

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019208.D
 Acq On : 02 Nov 2020 18:35
 Operator : SY/MD
 Sample : VSTD01061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010303

Quant Time: Nov 03 04:31:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:30:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	238452	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	232898	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	124390	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	18558	18.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	36.56%#
7) Chloroethane-d5	1.58	69	14376	18.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	36.86%#
11) 1,1-Dichloroethene-d2	2.13	63	35322	18.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	37.70%#
21) 2-Butanone-d5	3.92	46	20029	23.99	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	23.99%#
24) Chloroform-d	4.38	84	35279	12.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	25.24%#
26) 1,2-Dichloroethane-d4	5.06	65	24240	13.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	26.74%#
32) Benzene-d6	5.08	84	64832	11.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	23.20%#
36) 1,2-Dichloropropane-d6	6.09	67	18837	11.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	22.30%#
41) Toluene-d8	7.34	98	59177	11.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	22.26%#
43) trans-1,3-Dichloropropene-	7.65	79	10405	10.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	21.92%#
47) 2-Hexanone-d5	8.11	63	12859	19.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	19.34%#
56) 1,1,2,2-Tetrachloroethane-	10.24	84	25016	10.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	21.54%#
66) 1,2-Dichlorobenzene-d4	11.65	152	24224	10.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	21.94%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	15492	9.412	ug/L	97
3) Chloromethane	1.25	50	15277	10.820	ug/L	97
5) Vinyl chloride	1.32	62	16351	13.873	ug/L	97
6) Bromomethane	1.53	94	10775	15.729	ug/L	98
8) Chloroethane	1.60	64	10791	16.796	ug/L	98
9) Trichlorofluoromethane	1.77	101	27473	13.118	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	12947	14.158	ug/L	97
12) 1,1-Dichloroethene	2.14	96	13288	15.299	ug/L	96
13) Acetone	2.19	43	15442	22.153	ug/L	99
14) Carbon disulfide	2.31	76	37897	10.716	ug/L	100
15) Methyl Acetate	2.45	43	14638	11.099	ug/L	99
16) Methylene chloride	2.53	84	15543	9.991	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	14269	10.045	ug/L	93
18) Methyl tert-butyl Ether	2.78	73	47474	9.886	ug/L	99
19) 1,1-Dichloroethane	3.22	63	27302	10.574	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	15232	9.196	ug/L	99
22) 2-Butanone	4.01	43	16135	15.885	ug/L	98

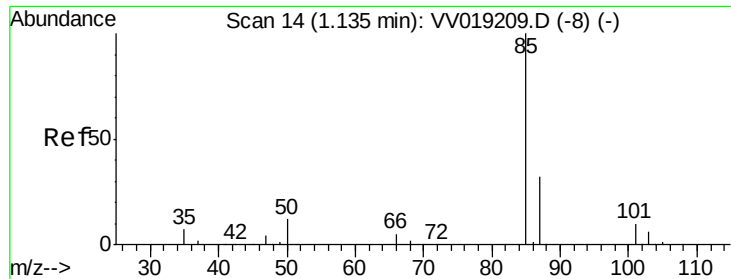
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019208.D
 Acq On : 02 Nov 2020 18:35
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:30:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	8640	10.320	ug/L	94
25) Chloroform	4.40	83	29609	10.181	ug/L	99
27) 1,2-Dichloroethane	5.16	62	25520	11.426	ug/L	99
29) Cyclohexane	4.71	56	19942	8.880	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	27402	10.351	ug/L	99
31) Carbon tetrachloride	4.86	117	23429	9.964	ug/L	98
33) Benzene	5.13	78	57274	9.455	ug/L	100
34) Trichloroethene	5.94	95	15705	9.498	ug/L	92
35) Methylcyclohexane	6.16	83	18875	7.572	ug/L	94
37) 1,2-Dichloropropane	6.20	63	15504	10.393	ug/L	100
38) Bromodichloromethane	6.53	83	21654	9.384	ug/L #	99
39) cis-1,3-Dichloropropene	7.05	75	22080	8.493	ug/L	92
40) 4-Methyl-2-pentanone	7.25	43	38114	19.865	ug/L	99
42) Toluene	7.41	91	62393	9.378	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	23514	9.486	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	15202	9.604	ug/L	97
46) Tetrachloroethene	8.00	164	13484	10.136	ug/L	95
48) 2-Hexanone	8.16	43	27825	18.763	ug/L	99
49) Dibromochloromethane	8.27	129	17174	8.982	ug/L	99
50) 1,2-Dibromoethane	8.38	107	15142	8.756	ug/L #	95
51) Chlorobenzene	8.90	112	42651	9.534	ug/L	99
52) Ethylbenzene	9.04	91	68223	8.969	ug/L	99
53) m,p-Xylene	9.16	106	25338	8.626	ug/L	100
54) o-Xylene	9.56	106	24770	8.753	ug/L	97
55) Styrene	9.58	104	43489	8.944	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	22246	8.922	ug/L	100
59) Bromoform	9.75	173	13246	9.336	ug/L	98
60) Isopropylbenzene	9.95	105	65447	8.454	ug/L	100
61) 1,2,3-Trichloropropane	10.30	75	19365	9.392	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	51994	7.868	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	50552	7.835	ug/L	96
64) 1,3-Dichlorobenzene	11.20	146	35687	9.473	ug/L	99
65) 1,4-Dichlorobenzene	11.30	146	37474	9.668	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	35333	9.471	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	5029	8.089	ug/L	92
69) 1,3,5-Trichlorobenzene	12.67	180	24390	8.983	ug/L	98
70) 1,2,4-trichlorobenzene	13.29	180	21759	8.810	ug/L	98
71) Naphthalene	13.53	128	53298	7.148	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	21927	9.034	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.412 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

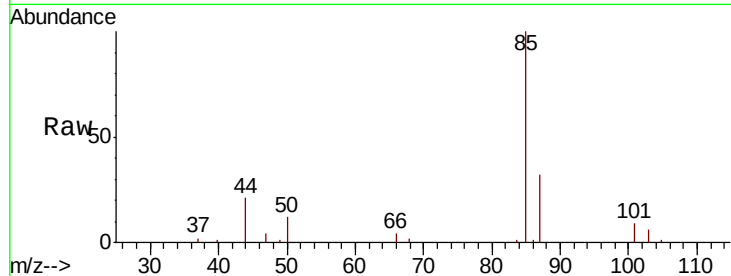
VSTD010303

Tot Ion: 85 Resp: 15492

Ion Ratio Lower Upper

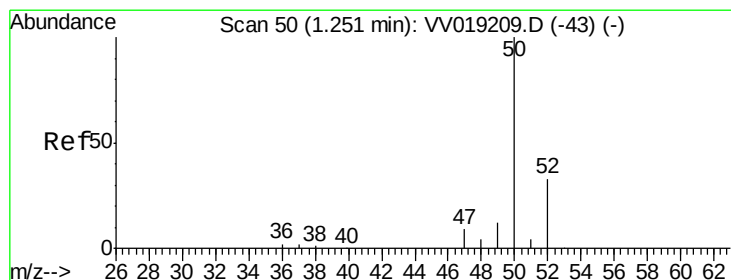
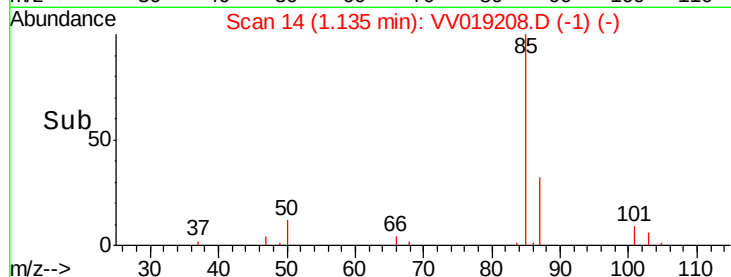
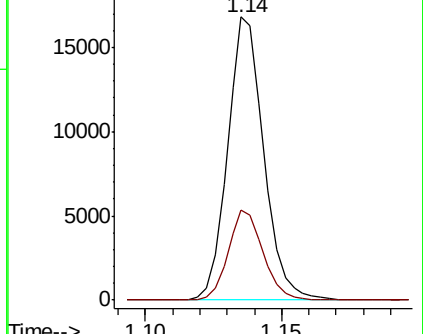
85 100

87 30.5 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: 10.820 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019208.D

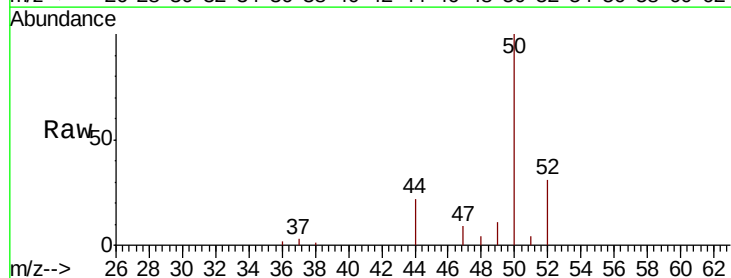
Acq: 02 Nov 2020 18:35

Tgt Ion: 50 Resp: 15277

Ion Ratio Lower Upper

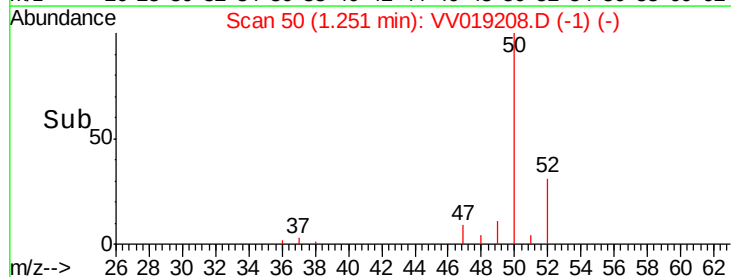
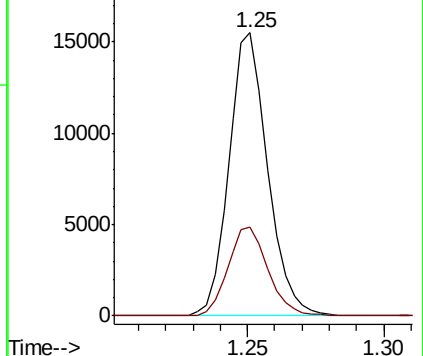
50 100

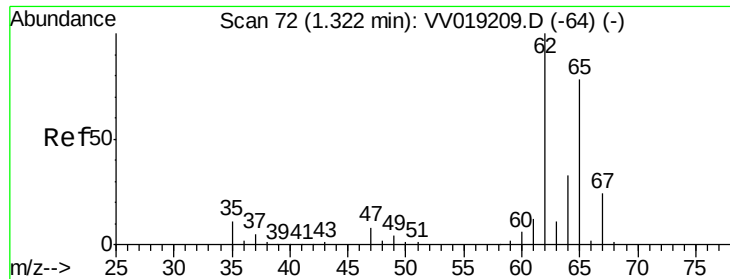
52 31.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 13.873 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

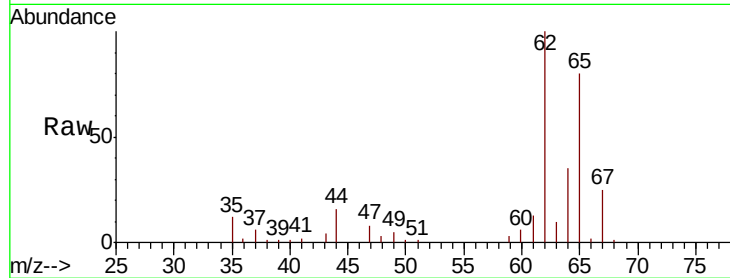
VSTD010303

Tot Ion: 62 Resp: 16351

Ion Ratio Lower Upper

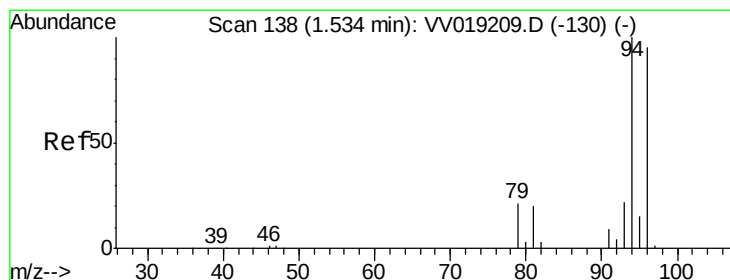
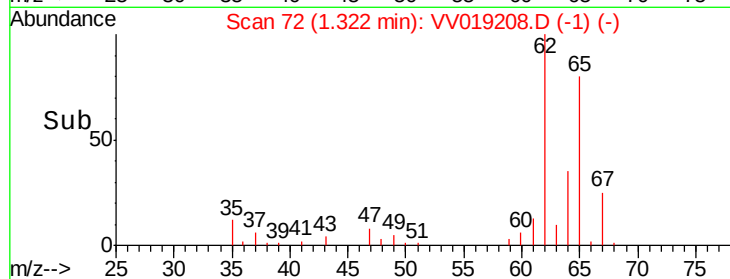
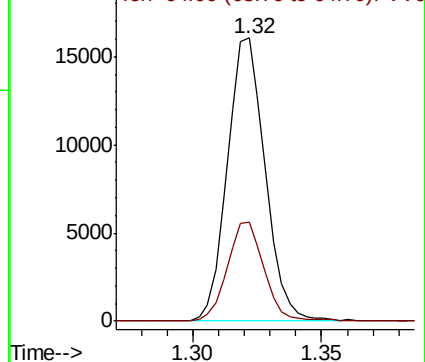
62 100

64 34.8 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: 15.729 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019208.D

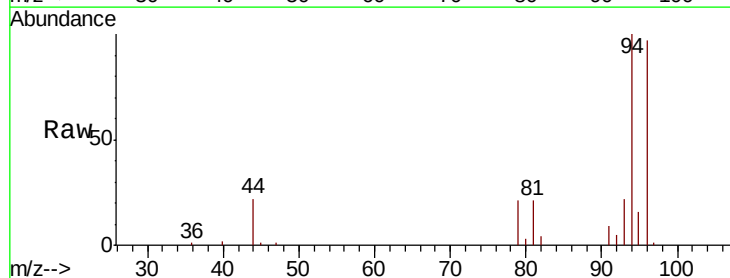
Acq: 02 Nov 2020 18:35

Tgt Ion: 94 Resp: 10775

Ion Ratio Lower Upper

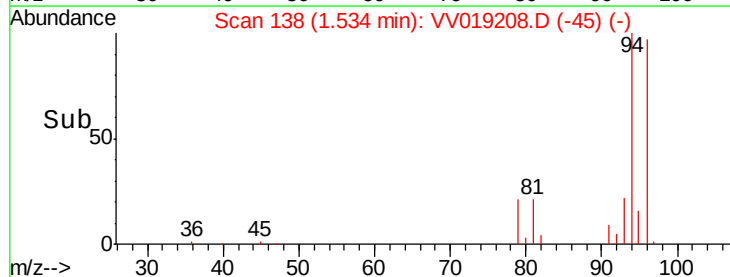
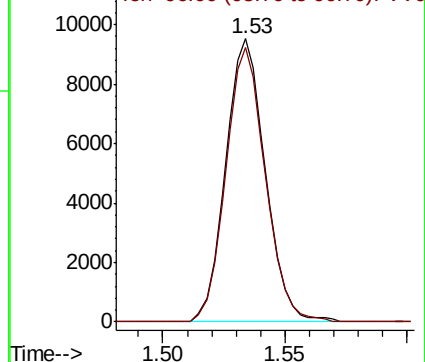
94 100

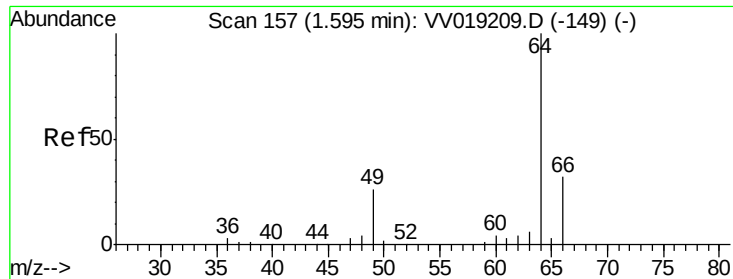
96 97.0 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

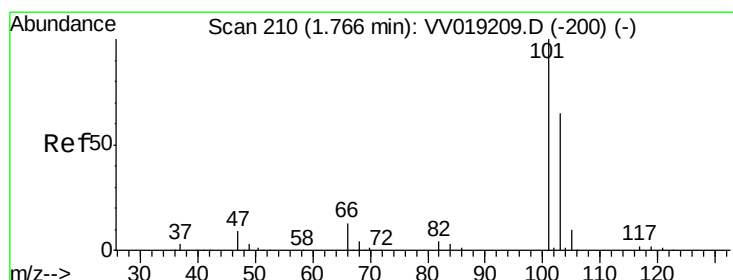
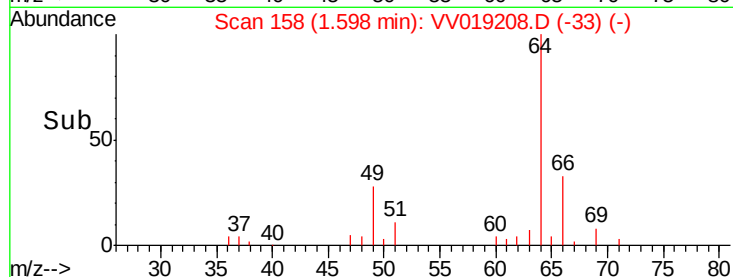
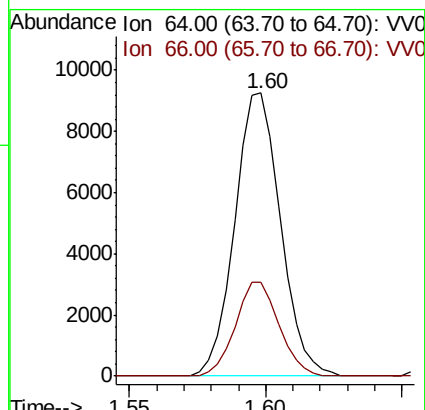
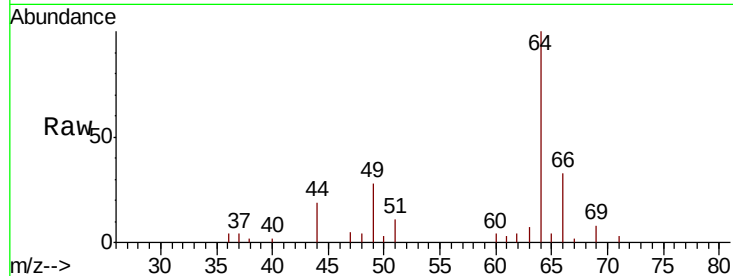




#8
Chloroethane
Concen: 16.796 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

