

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018799.D
 Acq On : 09 Oct 2020 06:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Quant Time: Oct 09 07:36:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	350391	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	348188	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164268	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	150833	47.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.76%
7) Chloroethane-d5	1.58	69	119088	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.94%
11) 1,1-Dichloroethene-d2	2.12	63	281459	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.70%
21) 2-Butanone-d5	3.90	46	192598	98.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.52%
24) Chloroform-d	4.38	84	275241	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.06	65	186253	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
32) Benzene-d6	5.07	84	535017	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
36) 1,2-Dichloropropane-d6	6.09	67	162583	44.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.00%
41) Toluene-d8	7.34	98	465887	46.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.68%
43) trans-1,3-Dichloropropene-	7.64	79	80811	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.50%
47) 2-Hexanone-d5	8.11	63	136190	106.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.35%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	195465	46.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	183699	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	99766	44.110	ug/L	99
3) Chloromethane	1.25	50	132464	44.641	ug/L	100
5) Vinyl chloride	1.32	62	138380	44.729	ug/L	99
6) Bromomethane	1.53	94	80188	43.981	ug/L	100
8) Chloroethane	1.60	64	90442	44.650	ug/L	97
9) Trichlorofluoromethane	1.77	101	199196	44.038	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	108138	42.936	ug/L	99
12) 1,1-Dichloroethene	2.13	96	106559	43.941	ug/L	90
13) Acetone	2.18	43	128572	78.912	ug/L	100
14) Carbon disulfide	2.31	76	308655	42.997	ug/L	100
15) Methyl Acetate	2.44	43	146518	46.032	ug/L	99
16) Methylene chloride	2.52	84	129167	43.268	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	113498	44.340	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	395290	46.053	ug/L	100
19) 1,1-Dichloroethane	3.21	63	220300	43.853	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	123405	45.616	ug/L	98
22) 2-Butanone	3.99	43	180982	94.798	ug/L	99

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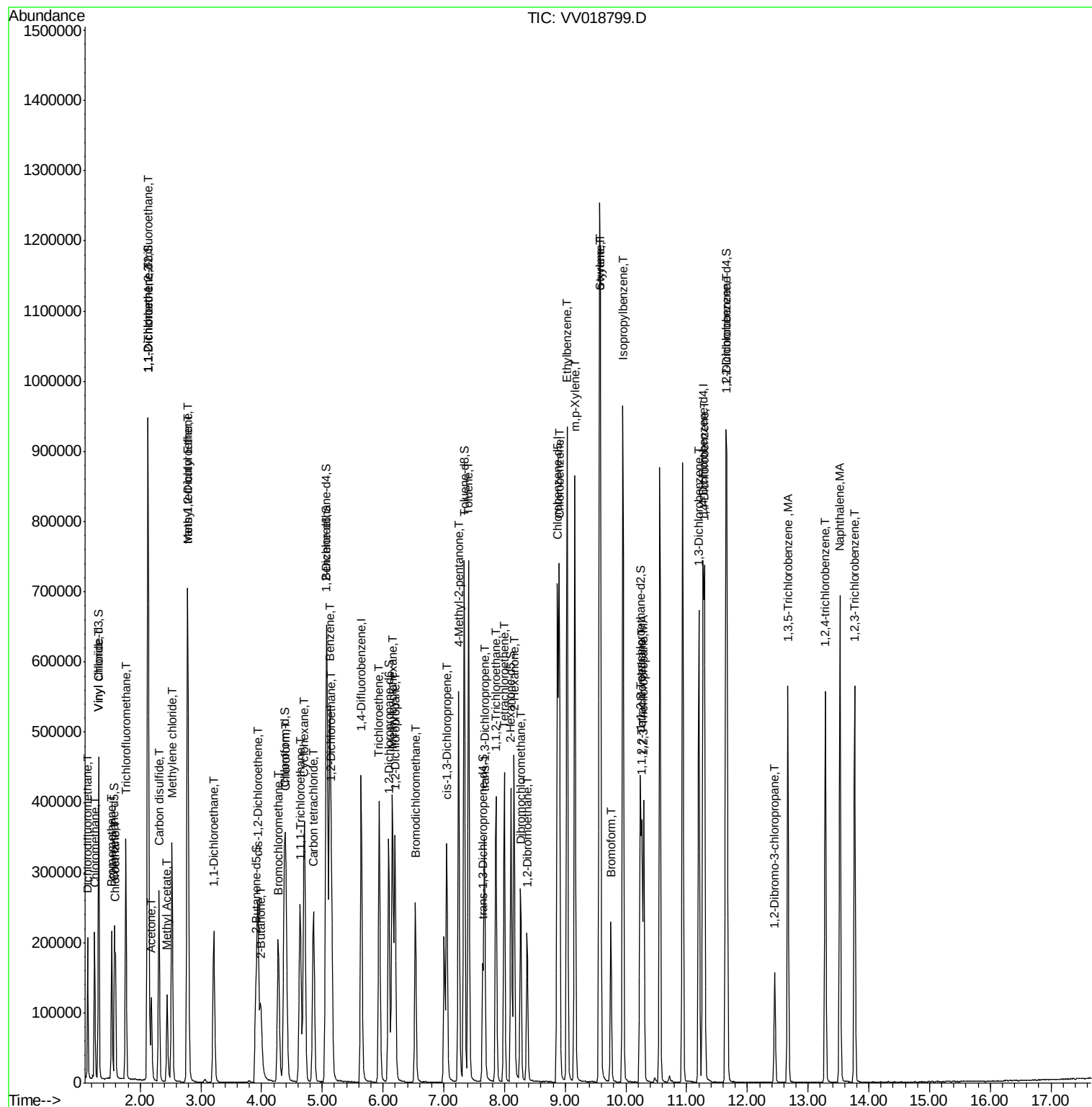
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66493	47.409	ug/L	97
25) Chloroform	4.40	83	239541	46.461	ug/L	99
27) 1,2-Dichloroethane	5.15	62	196875	46.936	ug/L	99
29) Cyclohexane	4.70	56	207714	49.261	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	206252	44.445	ug/L	99
31) Carbon tetrachloride	4.86	117	178387	45.608	ug/L	100
33) Benzene	5.13	78	506247	45.829	ug/L	100
34) Trichloroethene	5.94	95	134576	42.329	ug/L	99
35) Methylcyclohexane	6.15	83	163521	42.034	ug/L	98
37) 1,2-Dichloropropane	6.20	63	131033	43.183	ug/L	100
38) Bromodichloromethane	6.53	83	170044	44.126	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	189871	44.293	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	368396	93.424	ug/L	100
42) Toluene	7.41	91	514986	45.388	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	191825	43.669	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	119784	43.953	ug/L	97
46) Tetrachloroethene	8.00	164	94793	40.683	ug/L	98
48) 2-Hexanone	8.16	43	296949	95.393	ug/L	99
49) Dibromochloromethane	8.27	129	135722	45.564	ug/L	97
50) 1,2-Dibromoethane	8.37	107	136490	48.969	ug/L	99
51) Chlorobenzene	8.90	112	355448	47.200	ug/L	100
52) Ethylbenzene	9.03	91	620372	48.148	ug/L	100
53) m,p-Xylene	9.16	106	228196	48.249	ug/L	99
54) o-xylene	9.56	106	222681	49.573	ug/L	100
55) Styrene	9.58	104	397123	49.948	ug/L	100
56) Isopropylbenzene	9.95	105	583072	46.912	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	169376	44.555	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	155819	43.156	ug/L	100
61) Bromoform	9.75	173	99561	54.626	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	257843	48.145	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	264169	47.419	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	259028	48.177	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	37231	50.200	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	167997	48.430	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	159882	49.015	ug/L	100
69) Naphthalene	13.52	128	502519	54.678	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	163797	50.586	ug/L	99

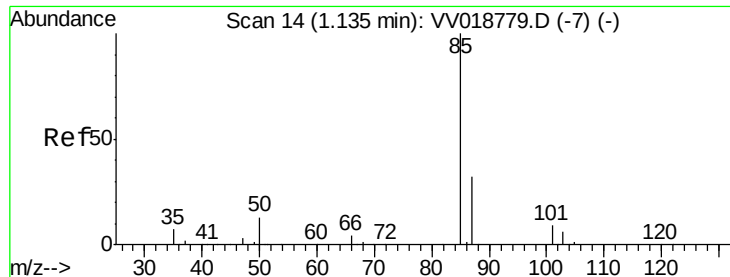
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.110 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

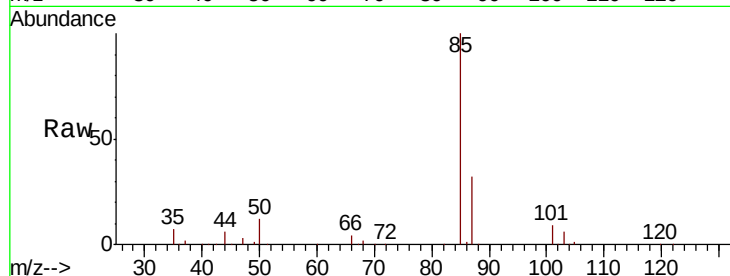
VSTD05081

Tot Ion: 85 Resp: 99766

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018779.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018779.D (-7) (-)

1.14

120000

100000

80000

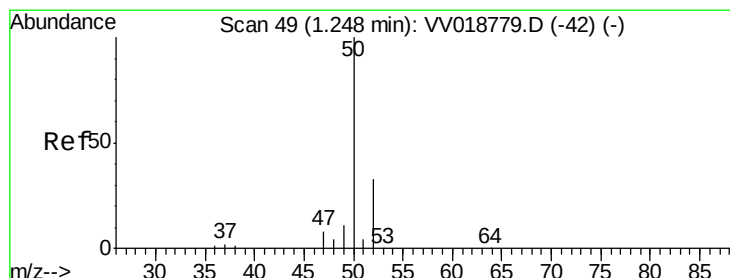
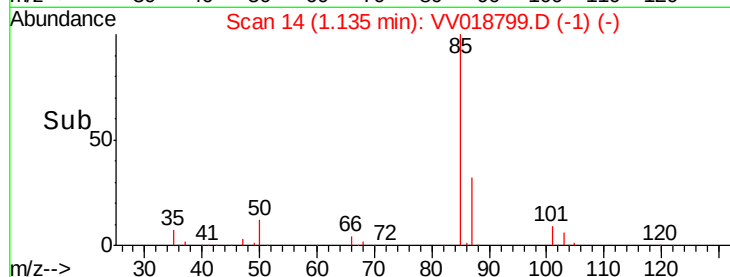
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 44.641 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018799.D

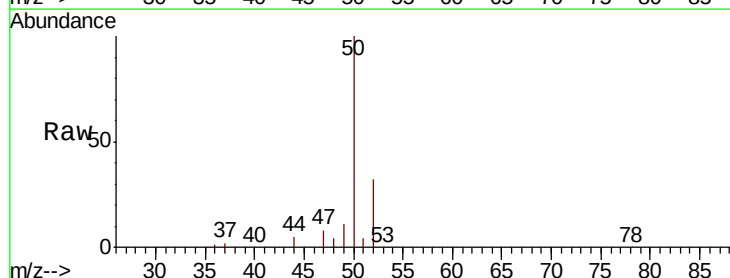
Acq: 09 Oct 2020 06:58

Tgt Ion: 50 Resp: 132464

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018779.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018779.D (-42) (-)

1.25

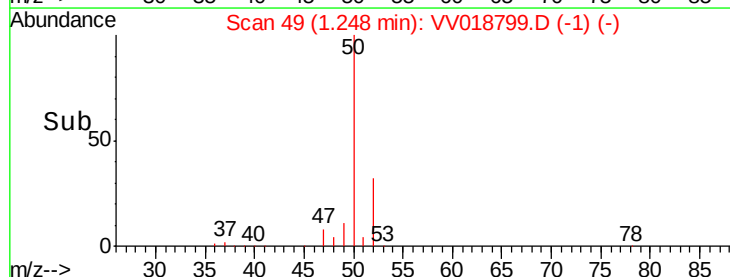
150000

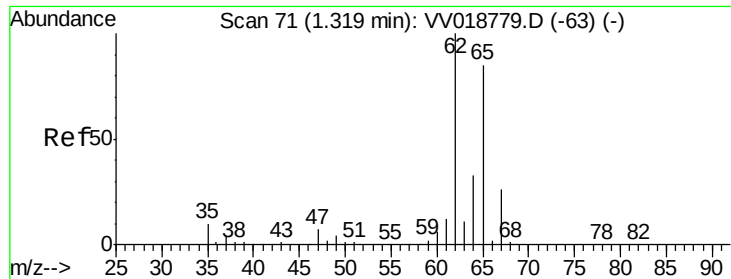
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 44.729 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

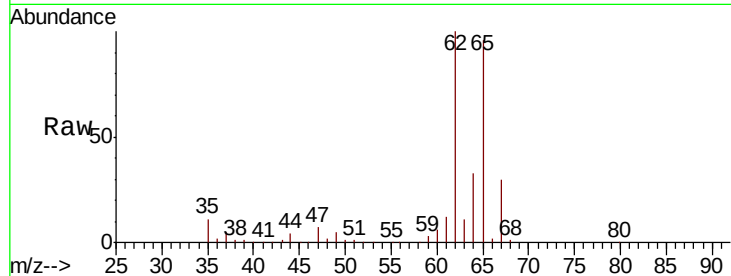
VSTD05081

Tot Ion: 62 Resp: 138380

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

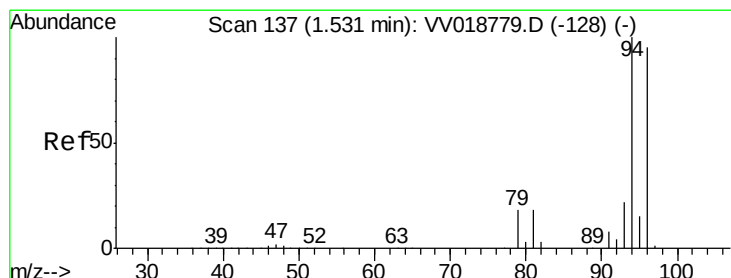
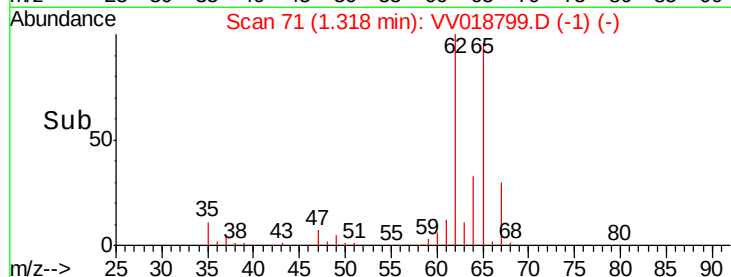
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 43.981 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018799.D

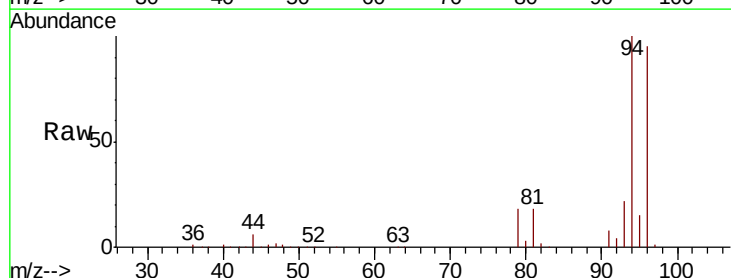
Acq: 09 Oct 2020 06:58

Tgt Ion: 94 Resp: 80188

Ion Ratio Lower Upper

94 100

96 94.7 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

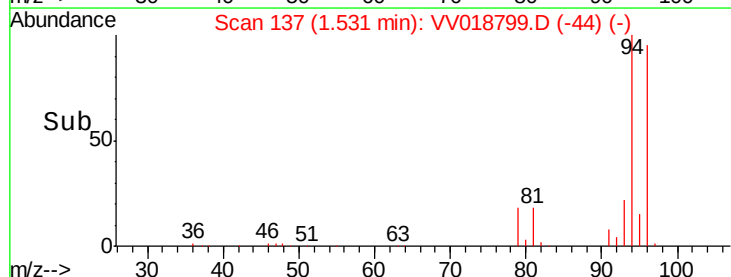
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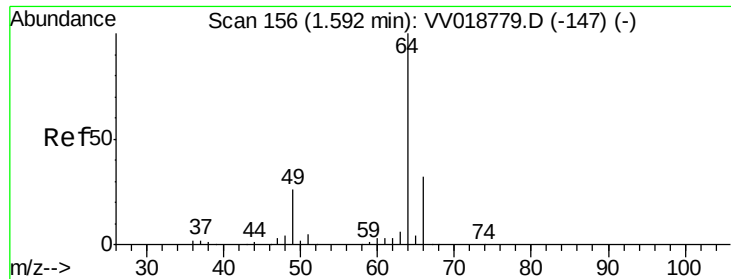
40000

20000

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Time-->

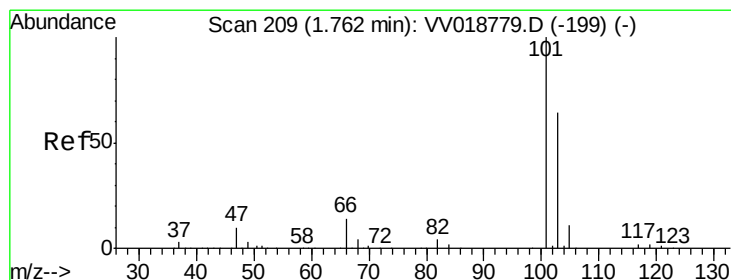
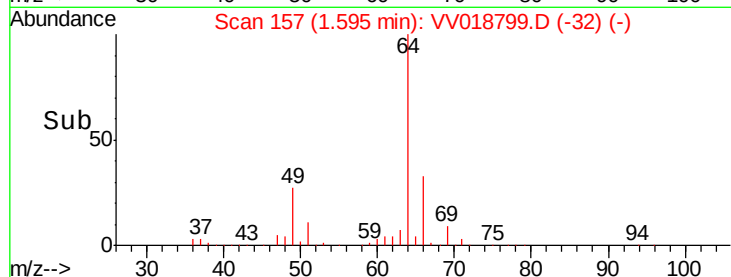
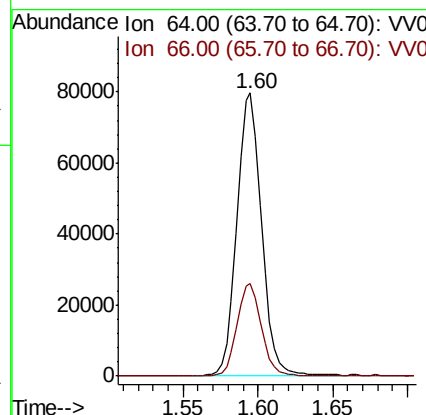
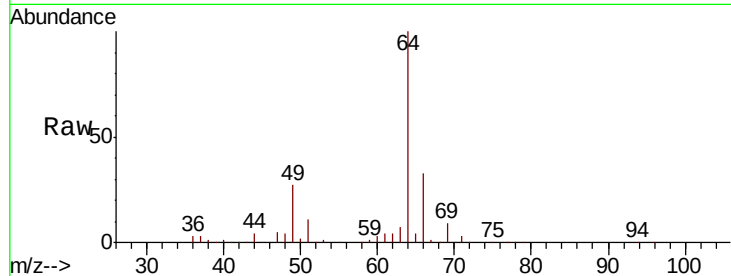




