

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122920\
 Data File : VV019869.D
 Acq On : 29 Dec 2020 18:05
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Quant Time: Dec 30 04:50:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 30 04:48:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	268876	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	252066	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	125025	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	92216	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.56	69	78933	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.11	63	197504	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	3.94	46	213411	52.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.56%
24) Chloroform-d	4.35	84	173106	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.04	65	89014	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.05	84	341066	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.07	67	102050	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.32	98	297684	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.63	79	36521	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.10	63	150261	51.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.20%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	65521	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
66) 1,2-Dichlorobenzene-d4	11.63	152	96426	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	129666	5.042	ug/L 99
3) Chloromethane	1.24	50	144578	5.083	ug/L 100
5) Vinyl chloride	1.31	62	140198	5.025	ug/L 98
6) Bromomethane	1.52	94	81331	4.979	ug/L 99
8) Chloroethane	1.58	64	86108	5.049	ug/L 99
9) Trichlorofluoromethane	1.75	101	170012	5.017	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	93884	5.149	ug/L 98
12) 1,1-Dichloroethene	2.11	96	93827	5.036	ug/L 94
13) Acetone	2.23	43	159879	52.228	ug/L 92
14) Carbon disulfide	2.29	76	311798	4.833	ug/L 100
15) Methyl Acetate	2.45	43	43531	5.693	ug/L 94
16) Methylene chloride	2.51	84	107262	4.728	ug/L 98
17) Methyl tert-butyl Ether	2.78	73	234616	5.035	ug/L 99
18) trans-1,2-Dichloroethene	2.76	96	106431	5.058	ug/L 97
19) 1,1-Dichloroethane	3.19	63	207298	5.089	ug/L 100
21) 2-Butanone	4.01	43	261533	50.782	ug/L 97
22) cis-1,2-Dichloroethene	3.92	96	108861	4.976	ug/L 96

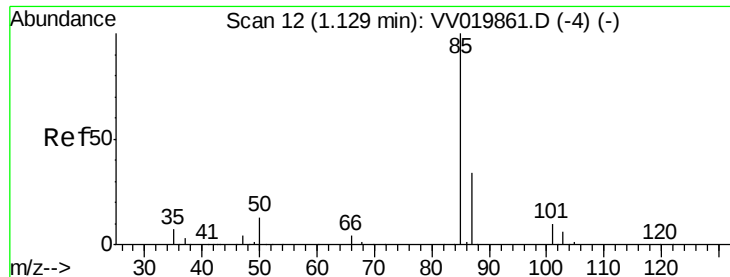
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122920\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 30 04:48:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	44544	5.107	ug/L	98
25) Chloroform	4.38	83	205467	5.071	ug/L	98
27) 1,2-Dichloroethane	5.14	62	127023	5.146	ug/L	97
29) 1,1,1-Trichloroethane	4.61	97	172566	5.020	ug/L	99
30) Cyclohexane	4.68	56	173744	5.024	ug/L	99
31) Carbon tetrachloride	4.83	117	143013	5.093	ug/L	100
33) Benzene	5.10	78	432199	5.121	ug/L	100
34) Trichloroethene	5.92	95	113243	5.023	ug/L	98
35) Methylcyclohexane	6.14	83	170905	5.067	ug/L	98
37) 1,2-Dichloropropane	6.18	63	109048	5.153	ug/L	100
38) Bromodichloromethane	6.51	83	133550	5.116	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	147527	5.079	ug/L	98
40) 4-Methyl-2-pentanone	7.23	43	639481	53.508	ug/L	99
42) Toluene	7.39	91	442535	5.163	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	121211	5.095	ug/L	95
45) 1,1,2-Trichloroethane	7.85	97	69892	5.107	ug/L	100
47) Tetrachloroethene	7.98	164	74926	4.892	ug/L	97
48) 2-Hexanone	8.15	43	446750	53.931	ug/L	100
49) Dibromochloromethane	8.25	129	75780	5.119	ug/L	98
50) 1,2-Dibromoethane	8.36	107	63669	5.122	ug/L #	98
51) Chlorobenzene	8.89	112	274299	5.060	ug/L	99
52) Ethylbenzene	9.02	91	485545	5.112	ug/L	100
53) m,p-xylene	9.14	106	175128	5.045	ug/L	99
54) o-xylene	9.55	106	171642	5.158	ug/L	98
55) Styrene	9.57	104	295532	5.255	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.25	83	75481	5.210	ug/L	99
59) Bromoform	9.74	173	33726	4.972	ug/L	96
60) Isopropylbenzene	9.94	105	464046	5.099	ug/L	100
61) 1,2,3-Trichloropropane	10.28	75	61576	5.094	ug/L	98
62) 1,3,5-Trimethylbenzene	10.55	105	384381	5.108	ug/L	100
63) 1,2,4-Trimethylbenzene	10.92	105	395963	5.166	ug/L	99
64) 1,3-Dichlorobenzene	11.19	146	202945	5.078	ug/L	97
65) 1,4-Dichlorobenzene	11.28	146	203217	5.069	ug/L	97
67) 1,2-Dichlorobenzene	11.65	146	183599	4.996	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.44	75	11543	4.631	ug/L	99
69) 1,3,5-Trichlorobenzene	12.65	180	147425	4.977	ug/L	99
70) 1,2,4-trichlorobenzene	13.27	180	120945	5.022	ug/L	99
71) Naphthalene	13.51	128	186478	5.118	ug/L	100
72) 1,2,3-Trichlorobenzene	13.75	180	105631	5.153	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.042 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

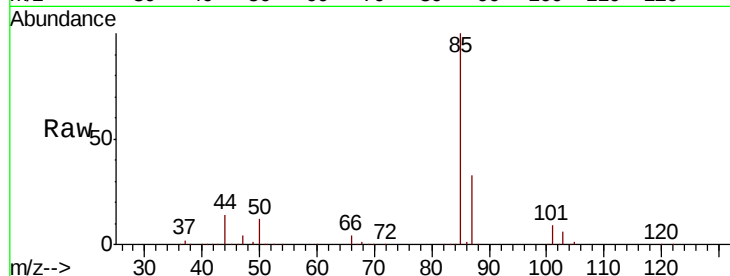
VSTD005302

Tot Ion: 85 Resp: 129666

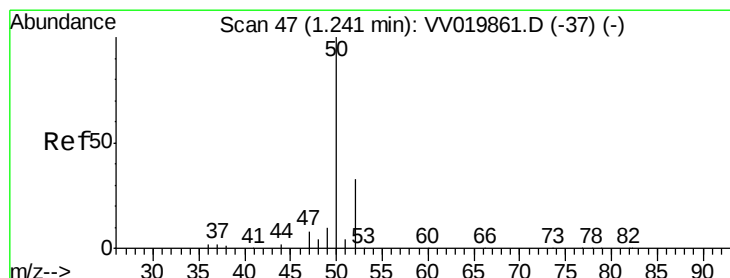
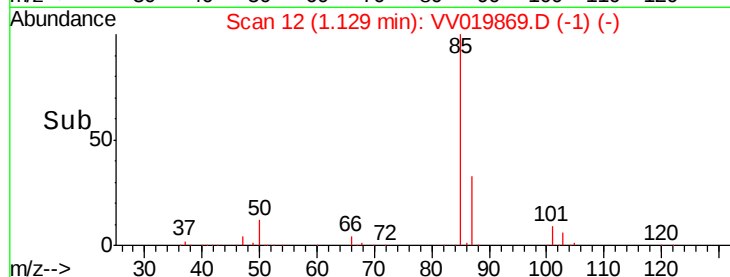
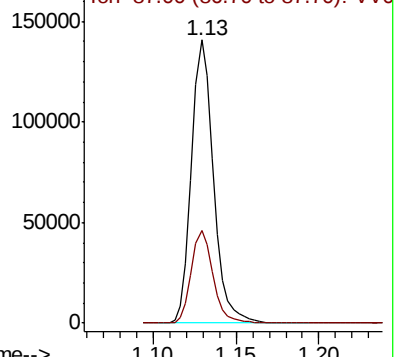
Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV019869.D (-4) (-)



#3

Chloromethane

Concen: 5.083 ug/L

RT: 1.24 min Scan# 46

Delta R.T. -0.00 min

Lab File: VV019869.D

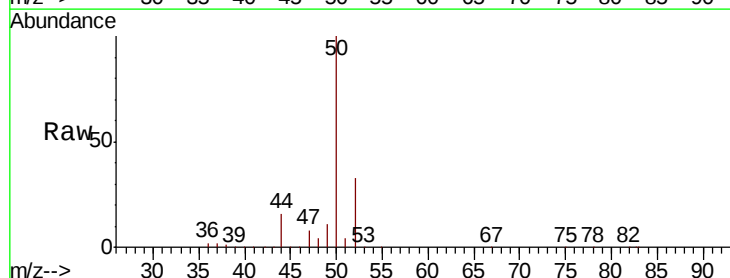
Acq: 29 Dec 2020 18:05

Tgt Ion: 50 Resp: 144578

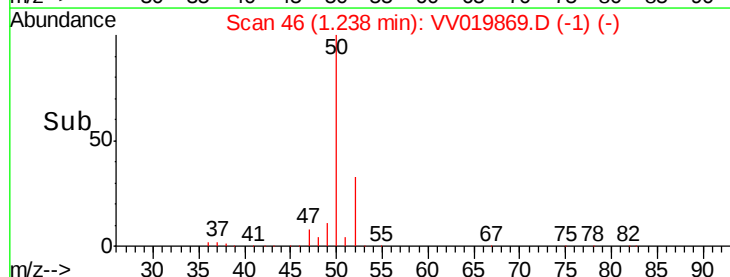
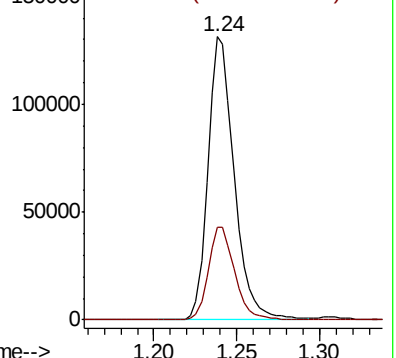
Ion Ratio Lower Upper

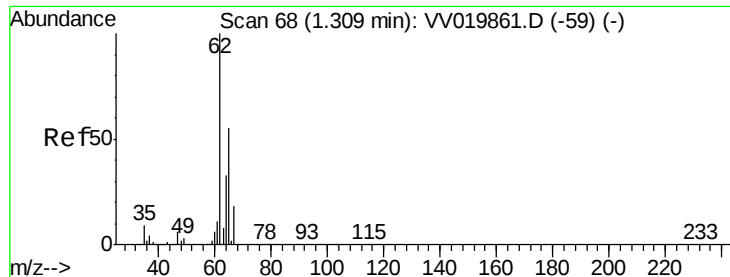
50 100

52 32.9 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV019869.D (-1) (-)





#5

Vinyl chloride

Concen: 5.025 ug/L

RT: 1.31 min Scan# 68

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

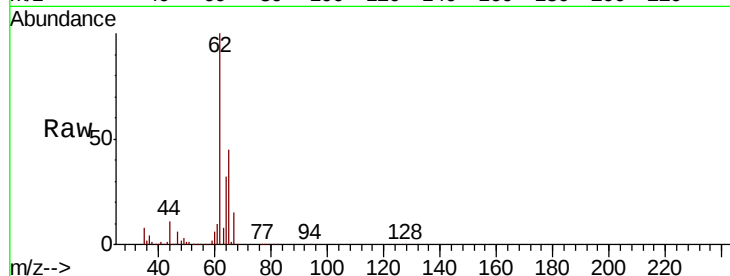
VSTD005302

Tot Ion: 62 Resp: 140198

Ion Ratio Lower Upper

62 100

64 32.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV019861.D (-59) (-)

Ion 64.10 (63.80 to 64.80): VV019861.D (-59) (-)

1.31

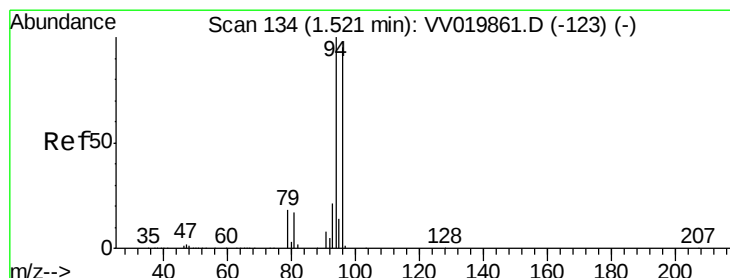
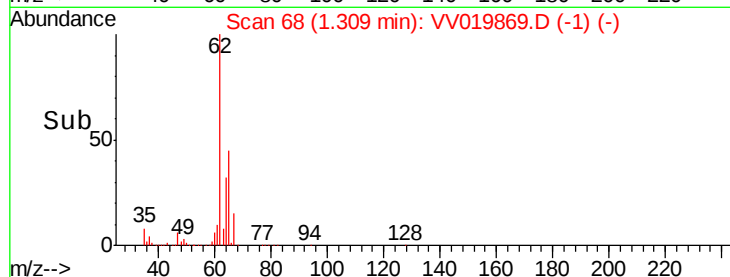
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.979 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV019869.D

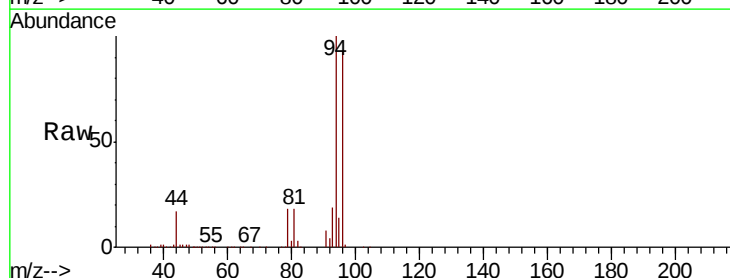
Acq: 29 Dec 2020 18:05

Tgt Ion: 94 Resp: 81331

Ion Ratio Lower Upper

94 100

96 92.7 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV019861.D (-123) (-)

Ion 96.00 (95.70 to 96.70): VV019861.D (-123) (-)

1.52

80000

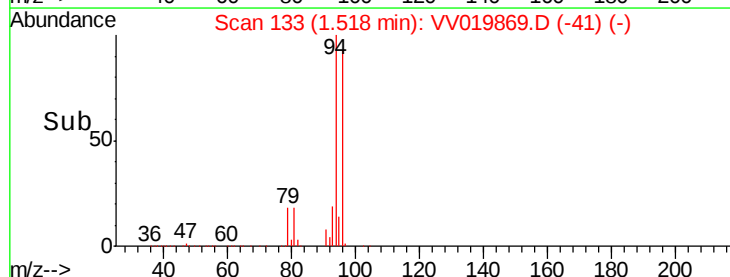
60000

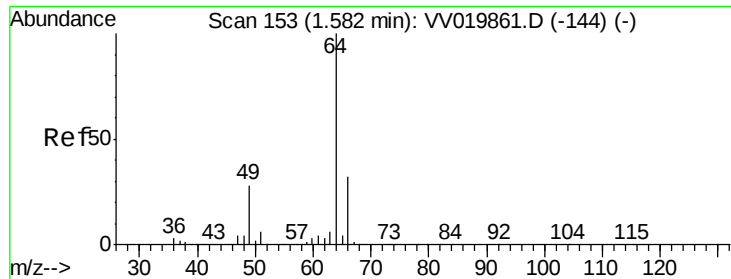
40000

20000

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Time-->

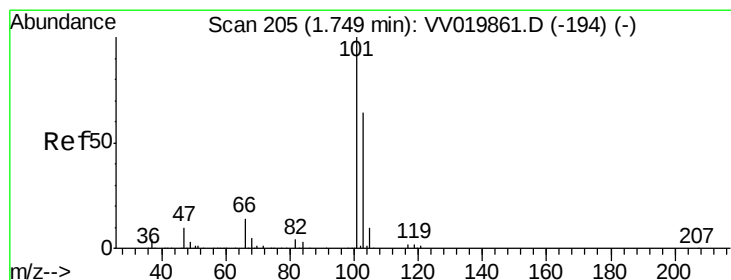
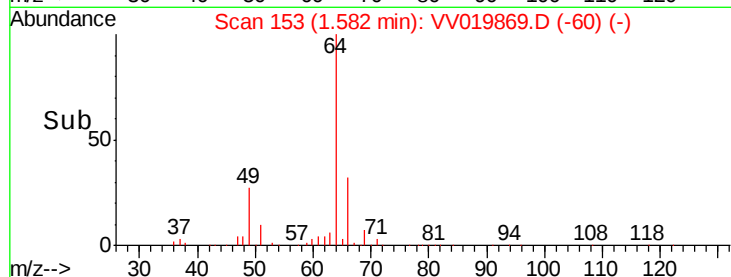
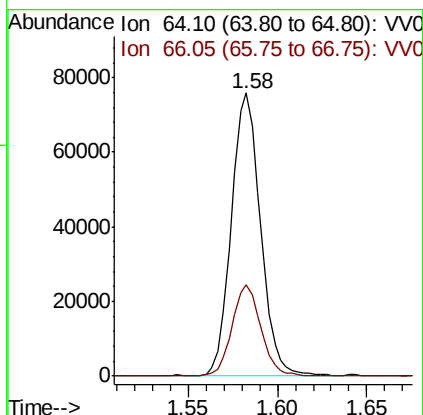
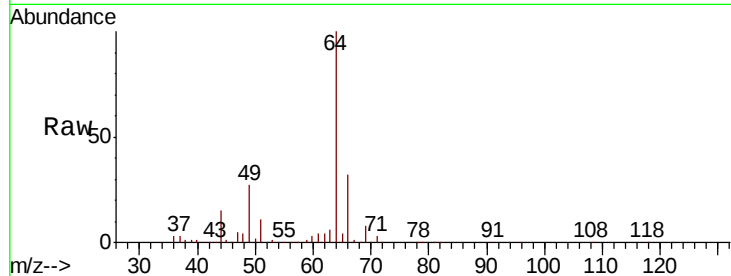




#8
Chloroethane
Concen: 5.049 ug/L
RT: 1.58 min Scan# 153
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

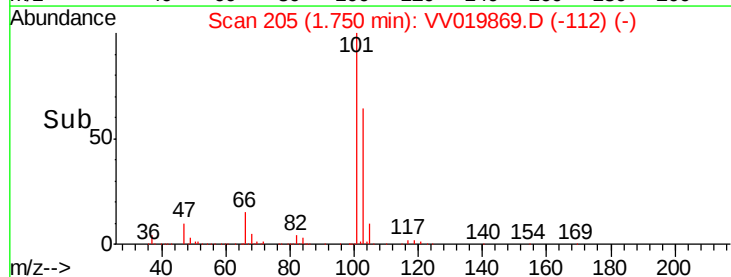
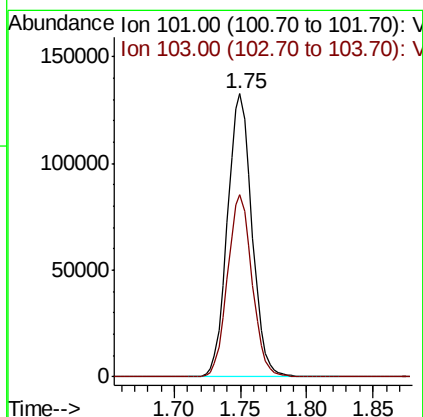
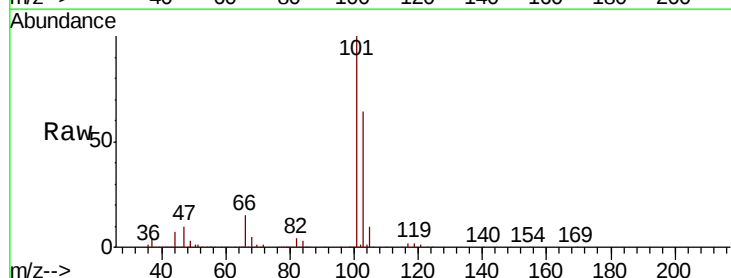
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

