

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101220\
 Data File : VV018867.D
 Acq On : 12 Oct 2020 19:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Quant Time: Oct 13 01:13:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 13 01:02:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	322619	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	315594	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	171289	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112801	38.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.96%
7) Chloroethane-d5	1.58	69	95253	40.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.74%
11) 1,1-Dichloroethene-d2	2.12	63	239235	42.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.66%
21) 2-Butanone-d5	3.90	46	194103	107.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.84%
24) Chloroform-d	4.38	84	235081	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.90%
26) 1,2-Dichloroethane-d4	5.06	65	148244	42.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.56%
32) Benzene-d6	5.07	84	410804	40.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.90%
36) 1,2-Dichloropropane-d6	6.09	67	133674	40.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.72%
41) Toluene-d8	7.34	98	409196	45.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.78%
43) trans-1,3-Dichloropropene-	7.64	79	71261	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.04%
47) 2-Hexanone-d5	8.11	63	120404	103.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.73%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	168799	44.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	156344	41.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	137087	65.828	ug/L 99
3) Chloromethane	1.25	50	155269	56.831	ug/L 100
5) Vinyl chloride	1.32	62	155071	54.438	ug/L 98
6) Bromomethane	1.53	94	89117	53.086	ug/L 99
8) Chloroethane	1.59	64	96370	51.672	ug/L 99
9) Trichlorofluoromethane	1.76	101	212907	51.122	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	113853	49.097	ug/L 100
12) 1,1-Dichloroethene	2.13	96	111405	49.894	ug/L 92
13) Acetone	2.18	43	138663	92.432	ug/L 99
14) Carbon disulfide	2.31	76	344086	52.059	ug/L 100
15) Methyl Acetate	2.44	43	149064	50.864	ug/L 100
16) Methylene chloride	2.52	84	127646	46.439	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	111049	47.117	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	369675	46.776	ug/L 99
19) 1,1-Dichloroethane	3.21	63	224639	48.566	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	129136	51.844	ug/L 99
22) 2-Butanone	3.99	43	200862	114.268	ug/L 97

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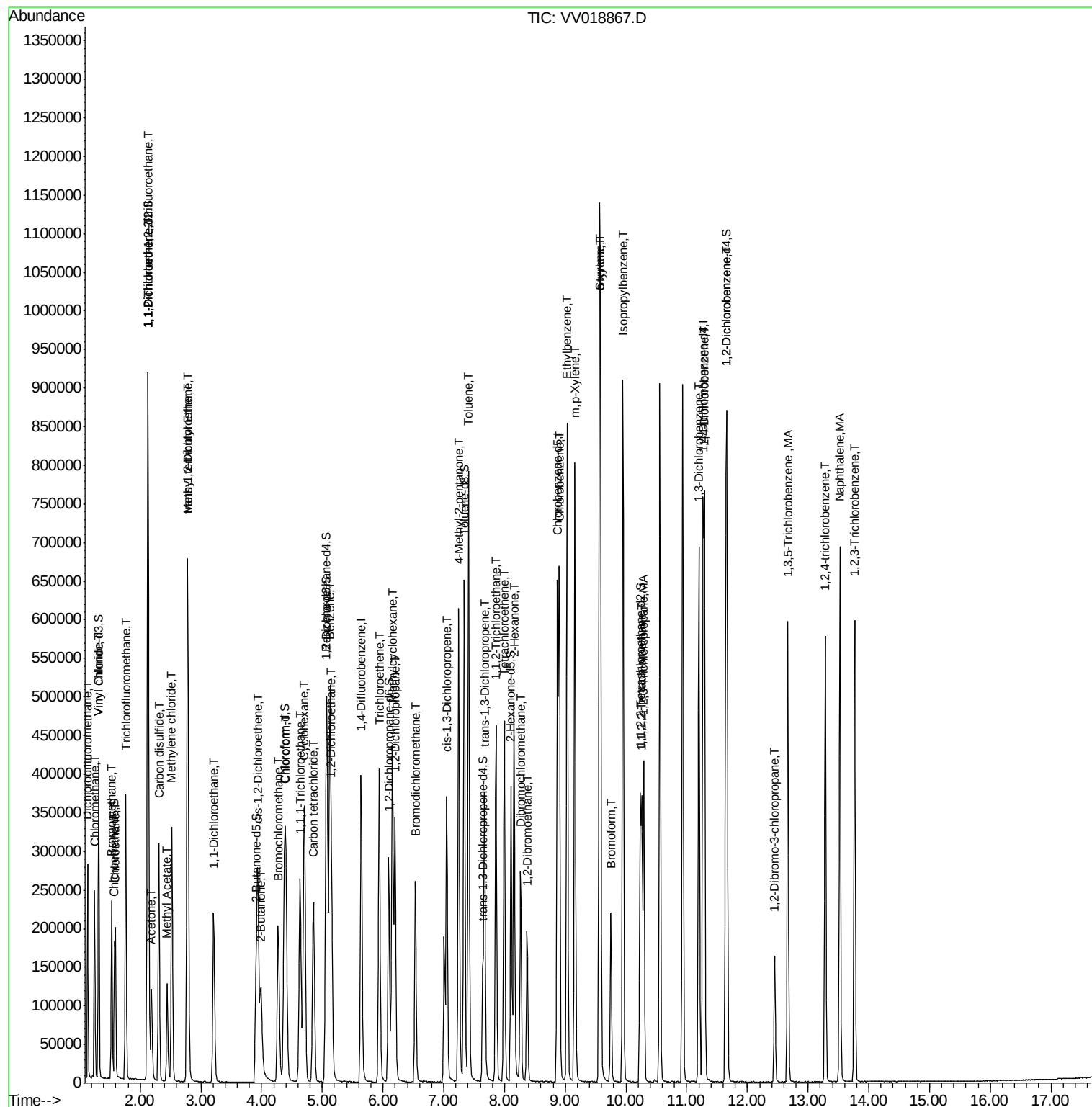
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	67514	52.280	ug/L	98
25) Chloroform	4.40	83	241876	50.952	ug/L	99
27) 1,2-Dichloroethane	5.15	62	188470	48.800	ug/L	99
29) Cyclohexane	4.70	56	194124	50.792	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	209075	49.706	ug/L	100
31) Carbon tetrachloride	4.86	117	172801	48.743	ug/L	97
33) Benzene	5.13	78	481318	48.072	ug/L	100
34) Trichloroethene	5.94	95	134767	46.767	ug/L	99
35) Methylcyclohexane	6.15	83	169565	48.090	ug/L	99
37) 1,2-Dichloropropane	6.20	63	127846	46.484	ug/L	99
38) Bromodichloromethane	6.53	83	171413	49.075	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	206182	53.066	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	407077	113.895	ug/L	100
42) Toluene	7.41	91	539602	52.469	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	205288	51.561	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	133023	53.852	ug/L	98
46) Tetrachloroethene	8.00	164	103278	48.903	ug/L	99
48) 2-Hexanone	8.16	43	303214	107.466	ug/L	99
49) Dibromochloromethane	8.27	129	133005	49.263	ug/L	98
50) 1,2-Dibromoethane	8.37	107	124615	49.325	ug/L	99
51) Chlorobenzene	8.90	112	325143	47.635	ug/L	99
52) Ethylbenzene	9.03	91	564338	48.322	ug/L	99
53) m,p-Xylene	9.16	106	210707	49.152	ug/L	97
54) o-xylene	9.56	106	204193	50.152	ug/L	98
55) Styrene	9.58	104	366043	50.794	ug/L	99
56) Isopropylbenzene	9.95	105	541703	48.085	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	167621	48.647	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	158049	48.295	ug/L	99
61) Bromoform	9.75	173	94905	49.937	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	265592	47.560	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	275476	47.422	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	263967	47.083	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	40180	51.955	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	176264	48.731	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	166658	48.998	ug/L	99
69) Naphthalene	13.52	128	503333	52.522	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	174192	51.591	ug/L	100

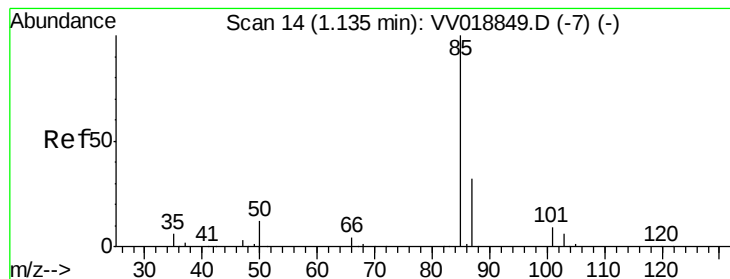
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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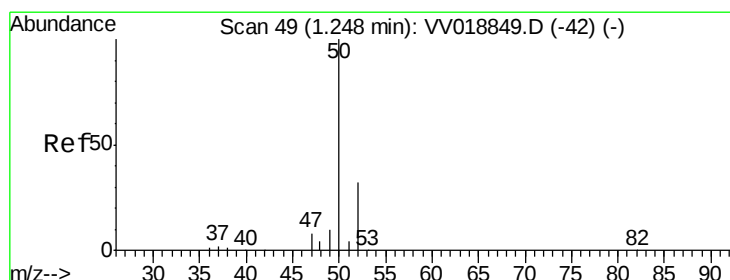
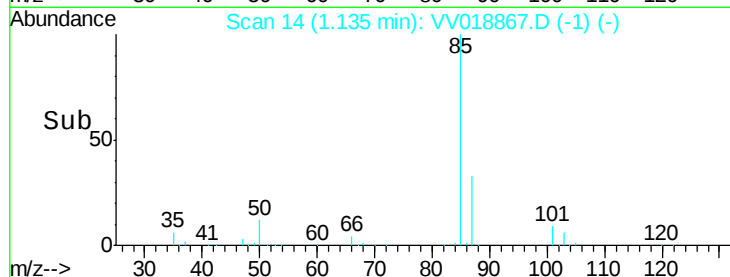
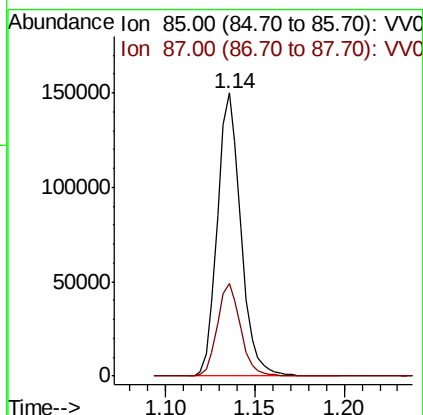
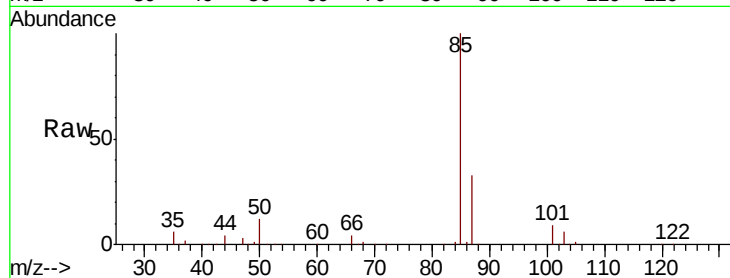




#2
 Dichlorodifluoromethane
 Concen: 65.828 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

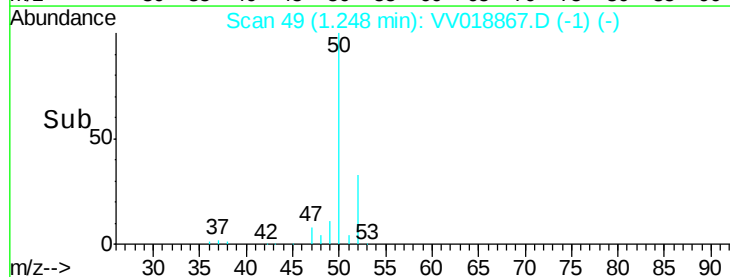
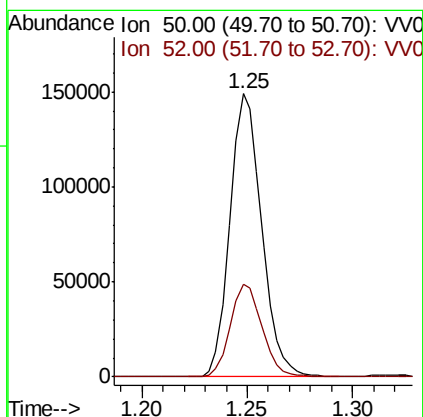
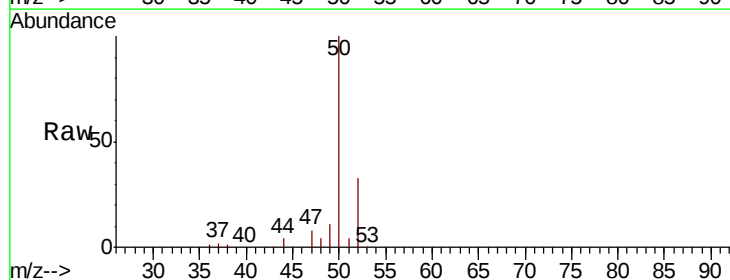
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

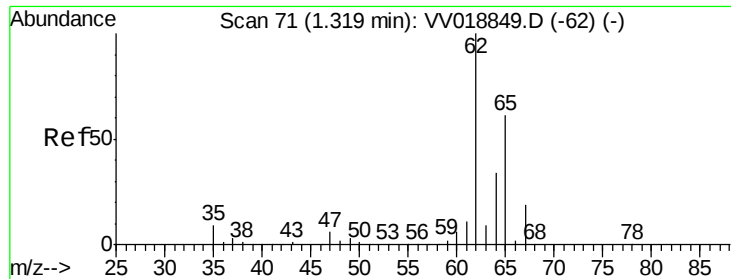
Tot Ion: 85 Resp: 137087
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.5 38.3



#3
 Chloromethane
 Concen: 56.831 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

Tgt Ion: 50 Resp: 155269
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.7 42.1





#5

Vinyl chloride

Concen: 54.438 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

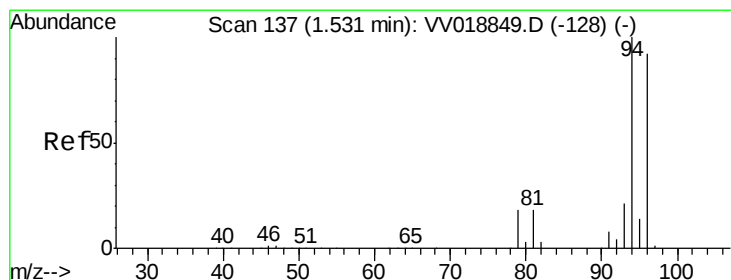
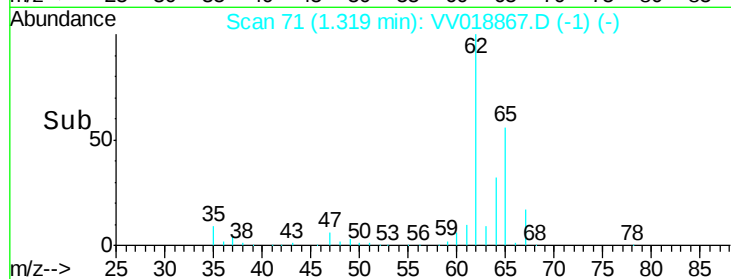
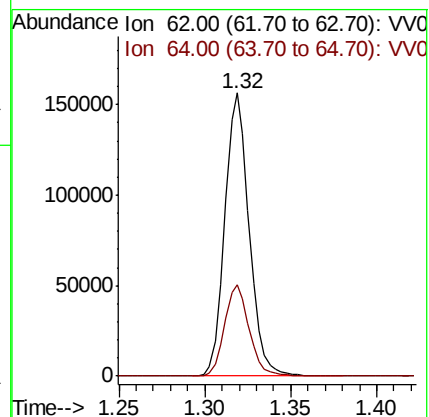
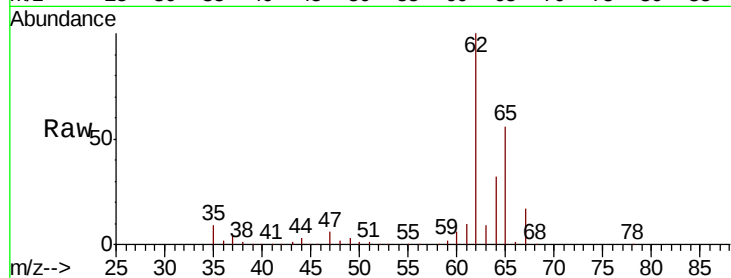
VSTD05086

Tot Ion: 62 Resp: 155071

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.0



#6

Bromomethane

Concen: 53.086 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018867.D

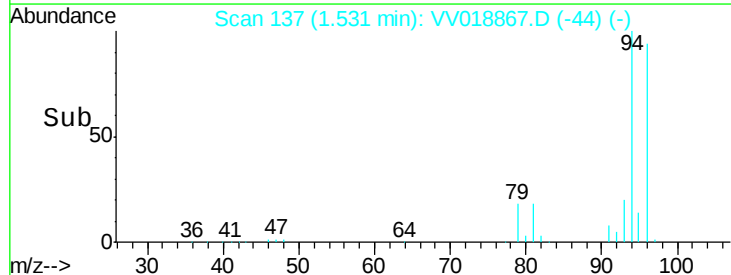
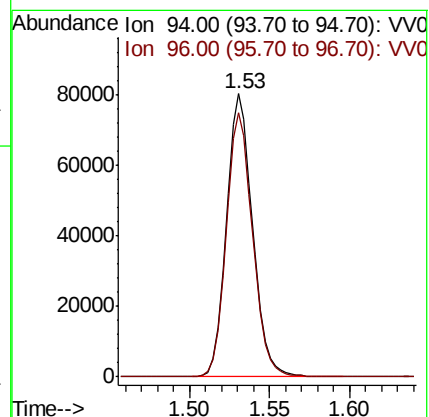
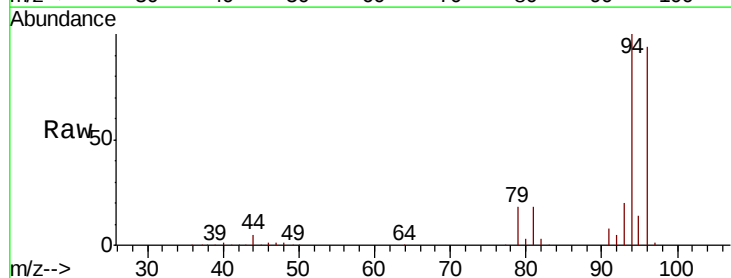
Acq: 12 Oct 2020 19:28

