

Data File : VV014565.D
Acq On : 12 Feb 2020 11:07
Operator : SY/MD
Sample : VSTD01061
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

Quant Time: Feb 13 04:52:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 13 04:49:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	311264	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	290551	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	147088	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10791	6.67	ug/L	0.00
7) Chloroethane-d5	1.59	69	8050	7.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	19915	8.95	ug/L	0.00
21) 2-Butanone-d5	3.94	46	17200	15.29	ug/L	0.02
24) Chloroform-d	4.40	84	33139	9.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	21138	9.67	ug/L	0.00
32) Benzene-d6	5.10	84	67078	9.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	20379	8.72	ug/L	0.00
41) Toluene-d8	7.36	98	64406	9.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	11129	9.21	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	15824	17.36	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	28484	9.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	25374	9.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	22851	9.129 ug/L	99
3) Chloromethane	1.26	50	21914	8.699 ug/L	94
5) Vinyl chloride	1.33	62	14661	7.281 ug/L	100
6) Bromomethane	1.54	94	7186	10.023 ug/L	99
8) Chloroethane	1.60	64	7479	8.339 ug/L	99
9) Trichlorofluoromethane	1.77	101	25495	10.352 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	10856	9.574 ug/L	98
12) 1,1-Dichloroethene	2.15	96	10212	9.032 ug/L	93
13) Acetone	2.19	43	17871	18.276 ug/L	96
14) Carbon disulfide	2.32	76	48746	8.810 ug/L	98
15) Methyl Acetate	2.46	43	16341	8.862 ug/L	98
16) Methylene chloride	2.54	84	21362	9.688 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	19720	9.860 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	63292	10.228 ug/L	98
19) 1,1-Dichloroethane	3.23	63	34386	9.514 ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	22650	10.078 ug/L	98
22) 2-Butanone	4.02	43	25481	18.383 ug/L	100
23) Bromochloromethane	4.30	128	10919	10.331 ug/L	94
25) Chloroform	4.42	83	38852	10.432 ug/L	100
27) 1,2-Dichloroethane	5.18	62	26401	9.947 ug/L	97
29) Cyclohexane	4.73	56	30541	9.042 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	32894	10.664 ug/L	98
31) Carbon tetrachloride	4.87	117	30115	11.111 ug/L	97
33) Benzene	5.15	78	80923	9.746 ug/L	100
34) Trichloroethene	5.96	95	21792	10.273 ug/L	96
35) Methylcyclohexane	6.17	83	33530	9.641 ug/L	98
37) 1,2-Dichloropropane	6.22	63	19012	9.177 ug/L	98
38) Bromodichloromethane	6.55	83	28896	10.302 ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	33936	9.889 ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	48987	19.603 ug/L	98

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Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

Quant Time: Feb 13 04:52:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 13 04:49:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	88688	10.145	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	31559	10.274	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	20887	10.544	ug/L	97
46) Tetrachloroethene	8.02	164	17552	11.122	ug/L	96
48) 2-Hexanone	8.18	43	37797	19.562	ug/L	96
49) Dibromochloromethane	8.29	129	24022	10.843	ug/L	95
50) 1,2-Dibromoethane	8.39	107	22252	10.467	ug/L	99
