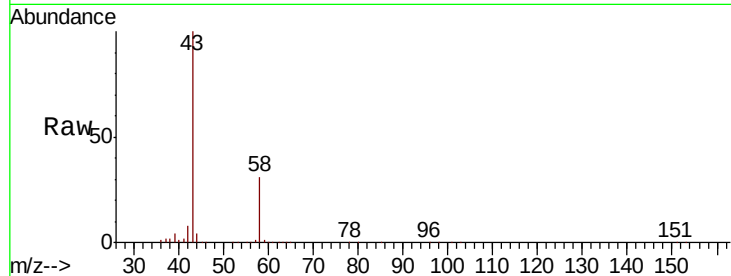
VSTD05087

Tot Ion: 43 Resp: 188925

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.0



#14

Carbon disulfide

Concen: 47.219 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV018869.D

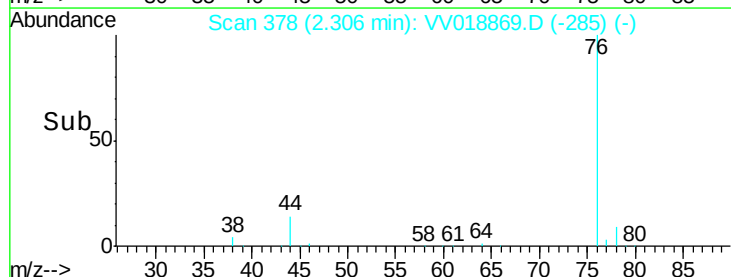
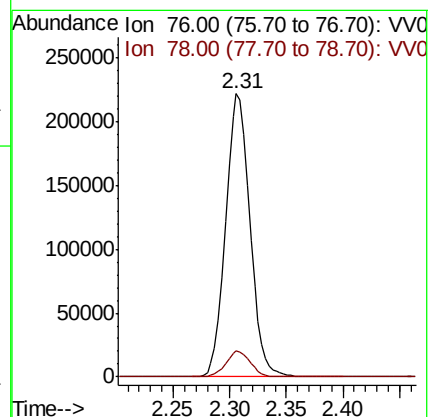
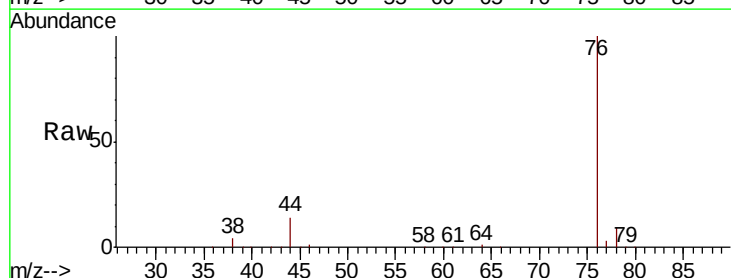
Acq: 13 Oct 2020 10:14

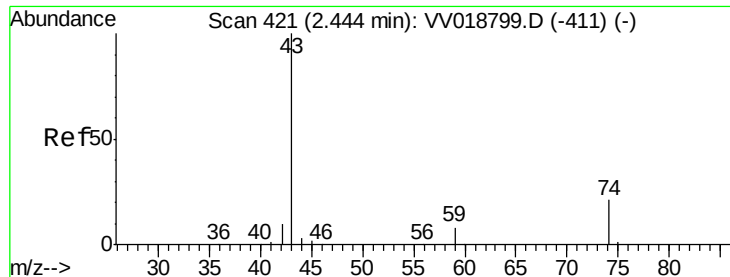
Tgt Ion: 76 Resp: 333219

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methvl Acetate

Concen: 42.429 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

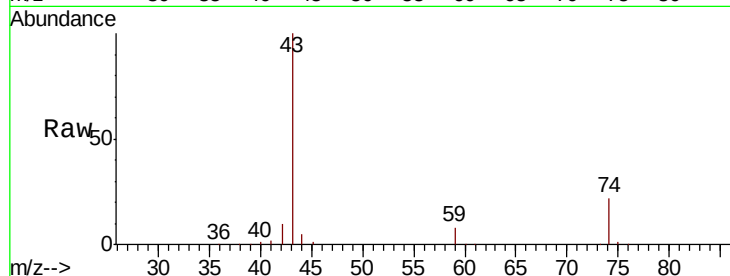
VSTD05087

Tot Ion: 43 Resp: 132762

Ion Ratio Lower Upper

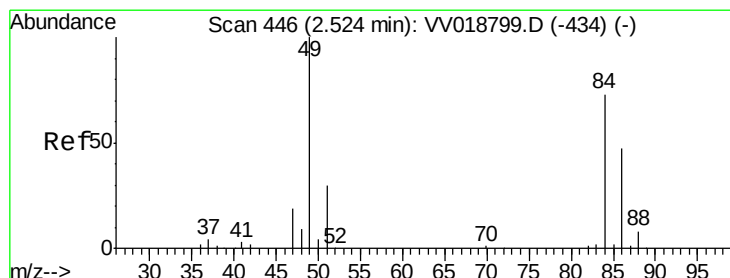
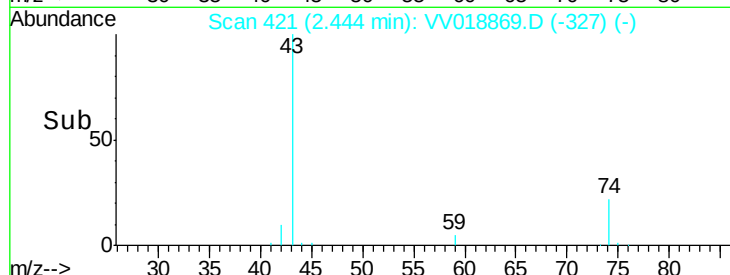
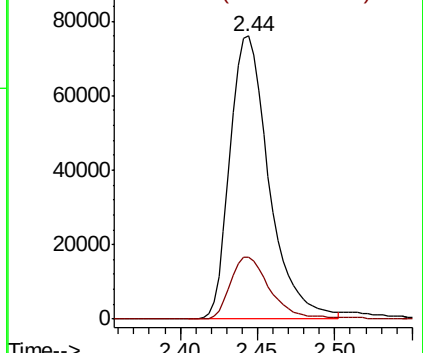
43 100

74 22.1 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 42.464 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

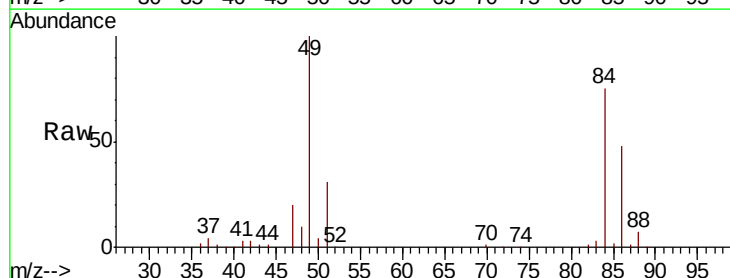
Tgt Ion: 84 Resp: 124620

Ion Ratio Lower Upper

84 100

86 63.5 45.2 84.0

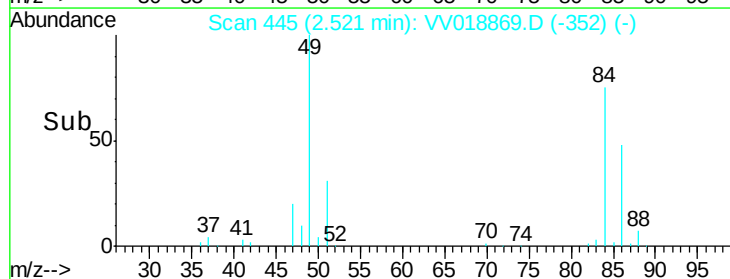
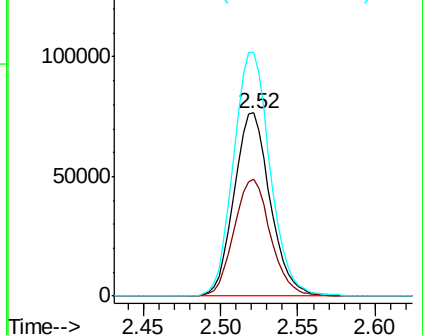
49 133.0 97.9 181.9

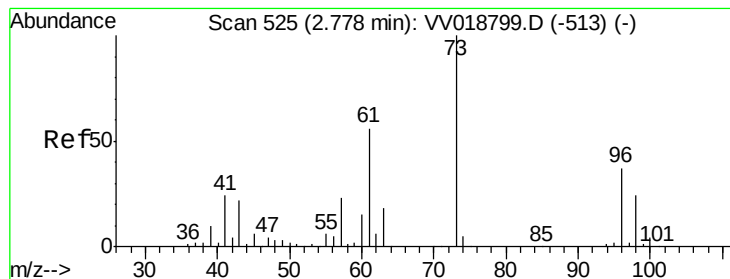


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 46.188 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

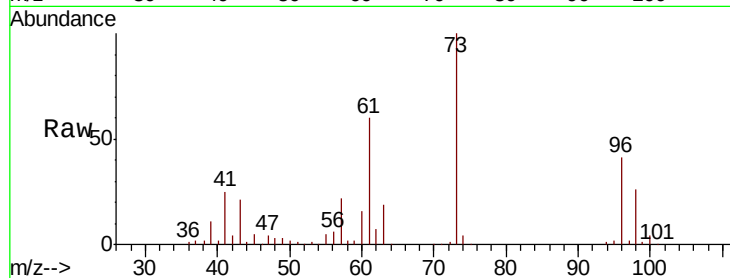
Tot Ion: 96 Resp: 116226

Ion Ratio Lower Upper

96 100

61 146.8 105.7 196.3

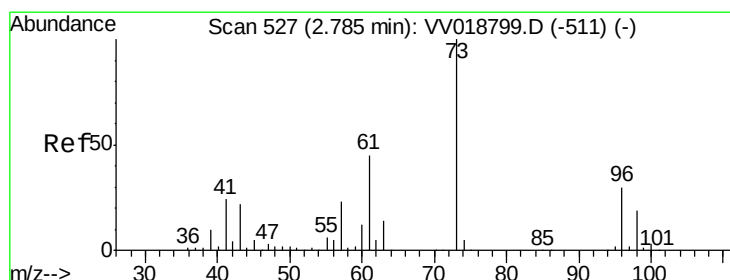
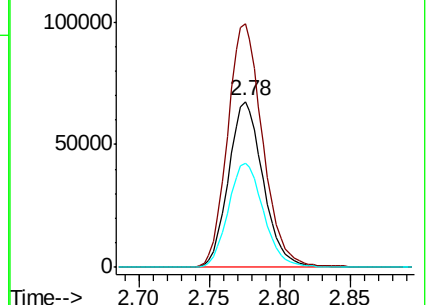
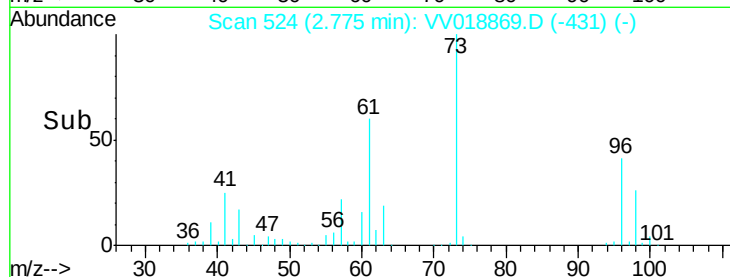
98 62.9 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV018869.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV018869.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV018869.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 43.563 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

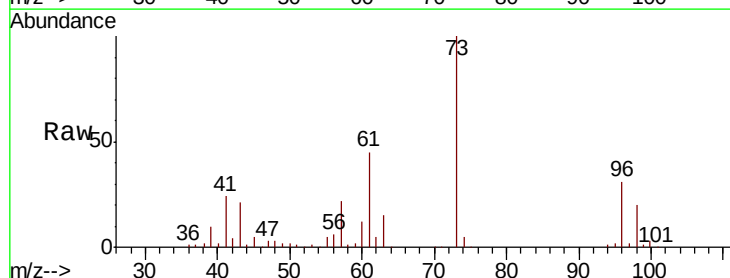
Tgt Ion: 73 Resp: 367584

Ion Ratio Lower Upper

73 100

43 20.9 17.3 25.9

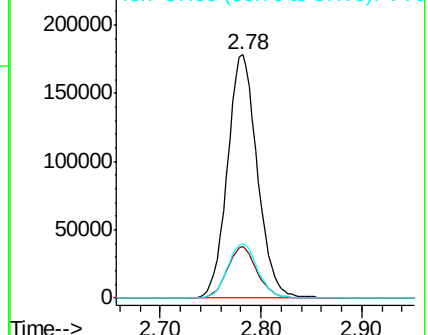
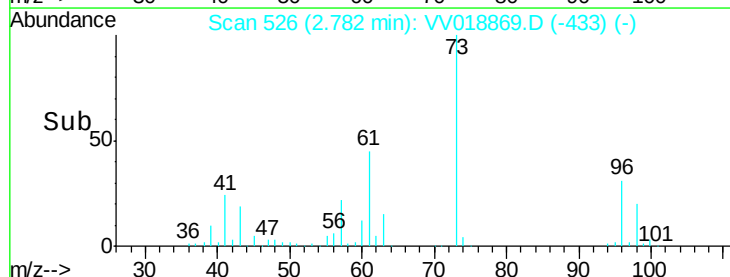
57 22.7 18.5 27.7

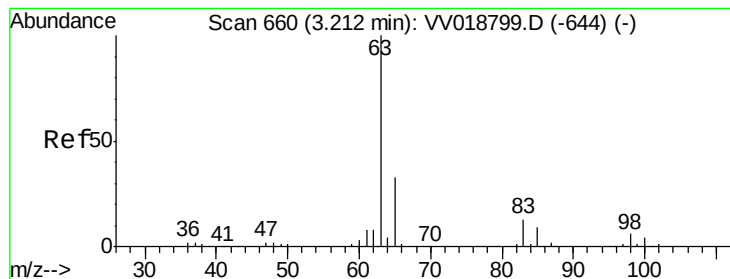


Abundance Ion 73.00 (72.70 to 73.70): VV018869.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV018869.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV018869.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 45.862 ug/L

RT: 3.21 min Scan# 658

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampled :

