

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019213.D
 Acq On : 02 Nov 2020 20:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

Quant Time: Nov 03 05:16:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:57:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	242685	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	236606	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	127552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93203	49.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.52%
7) Chloroethane-d5	1.58	69	74818	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.96%
11) 1,1-Dichloroethene-d2	2.13	63	178825	51.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.14%
21) 2-Butanone-d5	3.91	46	118305	114.56	ug/L	-0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.56%
24) Chloroform-d	4.38	84	178011	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.58%
26) 1,2-Dichloroethane-d4	5.06	65	124538	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
32) Benzene-d6	5.07	84	329185	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
36) 1,2-Dichloropropane-d6	6.09	67	99030	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.54%
41) Toluene-d8	7.34	98	307313	50.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.98%
43) trans-1,3-Dichloropropene-	7.64	79	57275	51.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.72%
47) 2-Hexanone-d5	8.11	63	84595	111.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.71%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	134551	51.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.54%
66) 1,2-Dichlorobenzene-d4	11.65	152	128680	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	75777	50.967	ug/L 100
3) Chloromethane	1.25	50	82285	53.151	ug/L 100
5) Vinyl chloride	1.32	62	86320	53.566	ug/L 98
6) Bromomethane	1.53	94	60498	55.861	ug/L 98
8) Chloroethane	1.60	64	56452	53.563	ug/L 100
9) Trichlorofluoromethane	1.77	101	138497	51.915	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	67068	52.909	ug/L 99
12) 1,1-Dichloroethene	2.14	96	70674	53.944	ug/L 97
13) Acetone	2.19	43	82896	105.553	ug/L 99
14) Carbon disulfide	2.31	76	201595	53.587	ug/L 100
15) Methyl Acetate	2.45	43	82261	54.058	ug/L 99
16) Methylene chloride	2.52	84	82081	52.704	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	76324	53.701	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	274473	54.939	ug/L 99
19) 1,1-Dichloroethane	3.21	63	148162	53.205	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	85326	54.325	ug/L 97
22) 2-Butanone	3.99	43	111469	111.816	ug/L 97

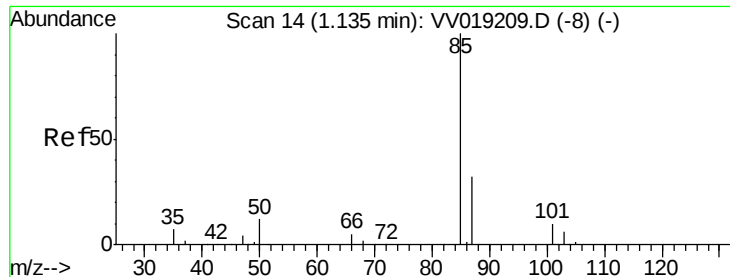
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019213.D
 Acq On : 02 Nov 2020 20:57
 Operator : SY/MD
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	46606	53.891	ug/L	98
25) Chloroform	4.40	83	159182	53.318	ug/L	99
27) 1,2-Dichloroethane	5.15	62	135361	53.338	ug/L	99
29) Cyclohexane	4.70	56	104051	51.388	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	144364	52.609	ug/L	99
31) Carbon tetrachloride	4.86	117	122255	51.598	ug/L	100
33) Benzene	5.13	78	316427	53.813	ug/L	100
34) Trichloroethene	5.94	95	84010	52.573	ug/L	100
35) Methylcyclohexane	6.15	83	98218	50.781	ug/L	99
37) 1,2-Dichloropropane	6.20	63	81600	51.998	ug/L	100
38) Bromodichloromethane	6.53	83	120825	53.500	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	140030	55.767	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	233741	110.873	ug/L	100
42) Toluene	7.41	91	339924	53.482	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	141814	55.114	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	81792	52.732	ug/L	98
46) Tetrachloroethene	8.00	164	67212	51.549	ug/L	98
48) 2-Hexanone	8.16	43	179701	112.747	ug/L	99
49) Dibromochloromethane	8.27	129	99398	53.734	ug/L	99
50) 1,2-Dibromoethane	8.37	107	88788	55.225	ug/L	97
51) Chlorobenzene	8.90	112	223388	52.543	ug/L	99
52) Ethylbenzene	9.03	91	367449	52.401	ug/L	100
53) m,p-Xylene	9.16	106	138223	52.651	ug/L	99
54) o-Xylene	9.56	106	137570	53.163	ug/L	96
55) Styrene	9.58	104	248050	53.851	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	125595	53.522	ug/L	99
59) Bromoform	9.75	173	77863	55.002	ug/L	100
60) Isopropylbenzene	9.95	105	356798	53.372	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	106574	53.781	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	303731	54.550	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	296080	54.345	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	185983	53.187	ug/L	100
65) 1,4-Dichlorobenzene	11.29	146	190112	52.551	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	189468	52.962	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	32570	56.339	ug/L	99
69) 1,3,5-Trichlorobenzene	12.67	180	131077	52.226	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	129850	54.985	ug/L	100
71) Naphthalene	13.52	128	392691	58.960	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	130580	55.779	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.967 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

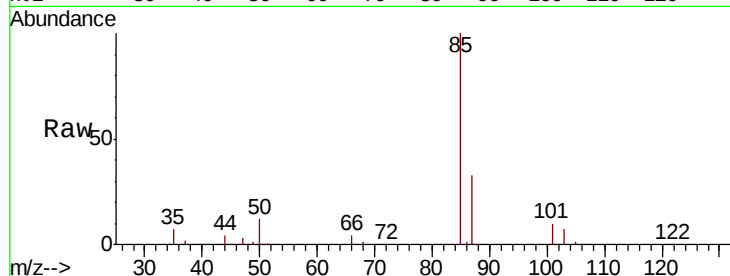
VSTD050309

Tot Ion: 85 Resp: 75777

Ion Ratio Lower Upper

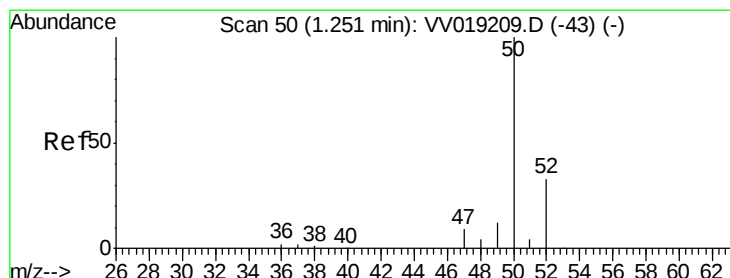
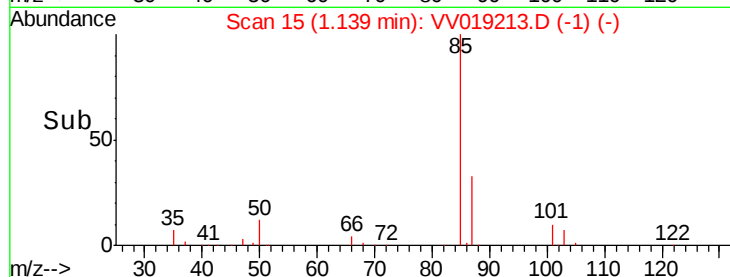
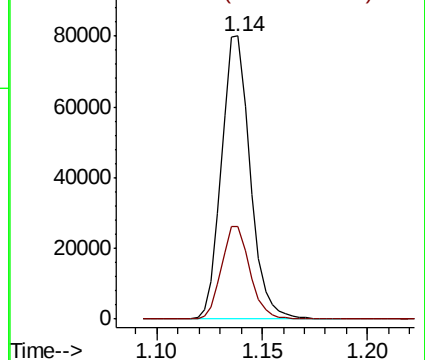
85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 53.151 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019213.D

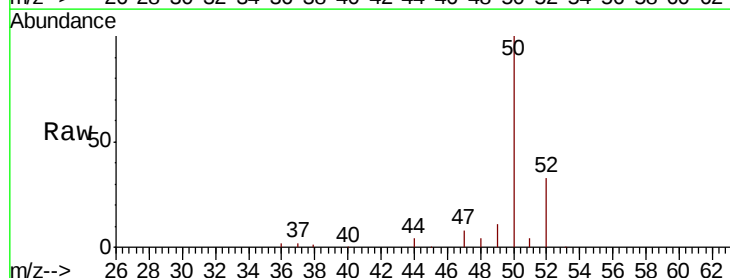
Acq: 02 Nov 2020 20:57

Tgt Ion: 50 Resp: 82285

Ion Ratio Lower Upper

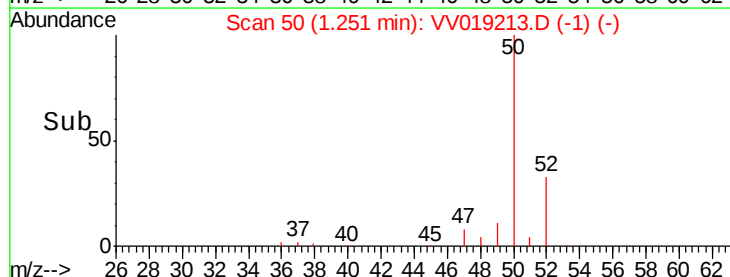
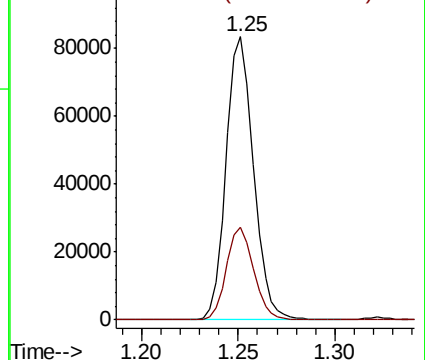
50 100

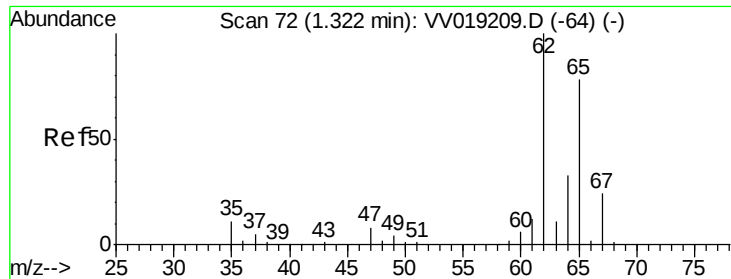
52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 53.566 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

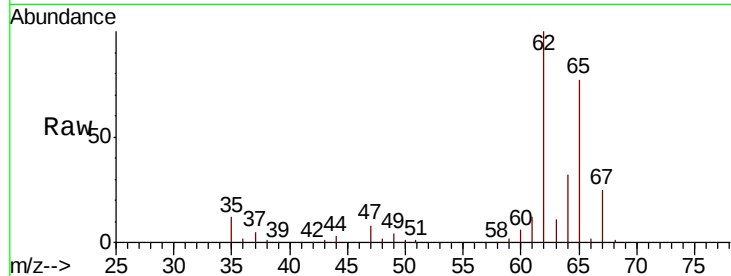
VSTD050309

Tot Ion: 62 Resp: 86320

Ion Ratio Lower Upper

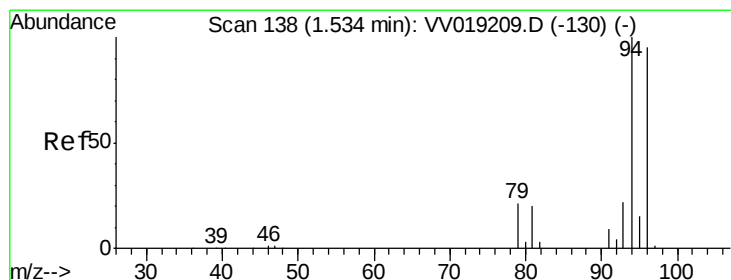
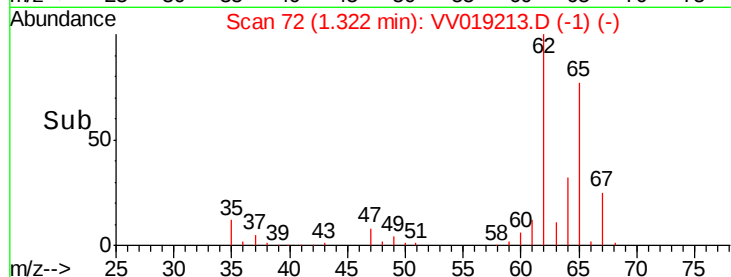
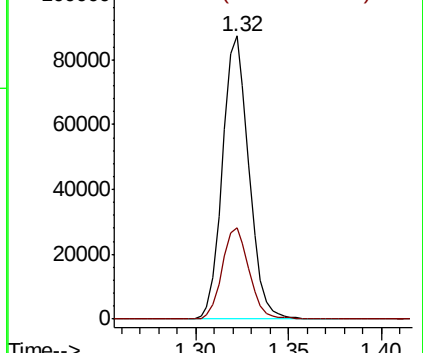
62 100

64 32.1 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 55.861 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019213.D

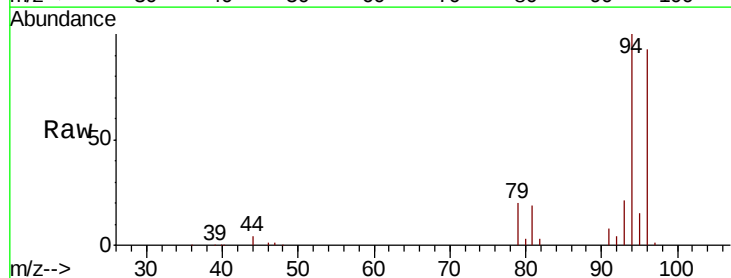
Acq: 02 Nov 2020 20:57

Tgt Ion: 94 Resp: 60498

Ion Ratio Lower Upper

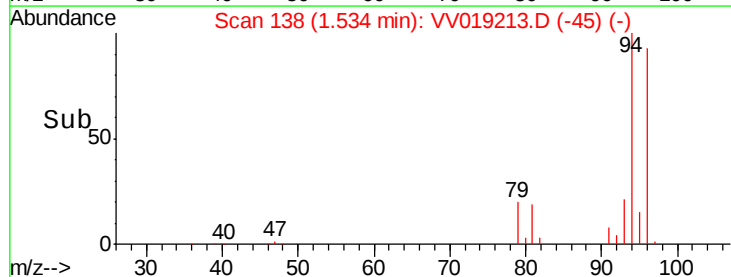
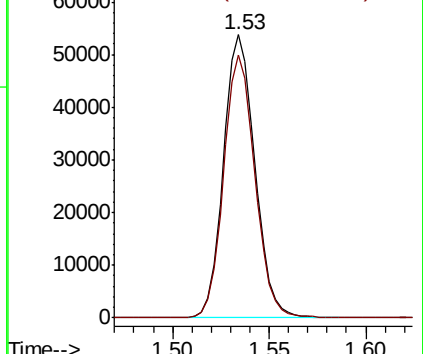
94 100

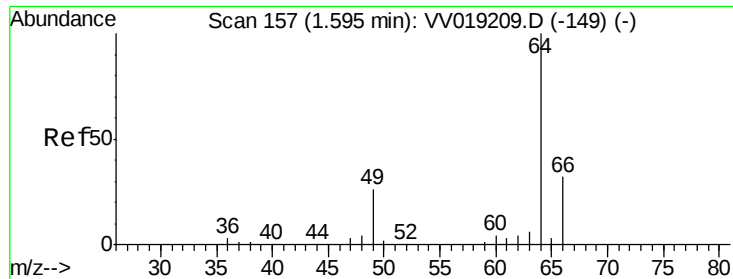
96 92.8 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

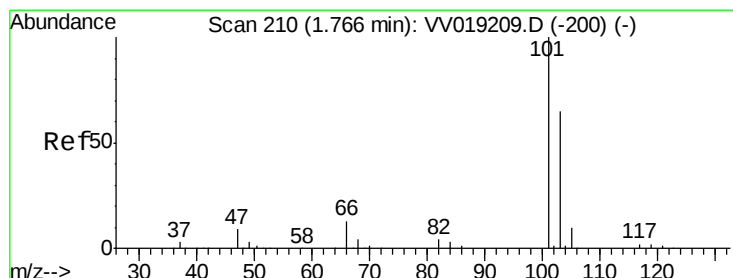
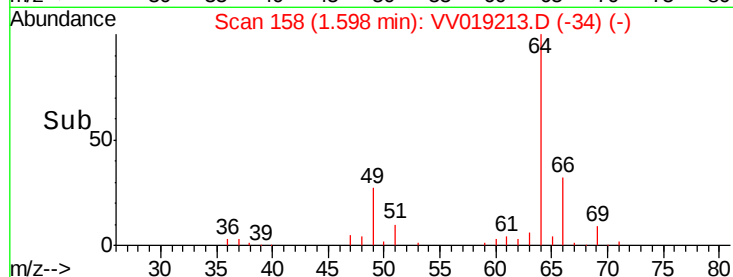
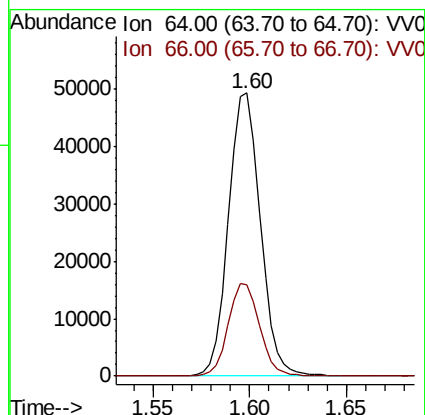
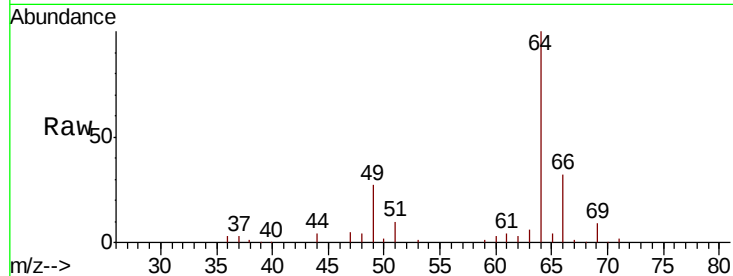




#8
Chloroethane
Concen: 53.563 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

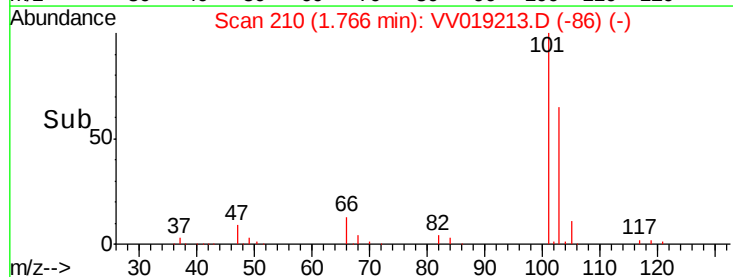
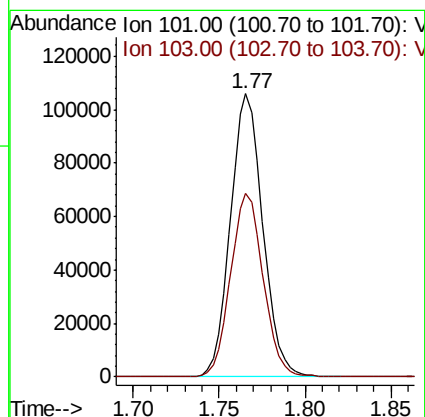
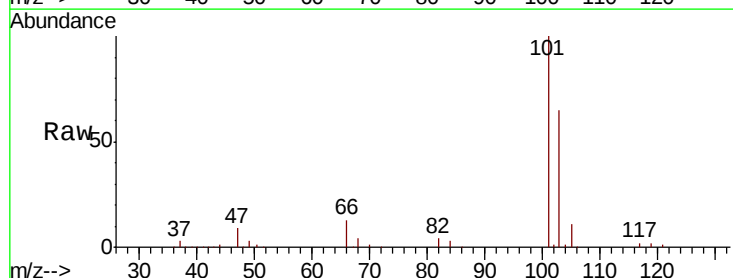
Instrument :
MSVOA_V
ClientSampled :
VSTD050309

