

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030519\
 Data File : VV009484.D
 Acq On : 05 Mar 2019 10:57
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Quant Time: Mar 05 11:52:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 05 11:49:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173627	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	163232	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77299	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10064	4.61	ug/L	0.00
7) Chloroethane-d5	1.58	69	16379	5.77	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	27067	4.69	ug/L	0.00
20) 2-Butanone-d5	3.96	46	4834	7.35	ug/L	0.02
24) Chloroform-d	4.40	84	20549	4.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	11328	4.86	ug/L	0.00
29) Benzene-d6	5.10	84	39469	4.55	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	11756	4.62	ug/L	0.00
37) Toluene-d8	7.36	98	38067	4.57	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	5130	4.04	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	4026	7.48	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11579	4.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	14293	4.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10097	4.594 ug/L	99
3) Chloromethane	1.25	50	11016	4.722 ug/L	96
5) Vinyl chloride	1.32	62	11899	4.591 ug/L	92
6) Bromomethane	1.53	94	12285	4.407 ug/L	95
8) Chloroethane	1.60	64	14826	6.708 ug/L	99
9) Trichlorofluoromethane	1.77	101	25382	4.857 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13779	4.752 ug/L	95
12) 1,1-Dichloroethene	2.14	96	11737	4.707 ug/L	85
13) Acetone	2.21	43	5896	7.836 ug/L	96
14) Carbon disulfide	2.32	76	28672	4.426 ug/L	97
15) Methyl Acetate	2.47	43	5264	5.295 ug/L	92
16) Methylene chloride	2.54	84	12417	5.280 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	25991	4.790 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	10709	4.942 ug/L	97
19) 1,1-Dichloroethane	3.23	63	19201	4.987 ug/L	98
21) 2-Butanone	4.05	43	5663	6.040 ug/L	76
22) cis-1,2-Dichloroethene	3.97	96	11964	4.910 ug/L	89
23) Bromochloromethane	4.30	128	5414	4.951 ug/L	90
25) Chloroform	4.43	83	20891	4.986 ug/L	99
27) 1,2-Dichloroethane	5.18	62	14358	4.954 ug/L	100
30) Cyclohexane	4.73	56	18257	4.722 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	19176	4.946 ug/L	# 83
32) Carbon tetrachloride	4.88	117	14952	4.522 ug/L	99
34) Benzene	5.15	78	42480	4.668 ug/L	100
35) Trichloroethene	5.96	95	12139	4.818 ug/L	96
36) Methylcyclohexane	6.18	83	19520	4.438 ug/L	96
40) 1,2-Dichloropropane	6.22	63	11677	5.165 ug/L	99
41) Bromodichloromethane	6.56	83	14857	4.621 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	15867	4.417 ug/L	94
43) 4-Methyl-2-pentanone	7.28	43	15622	9.664 ug/L	97

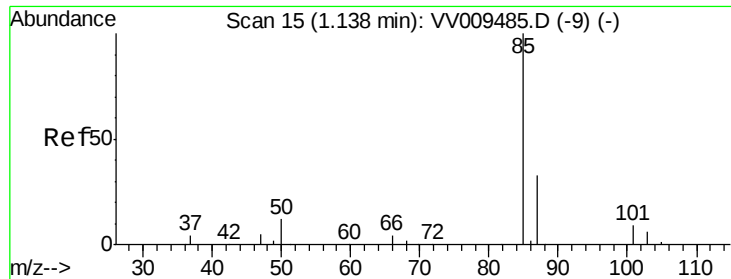
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030519\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	48642	4.779	ug/L	96
45) trans-1,3-Dichloropropene	7.69	75	13380	4.108	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	8596	4.603	ug/L	94
47) Tetrachloroethene	8.02	164	9645	5.169	ug/L	97
49) 2-Hexanone	8.19	43	11853	8.782	ug/L	93
50) Dibromochloromethane	8.29	129	10555	4.518	ug/L	92
51) 1,2-Dibromoethane	8.40	107	8625	4.588	ug/L	94
52) Chlorobenzene	8.93	112	31874	4.834	ug/L	97
53) Ethylbenzene	9.06	91	57480	4.937	ug/L	92
54) m,p-Xylene	9.18	106	20476	4.515	ug/L	90
55) o-xylene	9.59	106	20217	4.702	ug/L	99
56) Styrene	9.61	104	32099	4.451	ug/L	98
57) Isopropylbenzene	9.98	105	56000	4.767	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	12116	4.771	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	8377	4.631	ug/L	99
62) Bromoform	9.78	173	5608	4.041	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	25291	5.097	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	25720	5.193	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	23137	4.963	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	1823	3.960	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	18263	5.213	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	12855	4.726	ug/L	95
69) Naphthalene	13.55	128	23096	4.194	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	11783	4.674	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.594 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

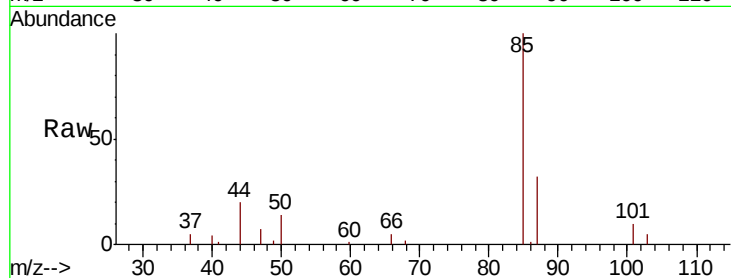
VSTD00561

Tgt Ion: 85 Resp: 10097

Ion Ratio Lower Upper

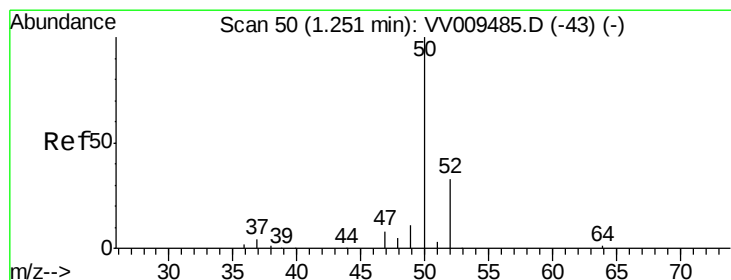
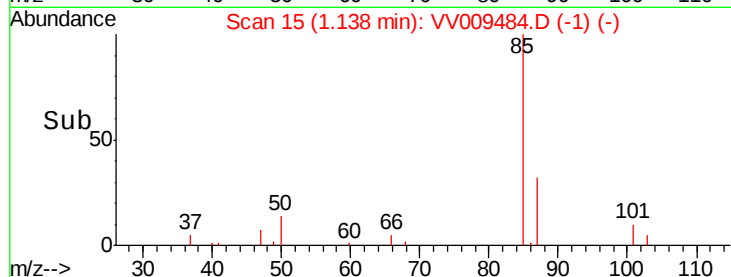
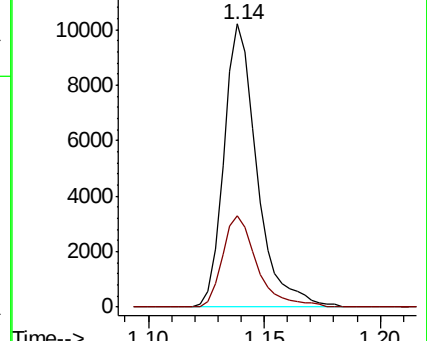
85 100

87 33.8 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009485.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009485.D (-9) (-)



#3

Chloromethane

Concen: 4.722 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009484.D

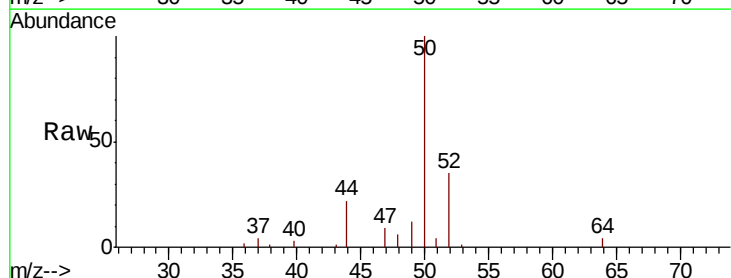
Acq: 05 Mar 2019 10:57

Tgt Ion: 50 Resp: 11016

Ion Ratio Lower Upper

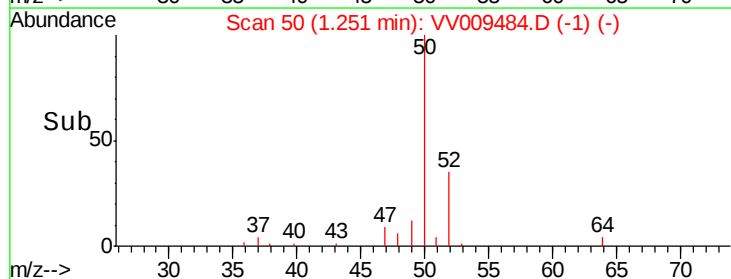
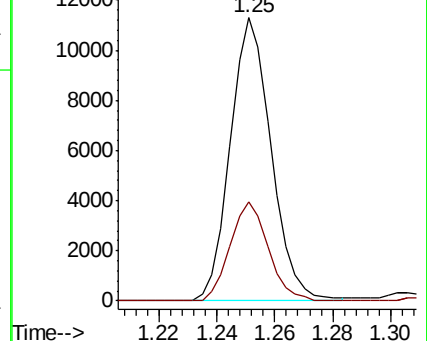
50 100

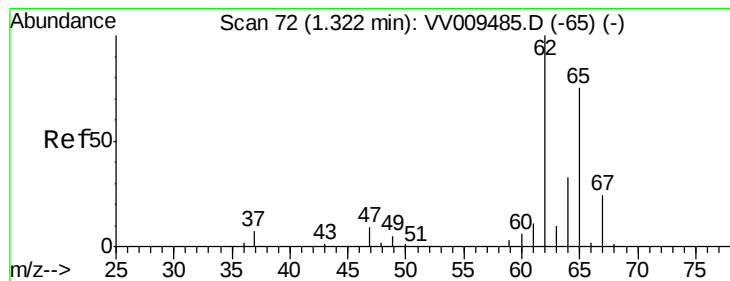
52 35.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009485.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009485.D (-43) (-)





#5

Vinyl chloride

Concen: 4.591 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

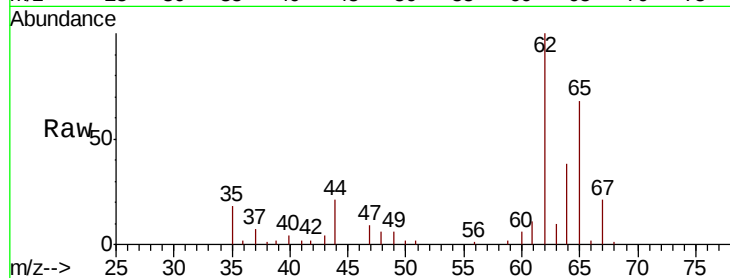
VSTD00561

Tgt Ion: 62 Resp: 11899

Ion Ratio Lower Upper

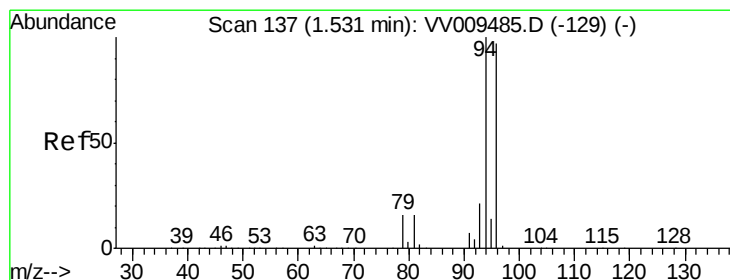
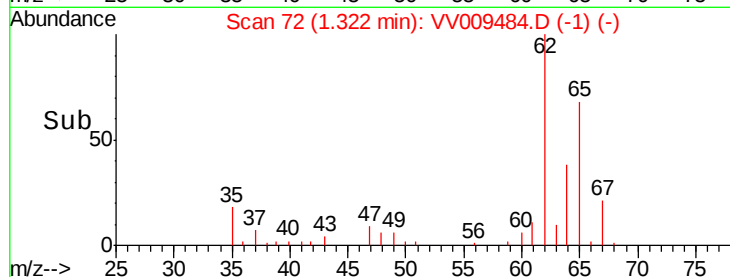
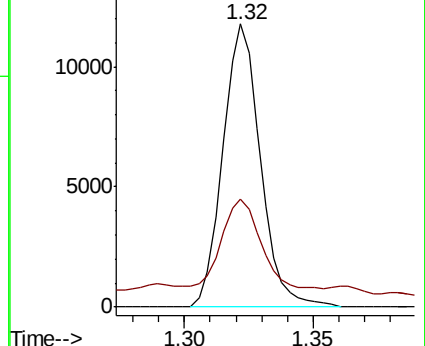
62 100

64 38.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 4.407 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009484.D

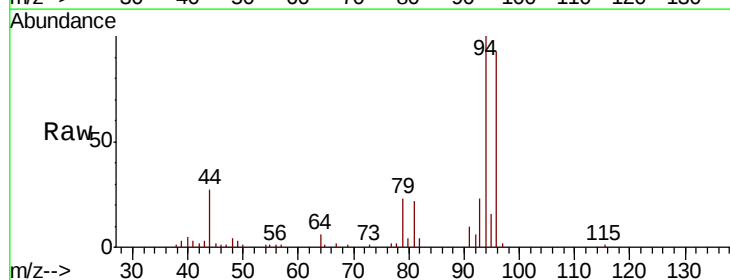
Acq: 05 Mar 2019 10:57

Tgt Ion: 94 Resp: 12285

Ion Ratio Lower Upper

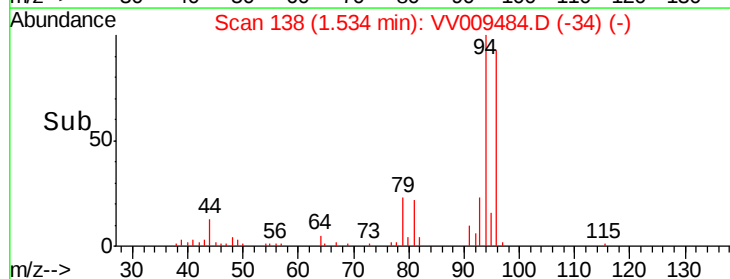
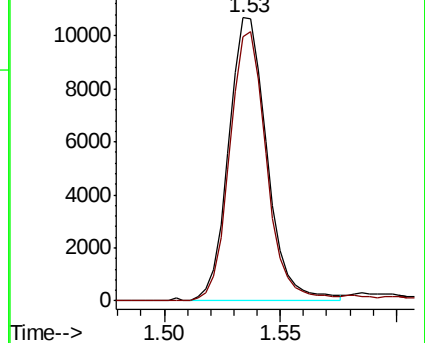
94 100

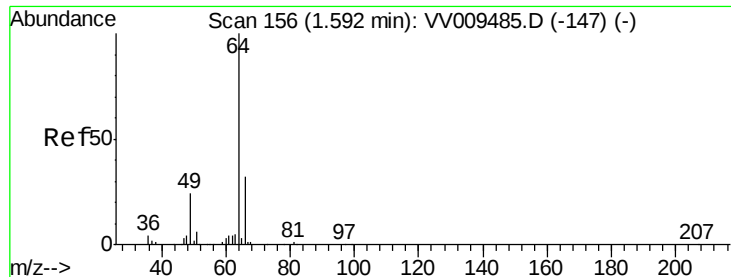
96 91.0 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 6.708 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

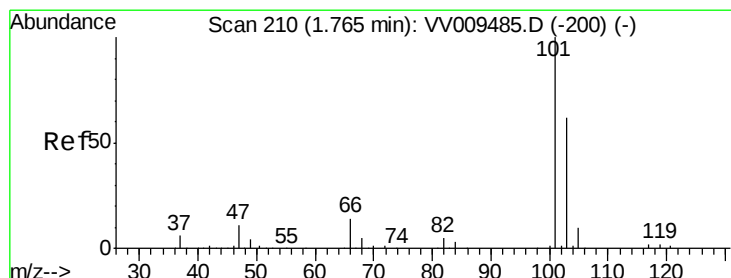
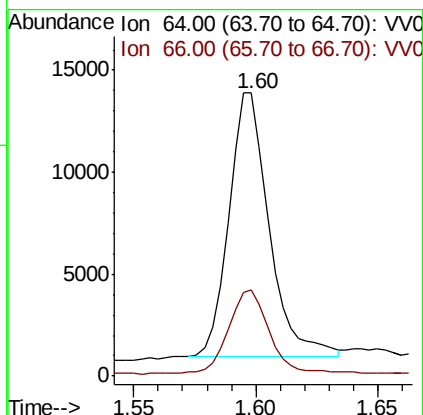
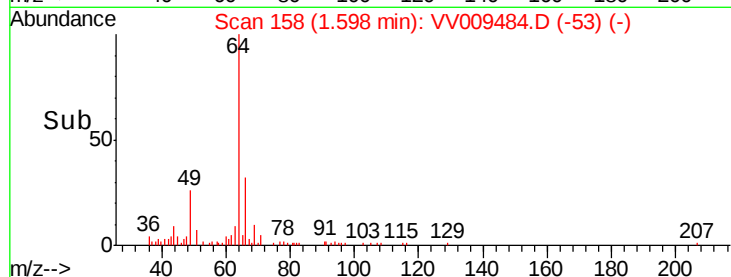
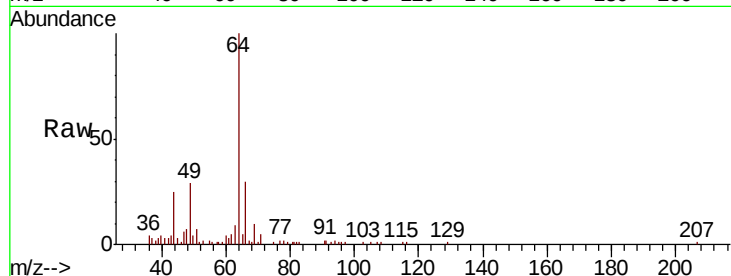
VSTD00561