51) Chlorobenzene	8.92	112	60142	10.648	ug/L	97
52) Ethylbenzene	9.05	91	101154	10.276	ug/L	100
53) m,p-Xylene	9.18	106	39362	10.689	ug/L	93
54) o-xylene	9.58	106	38500	10.575	ug/L	95
55) Styrene	9.60	104	65758	10.729	ug/L	95
56) Isopropylbenzene	9.97	105	100357	10.704	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	32854	10.341	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	25785	10.372	ug/L	97
61) Bromoform	9.77	173	16189	10.601	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	47204	10.580	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	48340	10.507	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	47461	10.803	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	7555	10.744	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	34012	11.222	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	29918	10.806	ug/L	99
69) Naphthalene	13.55	128	95289	10.878	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	28988	10.855	ug/L	99

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

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Sample : VSTD01061

Misc : 5.0mL/MSVOA V/WATER

```
ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

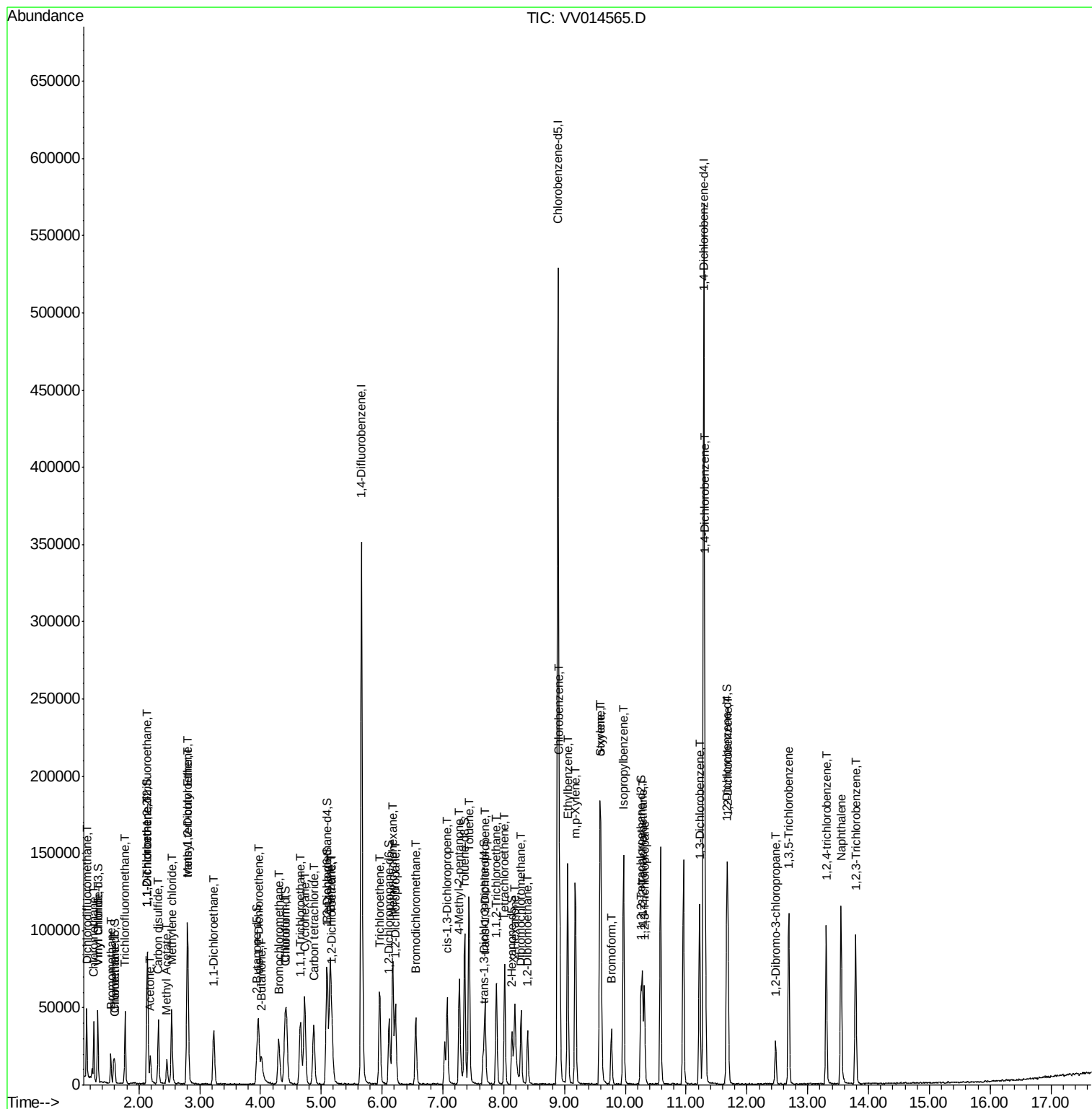
Quant Time: Feb 13 04:52:03 2020

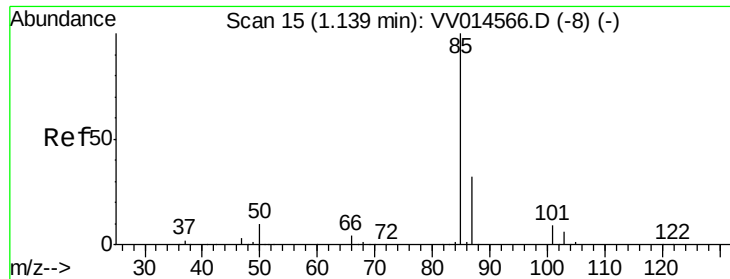
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM021220WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Feb 13 04:49:41 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.129 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

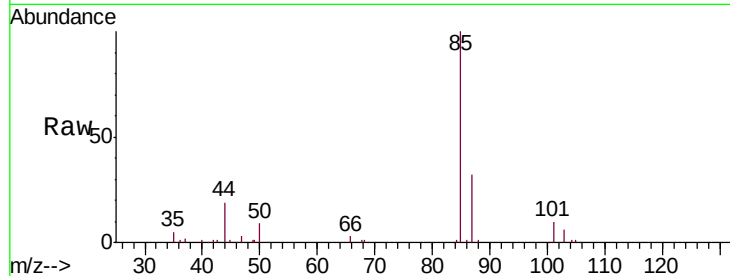
VSTD01061

Tgt Ion: 85 Resp: 22851

Ion Ratio Lower Upper

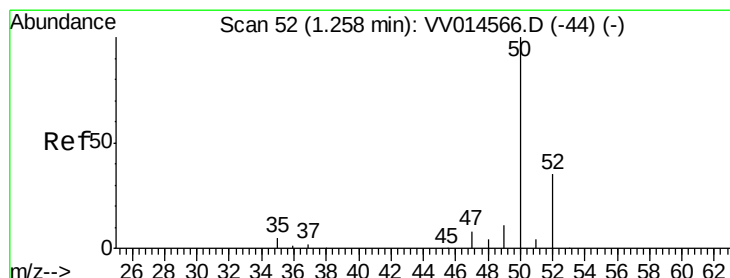
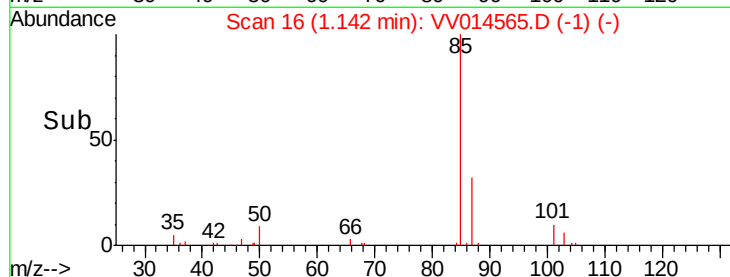
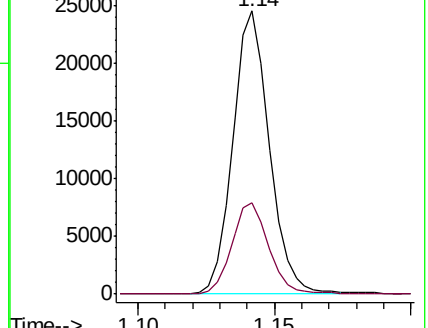
85 100

87 32.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV014566.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014566.D (-8) (-)



#3

Chloromethane

Concen: 8.699 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014565.D

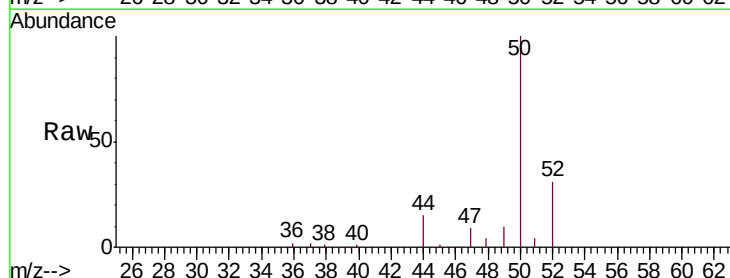
Acq: 12 Feb 2020 11:07

Tgt Ion: 50 Resp: 21914

Ion Ratio Lower Upper

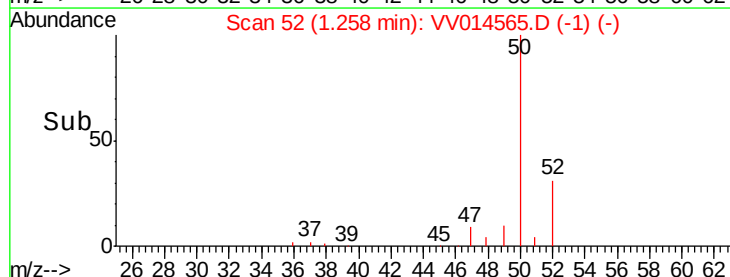
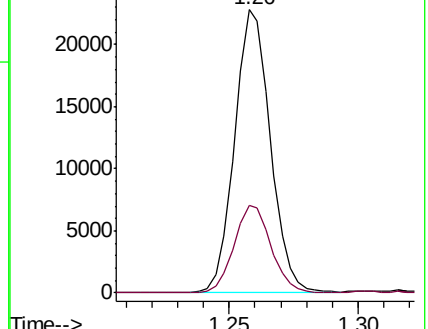
50 100

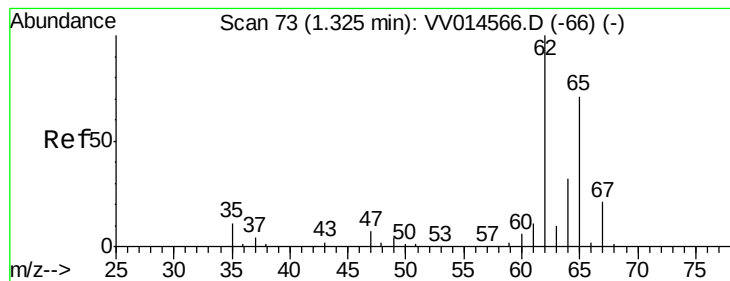
52 31.1 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV014566.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014566.D (-44) (-)





#5

Vinyl chloride

Concen: 7.281 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

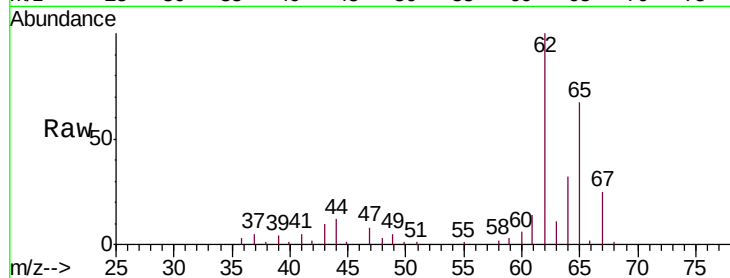
VSTD01061

Tgt Ion: 62 Resp: 14661

Ion Ratio Lower Upper

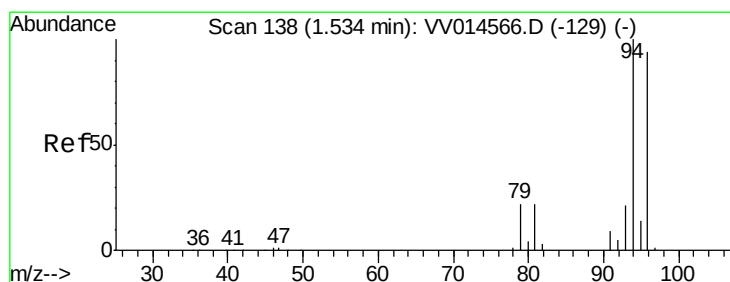
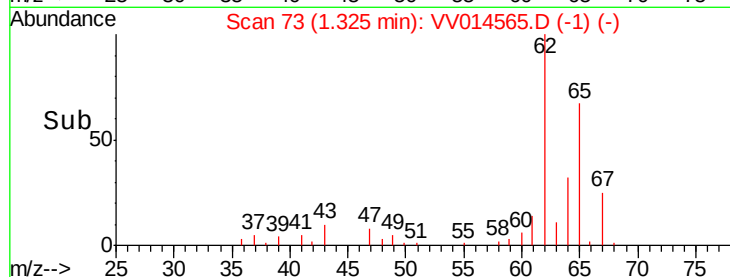
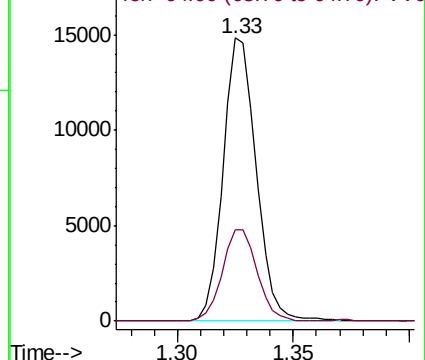
62 100

64 32.2 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 10.023 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014565.D

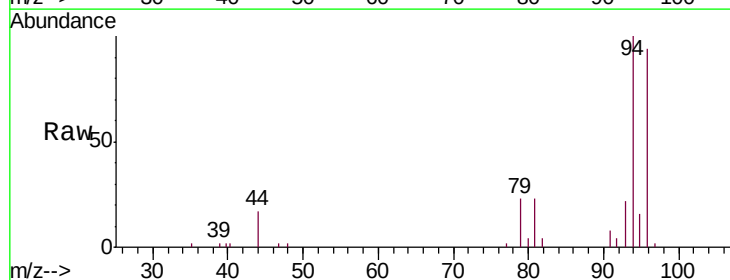
Acq: 12 Feb 2020 11:07

Tgt Ion: 94 Resp: 7186

Ion Ratio Lower Upper

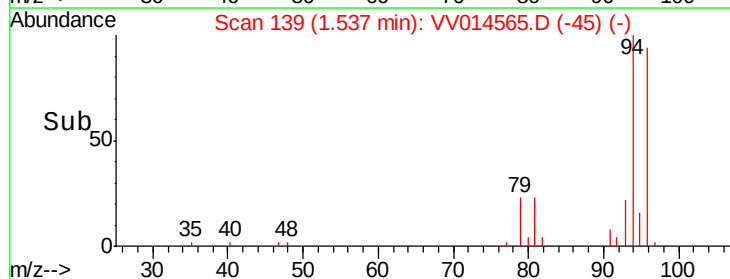
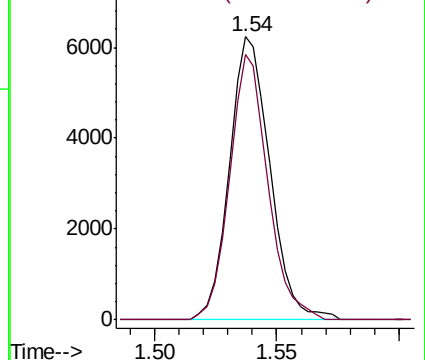
94 100

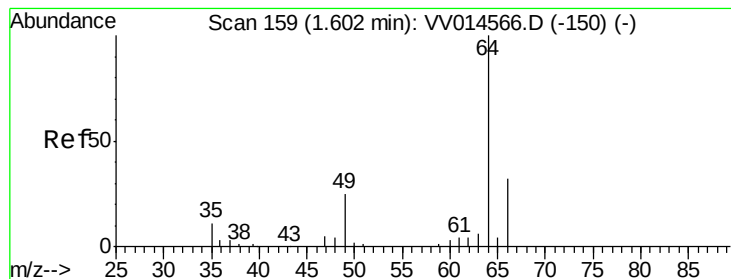
96 93.9 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 8.339 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

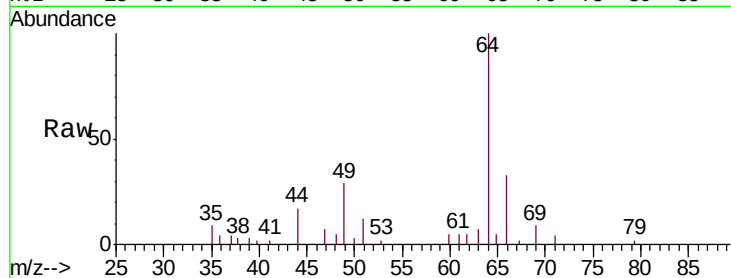
VSTD01061

Tgt Ion: 64 Resp: 7479

Ion Ratio Lower Upper