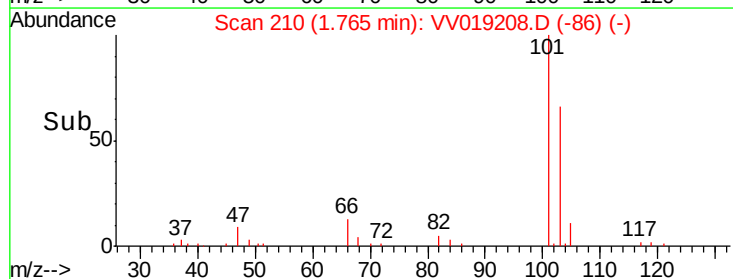
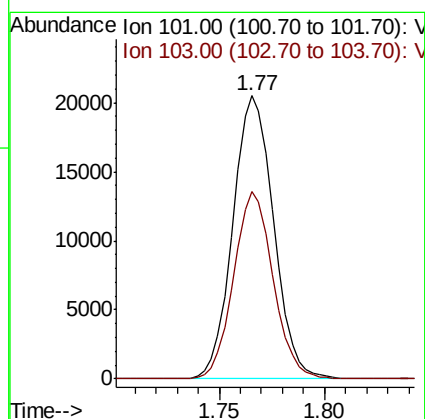
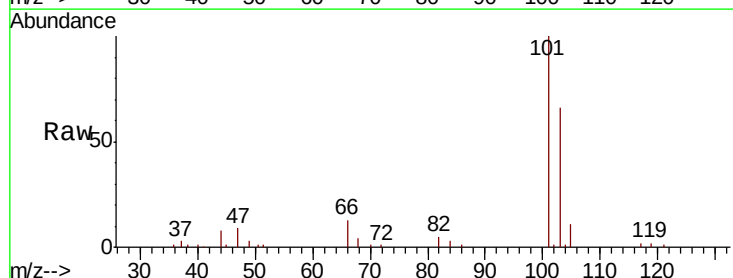
Instrument :
MSVOA_V
ClientSampleId :
VSTD010303

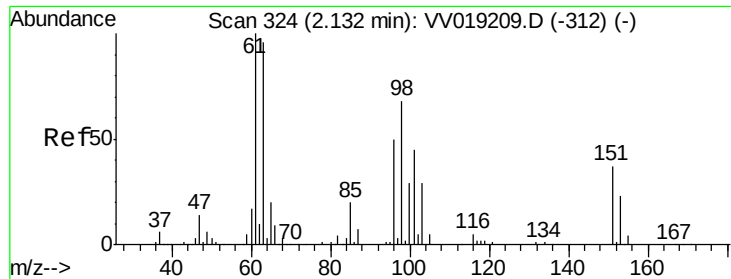
Tot Ion: 64 Resp: 10791
Ion Ratio Lower Upper
64 100
66 33.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 13.118 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Tgt Ion: 101 Resp: 27473
Ion Ratio Lower Upper
101 100
103 63.9 52.3 78.5





#10

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

Concen: 14.158 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD010303

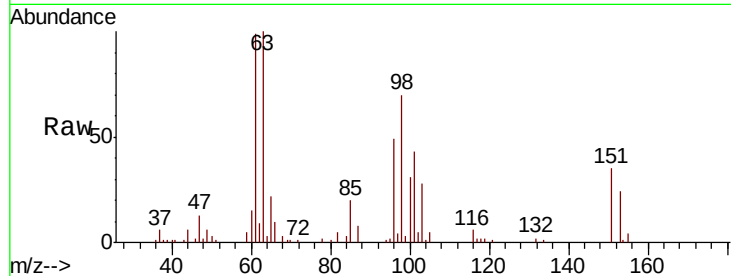
Tot Ion:101 Resp: 12947

Ion Ratio Lower Upper

101 100

85 45.7 35.6 53.4

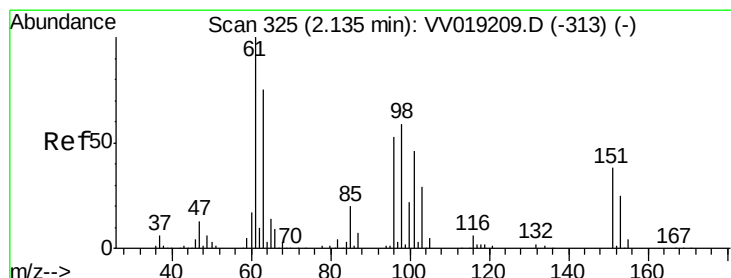
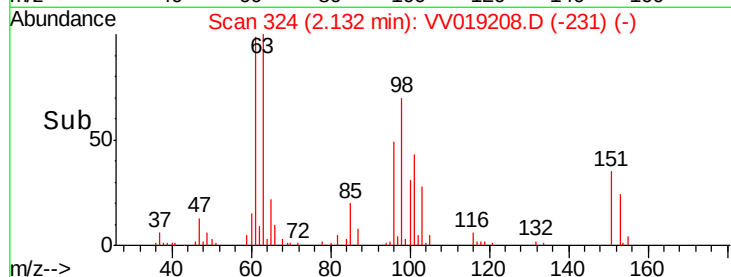
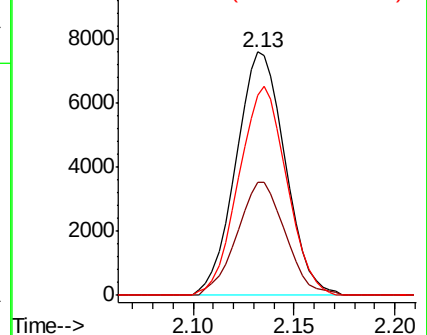
151 83.8 64.1 96.1



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: 15.299 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

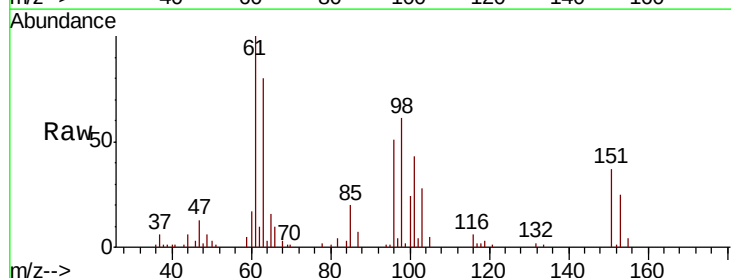
Tgt Ion: 96 Resp: 13288

Ion Ratio Lower Upper

96 100

61 194.6 133.6 248.0

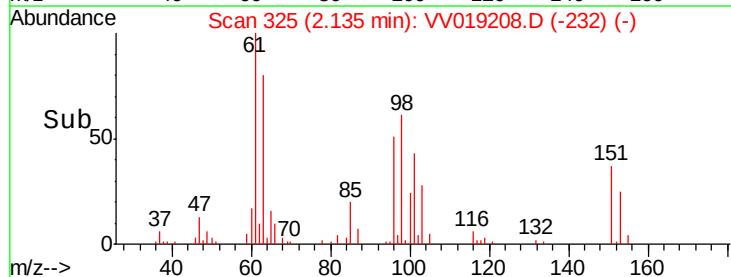
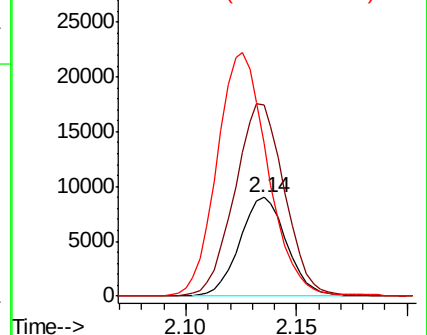
63 154.8 103.0 191.2

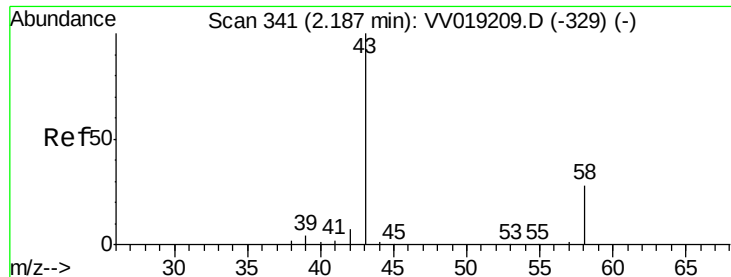


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 22.153 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

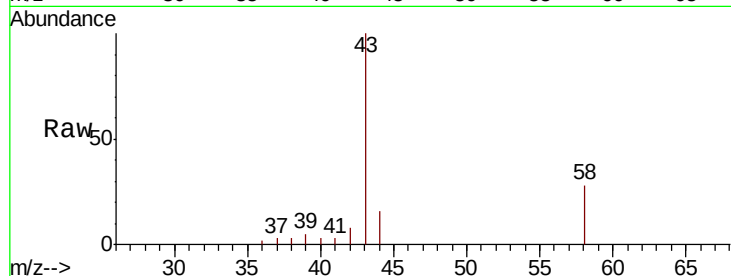
VSTD010303

Tot Ion: 43 Resp: 15442

Ion Ratio Lower Upper

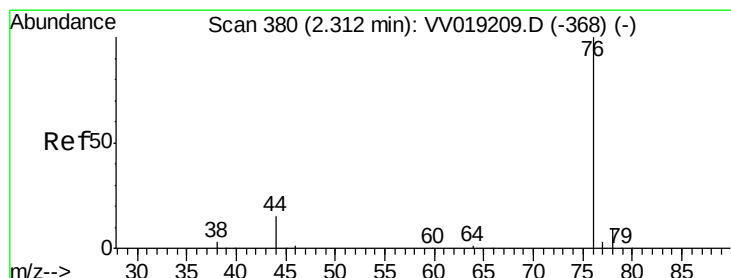
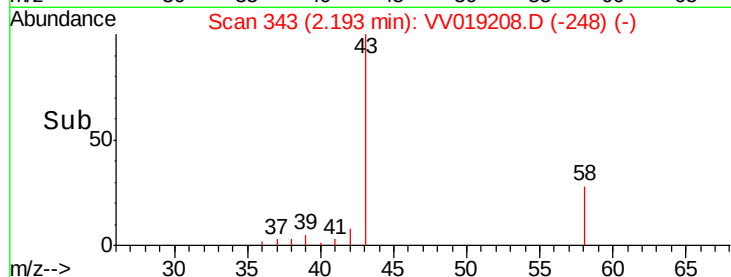
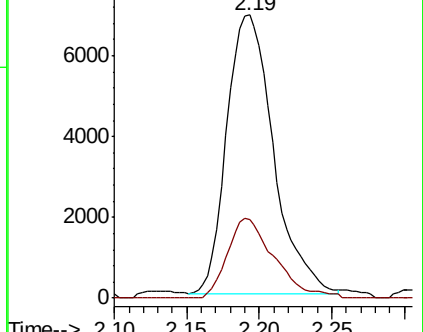
43 100

58 28.6 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019209.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019209.D (-329) (-)



#14

Carbon disulfide

Concen: 10.716 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV019208.D

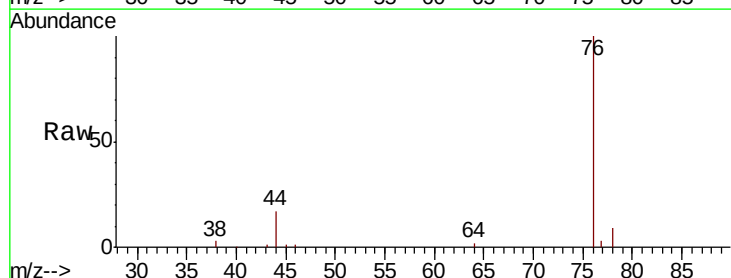
Acq: 02 Nov 2020 18:35

Tgt Ion: 76 Resp: 37897

Ion Ratio Lower Upper

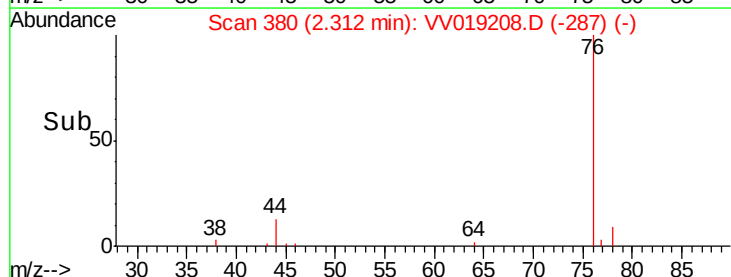
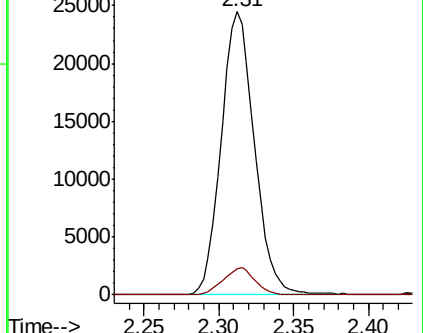
76 100

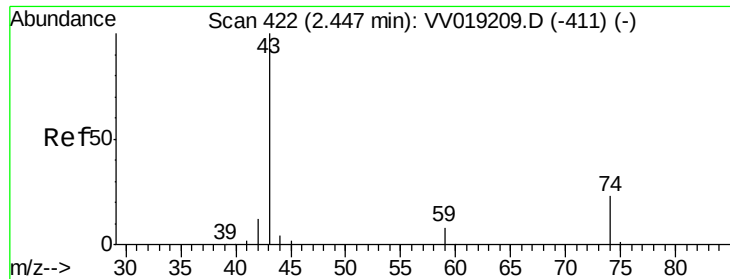
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019209.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019209.D (-368) (-)

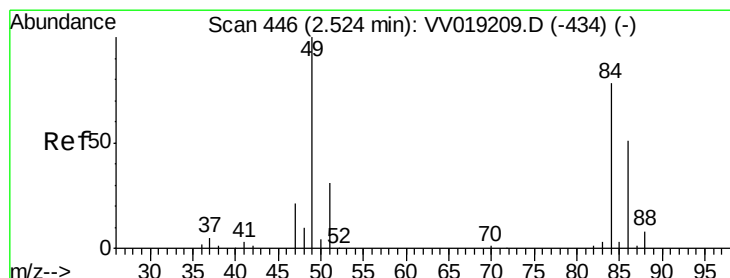
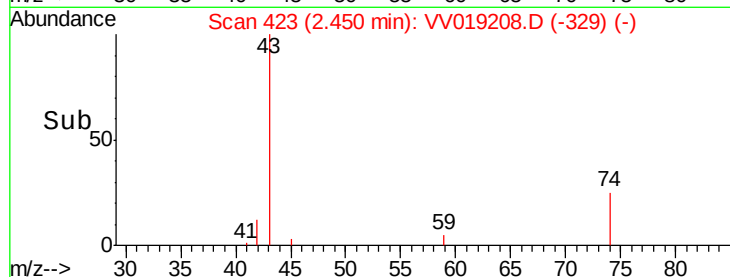
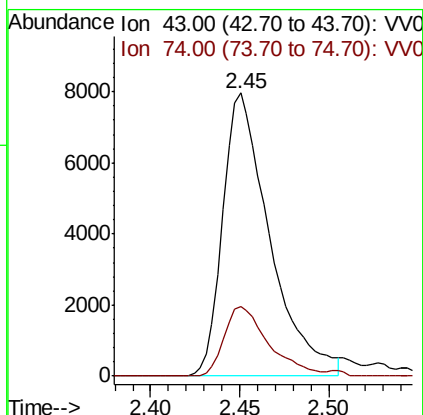
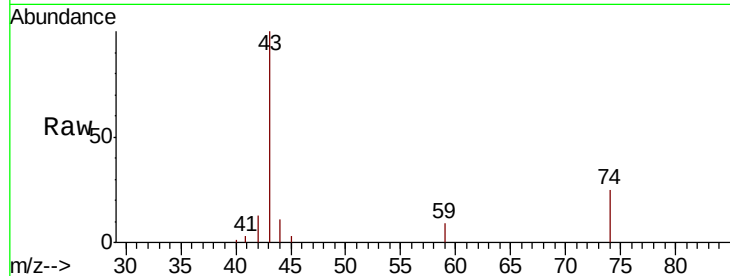




#15
Methvl Acetate
Concen: 11.099 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

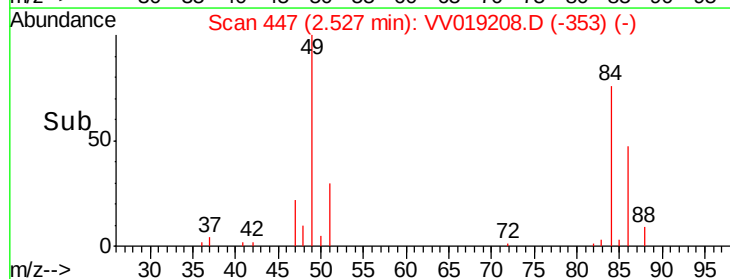
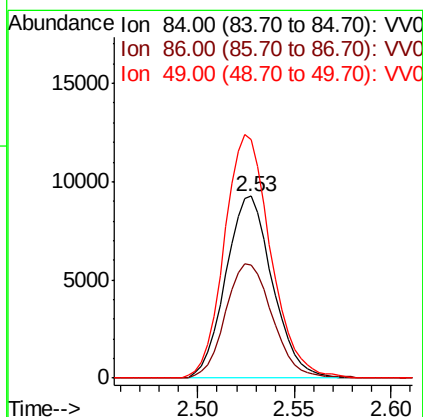
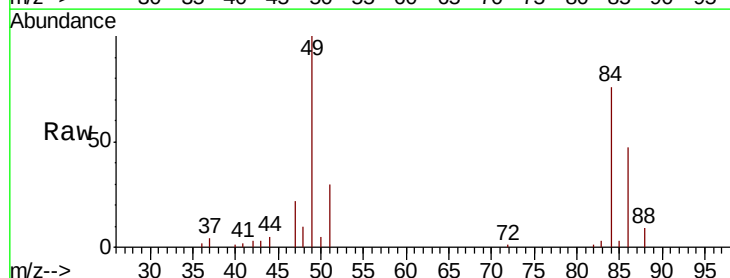
Instrument :
MSVOA_V
ClientSampleId :
VSTD010303

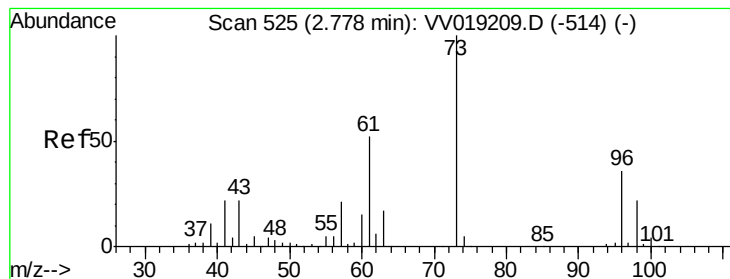
Tot Ion: 43 Resp: 14638
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2



#16
Methylene chloride
Concen: 9.991 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Tgt Ion: 84 Resp: 15543
Ion Ratio Lower Upper
84 100
86 62.3 45.6 84.8
49 131.3 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 10.045 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

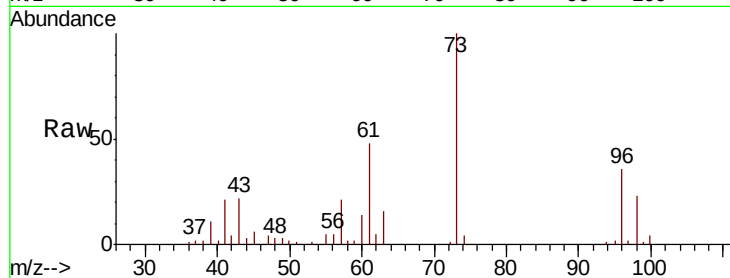
MSVOA_V

ClientSampleId :

