

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030519\
 Data File : VV009485.D
 Acq On : 05 Mar 2019 11:24
 Operator : SY/MD
 Sample : VSTD02562
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

Quant Time: Mar 05 11:52:09 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	5.67	114	169888	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	160129	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52169	24.41	ug/L	0.00
7) Chloroethane-d5	1.58	69	77444	27.87	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	131237	23.22	ug/L	0.00
20) 2-Butanone-d5	3.95	46	34167	53.06	ug/L	0.00
24) Chloroform-d	4.40	84	99160	24.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	57375	25.17	ug/L	0.00
29) Benzene-d6	5.10	84	200462	23.55	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	57872	23.20	ug/L	0.00
37) Toluene-d8	7.36	98	195347	23.92	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	28238	22.65	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	27062	51.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60987	25.03	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	68816	24.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	48300	22.460 ug/L	98
3) Chloromethane	1.25	50	51296	22.473 ug/L	99
5) Vinyl chloride	1.32	62	56120	22.129 ug/L	98
6) Bromomethane	1.53	94	69695	25.553 ug/L	100
8) Chloroethane	1.59	64	57797	26.728 ug/L	99
9) Trichlorofluoromethane	1.77	101	115553	22.597 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	63868	22.509 ug/L	97
12) 1,1-Dichloroethene	2.14	96	54007	22.137 ug/L	94
13) Acetone	2.20	43	32504	44.151 ug/L	99
14) Carbon disulfide	2.32	76	146017	23.035 ug/L	100
15) Methyl Acetate	2.46	43	28021	28.805 ug/L	91
16) Methylene chloride	2.54	84	49412	21.473 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	121099	22.811 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	49348	23.272 ug/L	97
19) 1,1-Dichloroethane	3.23	63	86776	23.036 ug/L	99
21) 2-Butanone	4.03	43	43578	47.500 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	55762	23.390 ug/L	97
23) Bromochloromethane	4.30	128	25772	24.088 ug/L	89
25) Chloroform	4.43	83	97645	23.819 ug/L	99
27) 1,2-Dichloroethane	5.18	62	67559	23.824 ug/L	100
30) Cyclohexane	4.73	56	83929	22.126 ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	89024	23.409 ug/L	99
32) Carbon tetrachloride	4.88	117	73824	22.761 ug/L	99
34) Benzene	5.15	78	202747	22.709 ug/L	100
35) Trichloroethene	5.96	95	57922	23.437 ug/L	99
36) Methylcyclohexane	6.18	83	95196	22.061 ug/L	99
40) 1,2-Dichloropropane	6.22	63	49808	22.457 ug/L	99
41) Bromodichloromethane	6.56	83	70671	22.406 ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	84797	24.062 ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	78864	49.733 ug/L	100

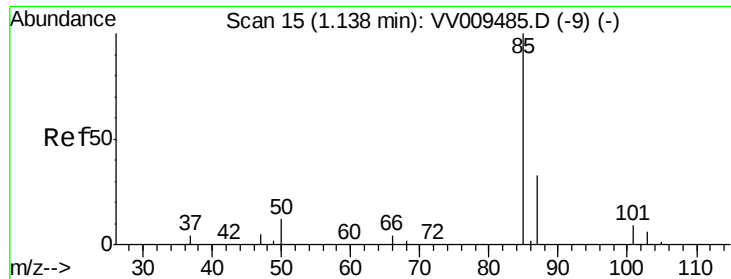
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030519\
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Quant Time: Mar 05 11:52:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 05 11:49:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	231852	23.219	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	71760	22.460	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	43949	23.989	ug/L	97
47) Tetrachloroethene	8.02	164	44784	24.465	ug/L	93
49) 2-Hexanone	8.19	43	58001	43.806	ug/L	99
50) Dibromochloromethane	8.29	129	52003	22.693	ug/L	99
51) 1,2-Dibromoethane	8.40	107	45072	24.438	ug/L	100
52) Chlorobenzene	8.93	112	152151	23.524	ug/L	99
53) Ethylbenzene	9.06	91	263228	23.048	ug/L	97
54) m,p-Xylene	9.18	106	99137	22.284	ug/L	96
55) o-xylene	9.59	106	98915	23.451	ug/L	95
56) Styrene	9.60	104	157935	22.323	ug/L	99
57) Isopropylbenzene	9.98	105	265187	23.012	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	61579	24.718	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	43662	24.607	ug/L	99
62) Bromoform	9.78	173	30632	22.459	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	116129	23.812	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	115808	23.790	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	110419	24.097	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	11891	26.282	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	83378	24.212	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	66666	24.937	ug/L	100
69) Naphthalene	13.55	128	141912	26.217	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	61690	24.894	ug/L	97