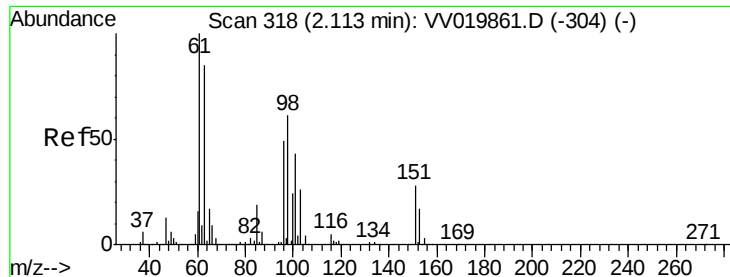
Tot Ion: 64 Resp: 86108
Ion Ratio Lower Upper
64 100
66 32.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.017 ug/L
RT: 1.75 min Scan# 205
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Tgt Ion:101 Resp: 170012
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8





#10

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

Concen: 5.149 ug/L

RT: 2.11 min Scan# 318

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

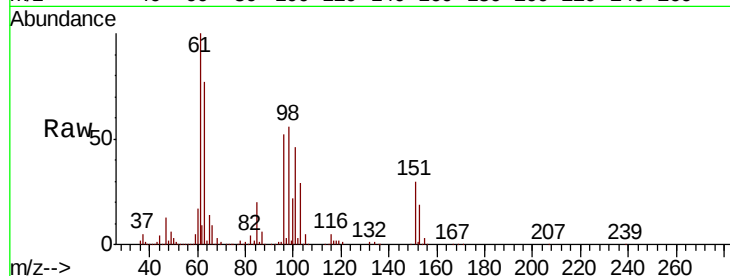
Tot Ion:101 Resp: 93884

Ion Ratio Lower Upper

101 100

85 46.0 36.4 54.6

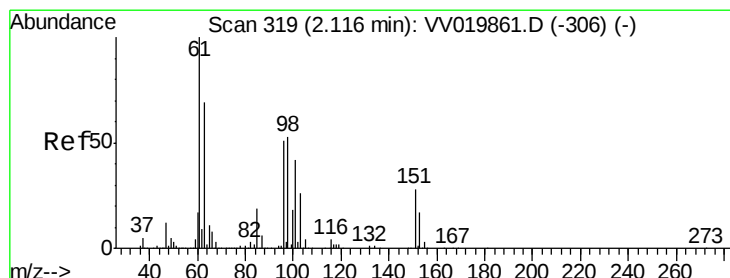
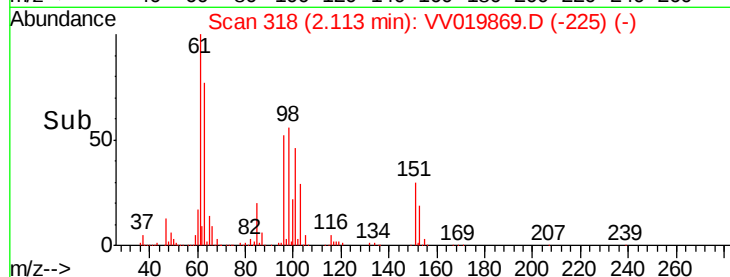
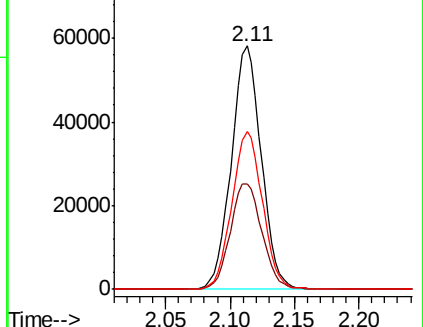
151 65.8 54.1 81.1



Abundance Ion 101.00 (100.70 to 101.70): VV019861.D (-304) (-)

Ion 85.00 (84.70 to 85.70): VV019869.D (-225) (-)

Ion 151.00 (150.70 to 151.70): VV019869.D (-226) (-)



#12

1,1-Dichloroethene

Concen: 5.036 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

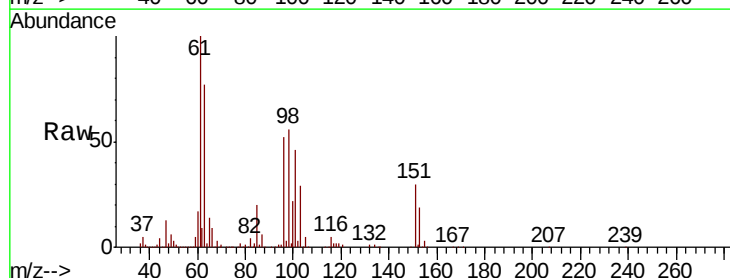
Tgt Ion: 96 Resp: 93827

Ion Ratio Lower Upper

96 100

61 193.0 131.5 244.1

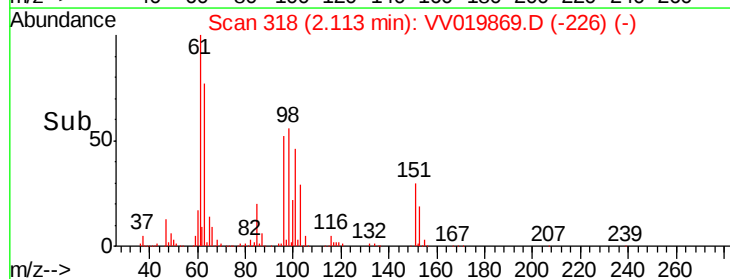
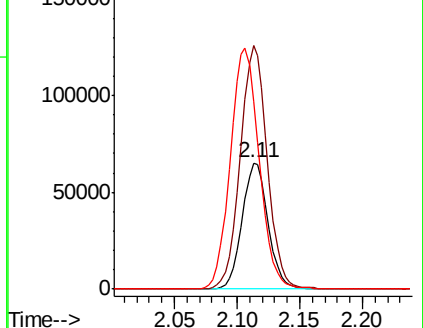
63 148.1 95.2 176.8

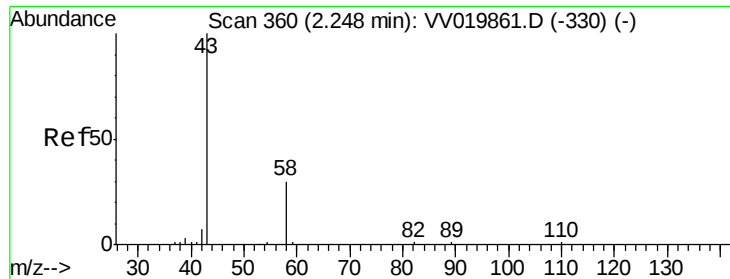


Abundance Ion 96.00 (95.70 to 96.70): VV019861.D (-306) (-)

Ion 61.05 (60.75 to 61.75): VV019869.D (-225) (-)

Ion 63.00 (62.70 to 63.70): VV019869.D (-226) (-)





#13

Acetone

Concen: 52.228 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.02 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

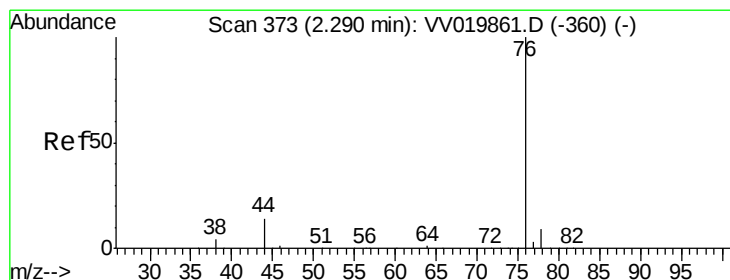
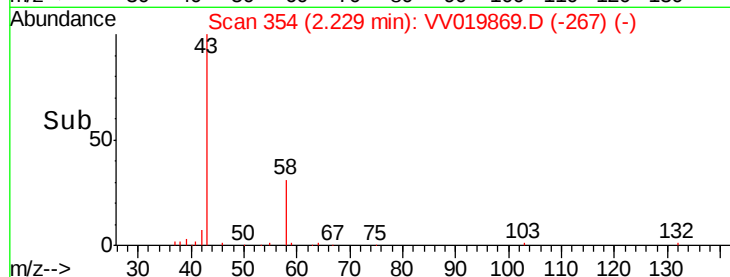
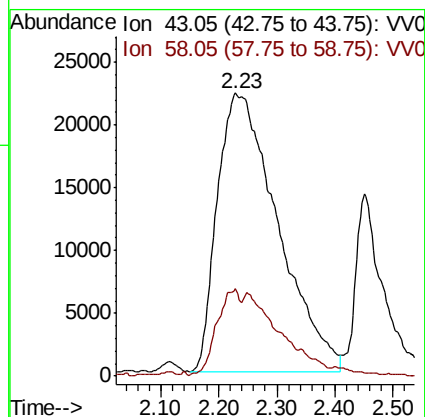
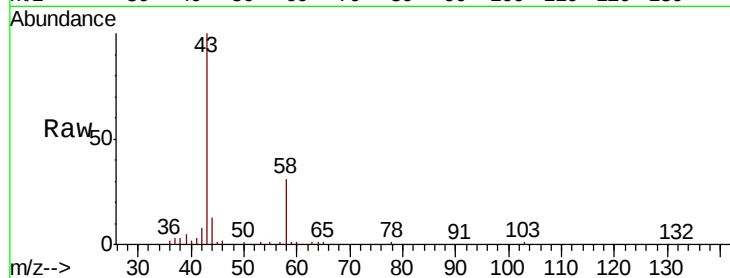
VSTD005302

Tot Ion: 43 Resp: 159879

Ion Ratio Lower Upper

43 100

58 12.1 0.0 31.4



#14

Carbon disulfide

Concen: 4.833 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VV019869.D

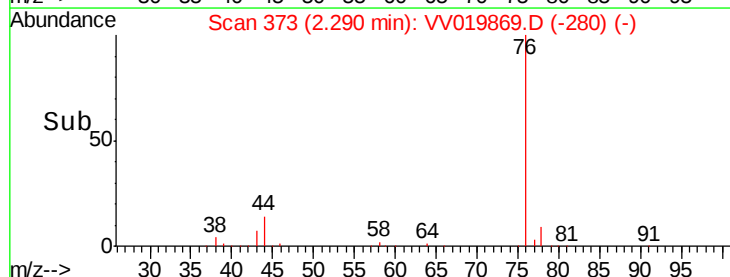
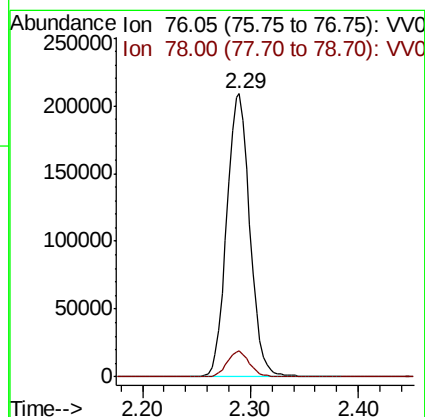
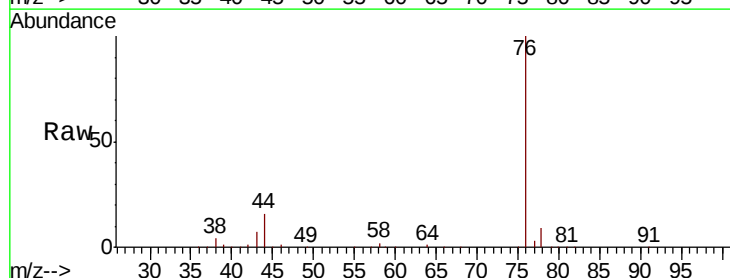
Acq: 29 Dec 2020 18:05

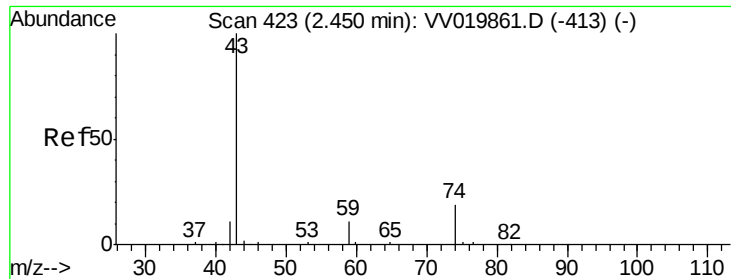
Tgt Ion: 76 Resp: 311798

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

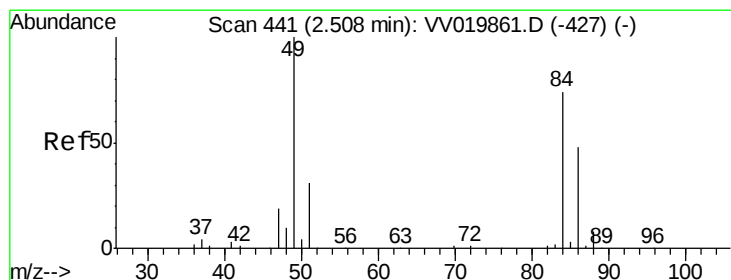
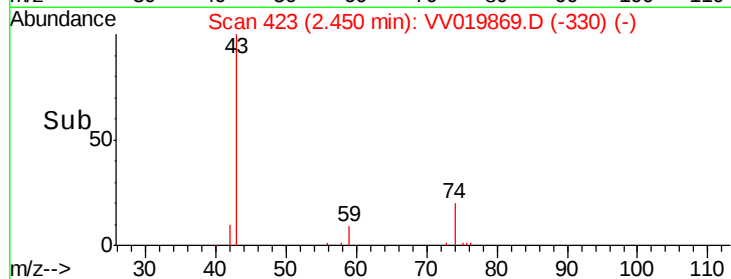
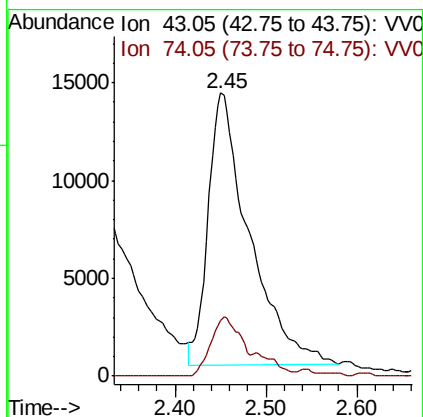
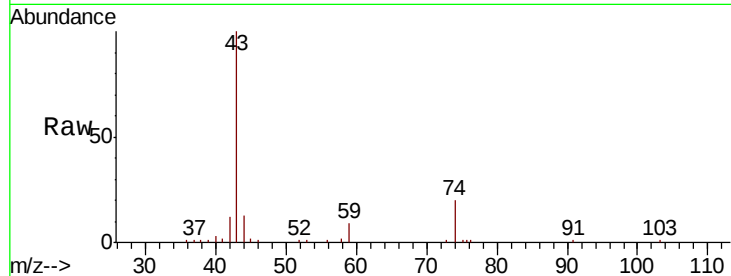




#15
Methvl Acetate
Concen: 5.693 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

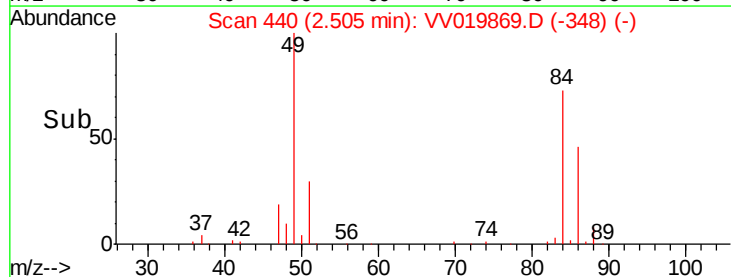
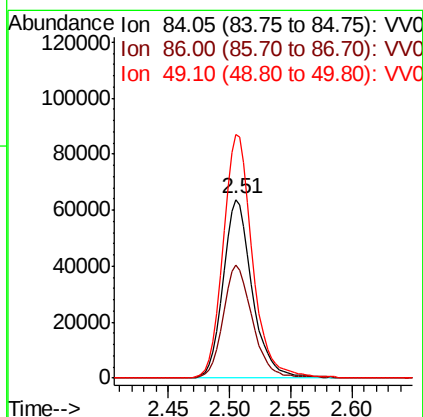
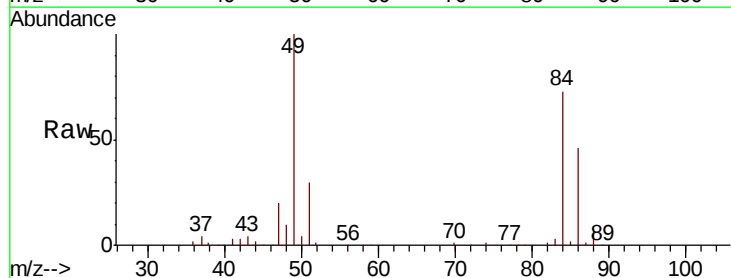
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

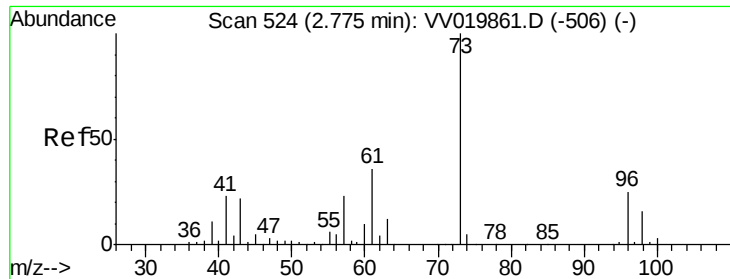
Tot Ion: 43 Resp: 43531
Ion Ratio Lower Upper
43 100
74 15.8 10.6 16.0



#16
Methylene chloride
Concen: 4.728 ug/L
RT: 2.51 min Scan# 440
Delta R.T. -0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Tgt Ion: 84 Resp: 107262
Ion Ratio Lower Upper
84 100
86 63.2 42.8 79.4
49 136.2 93.9 174.3

