

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019689.D
 Acq On : 18 Dec 2020 10:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Quant Time: Dec 19 05:24:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 15:12:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	609865	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	577945	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	298492	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	206001	47.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.22%
7) Chloroethane-d5	1.57	69	168332	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.11	63	396209	48.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.62%
21) 2-Butanone-d5	3.88	46	302371	127.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.21%
24) Chloroform-d	4.35	84	395071	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.26%
26) 1,2-Dichloroethane-d4	5.03	65	257378	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.94%
32) Benzene-d6	5.05	84	753241	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.07	67	238339	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.72%
41) Toluene-d8	7.32	98	670522	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%
43) trans-1,3-Dichloropropene-	7.62	79	126652	46.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.22%
47) 2-Hexanone-d5	8.09	63	221363	116.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.81%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	320522	49.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.16%
64) 1,2-Dichlorobenzene-d4	11.63	152	257390	46.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.26%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	236590	48.071	ug/L	99
3) Chloromethane	1.24	50	246987	47.212	ug/L	100
5) Vinyl chloride	1.31	62	251583	47.944	ug/L	99
6) Bromomethane	1.52	94	152532	48.403	ug/L	99
8) Chloroethane	1.59	64	152936	48.319	ug/L	99
9) Trichlorofluoromethane	1.75	101	322914	50.368	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	187475	52.951	ug/L	99
12) 1,1-Dichloroethene	2.12	96	178234	49.057	ug/L #	79
13) Acetone	2.18	43	213200	105.285	ug/L	98
14) Carbon disulfide	2.30	76	546100	45.745	ug/L	100
15) Methyl Acetate	2.43	43	222559	50.445	ug/L	98
16) Methylene chloride	2.51	84	208511	48.949	ug/L	99
17) trans-1,2-Dichloroethene	2.76	96	195881	49.188	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	663983	47.717	ug/L	99
19) 1,1-Dichloroethane	3.19	63	383200	49.634	ug/L	100
20) cis-1,2-Dichloroethene	3.91	96	215211	49.161	ug/L #	100
22) 2-Butanone	3.97	43	313529	105.552	ug/L	97

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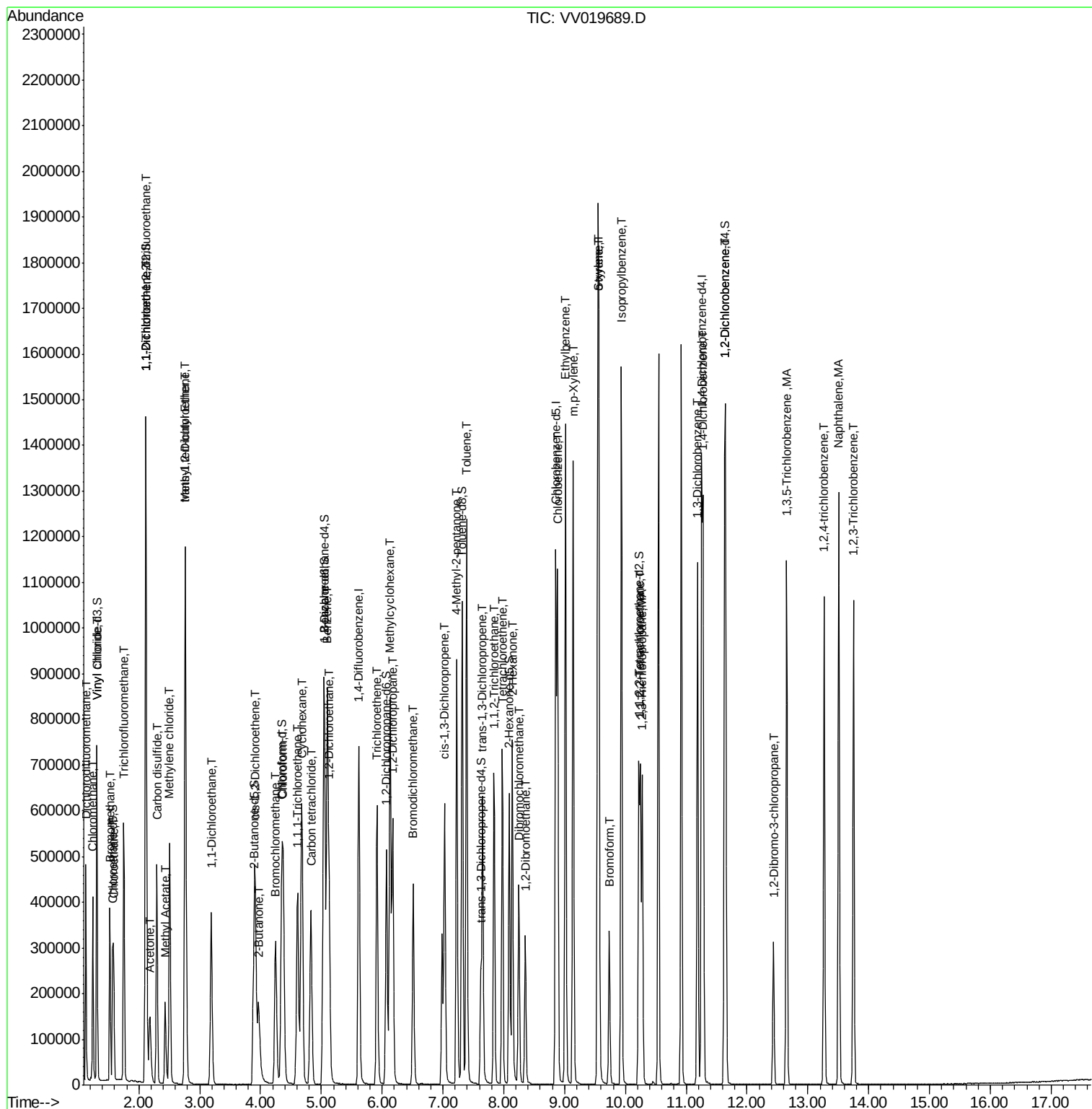
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	102952	47.797	ug/L	95
25) Chloroform	4.38	83	384543	49.872	ug/L	99
27) 1,2-Dichloroethane	5.13	62	307968	48.211	ug/L	100
29) Cyclohexane	4.68	56	348613	49.216	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	339323	46.824	ug/L	100
31) Carbon tetrachloride	4.83	117	285746	46.709	ug/L	99
33) Benzene	5.10	78	824473	48.812	ug/L	100
34) Trichloroethene	5.91	95	215116	48.211	ug/L	98
35) Methylcyclohexane	6.13	83	353362	52.130	ug/L	99
37) 1,2-Dichloropropane	6.17	63	219741	49.816	ug/L	100
38) Bromodichloromethane	6.51	83	291565	47.270	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	340665	46.500	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	612604	96.263	ug/L	99
42) Toluene	7.39	91	859884	48.302	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	344877	46.491	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	201173	48.026	ug/L	99
46) Tetrachloroethene	7.98	164	149827	48.528	ug/L	98
48) 2-Hexanone	8.14	43	473566	98.072	ug/L	98
49) Dibromochloromethane	8.25	129	214342	46.725	ug/L	100
50) 1,2-Dibromoethane	8.35	107	208906	47.359	ug/L	99
51) Chlorobenzene	8.88	112	549476	48.326	ug/L	99
52) Ethylbenzene	9.02	91	984515	48.539	ug/L	99
53) m,p-Xylene	9.14	106	366103	48.314	ug/L	100
54) o-xylene	9.55	106	354026	47.665	ug/L	100
55) Styrene	9.56	104	627271	48.457	ug/L	99
56) Isopropylbenzene	9.94	105	967925	48.917	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	320493	47.578	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	264049	48.126	ug/L	99
61) Bromoform	9.74	173	139543	42.250	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	424900	46.396	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	430765	46.451	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	421650	46.594	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	78452	41.532	ug/L	94
67) 1,3,5-Trichlorobenzene	12.65	180	311275	48.107	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	288647	47.711	ug/L	99
69) Naphthalene	13.51	128	935922	44.553	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	275537	46.605	ug/L	98

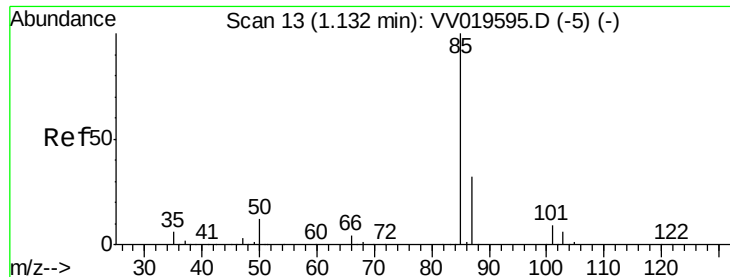
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.071 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

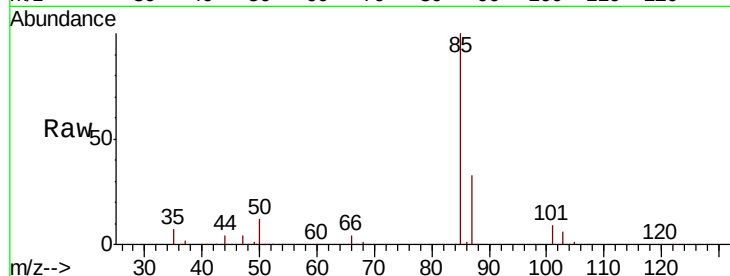
VSTD05094

Tot Ion: 85 Resp: 236590

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019595.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019595.D (-5) (-)

1.13

250000

200000

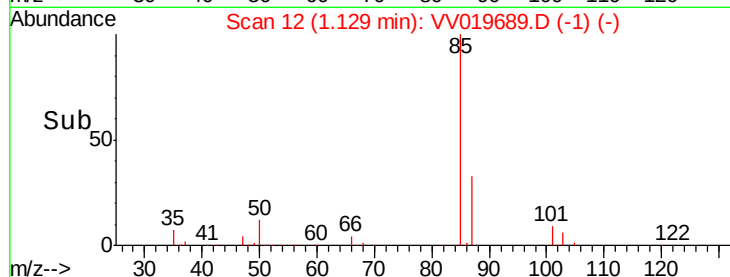
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100000

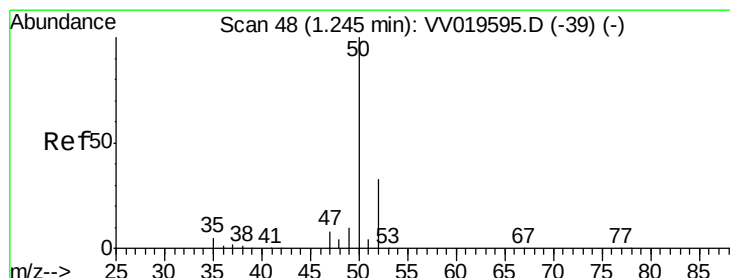
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 47.212 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019689.D

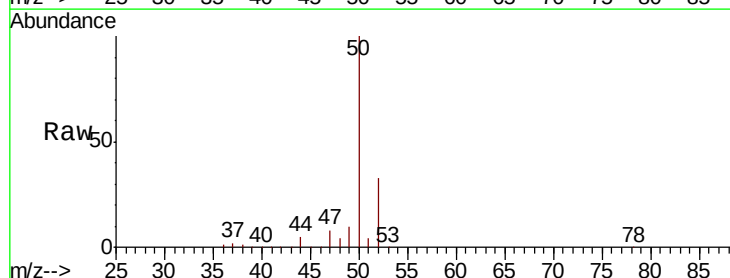
Acq: 18 Dec 2020 10:01

Tgt Ion: 50 Resp: 246987

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019595.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019595.D (-39) (-)

1.24

250000

200000

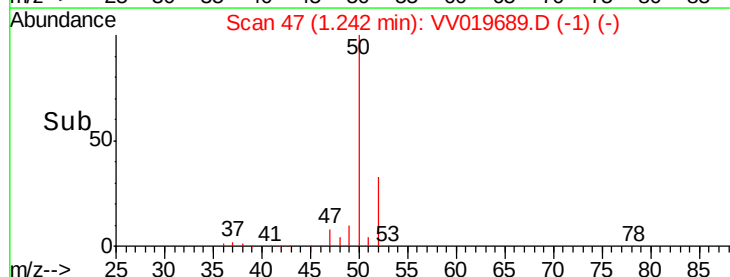
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100000

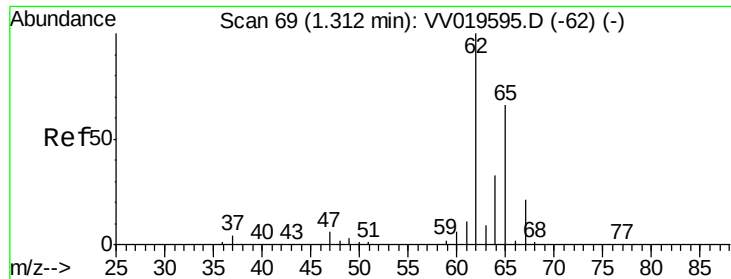
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 47.944 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

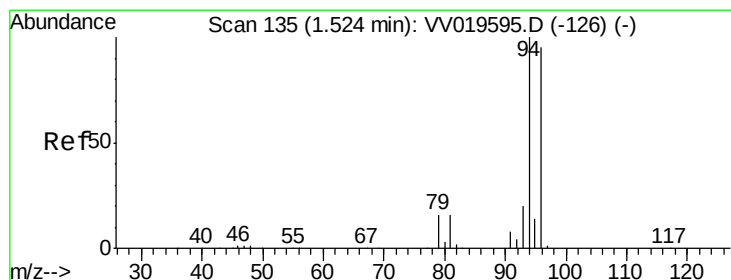
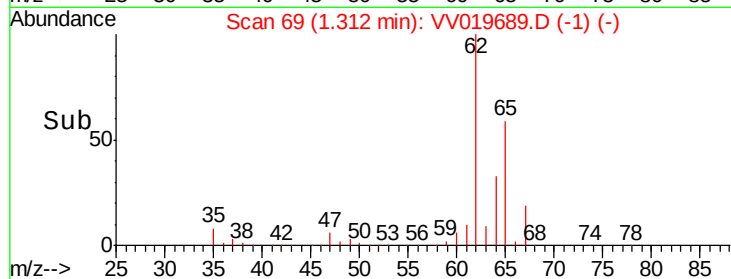
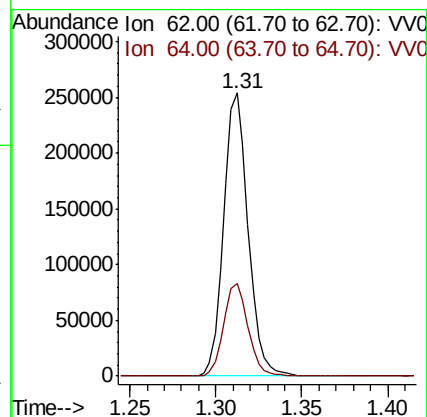
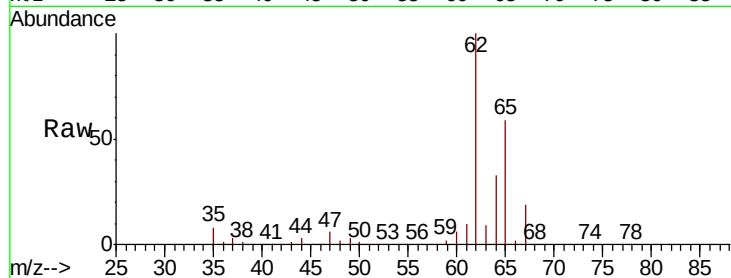
VSTD05094

Tot Ion: 62 Resp: 251583

Ion Ratio Lower Upper

62 100

64 32.6 22.5 41.7



#6

Bromomethane

Concen: 48.403 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019689.D

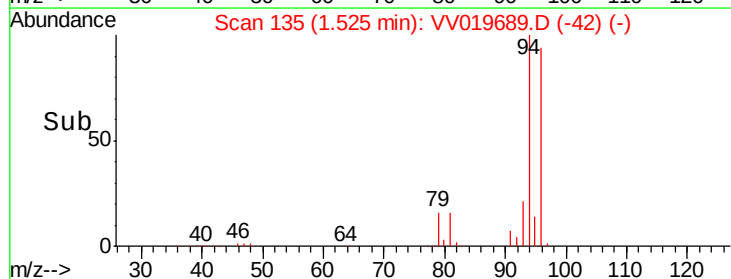
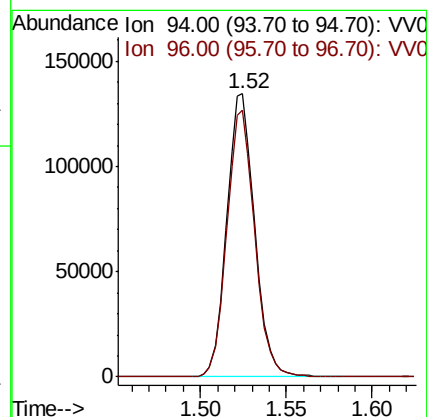
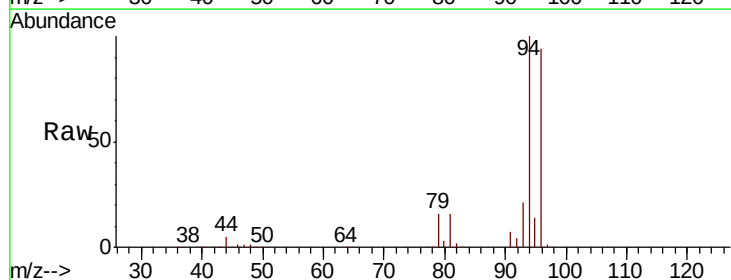
Acq: 18 Dec 2020 10:01

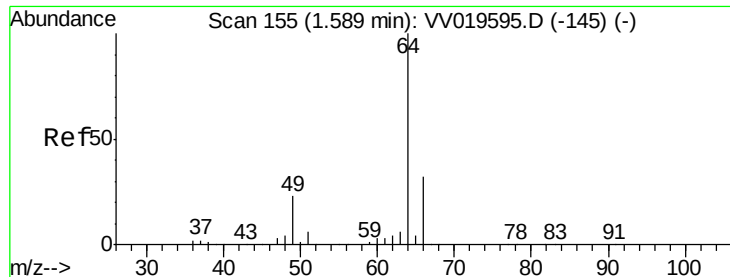
Tgt Ion: 94 Resp: 152532

Ion Ratio Lower Upper

94 100

96 94.1 65.2 121.2





#8

Chloroethane

Concen: 48.319 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

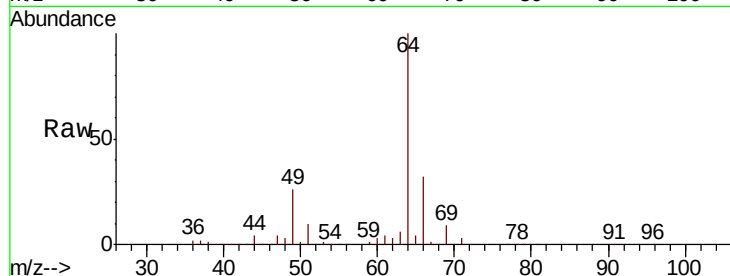
VSTD05094

Tot Ion: 64 Resp: 152936

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019595.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019595.D (-145) (-)