VSTD05087

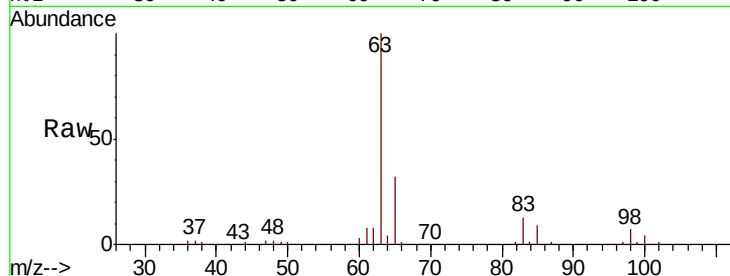
Tot Ion: 63 Resp: 226490

Ion Ratio Lower Upper

63 100

65 31.5 22.0 40.8

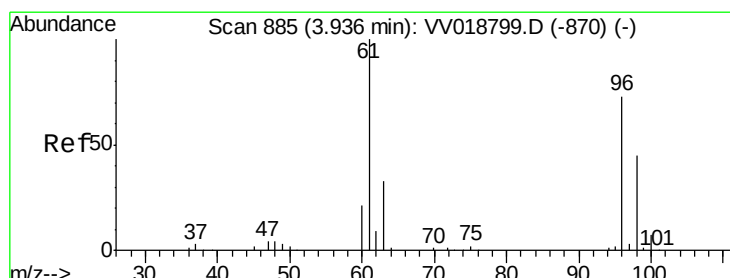
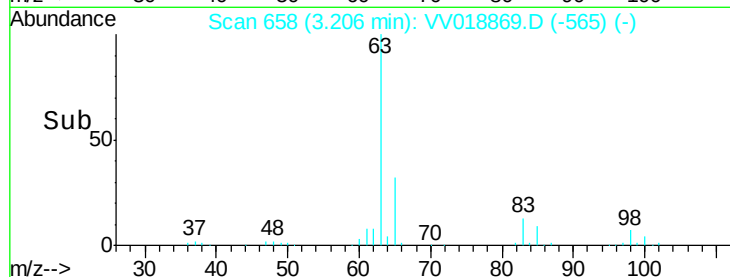
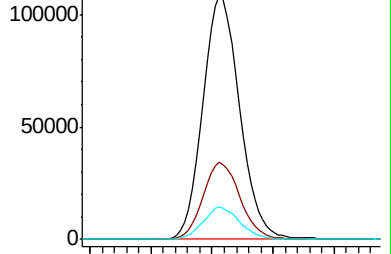
83 13.3 9.2 17.0



Abundance Ion 63.00 (62.70 to 63.70): VV018799.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV018799.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV018799.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.742 ug/L

RT: 3.93 min Scan# 884

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

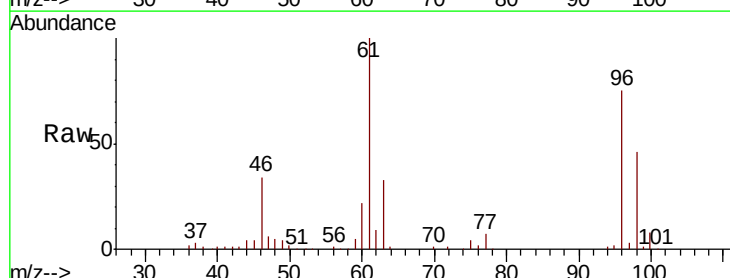
Tgt Ion: 96 Resp: 124307

Ion Ratio Lower Upper

96 100

61 134.2 97.3 180.7

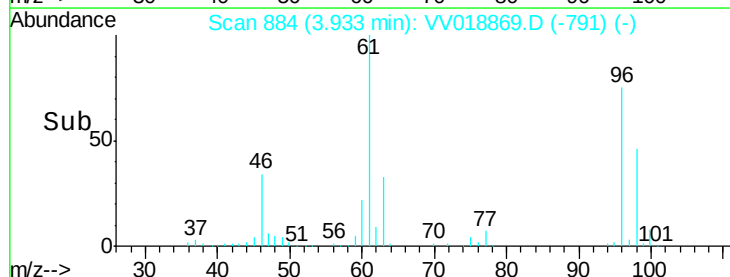
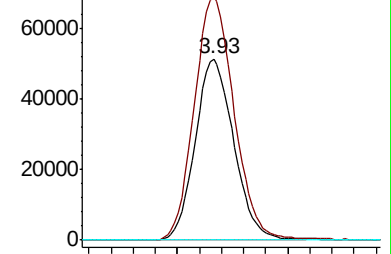
68 0.0 0.0 0.0

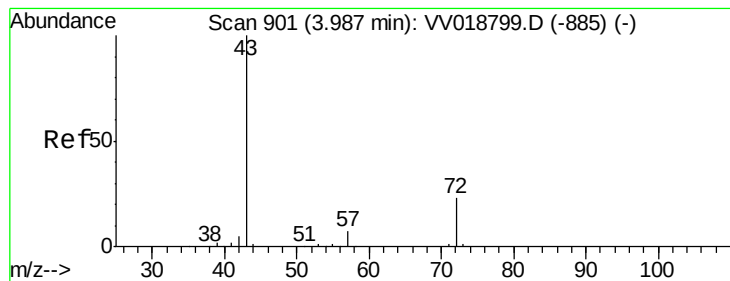


Abundance Ion 96.00 (95.70 to 96.70): VV018799.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV018799.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV018799.D (-870) (-)





#22

2-Butanone

Concen: 113.600 ug/L

RT: 3.98 min Scan# 900

Delta R.T. 0.01 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

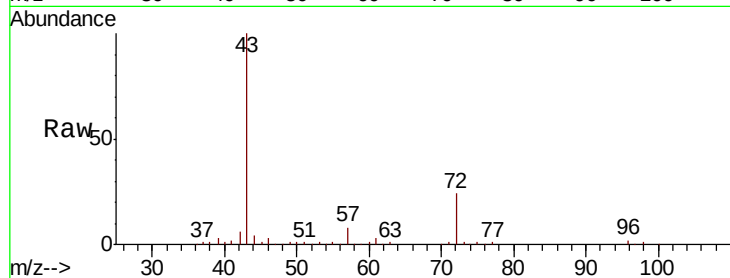
VSTD05087

Tot Ion: 43 Resp: 213203

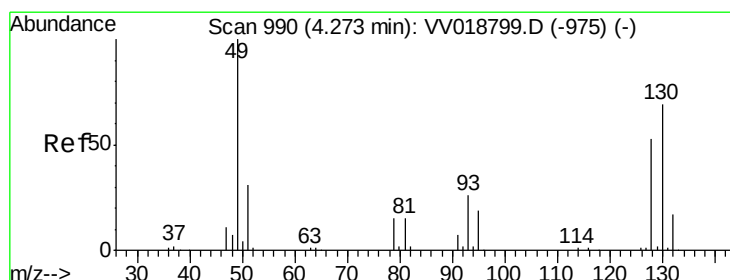
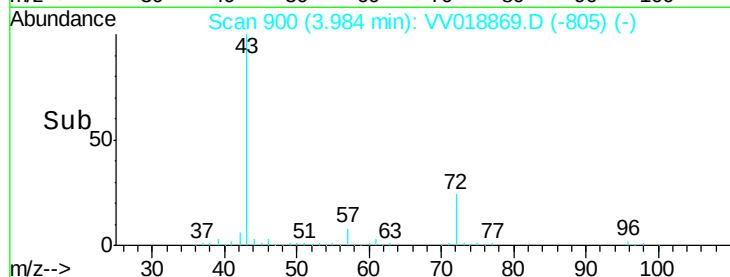
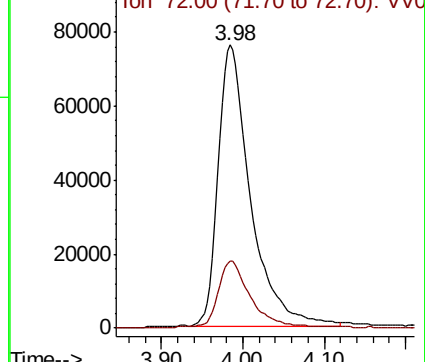
Ion Ratio Lower Upper

43 100

72 22.6 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018799.D (-885) (-)



#23

Bromochloromethane

Concen: 47.034 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Tgt Ion: 128 Resp: 64850

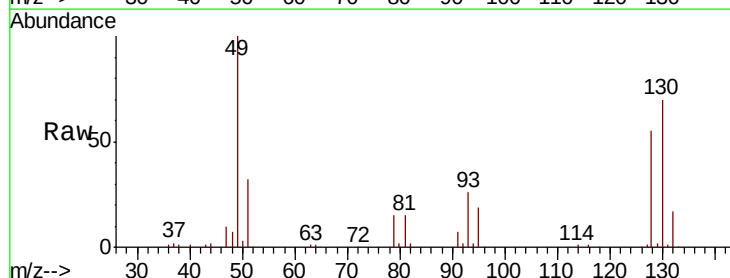
Ion Ratio Lower Upper

128 100

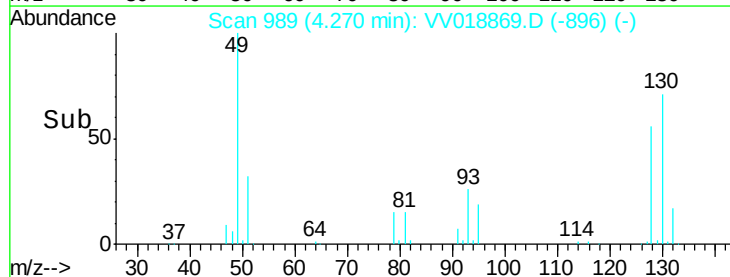
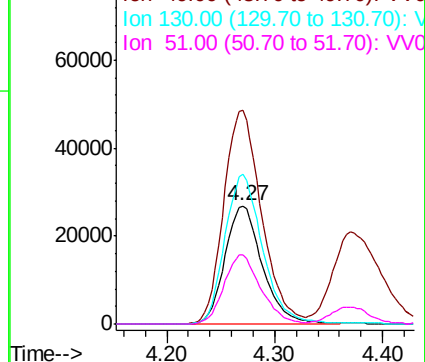
49 180.6 129.7 240.9

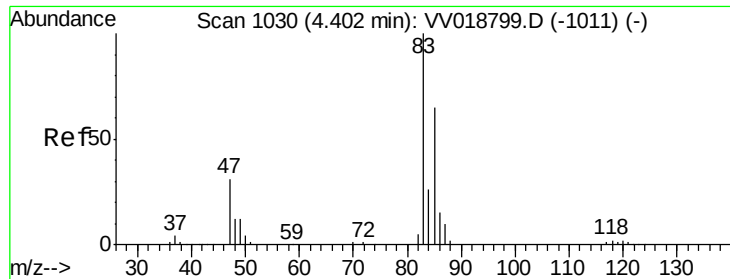
130 126.3 86.7 161.1

51 58.3 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV018799.D (-975) (-)

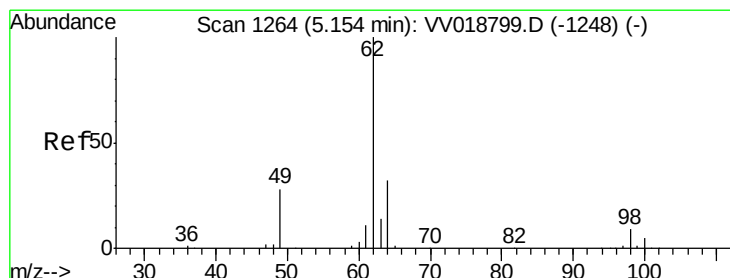
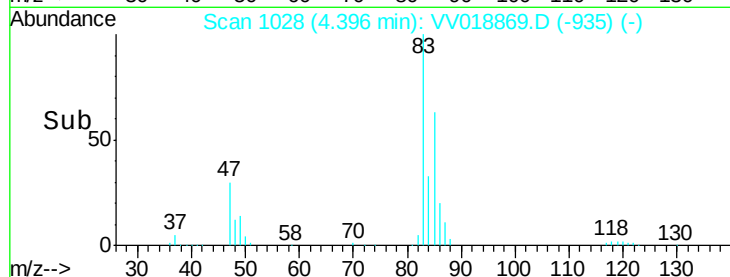
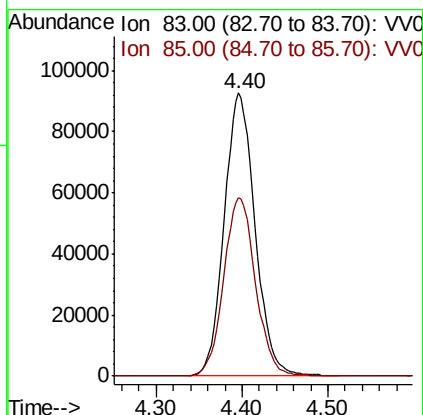
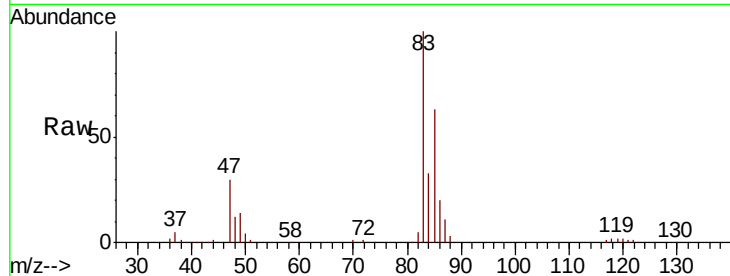




#25
Chloroform
Concen: 45.547 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VV018869.D
Acq: 13 Oct 2020 10:14

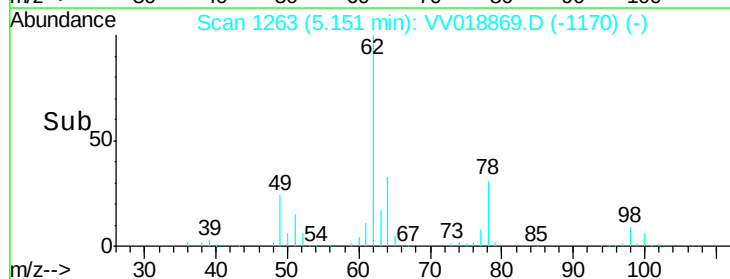
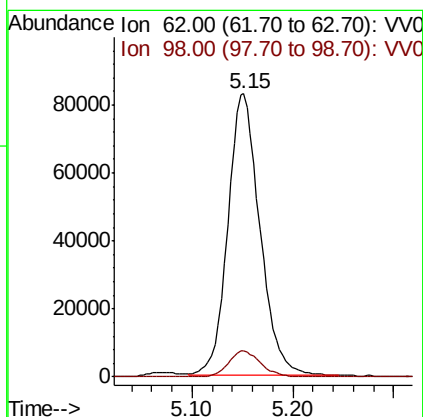
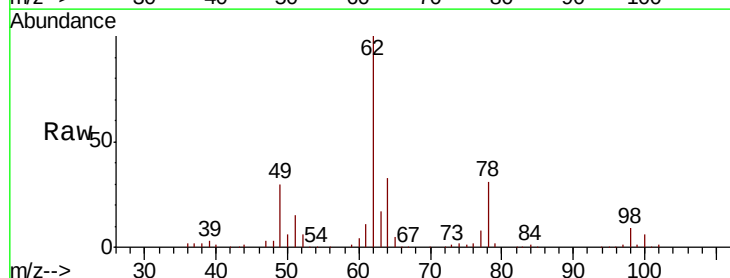
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