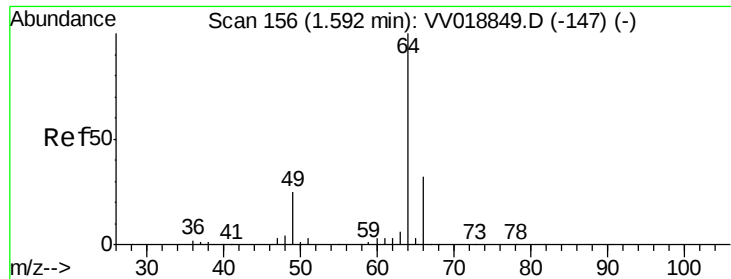
Tgt Ion: 94 Resp: 89117

Ion Ratio Lower Upper

94 100

96 93.5 66.2 123.0





#8

Chloroethane

Concen: 51.672 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

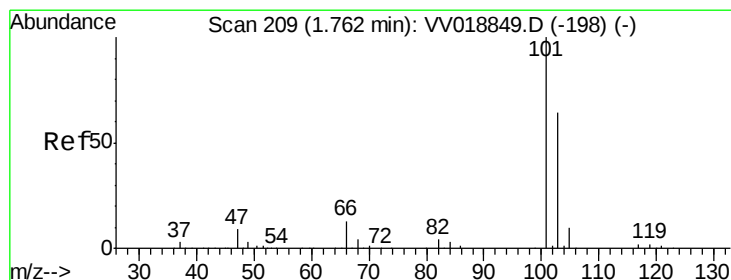
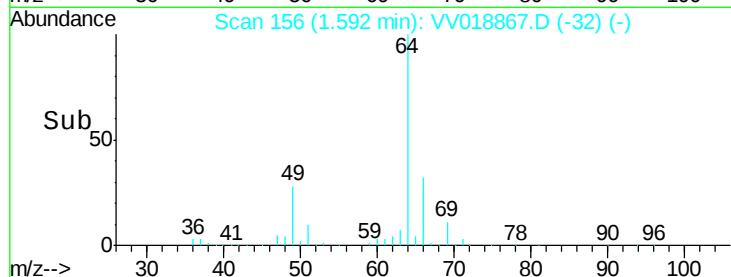
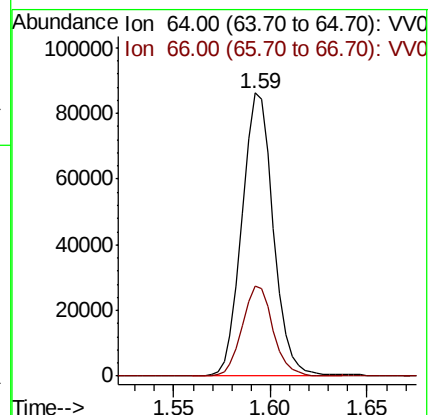
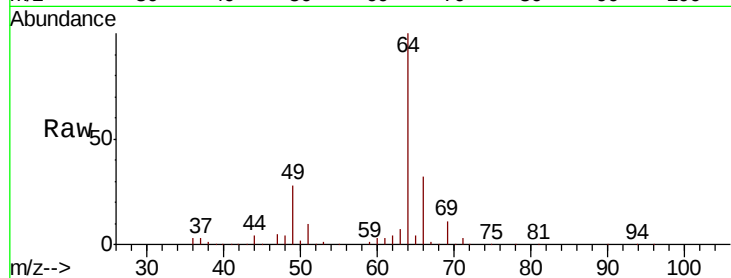
VSTD05086

Tot Ion: 64 Resp: 96370

Ion Ratio Lower Upper

64 100

66 31.7 21.7 40.3



#9

Trichlorofluoromethane

Concen: 51.122 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV018867.D

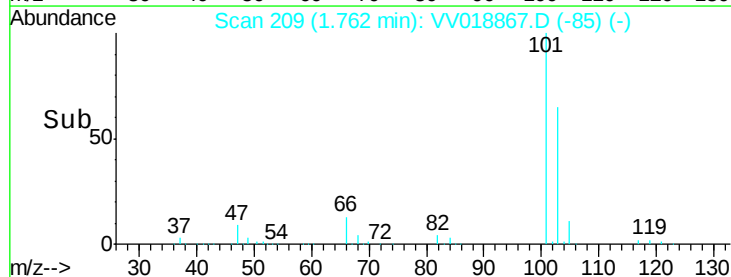
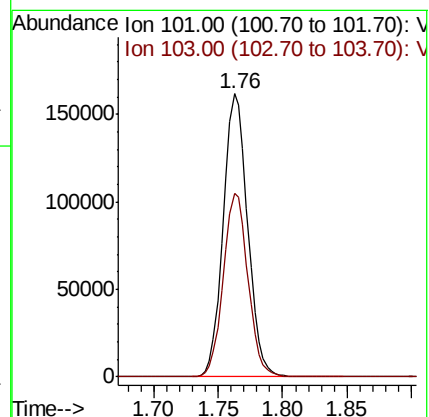
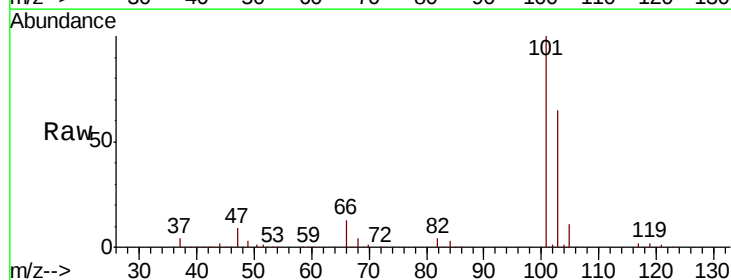
Acq: 12 Oct 2020 19:28

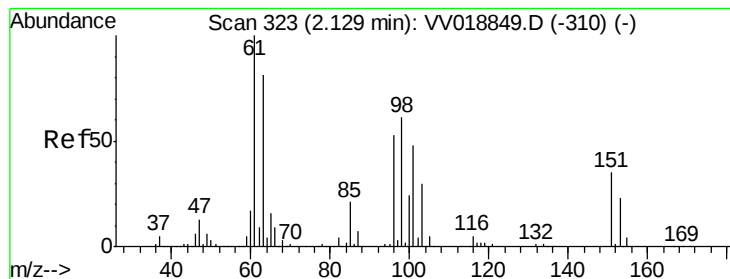
Tgt Ion: 101 Resp: 212907

Ion Ratio Lower Upper

101 100

103 65.5 51.6 77.4





#10

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

Concen: 49.097 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

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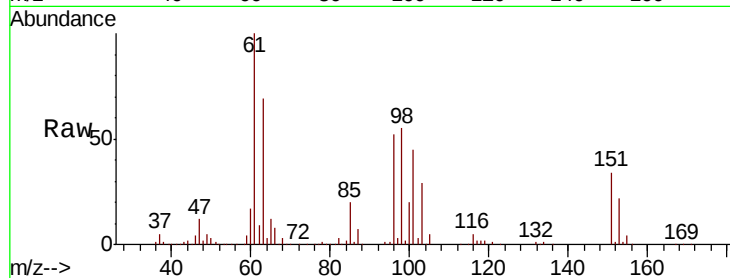
Tot Ion:101 Resp: 113853

Ion Ratio Lower Upper

101 100

85 44.4 35.9 53.9

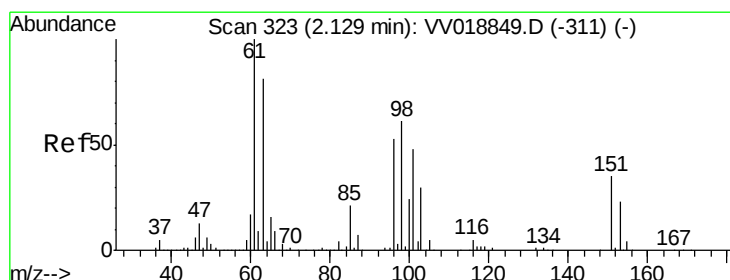
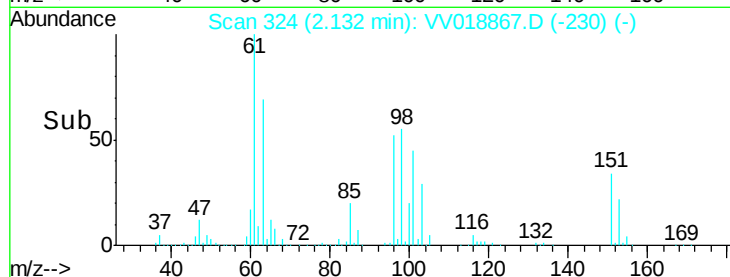
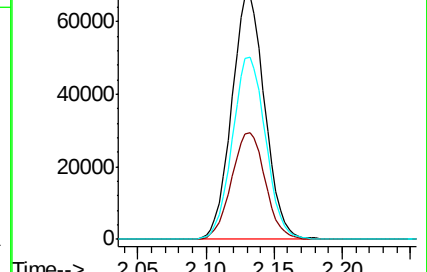
151 74.7 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV018867.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018867.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018867.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 49.894 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

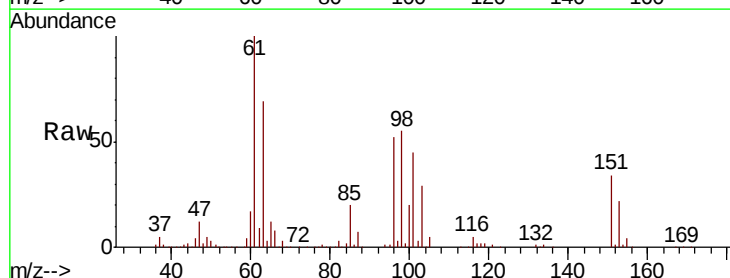
Tgt Ion: 96 Resp: 111405

Ion Ratio Lower Upper

96 100

61 192.9 133.6 248.0

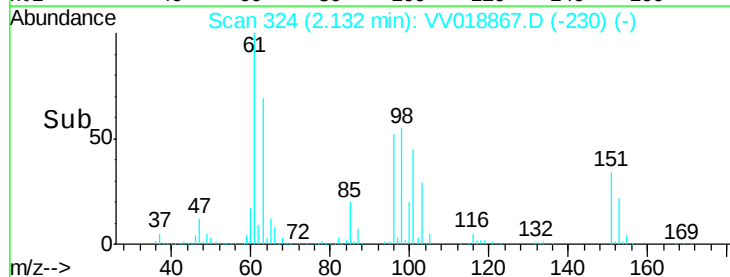
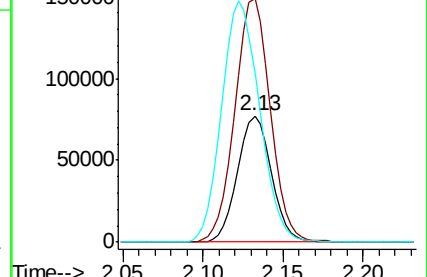
63 134.0 108.4 201.4

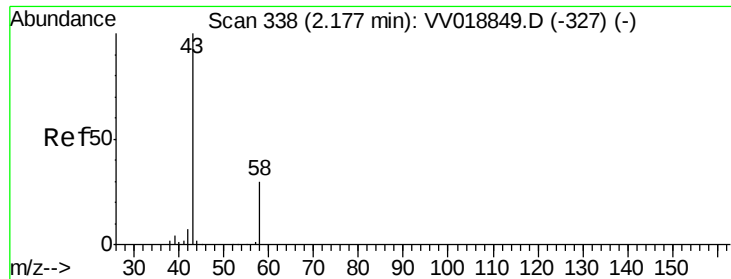


Abundance Ion 96.00 (95.70 to 96.70): VV018867.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV018867.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV018867.D (-230) (-)





#13

Acetone

Concen: 92.432 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.01 min

Lab File: VV018867.D

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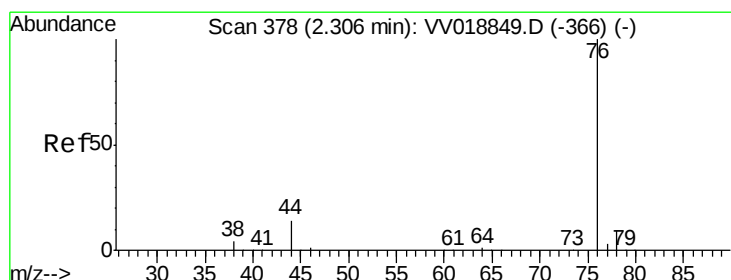
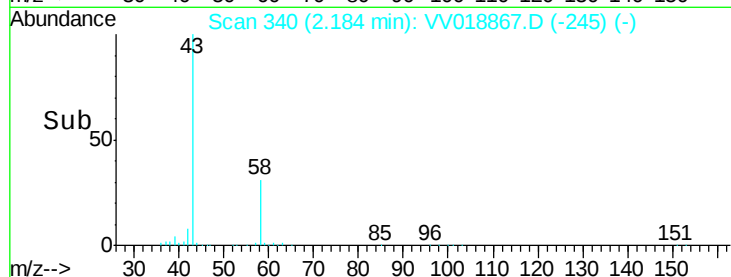
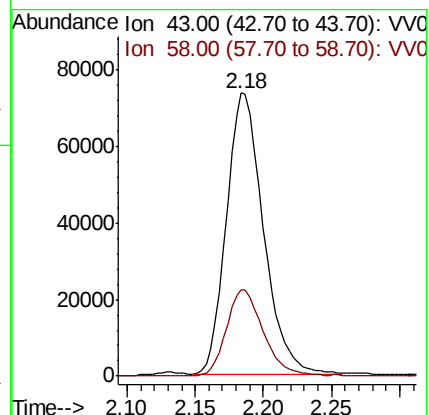
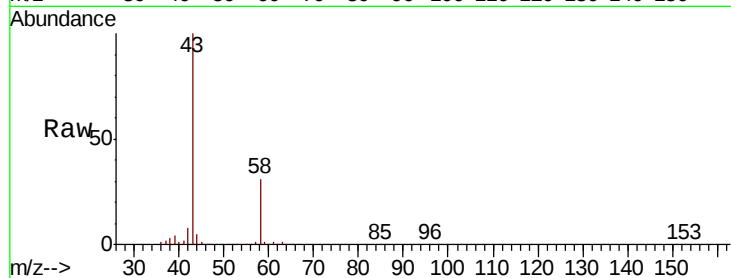
VSTD05086

Tot Ion: 43 Resp: 138663

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.0



#14

Carbon disulfide

Concen: 52.059 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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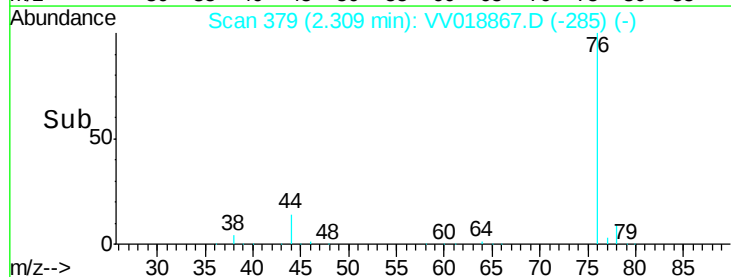
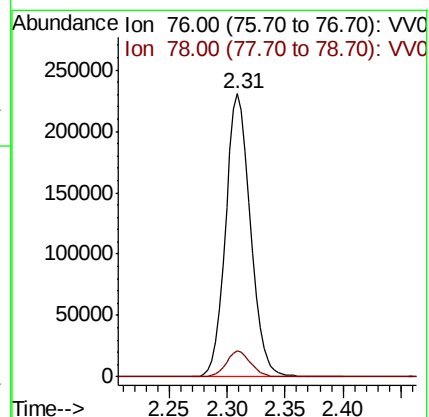
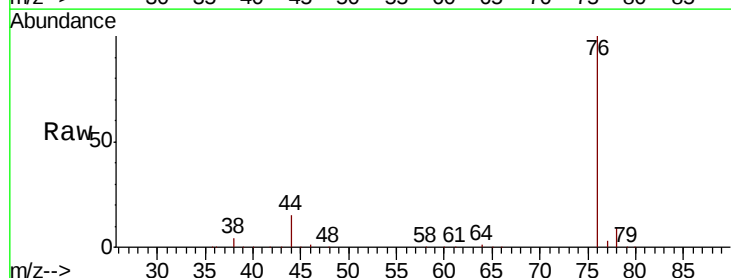
Acq: 12 Oct 2020 19:28

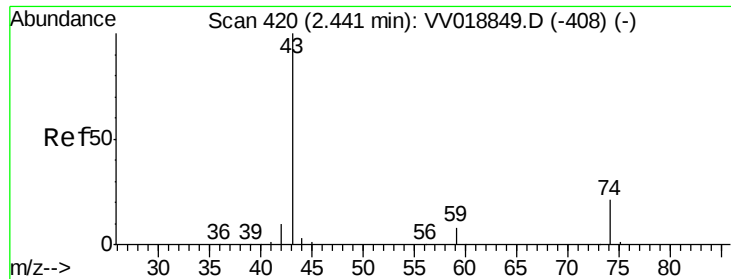
Tgt Ion: 76 Resp: 344086

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

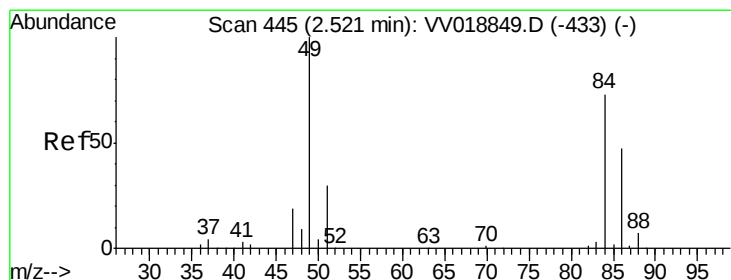
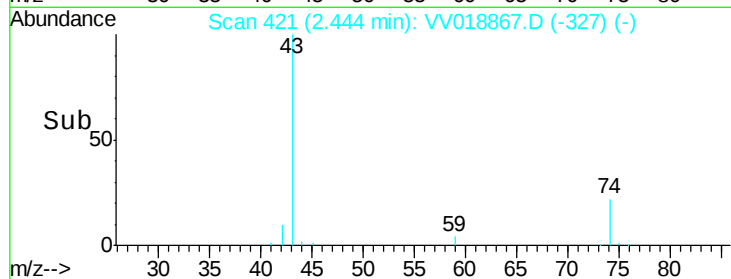
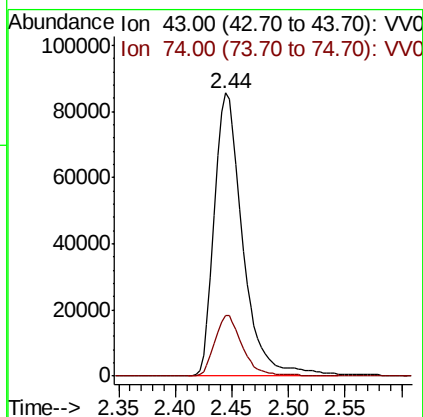
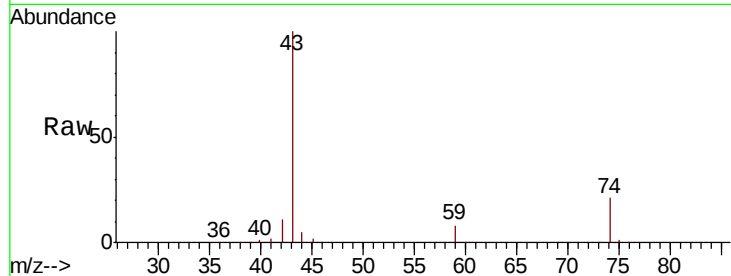




