

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019207.D
 Acq On : 02 Nov 2020 18:11
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Quant Time: Nov 03 04:31:35 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	224860	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217461	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	114104	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8240	8.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	17.22%#
7) Chloroethane-d5	1.58	69	6688	9.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	18.18%#
11) 1,1-Dichloroethene-d2	2.13	63	14844	8.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	16.80%#
21) 2-Butanone-d5	3.94	46	5935	7.54	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	7.54%#
24) Chloroform-d	4.38	84	14916	5.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	11.32%#
26) 1,2-Dichloroethane-d4	5.06	65	10848	6.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	12.68%#
32) Benzene-d6	5.08	84	27701	5.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	10.62%#
36) 1,2-Dichloropropane-d6	6.10	67	8409	5.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	10.66%#
41) Toluene-d8	7.34	98	24665	4.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	9.94%#
43) trans-1,3-Dichloropropene-	7.65	79	4181	4.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	9.44%#
47) 2-Hexanone-d5	8.12	63	4704	7.58	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	7.58%#
56) 1,1,2,2-Tetrachloroethane-	10.24	84	10643	4.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	9.82%#
66) 1,2-Dichlorobenzene-d4	11.65	152	10942	5.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	10.80%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	6080	3.917	ug/L 99
3) Chloromethane	1.25	50	6357	4.775	ug/L 95
5) Vinyl chloride	1.32	62	6358	5.720	ug/L 99
6) Bromomethane	1.53	94	4322	6.691	ug/L 98
8) Chloroethane	1.60	64	4258	7.028	ug/L 98
9) Trichlorofluoromethane	1.77	101	10838	5.488	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4915	5.700	ug/L 99
12) 1,1-Dichloroethene	2.14	96	5388	6.578	ug/L 92
13) Acetone	2.19	43	6816	10.369	ug/L 99
14) Carbon disulfide	2.31	76	15475	4.640	ug/L 97
15) Methyl Acetate	2.46	43	5801	4.664	ug/L 97
16) Methylene chloride	2.52	84	6500	4.431	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	5744	4.288	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	18853	4.163	ug/L 98
19) 1,1-Dichloroethane	3.22	63	11667	4.792	ug/L 96
20) cis-1,2-Dichloroethene	3.95	96	6057	3.878	ug/L 95
23) Bromochloromethane	4.29	128	3302	4.182	ug/L 83

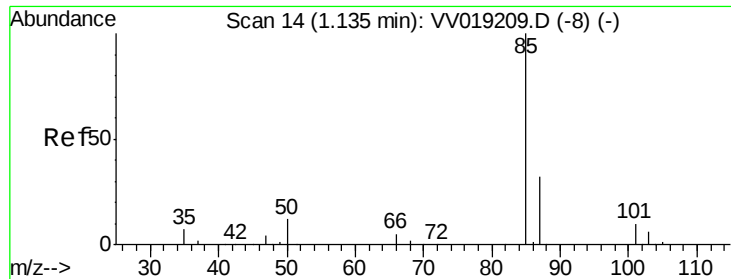
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
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 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:30:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	11960	4.361	ug/L	93
27) 1,2-Dichloroethane	5.16	62	9815	4.660	ug/L	98
29) Cyclohexane	4.70	56	6965	3.322	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	11047	4.469	ug/L	97
31) Carbon tetrachloride	4.86	117	9330	4.250	ug/L	92
33) Benzene	5.13	78	22612	3.998	ug/L	100
34) Trichloroethene	5.95	95	6761	4.379	ug/L	96
35) Methylcyclohexane	6.16	83	6698	2.878	ug/L	96
37) 1,2-Dichloropropane	6.20	63	6263	4.496	ug/L	97
38) Bromodichloromethane	6.54	83	8388	3.893	ug/L	93
39) cis-1,3-Dichloropropene	7.05	75	8961	3.691	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	14239	7.948	ug/L	99
42) Toluene	7.41	91	23469	3.778	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	8623	3.726	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	6009	4.066	ug/L	99
46) Tetrachloroethene	8.00	164	5253	4.229	ug/L	97
48) 2-Hexanone	8.16	43	10763	7.773	ug/L	94
49) Dibromochloromethane	8.27	129	6811	3.815	ug/L	90
50) 1,2-Dibromoethane	8.38	107	6035	3.737	ug/L	100
51) Chlorobenzene	8.90	112	16812	4.025	ug/L	97
52) Ethylbenzene	9.03	91	25555	3.598	ug/L	96
53) m,p-Xylene	9.16	106	9360	3.413	ug/L	97
54) o-Xylene	9.56	106	9205	3.484	ug/L	100
55) Styrene	9.58	104	15629	3.443	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.26	83	9115	3.915	ug/L	98
59) Bromoform	9.76	173	5117	3.931	ug/L	95
60) Isopropylbenzene	9.95	105	23635	3.328	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	7999	4.229	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	18634	3.074	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	18229	3.080	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	12845	3.717	ug/L	99
65) 1,4-Dichlorobenzene	11.30	146	13378	3.763	ug/L	95
67) 1,2-Dichlorobenzene	11.67	146	14002	4.092	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.45	75	2040	3.577	ug/L	92
69) 1,3,5-Trichlorobenzene	12.67	180	9600	3.854	ug/L	96
70) 1,2,4-trichlorobenzene	13.29	180	8243	3.639	ug/L	94
71) Naphthalene	13.53	128	17975	2.628	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	7750	3.481	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 3.917 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

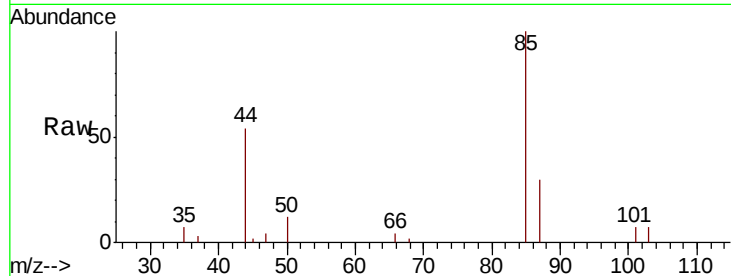
VSTD005302

Tot Ion: 85 Resp: 6080

Ion Ratio Lower Upper

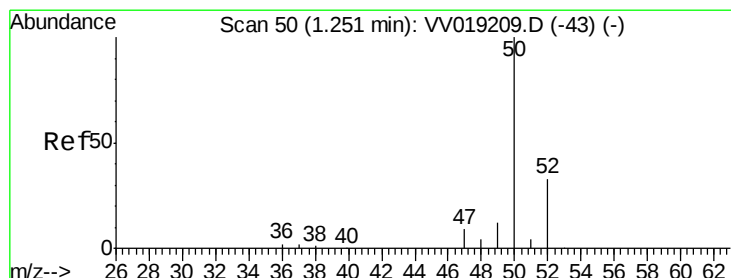
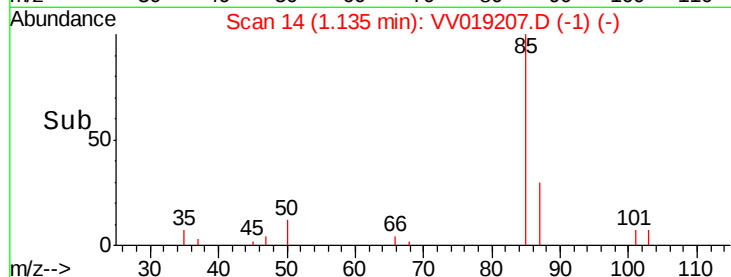
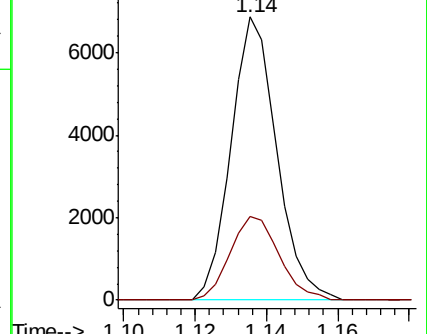
85 100

87 31.6 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: 4.775 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019207.D

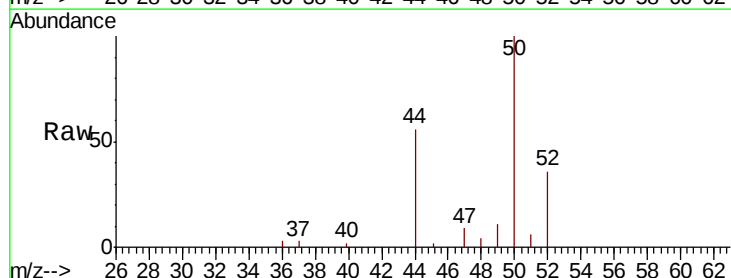
Acq: 02 Nov 2020 18:11

Tgt Ion: 50 Resp: 6357

Ion Ratio Lower Upper

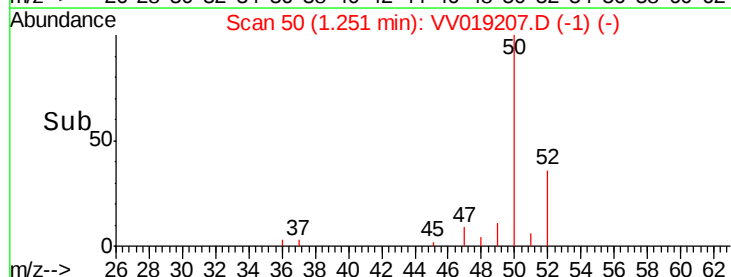
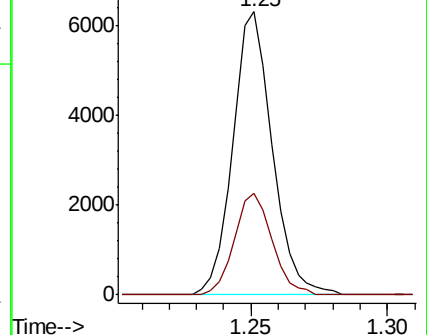
50 100

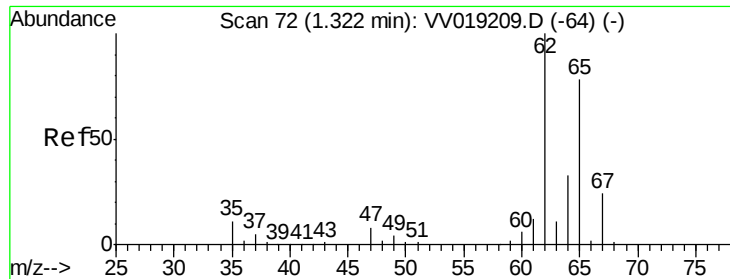
52 35.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 5.720 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

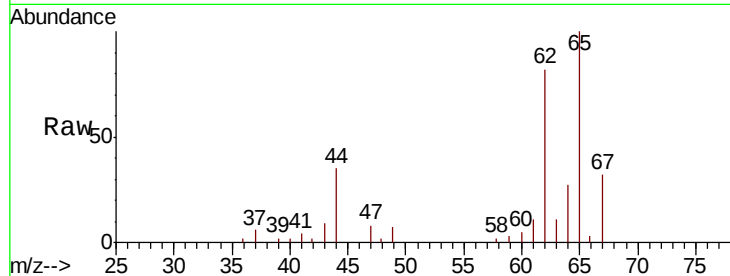
VSTD005302

Tot Ion: 62 Resp: 6358

Ion Ratio Lower Upper

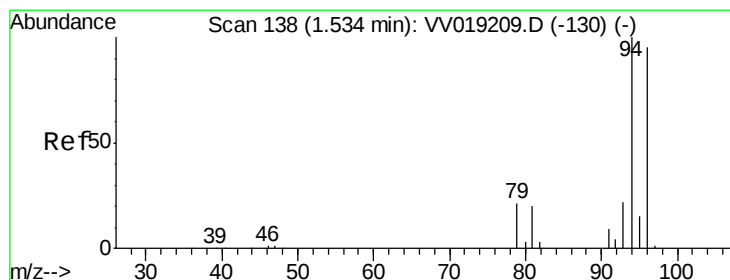
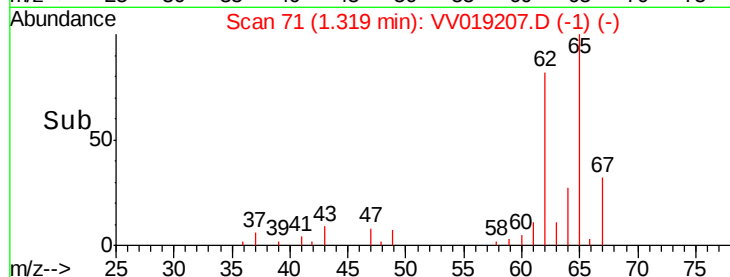
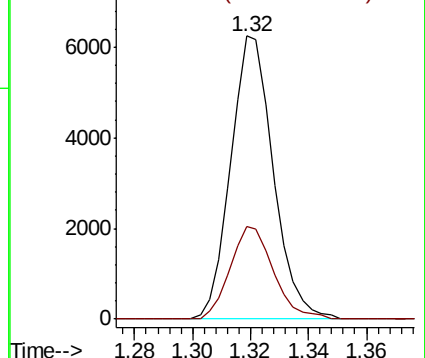
62 100

64 32.8 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: 6.691 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019207.D

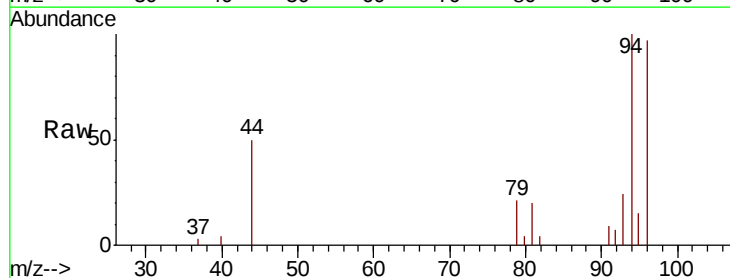
Acq: 02 Nov 2020 18:11

Tgt Ion: 94 Resp: 4322

Ion Ratio Lower Upper

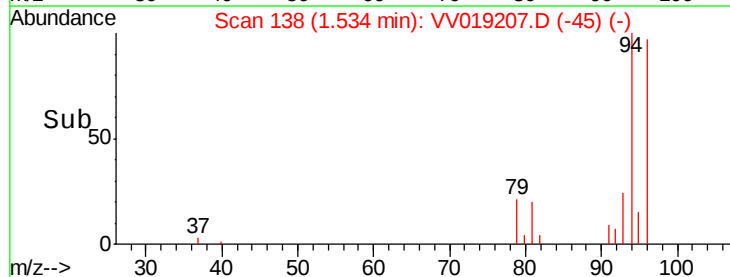
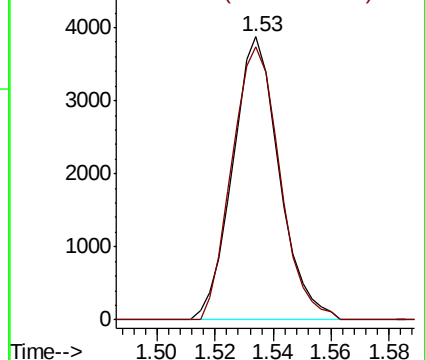
94 100

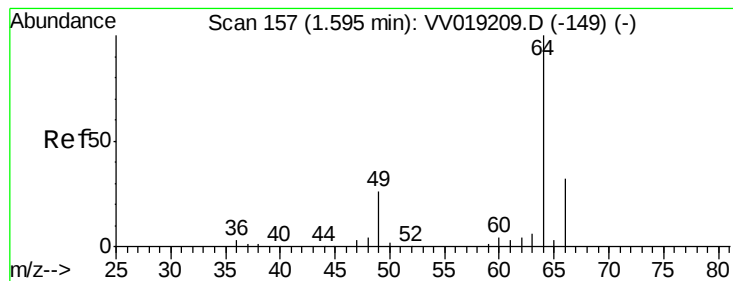
96 96.6 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 7.028 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

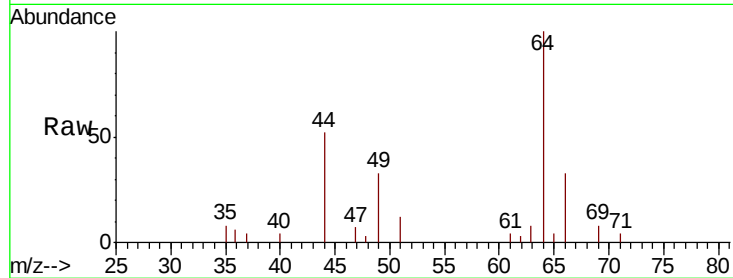
VSTD005302

Tot Ion: 64 Resp: 4258

Ion Ratio Lower Upper

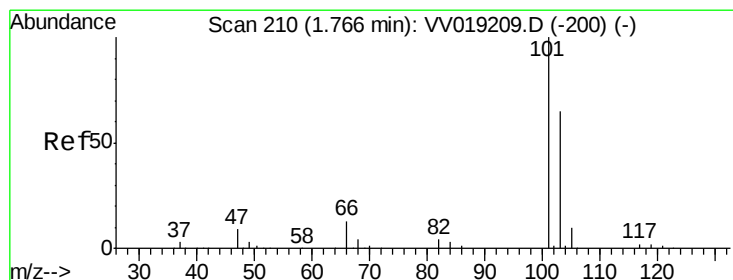
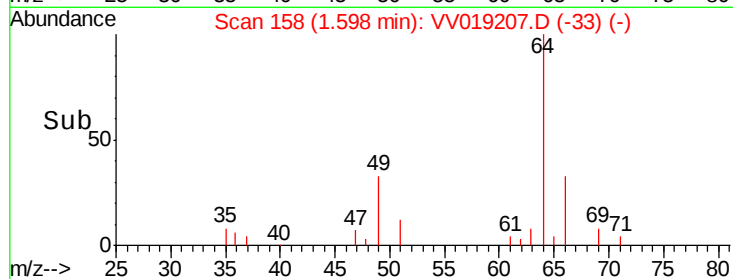
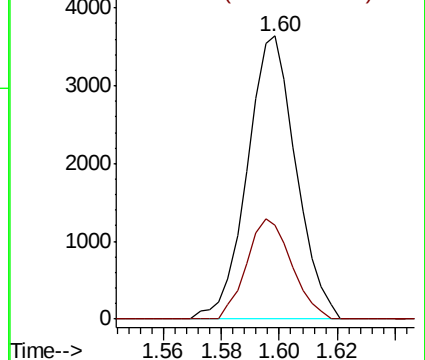
64 100

66 33.4 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019209.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV019209.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 5.488 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019207.D

