

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
 Data File : VV011321.D
 Acq On : 08 Jun 2019 09:04
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25ML/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Quant Time: Jun 10 06:53:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 10 06:50:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	142014	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	134230	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57943	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48811	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.55	69	41779	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.12	63	100821	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	3.94	46	151482	62.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.06%
24) Chloroform-d	4.40	84	99505	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.08	65	56924	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.09	84	194817	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.11	67	60894	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	179428	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	7.66	79	20334	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.13	63	123028	61.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48575	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	59863	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	52803	3.770 ug/L	96
3) Chloromethane	1.25	50	63635	4.699 ug/L	99
5) Vinyl chloride	1.32	62	67419	5.160 ug/L	99
6) Bromomethane	1.51	94	20288	2.985 ug/L	95
8) Chloroethane	1.57	64	41452	4.965 ug/L	96
9) Trichlorofluoromethane	1.75	101	82538	4.602 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	36815	3.999 ug/L	99
12) 1,1-Dichloroethene	2.13	96	42715	4.774 ug/L	94
13) Acetone	2.19	43	103423	63.671 ug/L	98
14) Carbon disulfide	2.30	76	119960	4.420 ug/L	99
15) Methyl Acetate	2.46	43	26882	6.231 ug/L	94
16) Methylene chloride	2.52	84	50282	5.454 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	135061	5.655 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	47693	4.761 ug/L	93
19) 1,1-Dichloroethane	3.22	63	100595	5.091 ug/L	100
21) 2-Butanone	4.03	43	162972	65.150 ug/L	95
22) cis-1,2-Dichloroethene	3.95	96	56294	5.074 ug/L	100

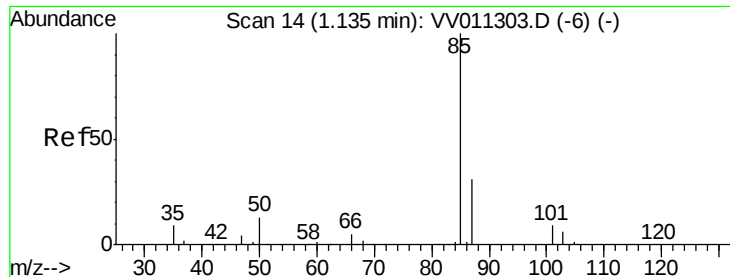
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 10 06:50:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	21465	5.047	ug/L	90
25) Chloroform	4.42	83	103205	5.057	ug/L	99
27) 1,2-Dichloroethane	5.17	62	70517	5.654	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	78305	4.574	ug/L	99
30) Cyclohexane	4.71	56	64483	3.397	ug/L	100
31) Carbon tetrachloride	4.87	117	60747	4.245	ug/L	99
33) Benzene	5.14	78	211432	4.950	ug/L	100
34) Trichloroethene	5.95	95	49504	4.486	ug/L	97
35) Methylcyclohexane	6.17	83	58301	3.195	ug/L	98
37) 1,2-Dichloropropane	6.22	63	53895	5.070	ug/L	99
38) Bromodichloromethane	6.55	83	65075	4.951	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	67658	4.350	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	422076	62.348	ug/L	98
42) Toluene	7.43	91	221385	4.863	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	52873	4.471	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	38008	5.585	ug/L	95
47) Tetrachloroethene	8.01	164	33606	4.214	ug/L	93
48) 2-Hexanone	8.18	43	295414	62.570	ug/L	99
49) Dibromochloromethane	8.29	129	38429	4.972	ug/L	97
50) 1,2-Dibromoethane	8.40	107	35002	5.411	ug/L	97
51) Chlorobenzene	8.92	112	134953	4.861	ug/L	100
52) Ethylbenzene	9.05	91	227418	4.498	ug/L	98
53) m,p-xylene	9.18	106	83425	4.462	ug/L	97
54) o-xylene	9.59	106	88777	4.839	ug/L	100
55) Styrene	9.60	104	145952	4.884	ug/L	95
56) Isopropylbenzene	9.97	105	208371	4.220	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	49431	5.992	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	36348	5.862	ug/L	99
61) Bromoform	9.77	173	17244	4.954	ug/L	90
62) 1,3-Dichlorobenzene	11.23	146	93641	4.887	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	89933	4.835	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	94273	5.323	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	6701	5.280	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	62011	4.499	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	49635	4.743	ug/L	96
69) Naphthalene	13.55	128	98396	5.744	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	50619	5.394	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 3.770 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

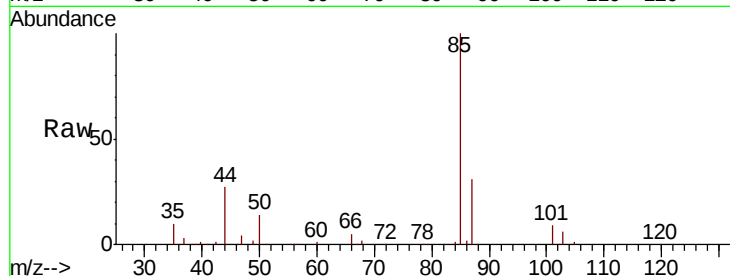
VSTD00535

Tgt Ion: 85 Resp: 52803

Ion Ratio Lower Upper

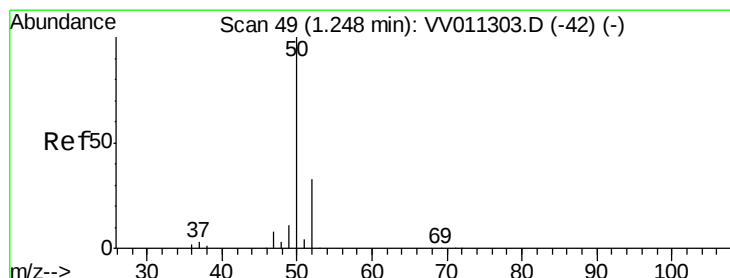
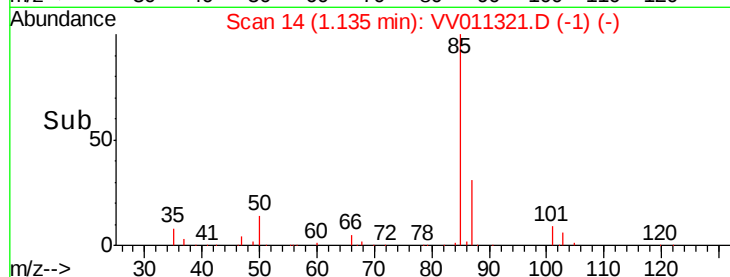
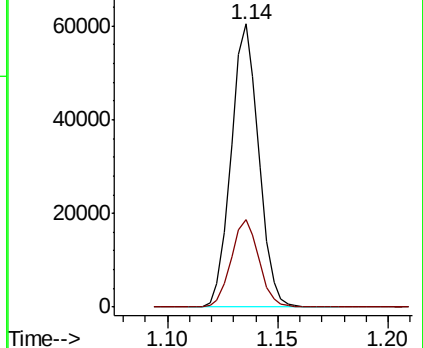
85 100

87 30.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.699 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011321.D

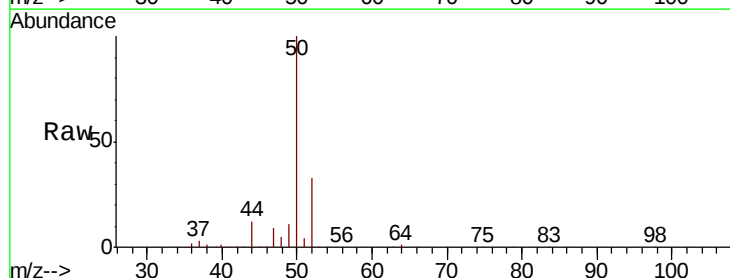
Acq: 08 Jun 2019 09:04

Tgt Ion: 50 Resp: 63635

Ion Ratio Lower Upper

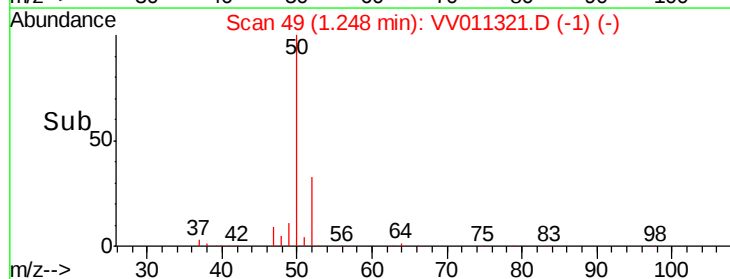
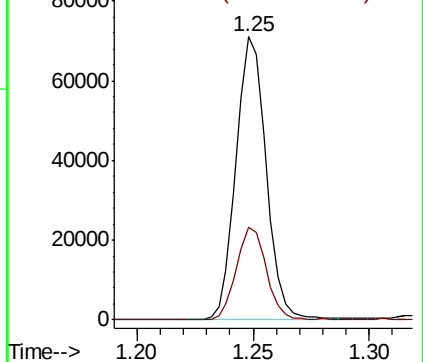
50 100

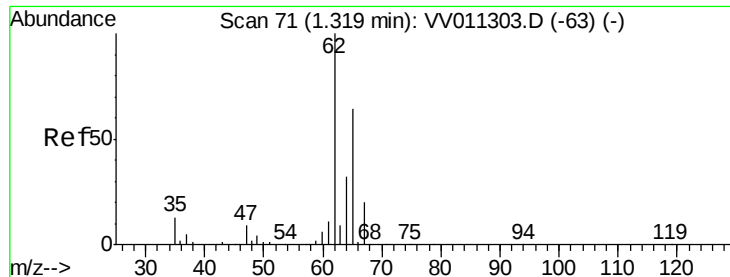
52 32.6 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.160 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

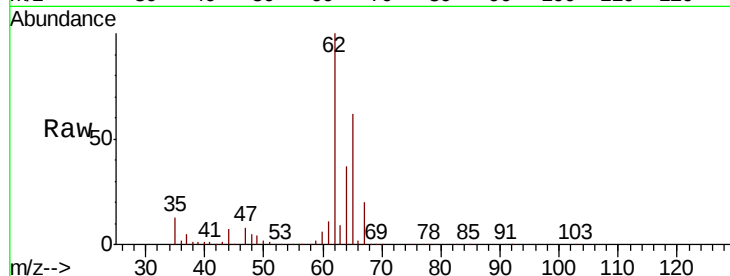
VSTD00535

Tgt Ion: 62 Resp: 67419

Ion Ratio Lower Upper

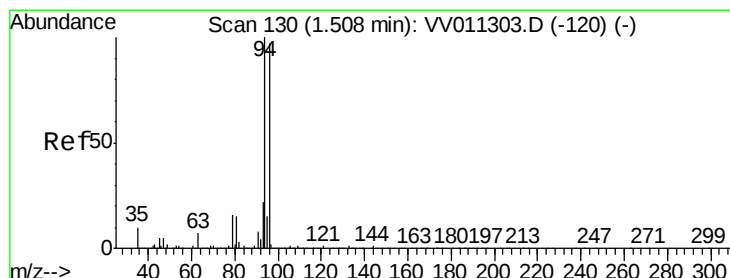
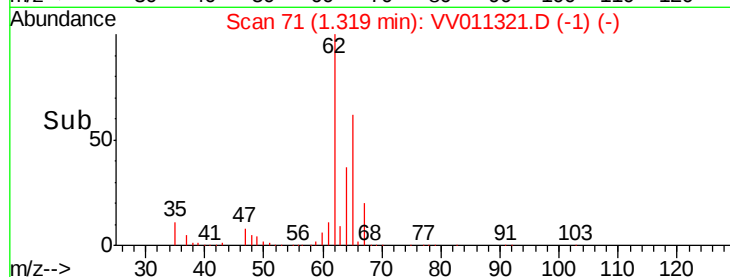
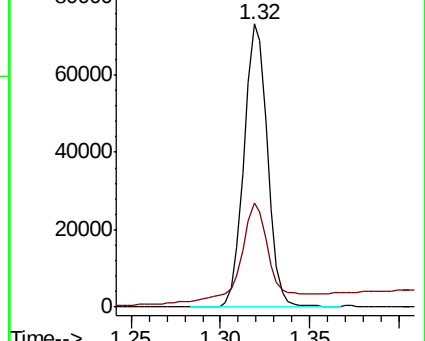
62 100

64 36.6 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 2.985 ug/L

RT: 1.51 min Scan# 129

Delta R.T. 0.00 min

Lab File: VV011321.D

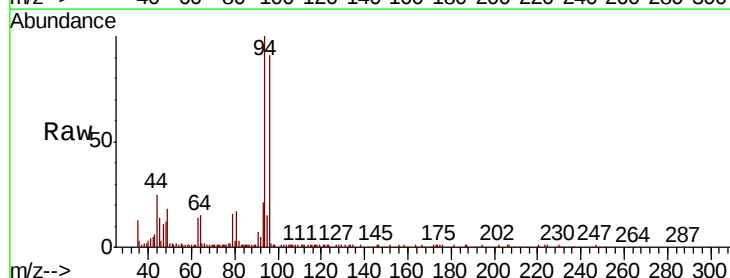
Acq: 08 Jun 2019 09:04

Tgt Ion: 94 Resp: 20288

Ion Ratio Lower Upper

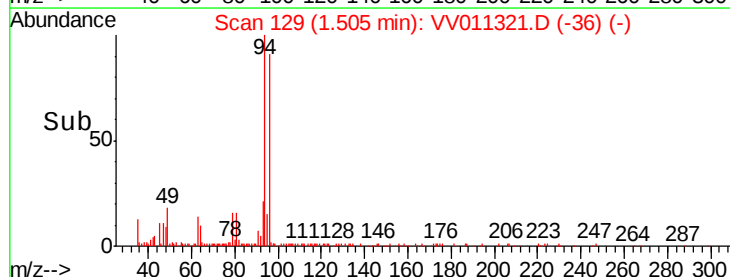
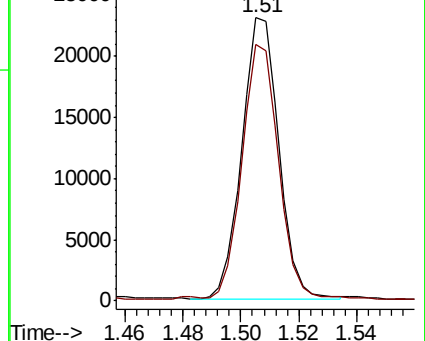
94 100

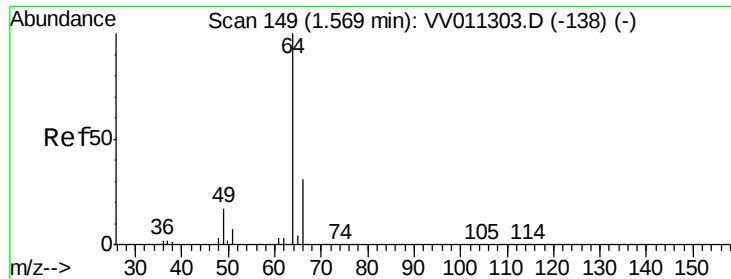
96 90.7 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

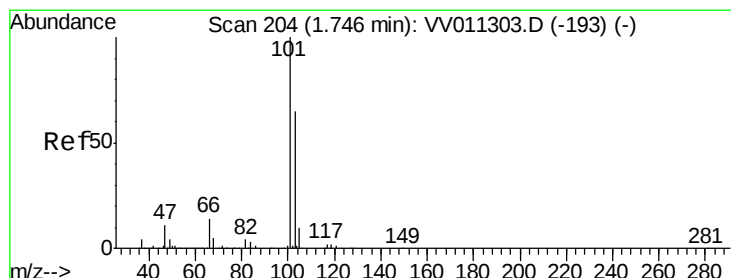
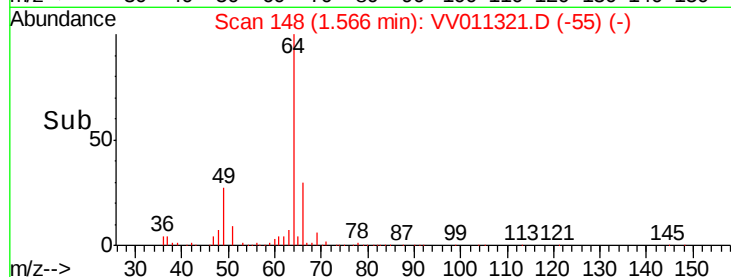
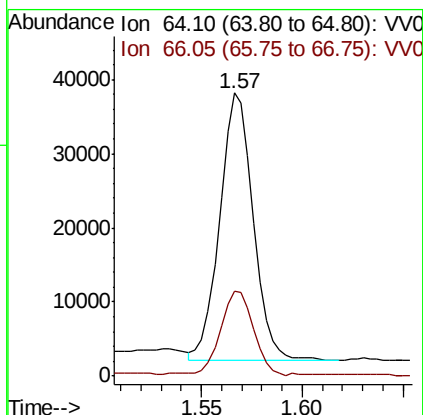
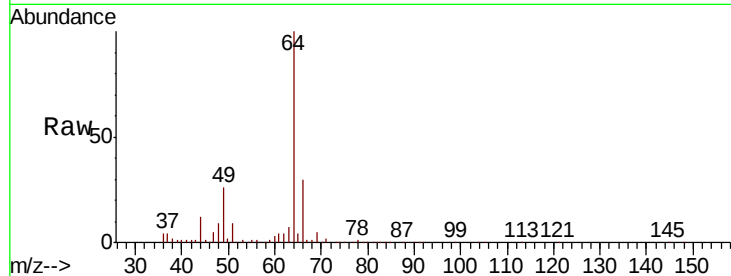




#8
Chloroethane
Concen: 4.965 ug/L
RT: 1.57 min Scan# 148
Delta R.T. 0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