#15
Methvl Acetate
Concen: 50.864 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

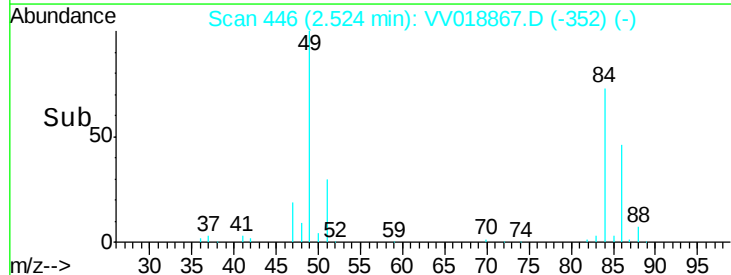
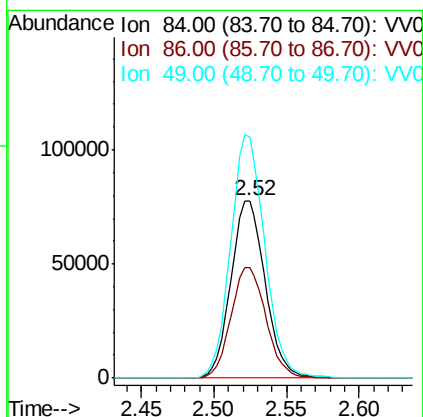
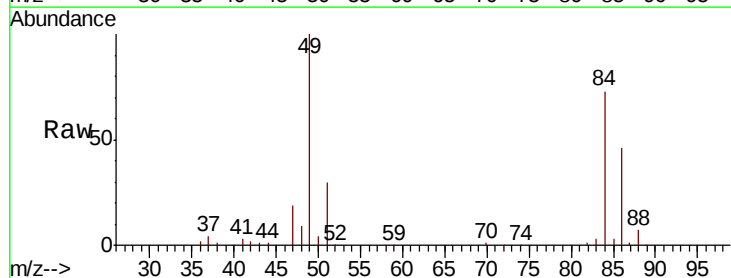
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

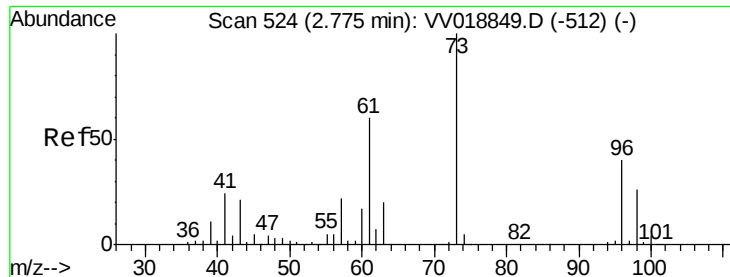
Tot Ion: 43 Resp: 149064
Ion Ratio Lower Upper
43 100
74 21.1 16.9 25.3



#16
Methylene chloride
Concen: 46.439 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

Tgt Ion: 84 Resp: 127646
Ion Ratio Lower Upper
84 100
86 62.7 45.2 84.0
49 136.2 97.9 181.9





#17

trans-1,2-Dichloroethene

Concen: 47.117 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

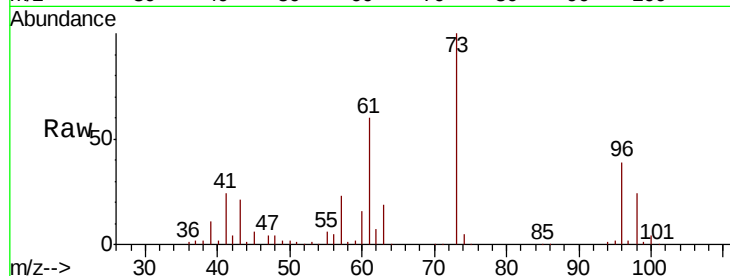
Tot Ion: 96 Resp: 111049

Ion Ratio Lower Upper

96 100

61 153.0 105.7 196.3

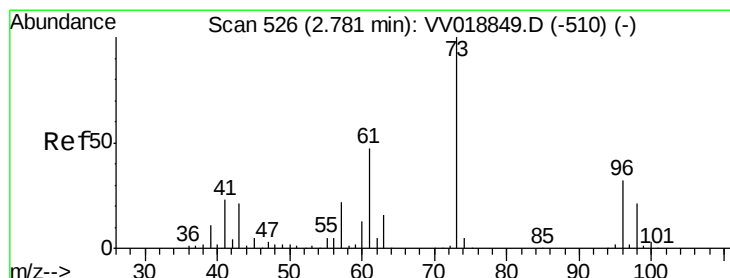
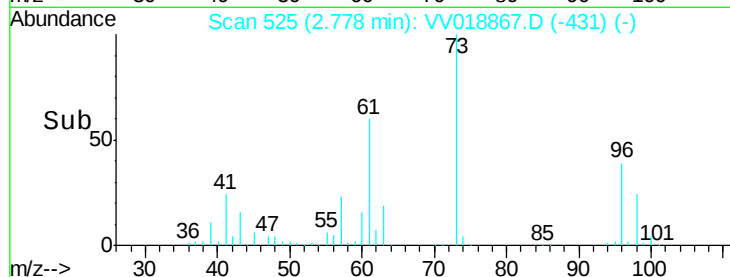
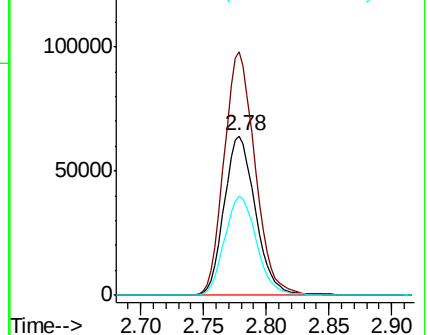
98 62.1 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV018849.D (-512) (-)

Ion 61.00 (60.70 to 61.70): VV018849.D (-512) (-)

Ion 98.00 (97.70 to 98.70): VV018849.D (-512) (-)



#18

Methyl tert-butyl Ether

Concen: 46.776 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

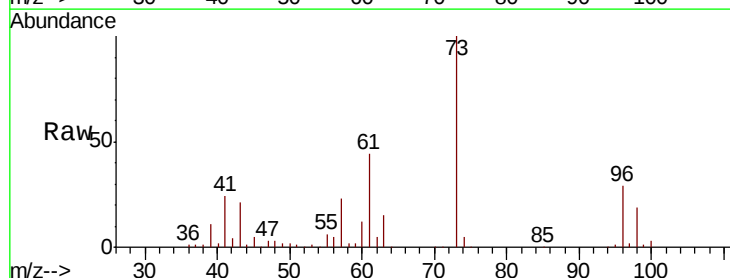
Tgt Ion: 73 Resp: 369675

Ion Ratio Lower Upper

73 100

43 21.0 17.3 25.9

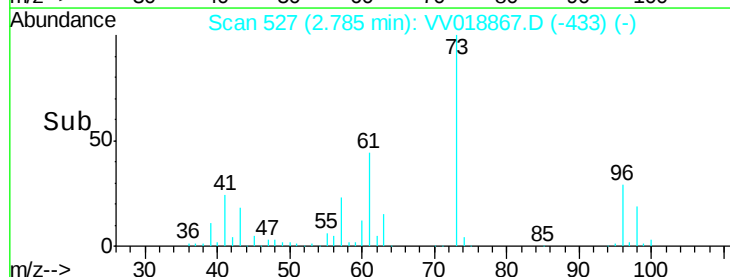
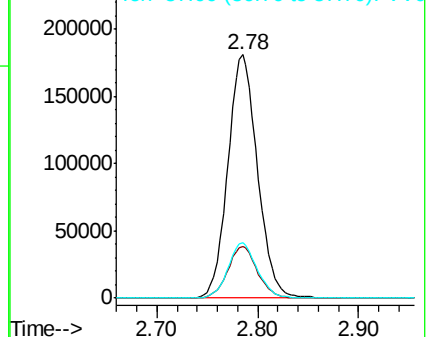
57 22.5 18.5 27.7

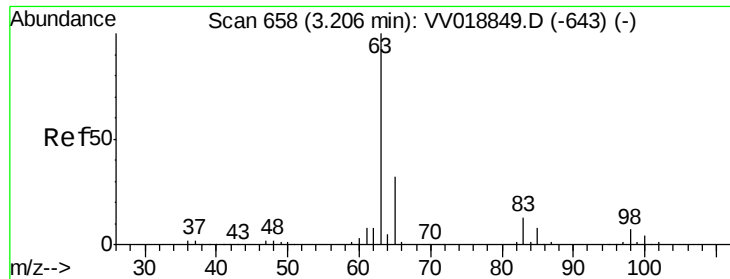


Abundance Ion 73.00 (72.70 to 73.70): VV018849.D (-510) (-)

Ion 43.00 (42.70 to 43.70): VV018849.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VV018849.D (-510) (-)

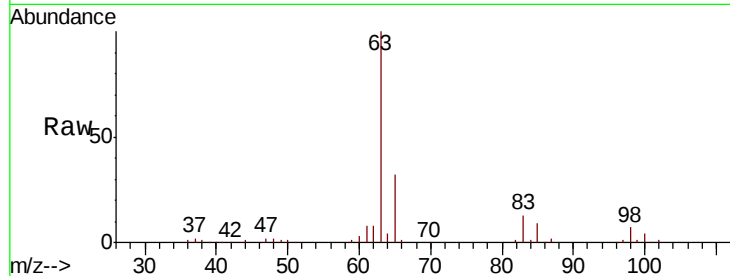




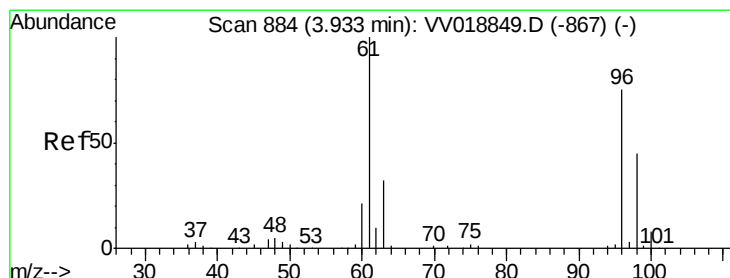
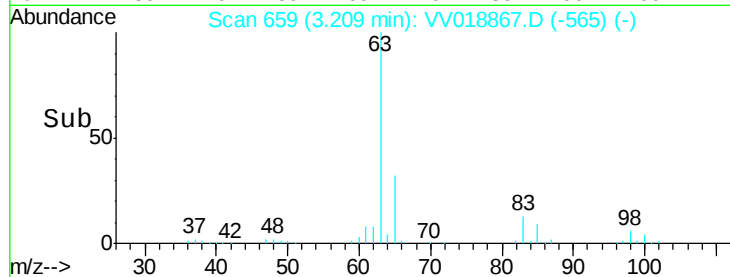
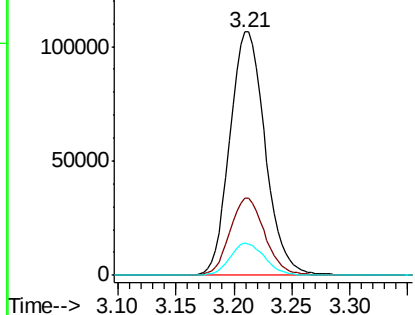
#19
 1,1-Dichloroethane
 Concen: 48.566 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tot Ion: 63 Resp: 224639
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 40.8
 83 13.3 9.2 17.0

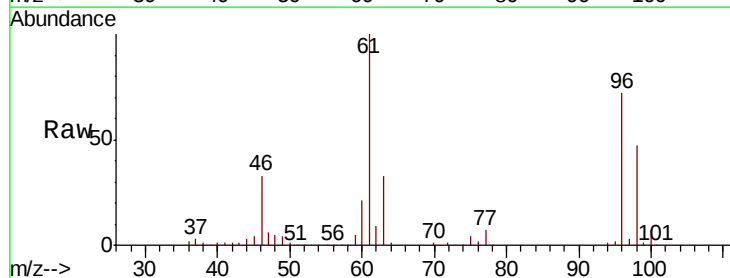


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

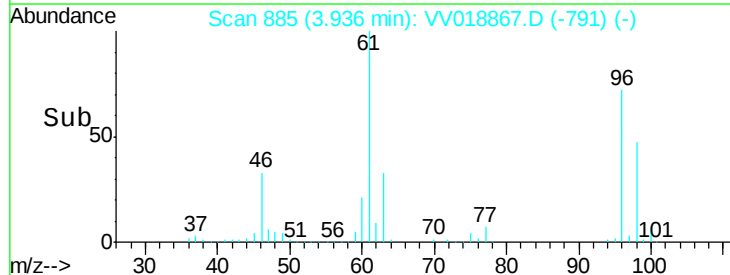
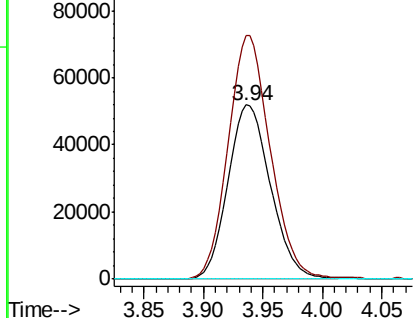


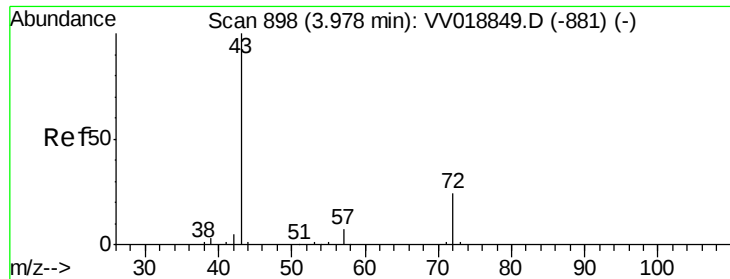
#20
 cis-1,2-Dichloroethene
 Concen: 51.844 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

Tgt Ion: 96 Resp: 129136
 Ion Ratio Lower Upper
 96 100
 61 139.8 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: 114.268 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.01 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

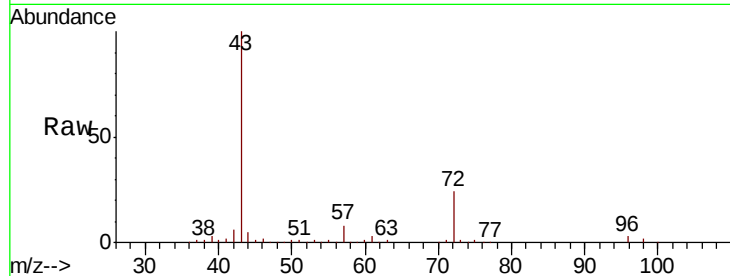
VSTD05086

Tot Ion: 43 Resp: 200862

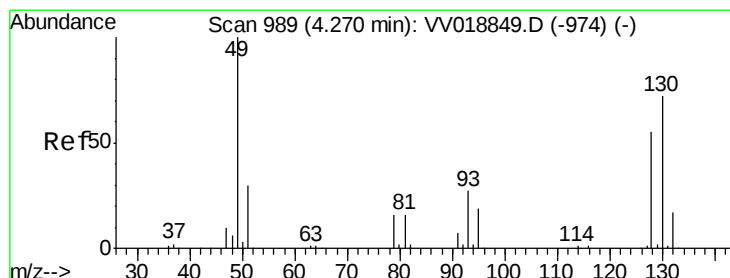
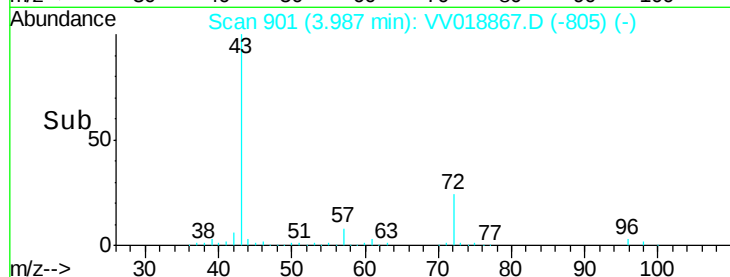
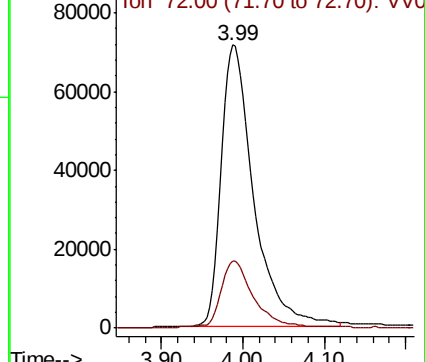
Ion Ratio Lower Upper

43 100

72 22.6 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018849.D (-881) (-)



#23

Bromochloromethane

Concen: 52.280 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Tgt Ion: 128 Resp: 67514

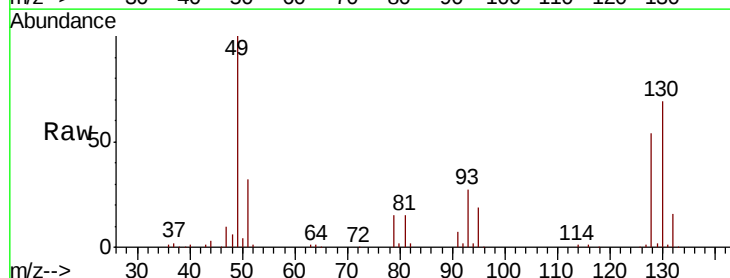
Ion Ratio Lower Upper

128 100

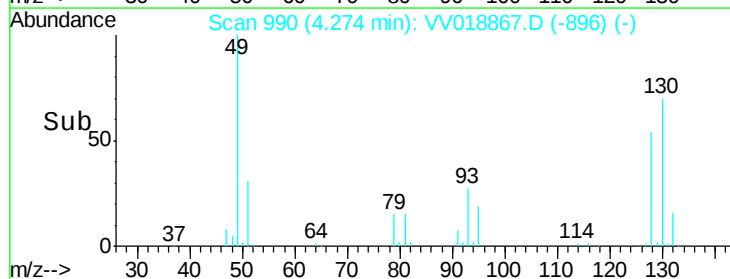
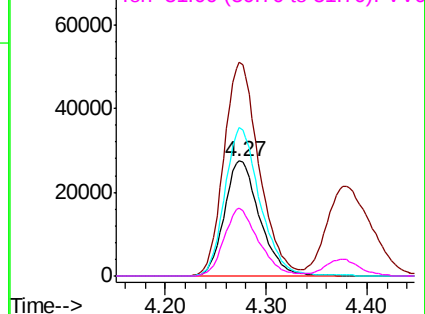
49 185.5 129.7 240.9