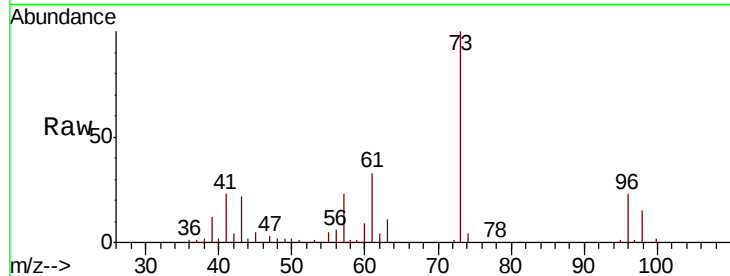




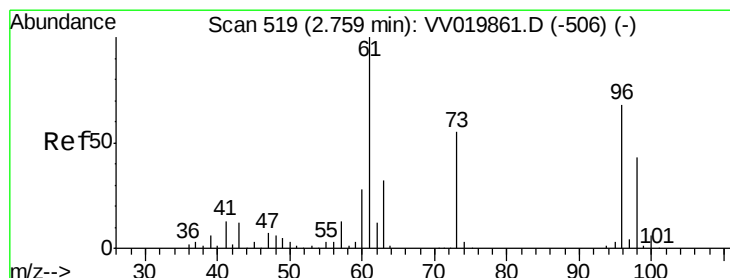
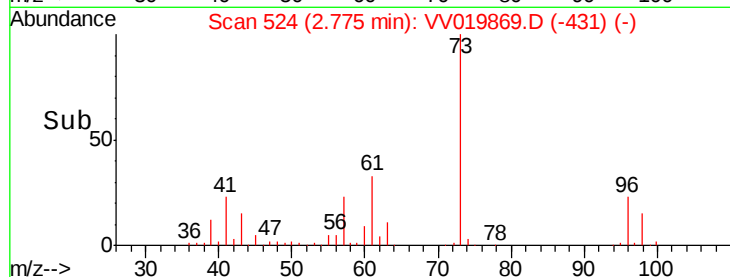
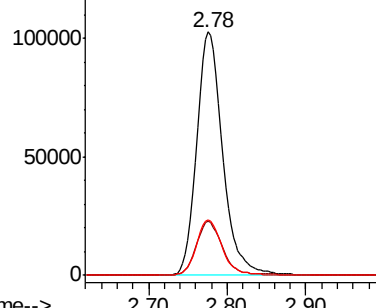
#17
Methvl tert-butvl Ether
Concen: 5.035 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

Tot Ion: 73 Resp: 234616
Ion Ratio Lower Upper
73 100
43 21.7 17.0 25.6
57 22.7 18.2 27.4

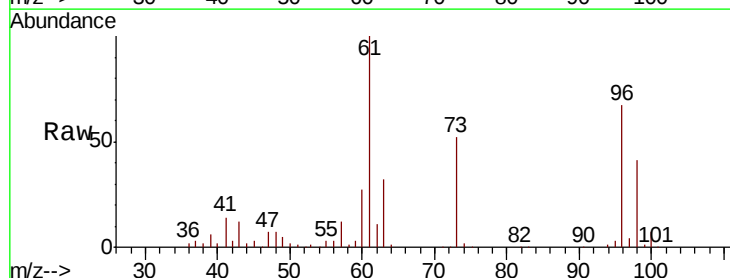


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

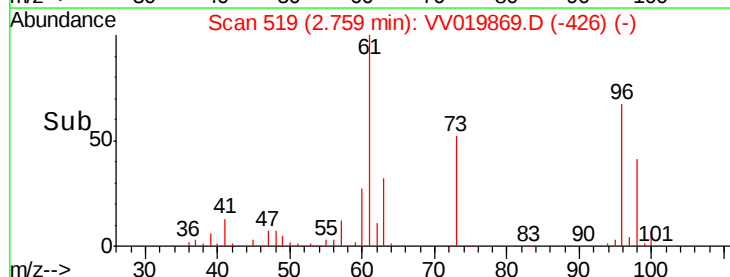
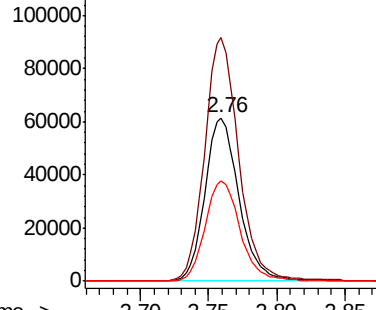


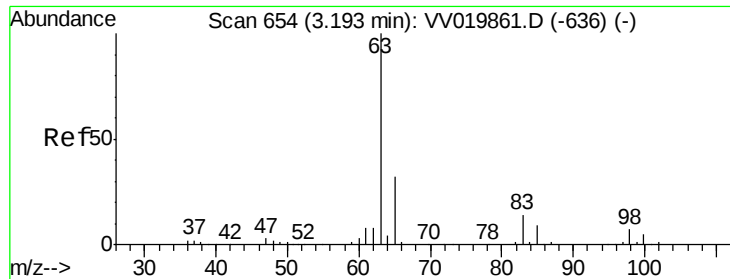
#18
trans-1,2-Dichloroethene
Concen: 5.058 ug/L
RT: 2.76 min Scan# 519
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Tgt Ion: 96 Resp: 106431
Ion Ratio Lower Upper
96 100
61 148.9 106.3 197.3
98 61.4 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.089 ug/L

RT: 3.19 min Scan# 653

Delta R.T. -0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

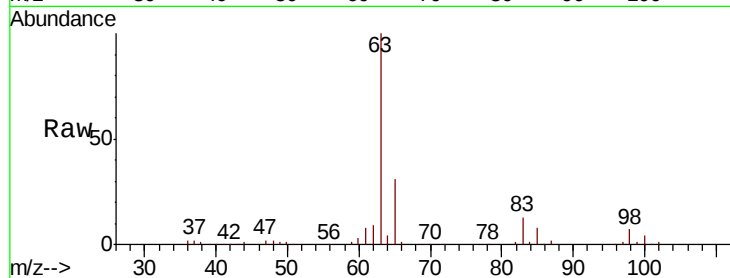
Tot Ion: 63 Resp: 207298

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.6

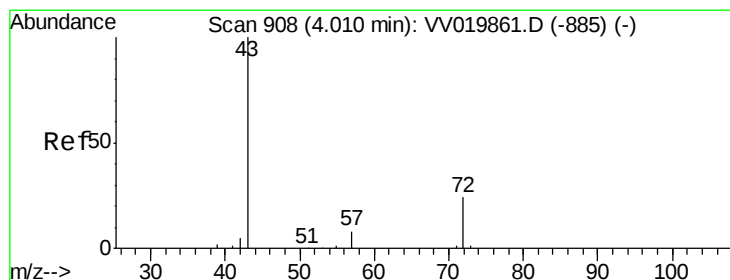
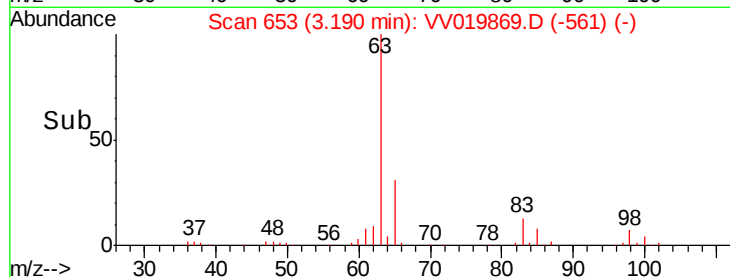
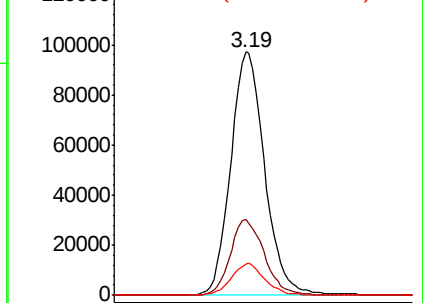
83 12.8 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 50.782 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV019869.D

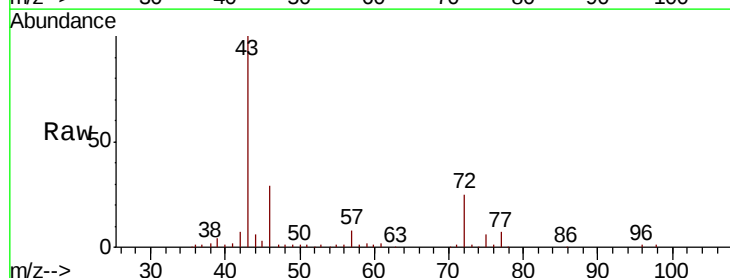
Acq: 29 Dec 2020 18:05

Tgt Ion: 43 Resp: 261533

Ion Ratio Lower Upper

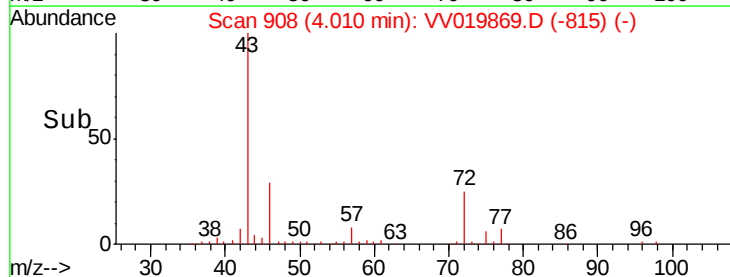
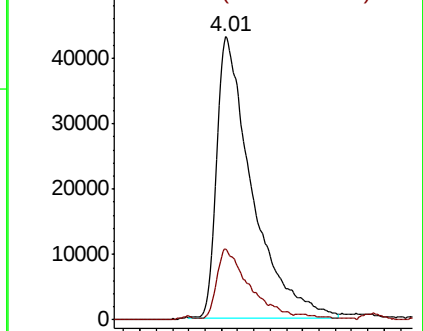
43 100

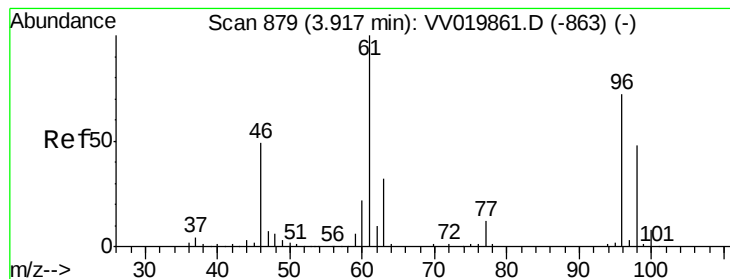
72 20.6 10.9 32.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



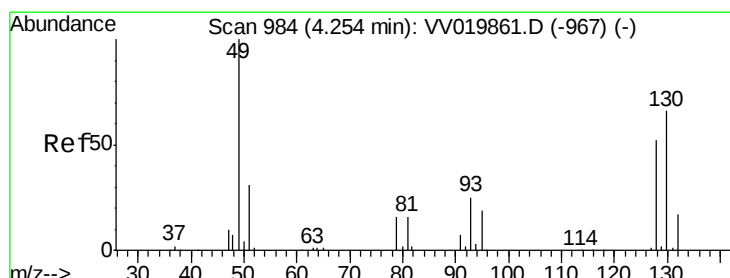
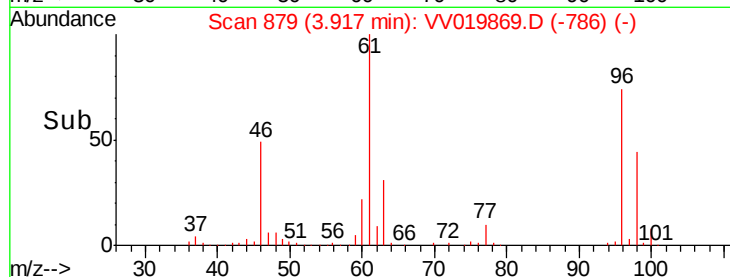
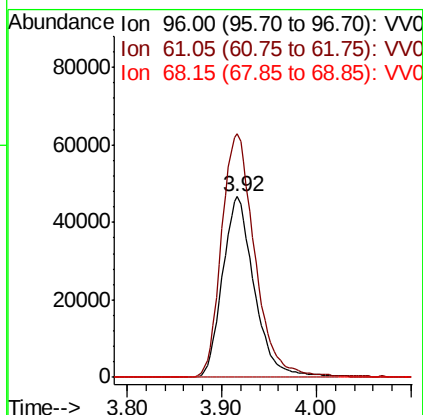
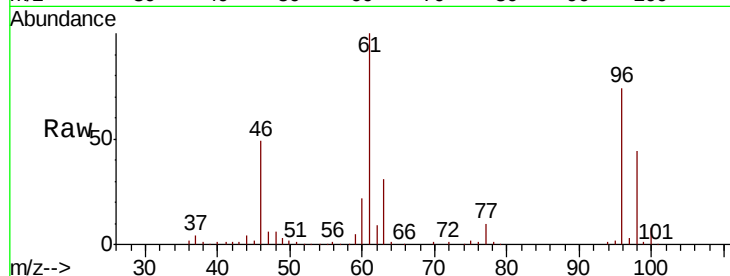


#22

cis-1,2-Dichloroethene
 Concen: 4.976 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

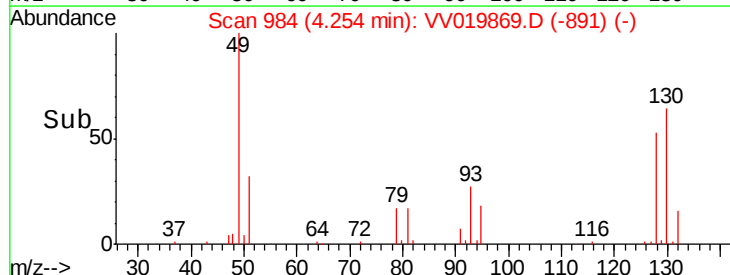
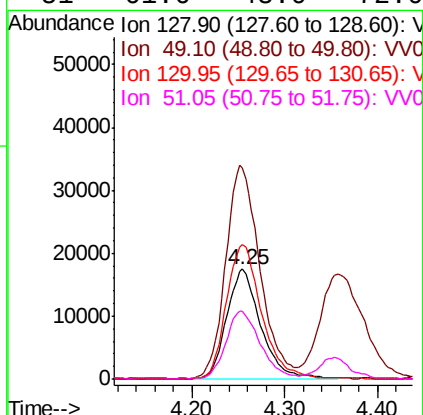
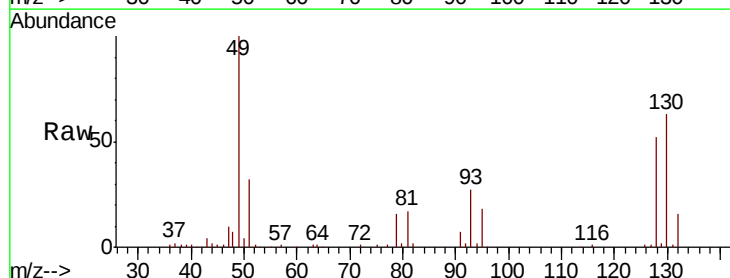
Tot Ion: 96 Resp: 108861
 Ion Ratio Lower Upper
 96 100
 61 135.0 98.1 182.3
 68 0.0 0.0 0.0

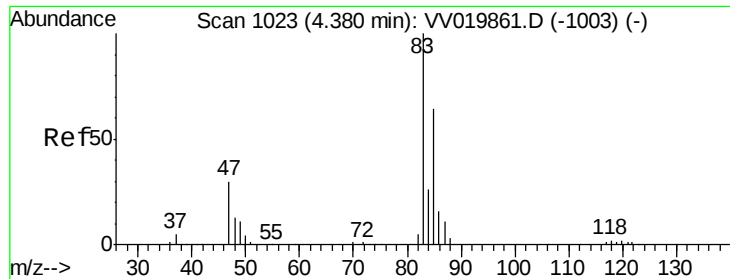


#23

Bromochloromethane
 Concen: 5.107 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion: 128 Resp: 44544
 Ion Ratio Lower Upper
 128 100
 49 192.6 132.6 246.2
 130 122.3 86.4 160.4
 51 61.6 48.0 72.0

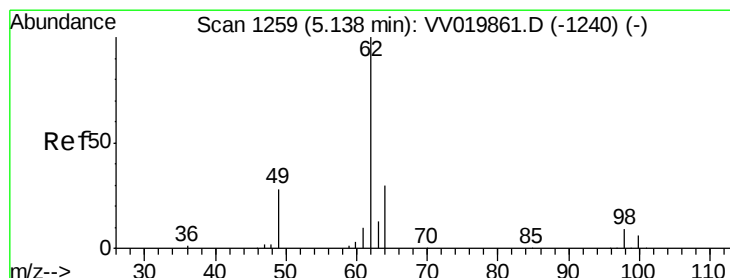
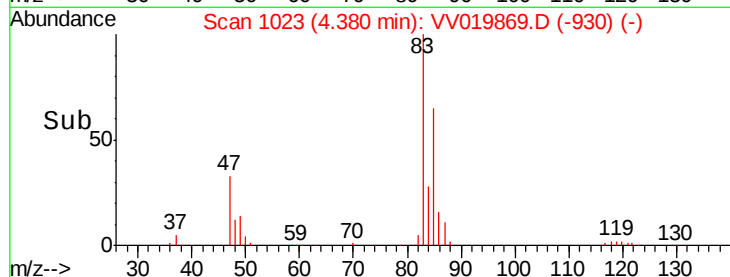
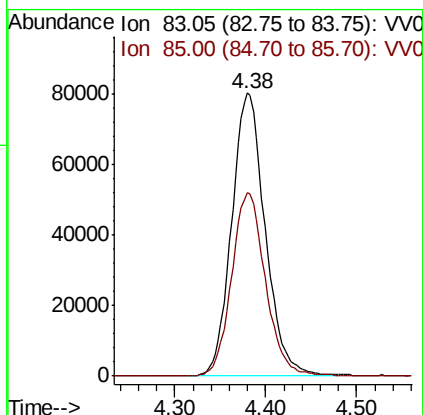
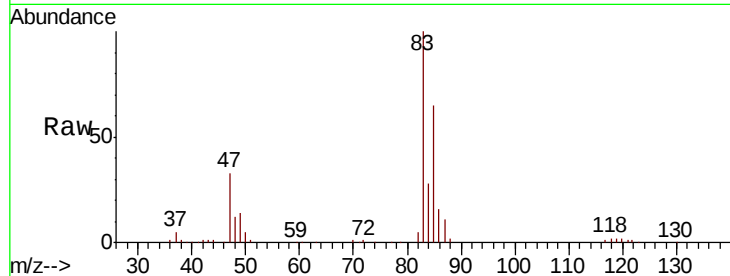




#25
Chloroform
Concen: 5.071 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

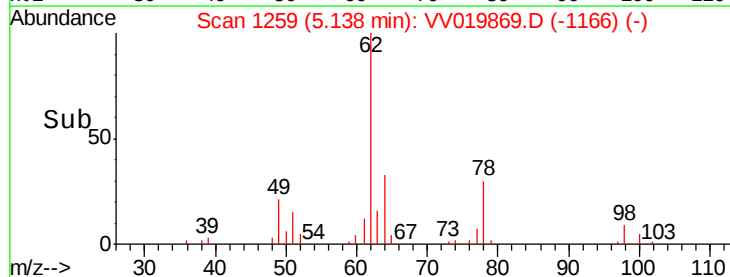
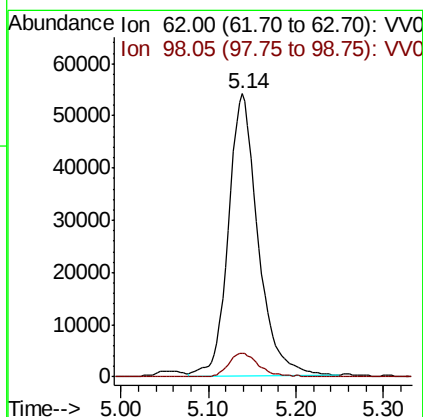
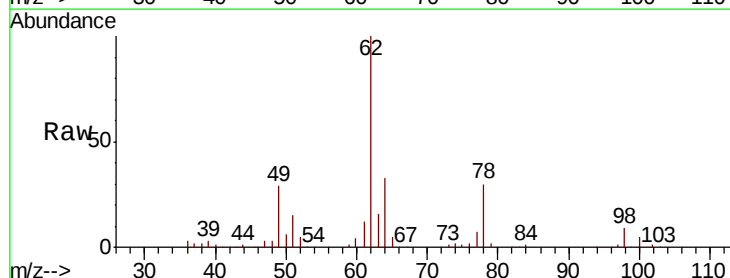
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