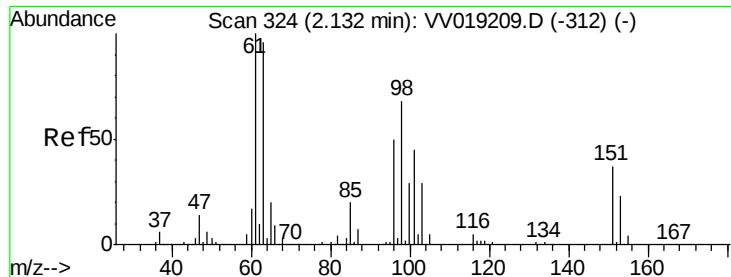
Tot Ion: 64 Resp: 56452
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 51.915 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Tgt Ion: 101 Resp: 138497
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5





#10

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

Concen: 52.909 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD050309

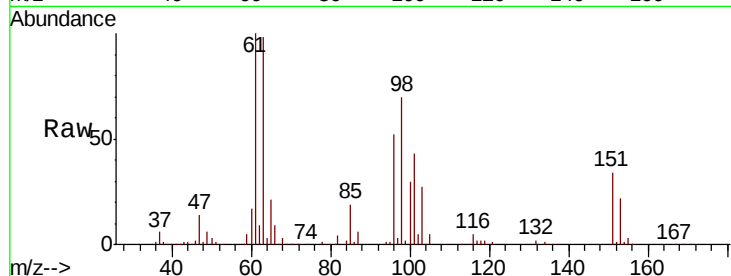
Tot Ion:101 Resp: 67068

Ion Ratio Lower Upper

101 100

85 43.3 35.6 53.4

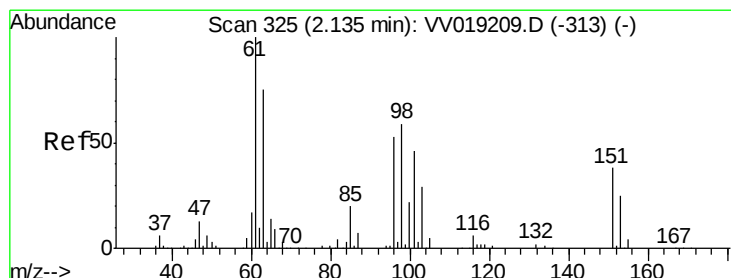
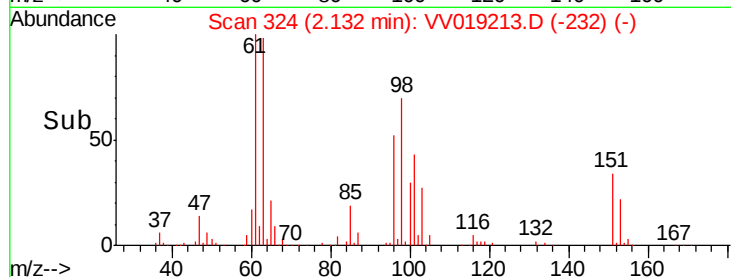
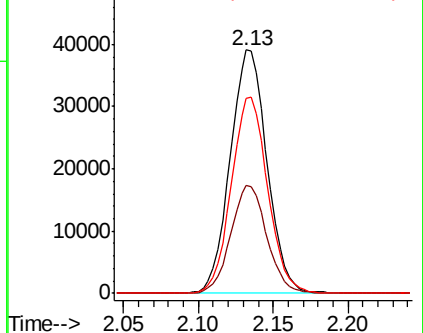
151 79.4 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.944 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

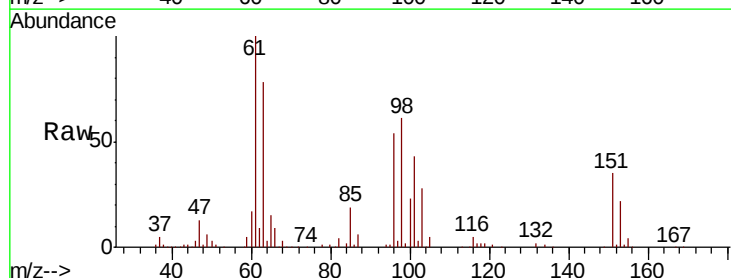
Tgt Ion: 96 Resp: 70674

Ion Ratio Lower Upper

96 100

61 185.1 133.6 248.0

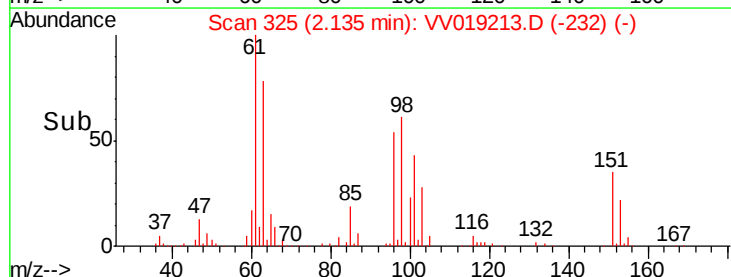
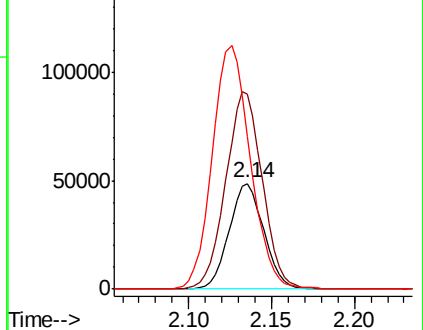
63 144.8 103.0 191.2

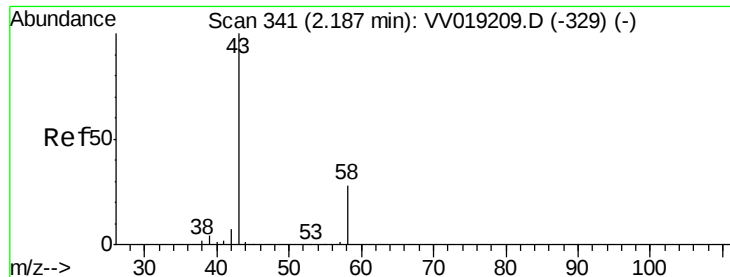


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 105.553 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

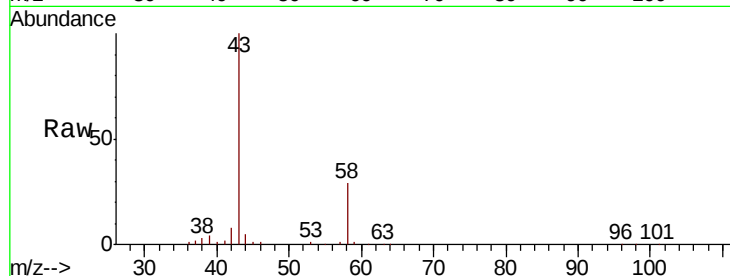
VSTD050309

Tot Ion: 43 Resp: 82896

Ion Ratio Lower Upper

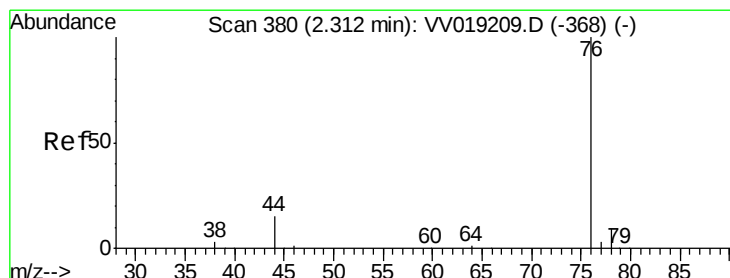
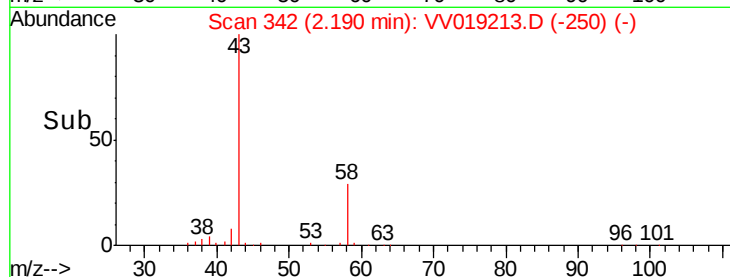
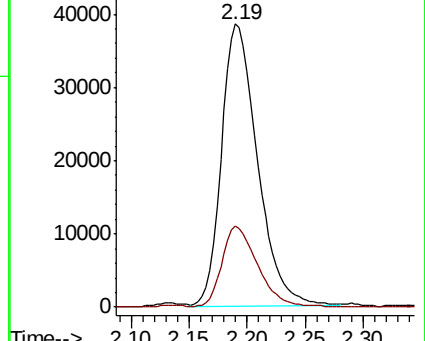
43 100

58 28.6 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019213.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV019213.D (-250) (-)



#14

Carbon disulfide

Concen: 53.587 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019213.D

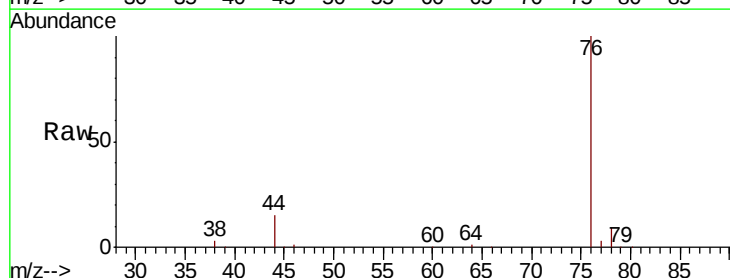
Acq: 02 Nov 2020 20:57

Tgt Ion: 76 Resp: 201595

Ion Ratio Lower Upper

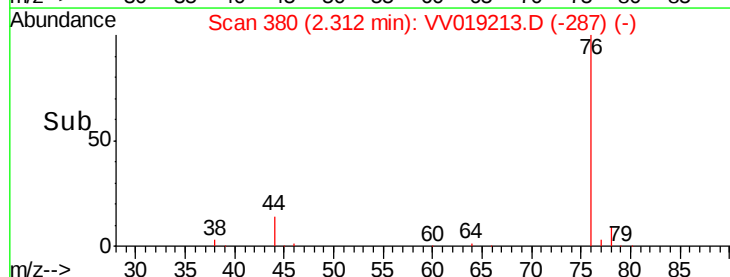
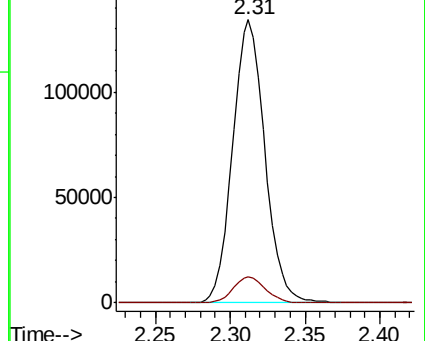
76 100

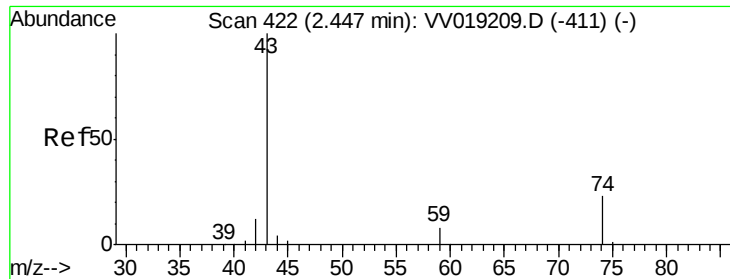
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019213.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV019213.D (-287) (-)

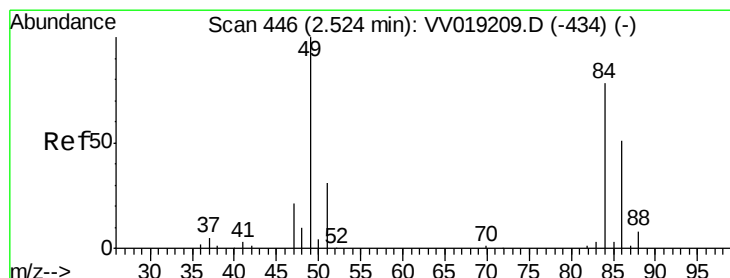
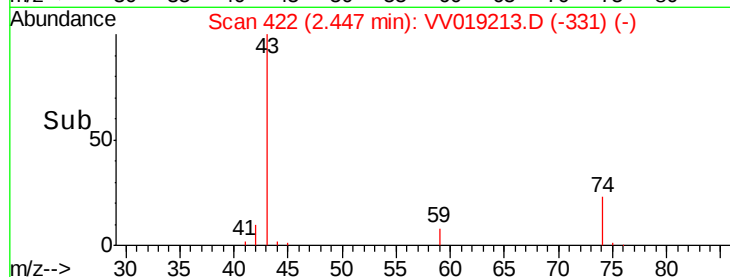
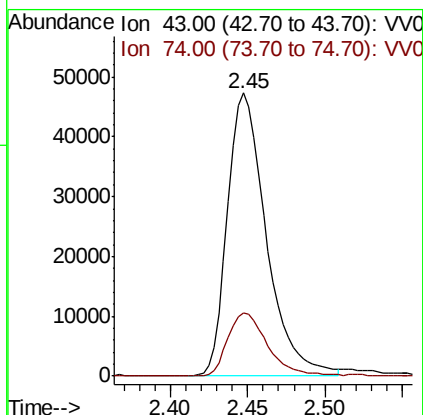
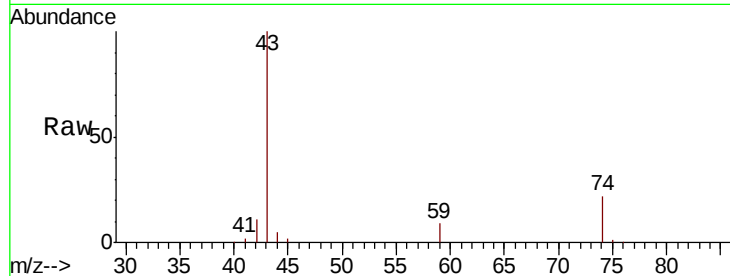




#15
Methvl Acetate
Concen: 54.058 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.01 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

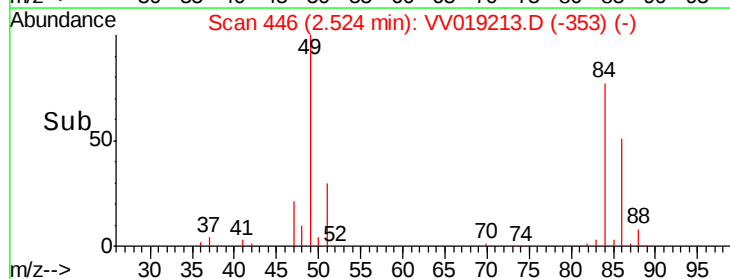
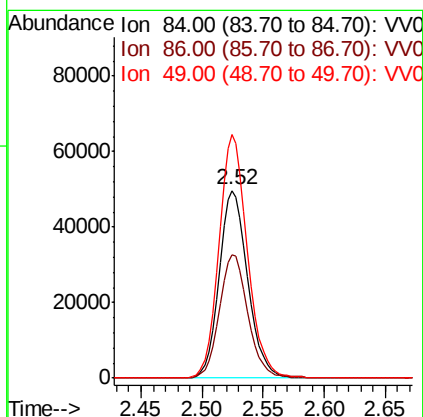
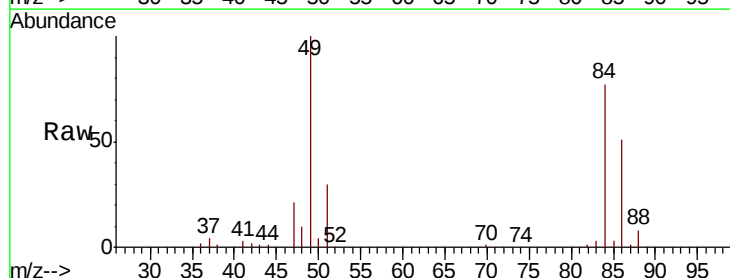
Instrument :
MSVOA_V
ClientSampled :
VSTD050309

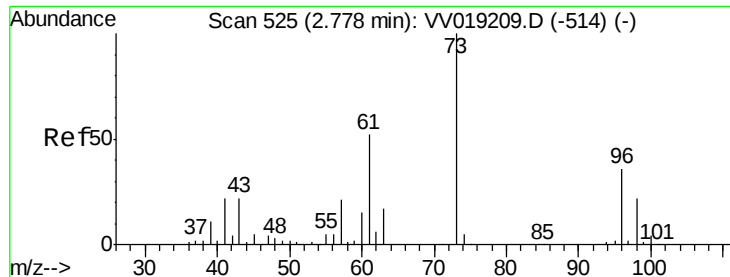
Tot Ion: 43 Resp: 82261
Ion Ratio Lower Upper
43 100
74 23.2 18.8 28.2



#16
Methylene chloride
Concen: 52.704 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Tgt Ion: 84 Resp: 82081
Ion Ratio Lower Upper
84 100
86 65.8 45.6 84.8
49 129.6 89.3 165.9