#8
 Chloroethane
 Concen: 44.650 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

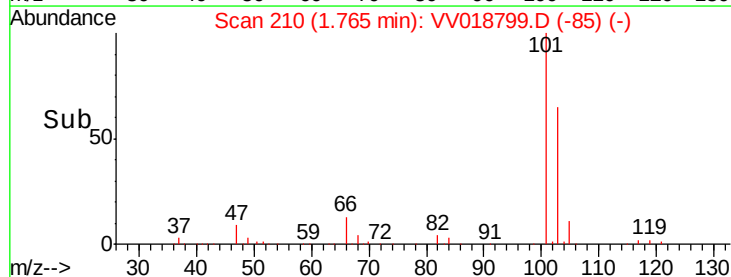
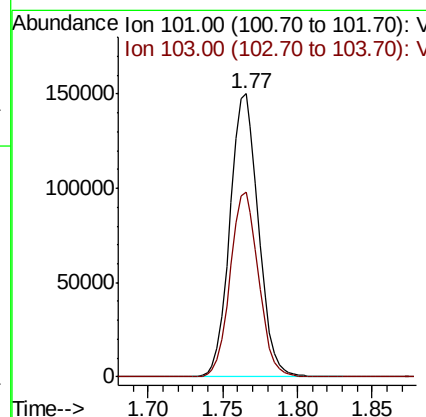
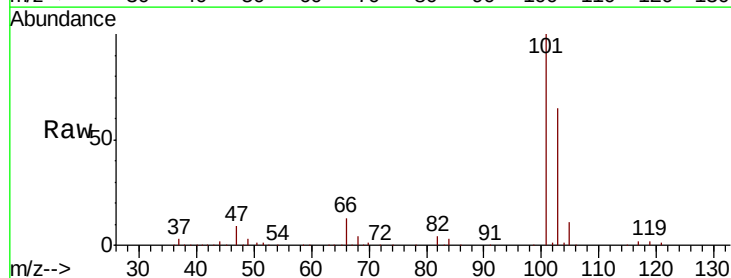
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

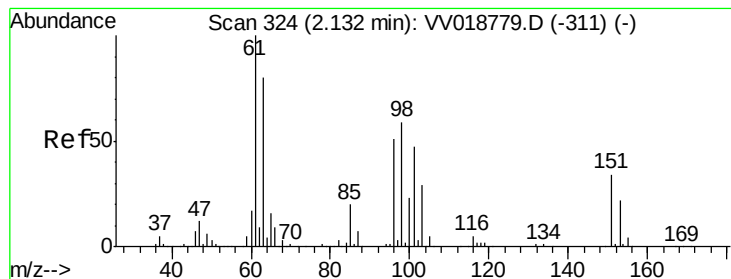
Tot Ion: 64 Resp: 90442
 Ion Ratio Lower Upper
 64 100
 66 32.7 21.7 40.3



#9
 Trichlorofluoromethane
 Concen: 44.038 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

Tgt Ion: 101 Resp: 199196
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4





#10

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

Concen: 42.936 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

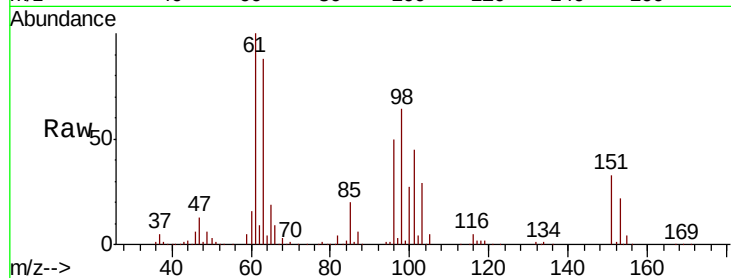
Tot Ion:101 Resp: 108138

Ion Ratio Lower Upper

101 100

85 45.6 35.9 53.9

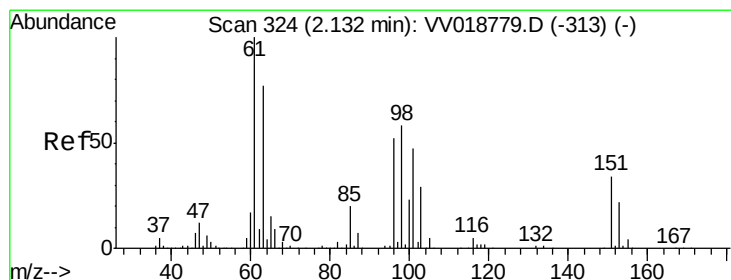
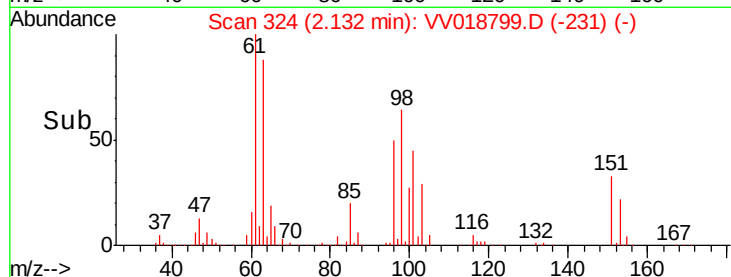
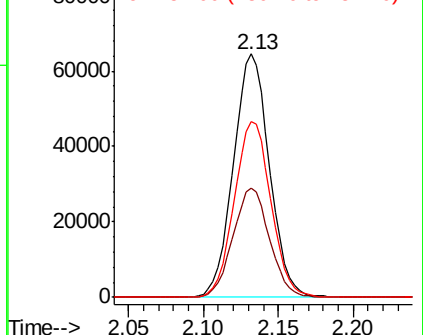
151 73.6 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 43.941 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

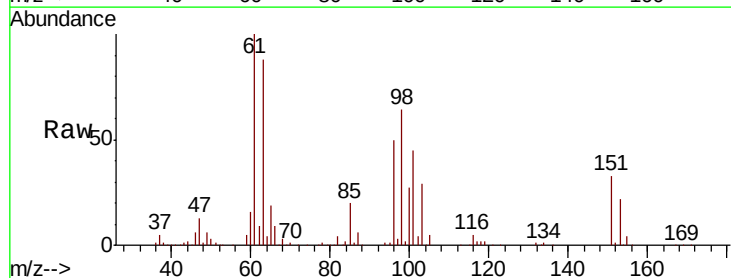
Tgt Ion: 96 Resp: 106559

Ion Ratio Lower Upper

96 100

61 198.0 133.6 248.0

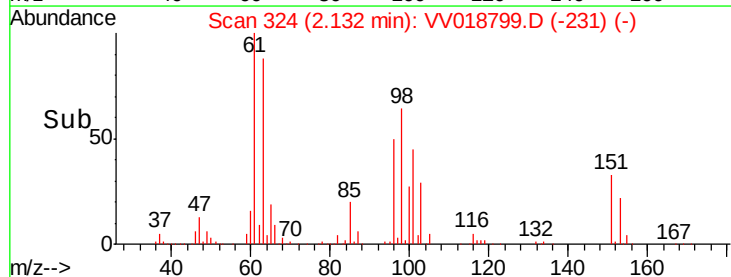
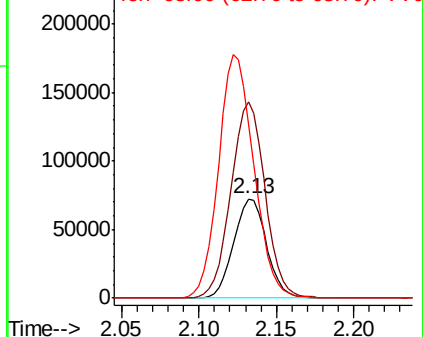
63 175.1 108.4 201.4

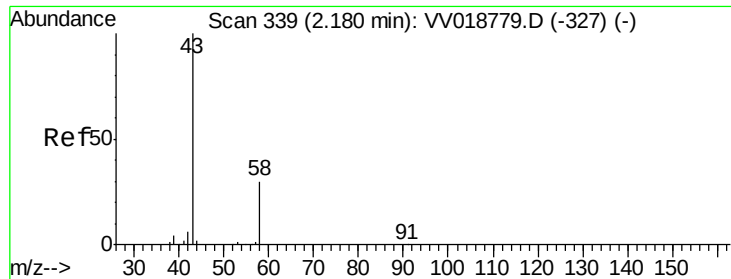


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 78.912 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 09 Oct 2020 06:58

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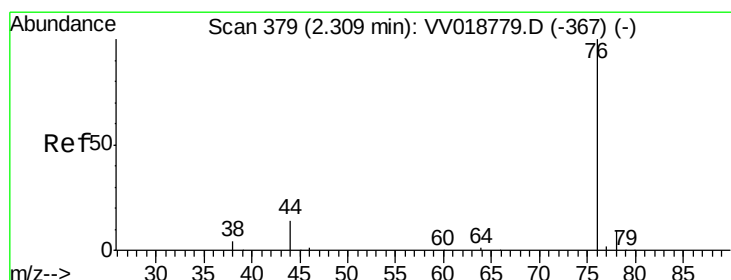
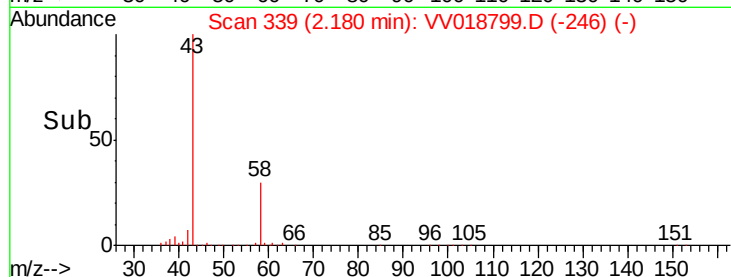
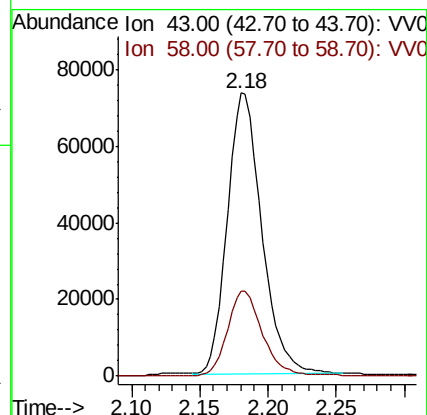
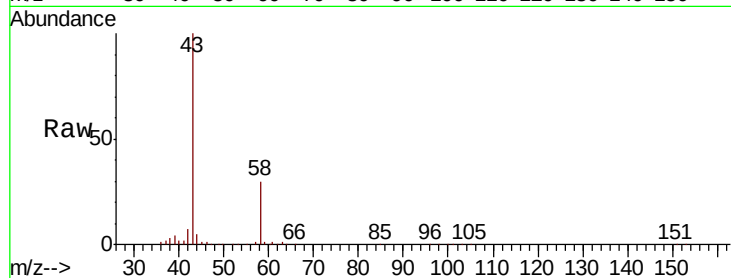
VSTD05081

Tot Ion: 43 Resp: 128572

Ion Ratio Lower Upper

43 100

58 30.3 0.0 61.0



#14

Carbon disulfide

Concen: 42.997 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018779.D

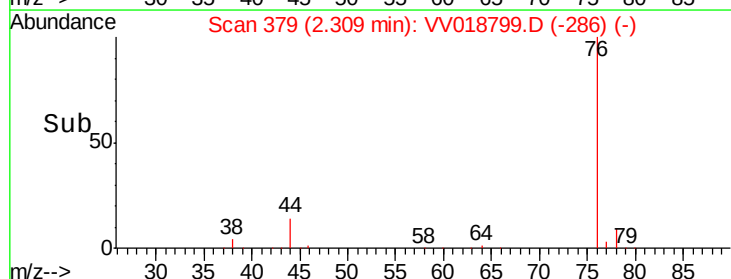
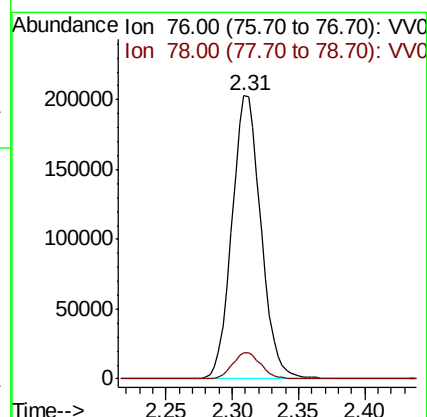
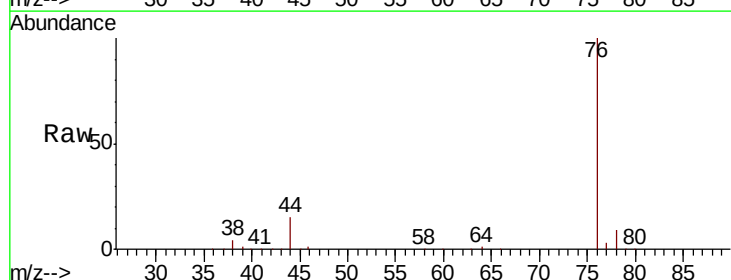
Acq: 09 Oct 2020 06:58

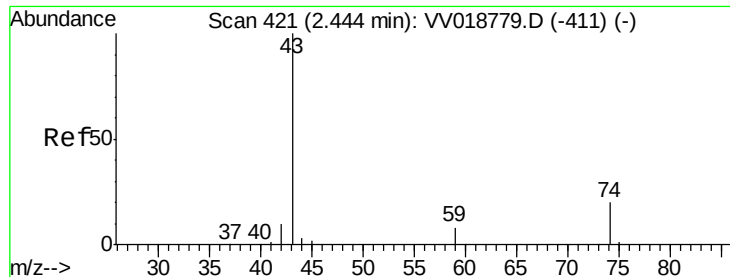
Tgt Ion: 76 Resp: 308655

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methvl Acetate

Concen: 46.032 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

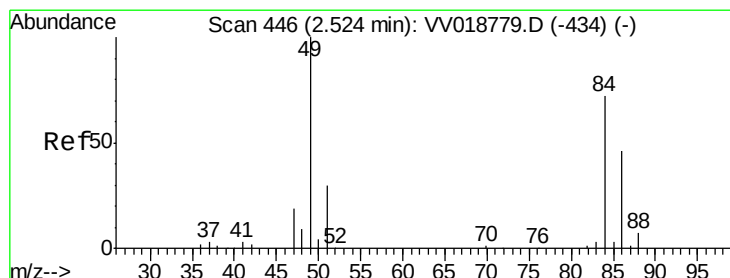
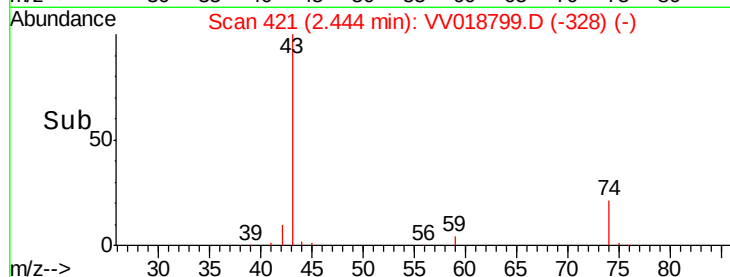
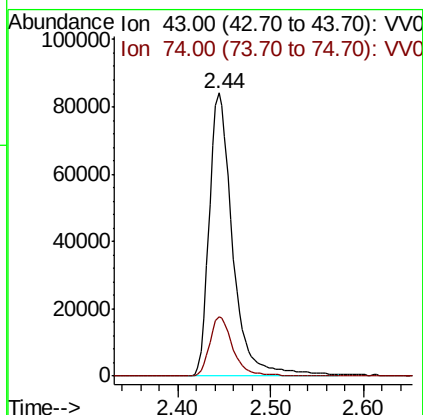
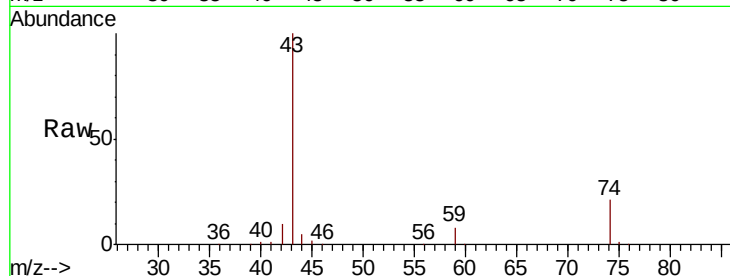
VSTD05081

Tot Ion: 43 Resp: 146518

Ion Ratio Lower Upper

43 100

74 20.8 16.9 25.3



#16

Methylene chloride

Concen: 43.268 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 09 Oct 2020 06:58

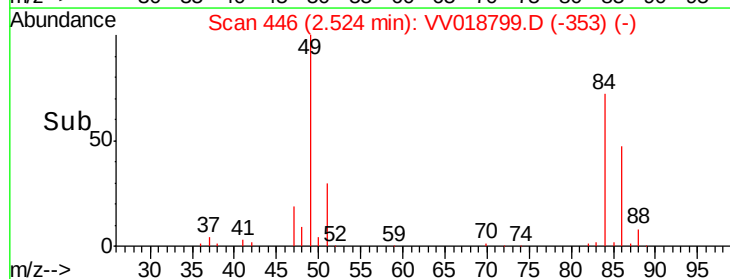
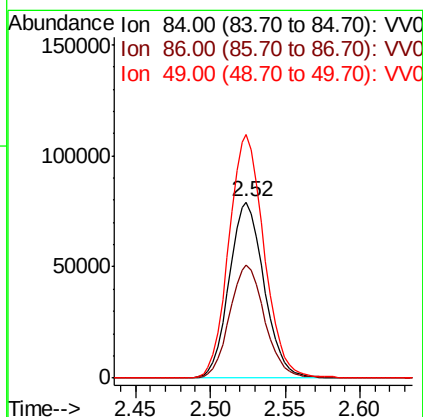
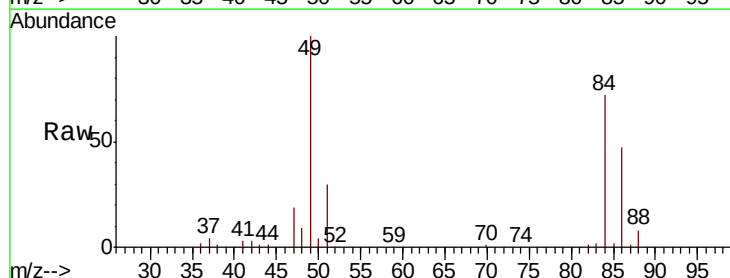
Tgt Ion: 84 Resp: 129167