1.59

150000

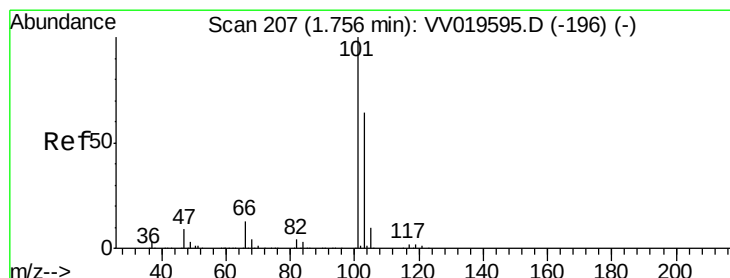
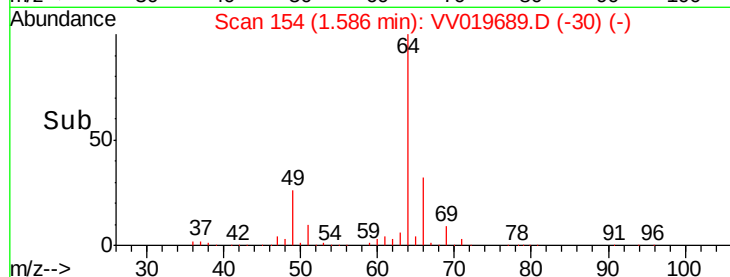
100000

50000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 50.368 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV019689.D

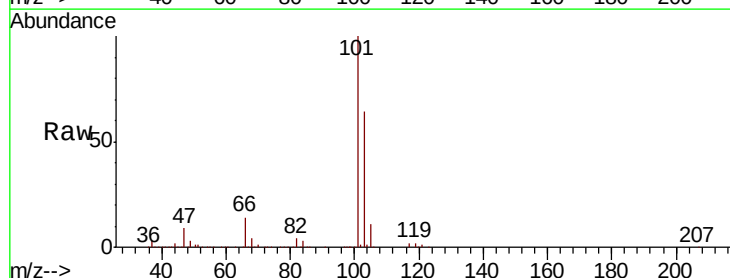
Acq: 18 Dec 2020 10:01

Tgt Ion: 101 Resp: 322914

Ion Ratio Lower Upper

101 100

103 63.6 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019595.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019595.D (-196) (-)

1.75

250000

200000

150000

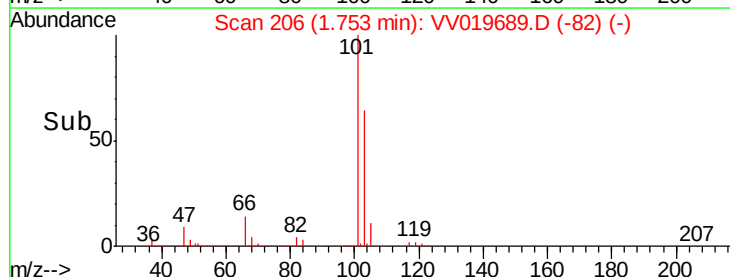
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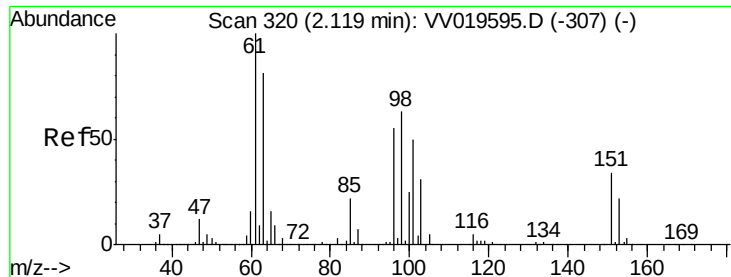
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 52.951 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

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ClientSampleId :

VSTD05094

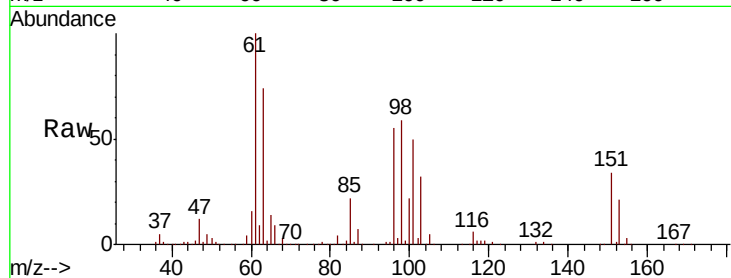
Tot Ion:101 Resp: 187475

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.4

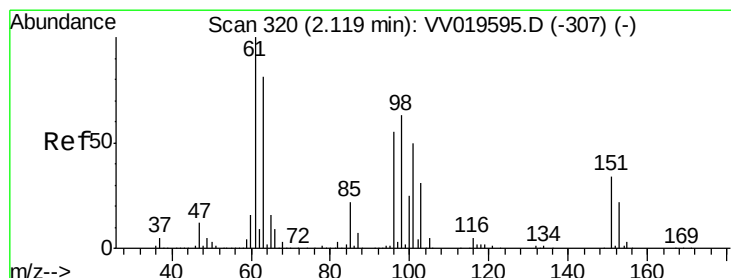
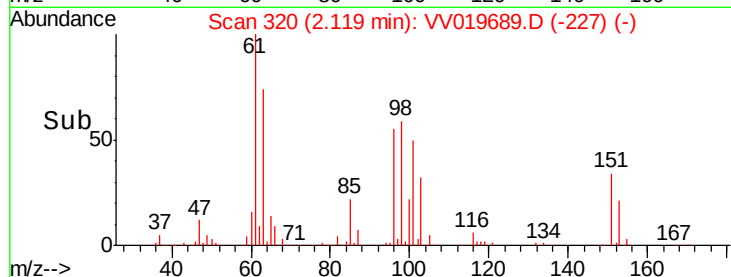
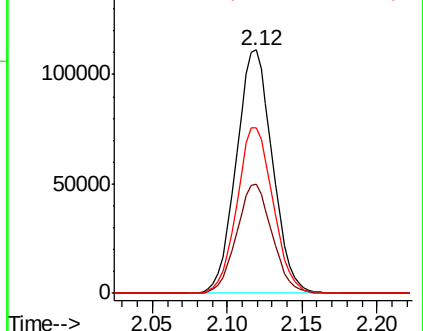
151 68.0 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019595.D (-307) (-)

Ion 85.00 (84.70 to 85.70): VV019595.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VV019595.D (-307) (-)



#12

1,1-Dichloroethene

Concen: 49.057 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

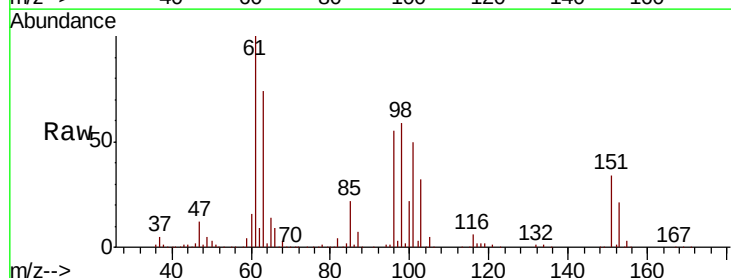
Tgt Ion: 96 Resp: 178234

Ion Ratio Lower Upper

96 100

61 182.6 120.7 224.1

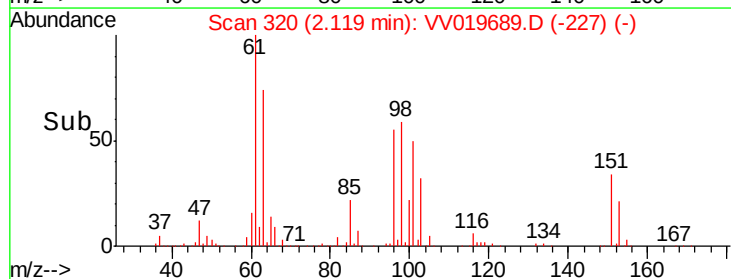
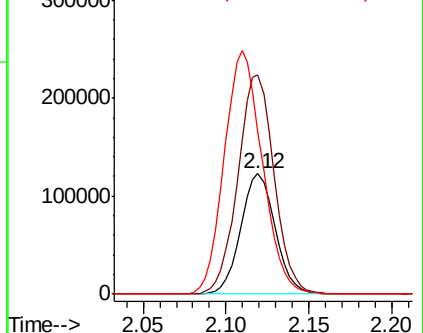
63 135.5 64.3 119.5#

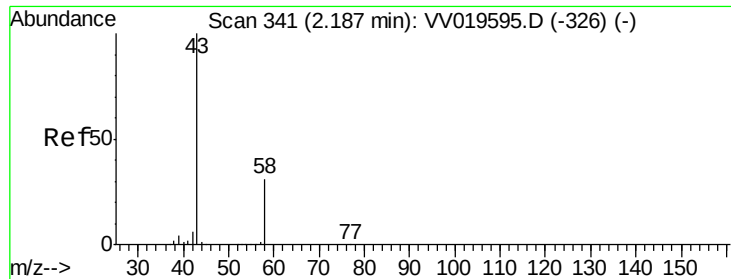


Abundance Ion 96.00 (95.70 to 96.70): VV019689.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019689.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019689.D (-227) (-)





#13

Acetone

Concen: 105.285 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

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MSVOA_V

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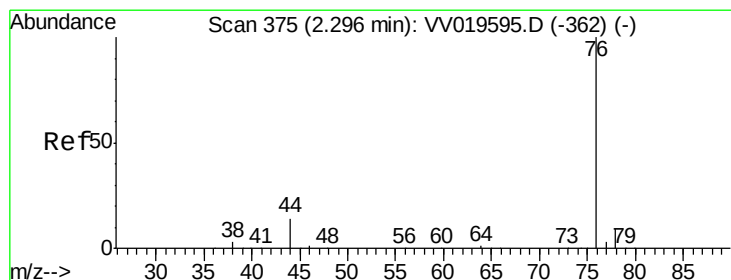
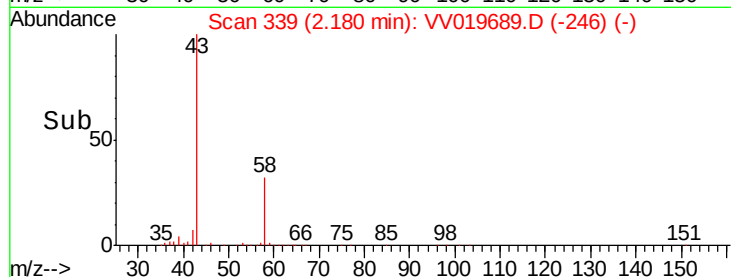
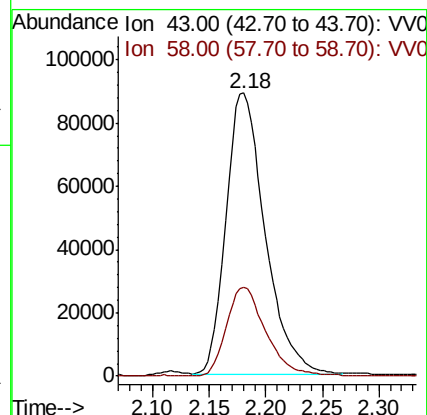
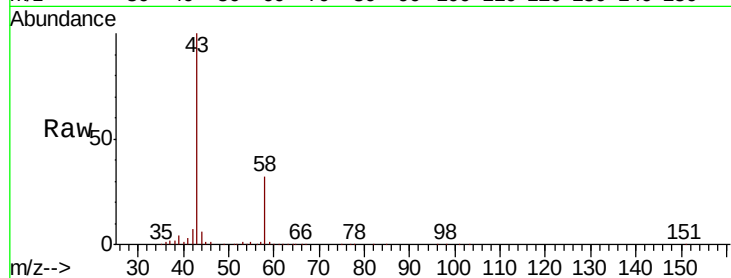
VSTD05094

Tot Ion: 43 Resp: 213200

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.6



#14

Carbon disulfide

Concen: 45.745 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019689.D

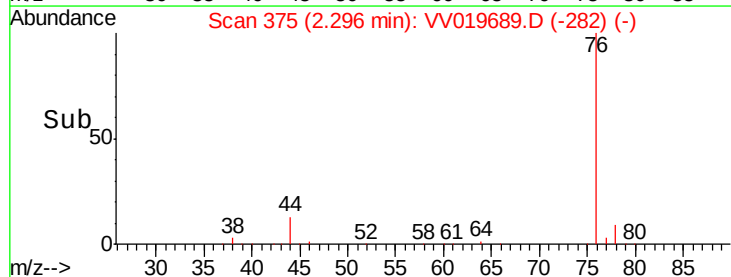
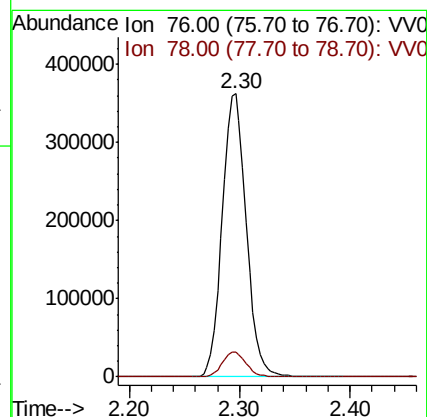
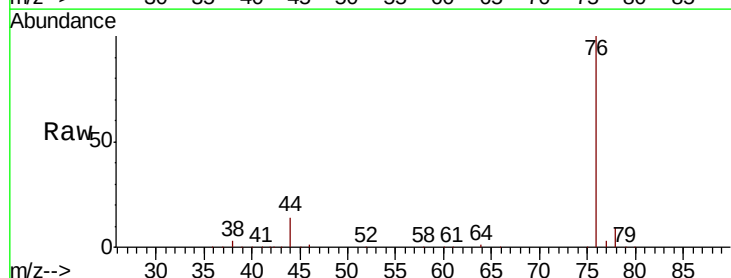
Acq: 18 Dec 2020 10:01

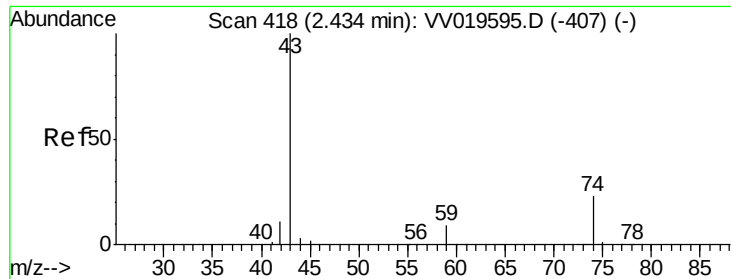
Tgt Ion: 76 Resp: 546100

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

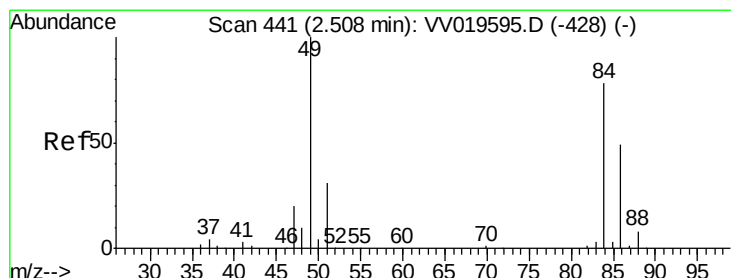
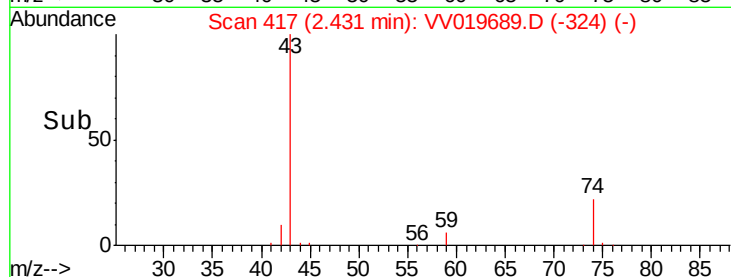
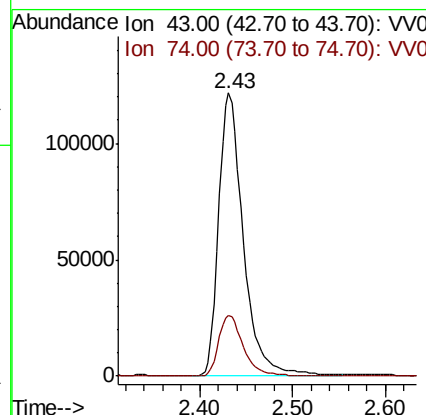
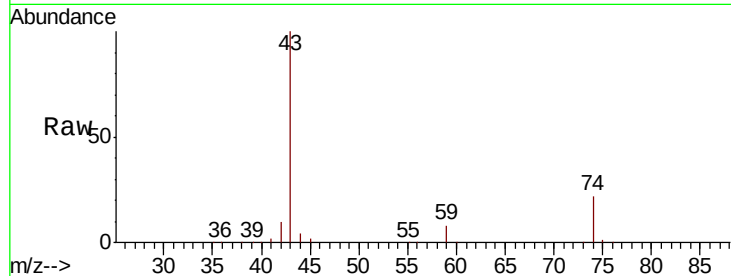




#15
Methvl Acetate
Concen: 50.445 ug/L
RT: 2.43 min Scan# 417
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

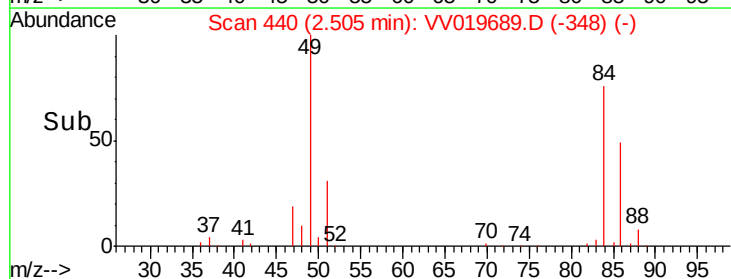
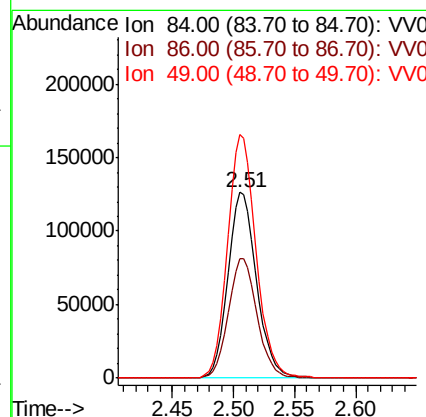
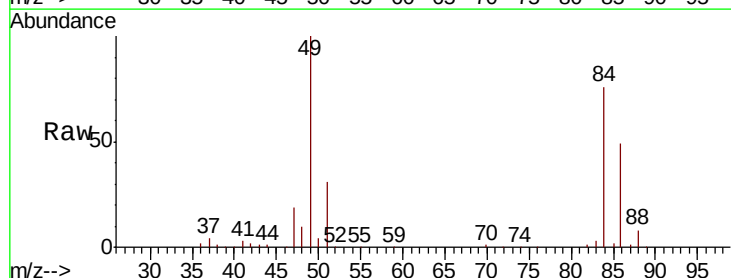
Instrument :
MSVOA_V
ClientSampled :
VSTD05094