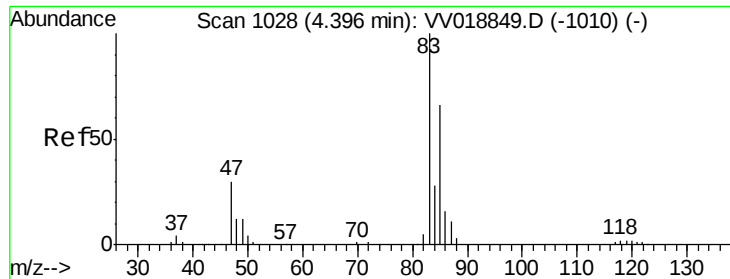
130 128.8 86.7 161.1

51 58.9 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV018849.D (-974) (-)

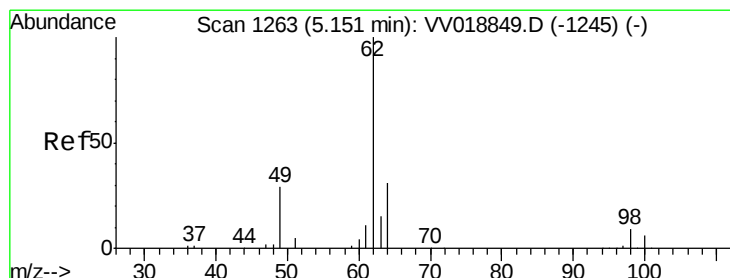
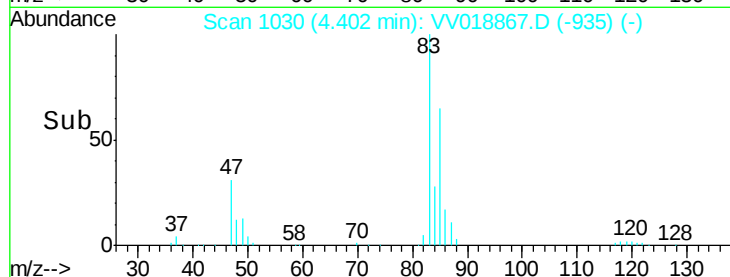
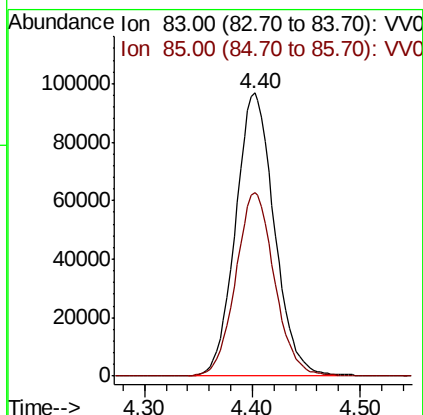
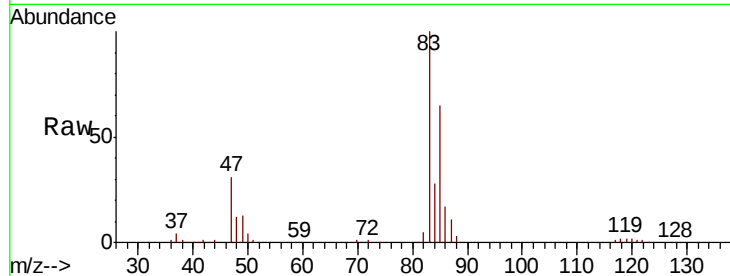




#25
Chloroform
Concen: 50.952 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

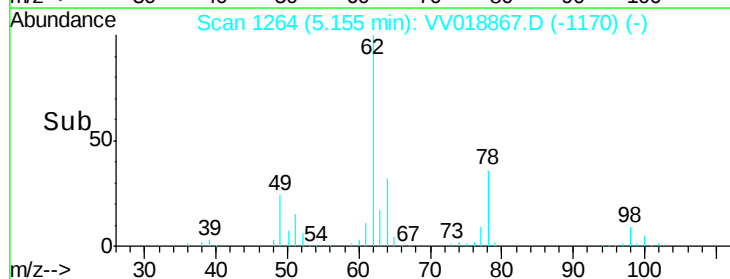
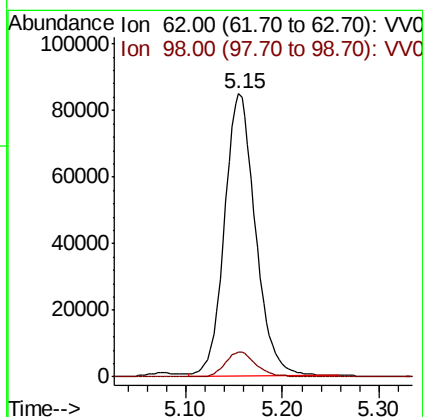
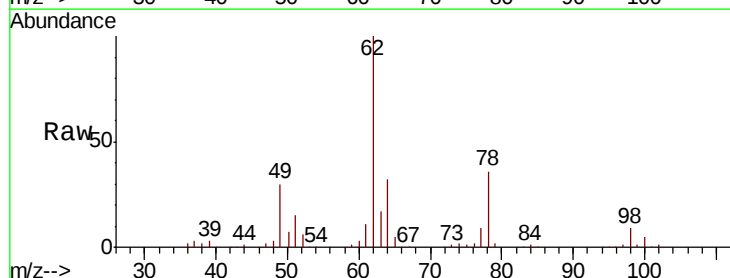
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

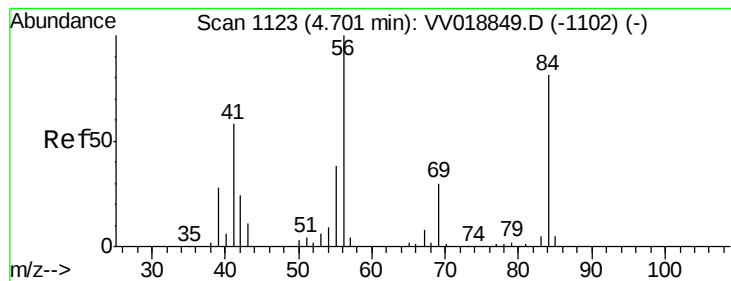
Tot Ion: 83 Resp: 241876
Ion Ratio Lower Upper
83 100
85 65.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.800 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

Tgt Ion: 62 Resp: 188470
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0





#29

Cvclohexane

Concen: 50.792 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

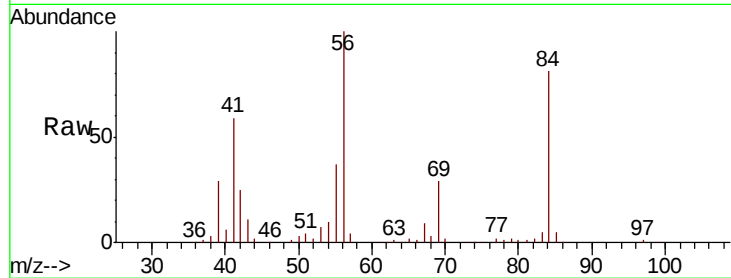
Tot Ion: 56 Resp: 194124

Ion Ratio Lower Upper

56 100

69 29.2 23.1 34.7

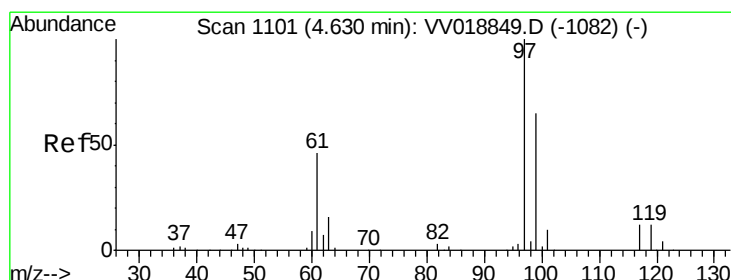
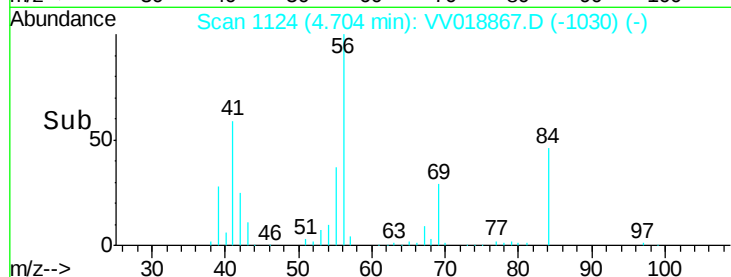
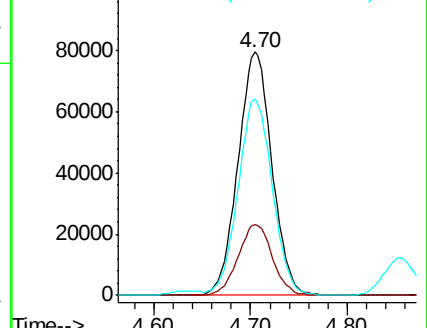
84 80.8 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VV018849.D (-1102) (-)

Ion 69.00 (68.70 to 69.70): VV018849.D (-1102) (-)

Ion 84.00 (83.70 to 84.70): VV018849.D (-1102) (-)



#30

1,1,1-Trichloroethane

Concen: 49.706 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

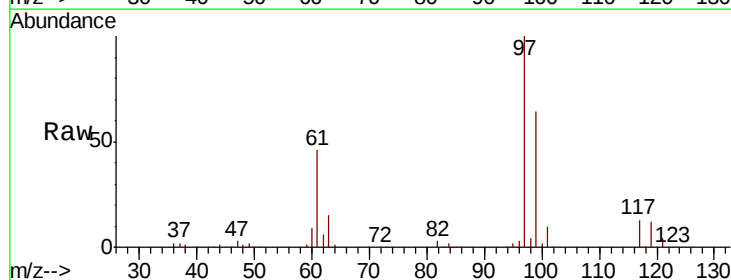
Tgt Ion: 97 Resp: 209075

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

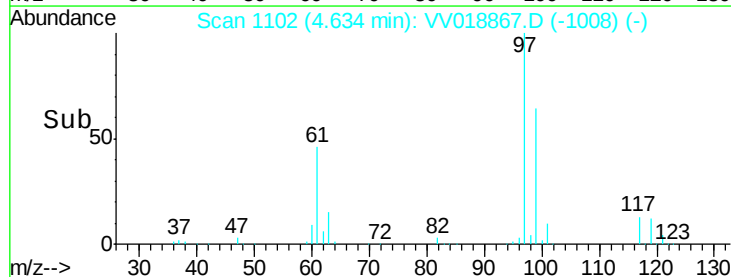
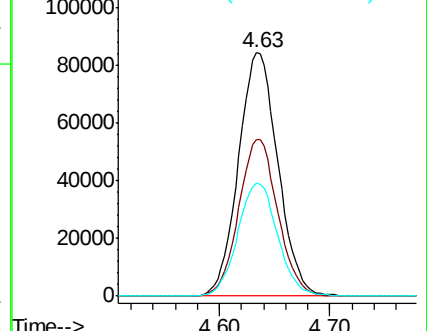
61 46.9 37.0 55.4

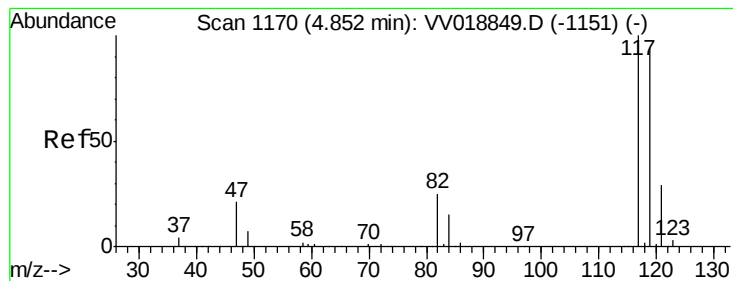


Abundance Ion 97.00 (96.70 to 97.70): VV018849.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV018849.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV018849.D (-1082) (-)





#31

Carbon tetrachloride

Concen: 48.743 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

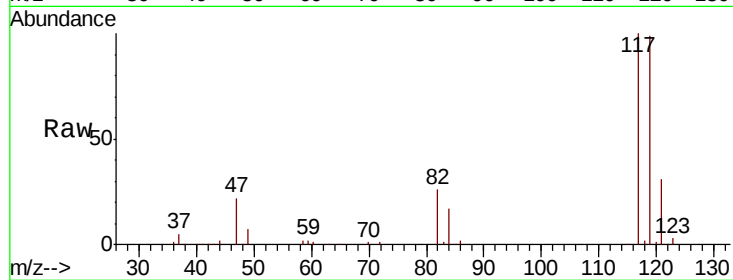
VSTD05086

Tot Ion:117 Resp: 172801

Ion Ratio Lower Upper

117 100

119 98.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

80000

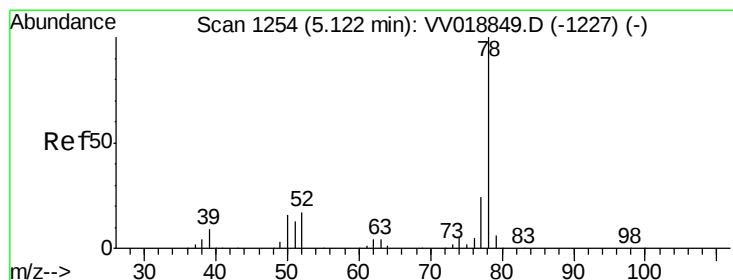
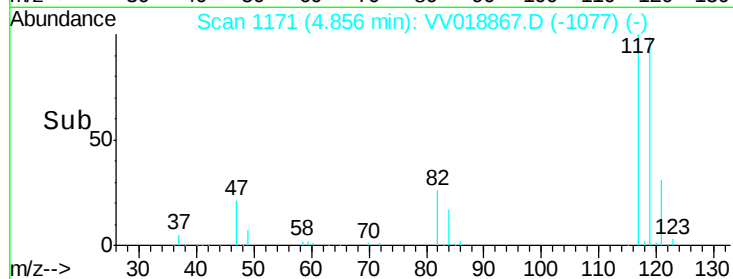
60000

40000

20000

0

Time-->



#33

Benzene

Concen: 48.072 ug/L

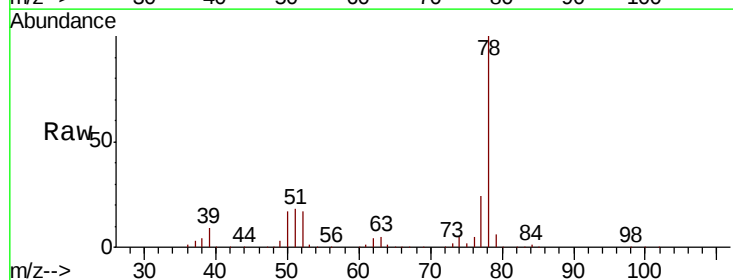
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Tgt Ion: 78 Resp: 481318



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

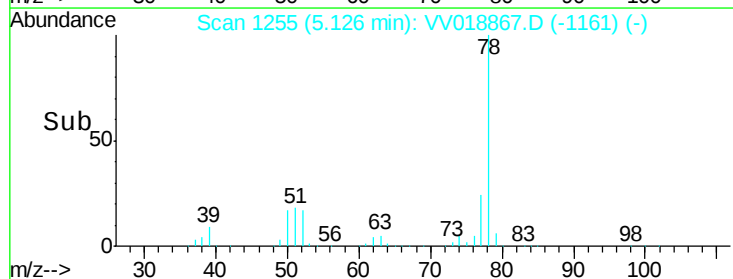
150000

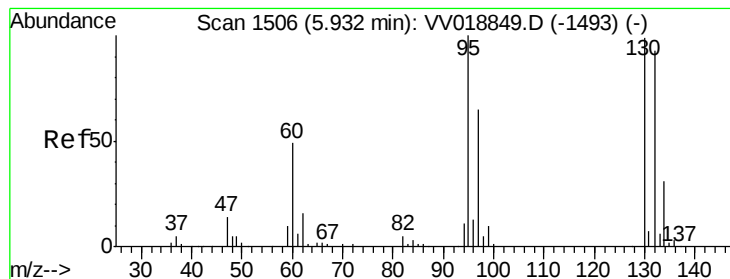
100000

50000

0

Time-->





#34

Trichloroethene

Concen: 46.767 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

Tot Ion: 95 Resp: 134767

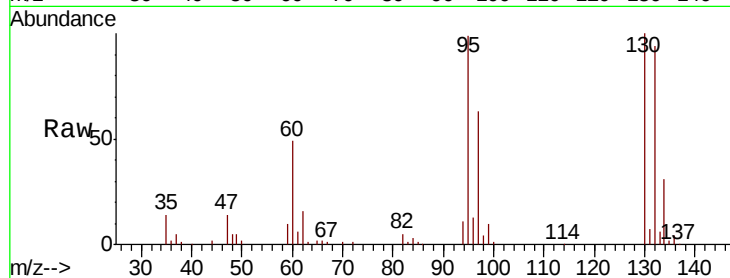
Ion Ratio Lower Upper

95 100

97 63.6 45.1 83.9

132 94.3 66.2 123.0

130 100.5 69.1 128.3

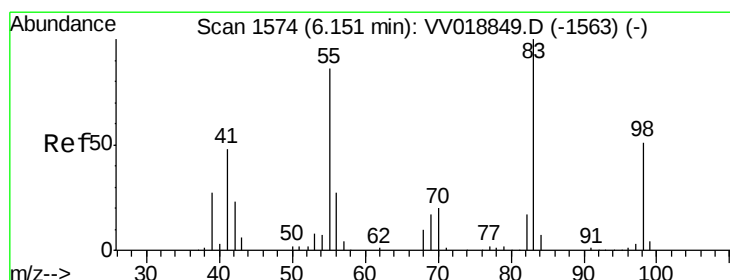
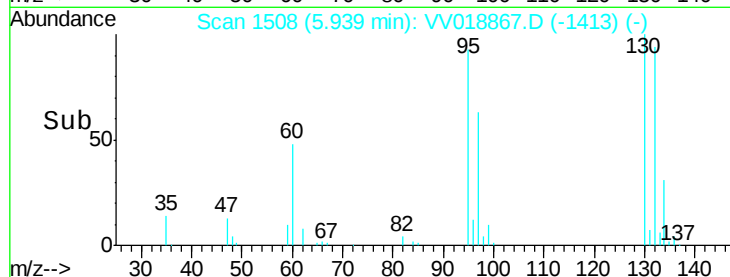
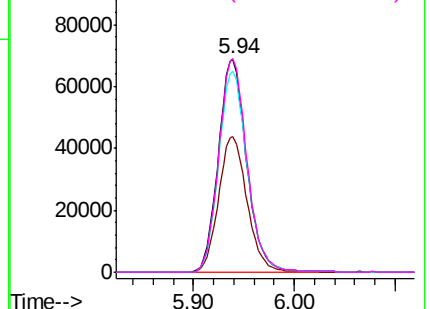


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.090 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