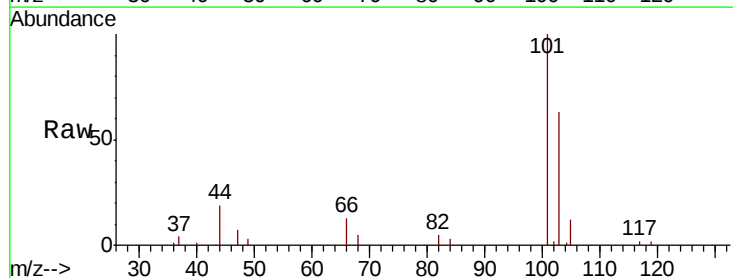
Acq: 02 Nov 2020 18:11

Tgt Ion: 101 Resp: 10838

Ion Ratio Lower Upper

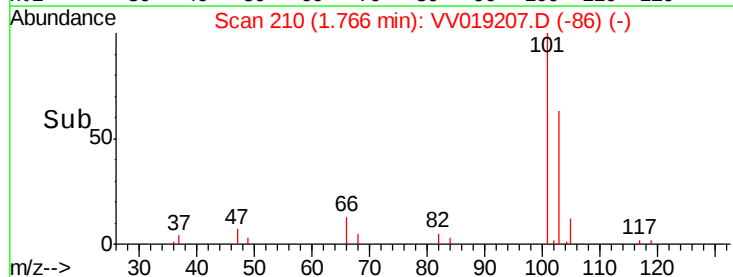
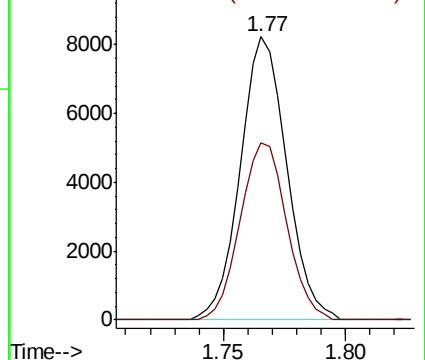
101 100

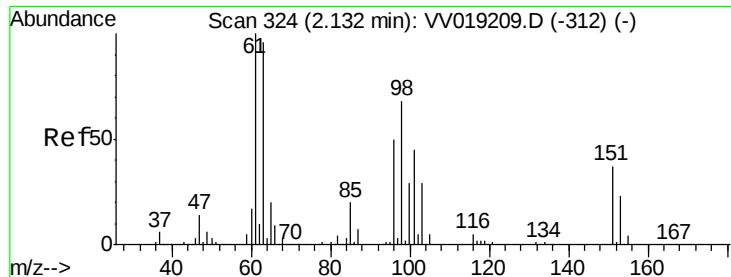
103 62.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV019209.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV019209.D (-200) (-)





#10

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

Concen: 5.700 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

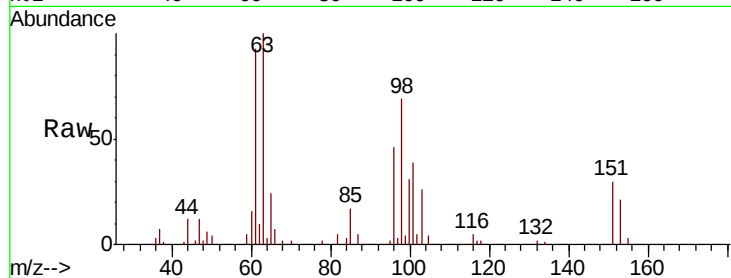
Tot Ion:101 Resp: 4915

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

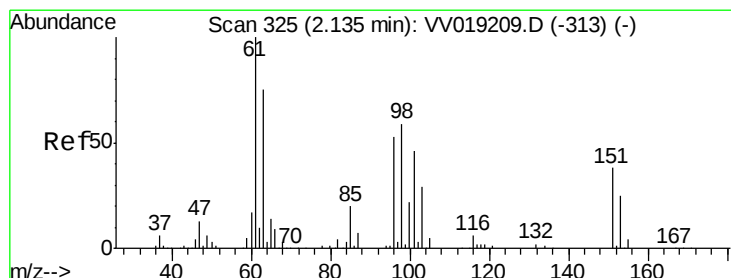
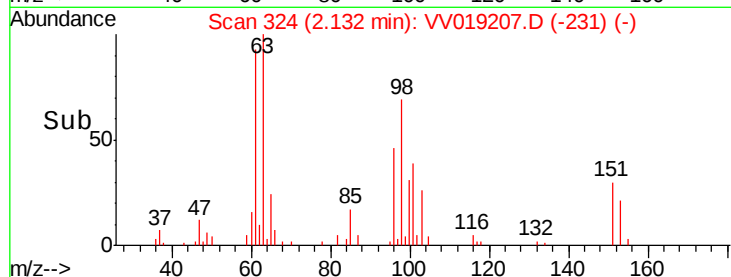
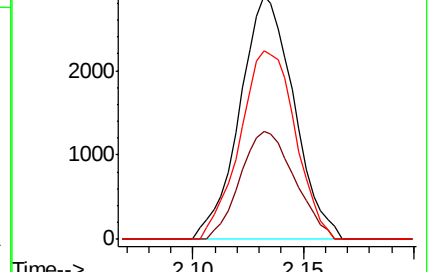
151 79.1 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV019209.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV019209.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV019209.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 6.578 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

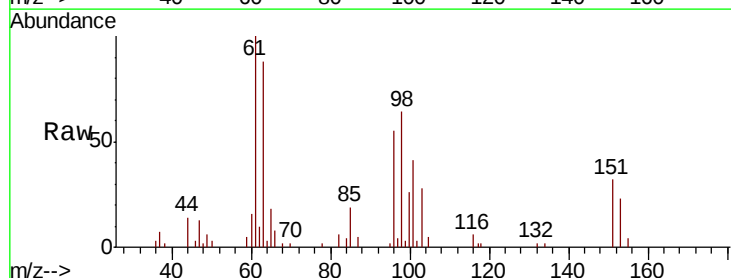
Tgt Ion: 96 Resp: 5388

Ion Ratio Lower Upper

96 100

61 180.8 133.6 248.0

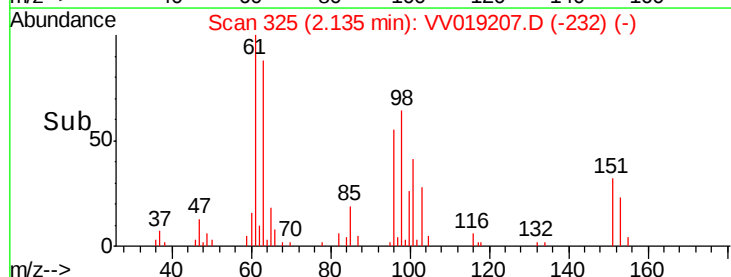
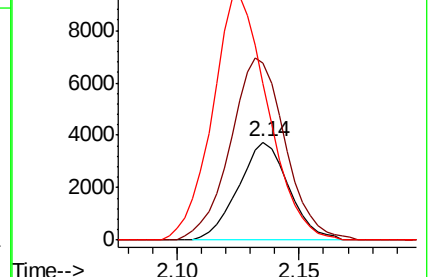
63 159.1 103.0 191.2

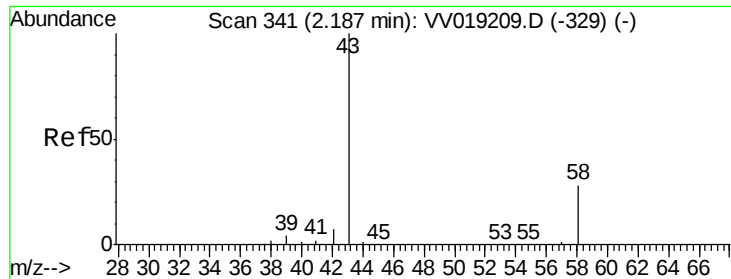


Abundance Ion 96.00 (95.70 to 96.70): VV019209.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV019209.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV019209.D (-313) (-)





#13

Acetone

Concen: 10.369 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

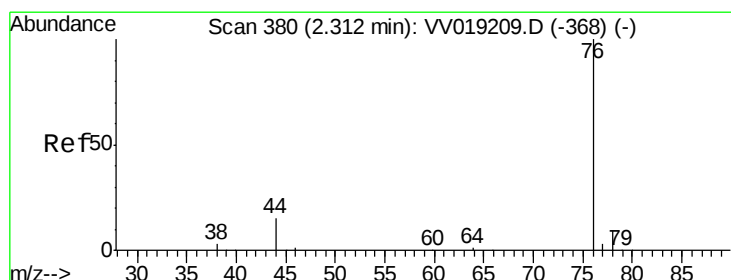
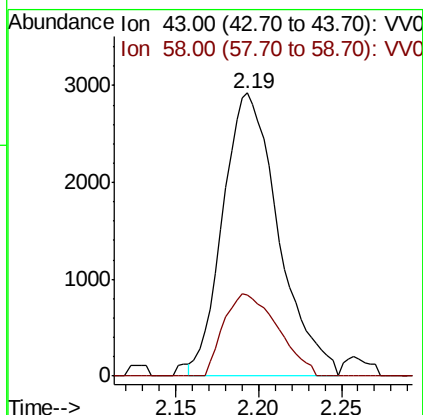
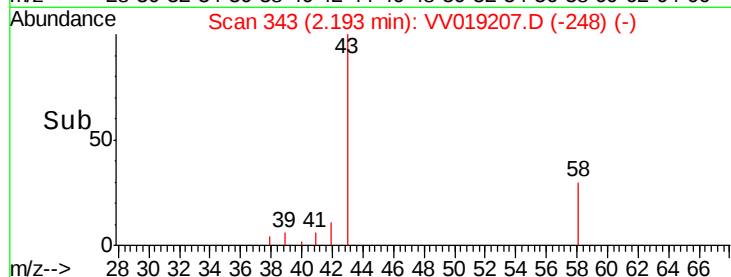
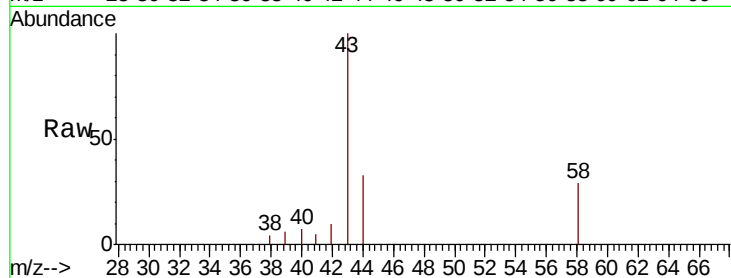
VSTD005302

Tot Ion: 43 Resp: 6816

Ion Ratio Lower Upper

43 100

58 28.2 0.0 57.8



#14

Carbon disulfide

Concen: 4.640 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019207.D

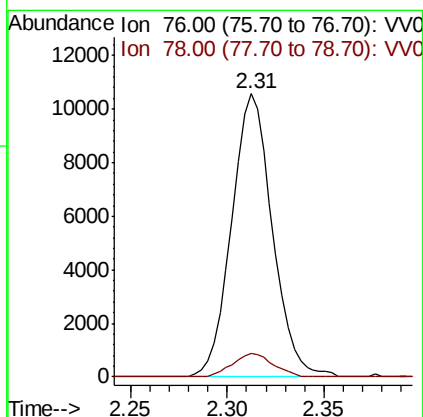
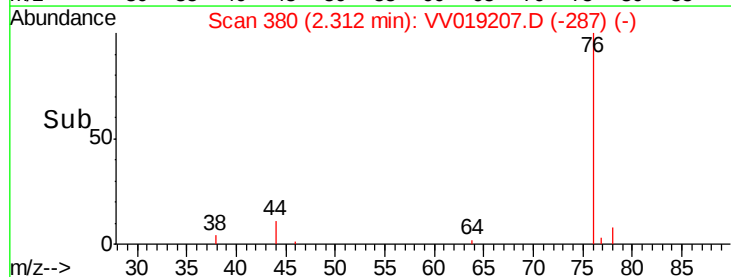
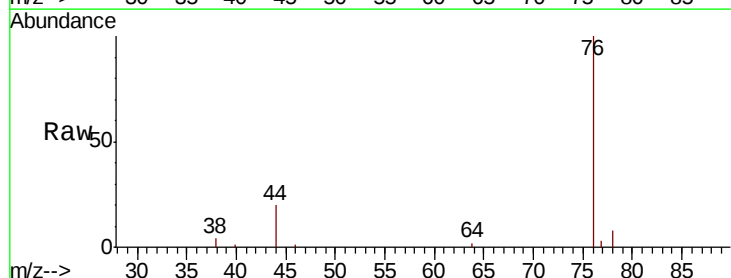
Acq: 02 Nov 2020 18:11

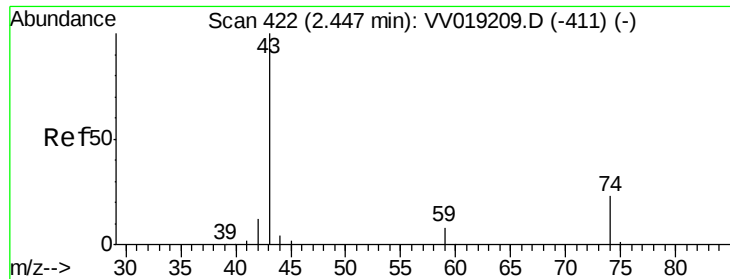
Tgt Ion: 76 Resp: 15475

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0

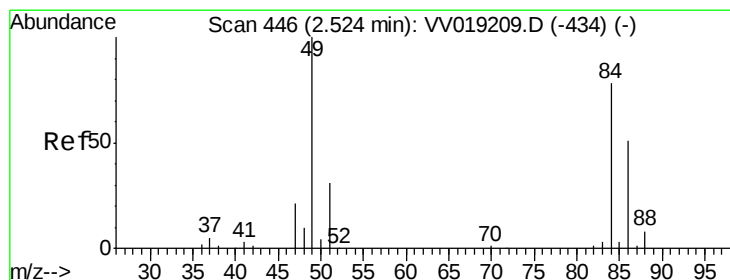
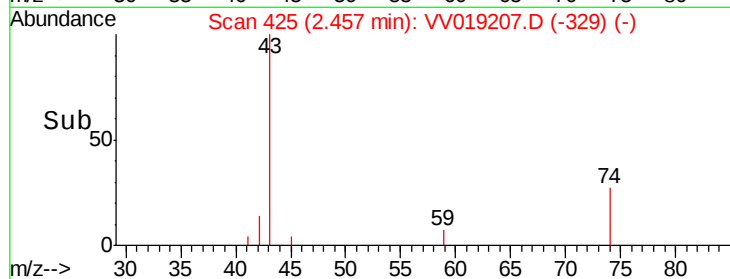
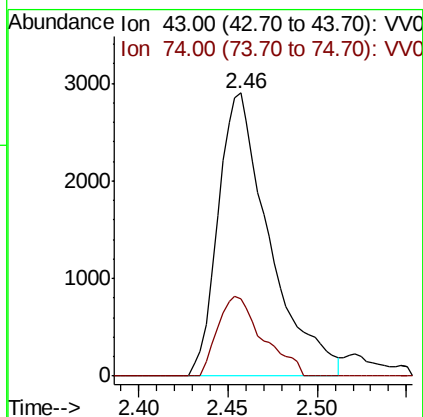
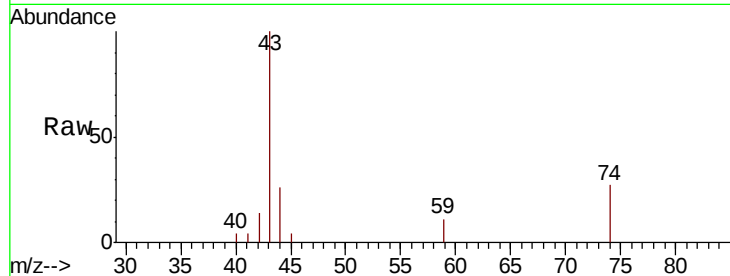




#15
Methvl Acetate
Concen: 4.664 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019207.D
Acq: 02 Nov 2020 18:11

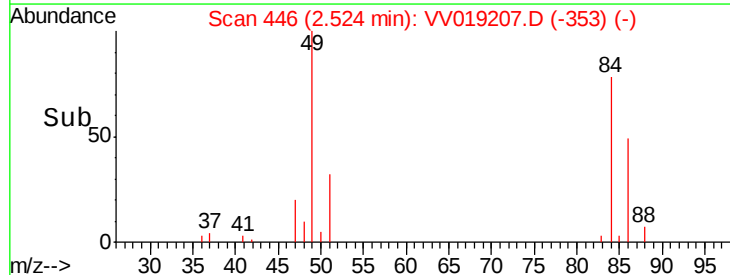
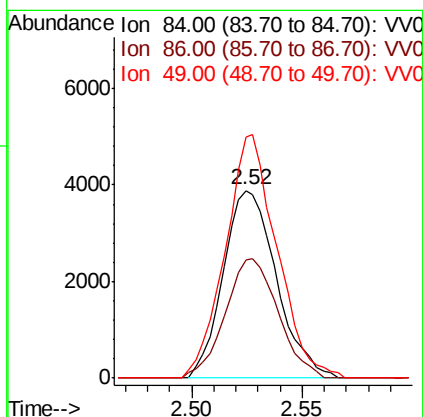
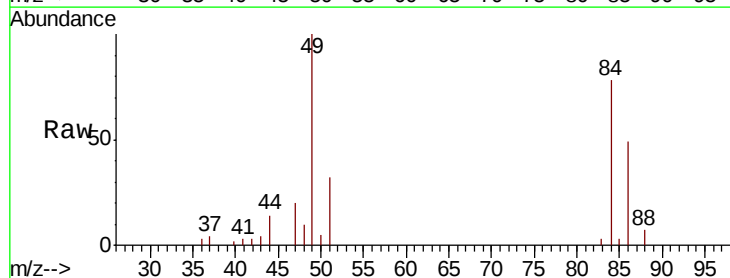
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

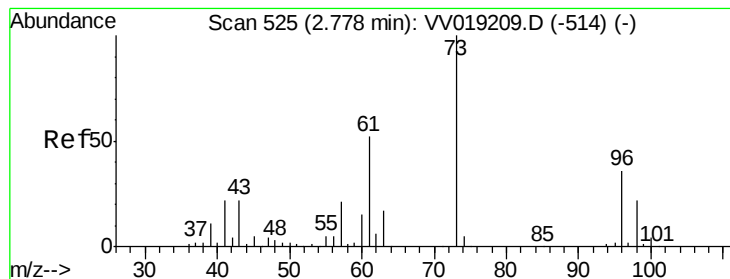
Tot Ion: 43 Resp: 5801
Ion Ratio Lower Upper
43 100
74 24.7 18.8 28.2



#16
Methylene chloride
Concen: 4.431 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019207.D
Acq: 02 Nov 2020 18:11

Tgt Ion: 84 Resp: 6500
Ion Ratio Lower Upper
84 100
86 63.1 45.6 84.8
49 128.4 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 4.288 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