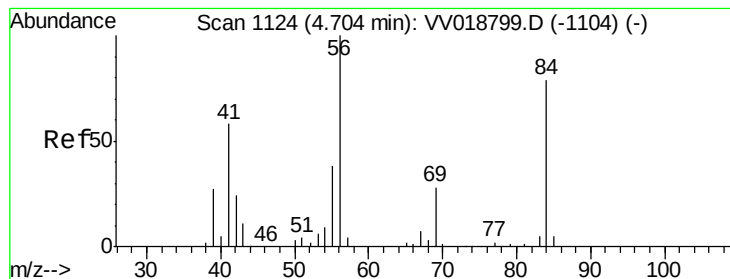
Tot Ion: 83 Resp: 230851
Ion Ratio Lower Upper
83 100
85 62.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 44.471 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018869.D
Acq: 13 Oct 2020 10:14

Tgt Ion: 62 Resp: 183375
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0





#29

Cyclohexane

Concen: 48.992 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

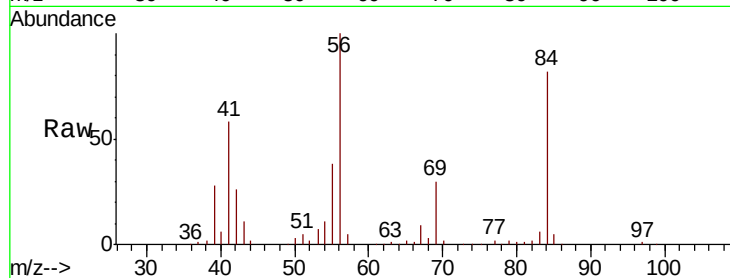
Tot Ion: 56 Resp: 199754

Ion Ratio Lower Upper

56 100

69 29.3 23.1 34.7

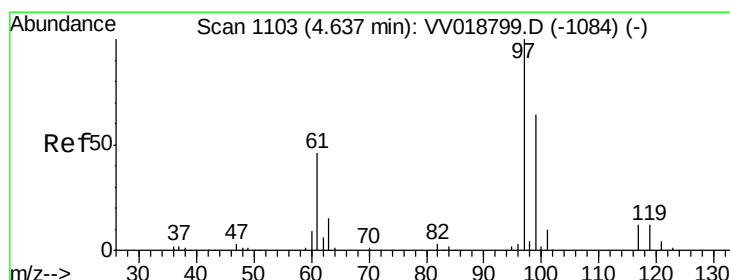
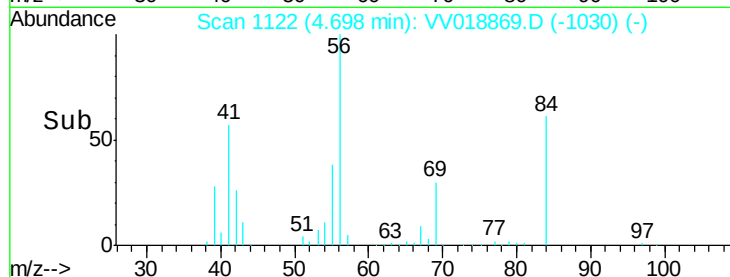
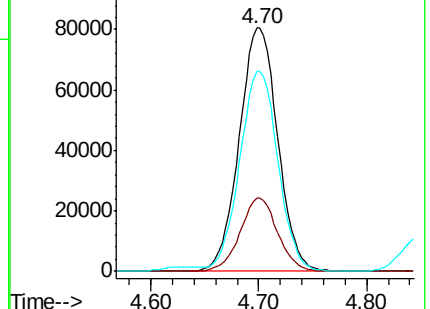
84 81.5 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VV018799.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018799.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018799.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 44.452 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

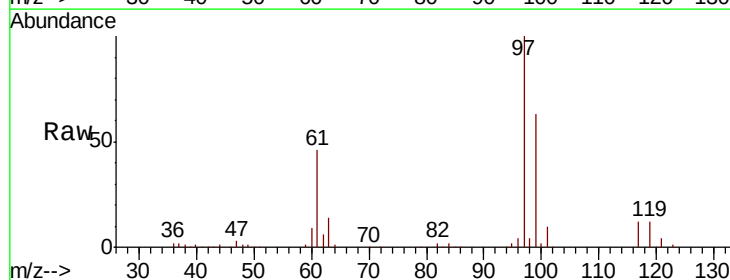
Tgt Ion: 97 Resp: 199469

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

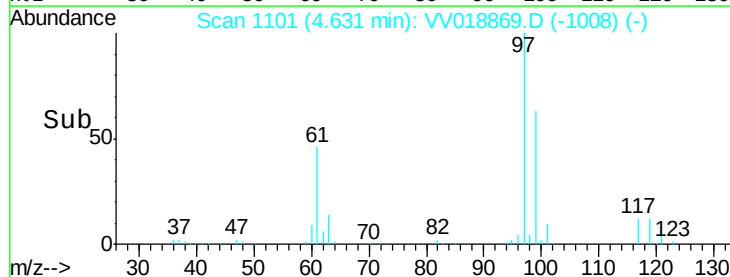
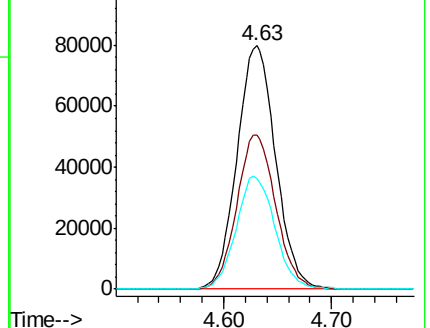
61 46.4 37.0 55.4

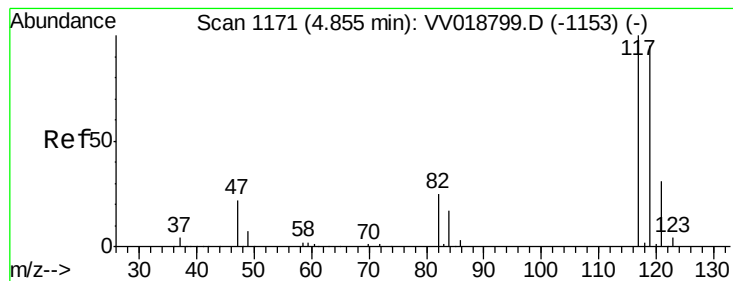


Abundance Ion 97.00 (96.70 to 97.70): VV018799.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018799.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018799.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 46.094 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

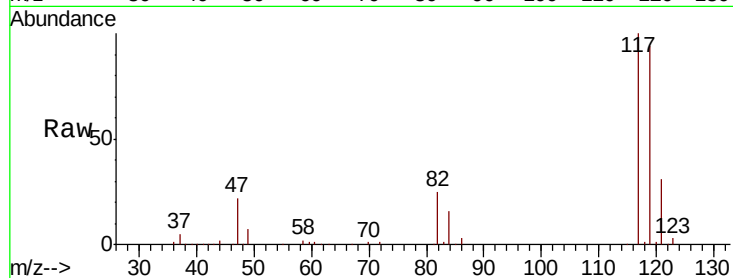
VSTD05087

Tot Ion:117 Resp: 174328

Ion Ratio Lower Upper

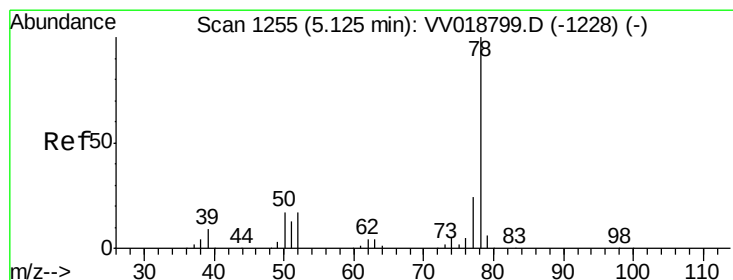
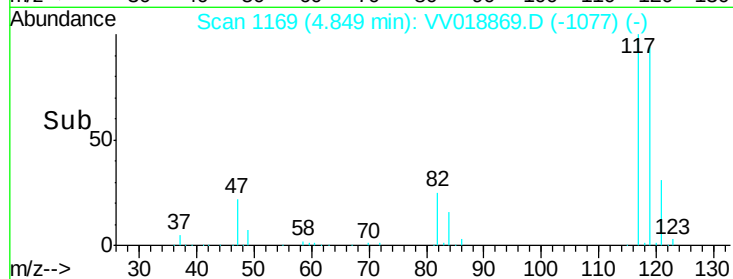
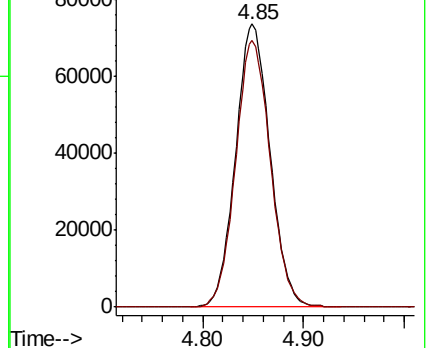
117 100

119 95.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.236 ug/L

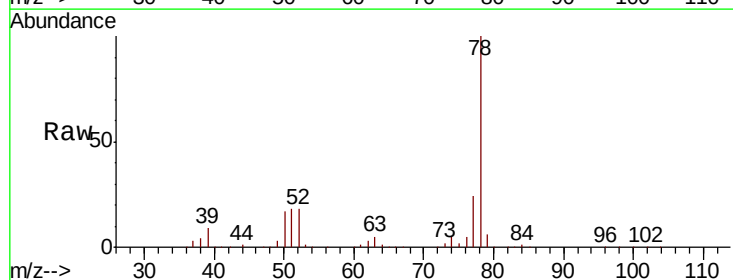
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

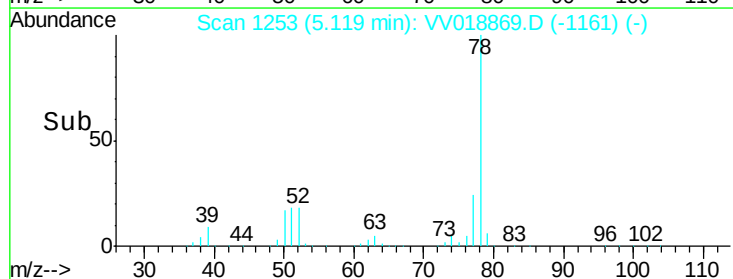
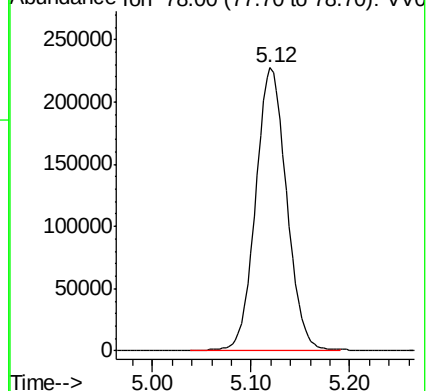
Lab File: VV018869.D

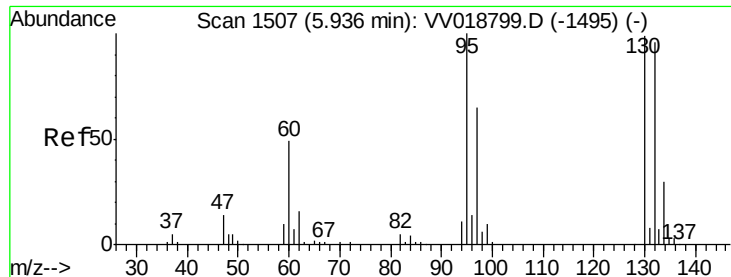
Acq: 13 Oct 2020 10:14

Tgt Ion: 78 Resp: 493866



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.983 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

Tot Ion: 95 Resp: 138286

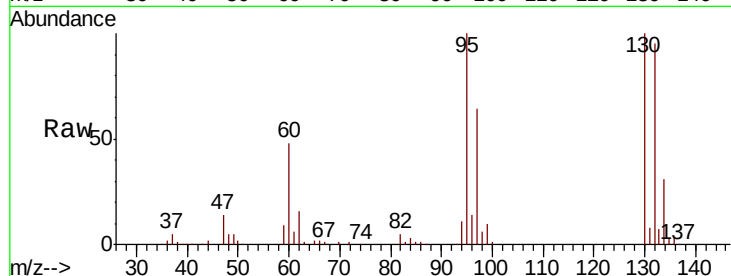
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 94.9 66.2 123.0

130 100.1 69.1 128.3

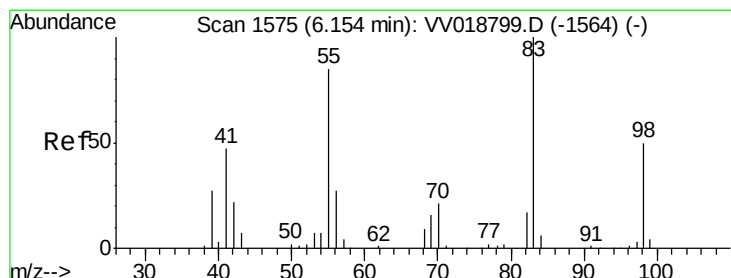
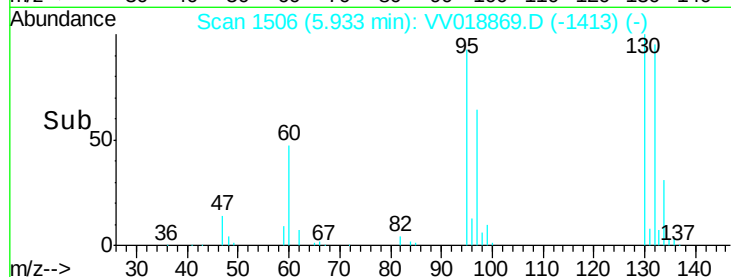
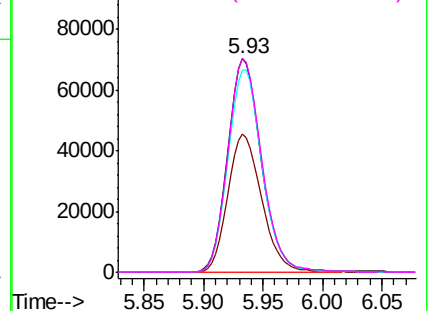


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.327 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