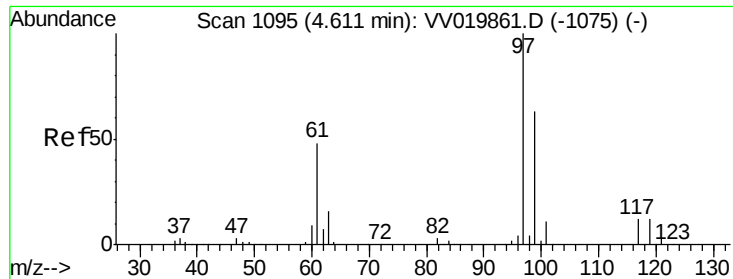
Tot Ion: 83 Resp: 205467
Ion Ratio Lower Upper
83 100
85 64.7 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.146 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Tgt Ion: 62 Resp: 127023
Ion Ratio Lower Upper
62 100
98 8.5 7.6 11.4

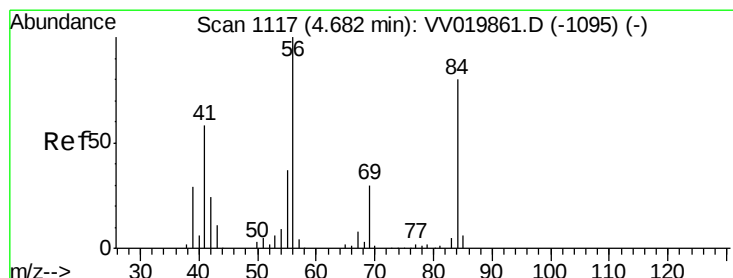
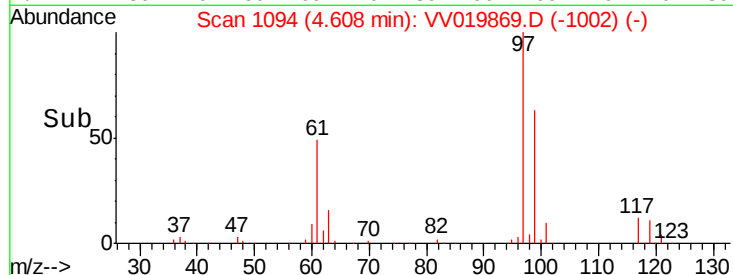
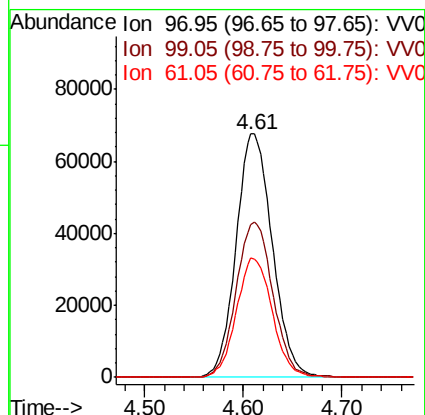
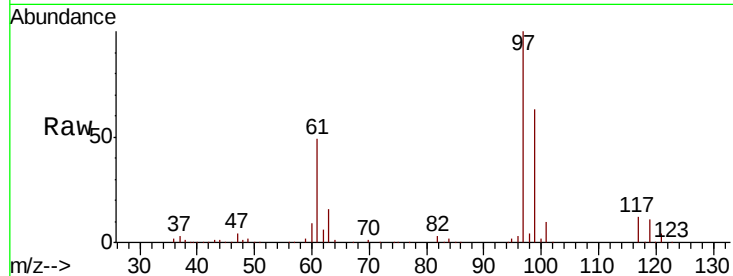




#29
 1,1,1-Trichloroethane
 Concen: 5.020 ug/L
 RT: 4.61 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

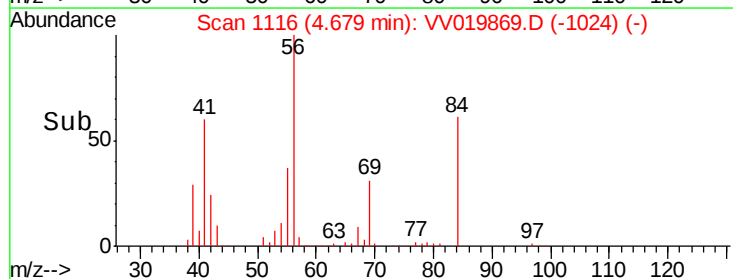
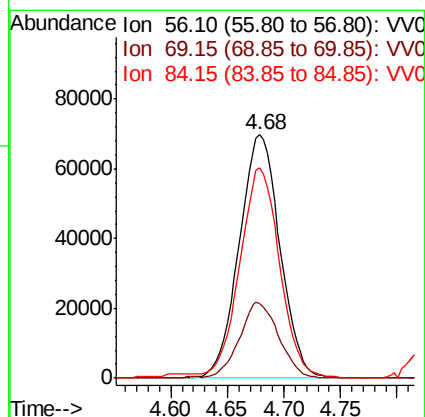
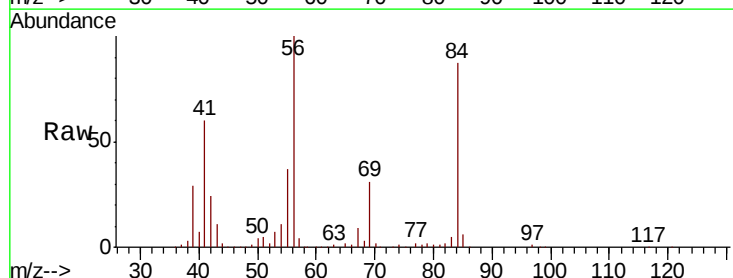
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

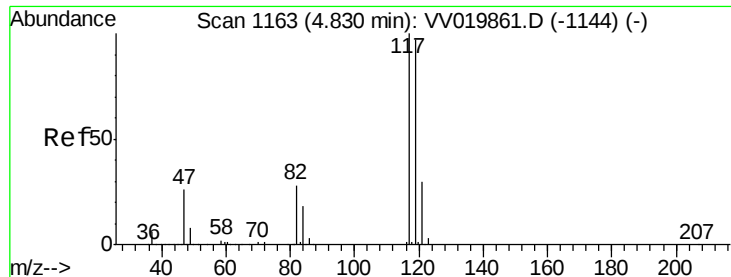
Tot Ion: 97 Resp: 172566
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.1 76.7
 61 48.8 38.6 57.8



#30
 Cyclohexane
 Concen: 5.024 ug/L
 RT: 4.68 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion: 56 Resp: 173744
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.1 36.1
 84 84.6 66.8 100.2





#31

Carbon tetrachloride

Concen: 5.093 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

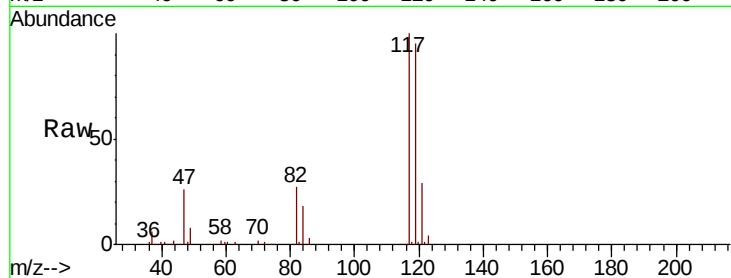
VSTD005302

Tot Ion:117 Resp: 143013

Ion Ratio Lower Upper

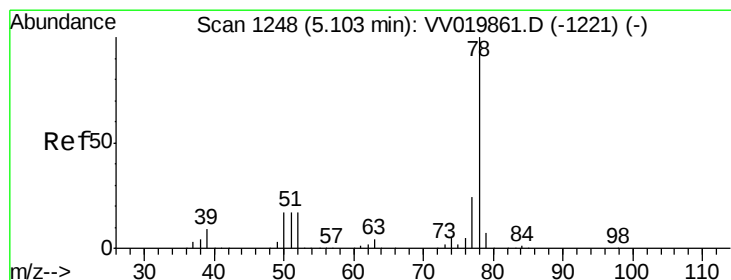
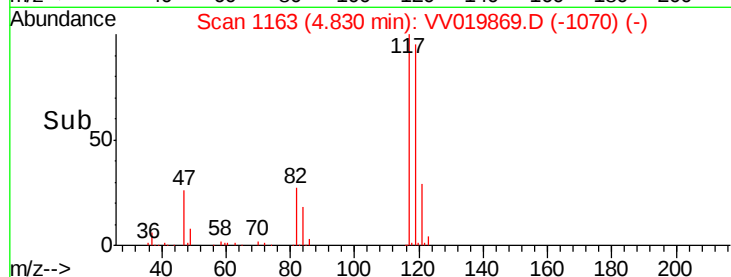
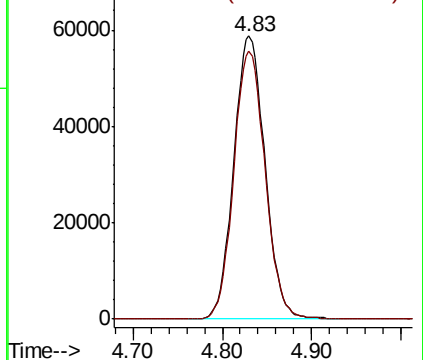
117 100

119 95.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.121 ug/L

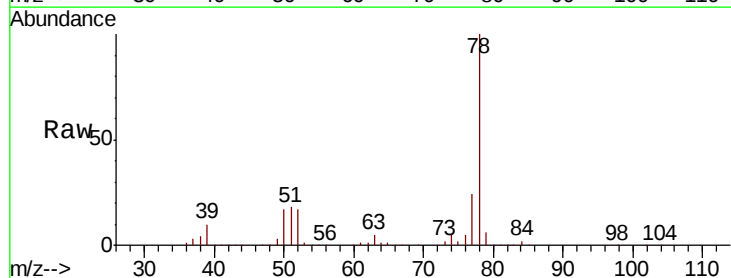
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

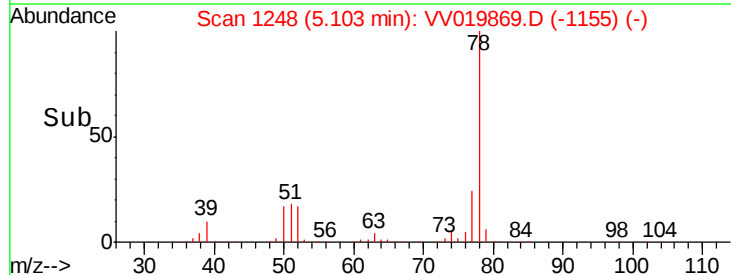
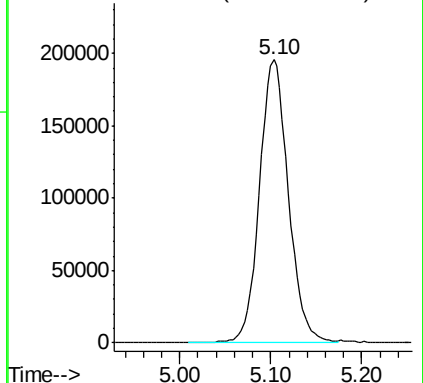
Lab File: VV019869.D

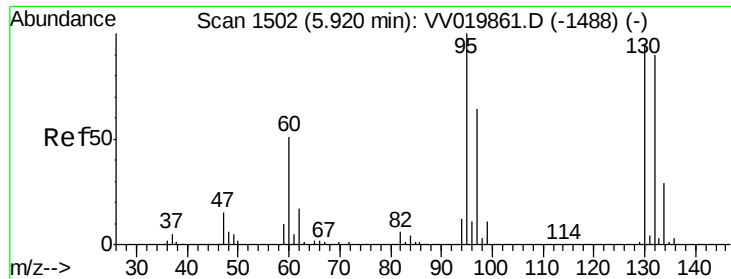
Acq: 29 Dec 2020 18:05

Tgt Ion: 78 Resp: 432199



Abundance Ion 78.10 (77.80 to 78.80): VV0

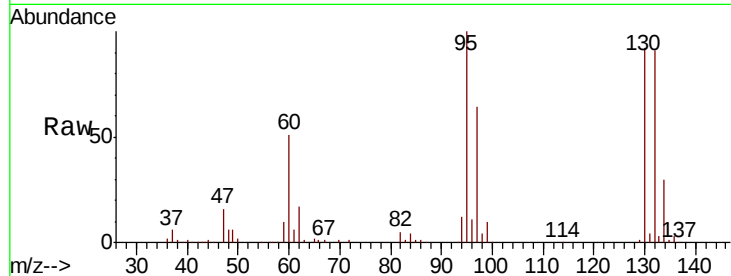




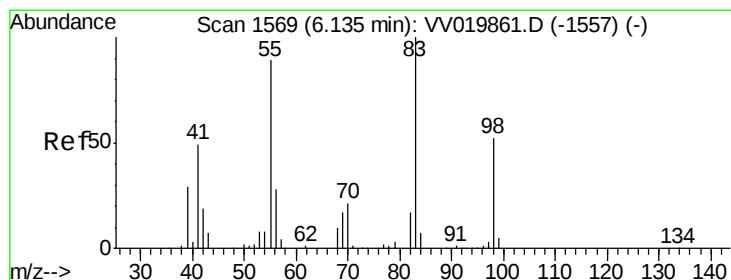
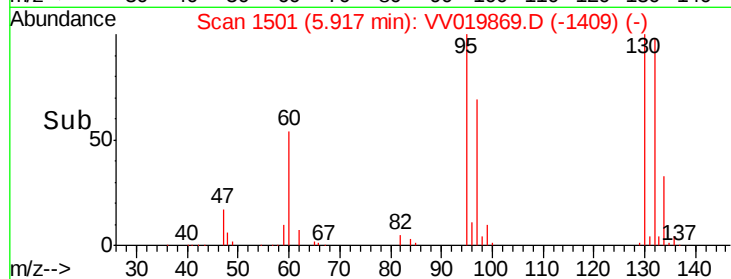
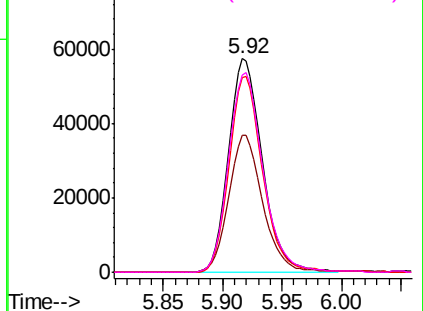
#34
 Trichloroethene
 Concen: 5.023 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Tot Ion: 95 Resp: 113243
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.1 81.9
 132 91.1 61.2 113.8
 130 92.1 65.1 120.9

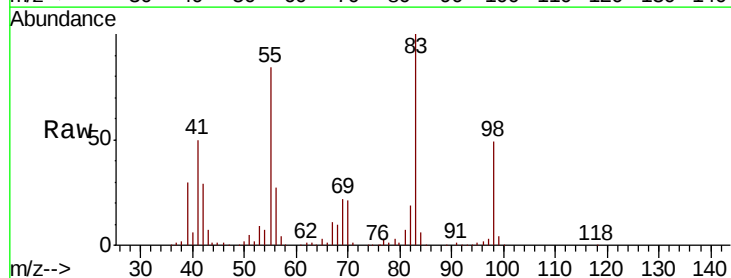


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

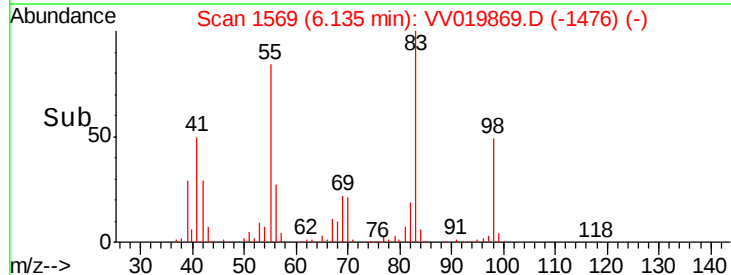
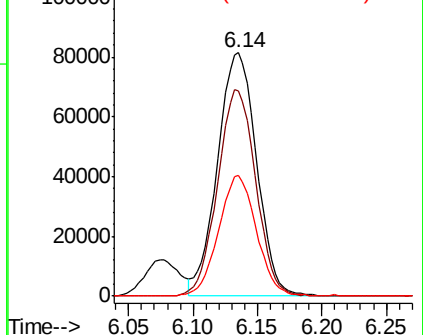


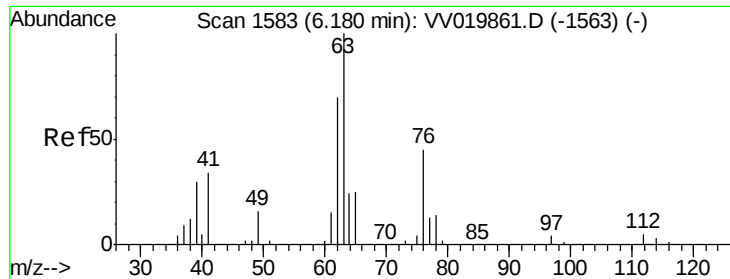
#35
 Methylcyclohexane
 Concen: 5.067 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion: 83 Resp: 170905
 Ion Ratio Lower Upper
 83 100
 55 82.2 67.5 101.3
 98 48.2 38.6 58.0



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.153 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

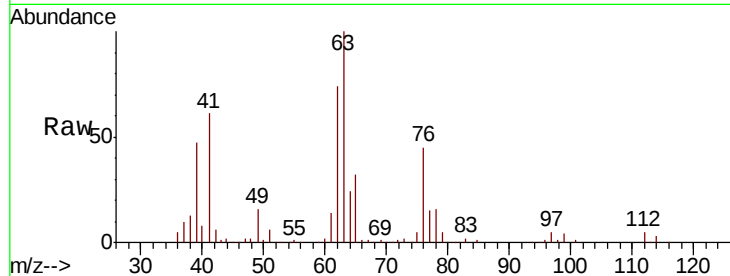
VSTD005302

Tot Ion: 63 Resp: 109048

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV019861.D (-1563) (-)

Ion 112.10 (111.80 to 112.80): VV019861.D (-1563) (-)

6.18

60000

50000

40000

30000

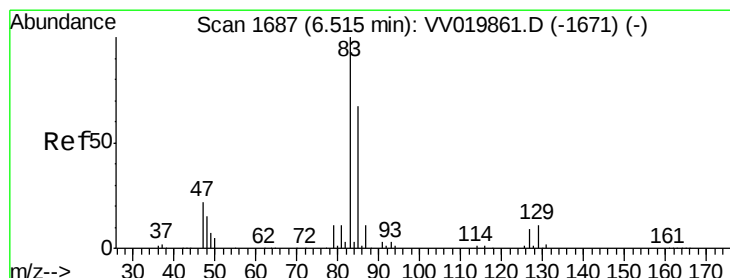
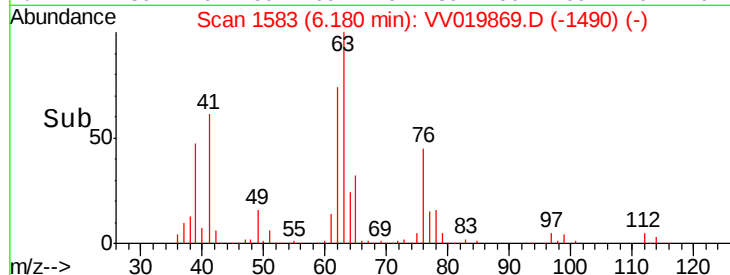
20000