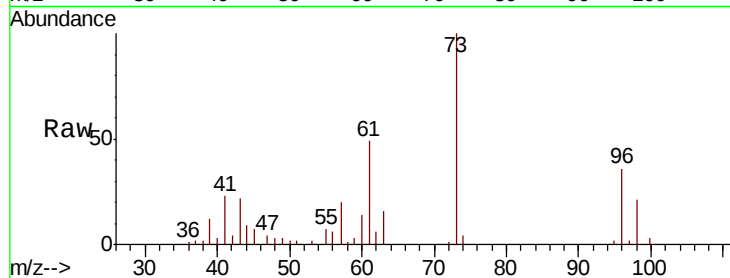
Tot Ion: 96 Resp: 5744

Ion Ratio Lower Upper

96 100

61 136.8 100.7 187.1

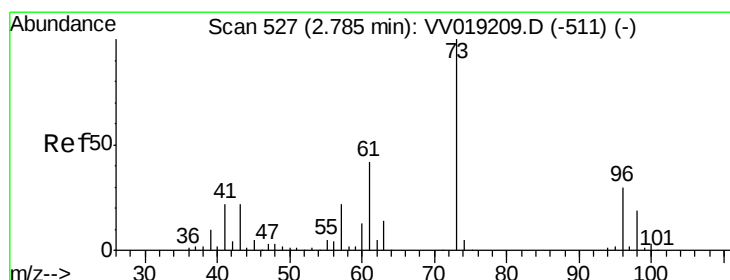
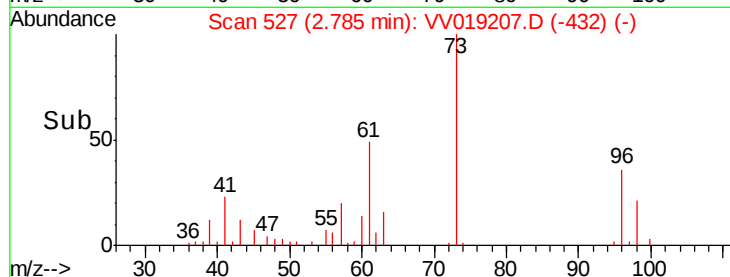
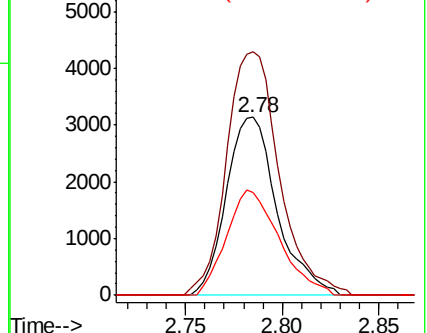
98 57.8 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VV019209.D (-514) (-)

Ion 61.00 (60.70 to 61.70): VV019209.D (-514) (-)

Ion 98.00 (97.70 to 98.70): VV019209.D (-514) (-)



#18

Methyl tert-butyl Ether

Concen: 4.163 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

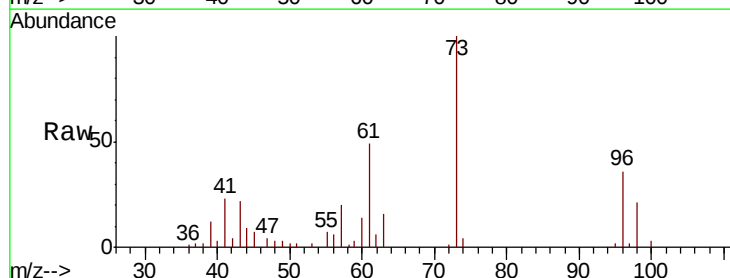
Tgt Ion: 73 Resp: 18853

Ion Ratio Lower Upper

73 100

43 21.9 17.9 26.9

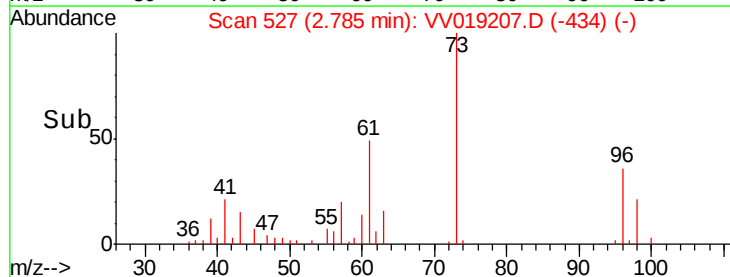
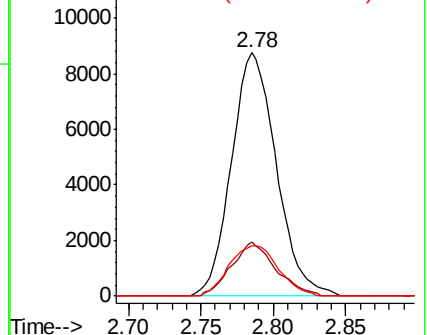
57 22.7 17.1 25.7

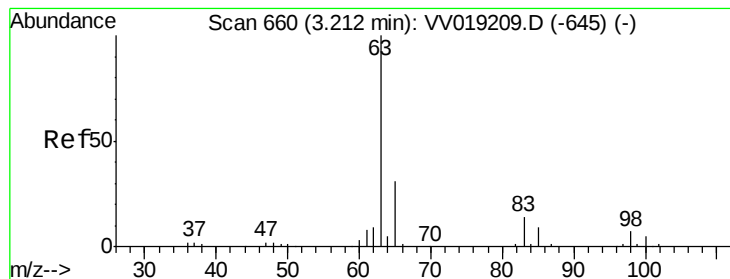


Abundance Ion 73.00 (72.70 to 73.70): VV019209.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VV019209.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VV019209.D (-511) (-)





#19

1,1-Dichloroethane

Concen: 4.792 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

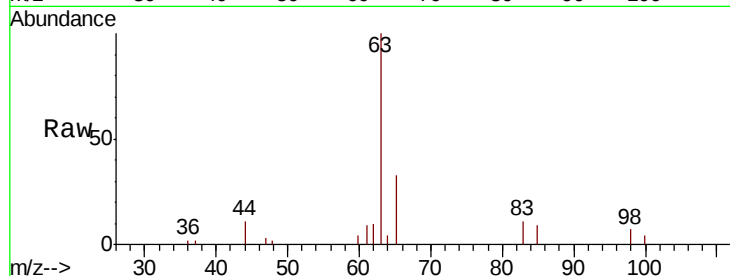
Tot Ion: 63 Resp: 11667

Ion Ratio Lower Upper

63 100

65 33.4 21.8 40.6

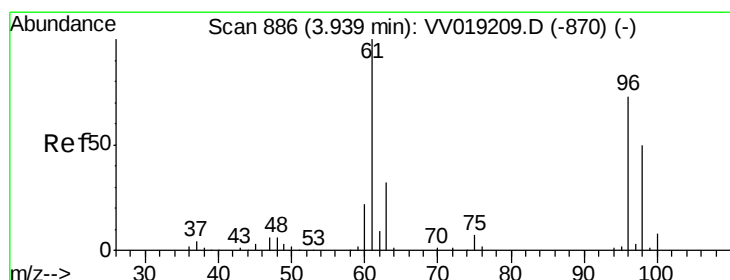
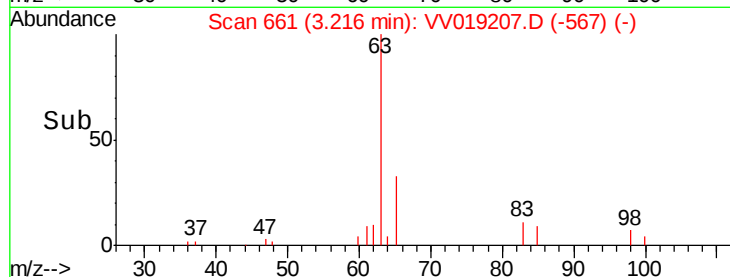
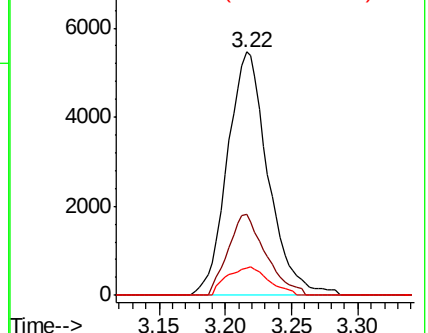
83 11.4 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV019209.D (-645) (-)

Ion 65.00 (64.70 to 65.70): VV019209.D (-645) (-)

Ion 83.00 (82.70 to 83.70): VV019209.D (-645) (-)



#20

cis-1,2-Dichloroethene

Concen: 3.878 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

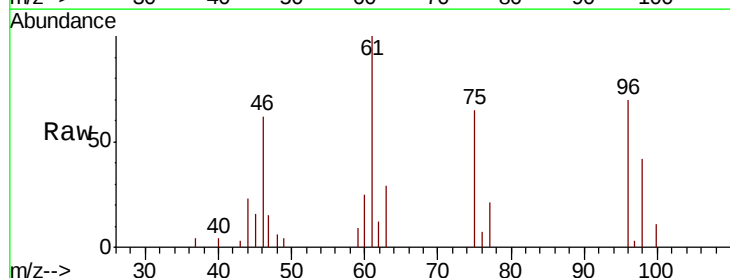
Tgt Ion: 96 Resp: 6057

Ion Ratio Lower Upper

96 100

61 142.7 95.6 177.6

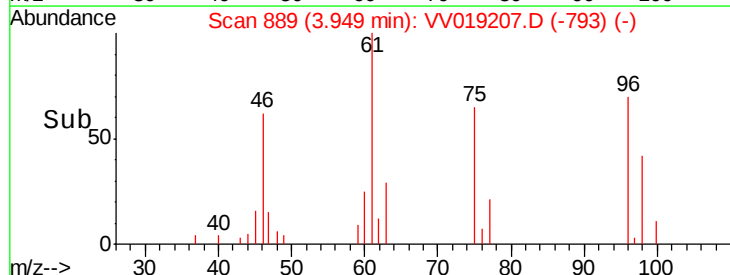
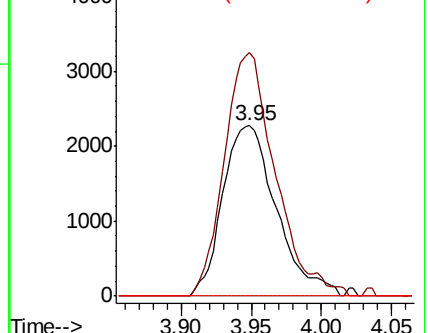
68 0.0 0.0 0.0

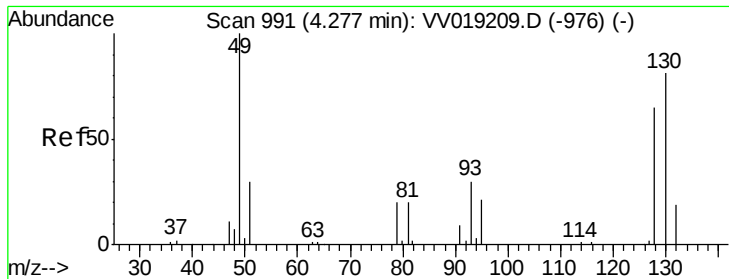


Abundance Ion 96.00 (95.70 to 96.70): VV019209.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV019209.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV019209.D (-870) (-)





#23

Bromochloromethane

Concen: 4.182 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

Tot Ion:128 Resp: 3302

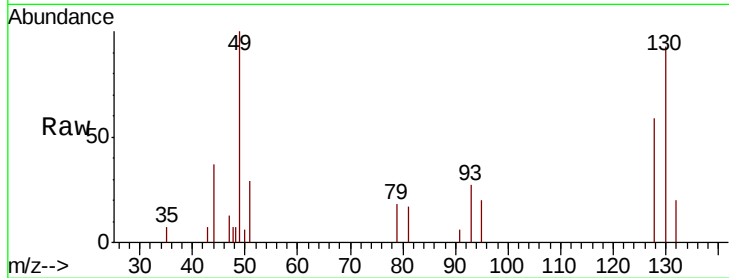
Ion Ratio Lower Upper

128 100

49 170.9 108.8 202.2

130 159.2 88.5 164.3

51 50.2 37.8 56.6

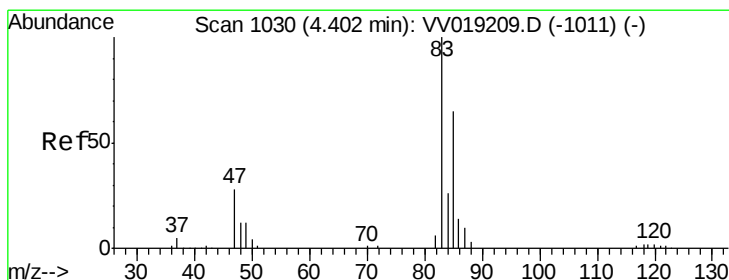
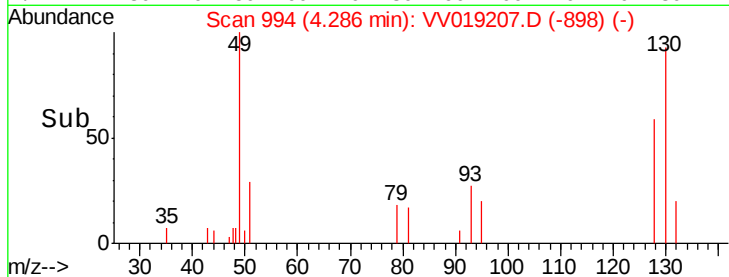
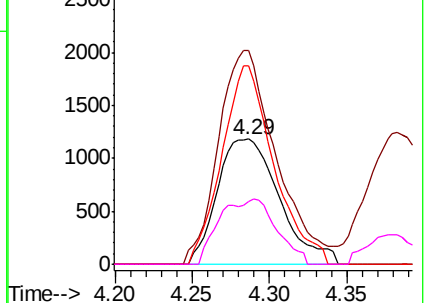


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 4.361 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV019207.D

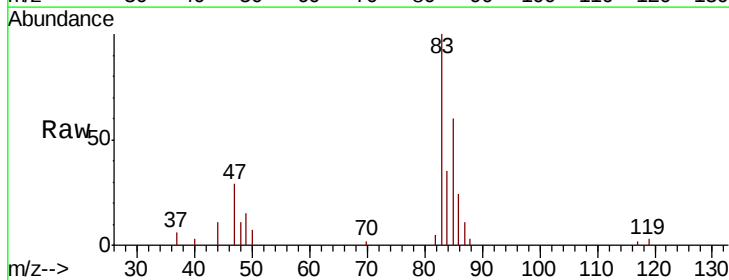
Acq: 02 Nov 2020 18:11

Tgt Ion: 83 Resp: 11960

Ion Ratio Lower Upper

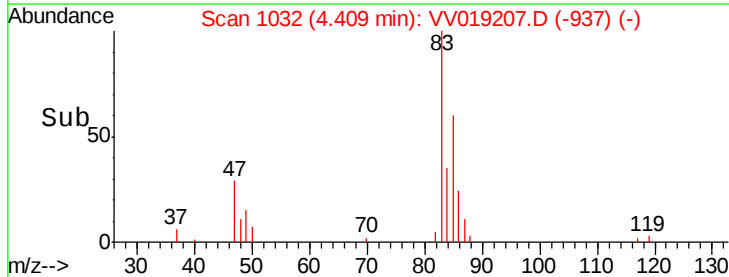
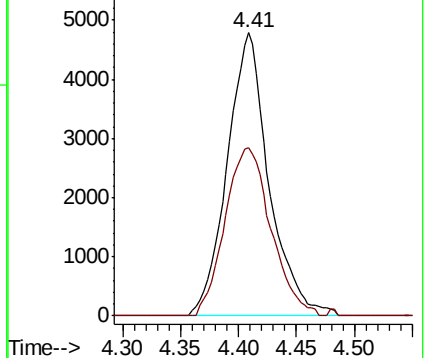
83 100

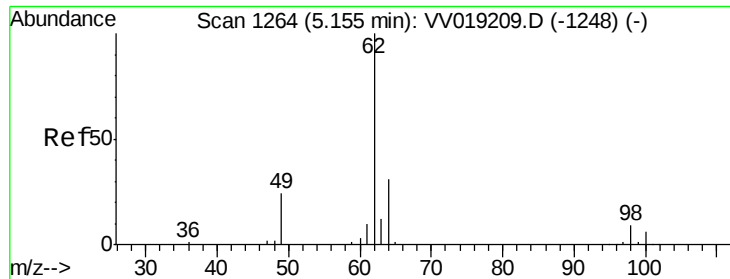
85 59.5 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

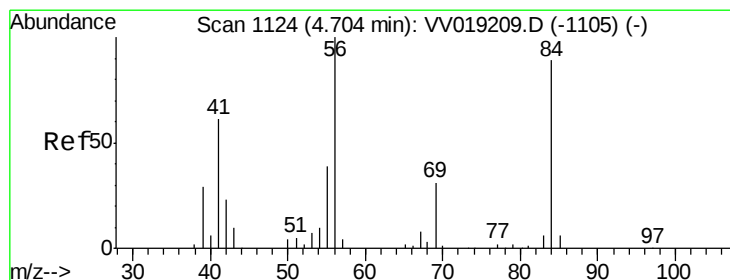
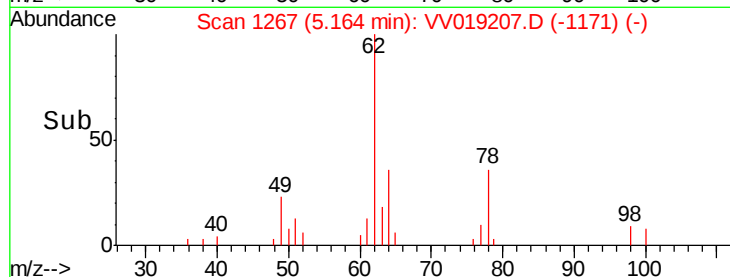
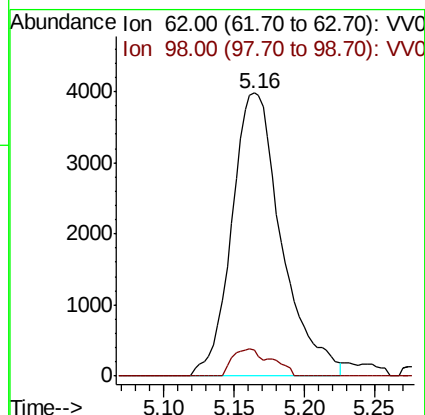
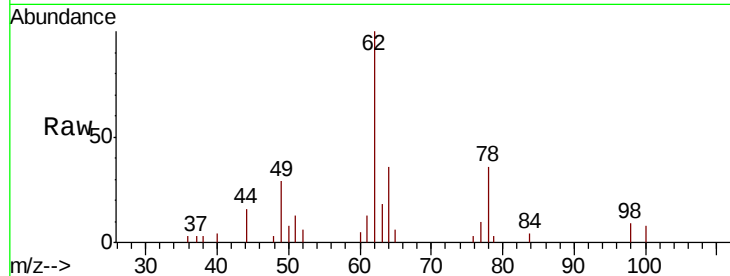




#27
 1,2-Dichloroethane
 Concen: 4.660 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