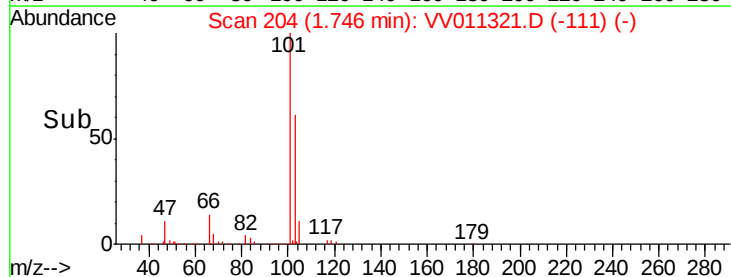
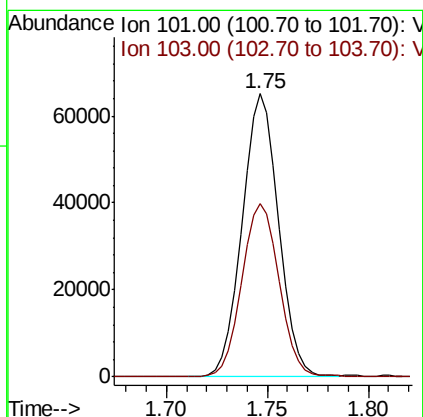
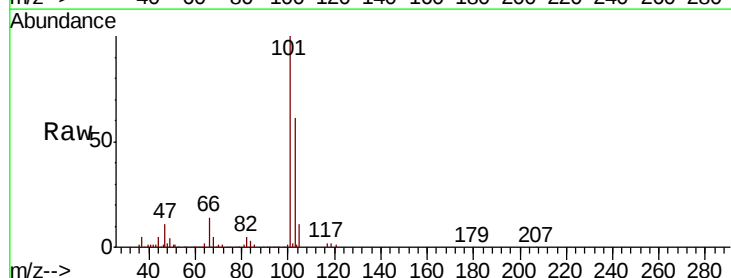
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

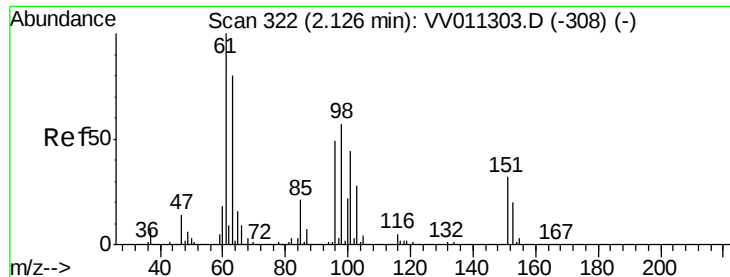
Tgt Ion: 64 Resp: 41452
Ion Ratio Lower Upper
64 100
66 30.0 19.4 36.0



#9
Trichlorofluoromethane
Concen: 4.602 ug/L
RT: 1.75 min Scan# 204
Delta R.T. 0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

Tgt Ion: 101 Resp: 82538
Ion Ratio Lower Upper
101 100
103 63.0 50.8 76.2





#10

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

Concen: 3.999 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

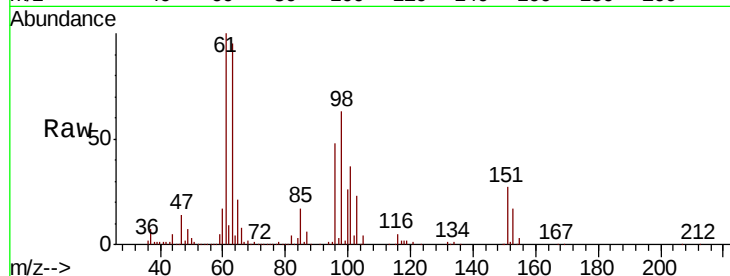
Tgt Ion: 101 Resp: 36815

Ion Ratio Lower Upper

101 100

85 45.5 35.5 53.3

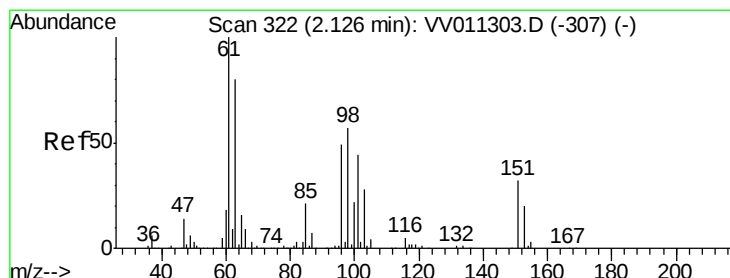
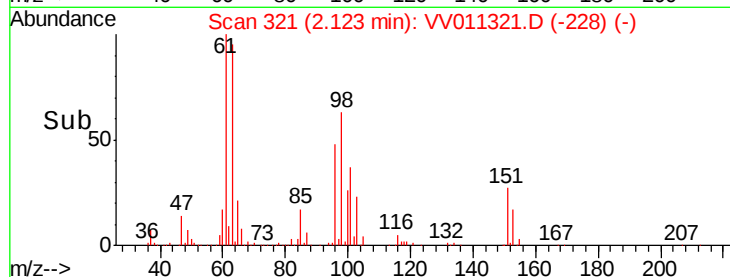
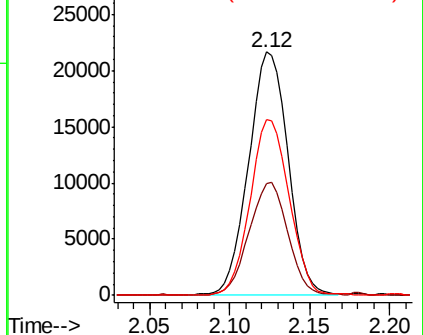
151 71.5 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV011321.D (-228) (-)

Ion 85.00 (84.70 to 85.70): VV011321.D (-228) (-)

Ion 151.00 (150.70 to 151.70): VV011321.D (-228) (-)



#12

1,1-Dichloroethene

Concen: 4.774 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

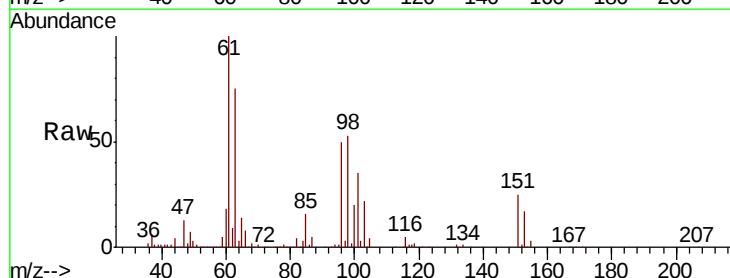
Tgt Ion: 96 Resp: 42715

Ion Ratio Lower Upper

96 100

61 200.7 139.8 259.6

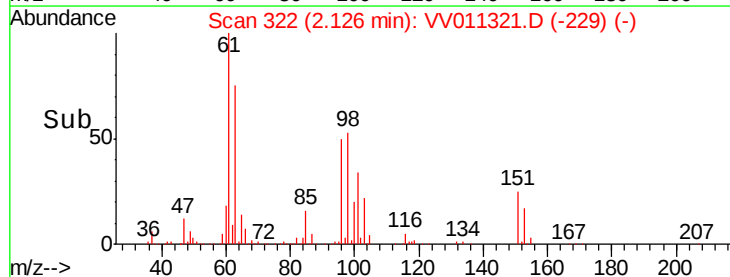
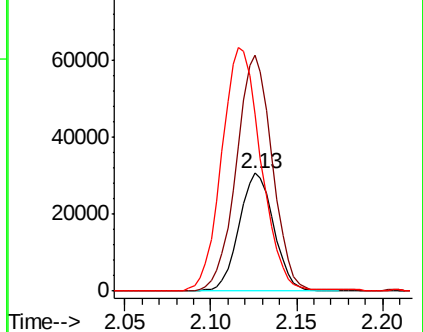
63 150.2 94.3 175.1

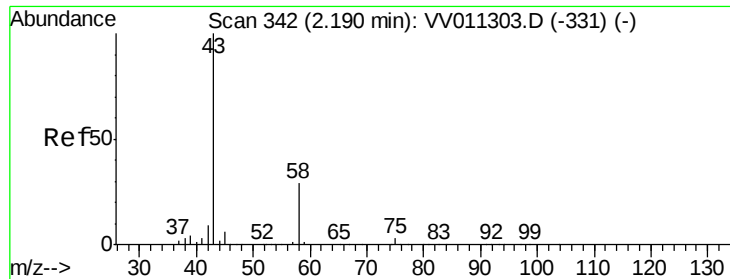


Abundance Ion 96.00 (95.70 to 96.70): VV011321.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV011321.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV011321.D (-229) (-)





#13

Acetone

Concen: 63.671 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

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MSVOA_V

ClientSampleId :

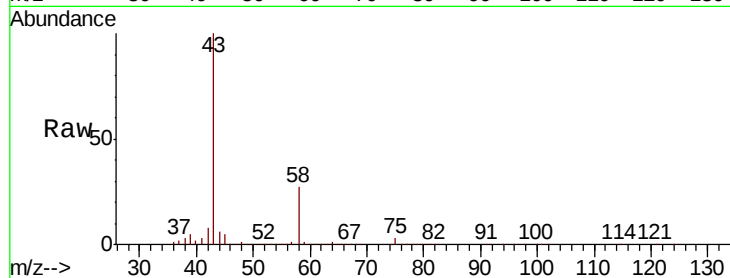
VSTD00535

Tgt Ion: 43 Resp: 103423

Ion Ratio Lower Upper

43 100

58 26.4 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

80000

60000

40000

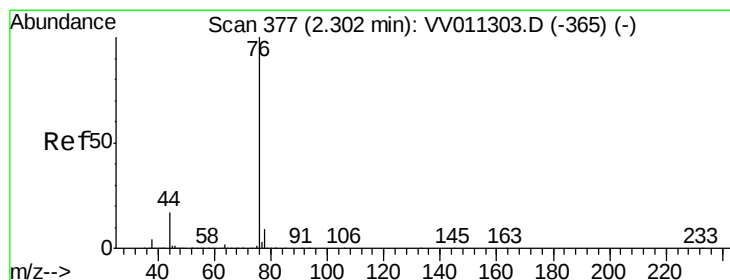
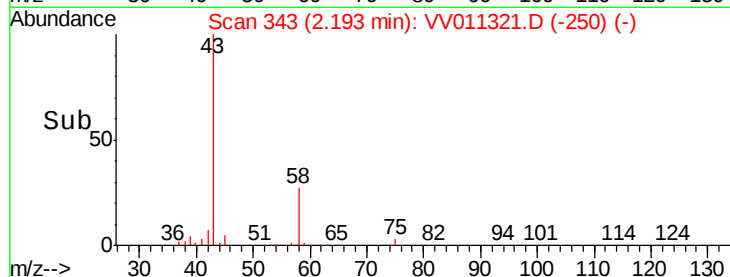
20000

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Time-->

2.15 2.20 2.25

2.19



#14

Carbon disulfide

Concen: 4.420 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV011321.D

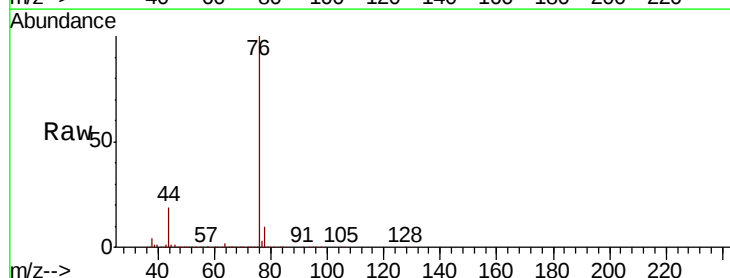
Acq: 08 Jun 2019 09:04

Tgt Ion: 76 Resp: 119960

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

80000

60000

40000

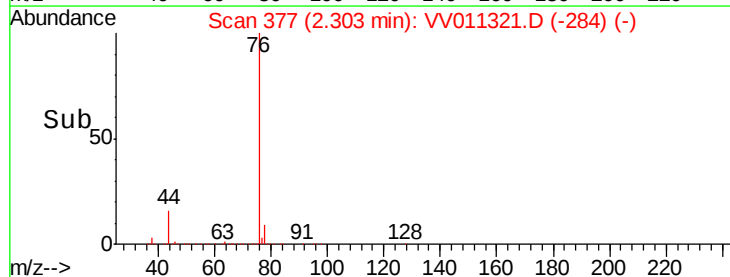
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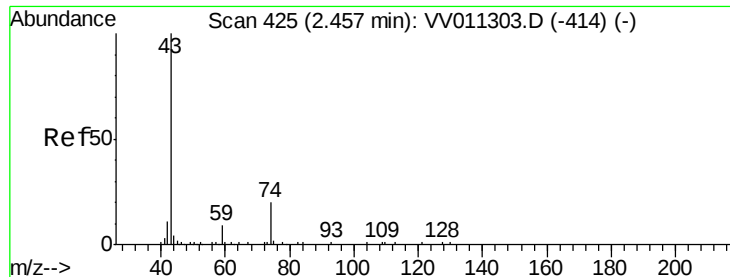
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Time-->

2.20 2.25 2.30 2.35 2.40

2.30

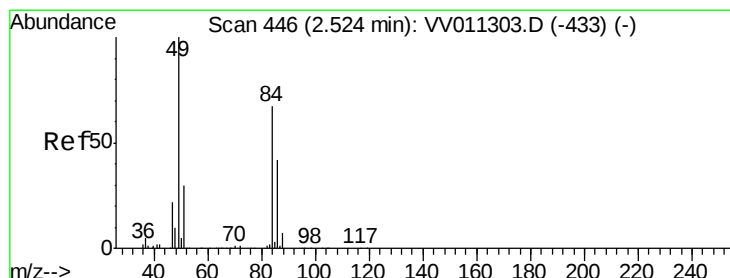
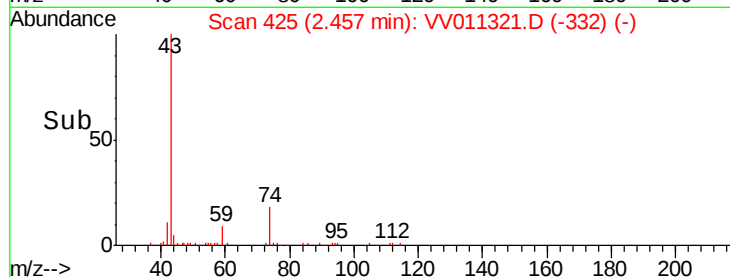
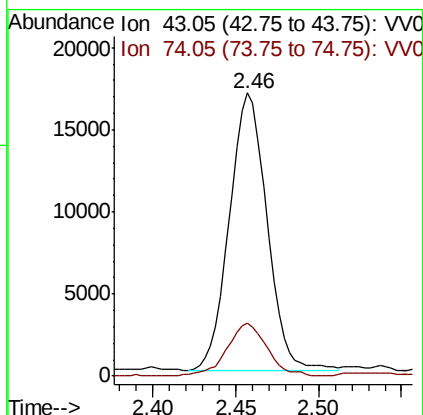
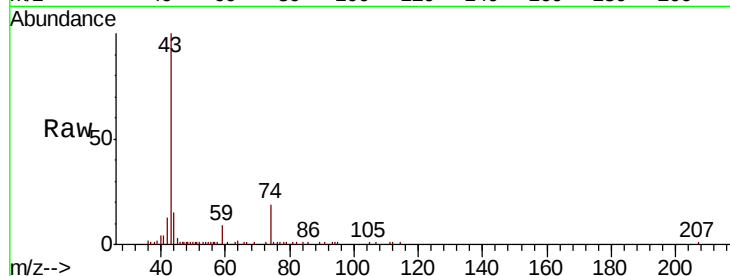




#15
Methyl Acetate
Concen: 6.231 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

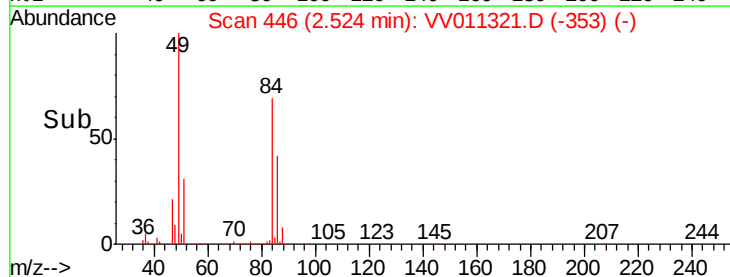
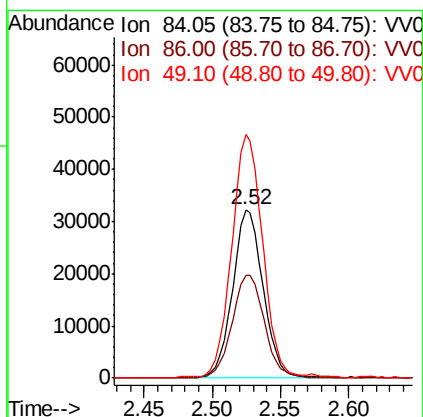
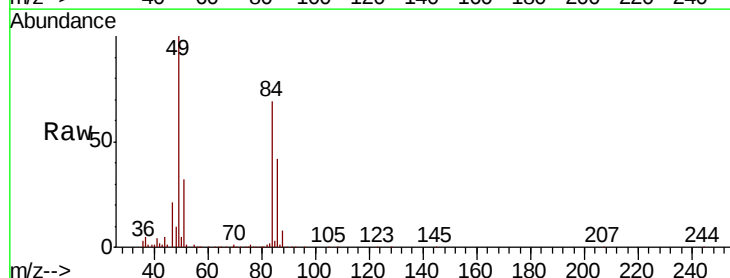
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

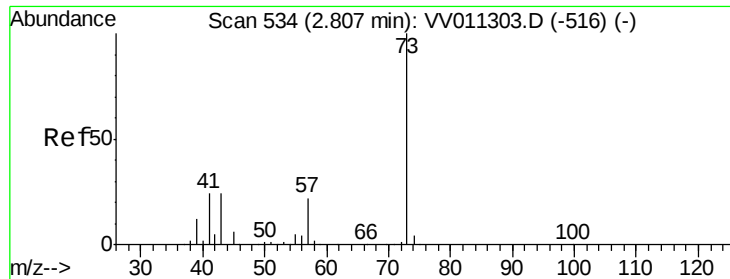
Tgt Ion: 43 Resp: 26882
Ion Ratio Lower Upper
43 100
74 20.2 18.5 27.7



#16
Methylene chloride
Concen: 5.454 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

Tgt Ion: 84 Resp: 50282
Ion Ratio Lower Upper
84 100
86 60.8 44.9 83.3
49 144.5 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 5.655 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