Tgt Ion: 64 Resp: 14826

Ion Ratio Lower Upper

64 100

66 30.4 21.8 40.6



#9

Trichlorofluoromethane

Concen: 4.857 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV009484.D

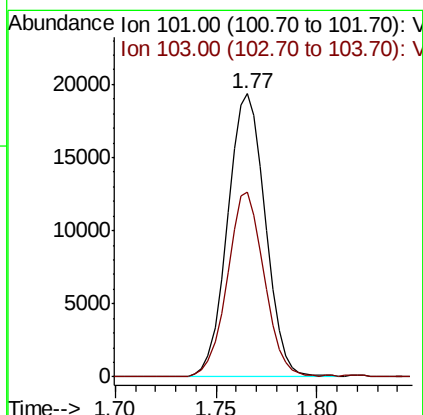
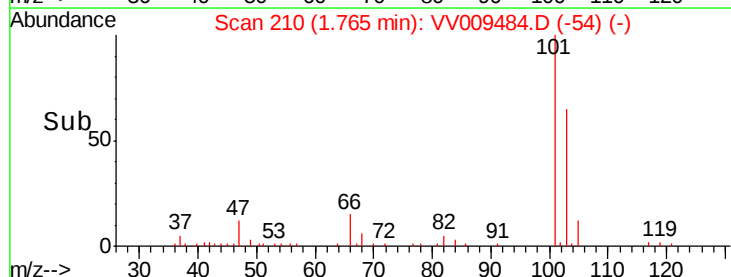
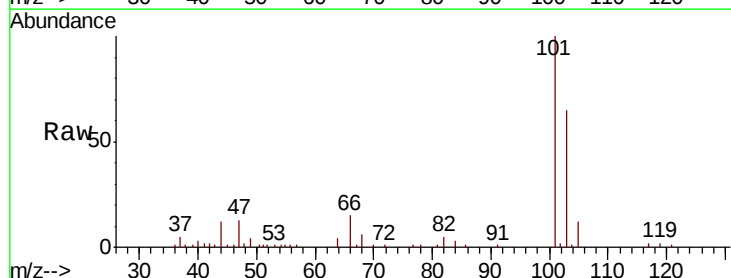
Acq: 05 Mar 2019 10:57

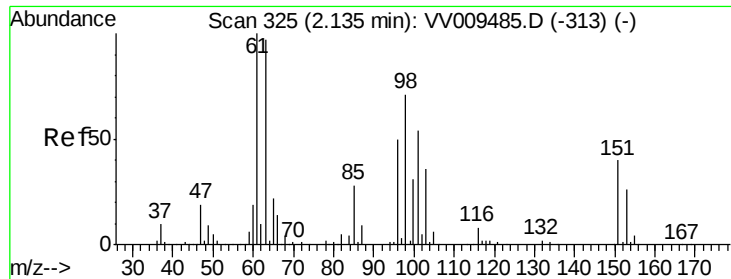
Tgt Ion: 101 Resp: 25382

Ion Ratio Lower Upper

101 100

103 63.8 44.7 83.1





#11

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

Concen: 4.752 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

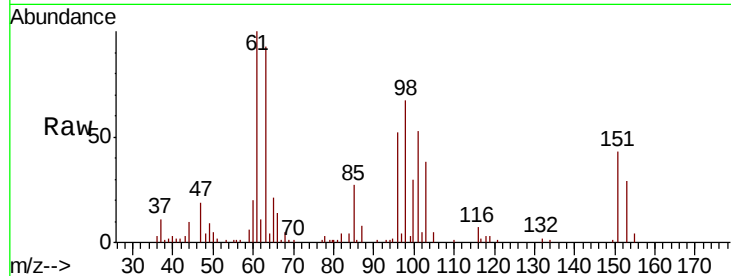
Tgt Ion:101 Resp: 13779

Ion Ratio Lower Upper

101 100

85 51.8 40.1 60.1

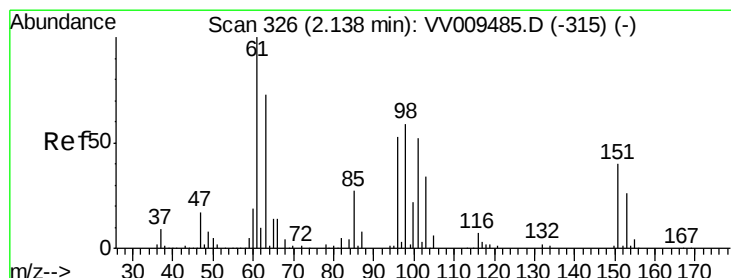
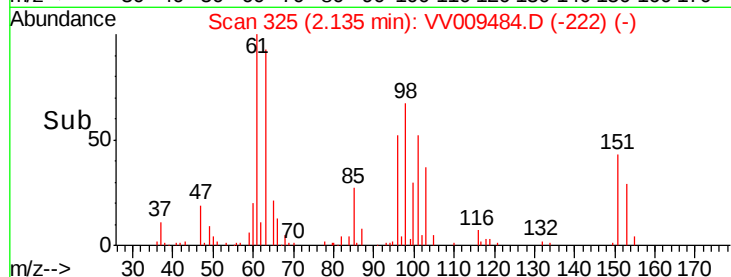
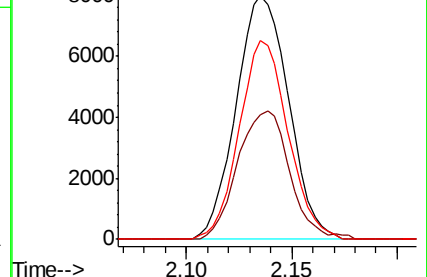
151 76.1 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009484.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009484.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009484.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 4.707 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

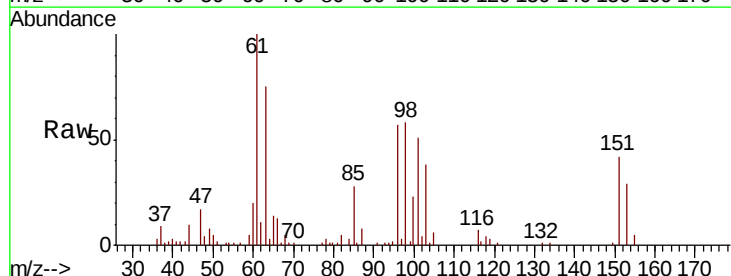
Tgt Ion: 96 Resp: 11737

Ion Ratio Lower Upper

96 100

61 176.6 136.9 254.3

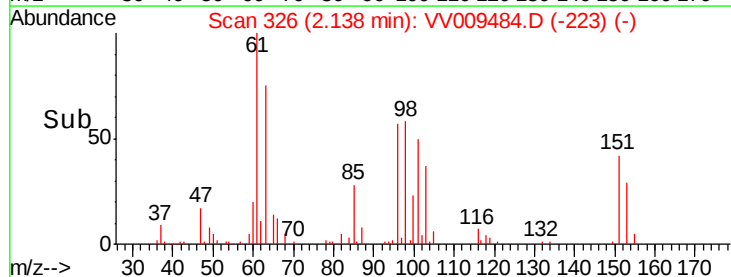
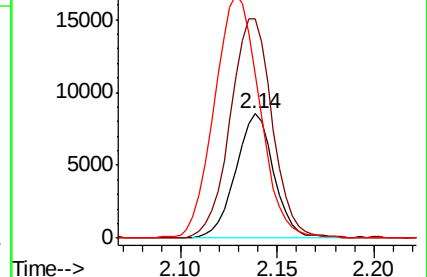
63 132.4 108.7 201.9

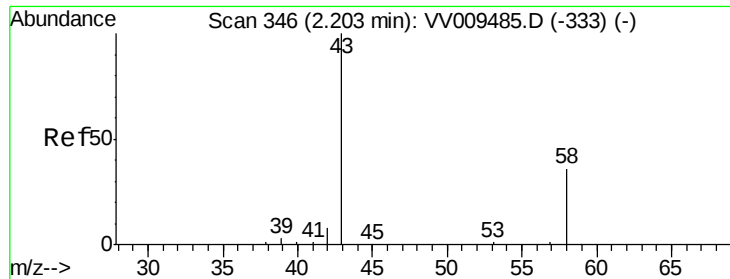


Abundance Ion 96.00 (95.70 to 96.70): VV009484.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009484.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009484.D (-223) (-)





#13

Acetone

Concen: 7.836 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

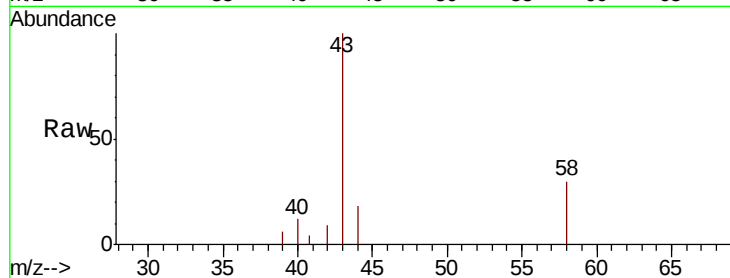
VSTD00561

Tgt Ion: 43 Resp: 5896

Ion Ratio Lower Upper

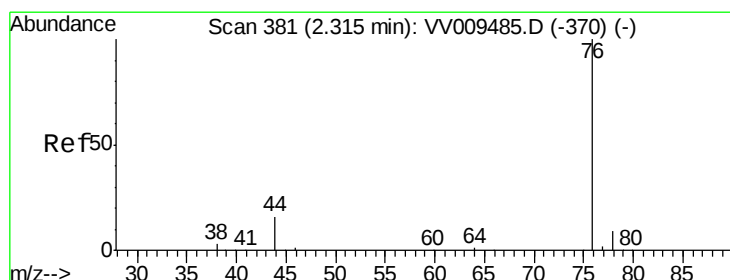
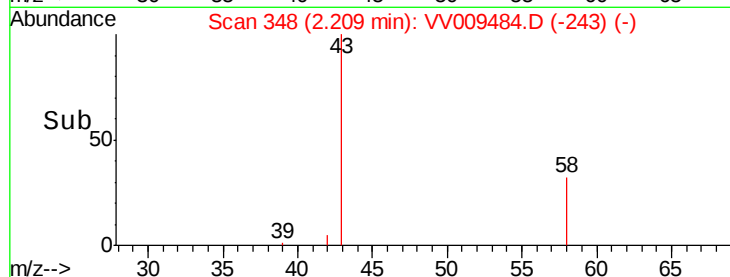
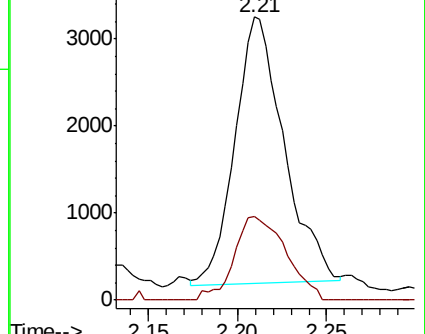
43 100

58 32.0 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009485.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV009485.D (-333) (-)



#14

Carbon disulfide

Concen: 4.426 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009484.D

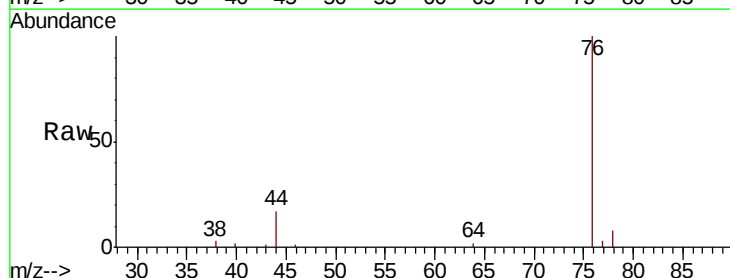
Acq: 05 Mar 2019 10:57

Tgt Ion: 76 Resp: 28672

Ion Ratio Lower Upper

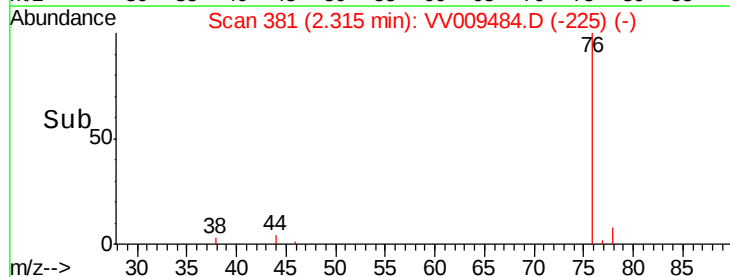
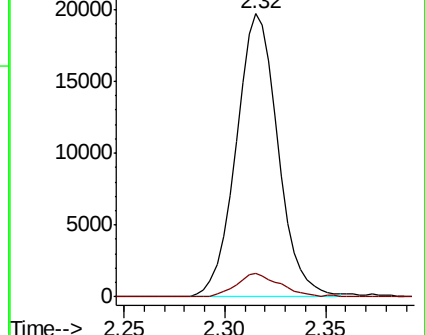
76 100

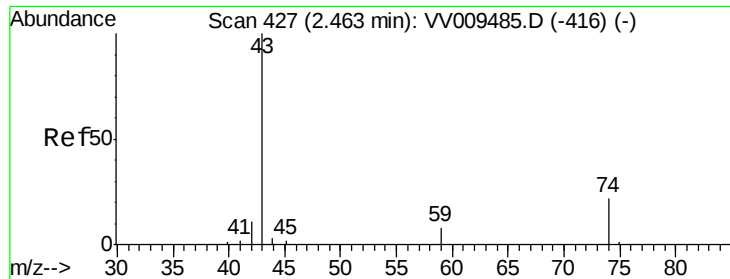
78 8.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009485.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009485.D (-370) (-)

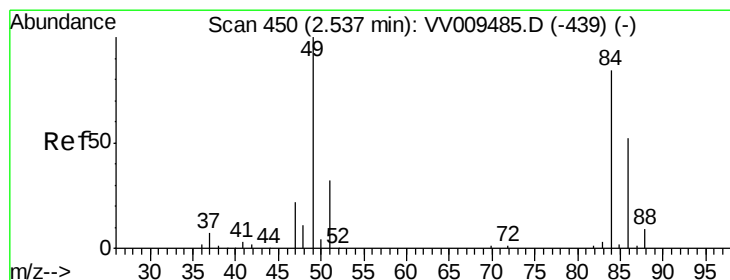
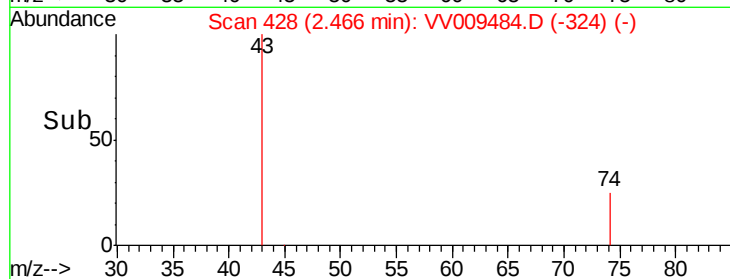
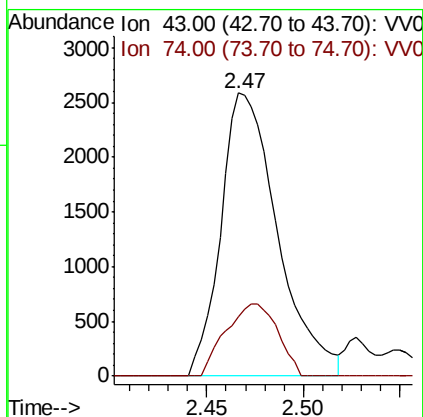
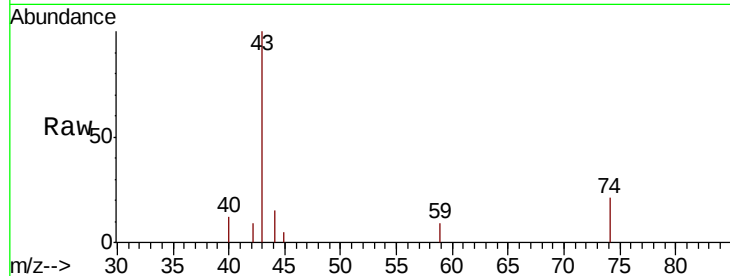




#15
Methyl Acetate
Concen: 5.295 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV009484.D
Acq: 05 Mar 2019 10:57

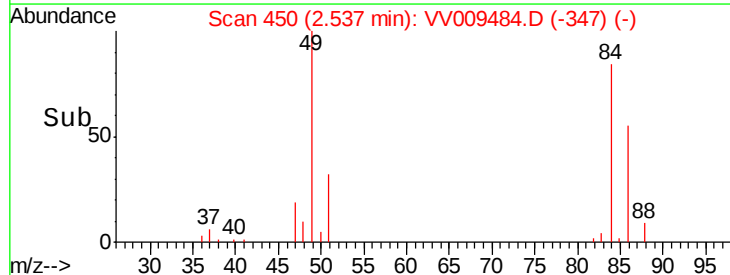
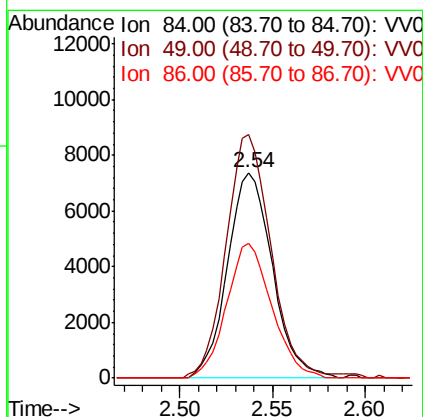
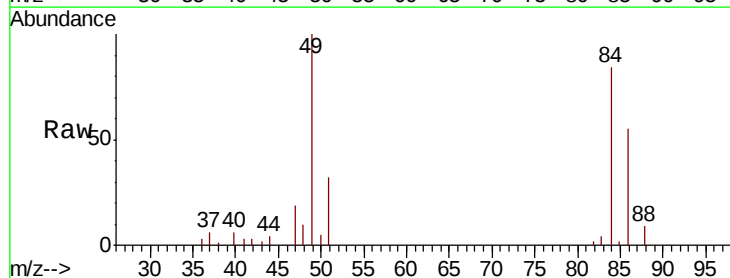
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

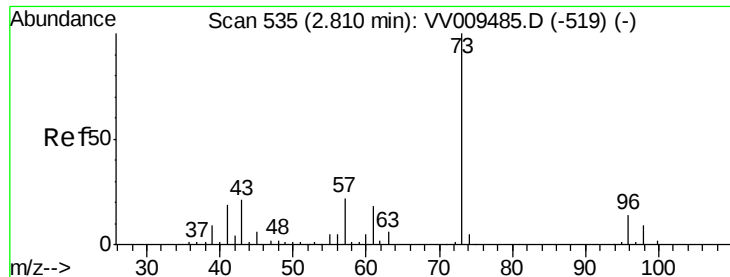
Tgt Ion: 43 Resp: 5264
Ion Ratio Lower Upper
43 100
74 23.3 21.8 32.8



#16
Methylene chloride
Concen: 5.280 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009484.D
Acq: 05 Mar 2019 10:57