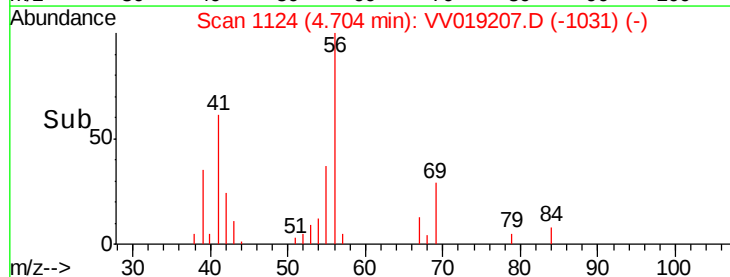
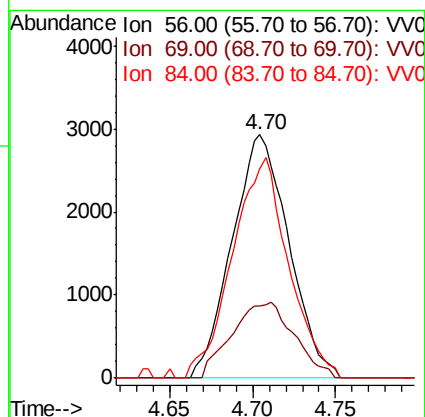
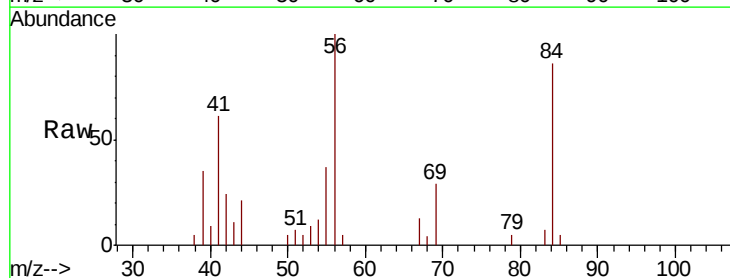
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

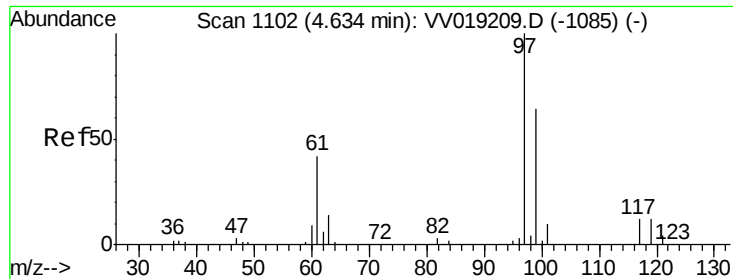
Tot Ion: 62 Resp: 9815
 Ion Ratio Lower Upper
 62 100
 98 9.1 6.8 10.2



#29
 Cyclohexane
 Concen: 3.322 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Tgt Ion: 56 Resp: 6965
 Ion Ratio Lower Upper
 56 100
 69 33.9 24.6 36.8
 84 89.5 70.5 105.7

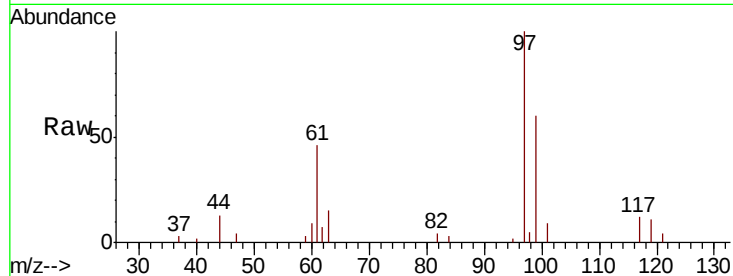




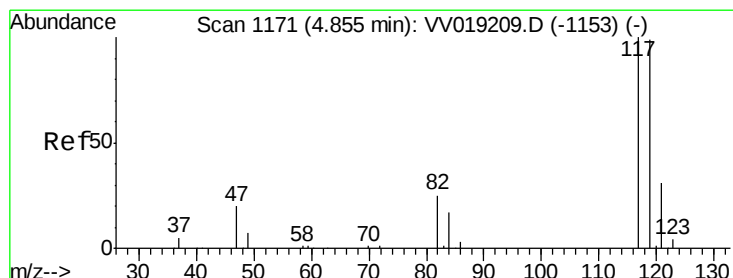
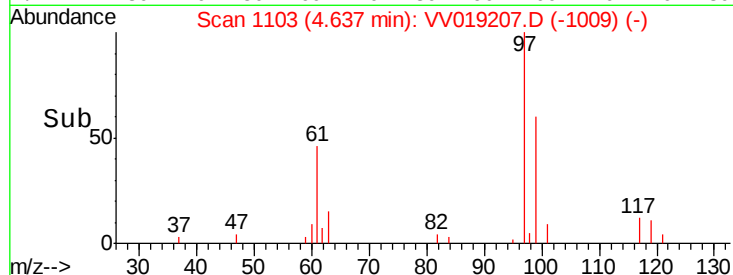
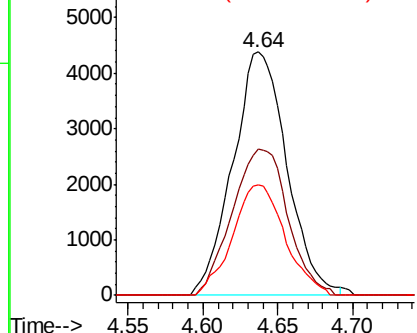
#30
 1,1,1-Trichloroethane
 Concen: 4.469 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Tot Ion: 97 Resp: 11047
 Ion Ratio Lower Upper
 97 100
 99 61.6 52.0 78.0
 61 44.1 35.3 52.9

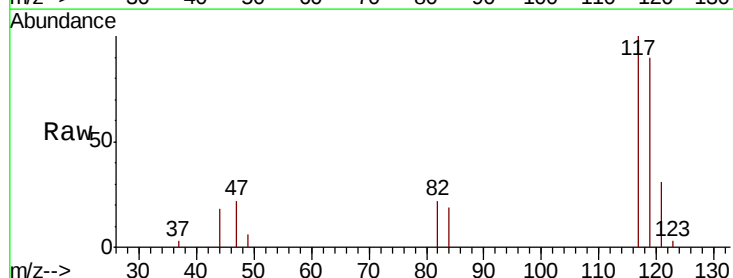


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

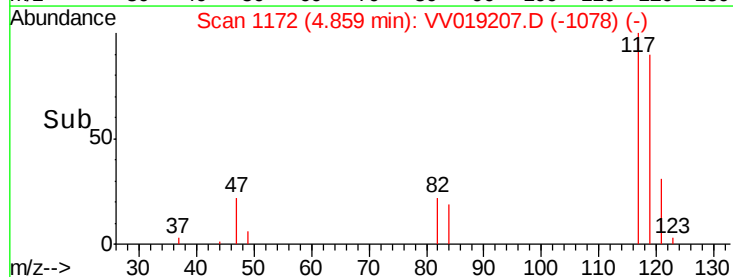
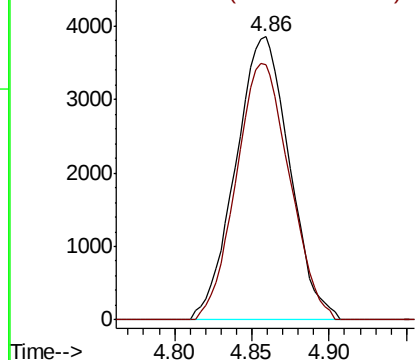


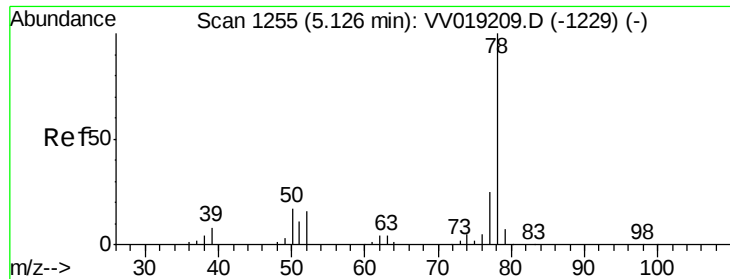
#31
 Carbon tetrachloride
 Concen: 4.250 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Tgt Ion: 117 Resp: 9330
 Ion Ratio Lower Upper
 117 100
 119 89.7 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: 3.998 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

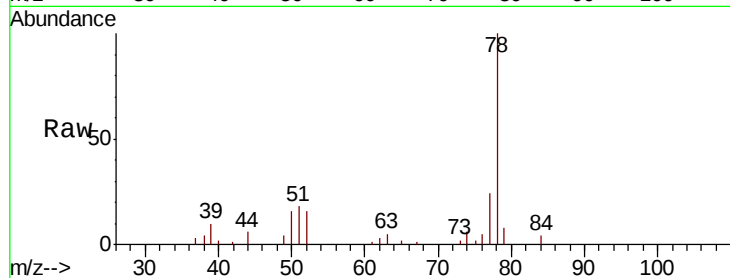
Instrument :

MSVOA_V

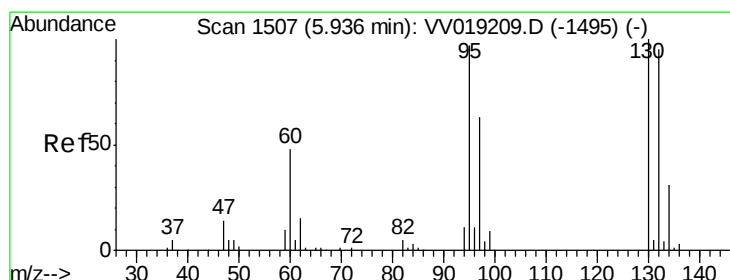
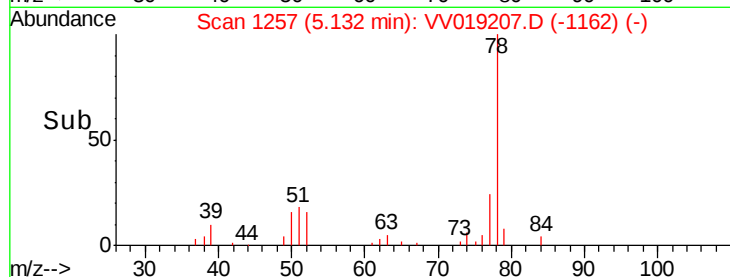
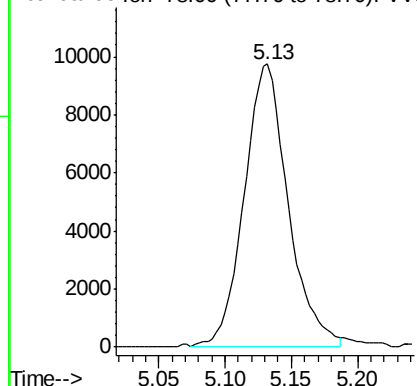
ClientSampleId :

VSTD005302

Tgt Ion: 78 Resp: 22612



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 4.379 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Tgt Ion: 95 Resp: 6761

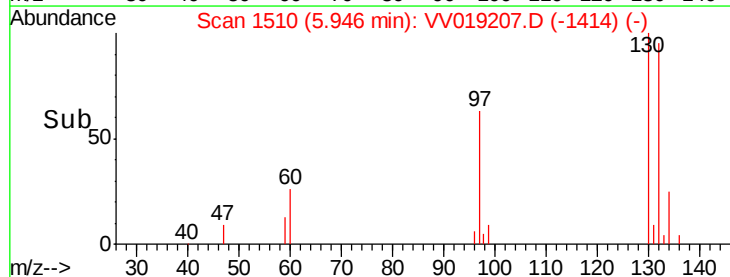
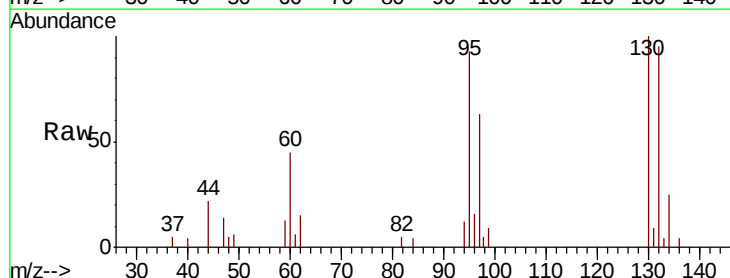
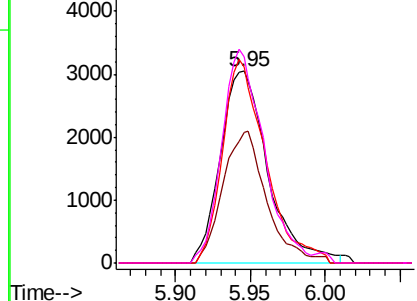
Ion	Ratio	Lower	Upper
95	100		
97	68.0	45.4	84.4
132	102.4	68.5	127.3
130	107.4	72.0	133.6

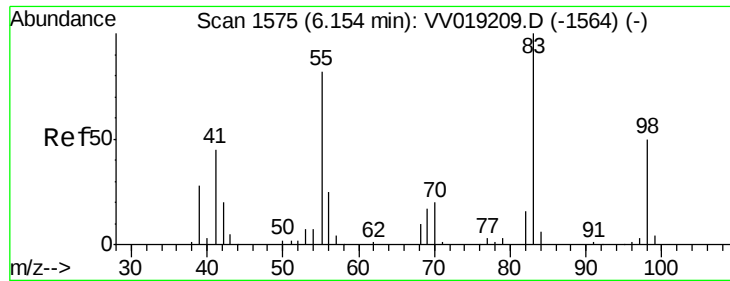
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

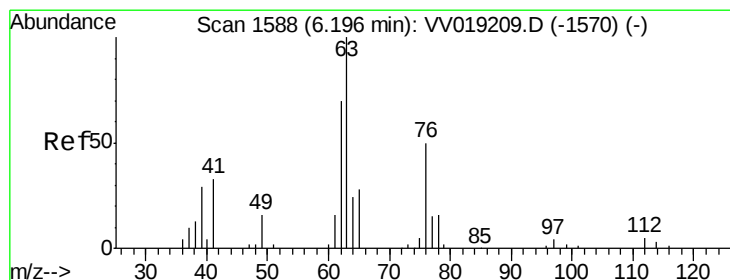
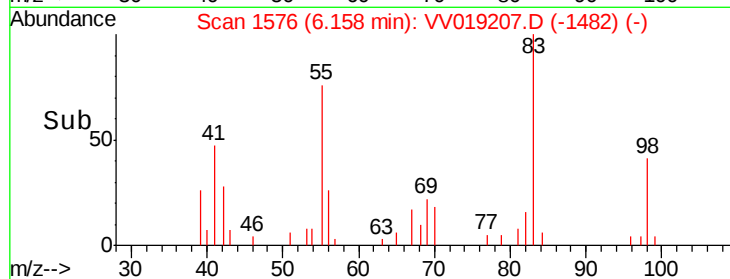
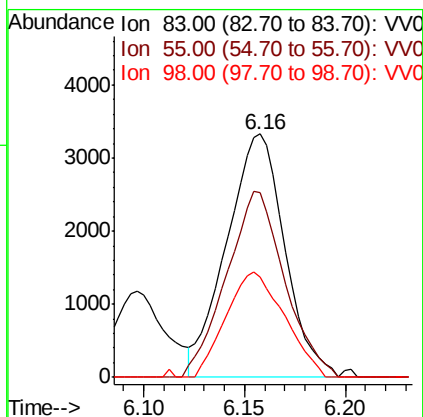
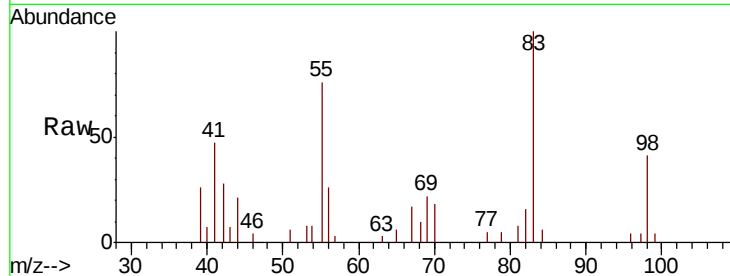




#35
Methvlcvclohexane
Concen: 2.878 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV019207.D
Acq: 02 Nov 2020 18:11

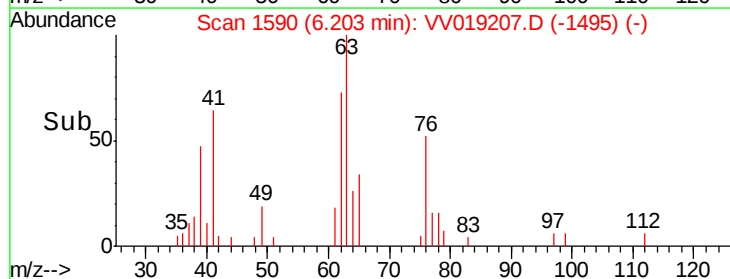
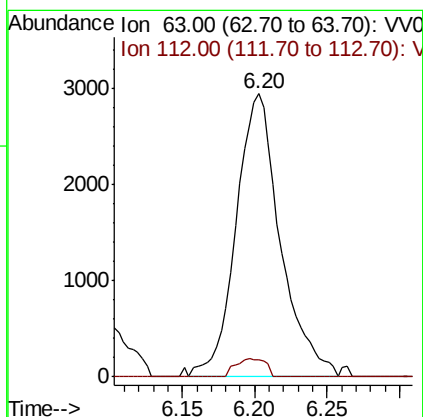
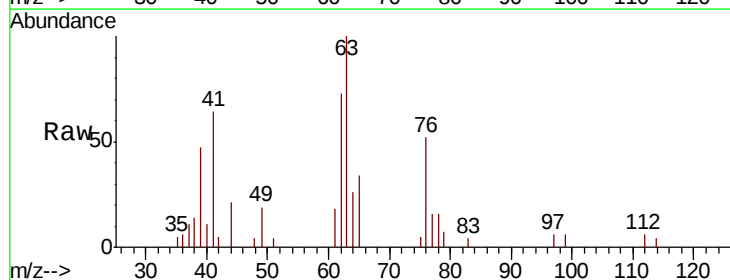
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

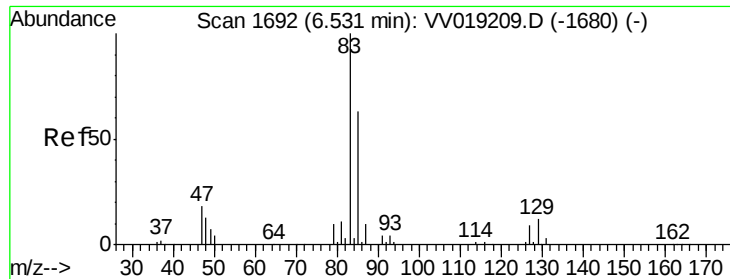
Tot Ion: 83 Resp: 6698
Ion Ratio Lower Upper
83 100
55 76.6 62.8 94.2
98 43.5 38.6 58.0



#37
1,2-Dichloropropane
Concen: 4.496 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV019207.D
Acq: 02 Nov 2020 18:11