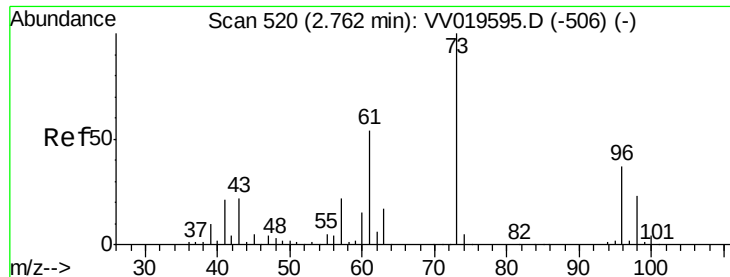
Tot Ion: 43 Resp: 222559
Ion Ratio Lower Upper
43 100
74 21.7 18.2 27.4



#16
Methylene chloride
Concen: 48.949 ug/L
RT: 2.51 min Scan# 440
Delta R.T. -0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Tgt Ion: 84 Resp: 208511
Ion Ratio Lower Upper
84 100
86 64.1 45.7 84.9
49 131.0 90.6 168.3

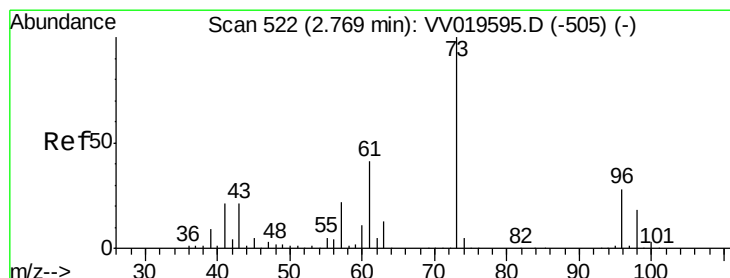
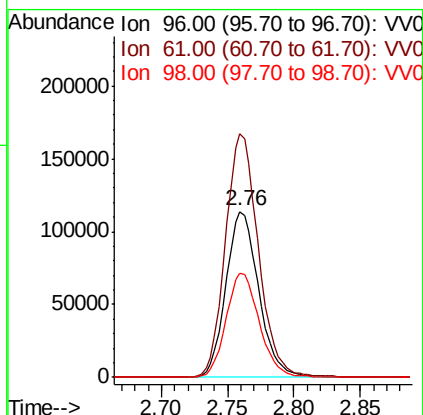
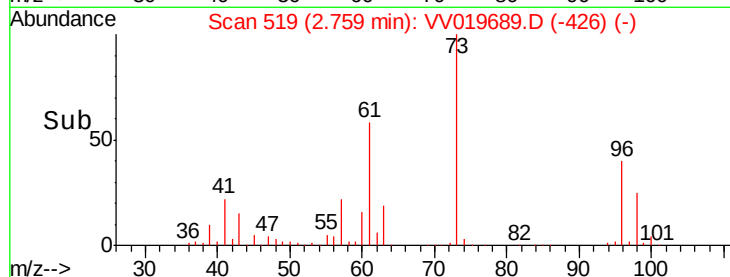
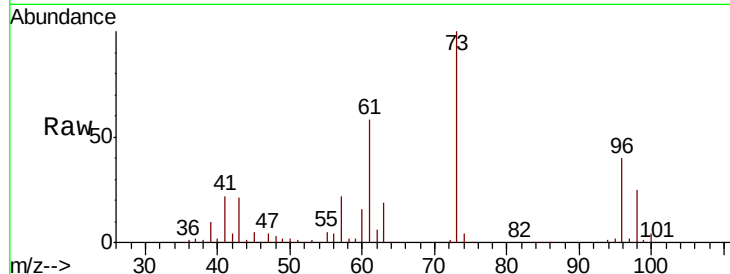




#17
trans-1,2-Dichloroethene
Concen: 49.188 ug/L
RT: 2.76 min Scan# 519
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

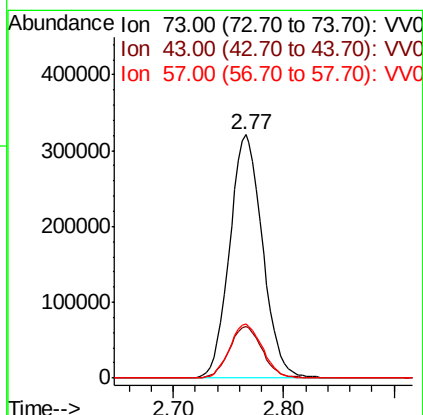
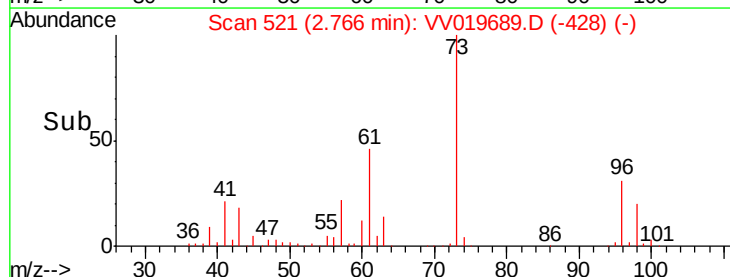
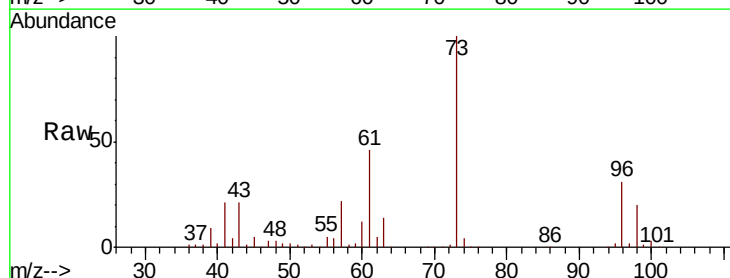
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

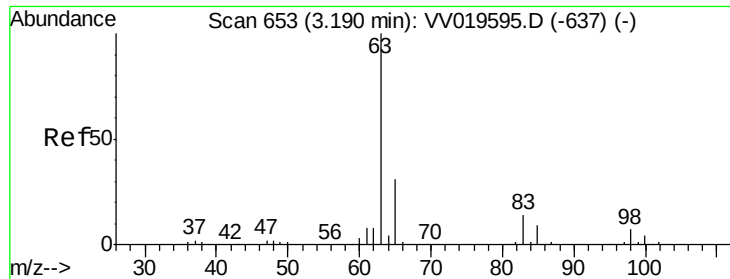
Tot Ion: 96 Resp: 195881
Ion Ratio Lower Upper
96 100
61 147.0 103.5 192.1
98 63.1 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 47.717 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Tgt Ion: 73 Resp: 663983
Ion Ratio Lower Upper
73 100
43 21.2 17.3 25.9
57 22.3 17.5 26.3

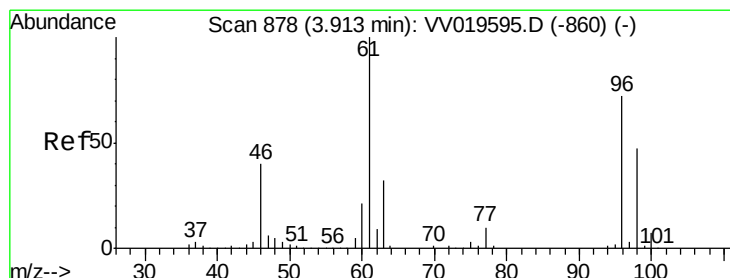
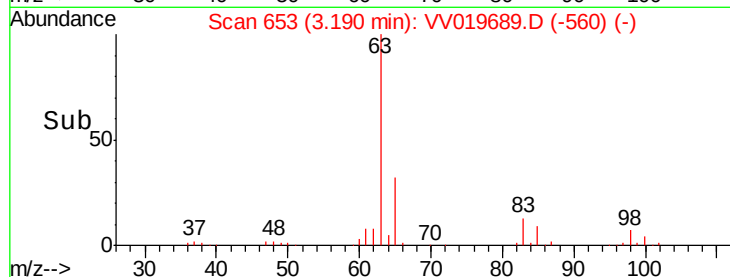
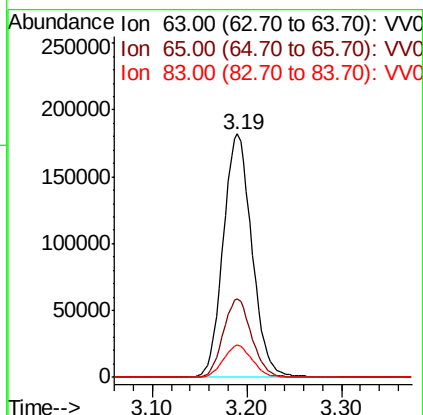
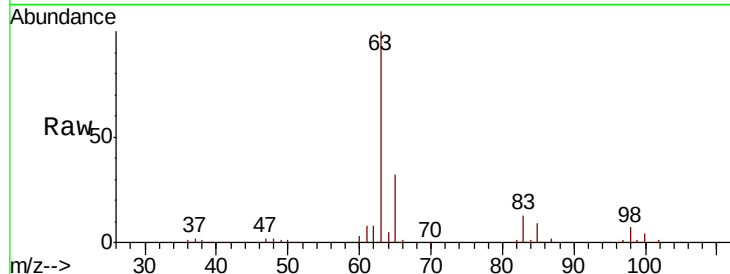




#19
 1,1-Dichloroethane
 Concen: 49.634 ug/L
 RT: 3.19 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

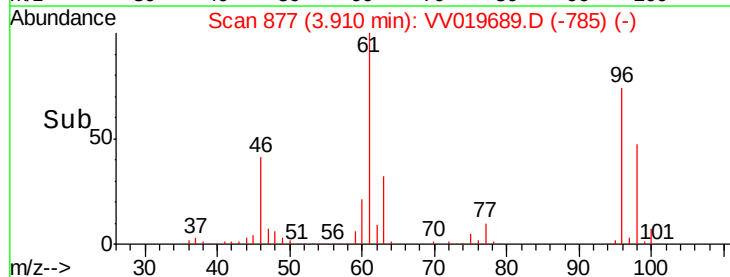
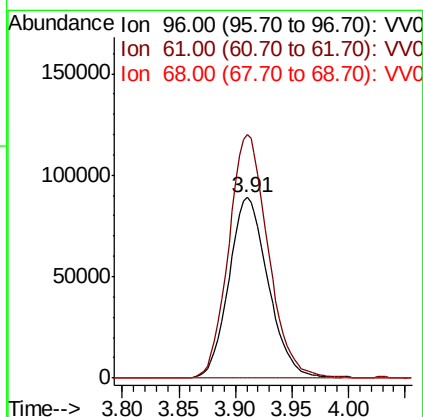
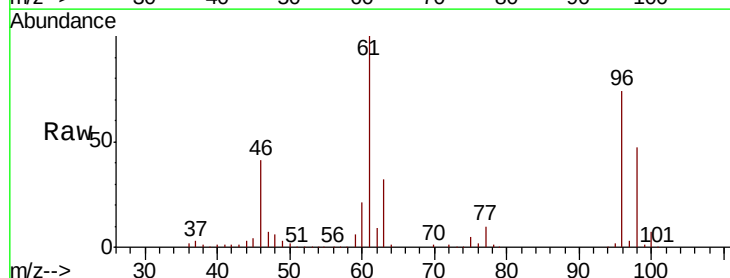
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

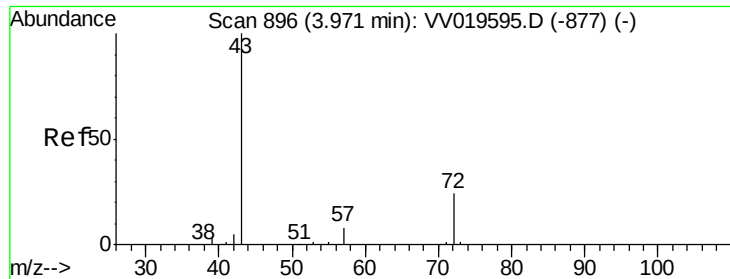
Tot Ion: 63 Resp: 383200
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.4 41.6
 83 13.5 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.161 ug/L
 RT: 3.91 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

Tgt Ion: 96 Resp: 215211
 Ion Ratio Lower Upper
 96 100
 61 134.7 94.1 174.8
 68 0.0 0.1 0.1#





#22

2-Butanone

Concen: 105.552 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

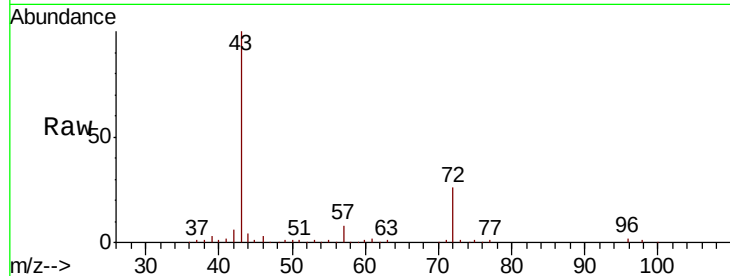
VSTD05094

Tot Ion: 43 Resp: 313529

Ion Ratio Lower Upper

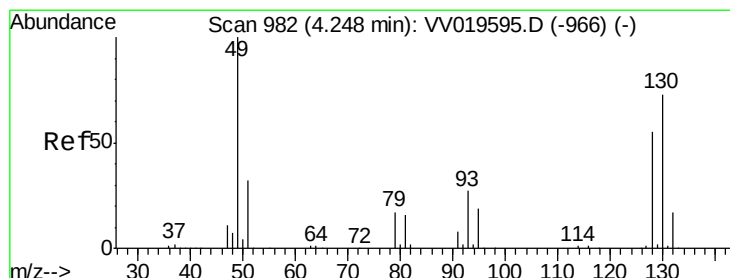
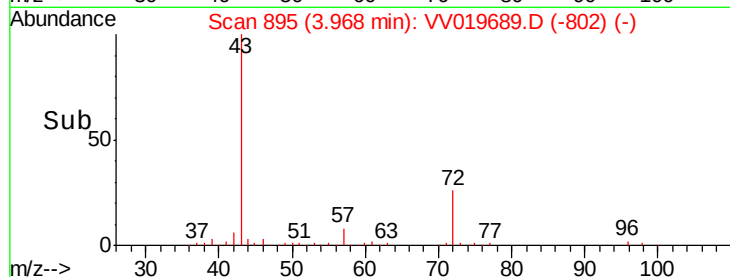
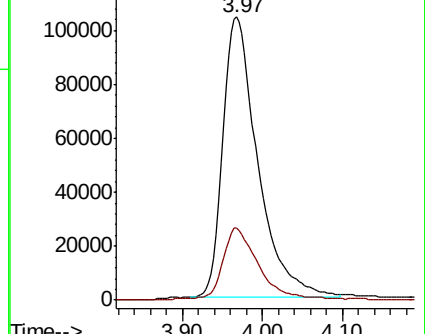
43 100

72 26.1 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019595.D (-877) (-)

Ion 72.00 (71.70 to 72.70): VV019595.D (-877) (-)



#23

Bromochloromethane

Concen: 47.797 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Tgt Ion: 128 Resp: 102952

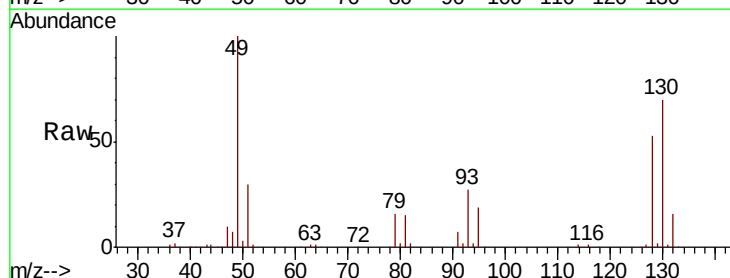
Ion Ratio Lower Upper

128 100

49 190.2 127.0 235.8

130 132.6 90.3 167.7

51 57.6 44.5 66.7

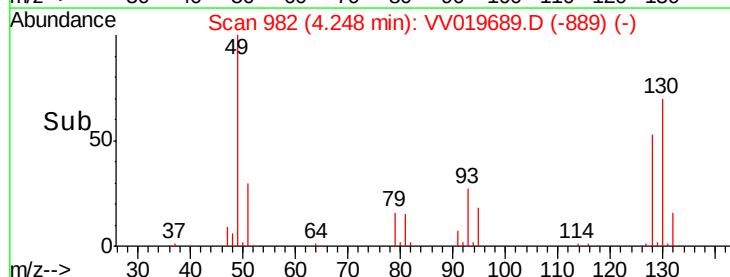
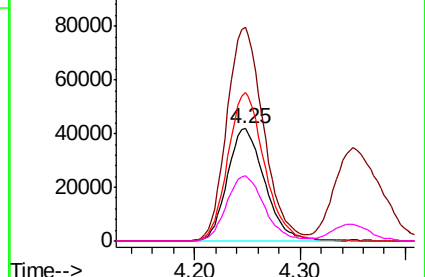


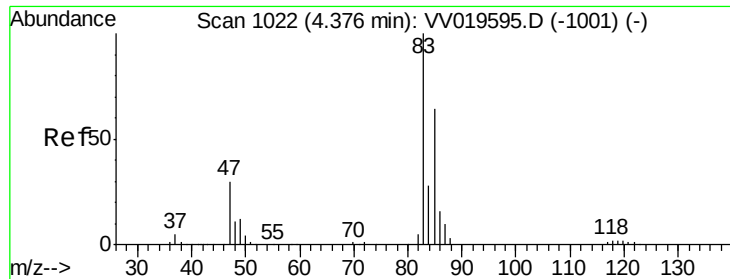
Abundance Ion 128.00 (127.70 to 128.70): VV019595.D (-966) (-)

Ion 49.00 (48.70 to 49.70): VV019595.D (-966) (-)

Ion 130.00 (129.70 to 130.70): VV019595.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VV019595.D (-966) (-)