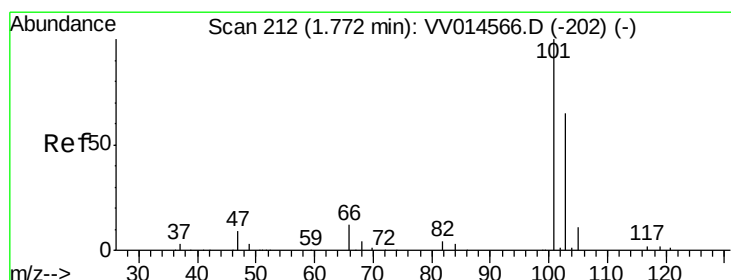
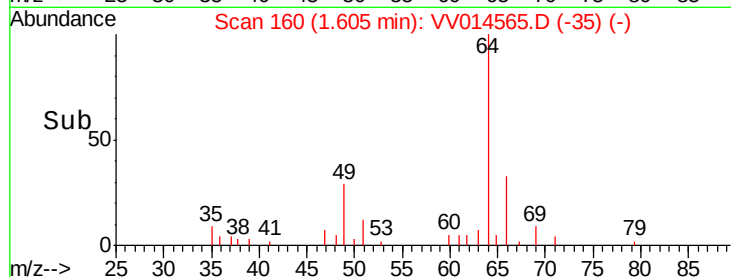
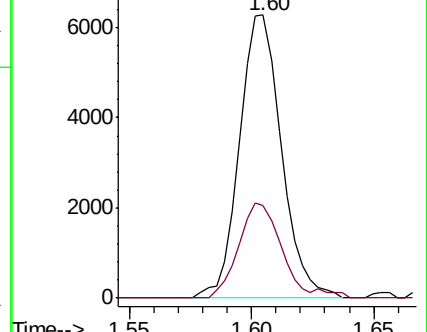
64 100

66 32.6 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV014566.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014566.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 10.352 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV014565.D

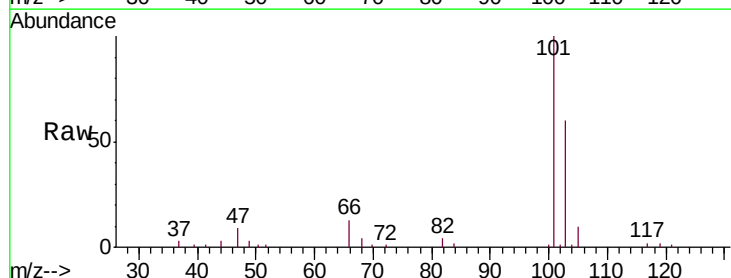
Acq: 12 Feb 2020 11:07

Tgt Ion: 101 Resp: 25495

Ion Ratio Lower Upper

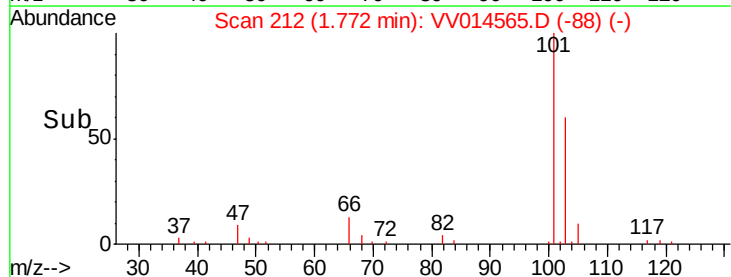
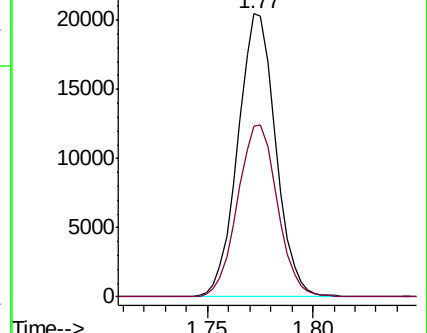
101 100

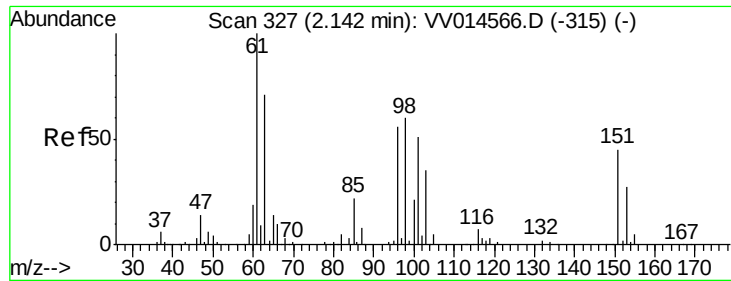
103 63.9 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV014566.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV014566.D (-202) (-)





#10

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

Concen: 9.574 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

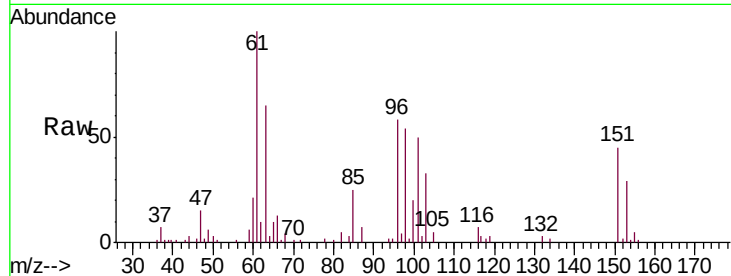
Tgt Ion:101 Resp: 10856

Ion Ratio Lower Upper

101 100

85 45.7 35.4 53.0

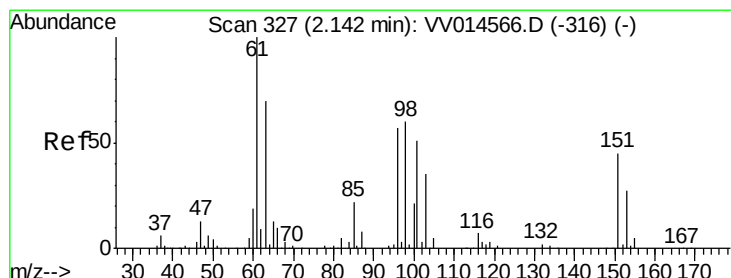
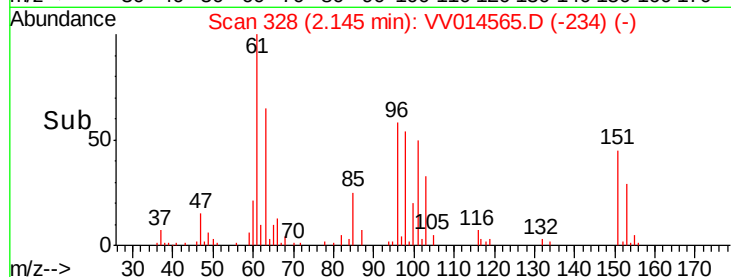
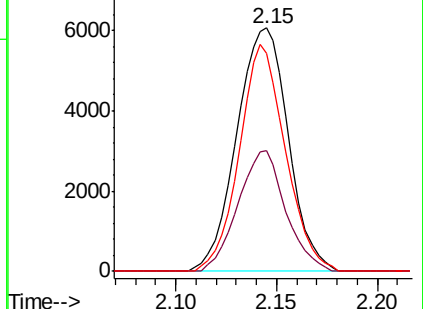
151 83.3 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.032 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

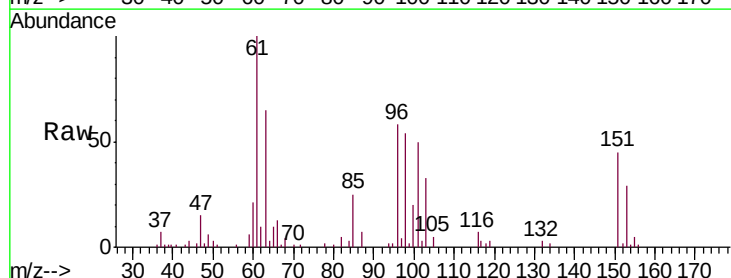
Tgt Ion: 96 Resp: 10212

Ion Ratio Lower Upper

96 100

61 172.9 124.2 230.6

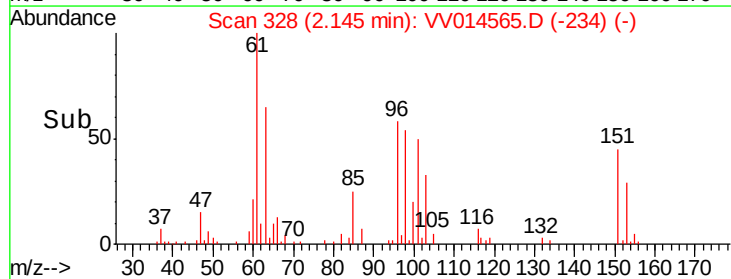
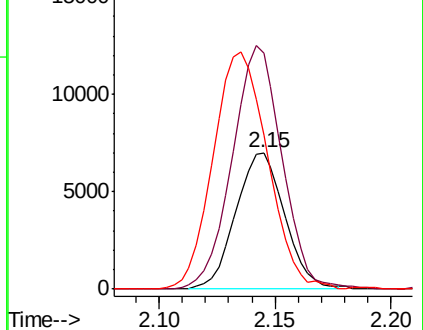
63 112.8 89.2 165.8

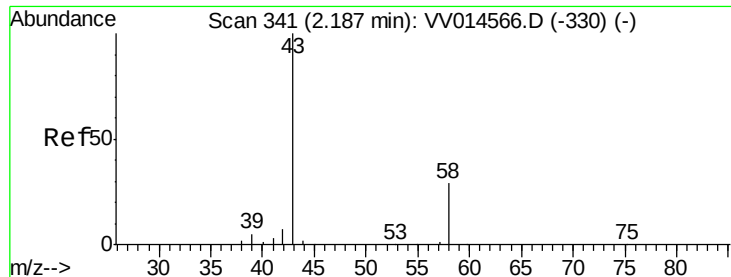


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 18.276 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

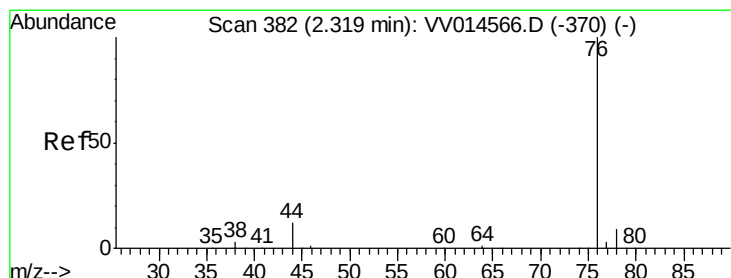
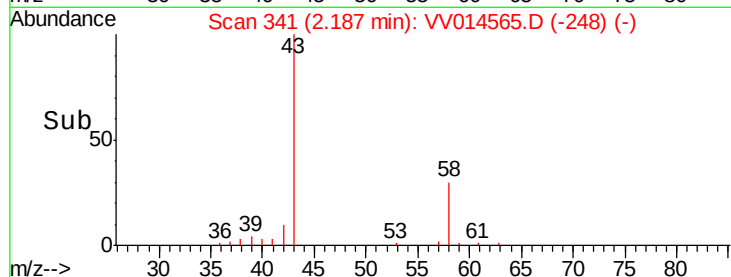
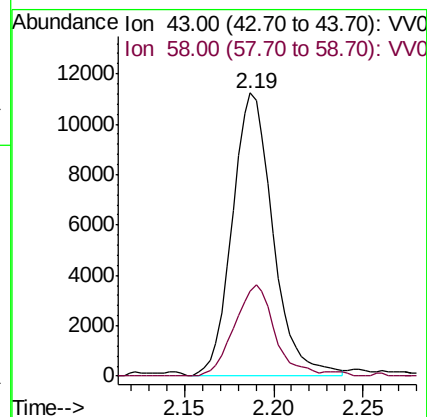
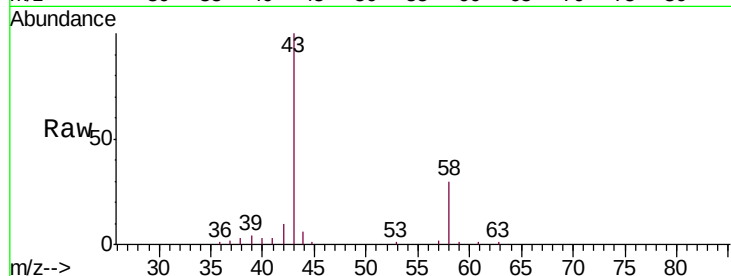
VSTD01061

Tgt Ion: 43 Resp: 17871

Ion Ratio Lower Upper

43 100

58 31.7 0.0 58.8



#14

Carbon disulfide

Concen: 8.810 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014565.D

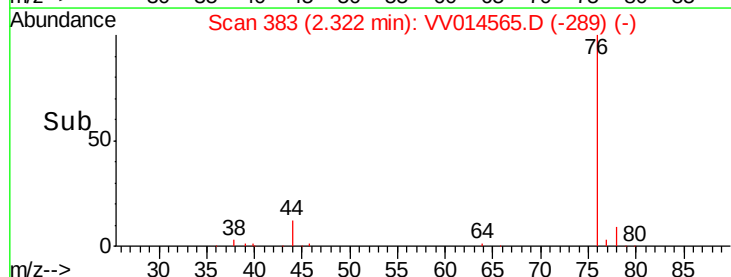
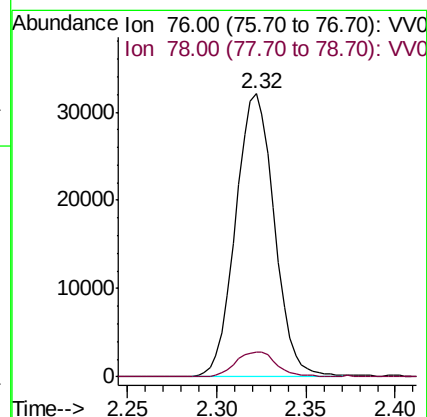
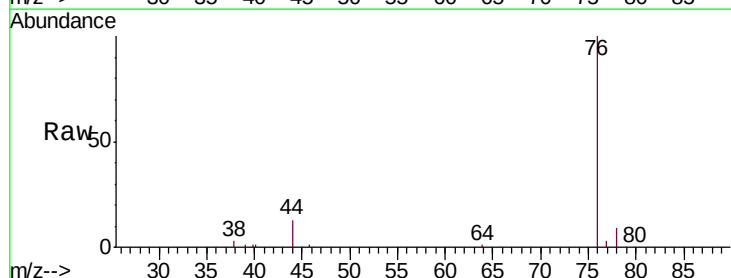
Acq: 12 Feb 2020 11:07

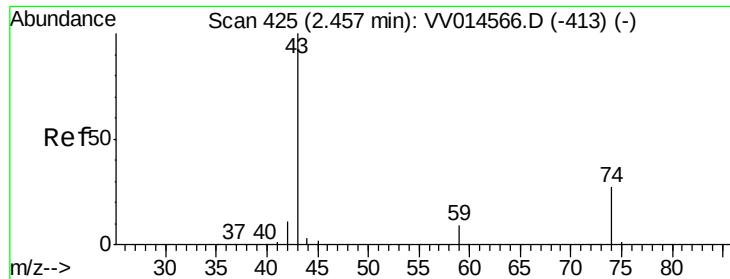
Tgt Ion: 76 Resp: 48746

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

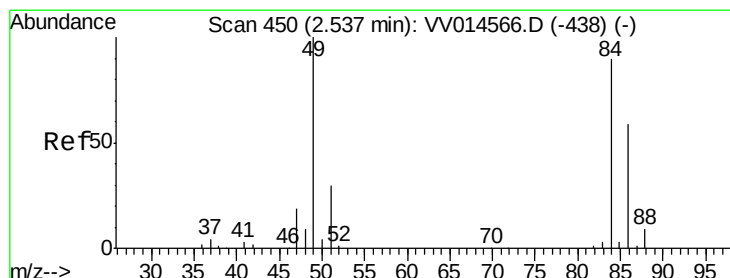
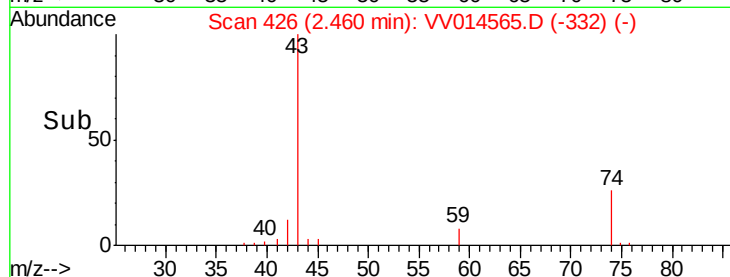
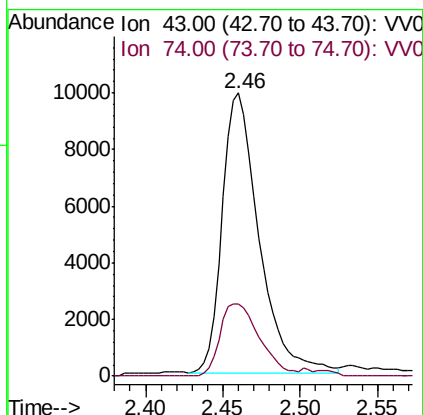
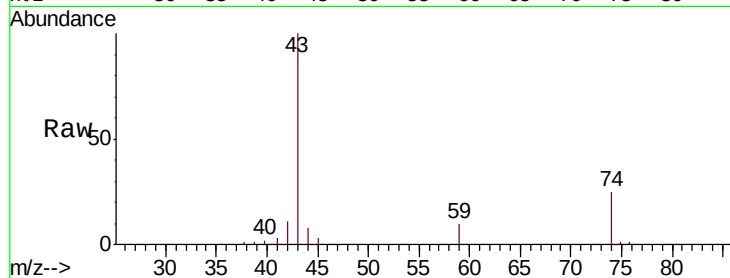




#15
Methyl Acetate
Concen: 8.862 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

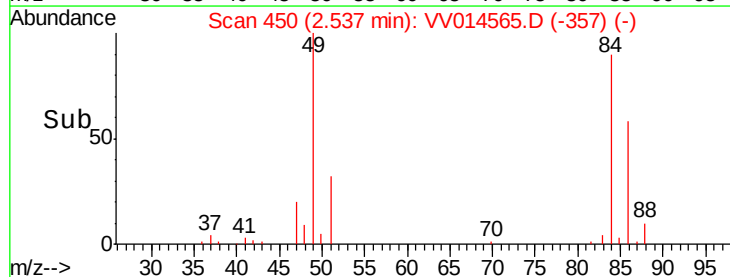
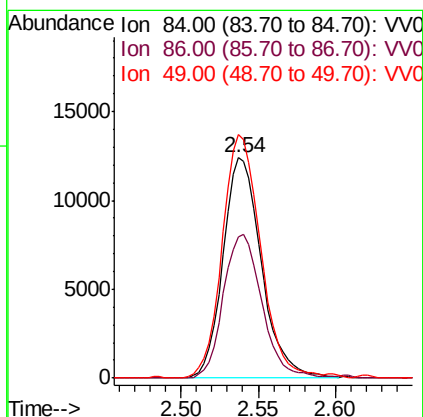
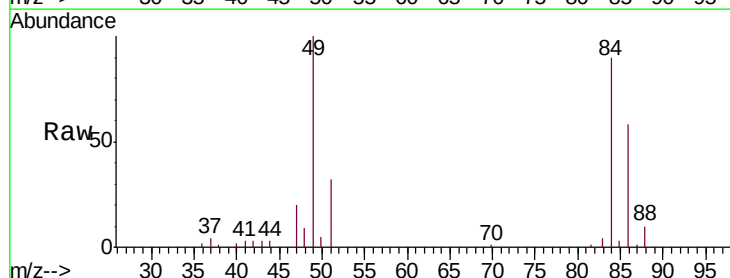
Instrument :
MSVOA_V
ClientSampled :
VSTD01061

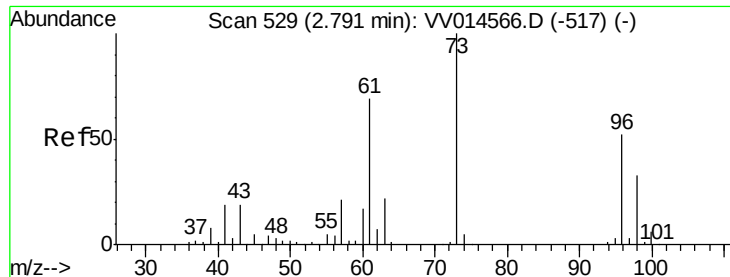
Tgt Ion: 43 Resp: 16341
Ion Ratio Lower Upper
43 100
74 27.9 21.4 32.2



#16
Methylene chloride
Concen: 9.688 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

Tgt Ion: 84 Resp: 21362
Ion Ratio Lower Upper
84 100
86 64.1 46.3 86.1
49 110.7 78.1 145.1

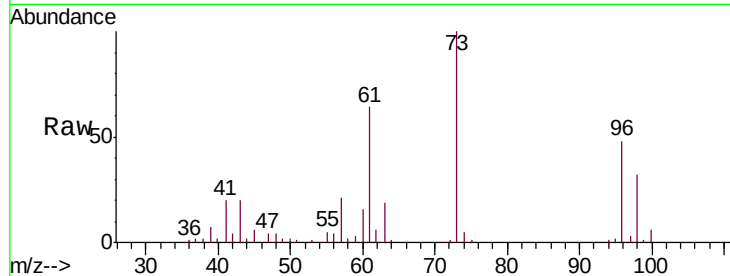




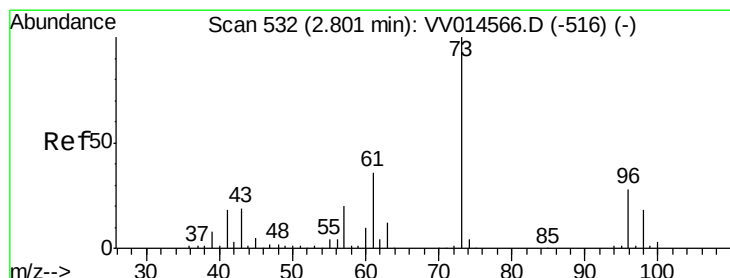
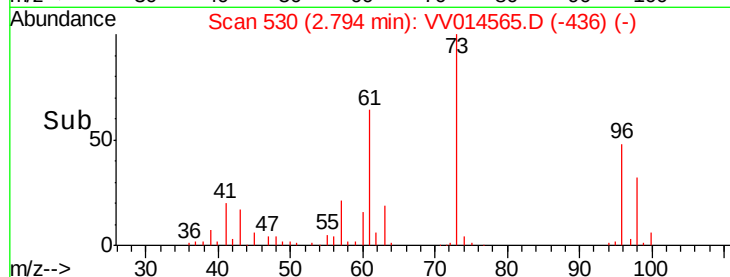
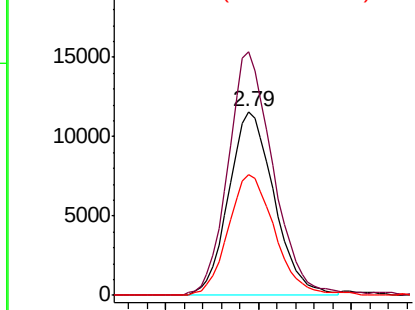
#17
trans-1,2-Dichloroethene
Concen: 9.860 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

Tgt Ion: 96 Resp: 19720
Ion Ratio Lower Upper
96 100
61 132.5 93.0 172.6
98 65.8 44.2 82.0