Tgt Ion: 84 Resp: 12417
Ion Ratio Lower Upper
84 100
49 118.6 84.6 157.0
86 65.4 46.1 85.7

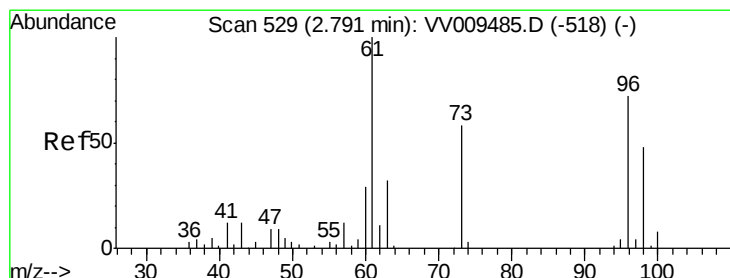
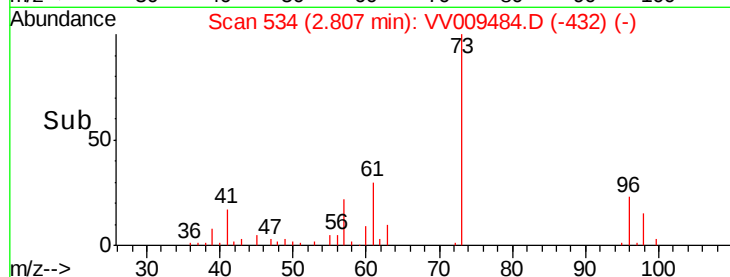
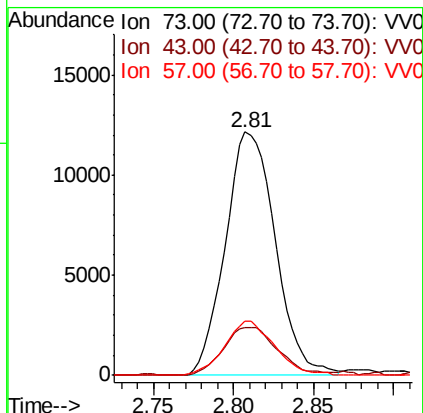
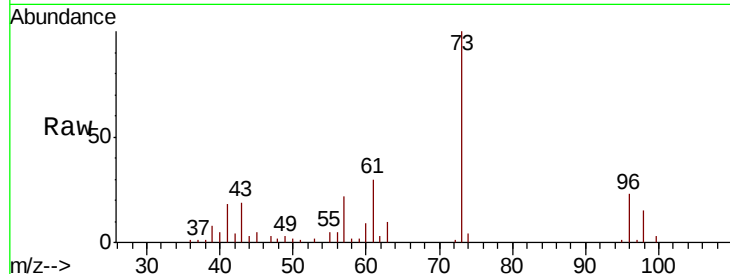




#17
Methyl tert-butyl Ether
Concen: 4.790 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009484.D
Acq: 05 Mar 2019 10:57

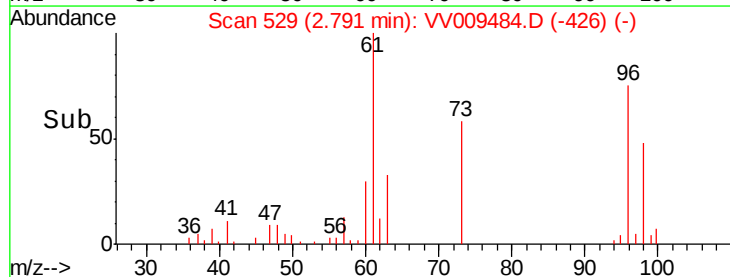
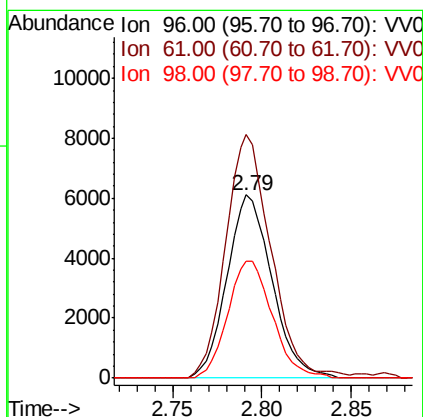
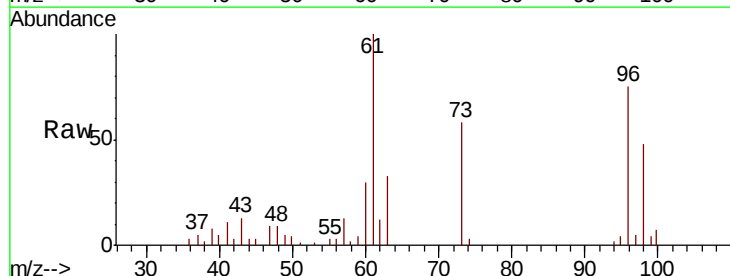
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

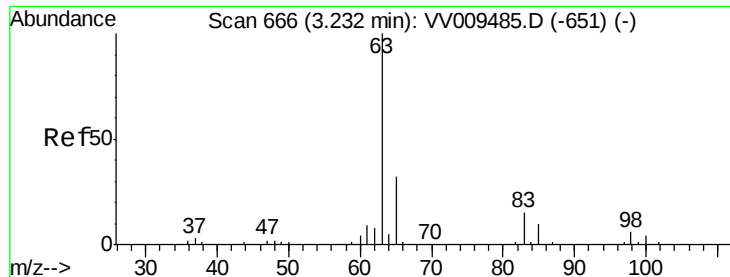
Tgt Ion: 73 Resp: 25991
Ion Ratio Lower Upper
73 100
43 21.1 15.0 22.4
57 22.2 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 4.942 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV009484.D
Acq: 05 Mar 2019 10:57

Tgt Ion: 96 Resp: 10709
Ion Ratio Lower Upper
96 100
61 132.8 95.6 177.6
98 63.9 44.0 81.6

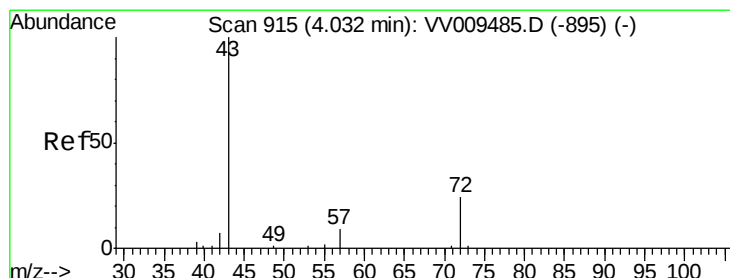
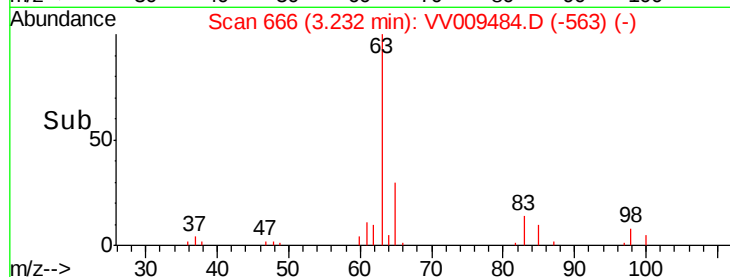
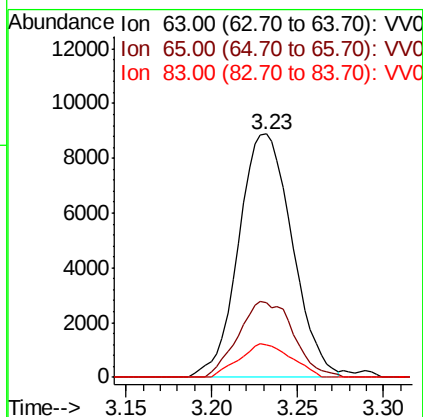
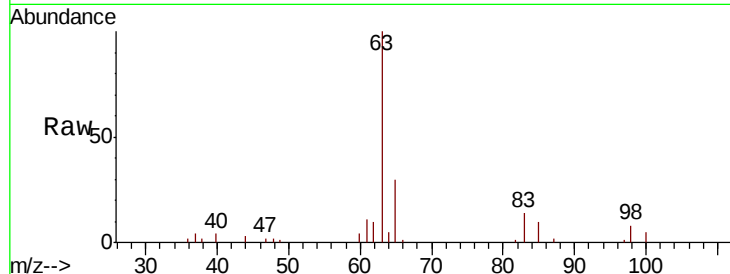




#19
 1,1-Dichloroethane
 Concen: 4.987 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

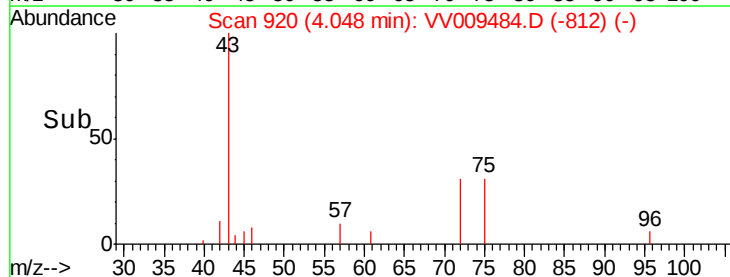
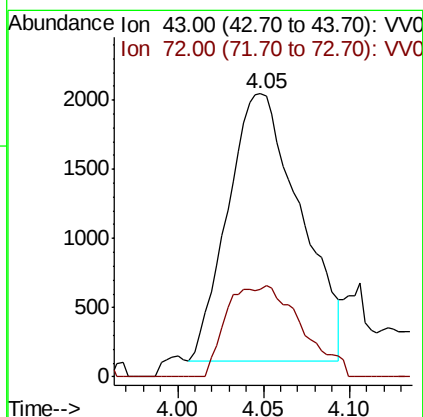
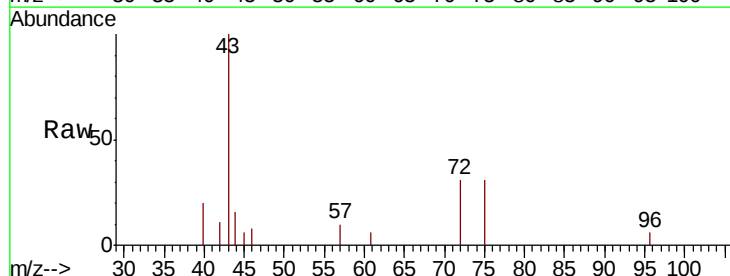
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

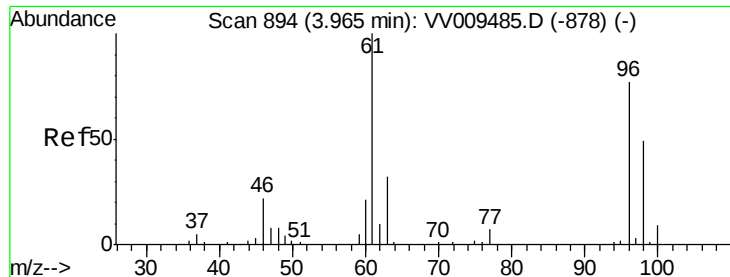
Tgt Ion: 63 Resp: 19201
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.1 41.1
 83 13.6 10.2 19.0



#21
 2-Butanone
 Concen: 6.040 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.02 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Tgt Ion: 43 Resp: 5663
 Ion Ratio Lower Upper
 43 100
 72 14.7 13.7 41.0



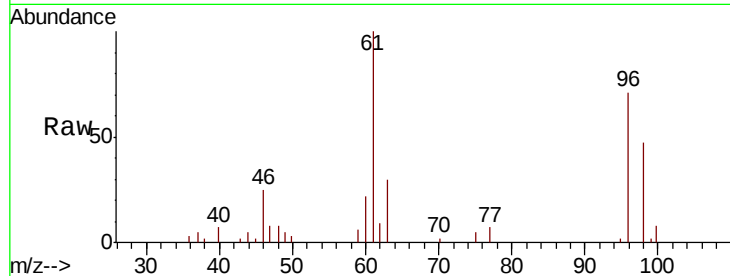


#22

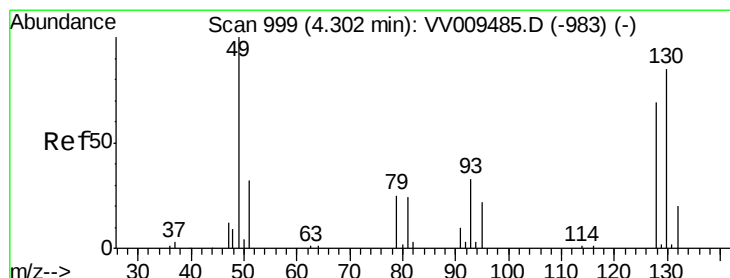
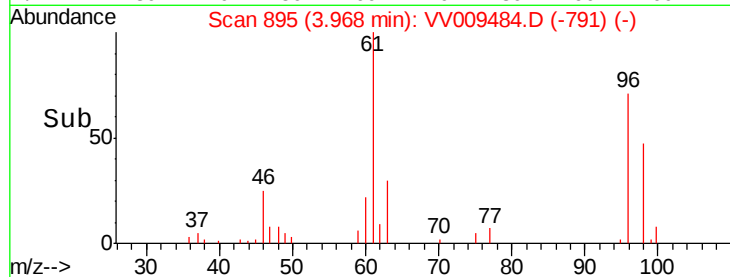
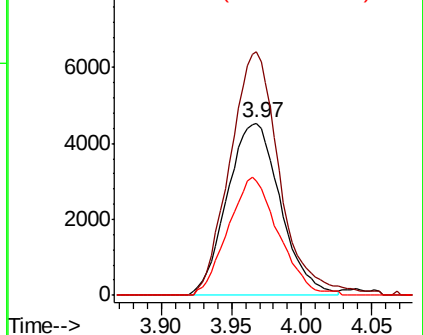
cis-1,2-Dichloroethene
 Concen: 4.910 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tgt Ion: 96 Resp: 11964
 Ion Ratio Lower Upper
 96 100
 61 141.1 87.2 161.9
 98 66.3 44.6 82.8



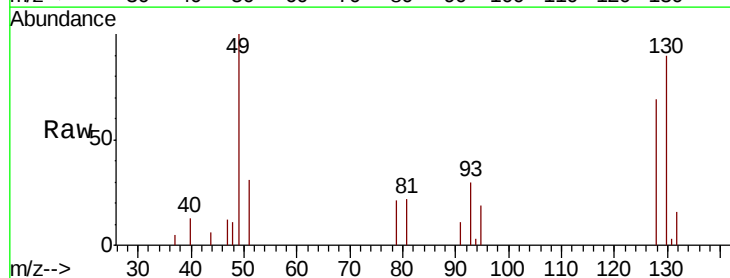
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



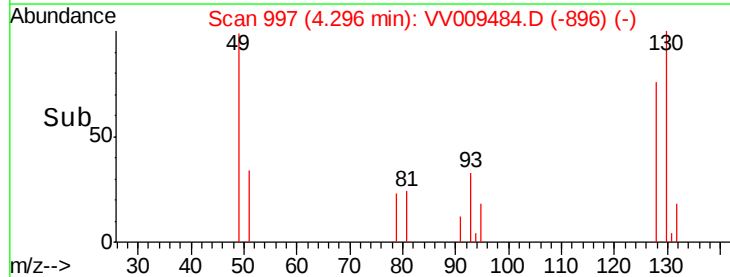
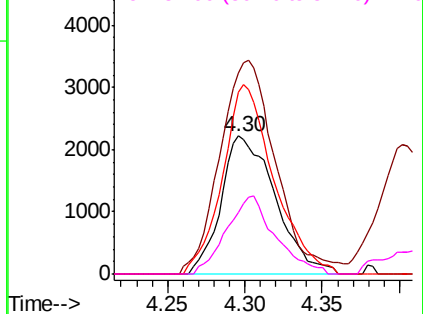
#23

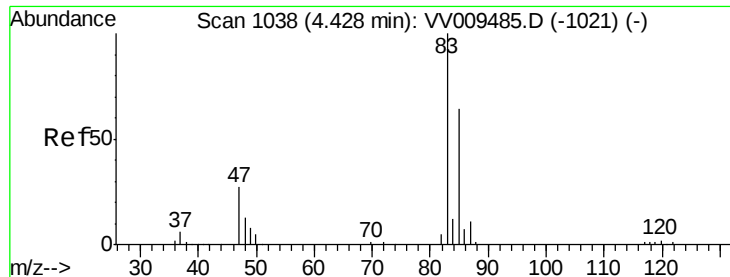
Bromochloromethane
 Concen: 4.951 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Tgt Ion: 128 Resp: 5414
 Ion Ratio Lower Upper
 128 100
 49 145.4 115.5 214.5
 130 136.3 92.6 172.0
 51 44.9 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

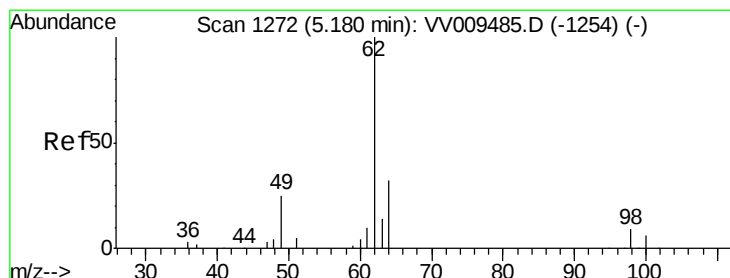
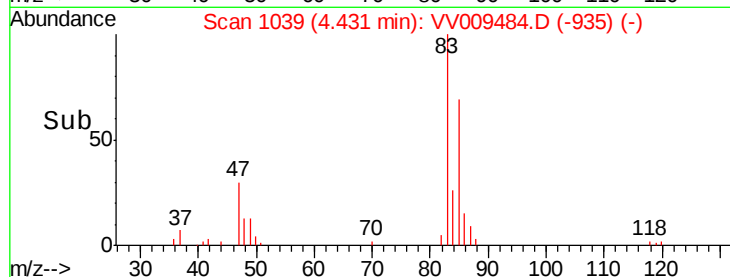
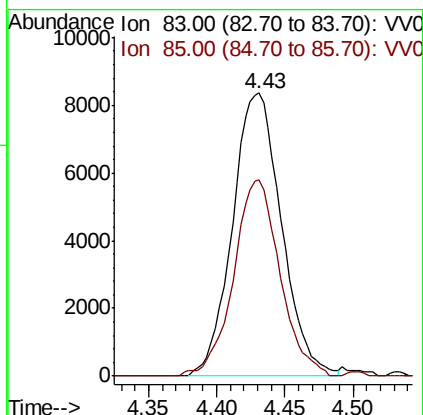
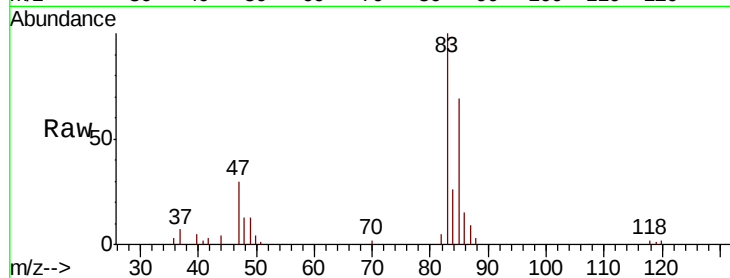