Tgt Ion: 63 Resp: 6263
Ion Ratio Lower Upper
63 100
112 4.3 4.2 6.2

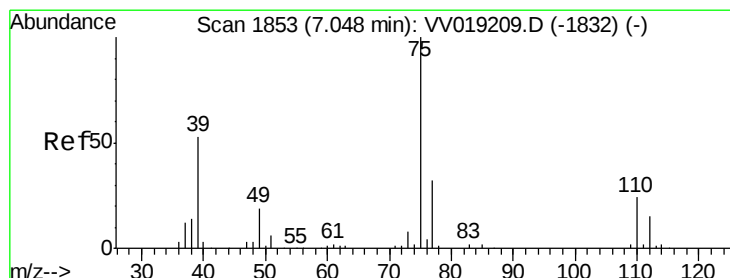
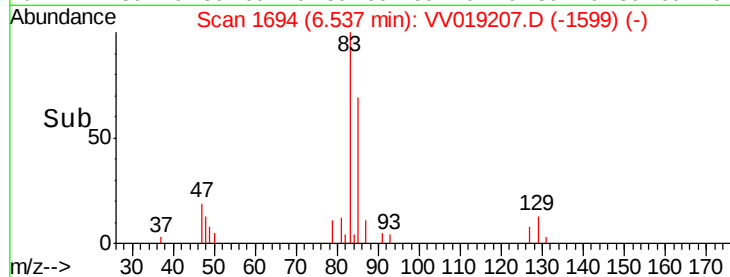
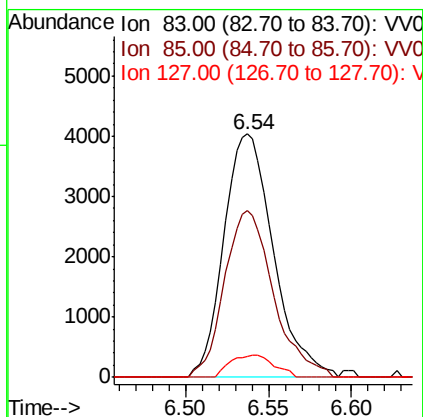
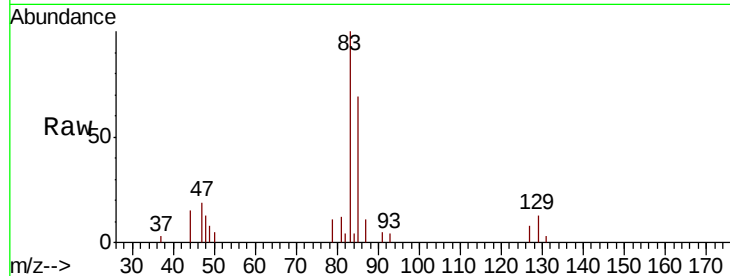




#38
 Bromodichloromethane
 Concen: 3.893 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

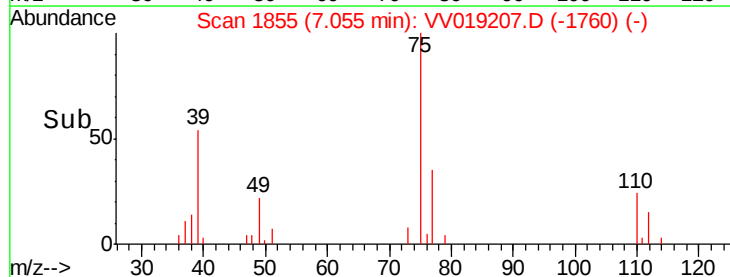
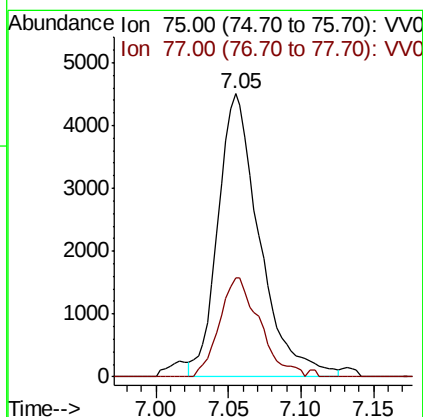
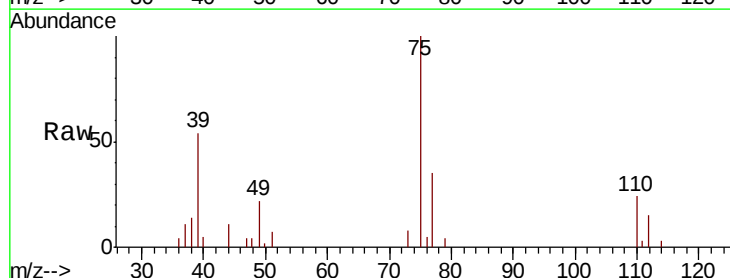
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

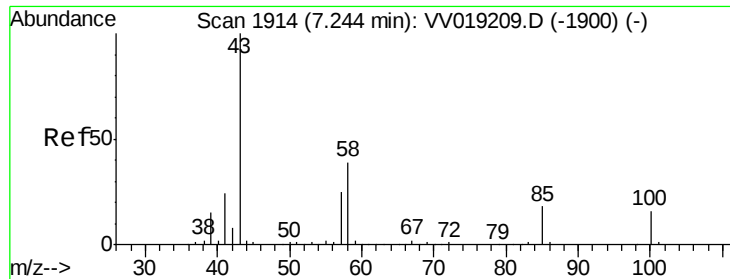
Tot Ion: 83 Resp: 8388
 Ion Ratio Lower Upper
 83 100
 85 68.7 44.0 81.8
 127 8.5 7.3 10.9



#39
 cis-1,3-Dichloropropene
 Concen: 3.691 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Tgt Ion: 75 Resp: 8961
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.2 41.2

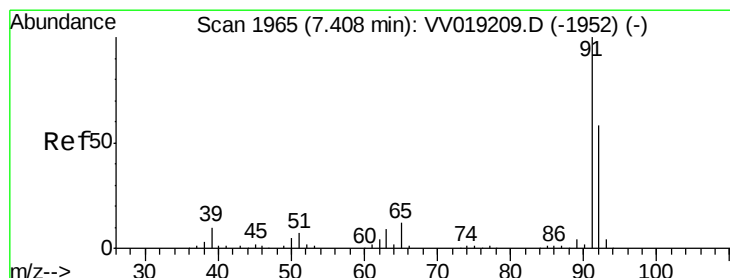
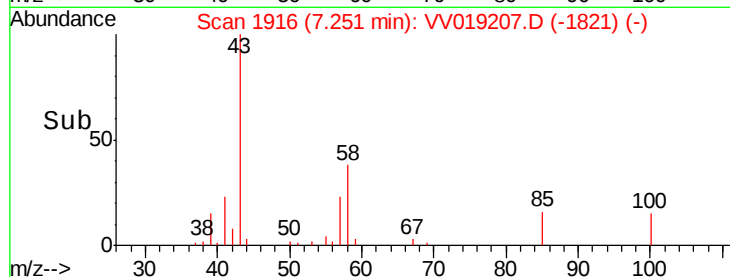
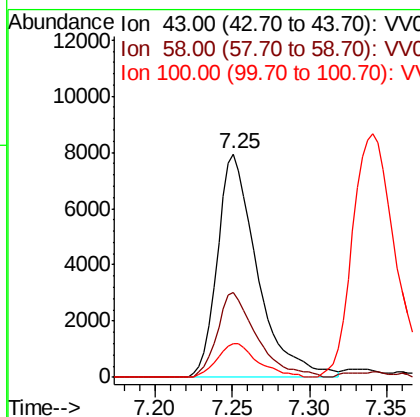
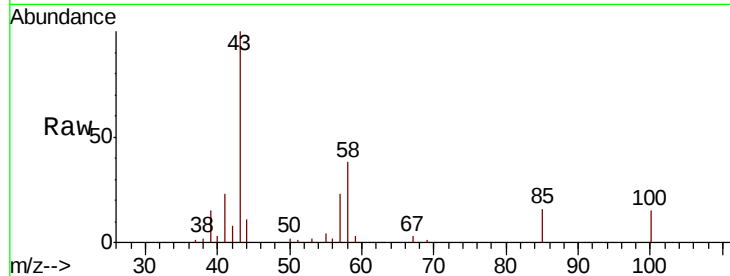




#40
4-Methyl-2-pentanone
Concen: 7.948 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019207.D
Acq: 02 Nov 2020 18:11

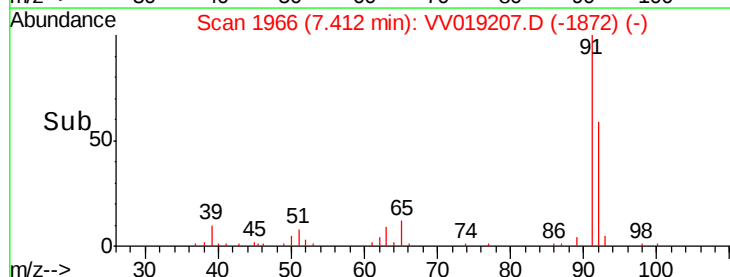
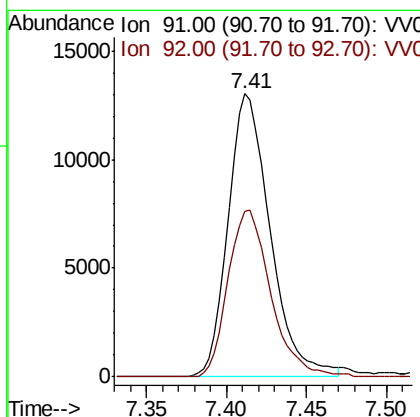
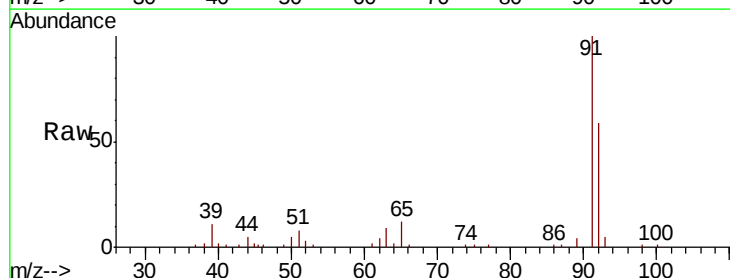
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

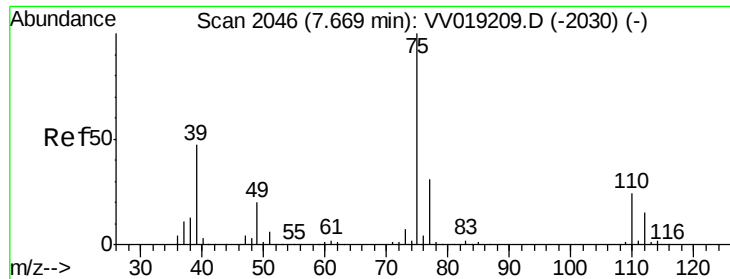
Tot Ion: 43 Resp: 14239
Ion Ratio Lower Upper
43 100
58 37.8 30.5 45.7
100 15.5 12.7 19.1



#42
Toluene
Concen: 3.778 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV019207.D
Acq: 02 Nov 2020 18:11

Tgt Ion: 91 Resp: 23469
Ion Ratio Lower Upper
91 100
92 58.6 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 3.726 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

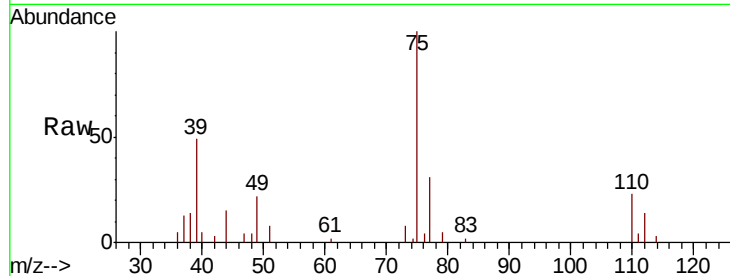
VSTD005302

Tot Ion: 75 Resp: 8623

Ion Ratio Lower Upper

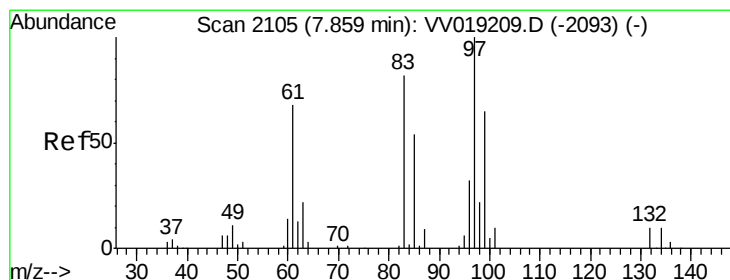
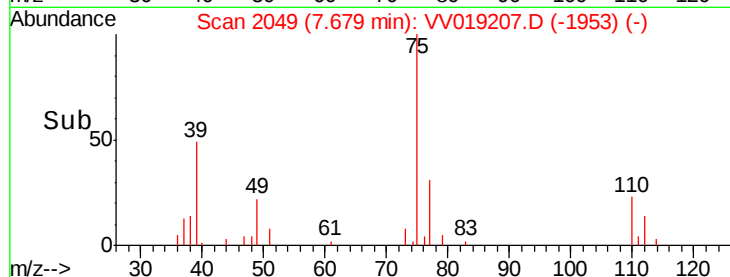
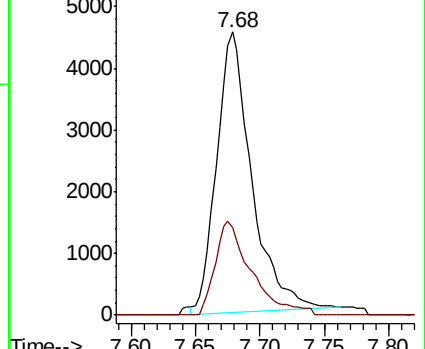
75 100

77 30.7 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) (-)



#45

1,1,2-Trichloroethane

Concen: 4.066 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Tgt Ion: 97 Resp: 6009

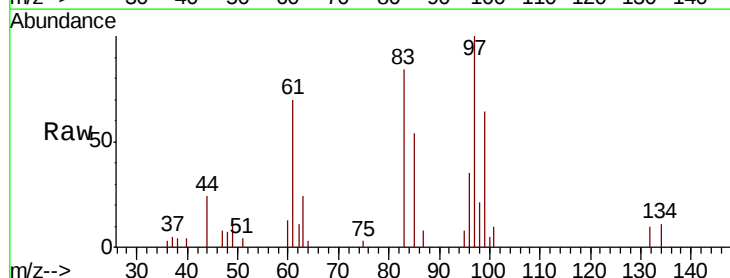
Ion Ratio Lower Upper

97 100

99 64.3 45.1 83.9

83 84.3 57.6 107.0

85 54.0 37.8 70.2

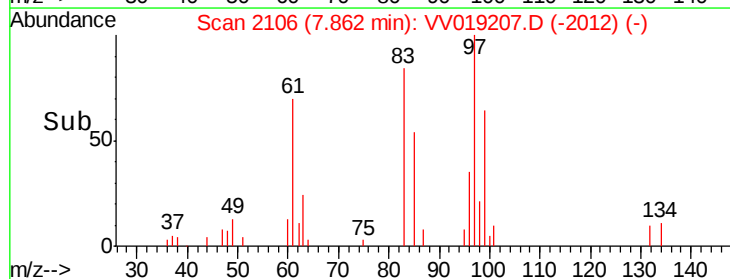
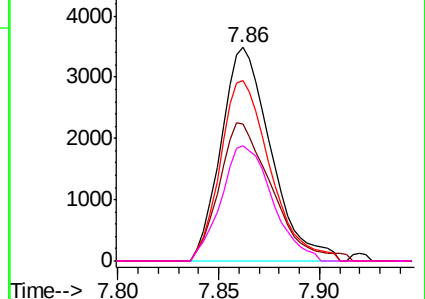


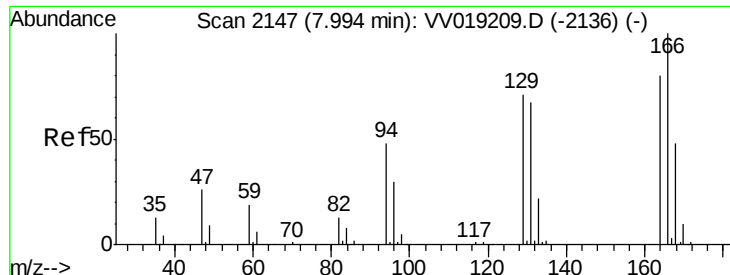
Abundance Ion 97.00 (96.70 to 97.70): VV019209.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV019209.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV019209.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV019209.D (-2093) (-)





#46

Tetrachloroethene

Concen: 4.229 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

Tot Ion:164 Resp: 5253

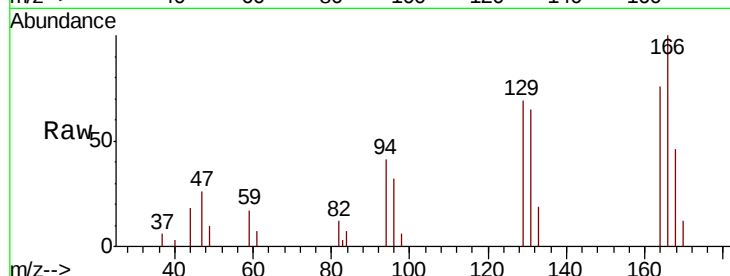
Ion Ratio Lower Upper

164 100

129 91.3 62.6 116.3

131 86.1 59.0 109.6

166 131.9 88.0 163.4



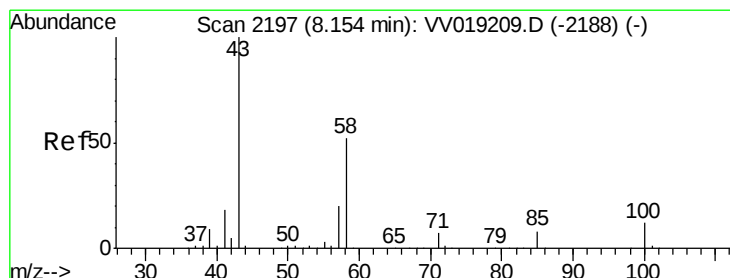
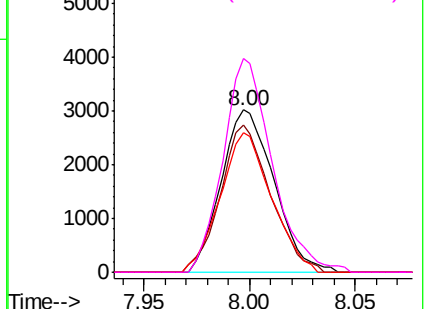
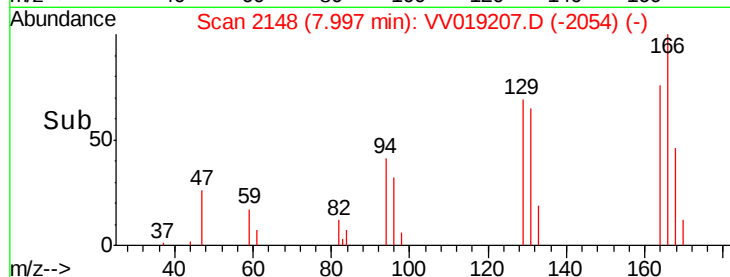
Abundance

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: 7.773 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Tgt Ion: 43 Resp: 10763