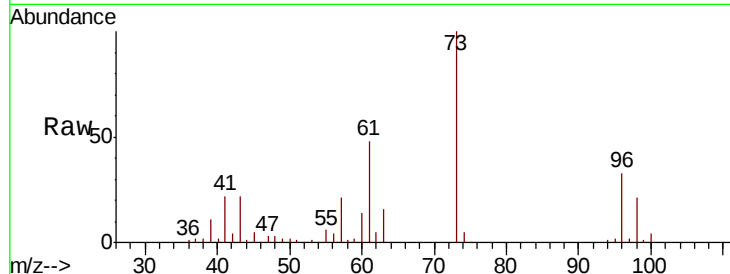




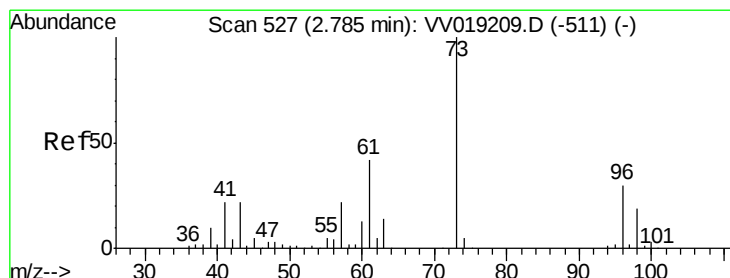
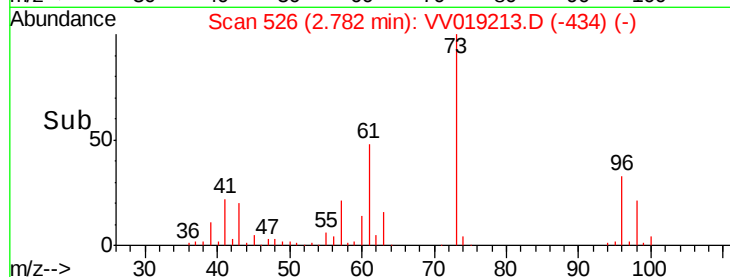
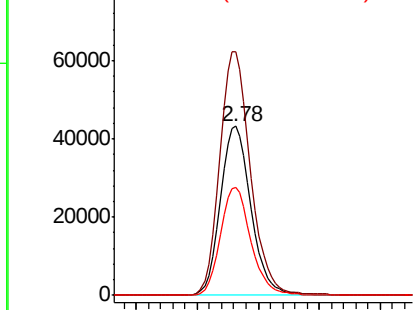
#17
trans-1,2-Dichloroethene
Concen: 53.701 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion: 96 Resp: 76324
Ion Ratio Lower Upper
96 100
61 144.0 100.7 187.1
98 64.3 42.9 79.7

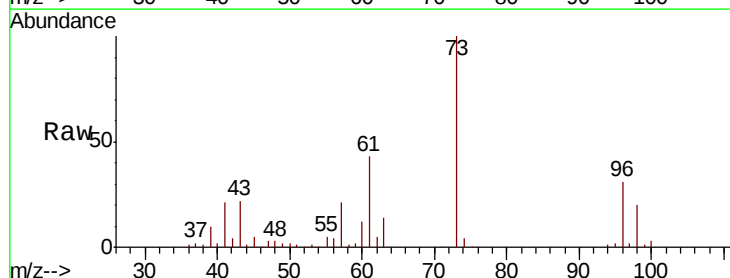


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

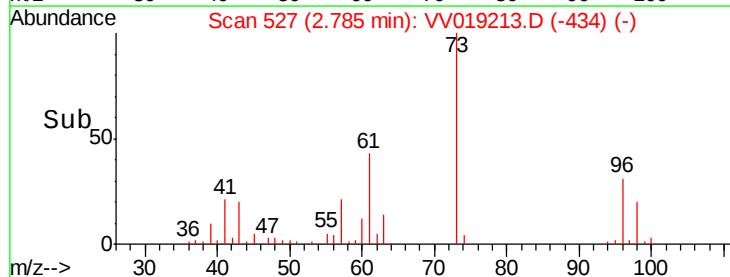
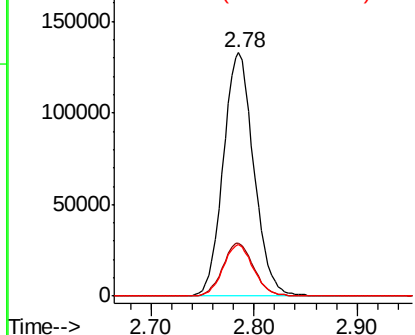


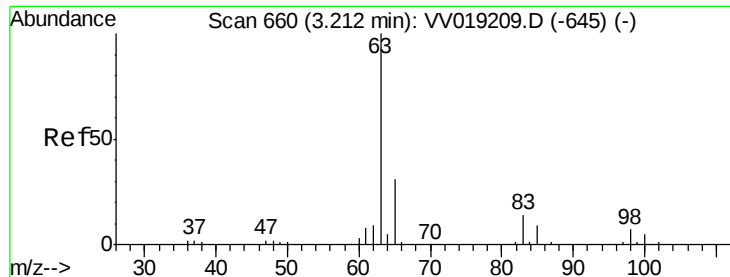
#18
Methyl tert-butyl Ether
Concen: 54.939 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Tgt Ion: 73 Resp: 274473
Ion Ratio Lower Upper
73 100
43 21.8 17.9 26.9
57 21.0 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 53.205 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD050309

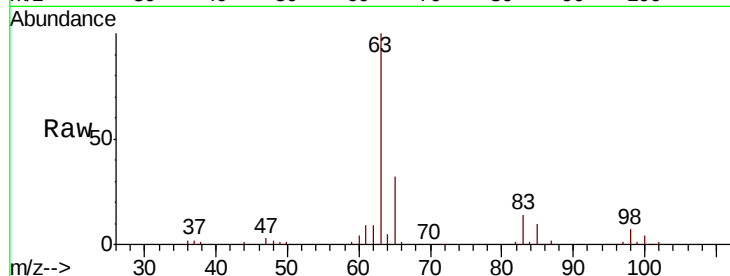
Tot Ion: 63 Resp: 148162

Ion Ratio Lower Upper

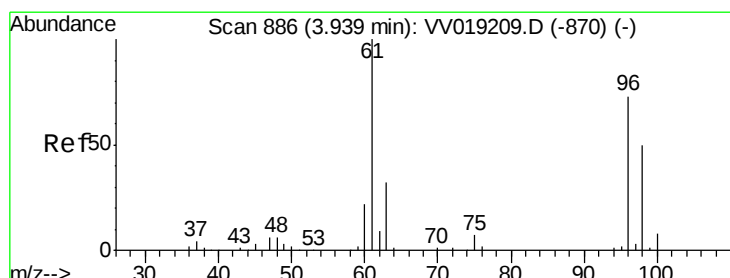
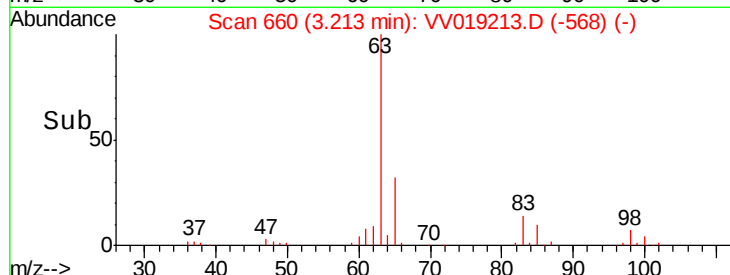
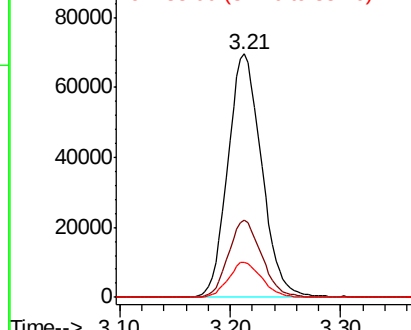
63 100

65 31.6 21.8 40.6

83 14.5 9.5 17.7



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



#20

cis-1,2-Dichloroethene

Concen: 54.325 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

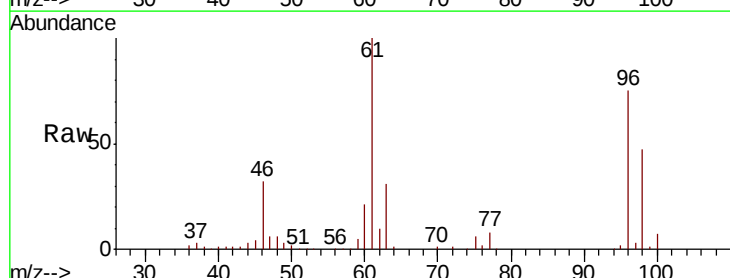
Tgt Ion: 96 Resp: 85326

Ion Ratio Lower Upper

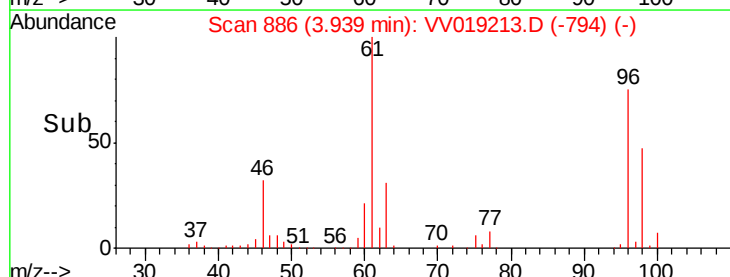
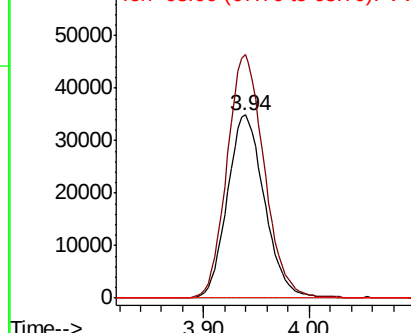
96 100

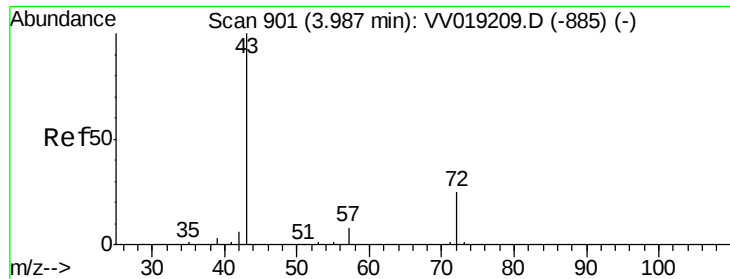
61 133.1 95.6 177.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 111.816 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.03 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

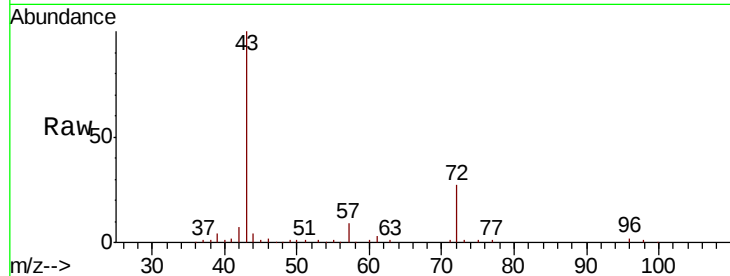
VSTD050309

Tot Ion: 43 Resp: 111469

Ion Ratio Lower Upper

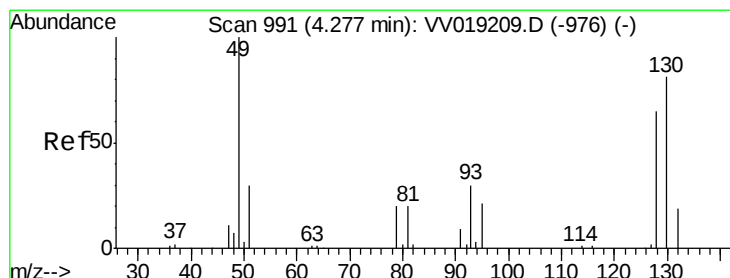
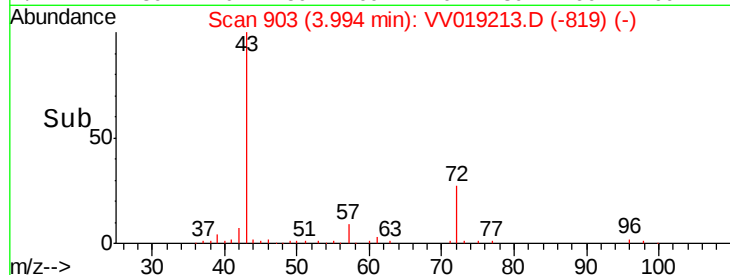
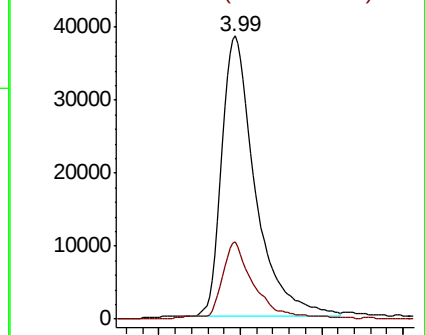
43 100

72 23.7 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV019213.D (-819) (-)

Ion 72.00 (71.70 to 72.70): VV019213.D (-819) (-)



#23

Bromochloromethane

Concen: 53.891 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.01 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Tgt Ion:128 Resp: 46606

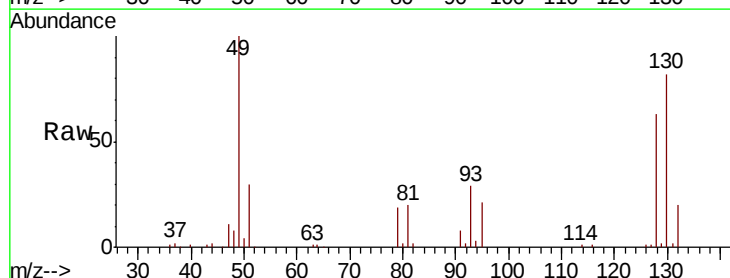
Ion Ratio Lower Upper

128 100

49 158.3 108.8 202.2

130 129.1 88.5 164.3

51 48.1 37.8 56.6

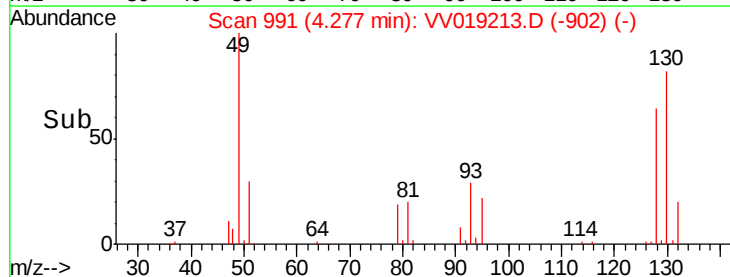
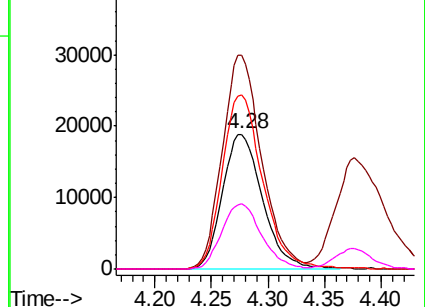


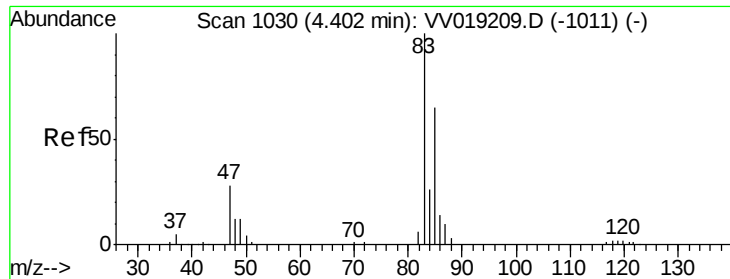
Abundance Ion 128.00 (127.70 to 128.70): VV019213.D (-902) (-)

Ion 49.00 (48.70 to 49.70): VV019213.D (-902) (-)

Ion 130.00 (129.70 to 130.70): VV019213.D (-902) (-)

Ion 51.00 (50.70 to 51.70): VV019213.D (-902) (-)

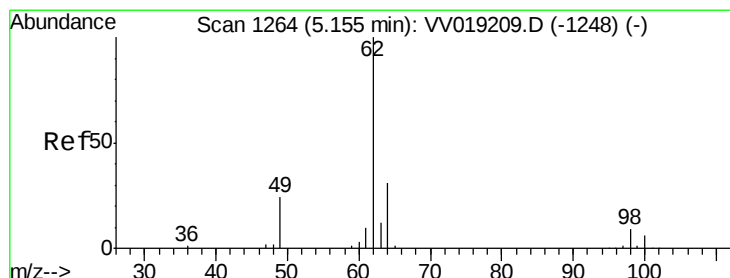
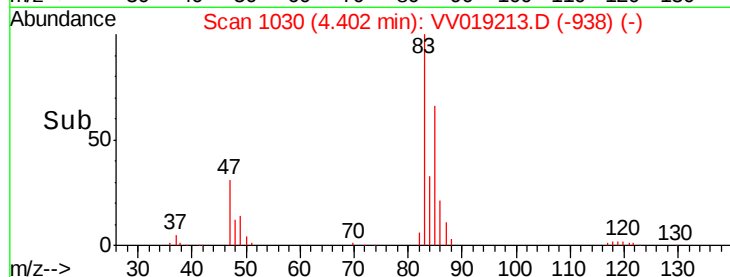
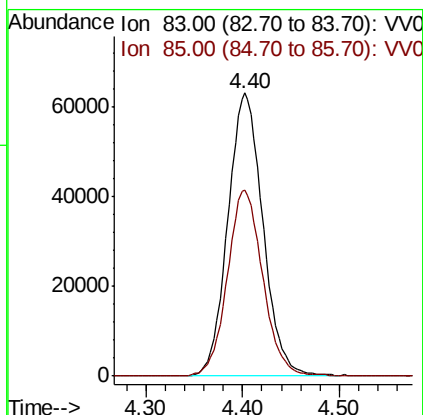
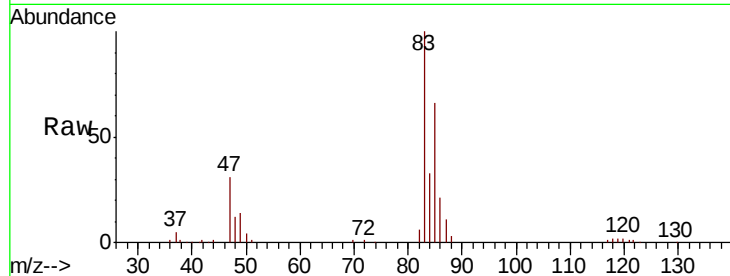




#25
Chloroform
Concen: 53.318 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

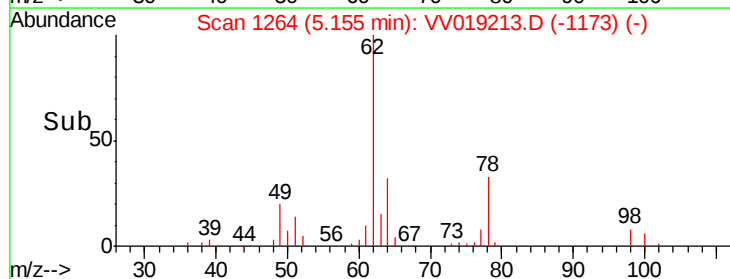
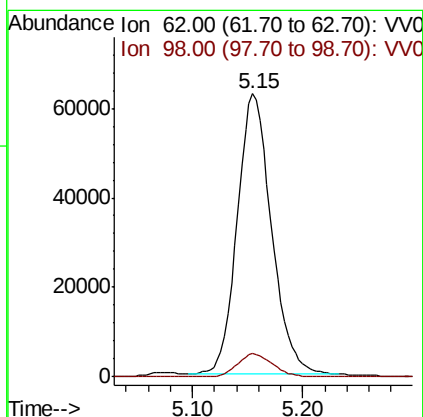
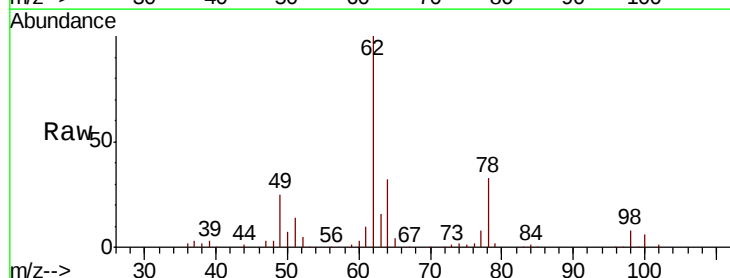
Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