#25
Chloroform
Concen: 4.986 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009484.D
Acq: 05 Mar 2019 10:57

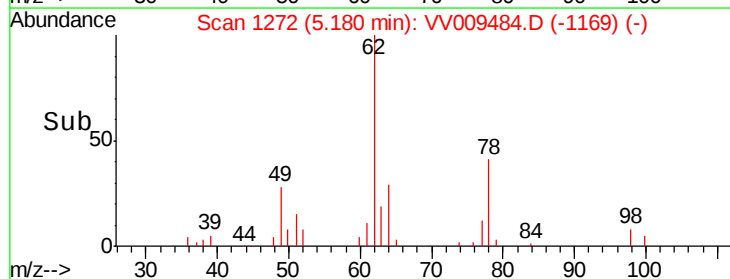
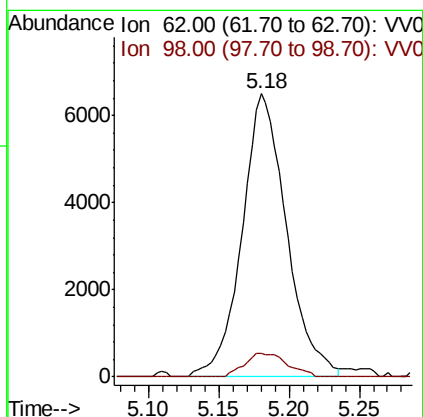
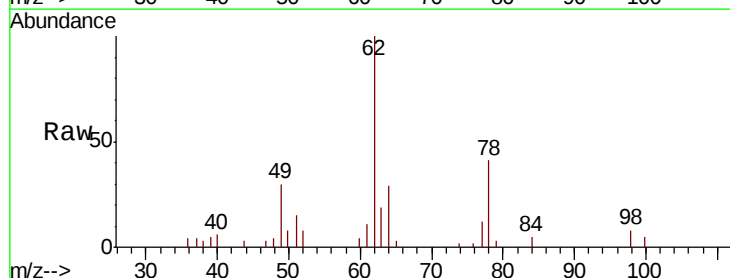
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

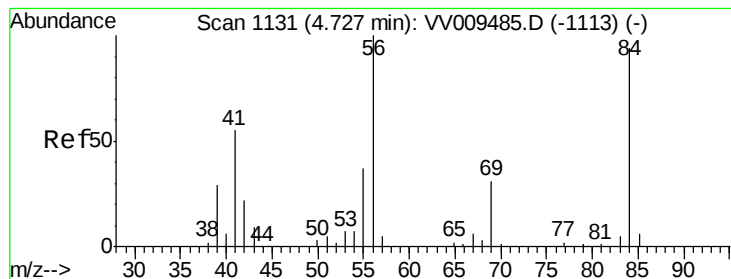
Tgt Ion: 83 Resp: 20891
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.954 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009484.D
Acq: 05 Mar 2019 10:57

Tgt Ion: 62 Resp: 14358
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0





#30

Cyclohexane

Concen: 4.722 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

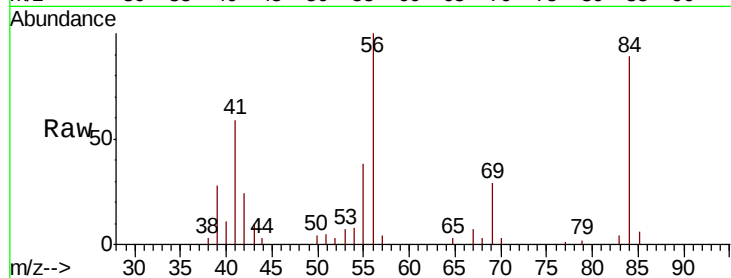
Tgt Ion: 56 Resp: 18257

Ion Ratio Lower Upper

56 100

69 30.0 24.9 37.3

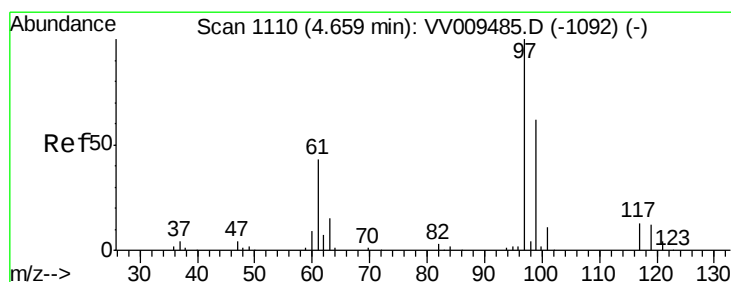
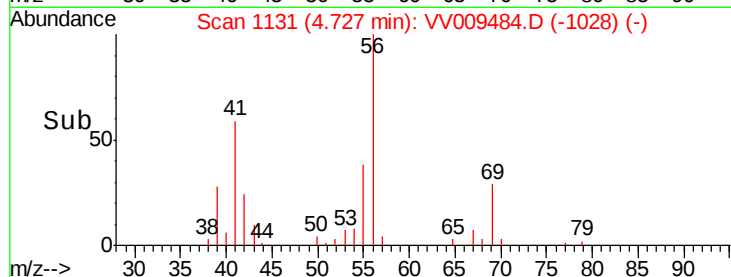
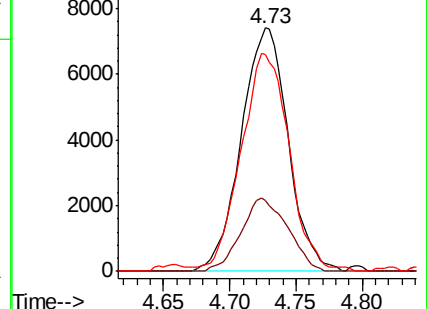
84 89.2 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VV009485.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VV009485.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VV009485.D (-1113) (-)



#31

1,1,1-Trichloroethane

Concen: 4.946 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

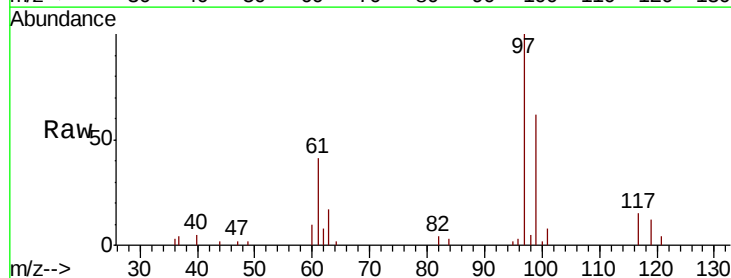
Tgt Ion: 97 Resp: 19176

Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.4

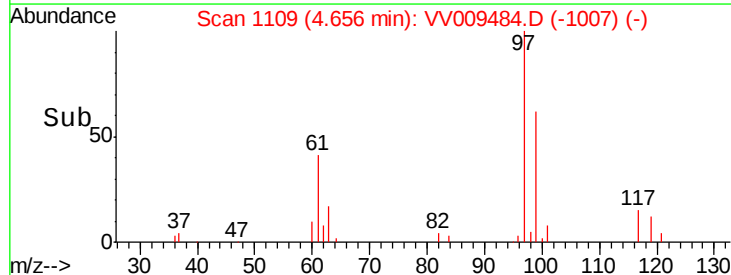
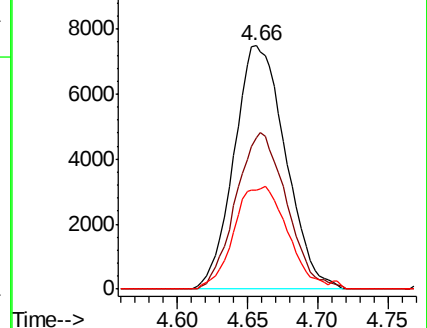
61 19.8 36.1 54.1#

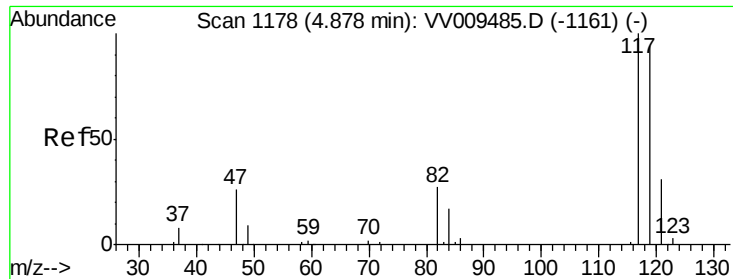


Abundance Ion 97.00 (96.70 to 97.70): VV009485.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009485.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV009485.D (-1092) (-)





#32

Carbon tetrachloride

Concen: 4.522 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

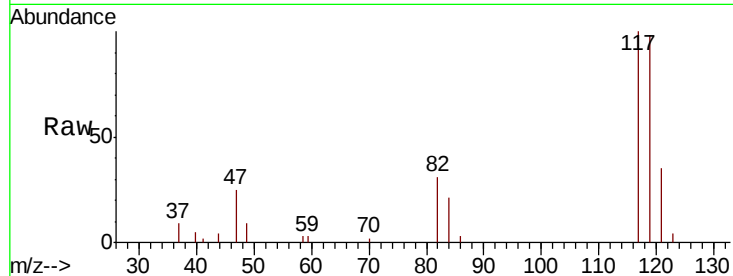
VSTD00561

Tgt Ion:117 Resp: 14952

Ion Ratio Lower Upper

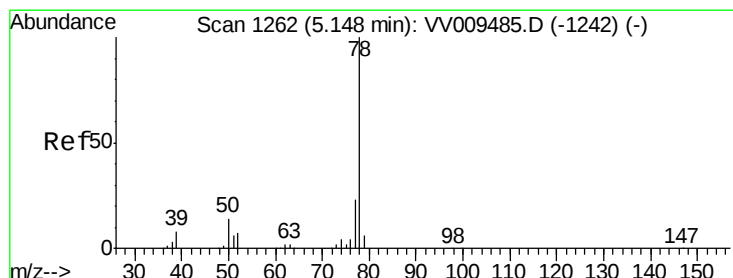
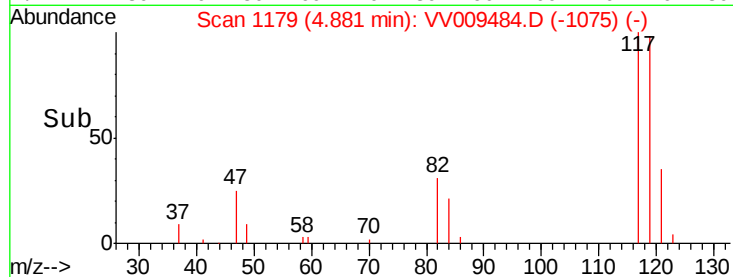
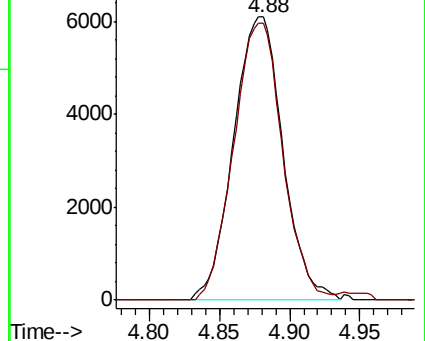
117 100

119 97.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 4.668 ug/L

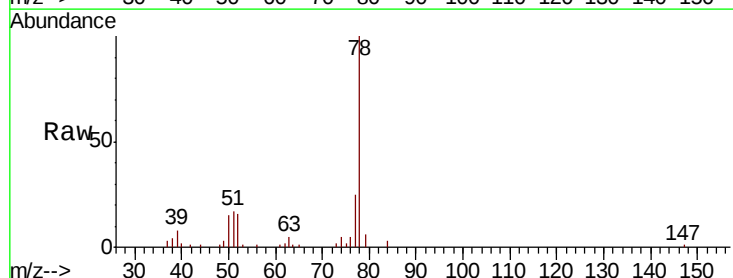
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

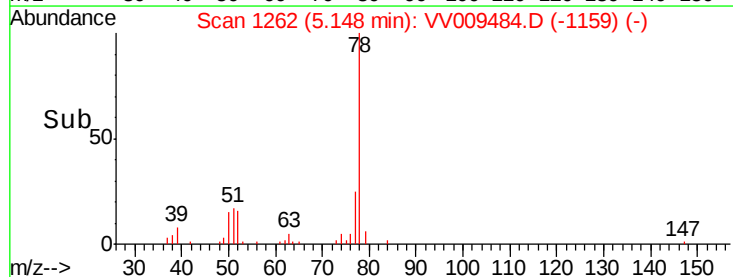
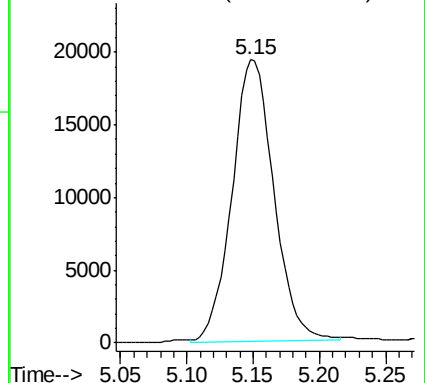
Lab File: VV009484.D

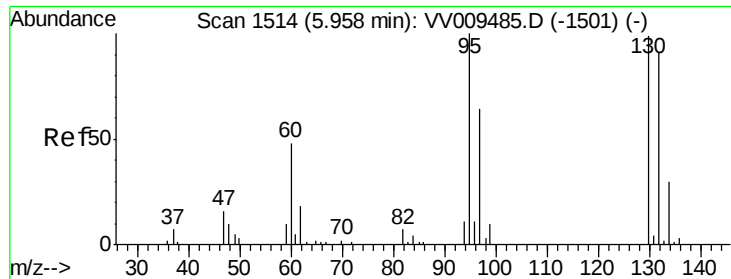
Acq: 05 Mar 2019 10:57

Tgt Ion: 78 Resp: 42480



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 4.818 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

Tgt Ion: 95 Resp: 12139

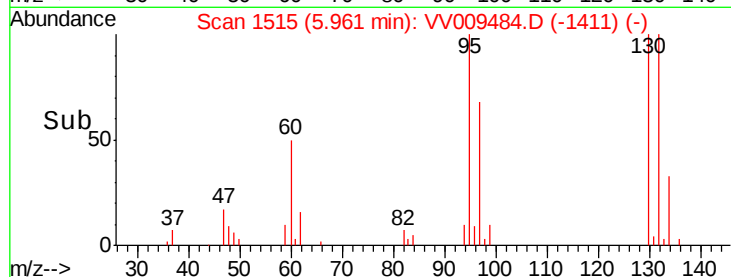
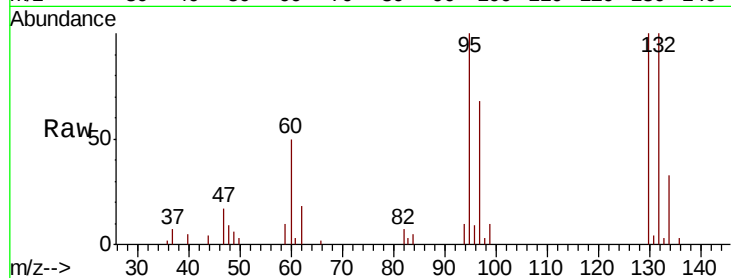
Ion Ratio Lower Upper

95 100

97 64.9 44.3 82.3

132 96.5 64.4 119.6

130 95.0 69.4 128.8

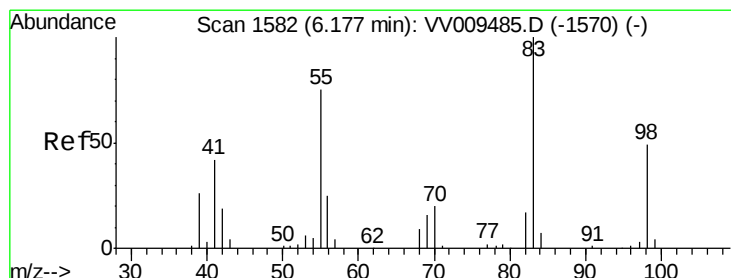
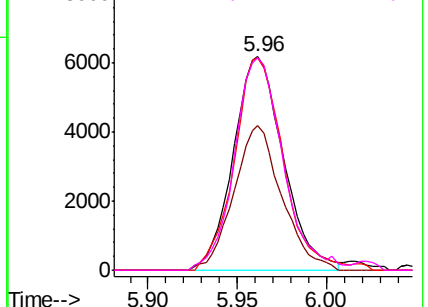


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.438 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

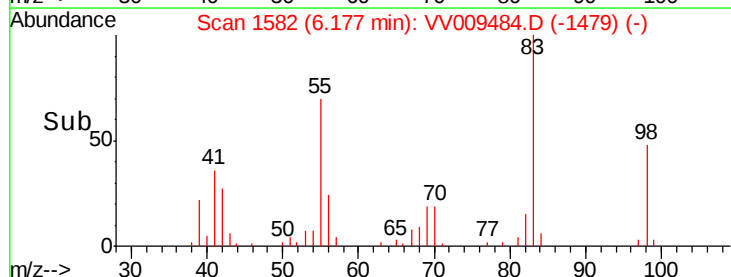
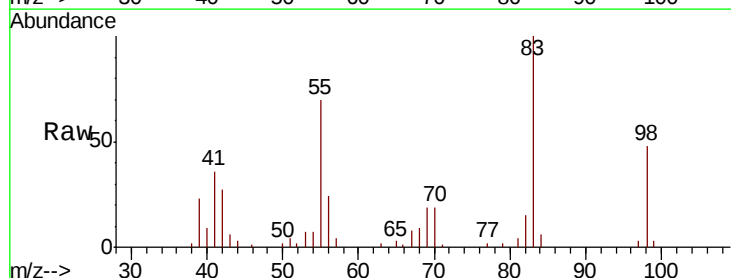
Tgt Ion: 83 Resp: 19520