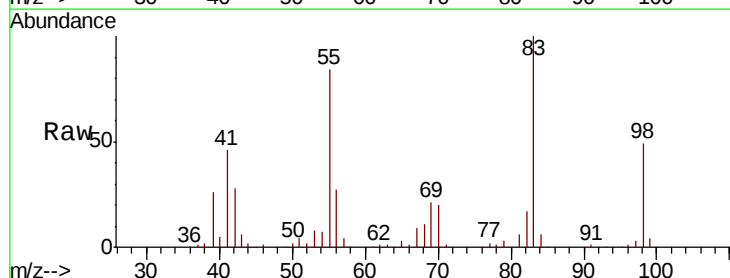
Tgt Ion: 83 Resp: 169565

Ion Ratio Lower Upper

83 100

55 83.2 67.0 100.4

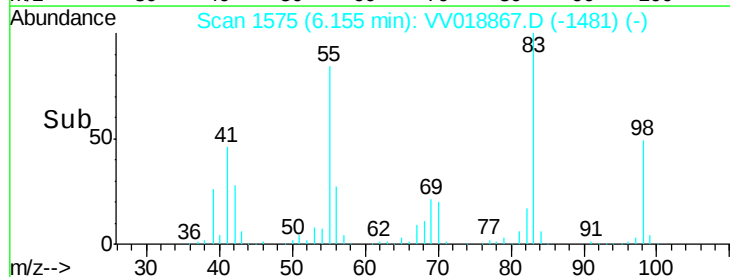
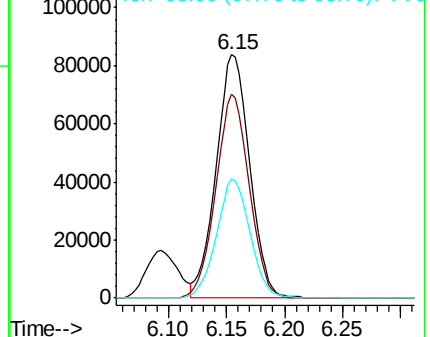
98 48.8 38.8 58.2

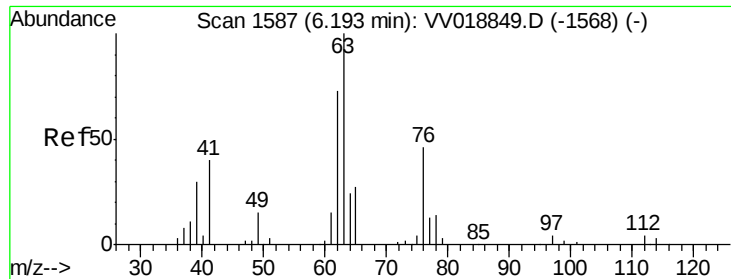


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

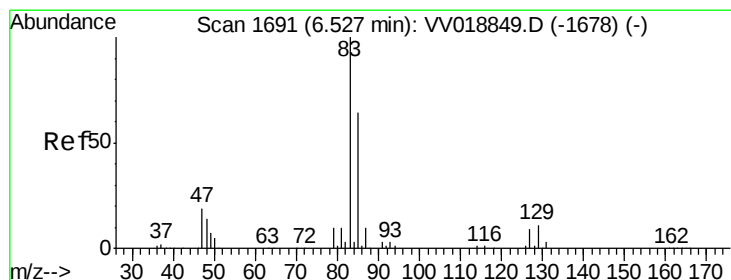
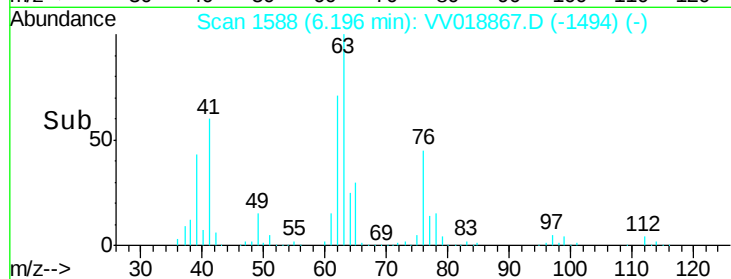
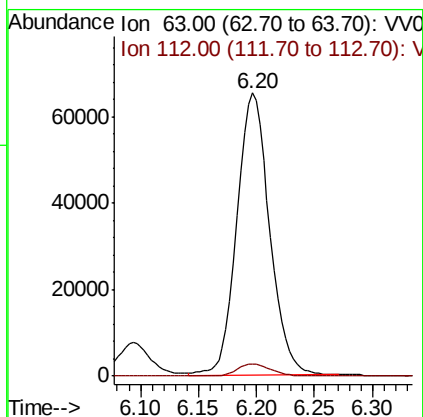
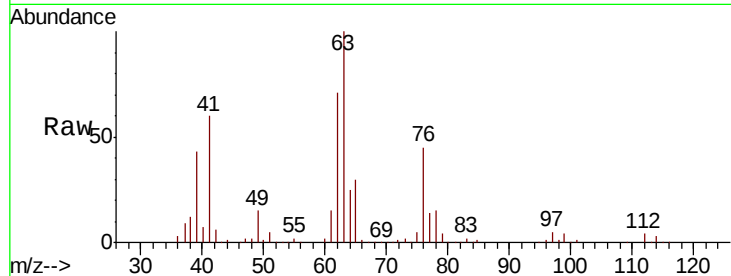




#37
 1,2-Dichloropropane
 Concen: 46.484 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

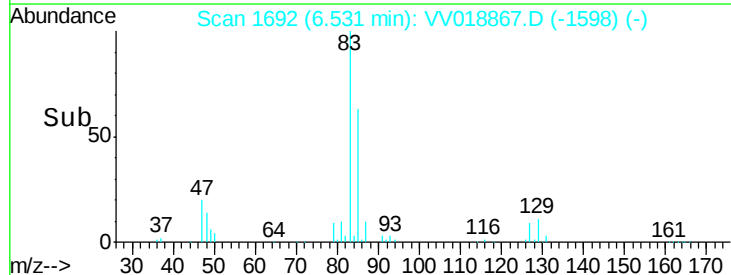
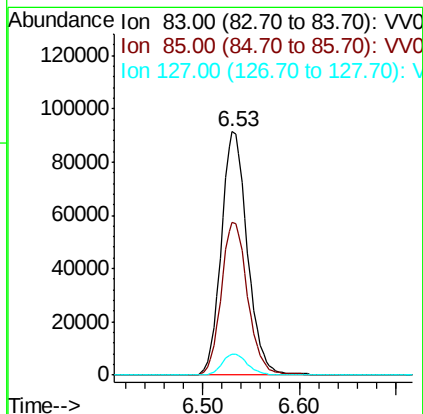
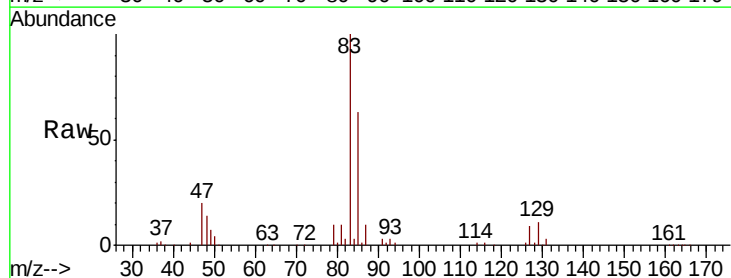
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

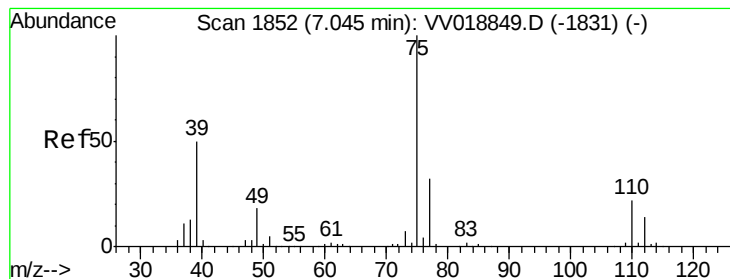
Tot Ion: 63 Resp: 127846
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 49.075 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

Tgt Ion: 83 Resp: 171413
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.1 83.7
 127 8.6 6.6 10.0



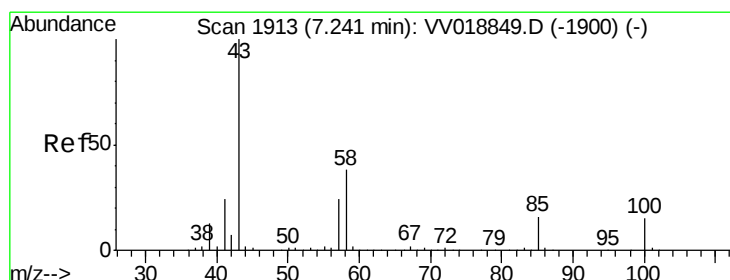
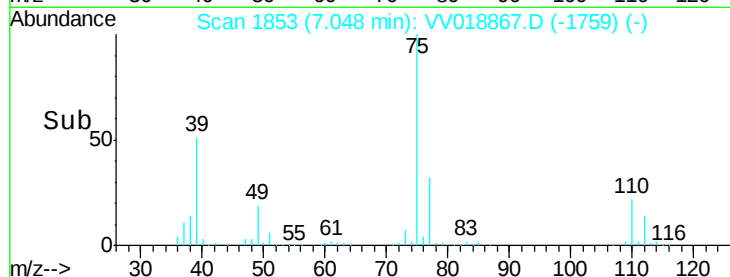
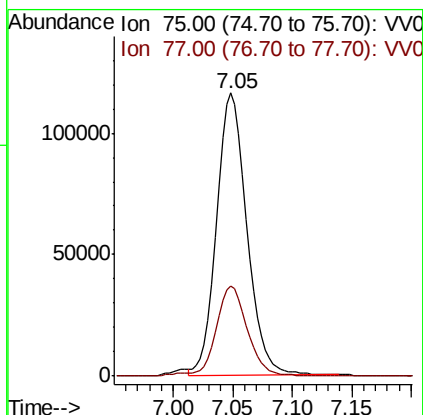
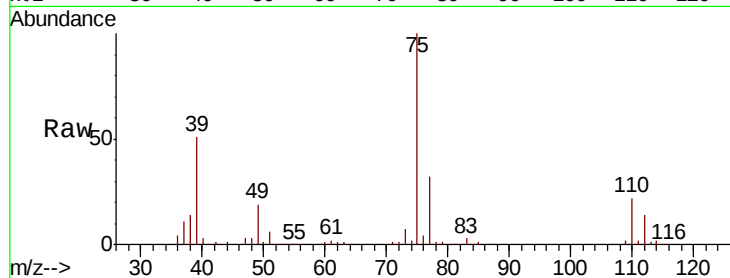


#39

cis-1,3-Dichloropropene
Concen: 53.066 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

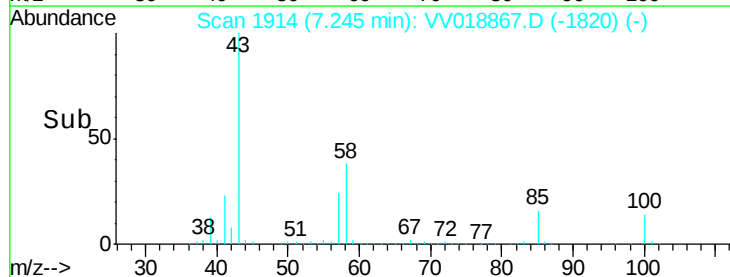
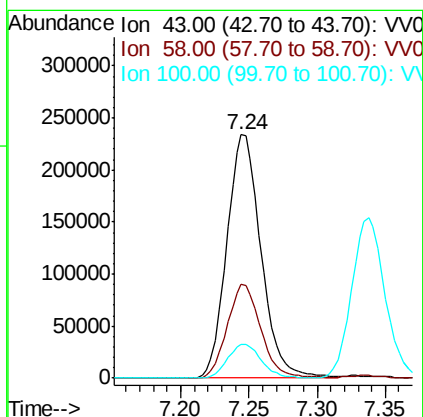
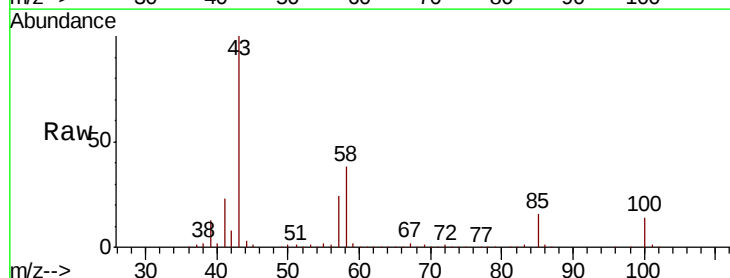
Tot Ion: 75 Resp: 206182
Ion Ratio Lower Upper
75 100
77 31.9 21.8 40.6

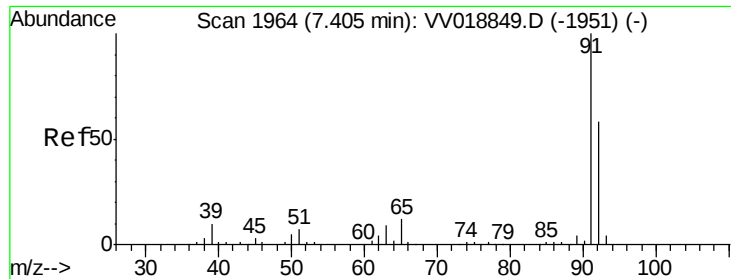


#40

4-Methyl-2-pentanone
Concen: 113.895 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

Tgt Ion: 43 Resp: 407077
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.4
100 13.9 11.4 17.2





#42

Toluene

Concen: 52.469 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

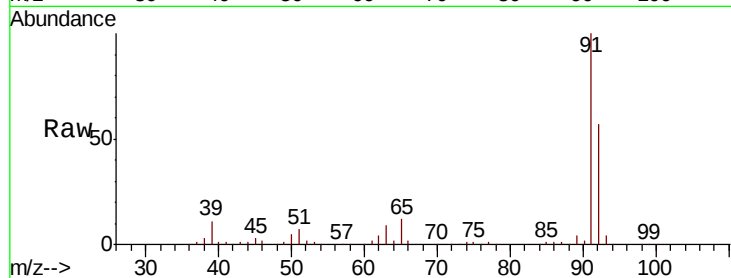
VSTD05086

Tot Ion: 91 Resp: 539602

Ion Ratio Lower Upper

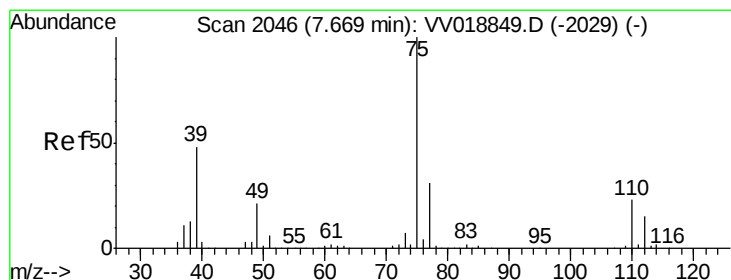
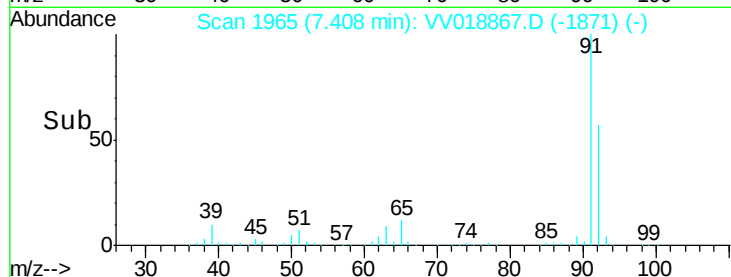
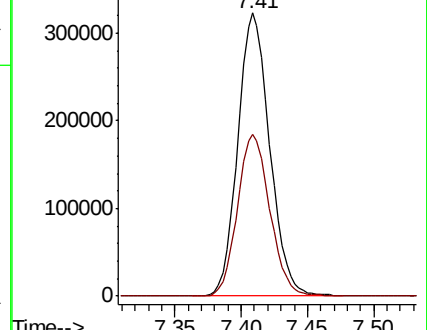
91 100

92 57.4 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: 51.561 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018867.D

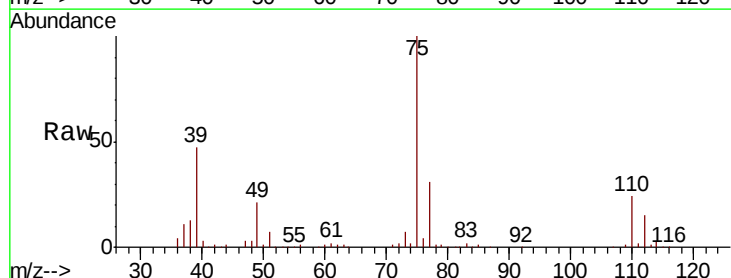
Acq: 12 Oct 2020 19:28

Tgt Ion: 75 Resp: 205288

Ion Ratio Lower Upper

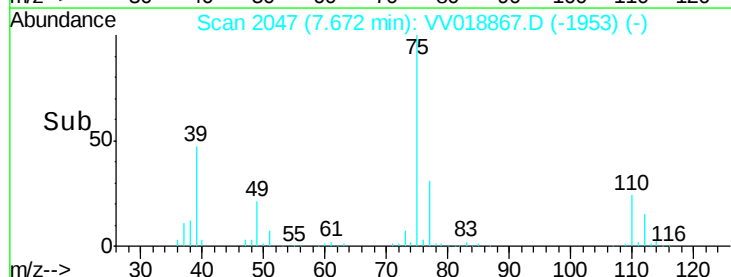
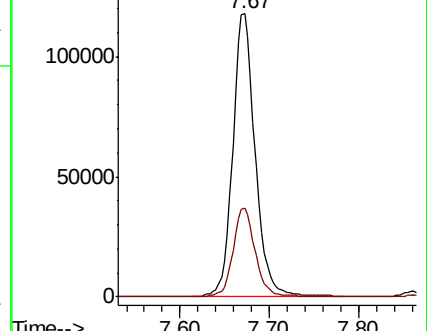
75 100

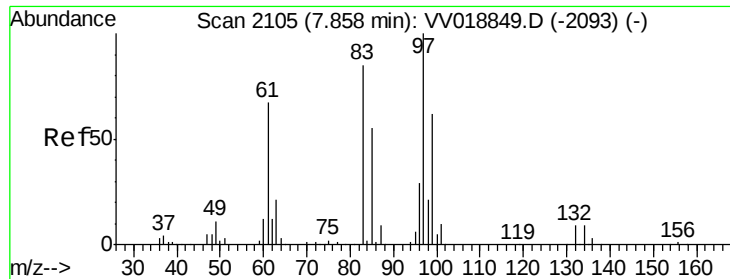
77 31.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