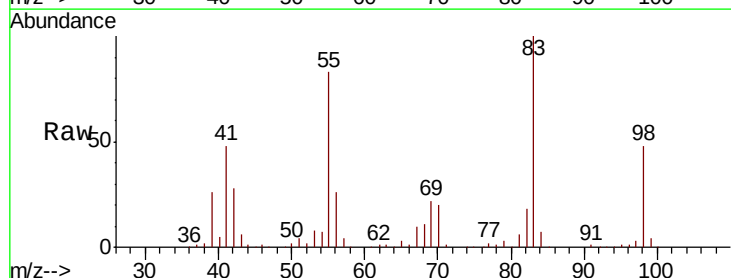
Tgt Ion: 83 Resp: 181787

Ion Ratio Lower Upper

83 100

55 81.7 67.0 100.4

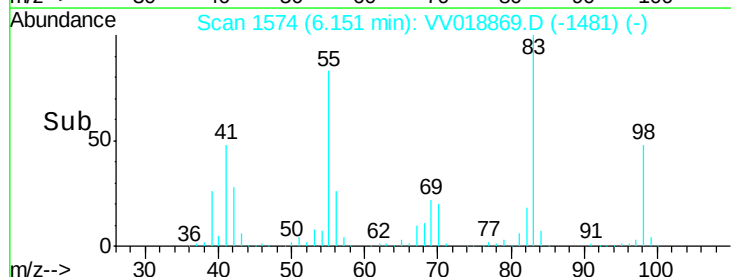
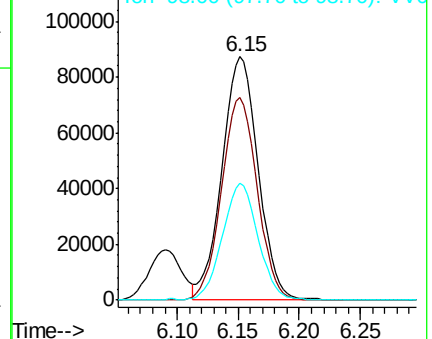
98 46.9 38.8 58.2

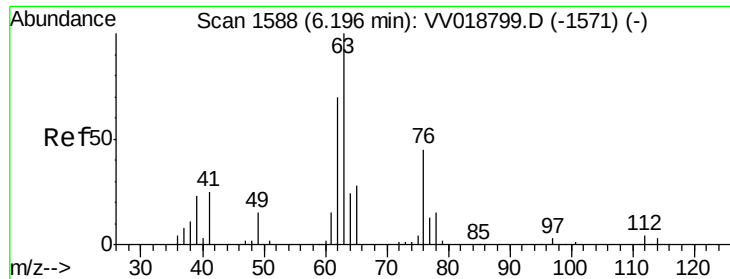


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

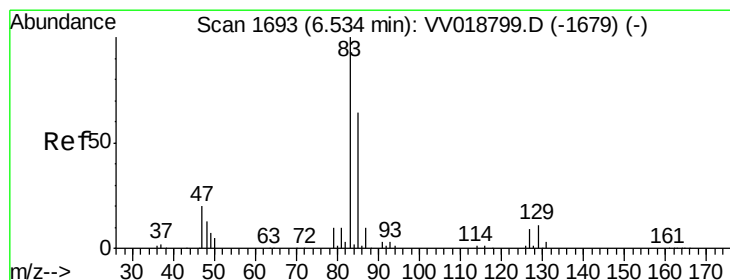
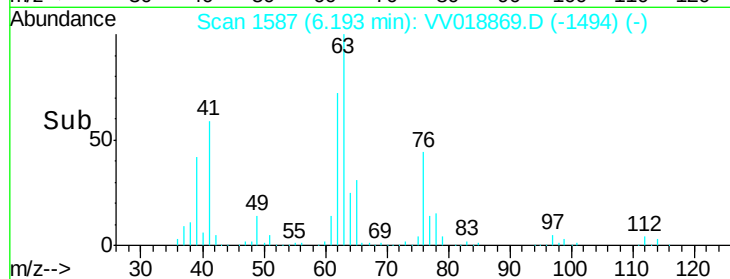
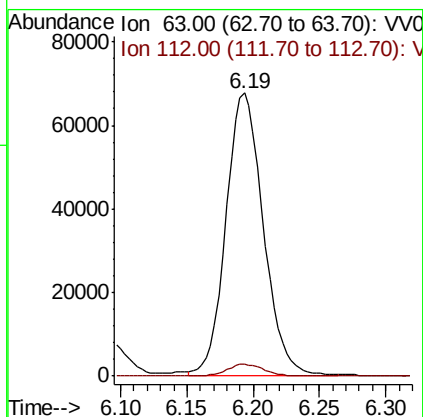
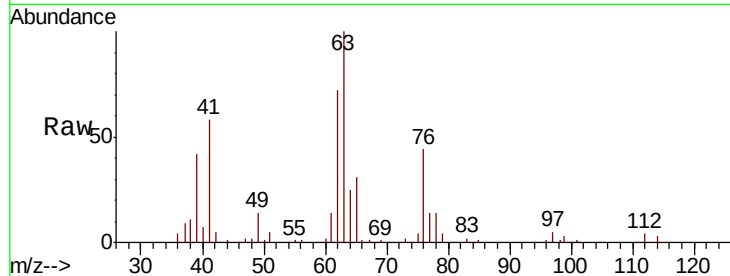




#37
 1,2-Dichloropropane
 Concen: 45.117 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

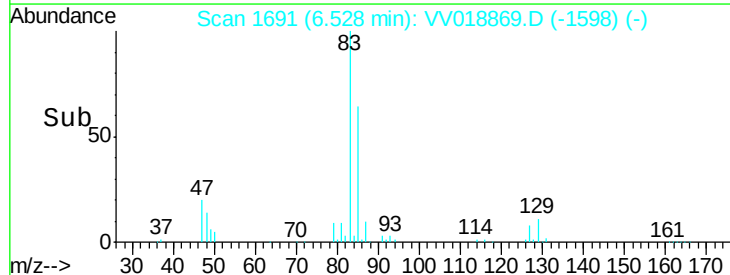
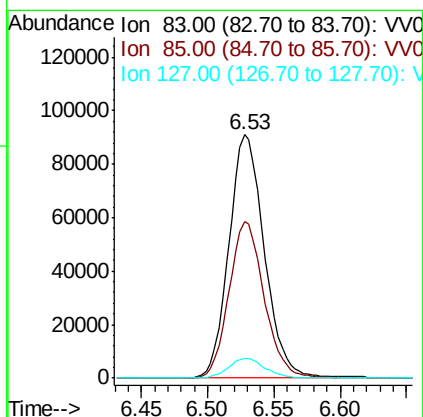
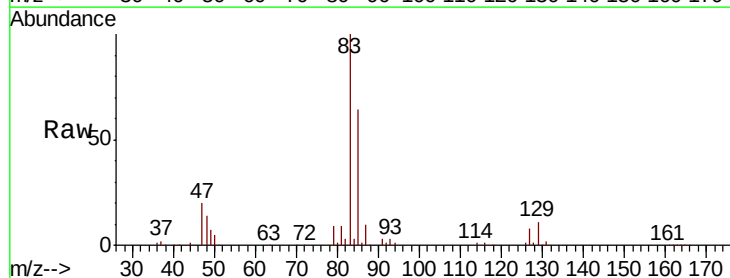
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

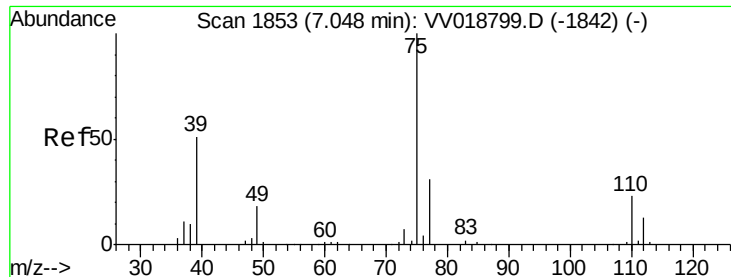
Tot Ion: 63 Resp: 132375
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 45.301 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

Tgt Ion: 83 Resp: 168803
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.1 83.7
 127 8.1 6.6 10.0

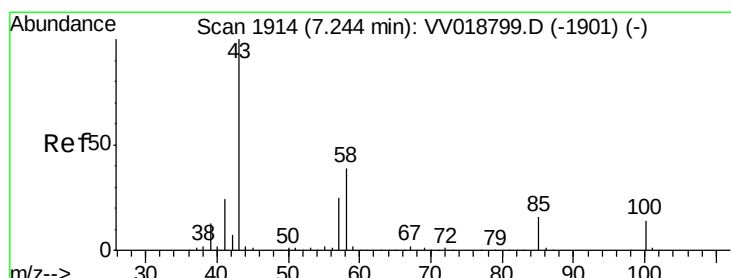
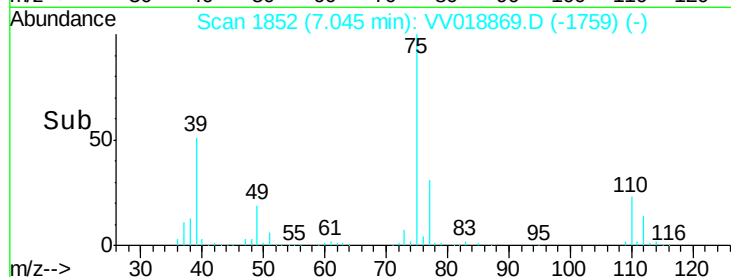
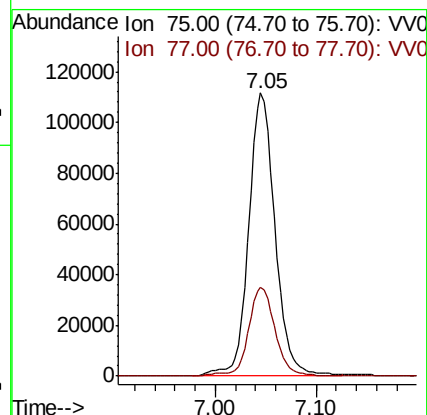
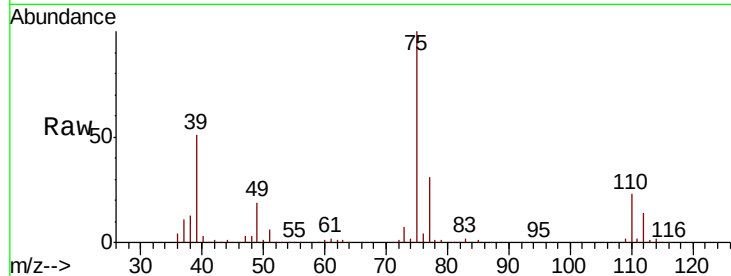




#39
 cis-1,3-Dichloropropene
 Concen: 48.608 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

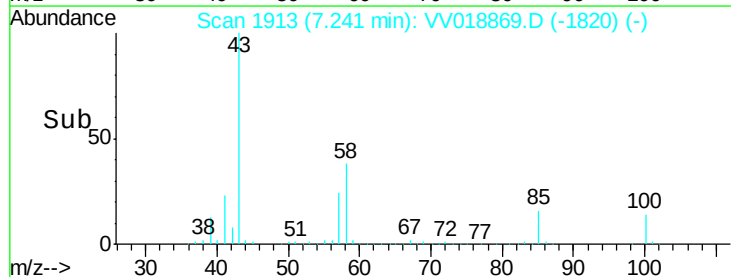
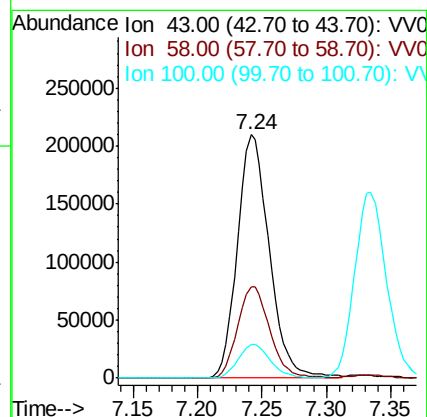
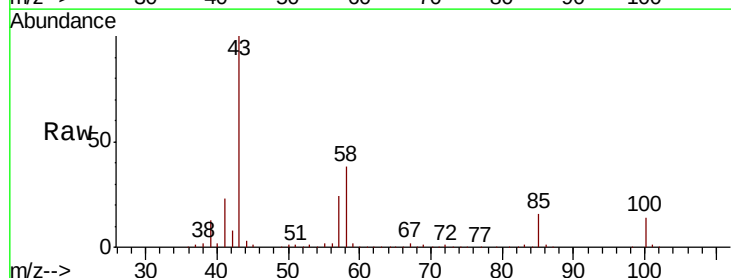
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

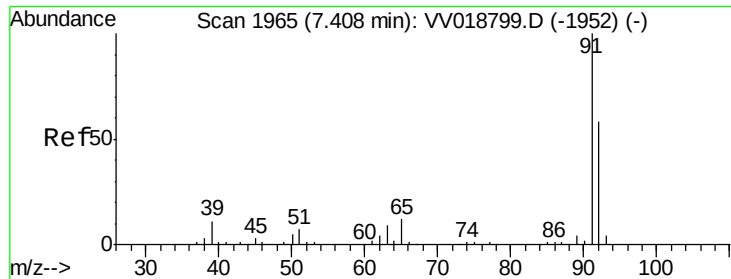
Tot Ion: 75 Resp: 201480
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 94.680 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

Tgt Ion: 43 Resp: 361011
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.4
 100 13.9 11.4 17.2





#42

Toluene

Concen: 48.083 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

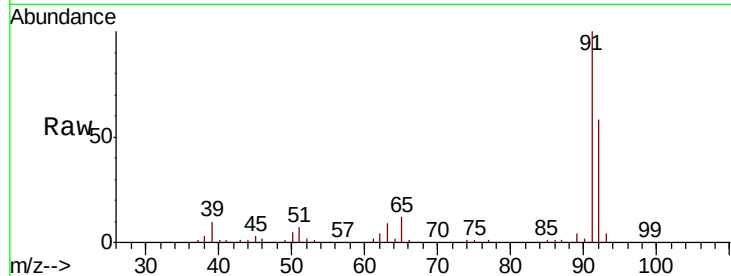
VSTD05087

Tot Ion: 91 Resp: 527531

Ion Ratio Lower Upper

91 100

92 58.1 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

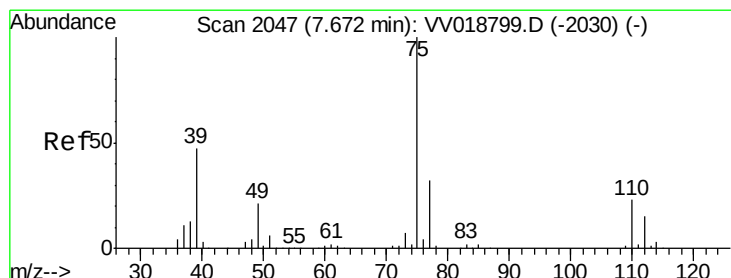
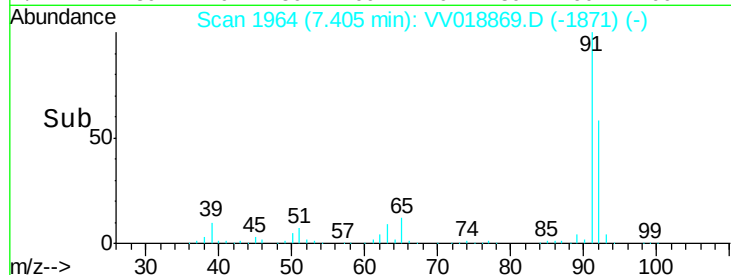
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.795 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018869.D