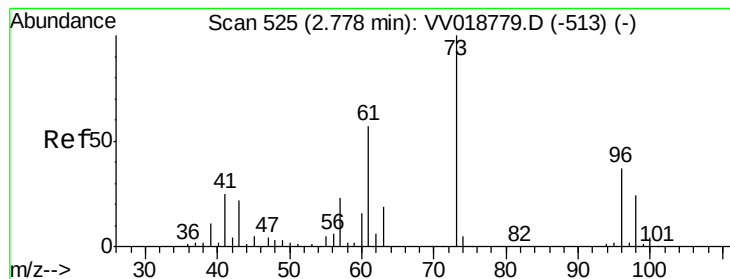
Ion Ratio Lower Upper

84 100

86 64.3 45.2 84.0

49 138.0 97.9 181.9





#17

trans-1,2-Dichloroethene

Concen: 44.340 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

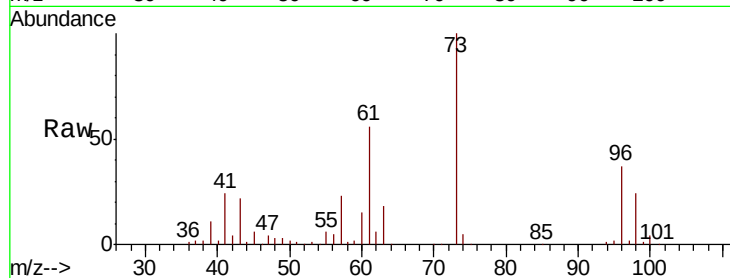
Tot Ion: 96 Resp: 113498

Ion Ratio Lower Upper

96 100

61 149.3 105.7 196.3

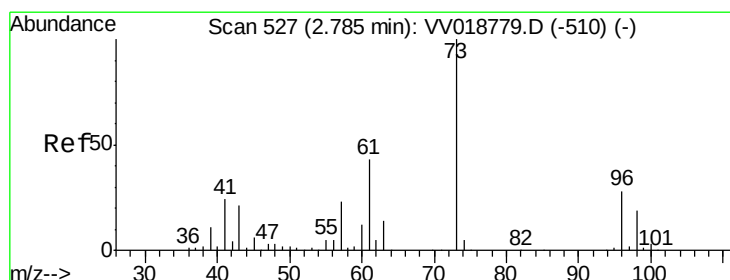
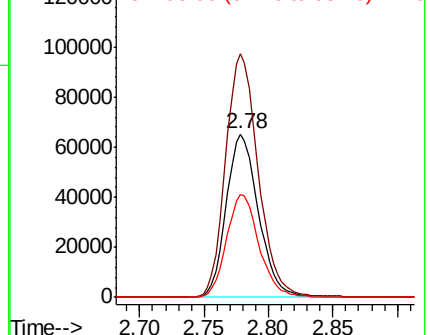
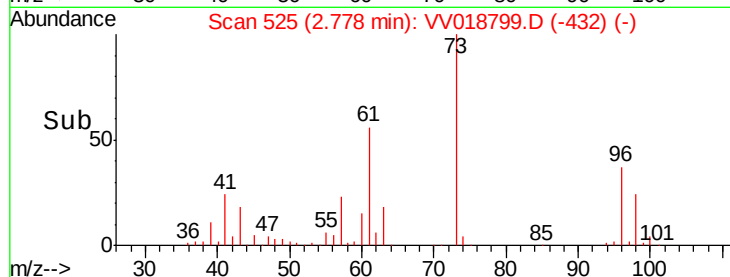
98 63.4 44.7 83.1



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: 46.053 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

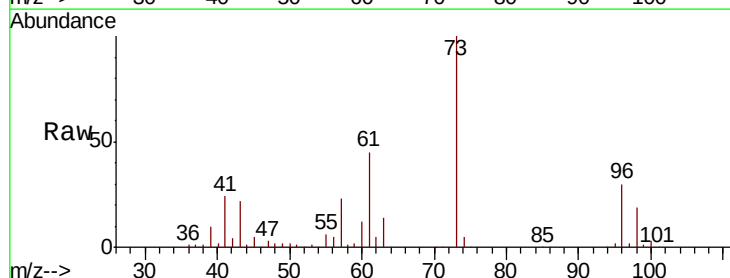
Tgt Ion: 73 Resp: 395290

Ion Ratio Lower Upper

73 100

43 21.6 17.3 25.9

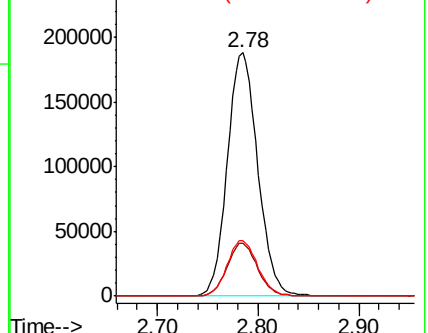
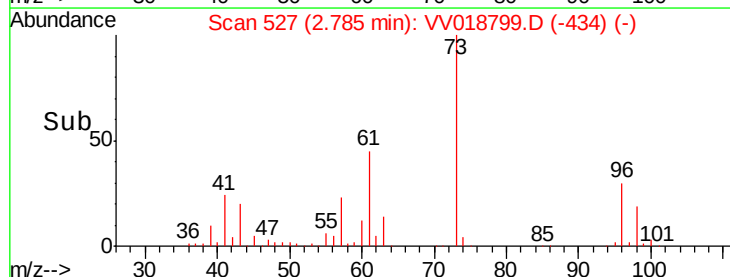
57 23.0 18.5 27.7

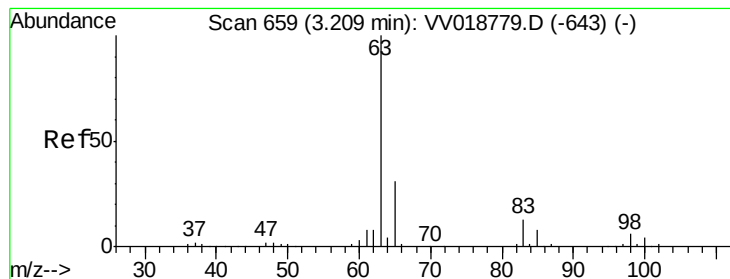


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 43.853 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampled :

VSTD05081

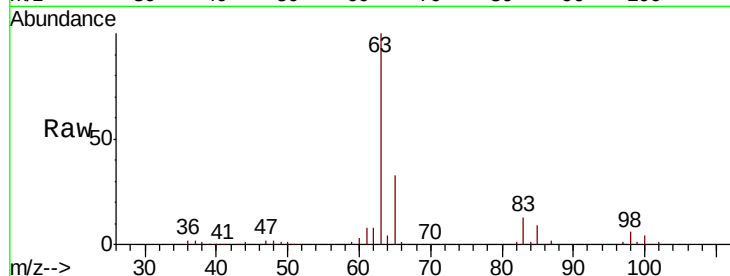
Tot Ion: 63 Resp: 220300

Ion Ratio Lower Upper

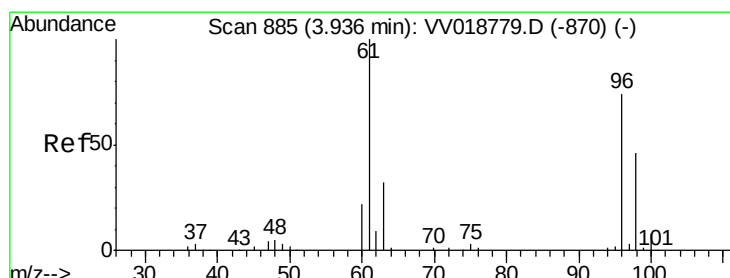
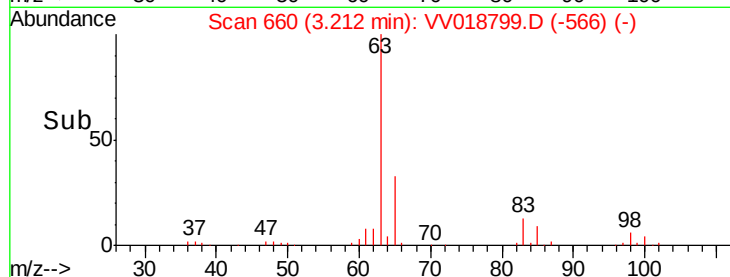
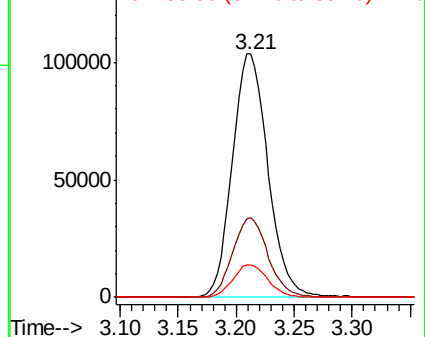
63 100

65 32.6 22.0 40.8

83 13.5 9.2 17.0



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: 45.616 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

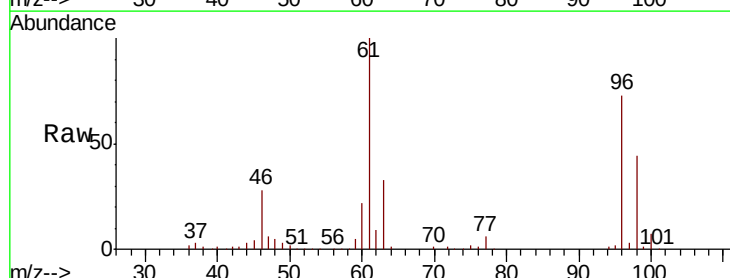
Tgt Ion: 96 Resp: 123405

Ion Ratio Lower Upper

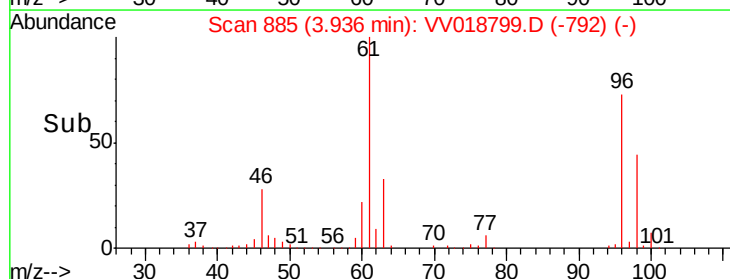
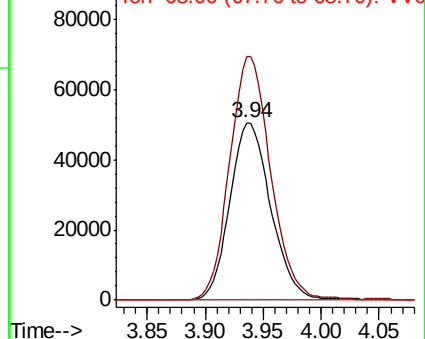
96 100

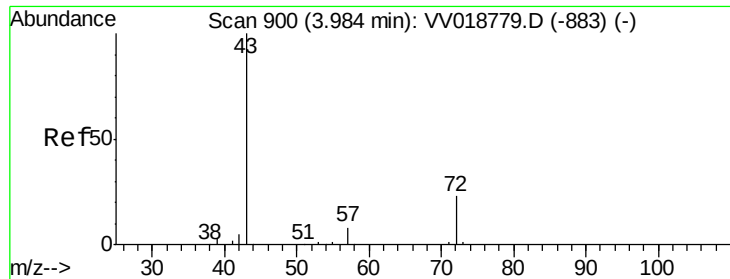
61 137.0 97.3 180.7

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: 94.798 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

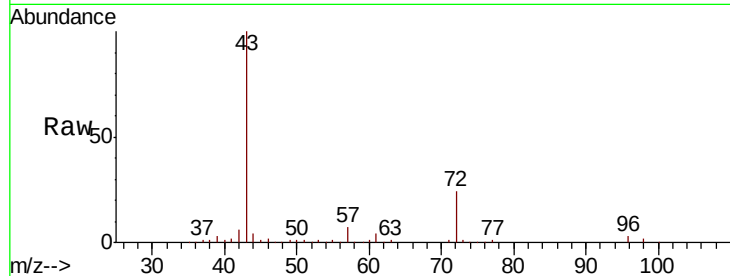
VSTD05081

Tot Ion: 43 Resp: 180982

Ion Ratio Lower Upper

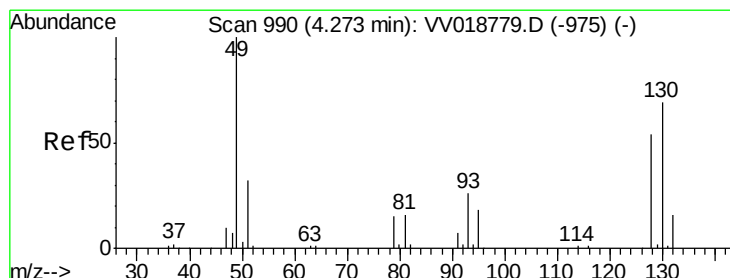
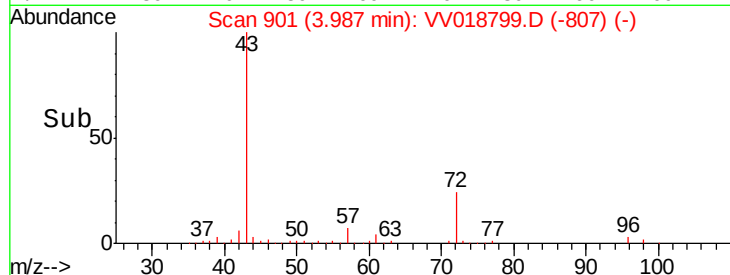
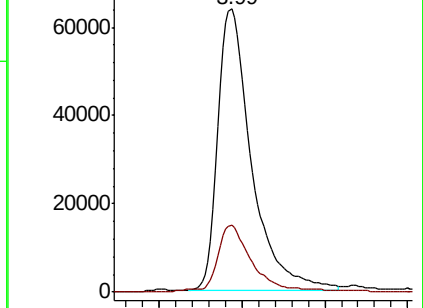
43 100

72 21.7 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018779.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV018779.D (-883) (-)



#23

Bromochloromethane

Concen: 47.409 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Tgt Ion: 128 Resp: 66493

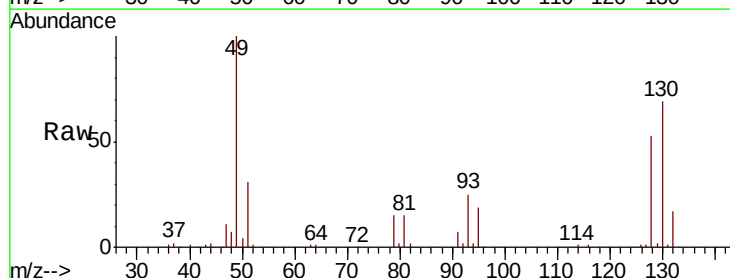
Ion Ratio Lower Upper

128 100

49 188.6 129.7 240.9

130 130.4 86.7 161.1

51 58.6 45.9 68.9

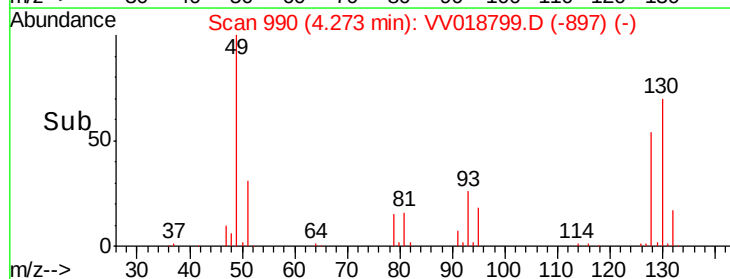
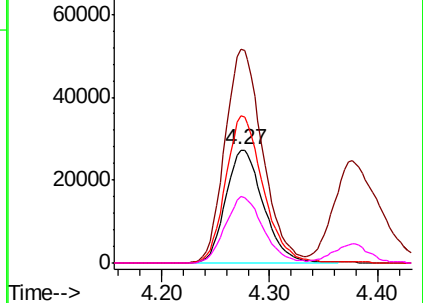


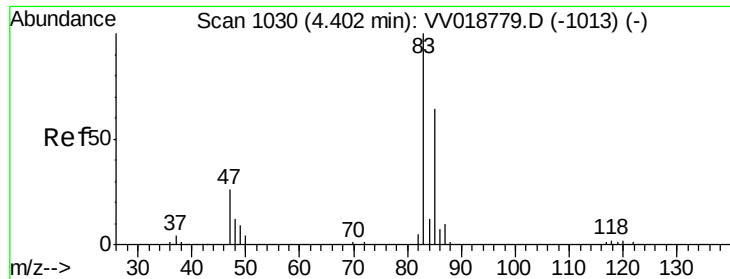
Abundance Ion 128.00 (127.70 to 128.70): VV018779.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018779.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV018779.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV018779.D (-975) (-)

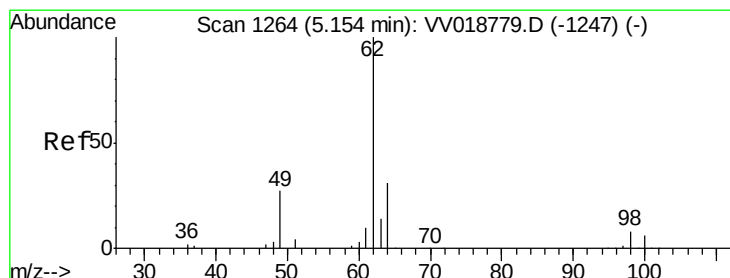
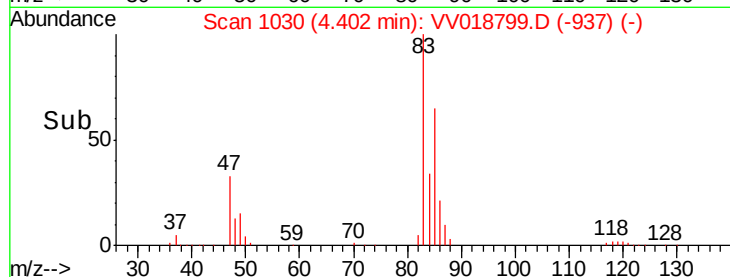
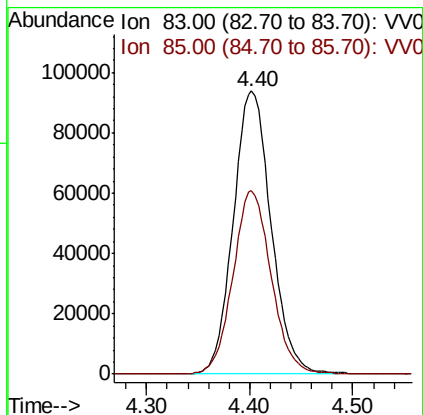
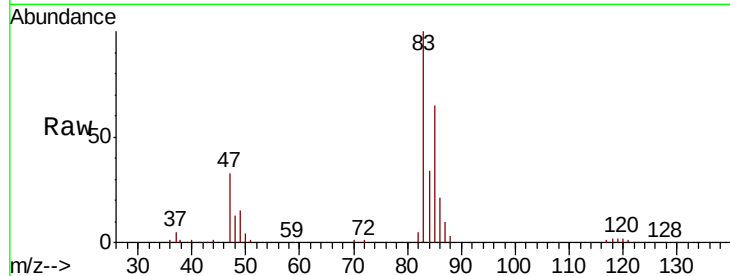