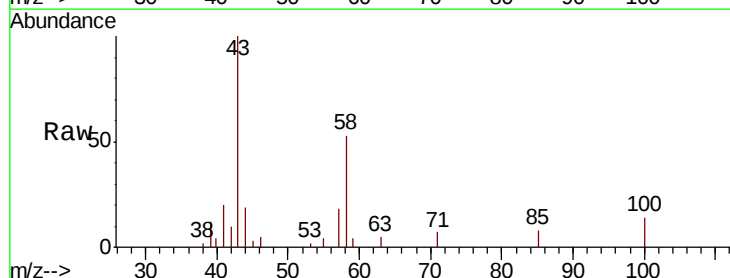
Ion Ratio Lower Upper

43 100

58 46.9 42.6 63.8

57 18.1 15.8 23.8

100 12.9 10.4 15.6



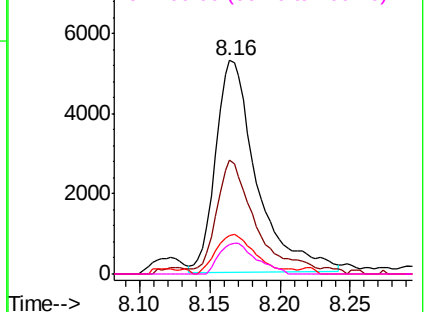
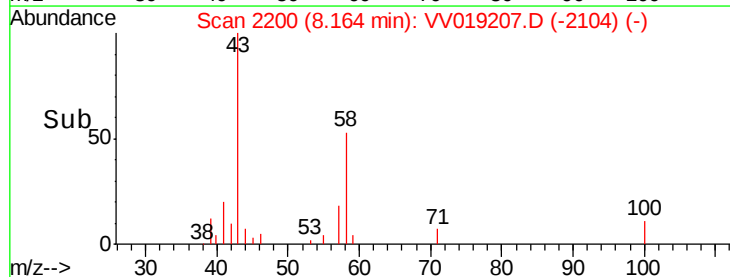
Abundance

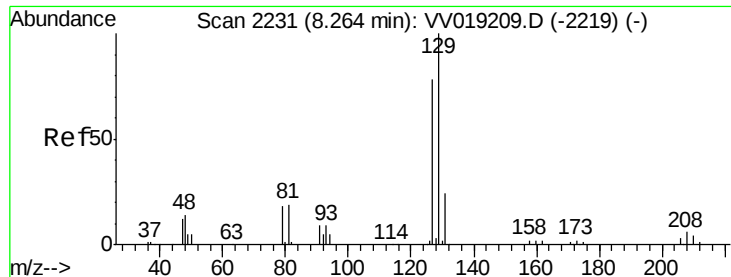
Ion 43.00 (42.70 to 43.70): VV0

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: 3.815 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

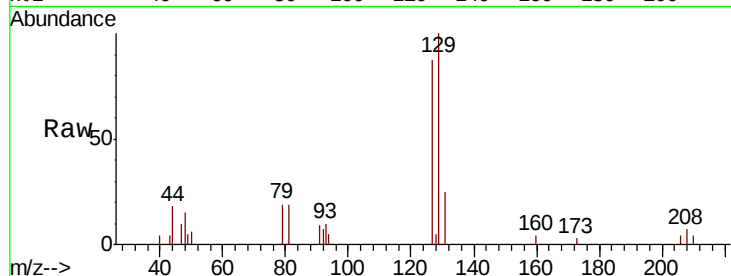
VSTD005302

Tot Ion:129 Resp: 6811

Ion Ratio Lower Upper

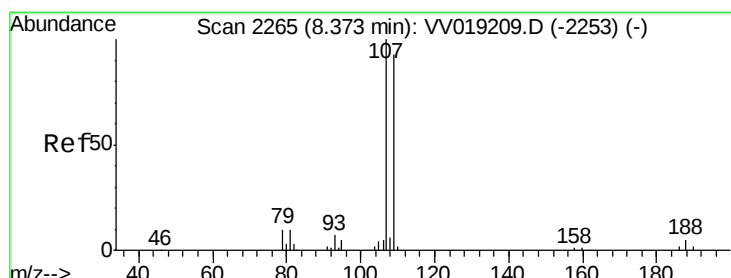
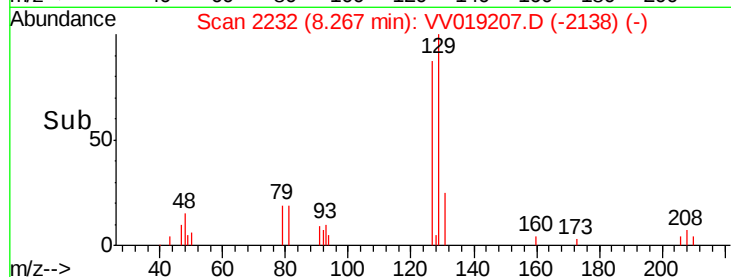
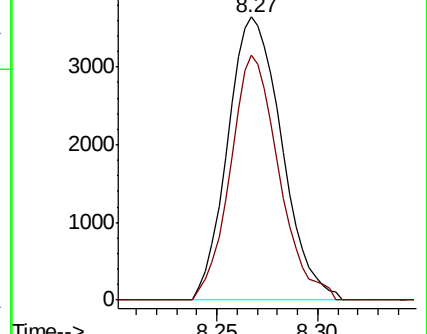
129 100

127 86.6 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: 3.737 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

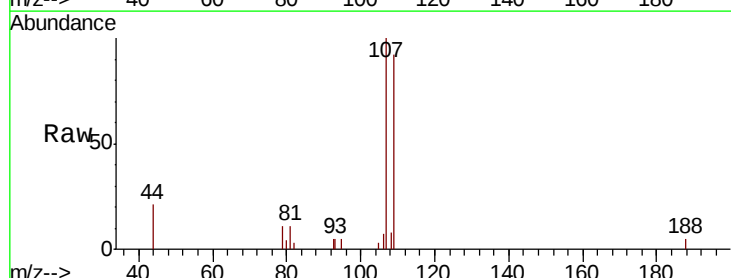
Tgt Ion:107 Resp: 6035

Ion Ratio Lower Upper

107 100

109 92.1 64.8 120.4

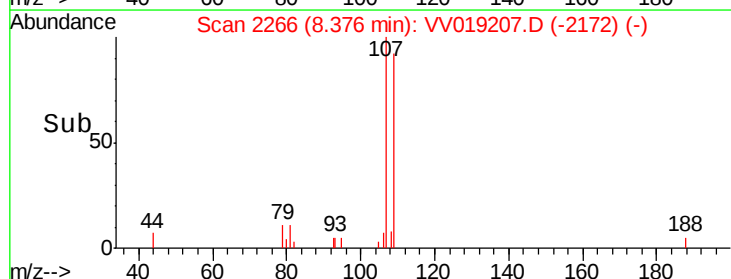
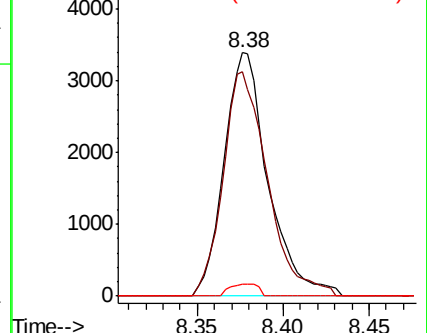
188 4.9 3.8 5.8

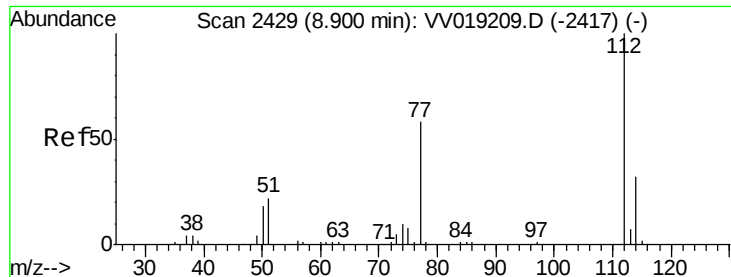


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

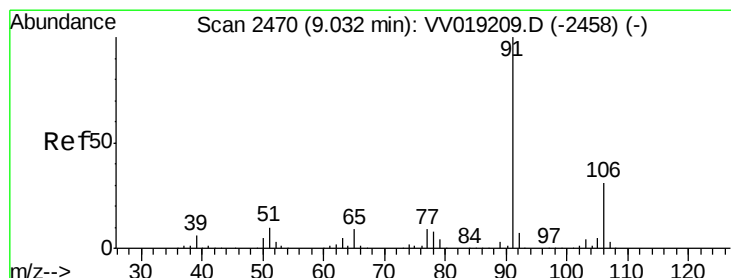
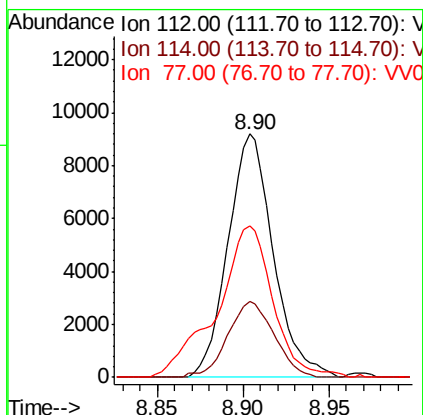
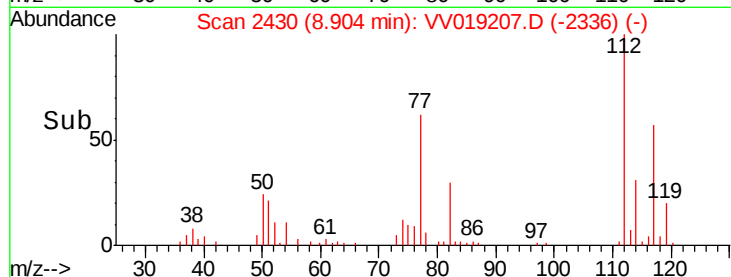
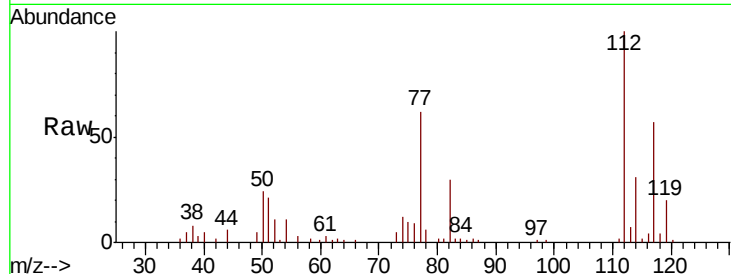




#51
Chlorobenzene
Concen: 4.025 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019207.D
Acq: 02 Nov 2020 18:11

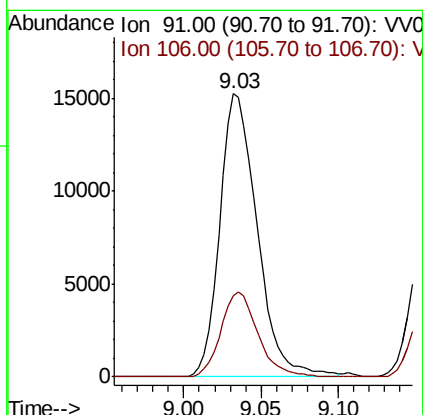
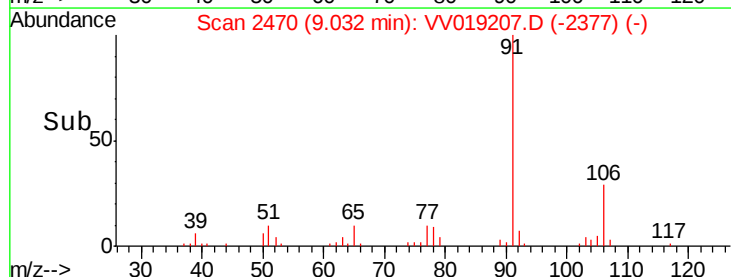
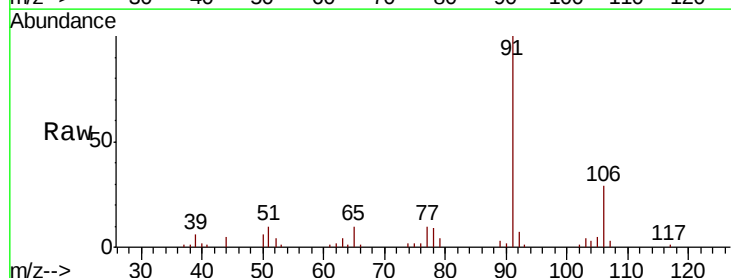
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

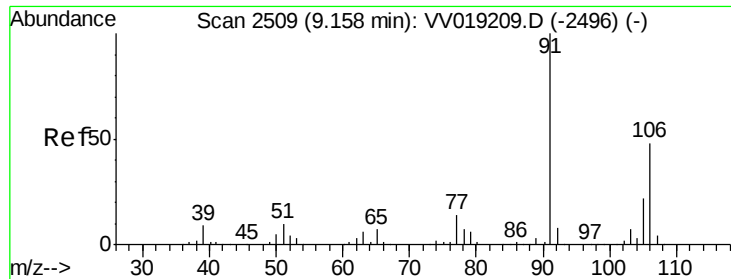
Tot Ion:112 Resp: 16812
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.1
77 62.0 47.3 70.9



#52
Ethylbenzene
Concen: 3.598 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV019207.D
Acq: 02 Nov 2020 18:11

Tgt Ion: 91 Resp: 25555
Ion Ratio Lower Upper
91 100
106 28.5 21.6 40.0





#53

m,p-Xylene

Concen: 3.413 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

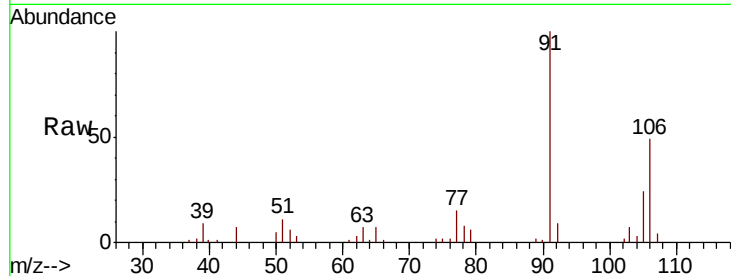
VSTD005302

Tot Ion:106 Resp: 9360

Ion Ratio Lower Upper

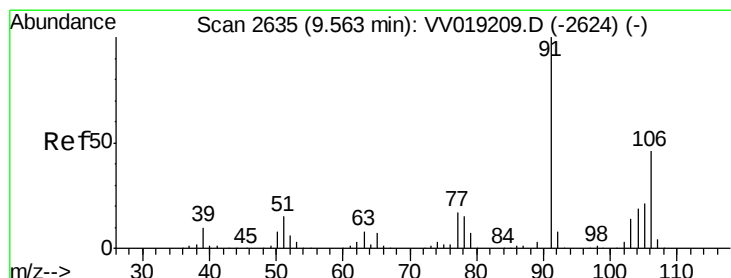
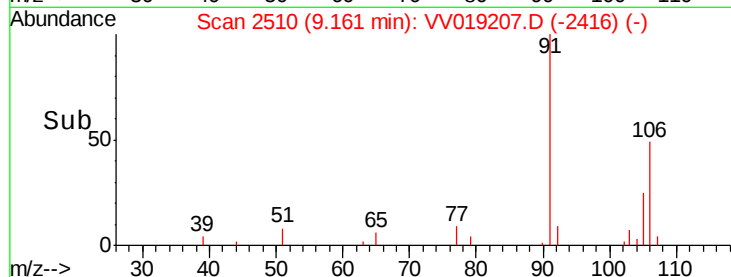
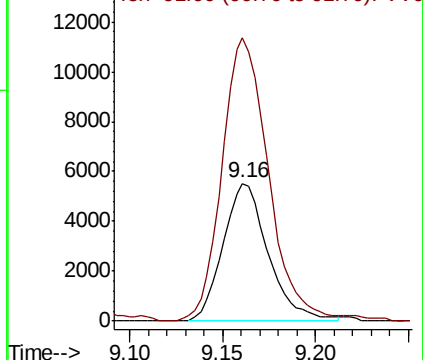
106 100

91 205.2 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 3.484 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019207.D

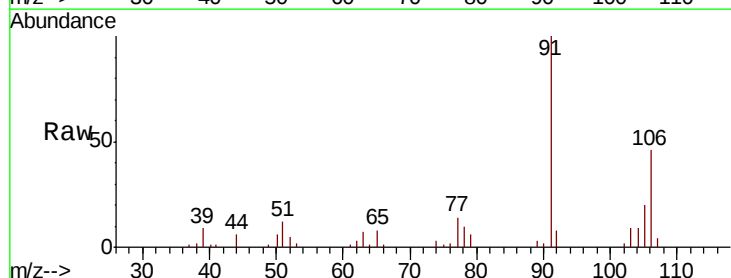
Acq: 02 Nov 2020 18:11

Tgt Ion:106 Resp: 9205

Ion Ratio Lower Upper

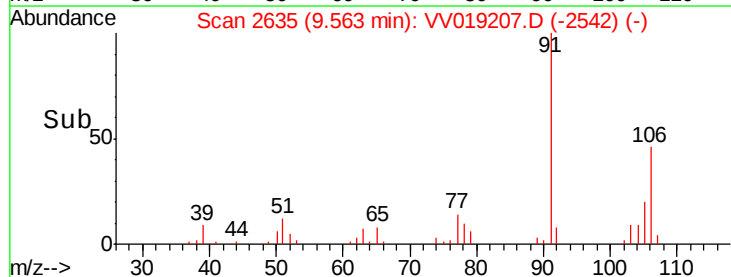
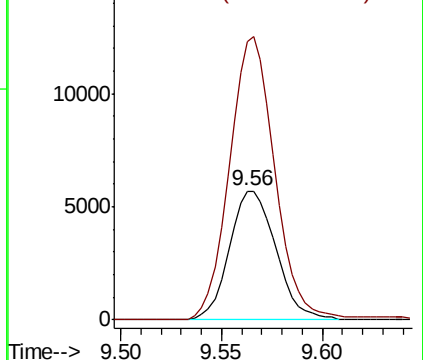
106 100

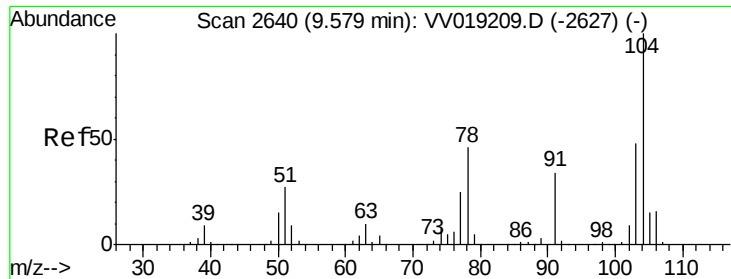
91 216.2 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 3.443 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