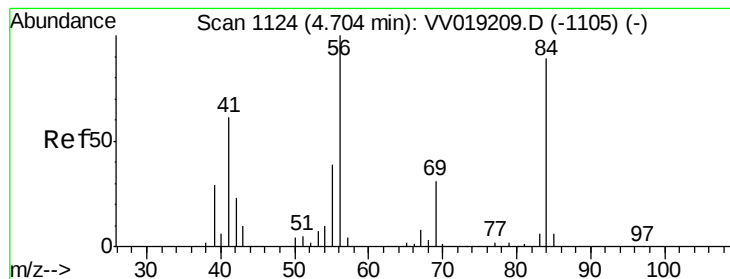
Tot Ion: 83 Resp: 159182
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 53.338 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Tgt Ion: 62 Resp: 135361
Ion Ratio Lower Upper
62 100
98 8.2 6.8 10.2





#29

Cyclohexane

Concen: 51.388 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

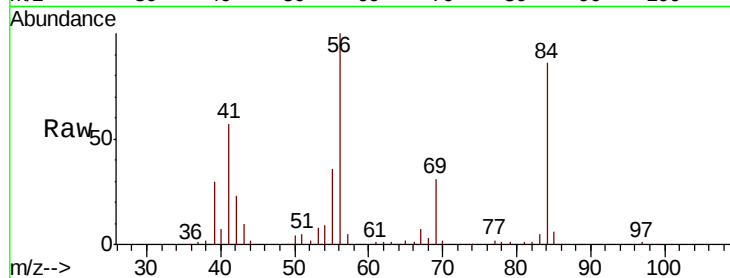
Tot Ion: 56 Resp: 104051

Ion Ratio Lower Upper

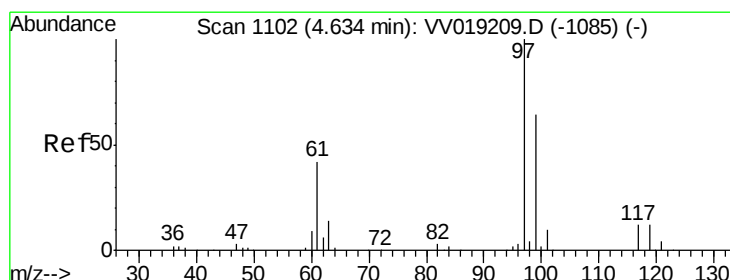
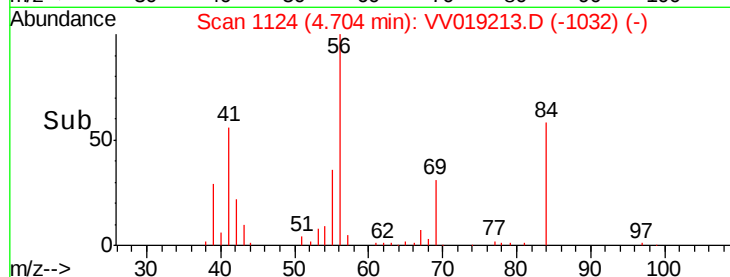
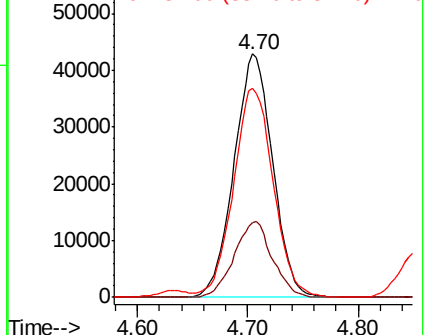
56 100

69 30.8 24.6 36.8

84 88.7 70.5 105.7



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: 52.609 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

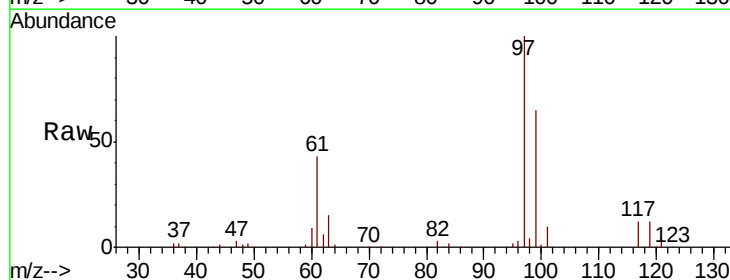
Tgt Ion: 97 Resp: 144364

Ion Ratio Lower Upper

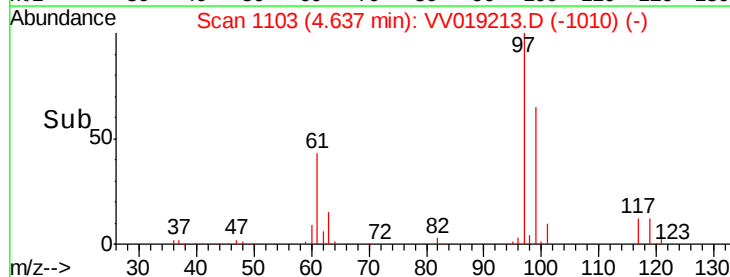
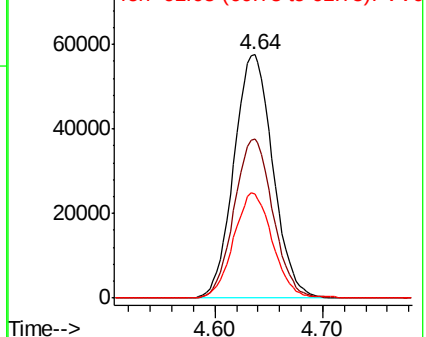
97 100

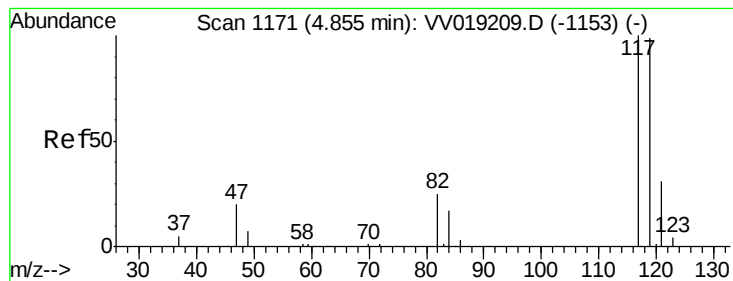
99 65.0 52.0 78.0

61 43.2 35.3 52.9



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: 51.598 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

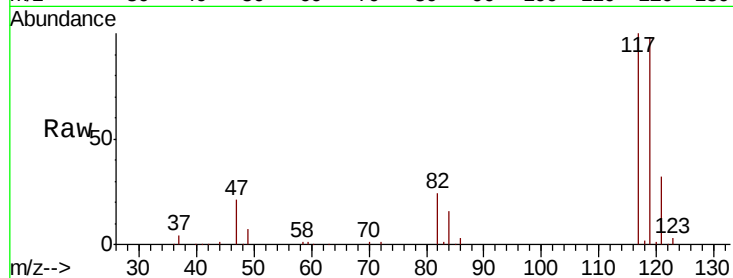
VSTD050309

Tot Ion:117 Resp: 122255

Ion Ratio Lower Upper

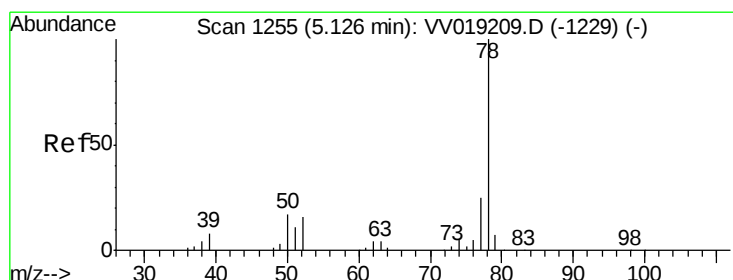
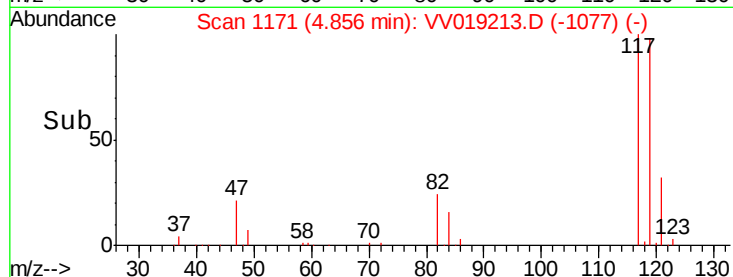
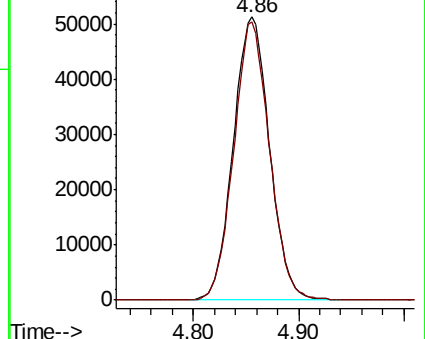
117 100

119 96.9 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.813 ug/L

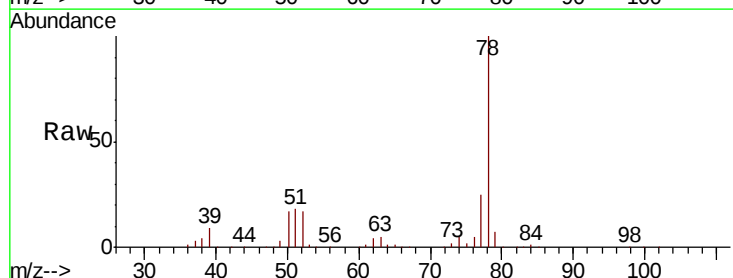
RT: 5.13 min Scan# 1255

Delta R.T. -0.01 min

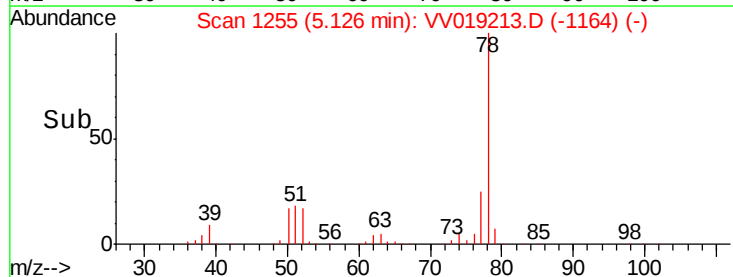
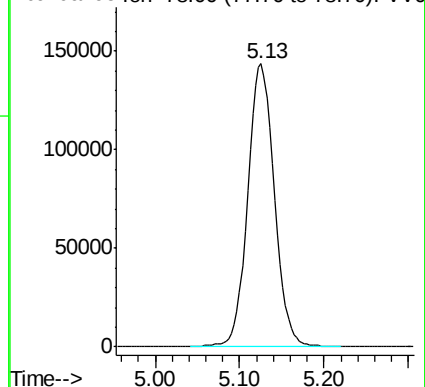
Lab File: VV019213.D

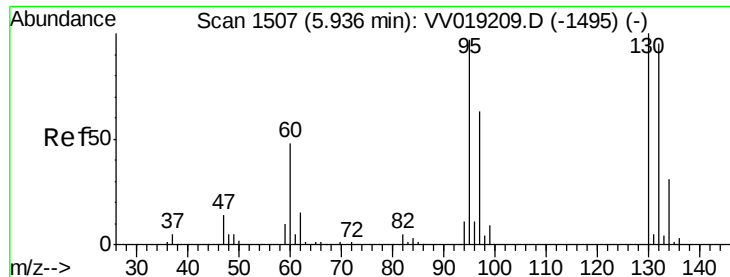
Acq: 02 Nov 2020 20:57

Tgt Ion: 78 Resp: 316427



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 52.573 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD050309

Tot Ion: 95 Resp: 84010

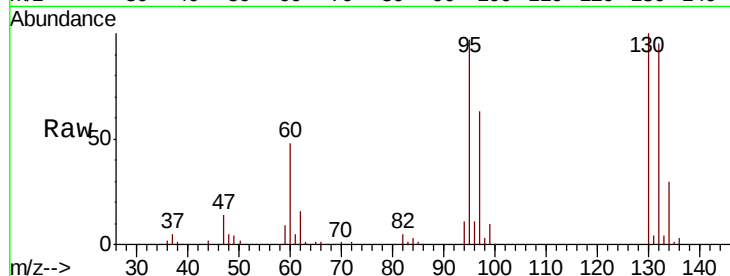
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.4

132 97.8 68.5 127.3

130 102.7 72.0 133.6

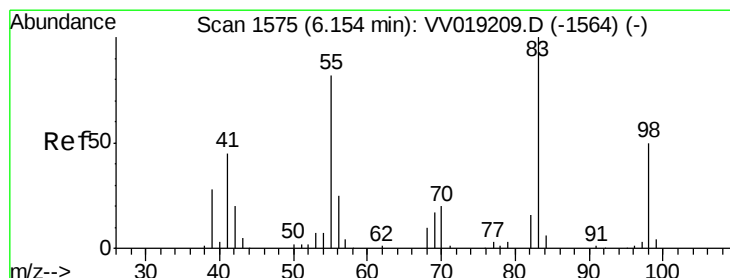
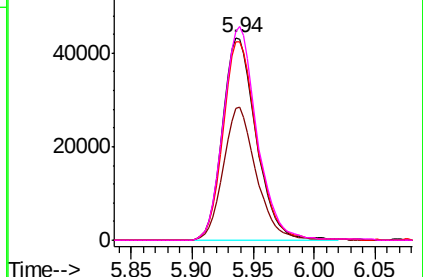
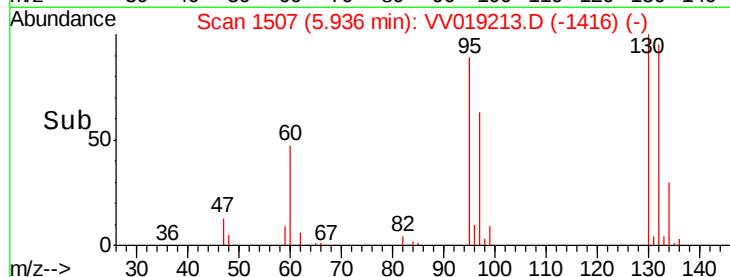


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 50.781 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

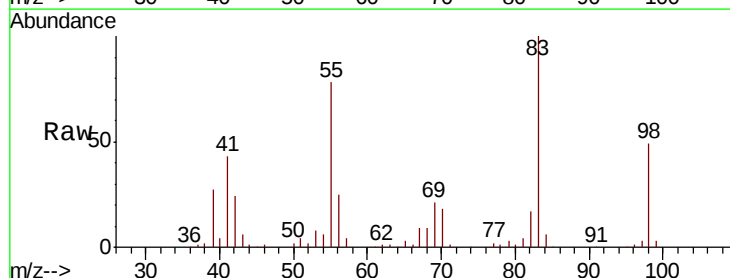
Tgt Ion: 83 Resp: 98218

Ion Ratio Lower Upper

83 100

55 79.1 62.8 94.2

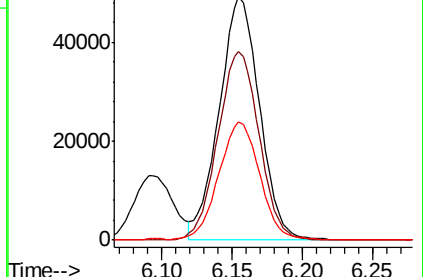
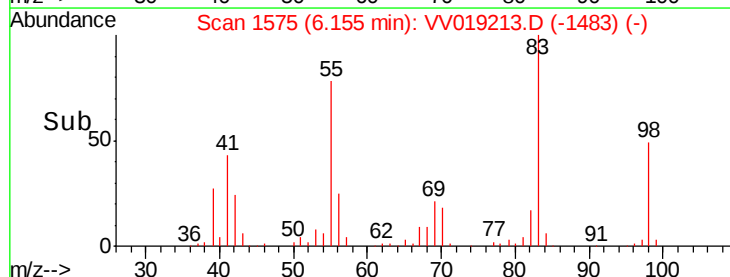
98 49.5 38.6 58.0

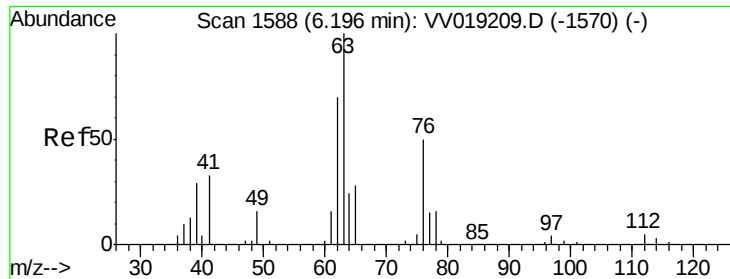


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

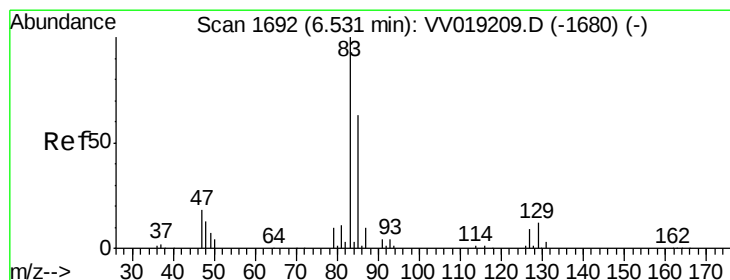
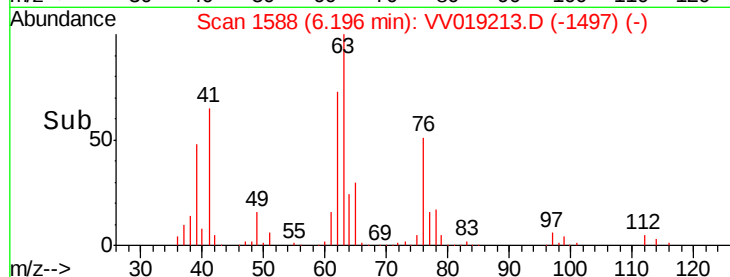
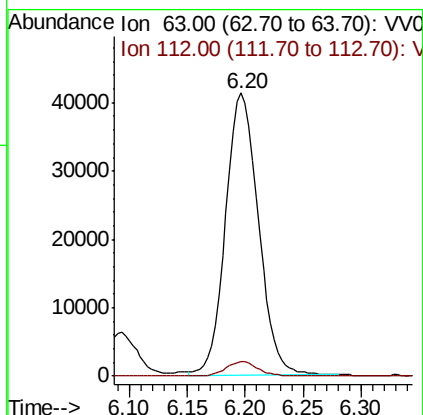
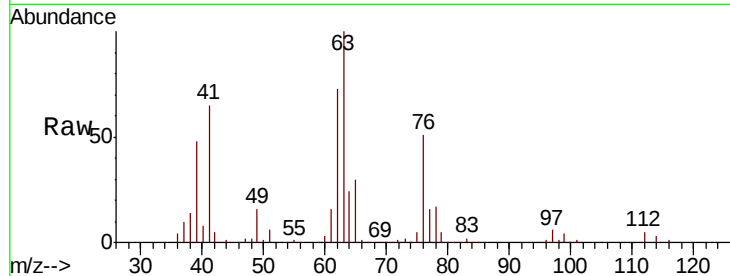