VSTD010303

Tot Ion: 96 Resp: 14269

Ion	Ratio	Lower	Upper
96	100		
61	132.5	100.7	187.1
98	62.9	42.9	79.7

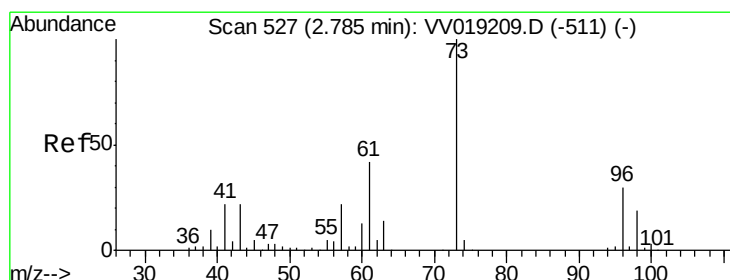
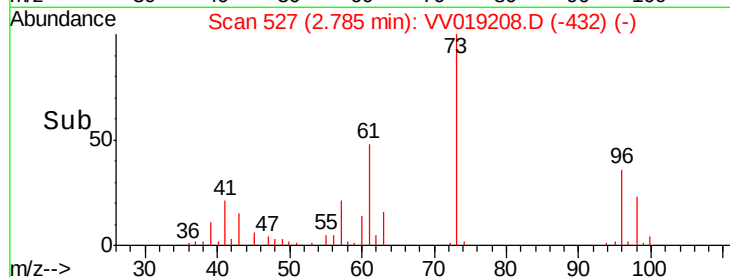
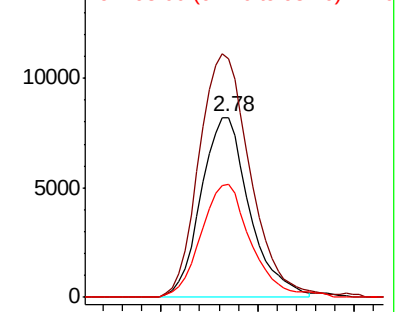


Abundance

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: 9.886 ug/L

RT: 2.78 min Scan# 527

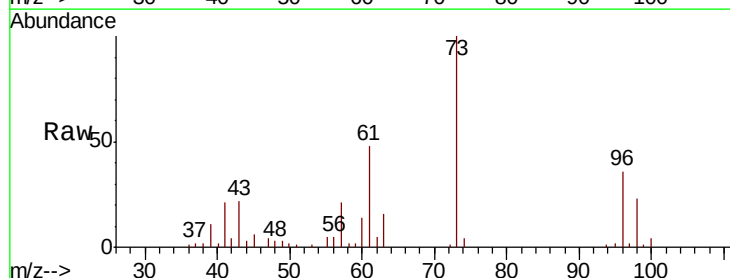
Delta R.T. -0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Tgt Ion: 73 Resp: 47474

Ion	Ratio	Lower	Upper
73	100		
43	21.9	17.9	26.9
57	21.9	17.1	25.7

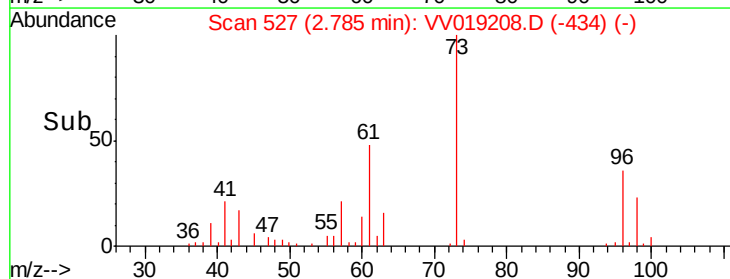
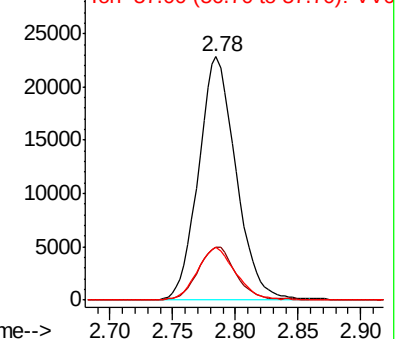


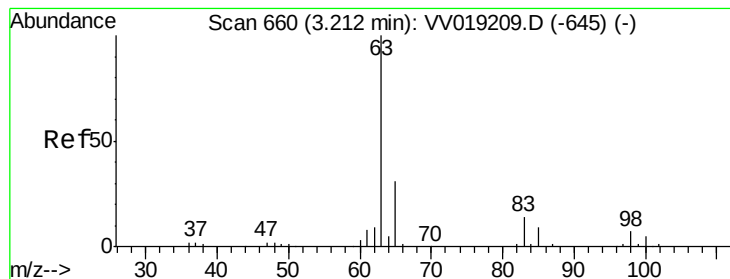
Abundance

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: 10.574 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD010303

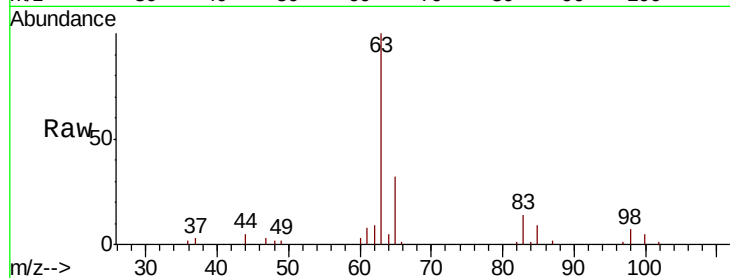
Tot Ion: 63 Resp: 27302

Ion Ratio Lower Upper

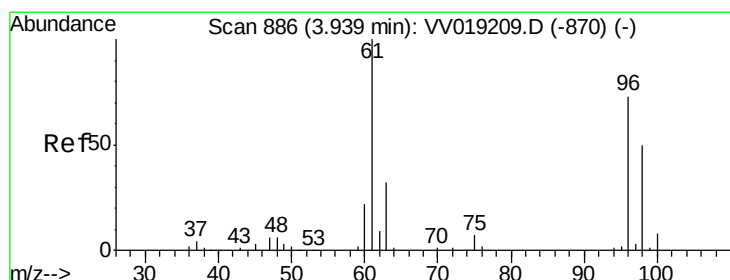
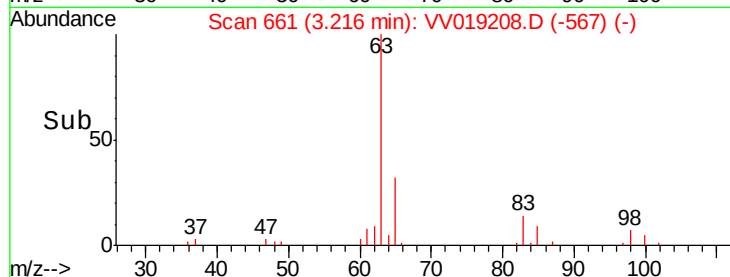
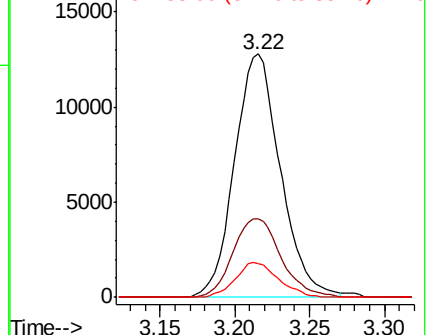
63 100

65 32.4 21.8 40.6

83 14.0 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: 9.196 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

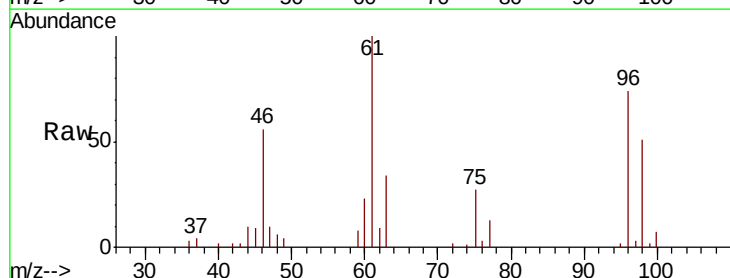
Tgt Ion: 96 Resp: 15232

Ion Ratio Lower Upper

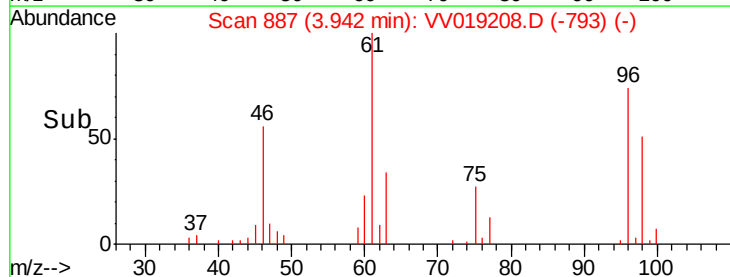
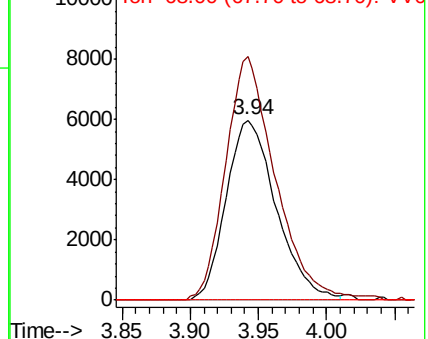
96 100

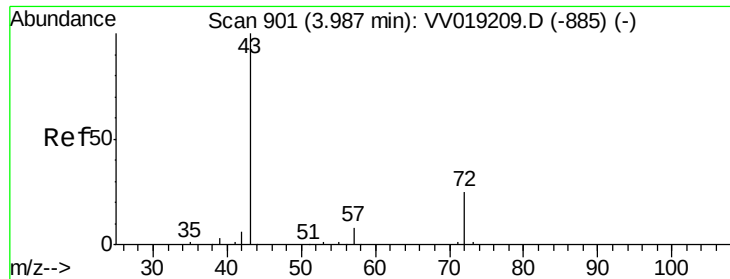
61 135.4 95.6 177.6

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: 15.885 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.02 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

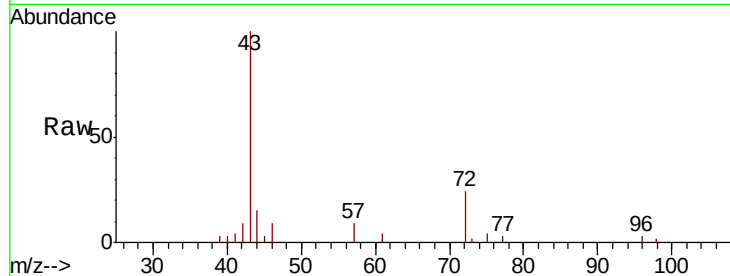
VSTD010303

Tot Ion: 43 Resp: 16135

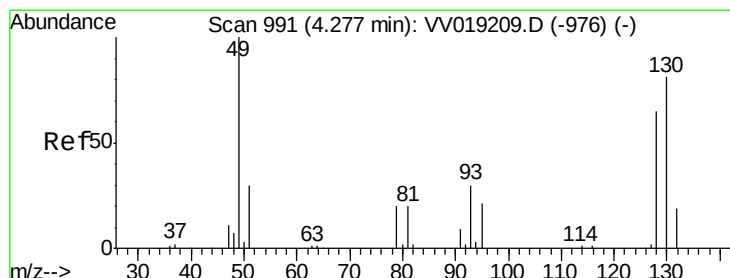
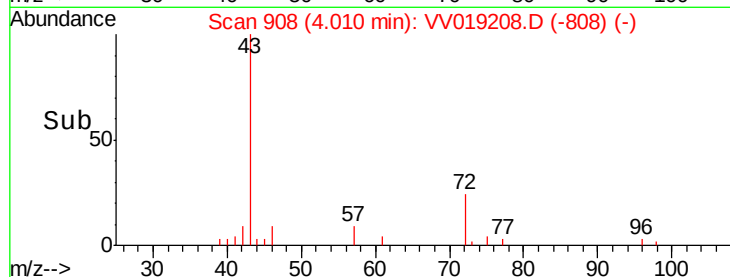
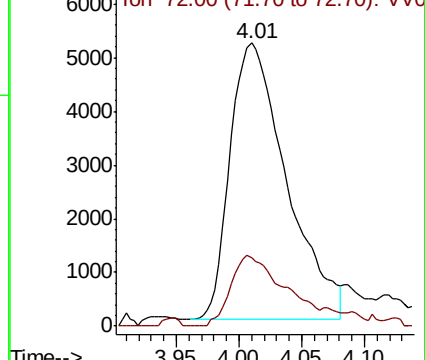
Ion Ratio Lower Upper

43 100

72 24.4 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV019209.D (-885) (-)



#23

Bromochloromethane

Concen: 10.320 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Tgt Ion: 128 Resp: 8640

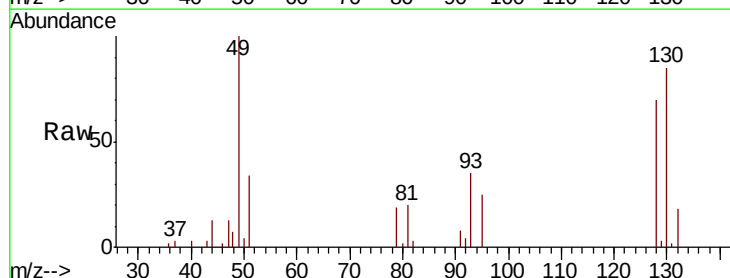
Ion Ratio Lower Upper

128 100

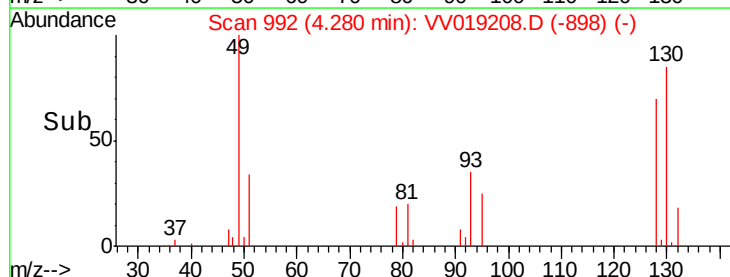
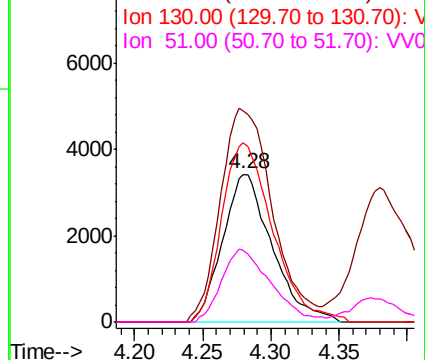
49 143.4 108.8 202.2

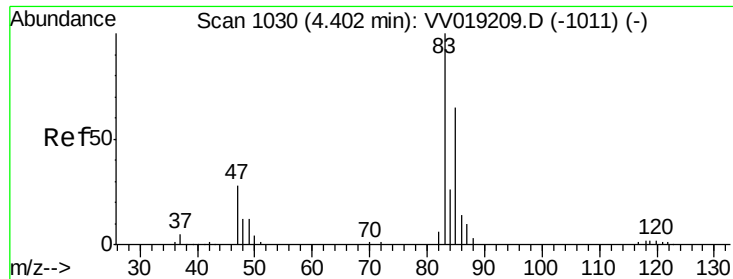
130 121.5 88.5 164.3

51 48.8 37.8 56.6



Abundance Ion 128.00 (127.70 to 128.70): VV019208.D (-898) (-)

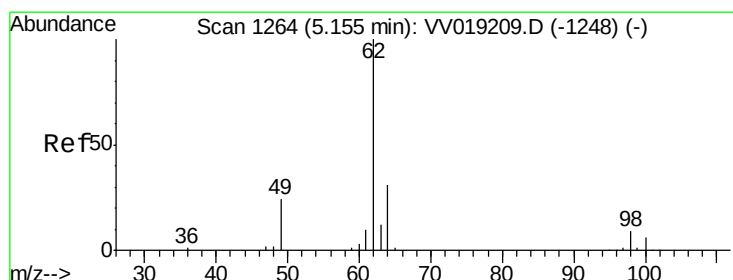
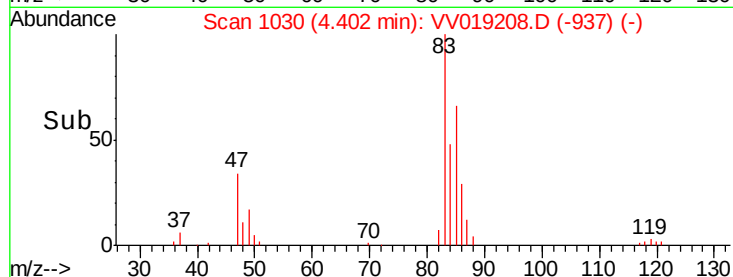
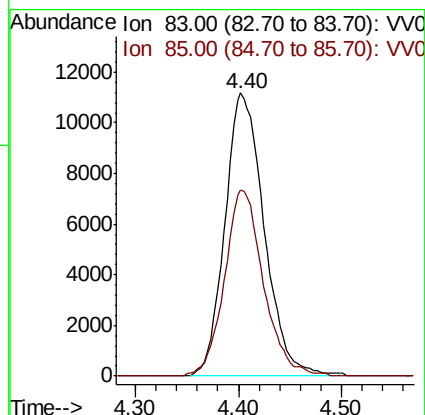
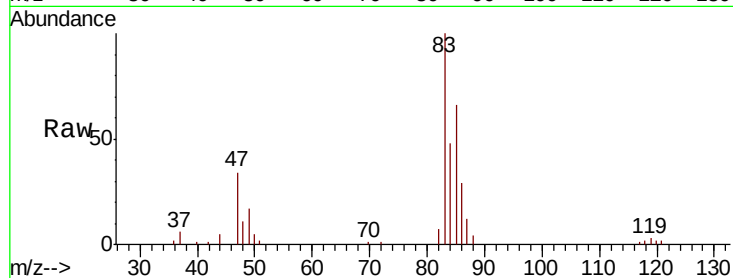




#25
Chloroform
Concen: 10.181 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

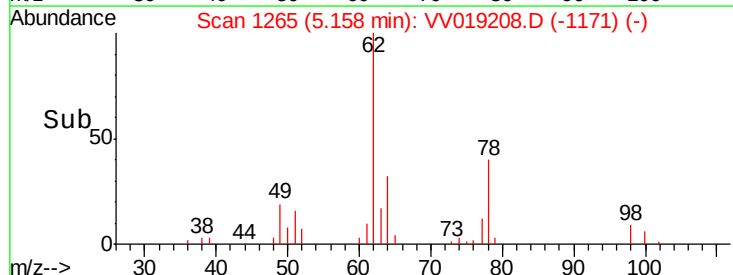
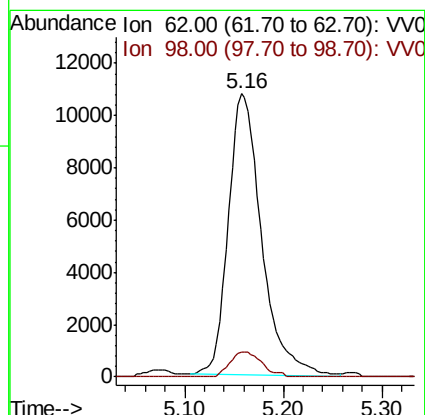
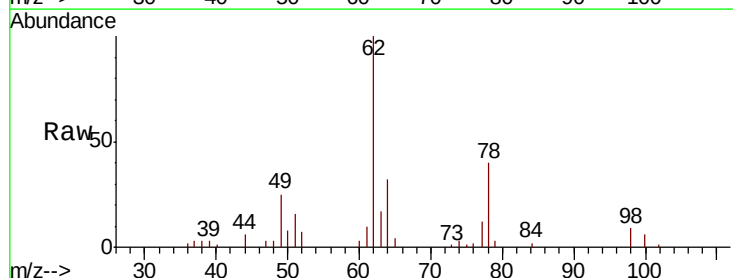
Instrument :
MSVOA_V
ClientSampleId :
VSTD010303