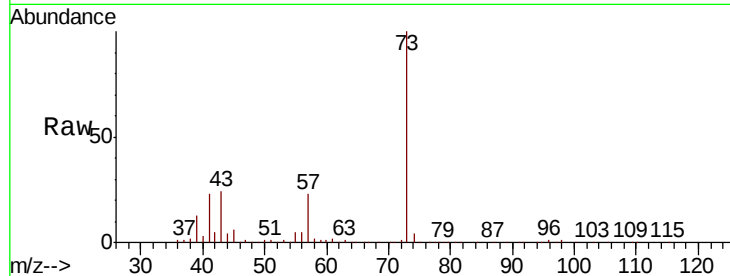
Tgt Ion: 73 Resp: 135061

Ion Ratio Lower Upper

73 100

43 24.3 18.7 28.1

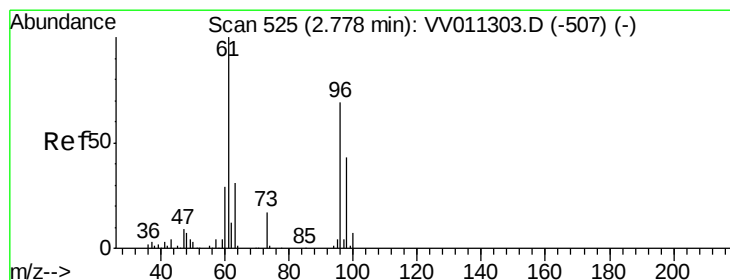
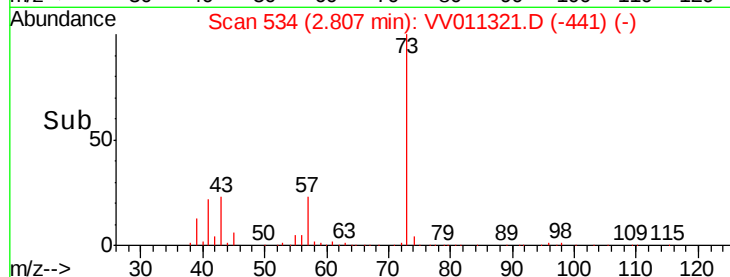
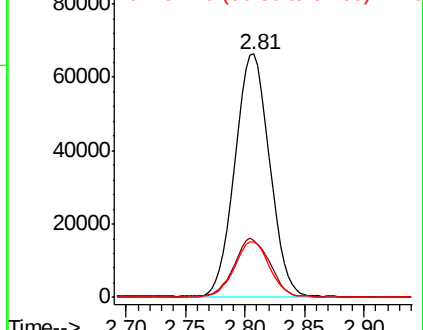
57 23.5 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.761 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

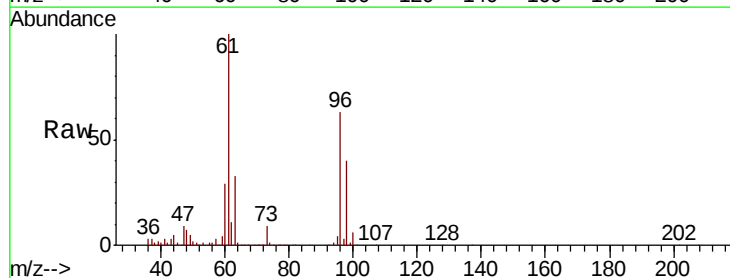
Tgt Ion: 96 Resp: 47693

Ion Ratio Lower Upper

96 100

61 159.5 104.0 193.2

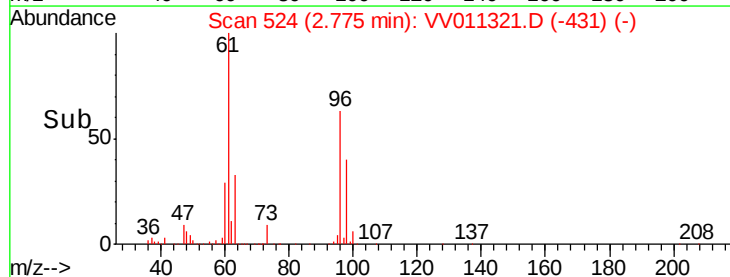
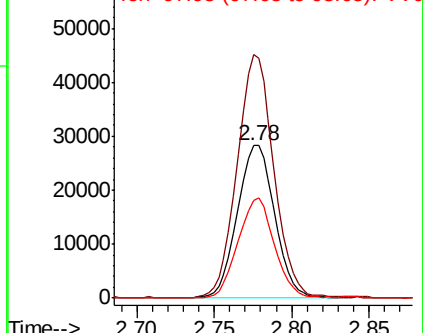
98 63.7 45.7 84.9

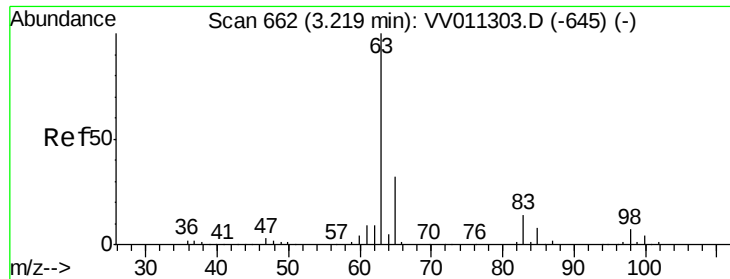


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

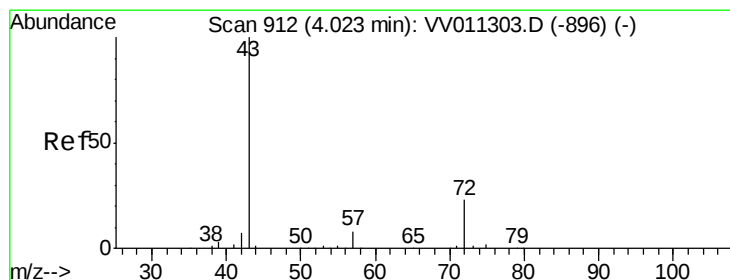
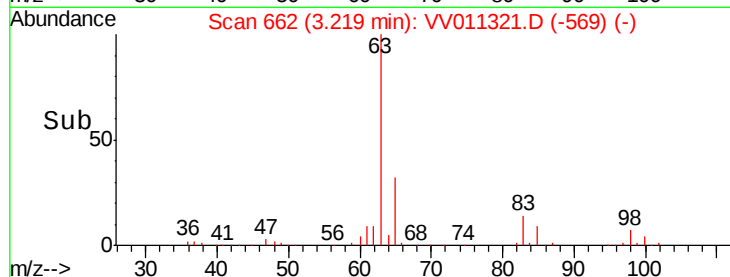
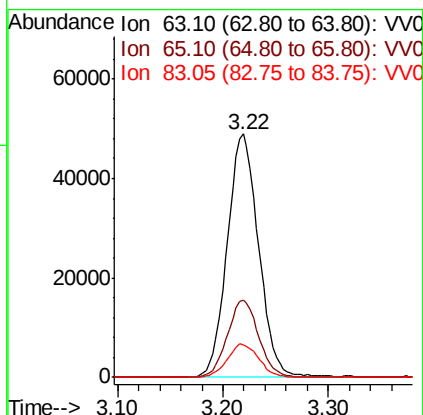
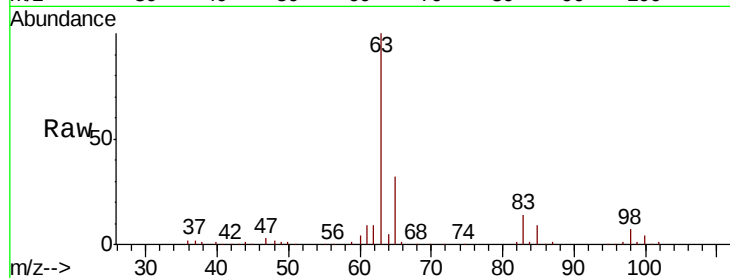




#19
 1,1-Dichloroethane
 Concen: 5.091 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

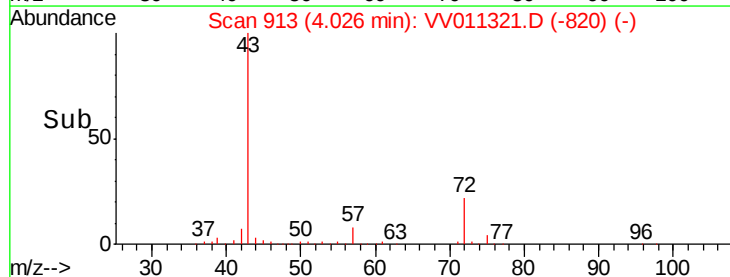
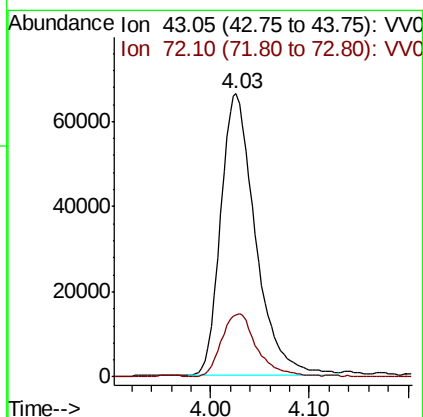
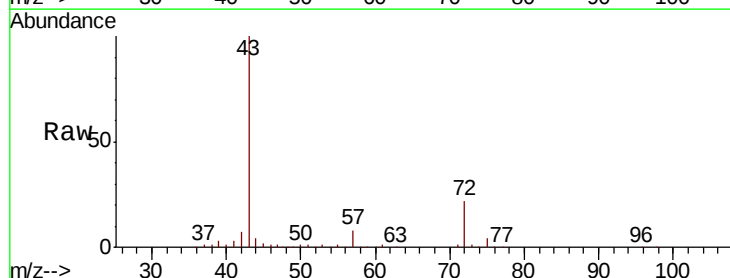
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

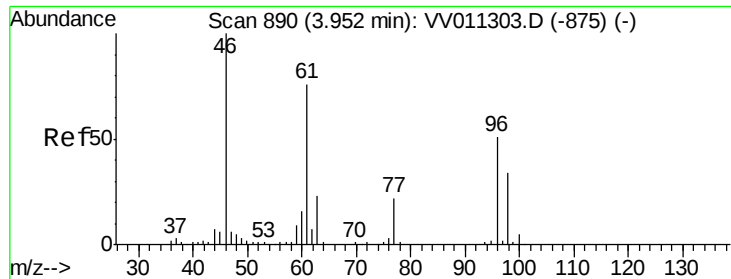
Tgt Ion: 63 Resp: 100595
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 13.5 9.2 17.0



#21
 2-Butanone
 Concen: 65.150 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Tgt Ion: 43 Resp: 162972
 Ion Ratio Lower Upper
 43 100
 72 23.1 12.7 38.1



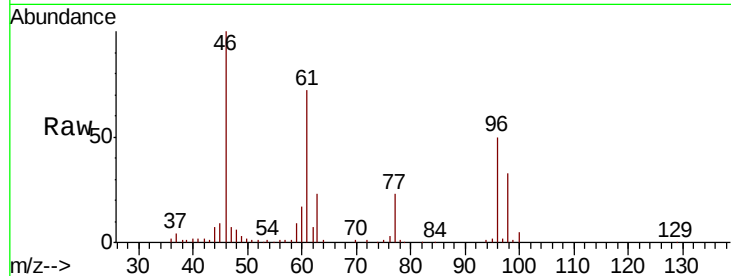


#22

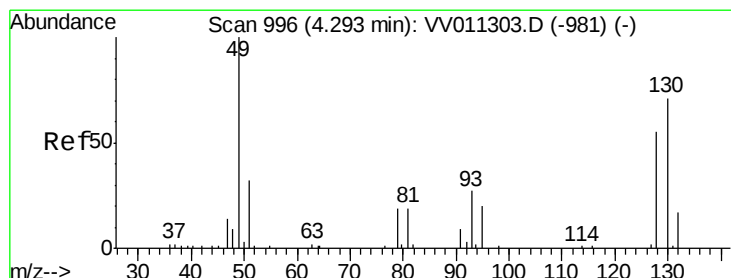
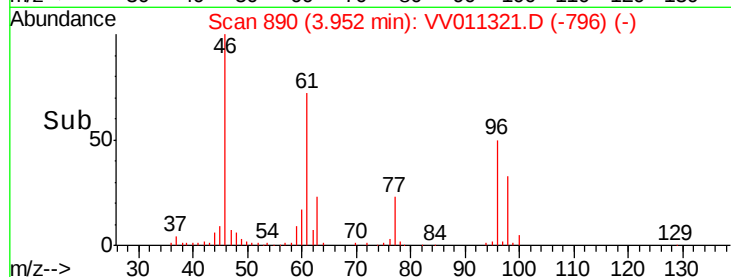
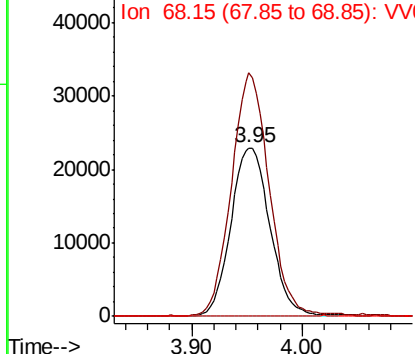
cis-1,2-Dichloroethene
 Concen: 5.074 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion: 96 Resp: 56294
 Ion Ratio Lower Upper
 96 100
 61 144.3 100.8 187.2
 68 0.0 0.0 0.0



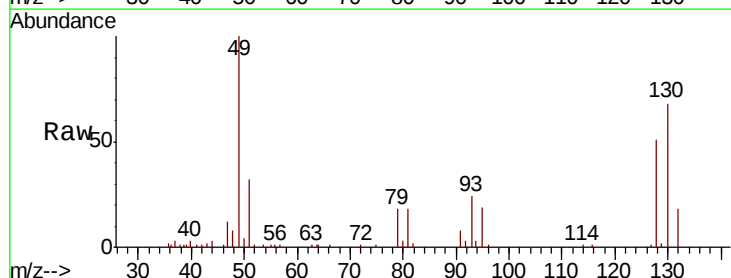
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



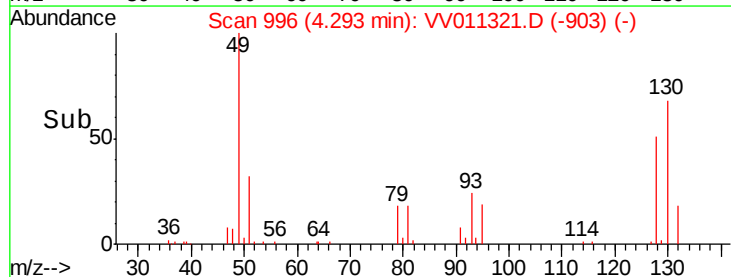
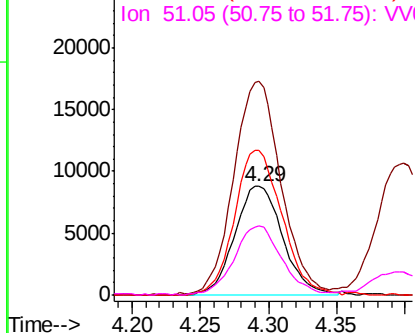
#23

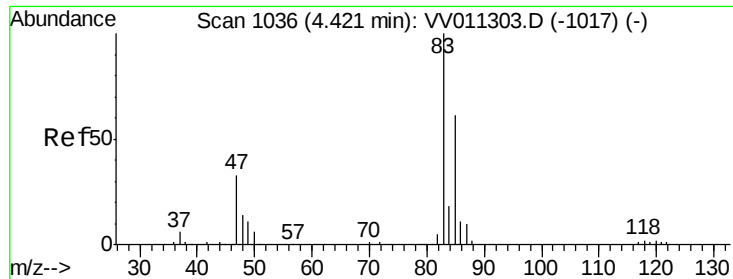
Bromochloromethane
 Concen: 5.047 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Tgt Ion: 128 Resp: 21465
 Ion Ratio Lower Upper
 128 100
 49 197.0 128.9 239.5
 130 133.1 82.5 153.1
 51 63.3 47.2 70.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

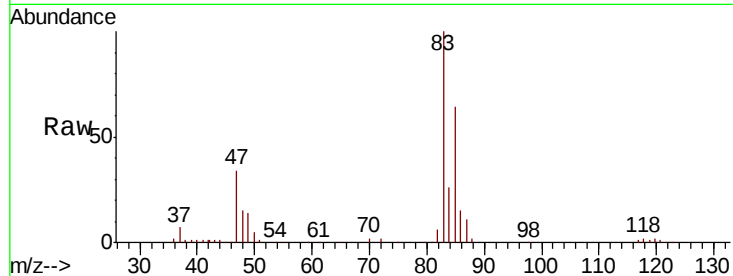




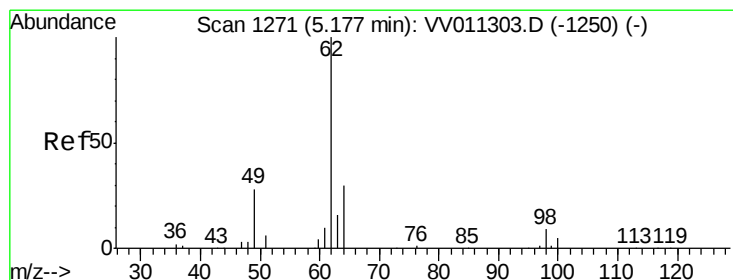
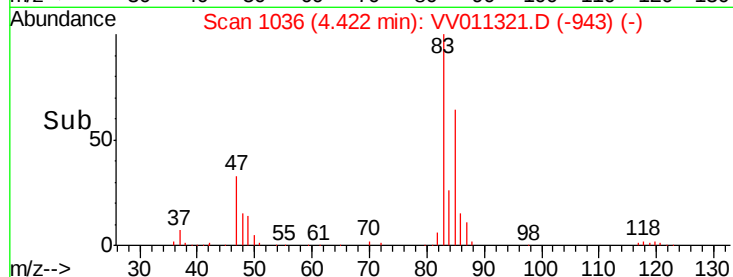
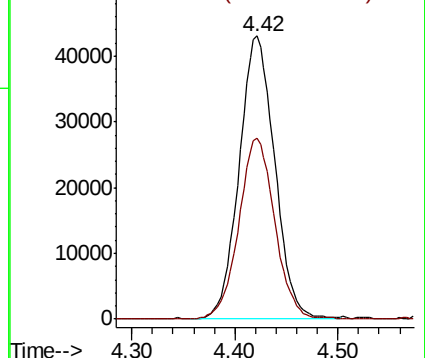
#25
Chloroform
Concen: 5.057 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Tgt Ion: 83 Resp: 103205
Ion Ratio Lower Upper
83 100
85 64.0 44.1 81.9