Ion Ratio Lower Upper

83 100

55 75.7 58.8 88.2

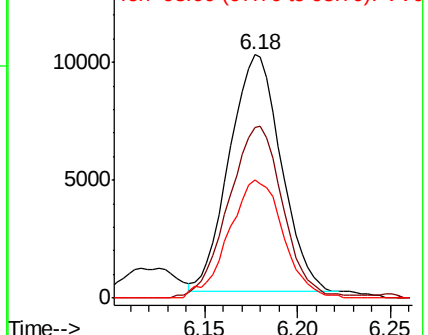
98 52.1 37.7 56.5

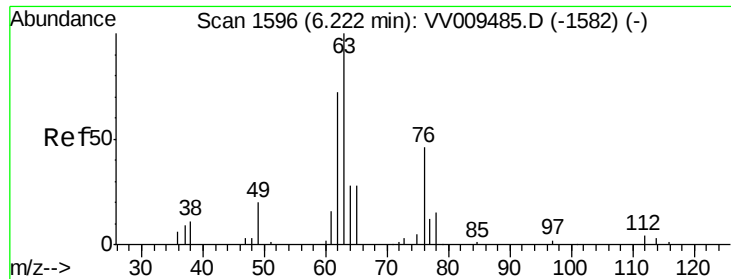


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

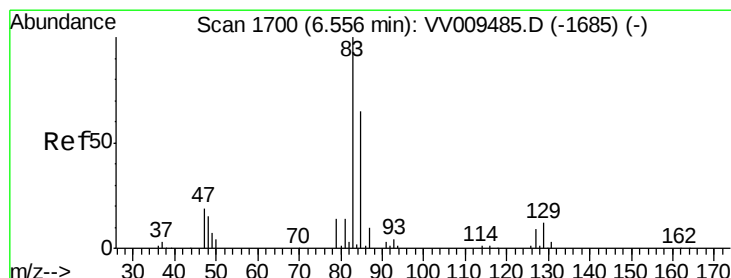
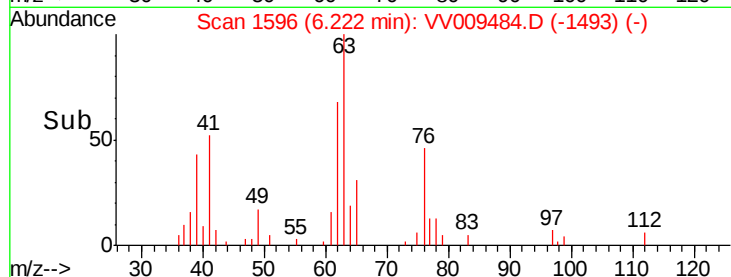
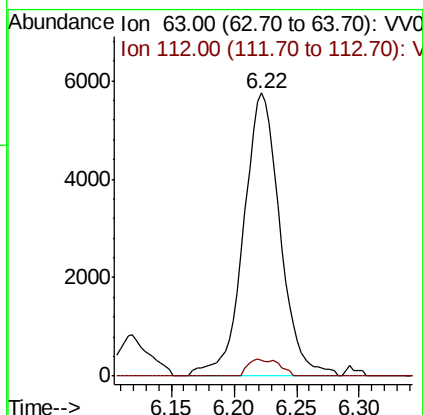
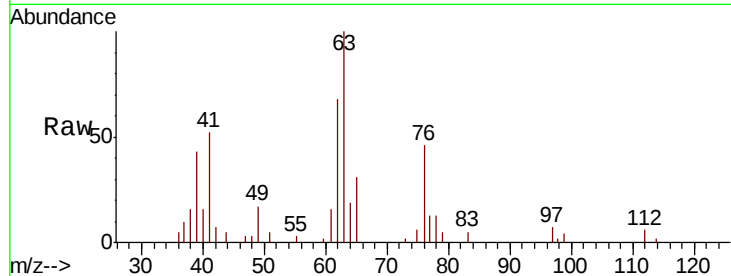




#40
 1,2-Dichloropropane
 Concen: 5.165 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

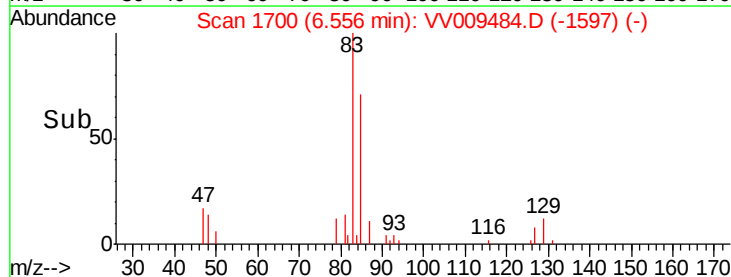
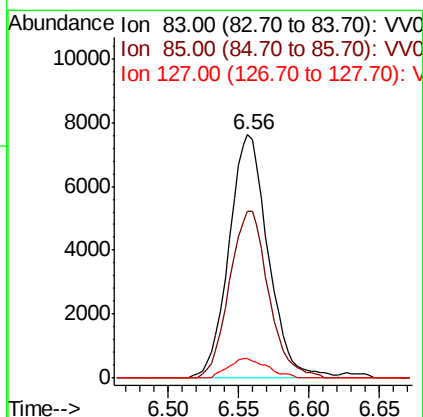
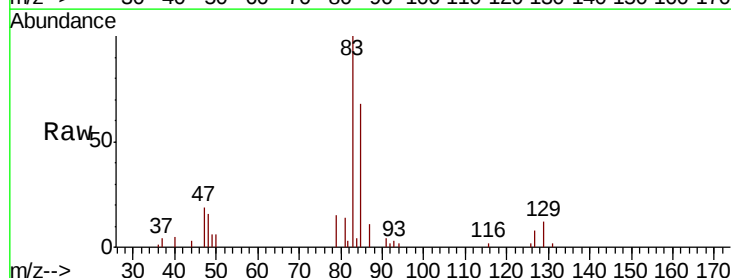
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

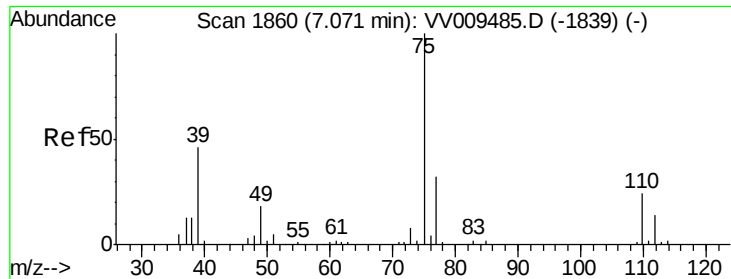
Tgt Ion: 63 Resp: 11677
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.0 4.4



#41
 Bromodichloromethane
 Concen: 4.621 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Tgt Ion: 83 Resp: 14857
 Ion Ratio Lower Upper
 83 100
 85 68.4 46.5 86.3
 127 7.9 7.2 10.8



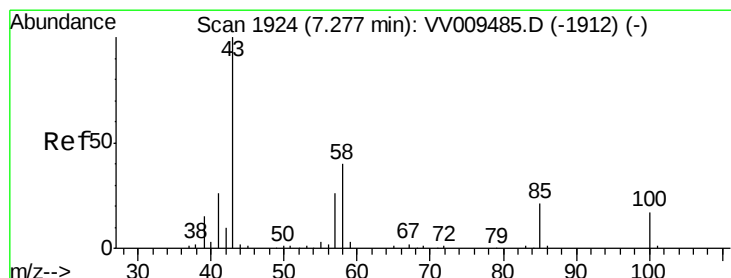
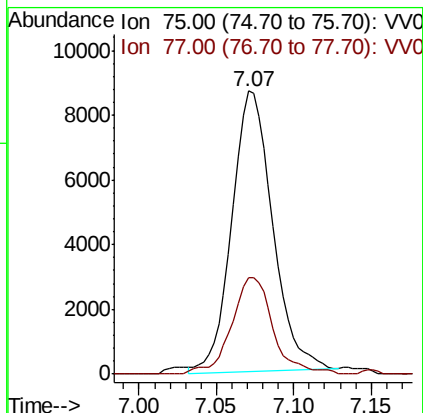
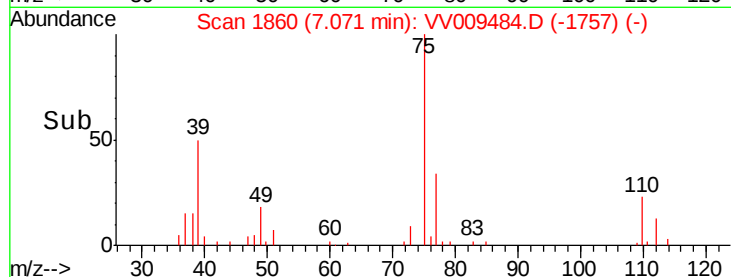
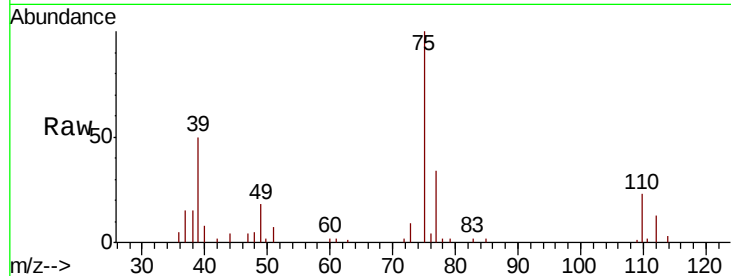


#42

cis-1,3-Dichloropropene
 Concen: 4.417 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

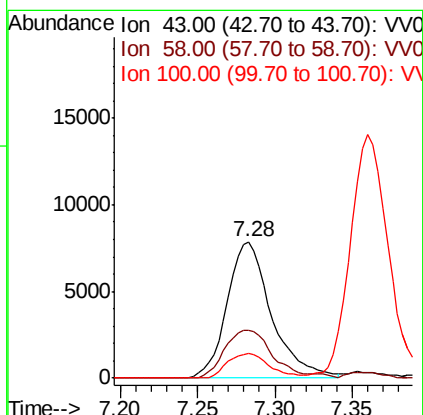
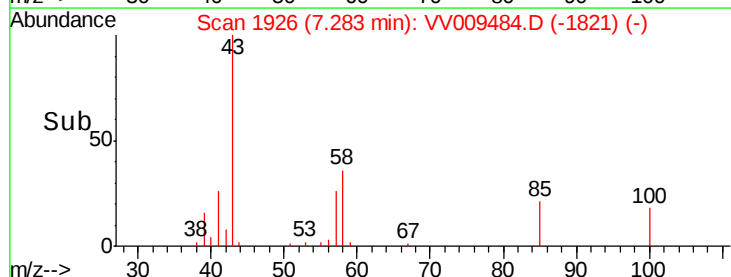
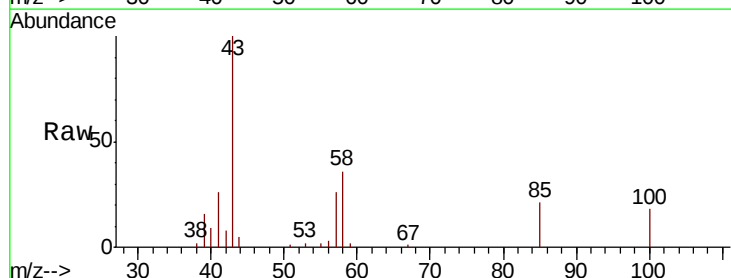
Tgt Ion: 75 Resp: 15867
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.4 39.8

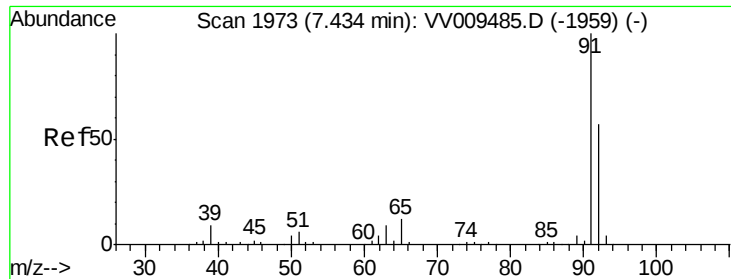


#43

4-Methyl-2-pentanone
 Concen: 9.664 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Tgt Ion: 43 Resp: 15622
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.9 47.9
 100 17.3 12.8 19.2





#44

Toluene

Concen: 4.779 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

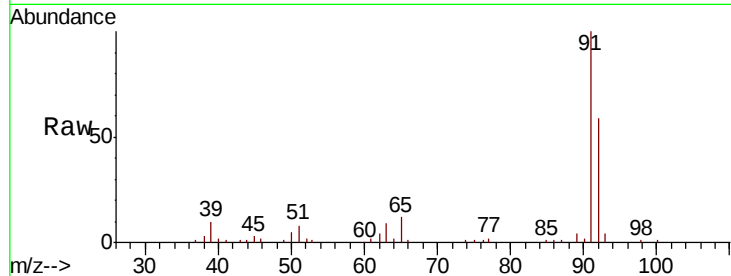
VSTD00561

Tgt Ion: 91 Resp: 48642

Ion Ratio Lower Upper

91 100

92 59.4 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009485.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009485.D (-1959) (-)

7.43

30000

25000

20000

15000

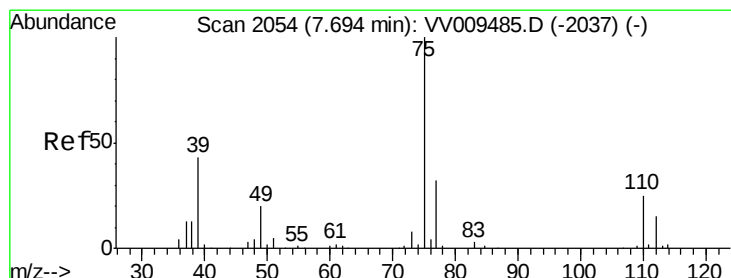
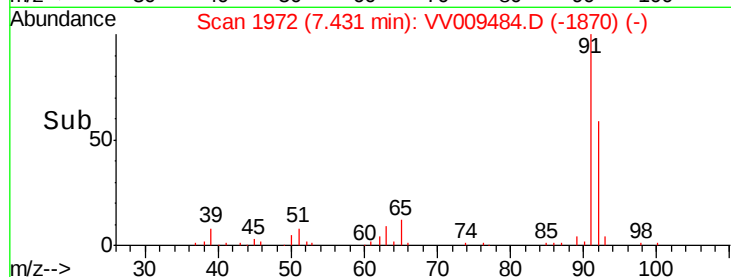
10000

5000

0

Time-->

7.35 7.40 7.45 7.50 7.55



#45

trans-1,3-Dichloropropene

Concen: 4.108 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009484.D

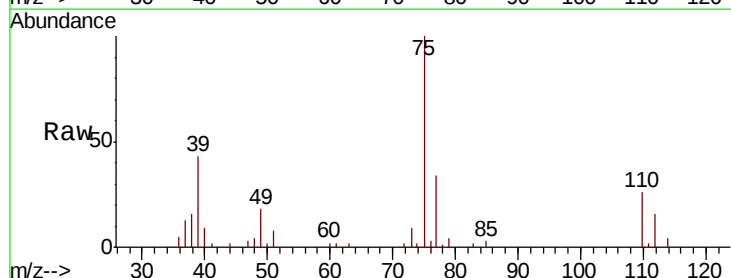
Acq: 05 Mar 2019 10:57

Tgt Ion: 75 Resp: 13380

Ion Ratio Lower Upper

75 100

77 34.3 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009485.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009485.D (-2037) (-)

7.69

8000

6000

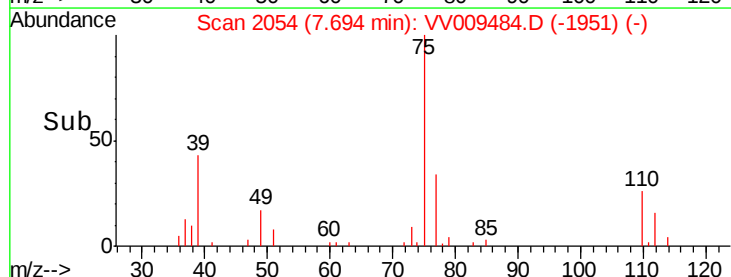
4000

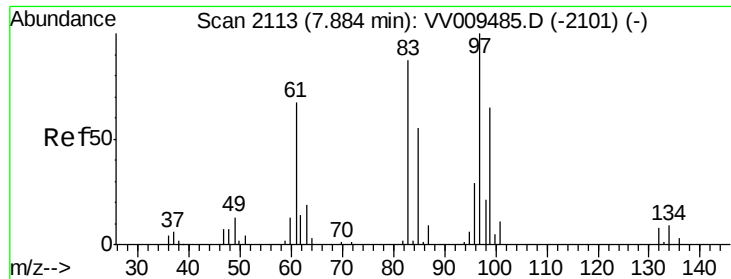
2000

0

Time-->

7.65 7.70 7.75

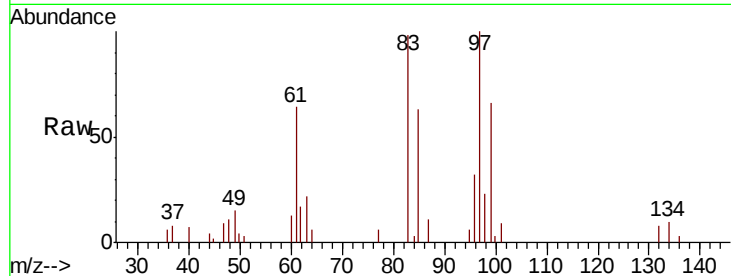




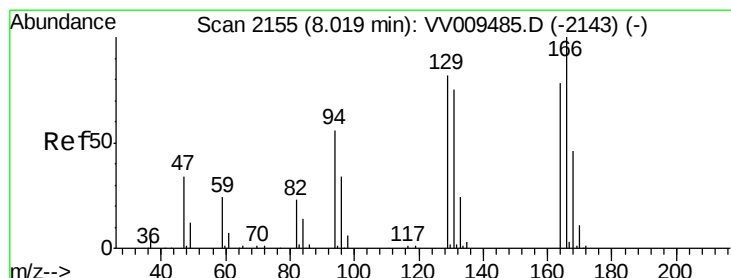
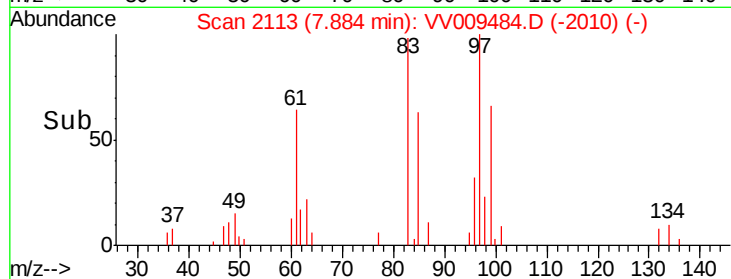
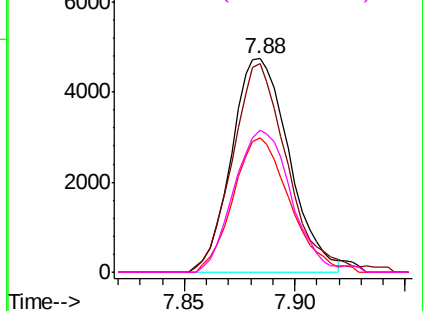
#46
 1,1,2-Trichloroethane
 Concen: 4.603 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tgt Ion:	97	Resp:	8596
Ion	Ratio	Lower	Upper
97	100		
83	97.9	63.8	118.6
85	63.1	39.5	73.4
99	66.3	45.9	85.3