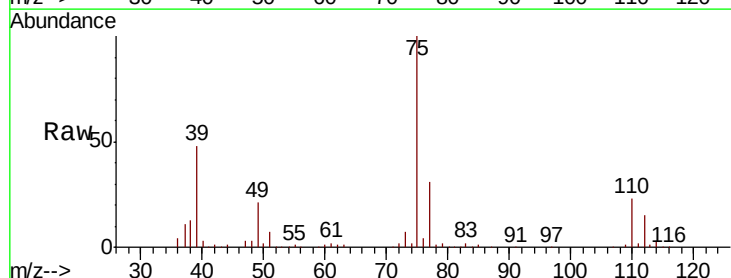
Acq: 13 Oct 2020 10:14

Tgt Ion: 75 Resp: 198764

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

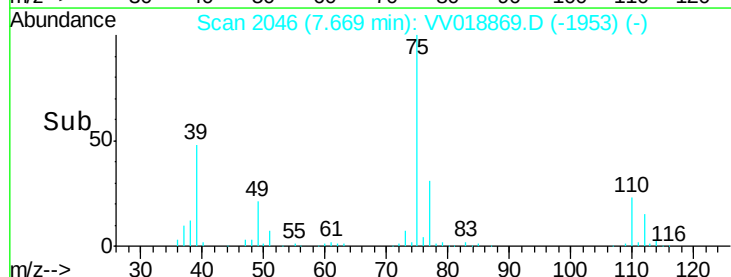
7.67

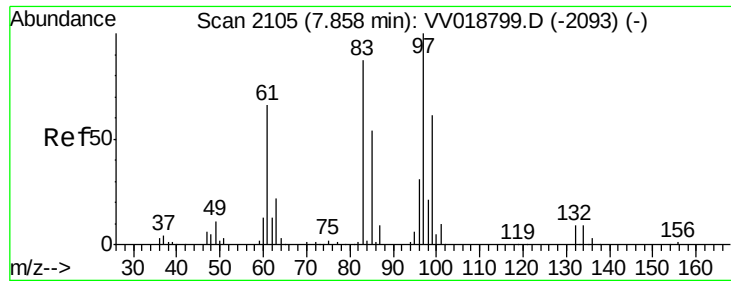
100000

50000

0

Time-->

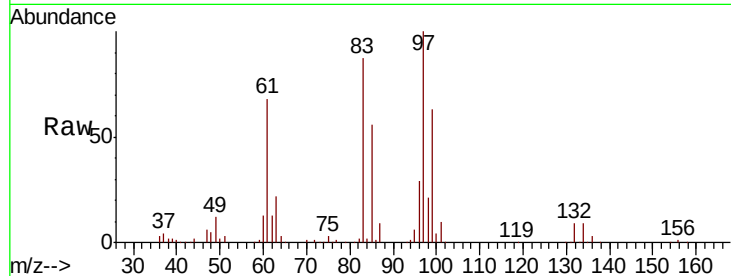




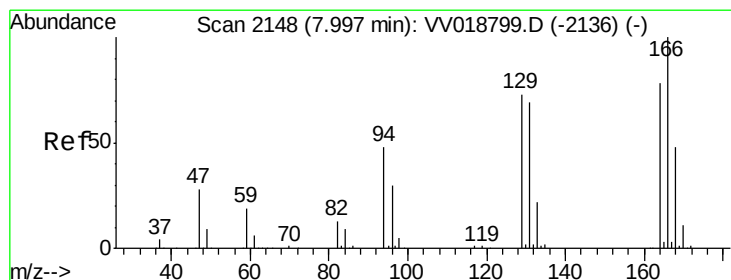
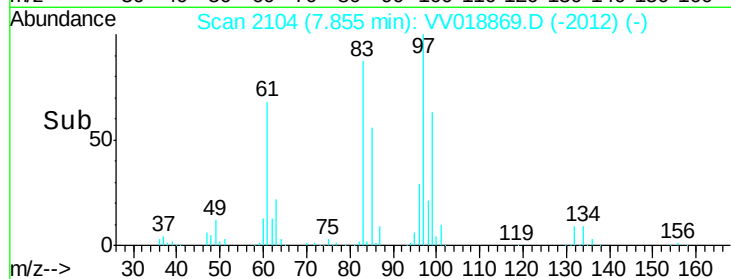
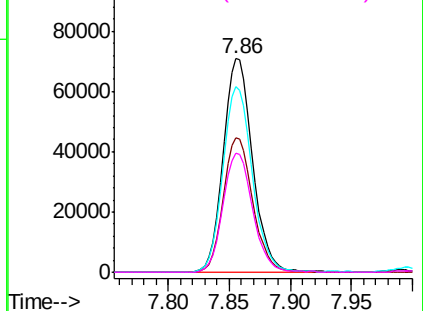
#45
 1,1,2-Trichloroethane
 Concen: 45.541 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05087

Tot Ion:	97	Resp:	120010
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.4	80.6
83	86.8	58.7	108.9
85	55.7	39.4	73.2

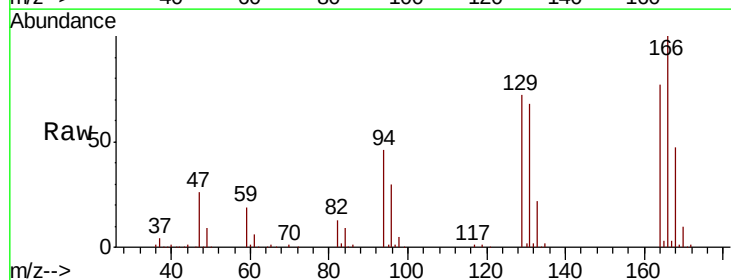


Abundance Ion 97.00 (96.70 to 97.70): VV018799.D (-2093) (-)

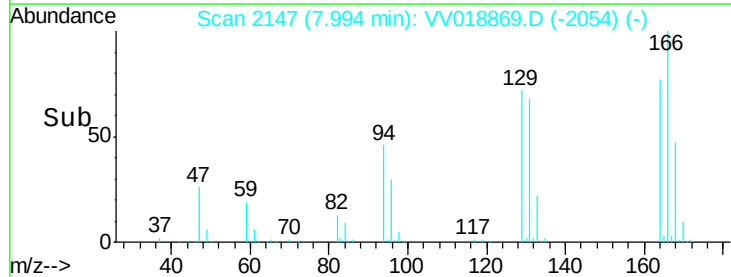
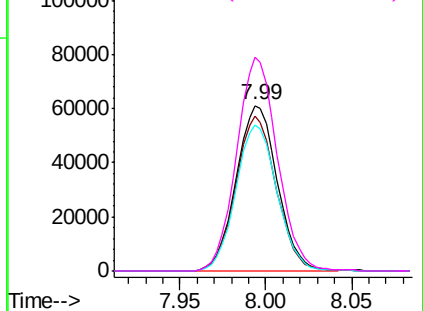


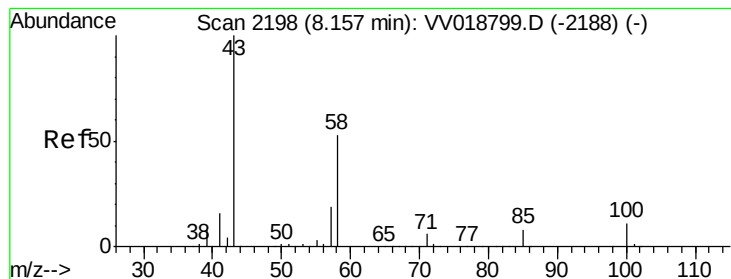
#46
 Tetrachloroethene
 Concen: 45.135 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

Tgt Ion:	164	Resp:	101690
Ion	Ratio	Lower	Upper
164	100		
129	93.6	64.6	120.0
131	88.2	63.6	118.0
166	129.3	88.3	164.1



Abundance Ion 164.00 (163.70 to 164.70): VV018799.D (-2136) (-)





#48

2-Hexanone

Concen: 101.231 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

Tot Ion: 43 Resp: 304707

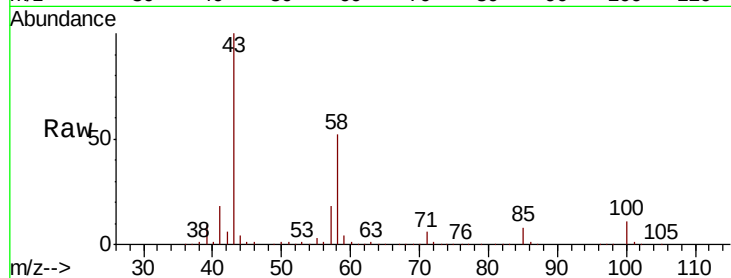
Ion Ratio Lower Upper

43 100

58 53.1 41.8 62.8

57 18.1 14.9 22.3

100 11.0 9.2 13.8

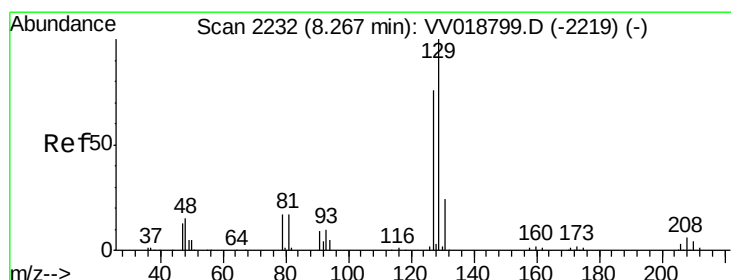
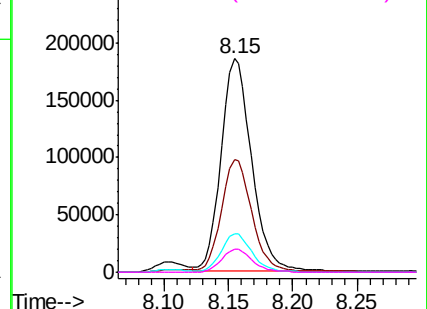
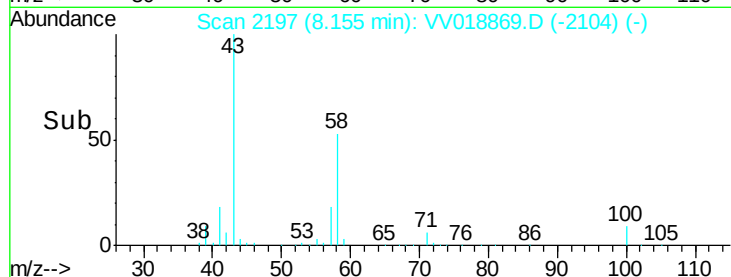


Abundance Ion 43.00 (42.70 to 43.70): VV018799.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV018799.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV018799.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV018799.D (-2188) (-)



#49

Dibromochloromethane

Concen: 45.668 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VV018869.D

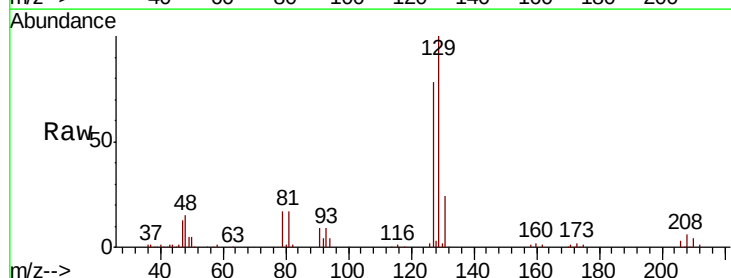
Acq: 13 Oct 2020 10:14

Tgt Ion: 129 Resp: 131536

Ion Ratio Lower Upper

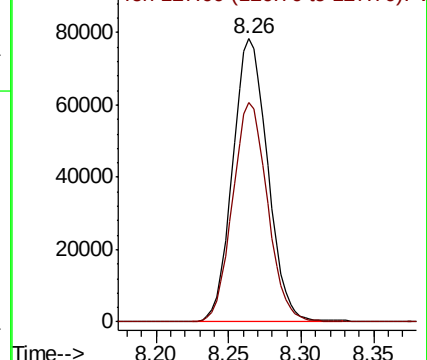
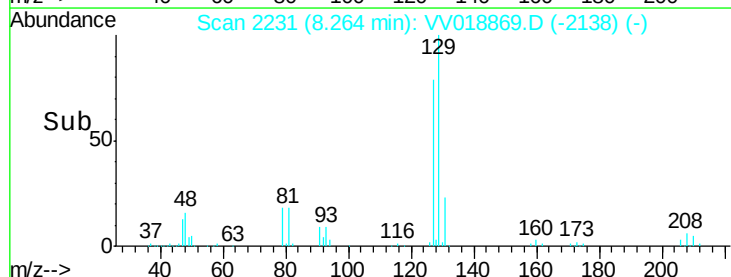
129 100

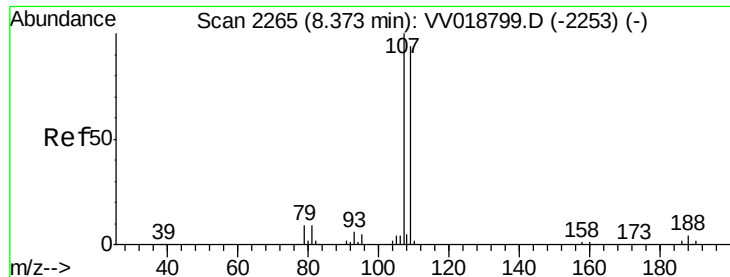
127 77.6 55.3 102.7



Abundance Ion 129.00 (128.70 to 129.70): VV018799.D (-2219) (-)

Ion 127.00 (126.70 to 127.70): VV018799.D (-2219) (-)