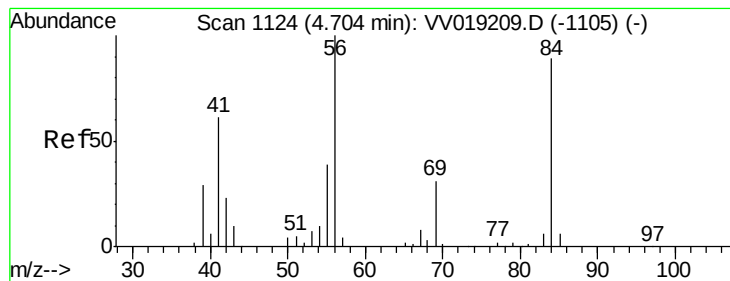
Tot Ion: 83 Resp: 29609
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 11.426 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Tgt Ion: 62 Resp: 25520
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2





#29

Cyclohexane

Concen: 8.880 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD010303

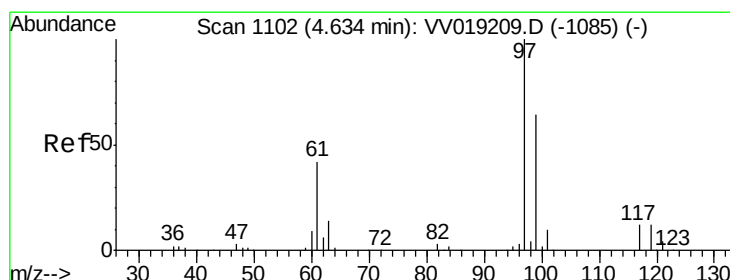
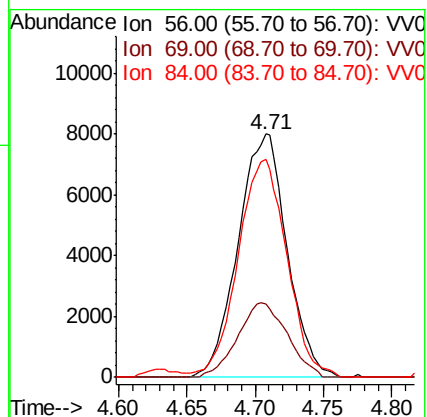
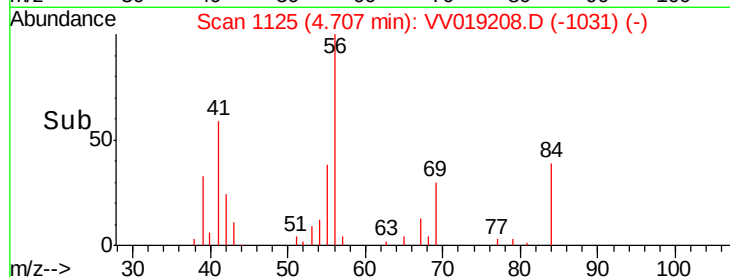
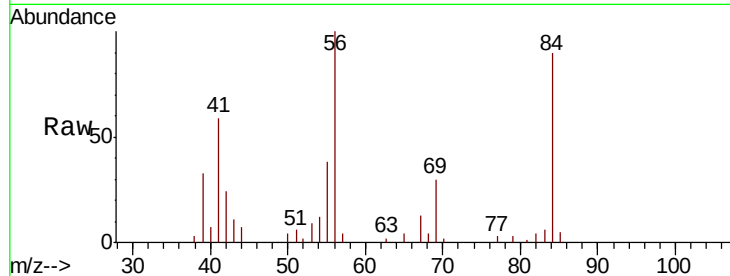
Tot Ion: 56 Resp: 19942

Ion Ratio Lower Upper

56 100

69 30.9 24.6 36.8

84 89.5 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 10.351 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

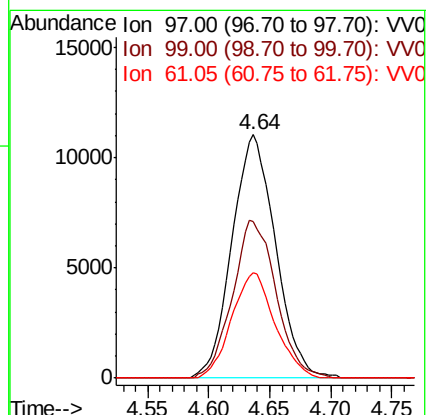
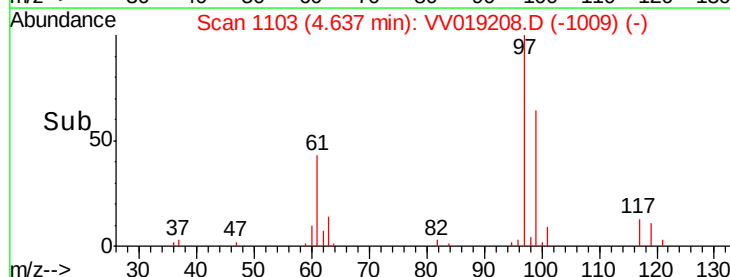
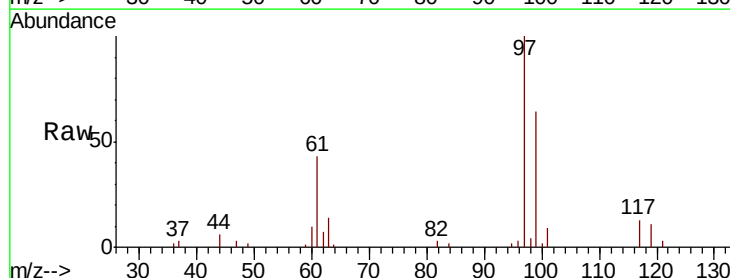
Tgt Ion: 97 Resp: 27402

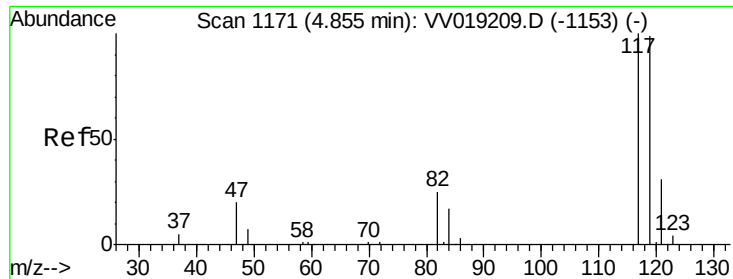
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 42.9 35.3 52.9

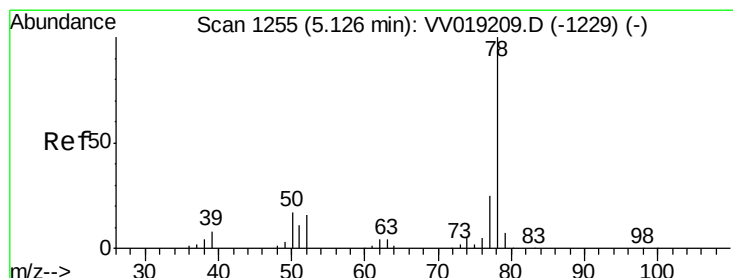
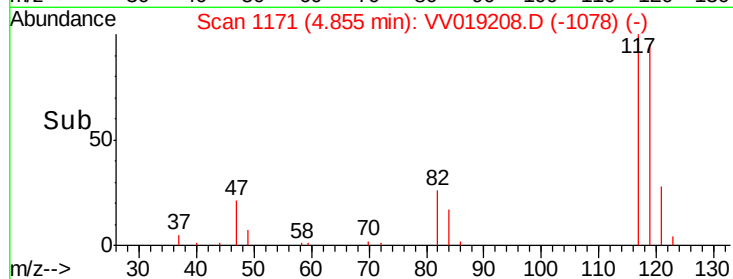
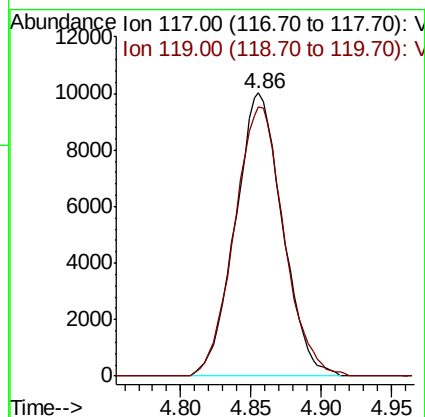
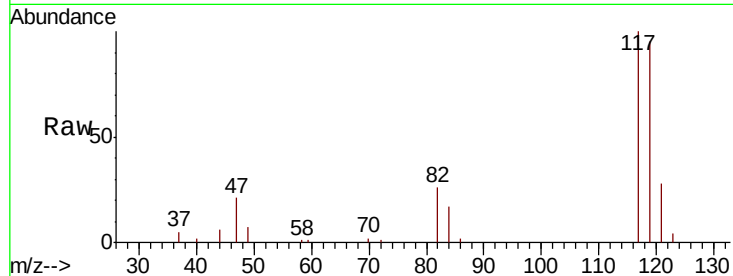




#31
Carbon tetrachloride
Concen: 9.964 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

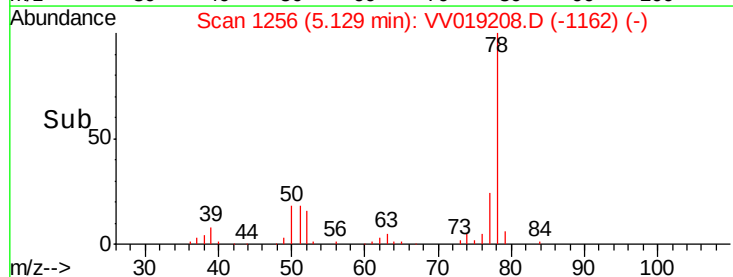
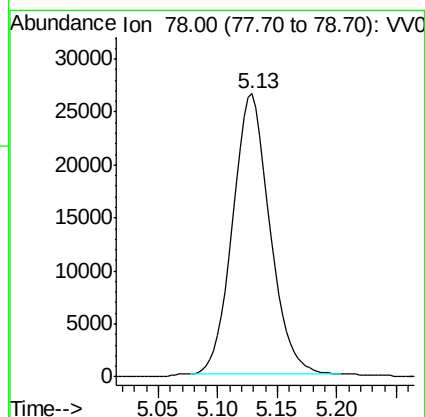
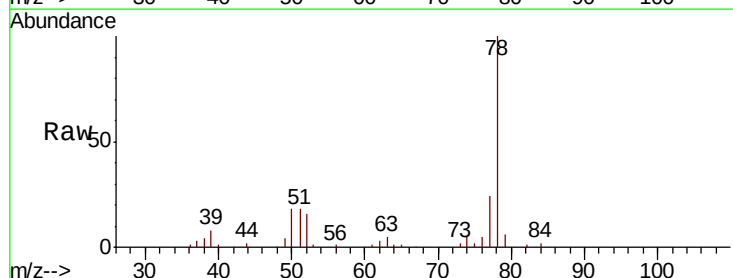
Instrument :
MSVOA_V
ClientSampleId :
VSTD010303

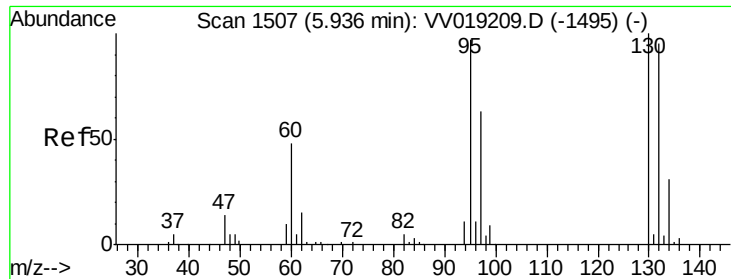
Tot Ion:117 Resp: 23429
Ion Ratio Lower Upper
117 100
119 99.6 77.8 116.6



#33
Benzene
Concen: 9.455 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Tgt Ion: 78 Resp: 57274





#34

Trichloroethene

Concen: 9.498 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD010303

Tot Ion: 95 Resp: 15705

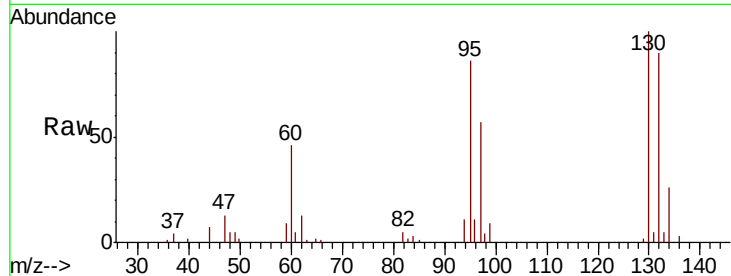
Ion Ratio Lower Upper

95 100

97 66.4 45.4 84.4

132 103.9 68.5 127.3

130 116.0 72.0 133.6

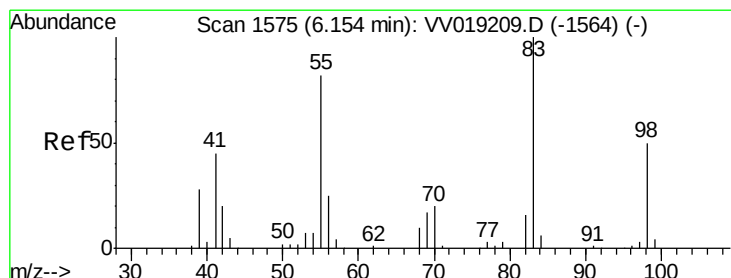
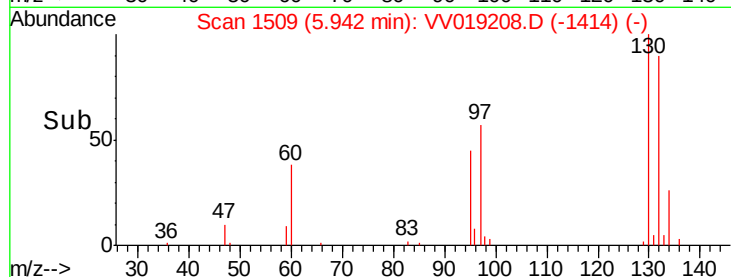
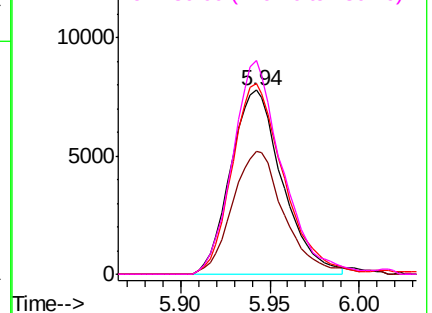


Abundance Ion 95.00 (94.70 to 95.70): VV019209.D (-1495) (-)

Ion 97.00 (96.70 to 97.70): VV019209.D (-1495) (-)

Ion 132.00 (131.70 to 132.70): VV019209.D (-1495) (-)

Ion 130.00 (129.70 to 130.70): VV019209.D (-1495) (-)



#35

Methylcyclohexane

Concen: 7.572 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

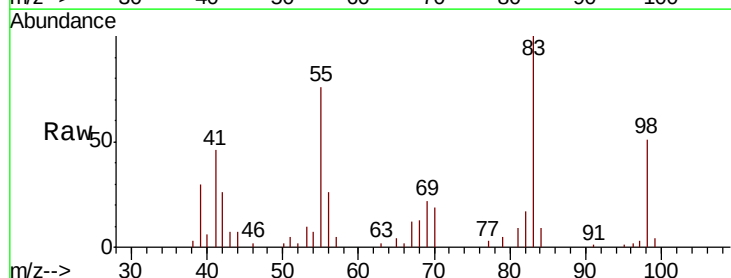
Tgt Ion: 83 Resp: 18875

Ion Ratio Lower Upper

83 100

55 82.3 62.8 94.2

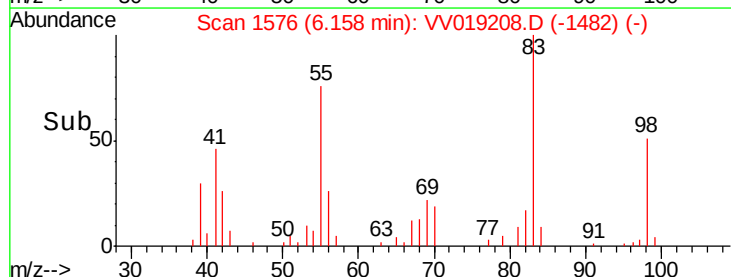
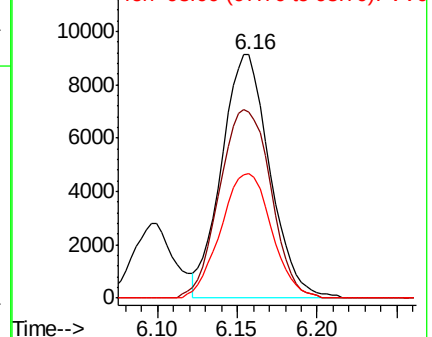
98 53.8 38.6 58.0

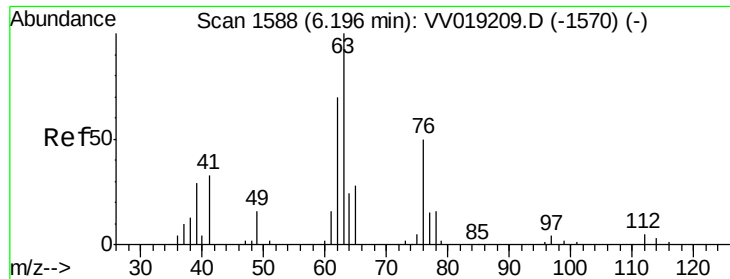


Abundance Ion 83.00 (82.70 to 83.70): VV019209.D (-1564) (-)

Ion 55.00 (54.70 to 55.70): VV019209.D (-1564) (-)

Ion 98.00 (97.70 to 98.70): VV019209.D (-1564) (-)

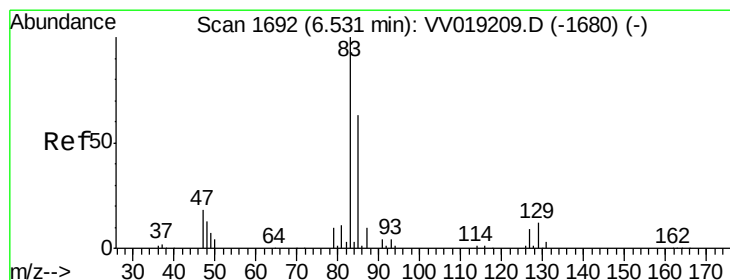
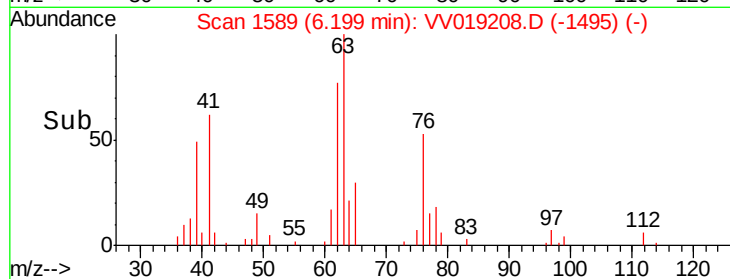
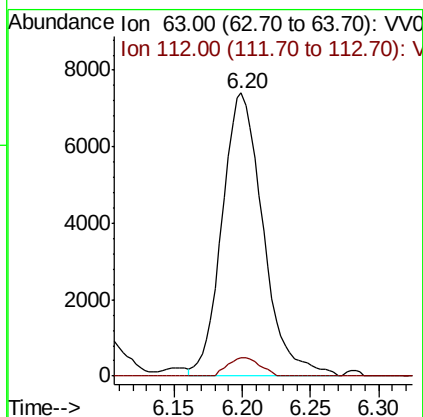
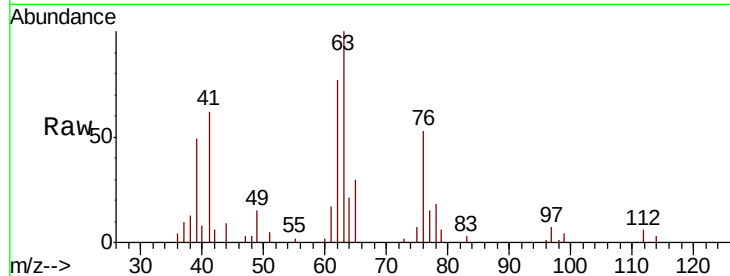