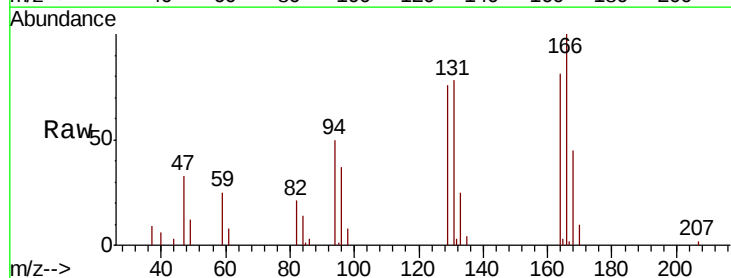


Abundance Ion 97.00 (96.70 to 97.70): VV009484.D (-2101) (-)

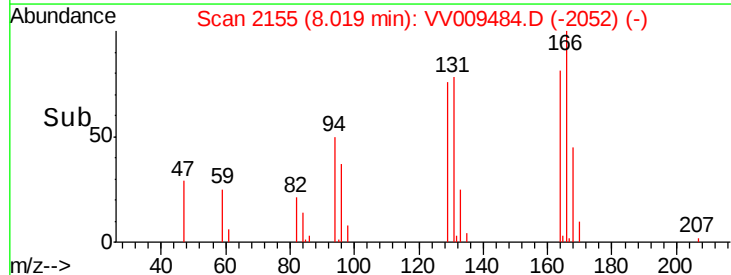
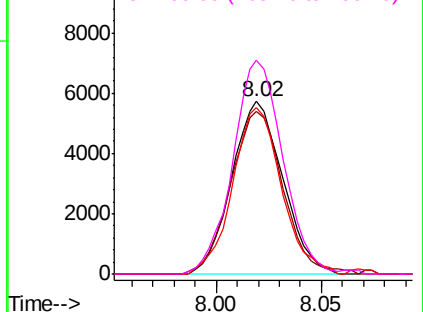


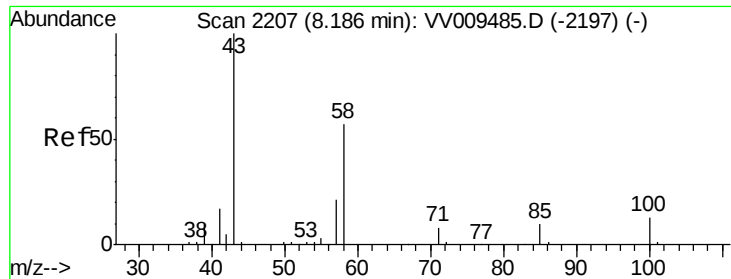
#47
 Tetrachloroethene
 Concen: 5.169 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Tgt Ion:	164	Resp:	9645
Ion	Ratio	Lower	Upper
164	100		
129	94.5	67.7	125.7
131	96.4	67.5	125.3
166	124.0	81.6	151.6



Abundance Ion 164.00 (163.70 to 164.70): VV009484.D (-2152) (-)

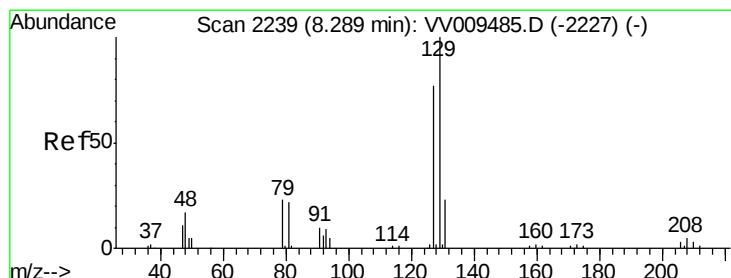
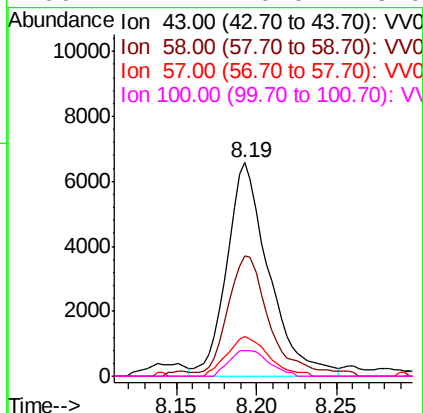
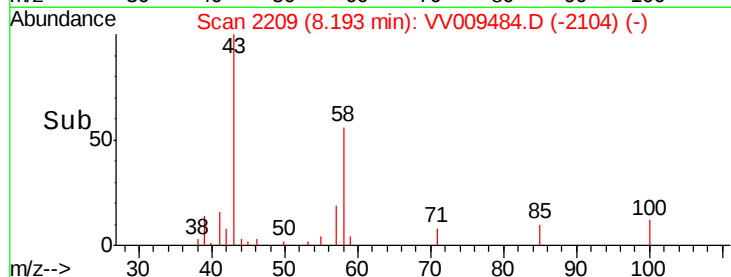
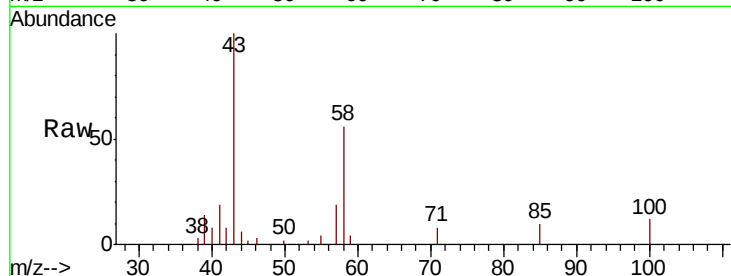




#49
2-Hexanone
Concen: 8.782 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV009484.D
Acq: 05 Mar 2019 10:57

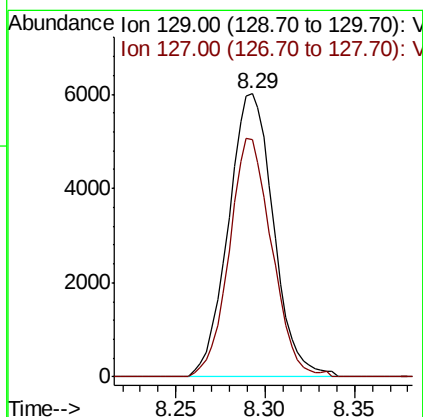
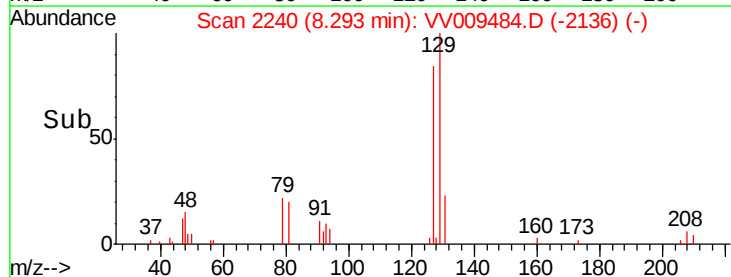
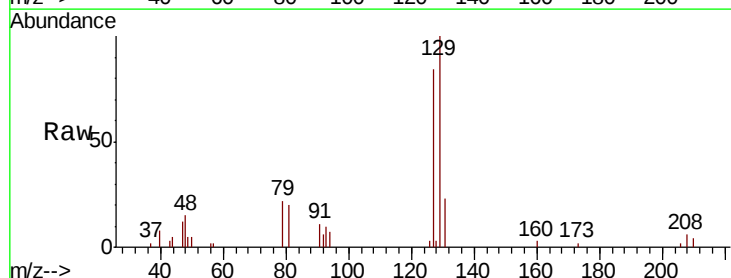
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

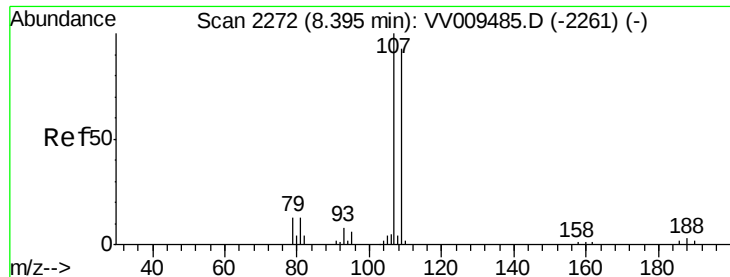
Tgt Ion: 43 Resp: 11853
Ion Ratio Lower Upper
43 100
58 51.5 46.3 69.5
57 18.3 15.8 23.6
100 11.2 10.0 15.0



#50
Dibromochloromethane
Concen: 4.518 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009484.D
Acq: 05 Mar 2019 10:57

Tgt Ion: 129 Resp: 10555
Ion Ratio Lower Upper
129 100
127 84.0 53.7 99.7





#51

1,2-Dibromoethane

Concen: 4.588 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

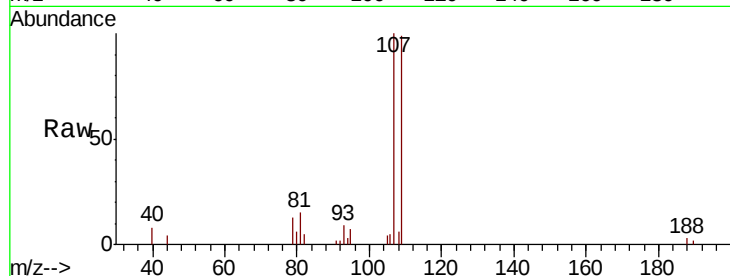
Tgt Ion:107 Resp: 8625

Ion Ratio Lower Upper

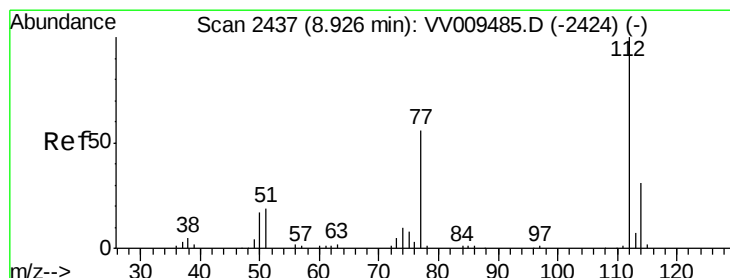
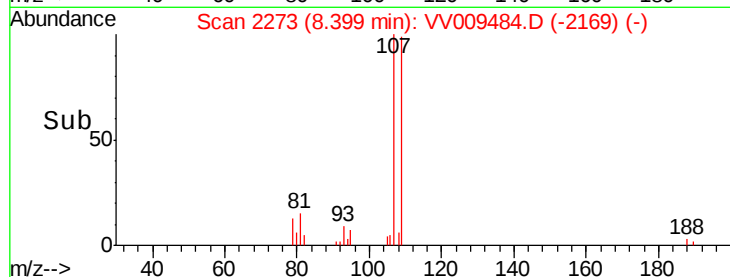
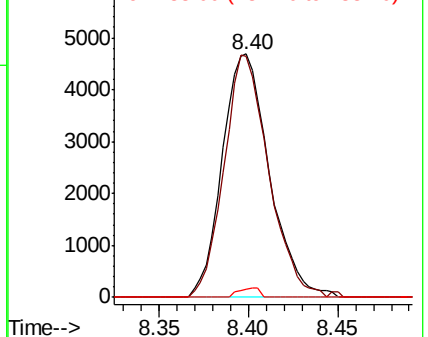
107 100

109 99.1 65.6 121.8

188 3.1 2.3 3.5



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



#52

Chlorobenzene

Concen: 4.834 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

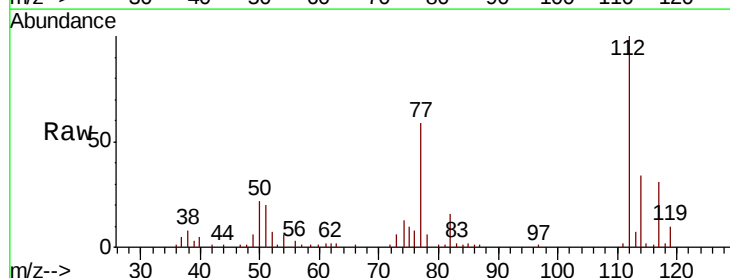
Tgt Ion:112 Resp: 31874

Ion Ratio Lower Upper

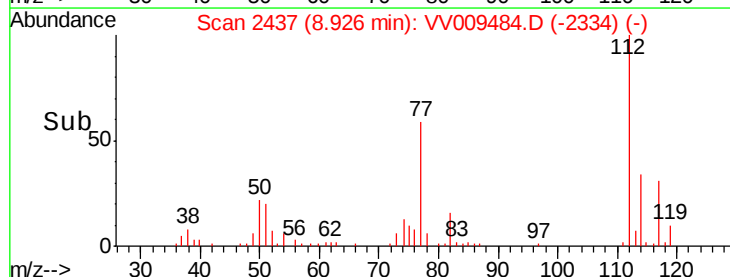
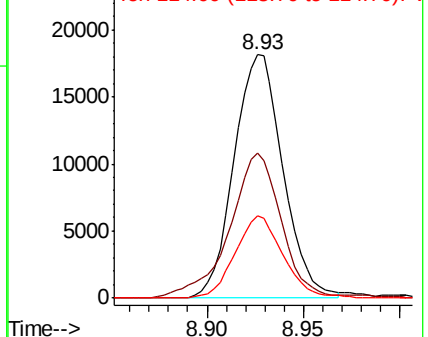
112 100

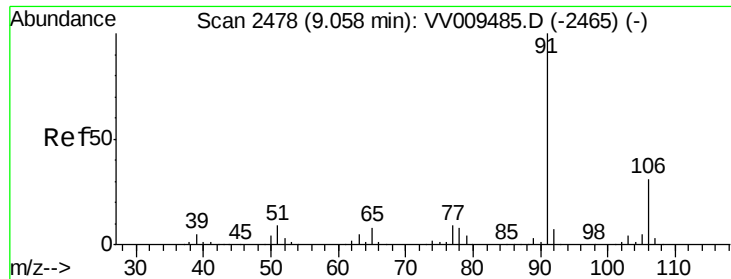
77 59.5 45.0 67.6

114 33.9 22.9 42.5



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





#53

Ethylbenzene

Concen: 4.937 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

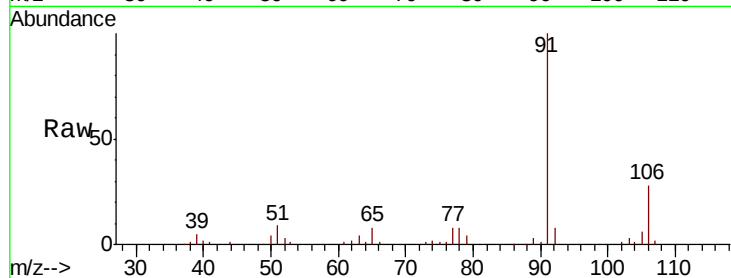
VSTD00561

Tgt Ion: 91 Resp: 57480

Ion Ratio Lower Upper

91 100

106 28.2 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009485.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV009485.D (-2465) (-)

9.06

40000

30000

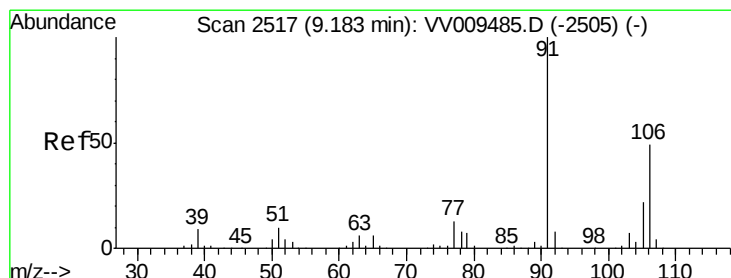
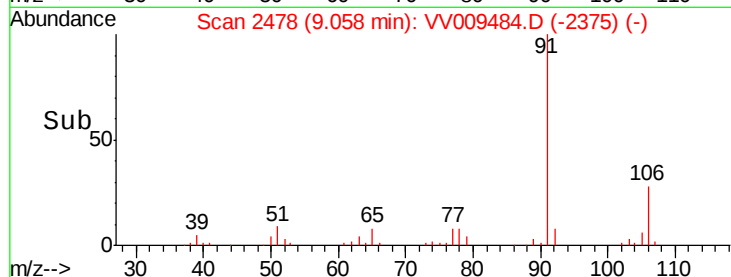
20000

10000

0

9.00 9.05 9.10 9.15

Time-->



#54

m,p-Xylene

Concen: 4.515 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009484.D

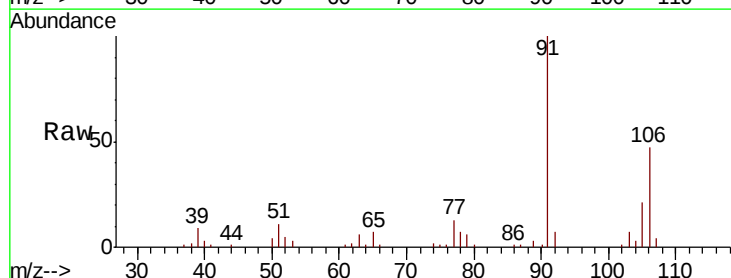
Acq: 05 Mar 2019 10:57

Tgt Ion: 106 Resp: 20476

Ion Ratio Lower Upper

106 100

91 212.6 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009485.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VV009485.D (-2505) (-)