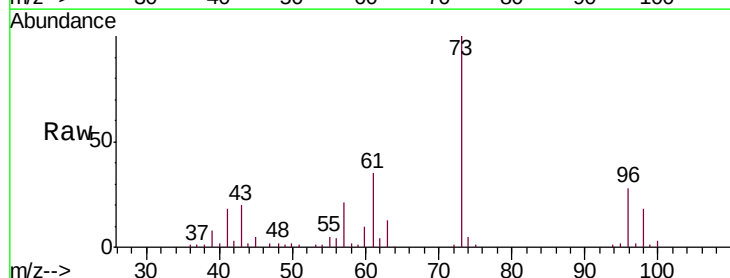


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

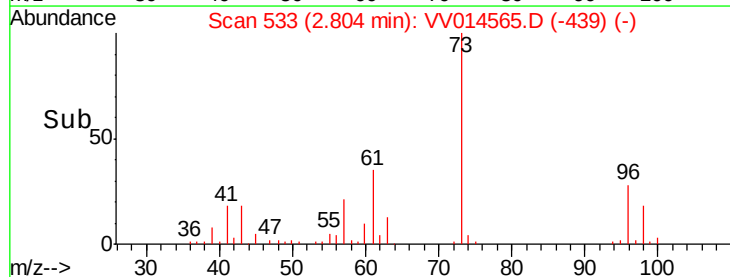
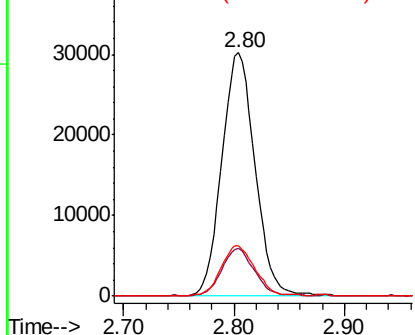


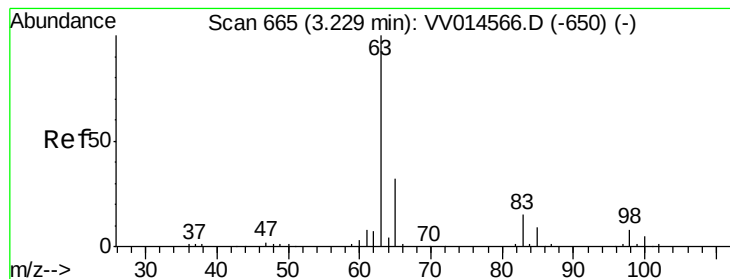
#18
Methyl tert-butyl Ether
Concen: 10.228 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

Tgt Ion: 73 Resp: 63292
Ion Ratio Lower Upper
73 100
43 19.4 15.1 22.7
57 21.3 16.2 24.4



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





#19

1,1-Dichloroethane

Concen: 9.514 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

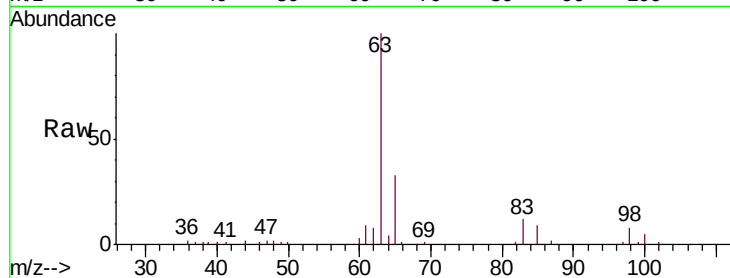
Tgt Ion: 63 Resp: 34386

Ion Ratio Lower Upper

63 100

65 33.4 22.2 41.2

83 12.4 10.4 19.2

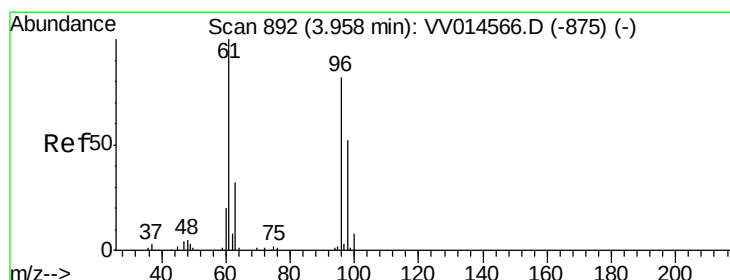
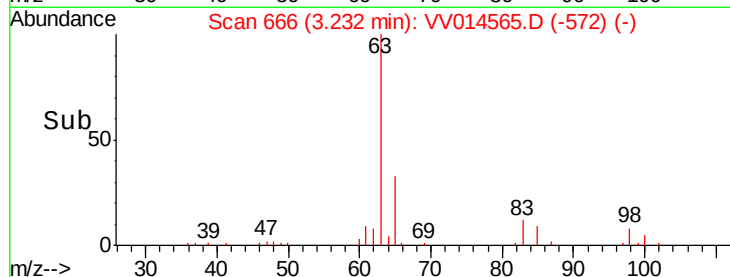


Abundance Ion 63.00 (62.70 to 63.70): VV014566.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV014566.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV014566.D (-650) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 10.078 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

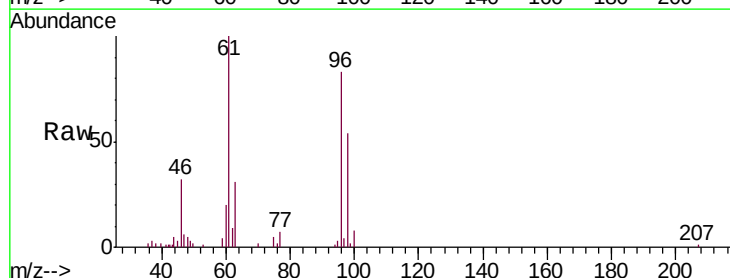
Tgt Ion: 96 Resp: 22650

Ion Ratio Lower Upper

96 100

61 120.9 85.9 159.5

68 0.0 0.0 0.0

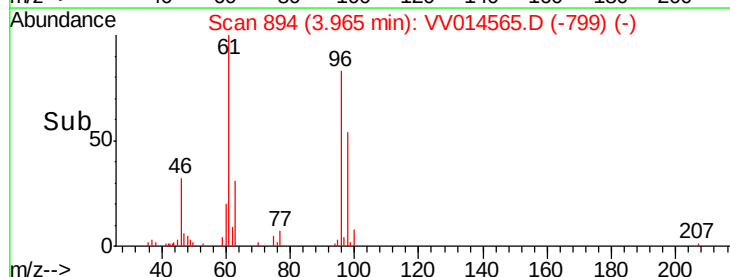


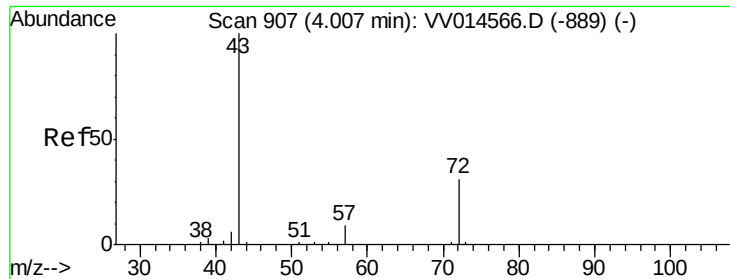
Abundance Ion 96.00 (95.70 to 96.70): VV014566.D (-875) (-)

Ion 61.00 (60.70 to 61.70): VV014566.D (-875) (-)

Ion 68.00 (67.70 to 68.70): VV014566.D (-875) (-)

Time-->





#22

2-Butanone

Concen: 18.383 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampled :

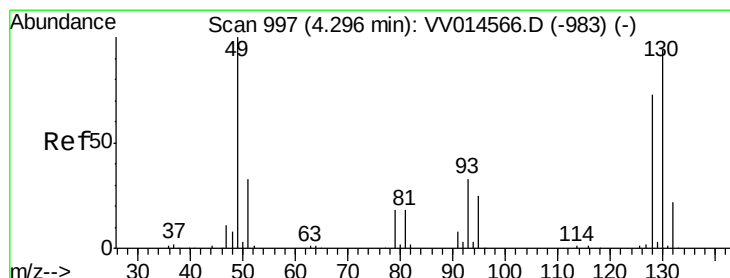
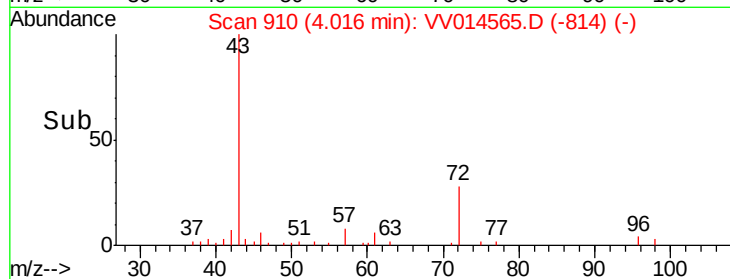
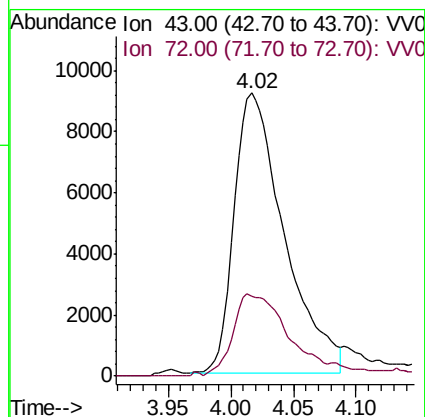
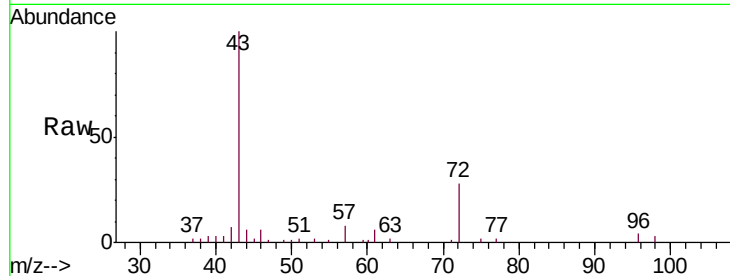
VSTD01061

Tgt Ion: 43 Resp: 25481

Ion Ratio Lower Upper

43 100

72 31.9 15.9 47.7



#23

Bromochloromethane

Concen: 10.331 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Tgt Ion: 128 Resp: 10919

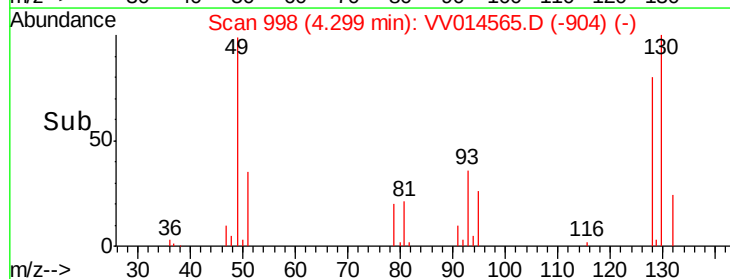
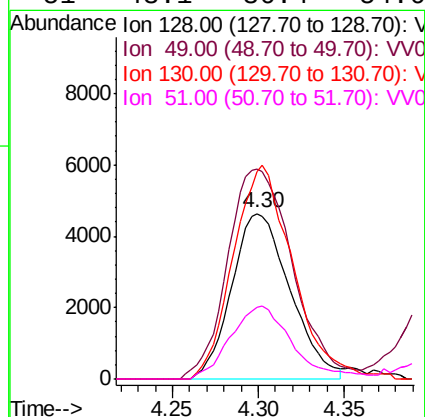
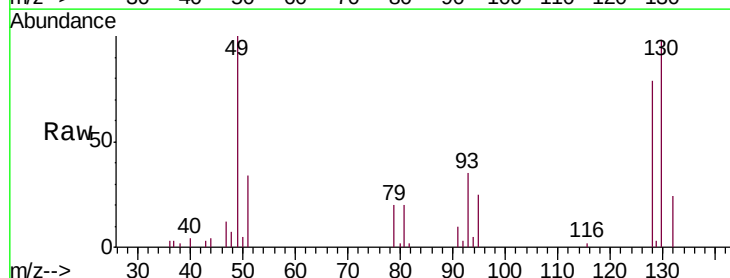
Ion Ratio Lower Upper

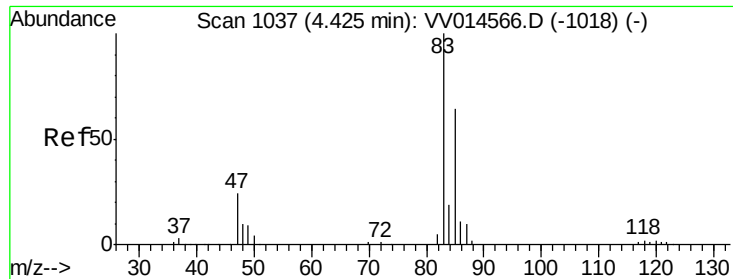
128 100

49 127.0 97.1 180.3

130 124.9 90.7 168.5

51 43.1 36.4 54.6

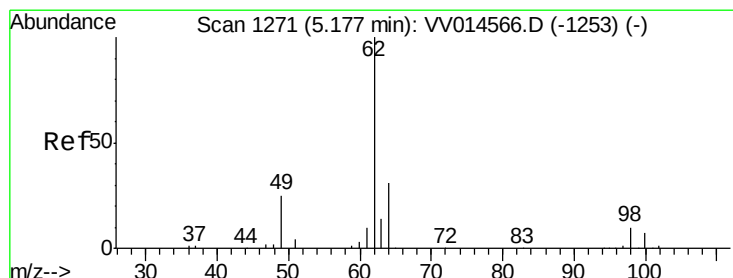
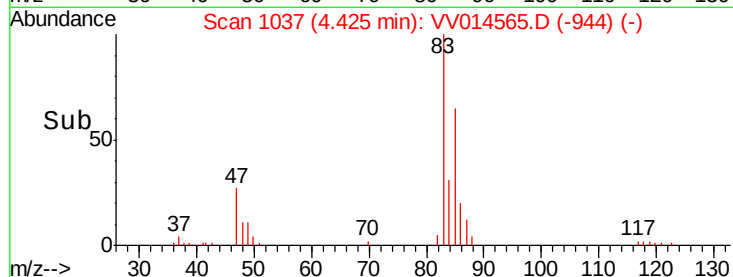
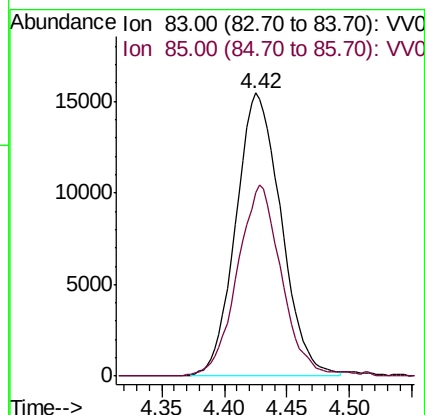
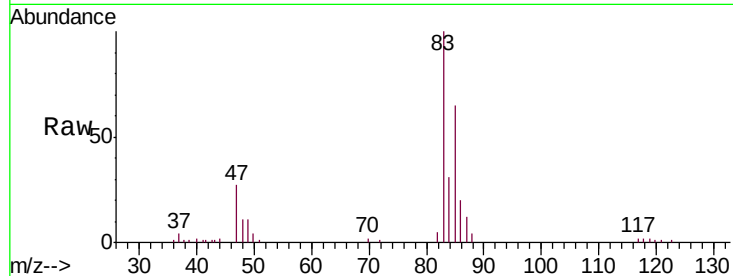




#25
Chloroform
Concen: 10.432 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

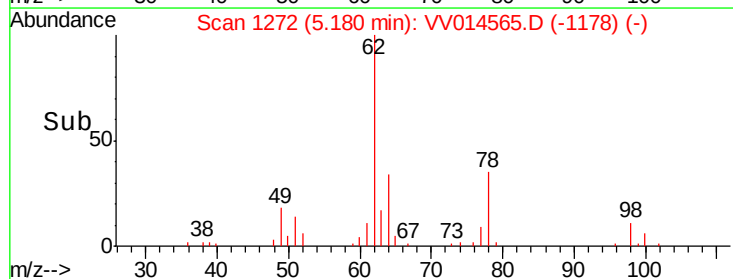
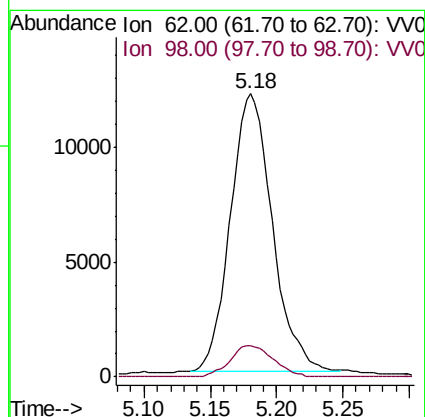
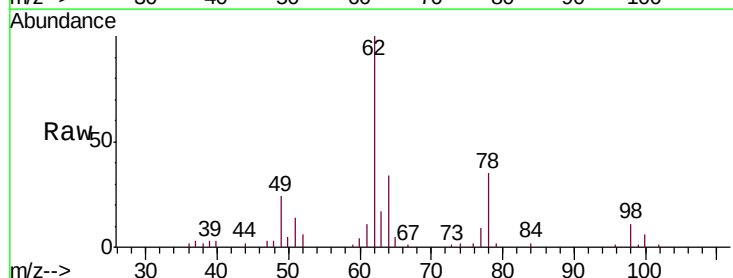
Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

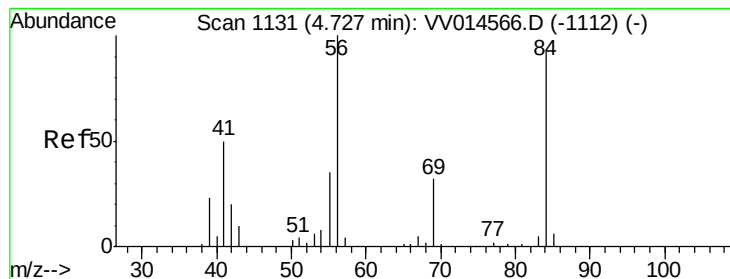
Tgt Ion: 83 Resp: 38852
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 9.947 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

Tgt Ion: 62 Resp: 26401
Ion Ratio Lower Upper
62 100
98 11.0 7.9 11.9





#29

Cyclohexane

Concen: 9.042 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

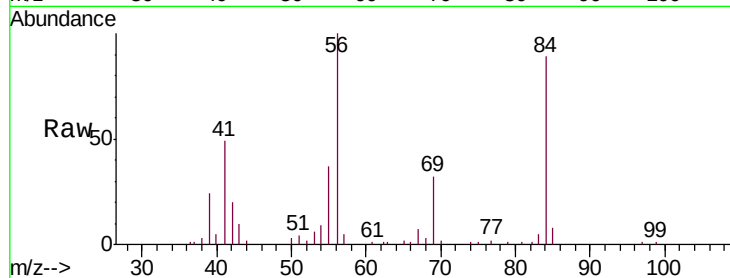
Tgt Ion: 56 Resp: 30541

Ion Ratio Lower Upper

56 100

69 33.9 26.5 39.7

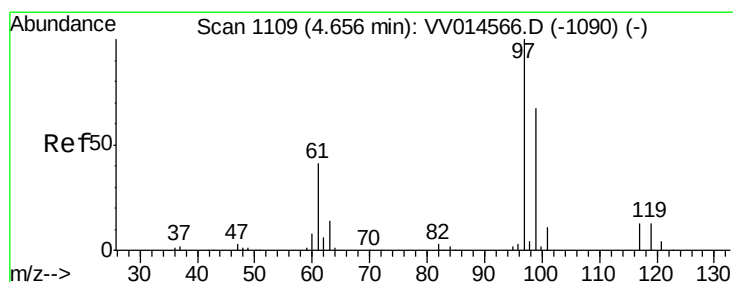
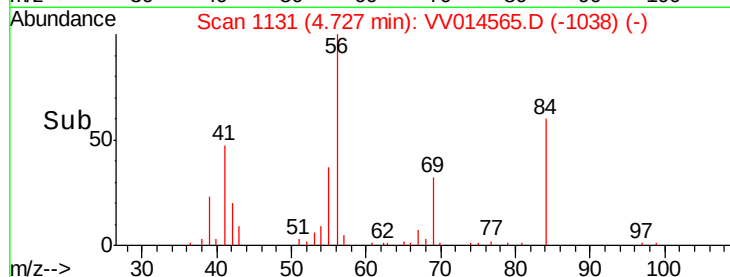
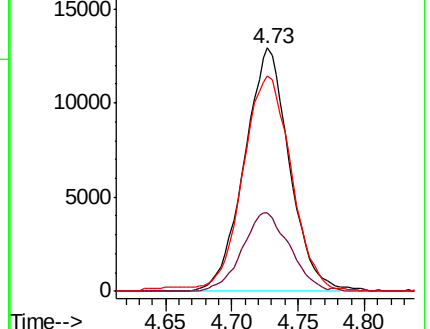
84 95.0 75.8 113.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 10.664 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