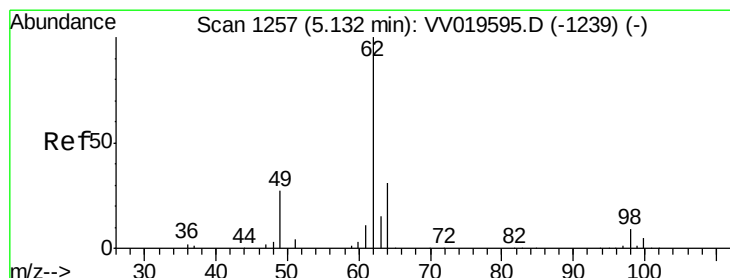
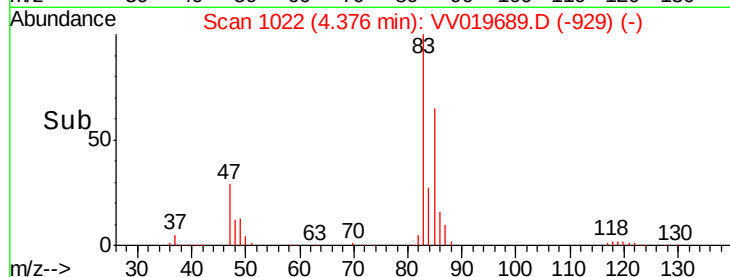
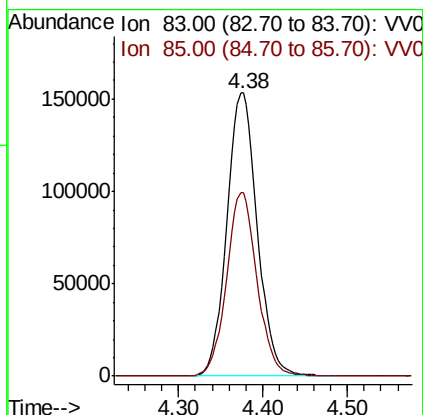
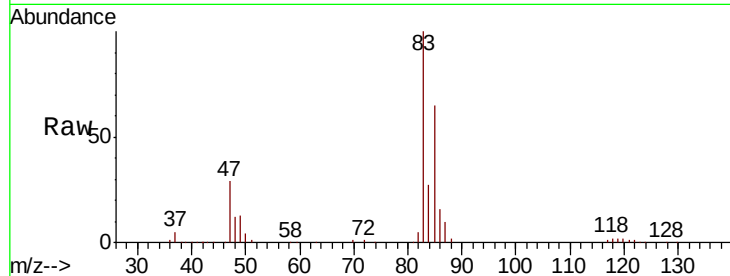




#25
Chloroform
Concen: 49.872 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

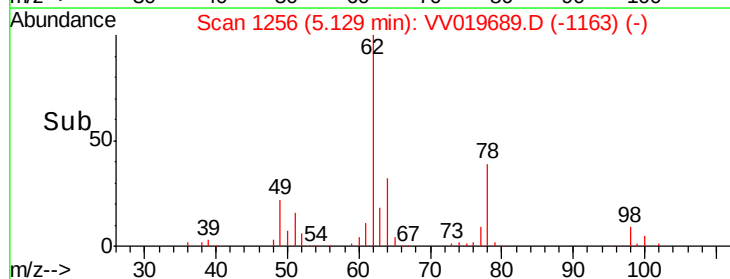
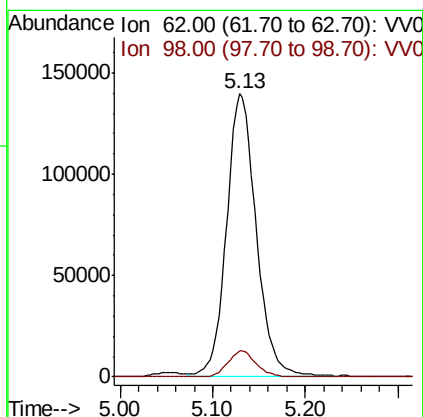
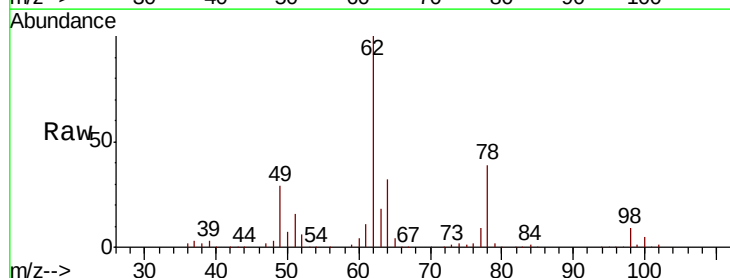
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

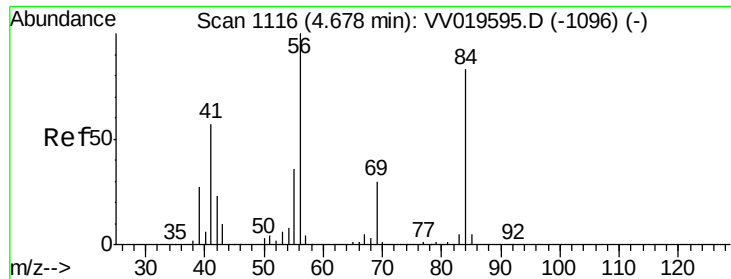
Tot Ion: 83 Resp: 384543
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 48.211 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Tgt Ion: 62 Resp: 307968
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0

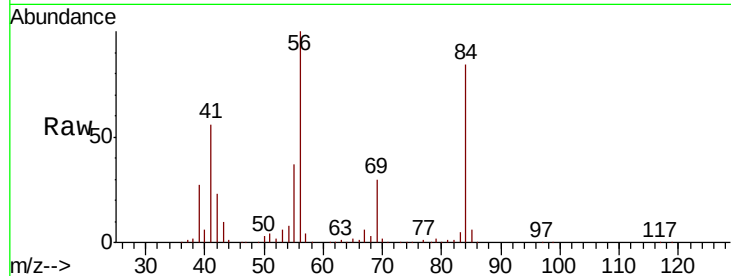




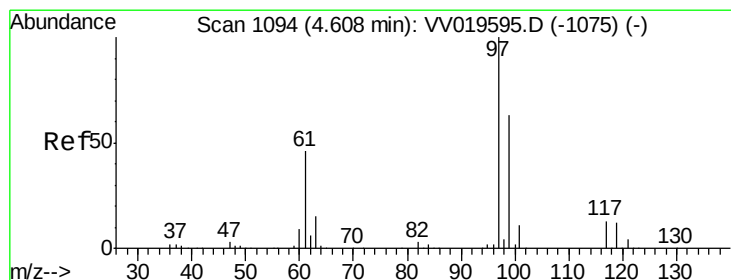
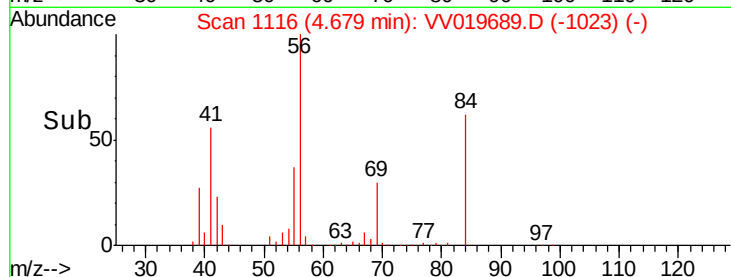
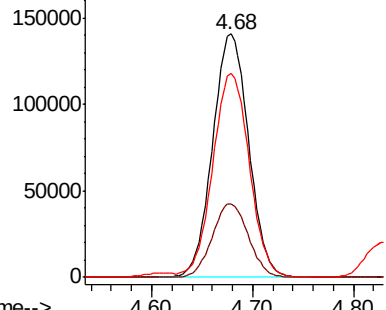
#29
Cyclohexane
Concen: 49.216 ug/L
RT: 4.68 min Scan# 1116
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion: 56 Resp: 348613
Ion Ratio Lower Upper
56 100
69 30.5 24.6 37.0
84 84.6 68.2 102.4

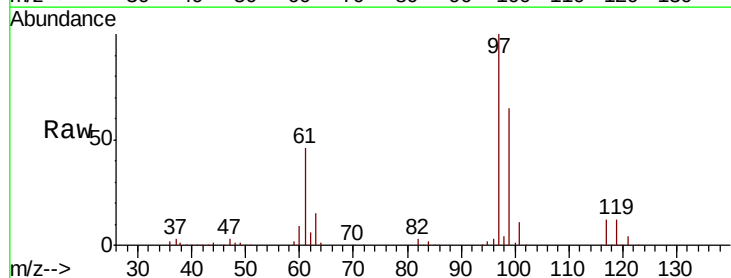


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

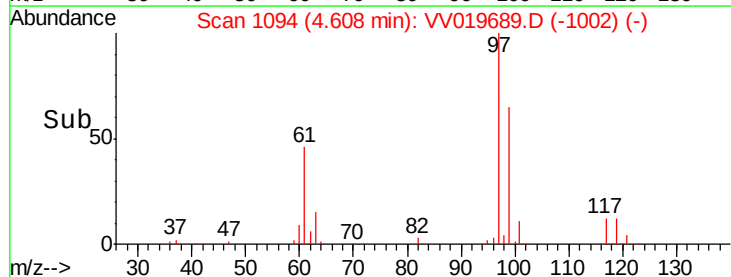
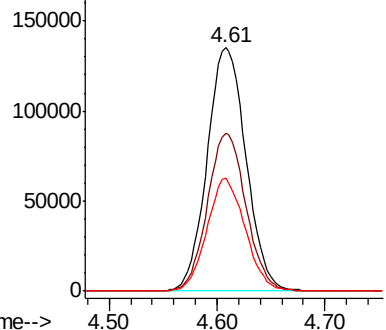


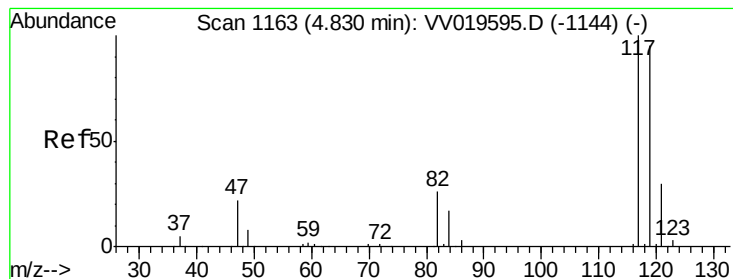
#30
1,1,1-Trichloroethane
Concen: 46.824 ug/L
RT: 4.61 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Tgt Ion: 97 Resp: 339323
Ion Ratio Lower Upper
97 100
99 64.3 51.3 76.9
61 45.8 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 46.709 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

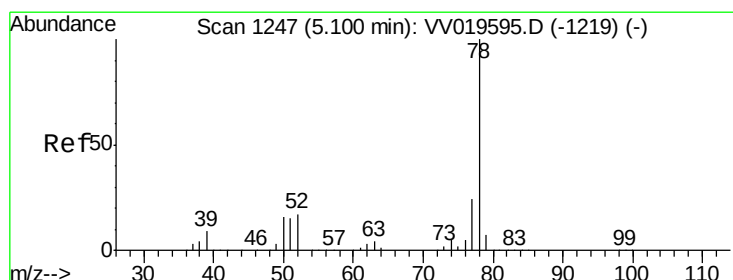
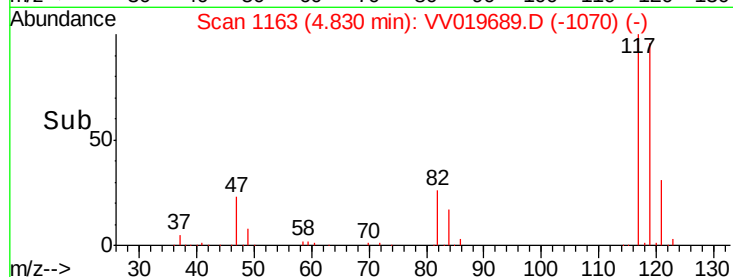
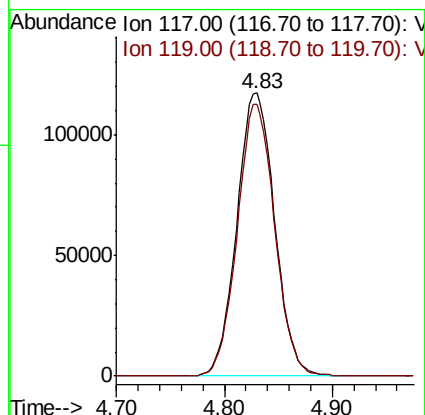
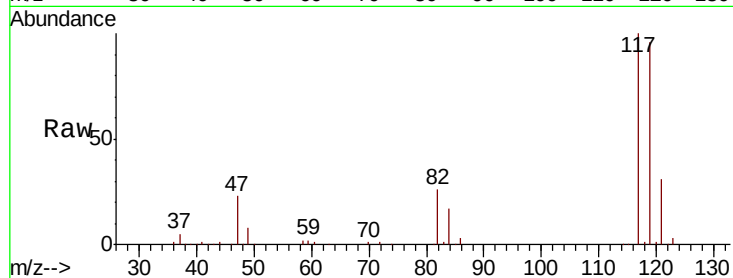
VSTD05094

Tot Ion:117 Resp: 285746

Ion Ratio Lower Upper

117 100

119 95.1 75.7 113.5



#33

Benzene

Concen: 48.812 ug/L

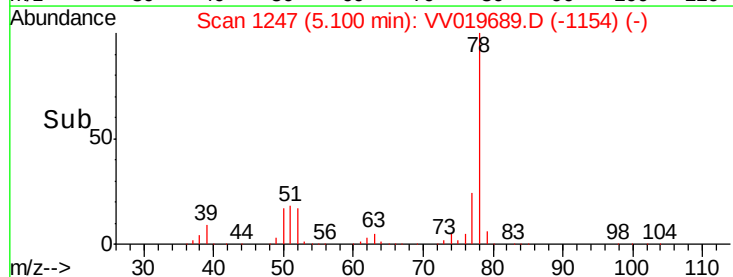
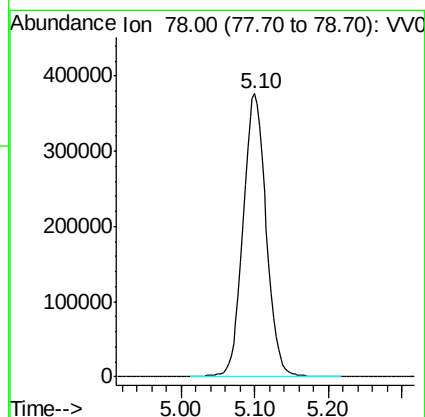
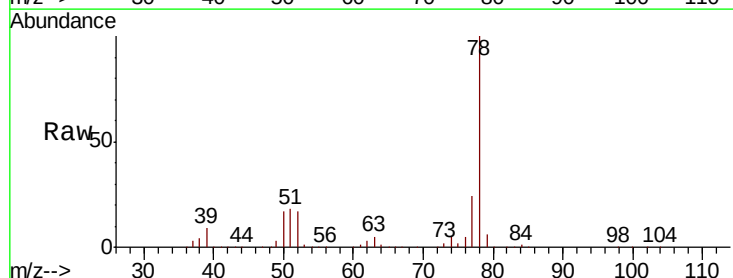
RT: 5.10 min Scan# 1247

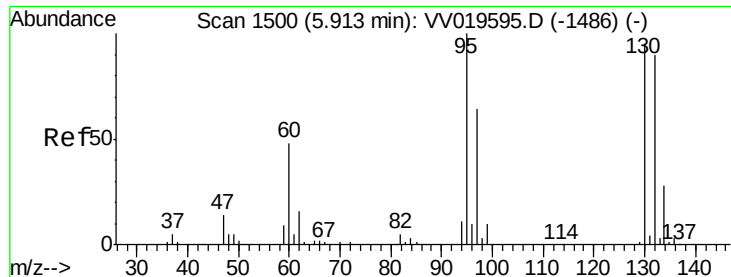
Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Tgt Ion: 78 Resp: 824473

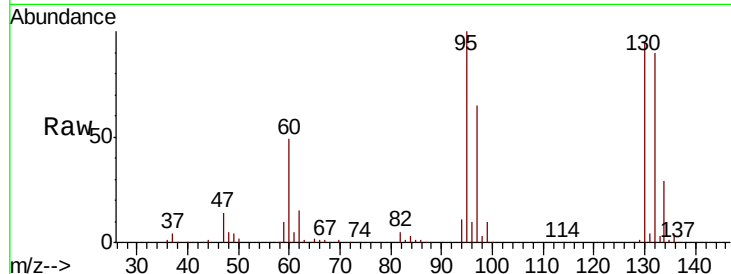




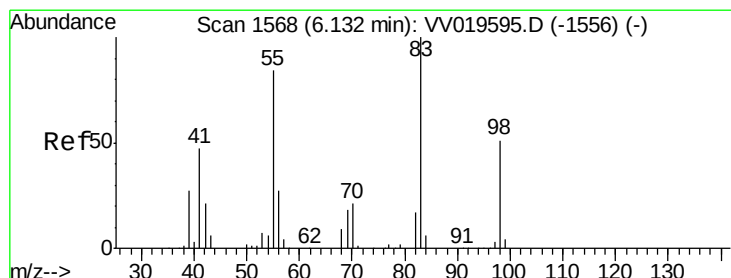
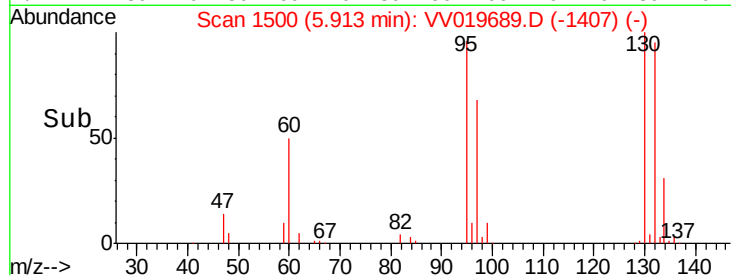
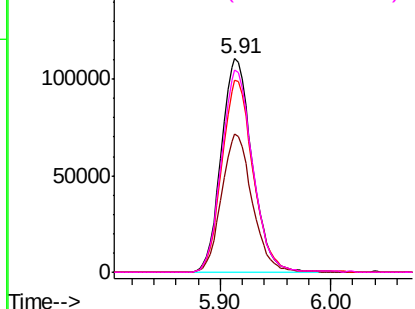
#34
 Trichloroethene
 Concen: 48.211 ug/L
 RT: 5.91 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tot Ion: 95 Resp: 215116
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.4 82.4
 132 90.2 64.3 119.3
 130 94.8 67.8 125.8