#37
 1,2-Dichloropropane
 Concen: 51.998 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

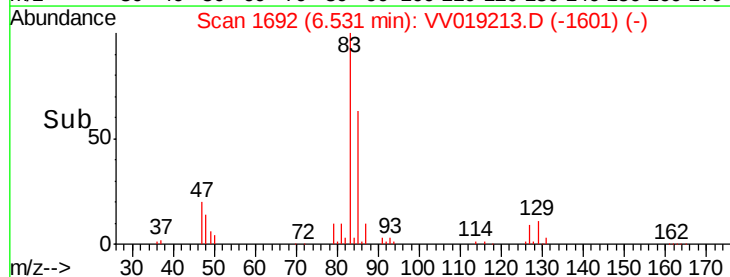
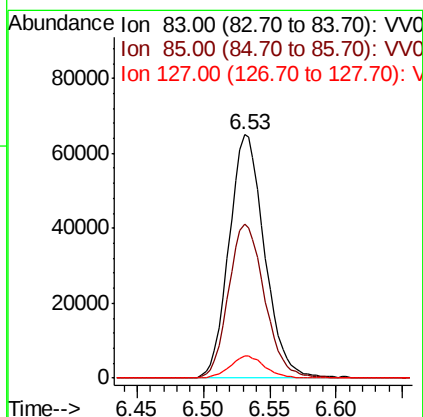
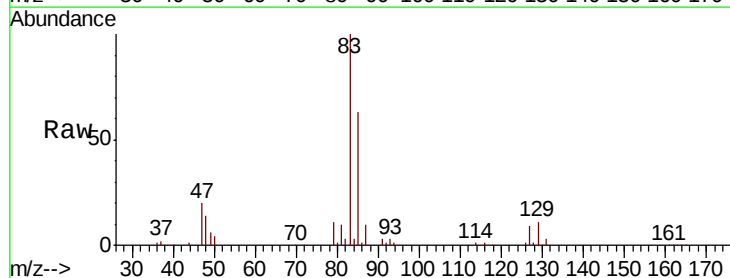
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

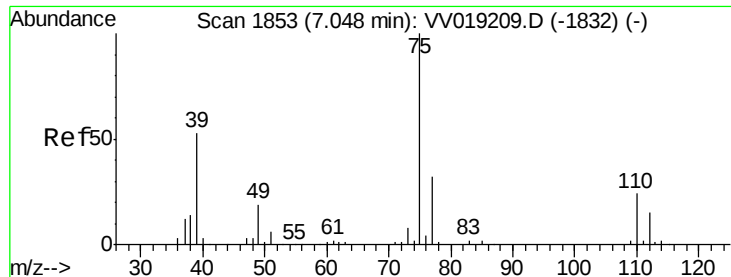
Tot Ion: 63 Resp: 81600
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.2



#38
 Bromodichloromethane
 Concen: 53.500 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

Tgt Ion: 83 Resp: 120825
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.0 81.8
 127 8.9 7.3 10.9

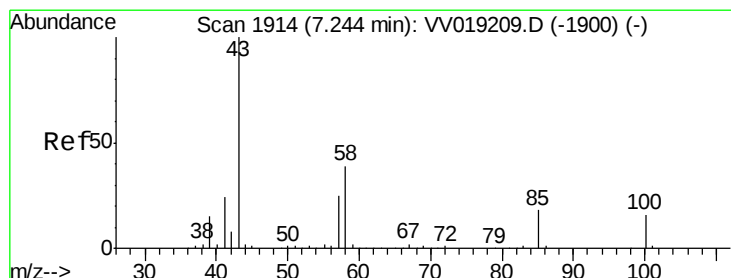
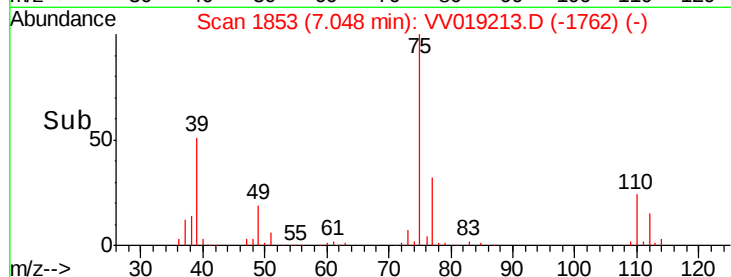
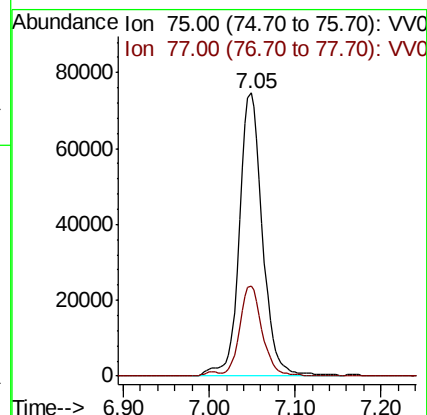
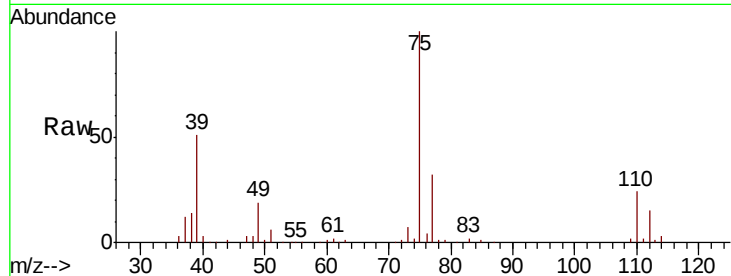




#39
 cis-1,3-Dichloropropene
 Concen: 55.767 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

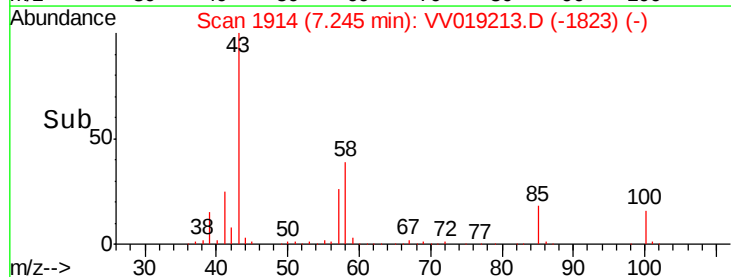
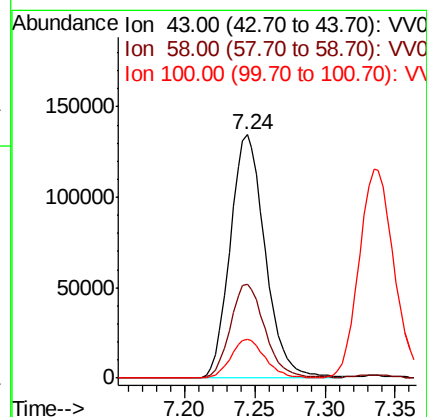
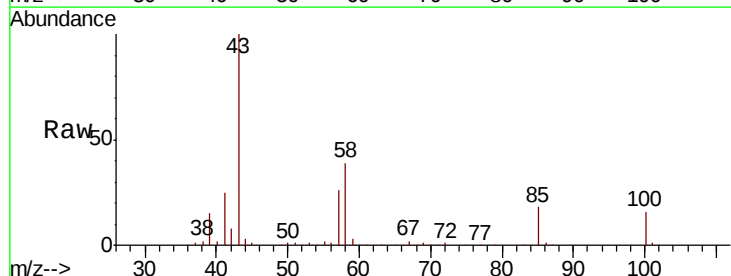
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

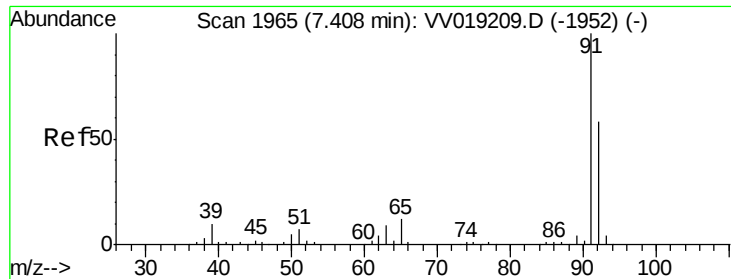
Tot Ion: 75 Resp: 140030
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 110.873 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

Tgt Ion: 43 Resp: 233741
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.5 45.7
 100 15.7 12.7 19.1





#42

Toluene

Concen: 53.482 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

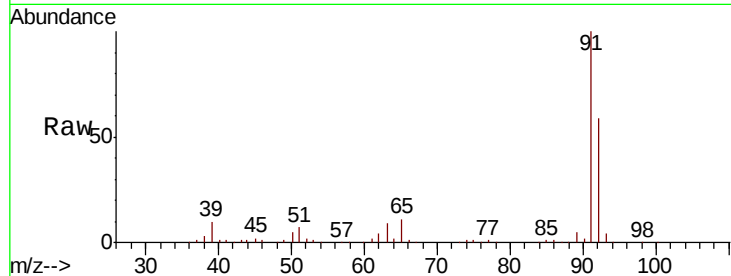
Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion: 91 Resp: 339924

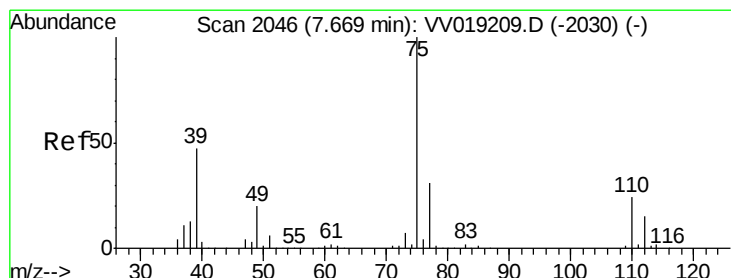
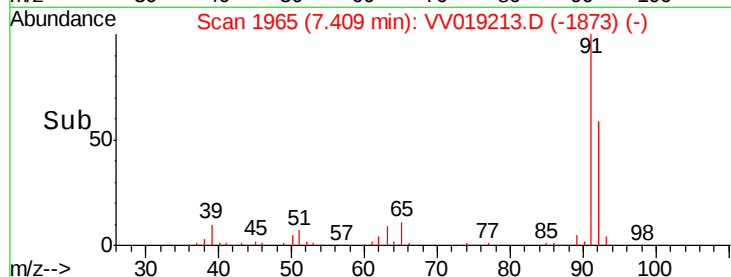
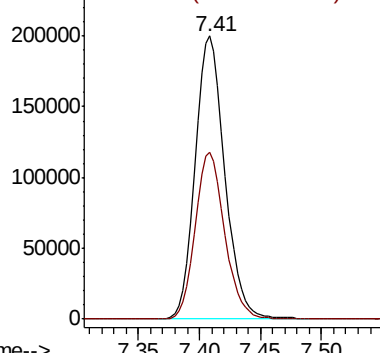
Ion Ratio Lower Upper

91 100

92 59.1 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 55.114 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.01 min

Lab File: VV019213.D

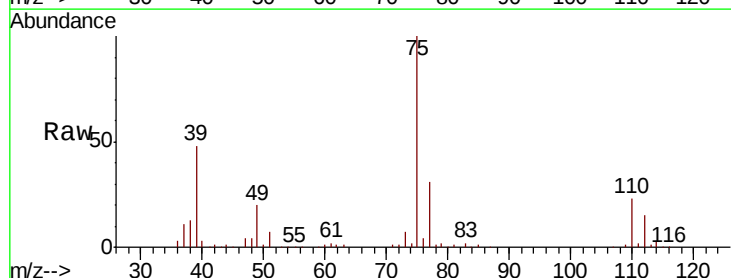
Acq: 02 Nov 2020 20:57

Tgt Ion: 75 Resp: 141814

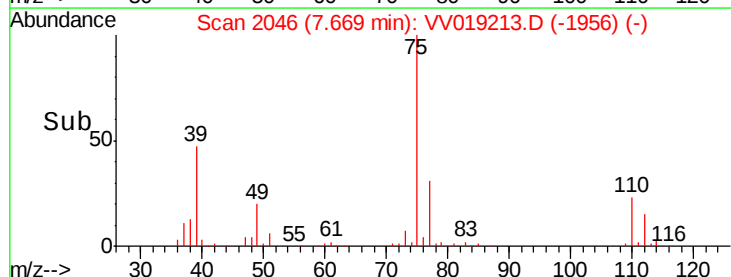
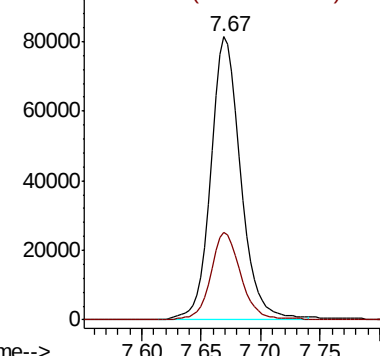
Ion Ratio Lower Upper

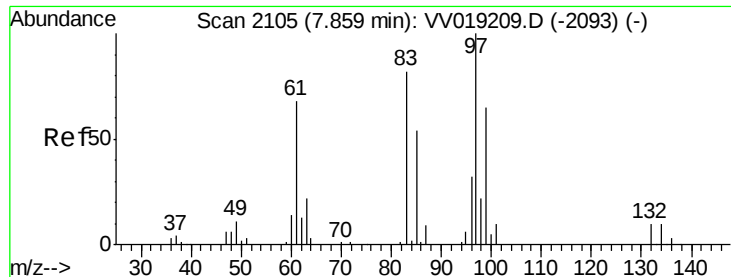
75 100

77 31.1 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

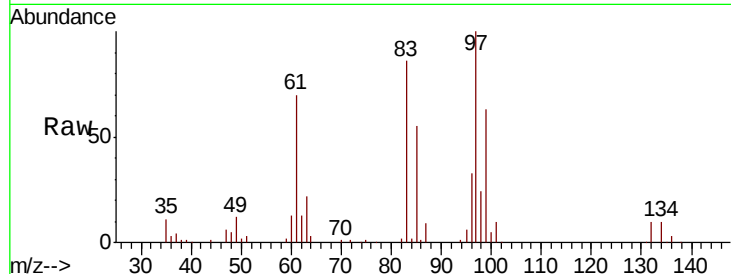




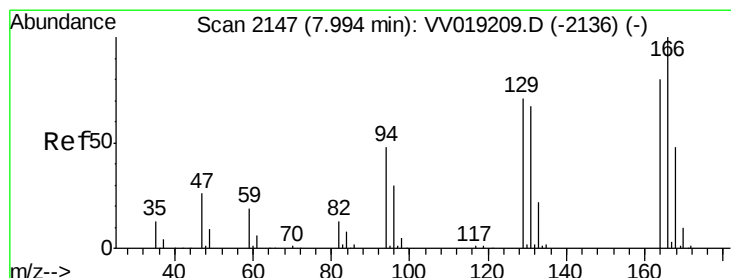
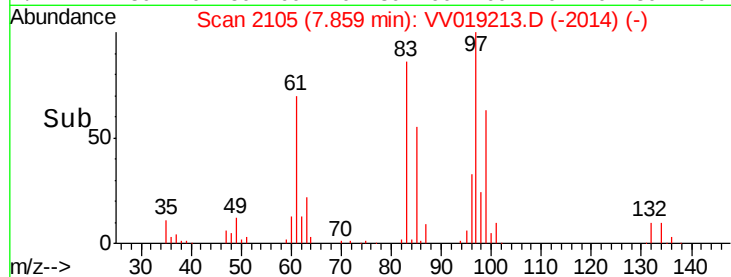
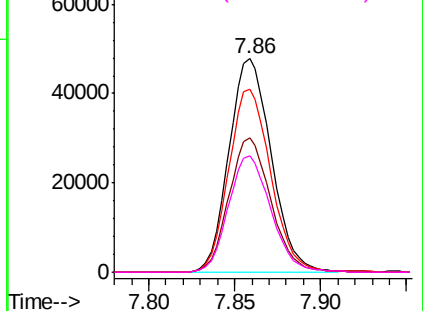
#45
1,1,2-Trichloroethane
Concen: 52.732 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.01 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion:	97	Resp:	81792
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.1	83.9
83	85.6	57.6	107.0
85	54.7	37.8	70.2

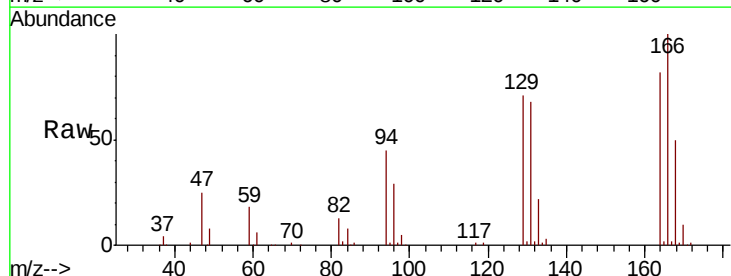


Abundance Ion 97.00 (96.70 to 97.70): VV019213.D (-2055) (-)

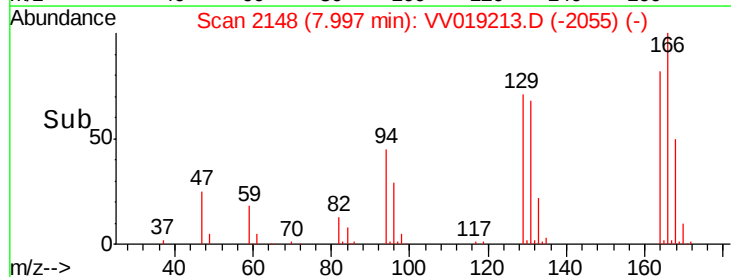
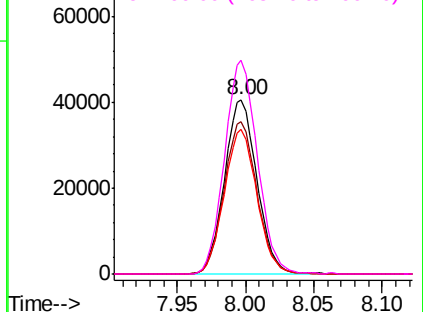