#25
Chloroform
Concen: 46.461 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018799.D
Acq: 09 Oct 2020 06:58

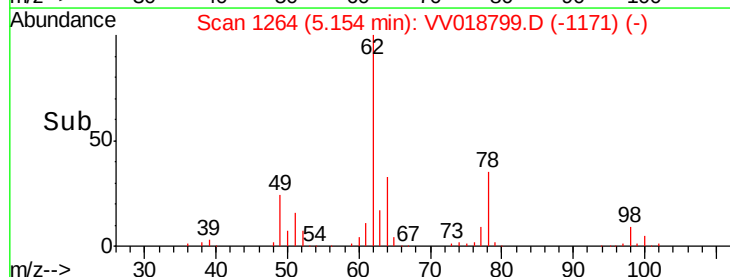
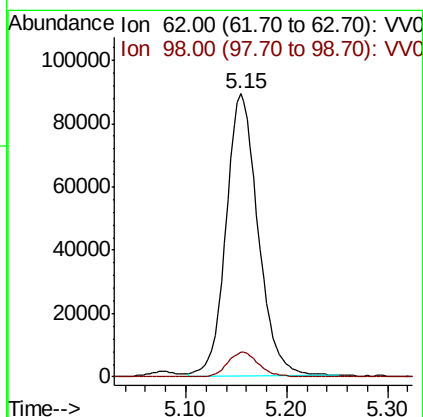
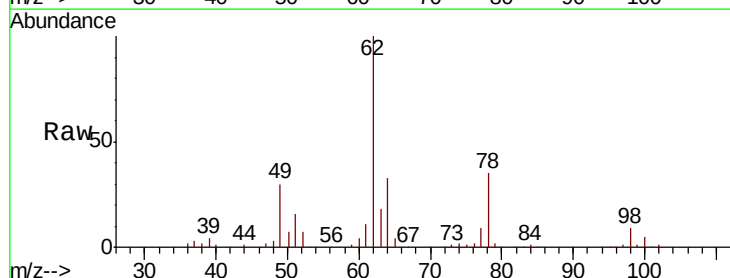
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

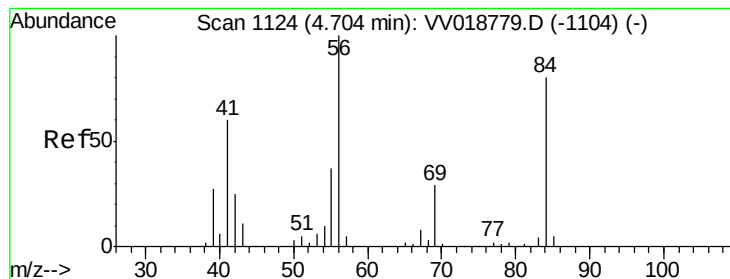
Tot Ion: 83 Resp: 239541
Ion Ratio Lower Upper
83 100
85 65.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 46.936 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018799.D
Acq: 09 Oct 2020 06:58

Tgt Ion: 62 Resp: 196875
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0





#29

Cyclohexane

Concen: 49.261 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

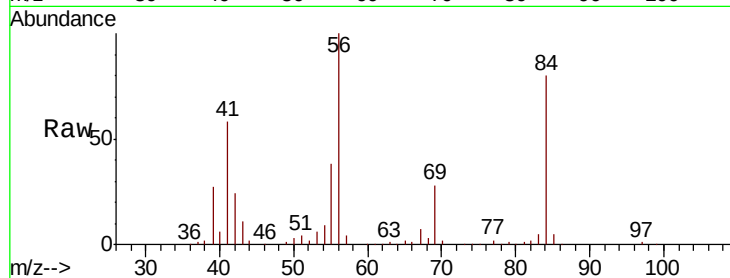
Tot Ion: 56 Resp: 207714

Ion Ratio Lower Upper

56 100

69 28.9 23.1 34.7

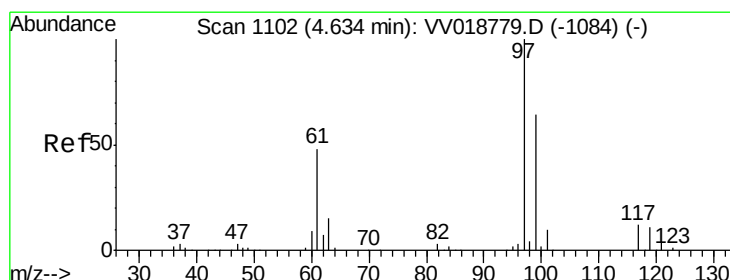
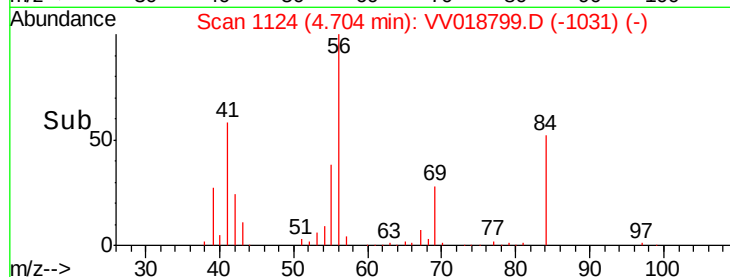
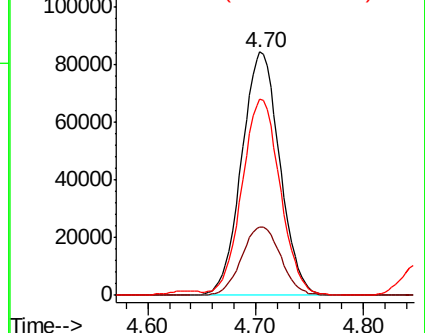
84 80.7 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VV018779.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018779.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018779.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 44.445 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018779.D

Acq: 09 Oct 2020 06:58

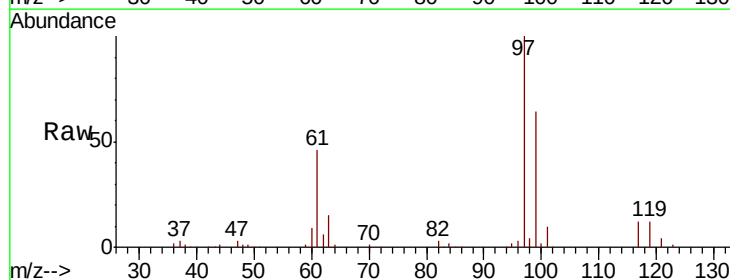
Tgt Ion: 97 Resp: 206252

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

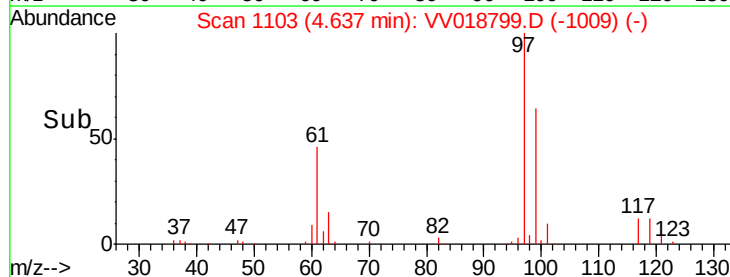
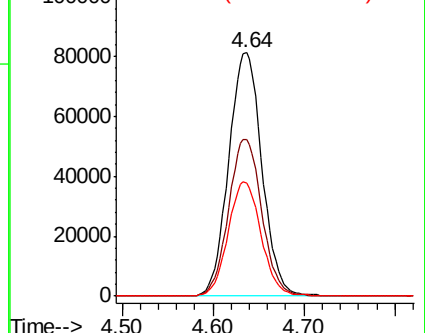
61 46.6 37.0 55.4

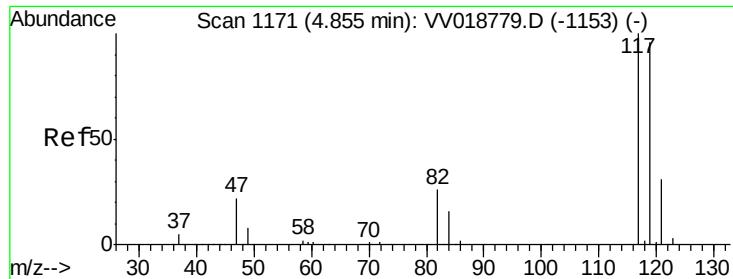


Abundance Ion 97.00 (96.70 to 97.70): VV018779.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018779.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018779.D (-1084) (-)

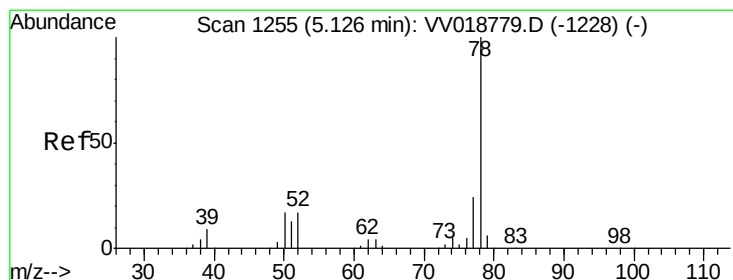
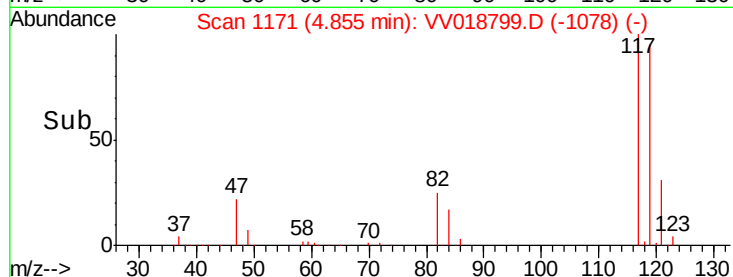
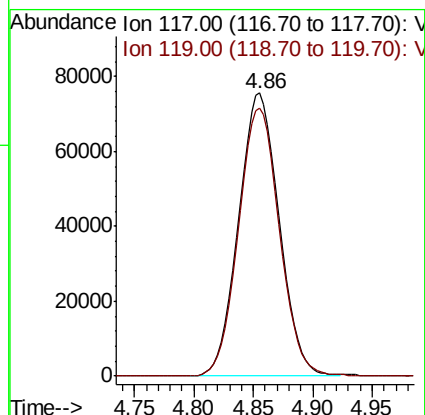
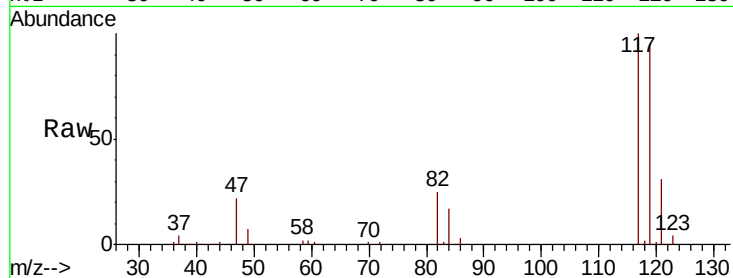




#31
Carbon tetrachloride
Concen: 45.608 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV018799.D
Acq: 09 Oct 2020 06:58

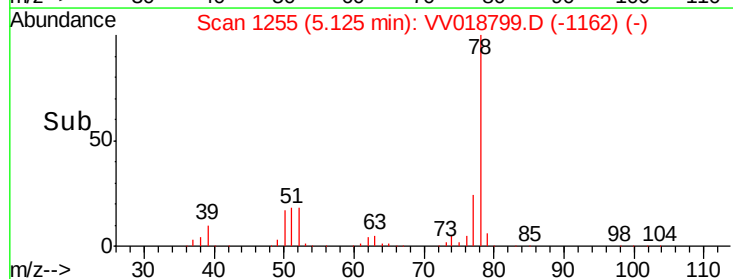
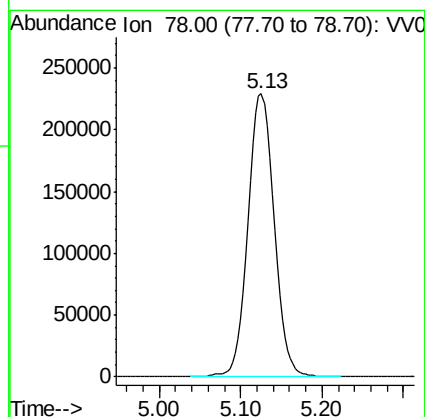
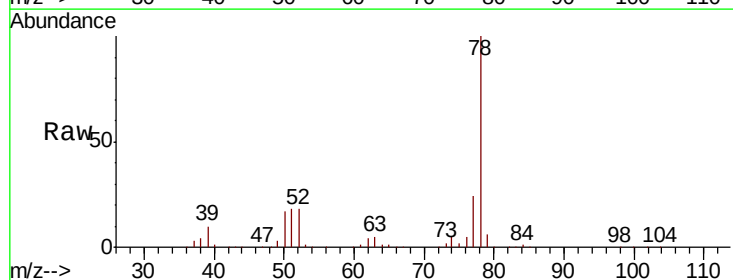
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

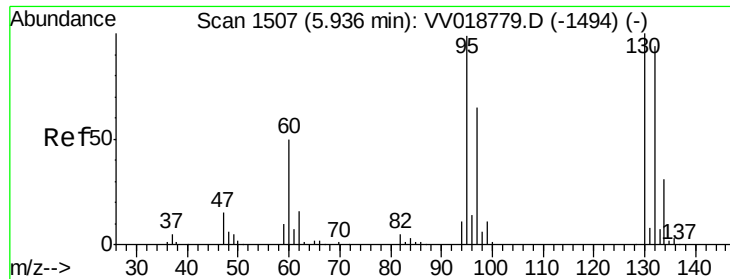
Tot Ion:117 Resp: 178387
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5



#33
Benzene
Concen: 45.829 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV018799.D
Acq: 09 Oct 2020 06:58

Tgt Ion: 78 Resp: 506247





#34

Trichloroethene

Concen: 42.329 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampled :

VSTD05081

Tot Ion: 95 Resp: 134576

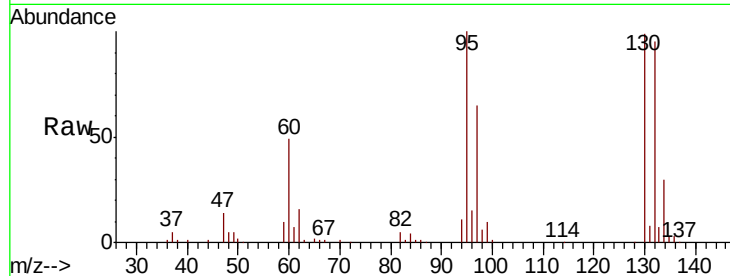
Ion Ratio Lower Upper

95 100

97 65.4 45.1 83.9

132 95.5 66.2 123.0

130 98.7 69.1 128.3

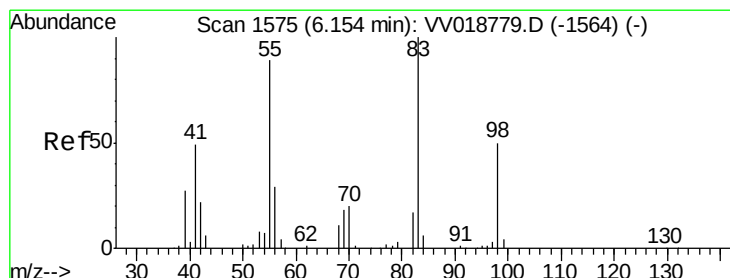
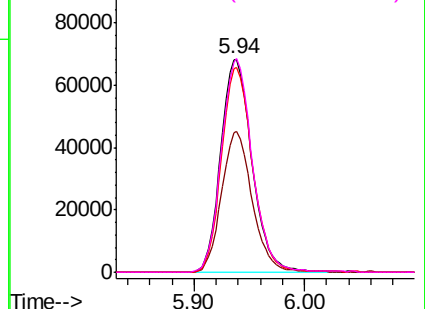
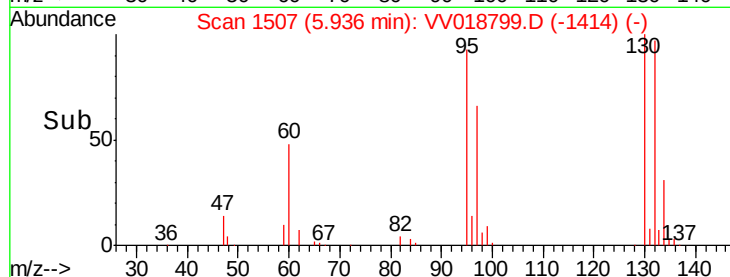


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 42.034 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

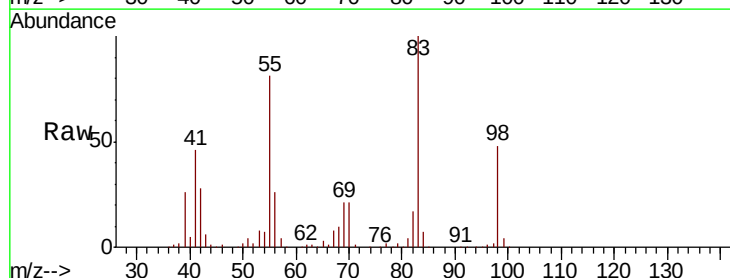
Tgt Ion: 83 Resp: 163521

Ion Ratio Lower Upper

83 100

55 81.3 67.0 100.4

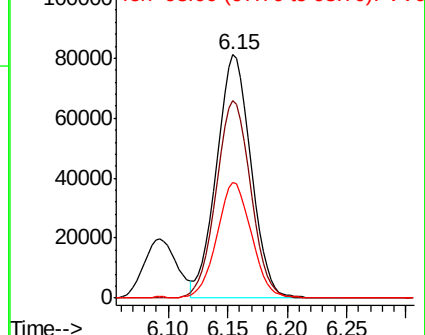
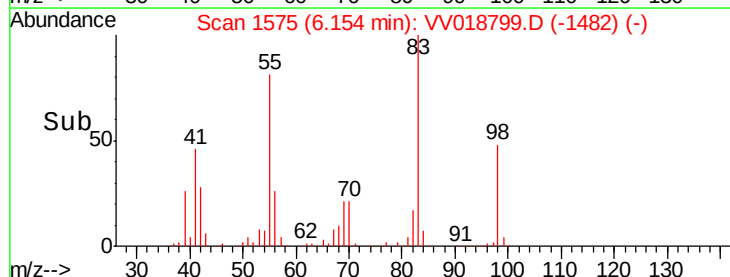
98 47.7 38.8 58.2