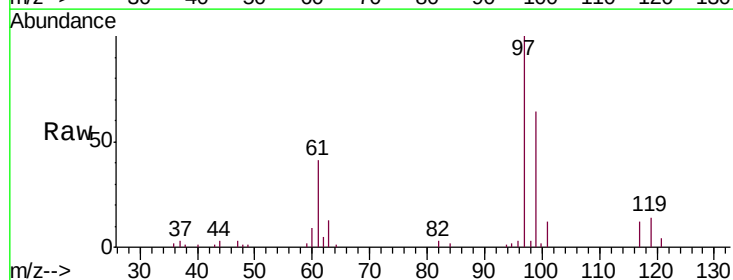
Tgt Ion: 97 Resp: 32894

Ion Ratio Lower Upper

97 100

99 65.7 51.2 76.8

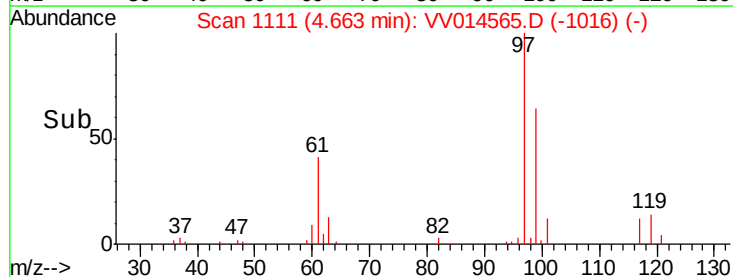
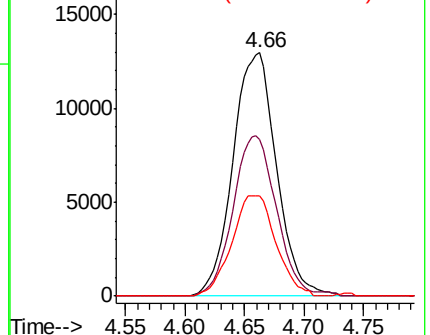
61 41.8 32.4 48.6

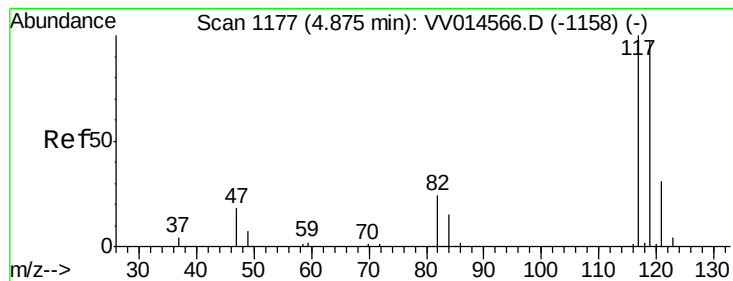


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 11.111 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

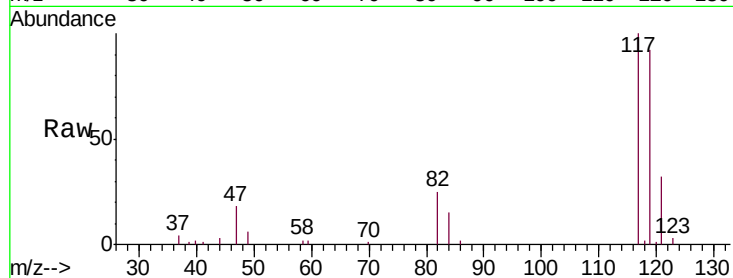
VSTD01061

Tgt Ion:117 Resp: 30115

Ion Ratio Lower Upper

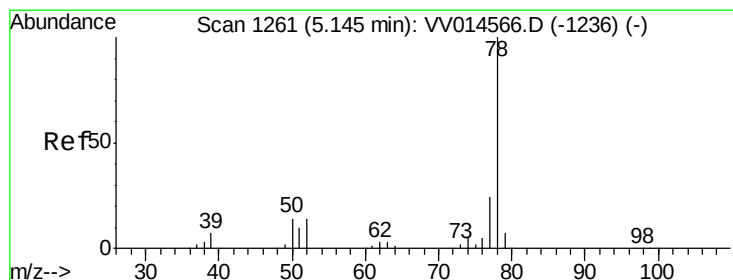
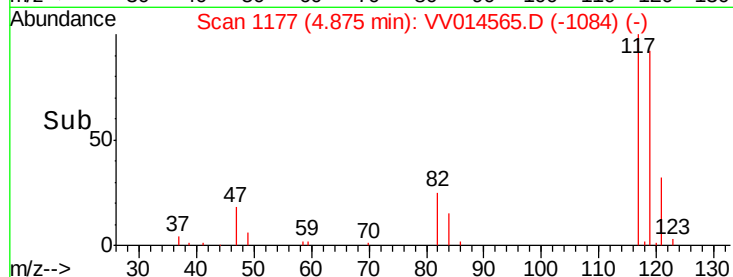
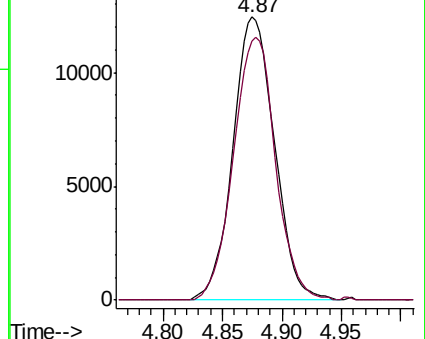
117 100

119 94.0 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.746 ug/L

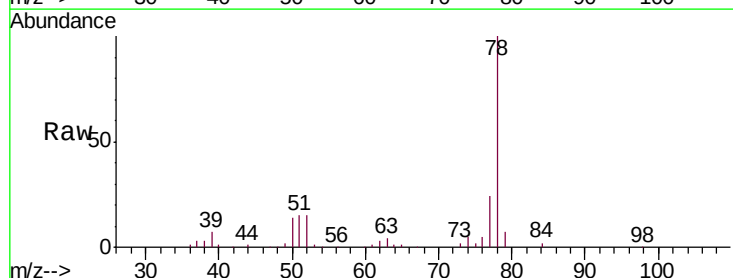
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

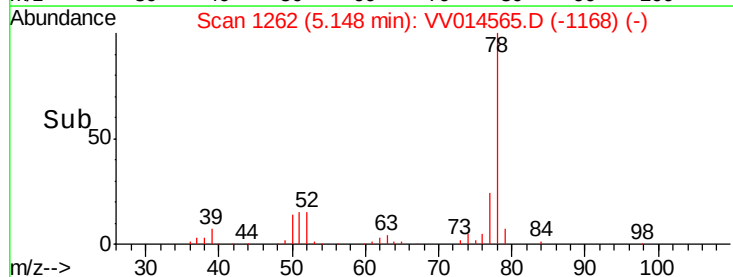
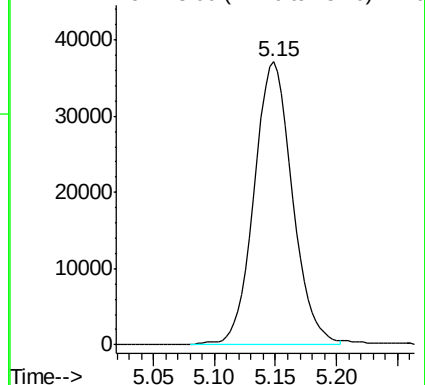
Lab File: VV014565.D

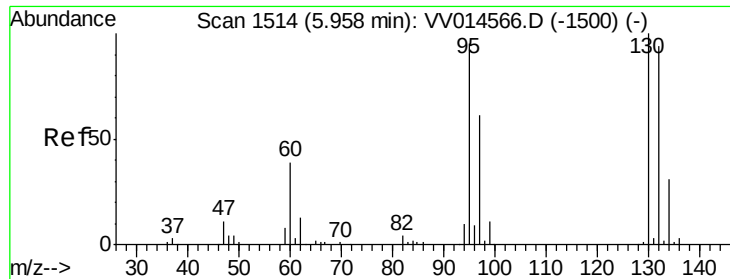
Acq: 12 Feb 2020 11:07

Tgt Ion: 78 Resp: 80923



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 10.273 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

Tgt Ion: 95 Resp: 21792

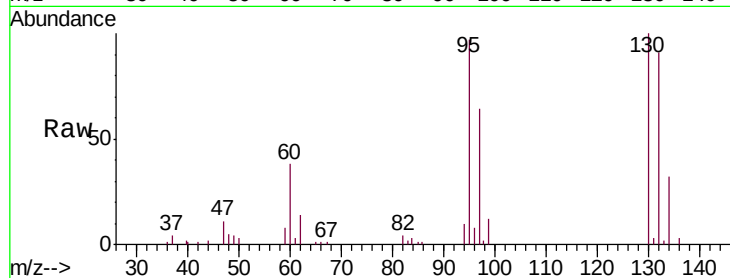
Ion Ratio Lower Upper

95 100

97 67.9 45.3 84.1

132 93.9 69.6 129.2

130 103.6 74.0 137.4

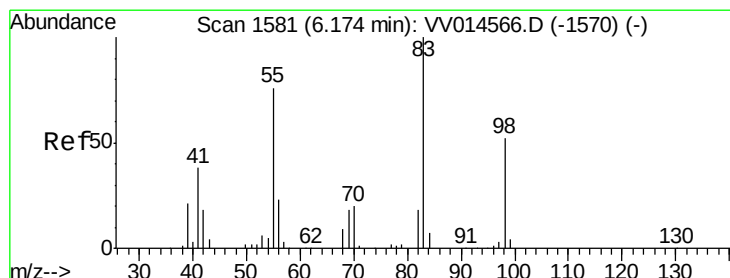
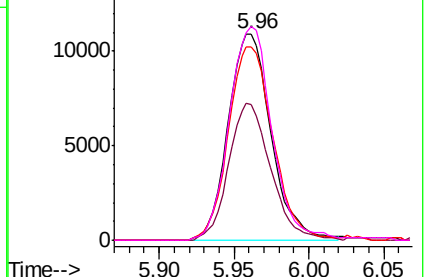
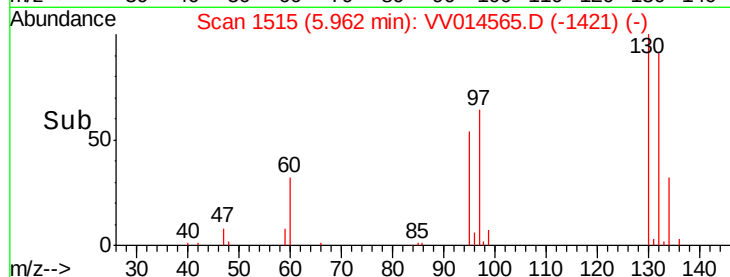


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 9.641 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

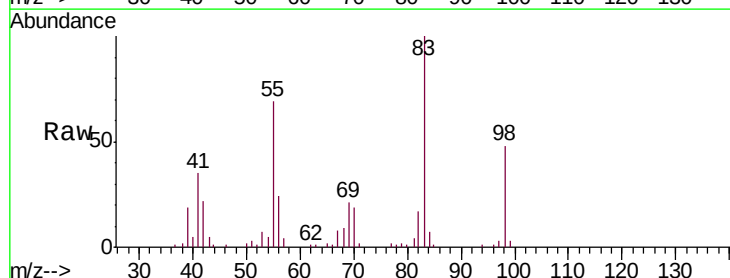
Tgt Ion: 83 Resp: 33530

Ion Ratio Lower Upper

83 100

55 74.7 57.8 86.6

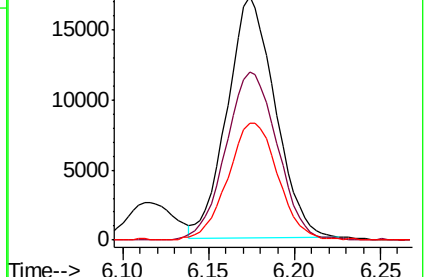
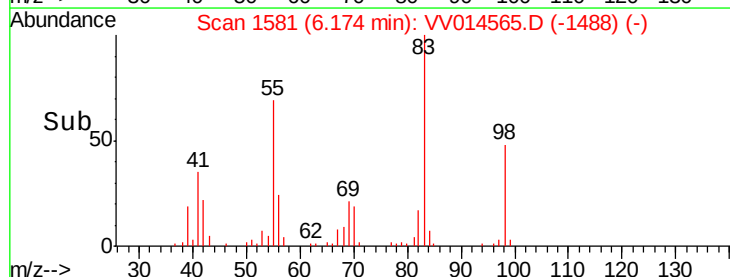
98 50.7 39.7 59.5

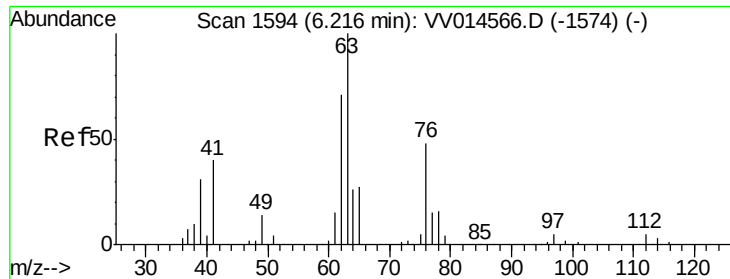


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

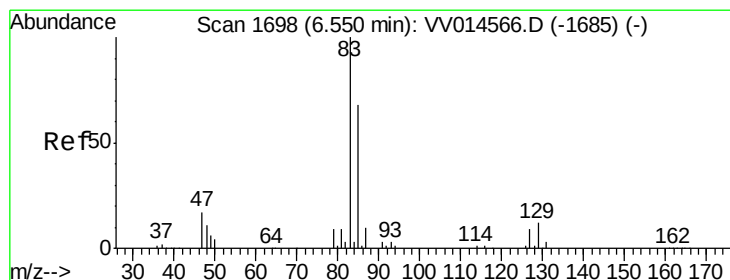
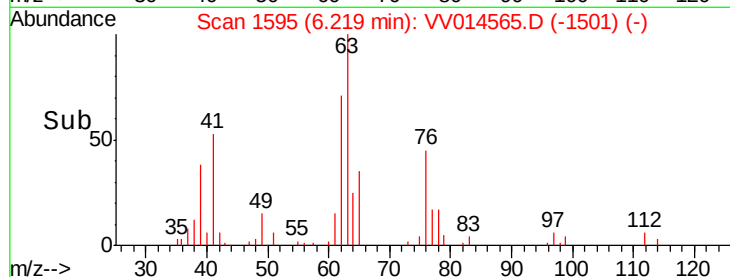
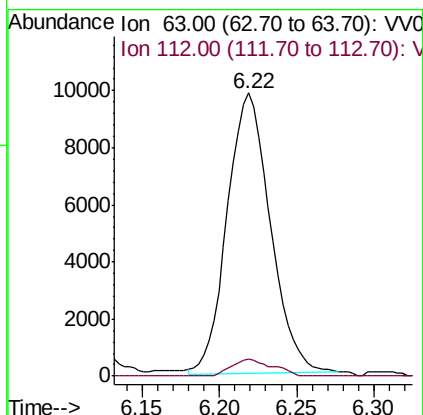
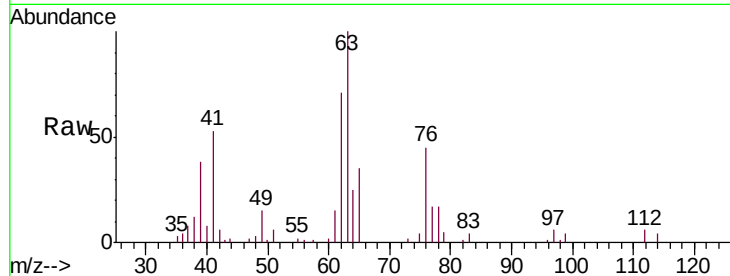




#37
 1,2-Dichloropropane
 Concen: 9.177 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

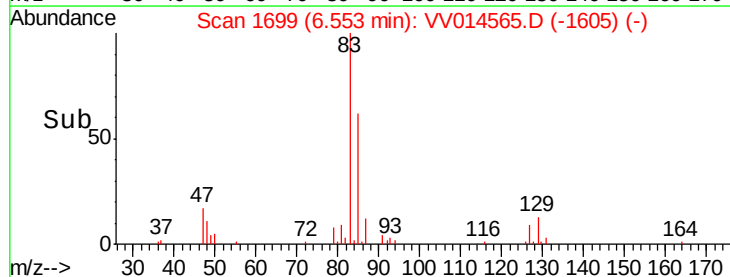
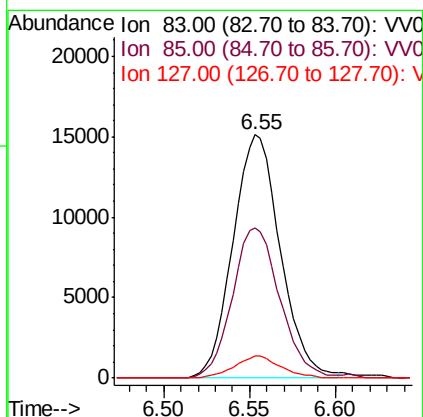
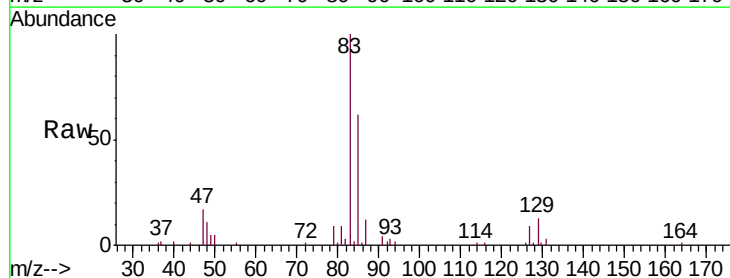
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01061

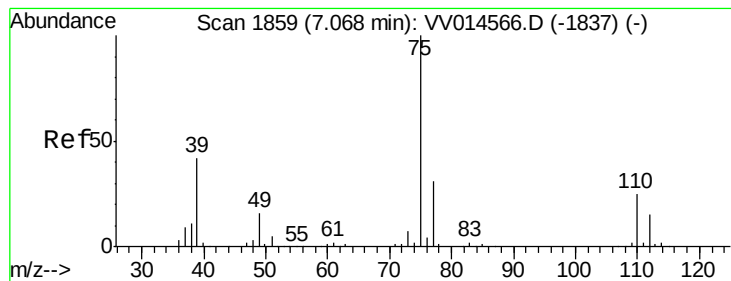
Tgt Ion: 63 Resp: 19012
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.1 6.1



#38
 Bromodichloromethane
 Concen: 10.302 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

Tgt Ion: 83 Resp: 28896
 Ion Ratio Lower Upper
 83 100
 85 61.7 47.3 87.8
 127 8.9 7.5 11.3



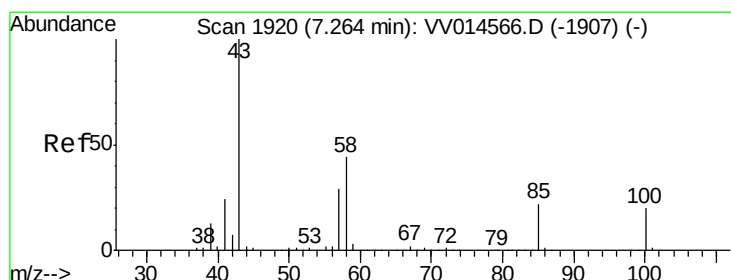
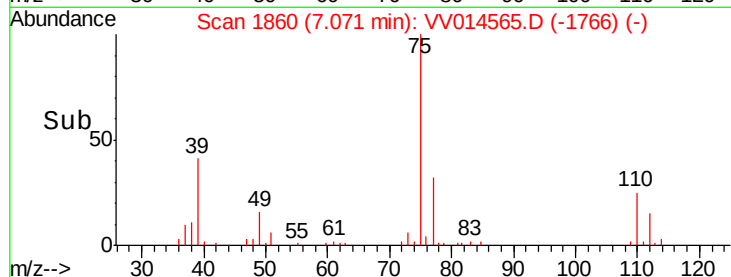
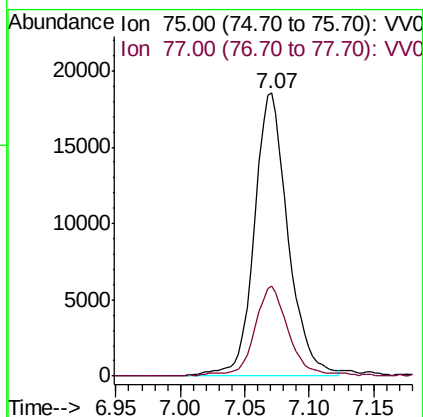
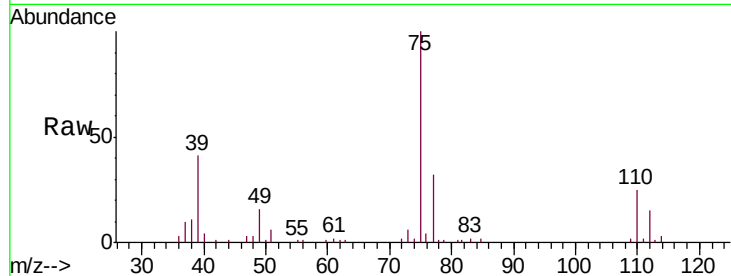


#39

cis-1,3-Dichloropropene
 Concen: 9.889 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

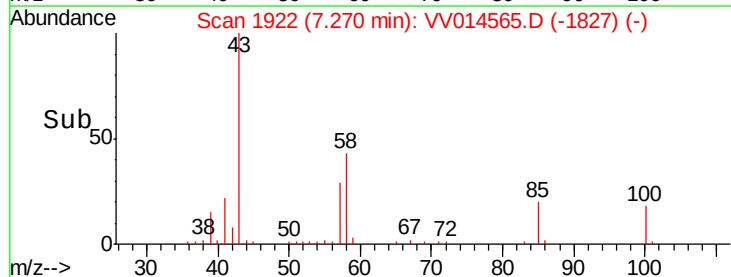
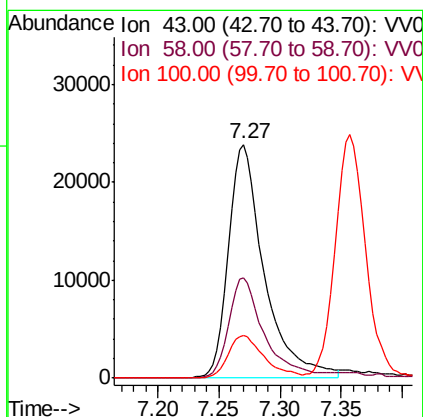
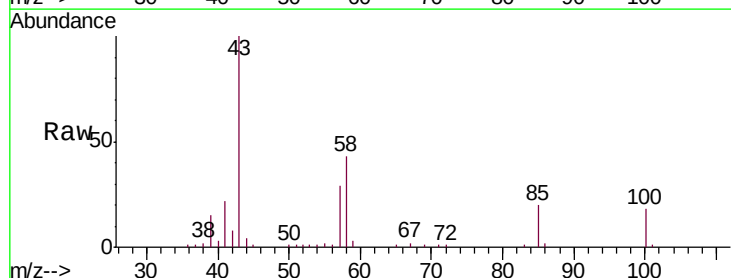
Tgt Ion: 75 Resp: 33936
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.7 40.3

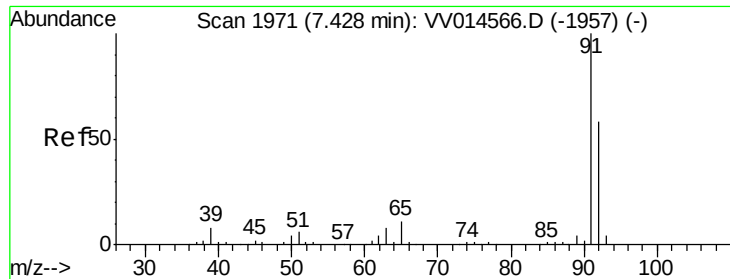


#40

4-Methyl-2-pentanone
 Concen: 19.603 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

Tgt Ion: 43 Resp: 48987
 Ion Ratio Lower Upper
 43 100
 58 42.3 35.0 52.6
 100 18.5 15.7 23.5





#42

Toluene

Concen: 10.145 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

