

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019209.D
 Acq On : 02 Nov 2020 18:58
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

Quant Time: Nov 03 04:32:19 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	237916	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	229426	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	125960	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92227	91.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	182.08%#
7) Chloroethane-d5	1.58	69	73084	93.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	187.78%#
11) 1,1-Dichloroethene-d2	2.13	63	171197	91.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	183.10%#
21) 2-Butanone-d5	3.91	46	109891	131.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.94%#
24) Chloroform-d	4.37	84	172077	61.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.38%
26) 1,2-Dichloroethane-d4	5.06	65	119291	65.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	131.86%#
32) Benzene-d6	5.07	84	319697	58.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.10%
36) 1,2-Dichloropropane-d6	6.09	67	95625	57.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.88%
41) Toluene-d8	7.33	98	303827	58.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.04%
43) trans-1,3-Dichloropropene-	7.64	79	54297	58.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.12%
47) 2-Hexanone-d5	8.10	63	79463	121.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.32%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	128447	56.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.22%
66) 1,2-Dichlorobenzene-d4	11.65	152	127053	56.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	75476	45.960	ug/L 100
3) Chloromethane	1.25	50	78464	55.698	ug/L 100
5) Vinyl chloride	1.32	62	80227	68.221	ug/L 100
6) Bromomethane	1.53	94	54955	80.404	ug/L 100
8) Chloroethane	1.60	64	52506	81.907	ug/L 100
9) Trichlorofluoromethane	1.77	101	135190	64.697	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	66426	72.805	ug/L 100
12) 1,1-Dichloroethene	2.14	96	64875	74.860	ug/L 100
13) Acetone	2.19	43	81316	116.917	ug/L 100
14) Carbon disulfide	2.31	76	186462	52.844	ug/L 100
15) Methyl Acetate	2.45	43	77707	59.053	ug/L 100
16) Methylene chloride	2.52	84	78297	50.445	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	71118	50.177	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	256617	53.559	ug/L 100
19) 1,1-Dichloroethane	3.21	63	139727	54.237	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	78430	47.455	ug/L 100
22) 2-Butanone	3.99	43	107030	105.610	ug/L 100

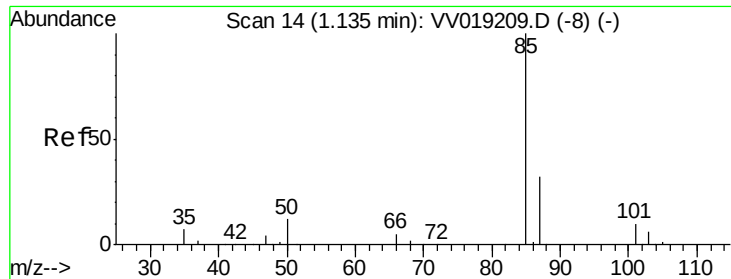
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
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 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:30:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	44485	53.255	ug/L	100
25) Chloroform	4.40	83	151530	52.221	ug/L	100
27) 1,2-Dichloroethane	5.15	62	128377	57.605	ug/L	100
29) Cyclohexane	4.70	56	108143	48.884	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	136079	52.179	ug/L	100
31) Carbon tetrachloride	4.86	117	119599	51.632	ug/L	100
33) Benzene	5.13	78	298748	50.066	ug/L	100
34) Trichloroethene	5.94	95	80525	49.435	ug/L	100
35) Methylcyclohexane	6.15	83	105071	42.789	ug/L	100
37) 1,2-Dichloropropane	6.20	63	78372	53.331	ug/L	100
38) Bromodichloromethane	6.53	83	115653	50.878	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	131267	51.255	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	225461	119.291	ug/L	100
42) Toluene	7.41	91	323991	49.435	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	133196	54.546	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	78572	50.388	ug/L	100
46) Tetrachloroethene	7.99	164	64831	49.472	ug/L	100
48) 2-Hexanone	8.15	43	169154	115.791	ug/L	100
49) Dibromochloromethane	8.26	129	93844	49.825	ug/L	100
50) 1,2-Dibromoethane	8.37	107	82923	48.674	ug/L	100
51) Chlorobenzene	8.90	112	210480	47.762	ug/L	100
52) Ethylbenzene	9.03	91	359518	47.980	ug/L	100
53) m,p-Xylene	9.16	106	136091	47.032	ug/L	100
54) o-Xylene	9.56	106	133996	48.066	ug/L	100
55) Styrene	9.58	104	241724	50.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	118226	48.131	ug/L	100
59) Bromoform	9.75	173	73242	50.976	ug/L	100
60) Isopropylbenzene	9.95	105	353581	45.103	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	101501	48.616	ug/L	100
62) 1,3,5-Trimethylbenzene	10.56	105	299798	44.801	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	293574	44.931	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	180406	47.293	ug/L	100
65) 1,4-Dichlorobenzene	11.29	146	186549	47.528	ug/L	100
67) 1,2-Dichlorobenzene	11.66	146	183293	48.519	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.45	75	30314	48.150	ug/L	100
69) 1,3,5-Trichlorobenzene	12.67	180	128735	46.820	ug/L	100
70) 1,2,4-trichlorobenzene	13.28	180	123454	49.365	ug/L	100
71) Naphthalene	13.52	128	367224	48.633	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	124135	50.505	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 45.960 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

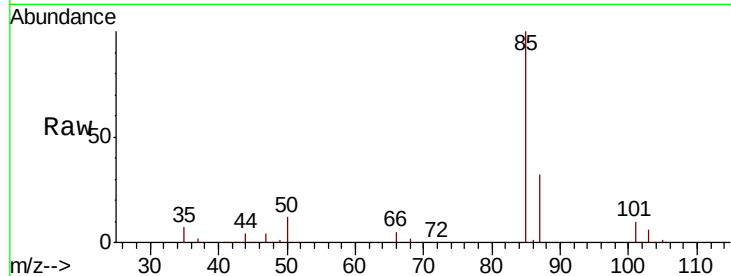
VSTD050304

Tot Ion: 85 Resp: 75476

Ion Ratio Lower Upper

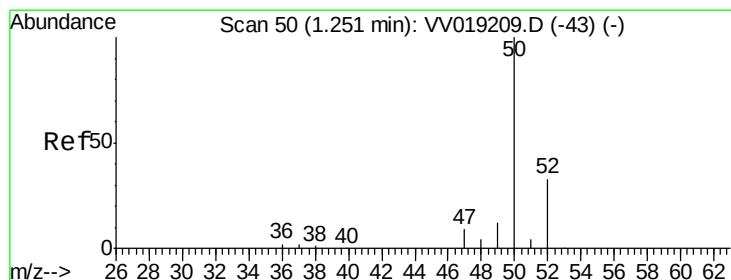
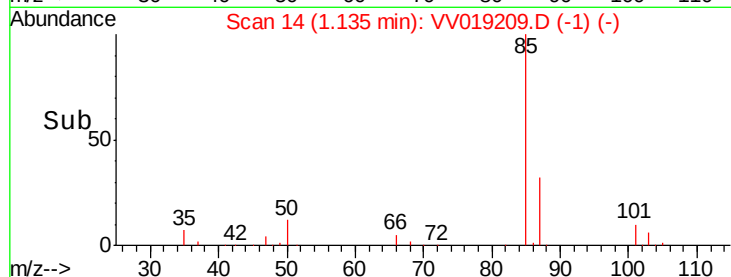
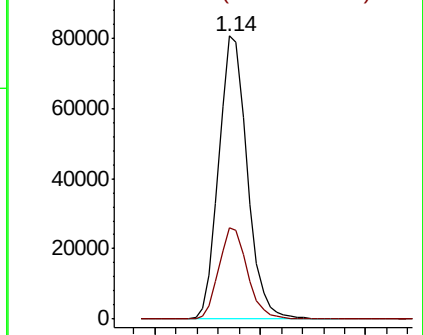
85 100

87 32.4 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: 55.698 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019209.D

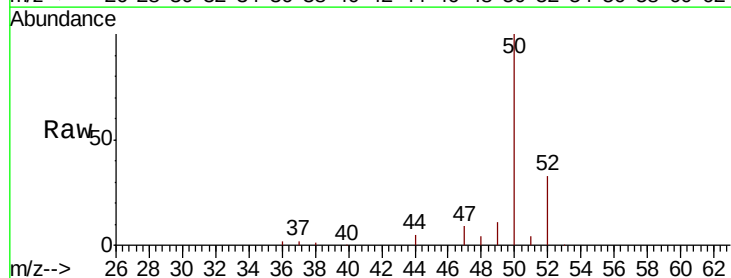
Acq: 02 Nov 2020 18:58

Tgt Ion: 50 Resp: 78464

Ion Ratio Lower Upper

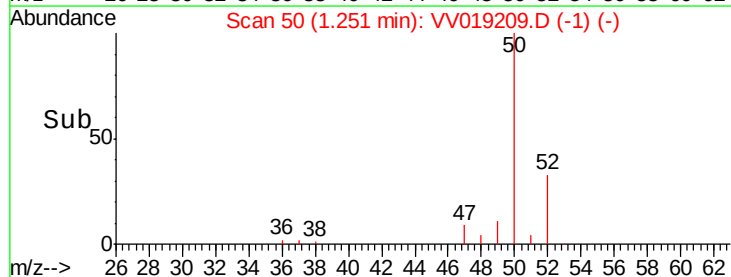
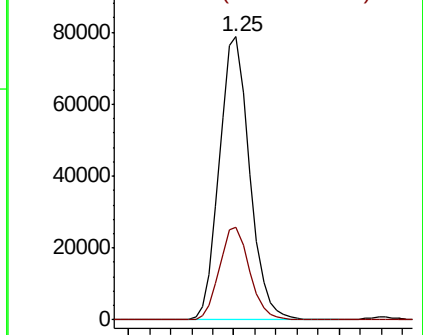
50 100

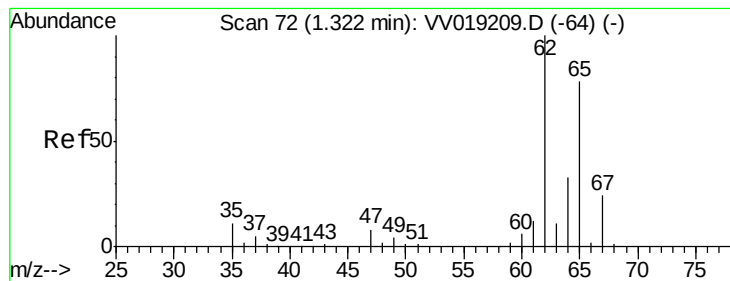
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 68.221 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

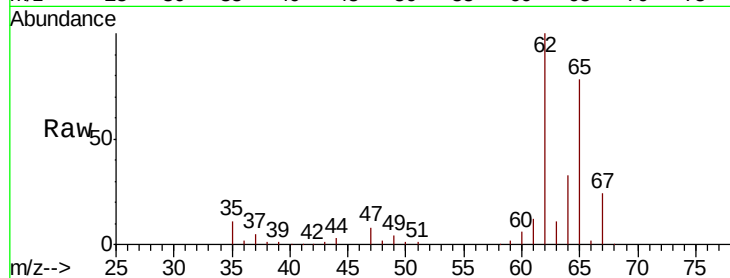
VSTD050304

Tot Ion: 62 Resp: 80227

Ion Ratio Lower Upper

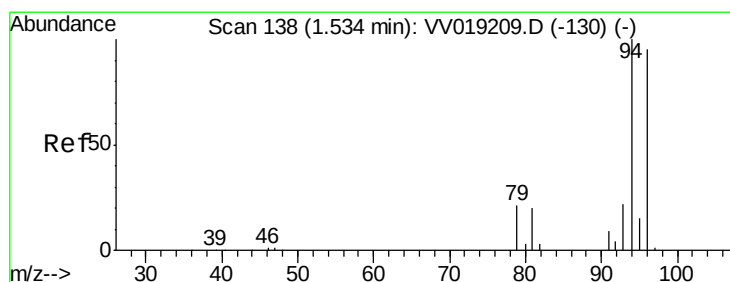
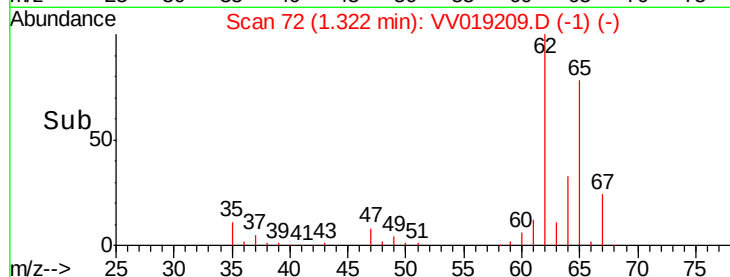
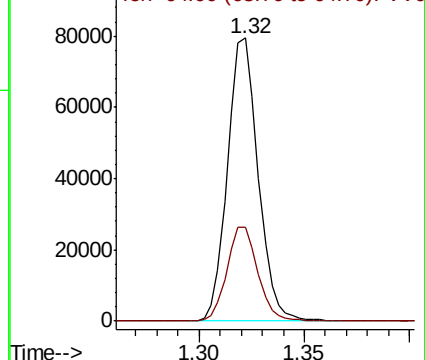
62 100

64 33.3 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: 80.404 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019209.D

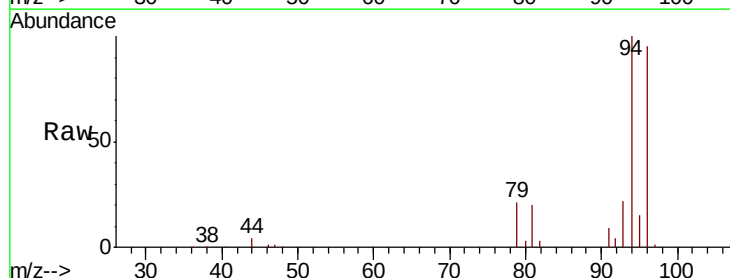
Acq: 02 Nov 2020 18:58

Tgt Ion: 94 Resp: 54955

Ion Ratio Lower Upper

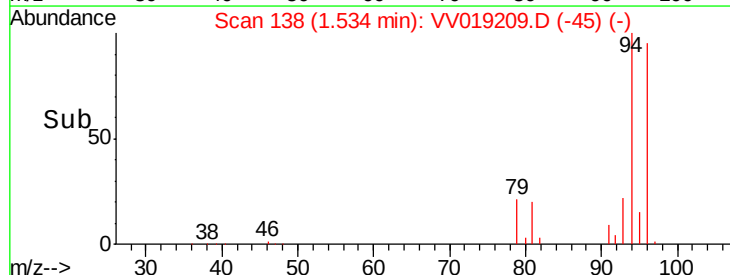
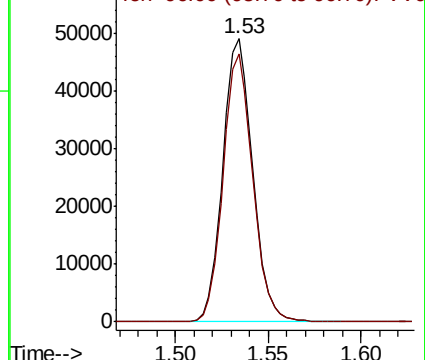
94 100

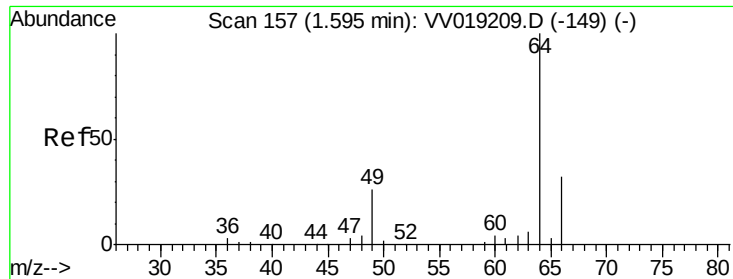
96 94.8 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

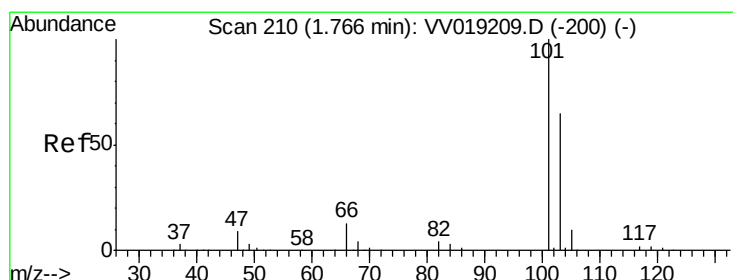
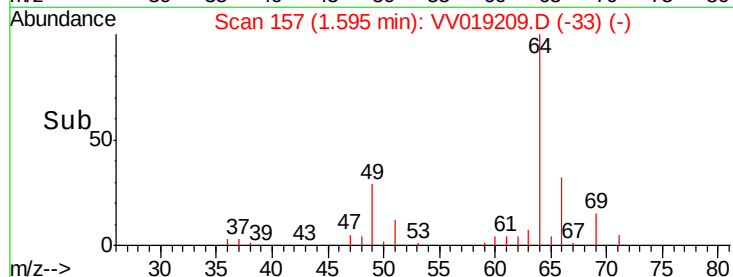
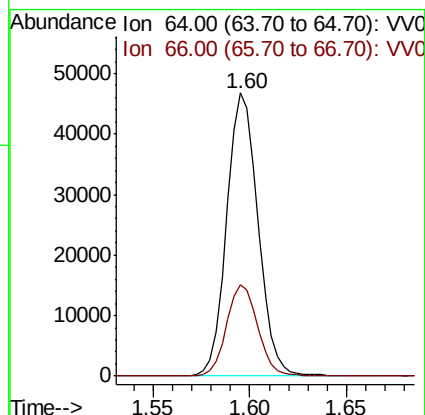
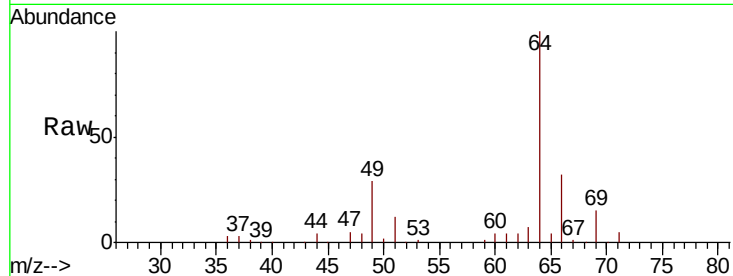




#8
Chloroethane
Concen: 81.907 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