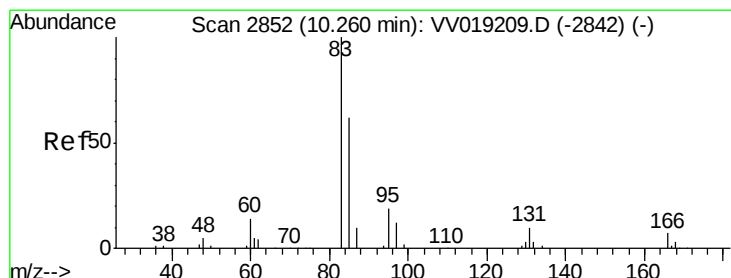
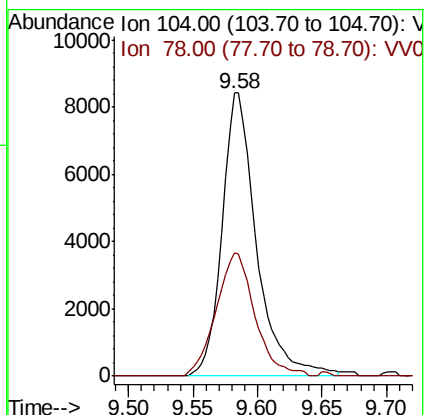
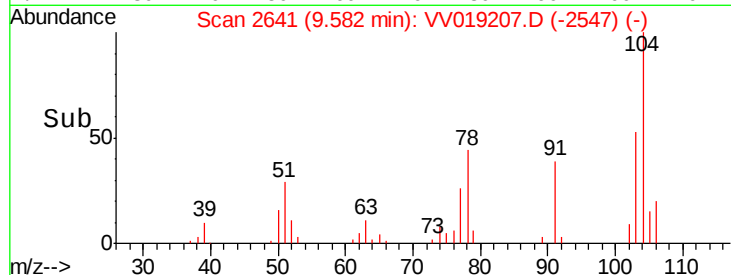
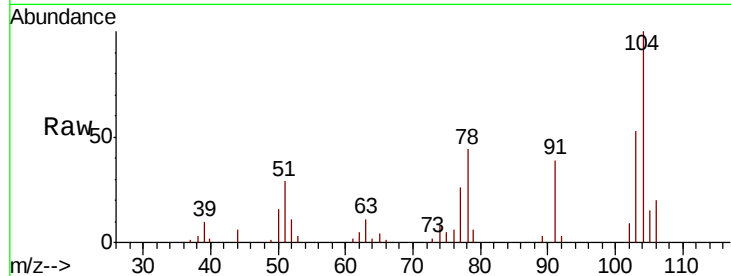
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

Tot Ion:104 Resp: 15629

Ion Ratio Lower Upper

104 100

78 43.7 32.6 60.5



#57

1,1,2,2-Tetrachloroethane

Concen: 3.915 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

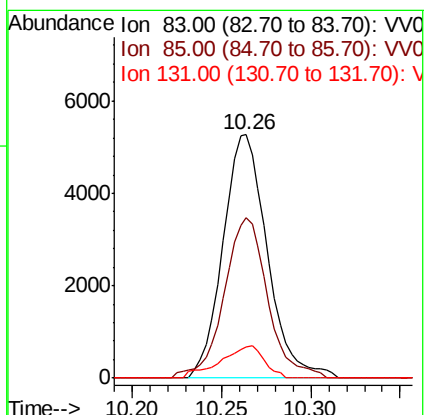
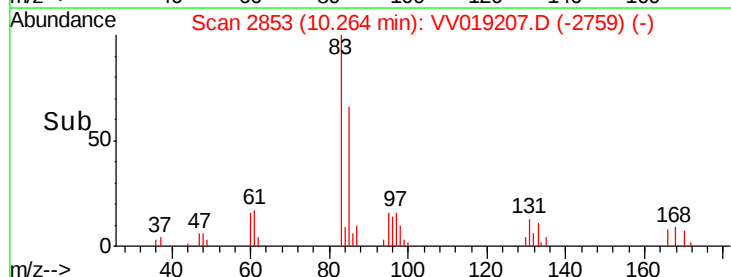
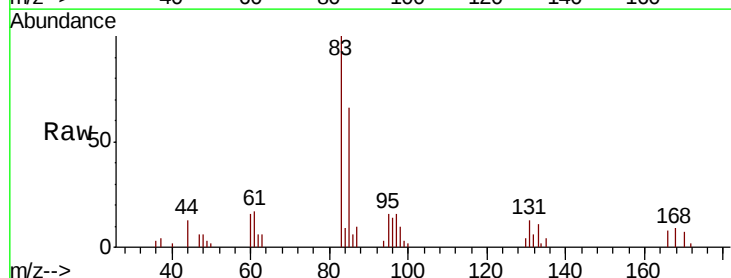
Tgt Ion: 83 Resp: 9115

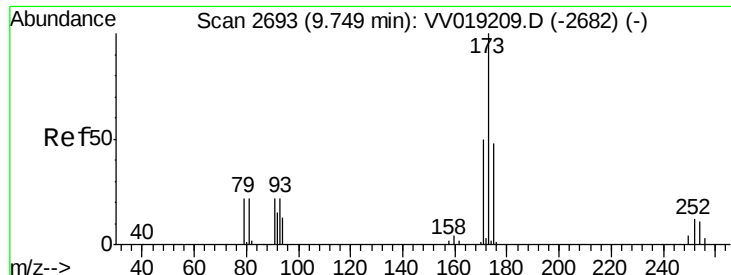
Ion Ratio Lower Upper

83 100

85 65.7 45.0 83.6

131 12.8 8.9 13.3





#59

Bromoform

Concen: 3.931 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.01 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

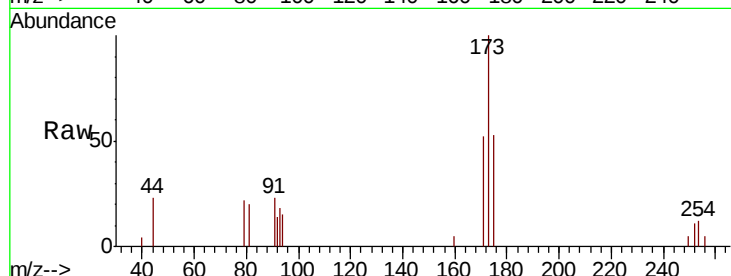
Tot Ion:173 Resp: 5117

Ion Ratio Lower Upper

173 100

175 51.8 38.4 57.6

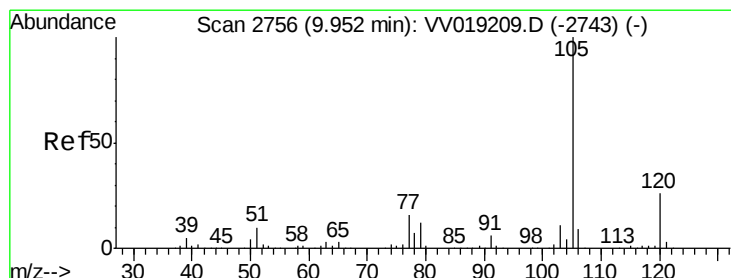
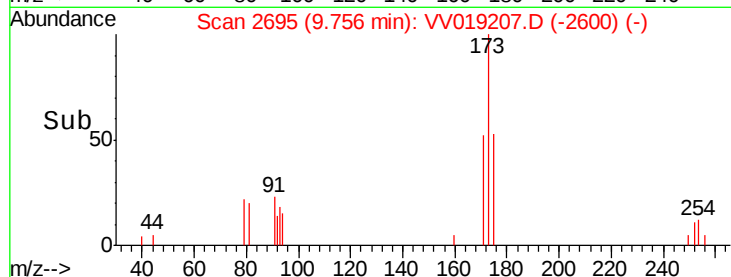
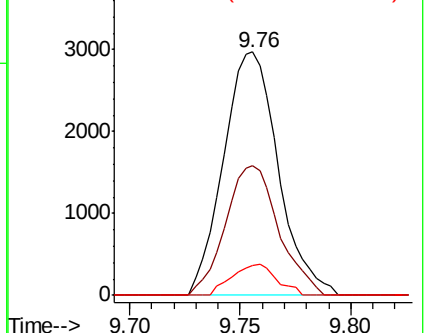
254 10.5 9.0 13.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 3.328 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

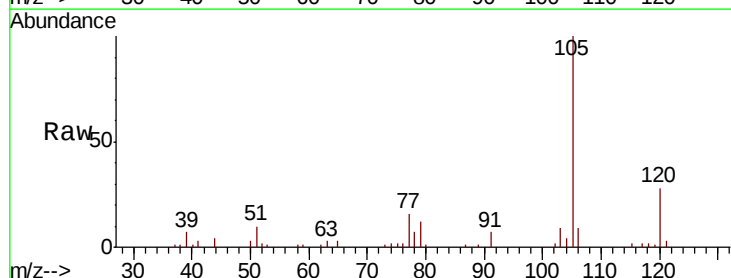
Tgt Ion:105 Resp: 23635

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

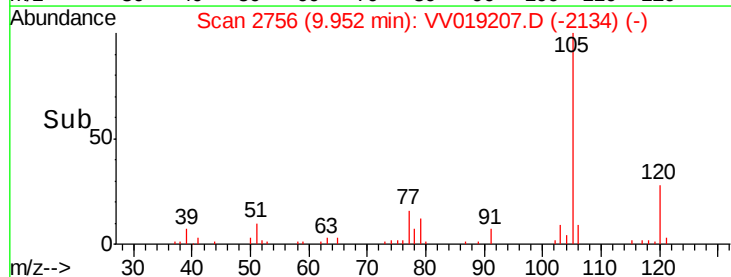
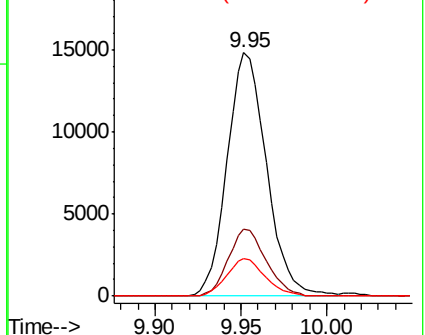
77 15.1 13.0 19.6

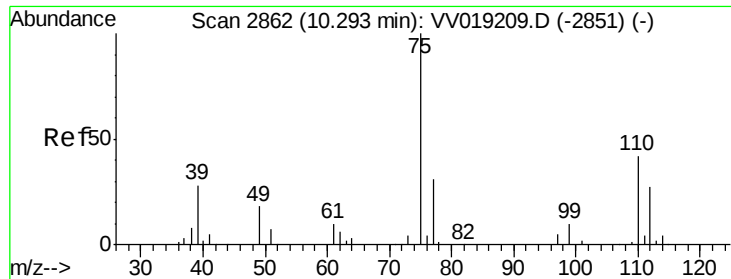


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0



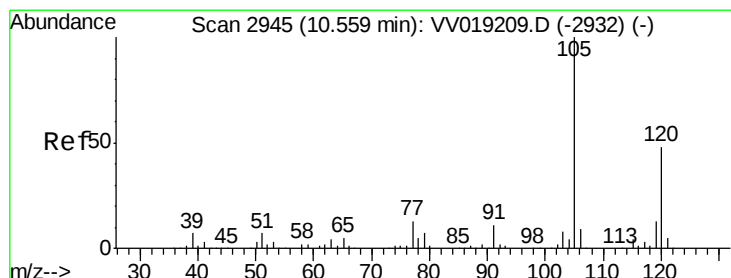
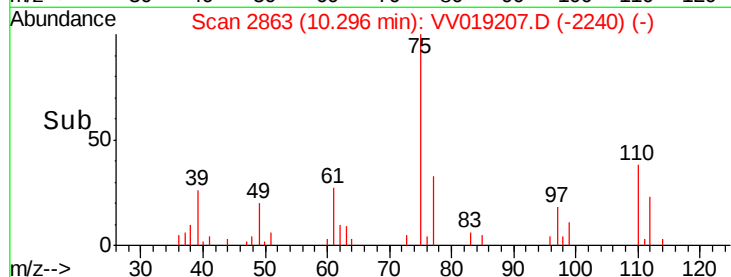
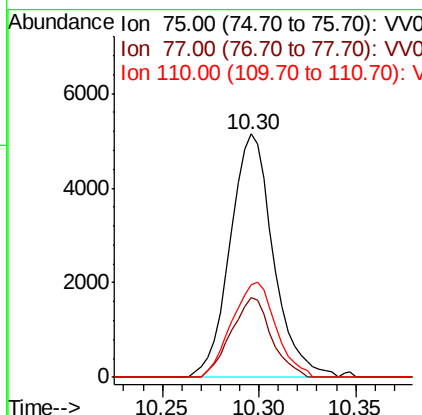
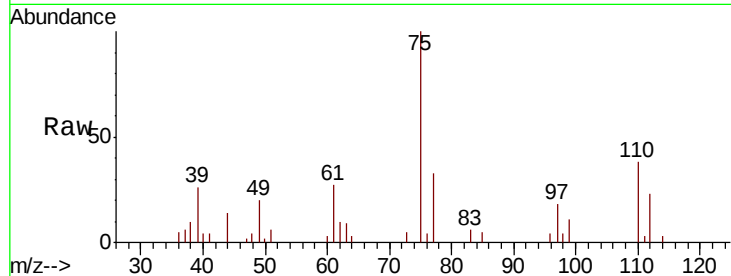


#61
 1,2,3-Trichloropropane
 Concen: 4.229 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Tot Ion: 75 Resp: 7999

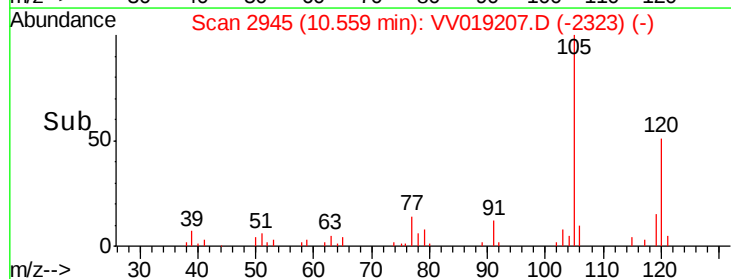
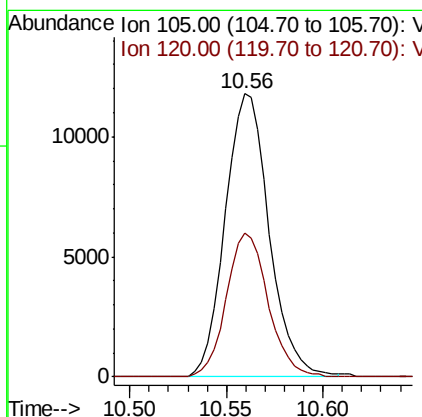
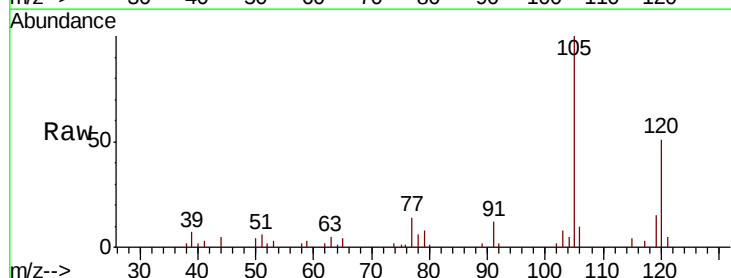
Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.8	37.2
110	39.8	33.4	50.2

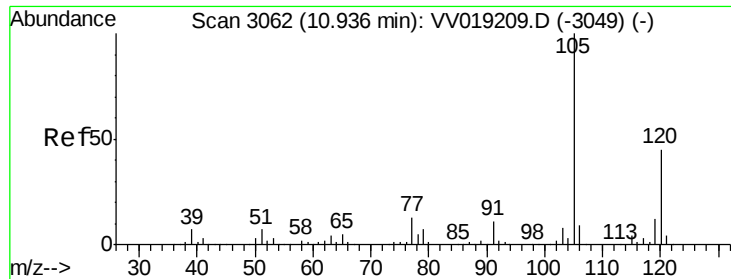


#62
 1,3,5-Trimethylbenzene
 Concen: 3.074 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Tgt Ion: 105 Resp: 18634

Ion	Ratio	Lower	Upper
105	100		
120	48.1	38.3	57.5

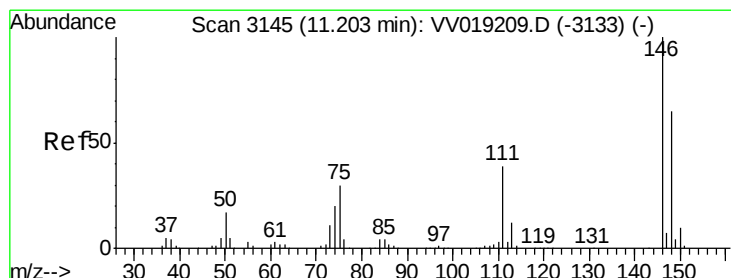
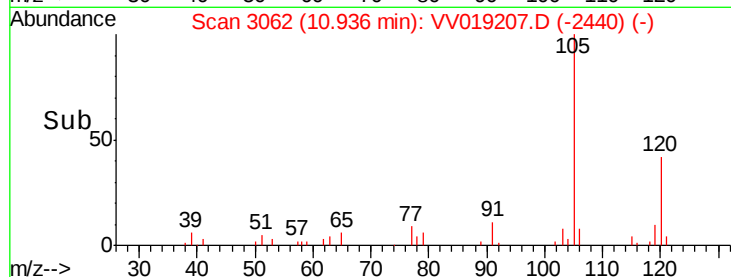
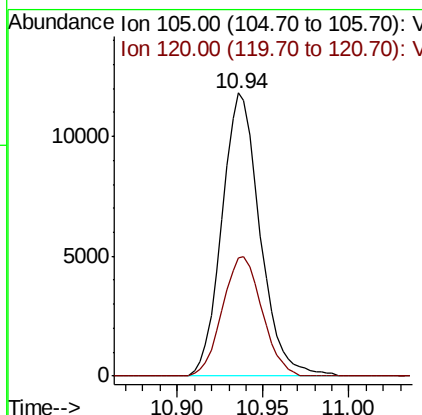
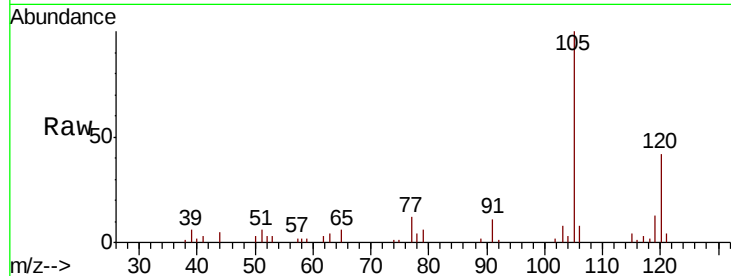




#63
 1,2,4-Trimethylbenzene
 Concen: 3.080 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