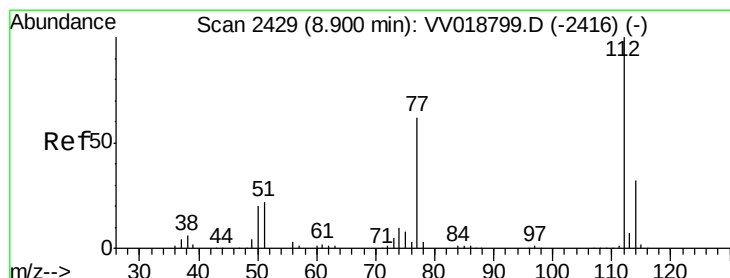
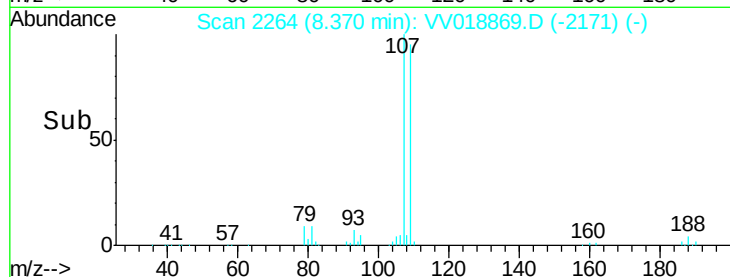
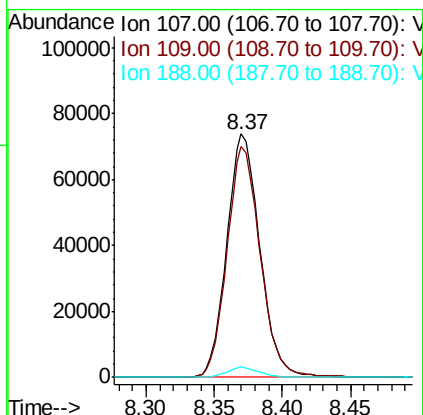
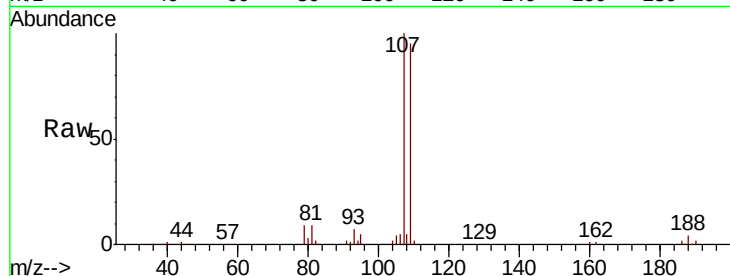




#50
1,2-Dibromoethane
Concen: 46.237 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV018869.D
Acq: 13 Oct 2020 10:14

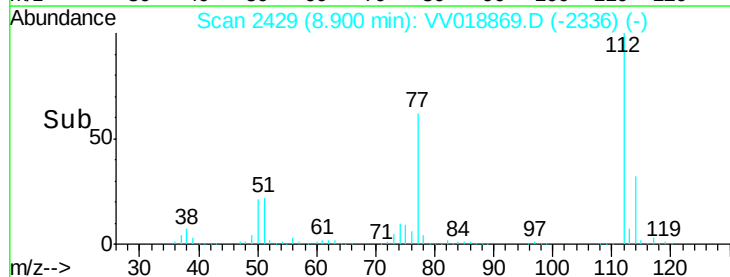
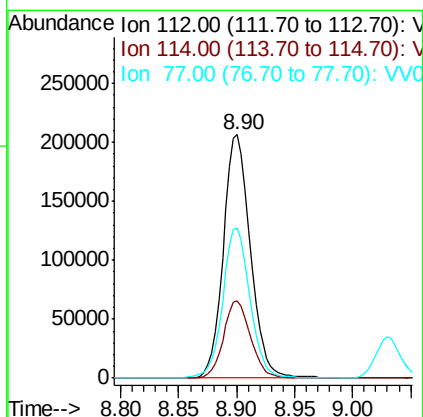
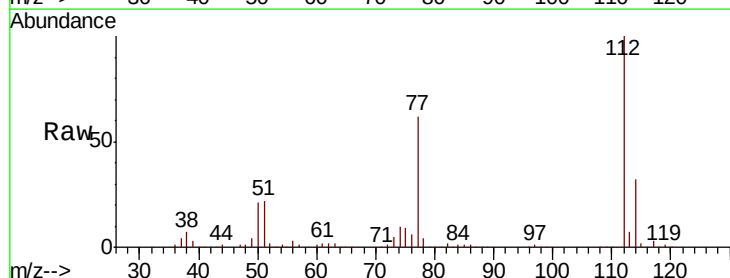
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

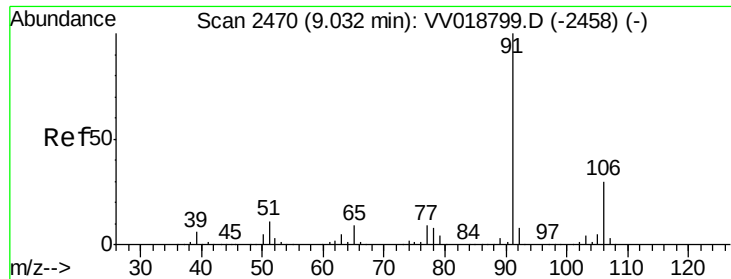
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	66.4	123.2
188	4.1	3.1	4.7



#51
Chlorobenzene
Concen: 45.962 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018869.D
Acq: 13 Oct 2020 10:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.0	41.0
77	61.9	49.8	74.6





#52

Ethylbenzene

Concen: 46.208 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

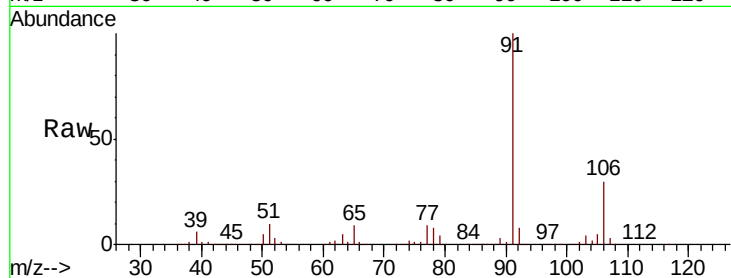
VSTD05087

Tot Ion: 91 Resp: 575699

Ion Ratio Lower Upper

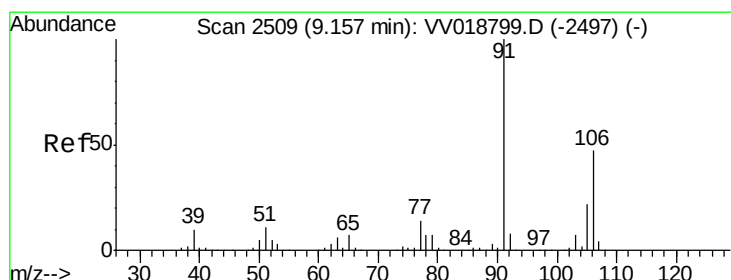
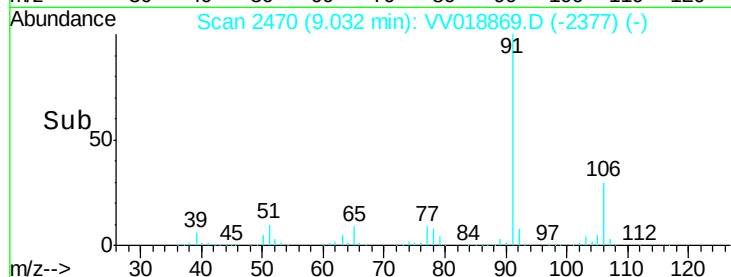
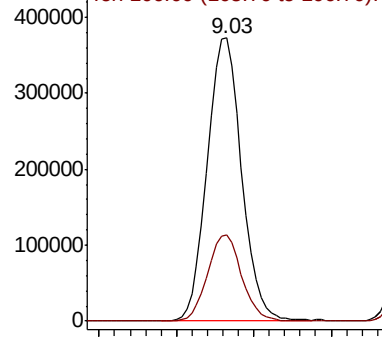
91 100

106 30.3 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 47.741 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018869.D

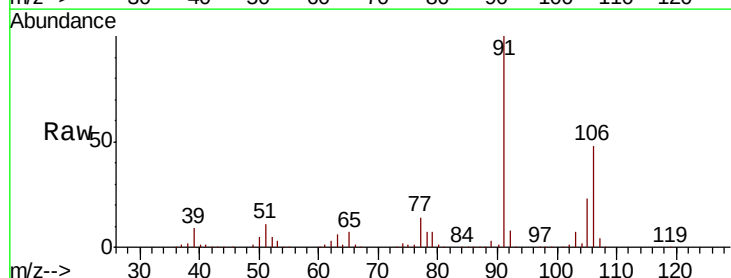
Acq: 13 Oct 2020 10:14

Tgt Ion: 106 Resp: 218332

Ion Ratio Lower Upper

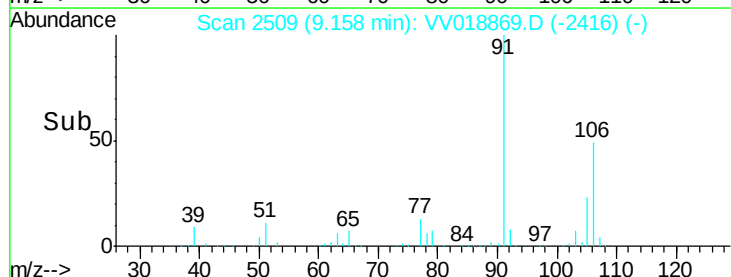
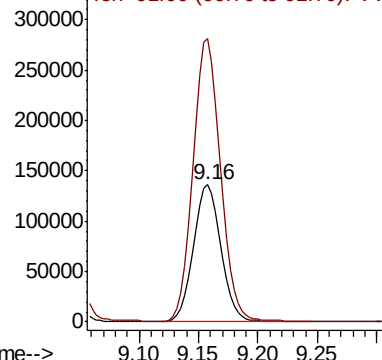
106 100

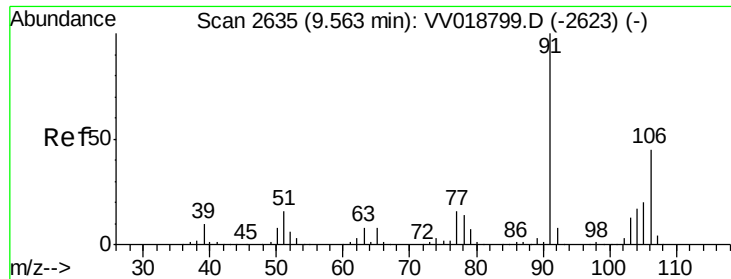
91 206.3 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 47.865 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

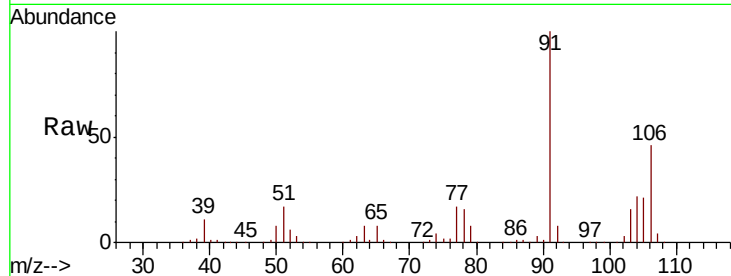
VSTD05087

Tot Ion:106 Resp: 207906

Ion Ratio Lower Upper

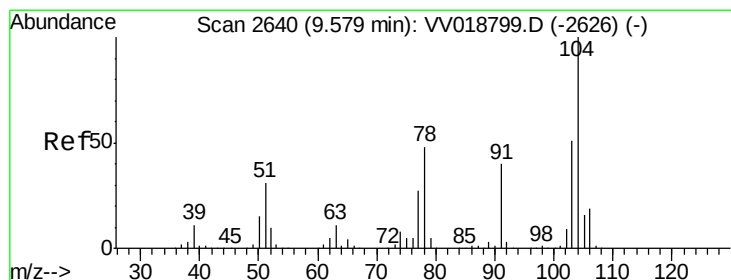
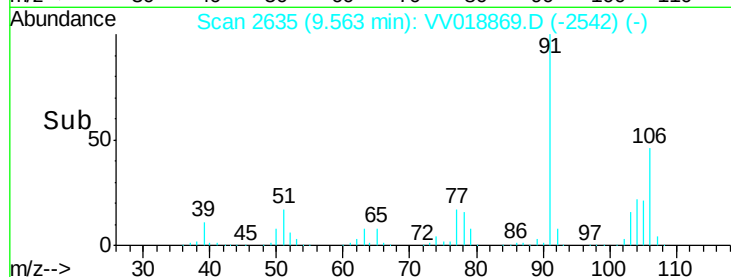
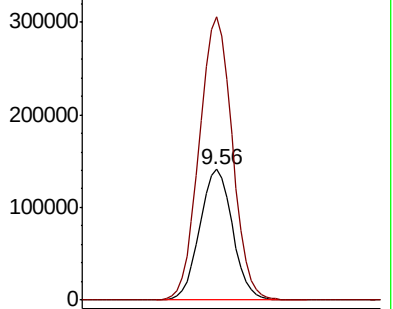
106 100

91 217.0 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.422 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018869.D

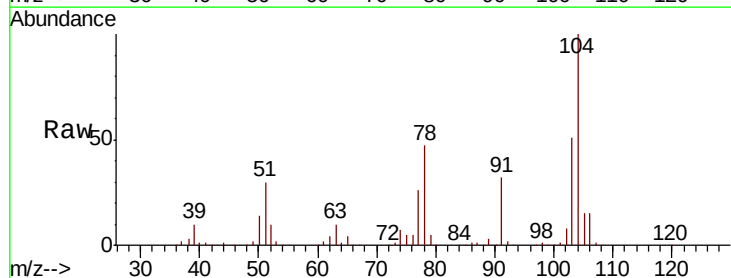
Acq: 13 Oct 2020 10:14

Tgt Ion:104 Resp: 372268

Ion Ratio Lower Upper

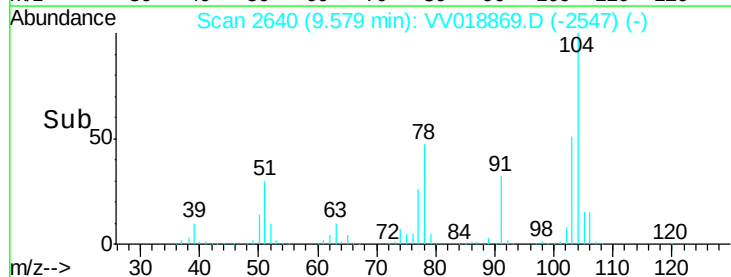
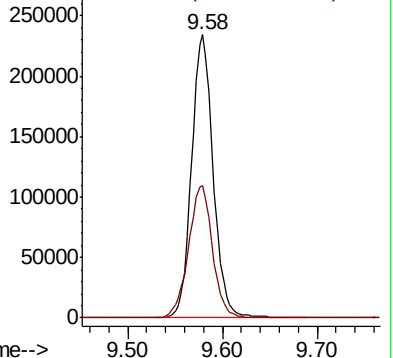
104 100