10000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.116 ug/L

RT: 6.51 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

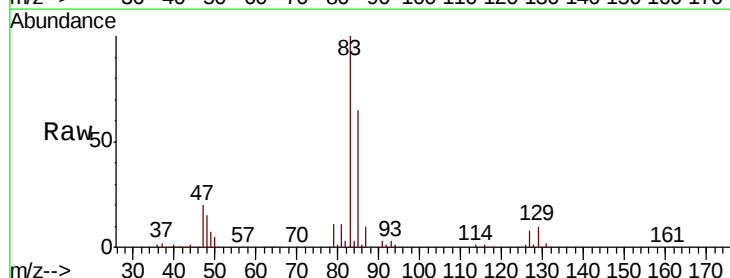
Tgt Ion: 83 Resp: 133550

Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3

127 7.6 6.2 9.2



Abundance Ion 82.95 (82.65 to 83.65): VV019861.D (-1671) (-)

Ion 85.00 (84.70 to 85.70): VV019861.D (-1671) (-)

Ion 126.90 (126.60 to 127.60): VV019861.D (-1671) (-)

6.51

80000

60000

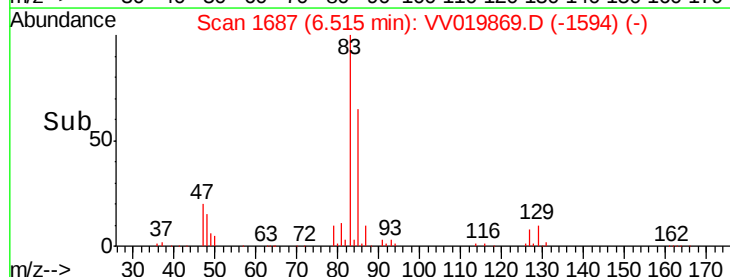
40000

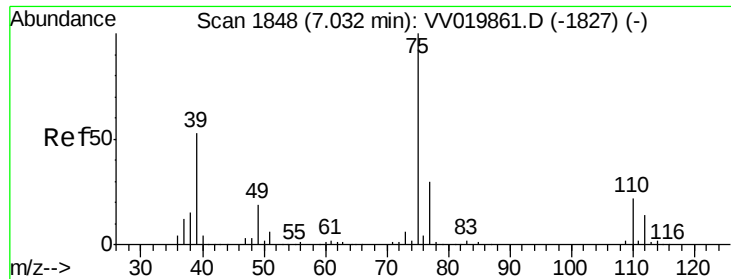
20000

0

6.45 6.50 6.55 6.60

Time-->

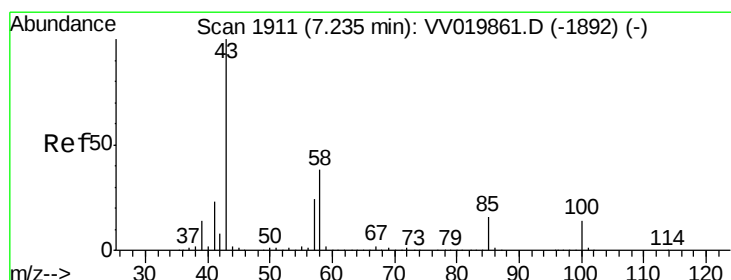
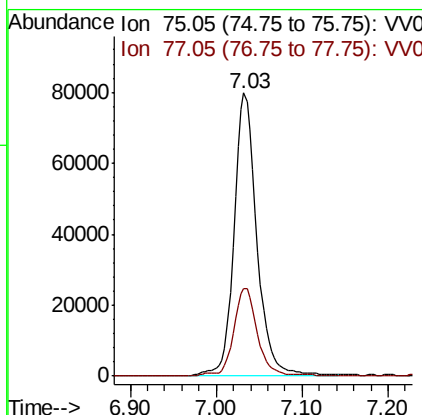
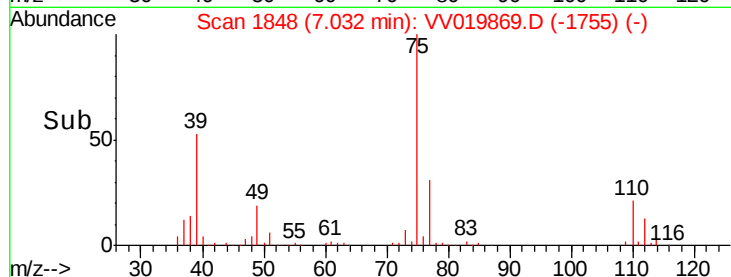
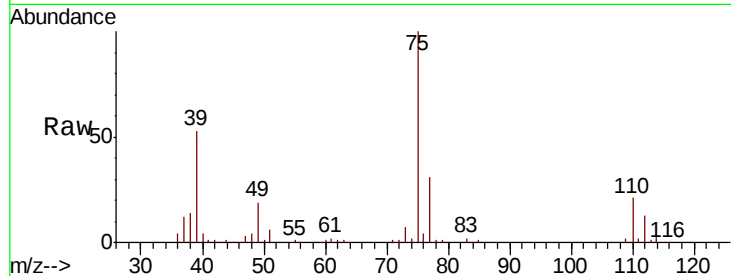




#39
 cis-1,3-Dichloropropene
 Concen: 5.079 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

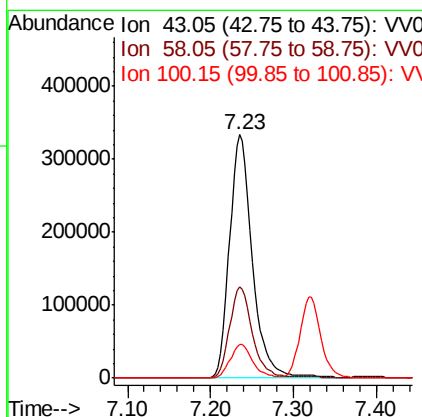
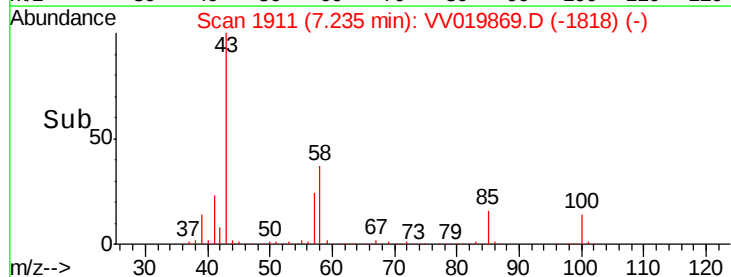
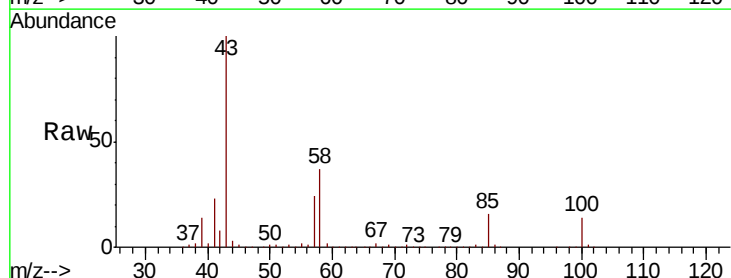
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

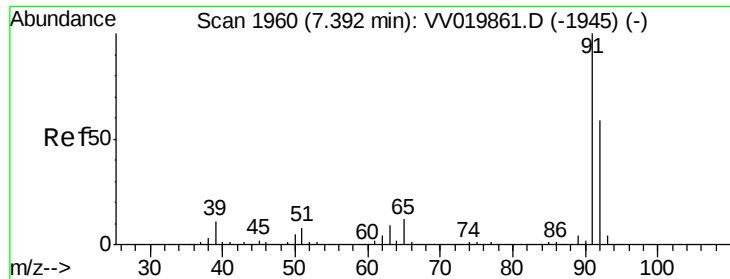
Tot Ion: 75 Resp: 147527
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 53.508 ug/L
 RT: 7.23 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion: 43 Resp: 639481
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.0 45.0
 100 13.7 11.4 17.0





#42

Toluene

Concen: 5.163 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

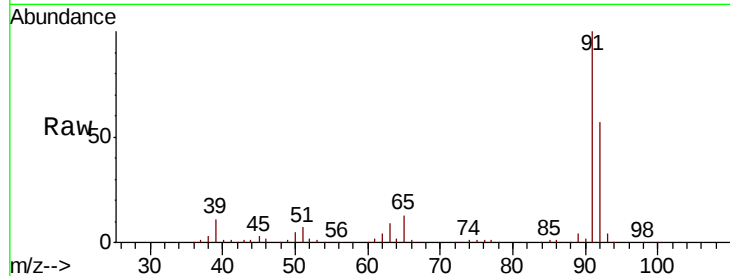
VSTD005302

Tot Ion: 91 Resp: 442535

Ion Ratio Lower Upper

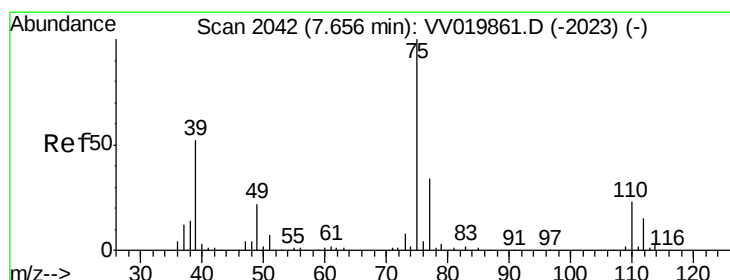
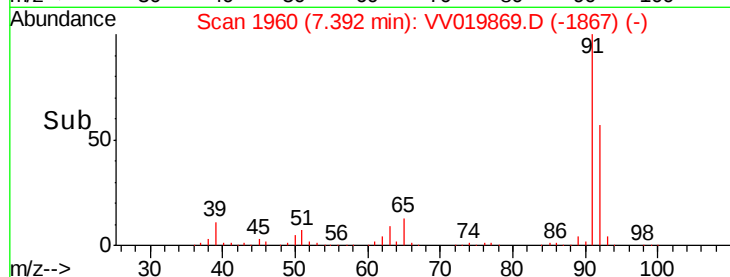
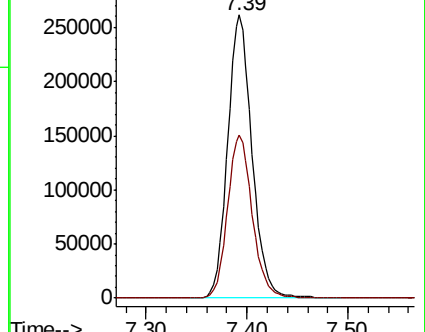
91 100

92 57.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV019869.D (-1867) (-)

Ion 92.15 (91.85 to 92.85): VV019869.D (-1867) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.095 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. 0.00 min

Lab File: VV019869.D

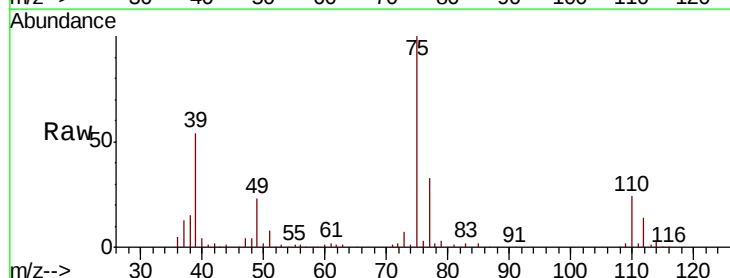
Acq: 29 Dec 2020 18:05

Tgt Ion: 75 Resp: 121211

Ion Ratio Lower Upper

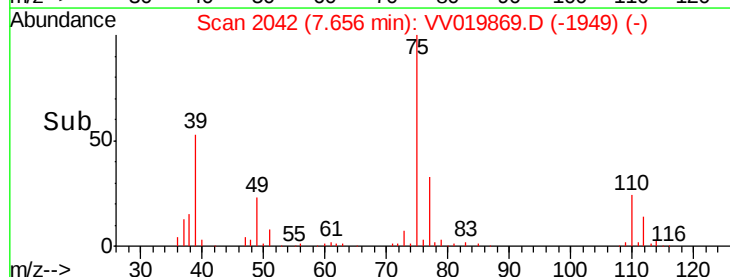
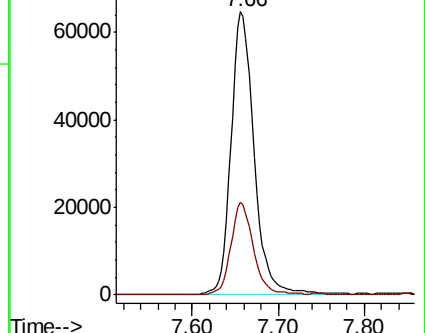
75 100

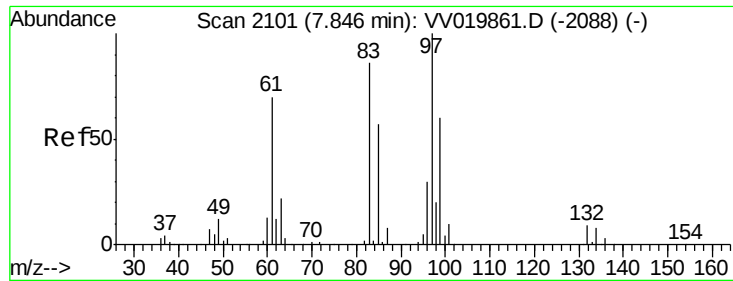
77 32.8 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV019869.D (-1949) (-)

Ion 77.05 (76.75 to 77.75): VV019869.D (-1949) (-)

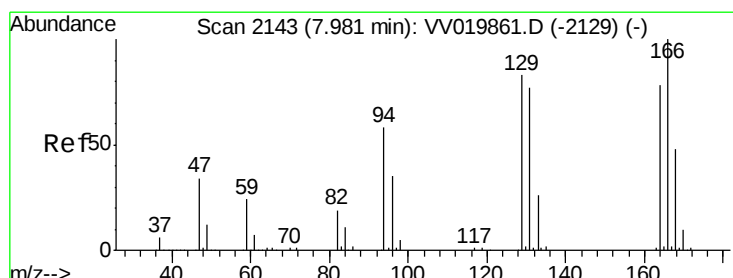
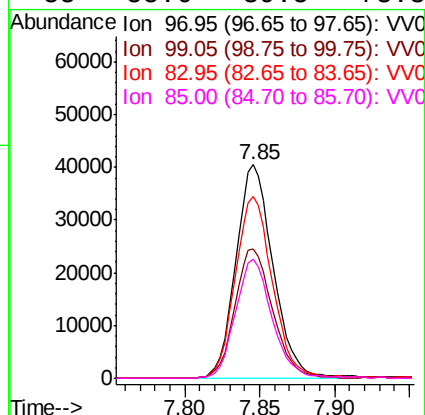
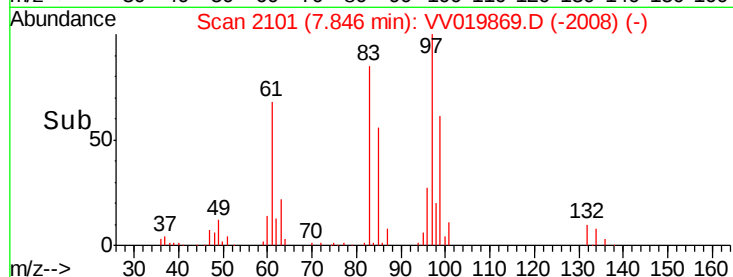
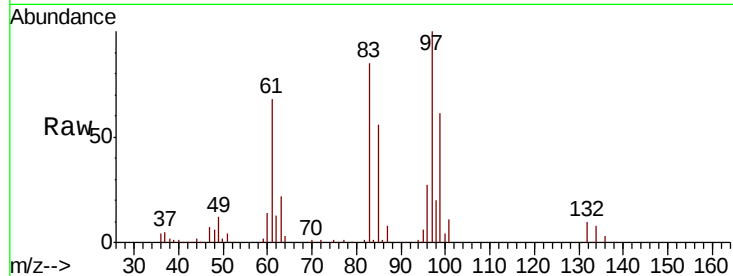




#45
 1,1,2-Trichloroethane
 Concen: 5.107 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

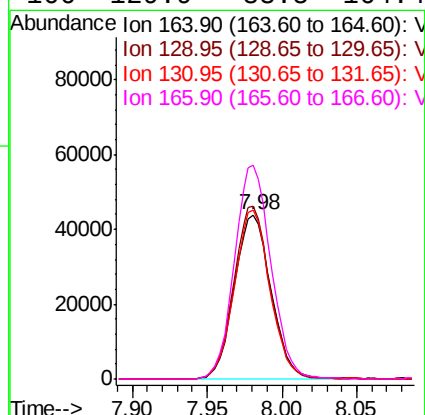
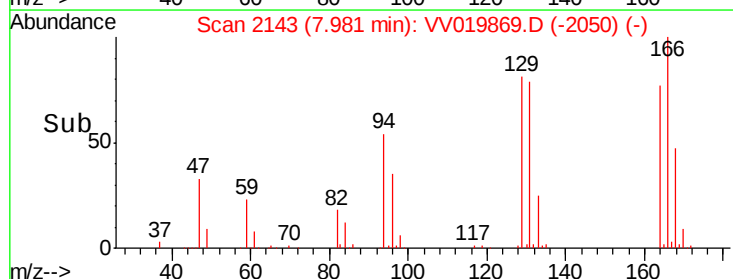
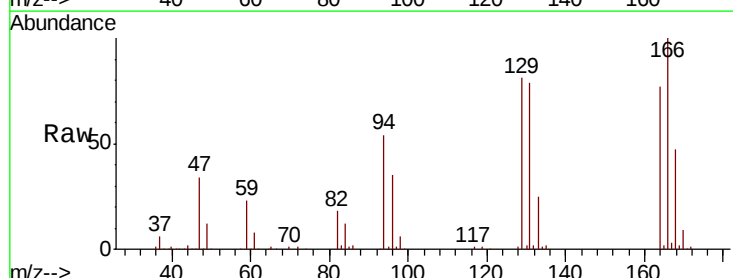
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

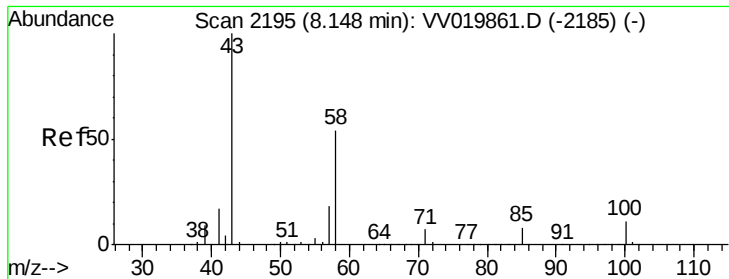
Tot Ion:	97	Resp:	69892
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.4	78.8
83	85.0	59.4	110.4
85	55.6	39.5	73.3