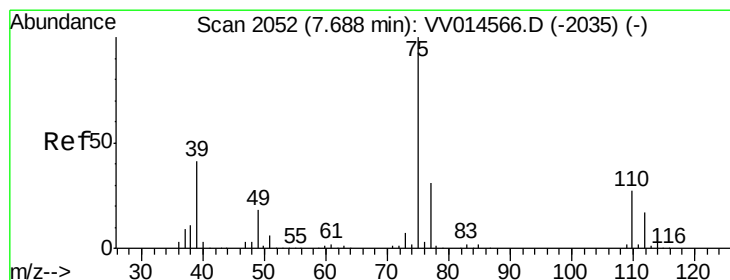
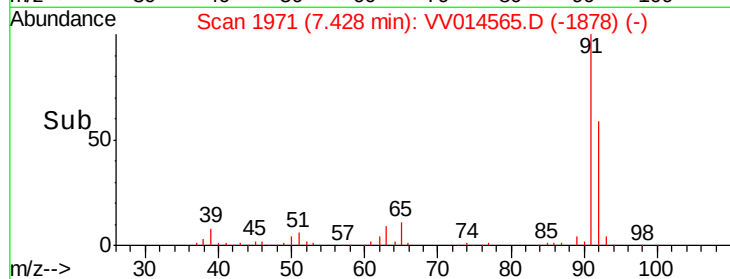
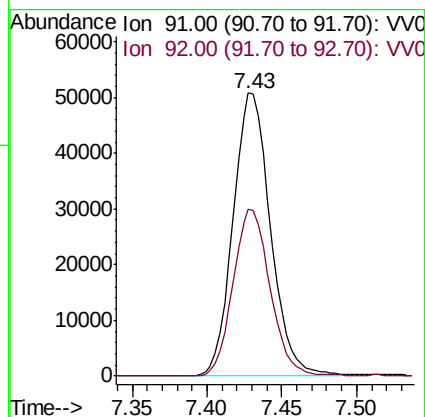
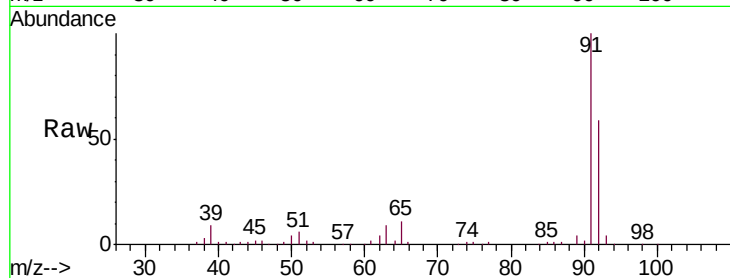
VSTD01061

Tgt Ion: 91 Resp: 88688

Ion Ratio Lower Upper

91 100

92 58.8 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 10.274 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014565.D

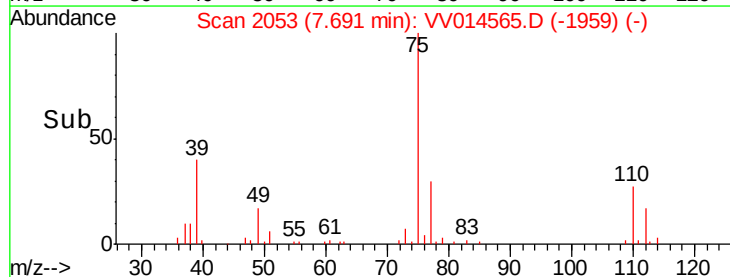
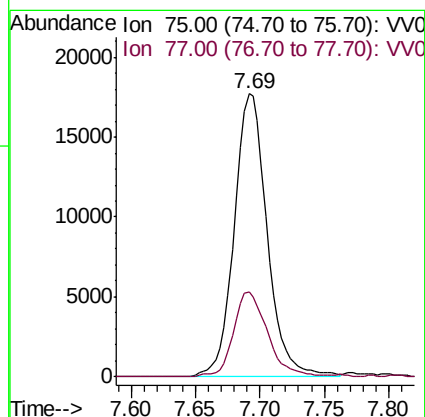
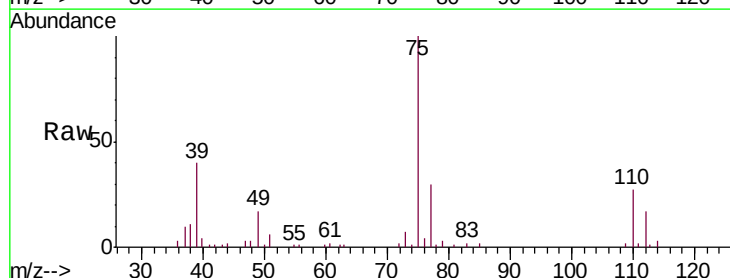
Acq: 12 Feb 2020 11:07

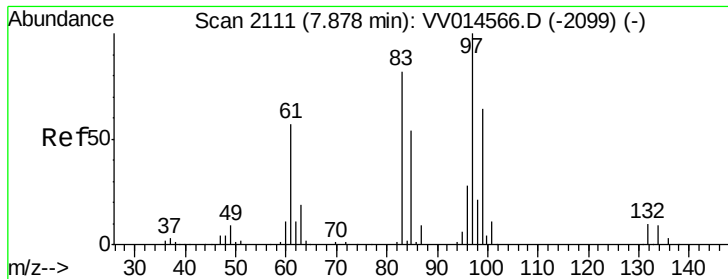
Tgt Ion: 75 Resp: 31559

Ion Ratio Lower Upper

75 100

77 30.0 21.7 40.3

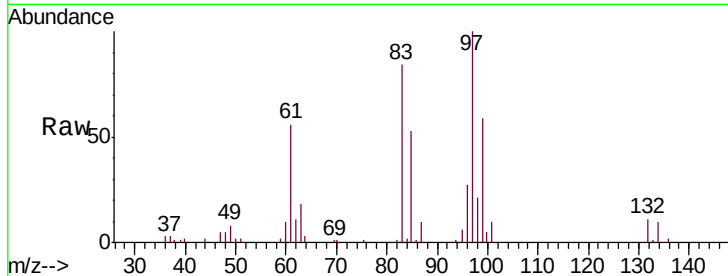




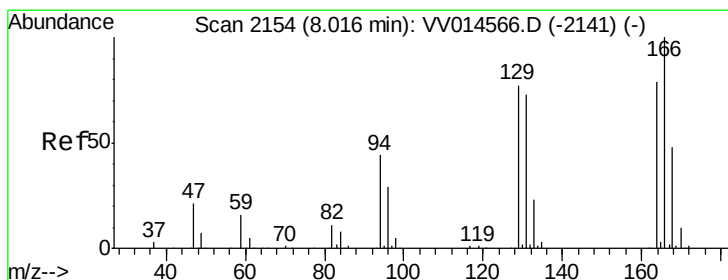
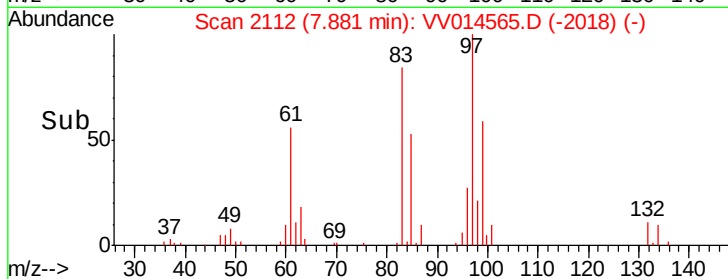
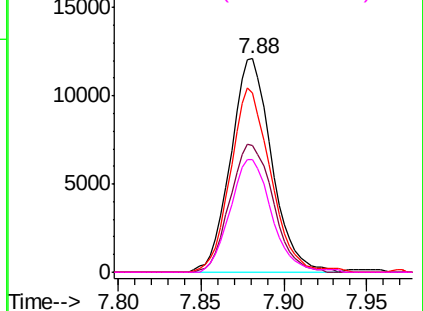
#45
 1,1,2-Trichloroethane
 Concen: 10.544 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

Tgt Ion:	97	Resp:	20887
Ion	Ratio	Lower	Upper
97	100		
99	59.4	44.9	83.3
83	83.6	57.5	106.7
85	52.5	37.5	69.7

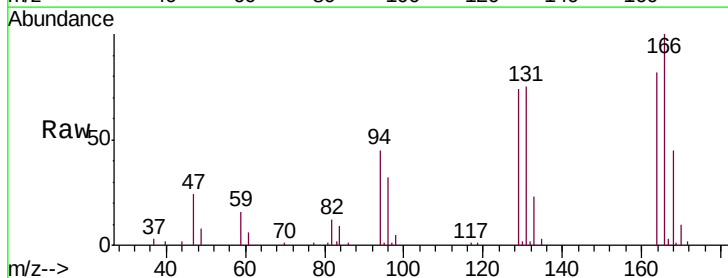


Abundance Ion 97.00 (96.70 to 97.70): VV014566.D (-2099) (-)

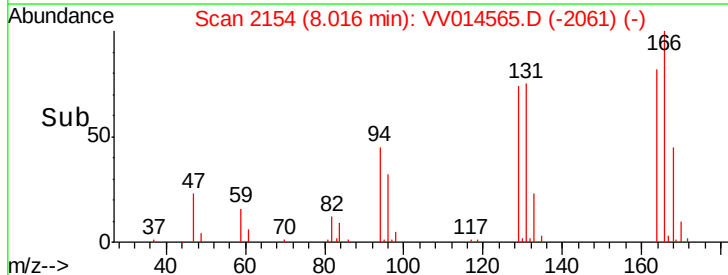
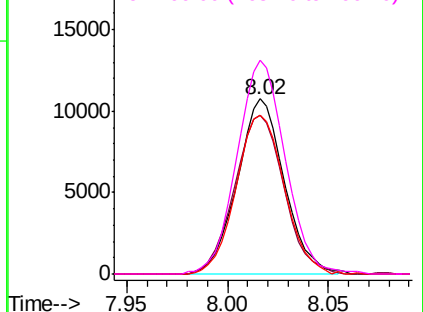


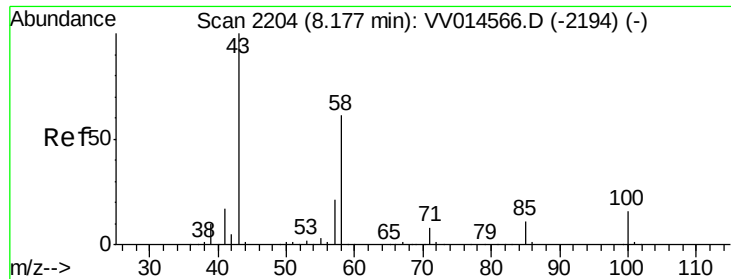
#46
 Tetrachloroethene
 Concen: 11.122 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

Tgt Ion:	164	Resp:	17552
Ion	Ratio	Lower	Upper
164	100		
129	90.9	67.8	126.0
131	91.1	64.5	119.9
166	122.2	88.6	164.6



Abundance Ion 164.00 (163.70 to 164.70): VV014566.D (-2141) (-)

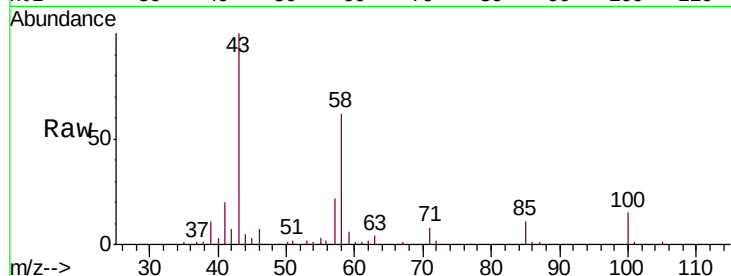




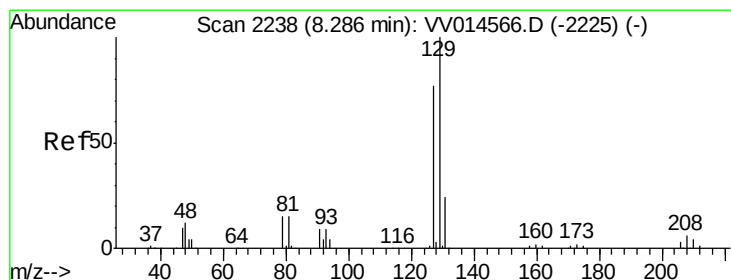
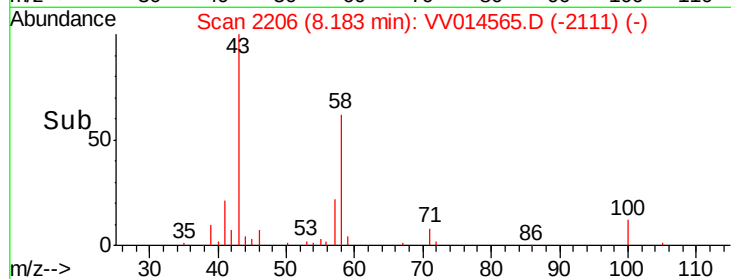
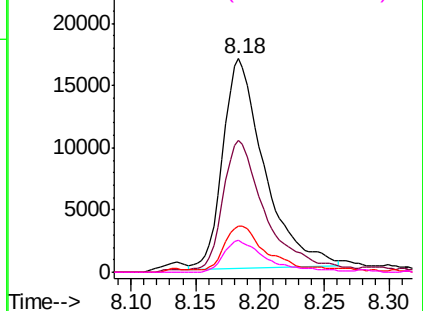
#48
2-Hexanone
Concen: 19.562 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.01 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

Tgt Ion:	43	Resp:	37797
Ion	Ratio	Lower	Upper
43	100		
58	59.8	50.4	75.6
57	20.4	17.8	26.6
100	15.2	12.6	19.0

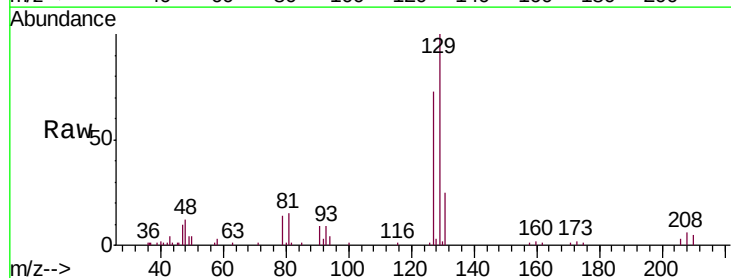


Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VV014566.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VV014566.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VV014566.D (-2194) (-)

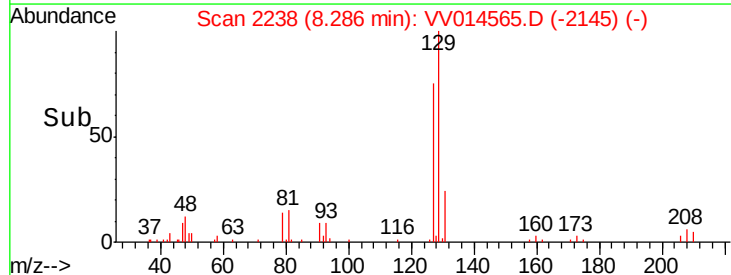
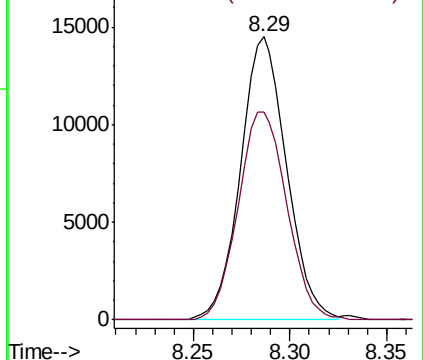


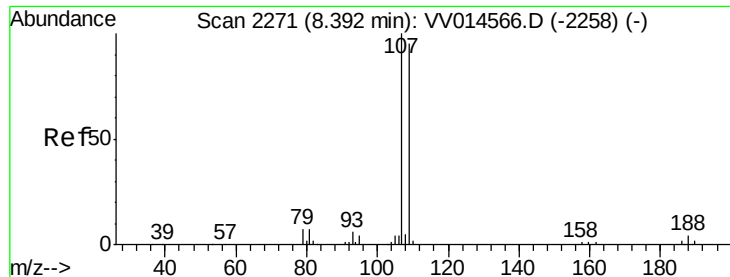
#49
Dibromochloromethane
Concen: 10.843 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

Tgt Ion:	129	Resp:	24022
Ion	Ratio	Lower	Upper
129	100		
127	73.4	54.3	100.8



Abundance Ion 129.00 (128.70 to 129.70): VV014566.D (-2225) (-)
Ion 127.00 (126.70 to 127.70): VV014566.D (-2225) (-)

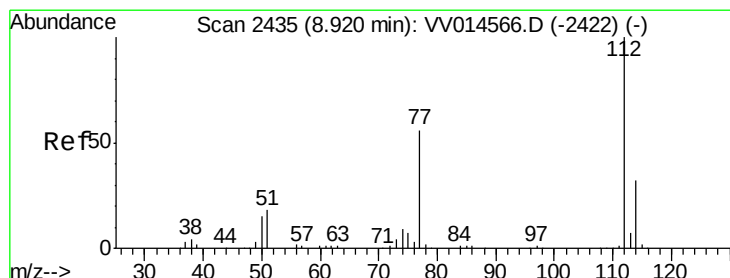
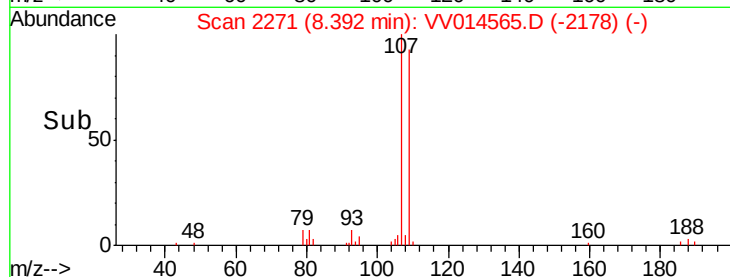
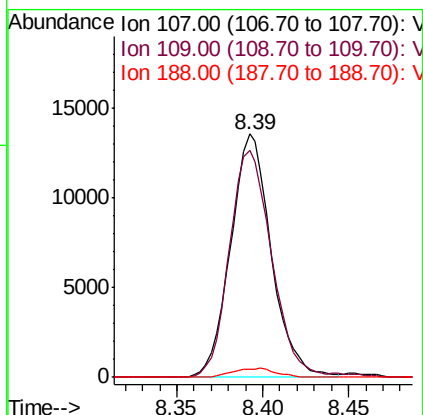
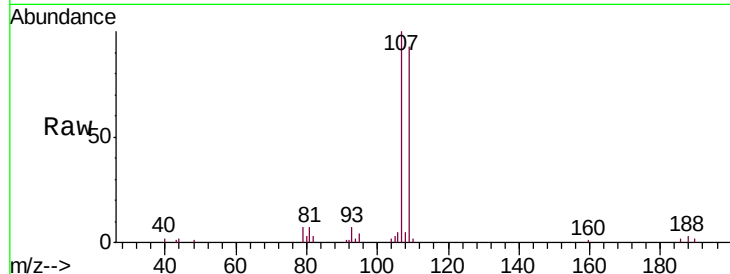




#50
1,2-Dibromoethane
Concen: 10.467 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

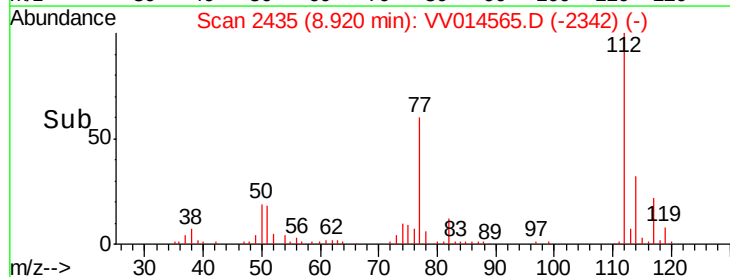
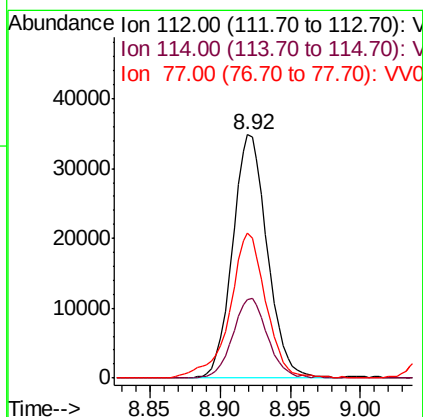
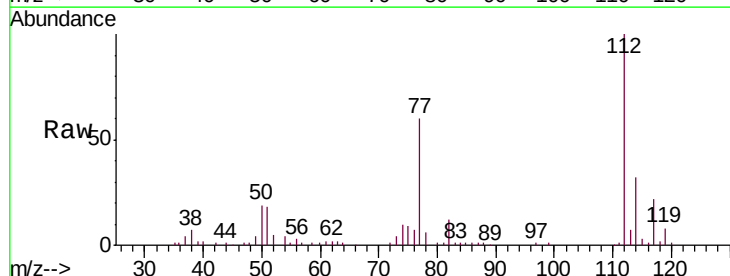
Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

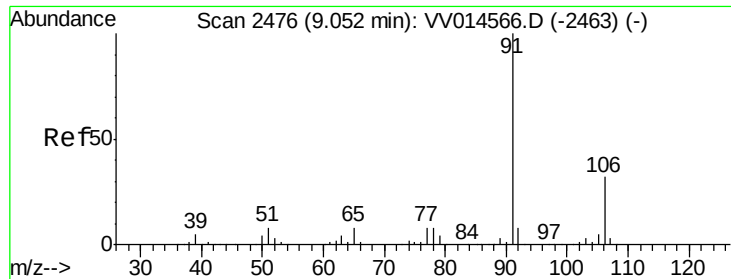
Tgt Ion:107 Resp: 22252
Ion Ratio Lower Upper
107 100
109 93.3 66.1 122.8
188 3.5 3.0 4.6



#51
Chlorobenzene
Concen: 10.648 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014565.D
Acq: 12 Feb 2020 11:07

Tgt Ion:112 Resp: 60142
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.3