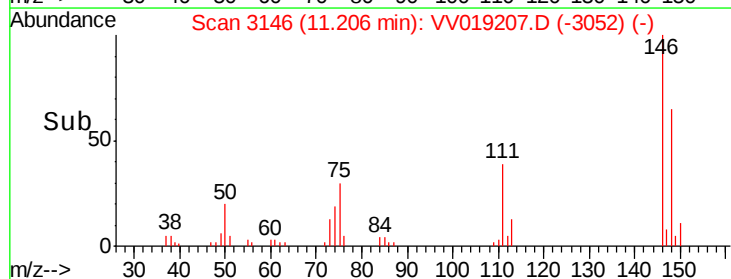
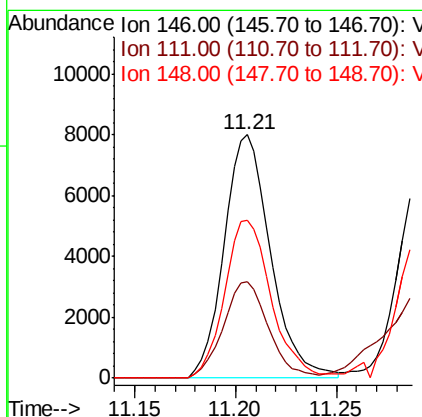
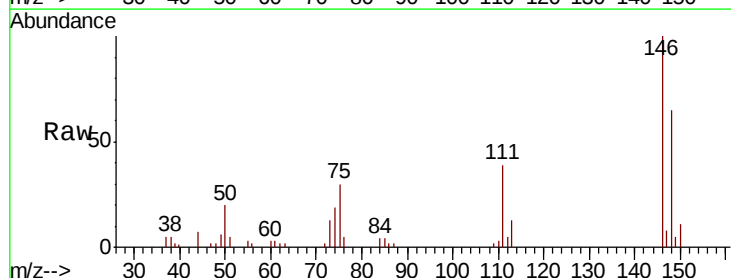
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

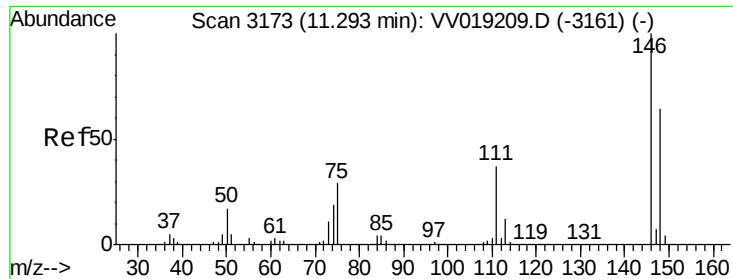
Tot Ion:105 Resp: 18229
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.7 53.5



#64
 1,3-Dichlorobenzene
 Concen: 3.717 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Tgt Ion:146 Resp: 12845
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.3 50.7
 148 65.0 45.2 84.0





#65

1,4-Dichlorobenzene

Concen: 3.763 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

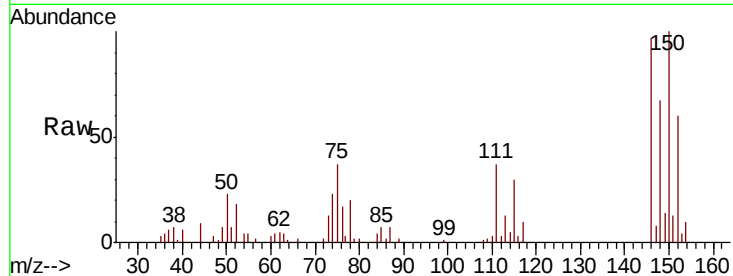
Tot Ion:146 Resp: 13378

Ion Ratio Lower Upper

146 100

111 38.6 25.9 48.1

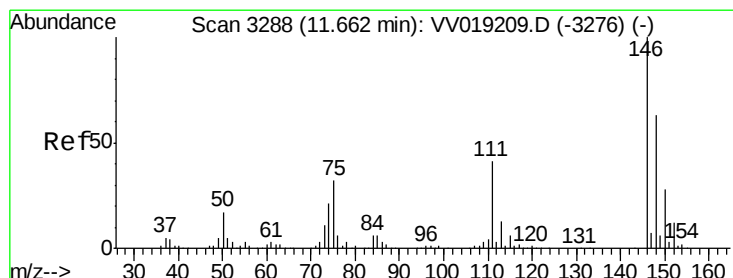
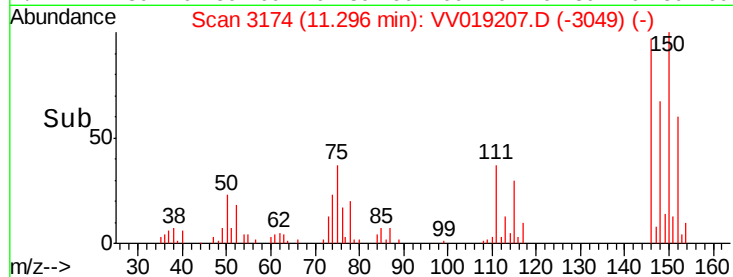
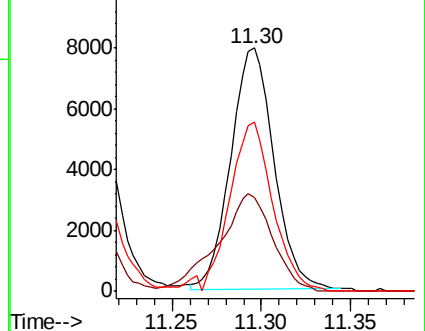
148 69.4 44.9 83.5



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



#67

1,2-Dichlorobenzene

Concen: 4.092 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

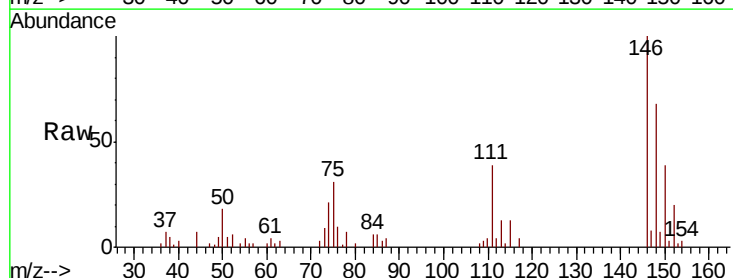
Tgt Ion:146 Resp: 14002

Ion Ratio Lower Upper

146 100

111 39.5 32.6 48.8

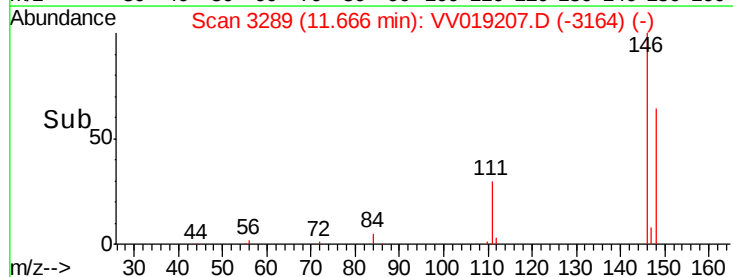
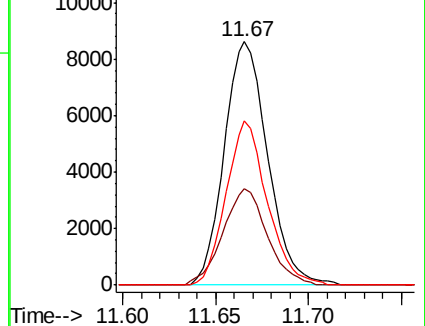
148 67.7 50.1 75.1

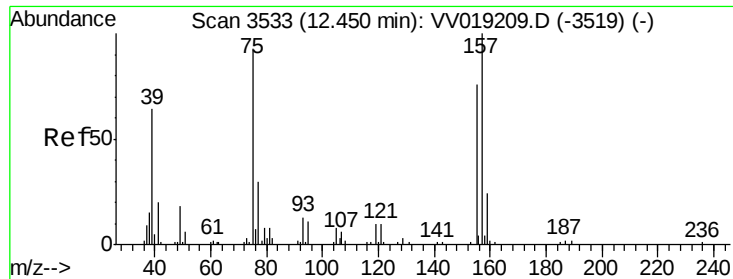


Abundance Ion 146.00 (145.70 to 146.70): V

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: 3.577 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

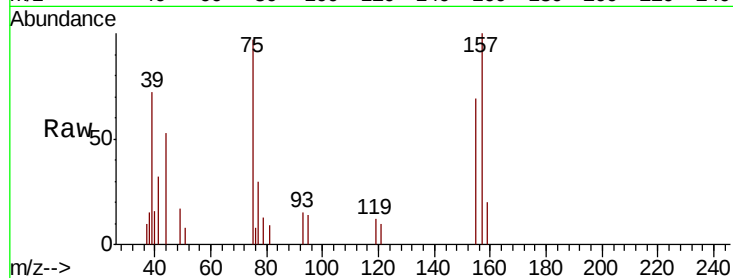
Tot Ion: 75 Resp: 2040

Ion Ratio Lower Upper

75 100

155 70.7 65.8 98.6

157 103.2 86.3 129.5

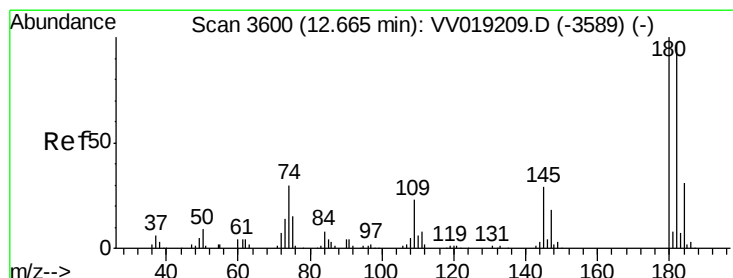
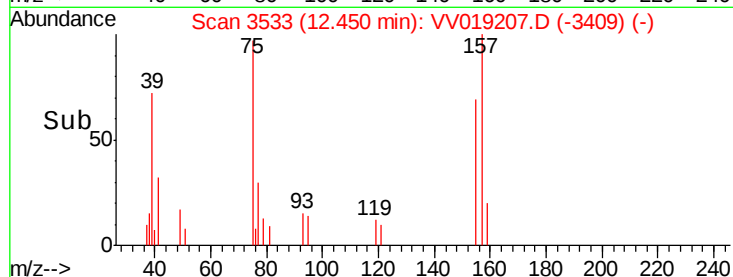


Abundance Ion 75.00 (74.70 to 75.70): VV019209.D (-3519) (-)

Ion 155.00 (154.70 to 155.70): VV019209.D (-3519) (-)

Ion 157.00 (156.70 to 157.70): VV019209.D (-3519) (-)

Time-->



#69

1,3,5-Trichlorobenzene

Concen: 3.854 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV019207.D

Acq: 02 Nov 2020 18:11

Tgt Ion: 180 Resp: 9600

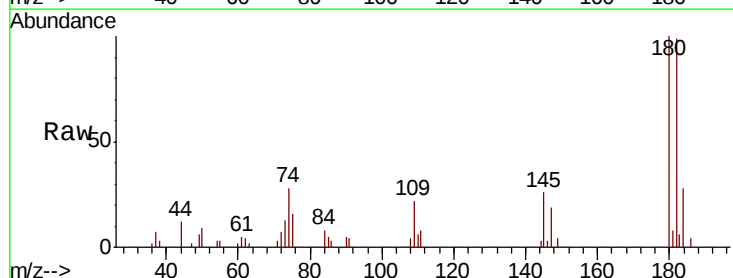
Ion Ratio Lower Upper

180 100

182 94.8 77.7 116.5

184 27.8 24.9 37.3

145 25.3 23.4 35.0



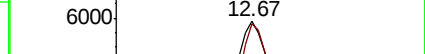
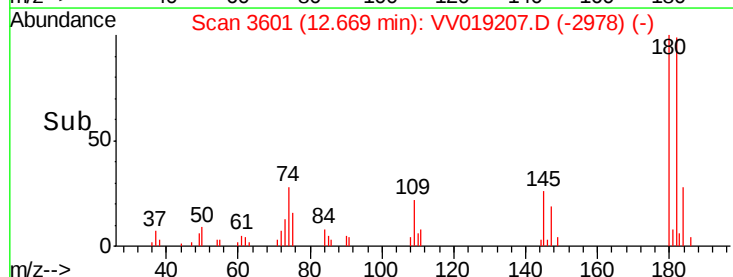
Abundance Ion 180.00 (179.70 to 180.70): VV019209.D (-3589) (-)

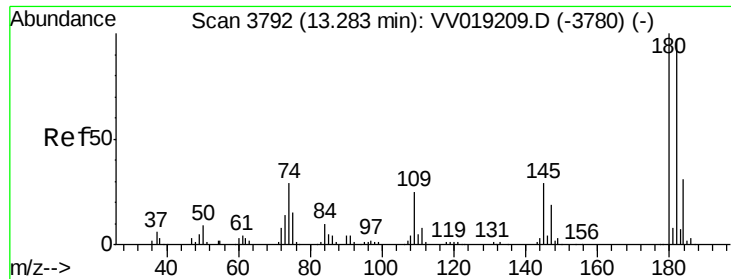
Ion 182.00 (181.70 to 182.70): VV019209.D (-3589) (-)

Ion 184.00 (183.70 to 184.70): VV019209.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV019209.D (-3589) (-)

Time-->

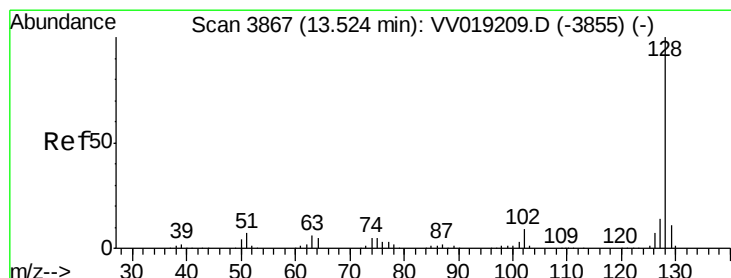
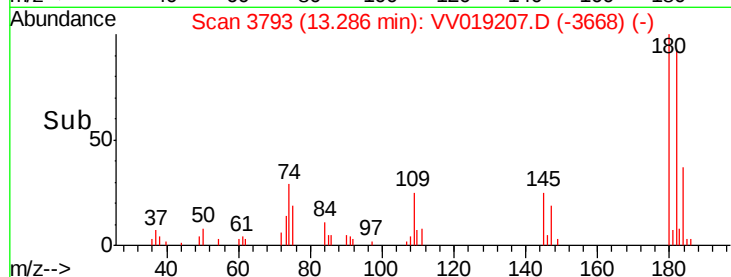
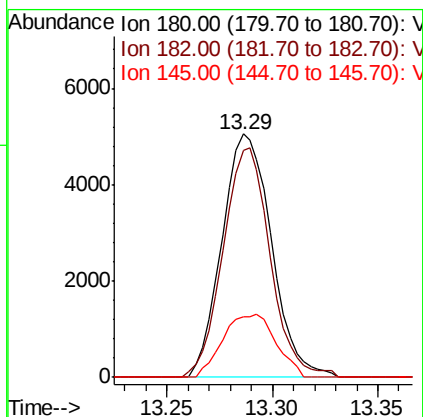
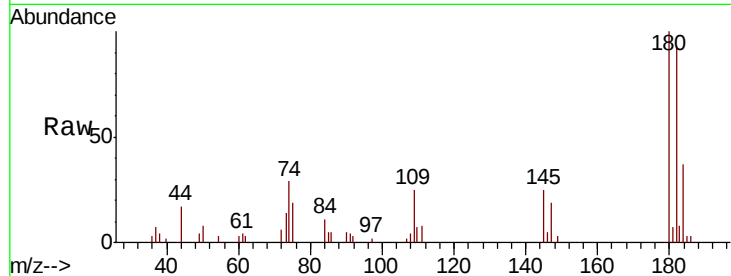




#70
 1,2,4-trichlorobenzene
 Concen: 3.639 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

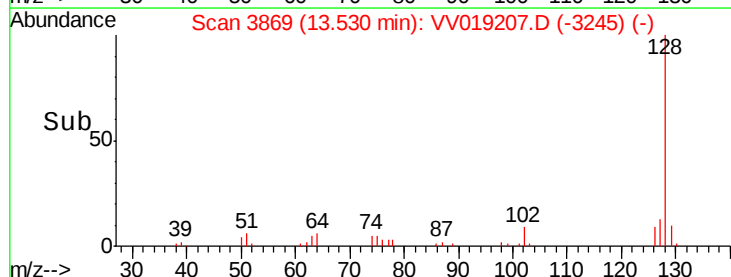
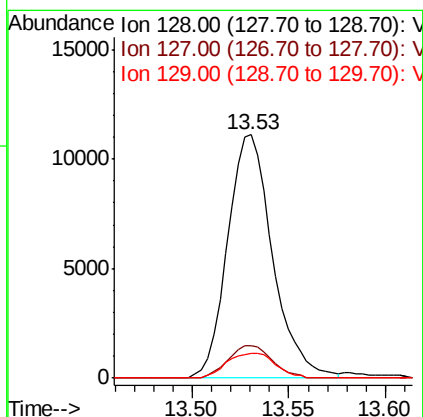
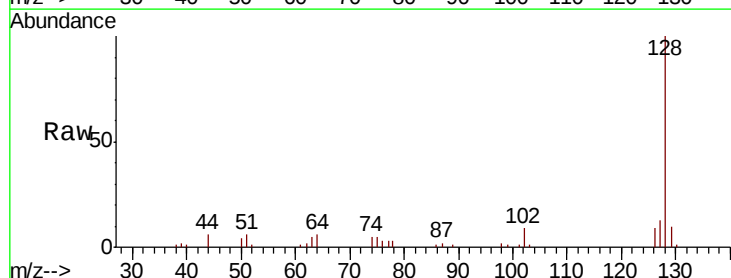
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

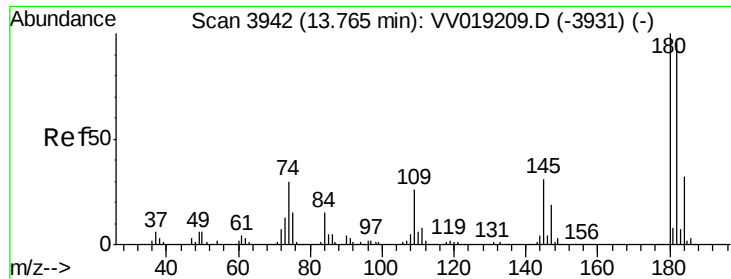
Tot Ion:180 Resp: 8243
 Ion Ratio Lower Upper
 180 100
 182 88.8 76.6 114.8
 145 27.5 23.2 34.8



#71
 Naphthalene
 Concen: 2.628 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Tgt Ion:128 Resp: 17975
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.7 16.1
 129 11.0 8.6 13.0

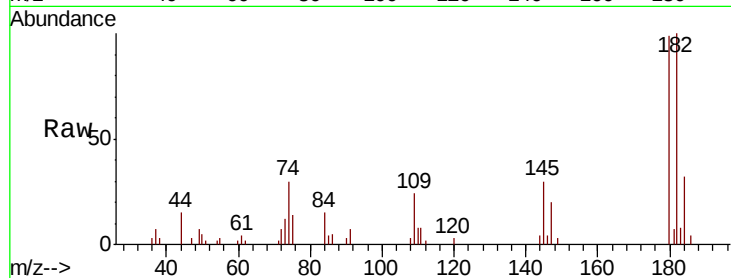




#72
 1,2,3-Trichlorobenzene
 Concen: 3.481 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019207.D
 Acq: 02 Nov 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Tot Ion:180 Resp: 7750
 Ion Ratio Lower Upper
 180 100
 182 100.8 77.4 116.0
 145 31.8 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