#47
 Tetrachloroethene
 Concen: 4.892 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion:	164	Resp:	74926
Ion	Ratio	Lower	Upper
164	100		
129	105.1	72.1	133.9
131	103.1	68.9	127.9
166	129.9	88.5	164.4

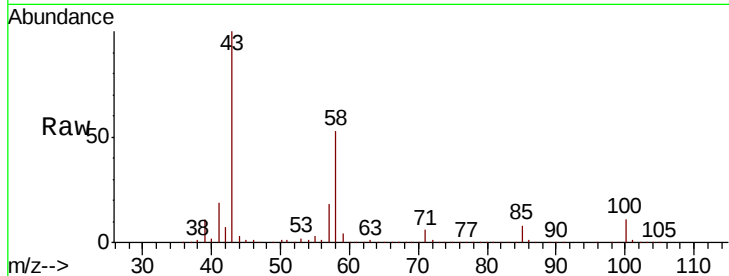




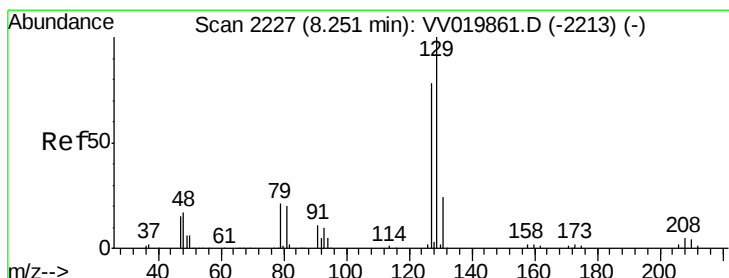
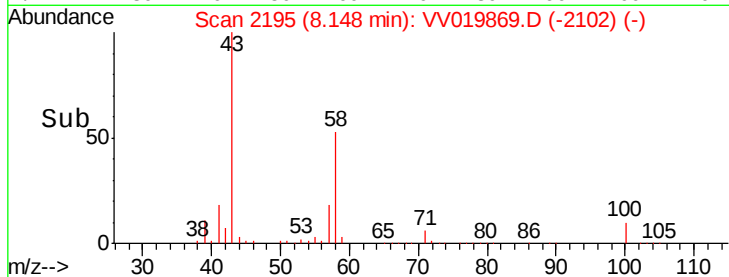
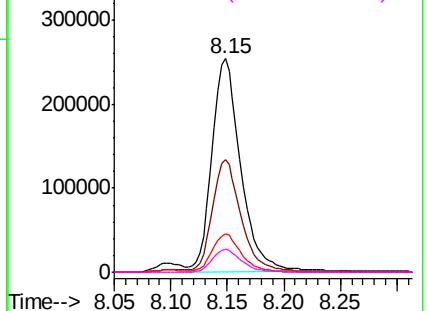
#48
2-Hexanone
Concen: 53.931 ug/L
RT: 8.15 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

Tot Ion: 43 Resp: 446750
Ion Ratio Lower Upper
43 100
58 53.0 42.4 63.6
57 17.9 14.8 22.2
100 11.1 9.1 13.7

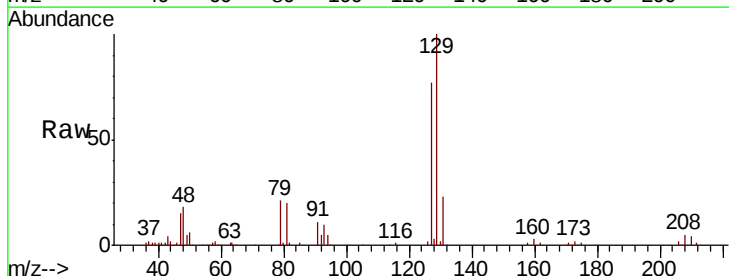


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

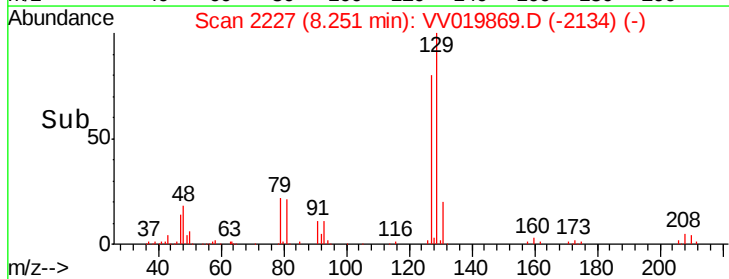
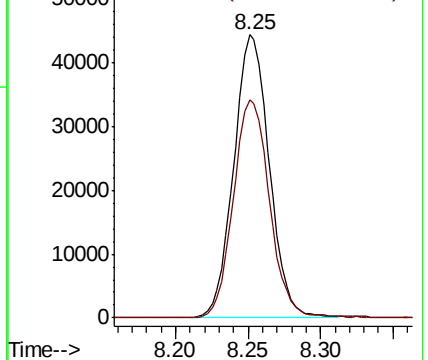


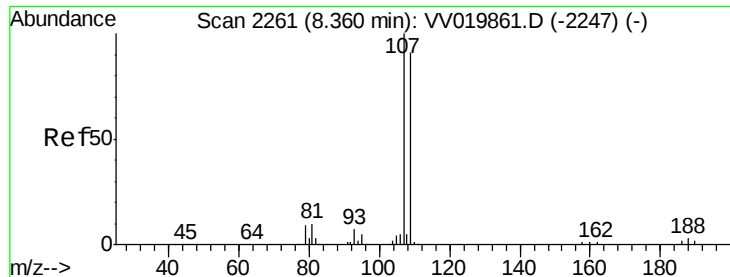
#49
Dibromochloromethane
Concen: 5.119 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Tgt Ion: 129 Resp: 75780
Ion Ratio Lower Upper
129 100
127 77.0 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

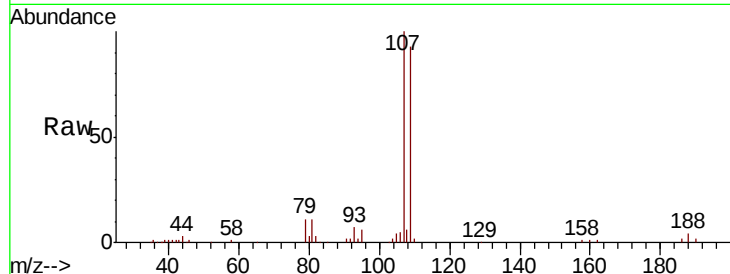




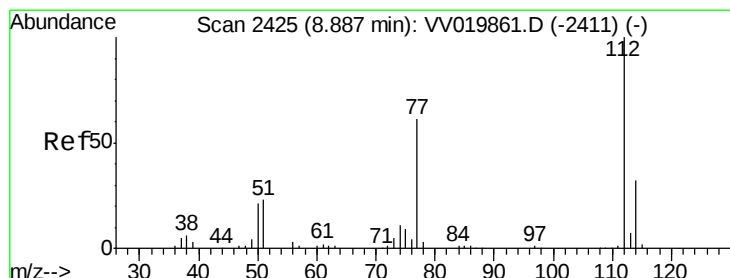
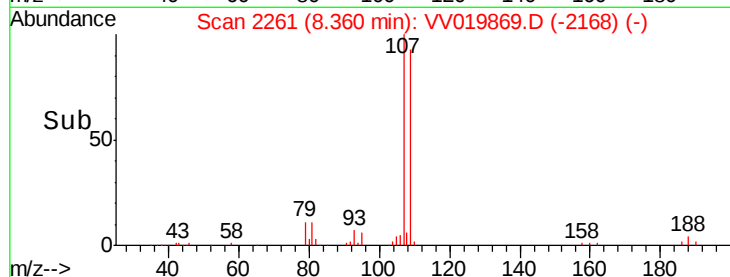
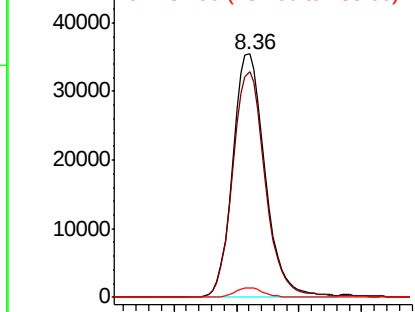
#50
1,2-Dibromoethane
Concen: 5.122 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

Tot Ion:107 Resp: 63669
Ion Ratio Lower Upper
107 100
109 92.7 63.8 118.4
188 4.1 2.5 3.7#

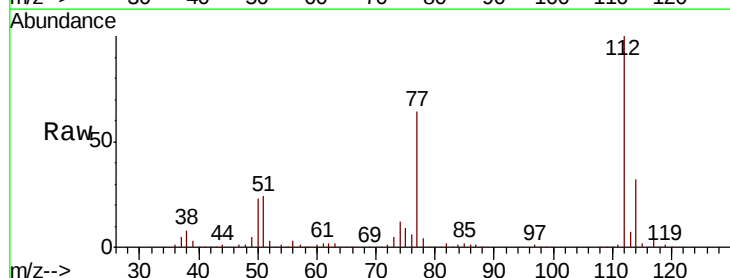


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

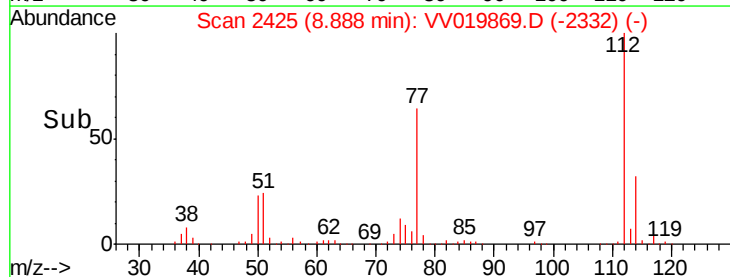
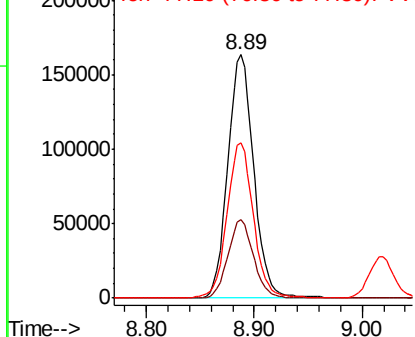


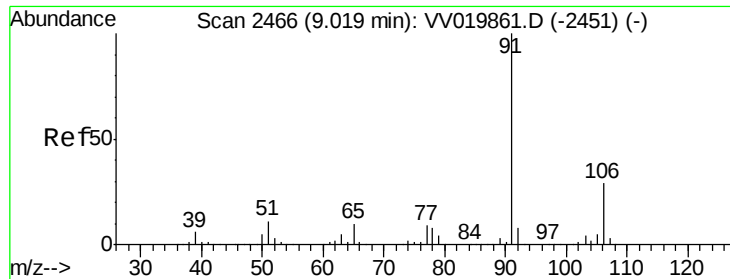
#51
Chlorobenzene
Concen: 5.060 ug/L
RT: 8.89 min Scan# 2425
Delta R.T. 0.00 min
Lab File: VV019869.D
Acq: 29 Dec 2020 18:05

Tgt Ion:112 Resp: 274299
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.6
77 63.9 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.112 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

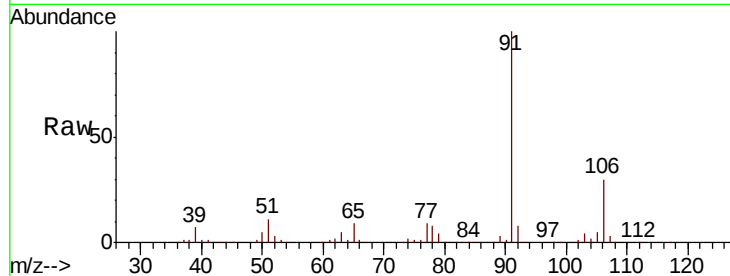
VSTD005302

Tot Ion: 91 Resp: 485545

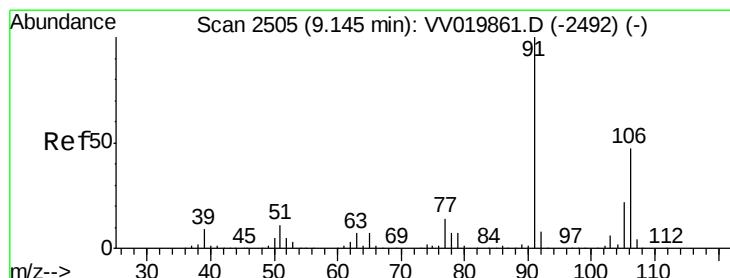
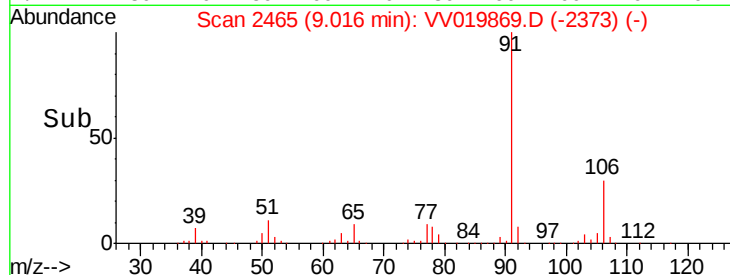
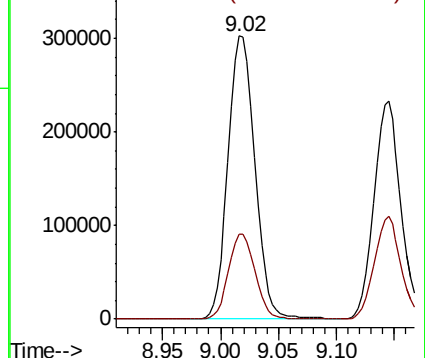
Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VV019869.D (-2465) (-)



#53

m,p-xylene

Concen: 5.045 ug/L

RT: 9.14 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VV019869.D

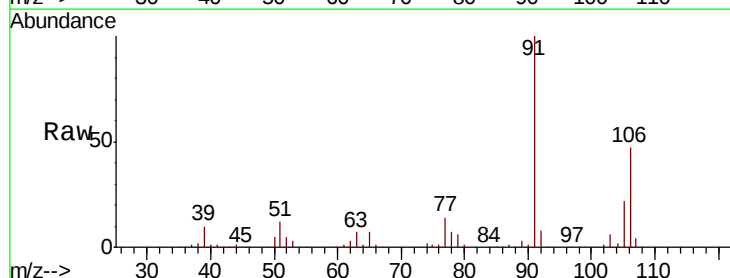
Acq: 29 Dec 2020 18:05

Tgt Ion: 106 Resp: 175128

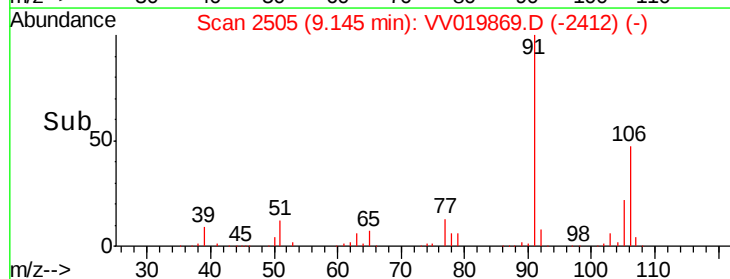
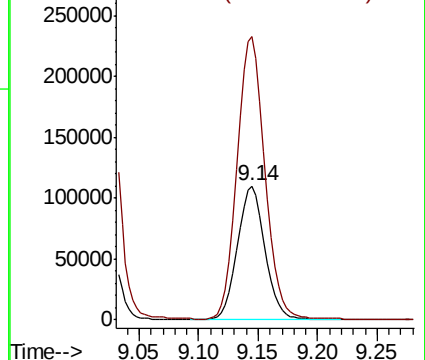
Ion Ratio Lower Upper

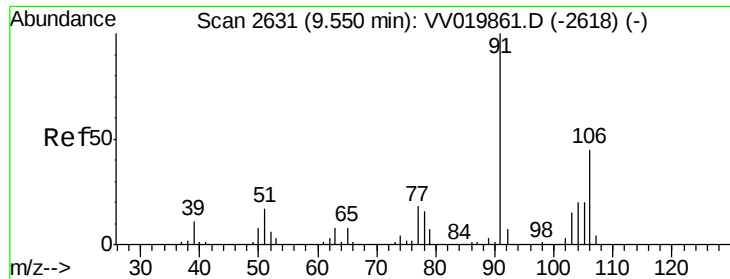
106 100

91 211.5 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): VV019869.D (-2505) (-)





#54

o-xylene

Concen: 5.158 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

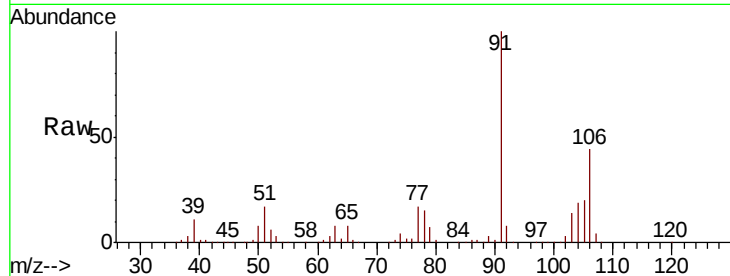
VSTD005302

Tot Ion:106 Resp: 171642

Ion Ratio Lower Upper

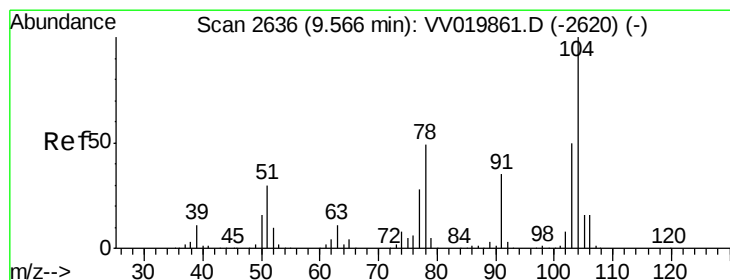
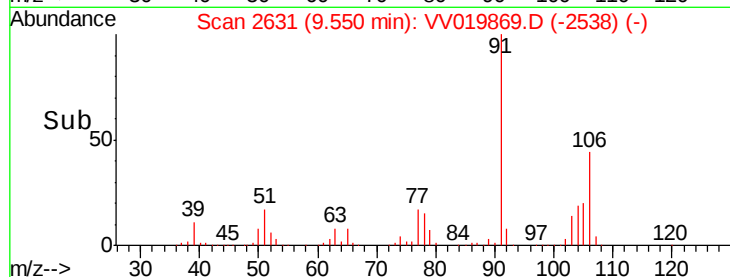
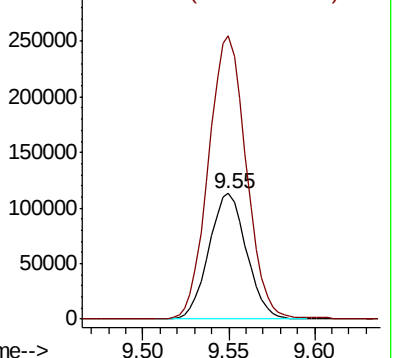
106 100

91 225.6 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.255 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019869.D