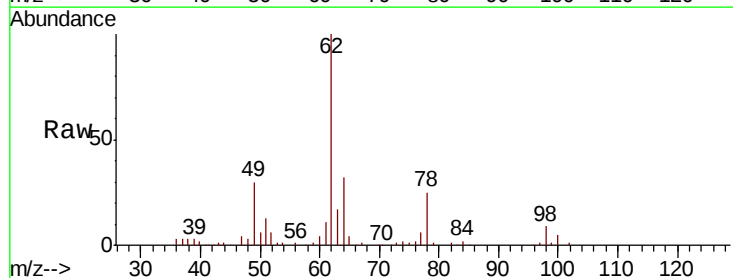


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

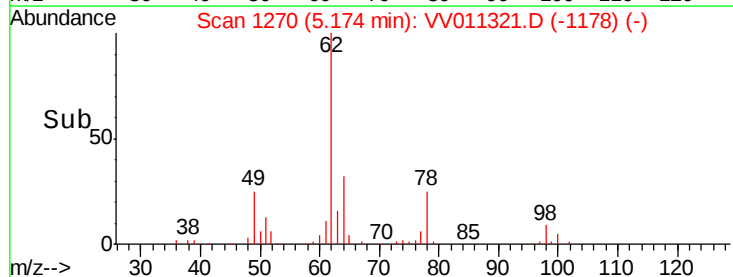
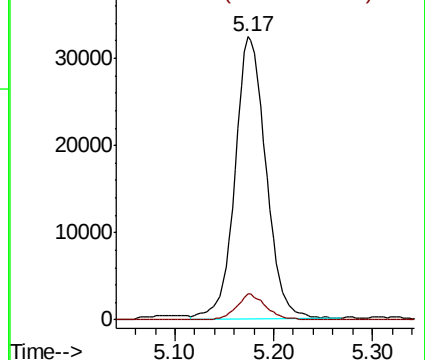


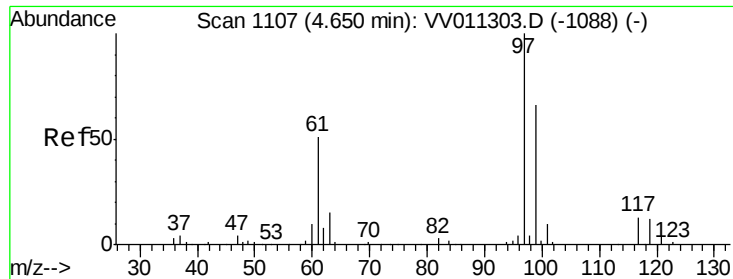
#27
1,2-Dichloroethane
Concen: 5.654 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

Tgt Ion: 62 Resp: 70517
Ion Ratio Lower Upper
62 100
98 9.2 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

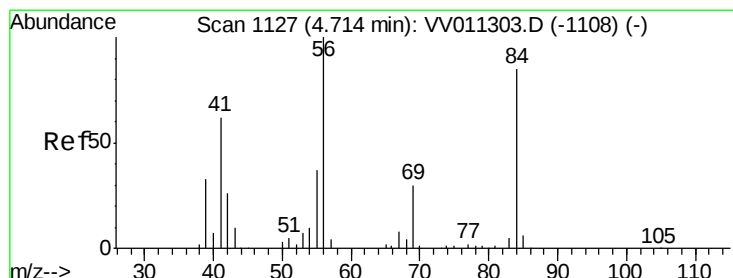
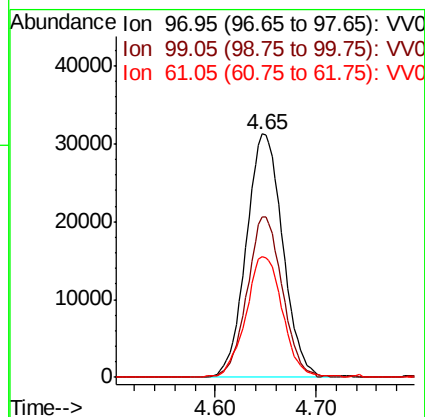
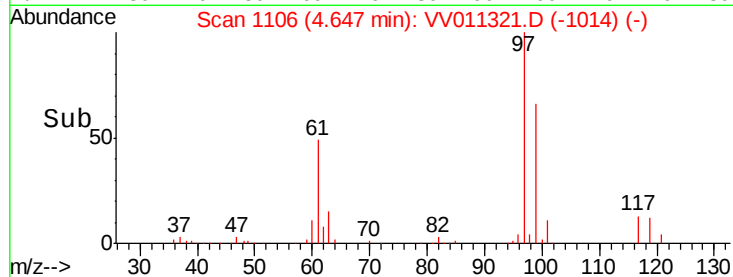
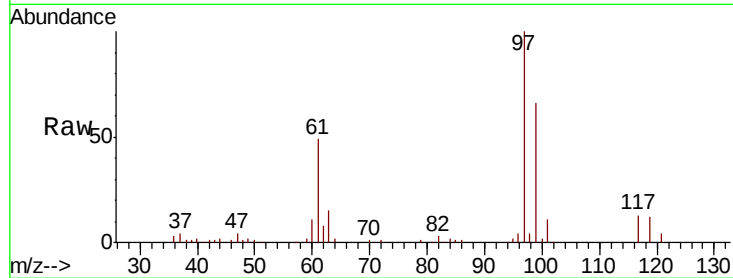




#29
1,1,1-Trichloroethane
Concen: 4.574 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

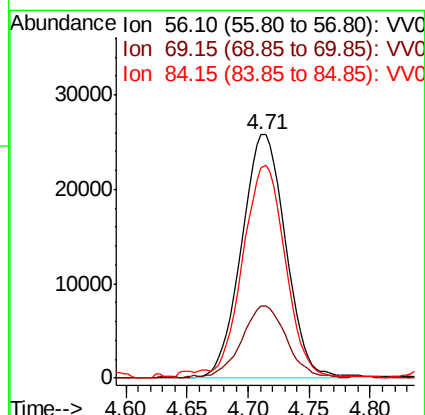
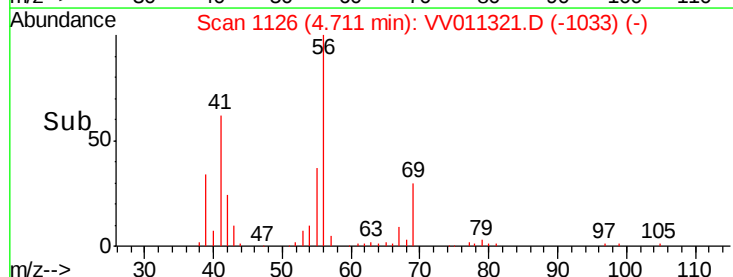
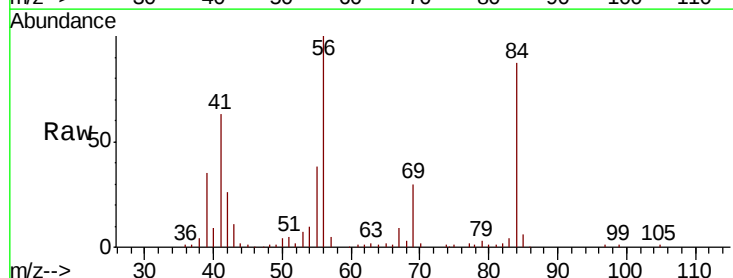
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

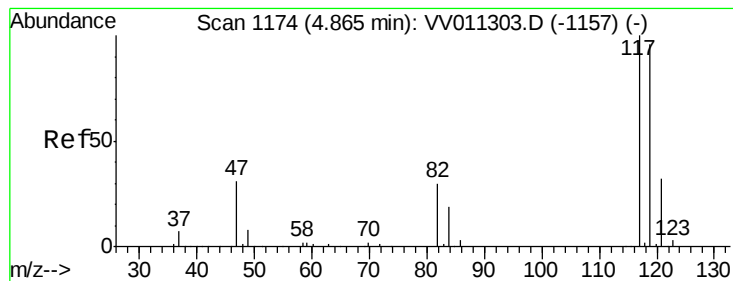
Tgt Ion: 97 Resp: 78305
Ion Ratio Lower Upper
97 100
99 63.3 50.8 76.2
61 50.0 38.9 58.3



#30
Cyclohexane
Concen: 3.397 ug/L
RT: 4.71 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

Tgt Ion: 56 Resp: 64483
Ion Ratio Lower Upper
56 100
69 30.3 24.1 36.1
84 83.4 66.4 99.6





#31

Carbon tetrachloride

Concen: 4.245 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

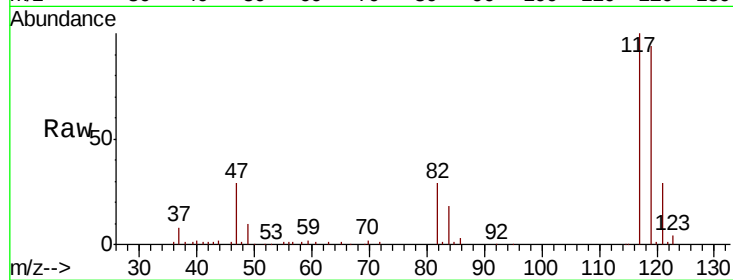
VSTD00535

Tgt Ion:117 Resp: 60747

Ion Ratio Lower Upper

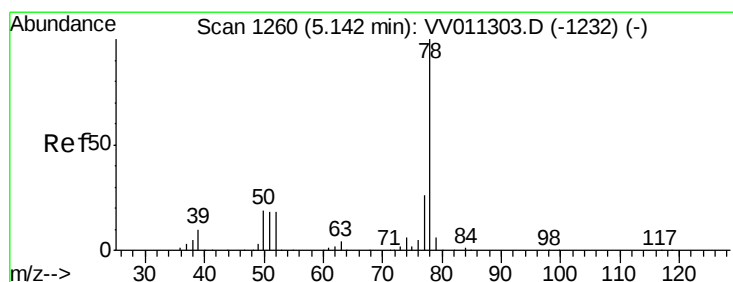
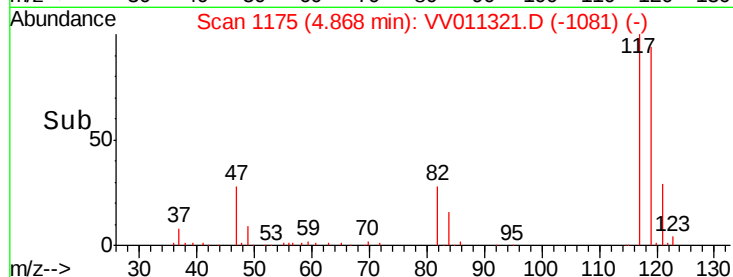
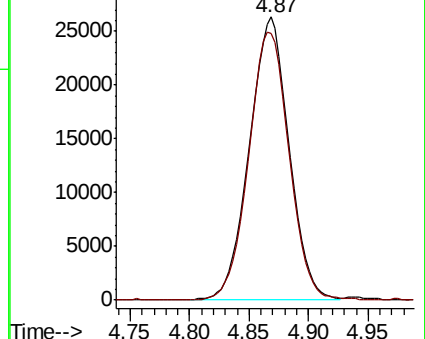
117 100

119 96.5 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.950 ug/L

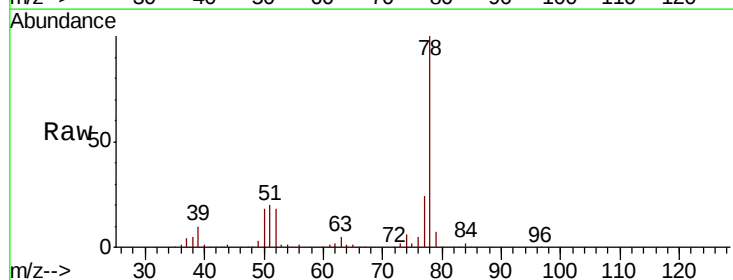
RT: 5.14 min Scan# 1259

Delta R.T. 0.00 min

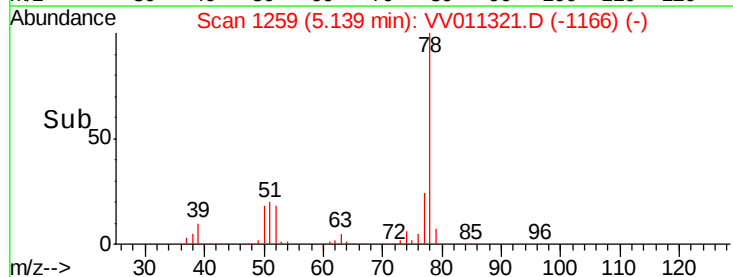
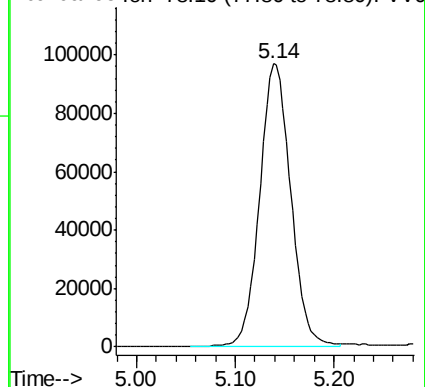
Lab File: VV011321.D

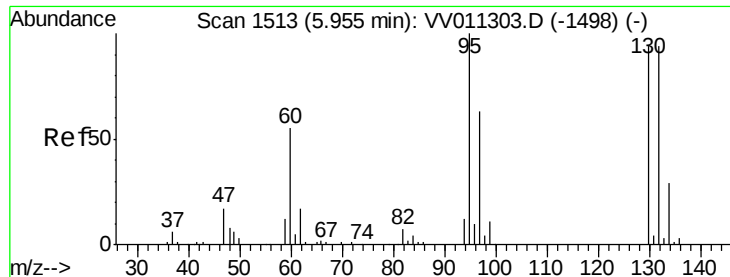
Acq: 08 Jun 2019 09:04

Tgt Ion: 78 Resp: 211432



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.486 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

Tgt Ion: 95 Resp: 49504

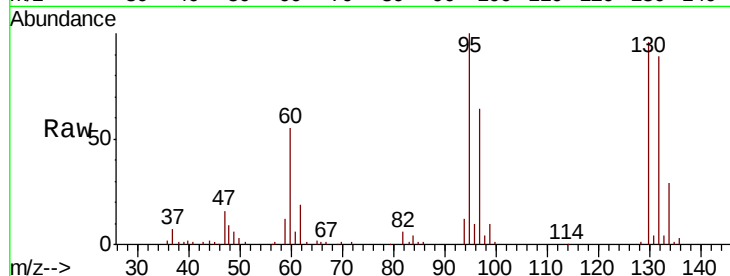
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.2

132 89.3 66.4 123.2

130 95.9 68.3 126.8

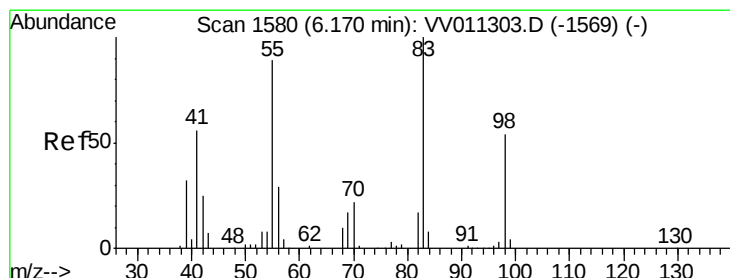
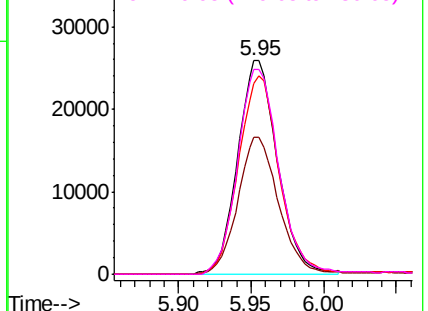
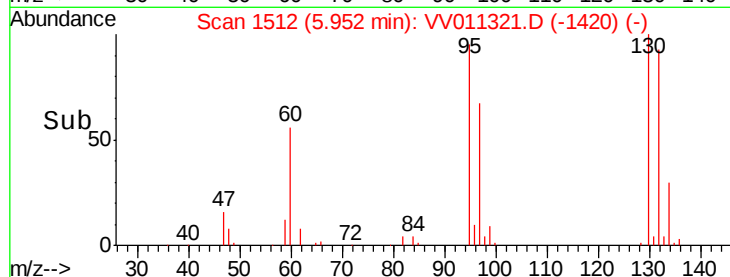


Abundance Ion 95.00 (94.70 to 95.70): VV011321.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV011321.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV011321.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV011321.D (-1420) (-)



#35

Methylcyclohexane

Concen: 3.195 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

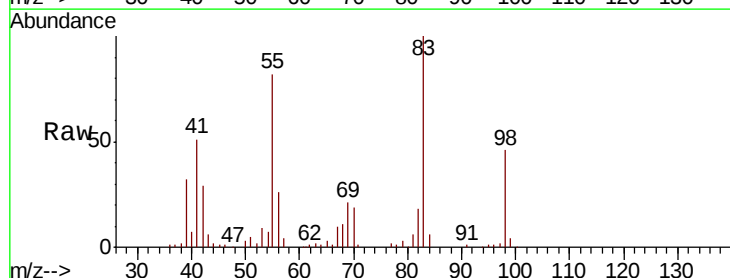
Tgt Ion: 83 Resp: 58301

Ion Ratio Lower Upper

83 100

55 85.6 67.0 100.6

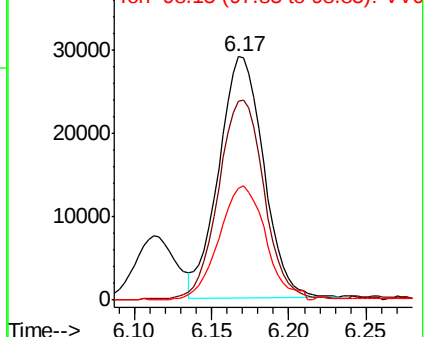
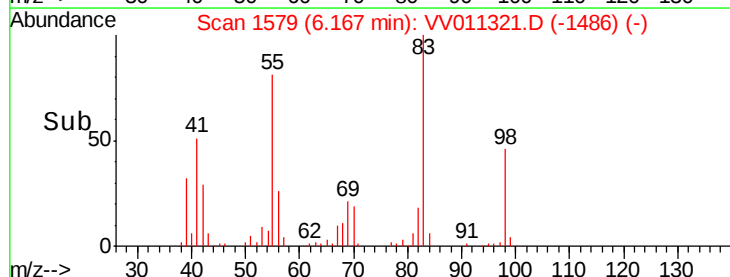
98 49.4 40.0 60.0