#37
 1,2-Dichloropropane
 Concen: 10.393 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

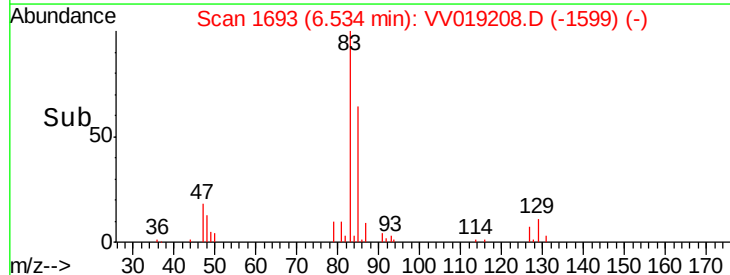
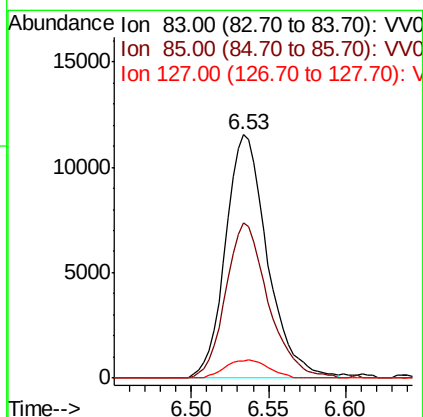
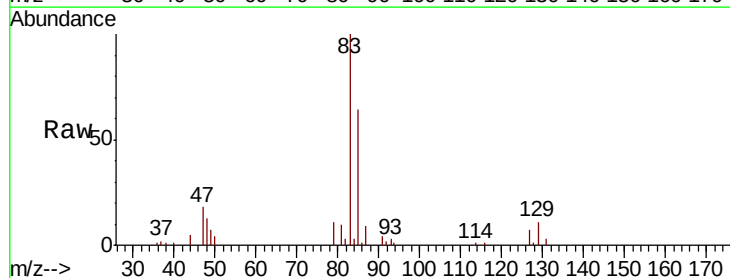
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010303

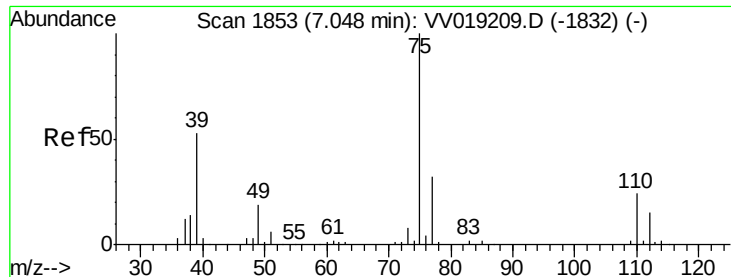
Tot Ion: 63 Resp: 15504
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.2



#38
 Bromodichloromethane
 Concen: 9.384 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Tgt Ion: 83 Resp: 21654
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.0 81.8
 127 7.3 7.3 10.9#

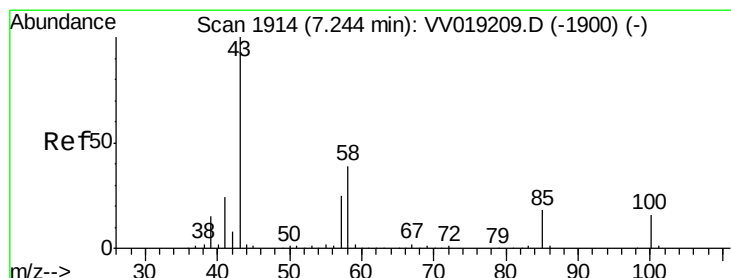
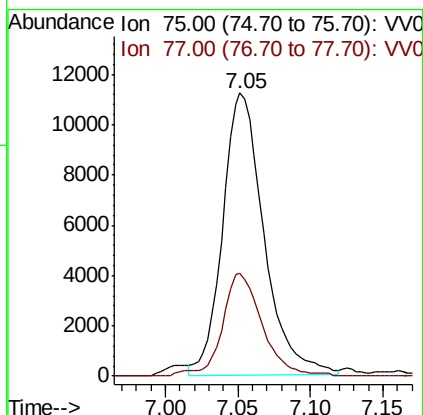
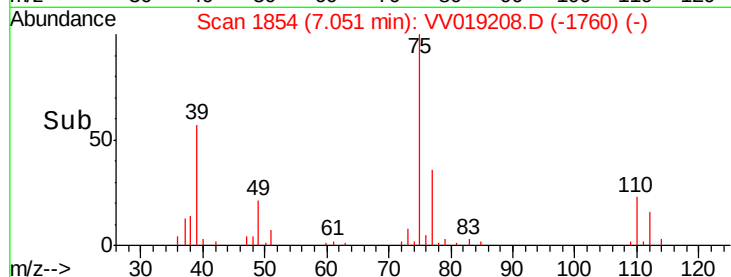
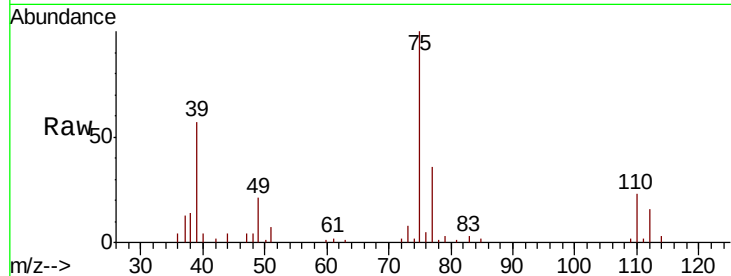




#39
 cis-1,3-Dichloropropene
 Concen: 8.493 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

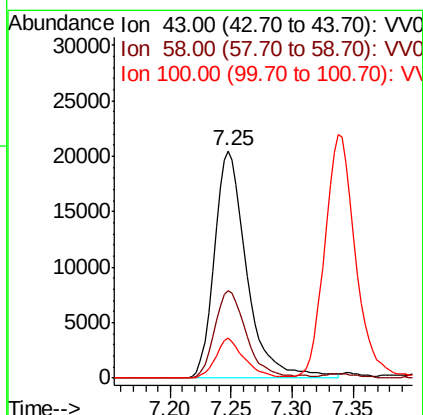
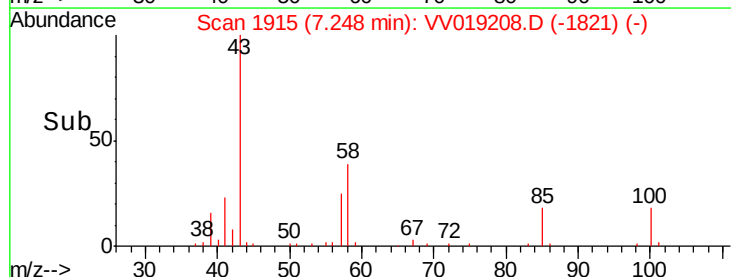
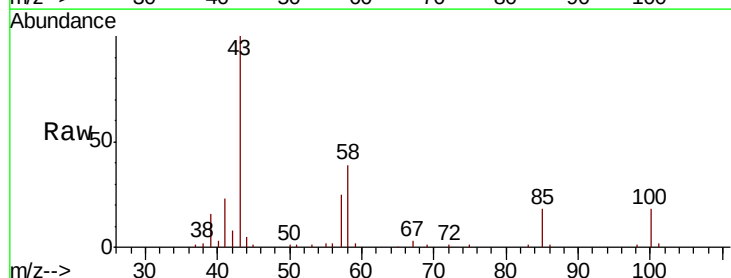
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010303

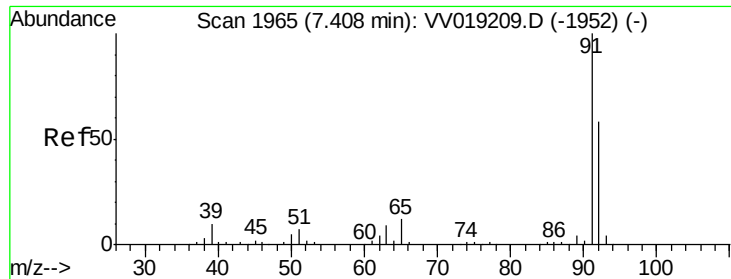
Tot Ion: 75 Resp: 22080
 Ion Ratio Lower Upper
 75 100
 77 36.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 19.865 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Tgt Ion: 43 Resp: 38114
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.5 45.7
 100 15.6 12.7 19.1





#42

Toluene

Concen: 9.378 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

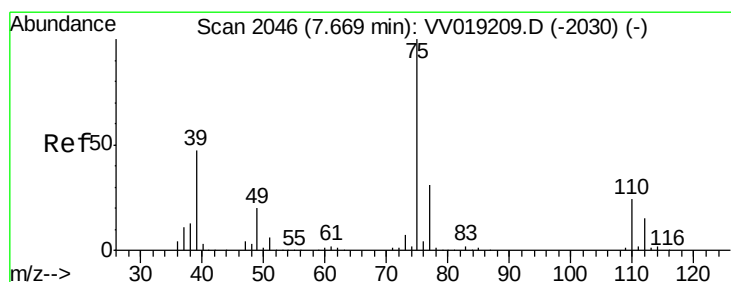
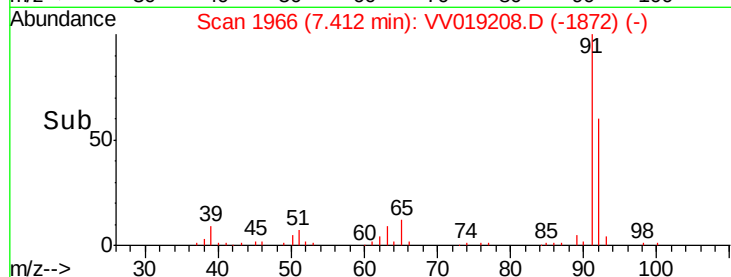
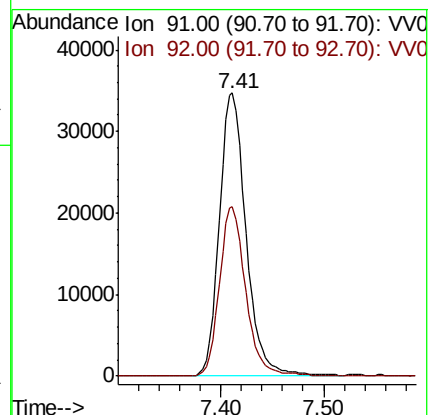
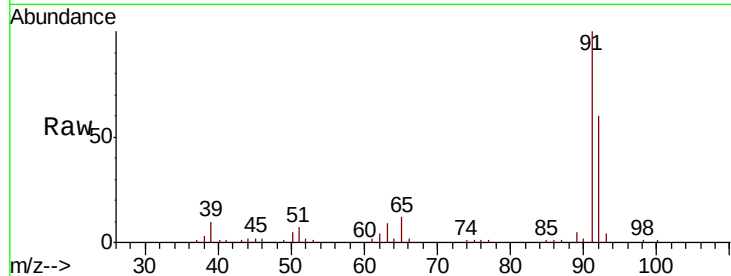
VSTD010303

Tot Ion: 91 Resp: 62393

Ion Ratio Lower Upper

91 100

92 60.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 9.486 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019208.D

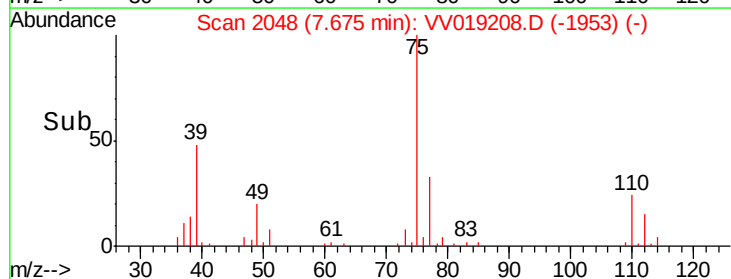
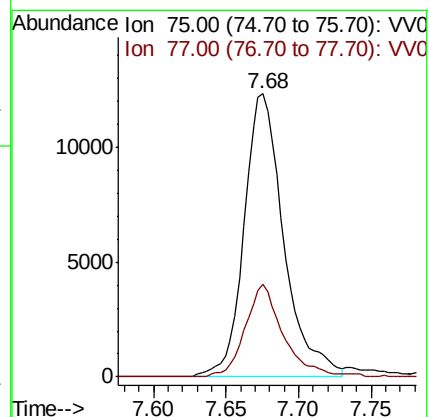
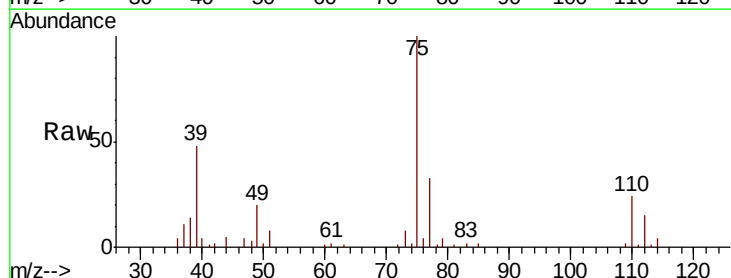
Acq: 02 Nov 2020 18:35

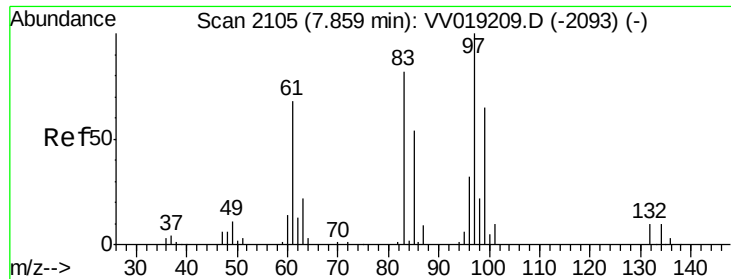
Tgt Ion: 75 Resp: 23514

Ion Ratio Lower Upper

75 100

77 32.6 21.6 40.2

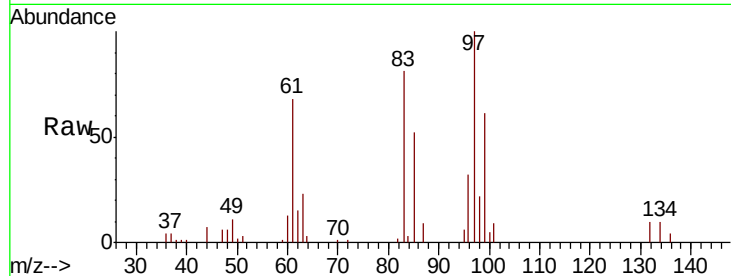




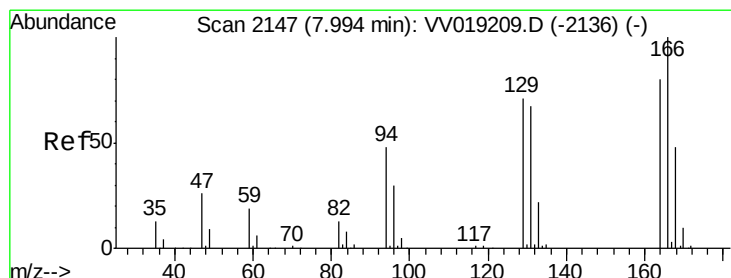
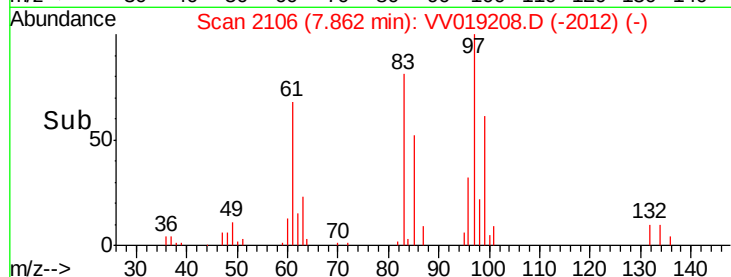
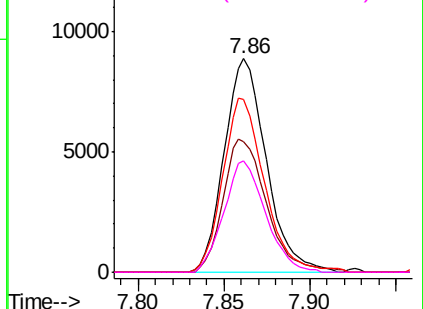
#45
1,1,2-Trichloroethane
Concen: 9.604 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD010303

Tot Ion:	97	Resp:	15202
Ion	Ratio	Lower	Upper
97	100		
99	60.9	45.1	83.9
83	80.7	57.6	107.0
85	51.9	37.8	70.2

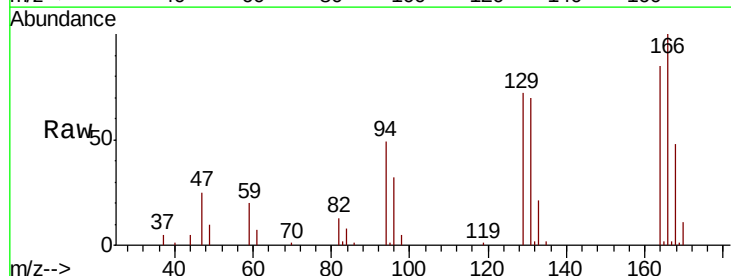


Abundance Ion 97.00 (96.70 to 97.70): VV019209.D (-2093) (-)

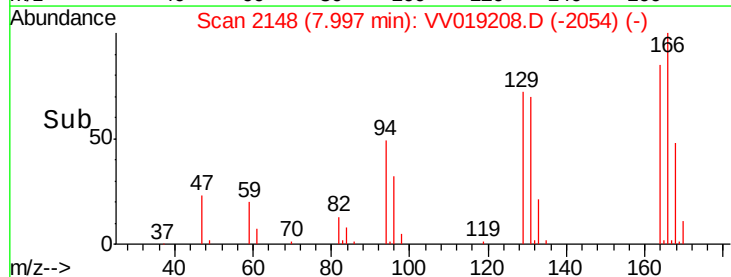
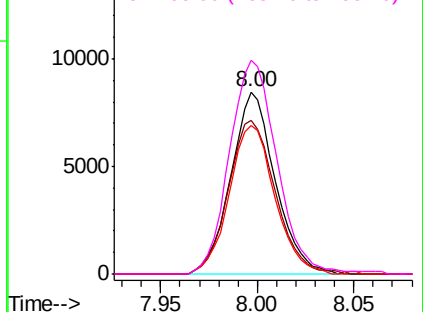


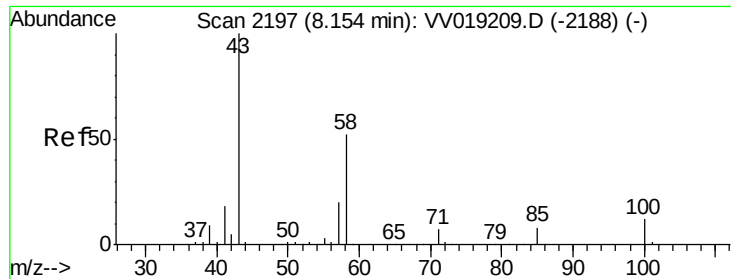
#46
Tetrachloroethene
Concen: 10.136 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Tgt Ion:	164	Resp:	13484
Ion	Ratio	Lower	Upper
164	100		
129	84.4	62.6	116.3
131	81.7	59.0	109.6
166	117.5	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV019209.D (-2136) (-)