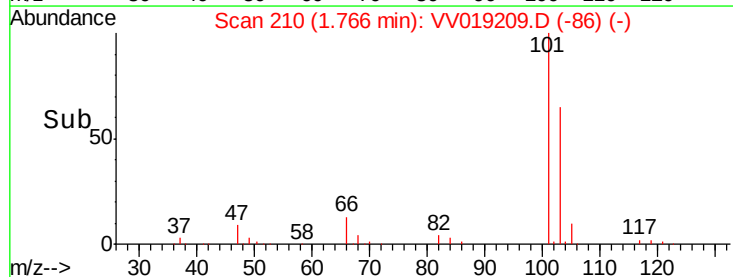
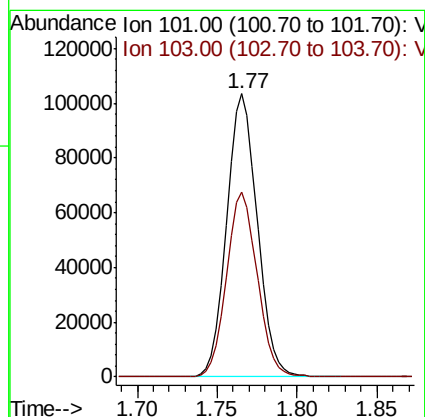
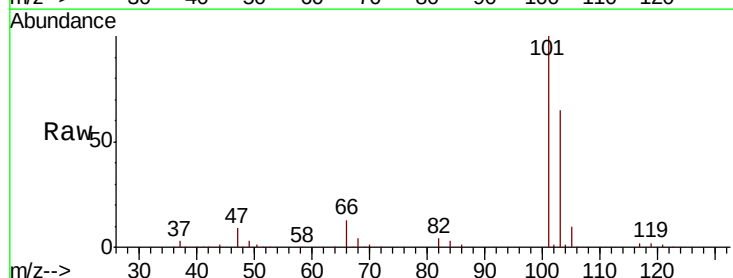
Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

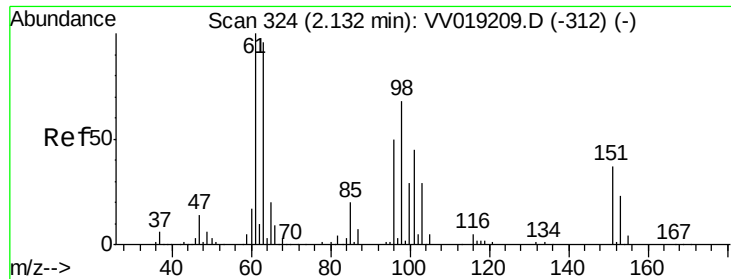
Tot Ion: 64 Resp: 52506
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 64.697 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Tgt Ion: 101 Resp: 135190
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5





#10

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

Concen: 72.805 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050304

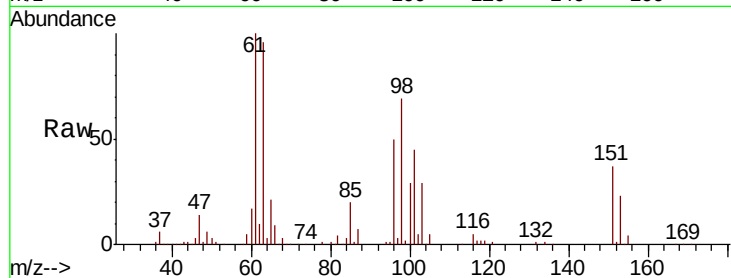
Tot Ion:101 Resp: 66426

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

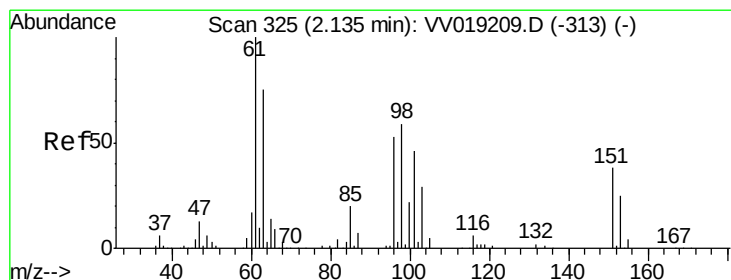
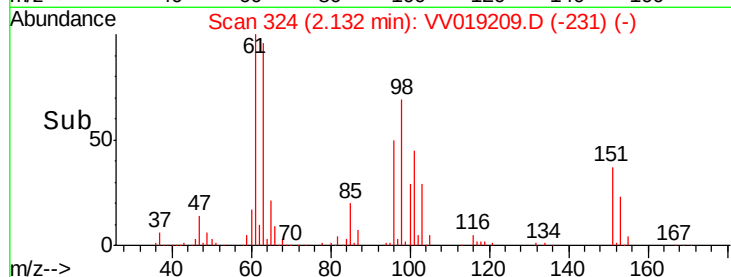
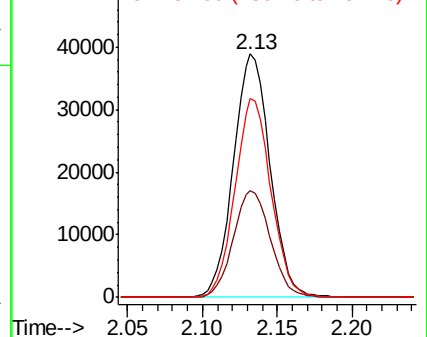
151 80.1 64.1 96.1



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: 74.860 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

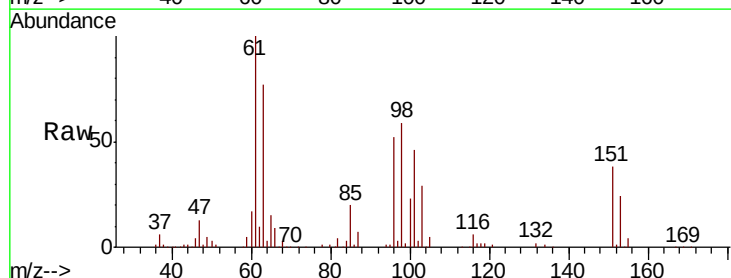
Tgt Ion: 96 Resp: 64875

Ion Ratio Lower Upper

96 100

61 190.8 133.6 248.0

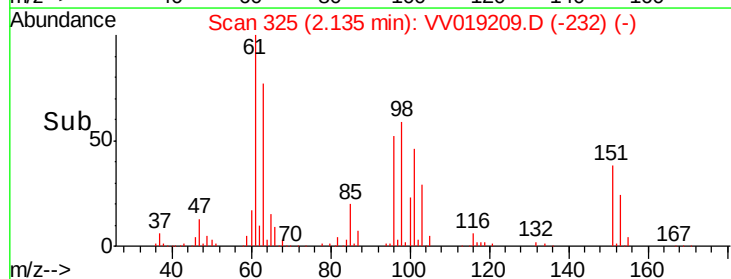
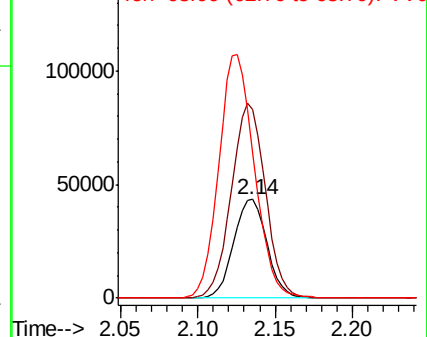
63 147.1 103.0 191.2

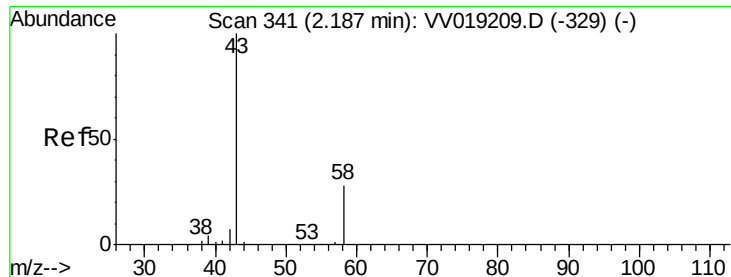


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 116.917 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

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MSVOA_V

ClientSampleId :

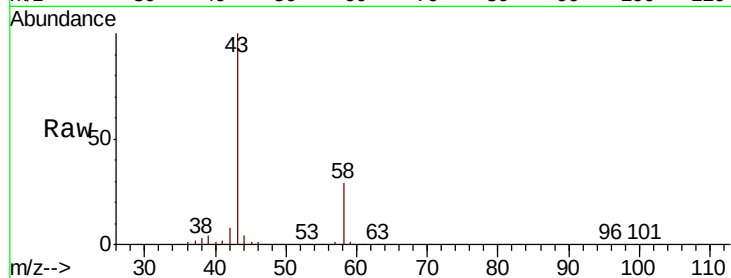
VSTD050304

Tot Ion: 43 Resp: 81316

Ion Ratio Lower Upper

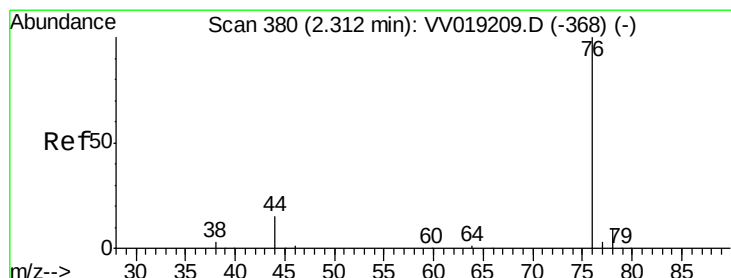
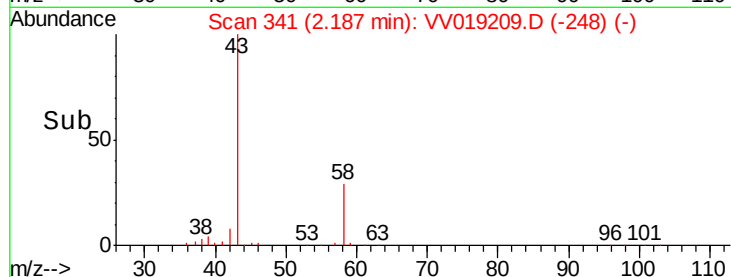
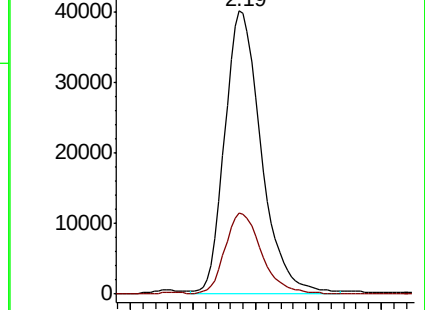
43 100

58 28.9 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: 52.844 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019209.D

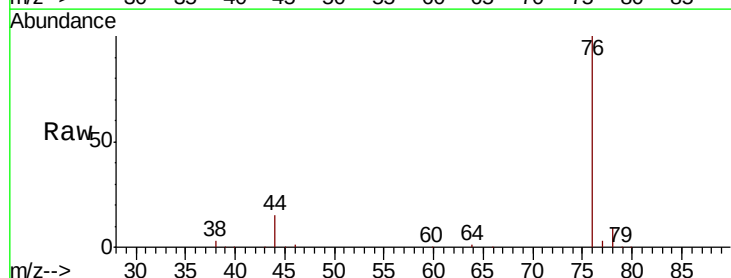
Acq: 02 Nov 2020 18:58

Tgt Ion: 76 Resp: 186462

Ion Ratio Lower Upper

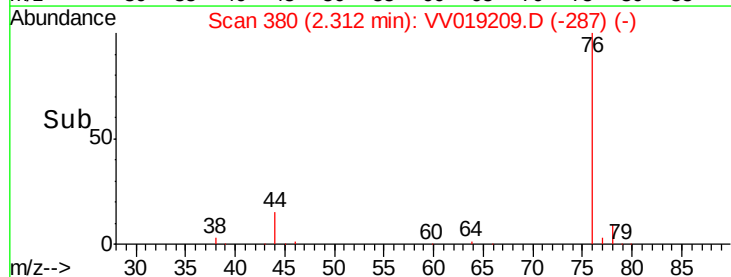
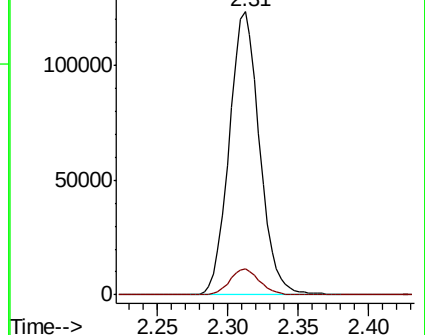
76 100

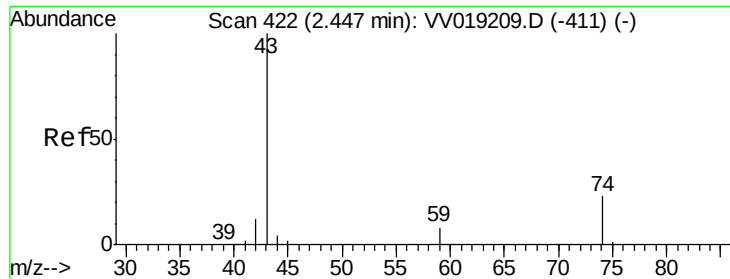
78 9.2 7.4 11.0



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

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

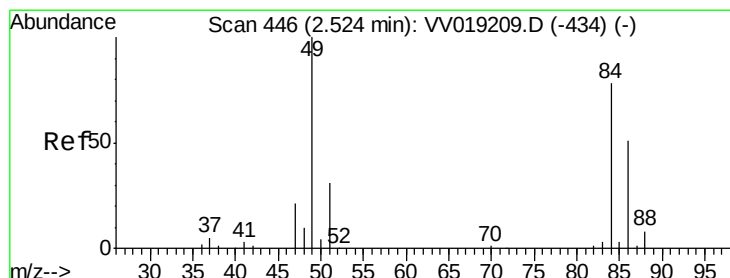
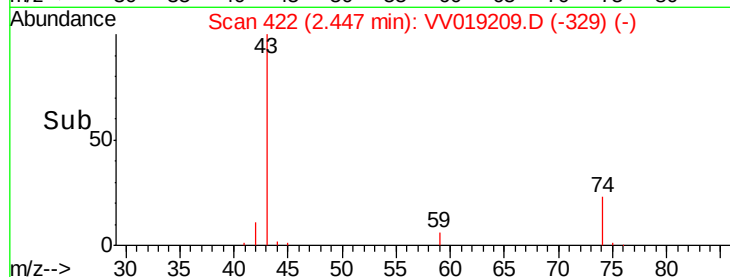
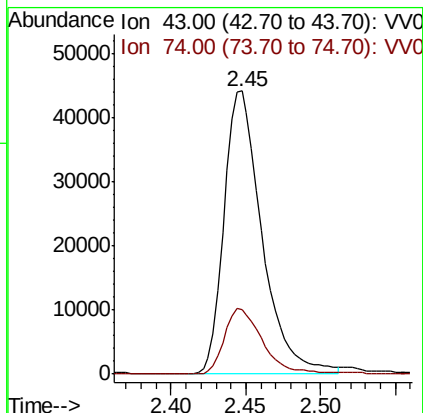
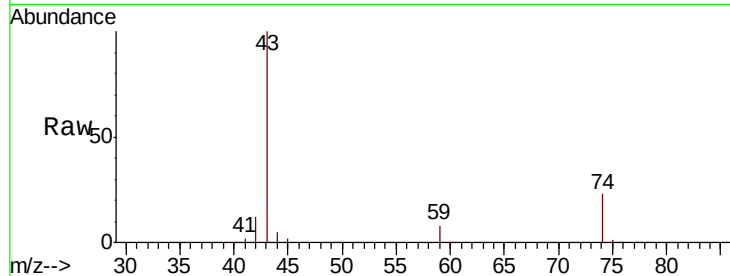




#15
Methvl Acetate
Concen: 59.053 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

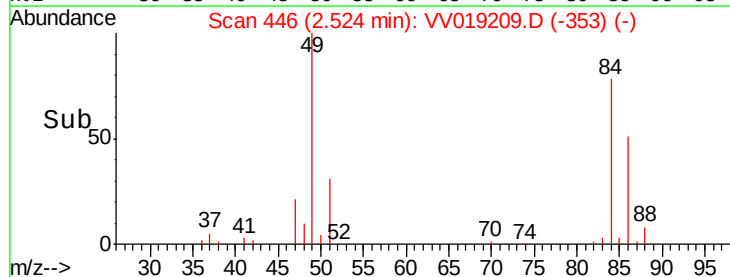
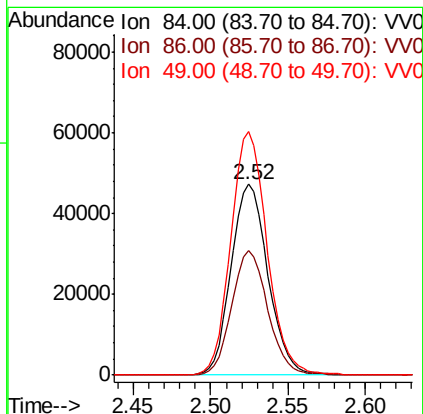
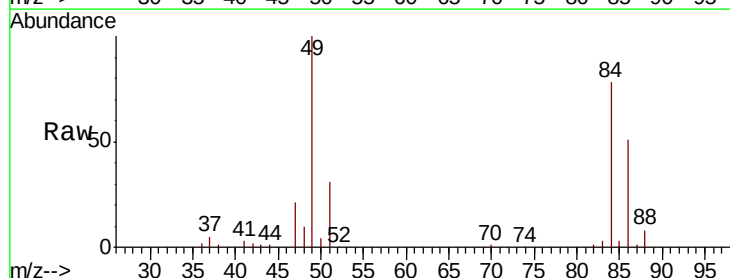
Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

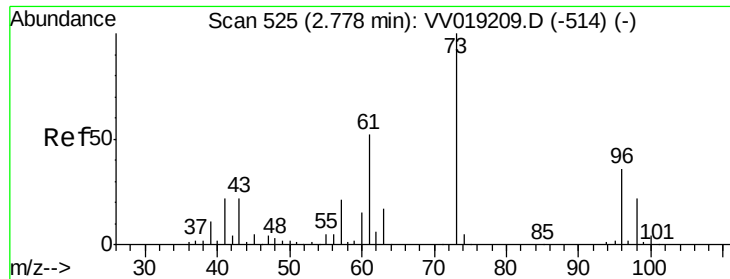
Tot Ion: 43 Resp: 77707
Ion Ratio Lower Upper
43 100
74 23.5 18.8 28.2



#16
Methylene chloride
Concen: 50.445 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Tgt Ion: 84 Resp: 78297
Ion Ratio Lower Upper
84 100
86 65.2 45.6 84.8
49 127.6 89.3 165.9