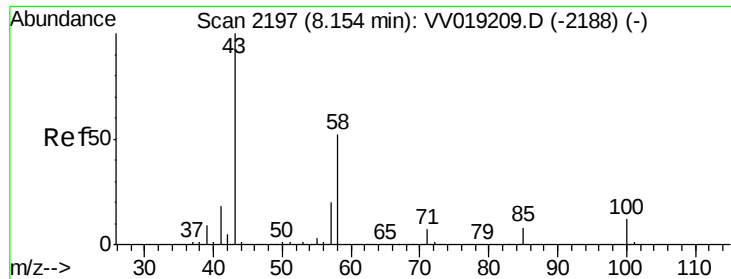
#46
Tetrachloroethene
Concen: 51.549 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Tgt Ion:	164	Resp:	67212
Ion	Ratio	Lower	Upper
164	100		
129	87.1	62.6	116.3
131	82.8	59.0	109.6
166	122.4	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV019213.D (-2055) (-)

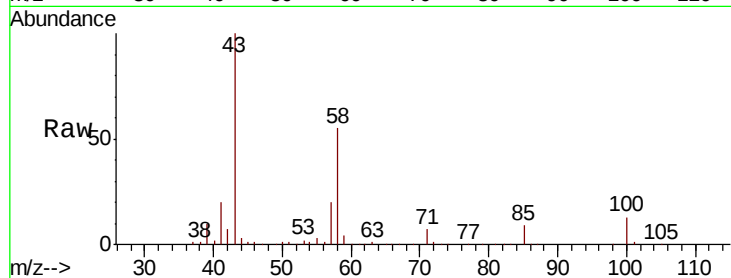




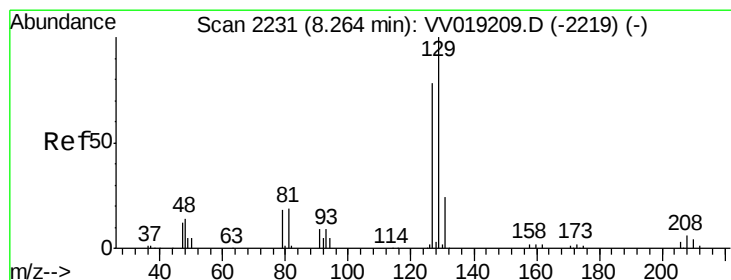
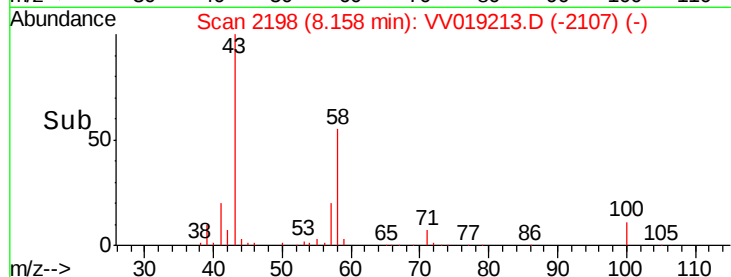
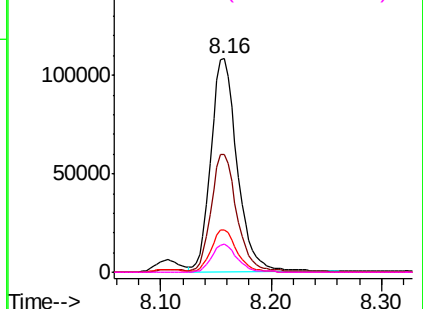
#48
2-Hexanone
Concen: 112.747 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.01 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion: 43 Resp: 179701
Ion Ratio Lower Upper
43 100
58 53.8 42.6 63.8
57 19.1 15.8 23.8
100 12.6 10.4 15.6

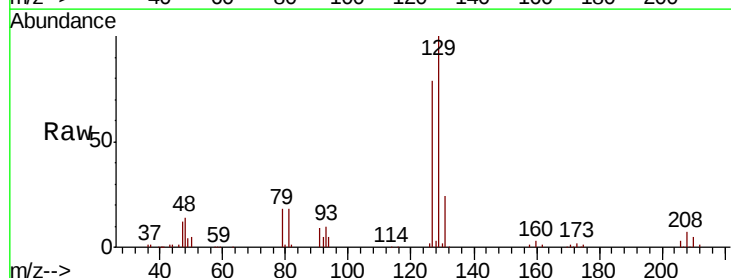


Abundance Ion 43.00 (42.70 to 43.70): VV019213.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019213.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019213.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019213.D (-2188) (-)

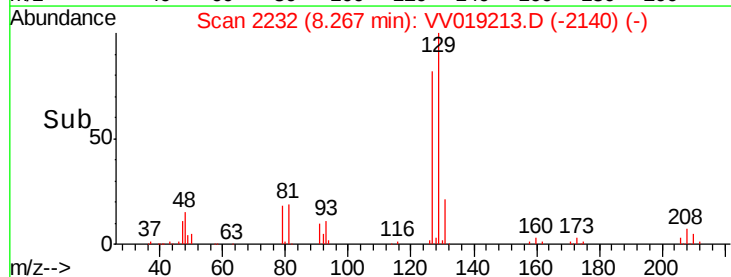
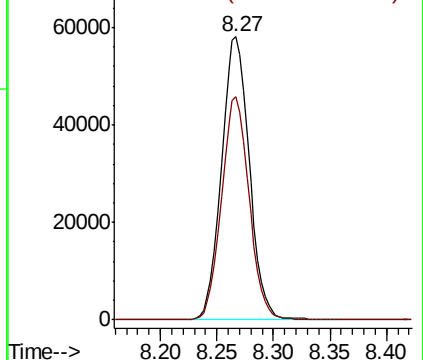


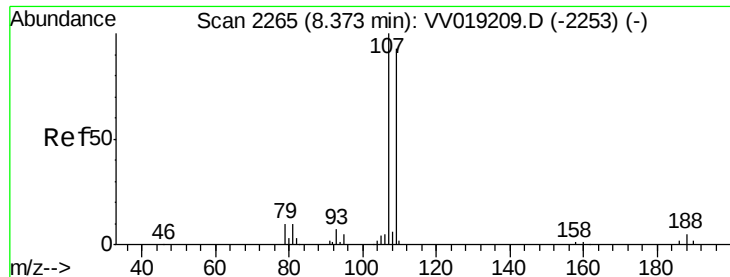
#49
Dibromochloromethane
Concen: 53.734 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Tgt Ion: 129 Resp: 99398
Ion Ratio Lower Upper
129 100
127 78.7 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): VV019213.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV019213.D (-2219) (-)

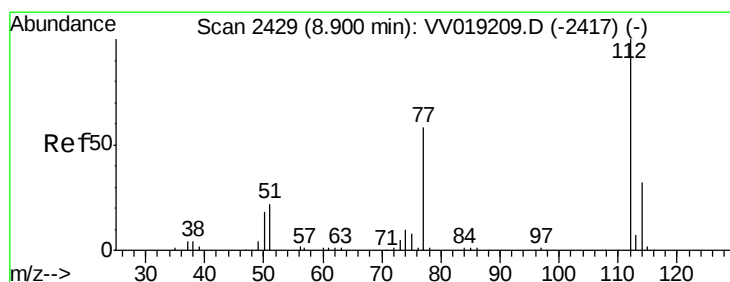
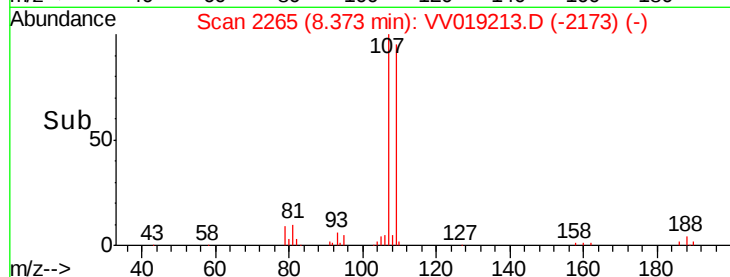
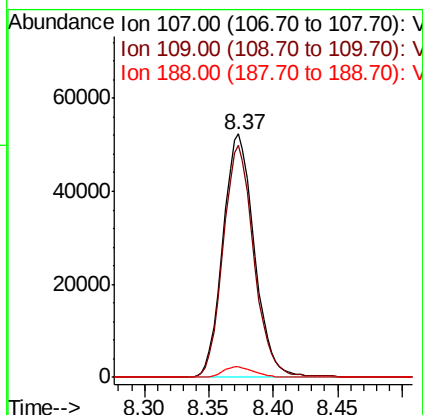
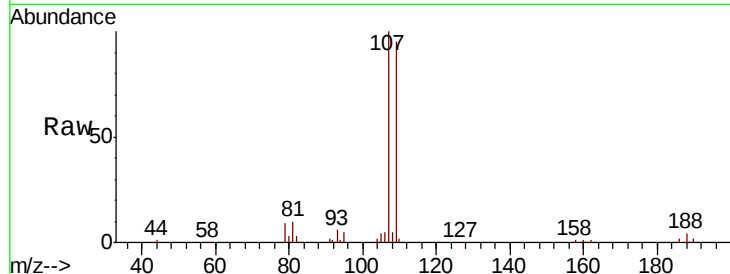




#50
 1,2-Dibromoethane
 Concen: 55.225 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

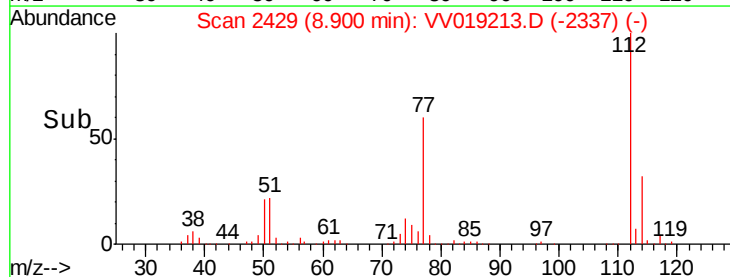
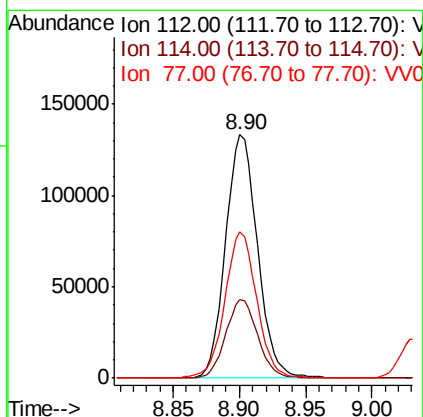
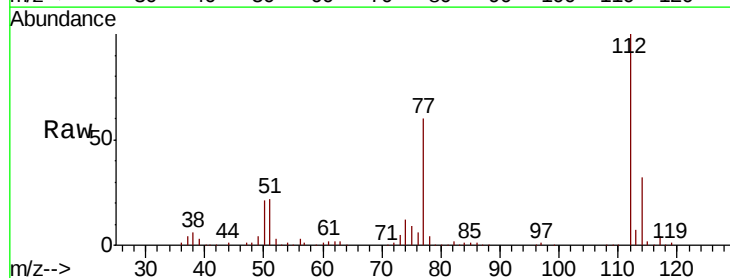
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

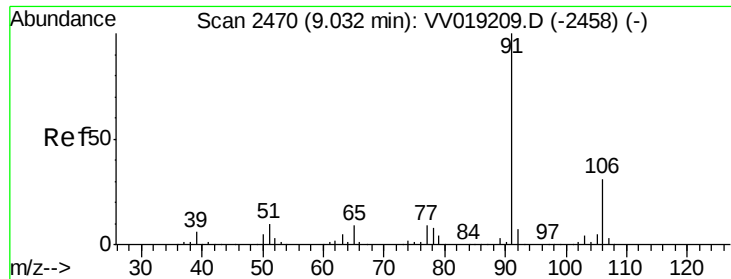
Tot Ion:107 Resp: 88788
 Ion Ratio Lower Upper
 107 100
 109 95.3 64.8 120.4
 188 4.3 3.8 5.8



#51
 Chlorobenzene
 Concen: 52.543 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

Tgt Ion:112 Resp: 223388
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.7 42.1
 77 60.1 47.3 70.9





#52

Ethylbenzene

Concen: 52.401 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

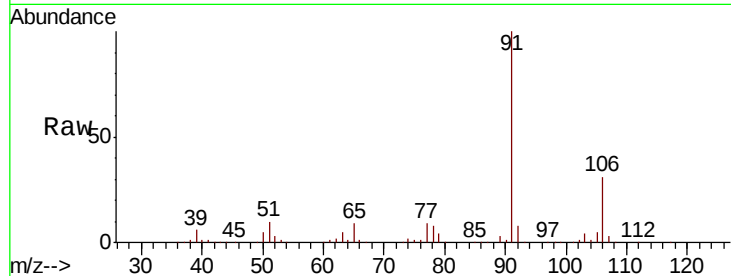
VSTD050309

Tot Ion: 91 Resp: 367449

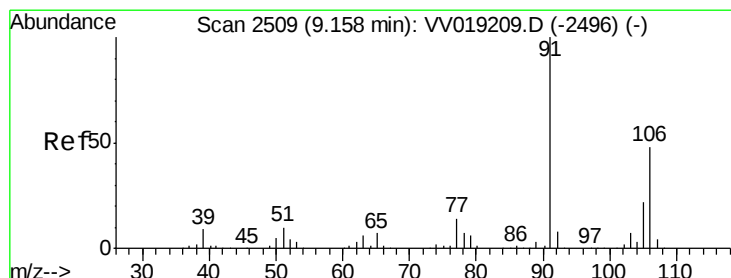
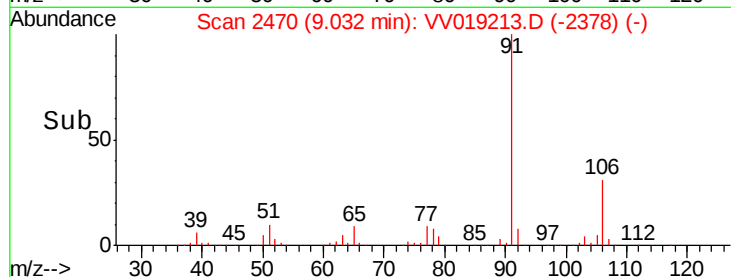
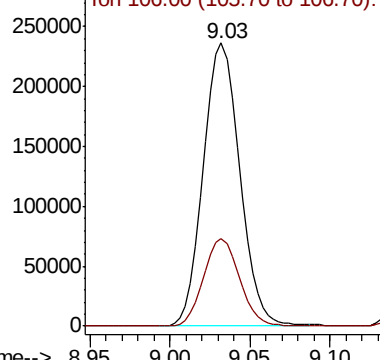
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019213.D (-2458) (-)



#53

m,p-Xylene

Concen: 52.651 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019213.D

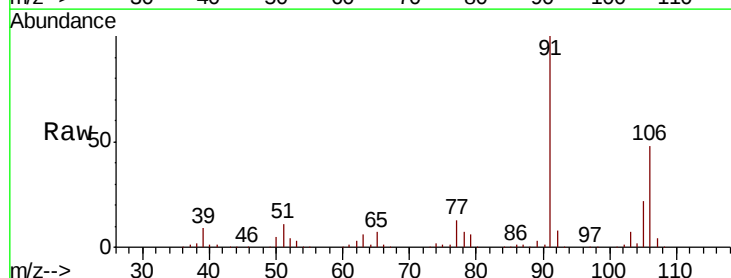
Acq: 02 Nov 2020 20:57

Tgt Ion: 106 Resp: 138223

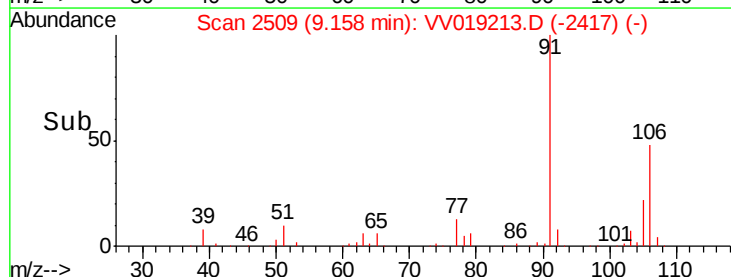
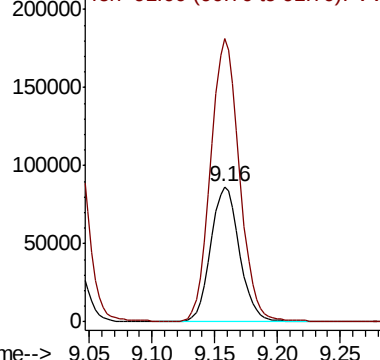
Ion Ratio Lower Upper

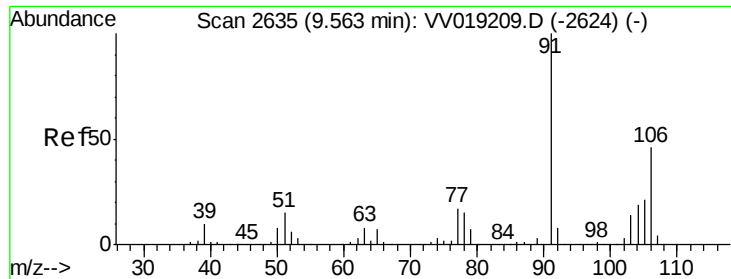
106 100

91 209.3 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019213.D (-2496) (-)

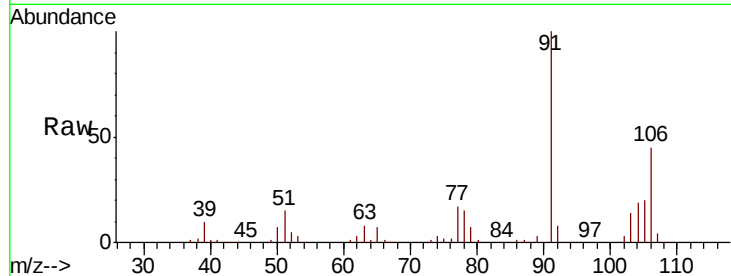




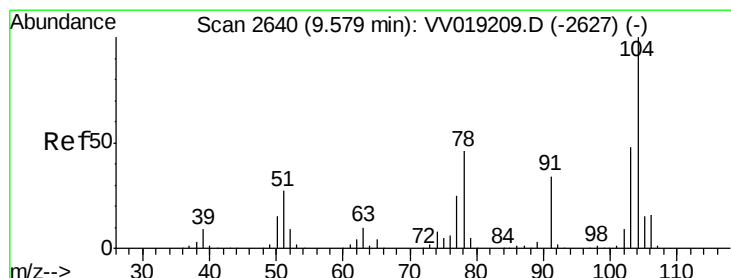
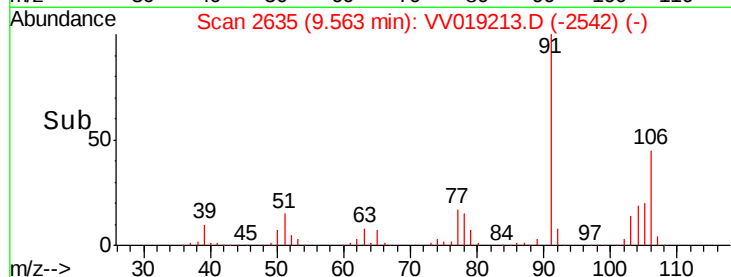
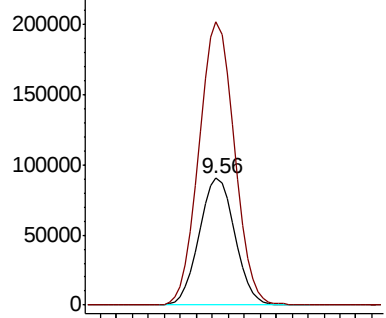
#54
o-Xylene
Concen: 53.163 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion:106 Resp: 137570
Ion Ratio Lower Upper
106 100
91 223.1 151.6 281.6