9.18

25000

20000

15000

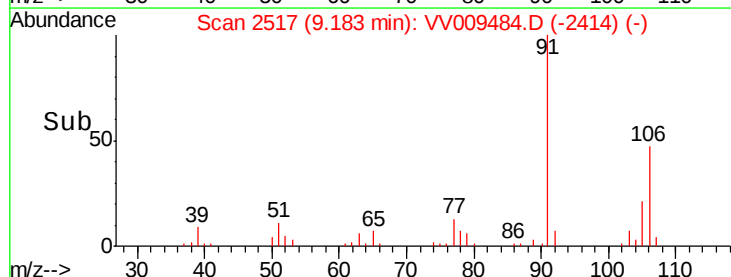
10000

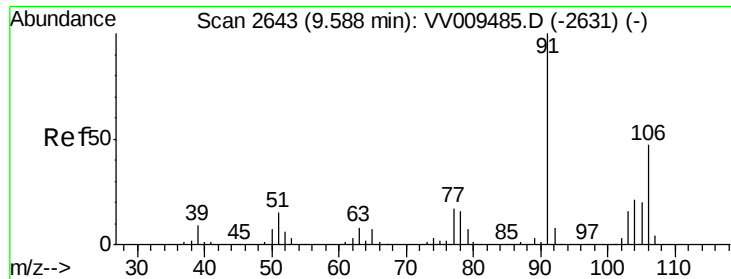
5000

0

9.10 9.15 9.20 9.25

Time-->





#55

o-xylene

Concen: 4.702 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

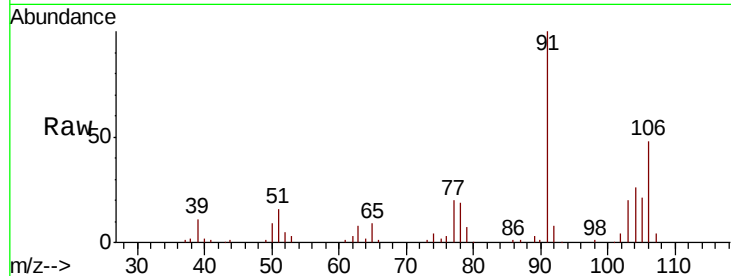
VSTD00561

Tgt Ion:106 Resp: 20217

Ion Ratio Lower Upper

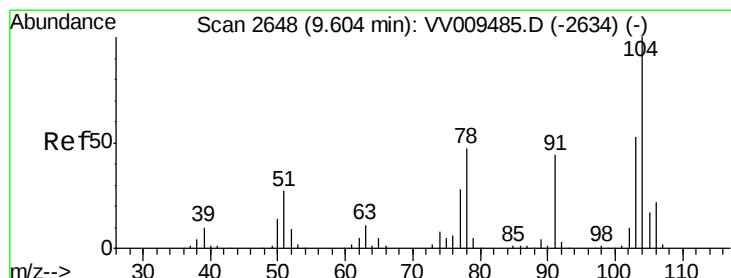
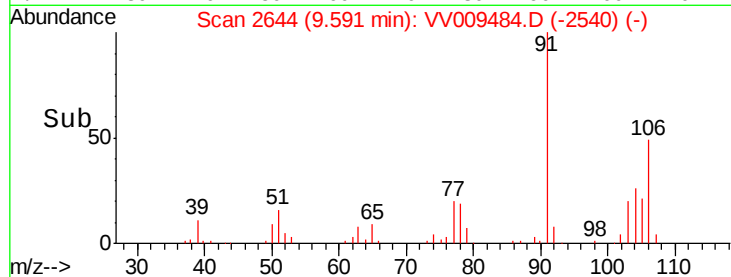
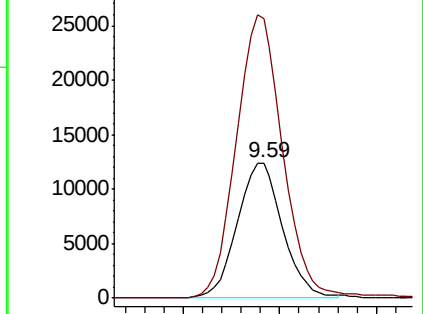
106 100

91 206.3 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 4.451 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV009484.D

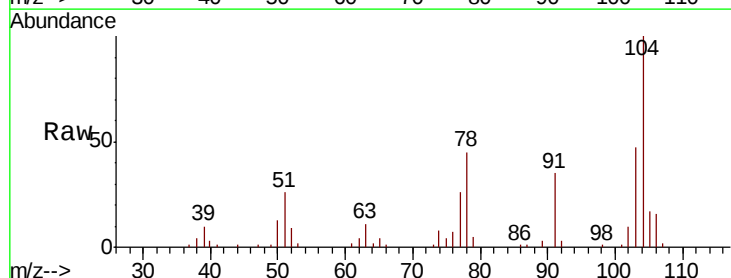
Acq: 05 Mar 2019 10:57

Tgt Ion:104 Resp: 32099

Ion Ratio Lower Upper

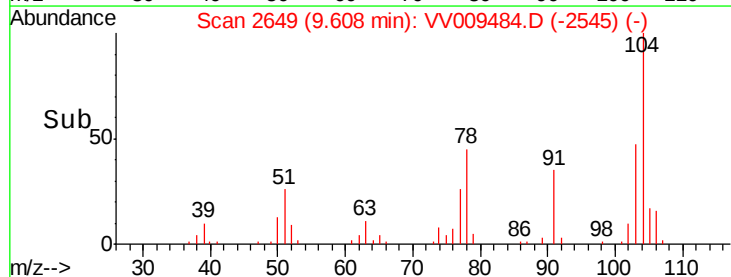
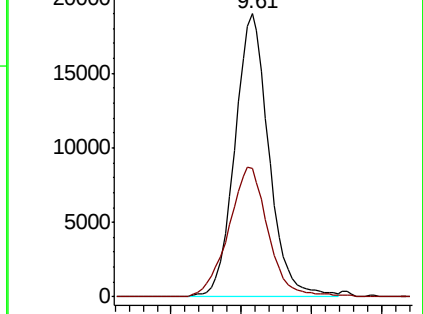
104 100

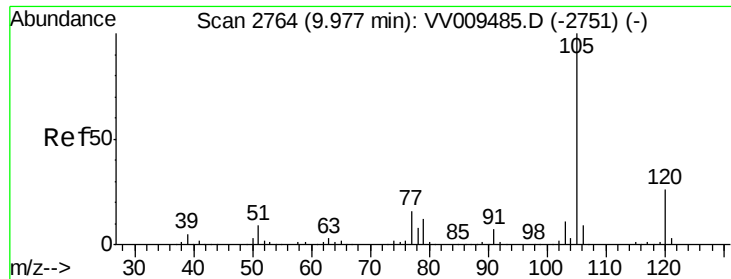
78 45.3 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 4.767 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

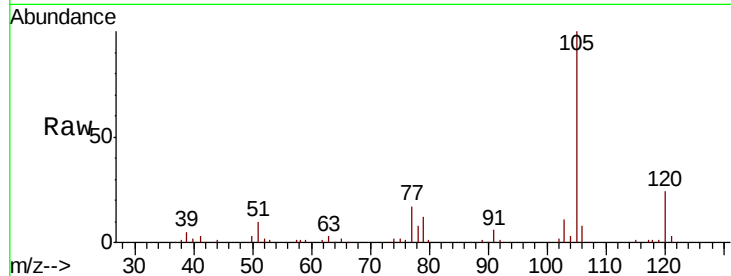
Tgt Ion: 105 Resp: 56000

Ion Ratio Lower Upper

105 100

120 25.1 21.4 32.2

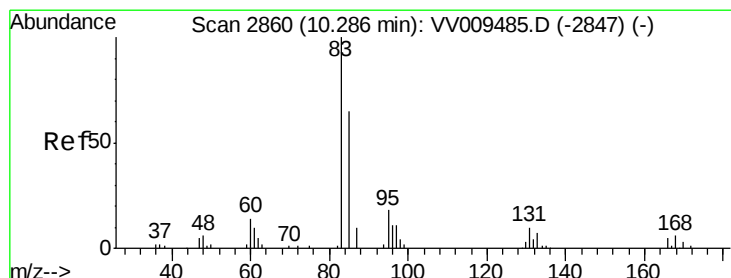
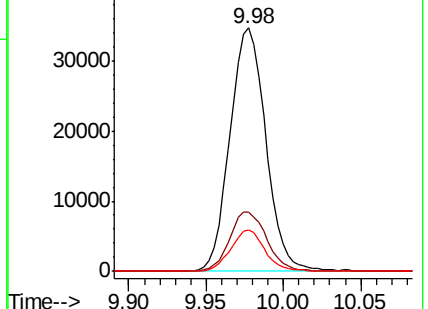
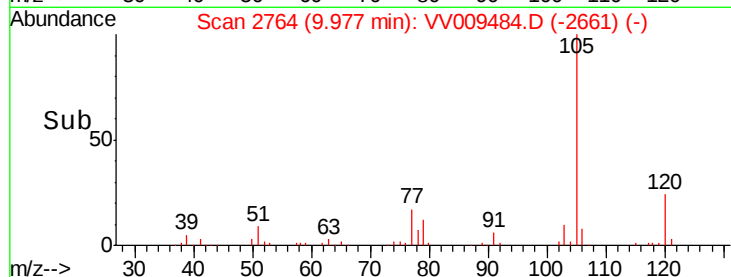
77 16.1 12.8 19.2



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: 4.771 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

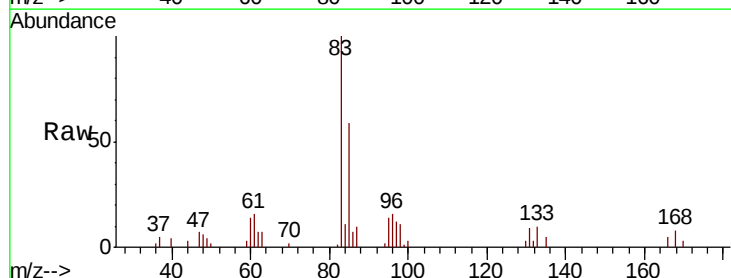
Tgt Ion: 83 Resp: 12116

Ion Ratio Lower Upper

83 100

85 58.8 44.7 83.1

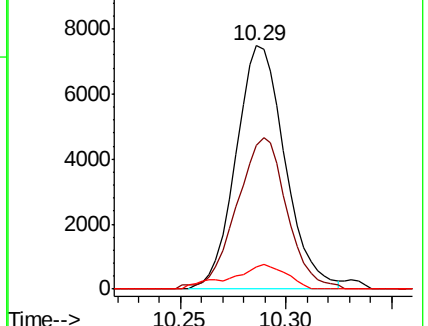
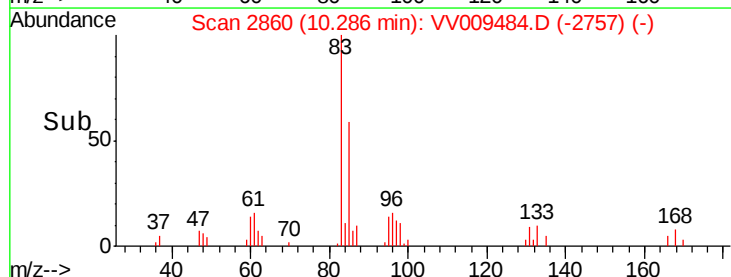
131 9.1 7.0 10.6

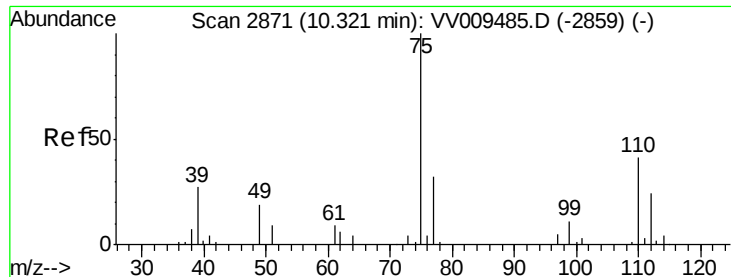


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

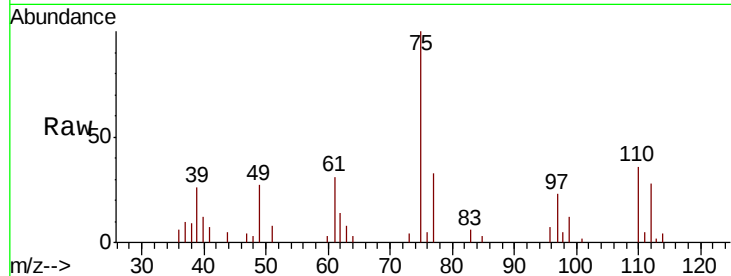




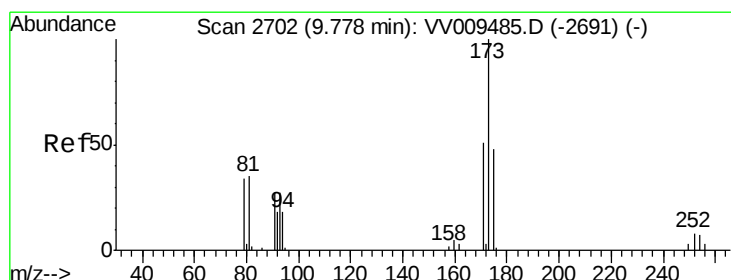
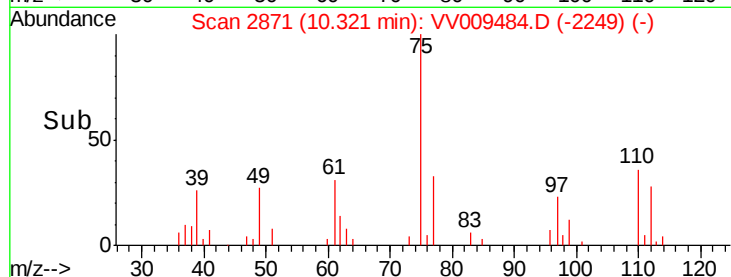
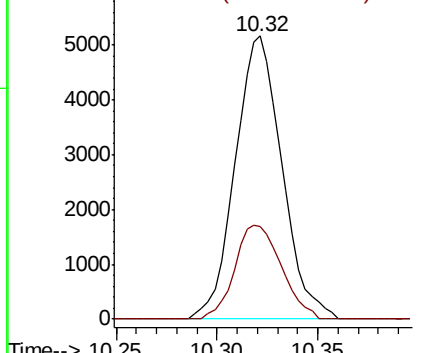
#59
 1,2,3-Trichloropropane
 Concen: 4.631 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tgt Ion: 75 Resp: 8377
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.9 38.9

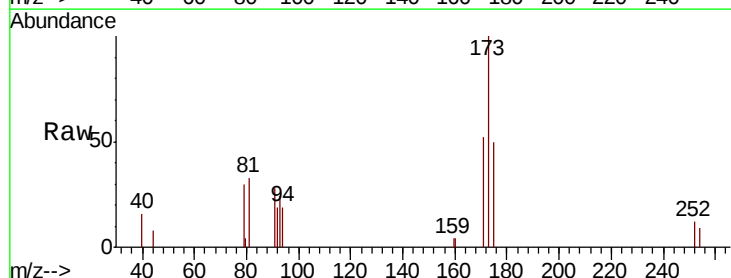


Abundance Ion 75.00 (74.70 to 75.70): VV009485.D (-2859) (-)
 Ion 77.00 (76.70 to 77.70): VV009485.D (-2859) (-)

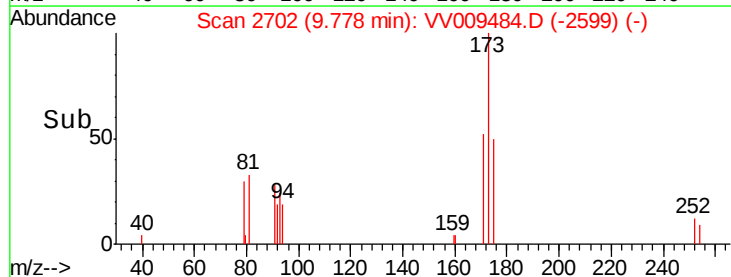
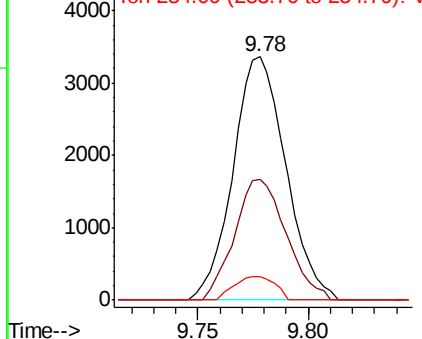


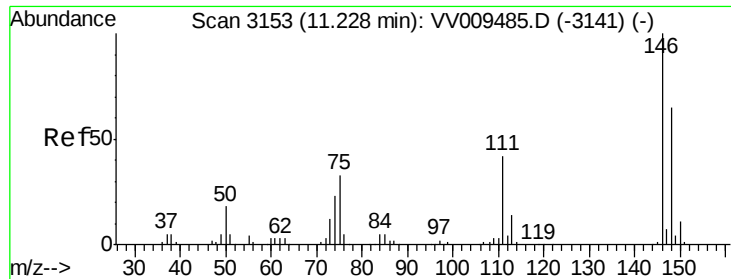
#62
 Bromoform
 Concen: 4.041 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Tgt Ion: 173 Resp: 5608
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 7.4 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VV009485.D (-2691) (-)
 Ion 175.00 (174.70 to 175.70): VV009485.D (-2691) (-)
 Ion 254.00 (253.70 to 254.70): VV009485.D (-2691) (-)