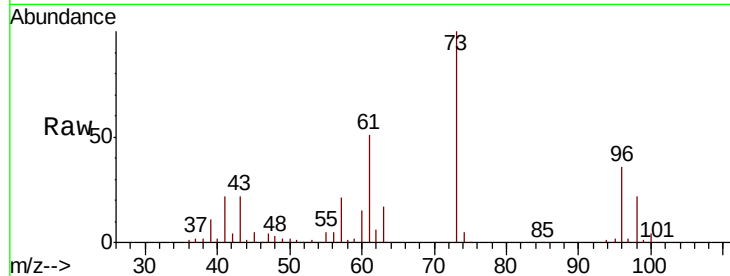




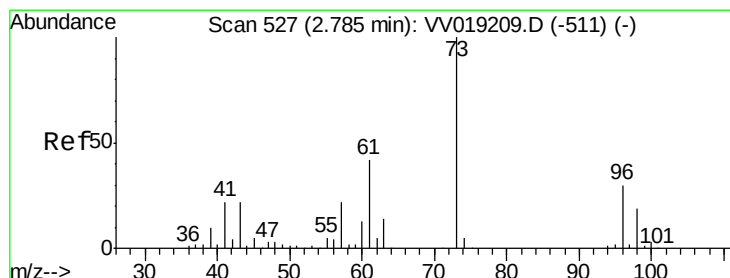
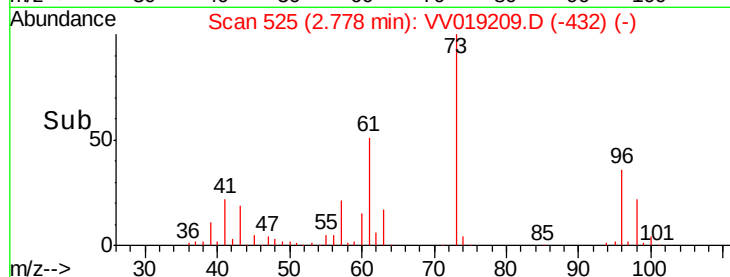
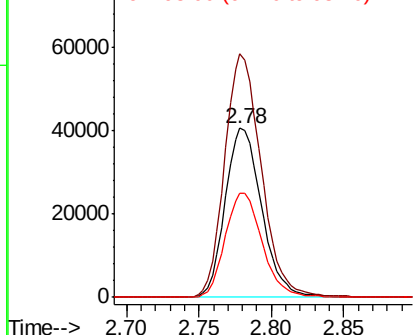
#17
trans-1,2-Dichloroethene
Concen: 50.177 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

Tot Ion: 96 Resp: 71118
Ion Ratio Lower Upper
96 100
61 143.9 100.7 187.1
98 61.3 42.9 79.7

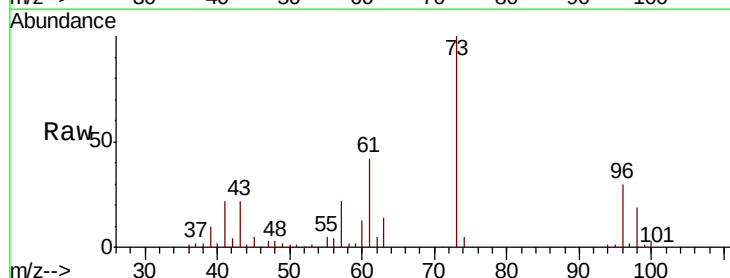


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

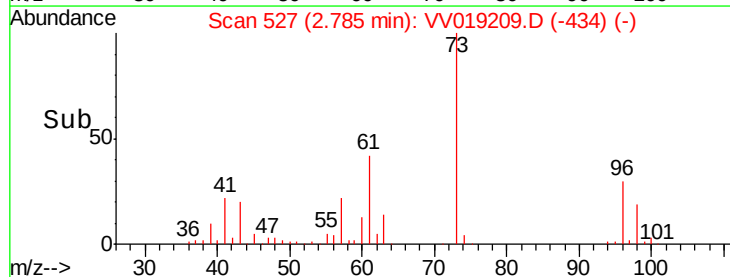
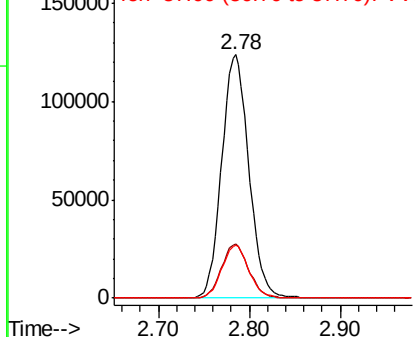


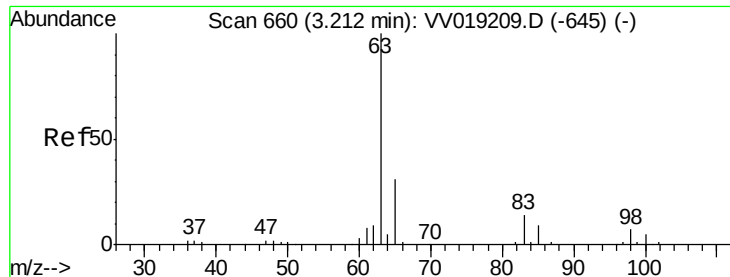
#18
Methyl tert-butyl Ether
Concen: 53.559 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Tgt Ion: 73 Resp: 256617
Ion Ratio Lower Upper
73 100
43 22.4 17.9 26.9
57 21.4 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: 54.237 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050304

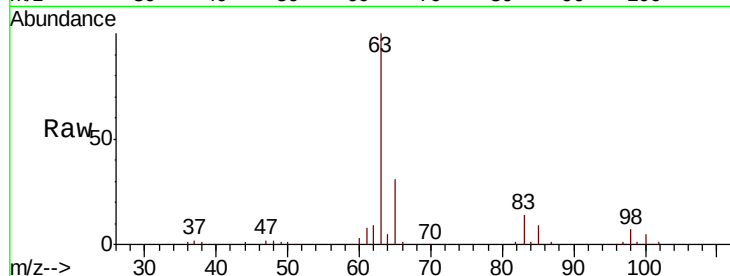
Tot Ion: 63 Resp: 139727

Ion Ratio Lower Upper

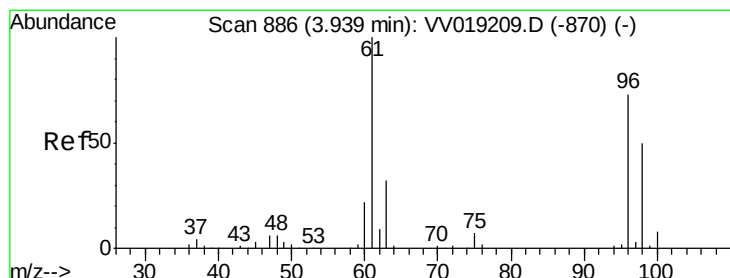
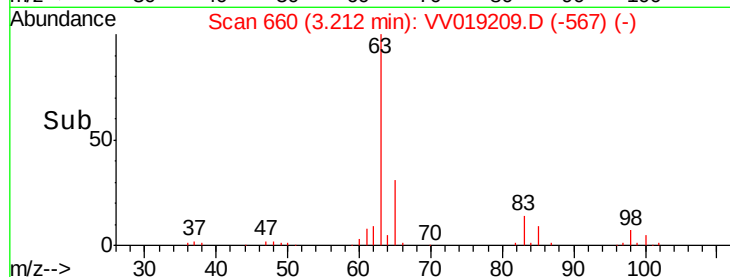
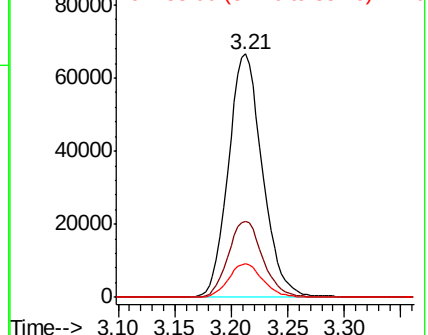
63 100

65 31.2 21.8 40.6

83 13.6 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: 47.455 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

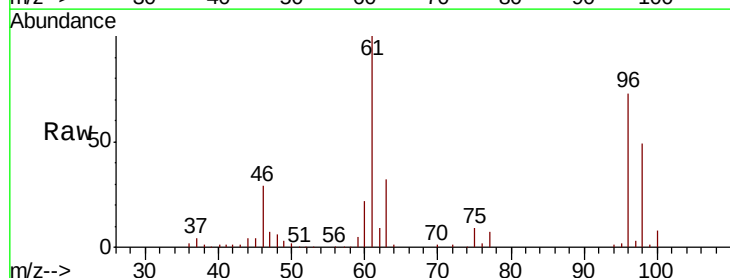
Tgt Ion: 96 Resp: 78430

Ion Ratio Lower Upper

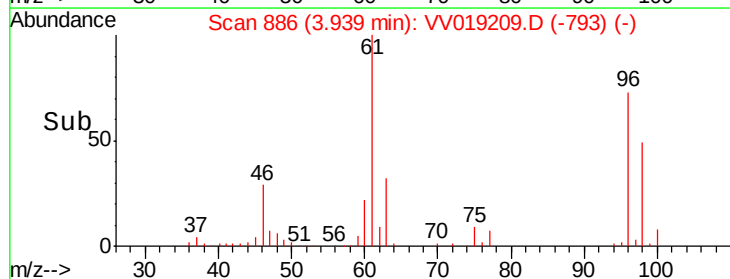
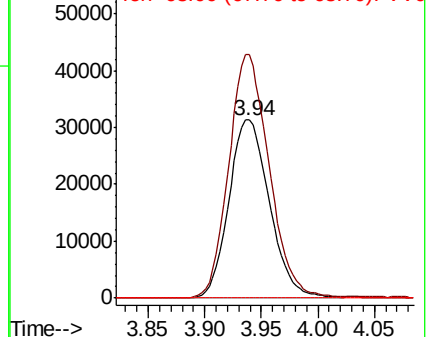
96 100

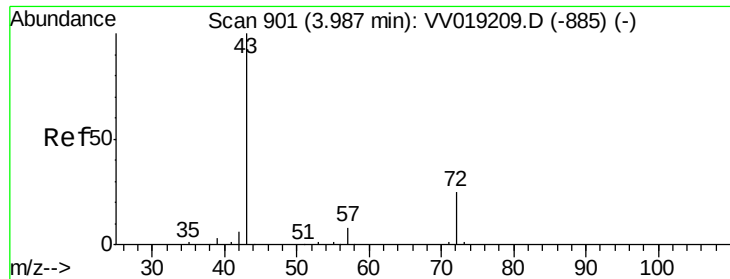
61 136.6 95.6 177.6

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: 105.610 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

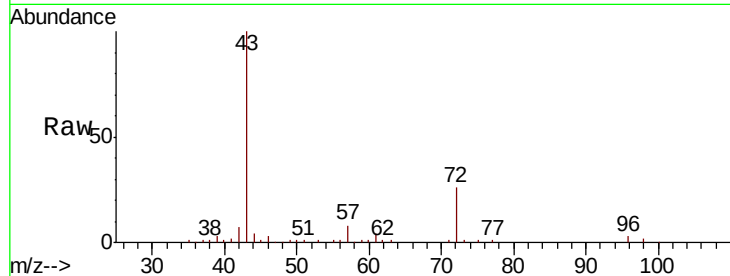
VSTD050304

Tot Ion: 43 Resp: 107030

Ion Ratio Lower Upper

43 100

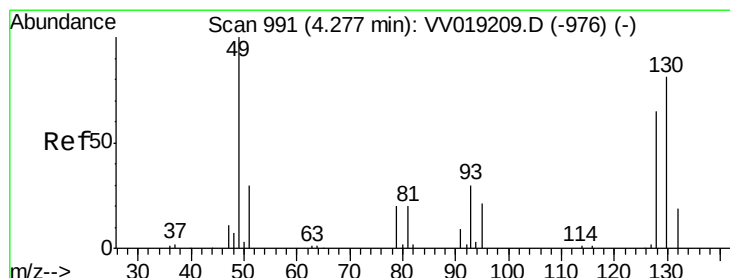
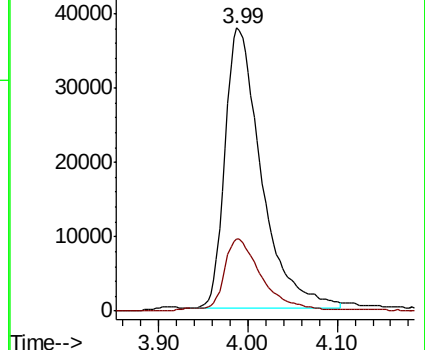
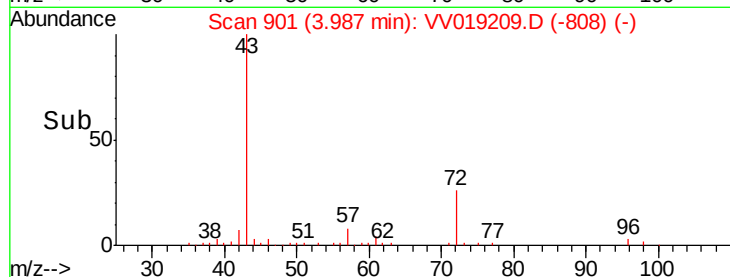
72 25.3 12.7 38.0



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

Ion 72.00 (71.70 to 72.70): VV019209.D (-885) (-)

Time-->



#23

Bromochloromethane

Concen: 53.255 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Tgt Ion:128 Resp: 44485

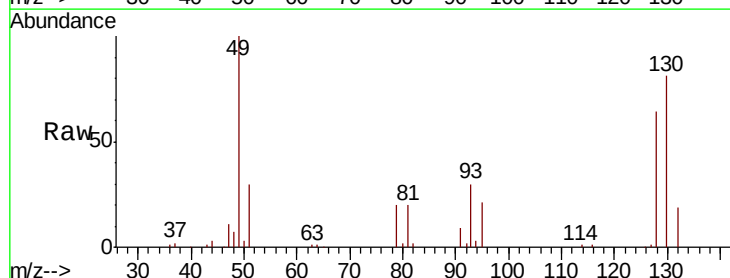
Ion Ratio Lower Upper

128 100

49 155.5 108.8 202.2

130 126.4 88.5 164.3

51 47.2 37.8 56.6



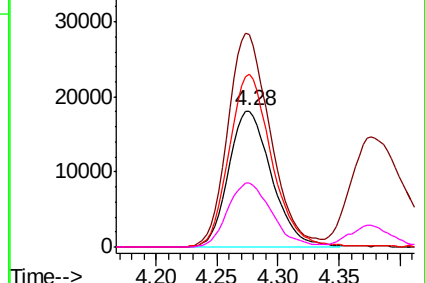
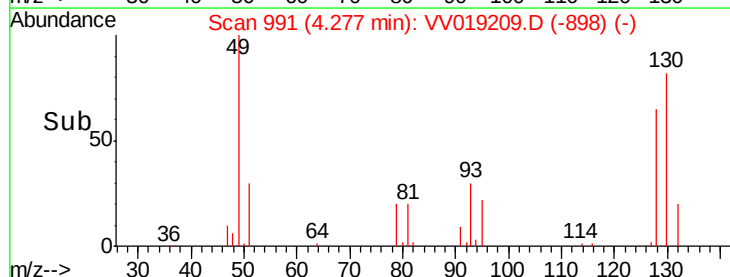
Abundance Ion 128.00 (127.70 to 128.70): VV019209.D (-976) (-)

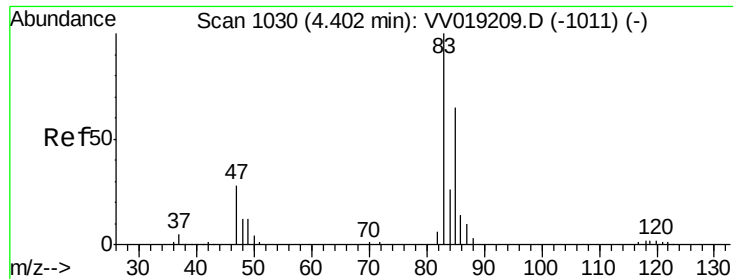
Ion 49.00 (48.70 to 49.70): VV019209.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV019209.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV019209.D (-976) (-)

Time-->

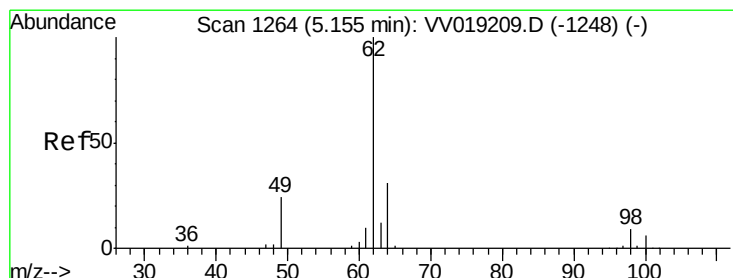
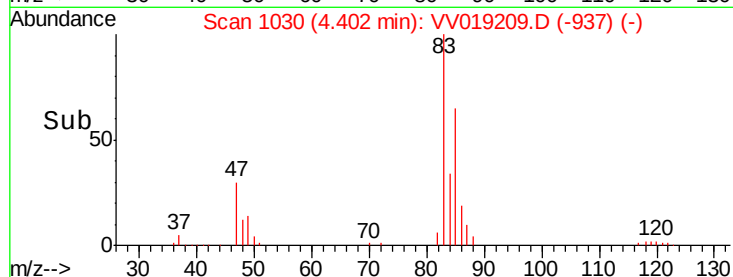
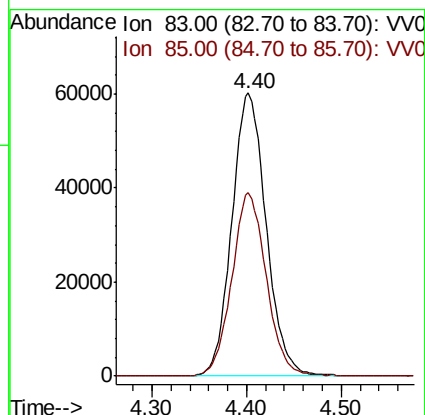
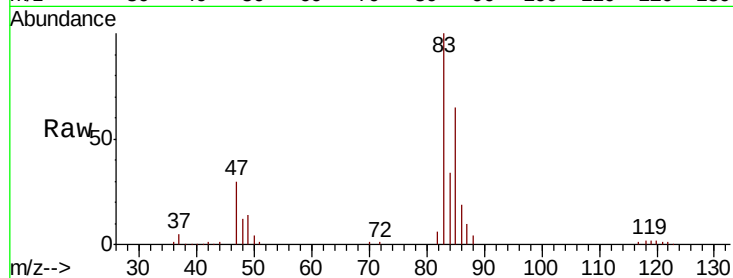




#25
Chloroform
Concen: 52.221 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