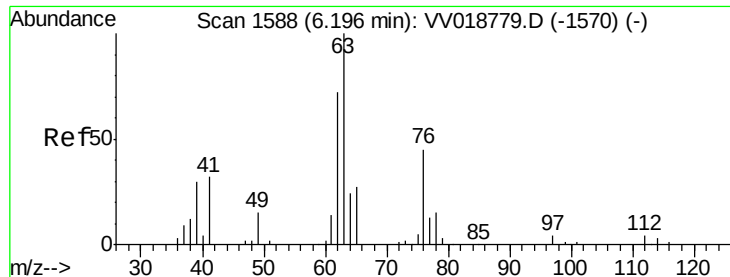


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

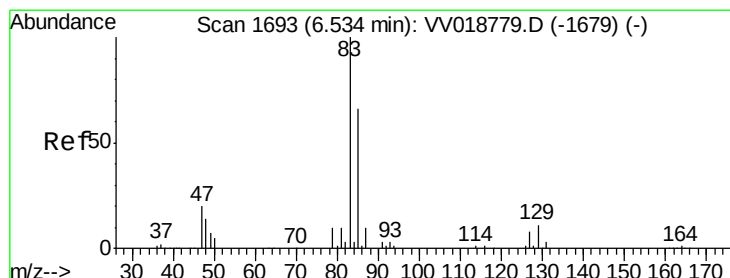
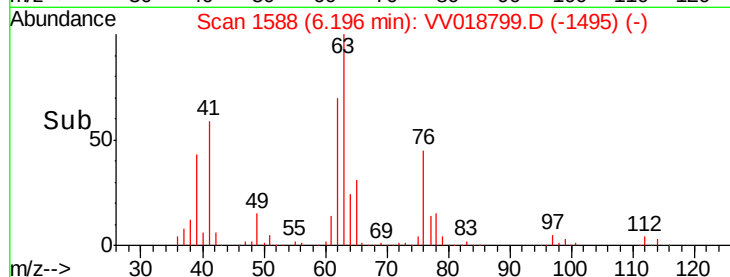
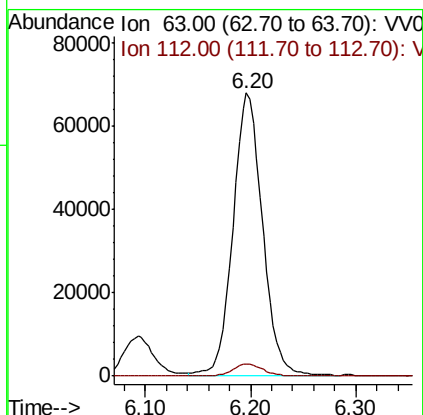
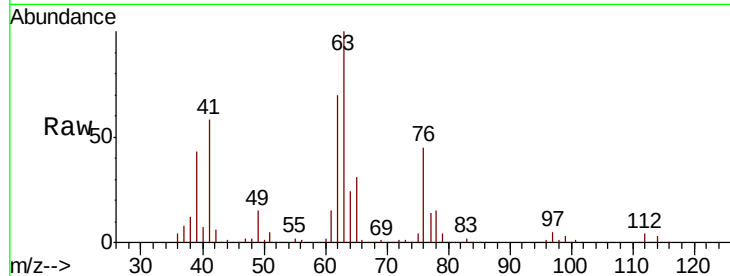




#37
 1,2-Dichloropropane
 Concen: 43.183 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

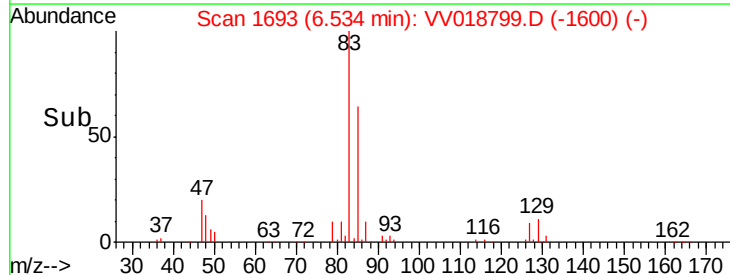
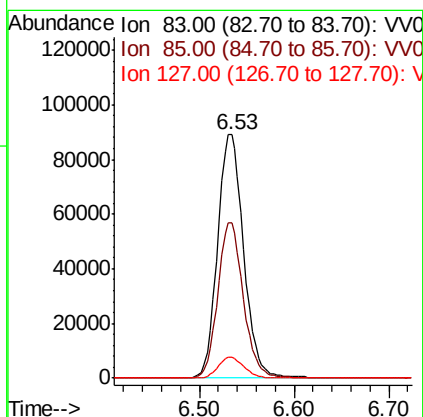
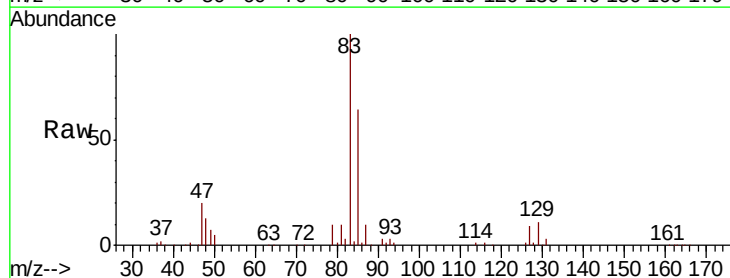
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

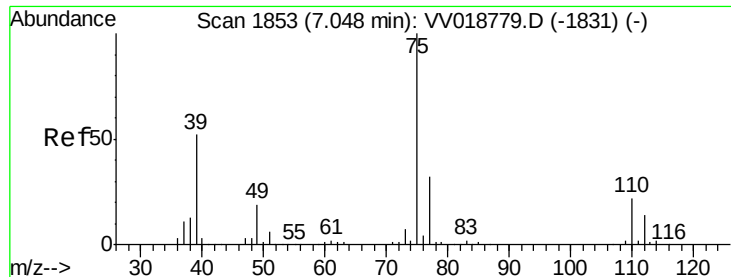
Tot Ion: 63 Resp: 131033
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 44.126 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

Tgt Ion: 83 Resp: 170044
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.7
 127 8.8 6.6 10.0

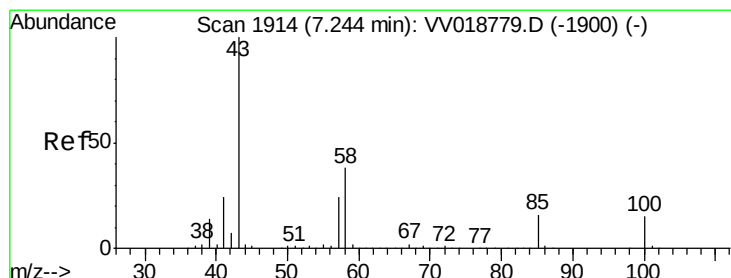
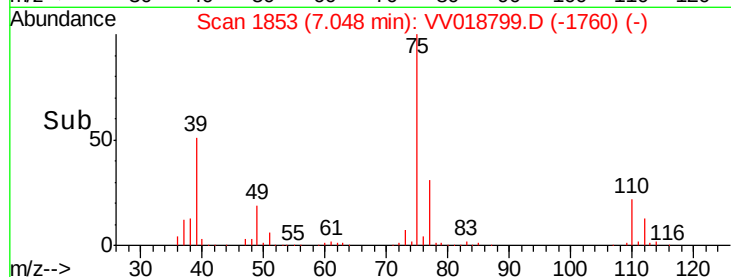
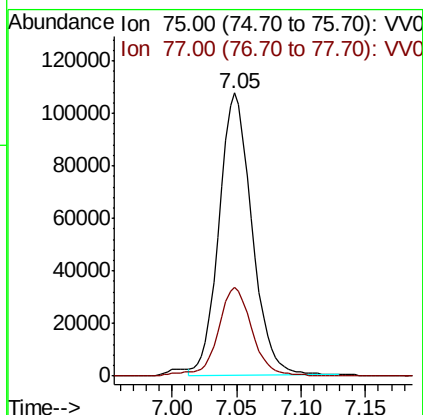
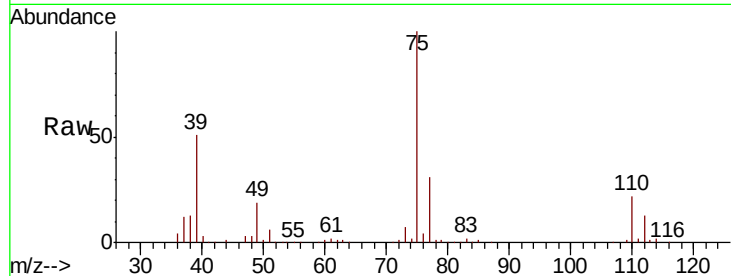




#39
 cis-1,3-Dichloropropene
 Concen: 44.293 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

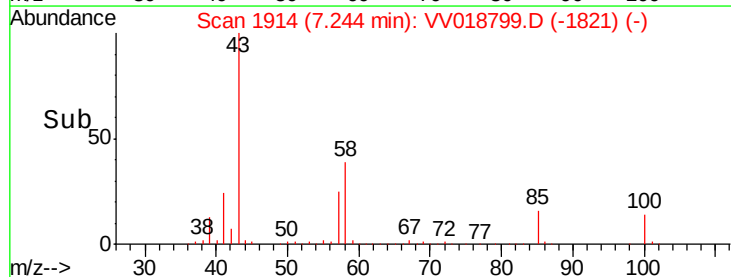
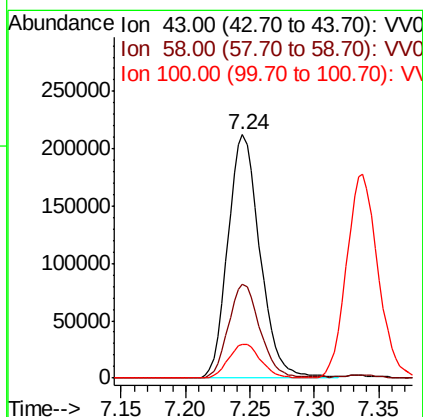
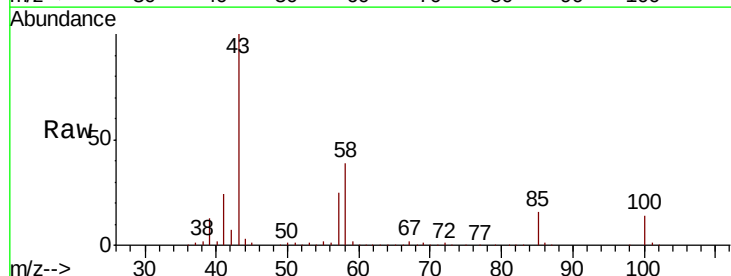
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

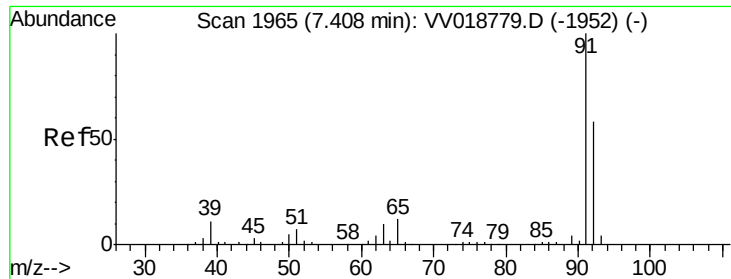
Tot Ion: 75 Resp: 189871
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 93.424 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

Tgt Ion: 43 Resp: 368396
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.4
 100 14.1 11.4 17.2





#42

Toluene

Concen: 45.388 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

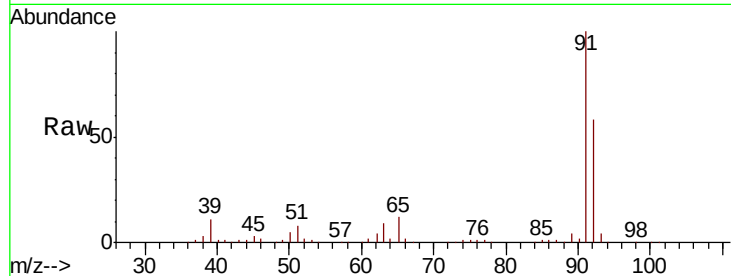
VSTD05081

Tot Ion: 91 Resp: 514986

Ion Ratio Lower Upper

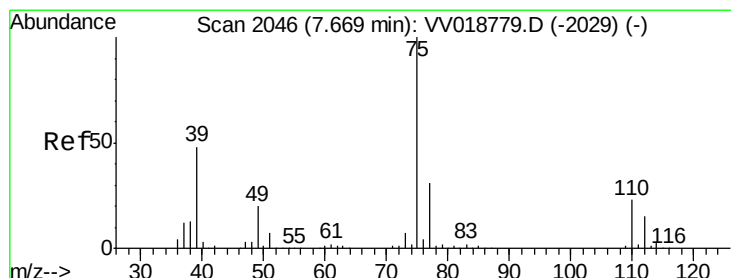
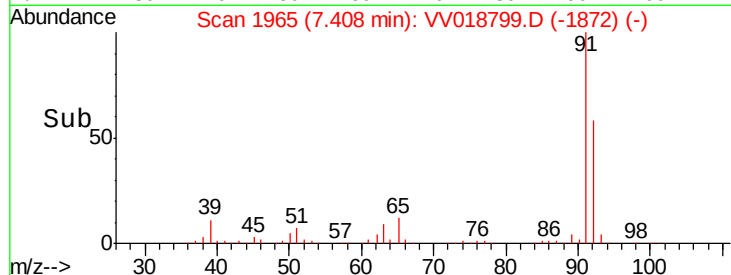
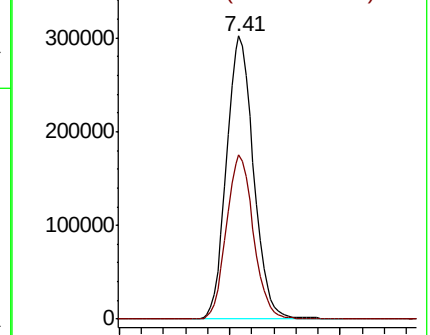
91 100

92 57.9 39.8 74.0



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: 43.669 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018799.D

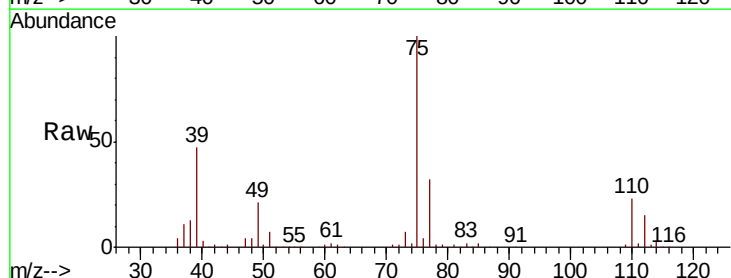
Acq: 09 Oct 2020 06:58

Tgt Ion: 75 Resp: 191825

Ion Ratio Lower Upper

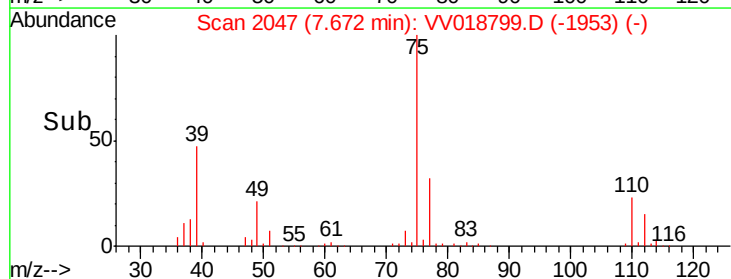
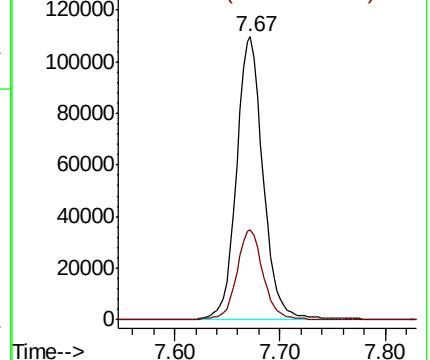
75 100

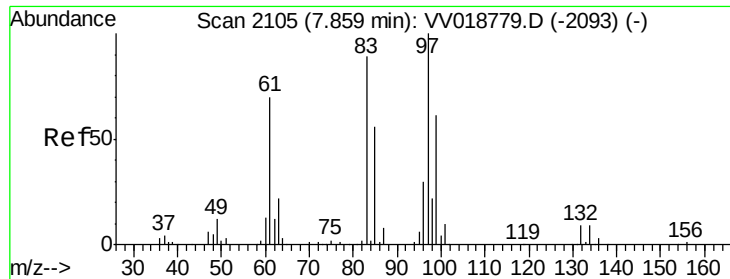
77 32.1 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

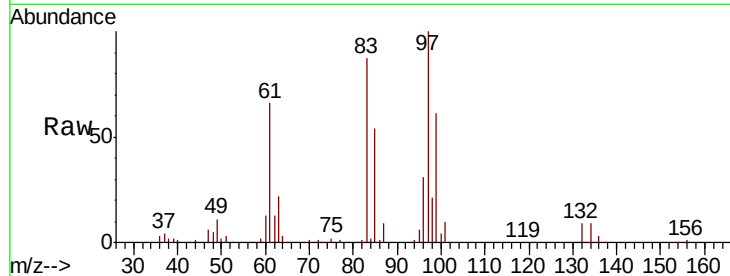




#45
 1,1,2-Trichloroethane
 Concen: 43.953 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion:	97	Resp:	119784
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.4	80.6
83	86.7	58.7	108.9
85	54.1	39.4	73.2