77 59.5 45.3 67.9





#52

Ethylbenzene

Concen: 10.276 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

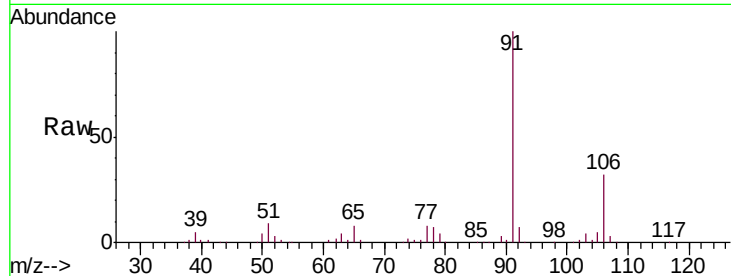
VSTD01061

Tgt Ion: 91 Resp: 101154

Ion Ratio Lower Upper

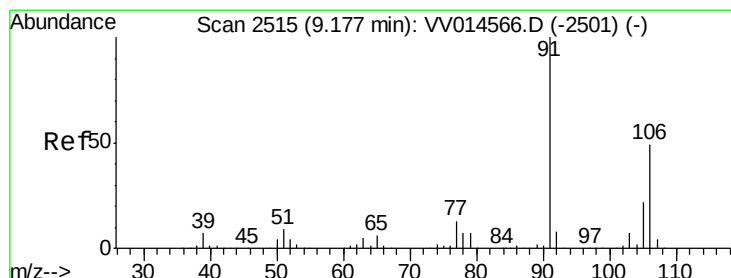
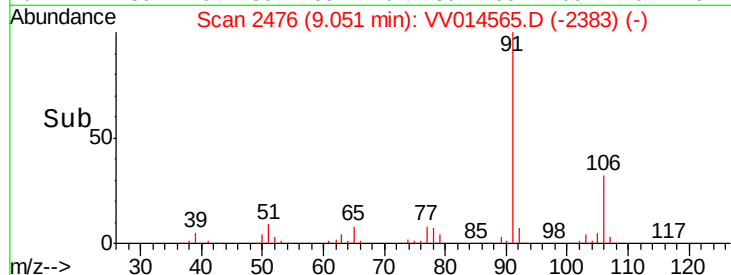
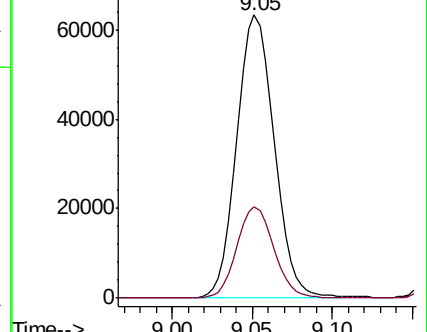
91 100

106 32.1 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV014566.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV014566.D (-2463) (-)



#53

m,p-Xylene

Concen: 10.689 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014565.D

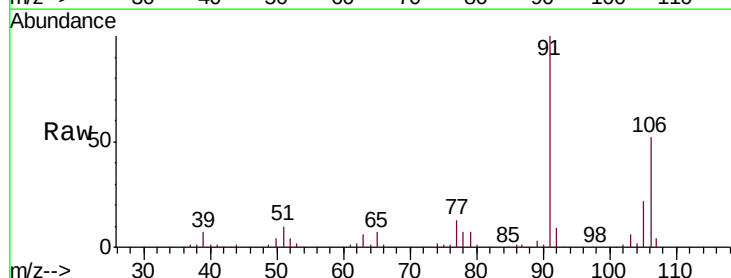
Acq: 12 Feb 2020 11:07

Tgt Ion: 106 Resp: 39362

Ion Ratio Lower Upper

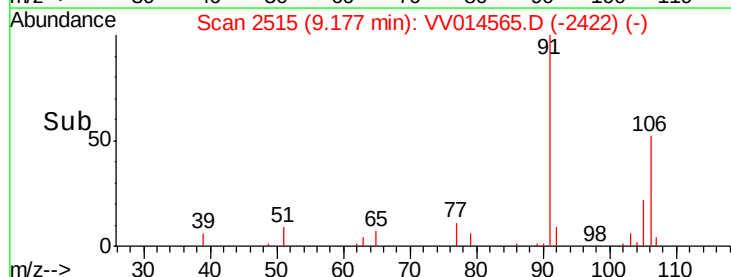
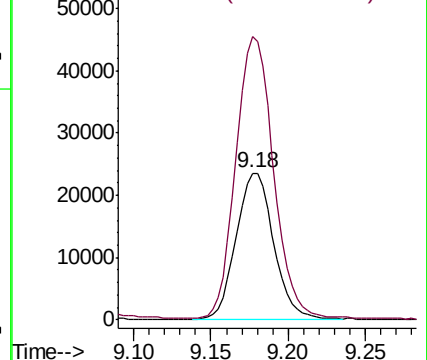
106 100

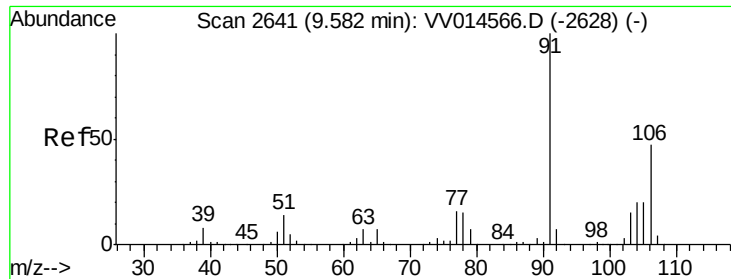
91 192.6 142.4 264.4



Abundance Ion 106.00 (105.70 to 106.70): VV014566.D (-2501) (-)

Ion 91.00 (90.70 to 91.70): VV014566.D (-2501) (-)





#54

o-xylene

Concen: 10.575 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

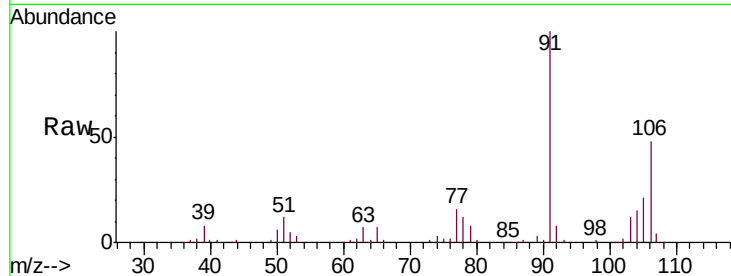
VSTD01061

Tgt Ion:106 Resp: 38500

Ion Ratio Lower Upper

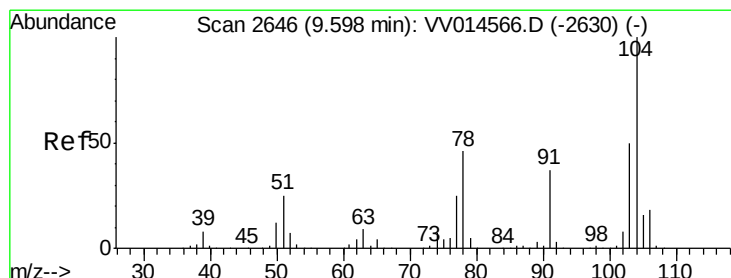
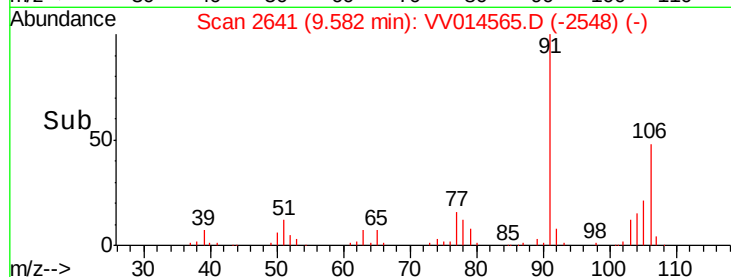
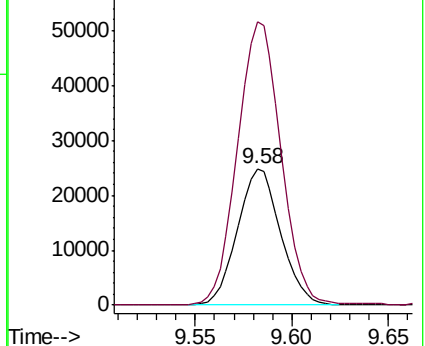
106 100

91 207.1 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 10.729 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014565.D

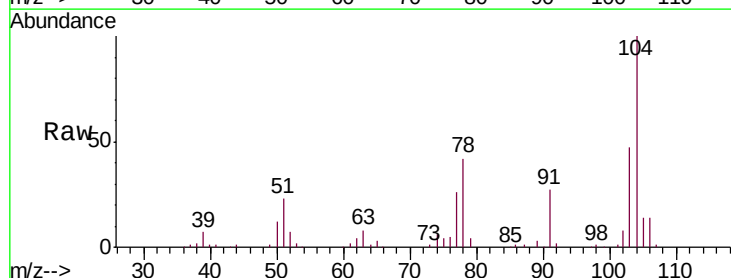
Acq: 12 Feb 2020 11:07

Tgt Ion:104 Resp: 65758

Ion Ratio Lower Upper

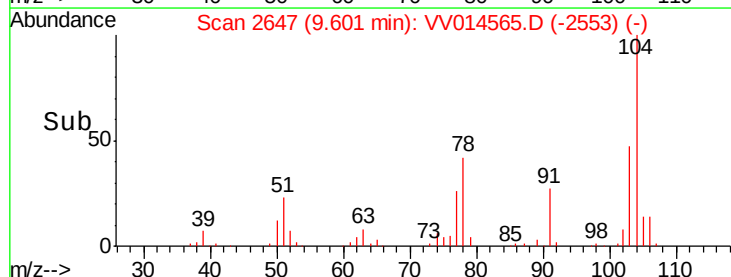
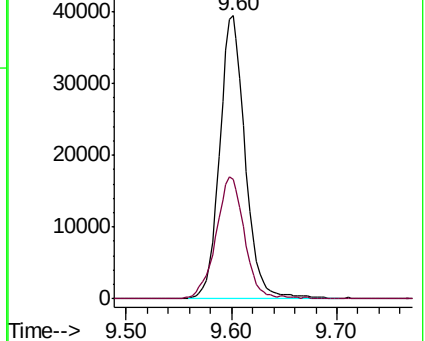
104 100

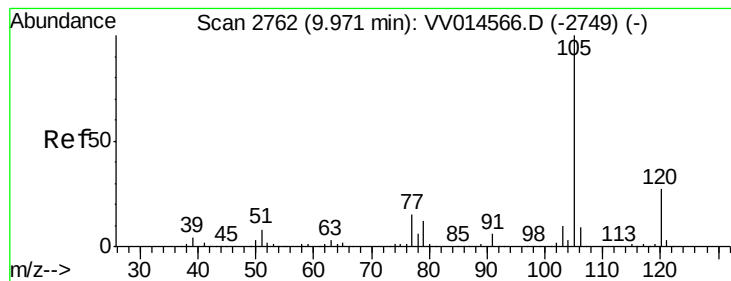
78 42.4 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 10.704 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

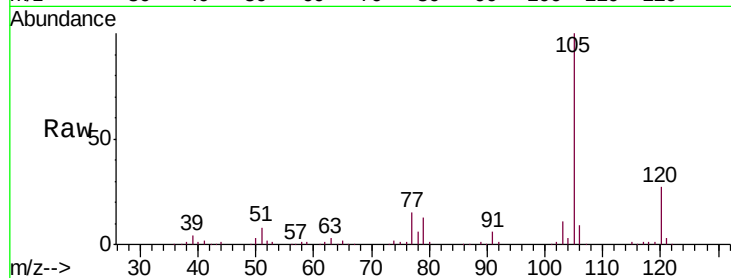
Tgt Ion: 105 Resp: 100357

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

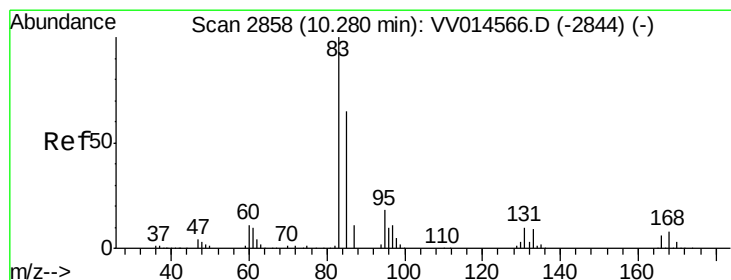
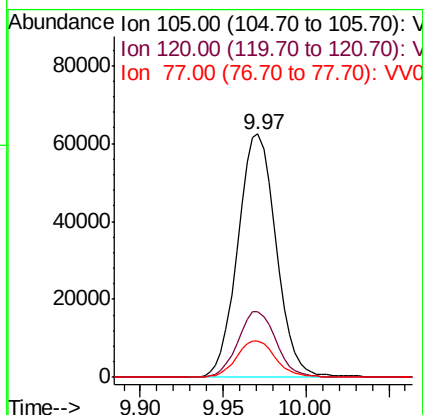
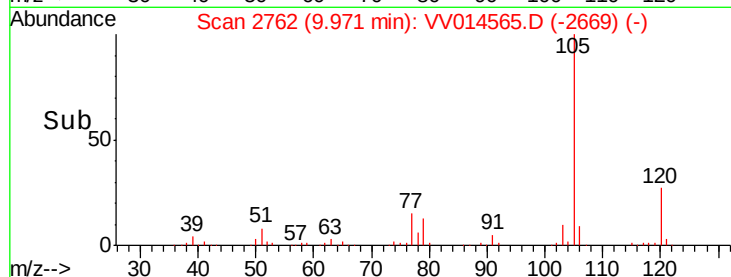
77 15.5 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.341 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

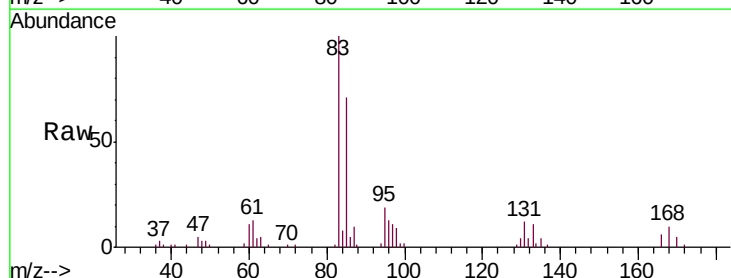
Tgt Ion: 83 Resp: 32854

Ion Ratio Lower Upper

83 100

85 70.9 45.7 84.9

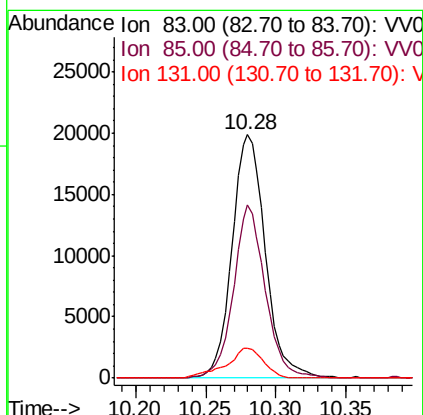
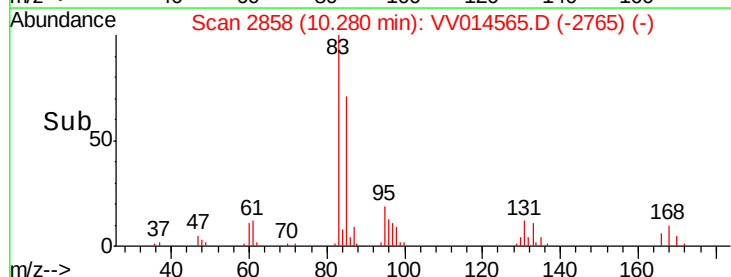
131 12.4 8.2 12.4#

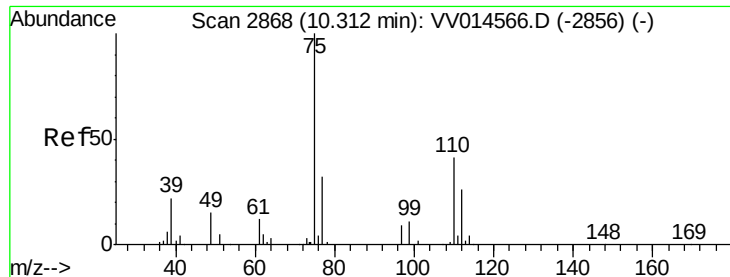


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.372 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

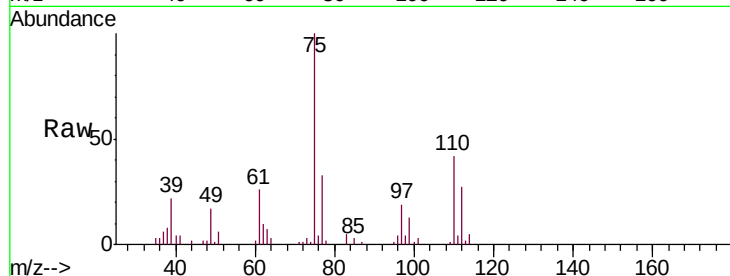
VSTD01061

Tgt Ion: 75 Resp: 25785

Ion Ratio Lower Upper

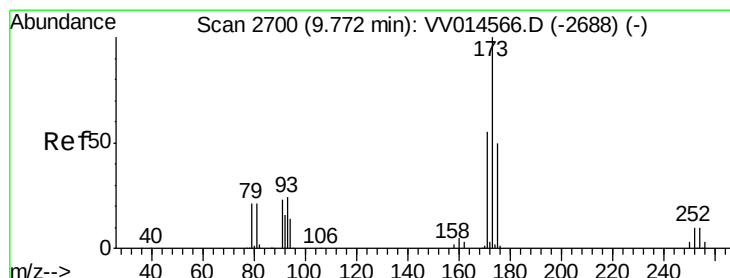
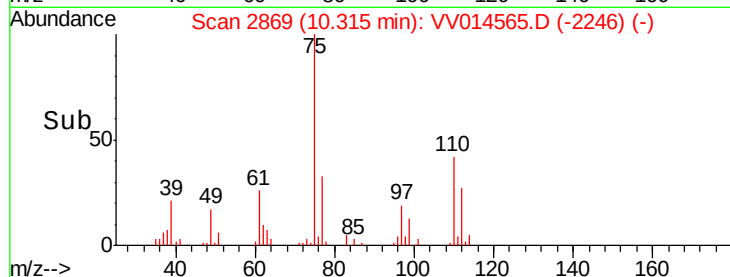
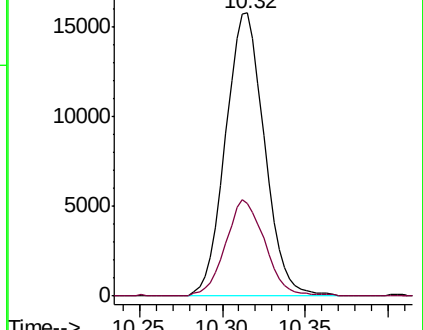
75 100

77 34.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014566.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014566.D (-2856) (-)



#61

Bromoform

Concen: 10.601 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

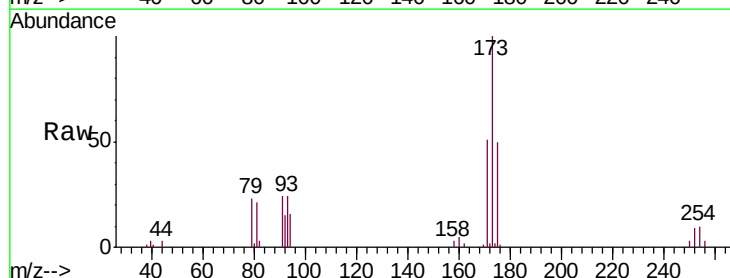
Tgt Ion: 173 Resp: 16189

Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

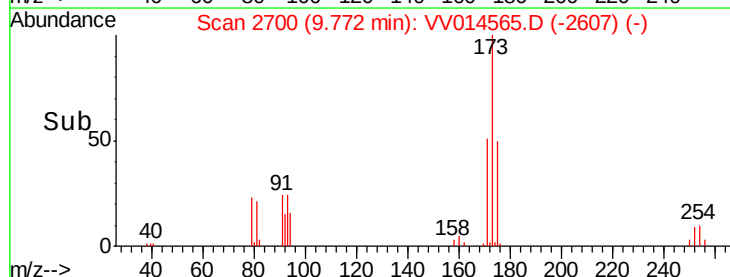
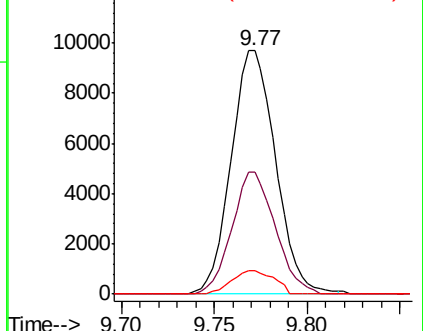
254 9.2 7.1 10.7

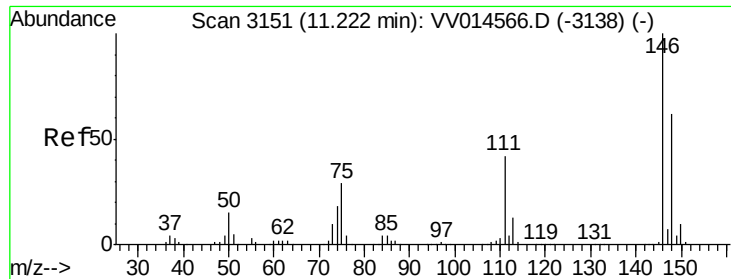