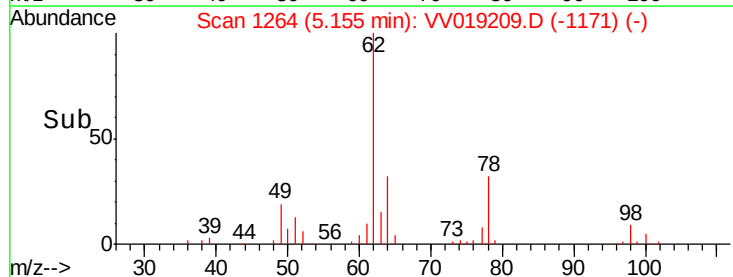
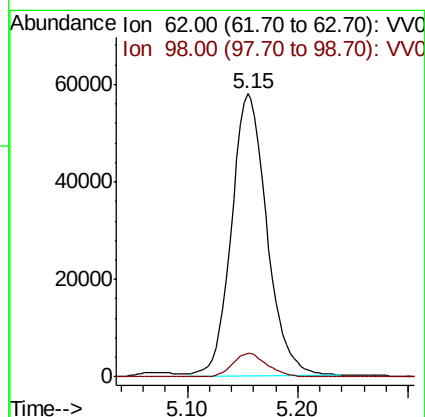
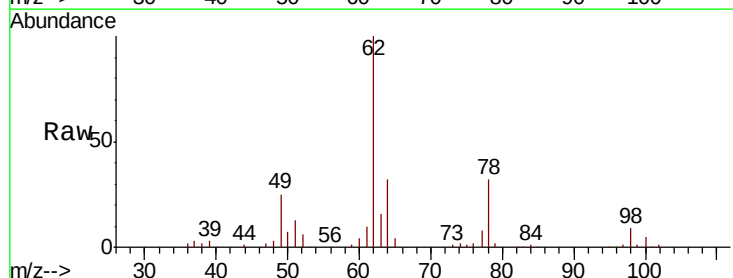
Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

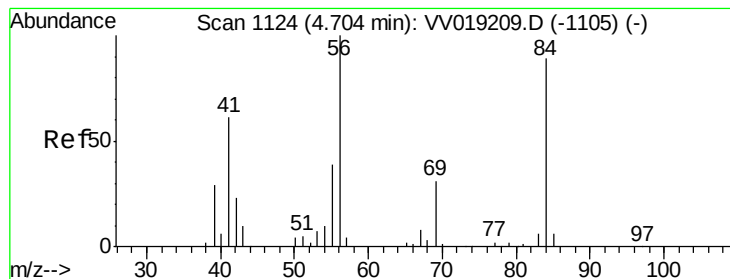
Tot Ion: 83 Resp: 151530
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 57.605 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Tgt Ion: 62 Resp: 128377
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 48.884 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

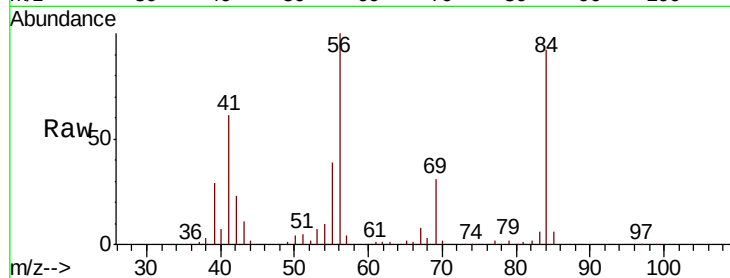
Tot Ion: 56 Resp: 108143

Ion Ratio Lower Upper

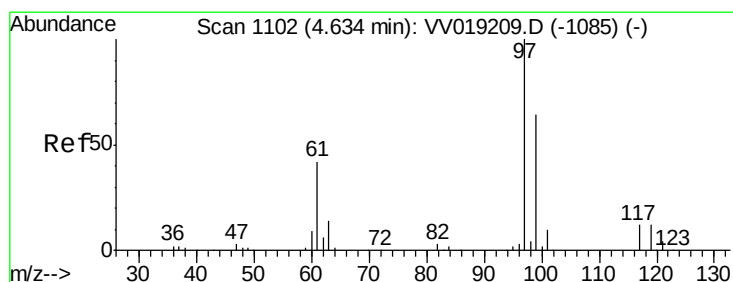
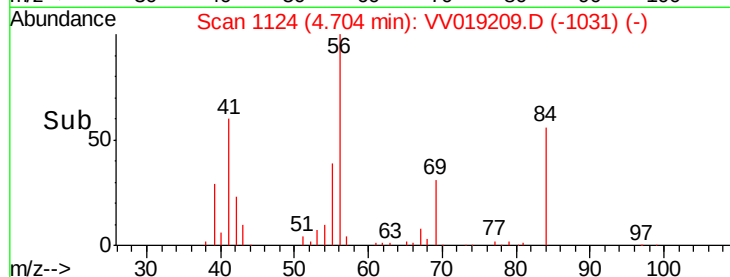
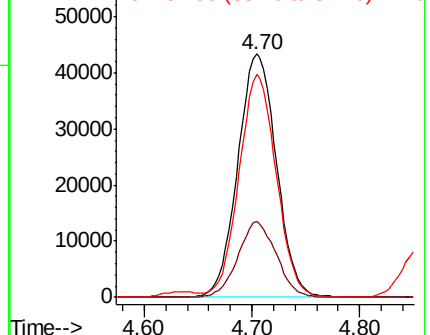
56 100

69 30.7 24.6 36.8

84 88.1 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: 52.179 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

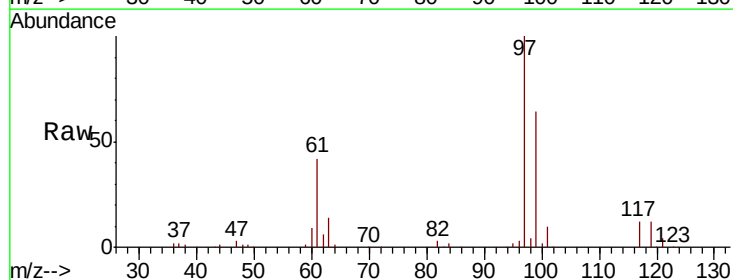
Tgt Ion: 97 Resp: 136079

Ion Ratio Lower Upper

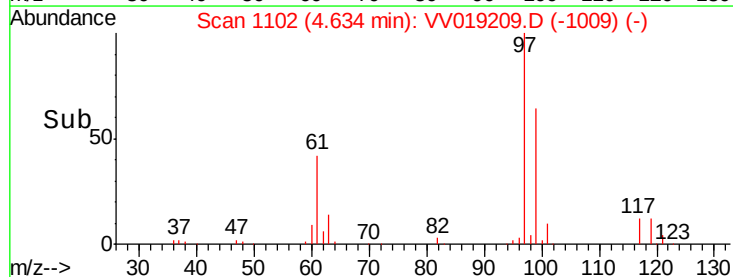
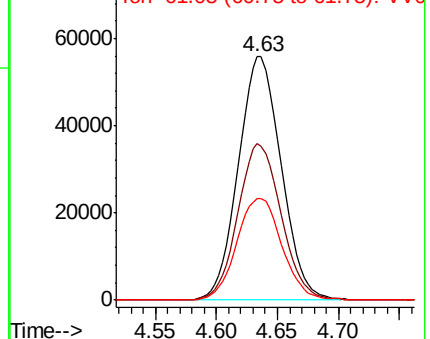
97 100

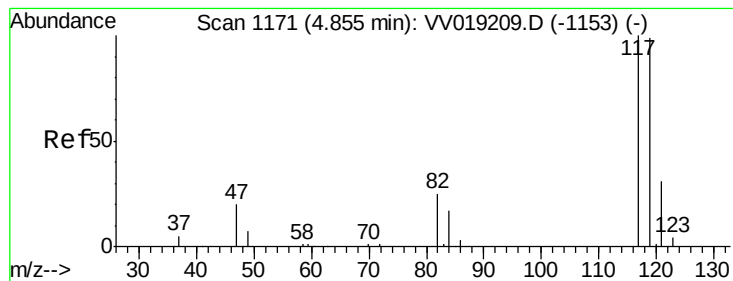
99 65.0 52.0 78.0

61 44.1 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: 51.632 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

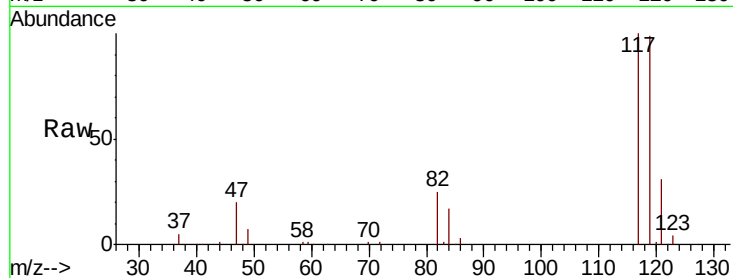
VSTD050304

Tot Ion:117 Resp: 119599

Ion Ratio Lower Upper

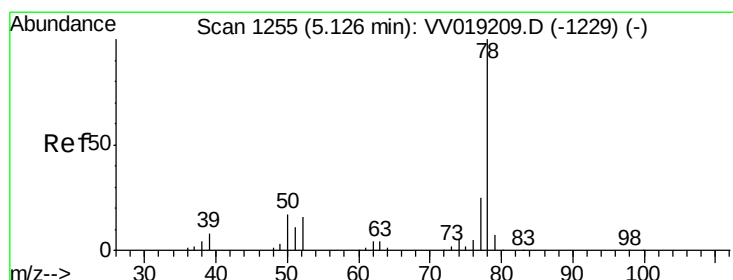
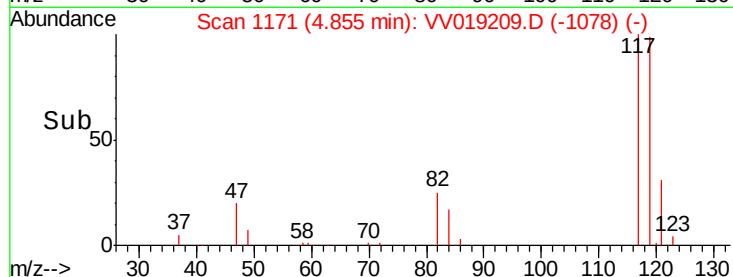
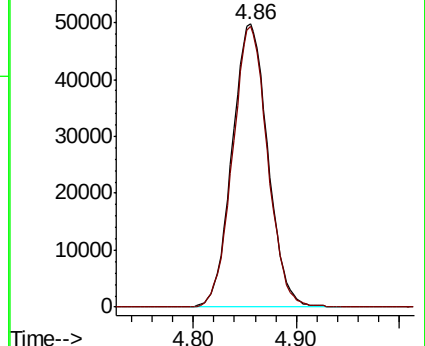
117 100

119 97.2 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: 50.066 ug/L

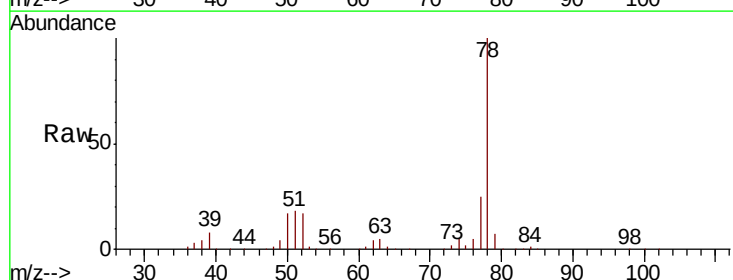
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

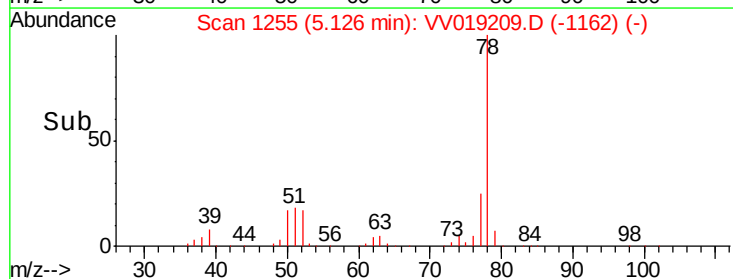
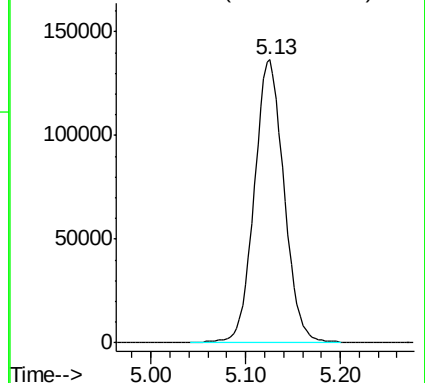
Lab File: VV019209.D

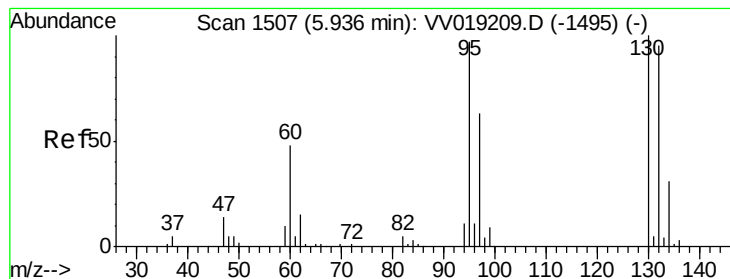
Acq: 02 Nov 2020 18:58

Tgt Ion: 78 Resp: 298748



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.435 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050304

Tot Ion: 95 Resp: 80525

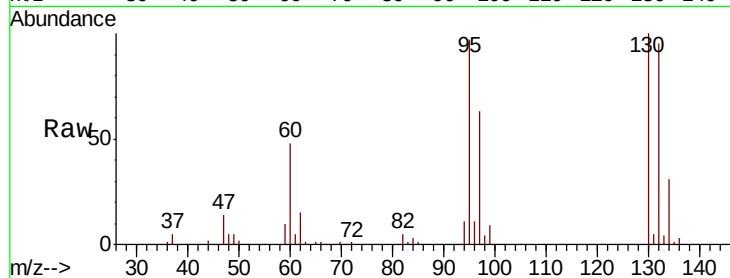
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.4

132 97.9 68.5 127.3

130 102.8 72.0 133.6

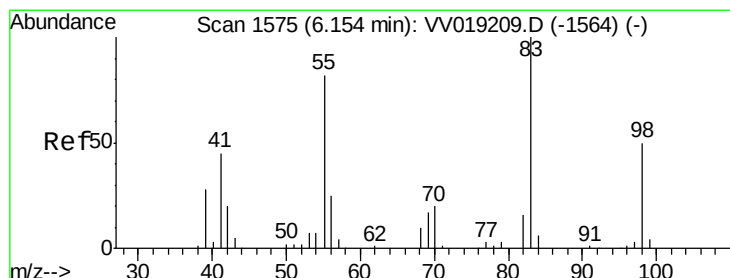
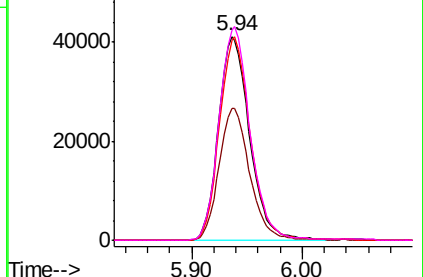
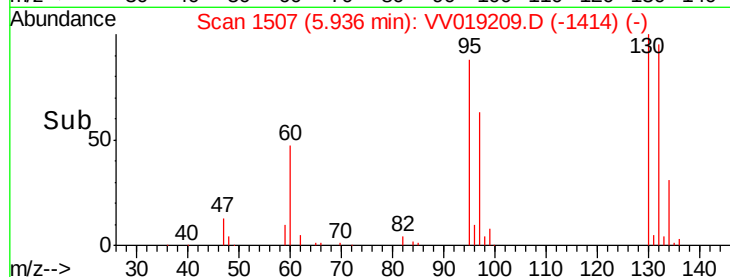


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 42.789 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

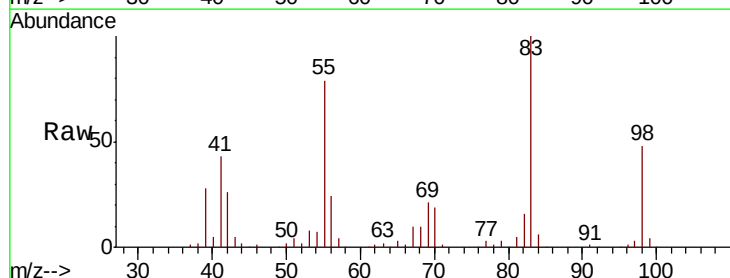
Tgt Ion: 83 Resp: 105071

Ion Ratio Lower Upper

83 100

55 78.5 62.8 94.2

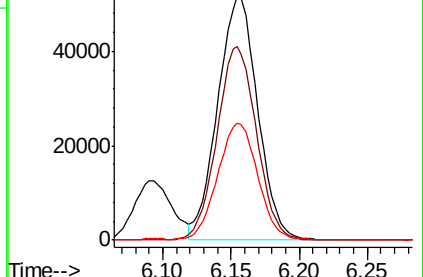
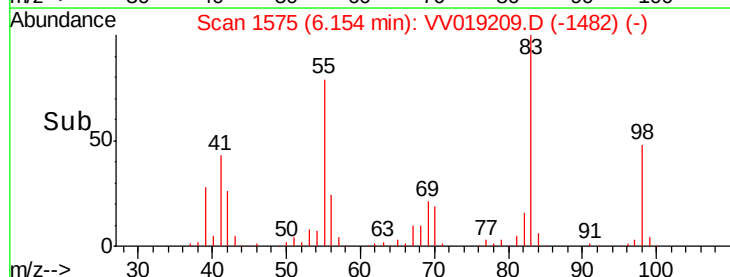
98 48.3 38.6 58.0

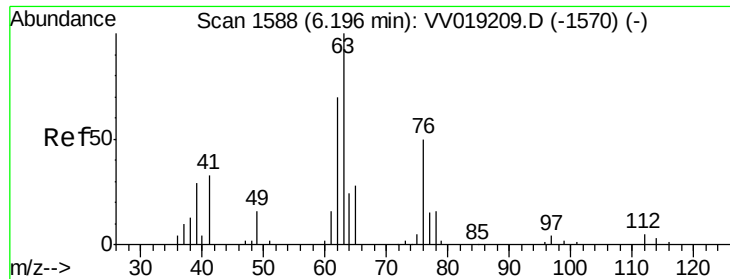


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

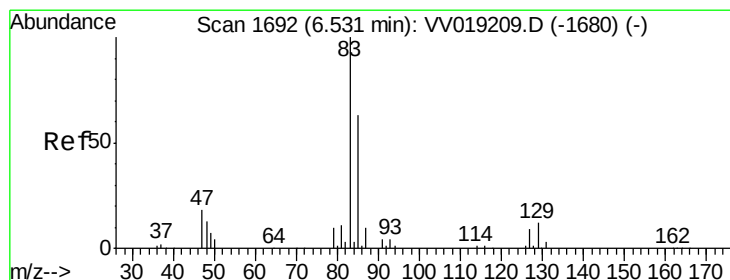
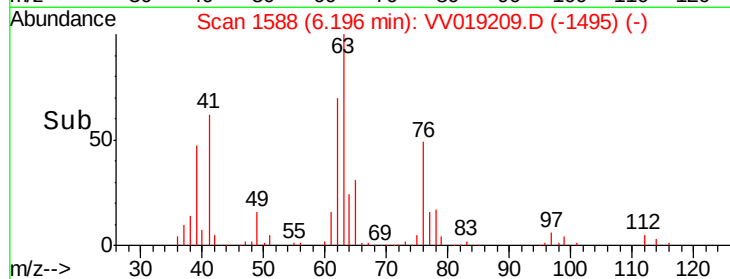
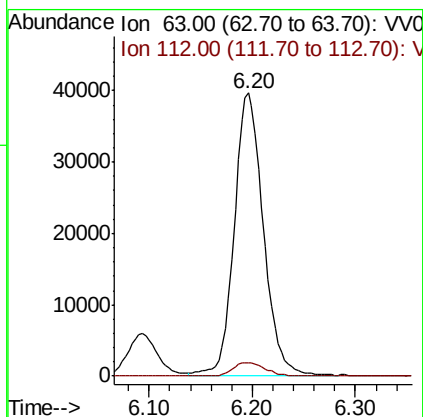
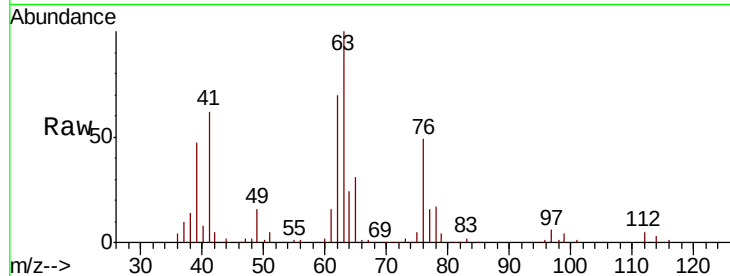