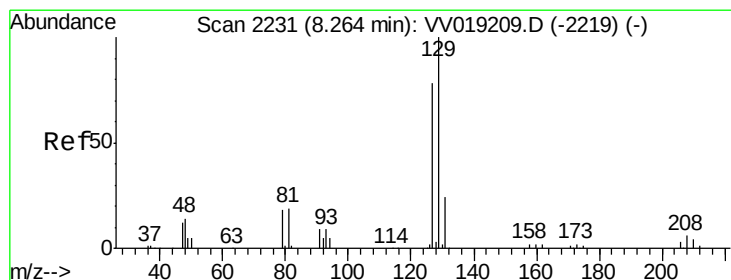
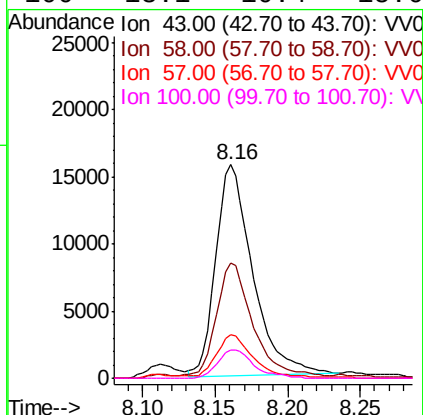
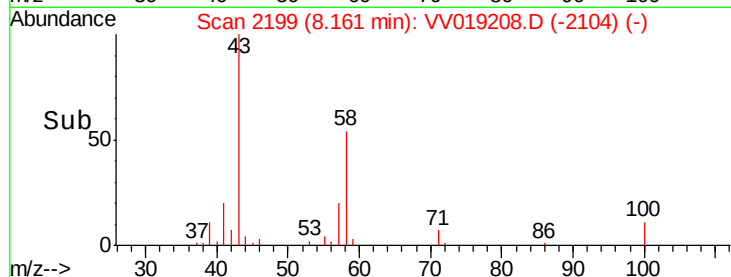
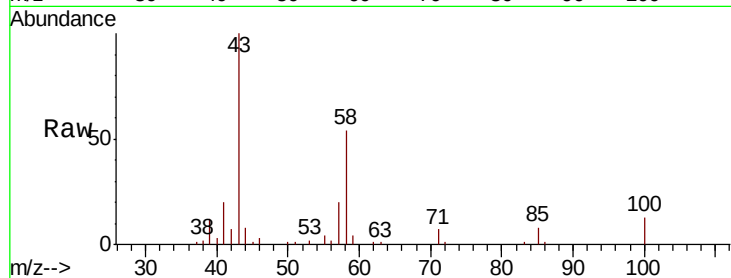




#48
2-Hexanone
Concen: 18.763 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

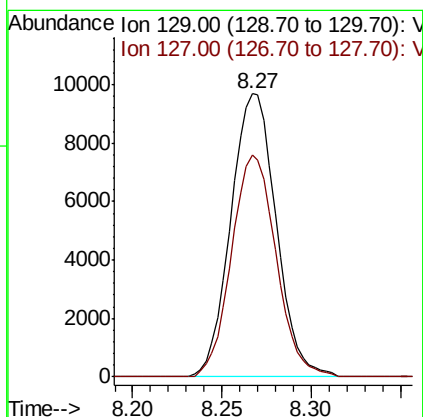
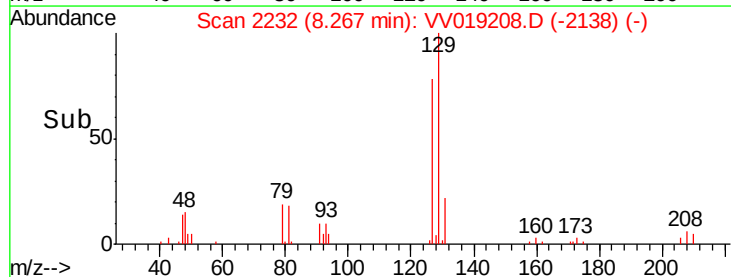
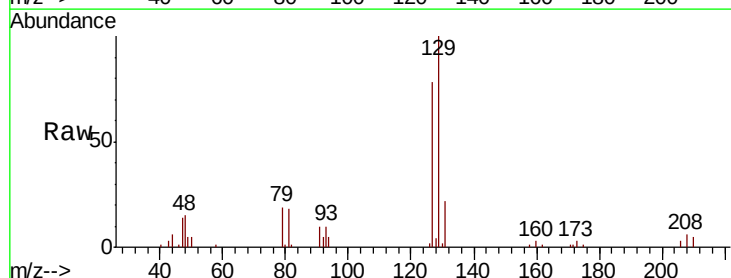
Instrument :
MSVOA_V
ClientSampleId :
VSTD010303

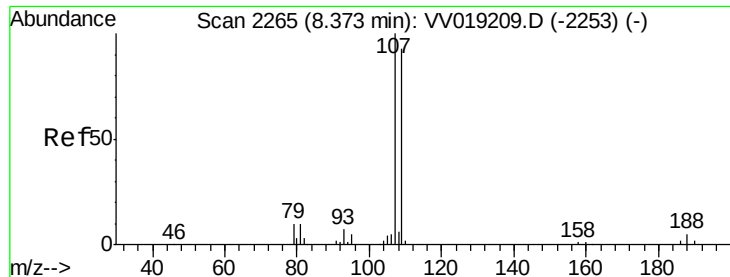
Tot Ion: 43 Resp: 27825
Ion Ratio Lower Upper
43 100
58 53.7 42.6 63.8
57 19.3 15.8 23.8
100 13.1 10.4 15.6



#49
Dibromochloromethane
Concen: 8.982 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Tgt Ion: 129 Resp: 17174
Ion Ratio Lower Upper
129 100
127 78.3 54.4 101.0

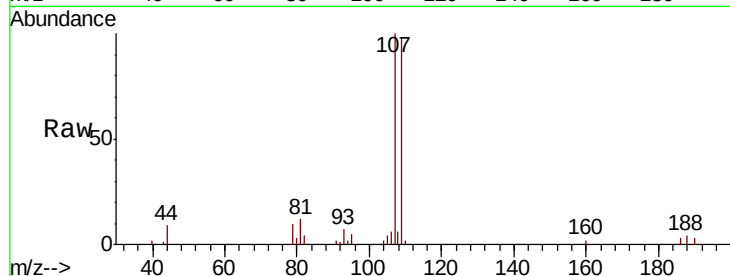




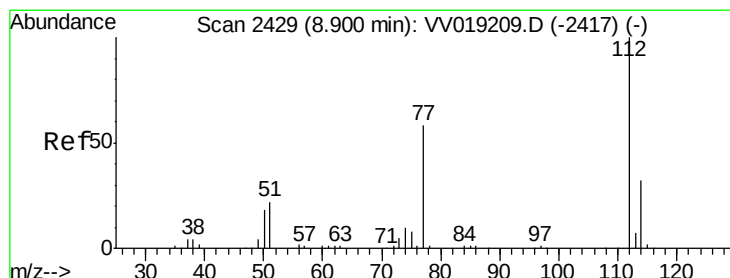
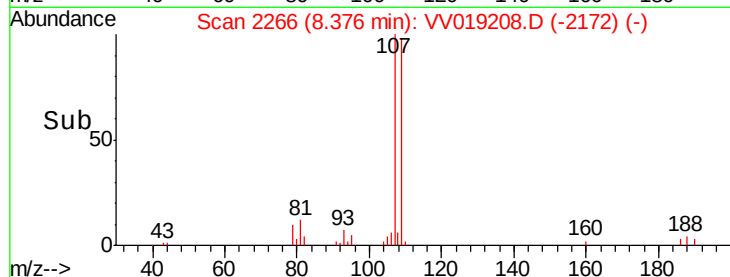
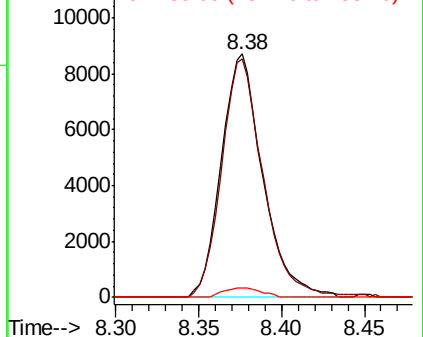
#50
 1,2-Dibromoethane
 Concen: 8.756 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010303

Tot Ion:107 Resp: 15142
 Ion Ratio Lower Upper
 107 100
 109 97.8 64.8 120.4
 188 3.7 3.8 5.8#

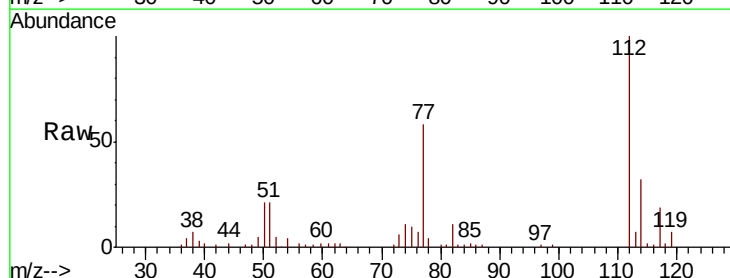


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

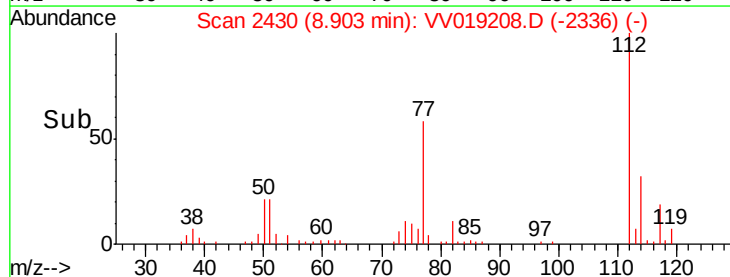
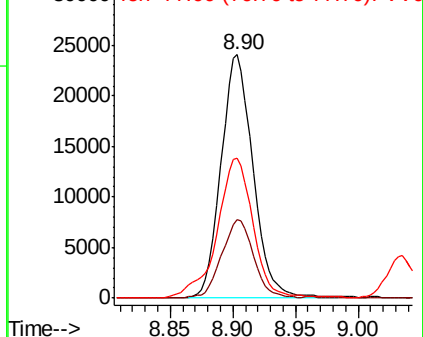


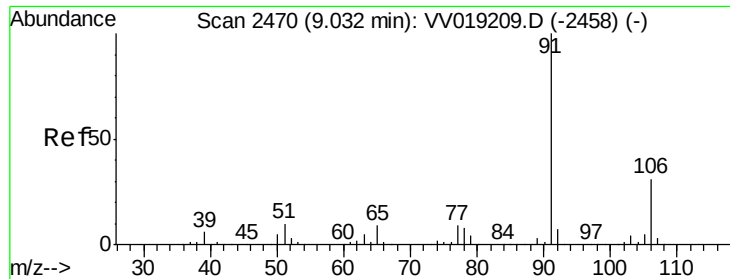
#51
 Chlorobenzene
 Concen: 9.534 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Tgt Ion:112 Resp: 42651
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.7 42.1
 77 57.6 47.3 70.9



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 8.969 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

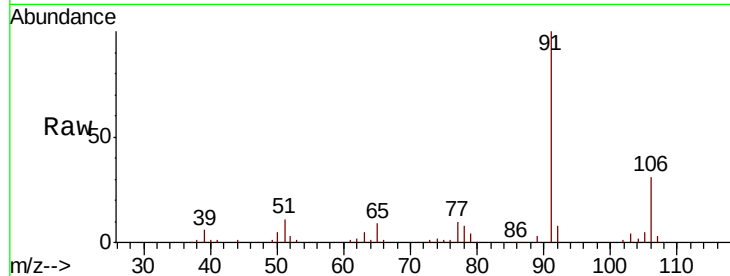
VSTD010303

Tot Ion: 91 Resp: 68223

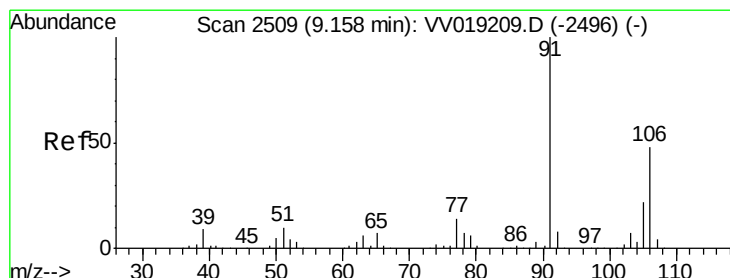
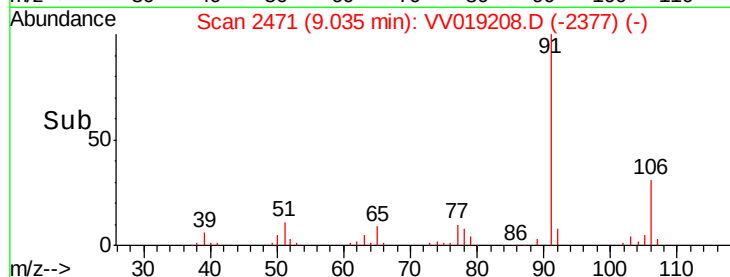
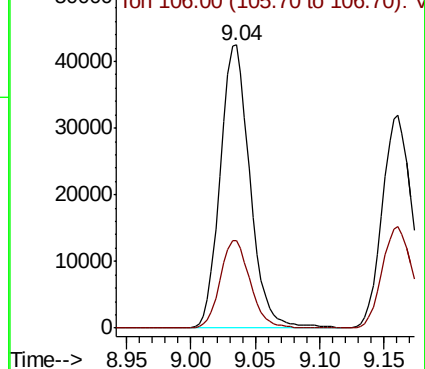
Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019209.D (-2458) (-)



#53

m,p-Xylene

Concen: 8.626 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019208.D

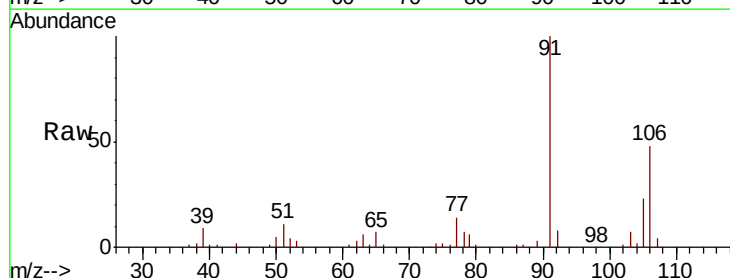
Acq: 02 Nov 2020 18:35

Tgt Ion: 106 Resp: 25338

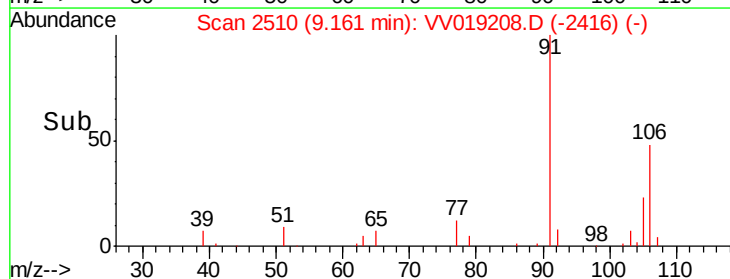
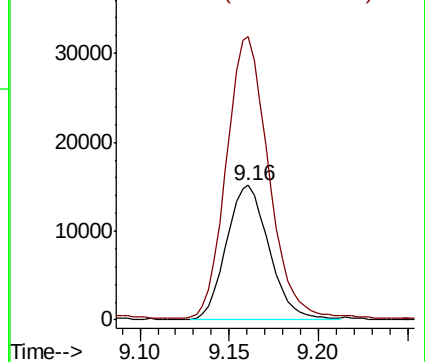
Ion Ratio Lower Upper

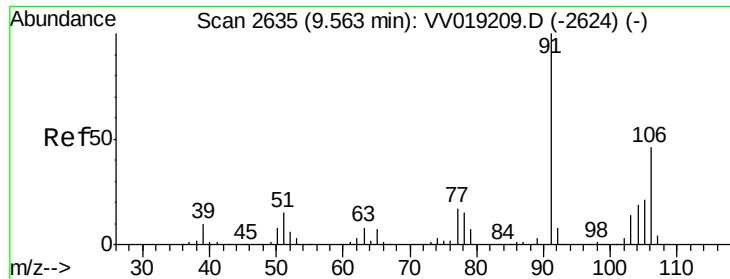
106 100

91 210.1 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019209.D (-2496) (-)

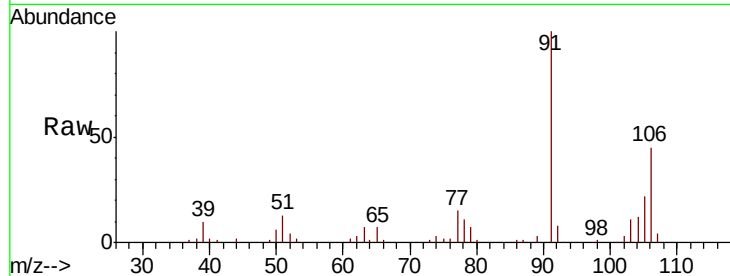




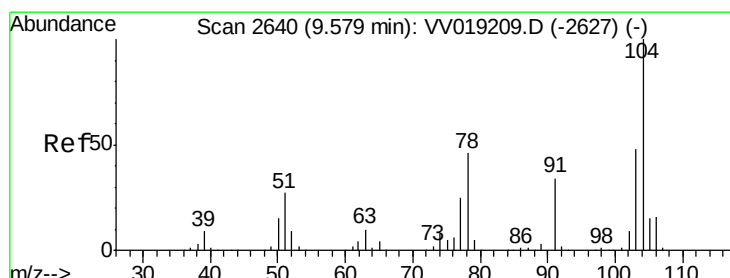
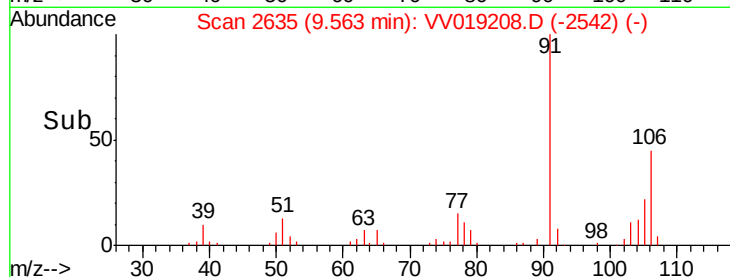
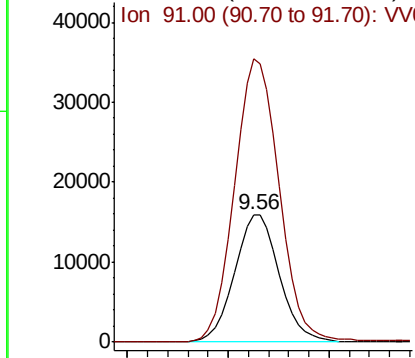
#54
o-Xylene
Concen: 8.753 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD010303