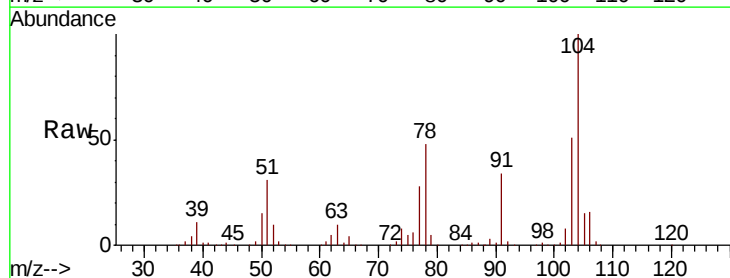
Acq: 29 Dec 2020 18:05

Tgt Ion:104 Resp: 295532

Ion Ratio Lower Upper

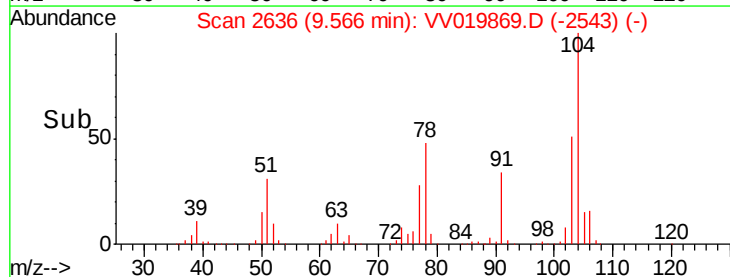
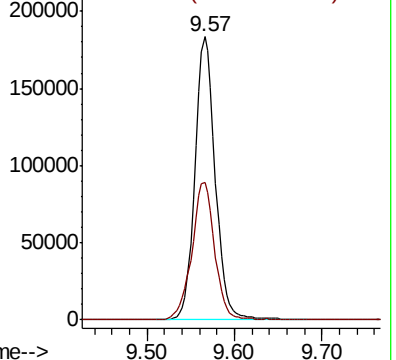
104 100

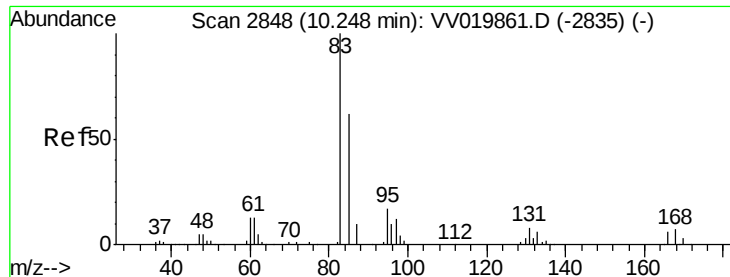
78 48.4 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

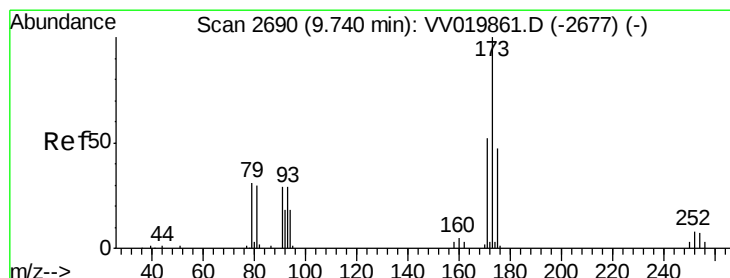
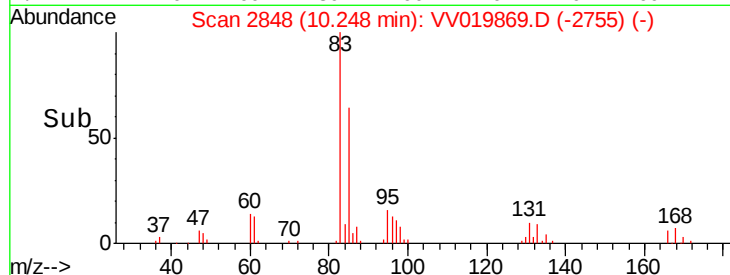
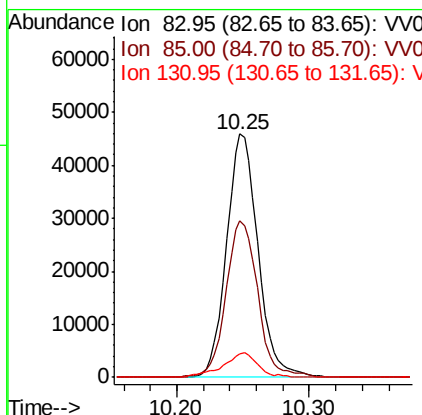
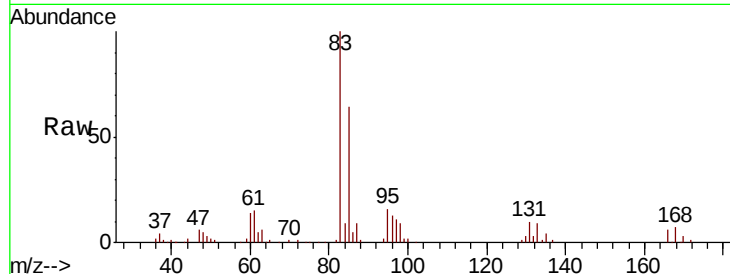




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.210 ug/L
 RT: 10.25 min Scan# 2848
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

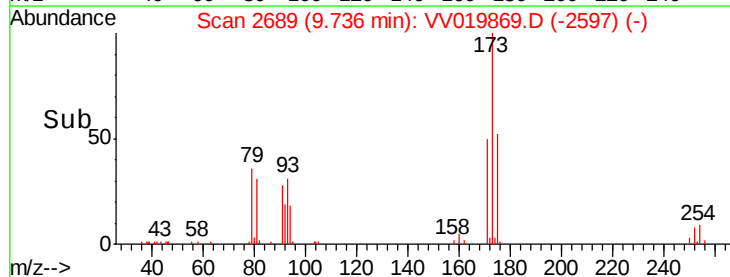
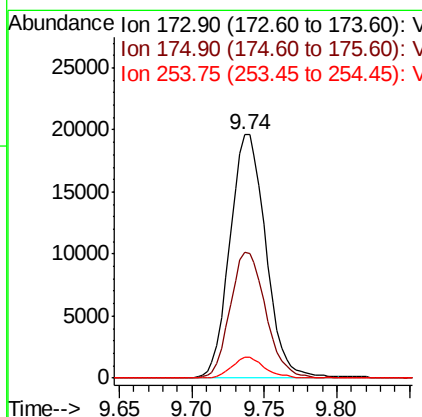
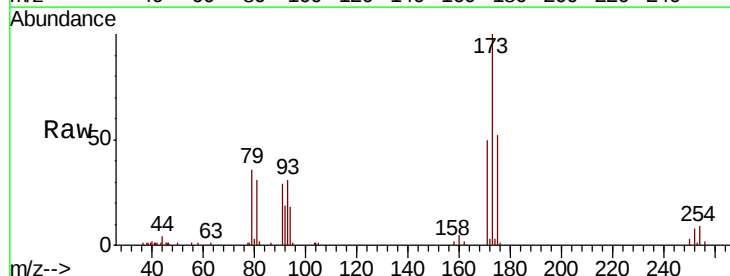
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

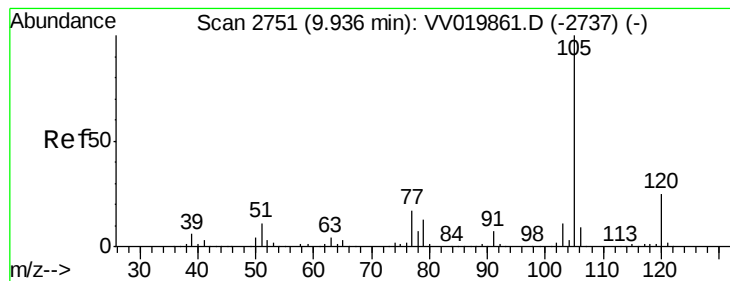
Tot Ion: 83 Resp: 75481
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.3 82.3
 131 9.7 7.4 11.2



#59
 Bromoform
 Concen: 4.972 ug/L
 RT: 9.74 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion: 173 Resp: 33726
 Ion Ratio Lower Upper
 173 100
 175 50.9 38.3 57.5
 254 7.8 6.4 9.6





#60

Isopropylbenzene

Concen: 5.099 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

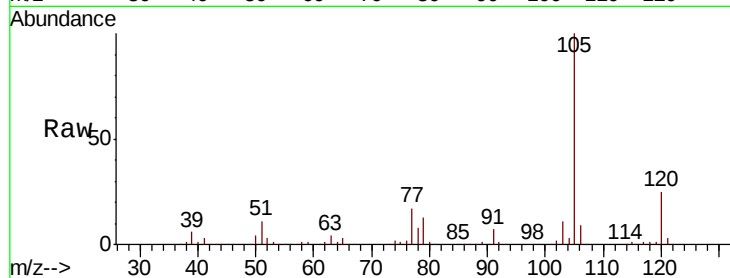
Tot Ion: 105 Resp: 464046

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

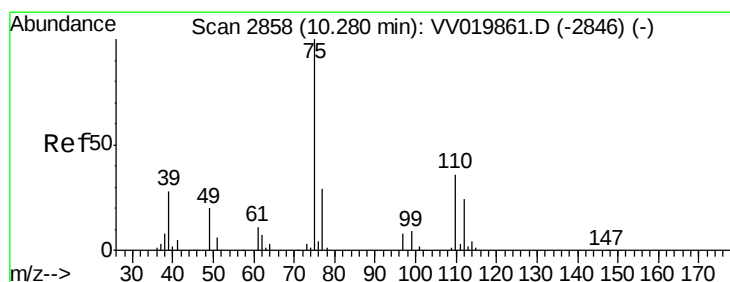
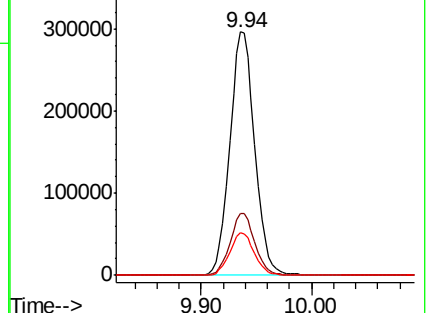
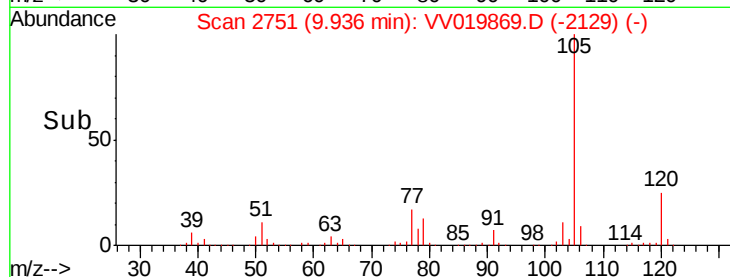
77 17.1 13.7 20.5



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



#61

1,2,3-Trichloropropane

Concen: 5.094 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

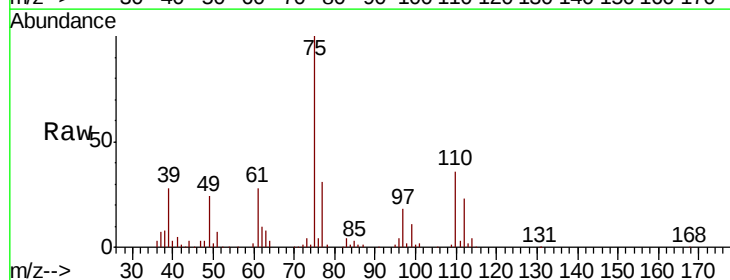
Tgt Ion: 75 Resp: 61576

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

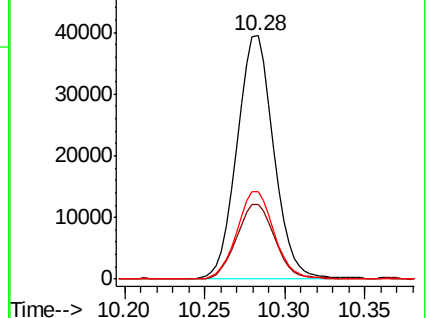
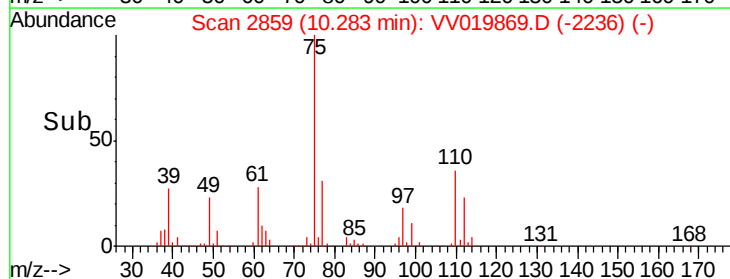
110 36.4 30.5 45.7

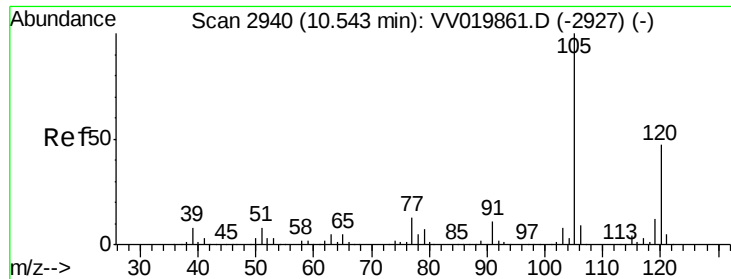


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.108 ug/L

RT: 10.55 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

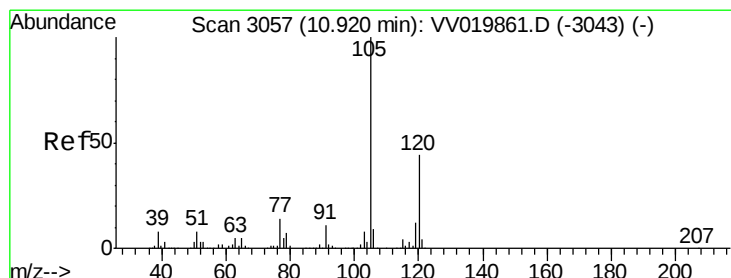
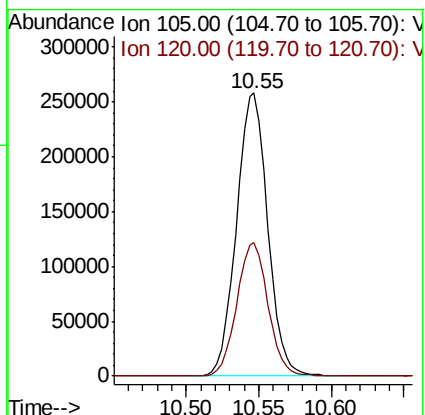
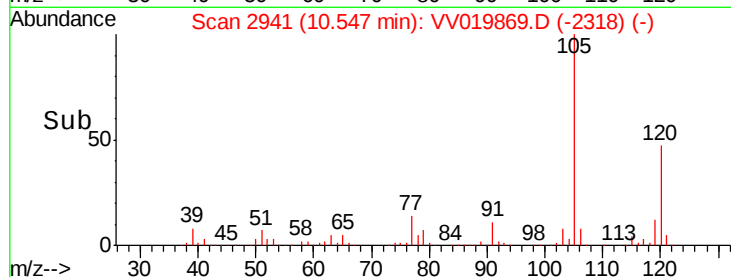
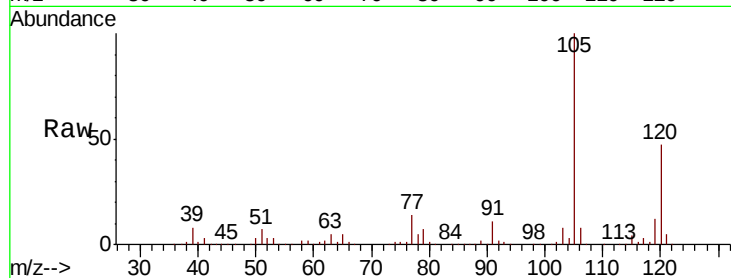
VSTD005302

Tot Ion:105 Resp: 384381

Ion Ratio Lower Upper

105 100

120 47.4 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 5.166 ug/L

RT: 10.92 min Scan# 3057

Delta R.T. 0.00 min

Lab File: VV019869.D

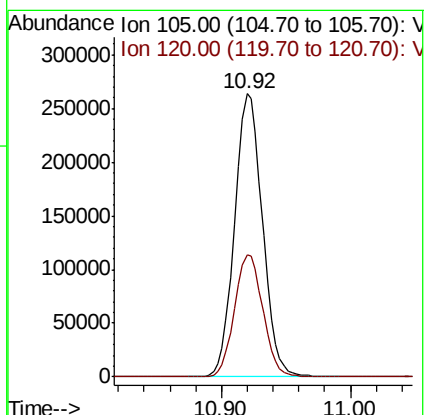
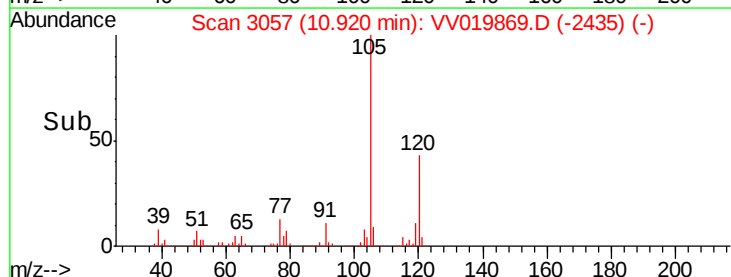
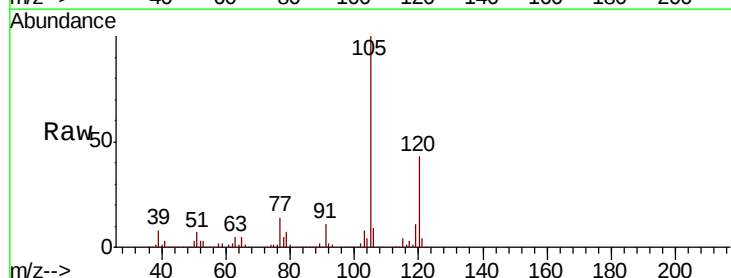
Acq: 29 Dec 2020 18:05