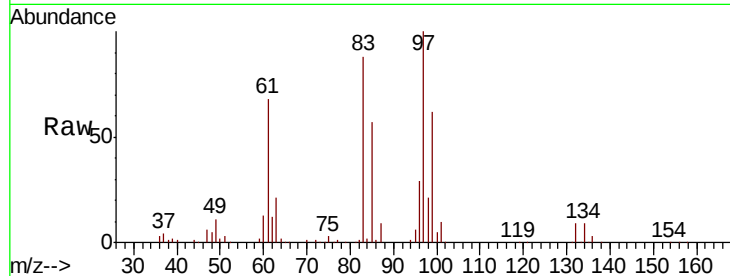




#45
 1,1,2-Trichloroethane
 Concen: 53.852 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

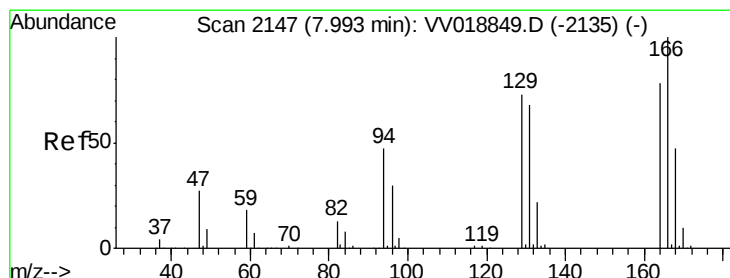
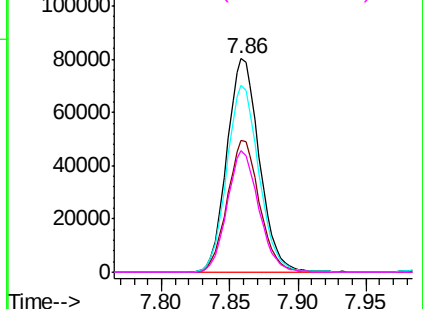
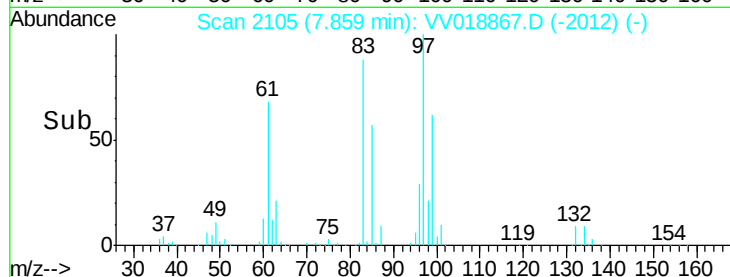
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tot Ion:	97	Resp:	133023
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.4	80.6
83	87.7	58.7	108.9
85	56.9	39.4	73.2



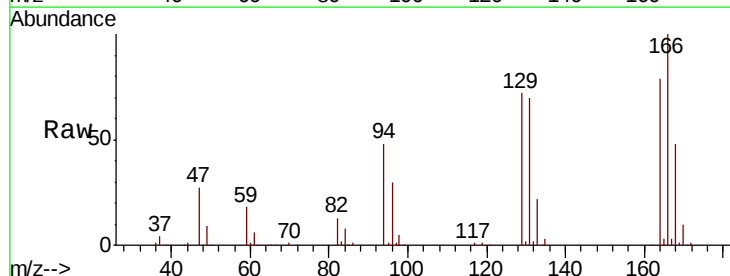
Abundance

Ion 97.00 (96.70 to 97.70): VV018867.D (-2012) (-)



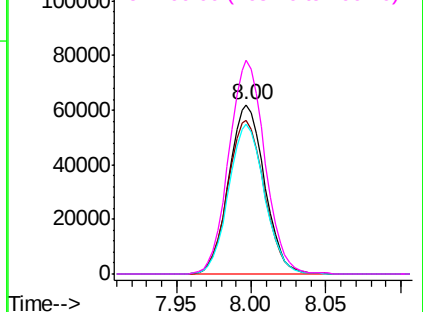
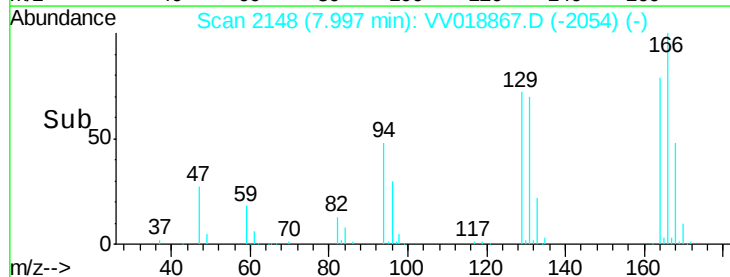
#46
 Tetrachloroethene
 Concen: 48.903 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

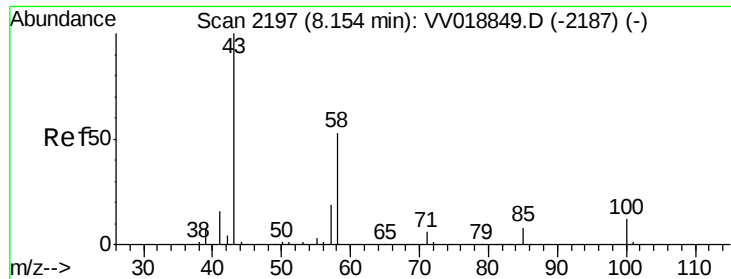
Tgt Ion:	164	Resp:	103278
Ion	Ratio	Lower	Upper
164	100		
129	91.0	64.6	120.0
131	88.7	63.6	118.0
166	126.2	88.3	164.1



Abundance

Ion 164.00 (163.70 to 164.70): VV018867.D (-2054) (-)

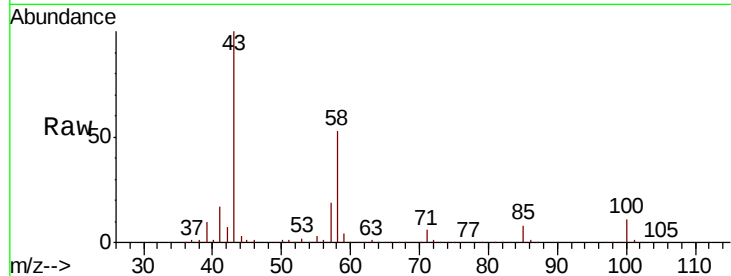




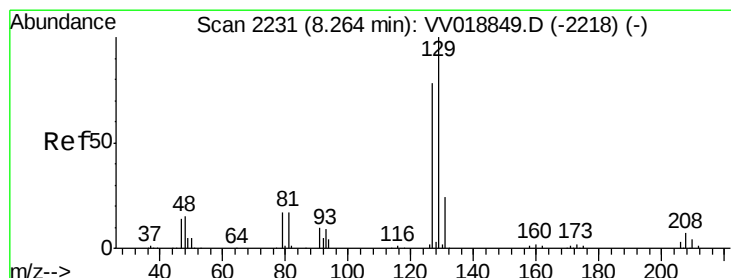
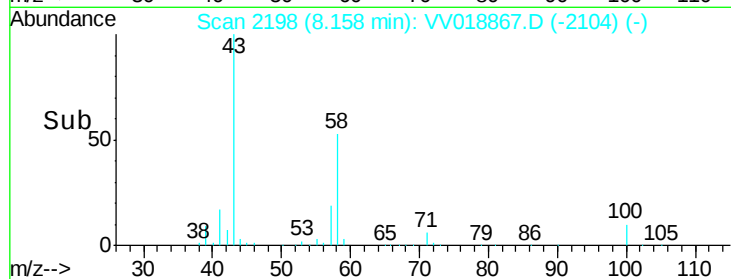
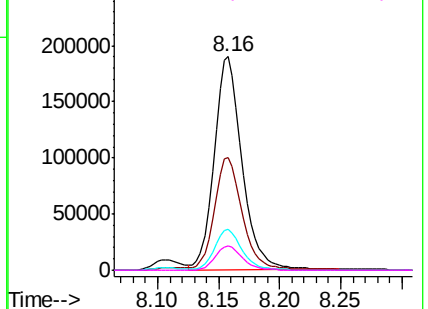
#48
2-Hexanone
Concen: 107.466 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tot Ion: 43 Resp: 303214
Ion Ratio Lower Upper
43 100
58 52.8 41.8 62.8
57 18.7 14.9 22.3
100 11.4 9.2 13.8

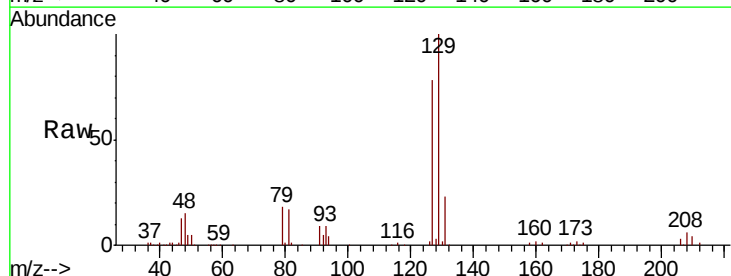


Abundance Ion 43.00 (42.70 to 43.70): VV018849.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV018849.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV018849.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV018849.D (-2187) (-)

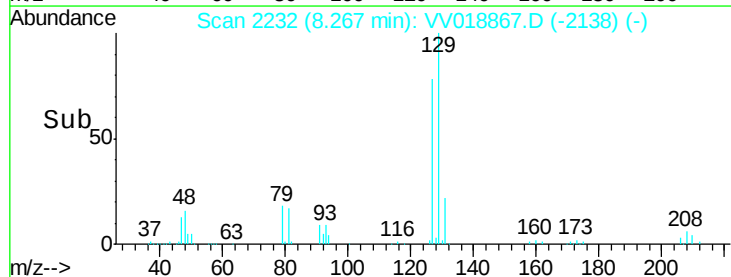
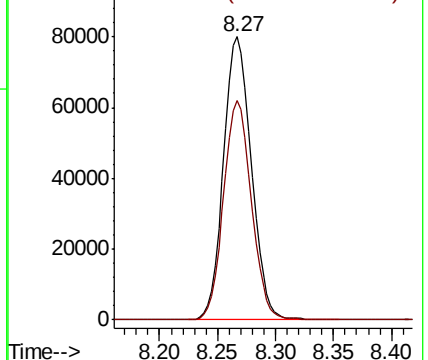


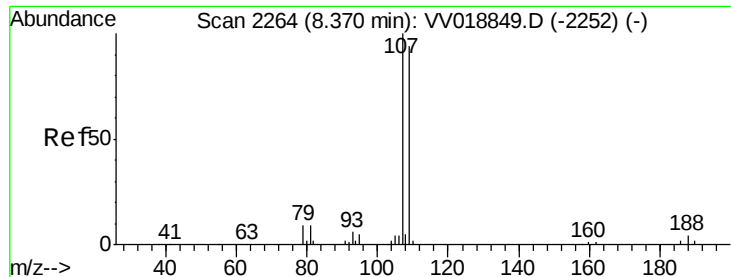
#49
Dibromochloromethane
Concen: 49.263 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

Tgt Ion: 129 Resp: 133005
Ion Ratio Lower Upper
129 100
127 77.6 55.3 102.7



Abundance Ion 129.00 (128.70 to 129.70): VV018849.D (-2218) (-)
Ion 127.00 (126.70 to 127.70): VV018849.D (-2218) (-)

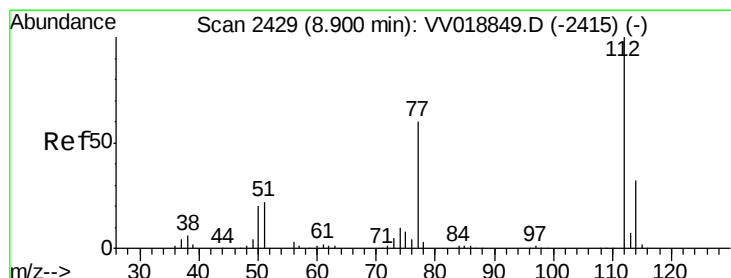
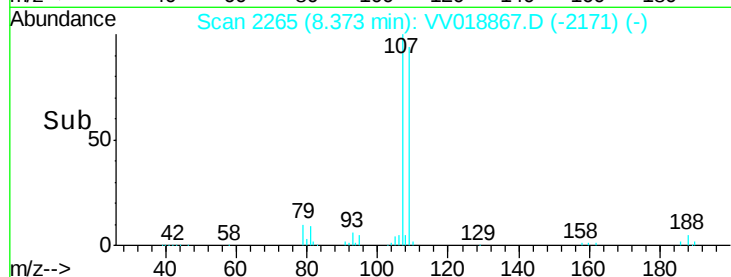
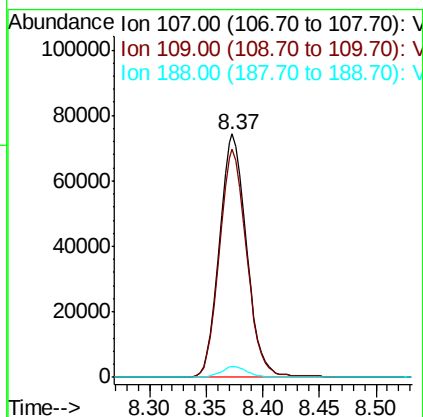
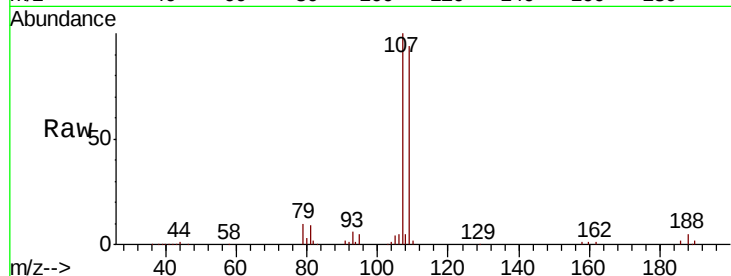




#50
1,2-Dibromoethane
Concen: 49.325 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

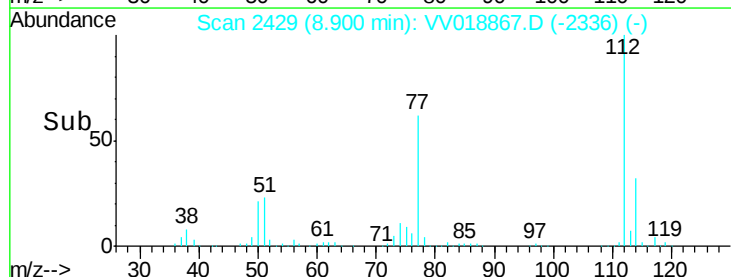
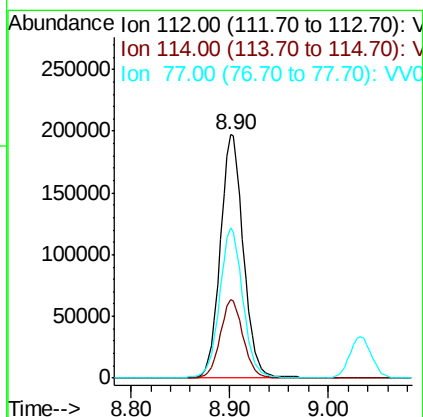
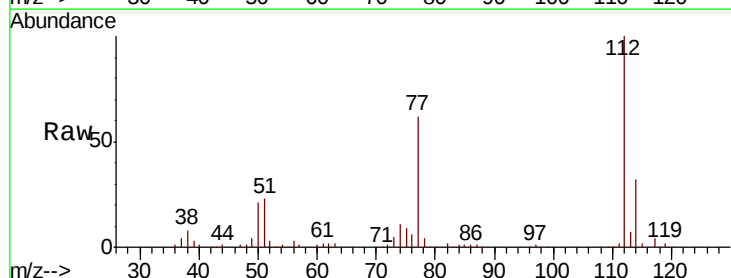
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

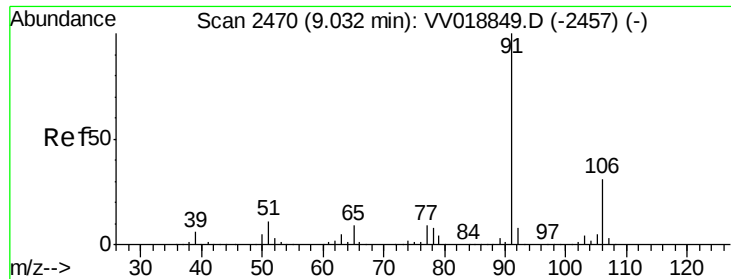
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.4	123.2
188	4.5	3.1	4.7



#51
Chlorobenzene
Concen: 47.635 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.0	41.0
77	61.6	49.8	74.6

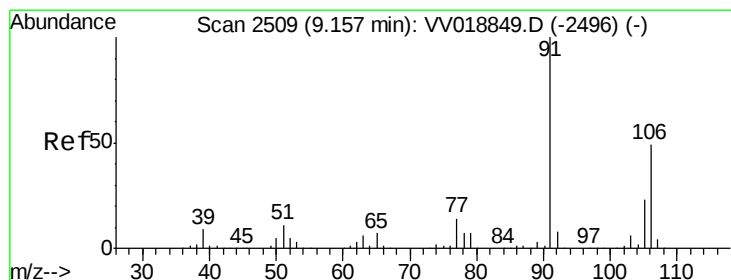
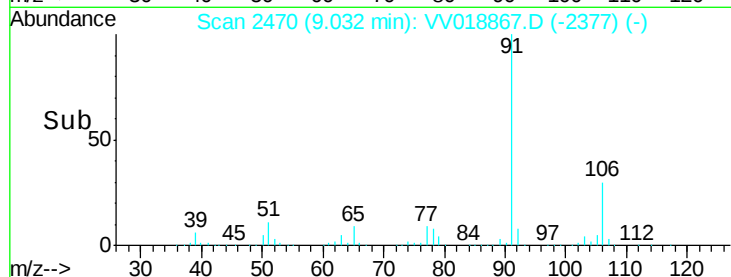
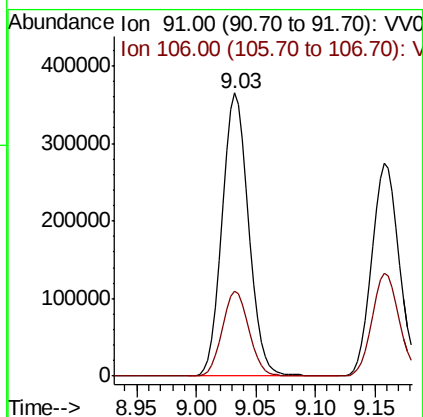
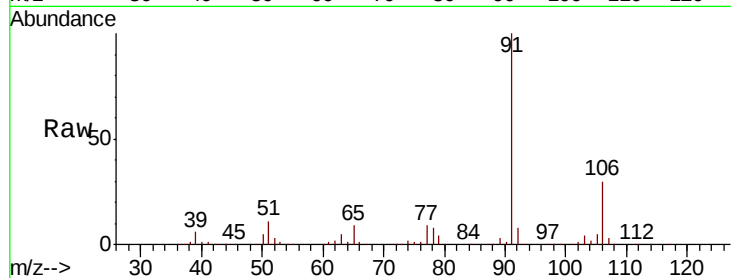