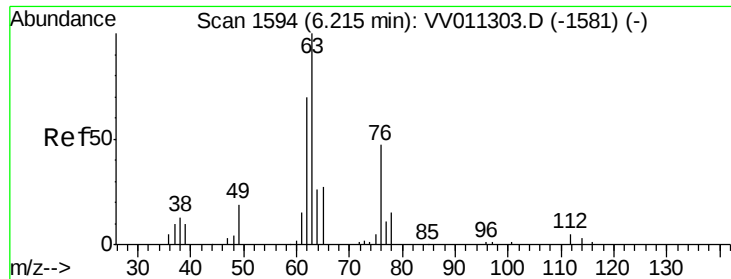


Abundance Ion 83.15 (82.85 to 83.85): VV011321.D (-1486) (-)

Ion 55.10 (54.80 to 55.80): VV011321.D (-1486) (-)

Ion 98.15 (97.85 to 98.85): VV011321.D (-1486) (-)

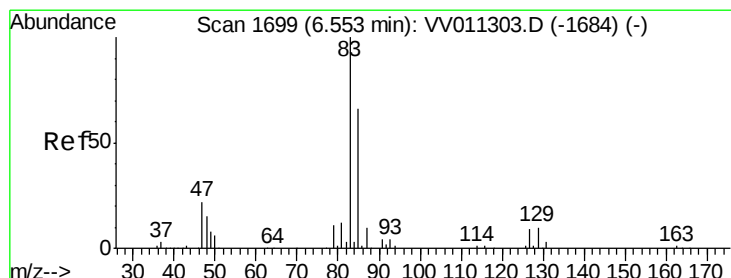
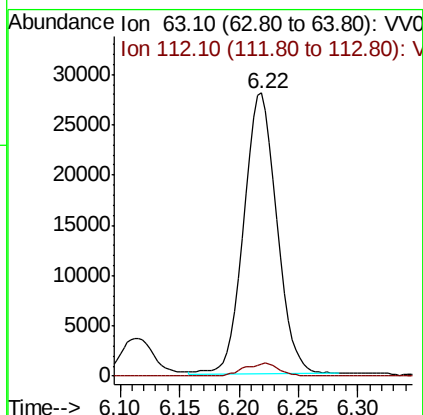
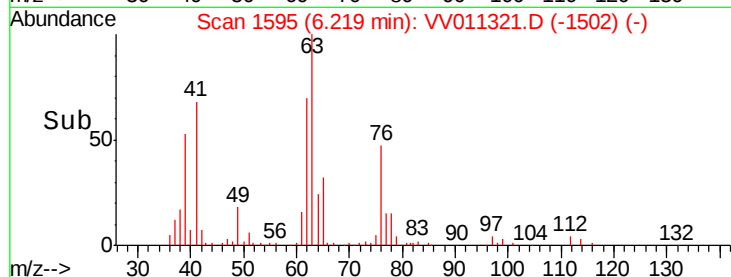
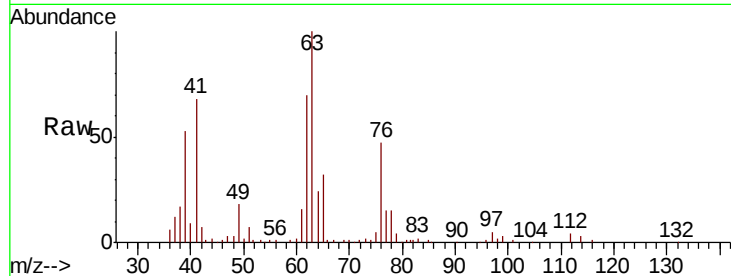




#37
 1,2-Dichloropropane
 Concen: 5.070 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

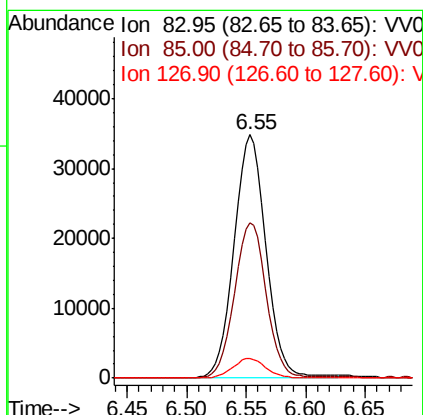
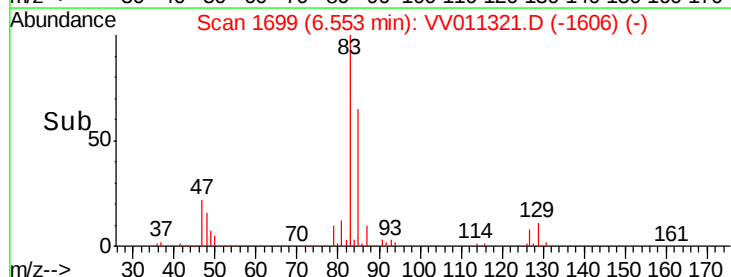
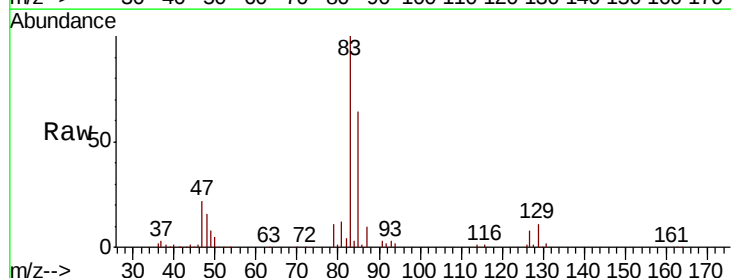
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

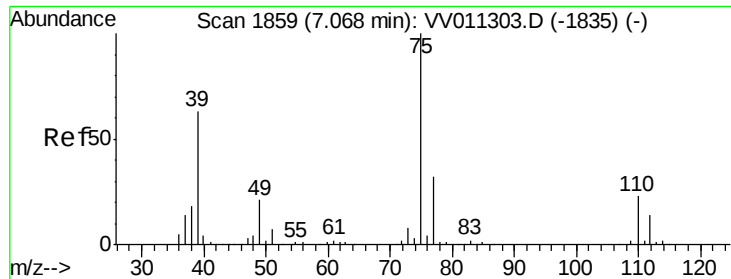
Tgt Ion: 63 Resp: 53895
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.951 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Tgt Ion: 83 Resp: 65075
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.5 82.7
 127 8.2 7.0 10.4

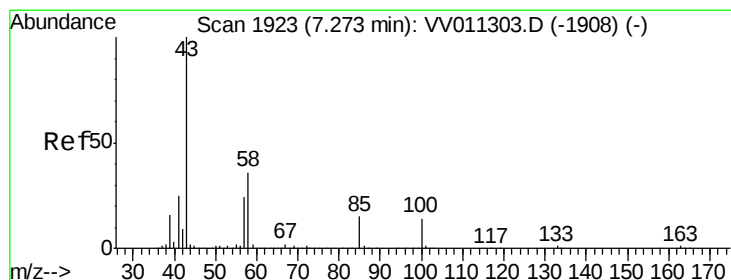
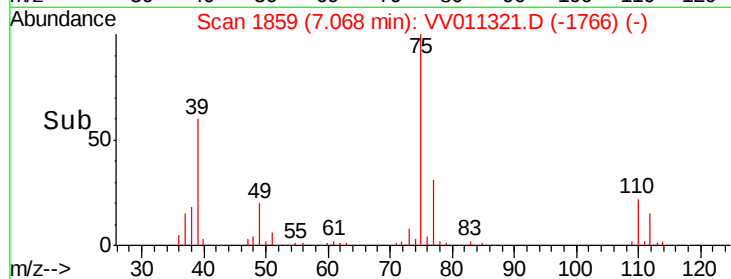
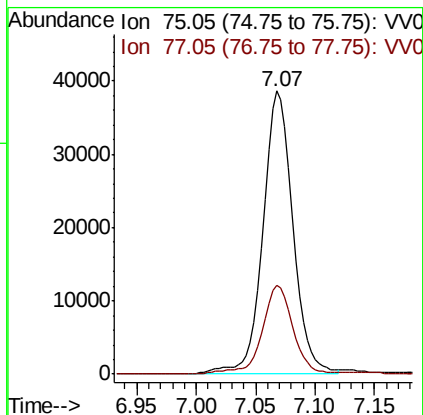
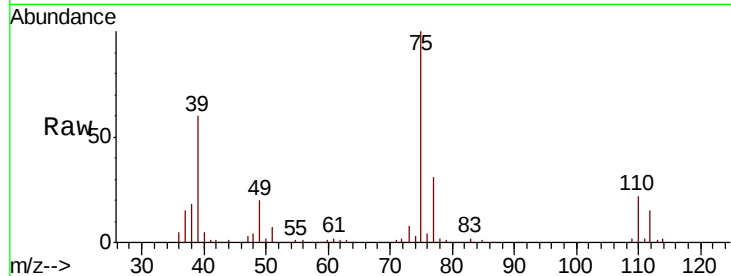




#39
 cis-1,3-Dichloropropene
 Concen: 4.350 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

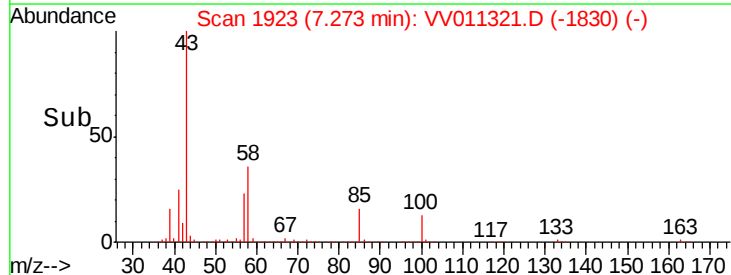
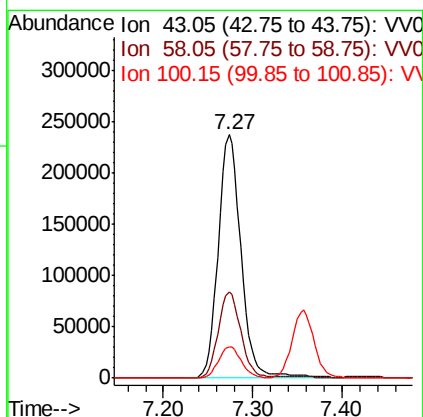
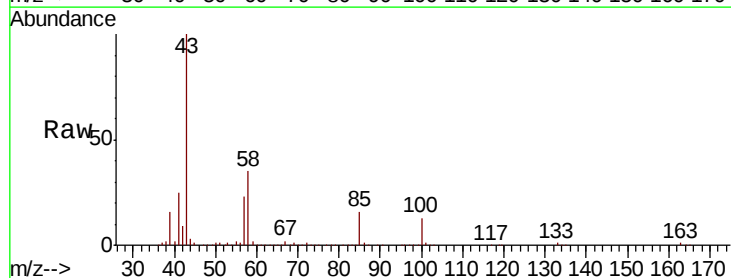
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

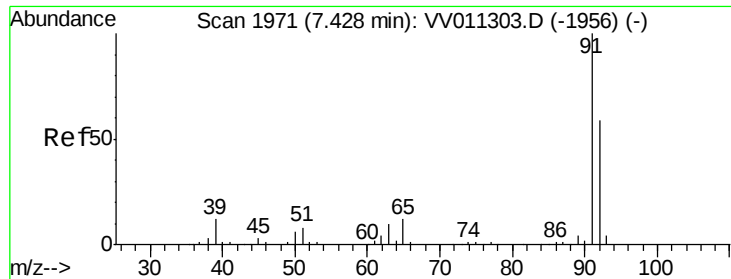
Tgt Ion: 75 Resp: 67658
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 62.348 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Tgt Ion: 43 Resp: 422076
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.3 43.9
 100 13.0 10.6 16.0





#42

Toluene

Concen: 4.863 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampled :

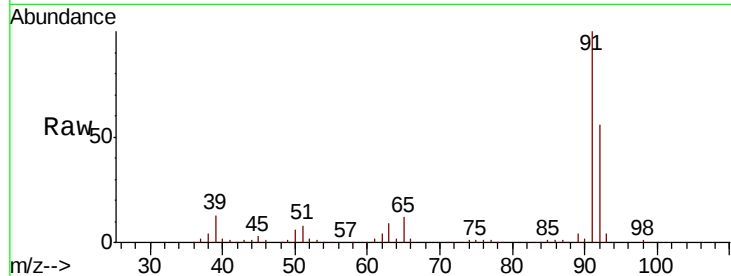
VSTD00535

Tgt Ion: 91 Resp: 221385

Ion Ratio Lower Upper

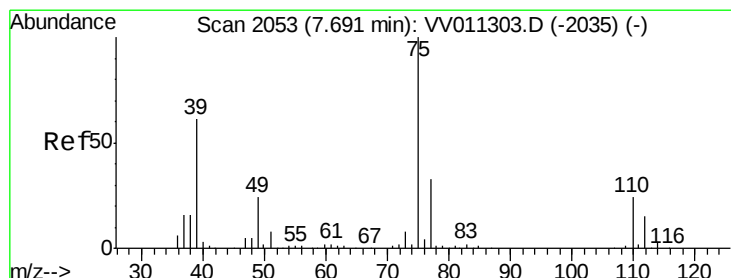
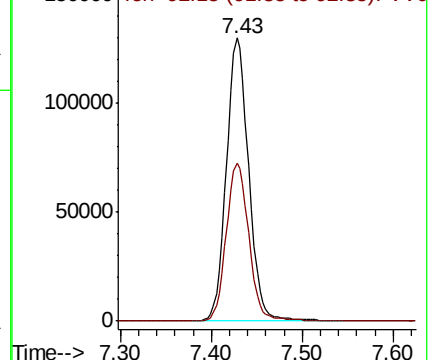
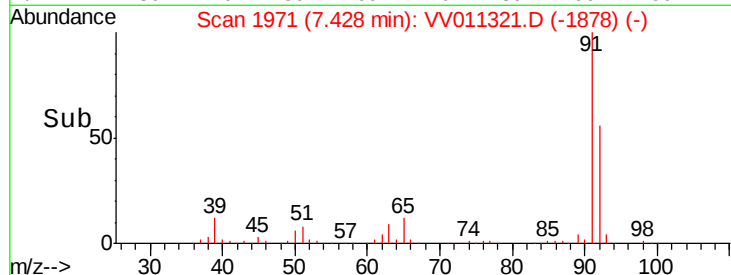
91 100

92 55.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV011303.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV011321.D (-1878) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.471 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011321.D

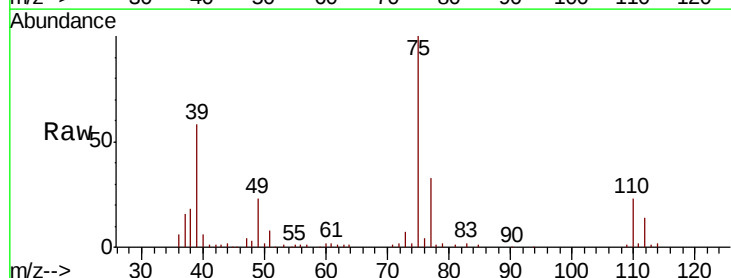
Acq: 08 Jun 2019 09:04

Tgt Ion: 75 Resp: 52873

Ion Ratio Lower Upper

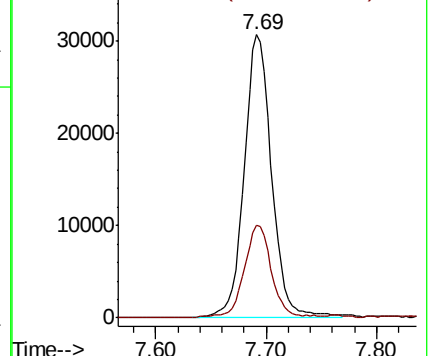
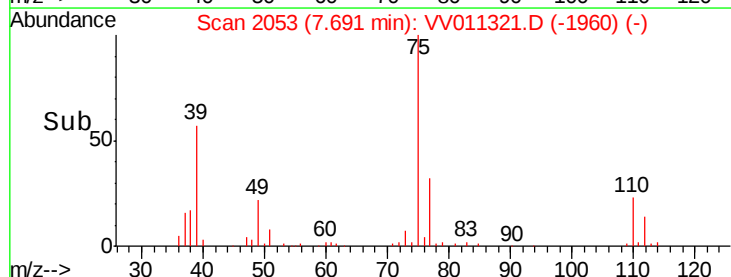
75 100

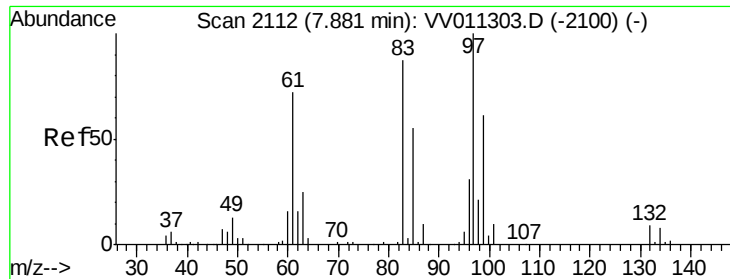
77 32.6 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV011303.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV011321.D (-1960) (-)

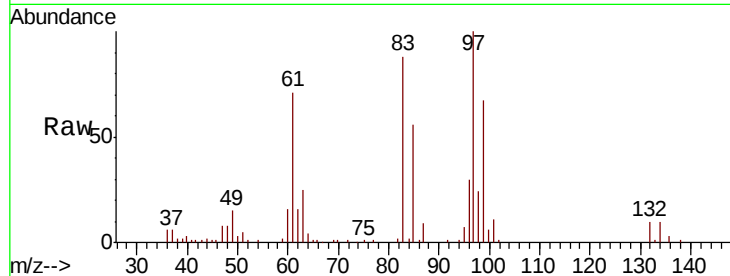




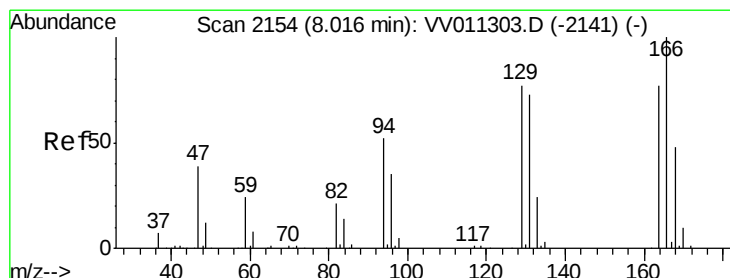
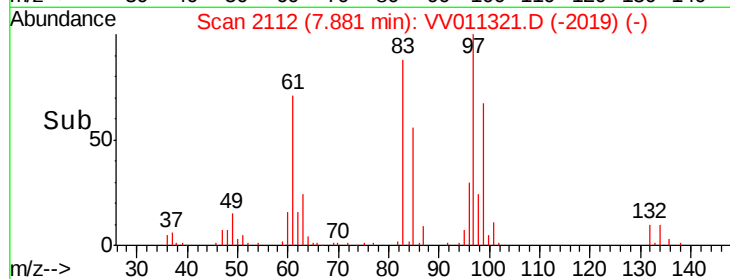
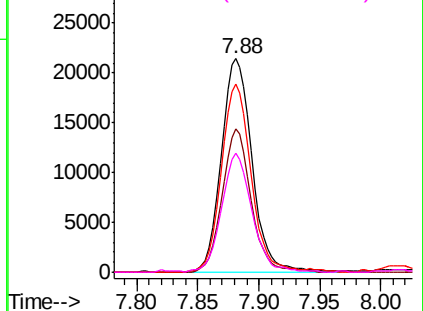
#45
 1,1,2-Trichloroethane
 Concen: 5.585 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion:	97	Resp:	38008
Ion	Ratio	Lower	Upper
97	100		
99	67.3	42.1	78.3
83	87.9	59.4	110.2
85	55.6	39.7	73.7