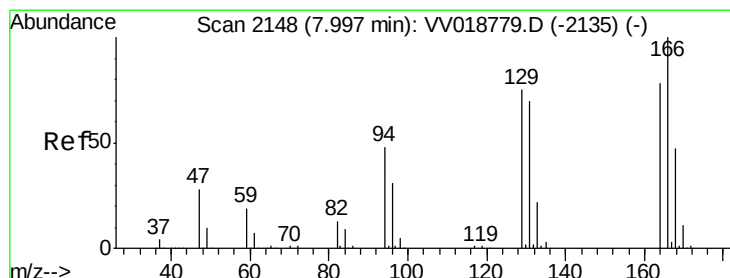
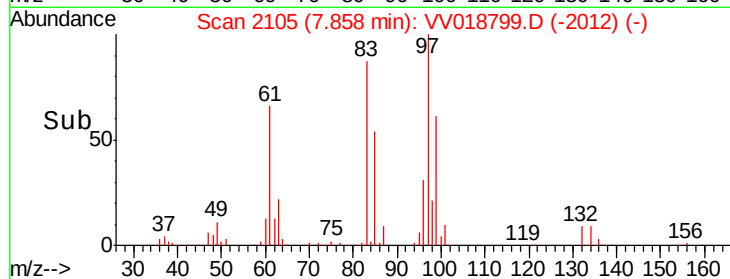
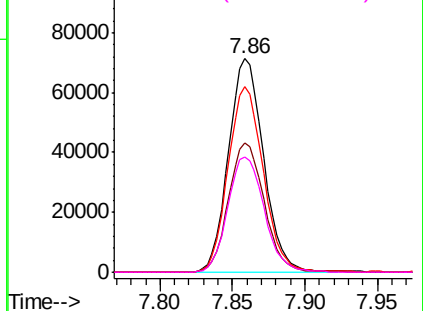
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

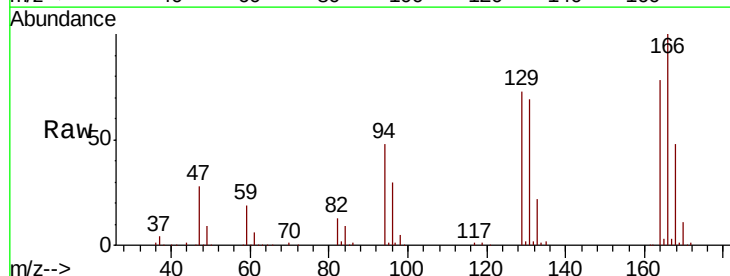
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 40.683 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

Tgt Ion:	164	Resp:	94793
Ion	Ratio	Lower	Upper
164	100		
129	93.6	64.6	120.0
131	89.2	63.6	118.0
166	128.7	88.3	164.1



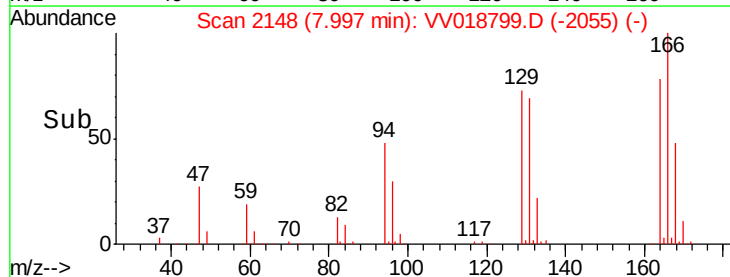
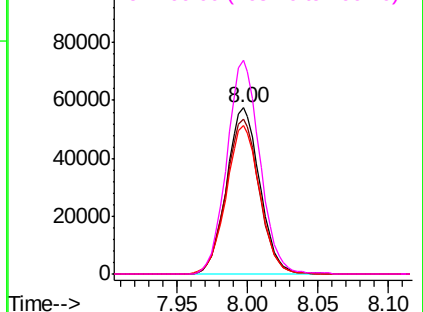
Abundance

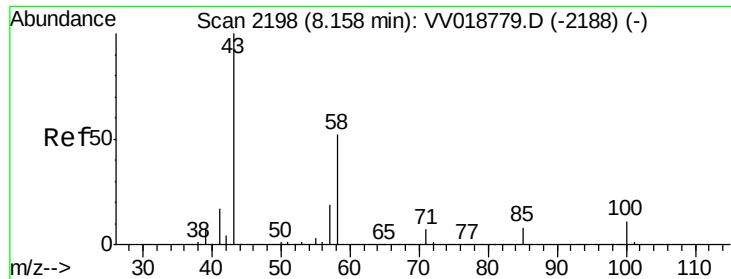
Ion 164.00 (163.70 to 164.70): V

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: 95.393 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

Tot Ion: 43 Resp: 296949

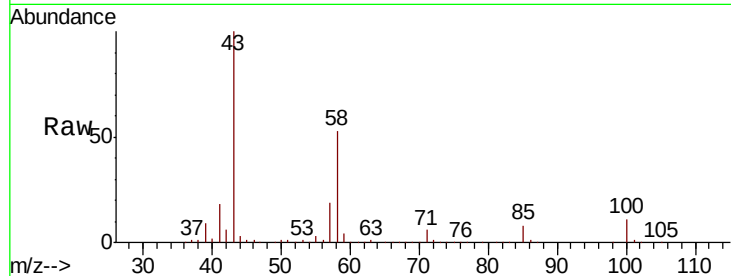
Ion Ratio Lower Upper

43 100

58 53.0 41.8 62.8

57 18.3 14.9 22.3

100 11.0 9.2 13.8

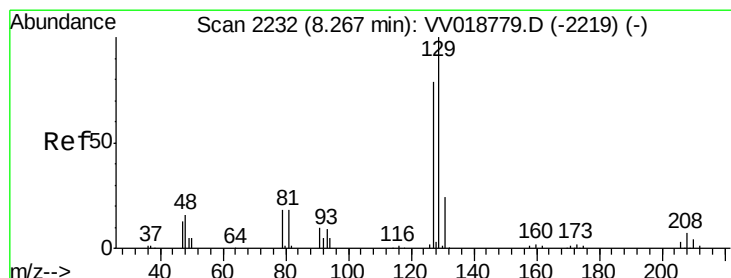
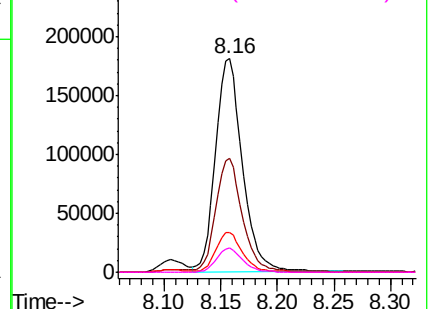
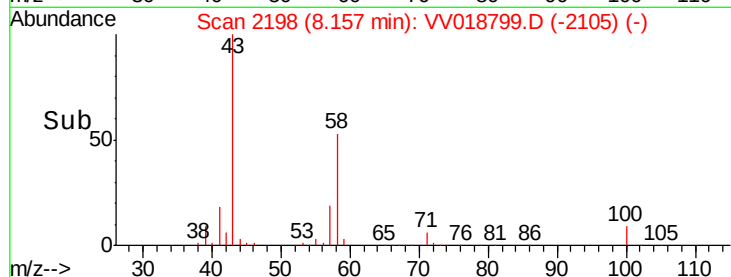


Abundance Ion 43.00 (42.70 to 43.70): VV018779.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV018779.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV018779.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV018779.D (-2188) (-)



#49

Dibromochloromethane

Concen: 45.564 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV018799.D

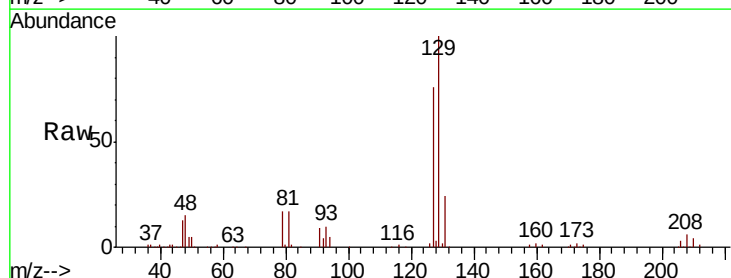
Acq: 09 Oct 2020 06:58

Tgt Ion: 129 Resp: 135722

Ion Ratio Lower Upper

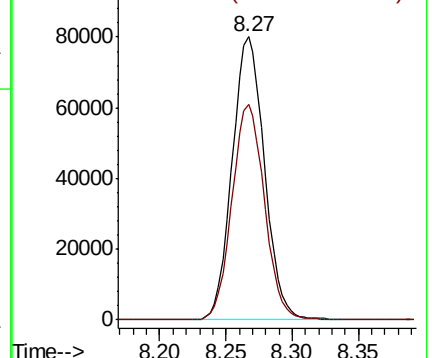
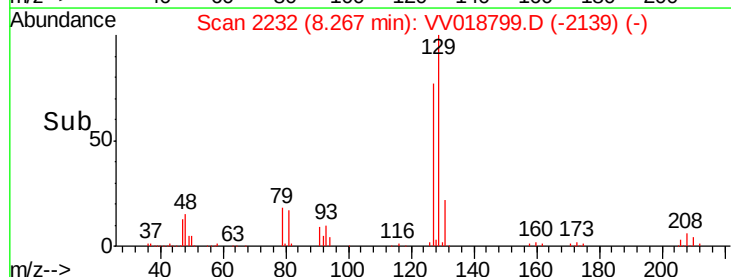
129 100

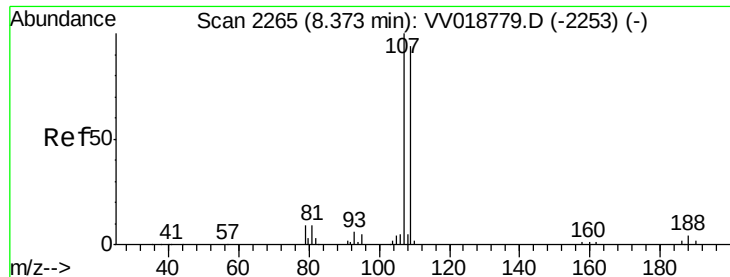
127 76.2 55.3 102.7



Abundance Ion 129.00 (128.70 to 129.70): VV018779.D (-2219) (-)

Ion 127.00 (126.70 to 127.70): VV018779.D (-2219) (-)

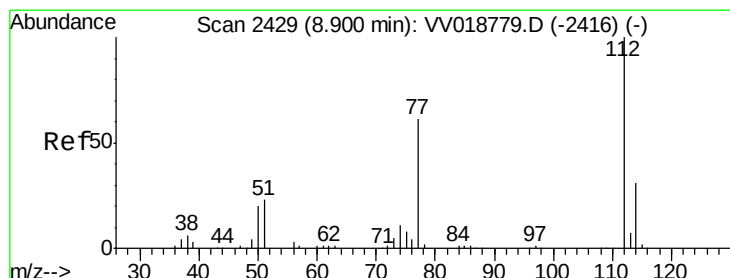
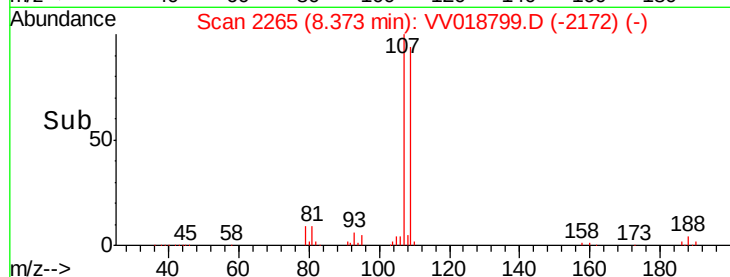
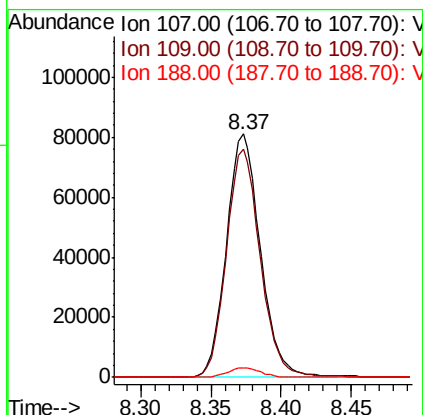
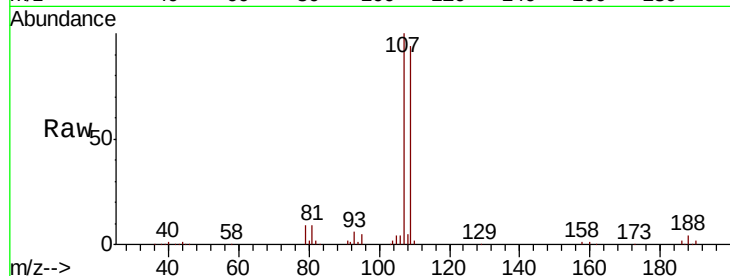




#50
1,2-Dibromoethane
Concen: 48.969 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018799.D
Acq: 09 Oct 2020 06:58

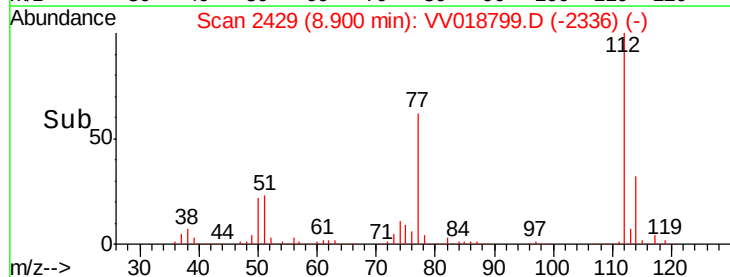
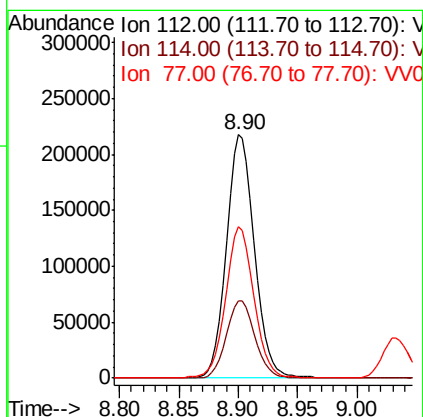
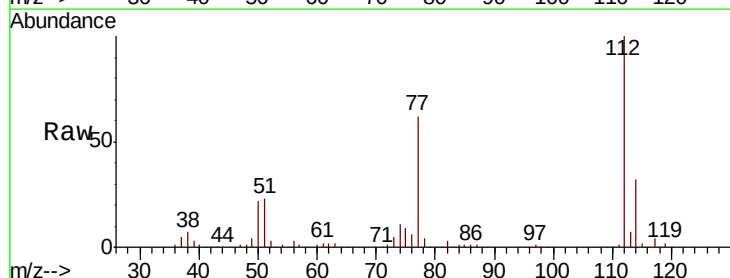
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

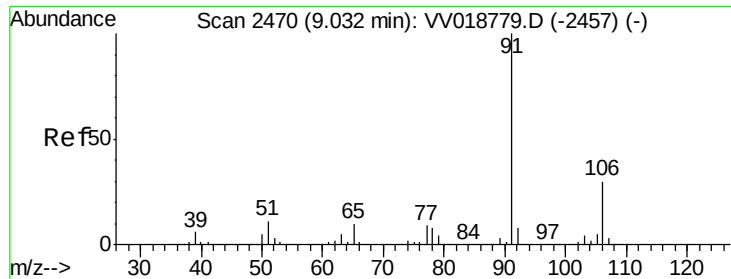
Tot Ion:107 Resp: 136490
Ion Ratio Lower Upper
107 100
109 93.8 66.4 123.2
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 47.200 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018799.D
Acq: 09 Oct 2020 06:58

Tgt Ion:112 Resp: 355448
Ion Ratio Lower Upper
112 100
114 31.7 22.0 41.0
77 62.3 49.8 74.6

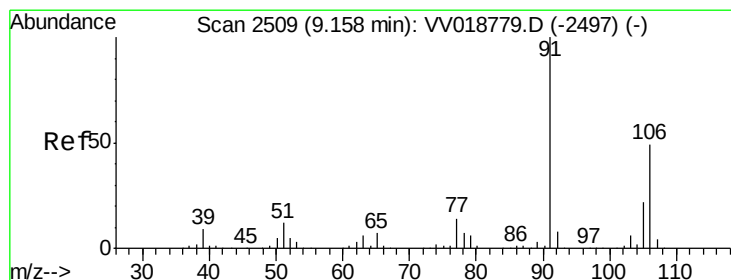
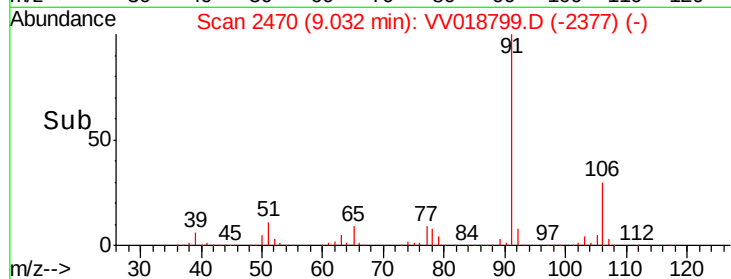
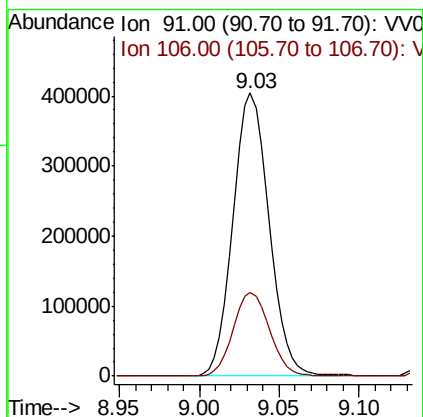
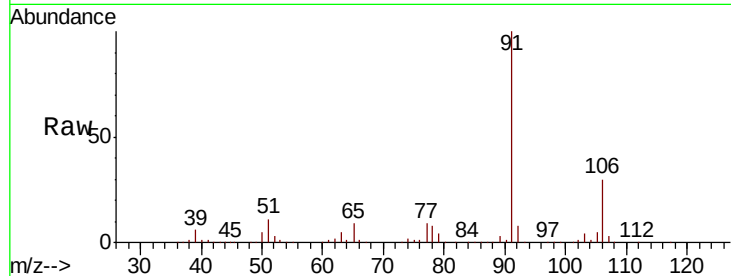




#52
Ethylbenzene
Concen: 48.148 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV018799.D
Acq: 09 Oct 2020 06:58