#37
 1,2-Dichloropropane
 Concen: 53.331 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

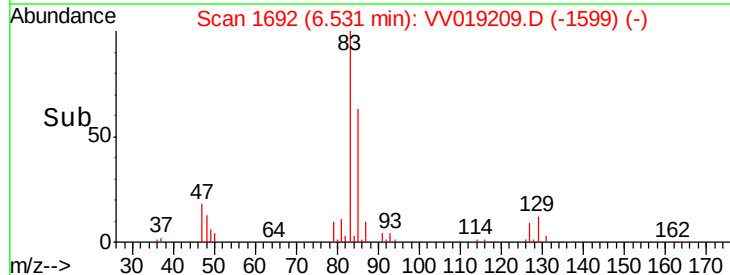
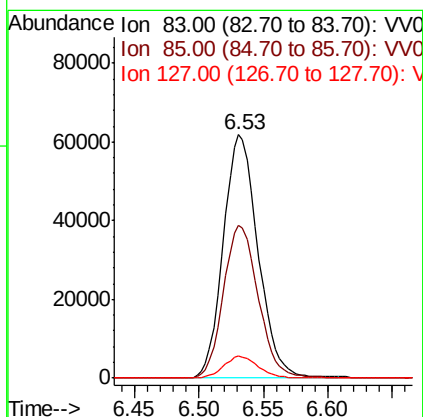
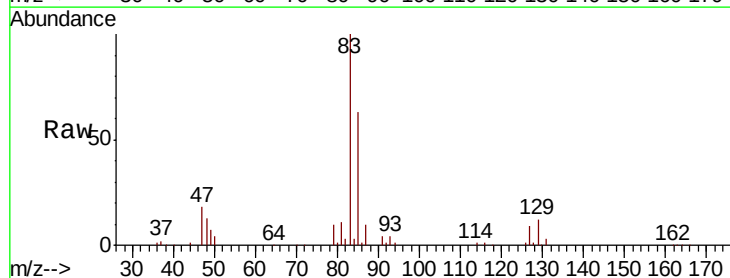
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

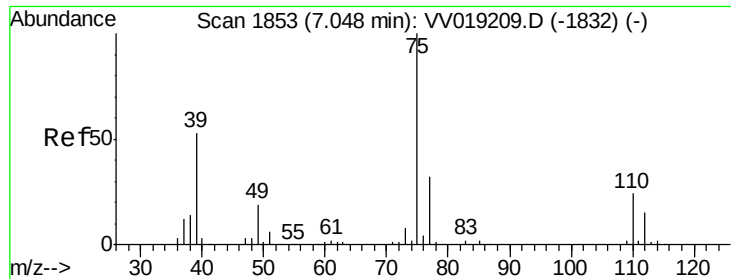
Tot Ion: 63 Resp: 78372
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.2 6.2



#38
 Bromodichloromethane
 Concen: 50.878 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Tgt Ion: 83 Resp: 115653
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.0 81.8
 127 9.1 7.3 10.9

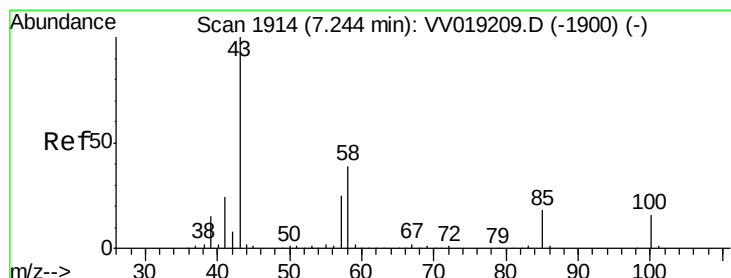
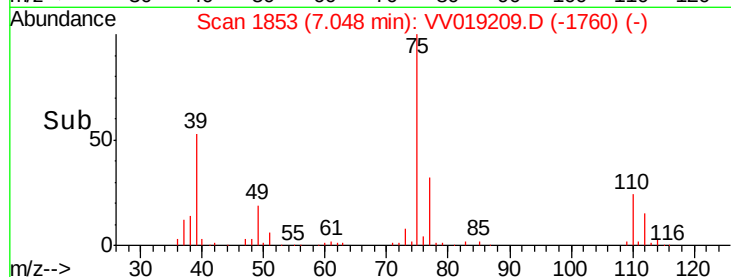
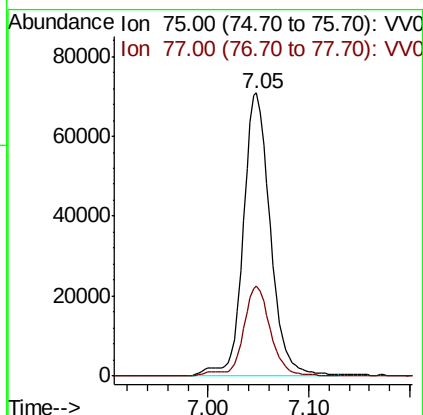
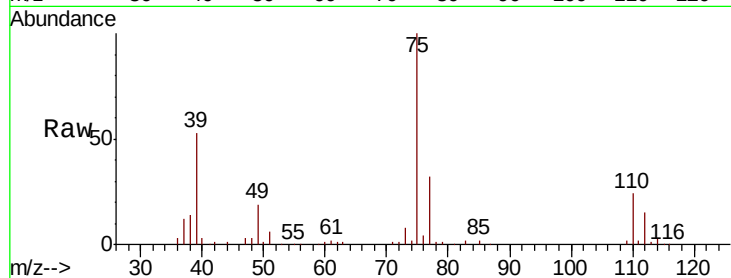




#39
 cis-1,3-Dichloropropene
 Concen: 51.255 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

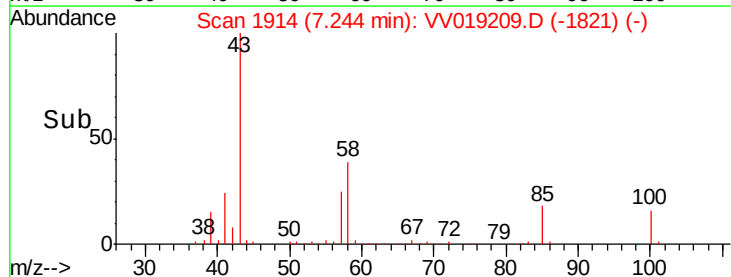
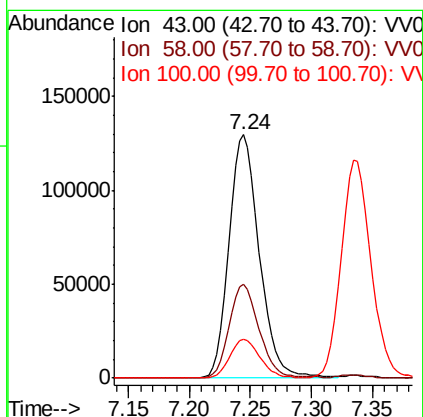
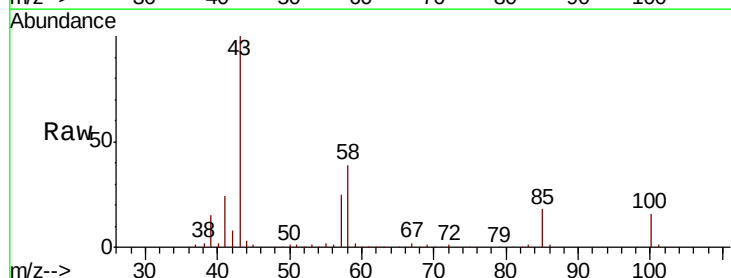
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

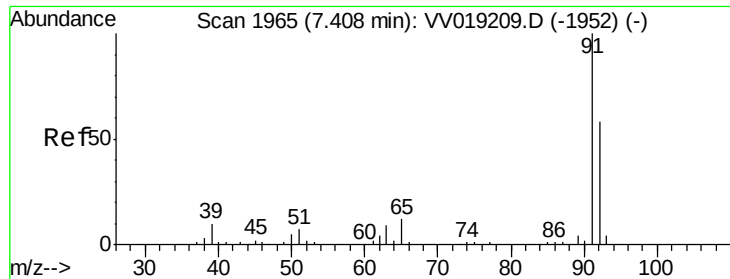
Tot Ion: 75 Resp: 131267
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 119.291 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Tgt Ion: 43 Resp: 225461
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.5 45.7
 100 15.9 12.7 19.1





#42

Toluene

Concen: 49.435 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

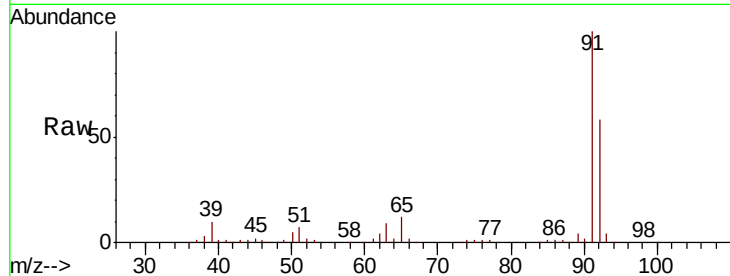
VSTD050304

Tot Ion: 91 Resp: 323991

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV019209.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019209.D (-1952) (-)

7.41

200000

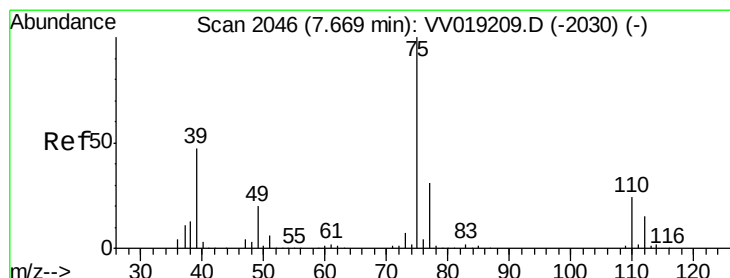
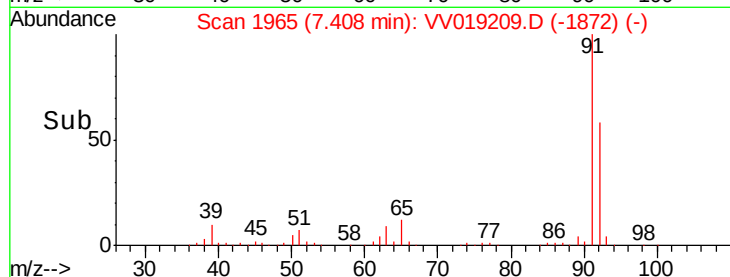
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.546 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019209.D

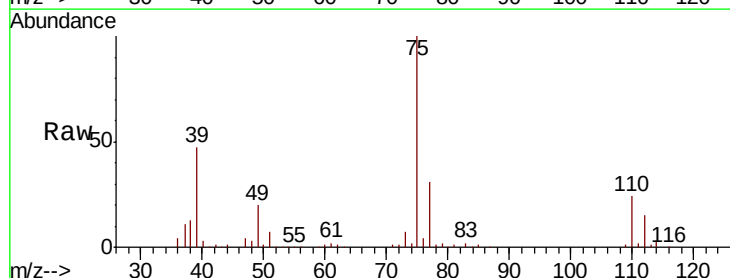
Acq: 02 Nov 2020 18:58

Tgt Ion: 75 Resp: 133196

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV019209.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV019209.D (-2030) (-)

7.67

80000

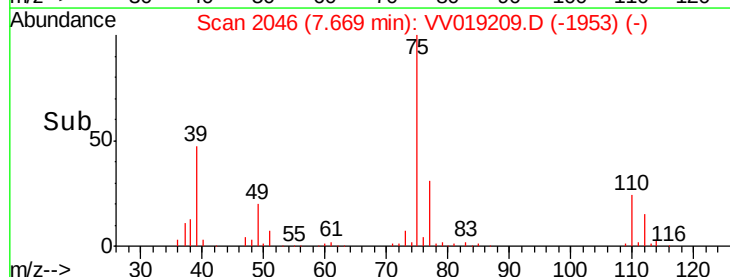
60000

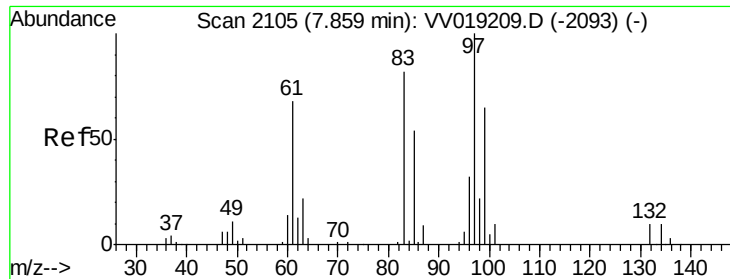
40000

20000

0

Time-->

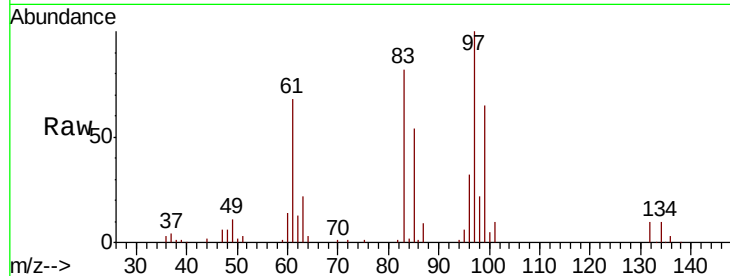




#45
 1,1,2-Trichloroethane
 Concen: 50.388 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

Tot Ion:	97	Resp:	78572
Ion	Ratio	Lower	Upper
97	100		
99	64.5	45.1	83.9
83	82.3	57.6	107.0
85	54.0	37.8	70.2



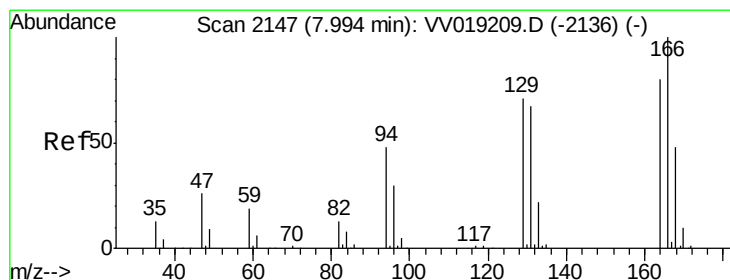
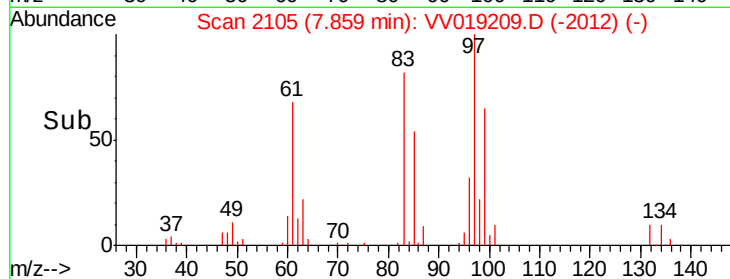
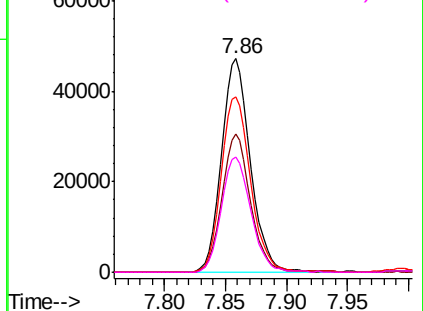
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

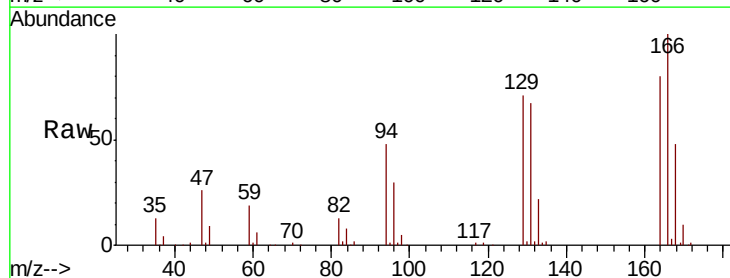
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.472 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Tgt Ion:	164	Resp:	64831
Ion	Ratio	Lower	Upper
164	100		
129	89.5	62.6	116.3
131	84.3	59.0	109.6
166	125.7	88.0	163.4



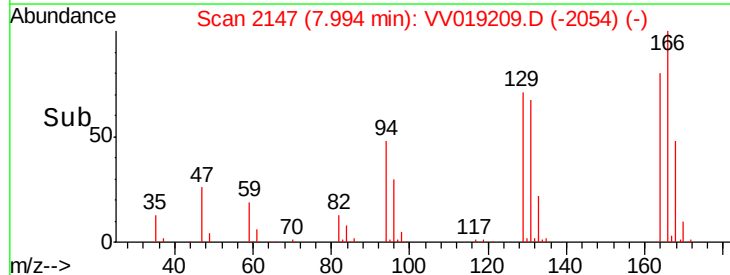
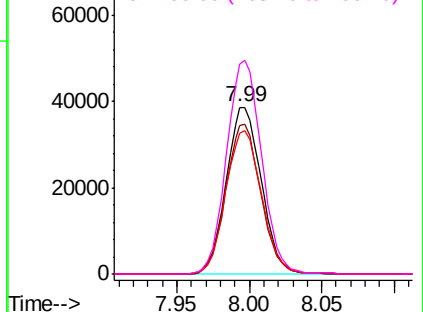
Abundance