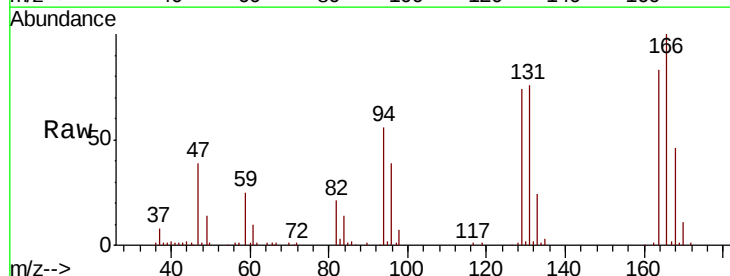


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

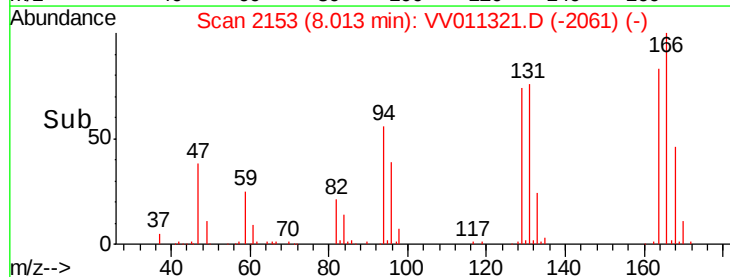
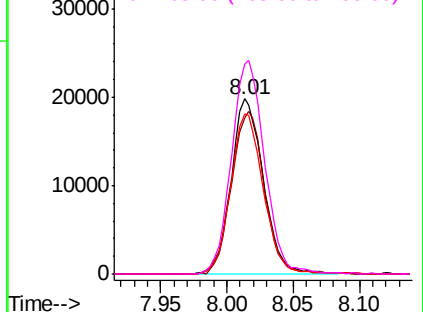


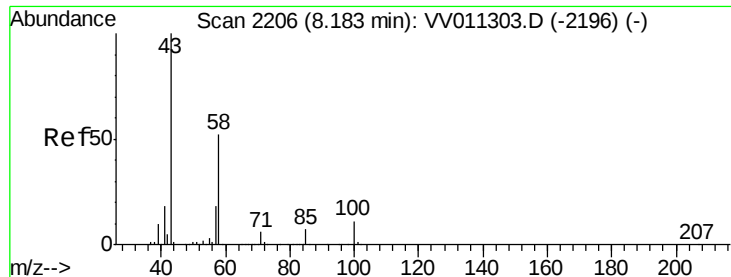
#47
 Tetrachloroethene
 Concen: 4.214 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Tgt Ion:	164	Resp:	33606
Ion	Ratio	Lower	Upper
164	100		
129	89.3	69.9	129.9
131	91.7	66.8	124.2
166	120.0	90.2	167.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

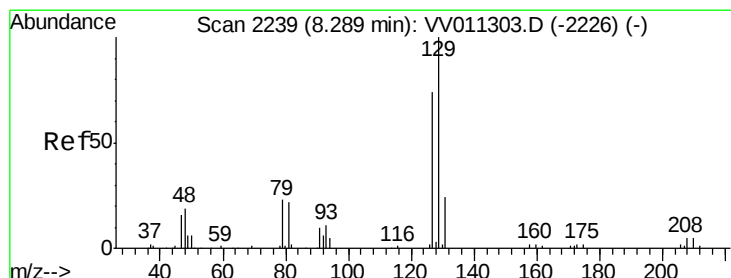
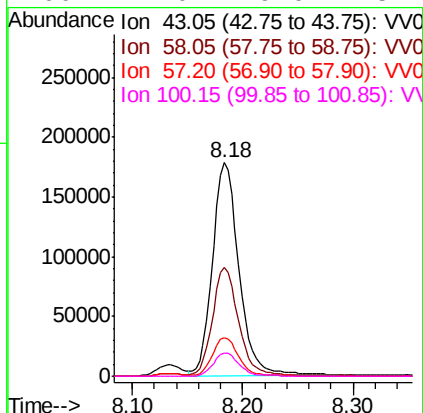
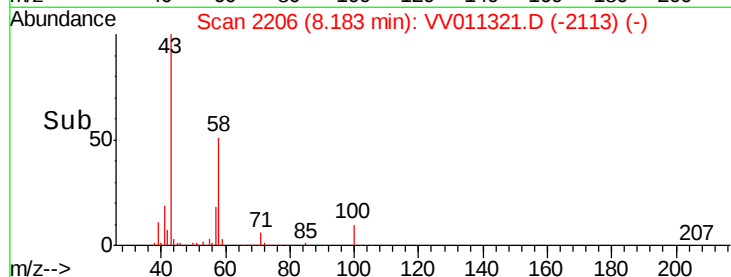
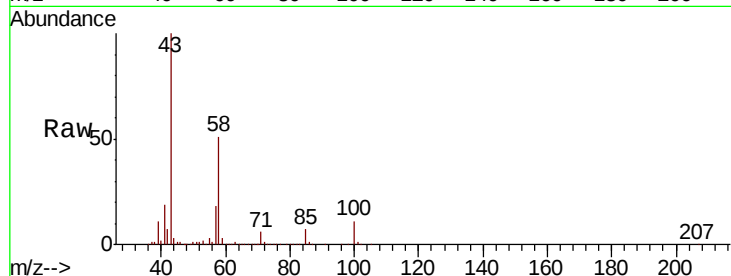




#48
2-Hexanone
Concen: 62.570 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

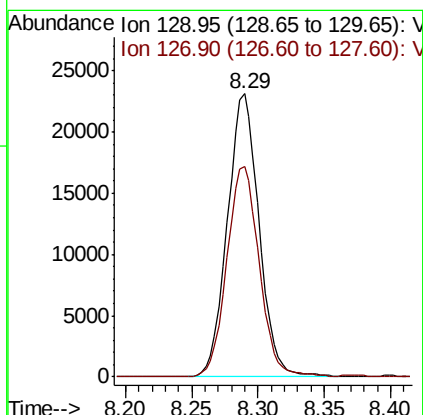
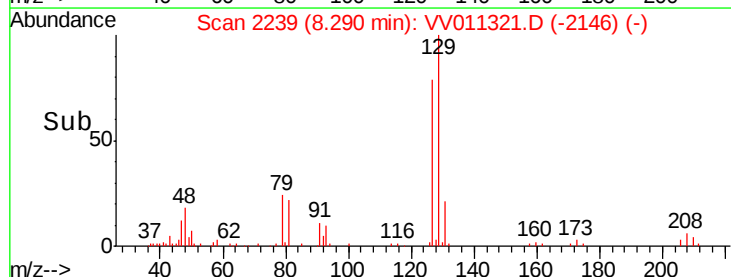
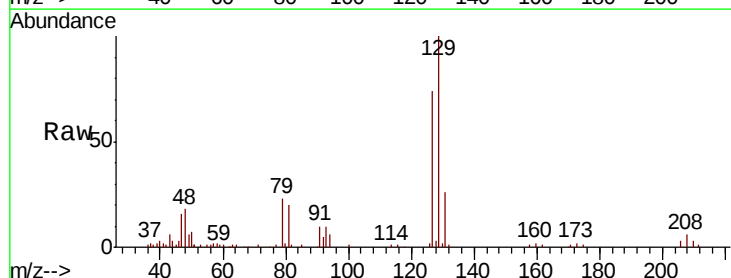
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

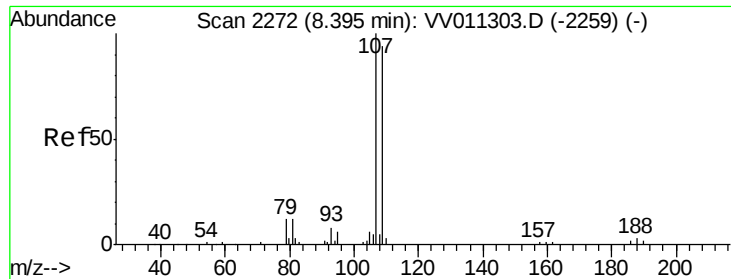
Tgt Ion: 43 Resp: 295414
Ion Ratio Lower Upper
43 100
58 50.8 41.4 62.0
57 17.7 15.0 22.4
100 11.0 9.0 13.4



#49
Dibromochloromethane
Concen: 4.972 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011321.D
Acq: 08 Jun 2019 09:04

Tgt Ion: 129 Resp: 38429
Ion Ratio Lower Upper
129 100
127 74.5 53.7 99.7

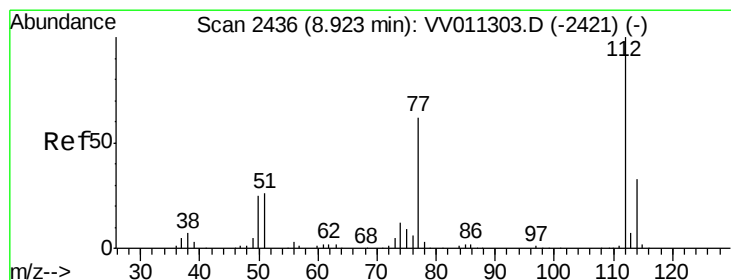
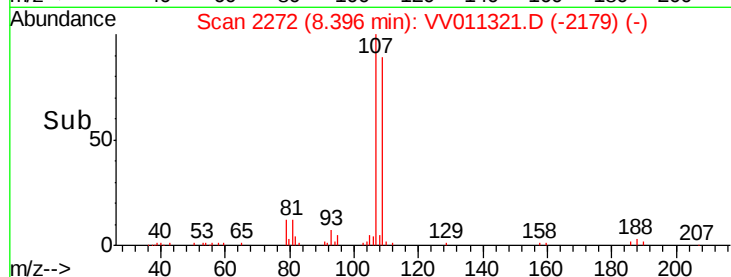
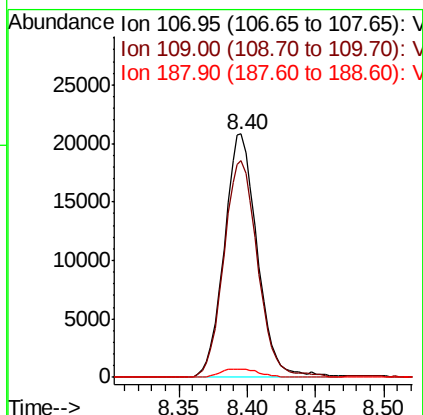
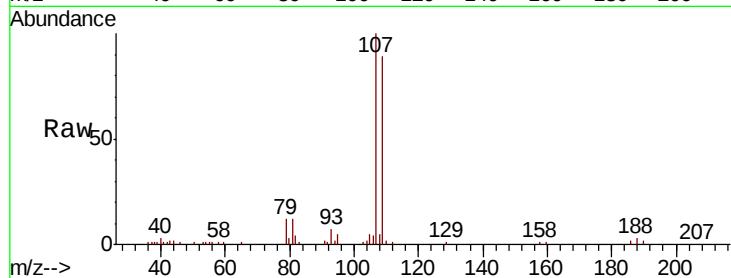




#50
 1,2-Dibromoethane
 Concen: 5.411 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

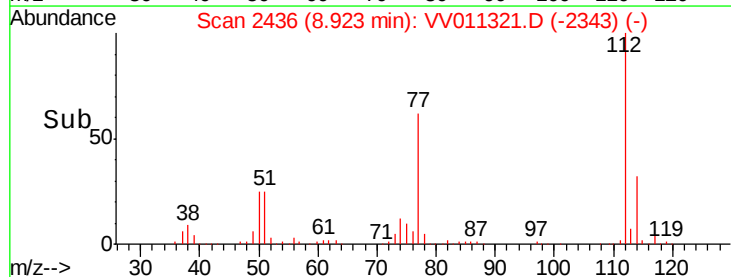
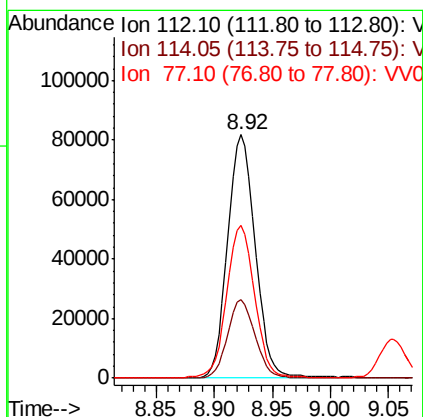
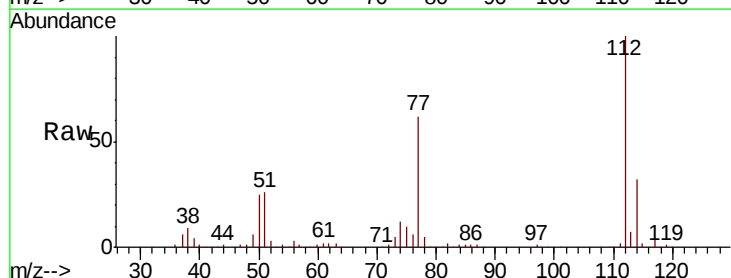
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

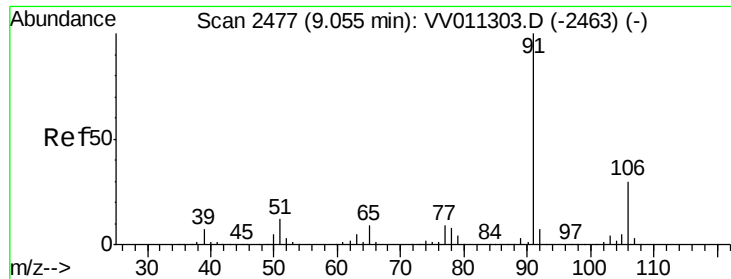
Tgt Ion:107 Resp: 35002
 Ion Ratio Lower Upper
 107 100
 109 88.8 64.5 119.9
 188 3.4 2.7 4.1



#51
 Chlorobenzene
 Concen: 4.861 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Tgt Ion:112 Resp: 134953
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.6 42.0
 77 62.5 50.1 75.1





#52

Ethylbenzene

Concen: 4.498 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

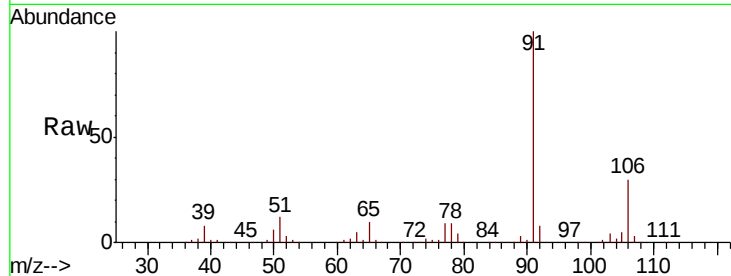
VSTD00535

Tgt Ion: 91 Resp: 227418

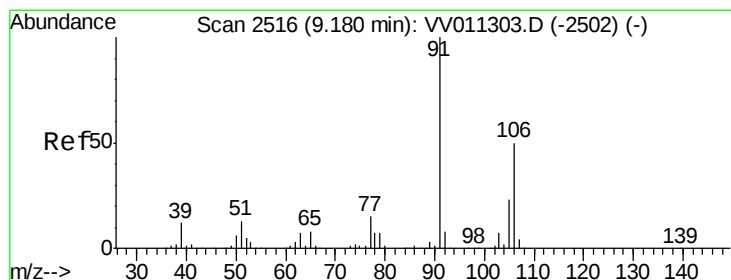
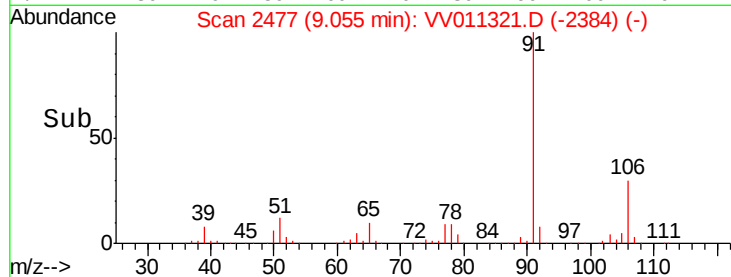
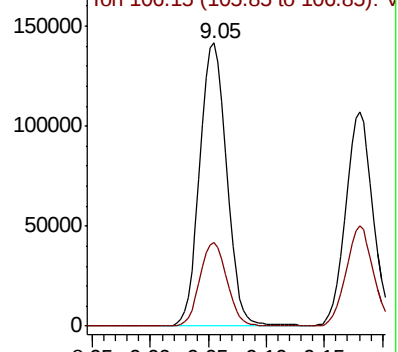
Ion Ratio Lower Upper

91 100

106 29.6 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011321.D (-2384) (-)