Abundance Ion 173.00 (172.70 to 173.70): VV014566.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV014566.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014566.D (-2688) (-)





#62

1,3-Dichlorobenzene

Concen: 10.580 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

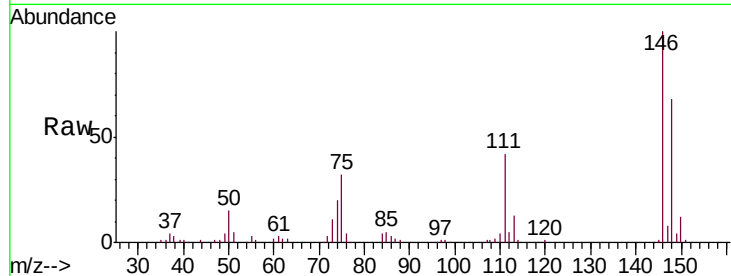
Tgt Ion:146 Resp: 47204

Ion Ratio Lower Upper

146 100

111 42.0 29.4 54.6

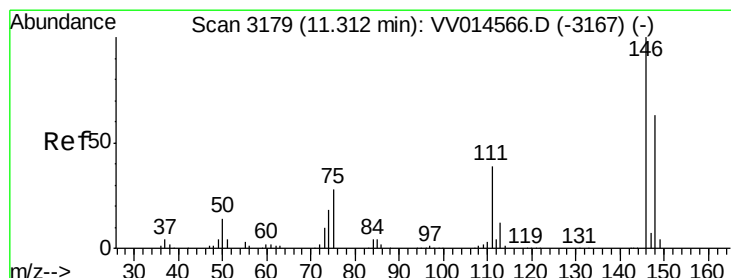
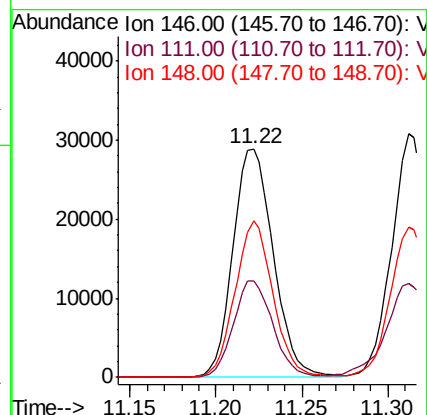
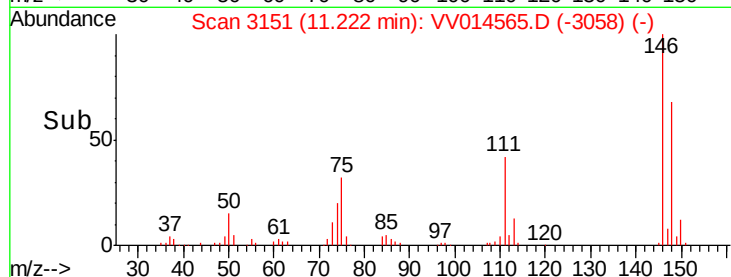
148 68.4 43.6 81.0



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



#63

1,4-Dichlorobenzene

Concen: 10.507 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

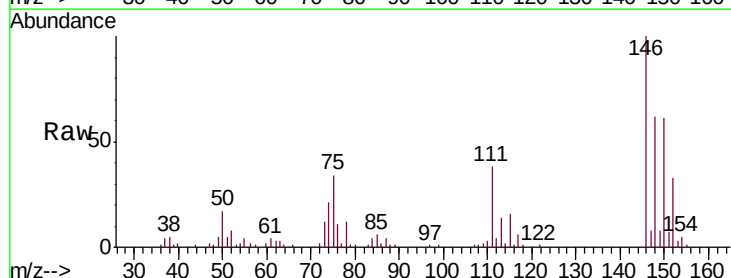
Tgt Ion:146 Resp: 48340

Ion Ratio Lower Upper

146 100

111 38.5 27.7 51.5

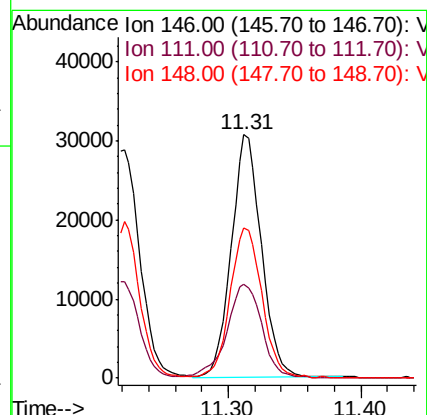
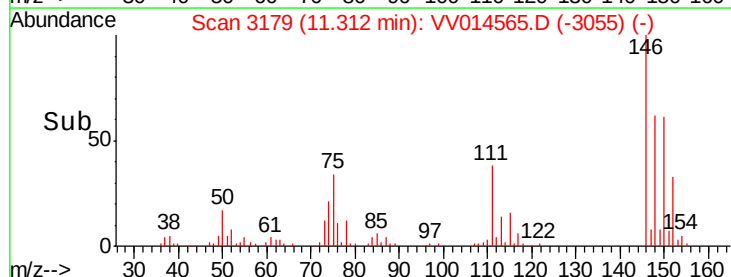
148 61.7 44.1 81.9

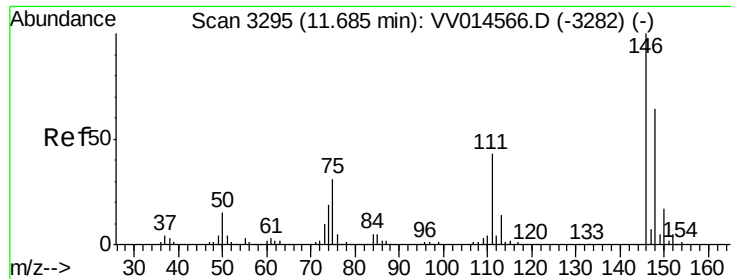


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

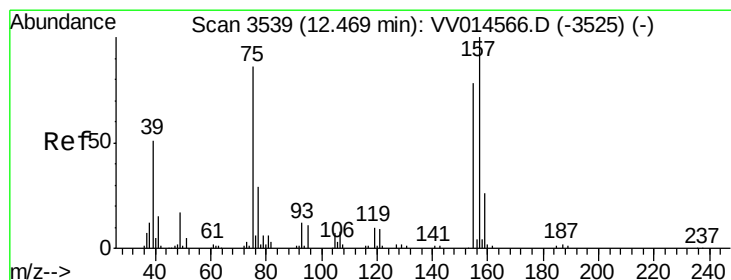
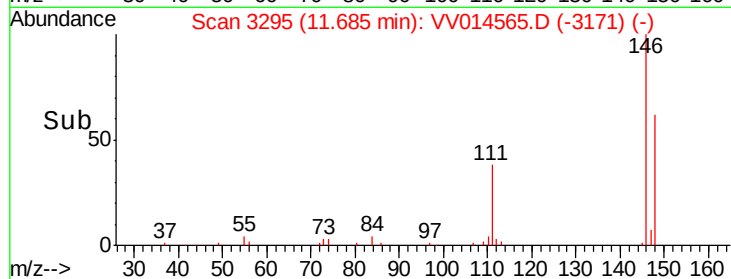
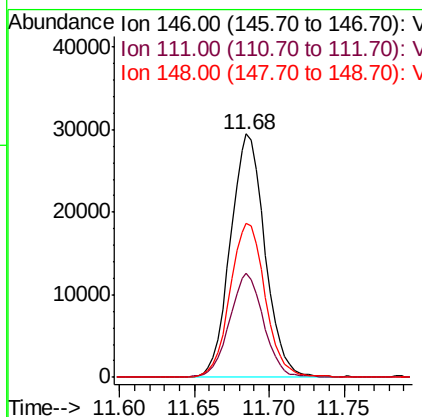
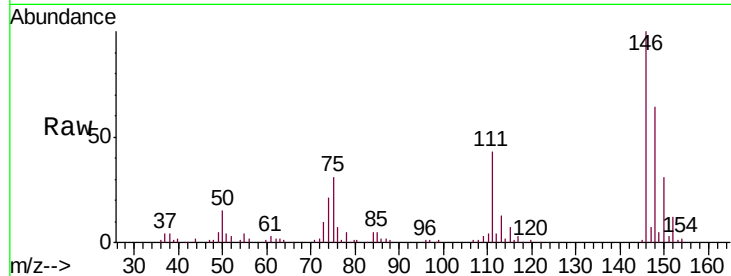




#65
 1,2-Dichlorobenzene
 Concen: 10.803 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

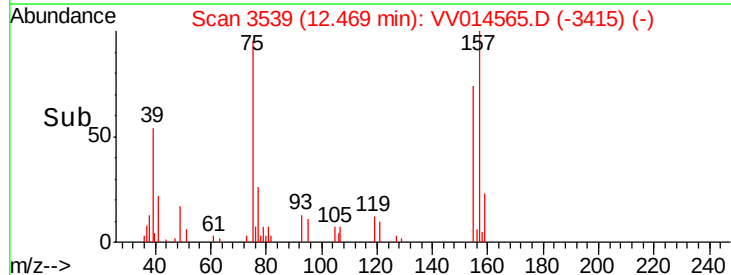
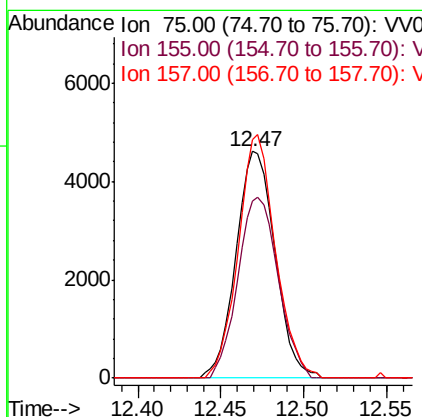
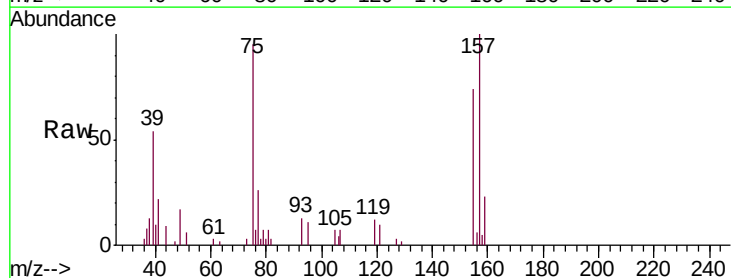
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

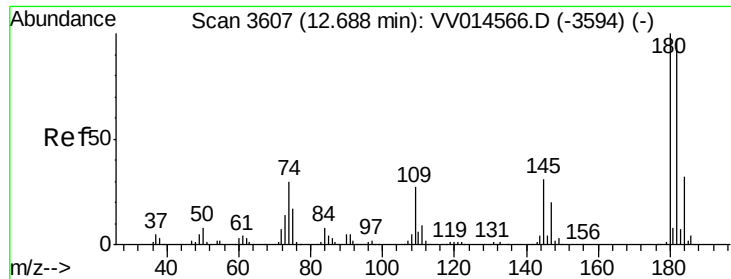
Tgt Ion: 146 Resp: 47461
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.6 52.0
 148 63.5 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.744 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

Tgt Ion: 75 Resp: 7555
 Ion Ratio Lower Upper
 75 100
 155 78.1 72.9 109.3
 157 105.2 93.0 139.4

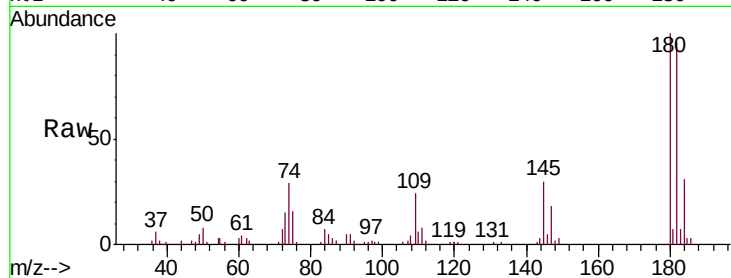




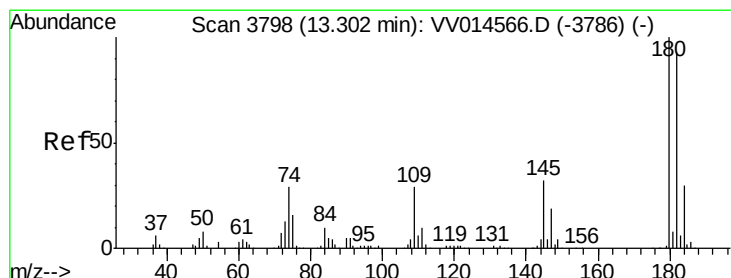
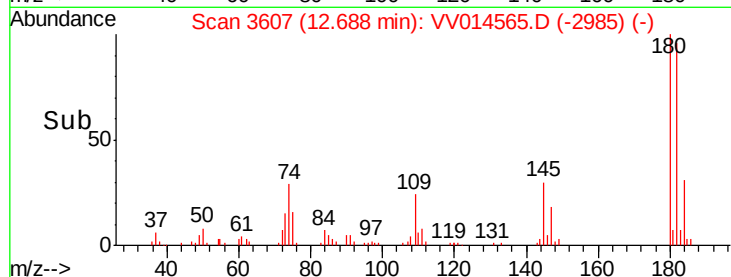
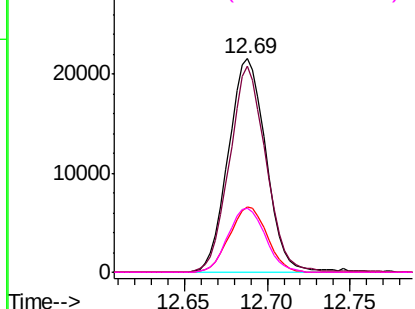
#67
 1,3,5-Trichlorobenzene
 Concen: 11.222 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

Tgt Ion:180 Resp: 34012
 Ion Ratio Lower Upper
 180 100
 182 93.3 77.2 115.8
 184 30.4 24.5 36.7
 145 29.9 25.3 37.9

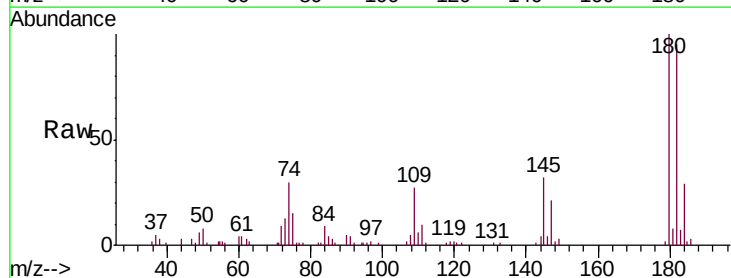


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

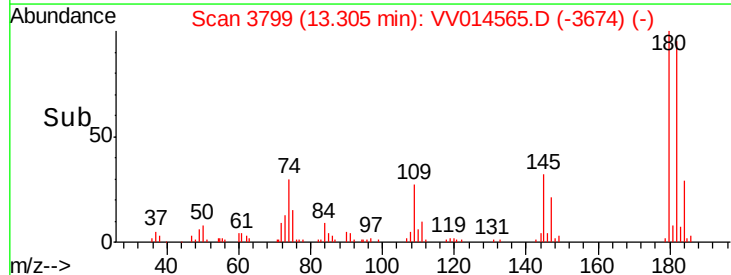
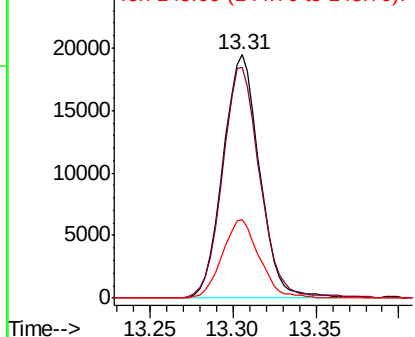


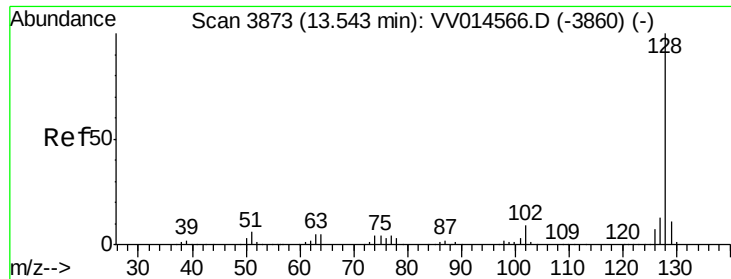
#68
 1,2,4-trichlorobenzene
 Concen: 10.806 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014565.D
 Acq: 12 Feb 2020 11:07

Tgt Ion:180 Resp: 29918
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.2 114.2
 145 32.5 25.8 38.6



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





#69

Naphthalene

Concen: 10.878 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

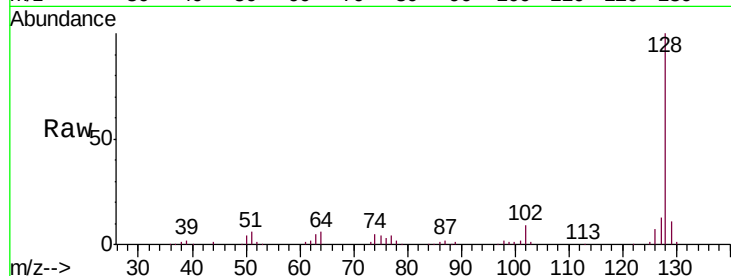
Tgt Ion:128 Resp: 95289

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 11.1 8.6 13.0

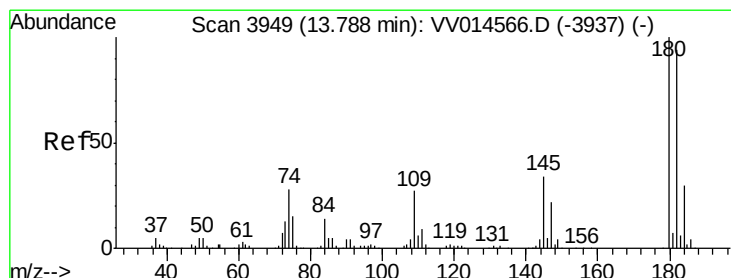
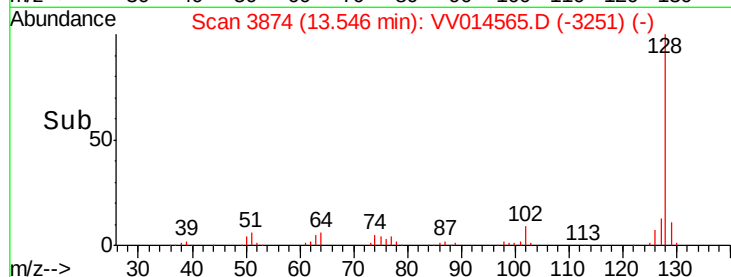
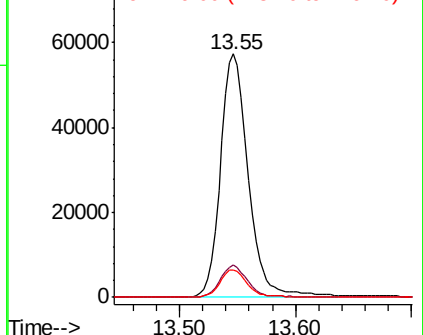


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.855 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014565.D

Acq: 12 Feb 2020 11:07

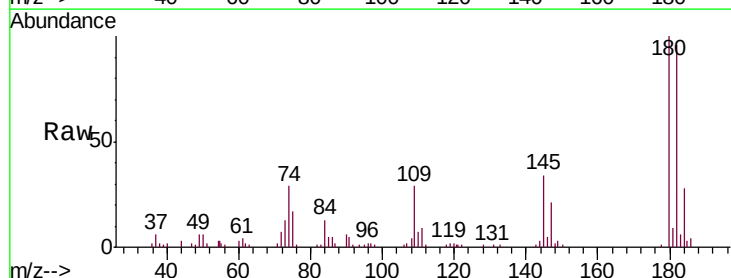
Tgt Ion:180 Resp: 28988

Ion Ratio Lower Upper

180 100

182 93.2 75.2 112.8

145 34.2 27.1 40.7



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