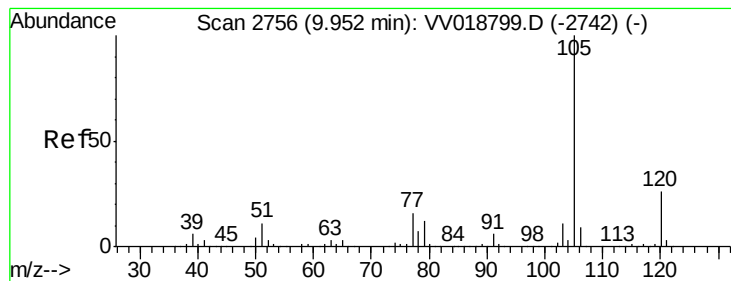
78 46.7 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 46.054 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

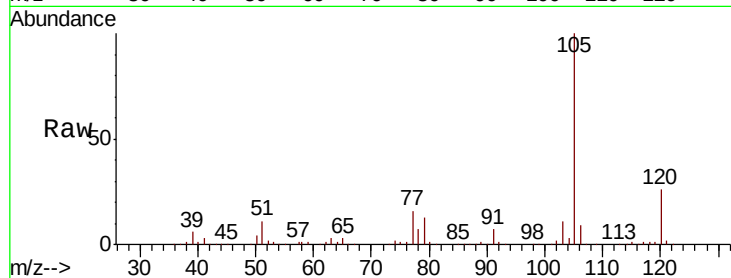
Tot Ion:105 Resp: 553490

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

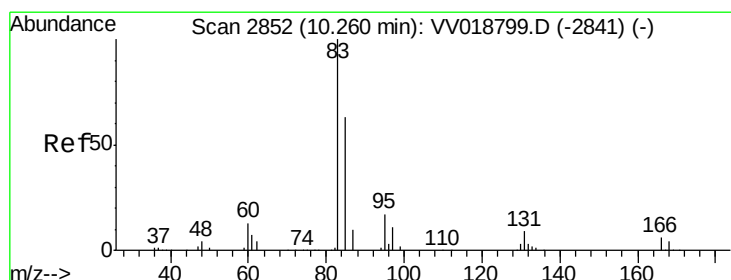
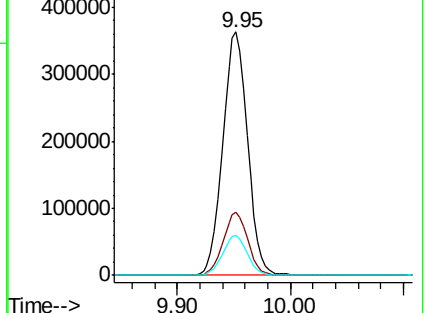
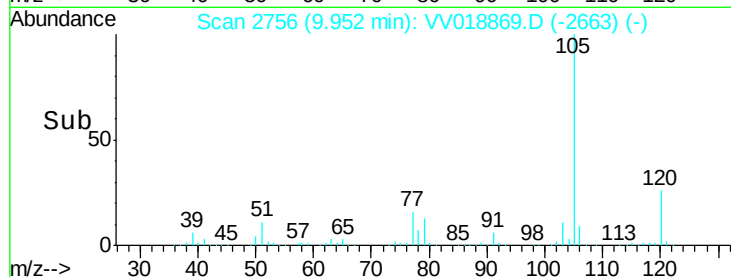
77 16.3 13.0 19.6



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: 44.752 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

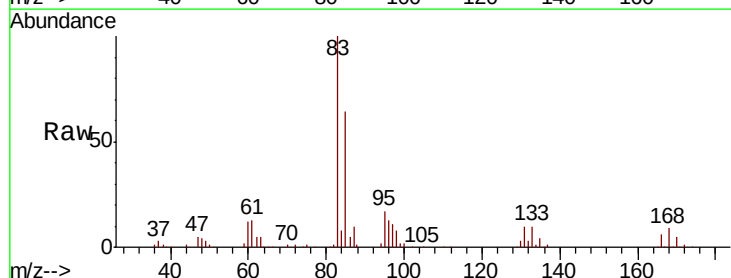
Tgt Ion: 83 Resp: 164502

Ion Ratio Lower Upper

83 100

85 64.2 44.5 82.7

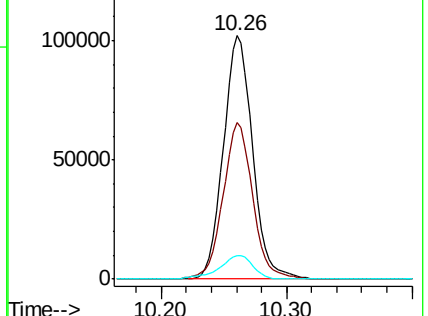
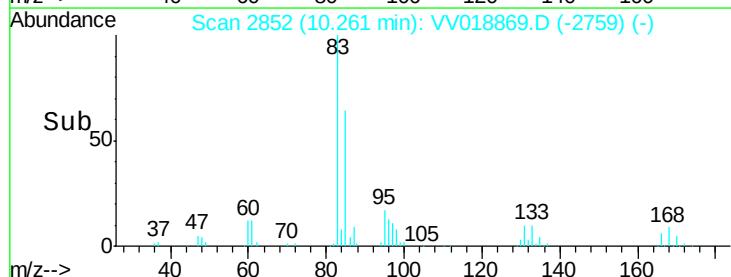
131 9.8 8.0 12.0

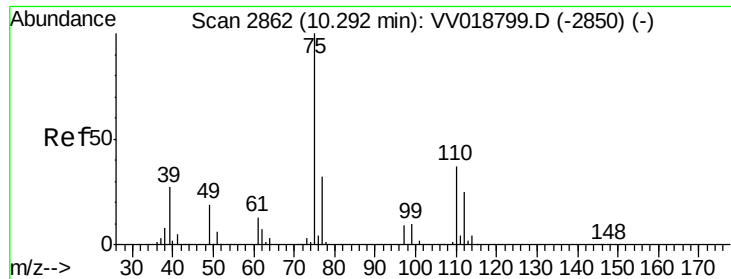


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.751 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

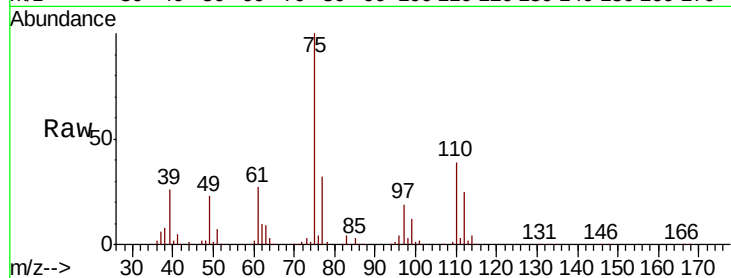
VSTD05087

Tot Ion: 75 Resp: 156237

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV018799.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018799.D (-2850) (-)

10.29

80000

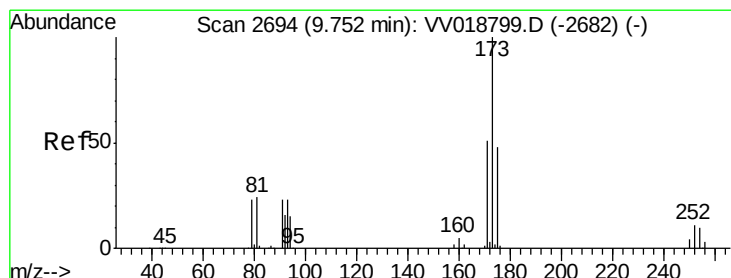
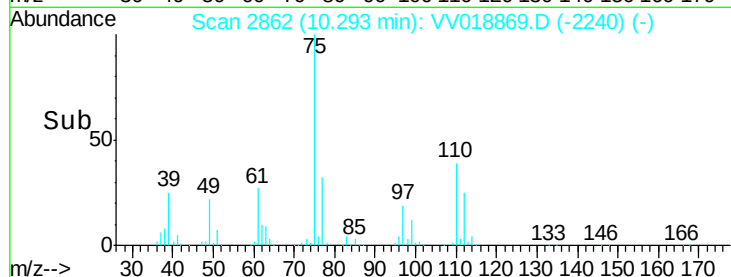
60000

40000

20000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 45.810 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

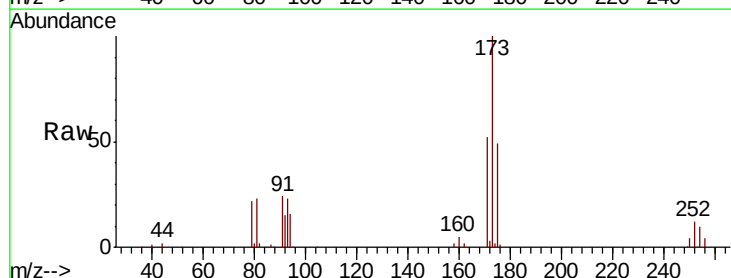
Tgt Ion: 173 Resp: 92777

Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

254 10.3 8.2 12.4



Abundance Ion 173.00 (172.70 to 173.70): VV018799.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018799.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018799.D (-2682) (-)

9.75

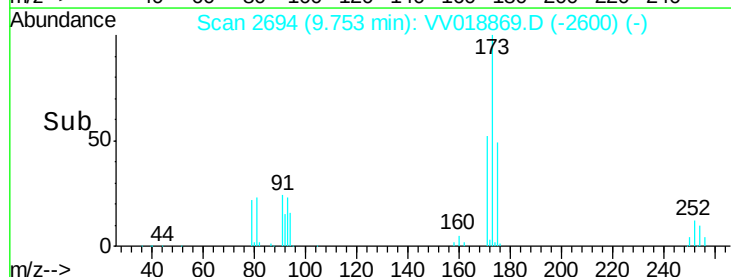
60000

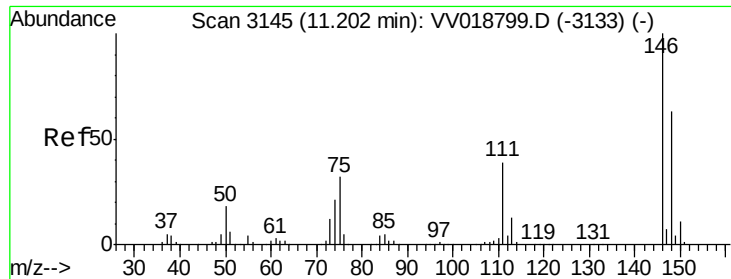
40000

20000

0

Time--> 9.65 9.70 9.75 9.80 9.85

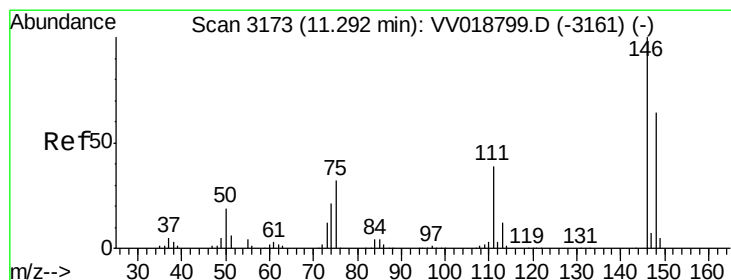
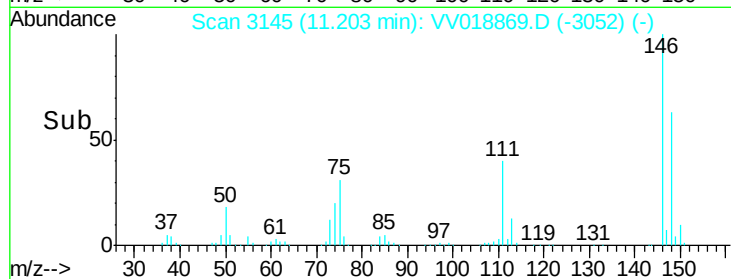
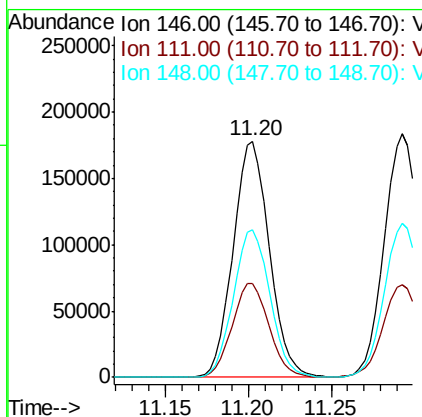
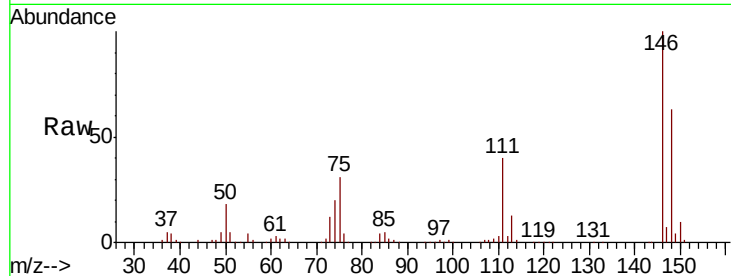




#62
 1,3-Dichlorobenzene
 Concen: 45.544 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

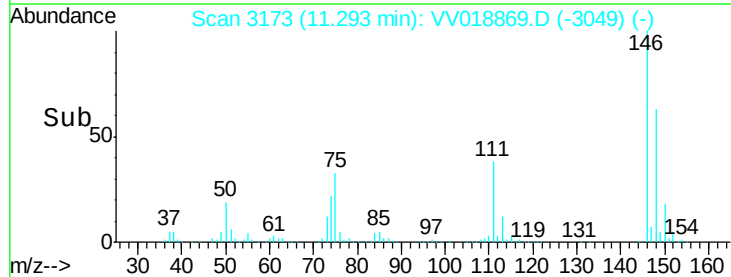
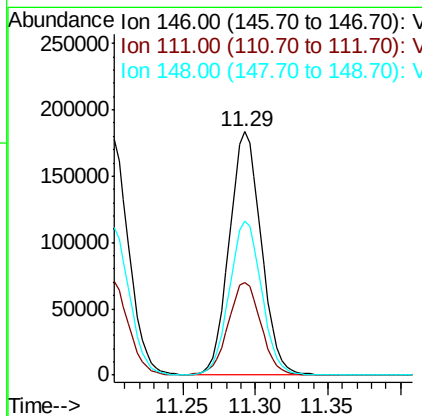
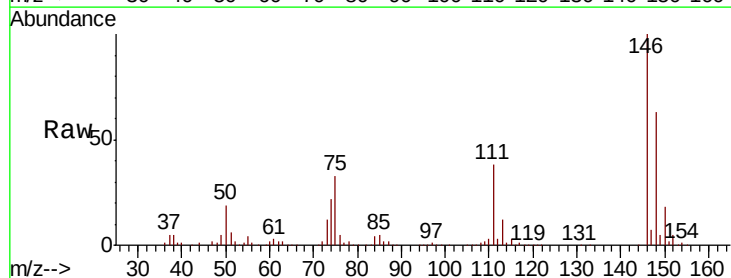
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