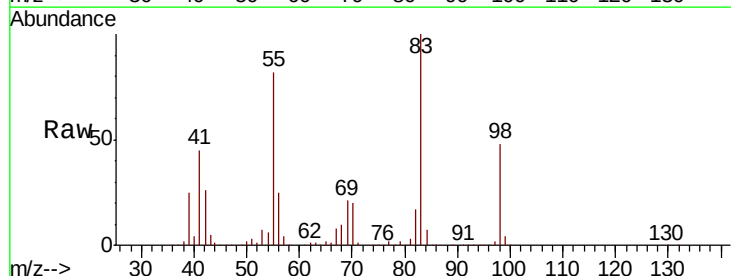


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

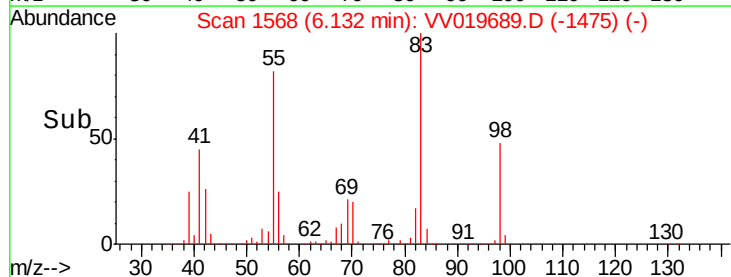
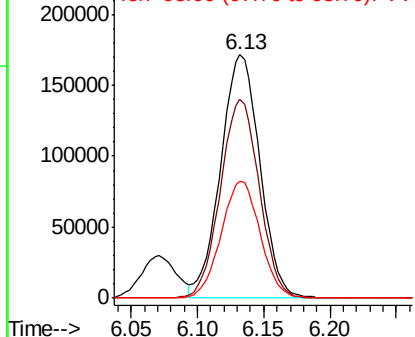


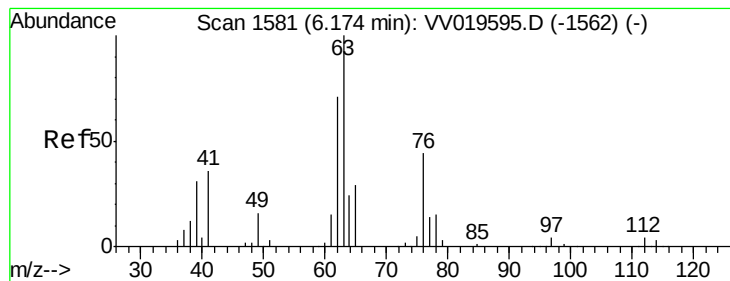
#35
 Methylcyclohexane
 Concen: 52.130 ug/L
 RT: 6.13 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

Tgt Ion: 83 Resp: 353362
 Ion Ratio Lower Upper
 83 100
 55 80.4 64.2 96.4
 98 47.9 39.3 58.9



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: 49.816 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

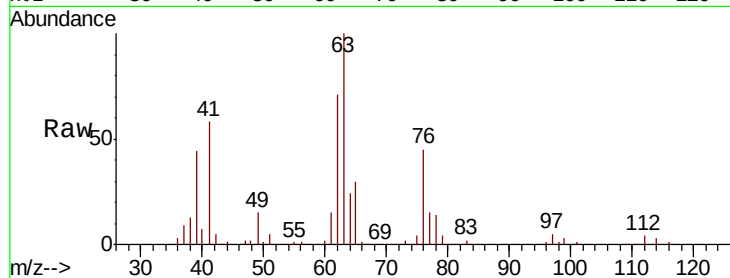
VSTD05094

Tot Ion: 63 Resp: 219741

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3

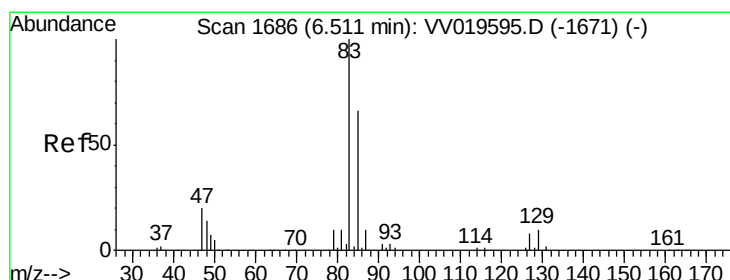
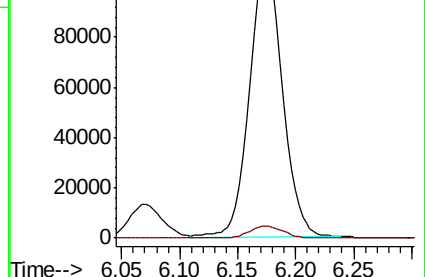
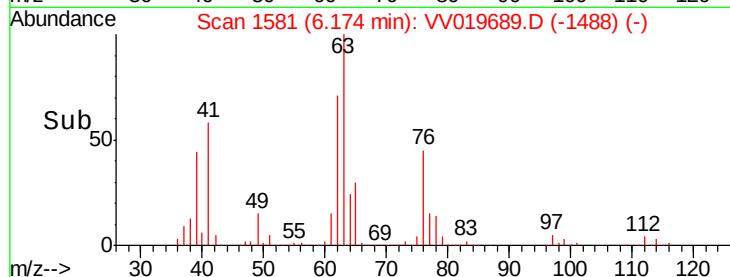


Abundance Ion 63.00 (62.70 to 63.70): VV019595.D (-1562) (-)

Ion 112.00 (111.70 to 112.70): VV019595.D (-1562) (-)

6.17

Time-->



#38

Bromodichloromethane

Concen: 47.270 ug/L

RT: 6.51 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

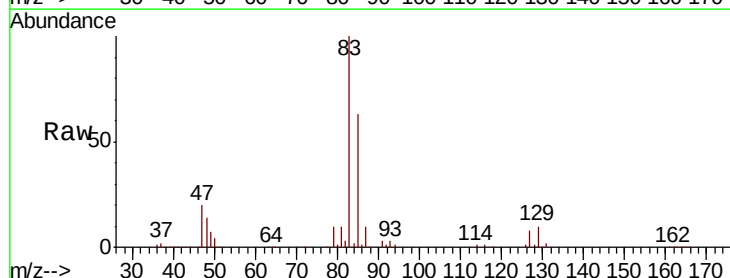
Tgt Ion: 83 Resp: 291565

Ion Ratio Lower Upper

83 100

85 63.1 44.9 83.5

127 8.1 6.7 10.1



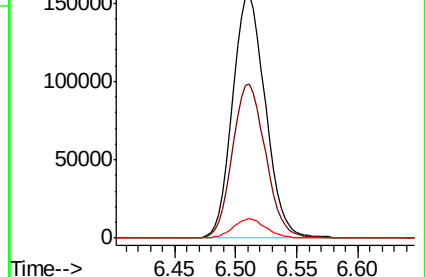
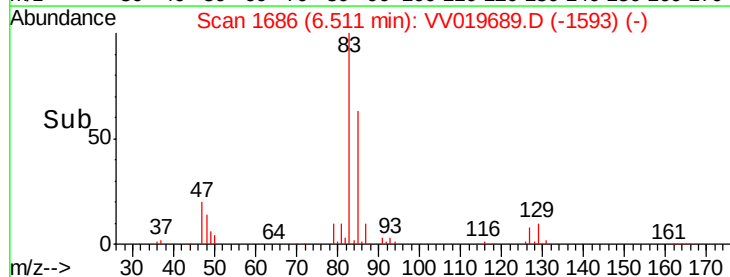
Abundance Ion 83.00 (82.70 to 83.70): VV019595.D (-1671) (-)

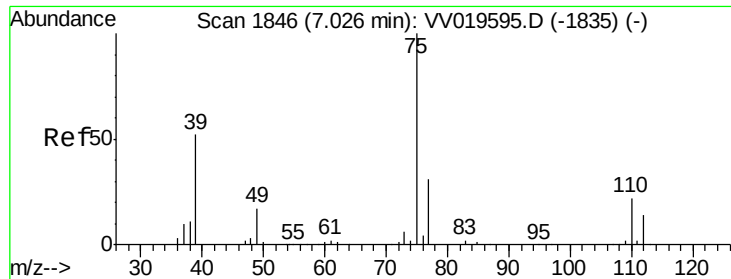
Ion 85.00 (84.70 to 85.70): VV019595.D (-1671) (-)

Ion 127.00 (126.70 to 127.70): VV019595.D (-1671) (-)

6.51

Time-->

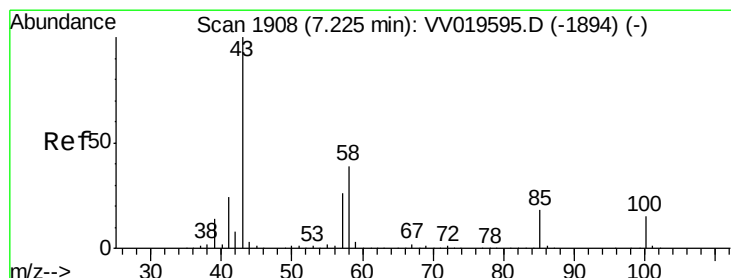
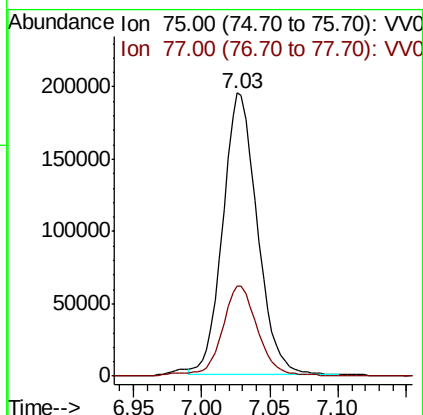
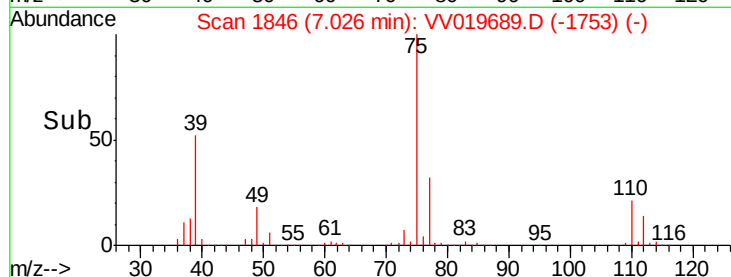
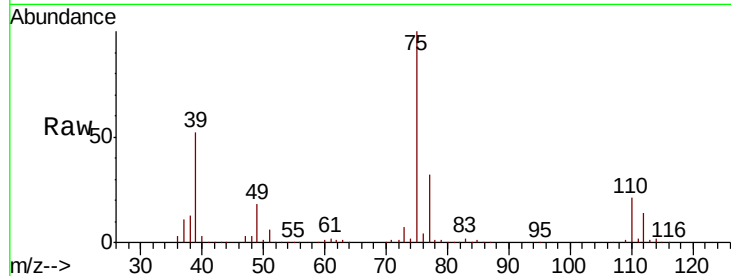




#39
 cis-1,3-Dichloropropene
 Concen: 46.500 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

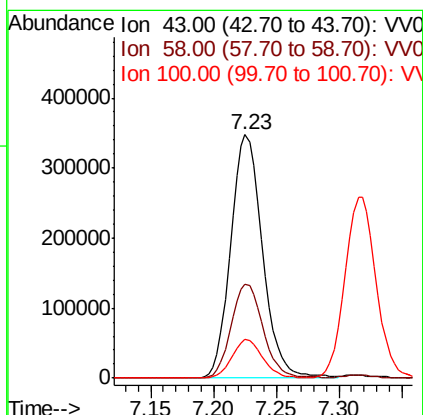
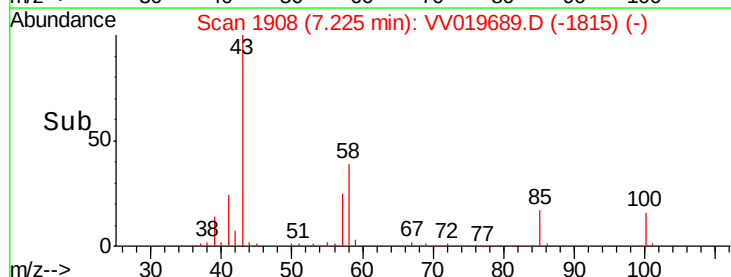
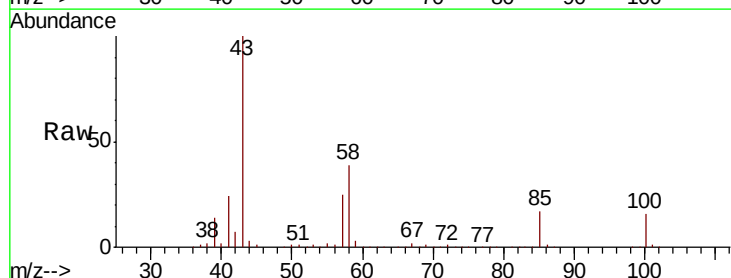
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

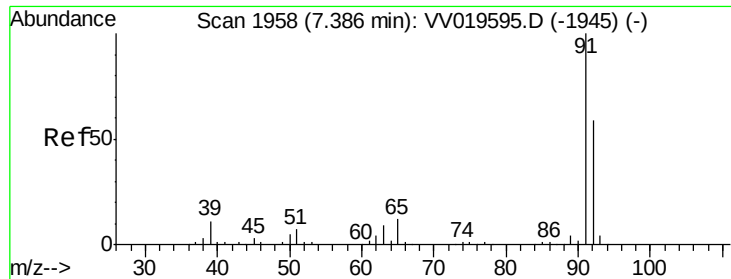
Tot Ion: 75 Resp: 340665
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 96.263 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

Tgt Ion: 43 Resp: 612604
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.7 47.5
 100 15.3 12.5 18.7





#42

Toluene

Concen: 48.302 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

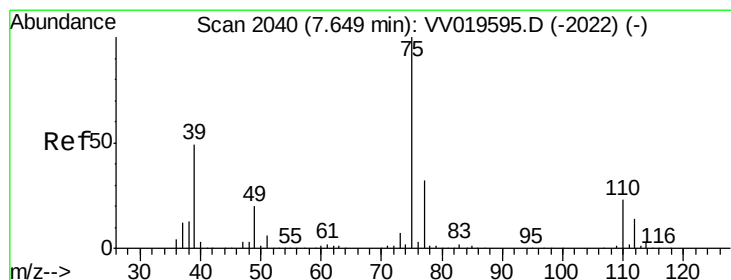
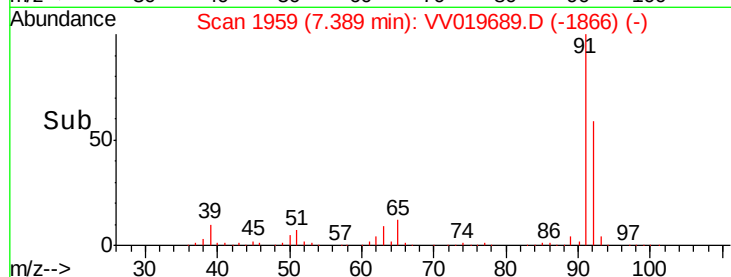
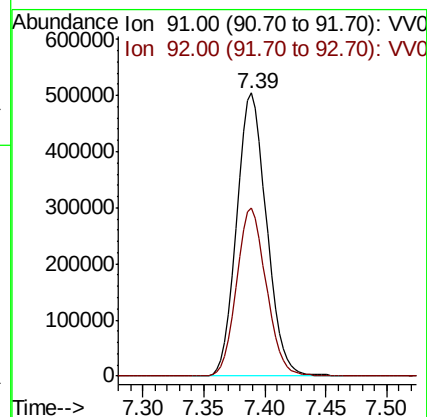
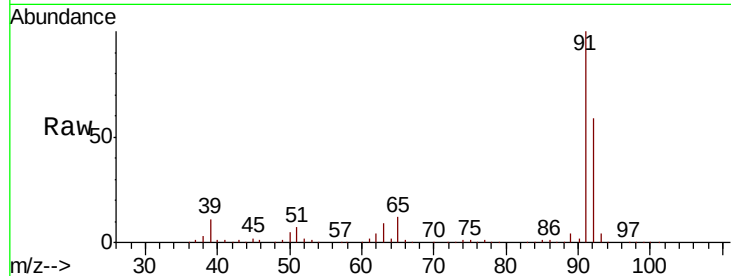
VSTD05094

Tot Ion: 91 Resp: 859884

Ion Ratio Lower Upper

91 100

92 59.4 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 46.491 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. 0.00 min

Lab File: VV019689.D

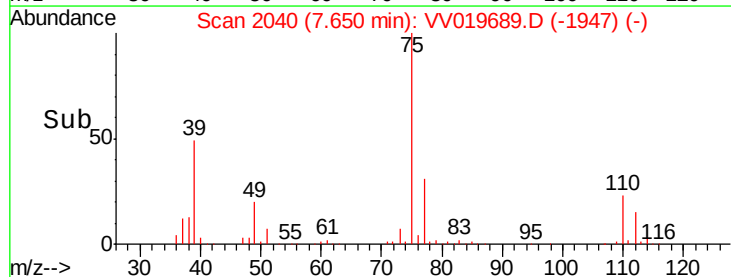
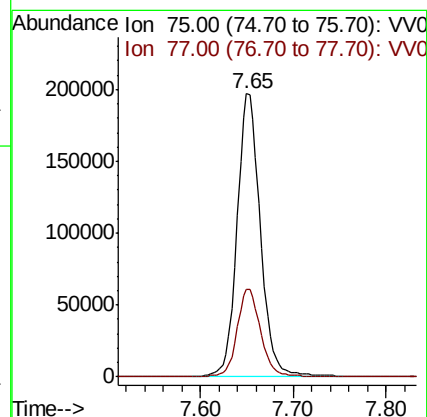
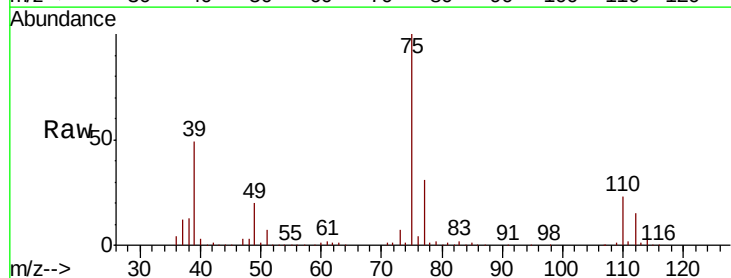
Acq: 18 Dec 2020 10:01