#53

m,p-xylene

Concen: 4.462 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011321.D

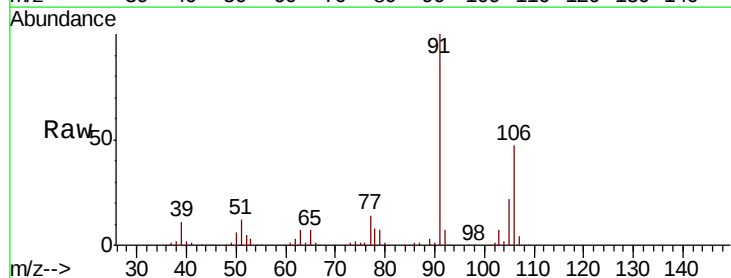
Acq: 08 Jun 2019 09:04

Tgt Ion: 106 Resp: 83425

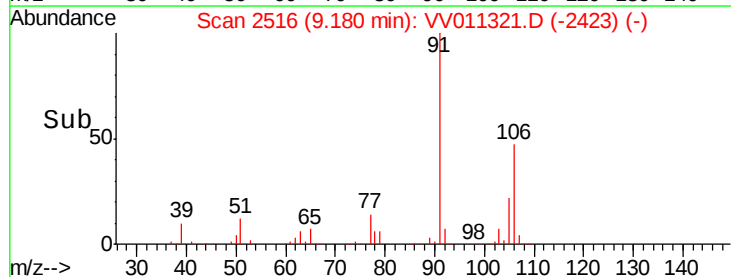
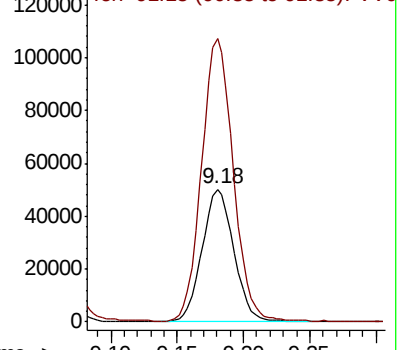
Ion Ratio Lower Upper

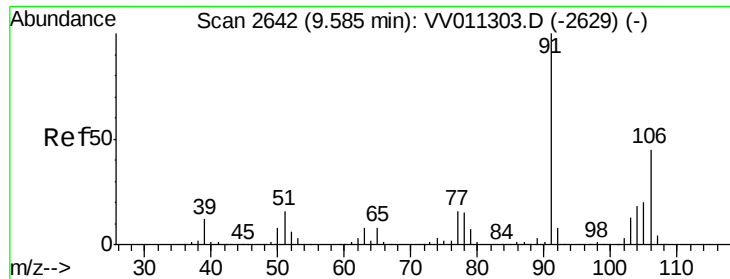
106 100

91 213.1 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011321.D (-2423) (-)





#54

o-xylene

Concen: 4.839 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

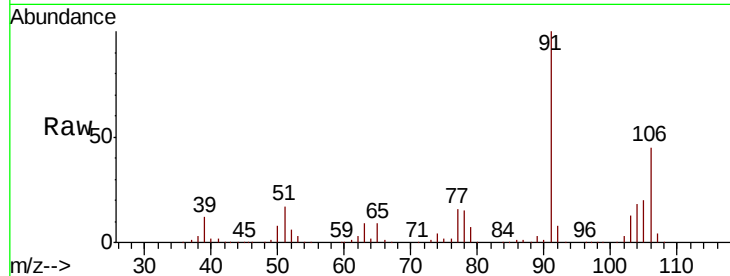
VSTD00535

Tgt Ion:106 Resp: 88777

Ion Ratio Lower Upper

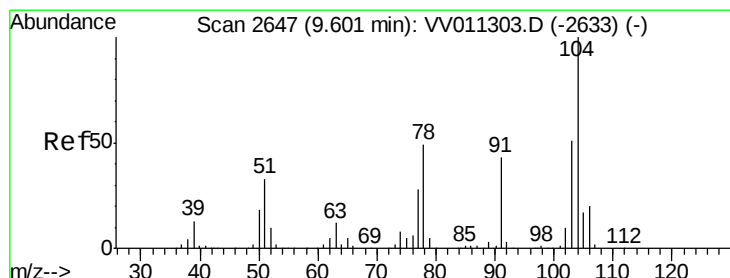
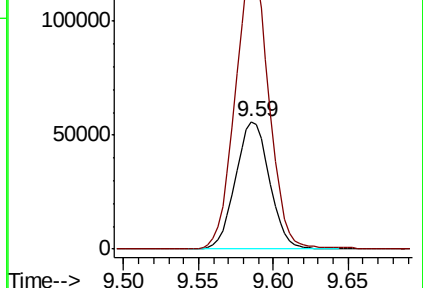
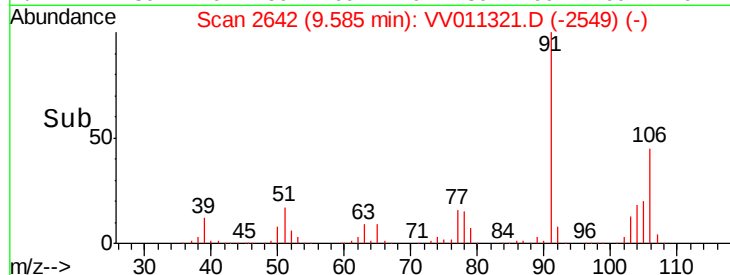
106 100

91 221.4 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.884 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV011321.D

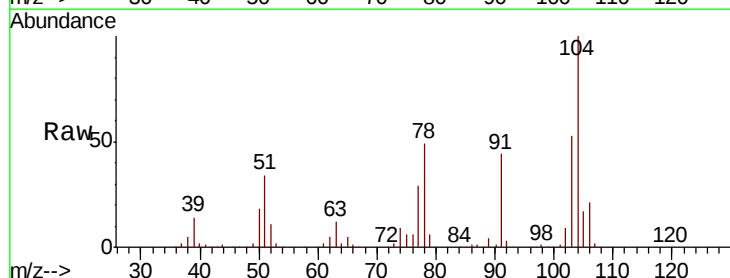
Acq: 08 Jun 2019 09:04

Tgt Ion:104 Resp: 145952

Ion Ratio Lower Upper

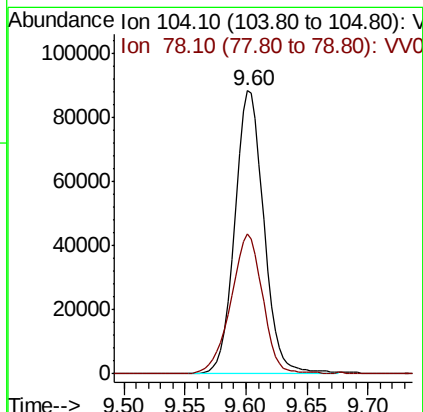
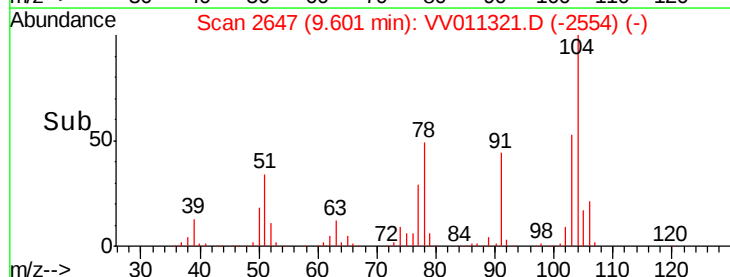
104 100

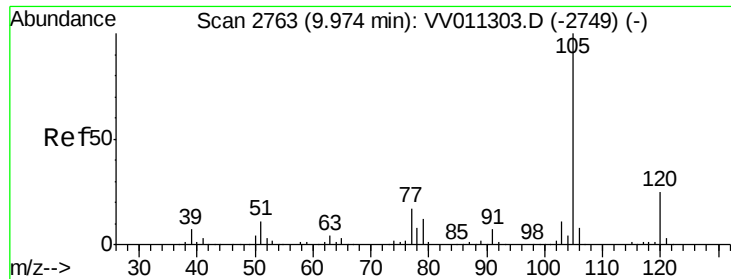
78 49.4 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.220 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

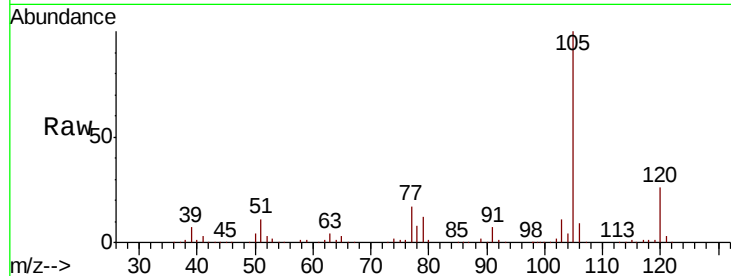
Tgt Ion: 105 Resp: 208371

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

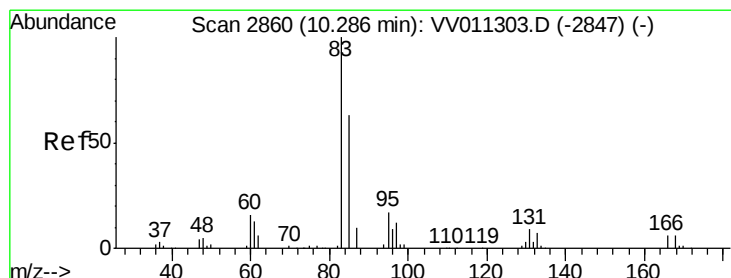
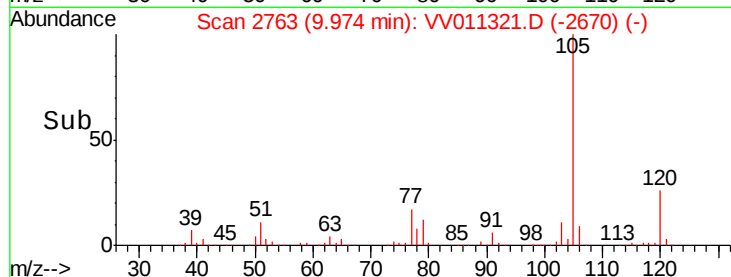
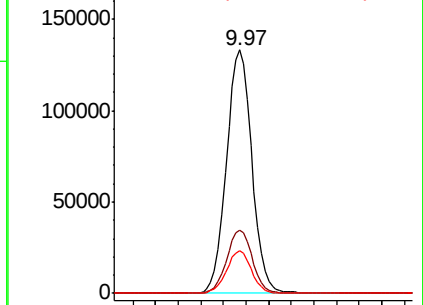
77 17.2 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.992 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

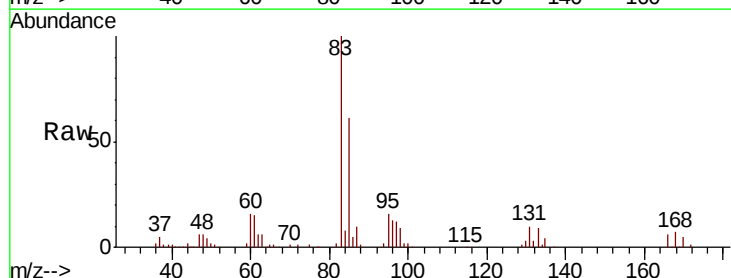
Tgt Ion: 83 Resp: 49431

Ion Ratio Lower Upper

83 100

85 60.7 43.5 80.9

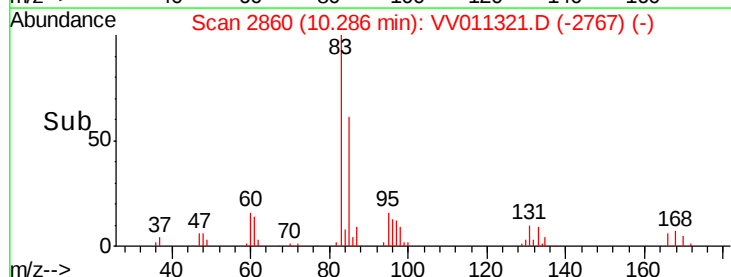
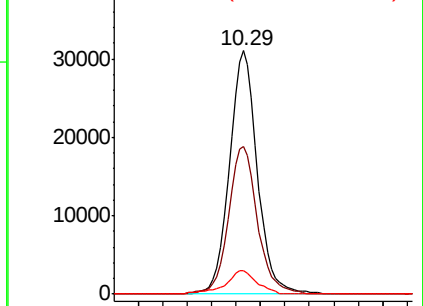
131 9.6 7.5 11.3

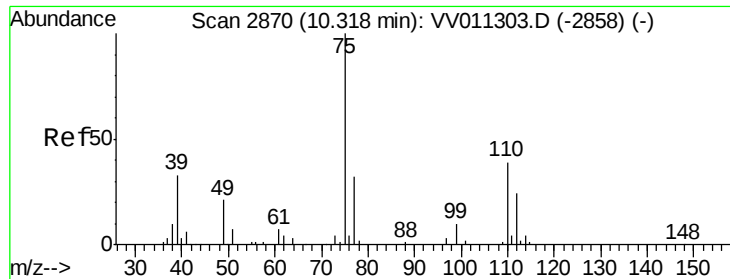


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.862 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

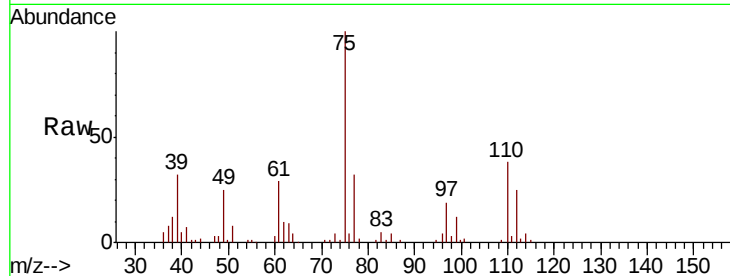
VSTD00535

Tgt Ion: 75 Resp: 36348

Ion Ratio Lower Upper

75 100

77 32.6 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VV011303.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV011303.D (-2858) (-)

10.32

25000

20000

15000

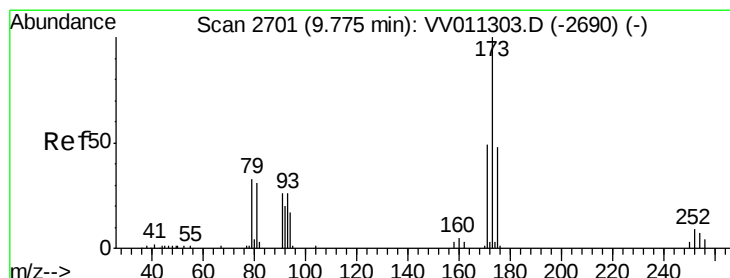
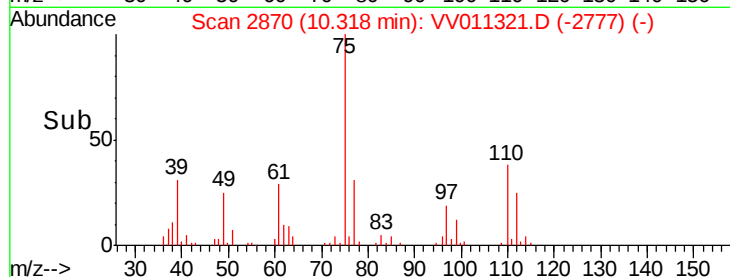
10000

5000

0

Time-->

10.30 10.40



#61

Bromoform

Concen: 4.954 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

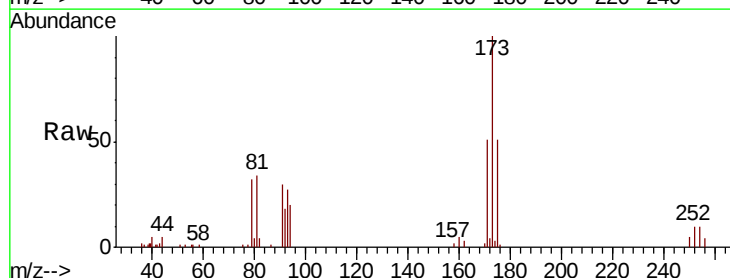
Tgt Ion: 173 Resp: 17244

Ion Ratio Lower Upper

173 100

175 53.4 37.0 55.4

254 9.9 6.9 10.3



Abundance Ion 172.90 (172.60 to 173.60): VV011303.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VV011303.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VV011303.D (-2690) (-)

9.77

15000

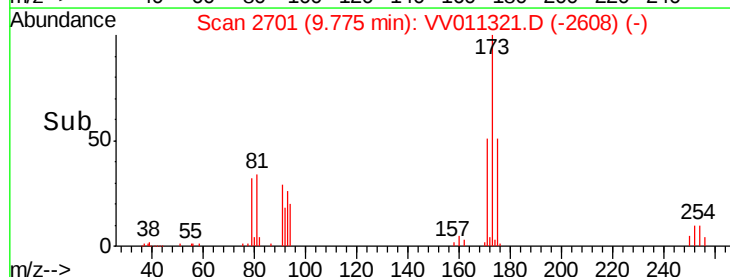
10000

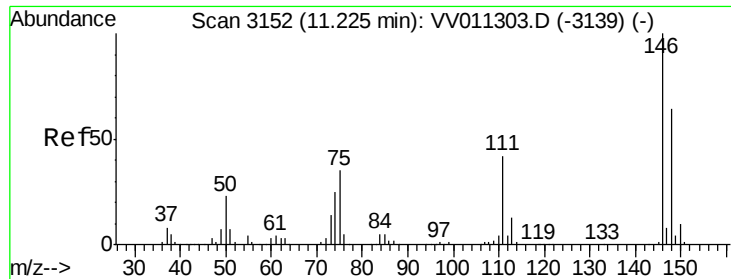
5000

0

Time-->

9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 4.887 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

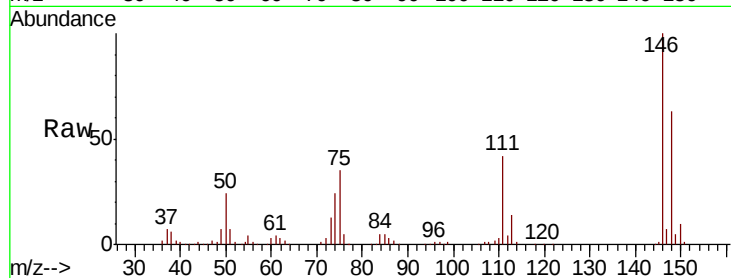
Tgt Ion:146 Resp: 93641

Ion Ratio Lower Upper

146 100

111 42.1 29.0 53.9

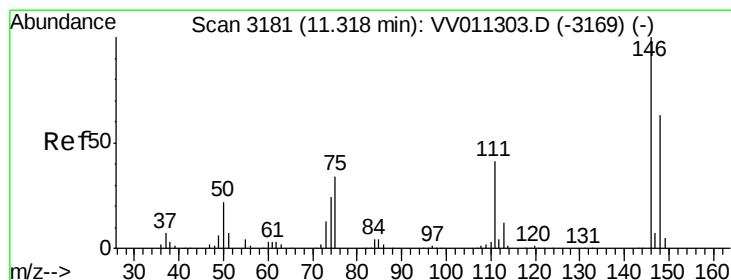
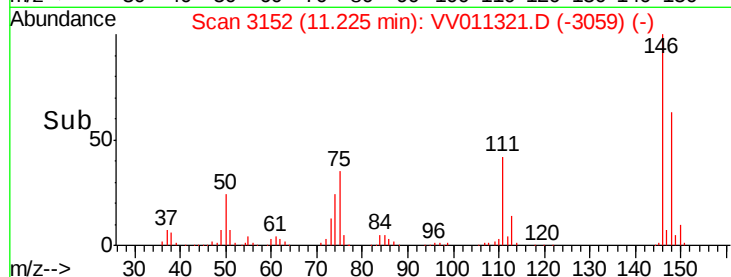
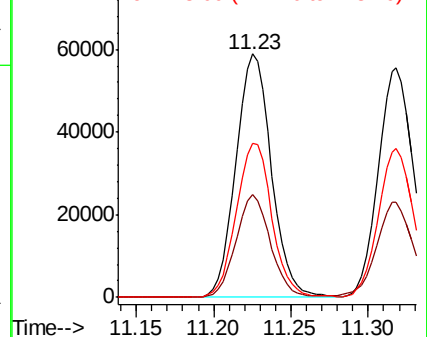
148 63.3 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.835 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