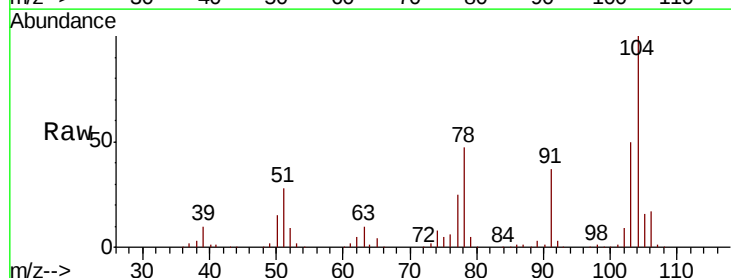


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

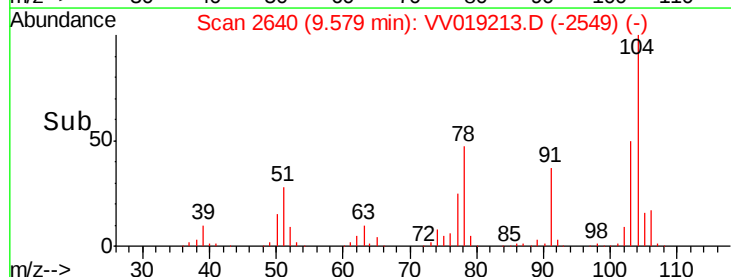
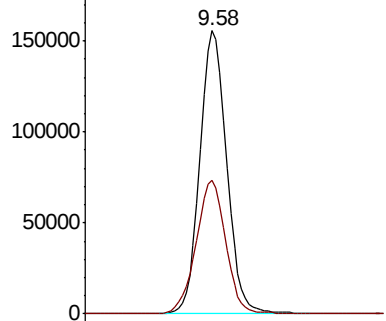


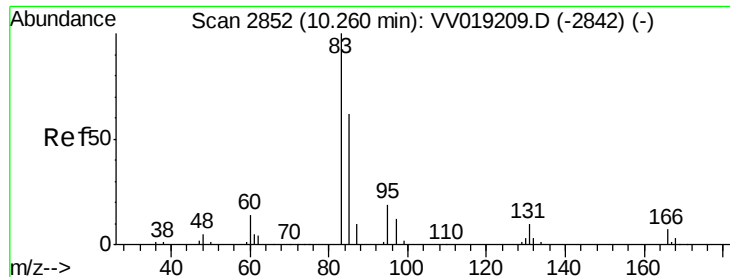
#55
Styrene
Concen: 53.851 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.01 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Tgt Ion:104 Resp: 248050
Ion Ratio Lower Upper
104 100
78 47.3 32.6 60.5



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

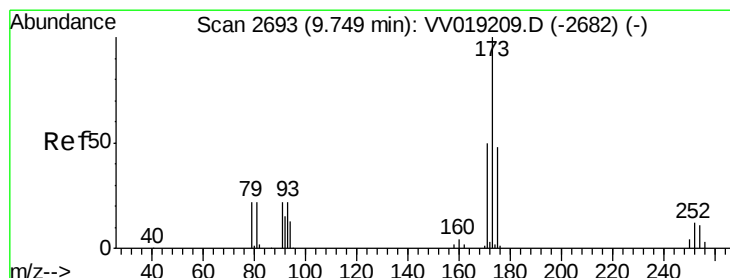
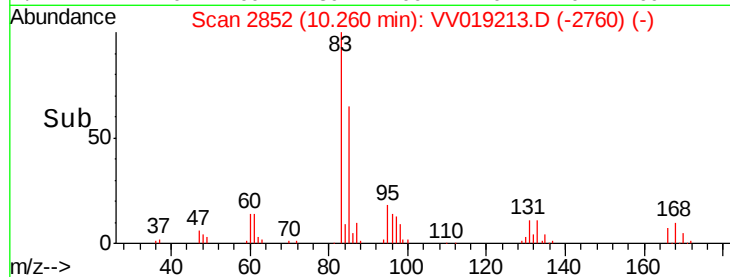
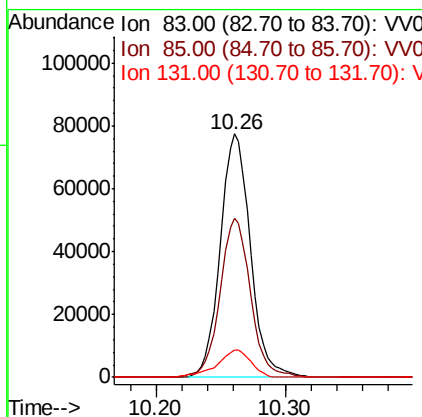
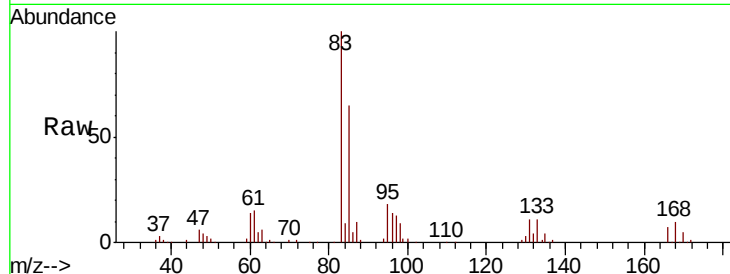




#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.522 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

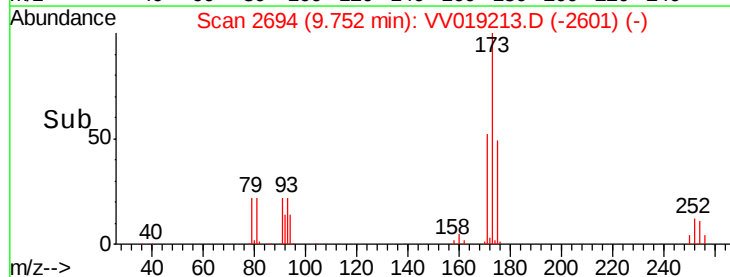
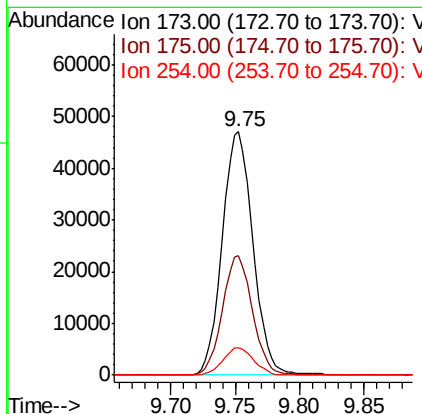
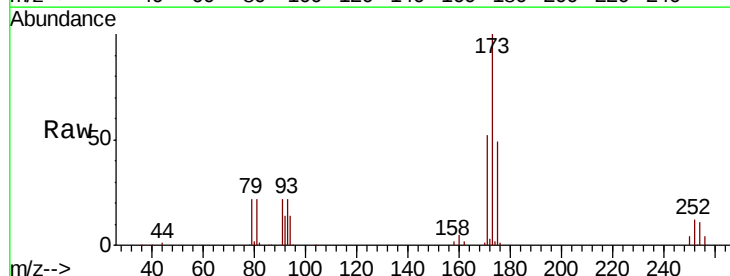
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

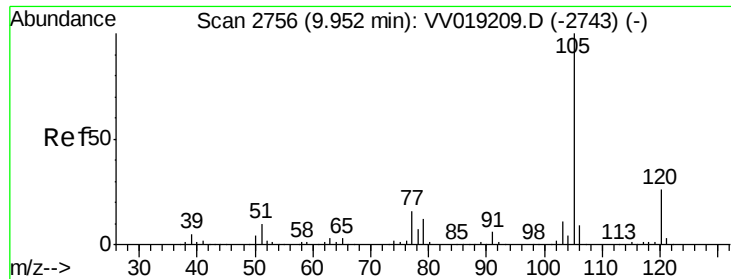
Tot Ion	83	Resp	125595
Ion Ratio	Lower	Upper	
83	100		
85	65.4	45.0	83.6
131	11.0	8.9	13.3



#59
 Bromoform
 Concen: 55.002 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

Tgt Ion	173	Resp	77863
Ion Ratio	Lower	Upper	
173	100		
175	48.0	38.4	57.6
254	11.2	9.0	13.6





#60

Isopropylbenzene

Concen: 53.372 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD050309

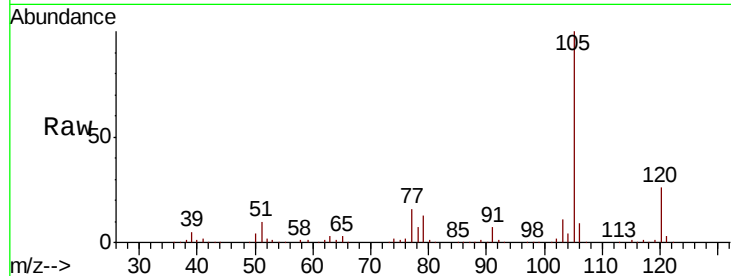
Tot Ion:105 Resp: 356798

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

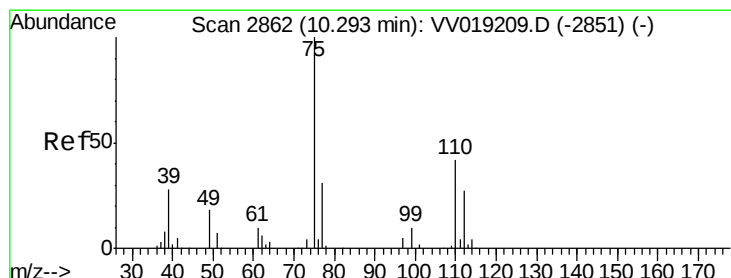
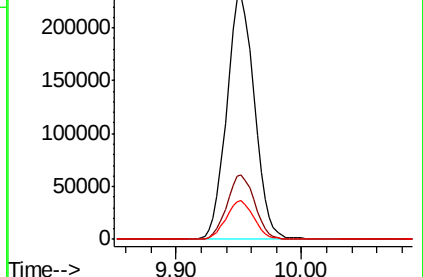
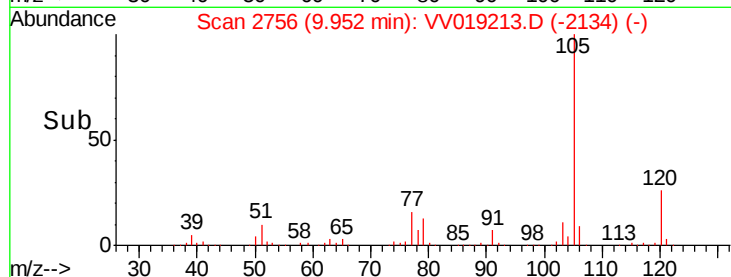
77 16.0 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 53.781 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

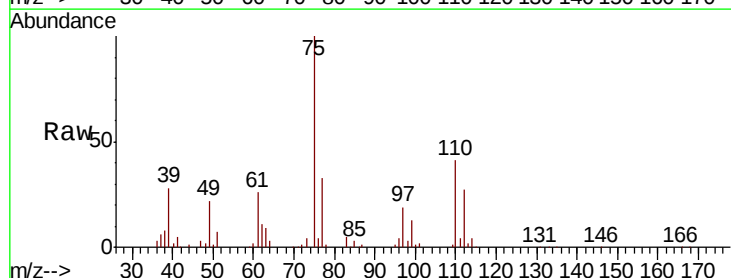
Tgt Ion: 75 Resp: 106574

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

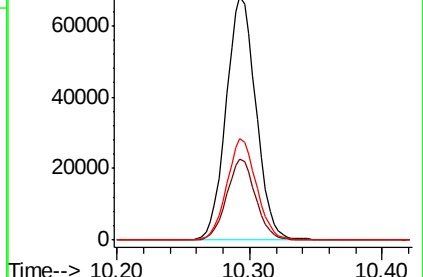
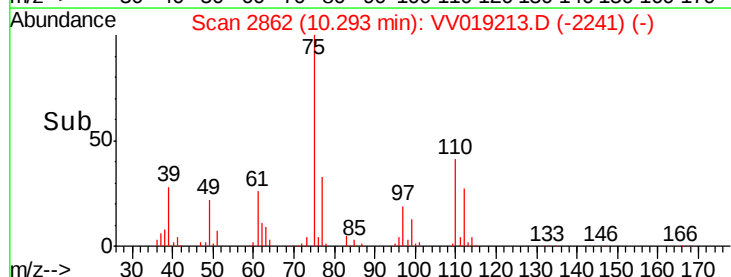
110 41.2 33.4 50.2

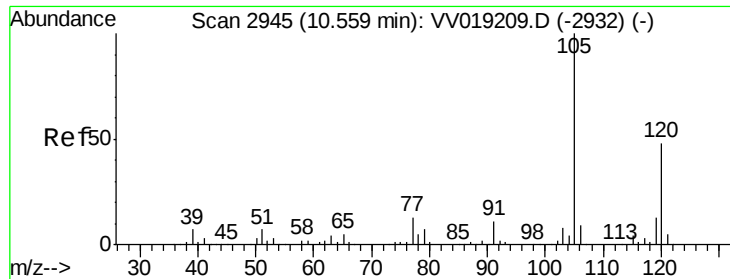


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 54.550 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV019213.D

Acq: 02 Nov 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

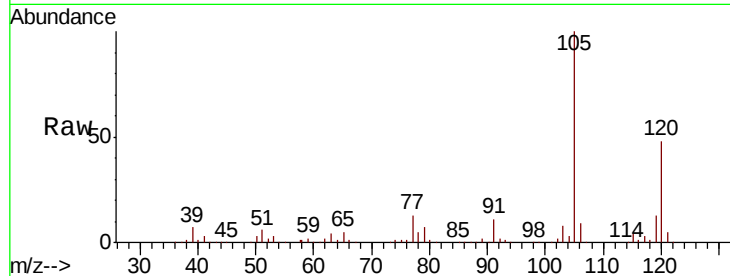
VSTD050309

Tot Ion:105 Resp: 303731

Ion Ratio Lower Upper

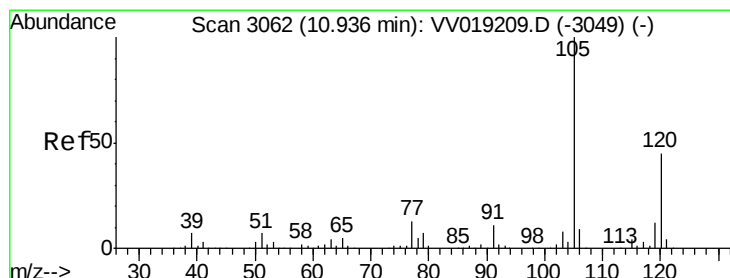
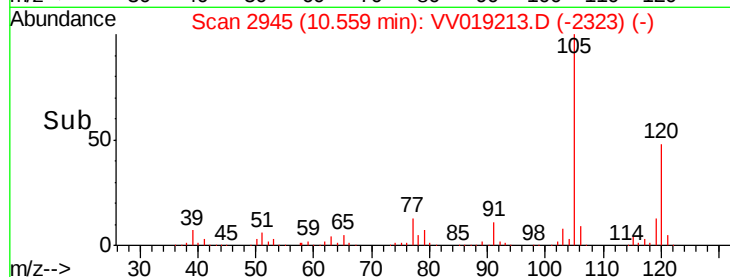
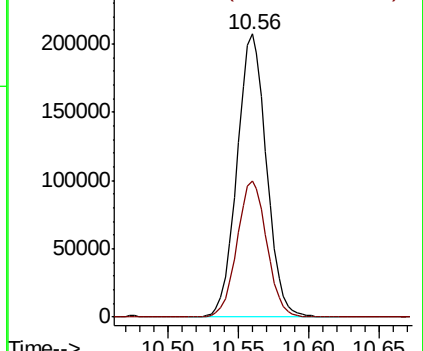
105 100

120 48.6 38.3 57.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 54.345 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV019213.D

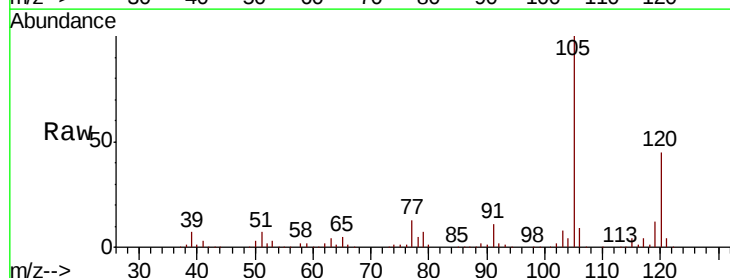
Acq: 02 Nov 2020 20:57

Tgt Ion:105 Resp: 296080

Ion Ratio Lower Upper

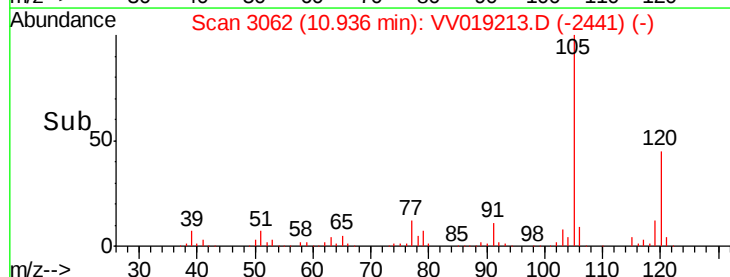
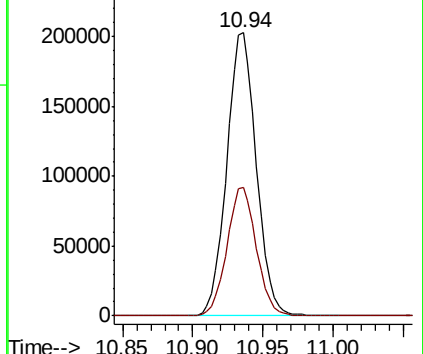
105 100

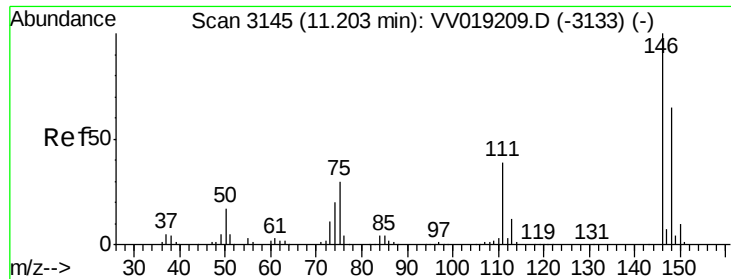
120 45.3 35.7 53.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