Tot Ion:106 Resp: 24770
Ion Ratio Lower Upper
106 100
91 221.5 151.6 281.6

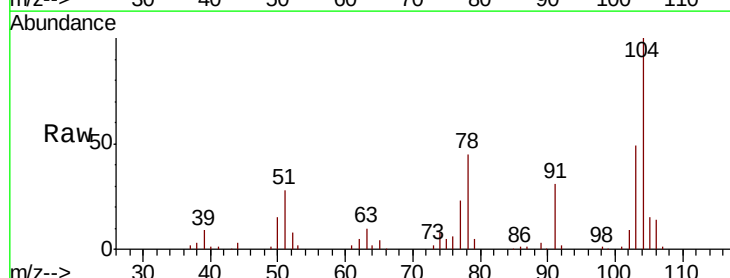


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

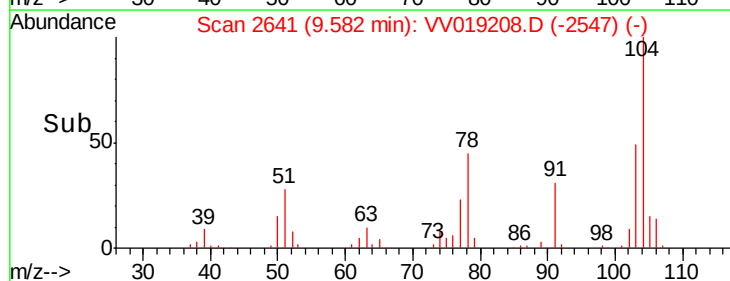
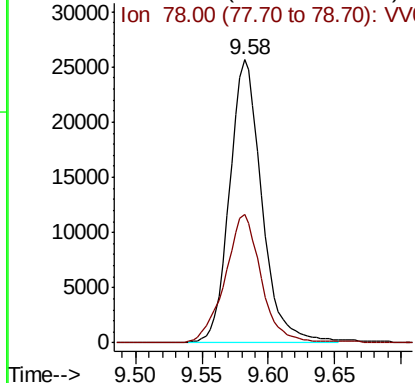


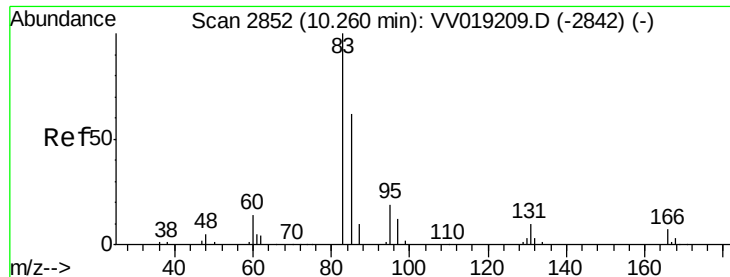
#55
Styrene
Concen: 8.944 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Tgt Ion:104 Resp: 43489
Ion Ratio Lower Upper
104 100
78 45.3 32.6 60.5



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

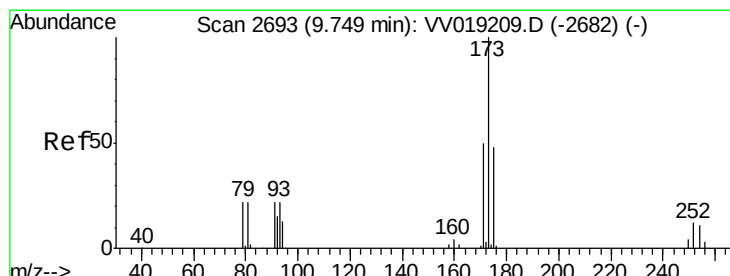
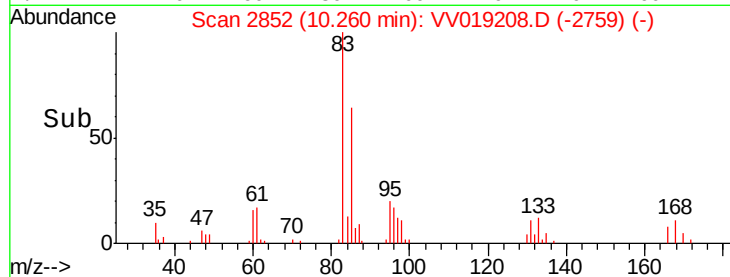
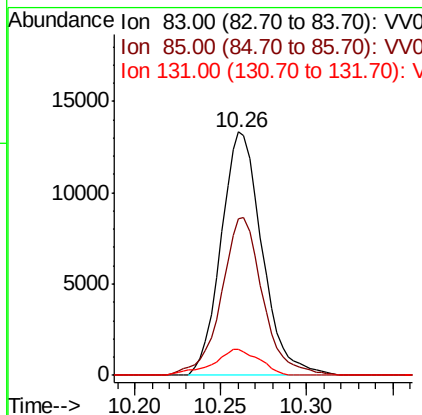
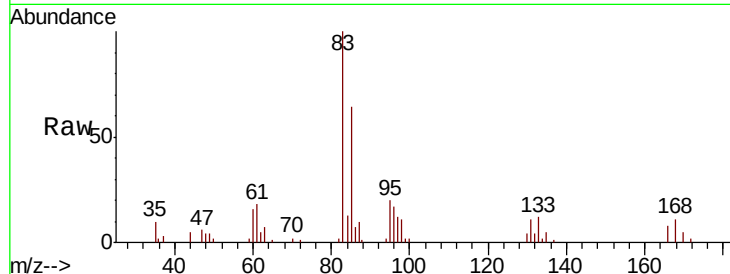




#57
 1,1,2,2-Tetrachloroethane
 Concen: 8.922 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

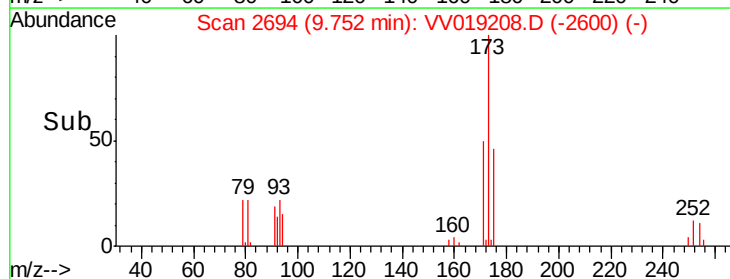
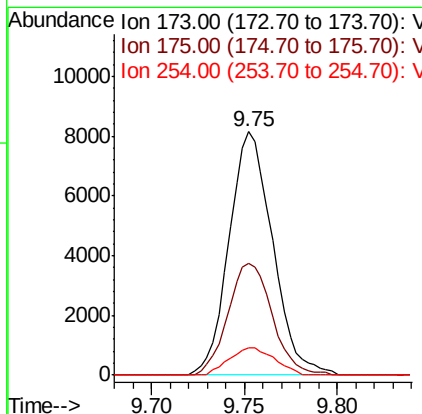
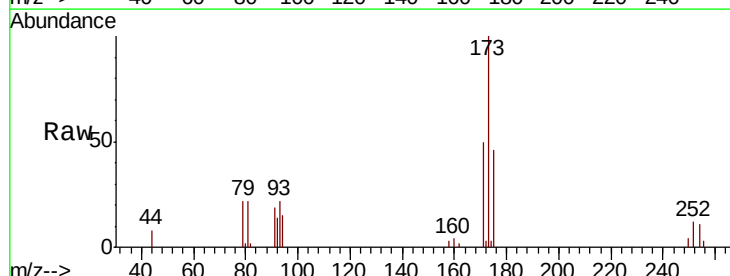
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010303

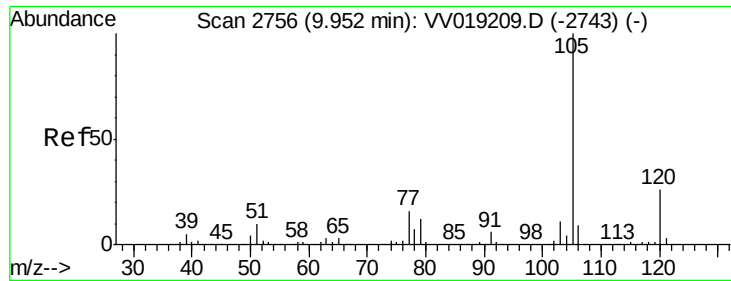
Tot Ion: 83 Resp: 22246
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.0 83.6
 131 10.7 8.9 13.3



#59
 Bromoform
 Concen: 9.336 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Tgt Ion: 173 Resp: 13246
 Ion Ratio Lower Upper
 173 100
 175 46.3 38.4 57.6
 254 11.7 9.0 13.6





#60

Isopropylbenzene

Concen: 8.454 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

Instrument :

MSVOA_V

ClientSampled :

VSTD010303

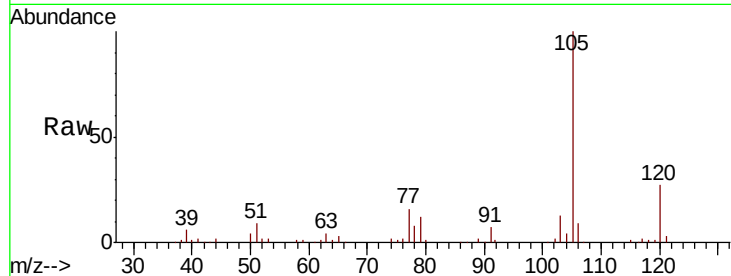
Tot Ion:105 Resp: 65447

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

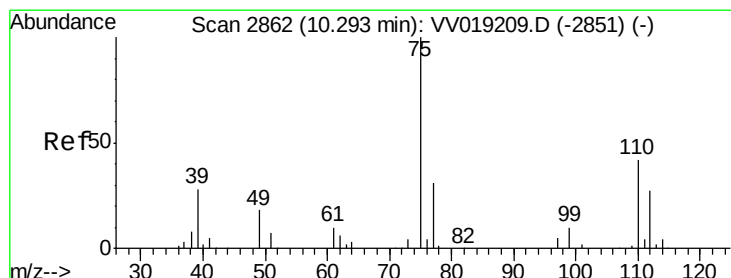
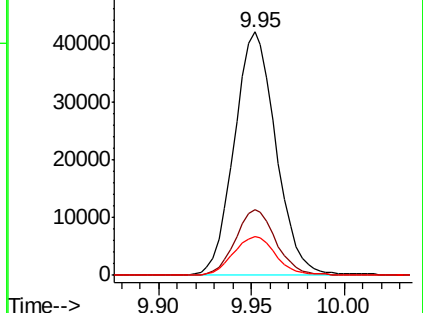
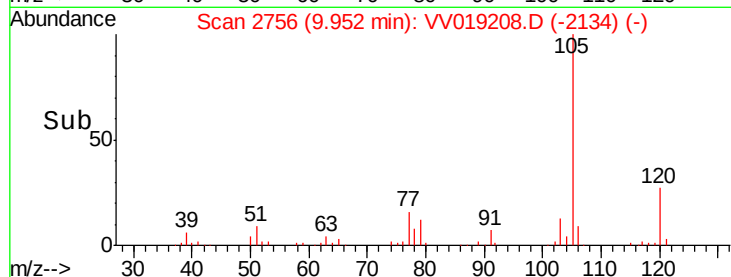
77 16.3 13.0 19.6



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: 9.392 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019208.D

Acq: 02 Nov 2020 18:35

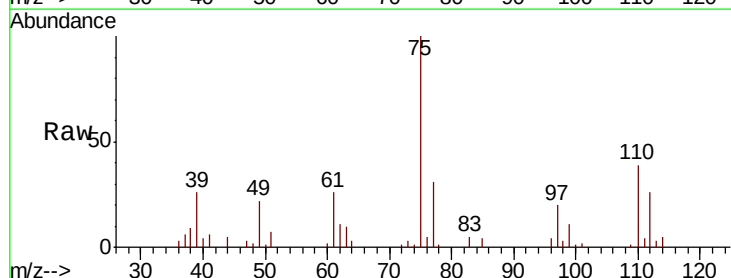
Tgt Ion: 75 Resp: 19365

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

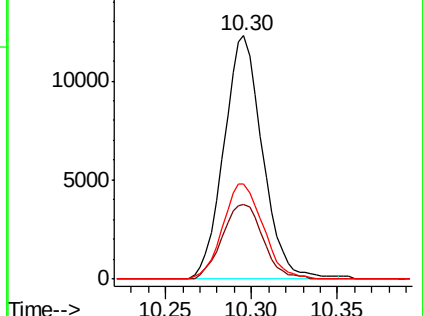
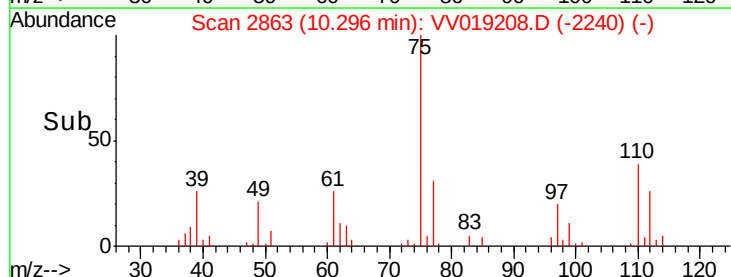
110 40.7 33.4 50.2

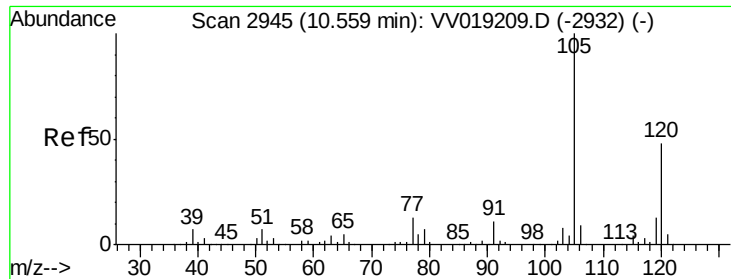


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

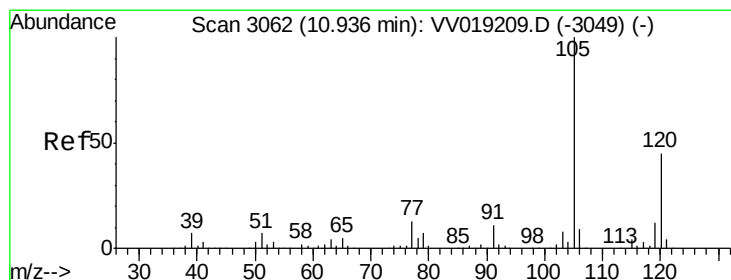
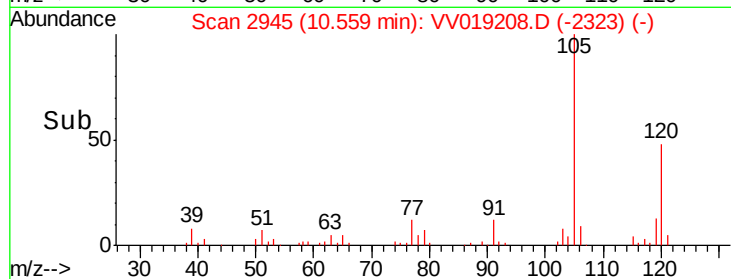
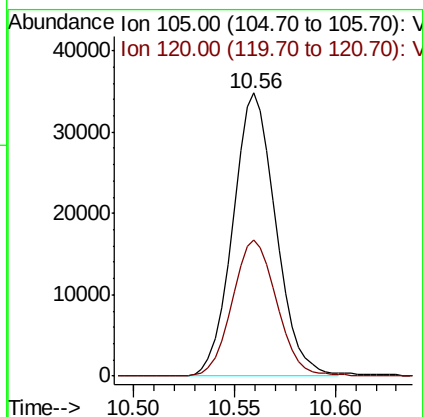
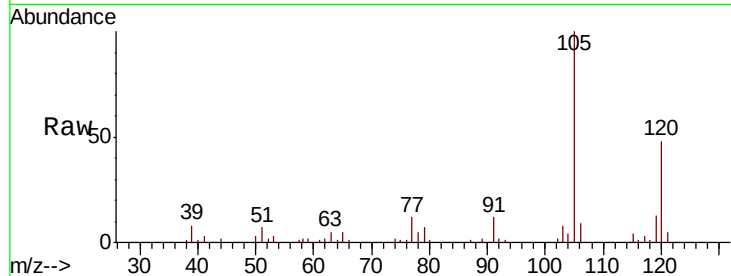




#62
 1,3,5-Trimethylbenzene
 Concen: 7.868 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

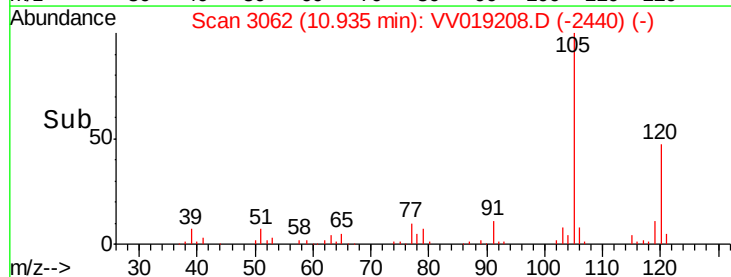
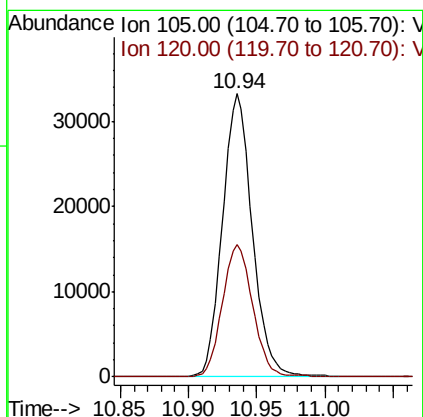
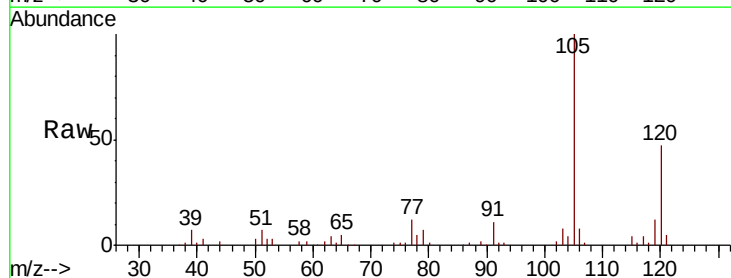
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010303

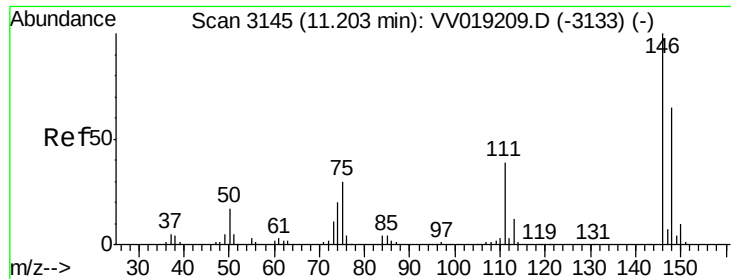
Tot Ion:105 Resp: 51994
 Ion Ratio Lower Upper
 105 100
 120 49.5 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 7.835 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Tgt Ion:105 Resp: 50552
 Ion Ratio Lower Upper
 105 100
 120 47.5 35.7 53.5