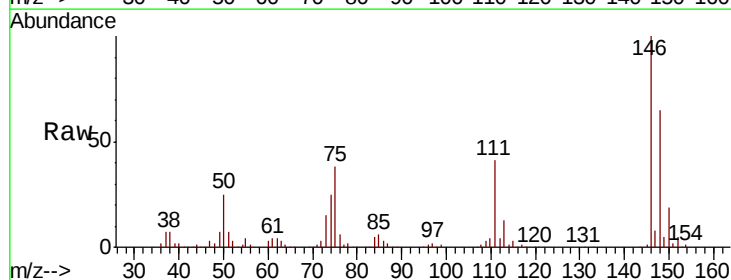
Tgt Ion:146 Resp: 89933

Ion Ratio Lower Upper

146 100

111 41.3 28.3 52.5

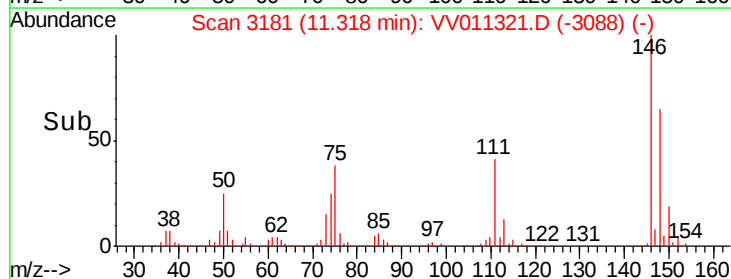
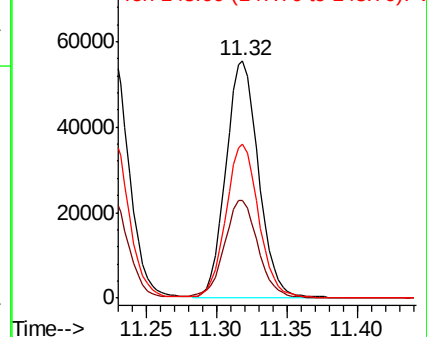
148 64.7 44.6 82.8

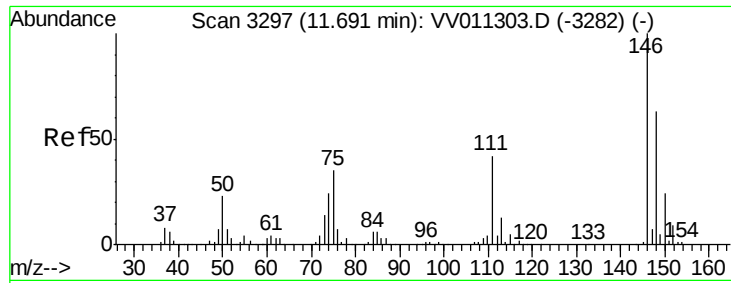


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

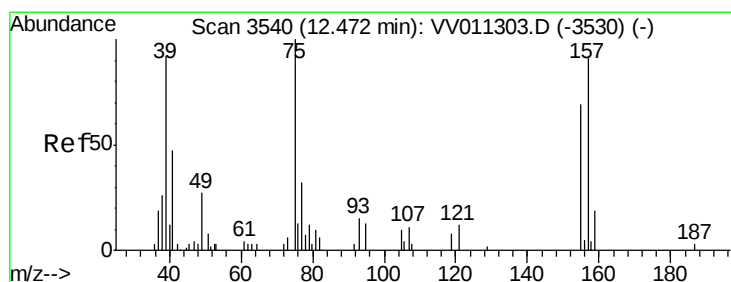
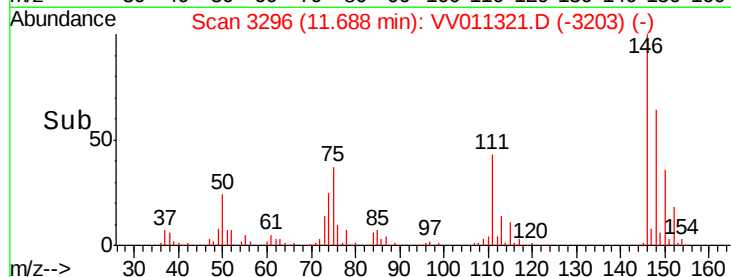
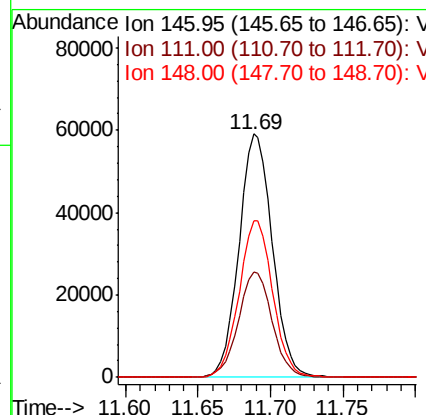
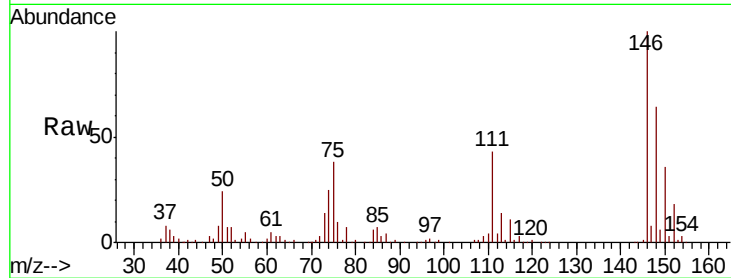




#65
 1,2-Dichlorobenzene
 Concen: 5.323 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

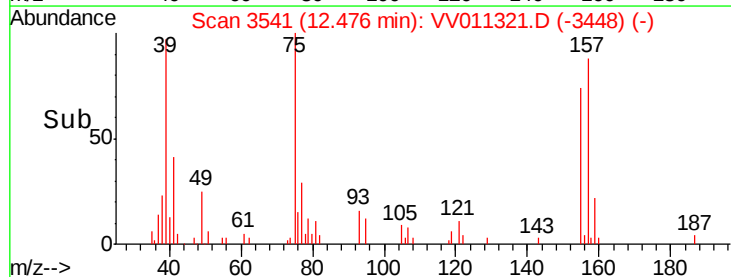
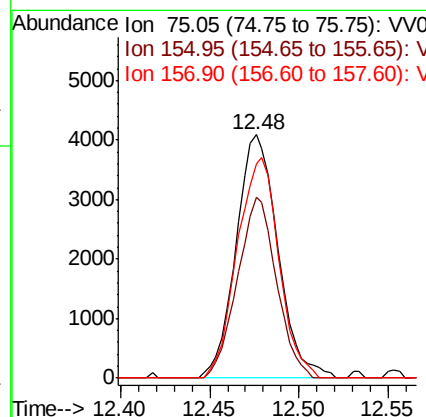
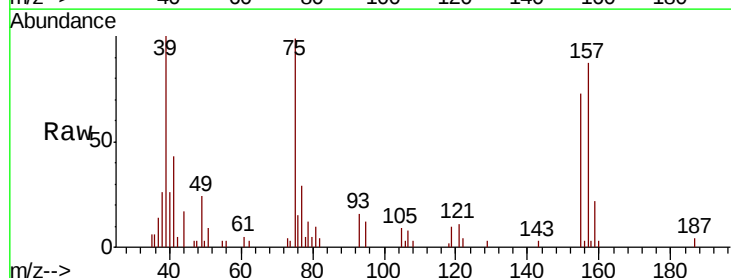
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

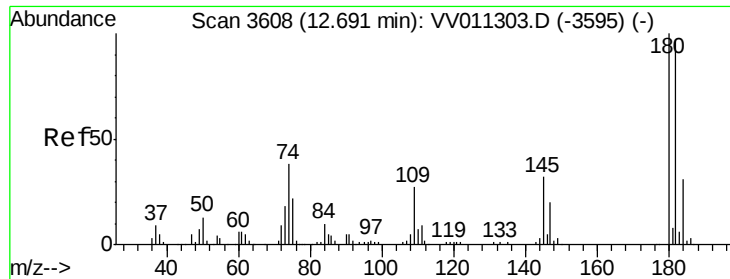
Tgt Ion: 146 Resp: 94273
 Ion Ratio Lower Upper
 146 100
 111 43.1 33.9 50.9
 148 64.1 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.280 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Tgt Ion: 75 Resp: 6701
 Ion Ratio Lower Upper
 75 100
 155 74.3 64.4 96.6
 157 87.9 66.7 100.1

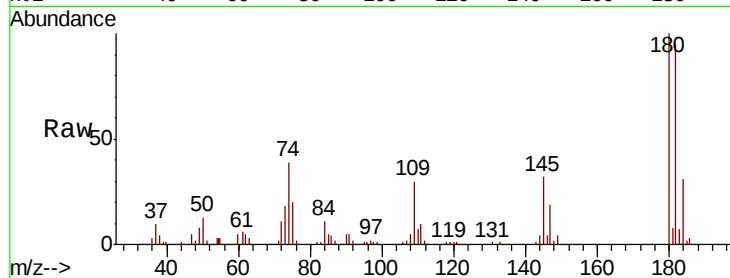




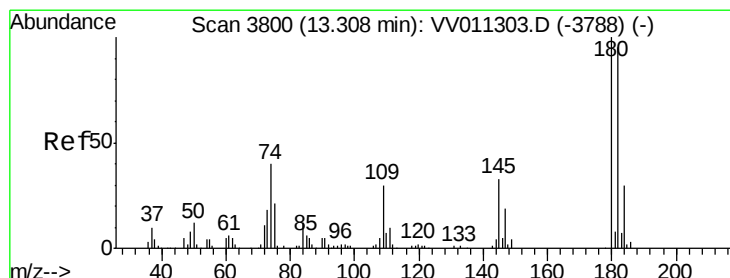
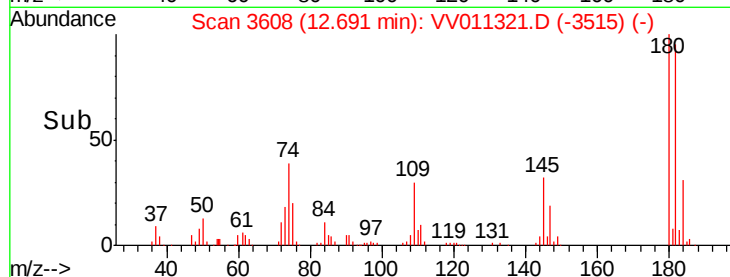
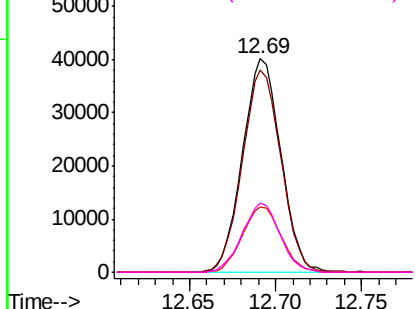
#67
 1,3,5-Trichlorobenzene
 Concen: 4.499 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion:180 Resp: 62011
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.7 115.1
 184 31.0 23.8 35.8
 145 31.9 24.2 36.2

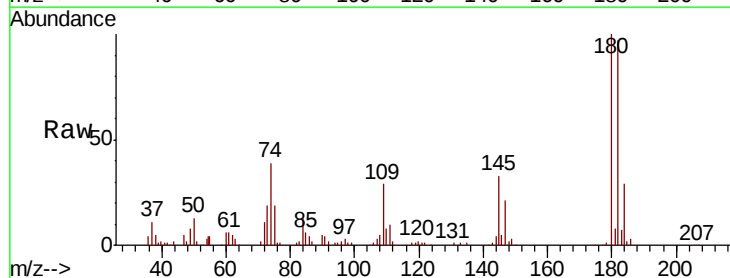


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

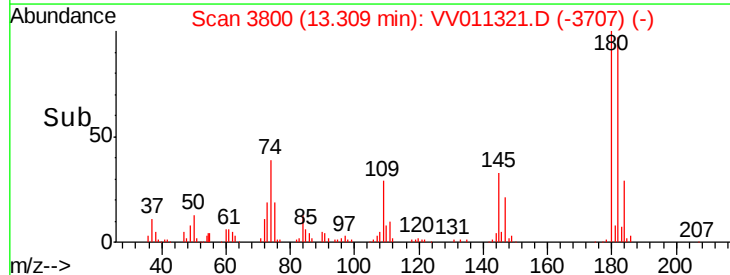
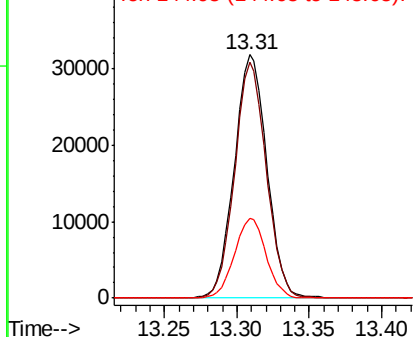


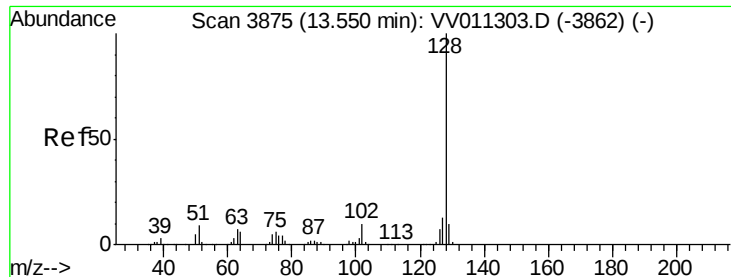
#68
 1,2,4-trichlorobenzene
 Concen: 4.743 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011321.D
 Acq: 08 Jun 2019 09:04

Tgt Ion:180 Resp: 49635
 Ion Ratio Lower Upper
 180 100
 182 94.1 78.8 118.2
 145 31.7 26.3 39.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.744 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

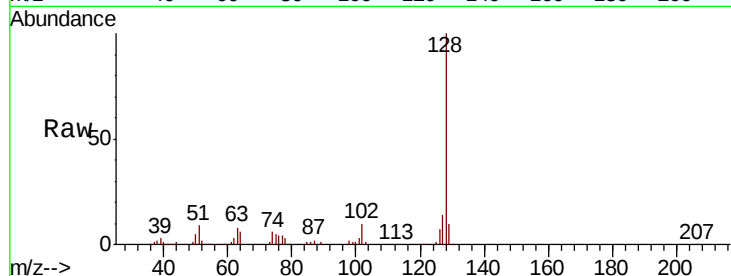
Tgt Ion:128 Resp: 98396

Ion Ratio Lower Upper

128 100

129 10.5 8.9 13.3

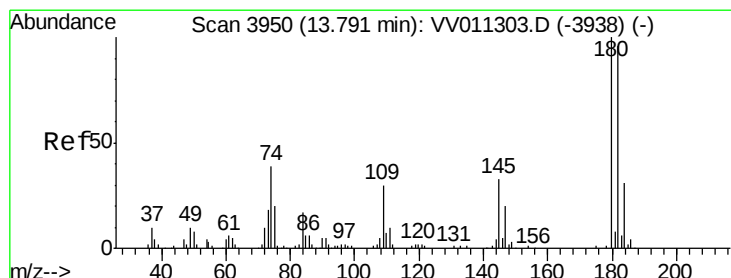
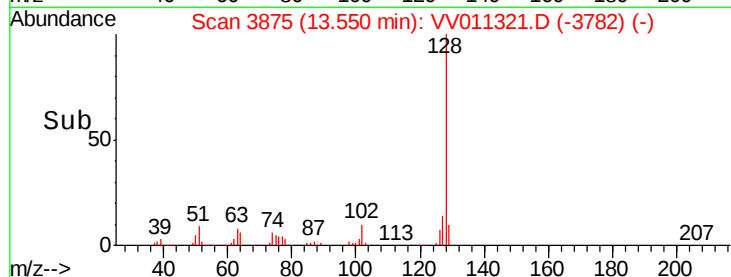
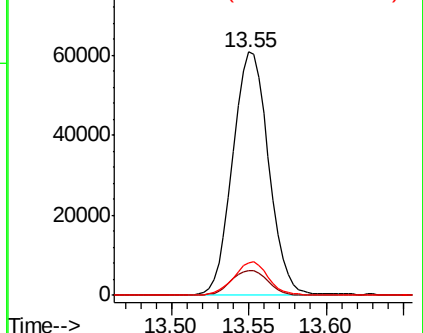
127 13.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.394 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011321.D

Acq: 08 Jun 2019 09:04

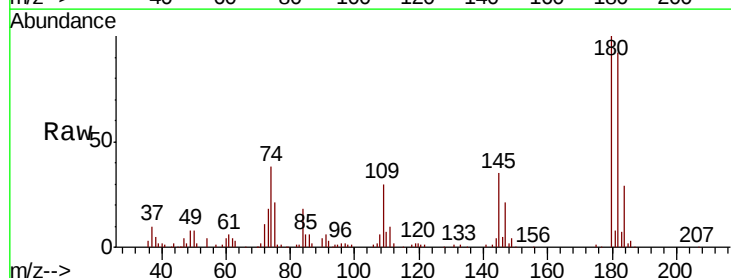
Tgt Ion:180 Resp: 50619

Ion Ratio Lower Upper

180 100

182 92.1 78.6 117.8

145 33.9 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