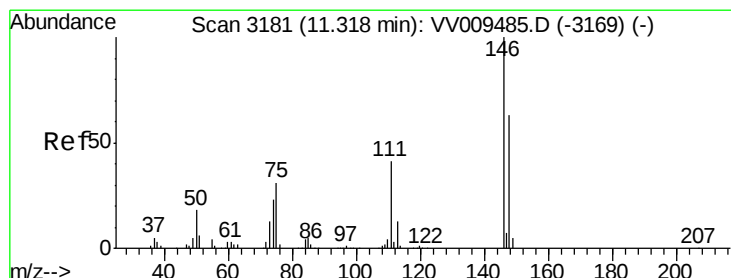
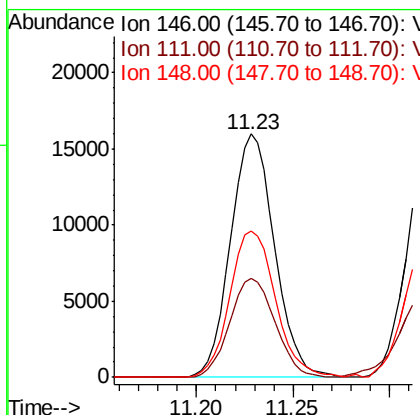
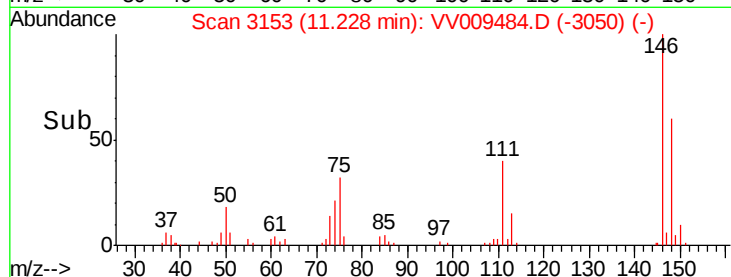
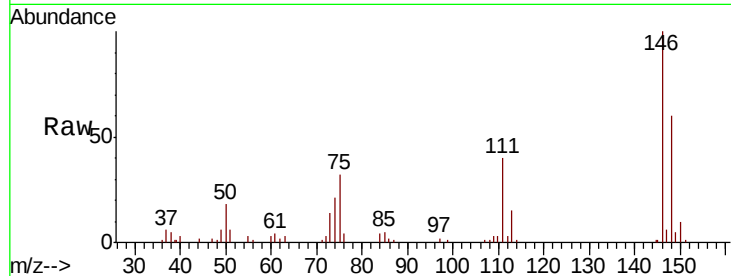




#63
 1,3-Dichlorobenzene
 Concen: 5.097 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

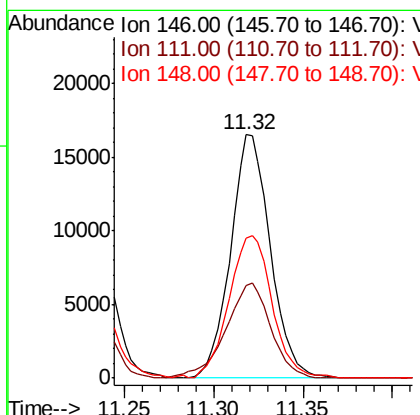
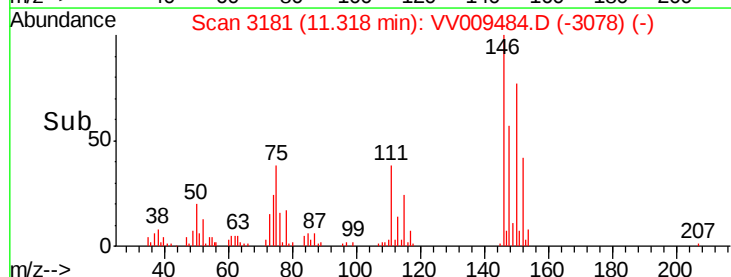
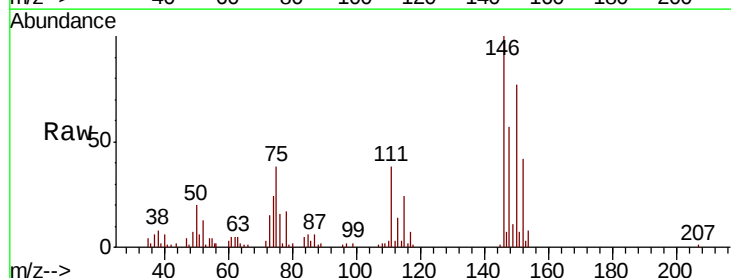
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

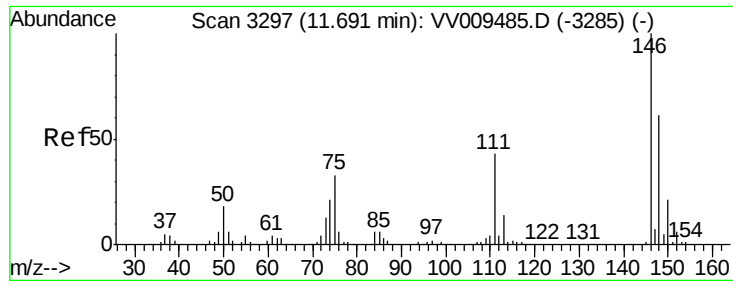
Tgt Ion:146 Resp: 25291
 Ion Ratio Lower Upper
 146 100
 111 40.5 29.6 55.0
 148 60.0 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 5.193 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Tgt Ion:146 Resp: 25720
 Ion Ratio Lower Upper
 146 100
 111 37.9 29.2 54.2
 148 57.2 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 4.963 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

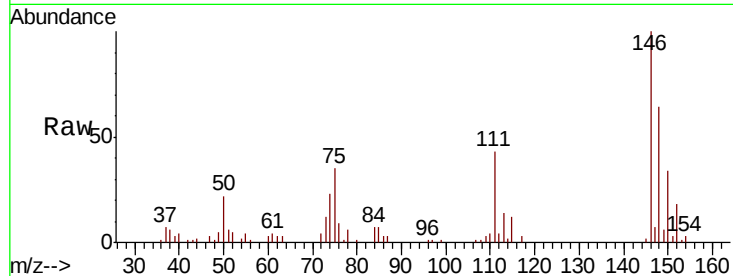
Tgt Ion:146 Resp: 23137

Ion Ratio Lower Upper

146 100

111 42.8 35.4 53.0

148 64.3 50.6 76.0

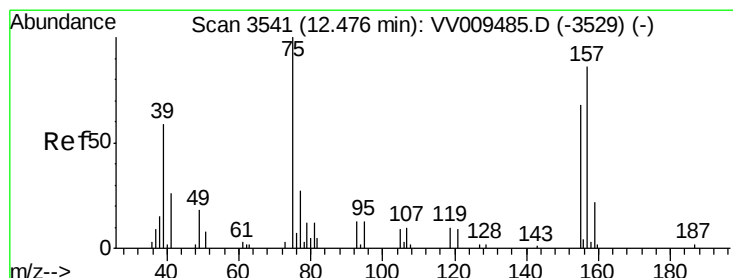
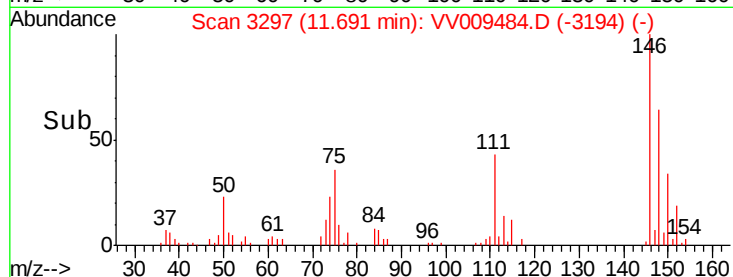
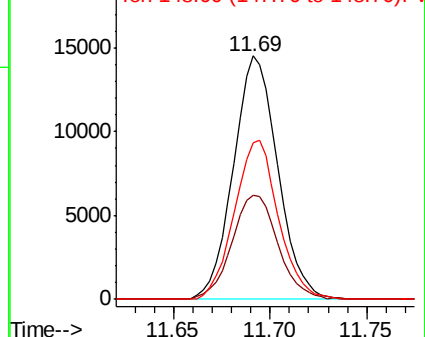


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 3.960 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.01 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

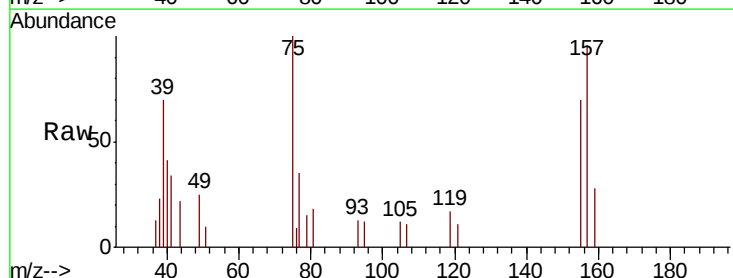
Tgt Ion: 75 Resp: 1823

Ion Ratio Lower Upper

75 100

157 96.3 81.0 121.4

155 69.6 61.2 91.8

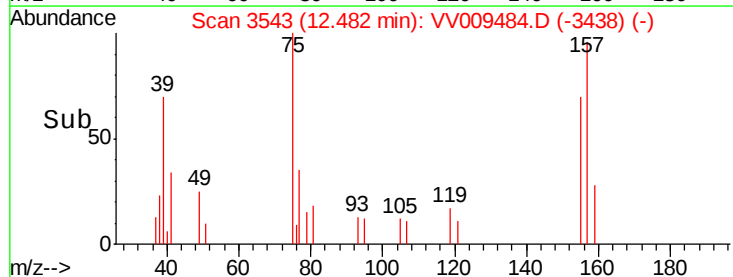
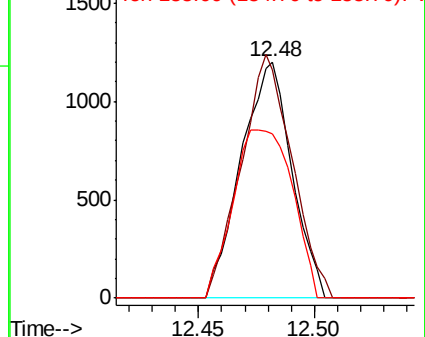


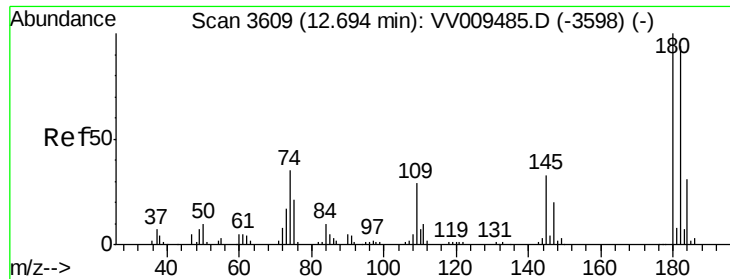
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

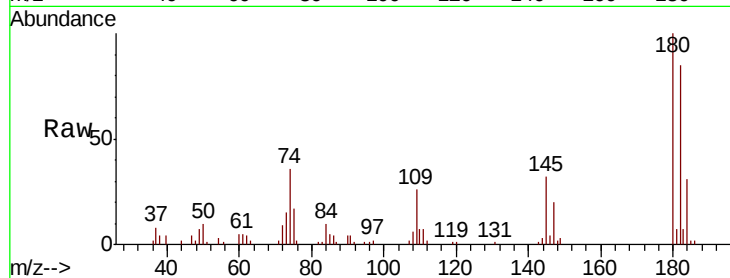




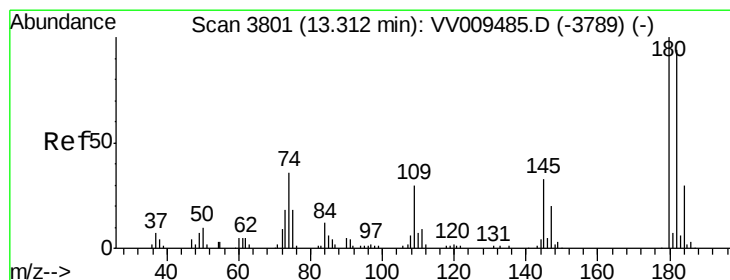
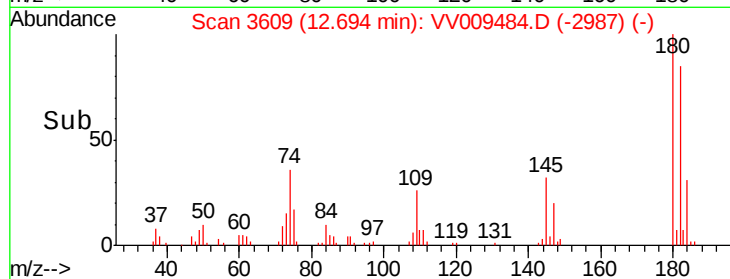
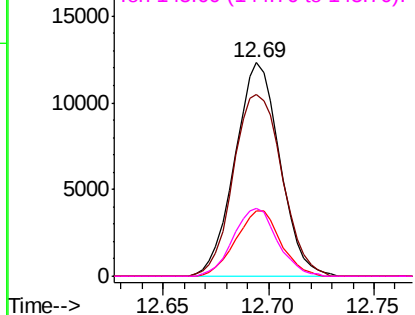
#67
 1,3,5-Trichlorobenzene
 Concen: 5.213 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00561

Tgt Ion:180 Resp: 18263
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.4 113.2
 184 30.6 23.9 35.9
 145 31.2 26.0 39.0

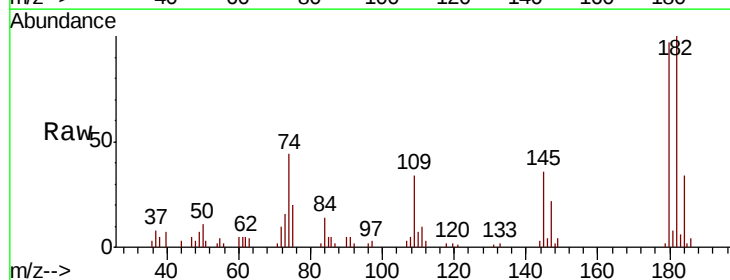


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

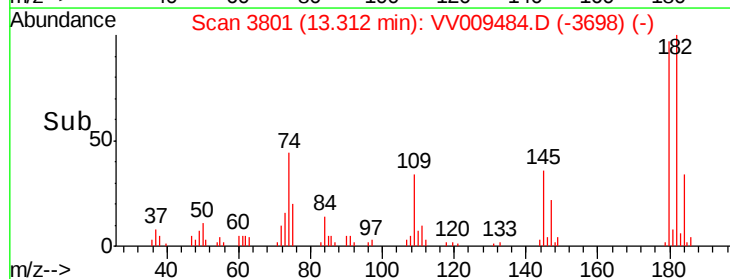
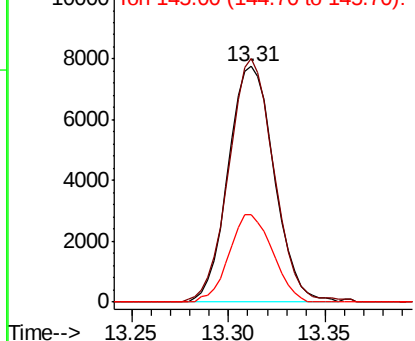


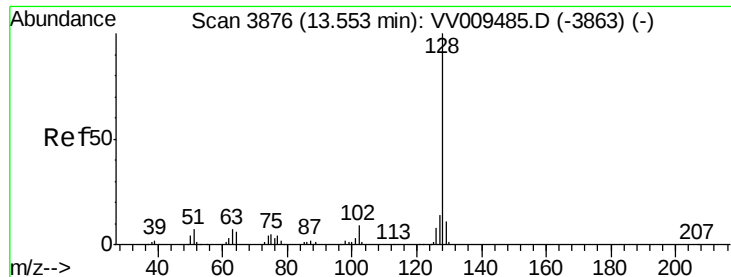
#68
 1,2,4-trichlorobenzene
 Concen: 4.726 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009484.D
 Acq: 05 Mar 2019 10:57

Tgt Ion:180 Resp: 12855
 Ion Ratio Lower Upper
 180 100
 182 100.1 75.9 113.9
 145 35.0 26.2 39.4



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: 4.194 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

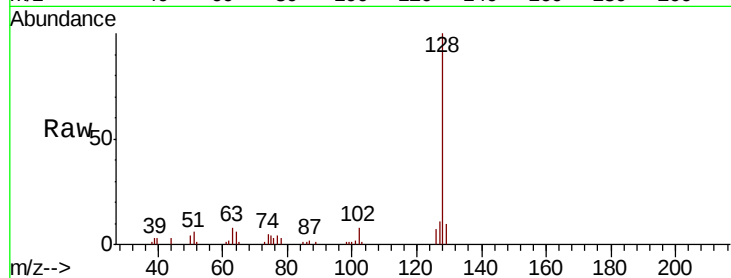
Tgt Ion:128 Resp: 23096

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

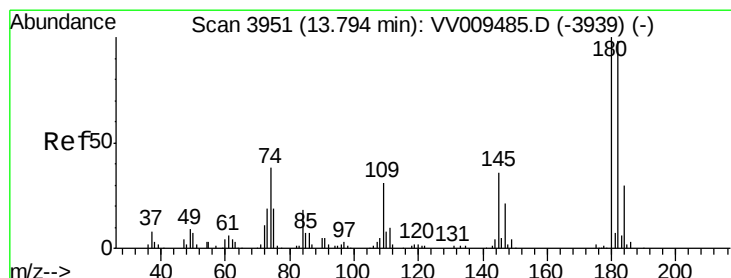
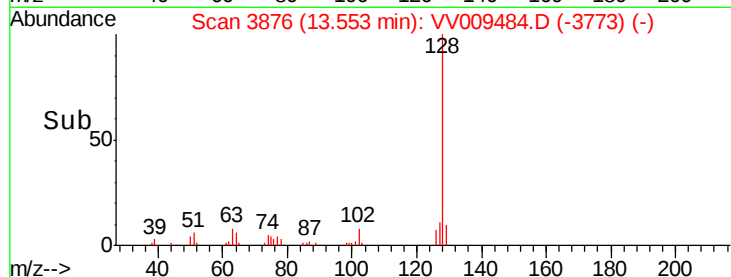
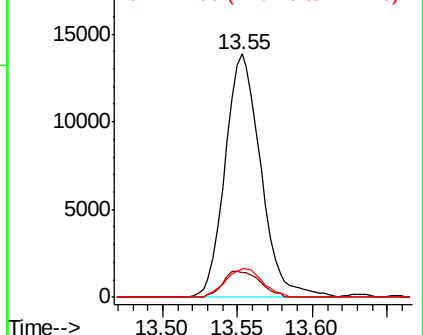
127 12.2 10.6 16.0



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: 4.674 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009484.D

Acq: 05 Mar 2019 10:57

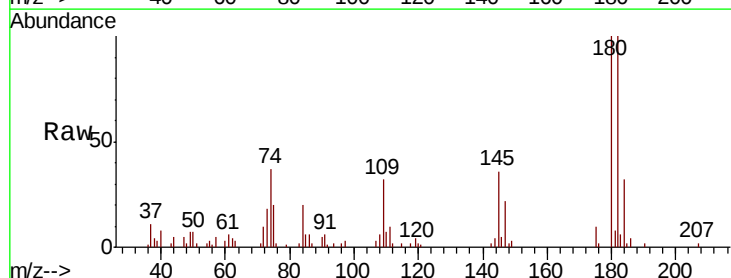
Tgt Ion:180 Resp: 11783

Ion Ratio Lower Upper

180 100

182 97.5 74.2 111.2

145 35.3 27.7 41.5



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