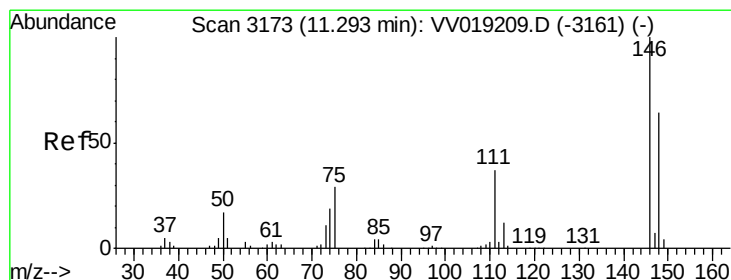
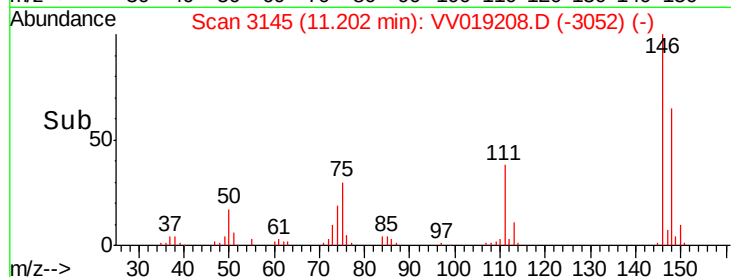
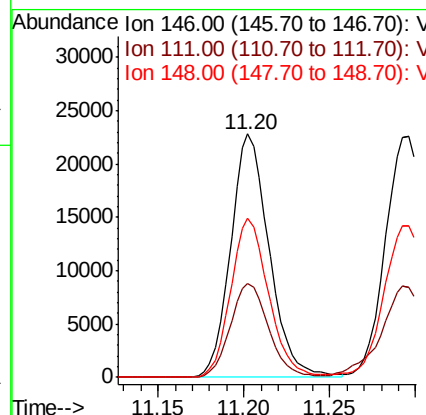
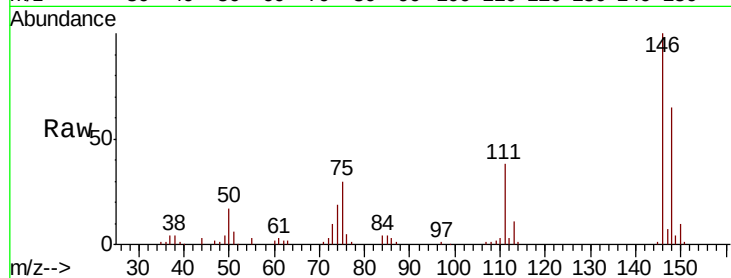




#64
 1,3-Dichlorobenzene
 Concen: 9.473 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

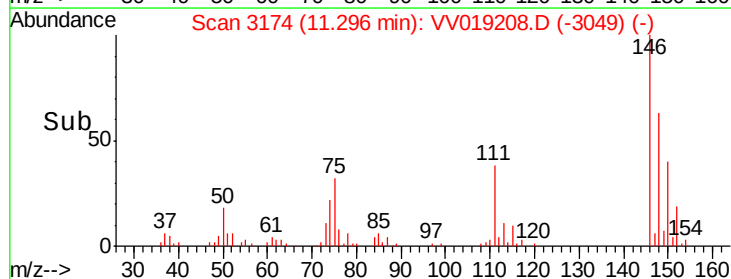
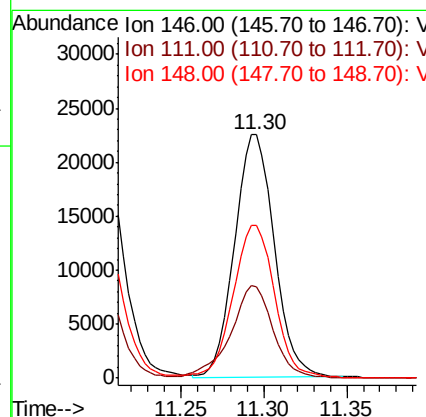
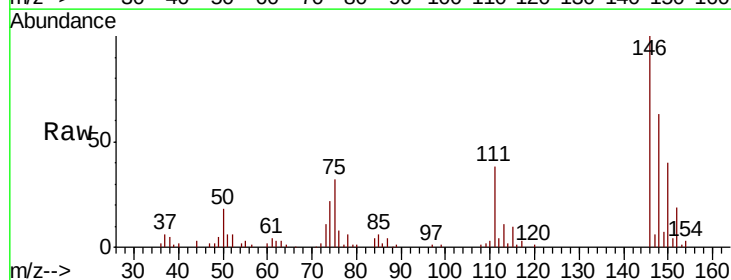
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010303

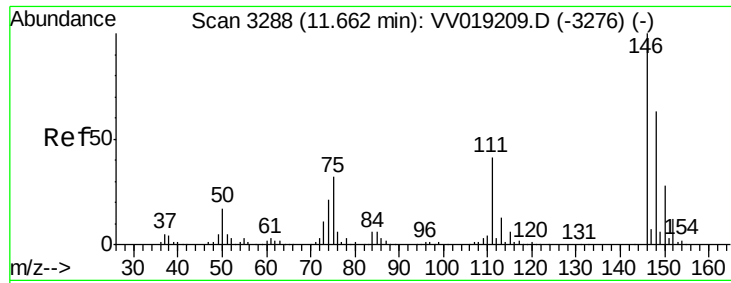
Tot Ion:146 Resp: 35687
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.3 50.7
 148 65.1 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 9.668 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Tgt Ion:146 Resp: 37474
 Ion Ratio Lower Upper
 146 100
 111 37.6 25.9 48.1
 148 62.8 44.9 83.5

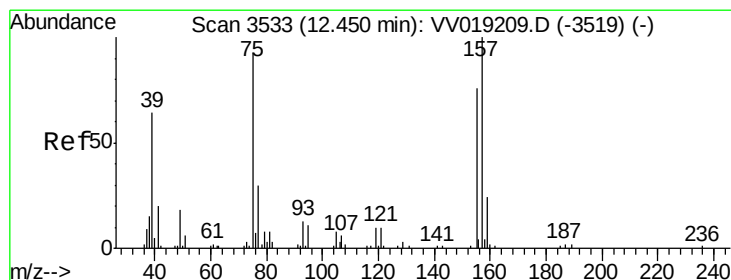
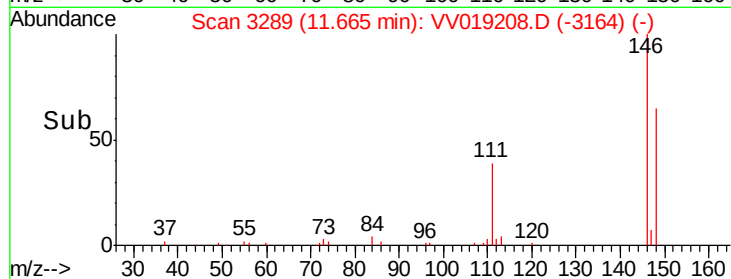
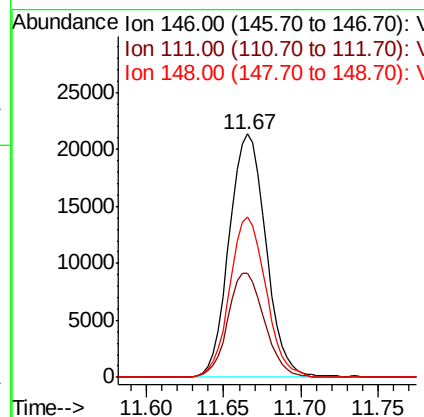
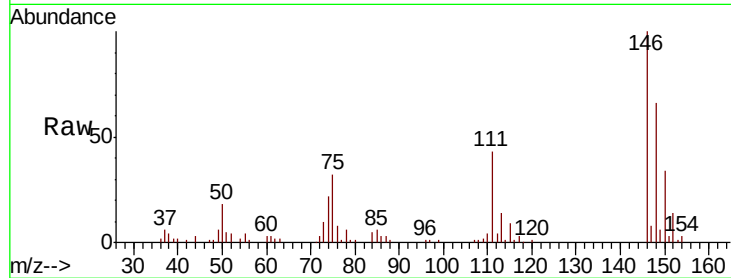




#67
 1,2-Dichlorobenzene
 Concen: 9.471 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

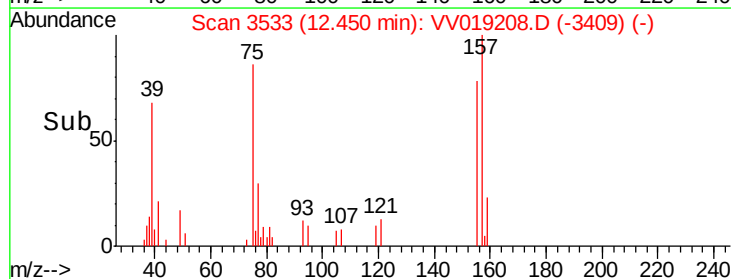
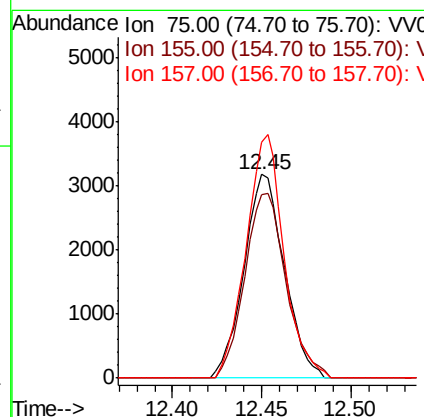
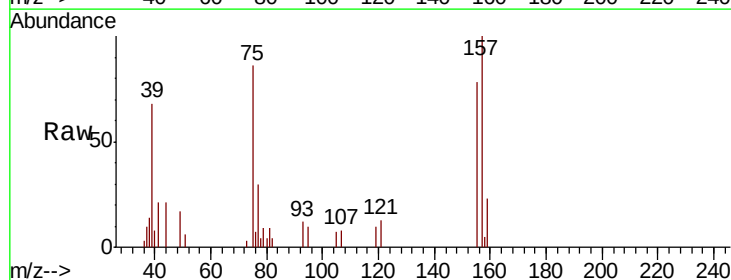
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD010303

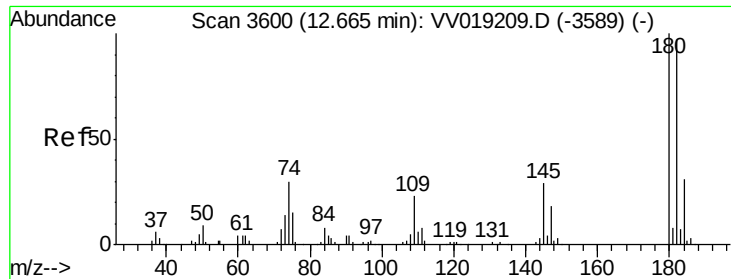
Tot Ion:146 Resp: 35333
 Ion Ratio Lower Upper
 146 100
 111 42.8 32.6 48.8
 148 65.9 50.1 75.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 8.089 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Tgt Ion: 75 Resp: 5029
 Ion Ratio Lower Upper
 75 100
 155 89.9 65.8 98.6
 157 115.9 86.3 129.5

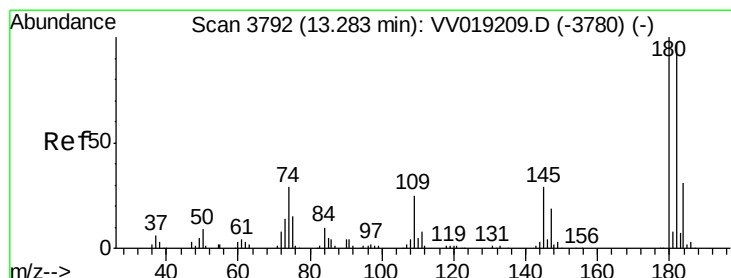
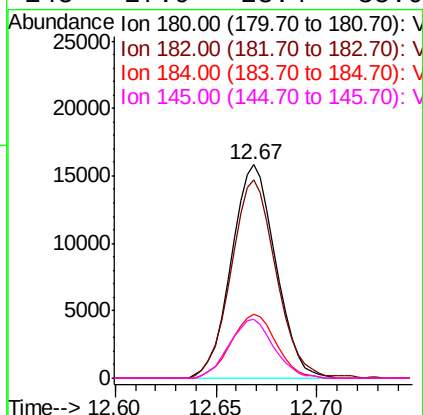
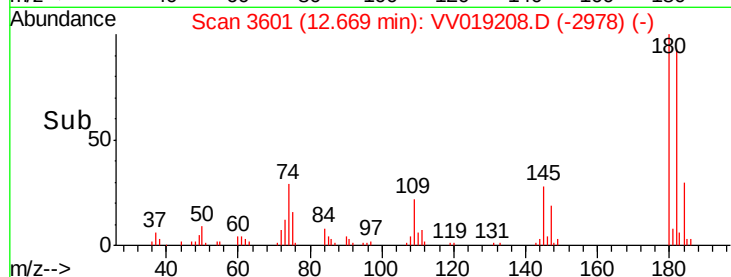
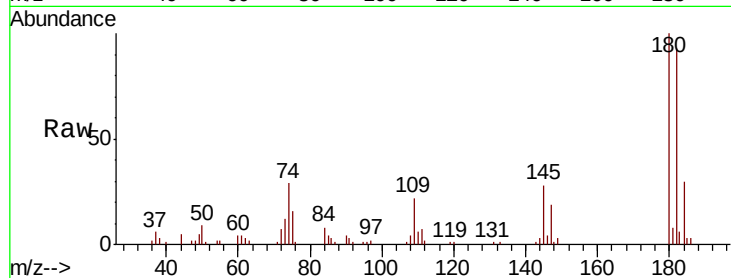




#69
 1,3,5-Trichlorobenzene
 Concen: 8.983 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

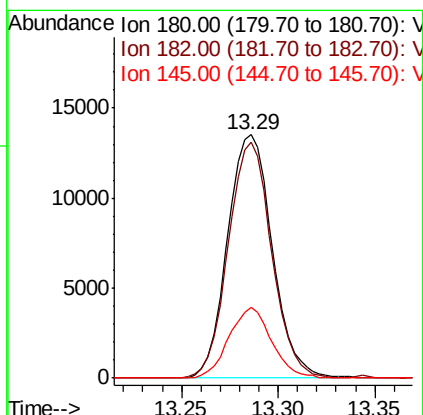
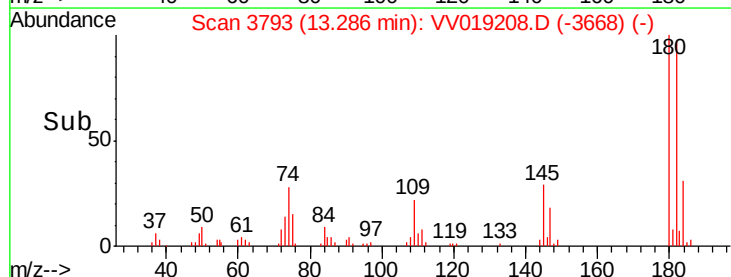
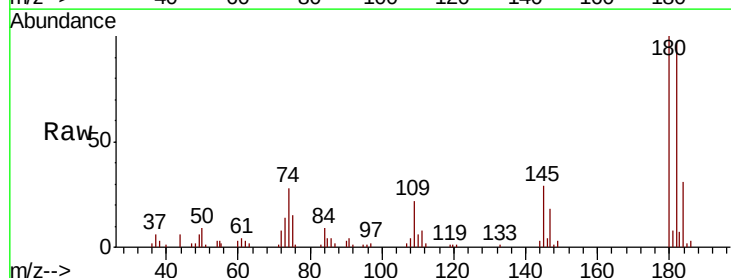
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010303

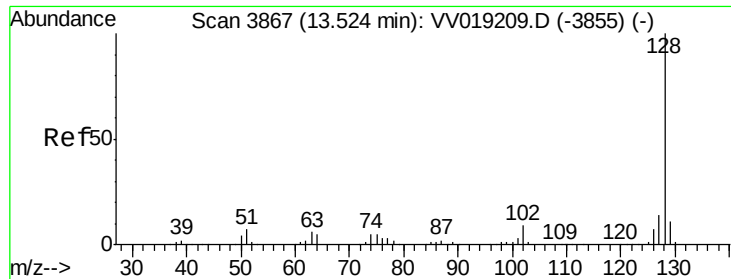
Tot Ion:180	Resp:	24390
Ion	Ratio	Lower Upper
180	100	
182	94.3	77.7 116.5
184	30.5	24.9 37.3
145	27.9	23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 8.810 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019208.D
 Acq: 02 Nov 2020 18:35

Tgt Ion:180	Resp:	21759
Ion	Ratio	Lower Upper
180	100	
182	93.9	76.6 114.8
145	27.5	23.2 34.8

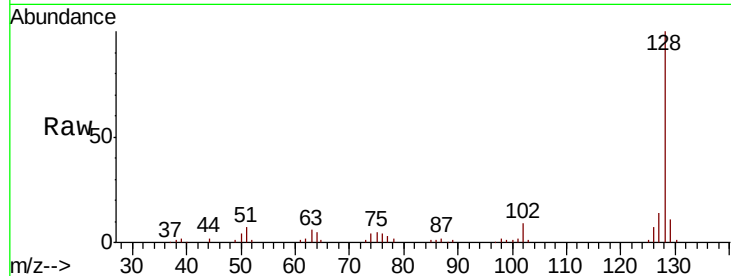




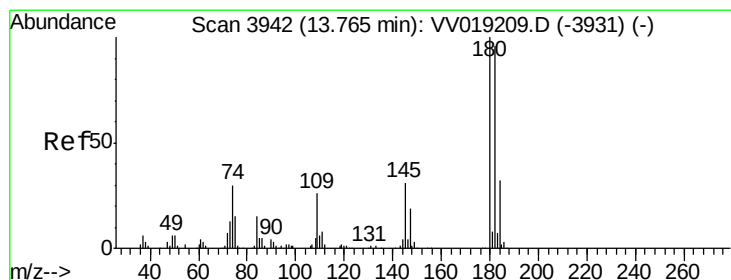
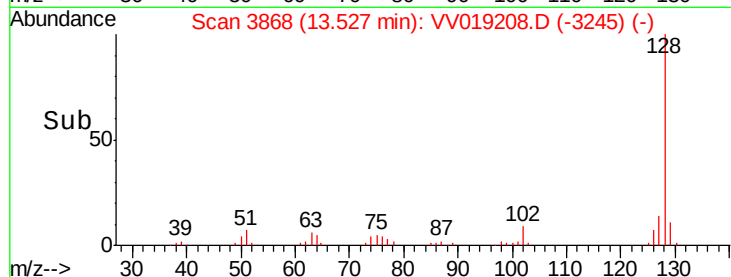
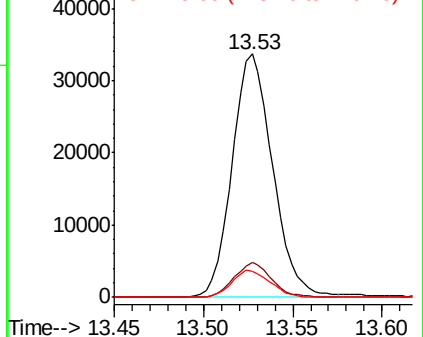
#71
Naphthalene
Concen: 7.148 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD010303

Tot Ion:128 Resp: 53298
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 10.4 8.6 13.0

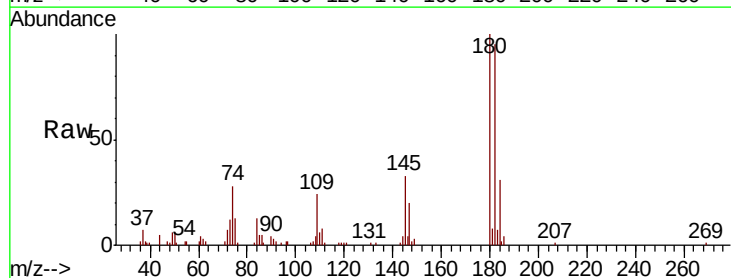


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 9.034 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV019208.D
Acq: 02 Nov 2020 18:35

Tgt Ion:180 Resp: 21927
Ion Ratio Lower Upper
180 100
182 95.0 77.4 116.0
145 31.9 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