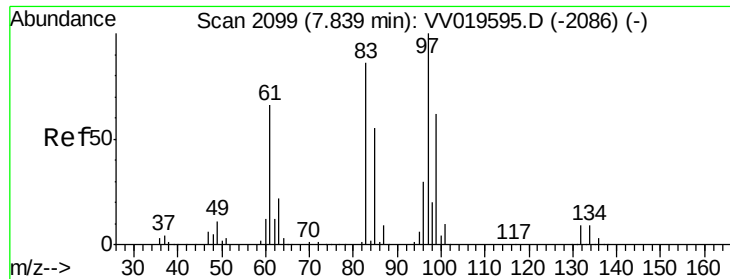
Tgt Ion: 75 Resp: 344877

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.9

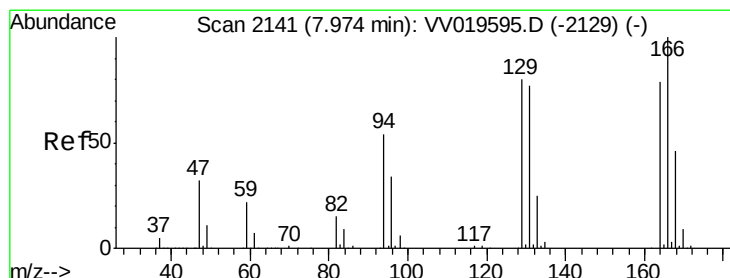
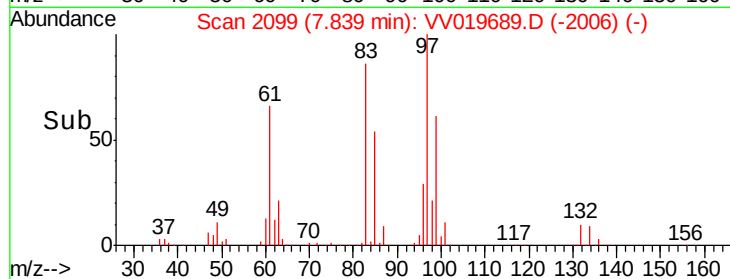
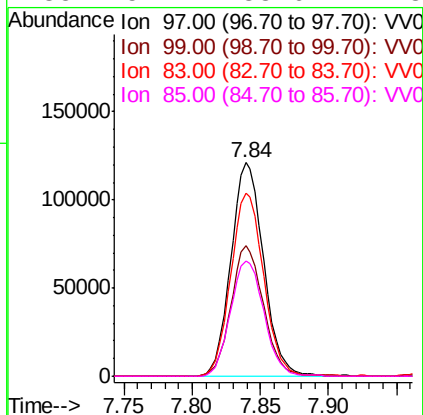
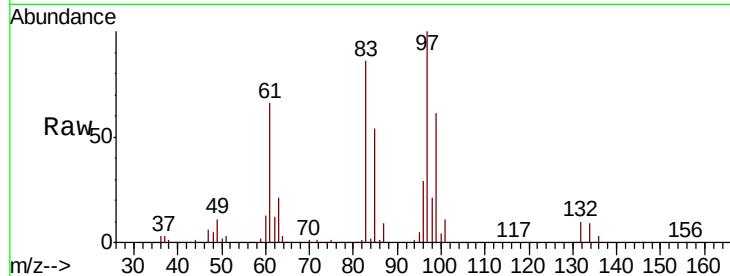




#45
 1,1,2-Trichloroethane
 Concen: 48.026 ug/L
 RT: 7.84 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

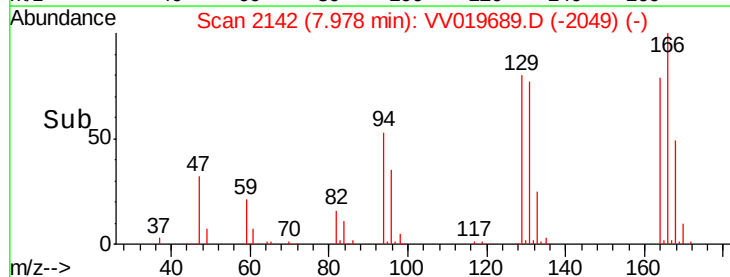
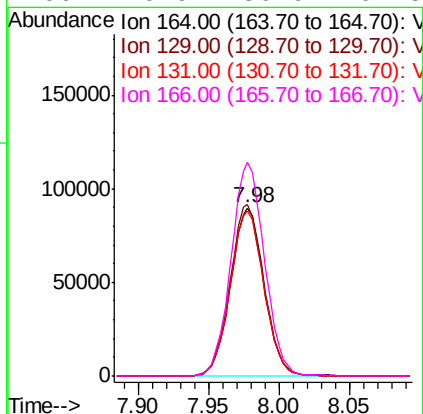
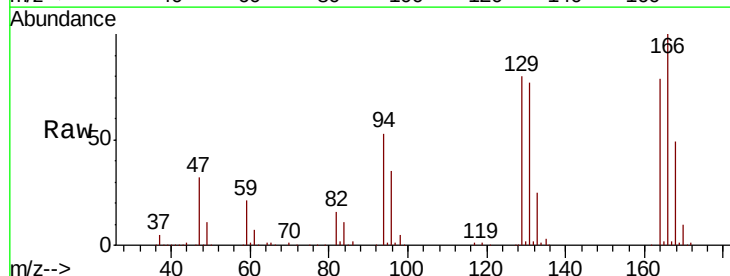
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

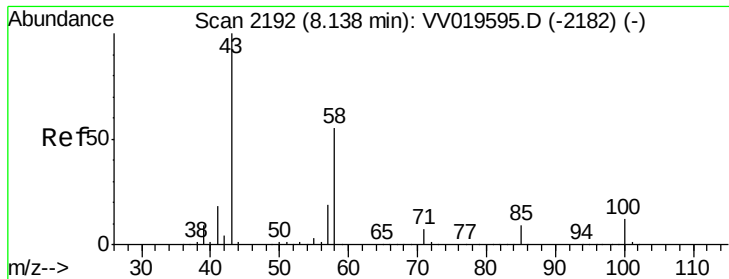
Tot Ion:	97	Resp:	201173
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.1	81.9
83	85.9	60.0	111.4
85	54.1	38.6	71.8



#46
 Tetrachloroethene
 Concen: 48.528 ug/L
 RT: 7.98 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

Tgt Ion:	164	Resp:	149827
Ion	Ratio	Lower	Upper
164	100		
129	101.8	70.6	131.0
131	98.1	68.0	126.4
166	126.9	86.9	161.5

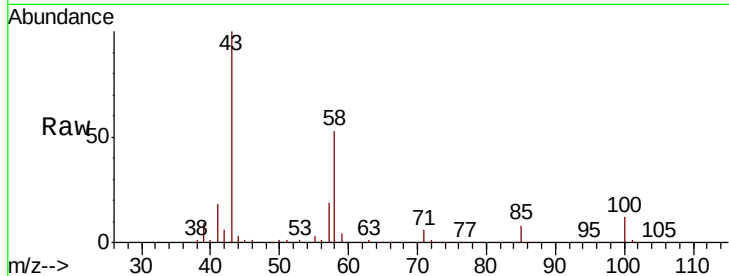




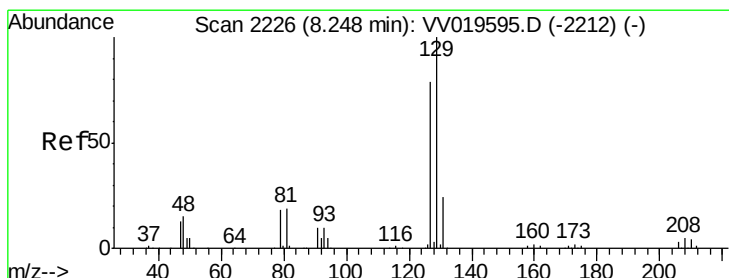
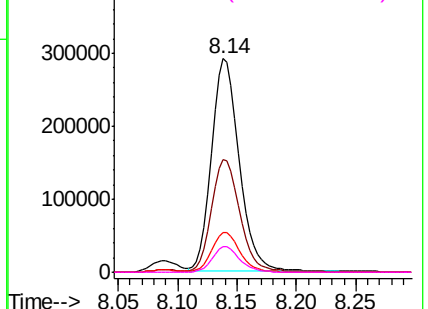
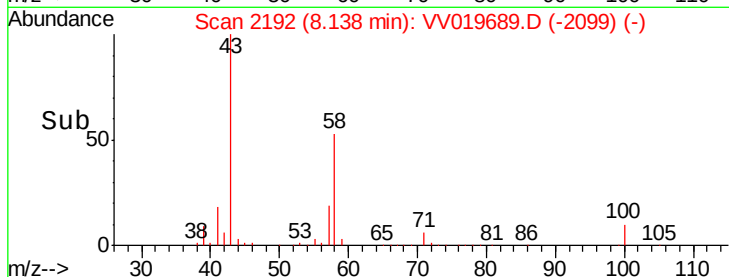
#48
2-Hexanone
Concen: 98.072 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion: 43 Resp: 473566
Ion Ratio Lower Upper
43 100
58 54.3 44.4 66.6
57 18.8 15.7 23.5
100 12.0 9.9 14.9

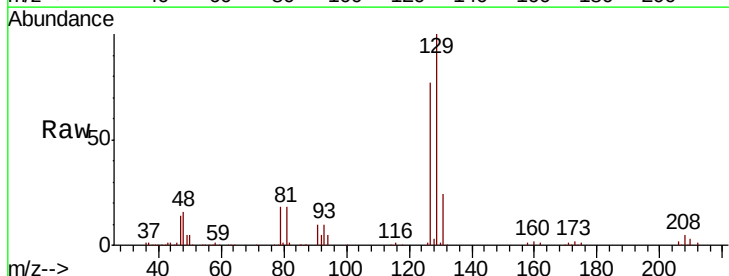


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

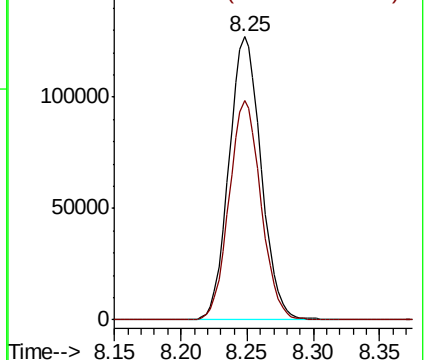
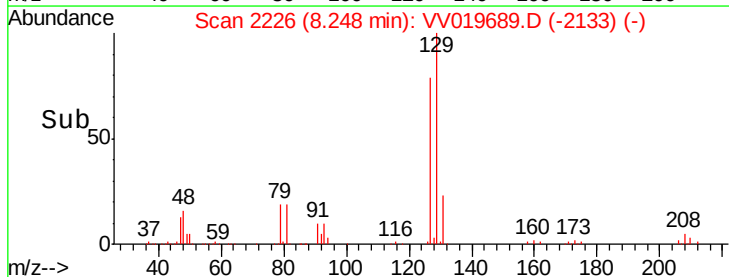


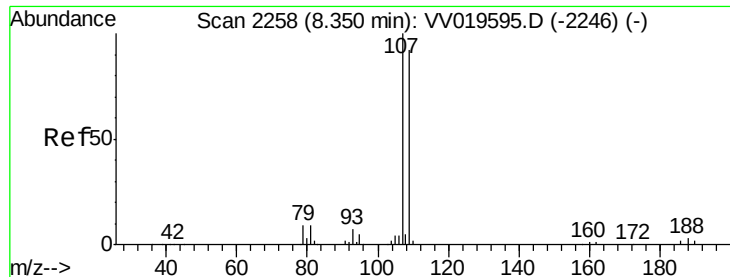
#49
Dibromochloromethane
Concen: 46.725 ug/L
RT: 8.25 min Scan# 2226
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Tgt Ion: 129 Resp: 214342
Ion Ratio Lower Upper
129 100
127 77.3 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

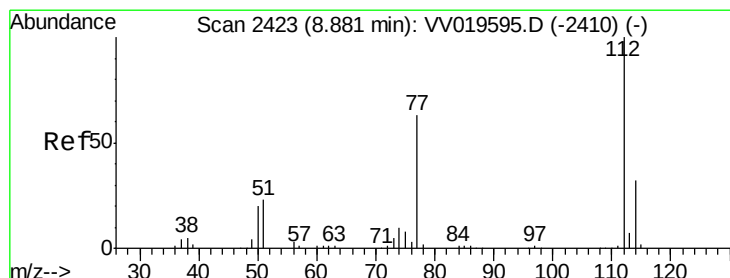
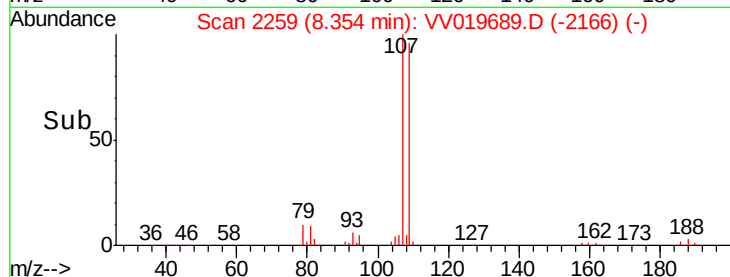
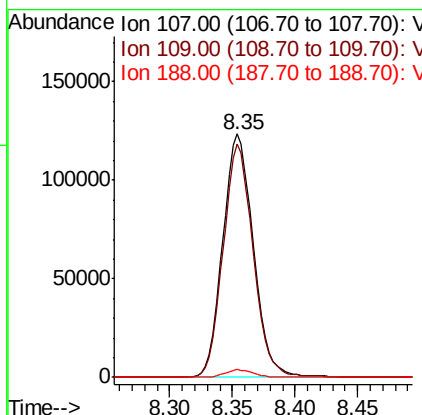
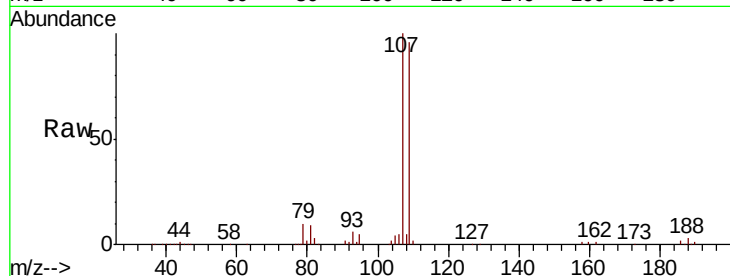




#50
1,2-Dibromoethane
Concen: 47.359 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

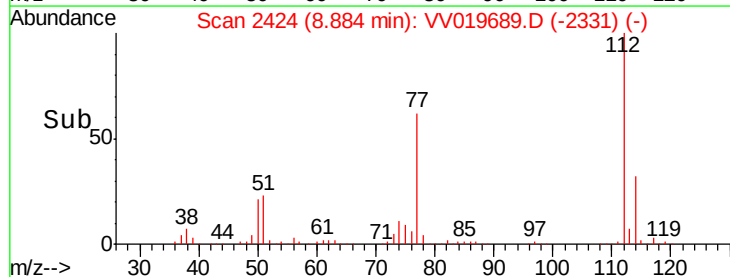
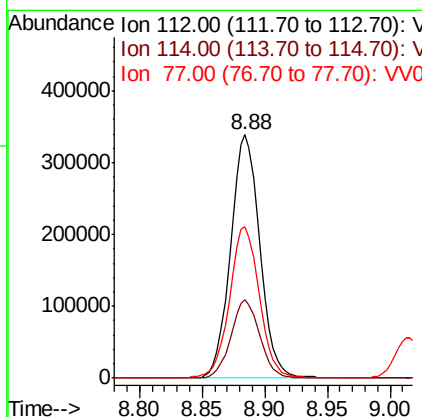
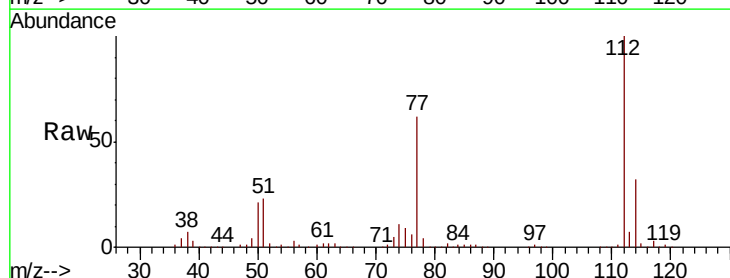
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

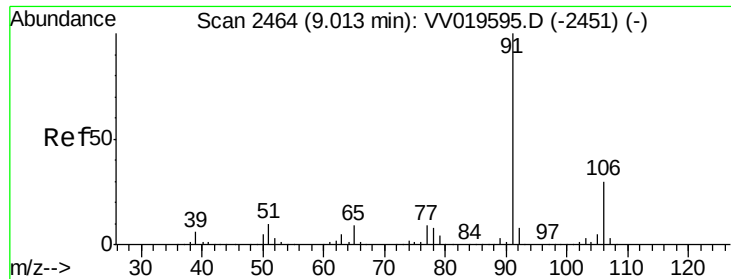
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	66.4	123.2
188	3.1	2.9	4.3



#51
Chlorobenzene
Concen: 48.326 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.2	41.2
77	62.3	50.6	75.8

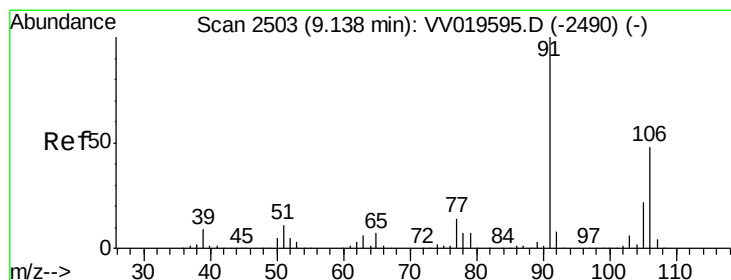
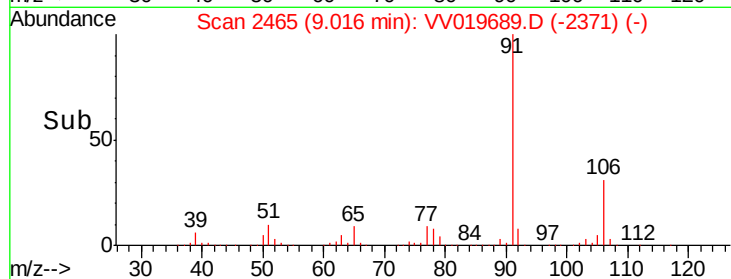
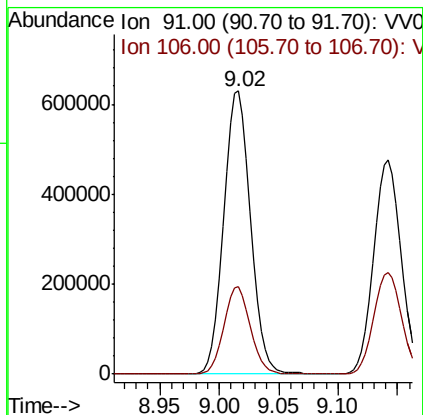
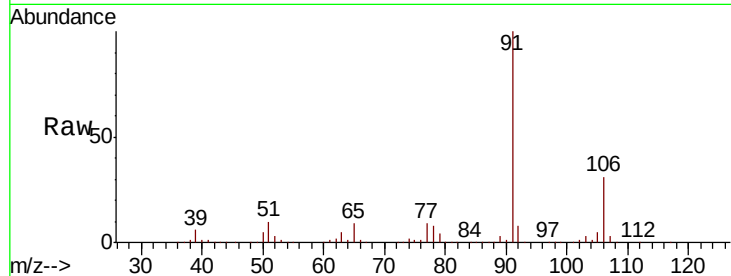




#52
Ethylbenzene
Concen: 48.539 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