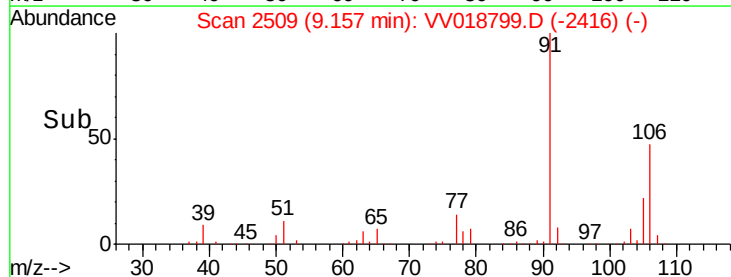
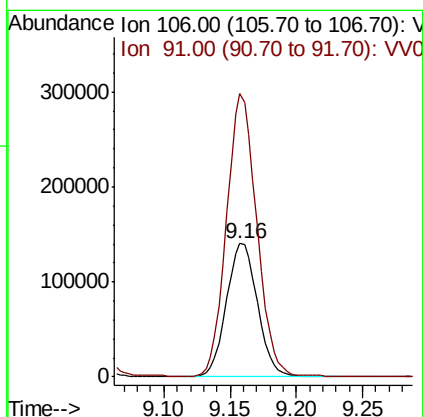
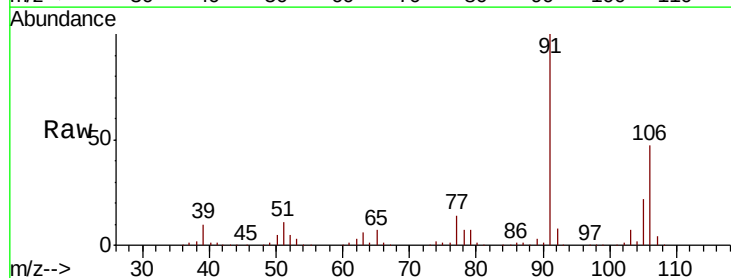
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

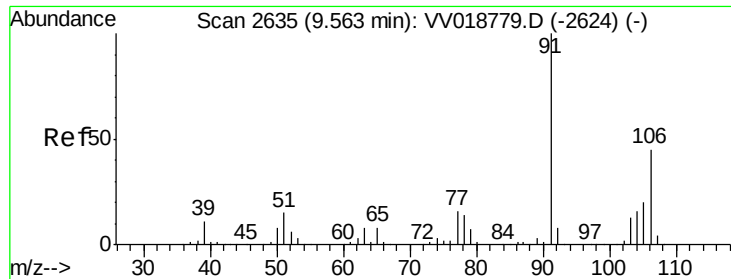
Tot Ion: 91 Resp: 620372
Ion Ratio Lower Upper
91 100
106 29.7 20.9 38.9



#53
m,p-Xylene
Concen: 48.249 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018799.D
Acq: 09 Oct 2020 06:58

Tgt Ion: 106 Resp: 228196
Ion Ratio Lower Upper
106 100
91 211.9 147.1 273.1





#54

o-xylene

Concen: 49.573 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

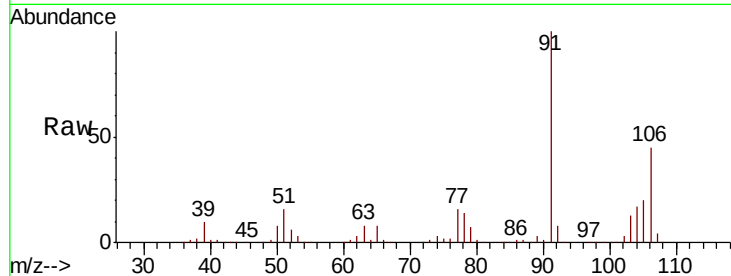
VSTD05081

Tot Ion:106 Resp: 222681

Ion Ratio Lower Upper

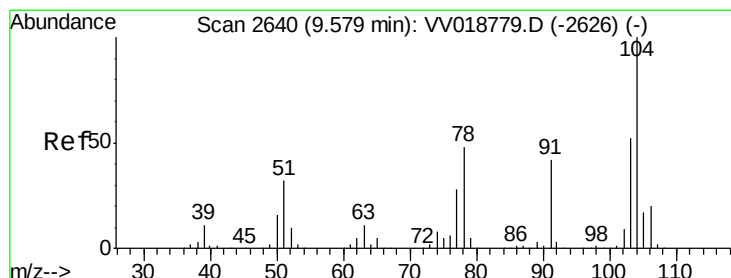
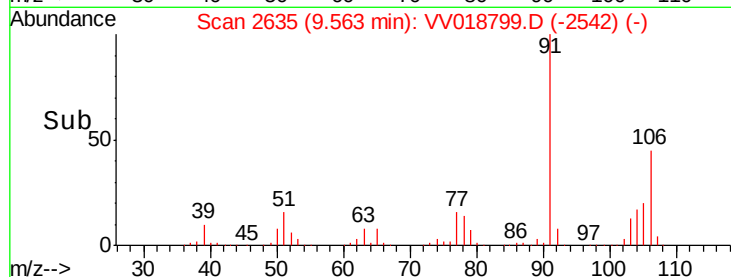
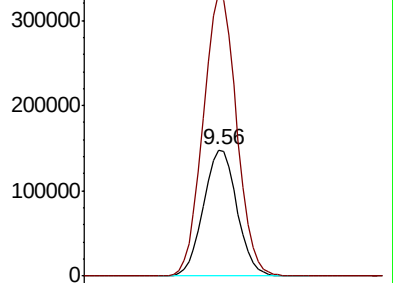
106 100

91 223.7 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.948 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018799.D

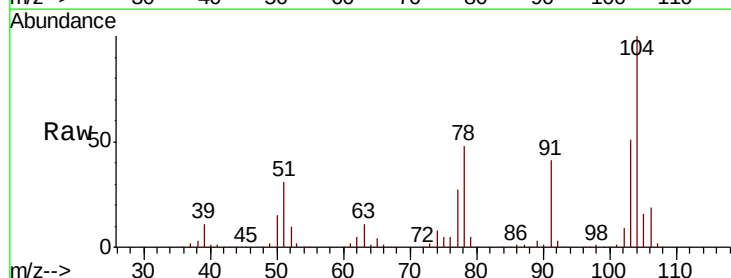
Acq: 09 Oct 2020 06:58

Tgt Ion:104 Resp: 397123

Ion Ratio Lower Upper

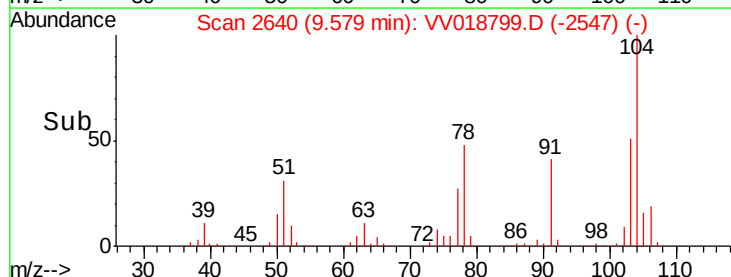
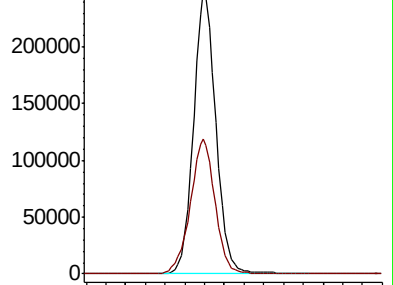
104 100

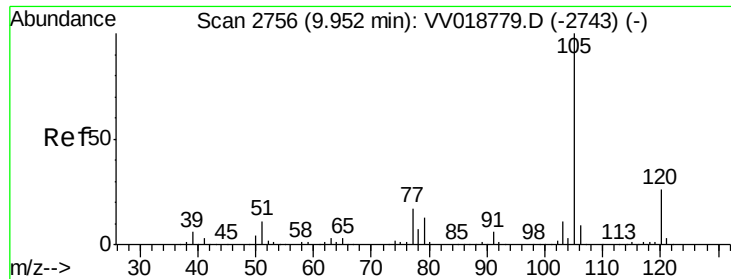
78 47.8 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 46.912 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

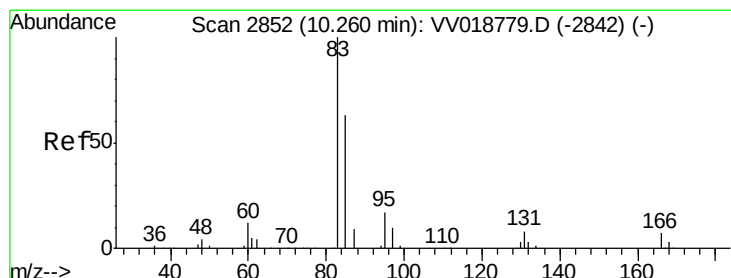
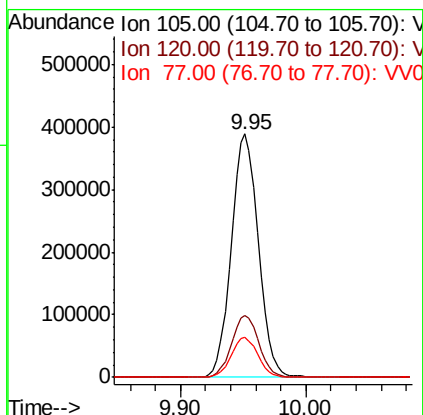
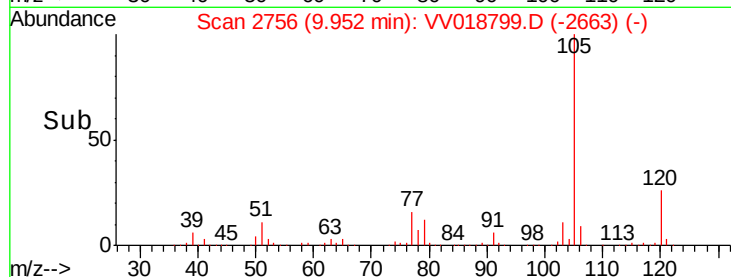
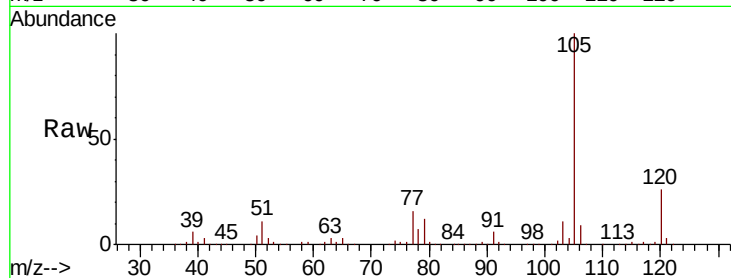
Tot Ion:105 Resp: 583072

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

77 16.3 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 44.555 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

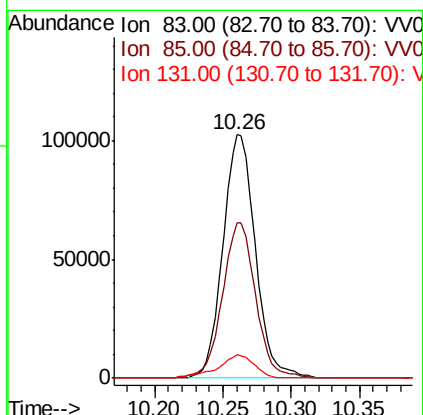
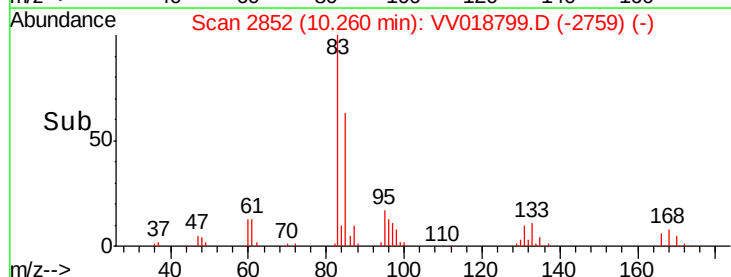
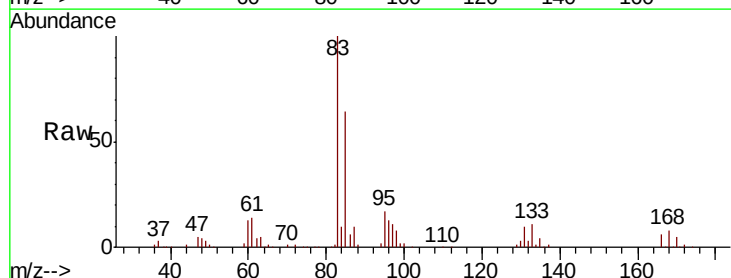
Tgt Ion: 83 Resp: 169376

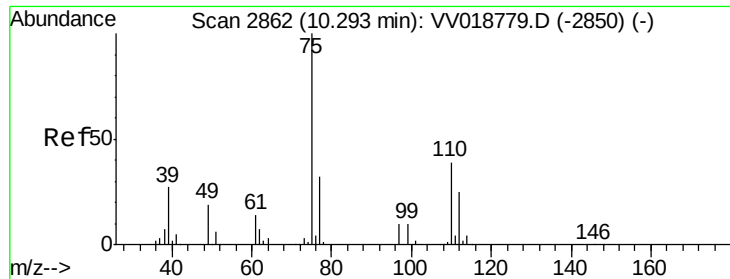
Ion Ratio Lower Upper

83 100

85 63.8 44.5 82.7

131 9.5 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 43.156 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

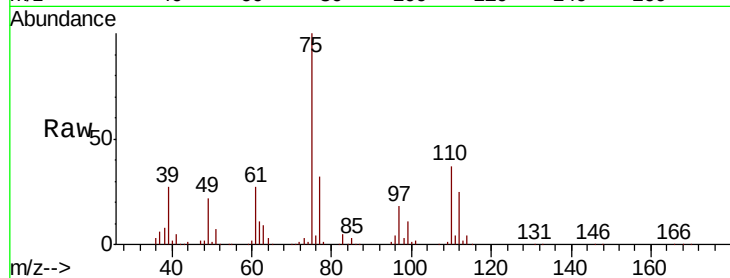
VSTD05081

Tot Ion: 75 Resp: 155819

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV018779.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018779.D (-2850) (-)

10.29

100000

80000

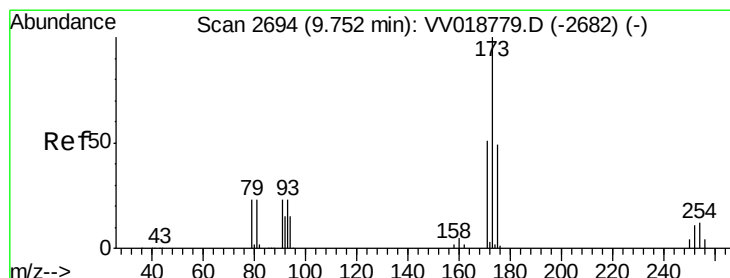
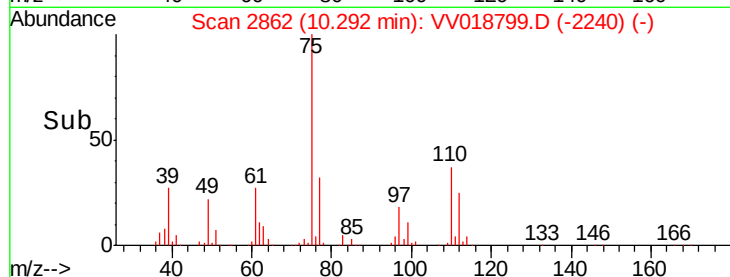
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 54.626 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

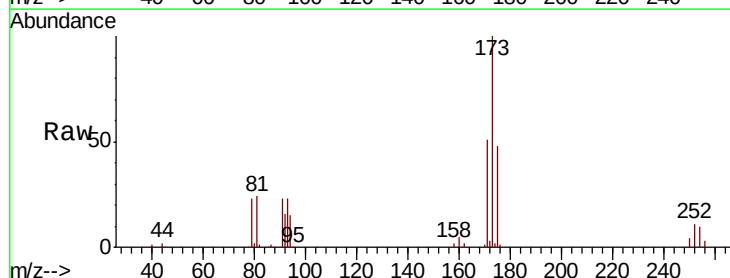
Tgt Ion: 173 Resp: 99561

Ion Ratio Lower Upper

173 100

175 48.0 38.7 58.1

254 10.4 8.2 12.4



Abundance Ion 173.00 (172.70 to 173.70): VV018779.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018779.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018779.D (-2682) (-)

9.75

80000

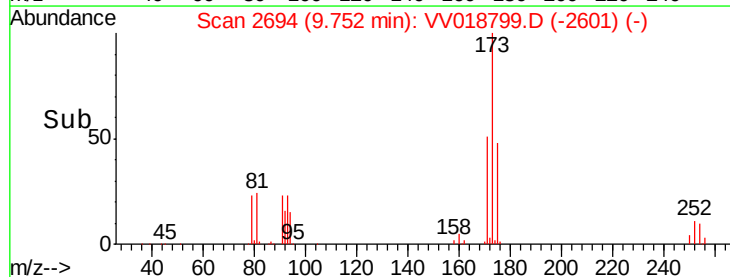
60000

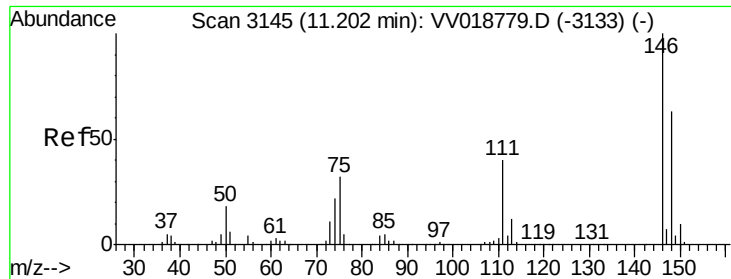
40000

20000

0

Time-->

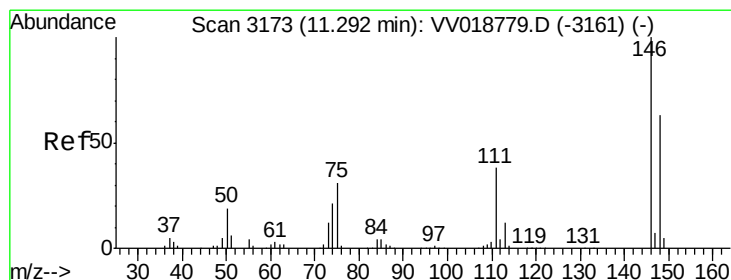
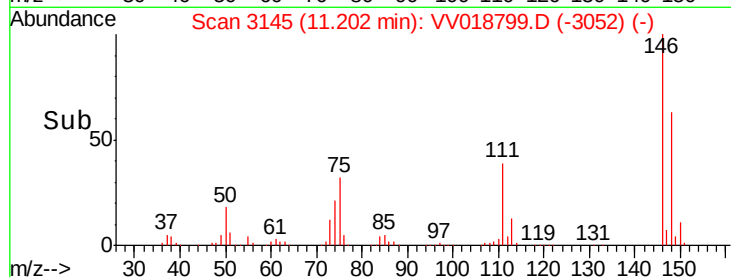
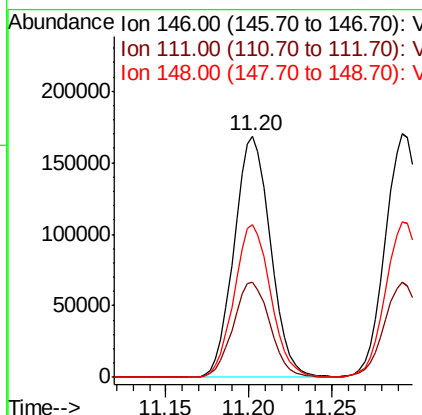
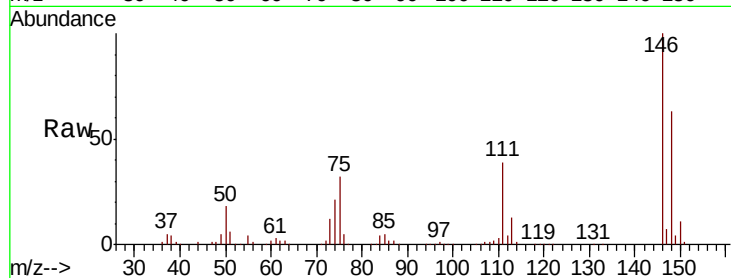