#52
Ethylbenzene
Concen: 48.322 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

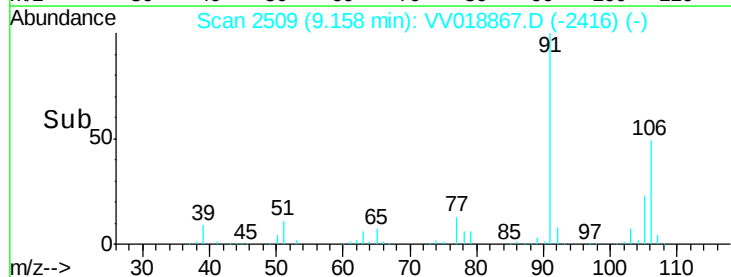
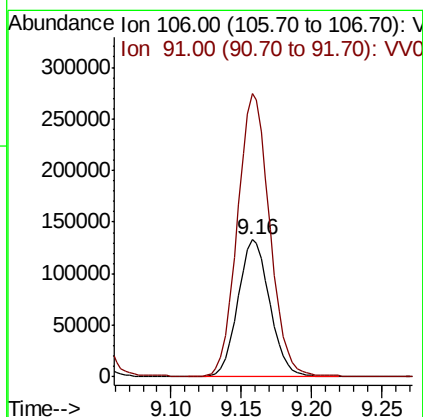
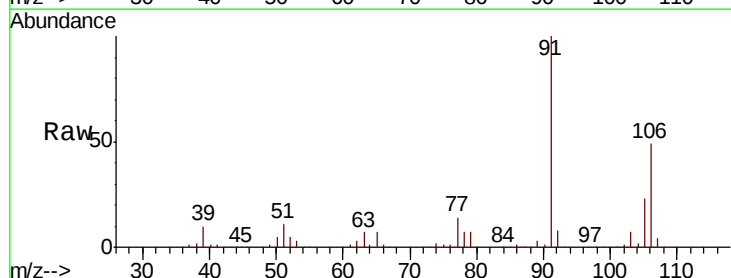
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

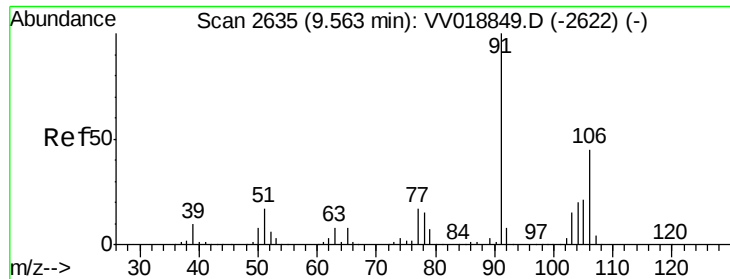
Tot Ion: 91 Resp: 564338
Ion Ratio Lower Upper
91 100
106 30.2 20.9 38.9



#53
m,p-Xylene
Concen: 49.152 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018867.D
Acq: 12 Oct 2020 19:28

Tgt Ion: 106 Resp: 210707
Ion Ratio Lower Upper
106 100
91 206.2 147.1 273.1





#54

o-xylene

Concen: 50.152 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

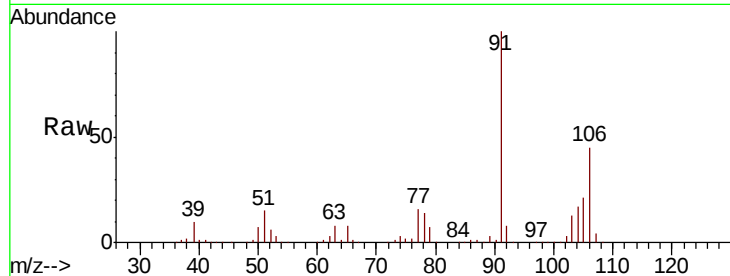
VSTD05086

Tot Ion:106 Resp: 204193

Ion Ratio Lower Upper

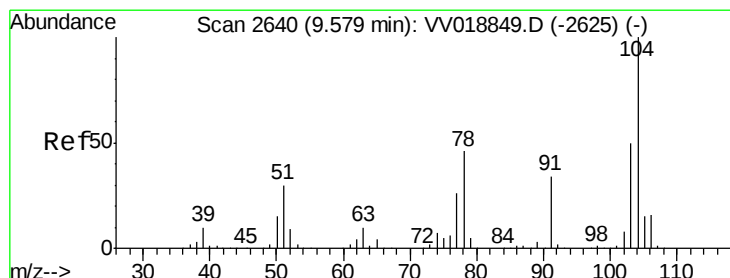
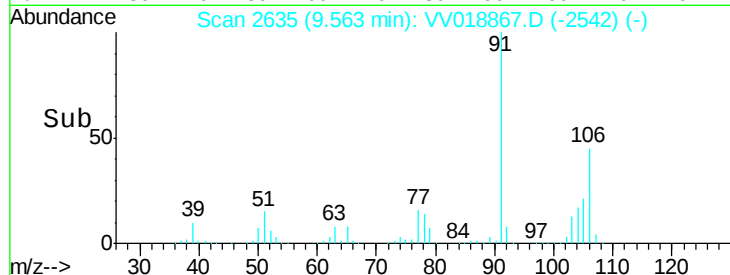
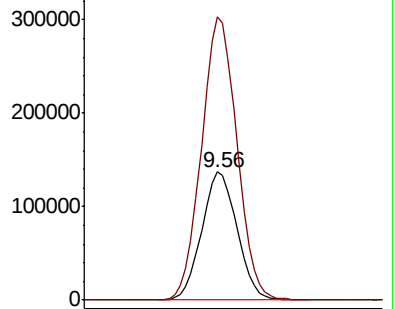
106 100

91 220.8 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.794 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018867.D

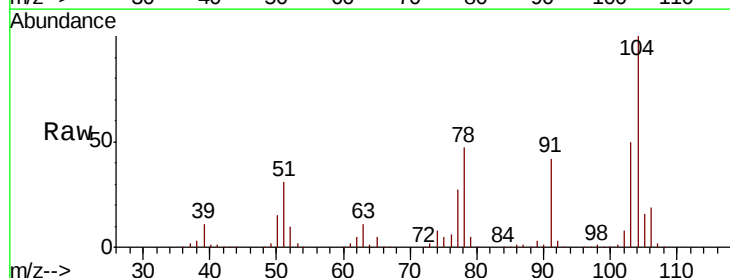
Acq: 12 Oct 2020 19:28

Tgt Ion:104 Resp: 366043

Ion Ratio Lower Upper

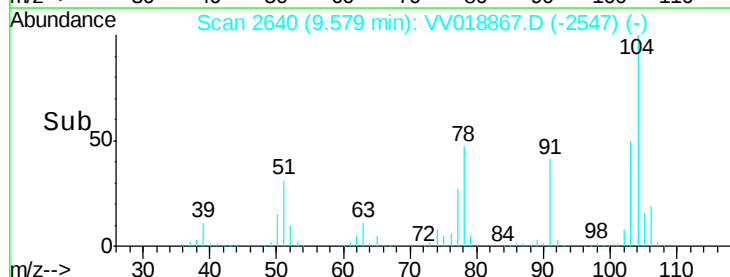
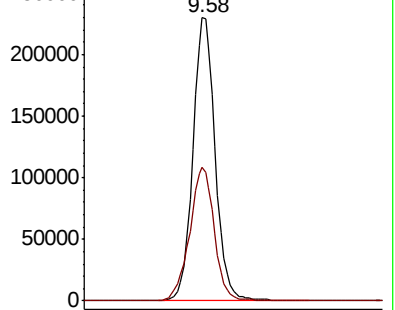
104 100

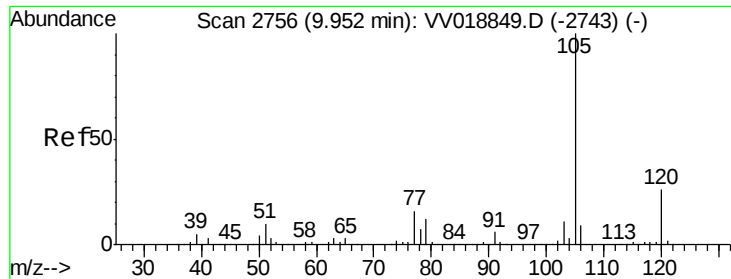
78 47.4 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.085 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

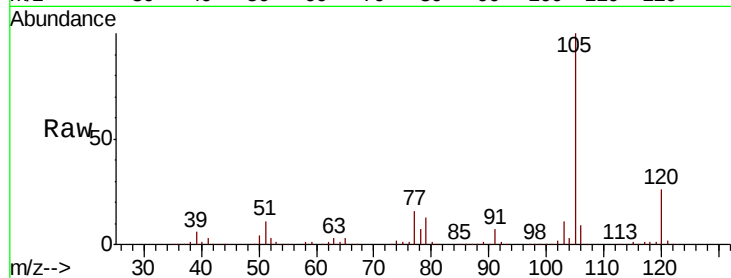
Tot Ion:105 Resp: 541703

Ion Ratio Lower Upper

105 100

120 26.1 20.4 30.6

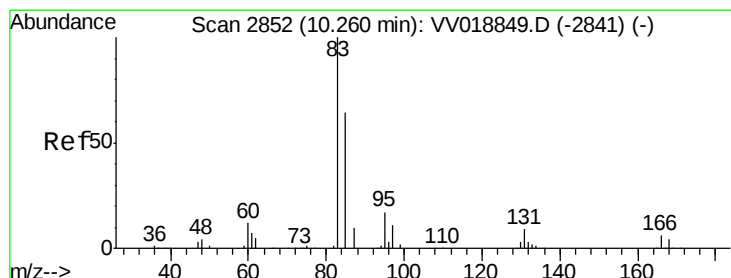
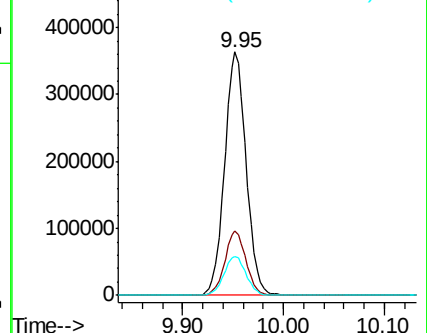
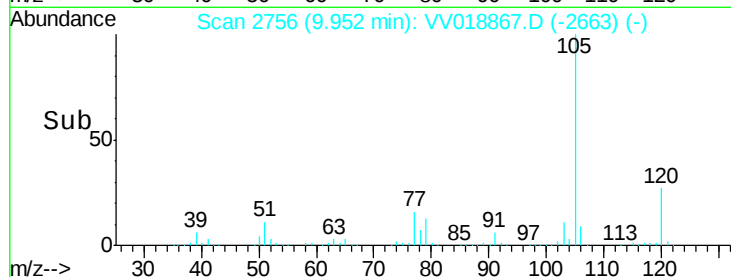
77 16.4 13.0 19.6



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: 48.647 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

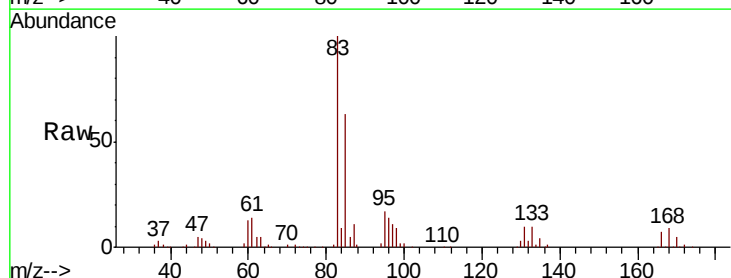
Tgt Ion: 83 Resp: 167621

Ion Ratio Lower Upper

83 100

85 63.4 44.5 82.7

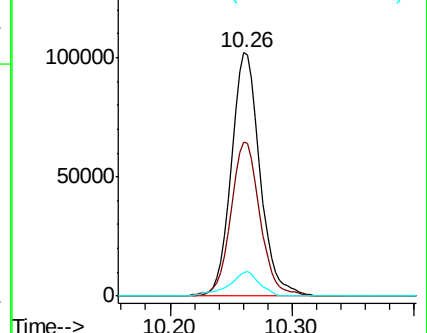
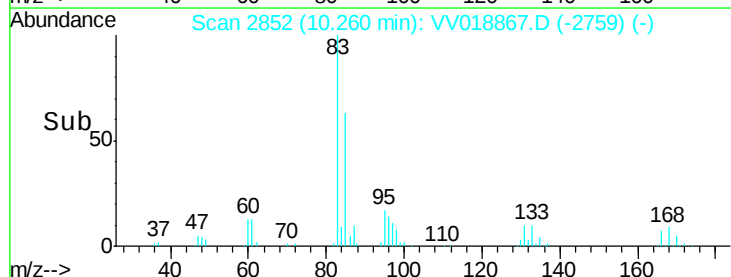
131 9.7 8.0 12.0

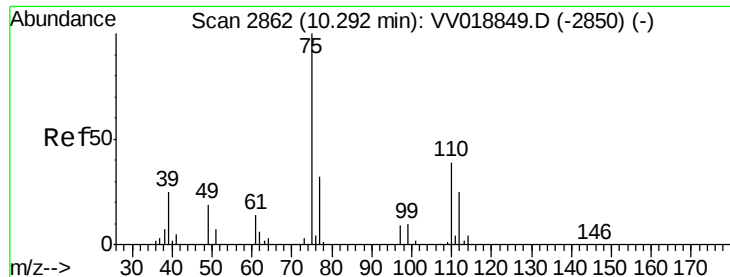


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.295 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

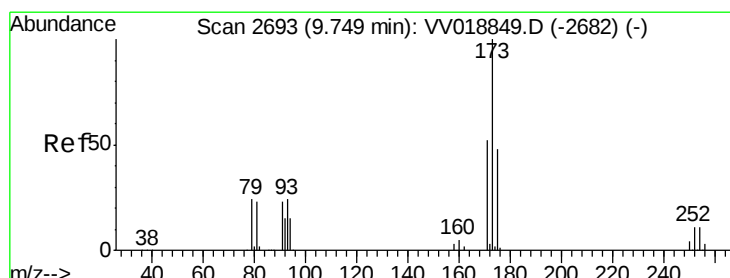
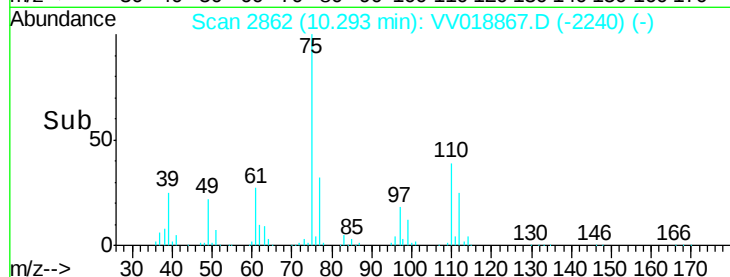
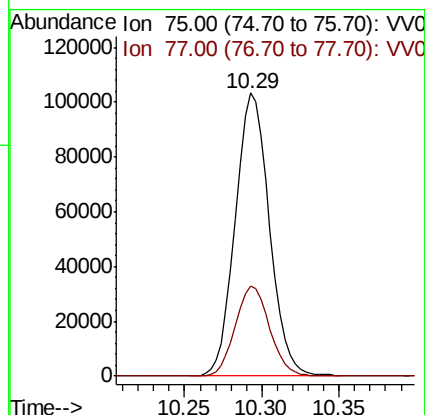
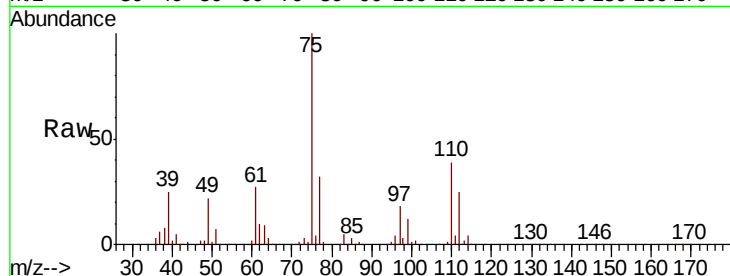
VSTD05086

Tot Ion: 75 Resp: 158049

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#61

Bromoform

Concen: 49.937 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

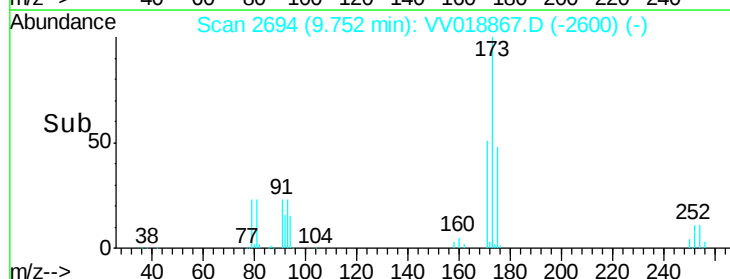
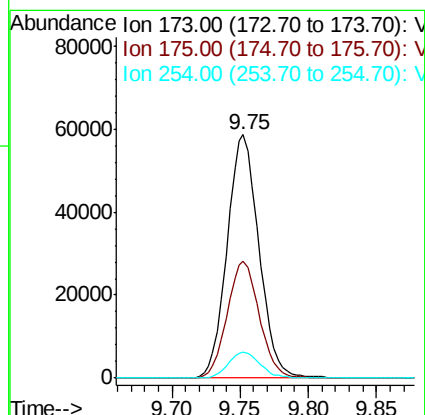
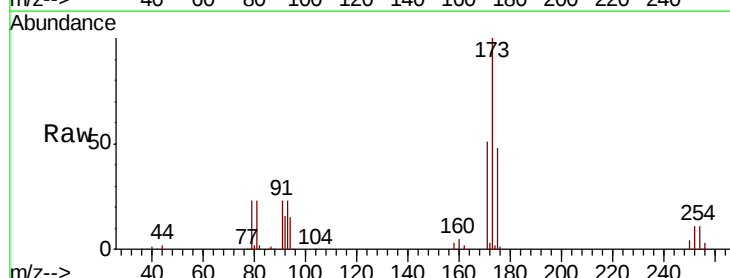
Tgt Ion: 173 Resp: 94905

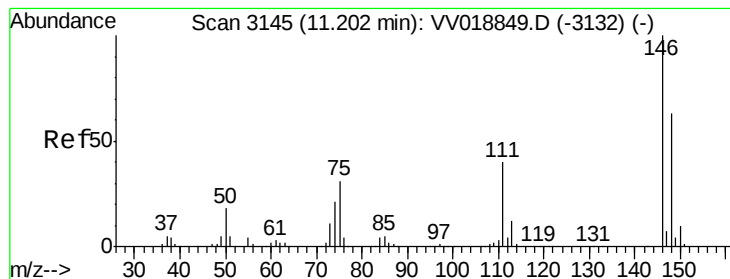
Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

254 10.7 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 47.560 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