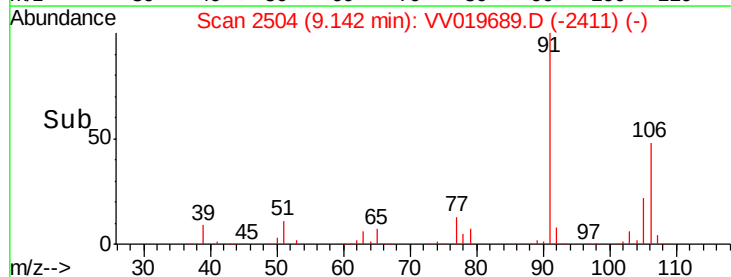
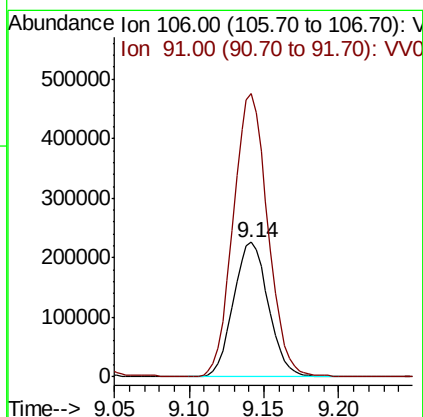
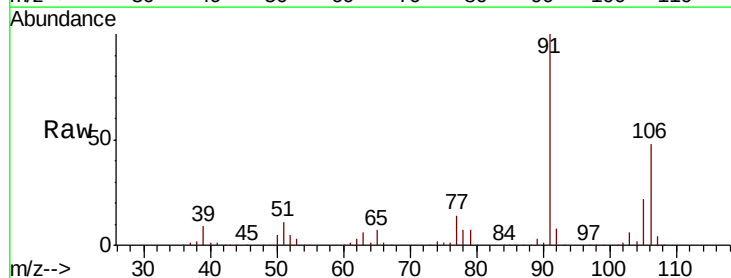
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

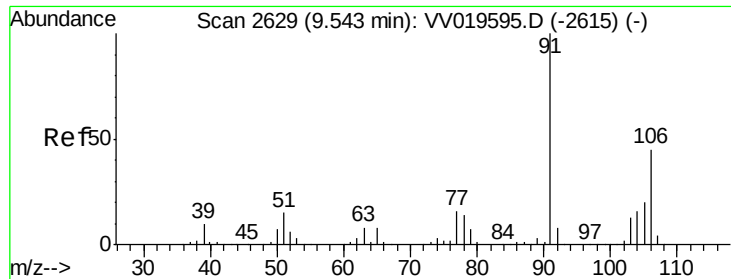
Tot Ion: 91 Resp: 984515
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3



#53
m,p-Xylene
Concen: 48.314 ug/L
RT: 9.14 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Tgt Ion: 106 Resp: 366103
Ion Ratio Lower Upper
106 100
91 210.3 147.7 274.3

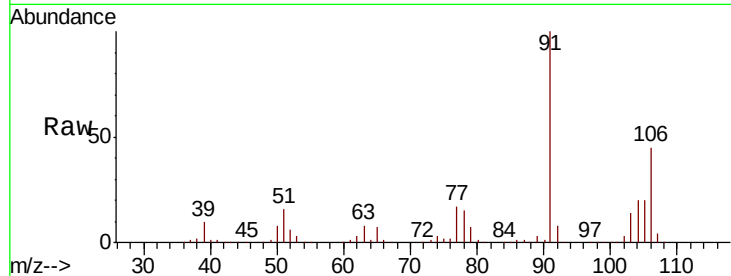




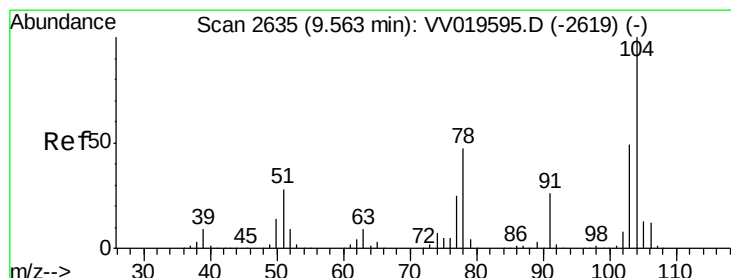
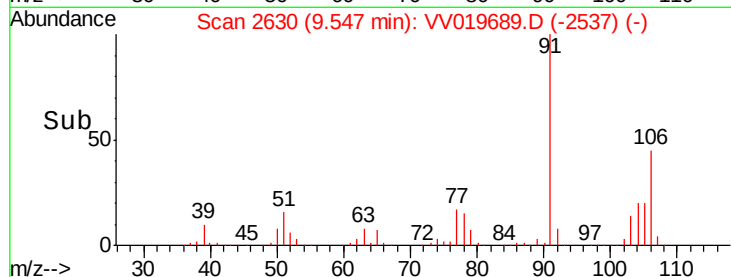
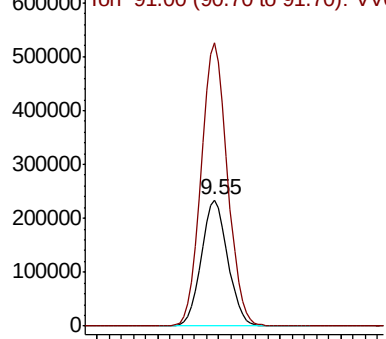
#54
o-xylene
Concen: 47.665 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion:106 Resp: 354026
Ion Ratio Lower Upper
106 100
91 224.3 156.7 291.1

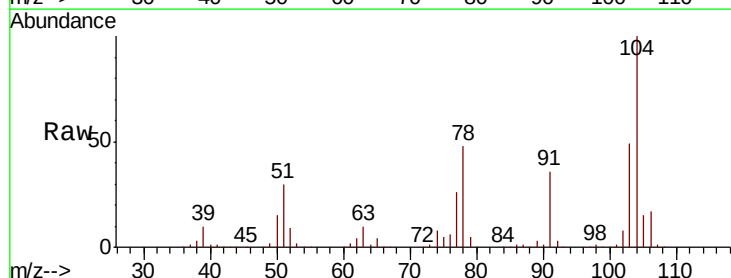


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

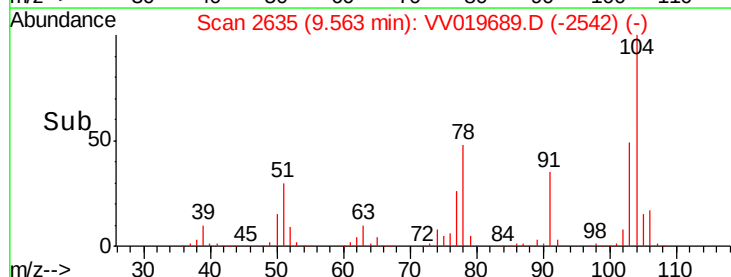
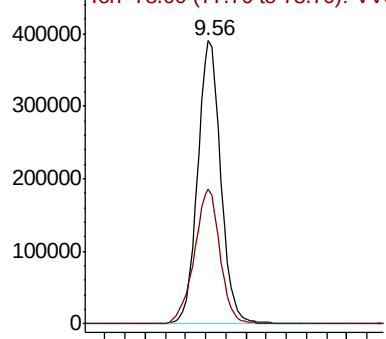


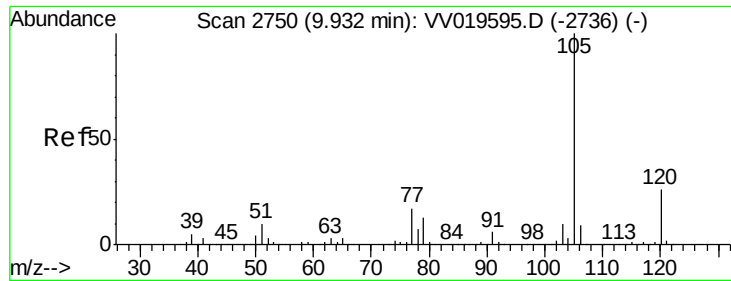
#55
Styrene
Concen: 48.457 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019689.D
Acq: 18 Dec 2020 10:01

Tgt Ion:104 Resp: 627271
Ion Ratio Lower Upper
104 100
78 47.8 33.7 62.7



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





#56

Isopropylbenzene

Concen: 48.917 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

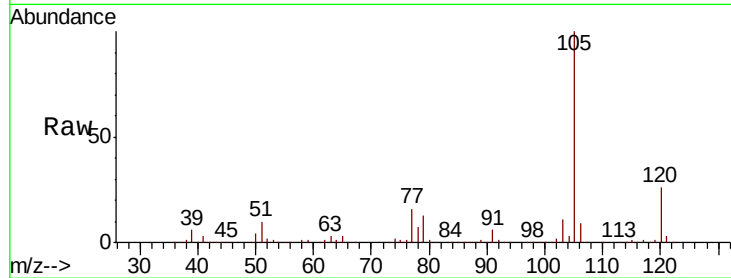
Tot Ion:105 Resp: 967925

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

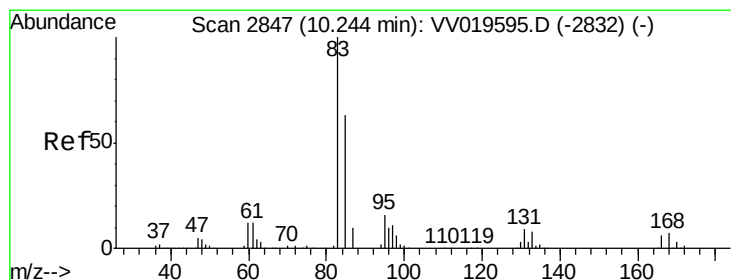
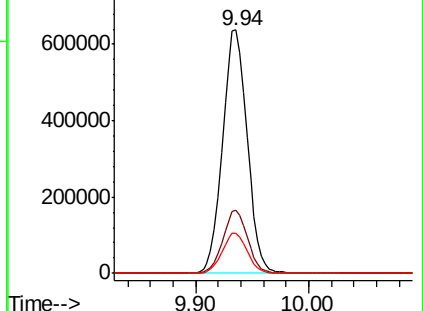
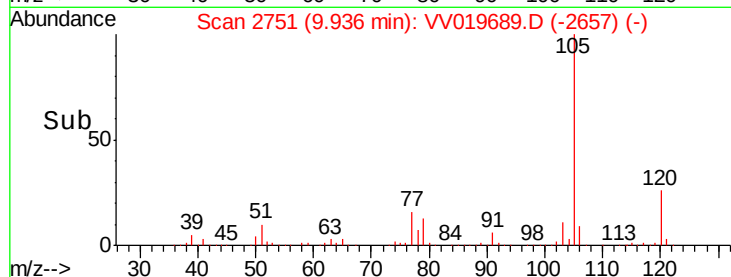
77 16.4 13.2 19.8



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: 47.578 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

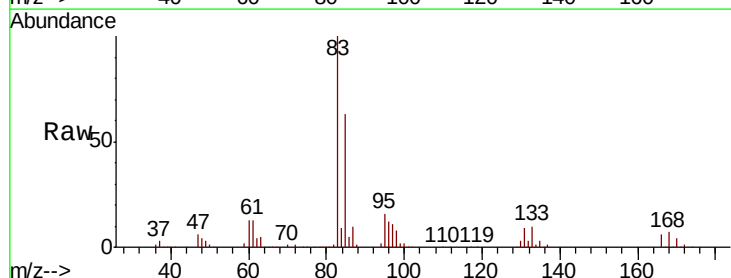
Tgt Ion: 83 Resp: 320493

Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.5

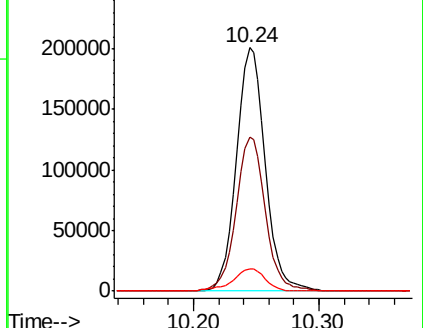
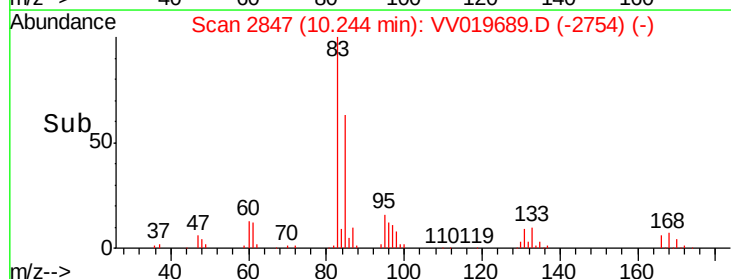
131 9.2 7.6 11.4

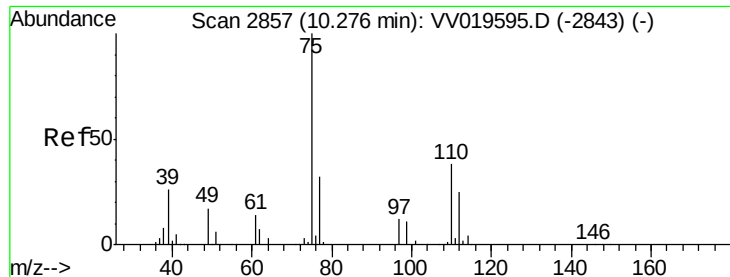


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.126 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

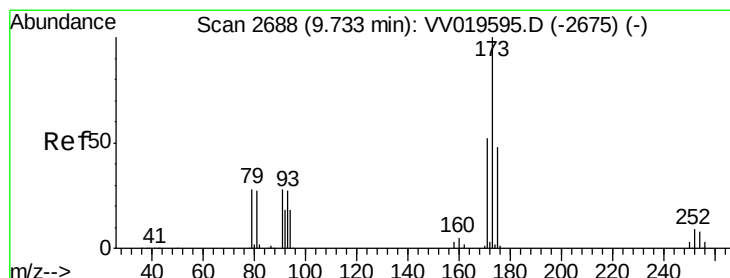
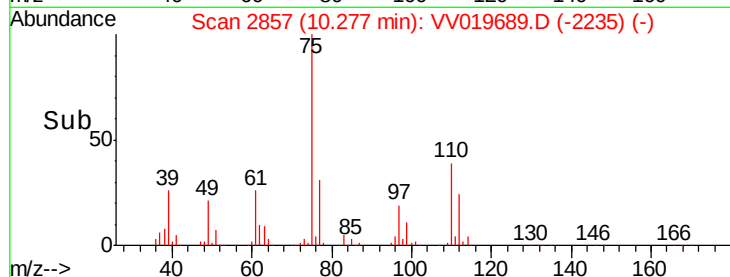
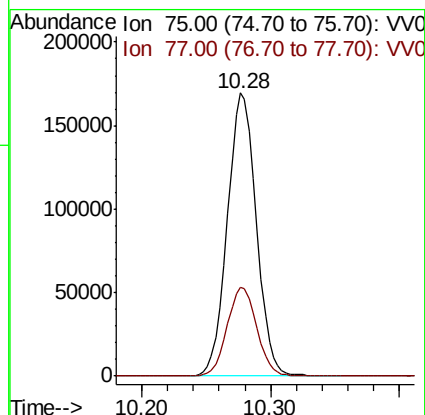
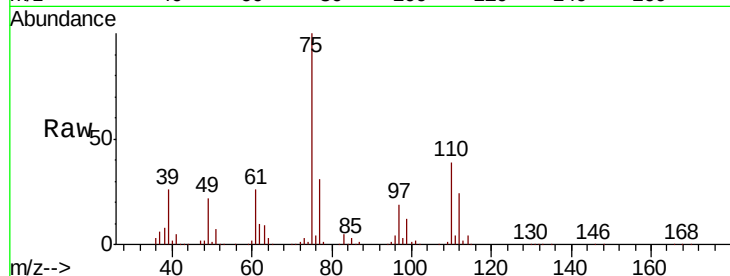
VSTD05094

Tot Ion: 75 Resp: 264049

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



#61

Bromoform

Concen: 42.250 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

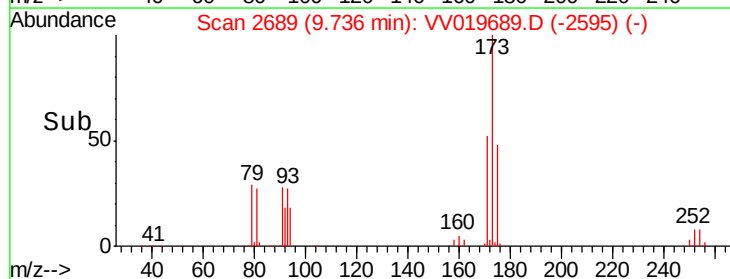
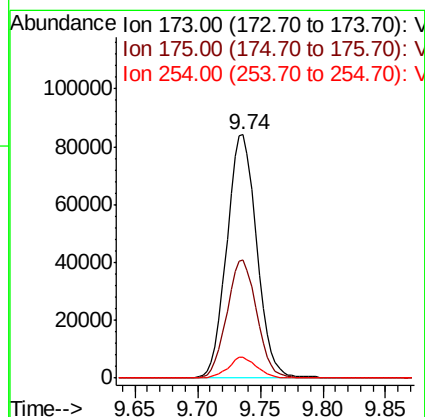
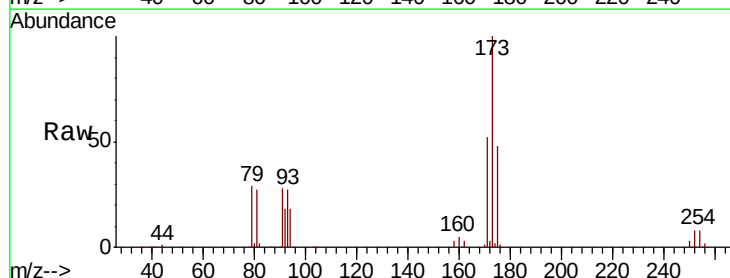
Tgt Ion: 173 Resp: 139543