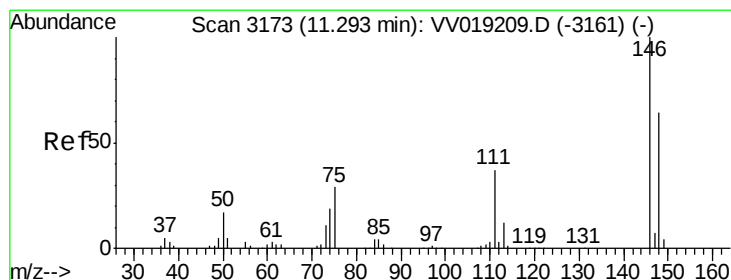
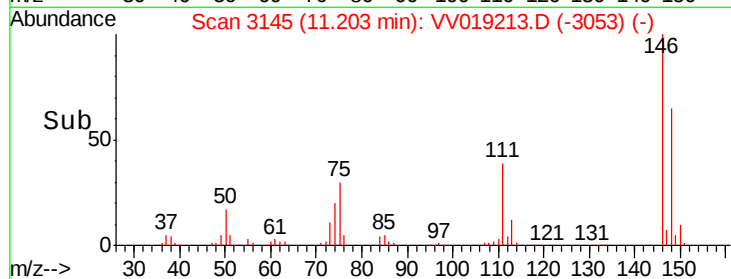
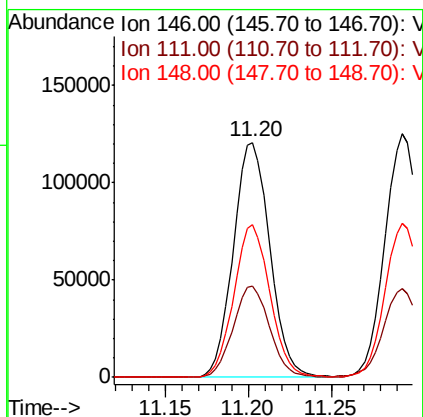
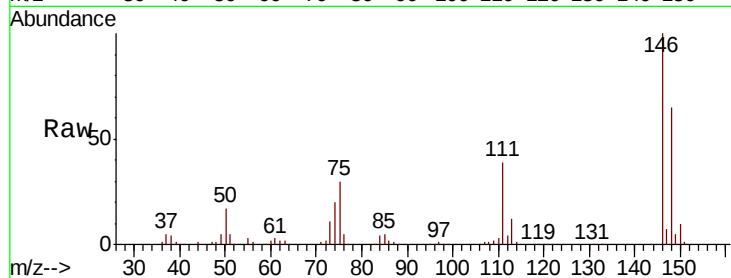




#64
 1,3-Dichlorobenzene
 Concen: 53.187 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

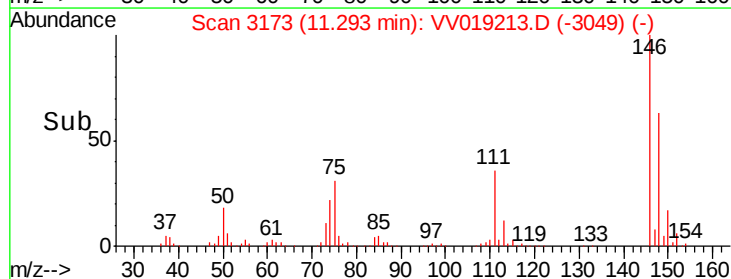
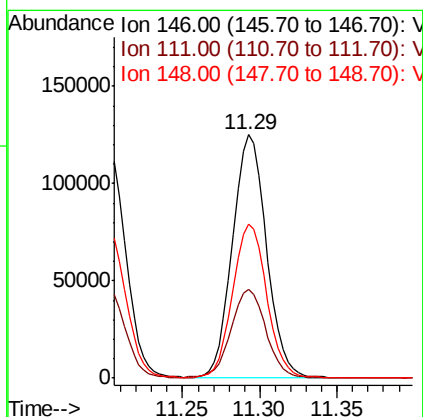
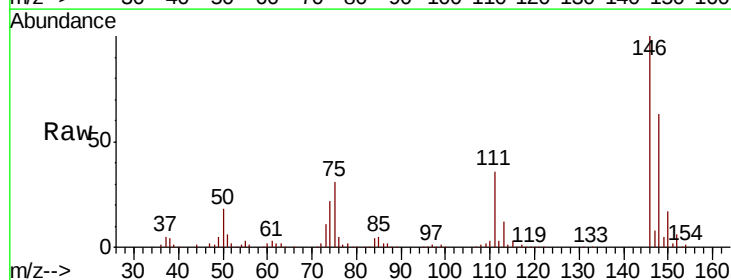
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

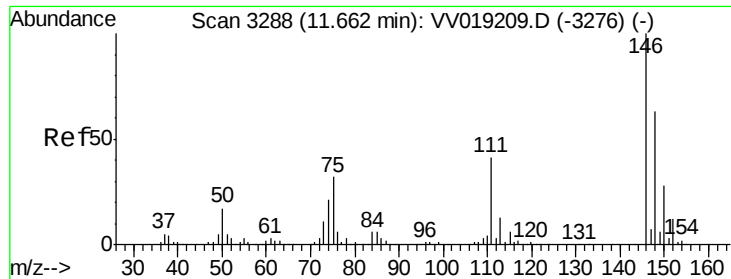
Tot Ion:146 Resp: 185983
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.3 50.7
 148 64.9 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 52.551 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

Tgt Ion:146 Resp: 190112
 Ion Ratio Lower Upper
 146 100
 111 36.3 25.9 48.1
 148 63.5 44.9 83.5

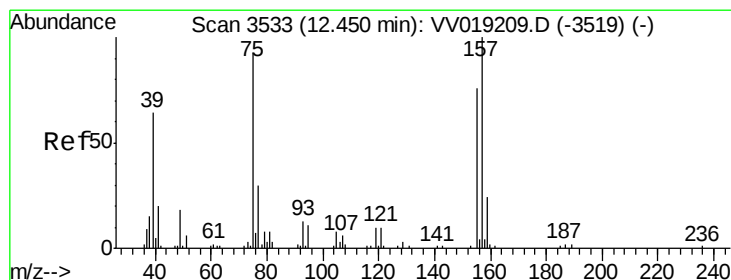
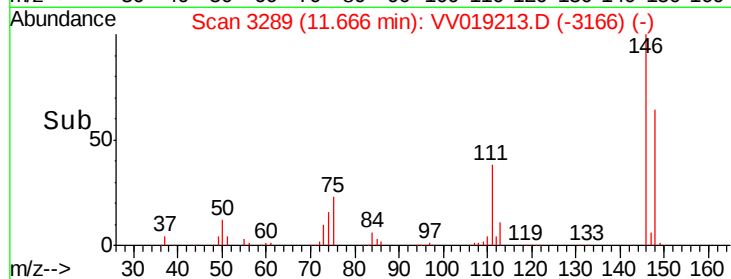
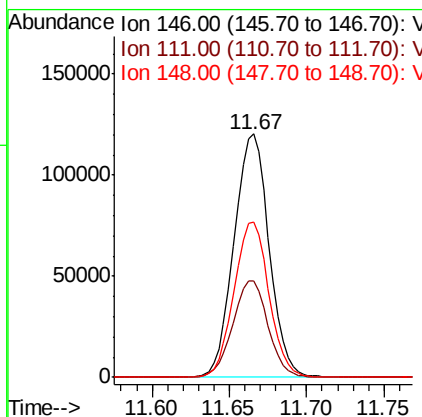
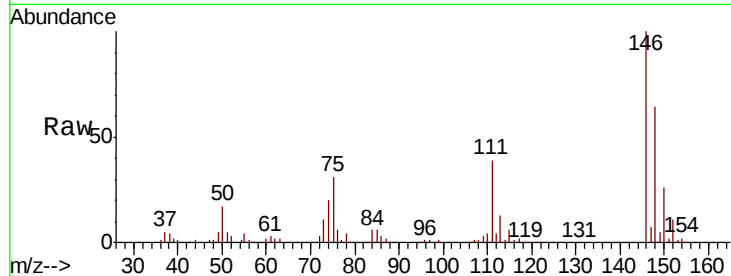




#67
 1,2-Dichlorobenzene
 Concen: 52.962 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

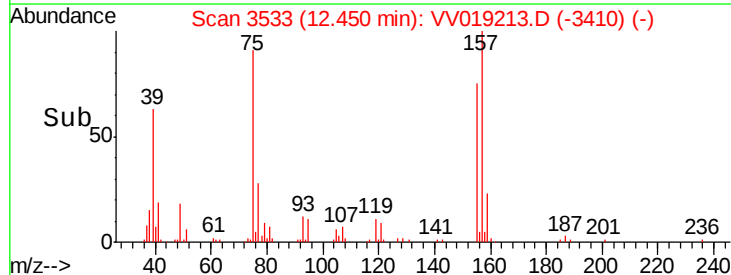
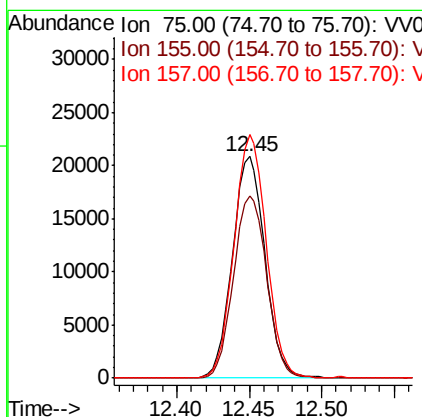
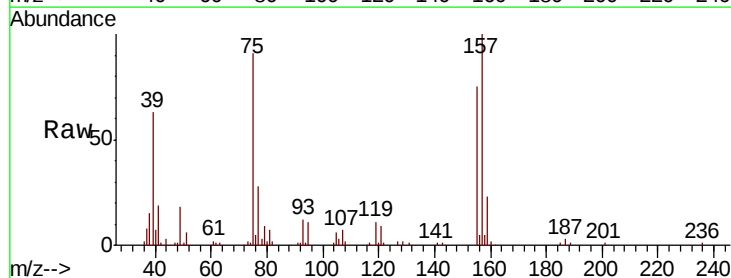
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

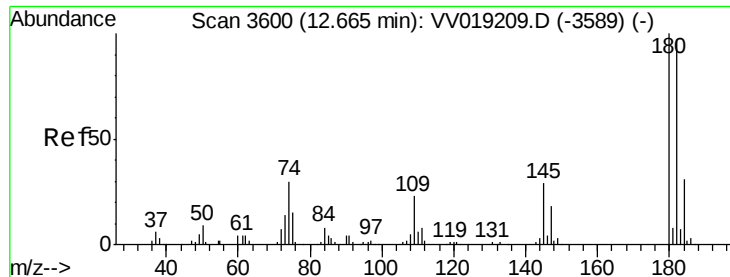
Tot Ion:146 Resp: 189468
 Ion Ratio Lower Upper
 146 100
 111 39.5 32.6 48.8
 148 64.0 50.1 75.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 56.339 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

Tgt Ion: 75 Resp: 32570
 Ion Ratio Lower Upper
 75 100
 155 82.0 65.8 98.6
 157 109.9 86.3 129.5

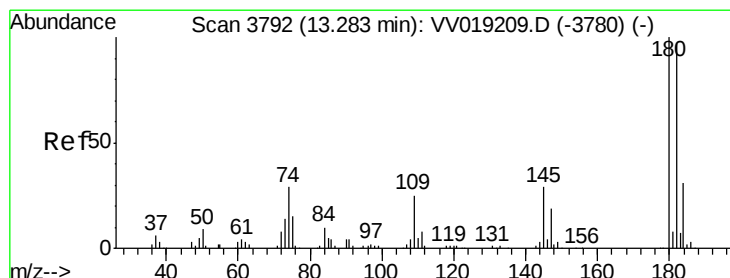
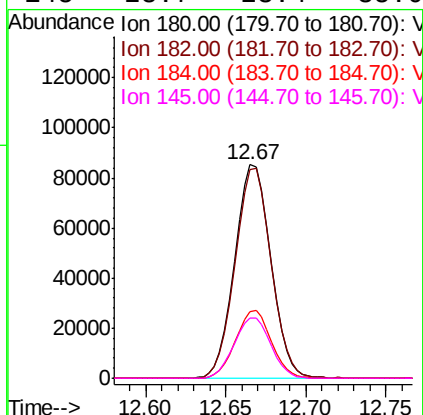
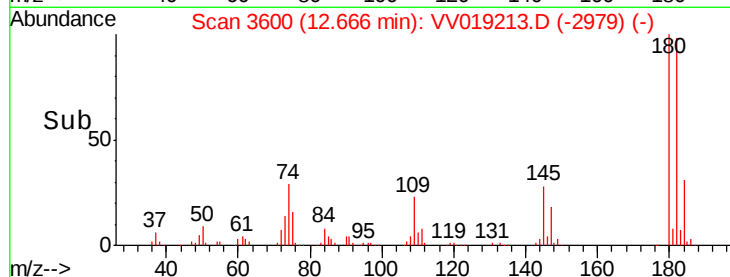
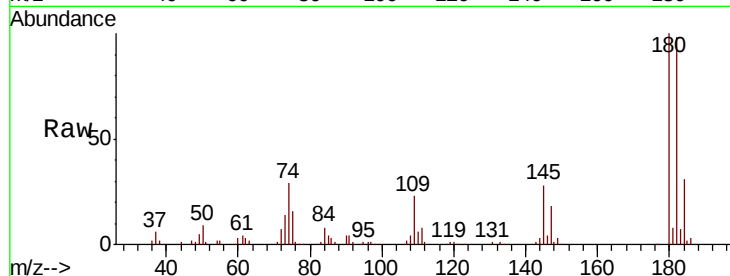




#69
 1,3,5-Trichlorobenzene
 Concen: 52.226 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

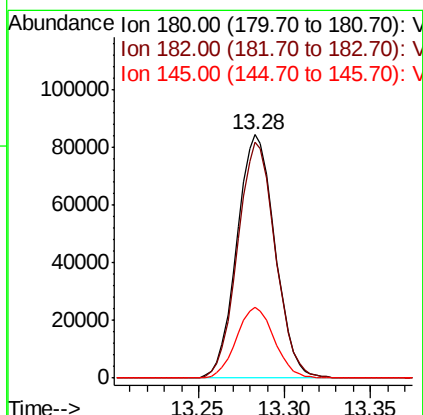
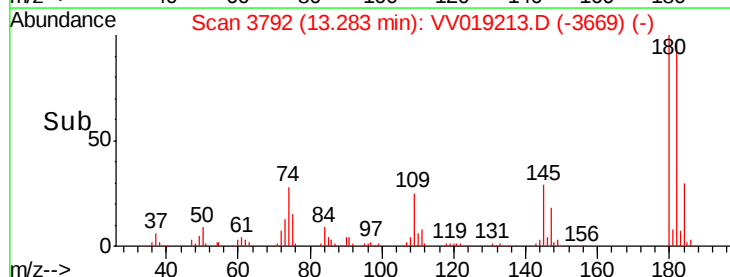
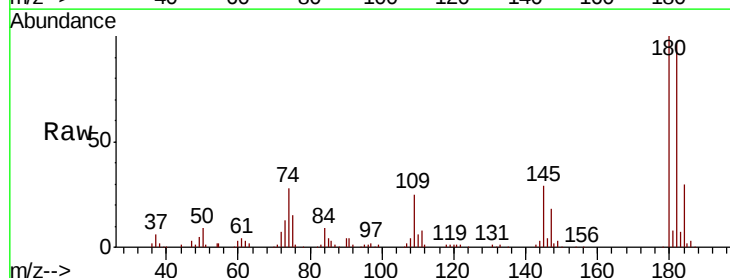
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

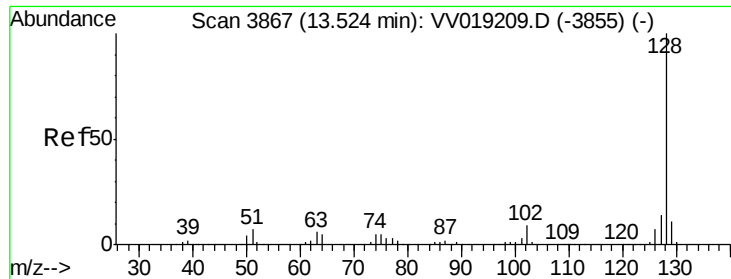
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	77.7	116.5
184	31.3	24.9	37.3
145	28.7	23.4	35.0



#70
 1,2,4-trichlorobenzene
 Concen: 54.985 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019213.D
 Acq: 02 Nov 2020 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	114.8
145	29.0	23.2	34.8

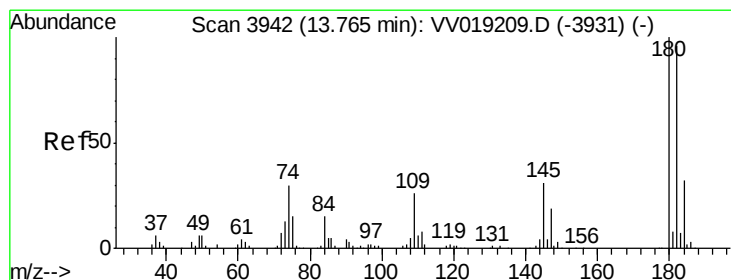
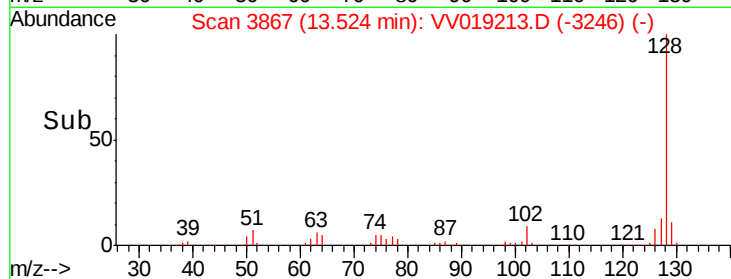
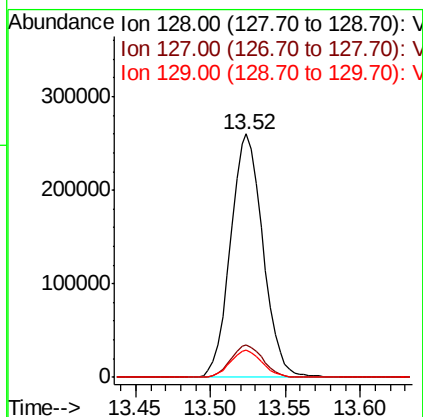
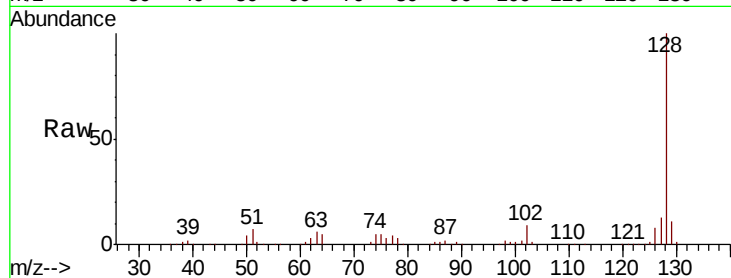




#71
Naphthalene
Concen: 58.960 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion:128 Resp: 392691
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 55.779 ug/L
RT: 13.77 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VV019213.D
Acq: 02 Nov 2020 20:57

Tgt Ion:180 Resp: 130580
Ion Ratio Lower Upper
180 100
182 95.4 77.4 116.0
145 31.1 24.7 37.1