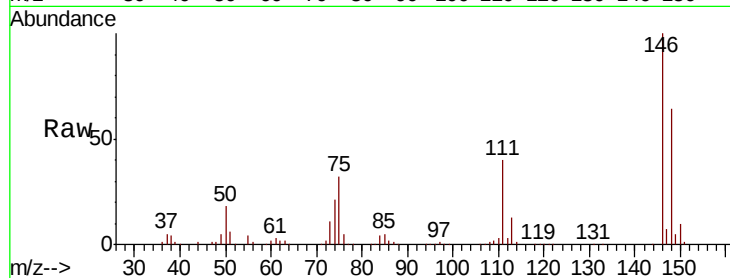
Tot Ion:146 Resp: 265592

Ion Ratio Lower Upper

146 100

111 39.8 27.8 51.6

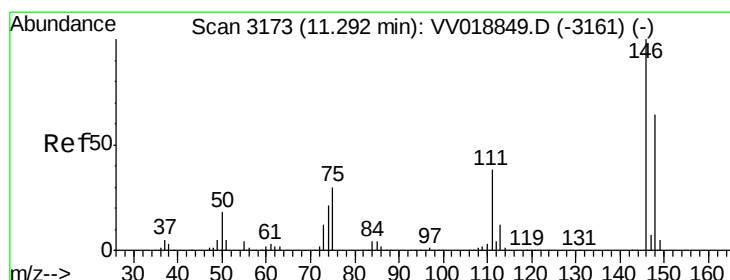
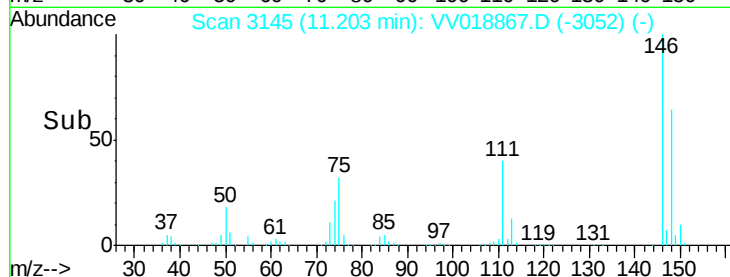
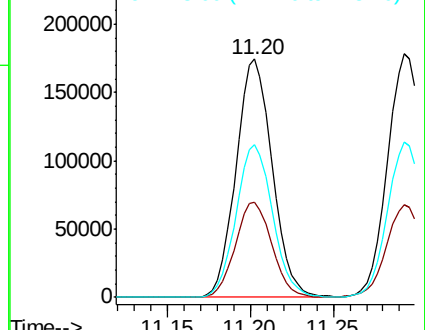
148 63.9 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.422 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

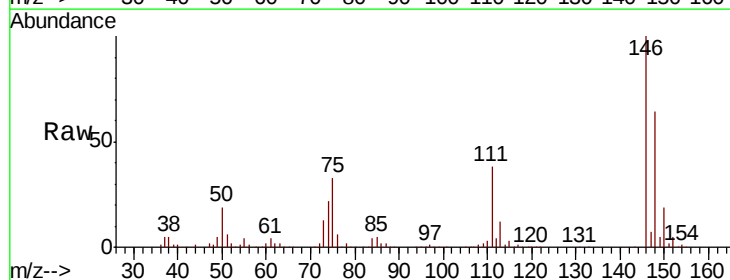
Tgt Ion:146 Resp: 275476

Ion Ratio Lower Upper

146 100

111 38.0 27.1 50.3

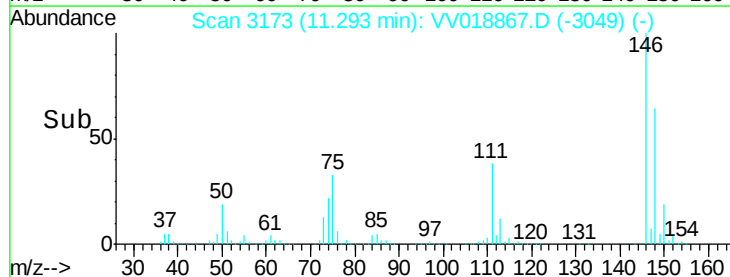
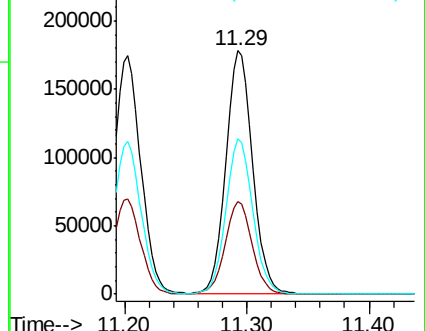
148 63.7 45.4 84.4

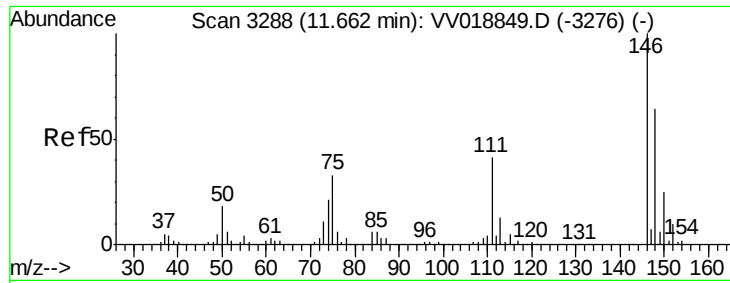


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.083 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

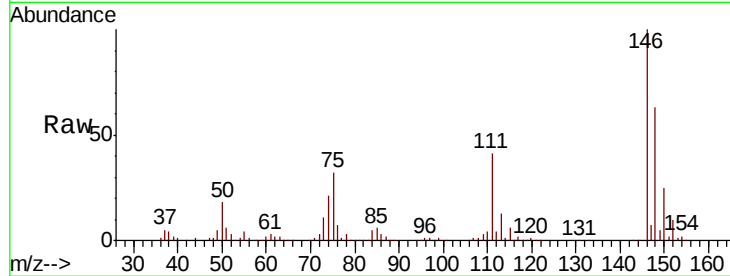
Tot Ion:146 Resp: 263967

Ion Ratio Lower Upper

146 100

111 40.9 33.8 50.6

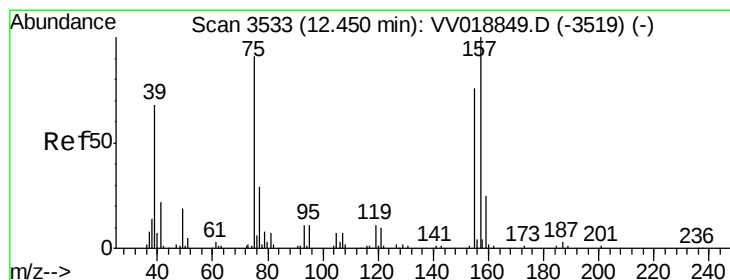
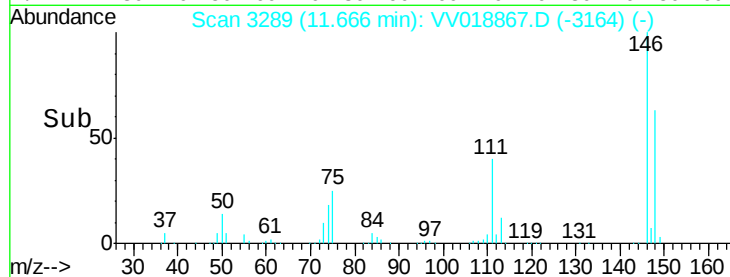
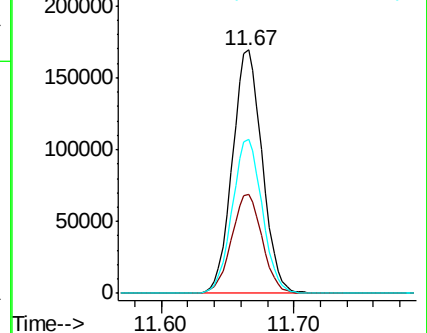
148 63.0 50.3 75.5



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: 51.955 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

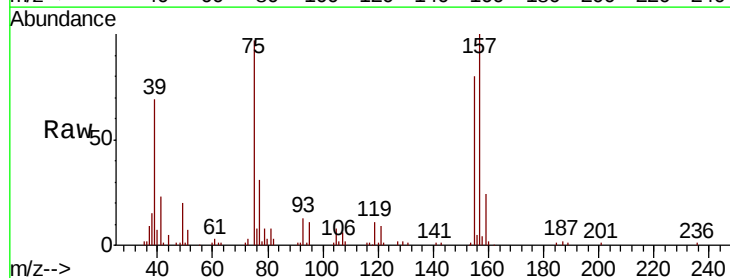
Tgt Ion: 75 Resp: 40180

Ion Ratio Lower Upper

75 100

155 82.6 65.8 98.8

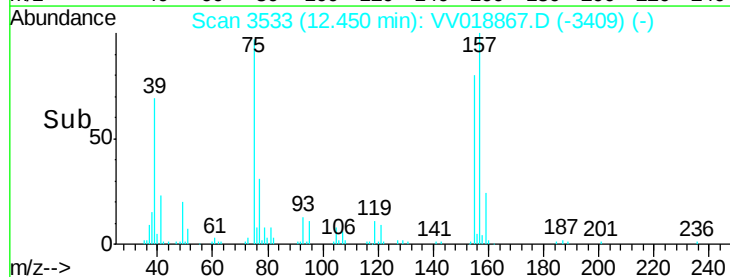
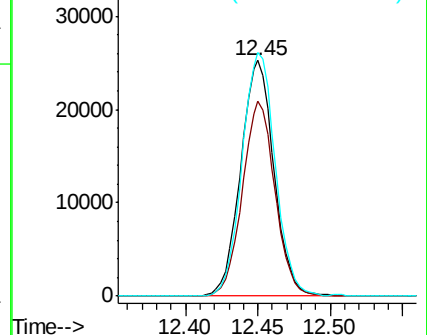
157 103.3 83.0 124.6

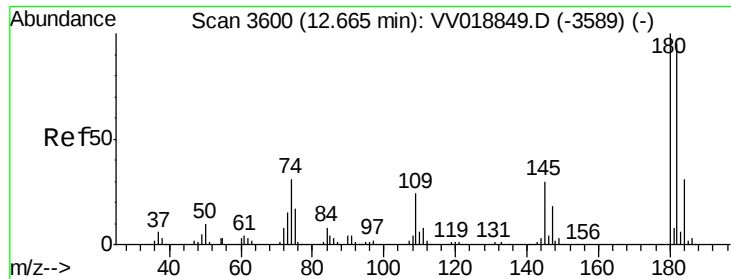


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

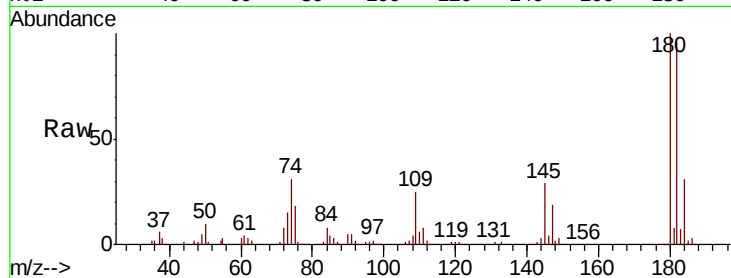




#67
 1,3,5-Trichlorobenzene
 Concen: 48.731 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.6
184	30.5	24.6	37.0
145	29.1	23.4	35.0

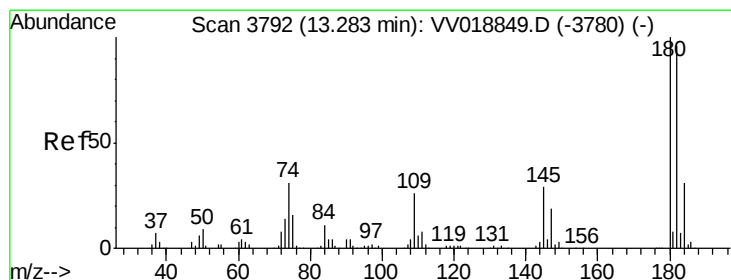
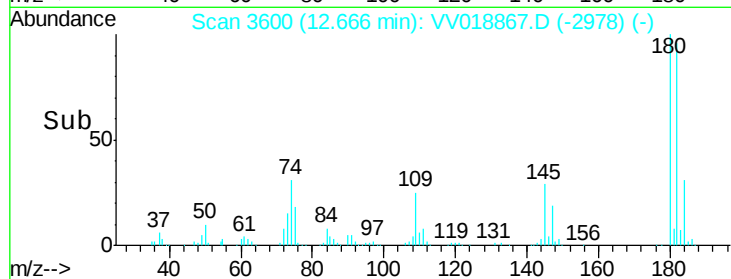
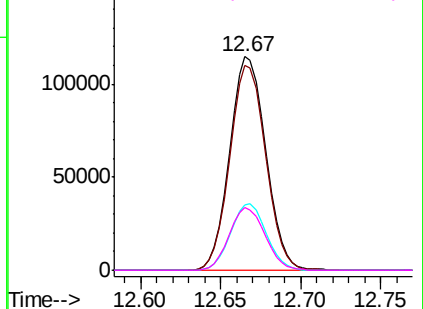


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

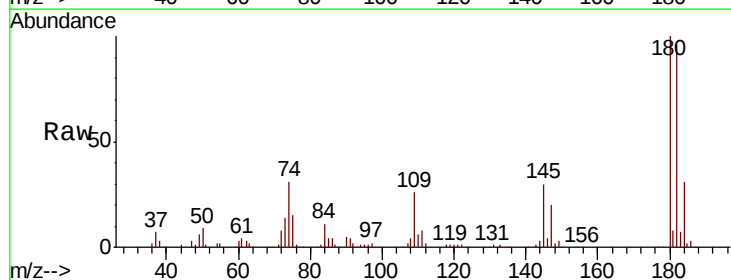
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.998 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018867.D
 Acq: 12 Oct 2020 19:28

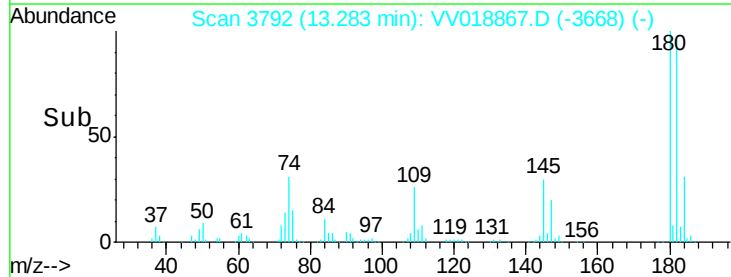
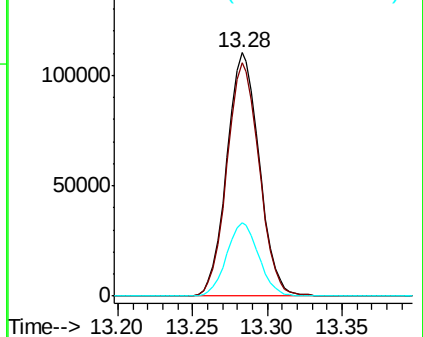
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.7	115.1
145	29.7	24.0	36.0

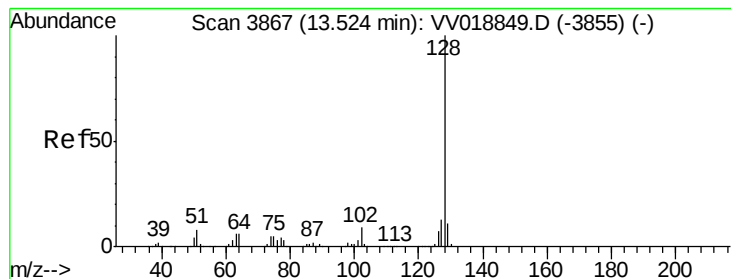


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.522 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

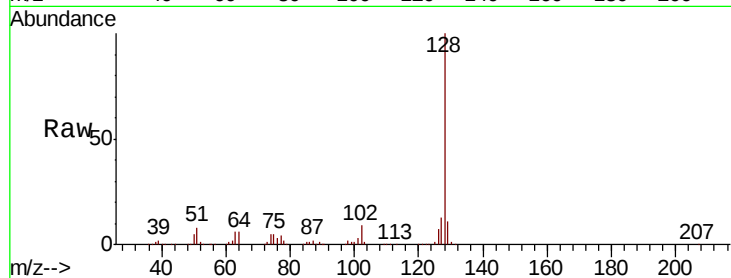
Tot Ion:128 Resp: 503333

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

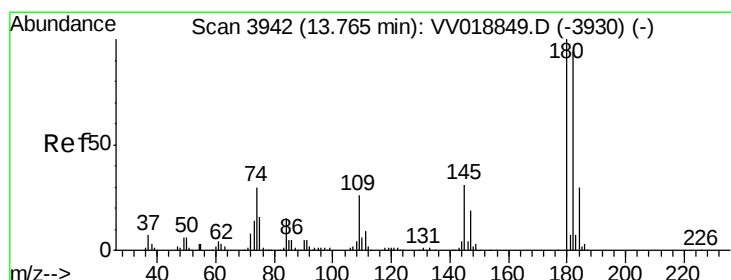
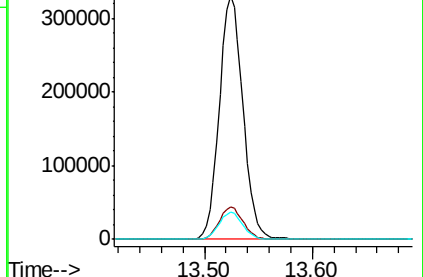
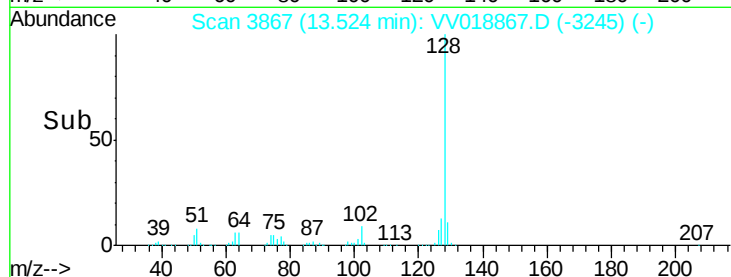
129 11.1 8.6 13.0



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: 51.591 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018867.D

Acq: 12 Oct 2020 19:28

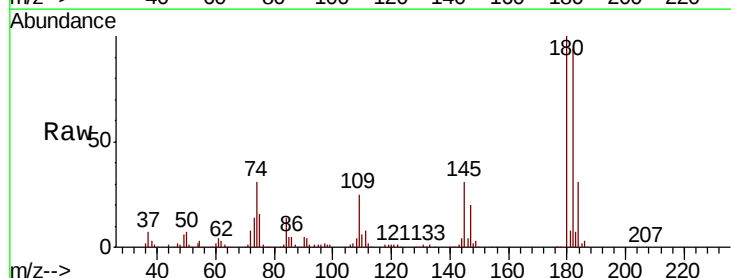
Tgt Ion:180 Resp: 174192

Ion Ratio Lower Upper

180 100

182 94.8 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