#62
 1,3-Dichlorobenzene
 Concen: 48.145 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

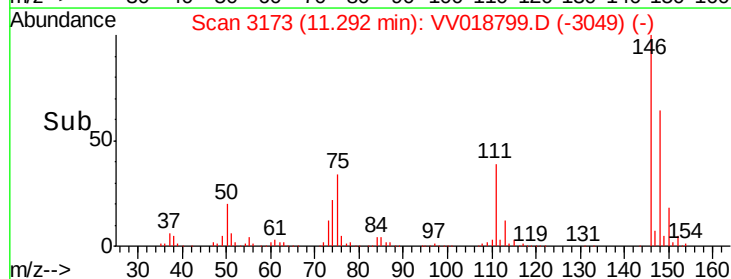
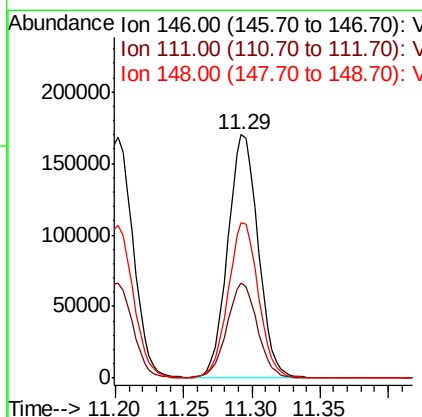
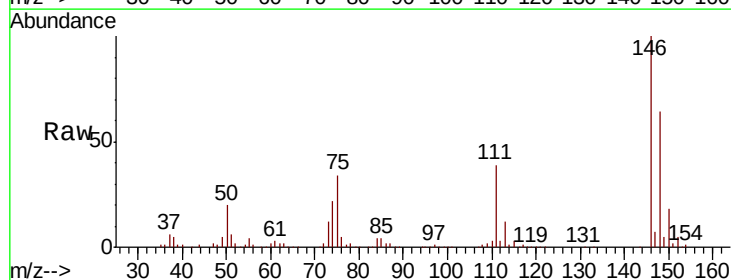
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

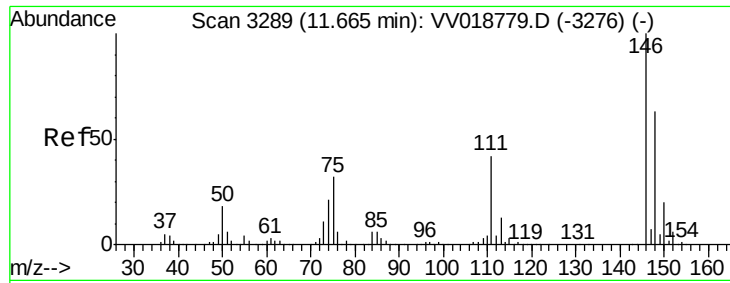
Tot Ion:146 Resp: 257843
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.8 51.6
 148 63.4 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 47.419 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

Tgt Ion:146 Resp: 264169
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.1 50.3
 148 63.9 45.4 84.4

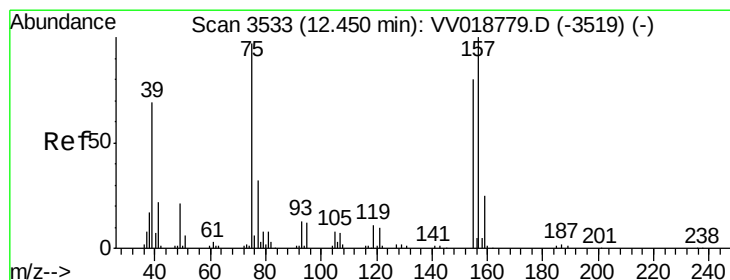
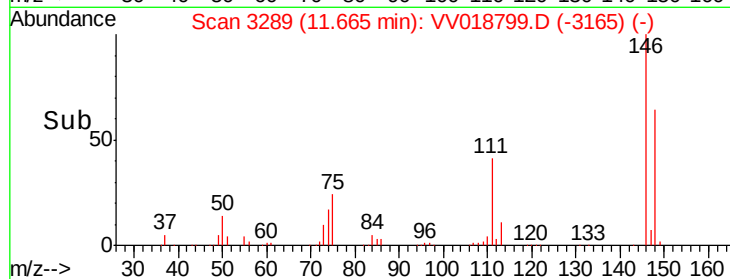
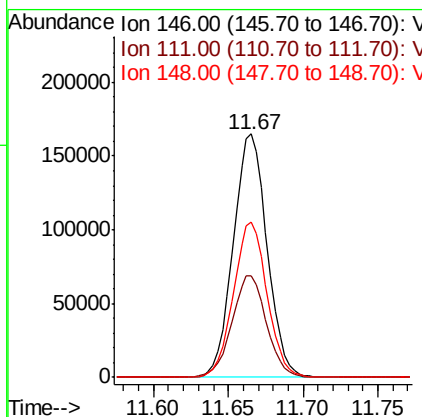
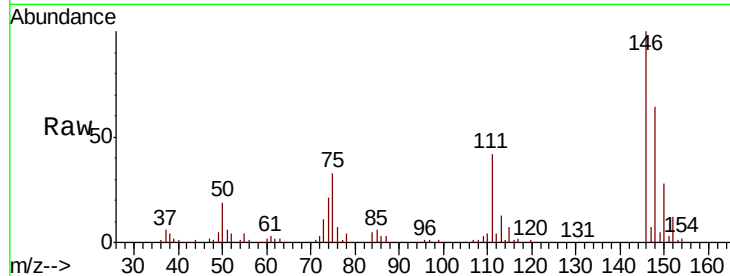




#65
 1,2-Dichlorobenzene
 Concen: 48.177 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

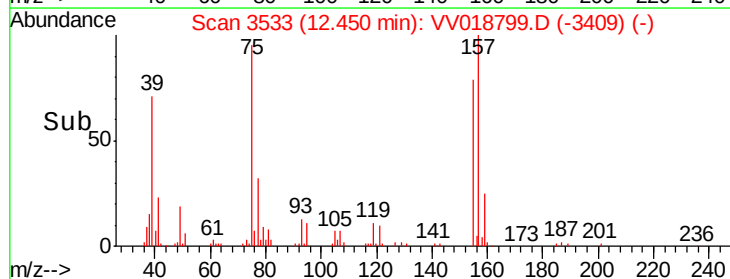
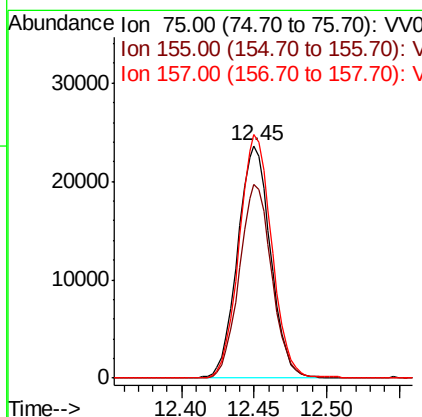
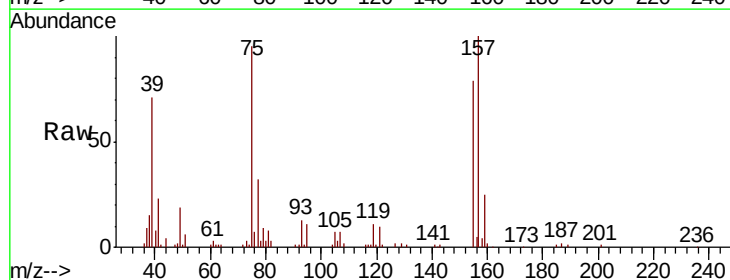
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

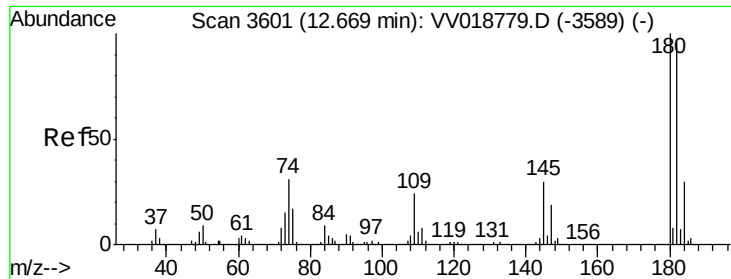
Tot Ion:146 Resp: 259028
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.8 50.6
 148 63.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.200 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

Tgt Ion: 75 Resp: 37231
 Ion Ratio Lower Upper
 75 100
 155 83.2 65.8 98.8
 157 104.8 83.0 124.6

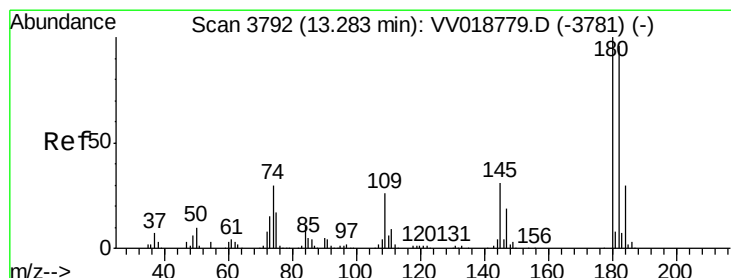
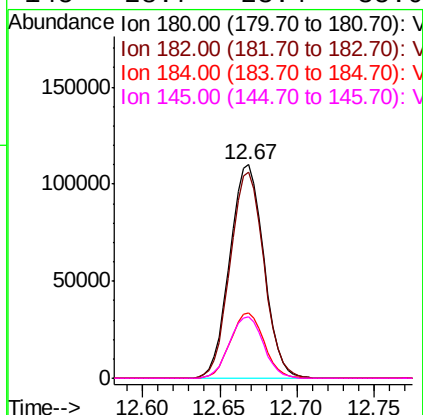
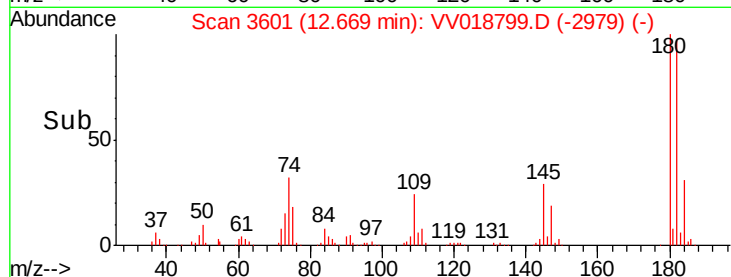
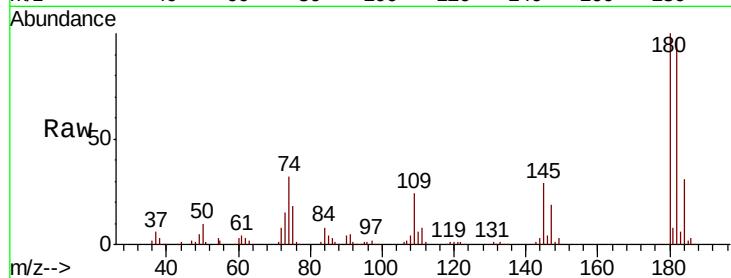




#67
 1,3,5-Trichlorobenzene
 Concen: 48.430 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

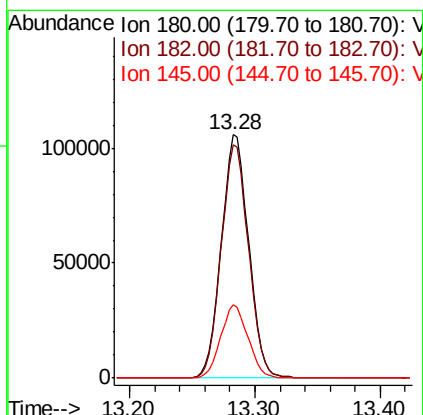
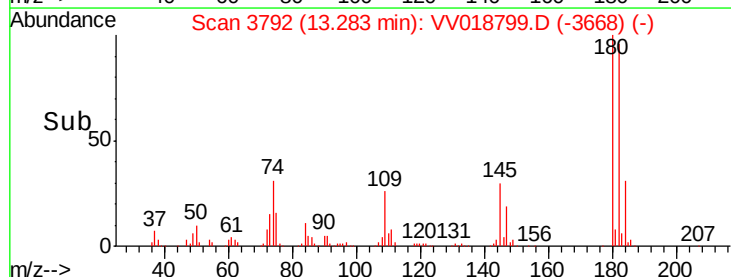
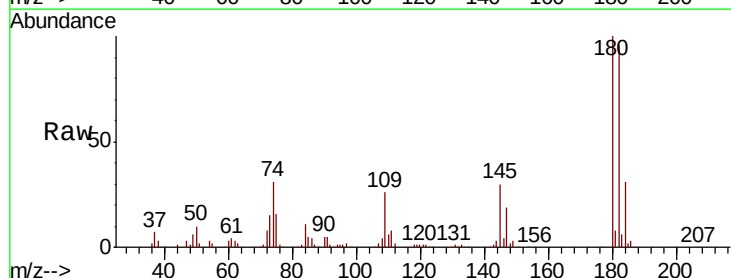
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

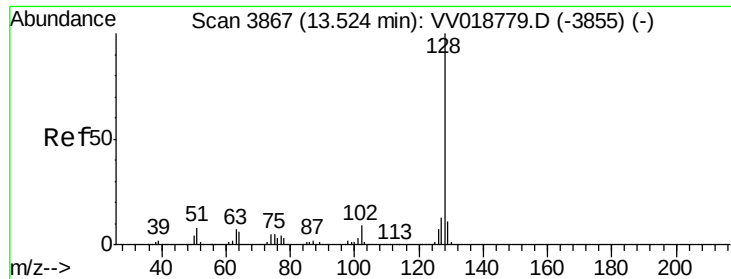
Tot Ion:180	Resp:	167997
Ion	Ratio	Lower Upper
180	100	
182	95.5	77.0 115.6
184	30.4	24.6 37.0
145	28.7	23.4 35.0



#68
 1,2,4-trichlorobenzene
 Concen: 49.015 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018799.D
 Acq: 09 Oct 2020 06:58

Tgt Ion:180	Resp:	159882
Ion	Ratio	Lower Upper
180	100	
182	96.0	76.7 115.1
145	30.1	24.0 36.0





#69

Naphthalene

Concen: 54.678 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

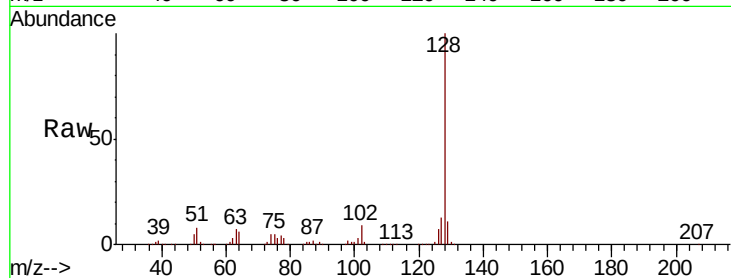
Tot Ion:128 Resp: 502519

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

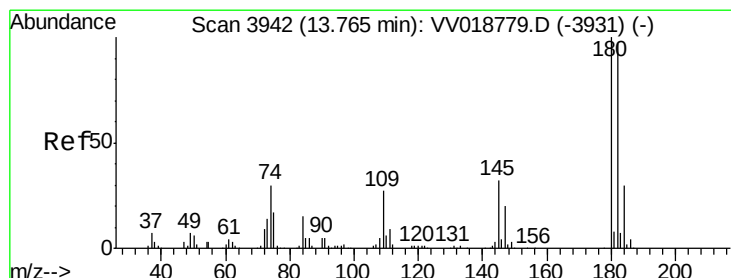
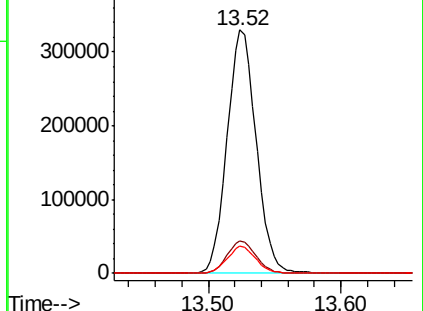
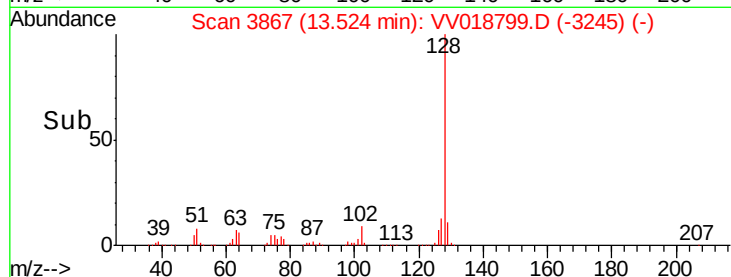
129 10.9 8.6 13.0



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: 50.586 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018799.D

Acq: 09 Oct 2020 06:58

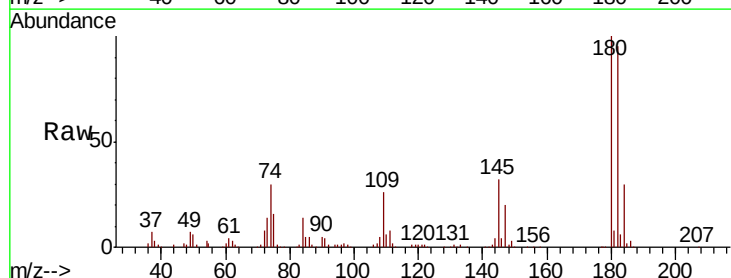
Tgt Ion:180 Resp: 163797

Ion Ratio Lower Upper

180 100

182 96.4 75.9 113.9

145 31.9 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