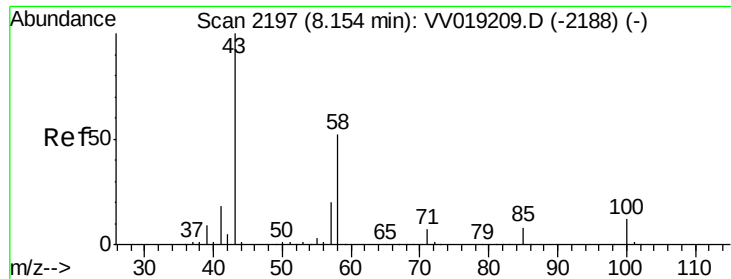
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

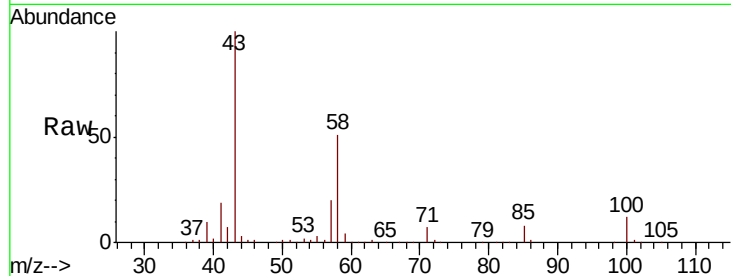




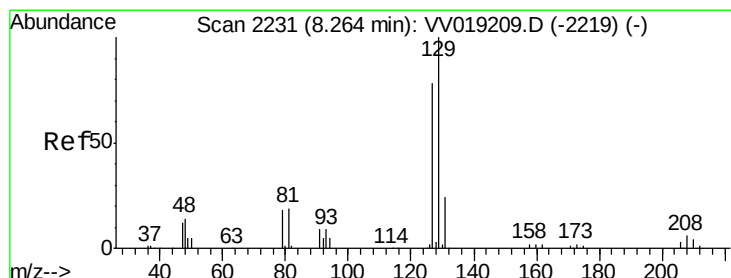
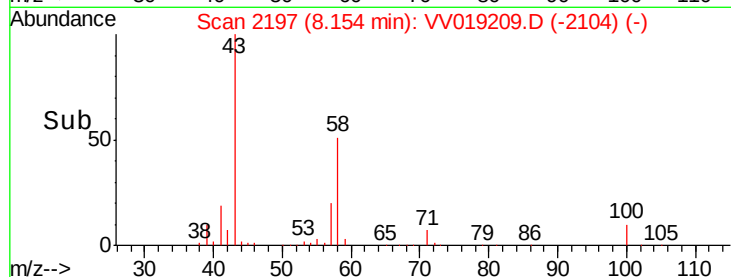
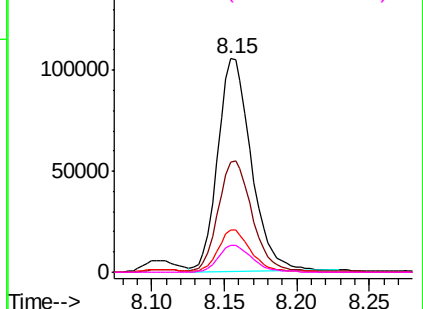
#48
2-Hexanone
Concen: 115.791 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

Tot Ion: 43 Resp: 169154
Ion Ratio Lower Upper
43 100
58 53.2 42.6 63.8
57 19.8 15.8 23.8
100 13.0 10.4 15.6

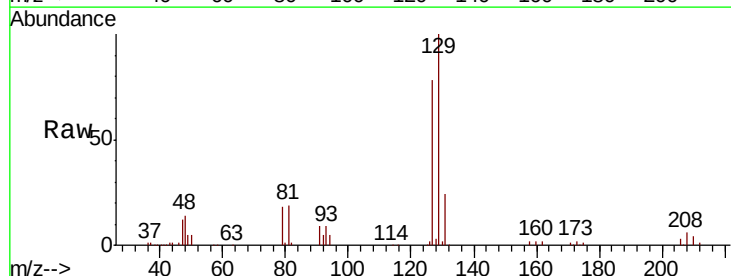


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

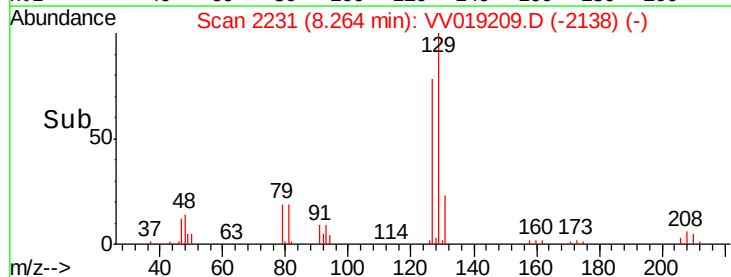
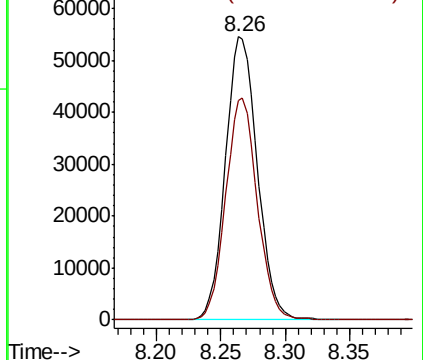


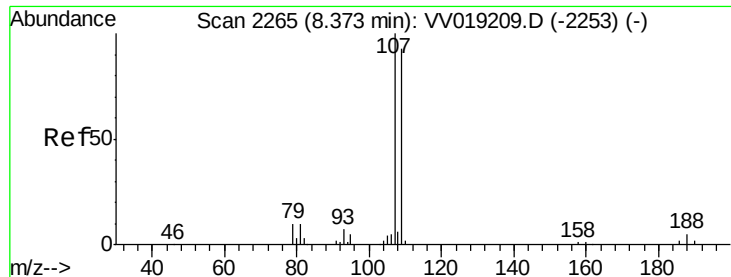
#49
Dibromochloromethane
Concen: 49.825 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Tgt Ion: 129 Resp: 93844
Ion Ratio Lower Upper
129 100
127 77.7 54.4 101.0



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

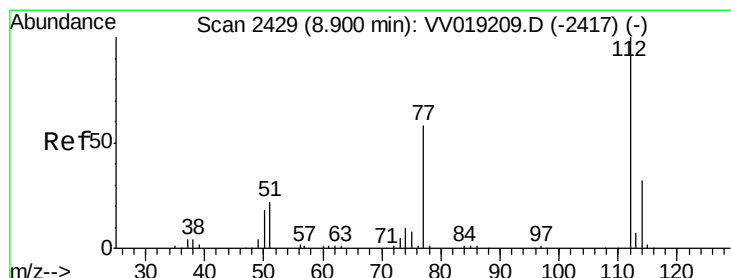
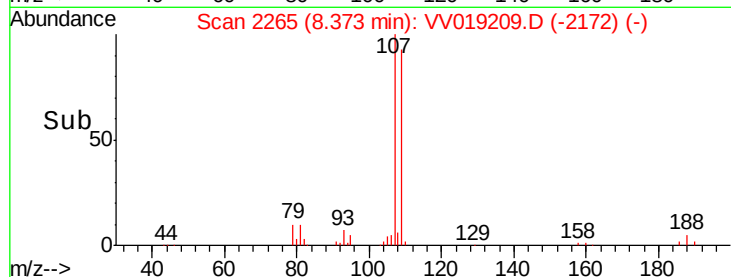
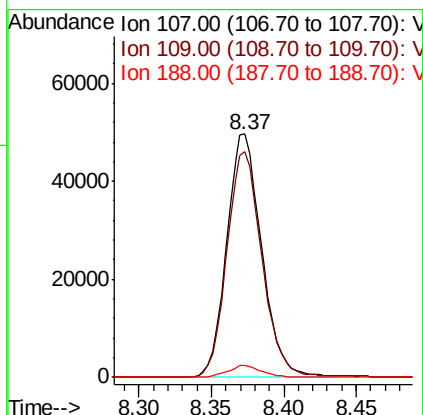
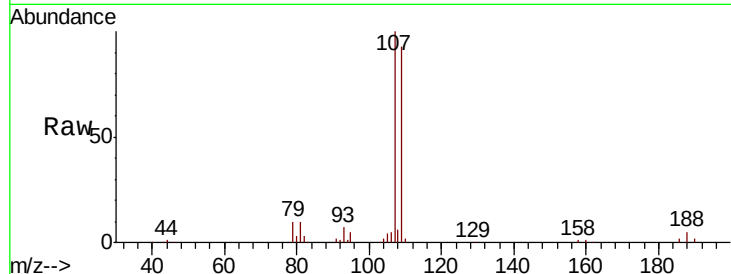




#50
1,2-Dibromoethane
Concen: 48.674 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

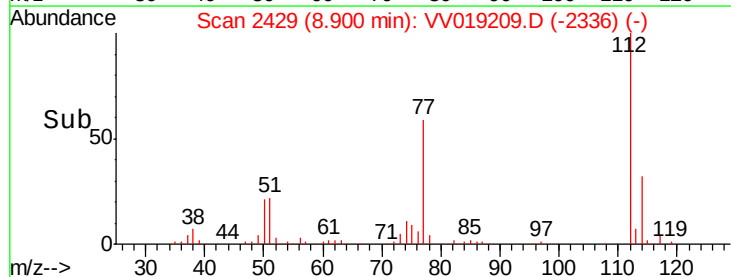
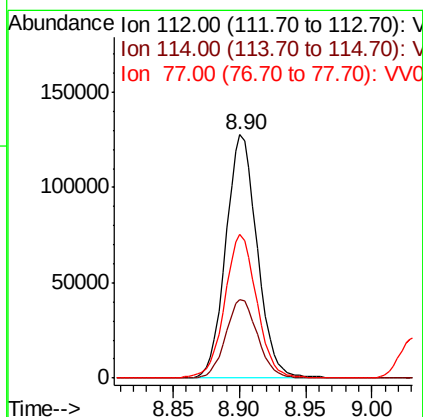
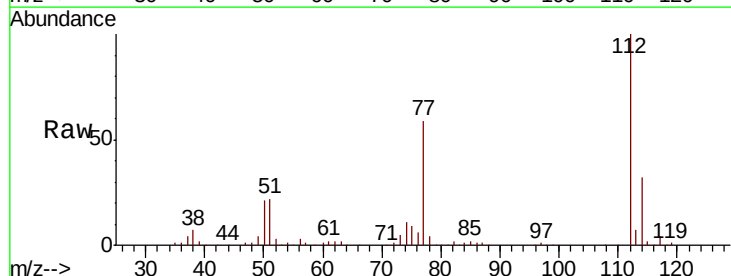
Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

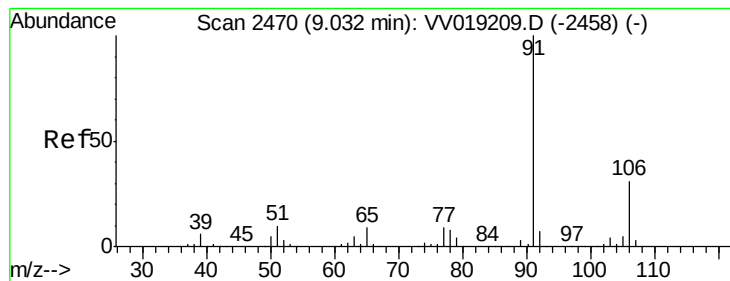
Tot Ion:107 Resp: 82923
Ion Ratio Lower Upper
107 100
109 92.6 64.8 120.4
188 4.8 3.8 5.8



#51
Chlorobenzene
Concen: 47.762 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Tgt Ion:112 Resp: 210480
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 59.1 47.3 70.9





#52

Ethylbenzene

Concen: 47.980 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

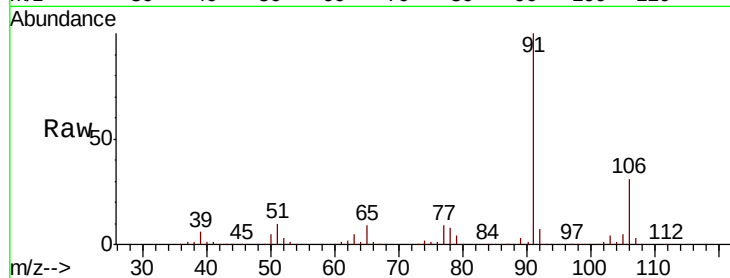
VSTD050304

Tot Ion: 91 Resp: 359518

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



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

Ion 106.00 (105.70 to 106.70): VV019209.D (-2458) (-)

9.03

250000

200000

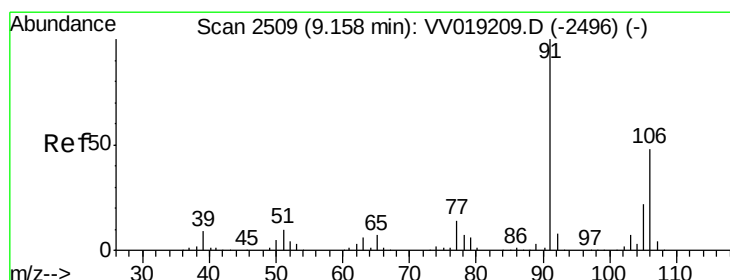
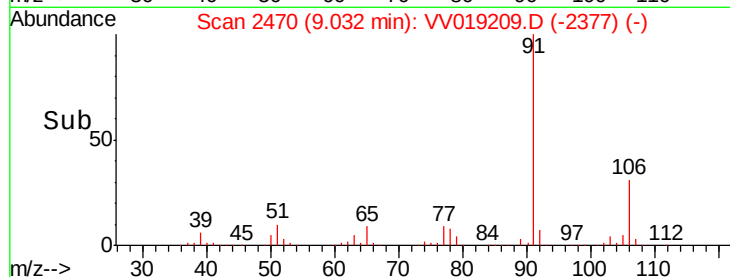
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 47.032 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019209.D

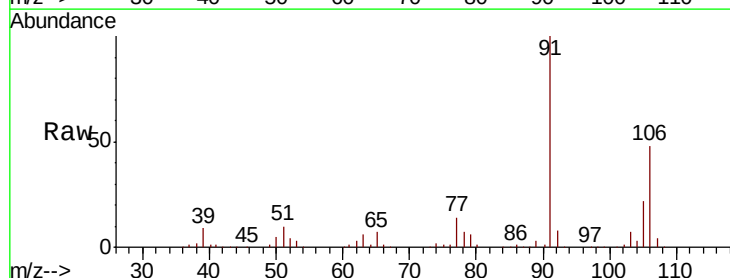
Acq: 02 Nov 2020 18:58

Tgt Ion: 106 Resp: 136091

Ion Ratio Lower Upper

106 100

91 210.3 147.2 273.4



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

Ion 91.00 (90.70 to 91.70): VV019209.D (-2496) (-)

9.16

200000

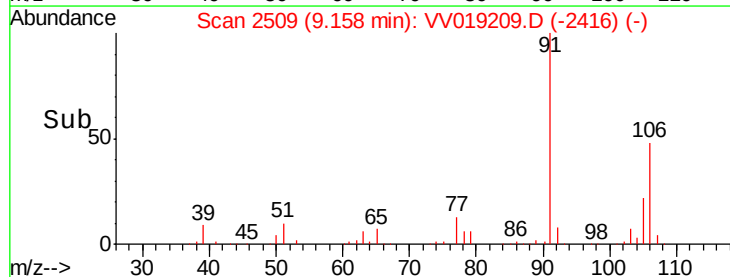
150000

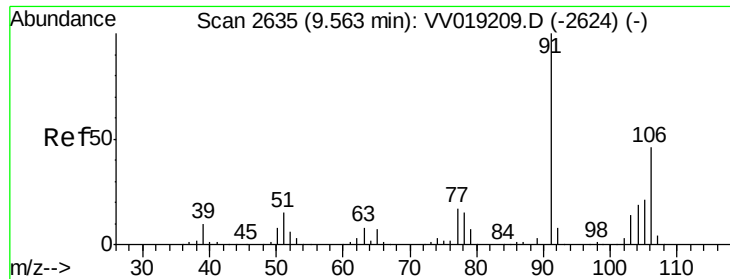
100000

50000

0

Time-->

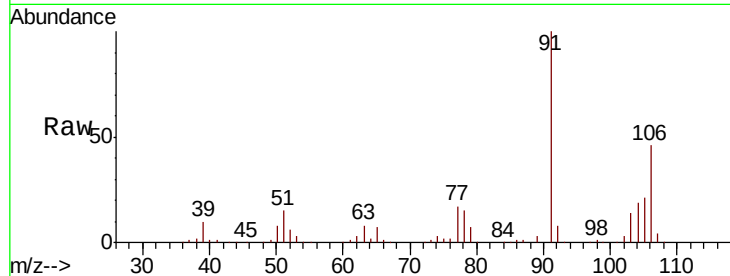




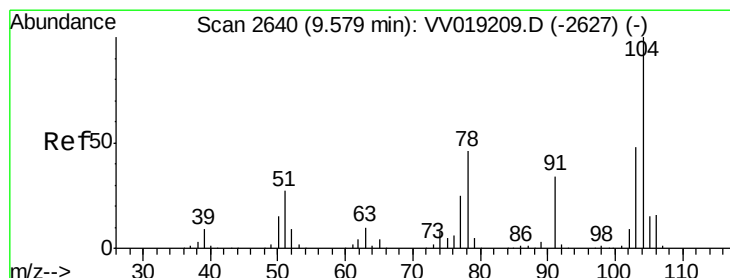
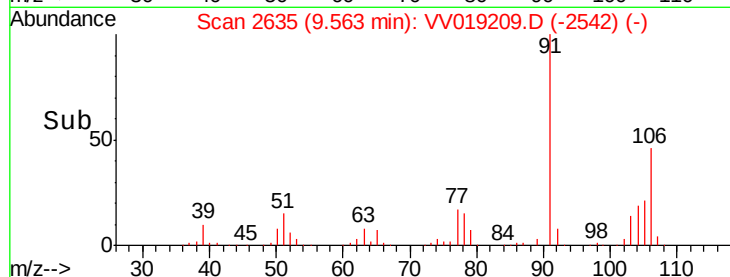
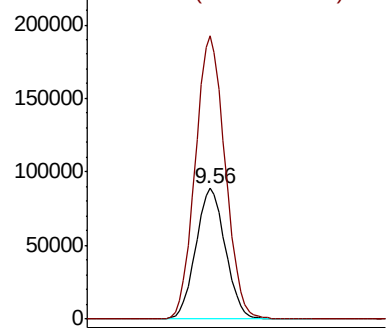
#54
o-Xylene
Concen: 48.066 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