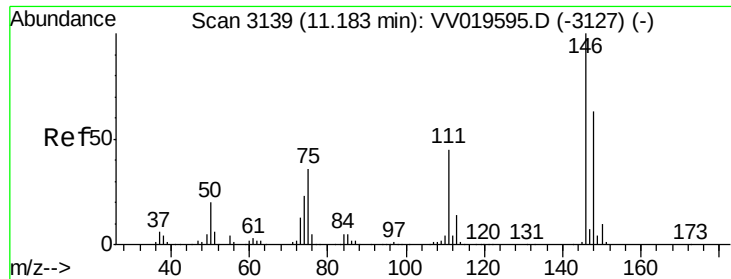
Ion Ratio Lower Upper

173 100

175 48.4 38.4 57.6

254 8.2 6.6 10.0

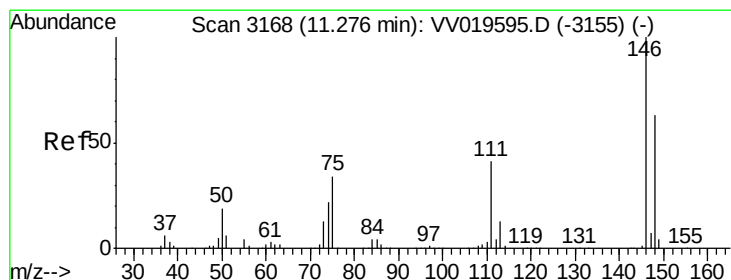
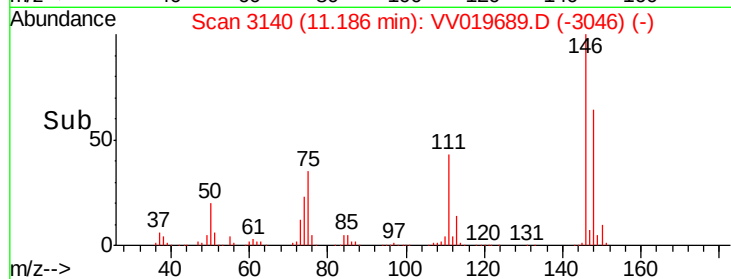
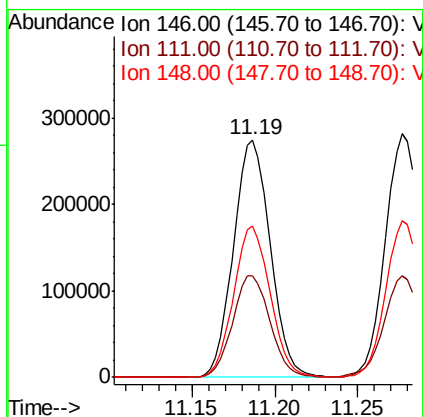
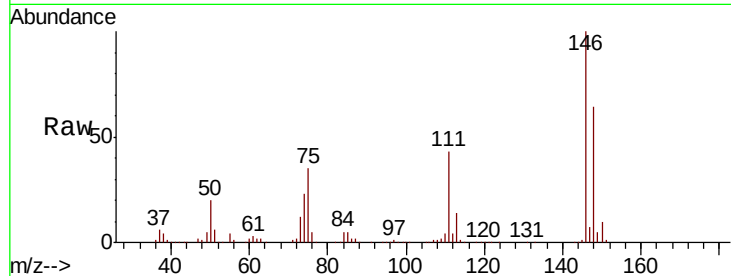




#62
 1,3-Dichlorobenzene
 Concen: 46.396 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

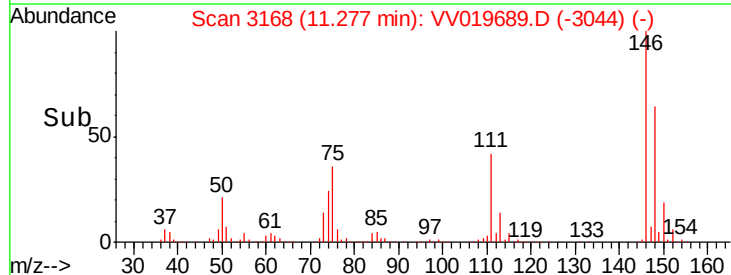
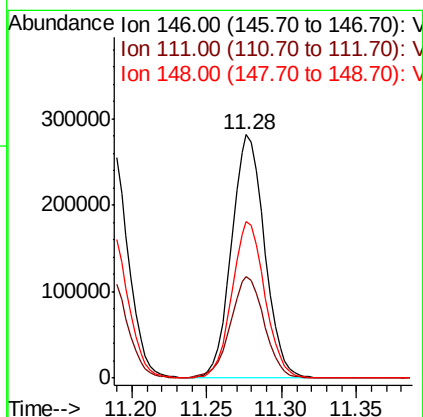
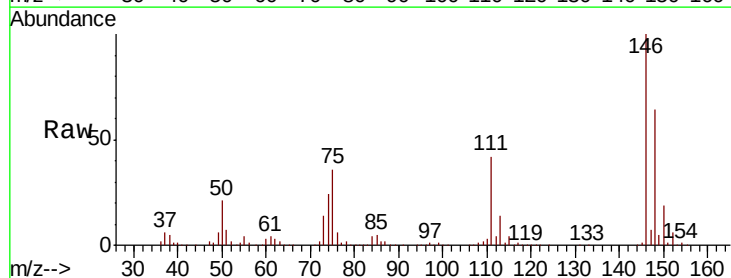
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

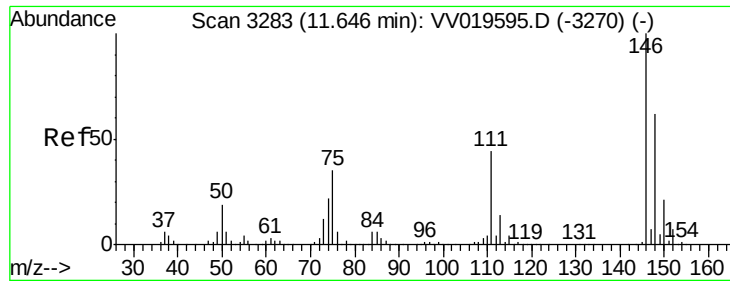
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	30.7	57.1
148	63.5	45.3	84.1



#63
 1,4-Dichlorobenzene
 Concen: 46.451 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.8	55.4
148	64.3	44.2	82.0





#65

1,2-Dichlorobenzene

Concen: 46.594 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

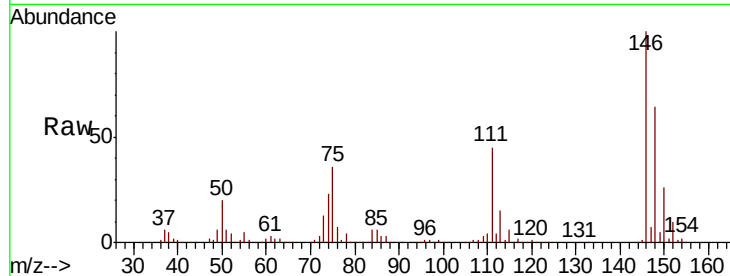
Tot Ion:146 Resp: 421650

Ion Ratio Lower Upper

146 100

111 45.2 36.6 55.0

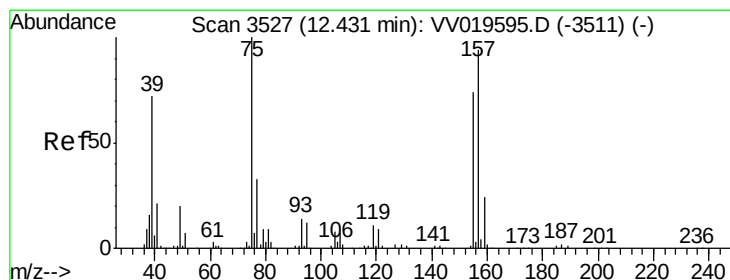
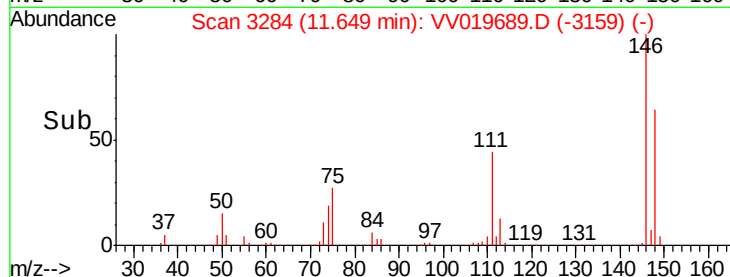
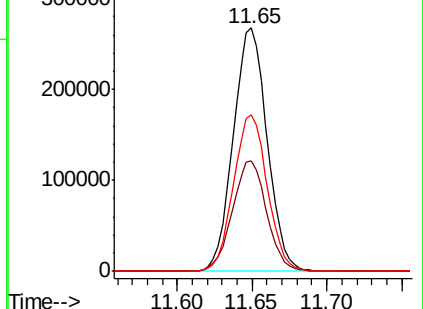
148 64.4 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 41.532 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

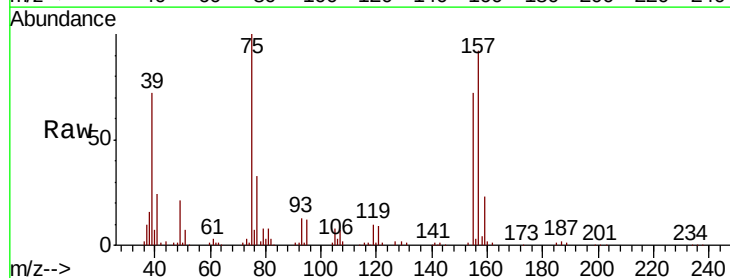
Tgt Ion: 75 Resp: 78452

Ion Ratio Lower Upper

75 100

155 72.4 61.1 91.7

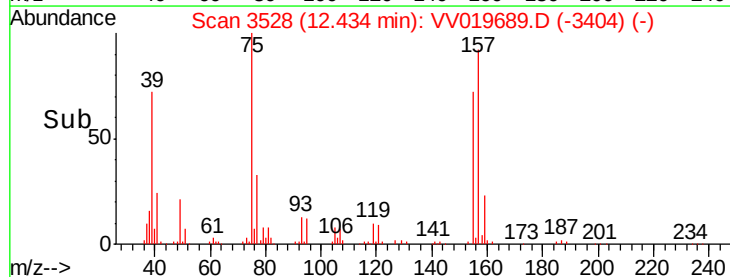
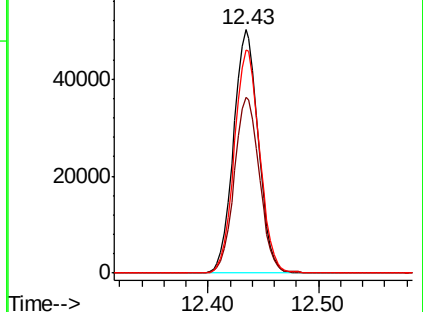
157 91.8 78.7 118.1

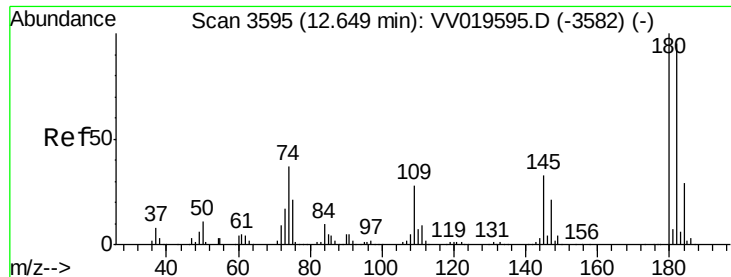


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

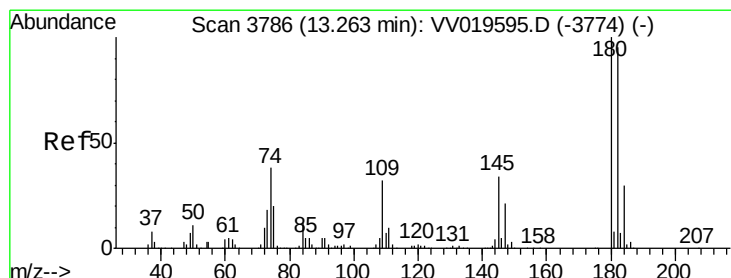
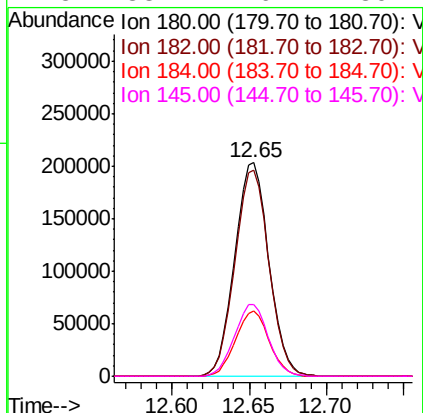
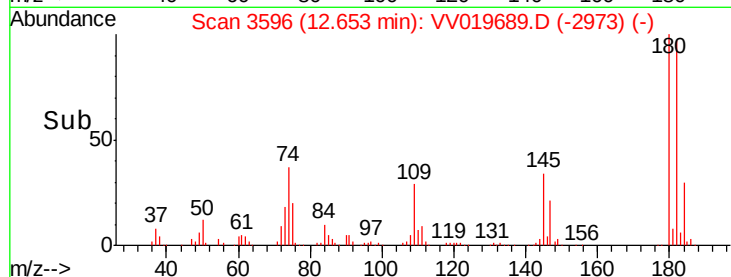
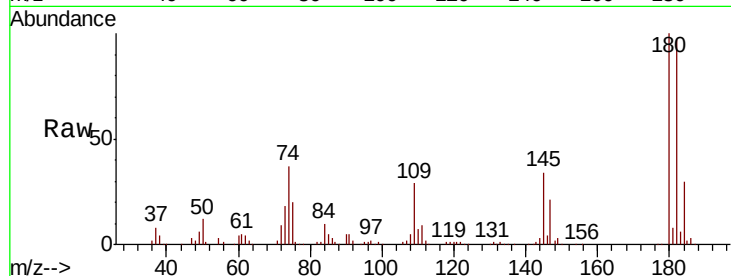




#67
 1,3,5-Trichlorobenzene
 Concen: 48.107 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

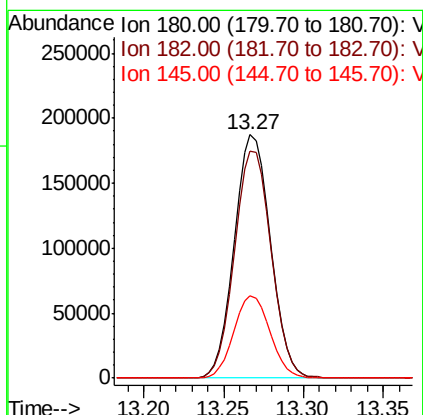
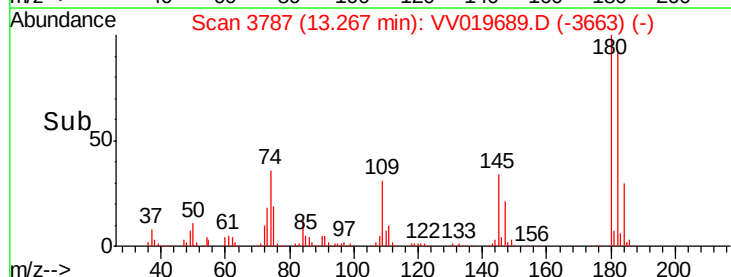
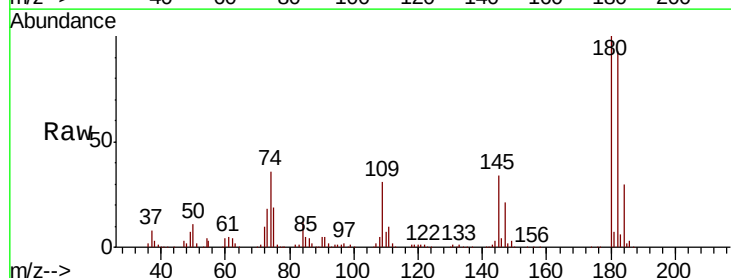
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

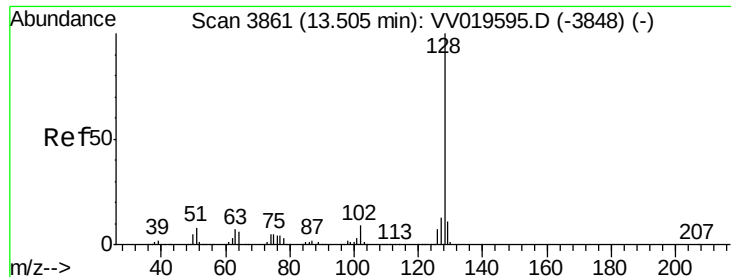
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.6
184	30.1	23.9	35.9
145	33.4	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 47.711 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019689.D
 Acq: 18 Dec 2020 10:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.5	114.7
145	33.8	27.0	40.6





#69

Naphthalene

Concen: 44.553 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

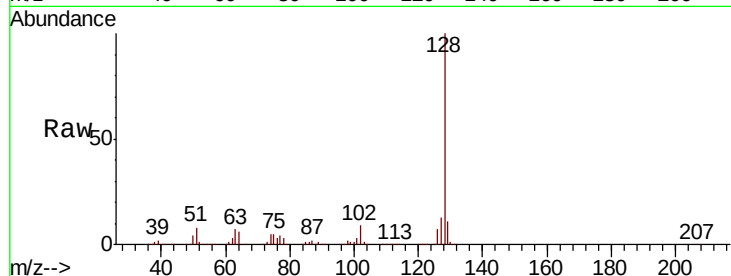
Tot Ion:128 Resp: 935922

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

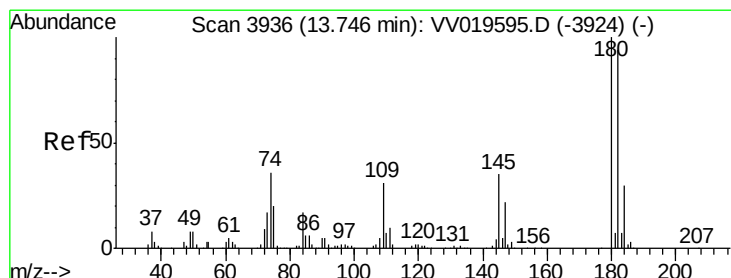
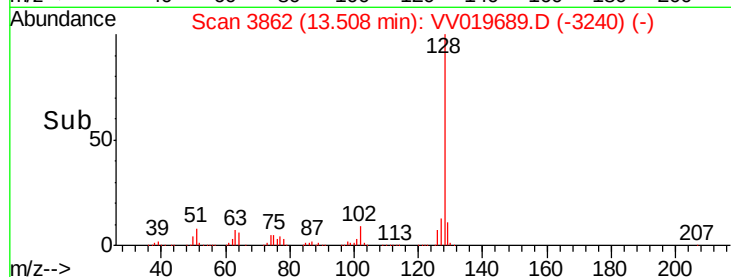
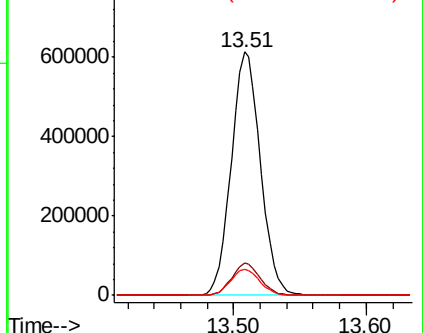
129 10.8 8.6 12.8



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: 46.605 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019689.D

Acq: 18 Dec 2020 10:01

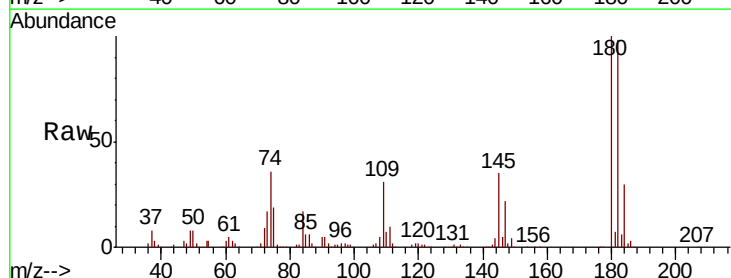
Tgt Ion:180 Resp: 275537

Ion Ratio Lower Upper

180 100

182 97.2 75.8 113.6

145 35.6 29.1 43.7



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