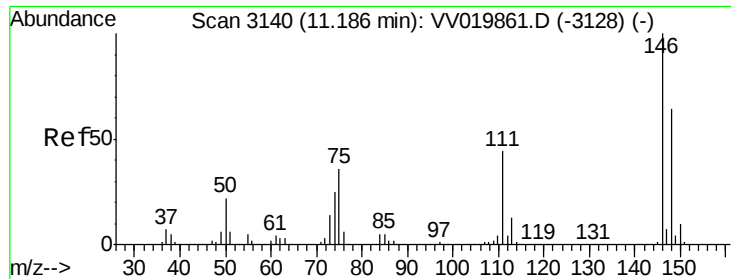
Tgt Ion:105 Resp: 395963

Ion Ratio Lower Upper

105 100

120 44.1 34.9 52.3

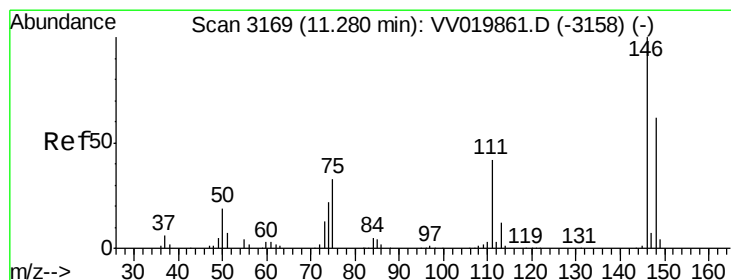
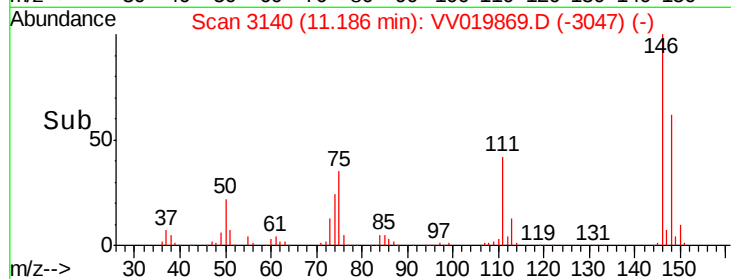
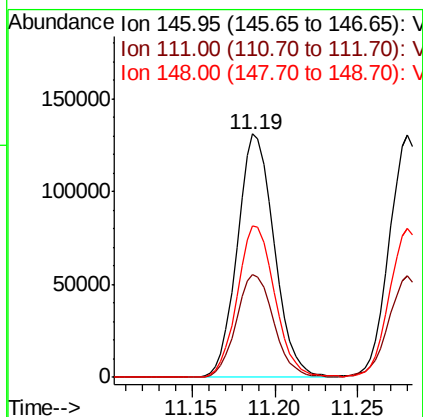
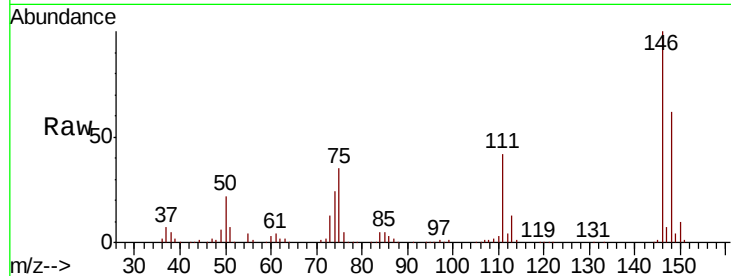




#64
 1,3-Dichlorobenzene
 Concen: 5.078 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

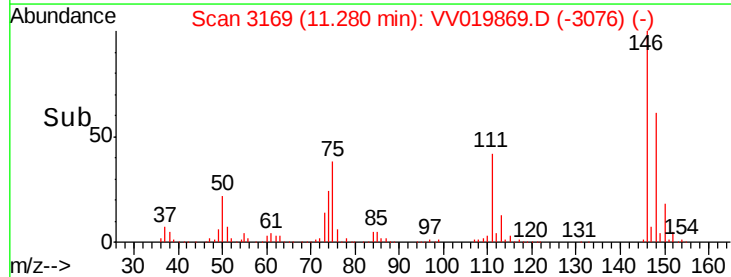
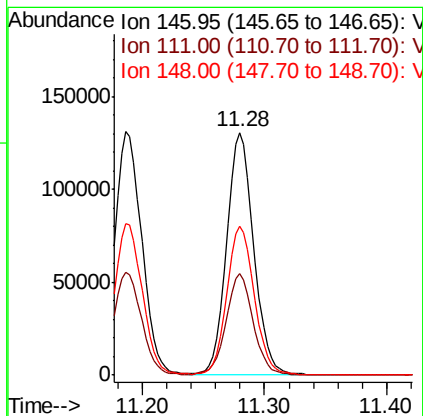
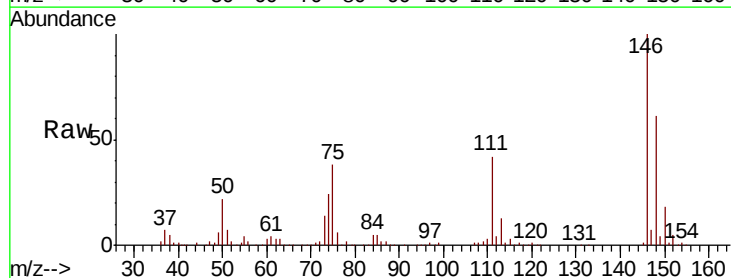
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

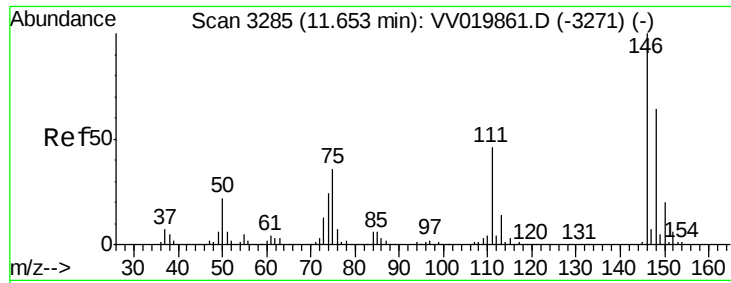
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	30.4	56.5
148	62.2	45.8	85.2



#65
 1,4-Dichlorobenzene
 Concen: 5.069 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.7	55.1
148	61.3	45.1	83.7

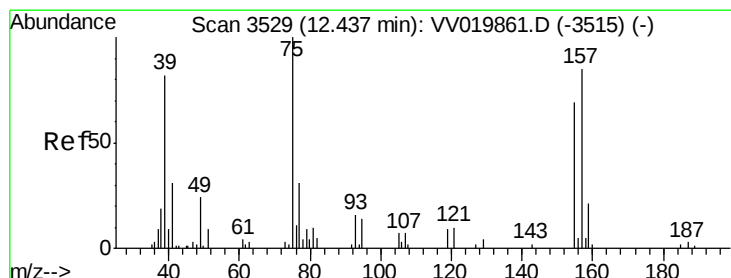
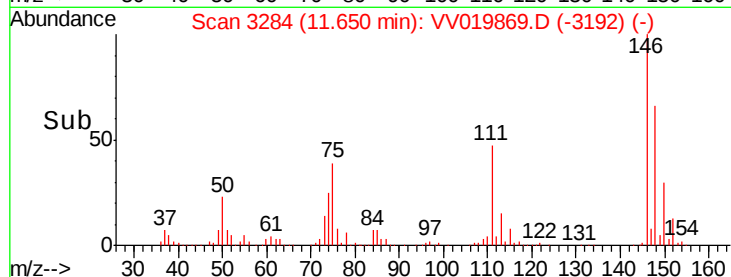
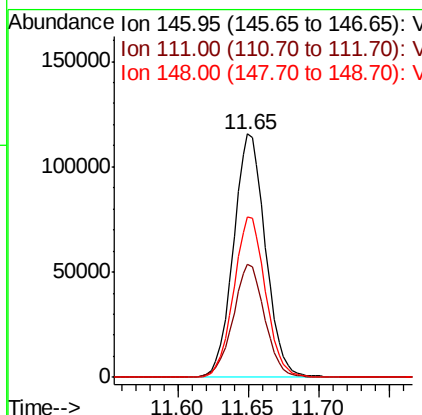
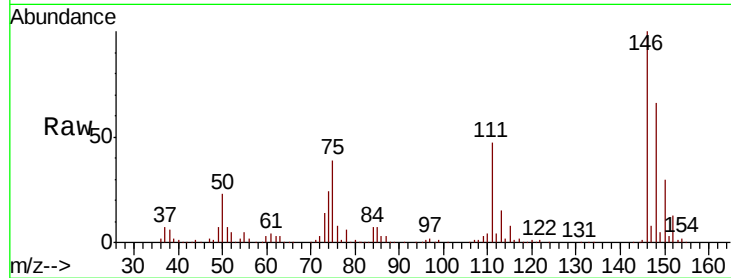




#67
 1,2-Dichlorobenzene
 Concen: 4.996 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

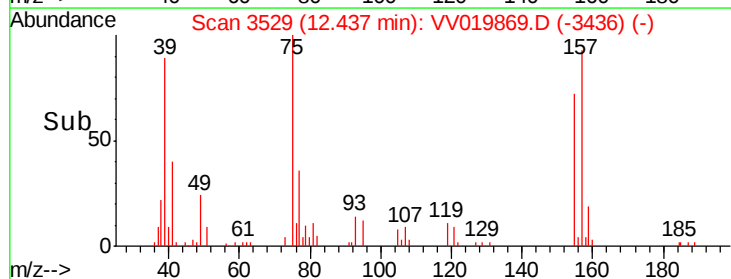
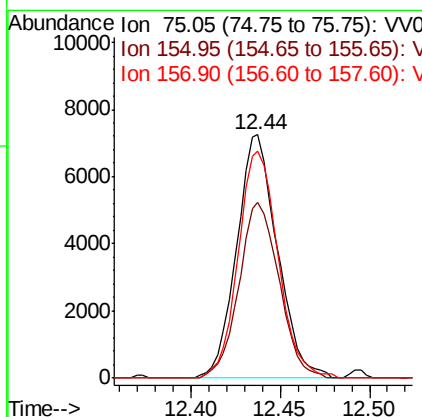
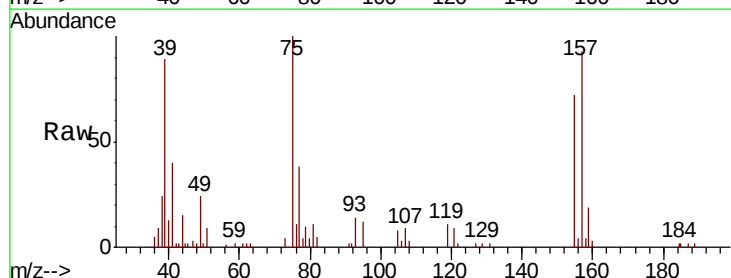
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD005302

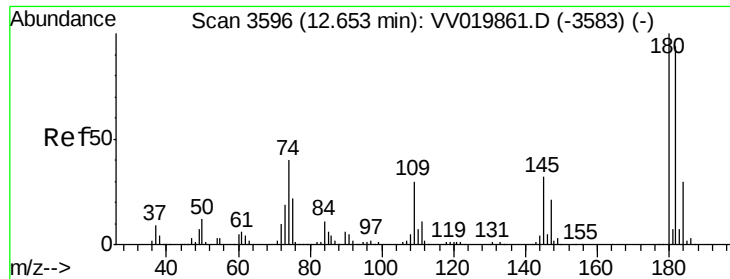
Tot Ion:146 Resp: 183599
 Ion Ratio Lower Upper
 146 100
 111 46.6 37.7 56.5
 148 65.8 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.631 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion: 75 Resp: 11543
 Ion Ratio Lower Upper
 75 100
 155 72.4 56.5 84.7
 157 93.4 74.2 111.2

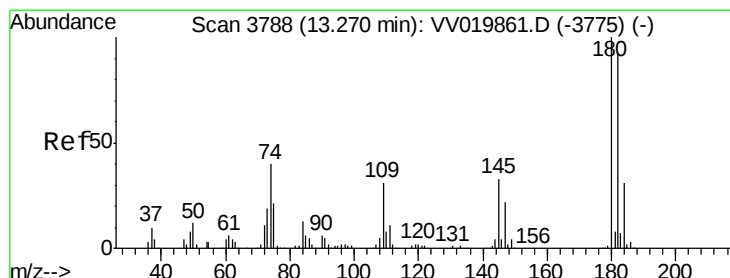
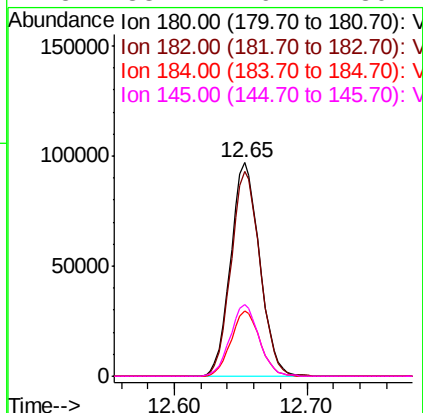
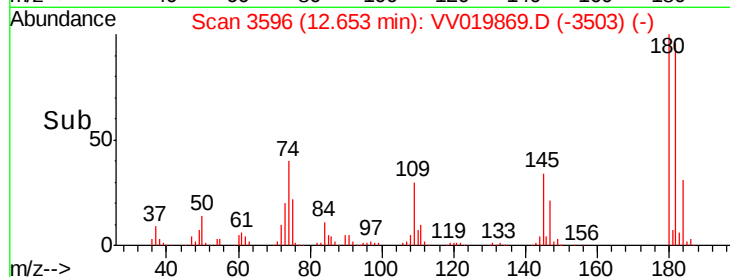
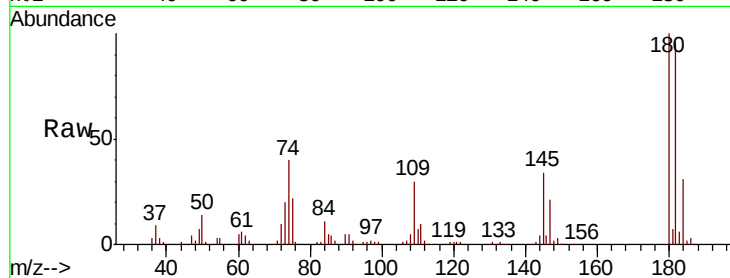




#69
 1,3,5-Trichlorobenzene
 Concen: 4.977 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

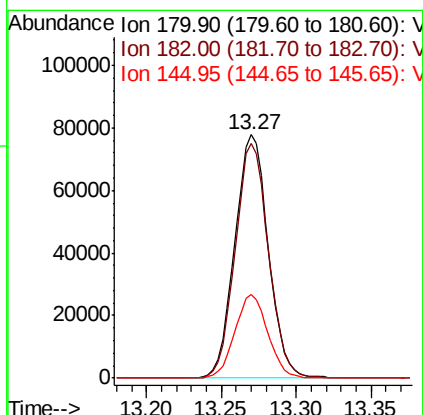
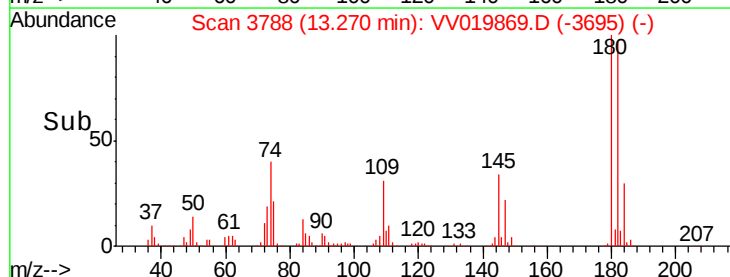
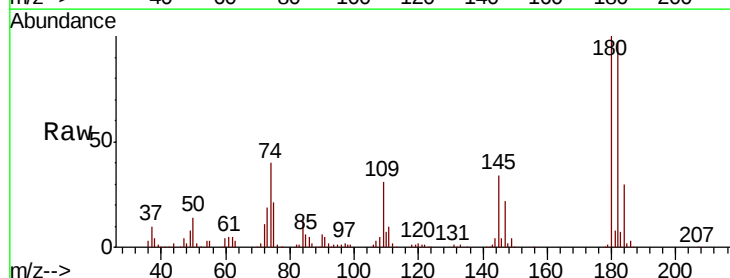
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

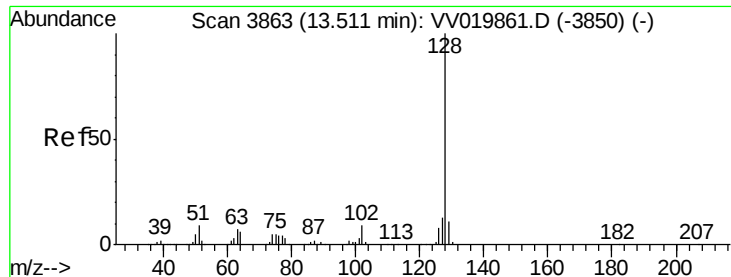
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.9	113.9
184	30.5	23.5	35.3
145	33.4	26.2	39.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.022 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019869.D
 Acq: 29 Dec 2020 18:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.9	113.9
145	34.0	26.6	39.8





#71

Naphthalene

Concen: 5.118 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

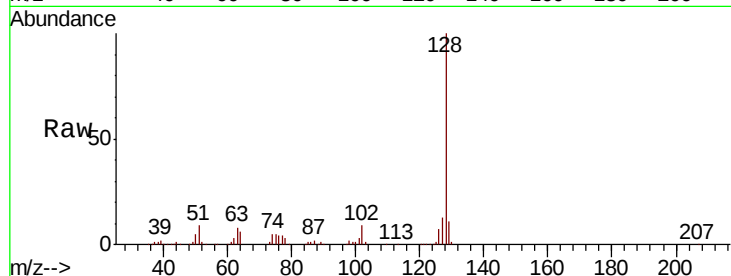
Tot Ion:128 Resp: 186478

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

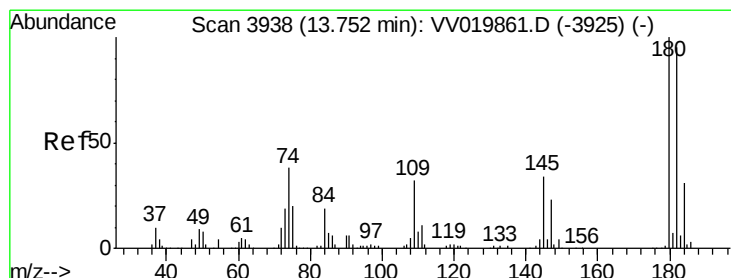
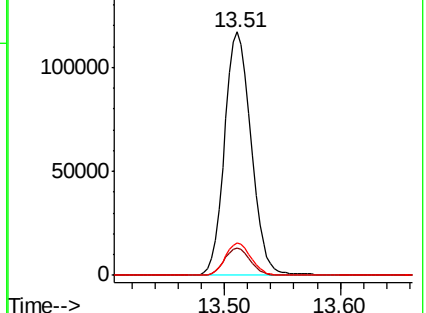
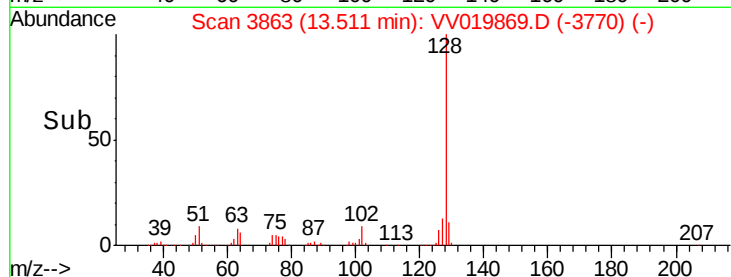
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 5.153 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019869.D

Acq: 29 Dec 2020 18:05

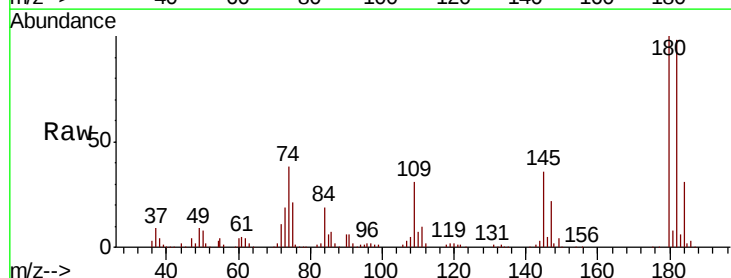
Tgt Ion:180 Resp: 105631

Ion Ratio Lower Upper

180 100

182 96.9 74.6 112.0

145 36.2 28.8 43.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