Tot Ion:106 Resp: 133996
Ion Ratio Lower Upper
106 100
91 216.6 151.6 281.6

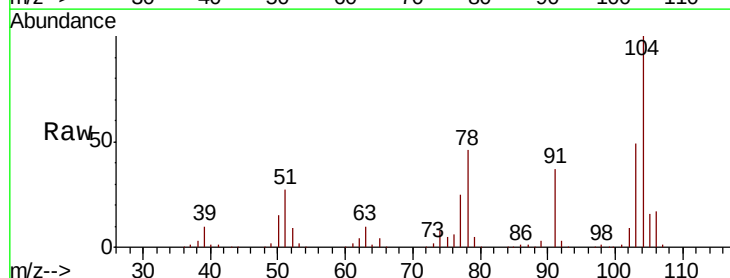


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

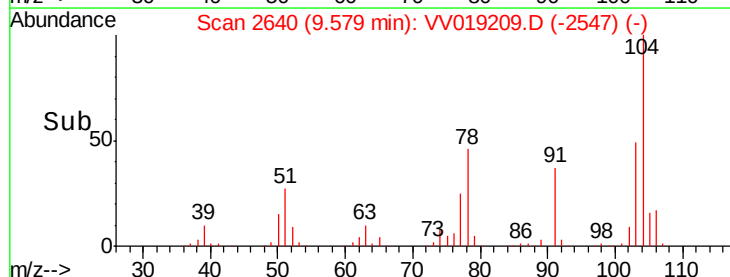
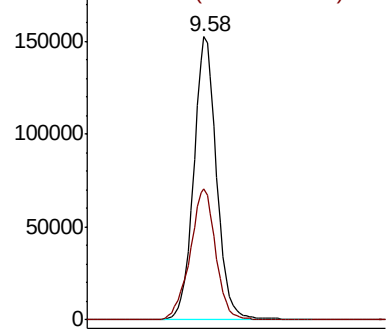


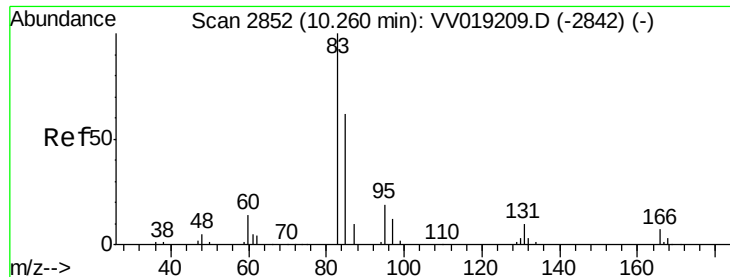
#55
Styrene
Concen: 50.468 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Tgt Ion:104 Resp: 241724
Ion Ratio Lower Upper
104 100
78 46.5 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: 48.131 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050304

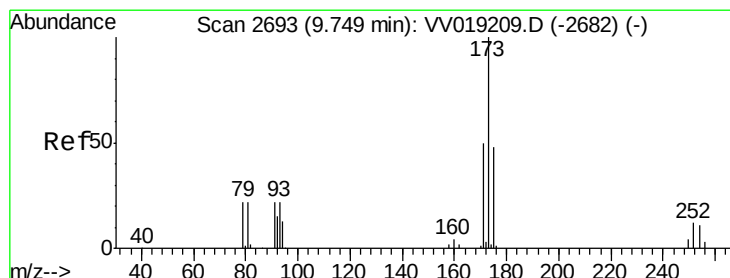
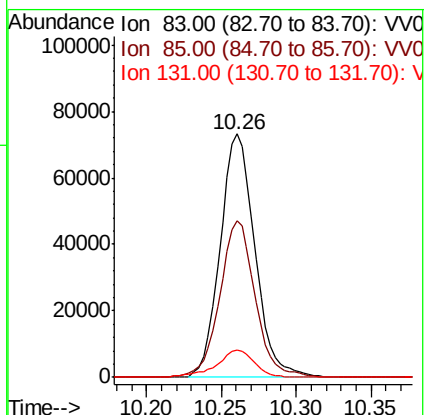
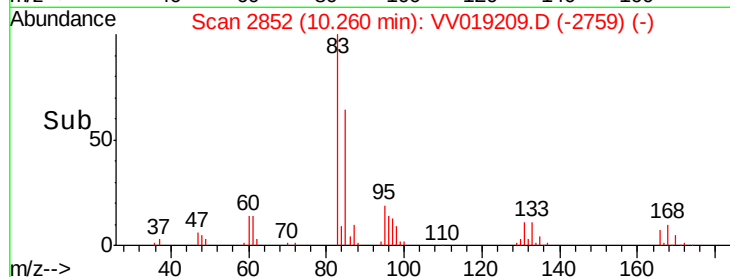
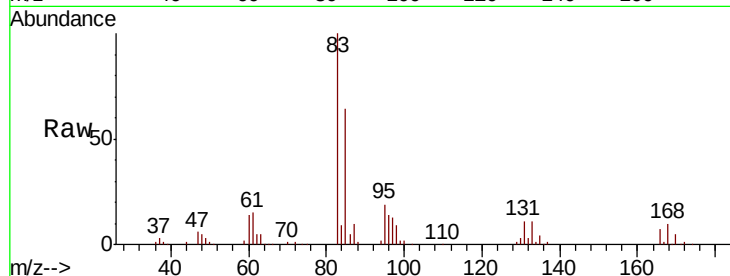
Tot Ion: 83 Resp: 118226

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

131 11.1 8.9 13.3



#59

Bromoform

Concen: 50.976 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

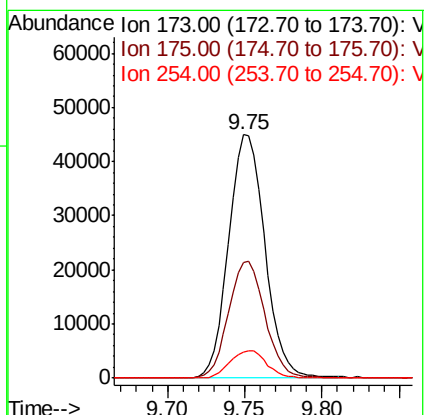
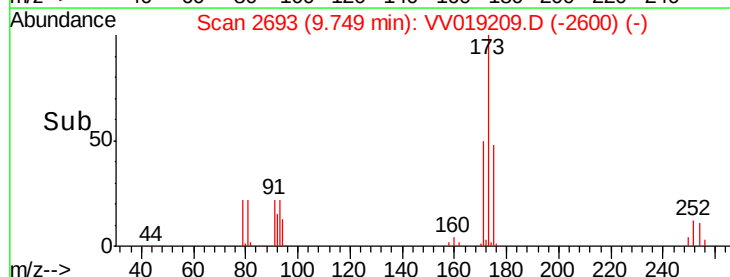
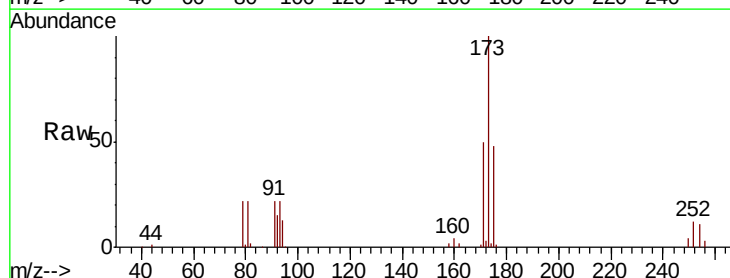
Tgt Ion: 173 Resp: 73242

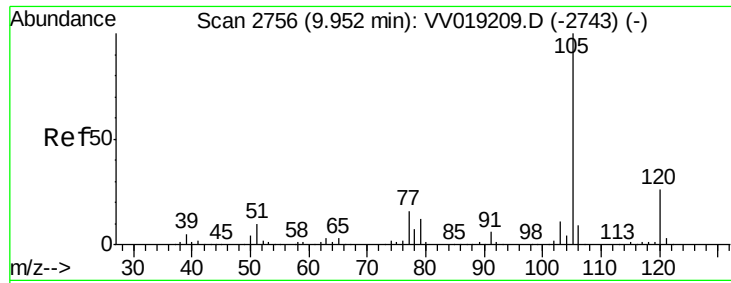
Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 11.3 9.0 13.6





#60

Isopropylbenzene

Concen: 45.103 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050304

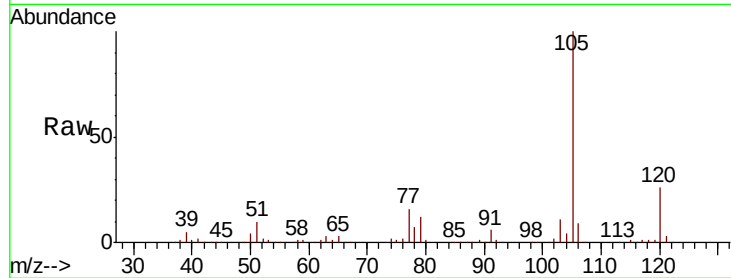
Tot Ion:105 Resp: 353581

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

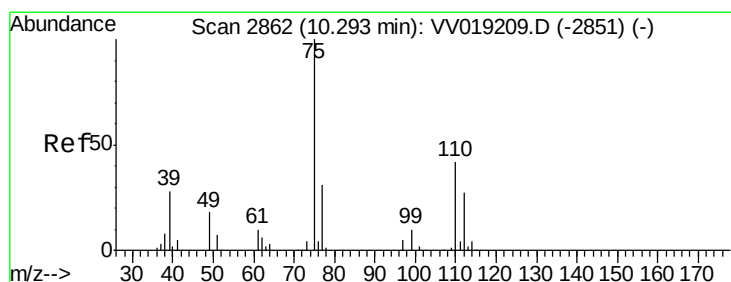
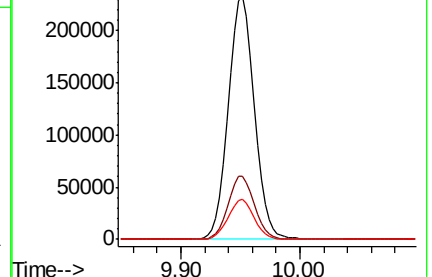
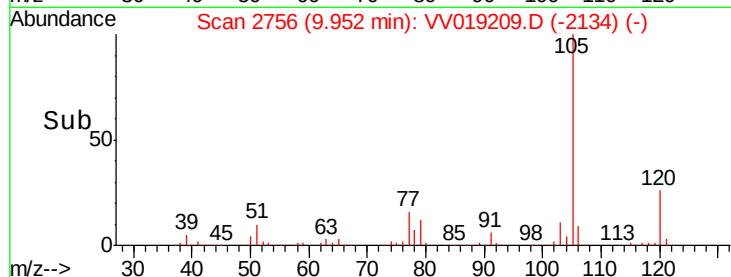
77 16.3 13.0 19.6



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: 48.616 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019209.D

Acq: 02 Nov 2020 18:58

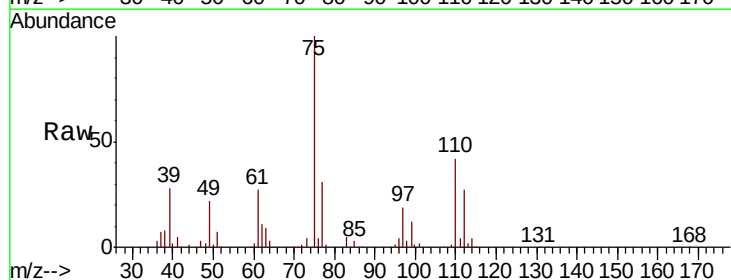
Tgt Ion: 75 Resp: 101501

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

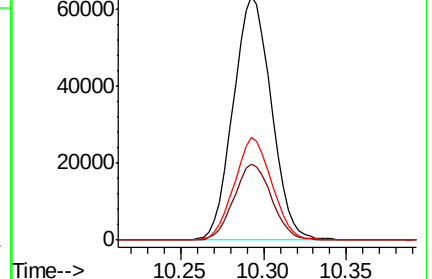
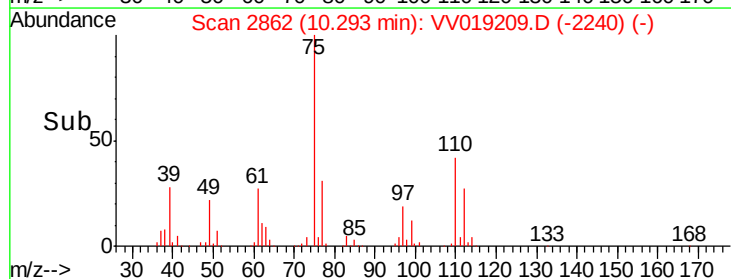
110 41.8 33.4 50.2

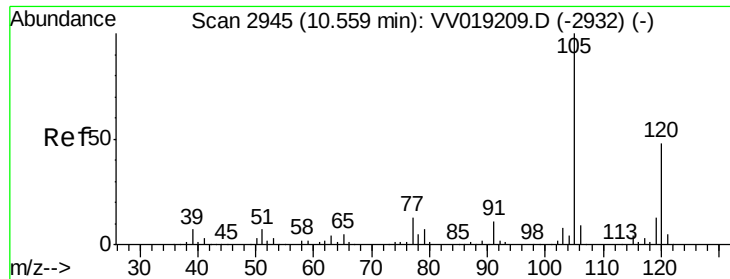


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

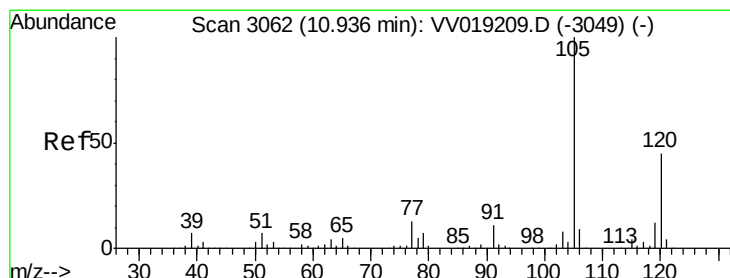
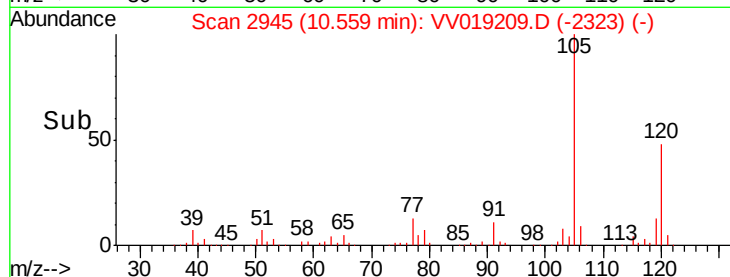
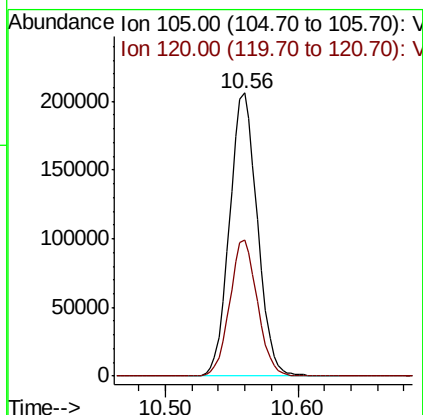
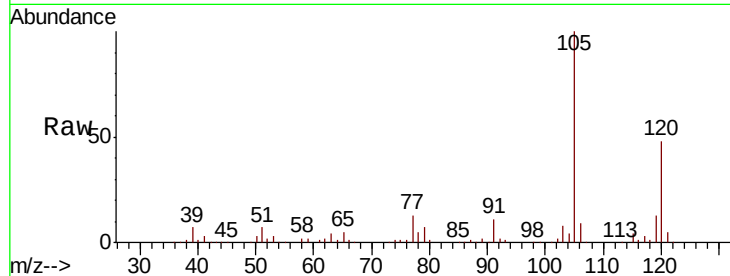




#62
 1,3,5-Trimethylbenzene
 Concen: 44.801 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

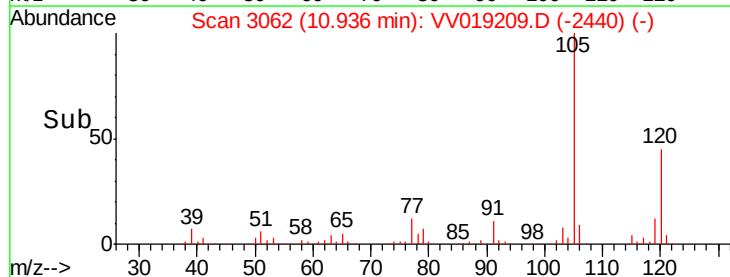
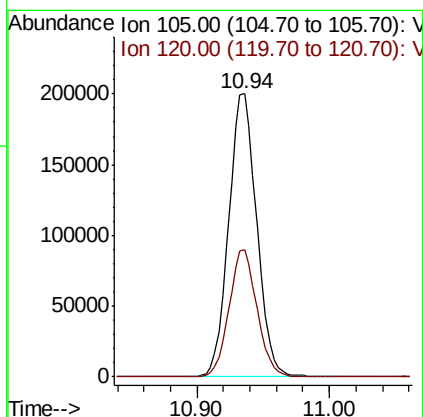
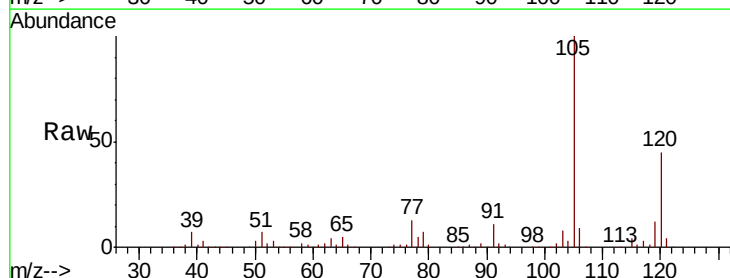
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

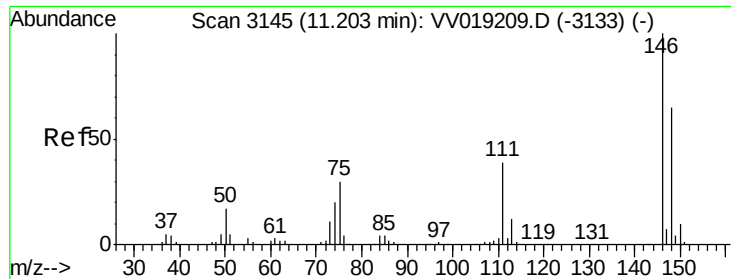
Tot Ion:105 Resp: 299798
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 44.931 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Tgt Ion:105 Resp: 293574
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.7 53.5