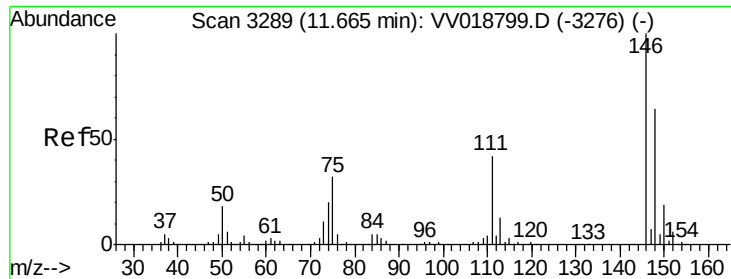
Tot Ion:146 Resp: 271033
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.8 51.6
 148 62.6 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 45.235 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

Tgt Ion:146 Resp: 280025
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.1 50.3
 148 63.4 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 44.648 ug/L

RT: 11.66 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

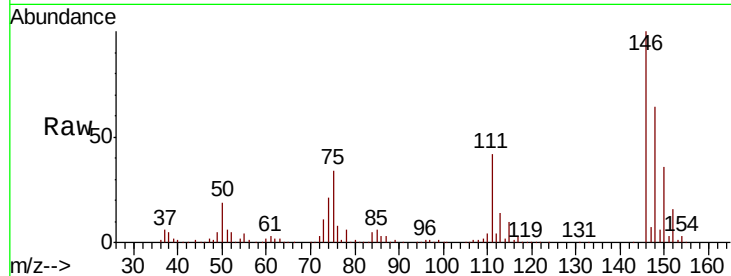
Tot Ion:146 Resp: 266746

Ion Ratio Lower Upper

146 100

111 41.6 33.8 50.6

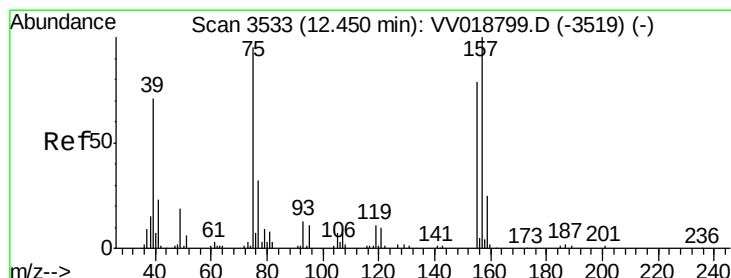
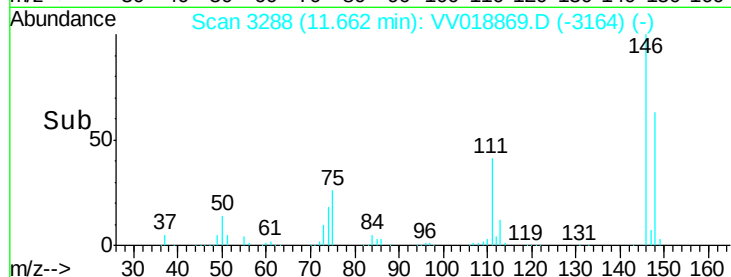
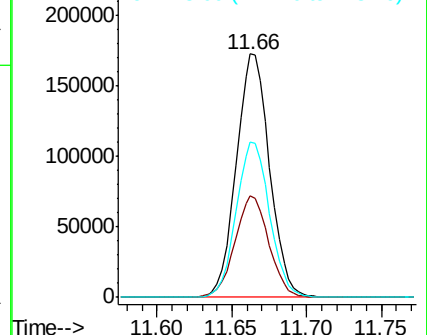
148 63.6 50.3 75.5



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: 44.400 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

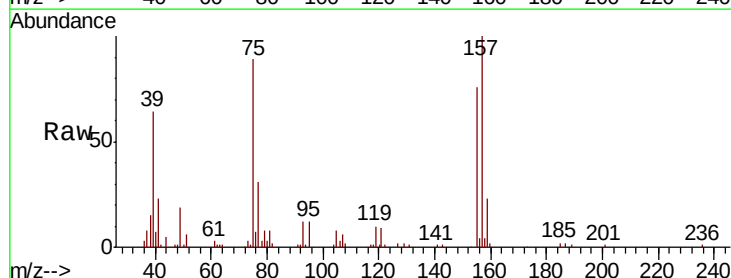
Tgt Ion: 75 Resp: 36591

Ion Ratio Lower Upper

75 100

155 85.9 65.8 98.8

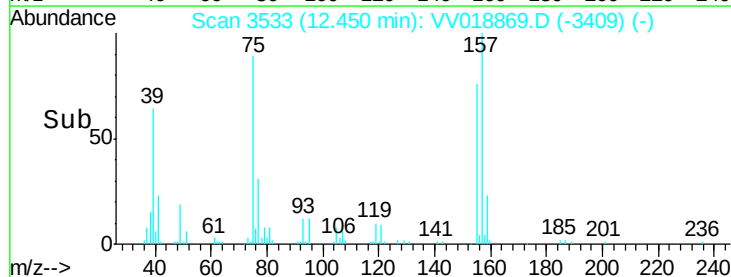
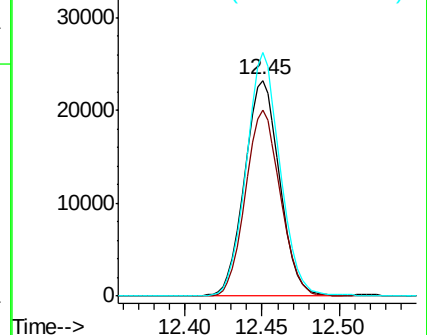
157 112.7 83.0 124.6

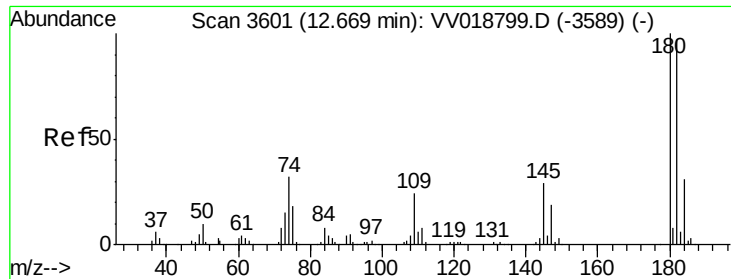


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

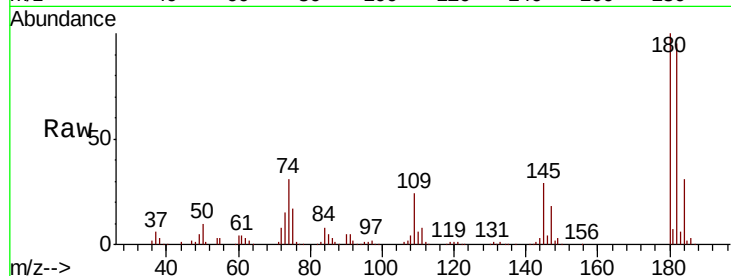




#67
 1,3,5-Trichlorobenzene
 Concen: 47.101 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
184	30.8	24.6	37.0
145	29.0	23.4	35.0

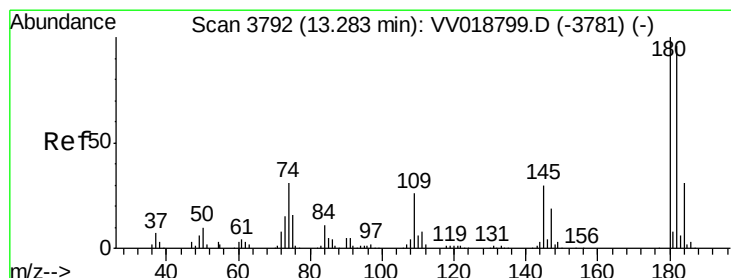
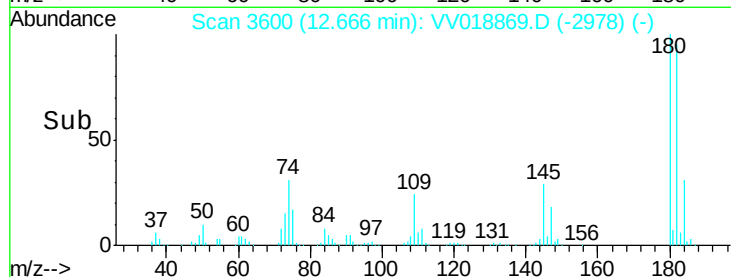
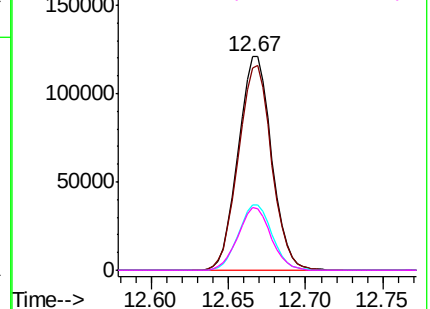


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

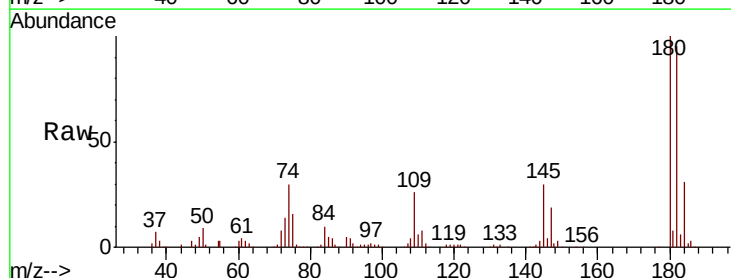
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.918 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018869.D
 Acq: 13 Oct 2020 10:14

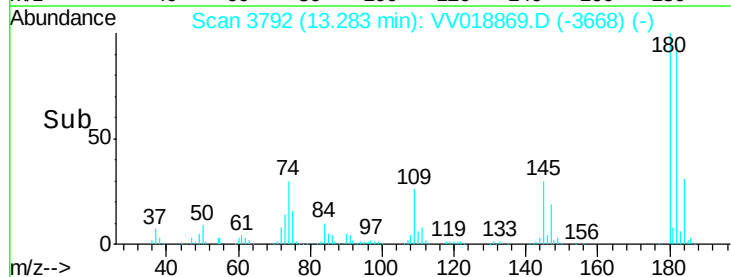
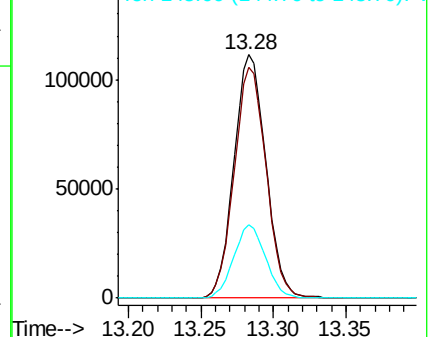
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.7	115.1
145	29.9	24.0	36.0

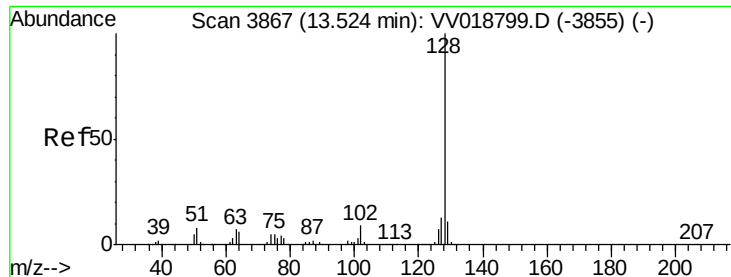


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.053 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

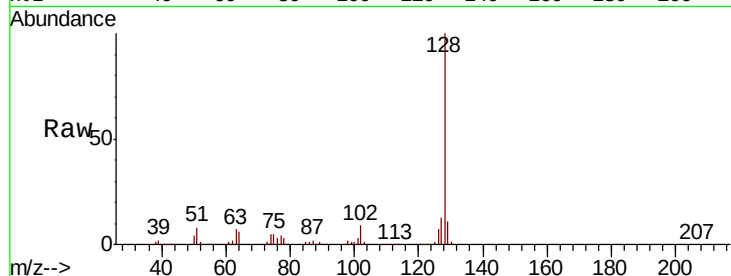
Tot Ion:128 Resp: 490735

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

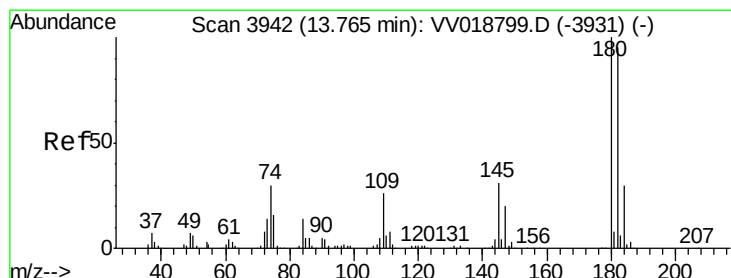
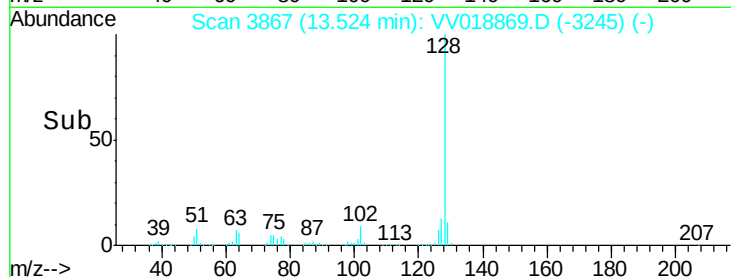
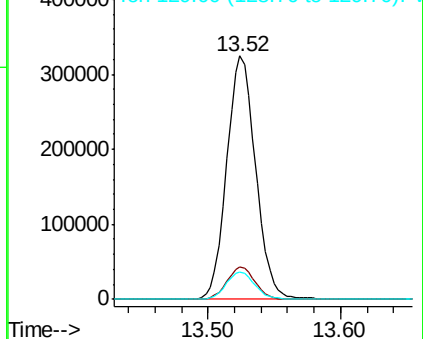
129 11.0 8.6 13.0



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: 48.430 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018869.D

Acq: 13 Oct 2020 10:14

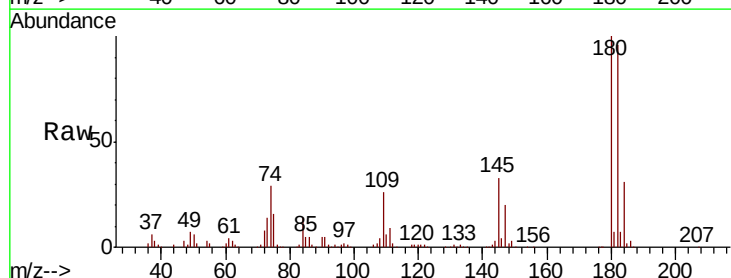
Tgt Ion:180 Resp: 174253

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 31.6 25.2 37.8



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