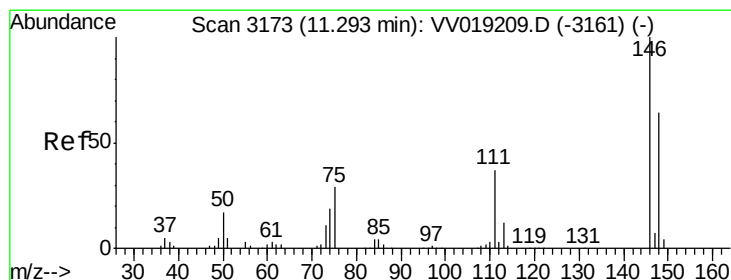
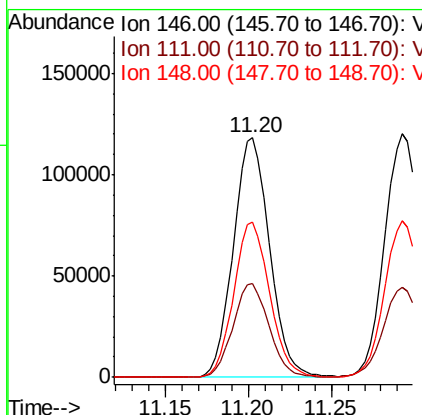
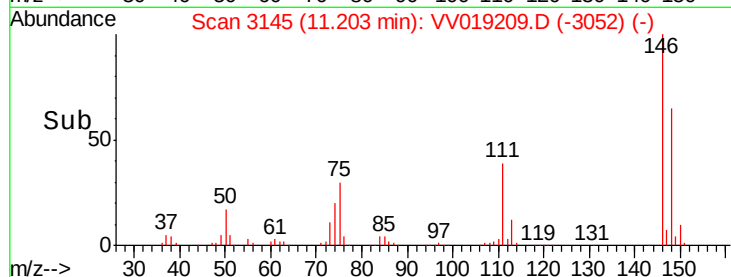
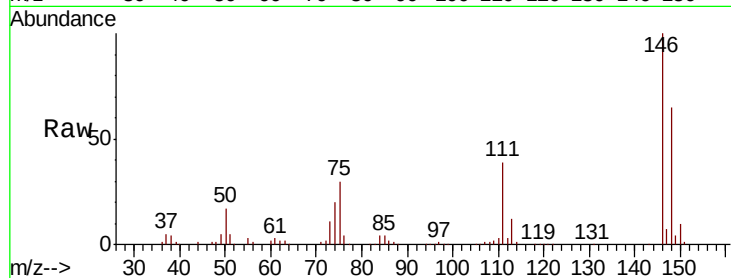




#64
 1,3-Dichlorobenzene
 Concen: 47.293 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

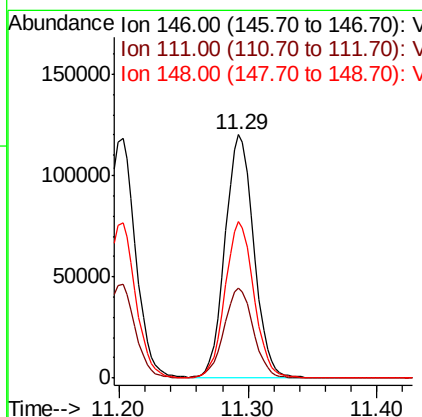
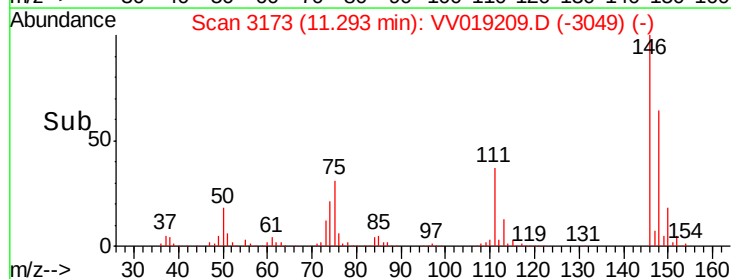
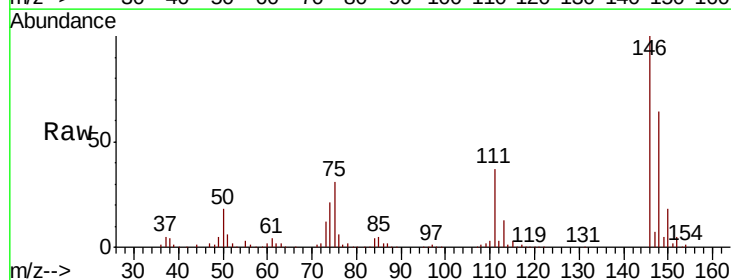
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

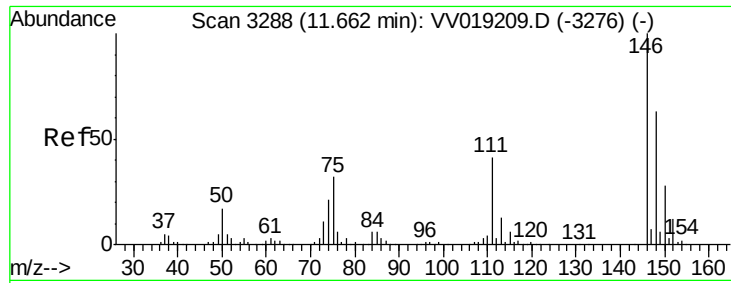
Tot Ion:146 Resp: 180406
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.3 50.7
 148 64.6 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 47.528 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Tgt Ion:146 Resp: 186549
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.9 48.1
 148 64.2 44.9 83.5

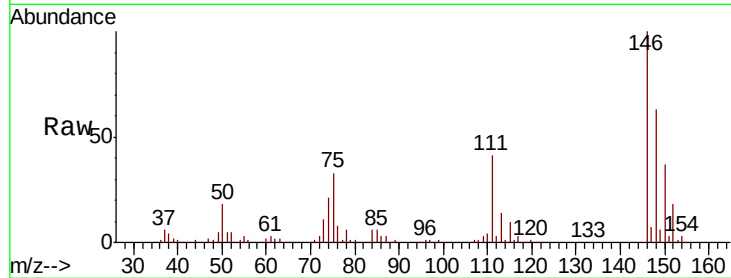




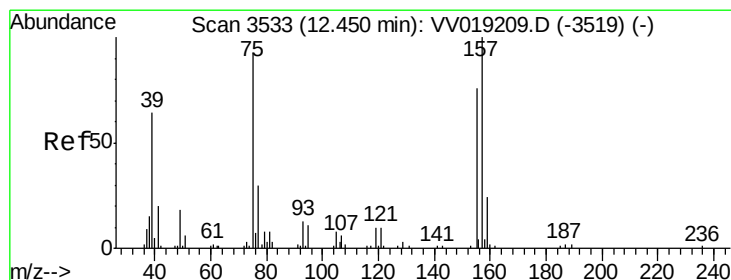
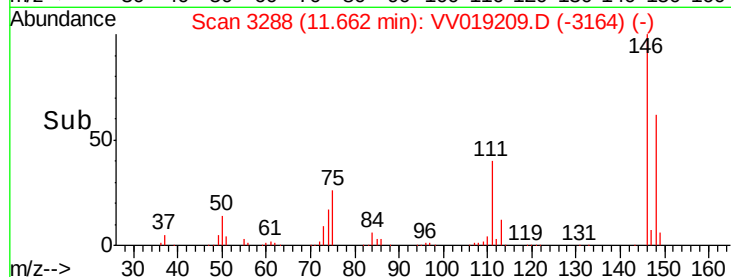
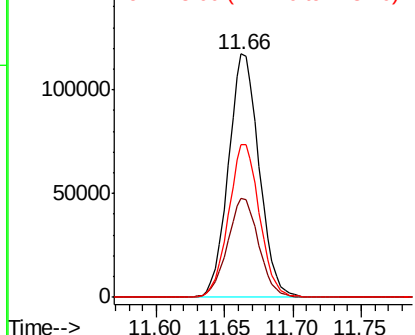
#67
 1,2-Dichlorobenzene
 Concen: 48.519 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

Tot Ion:146 Resp: 183293
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.6 48.8
 148 62.6 50.1 75.1

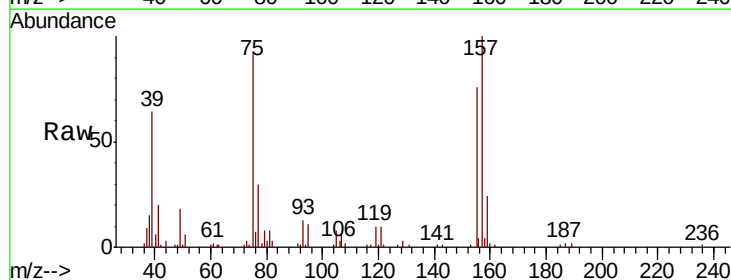


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

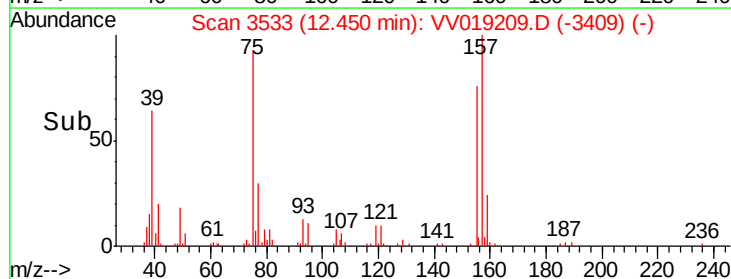
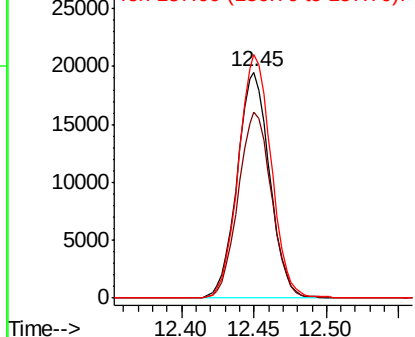


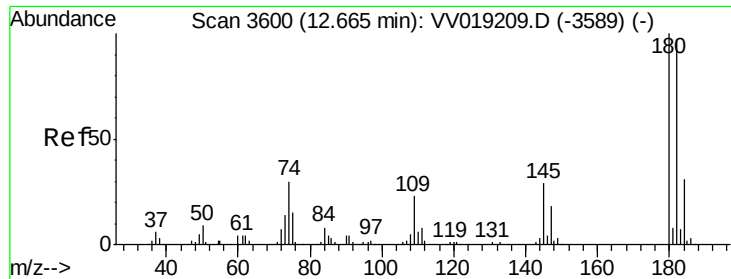
#68
 1,2-Dibromo-3-chloropropane
 Concen: 48.150 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Tgt Ion: 75 Resp: 30314
 Ion Ratio Lower Upper
 75 100
 155 82.2 65.8 98.6
 157 107.9 86.3 129.5



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

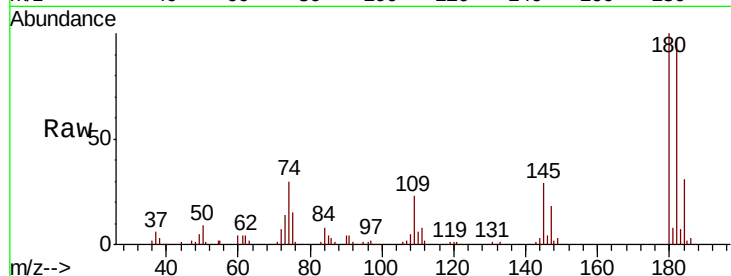




#69
 1,3,5-Trichlorobenzene
 Concen: 46.820 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.7	116.5
184	31.1	24.9	37.3
145	29.2	23.4	35.0



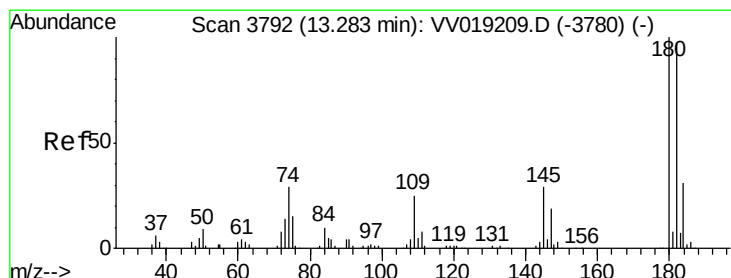
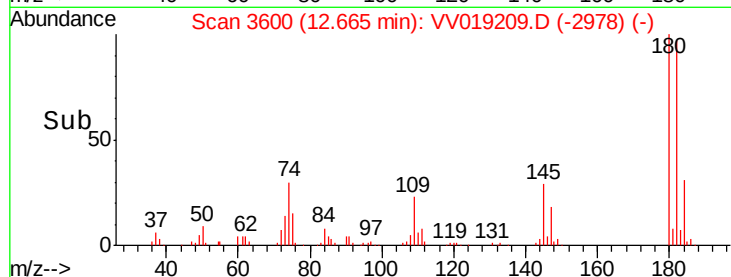
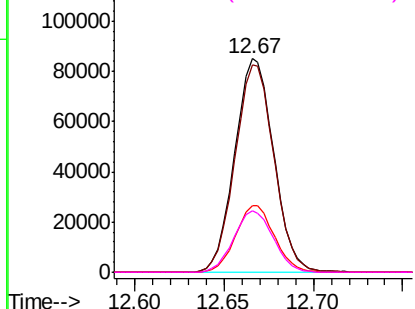
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

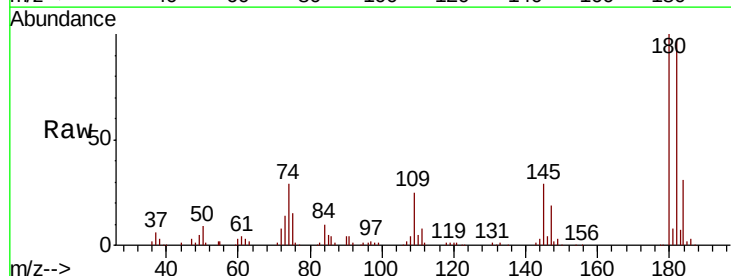
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 49.365 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019209.D
 Acq: 02 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	29.0	23.2	34.8

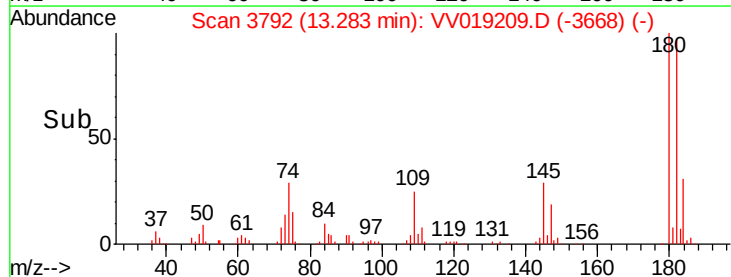
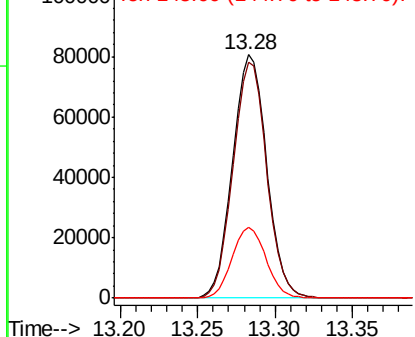


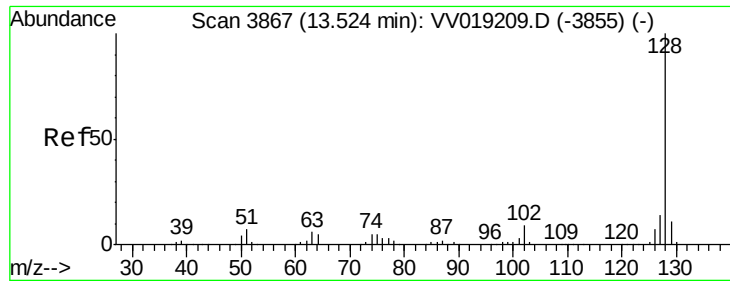
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

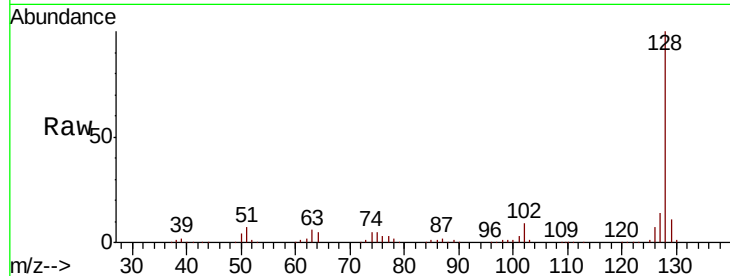




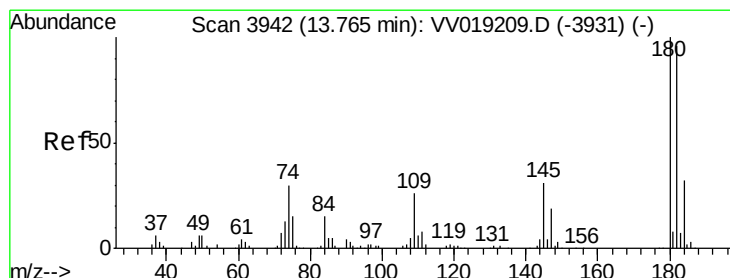
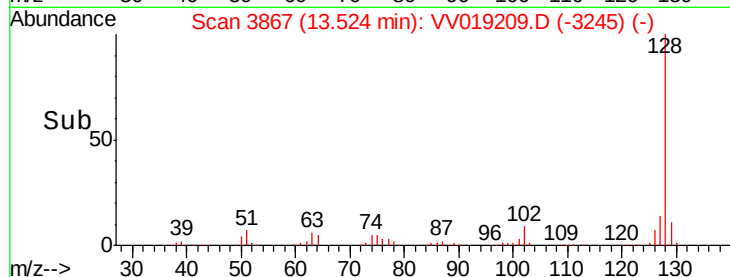
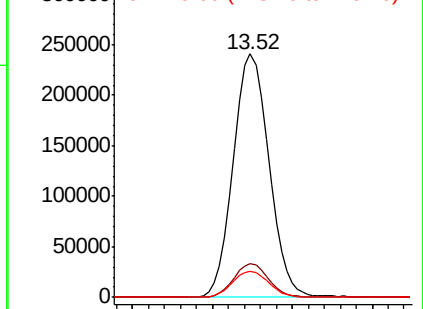
#71
Naphthalene
Concen: 48.633 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD050304

Tot Ion:128 Resp: 367224
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.6 13.0

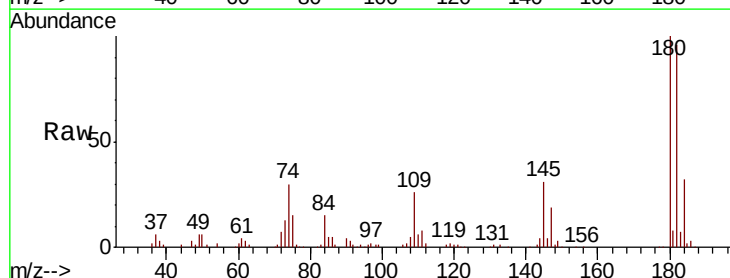


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 50.505 ug/L
RT: 13.77 min Scan# 3942
Delta R.T. 0.00 min
Lab File: VV019209.D
Acq: 02 Nov 2020 18:58

Tgt Ion:180 Resp: 124135
Ion Ratio Lower Upper
180 100
182 96.7 77.4 116.0
145 30.9 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