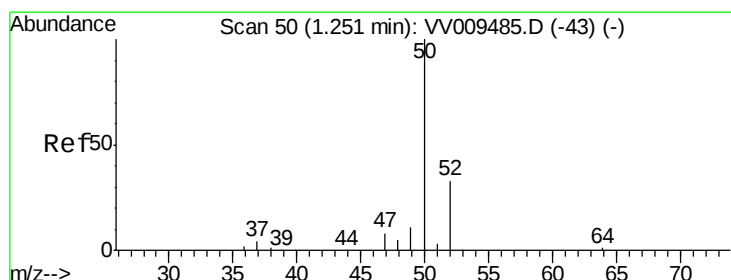
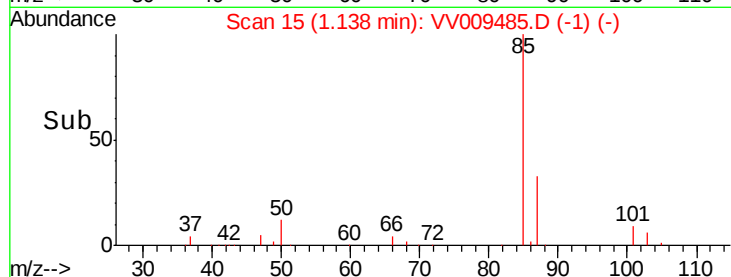
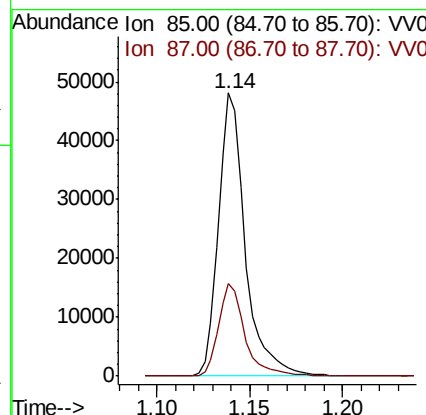
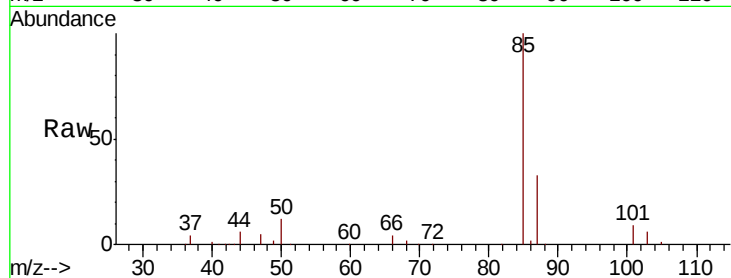
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 22.460 ug/L
 RT: 1.14 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

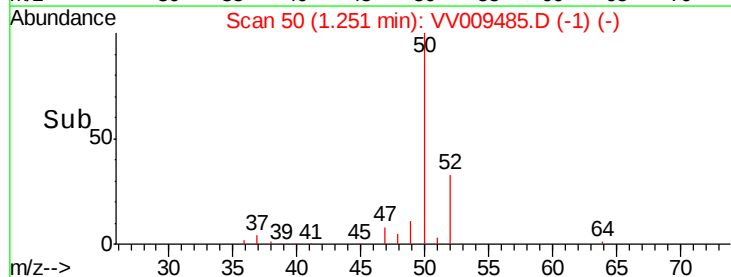
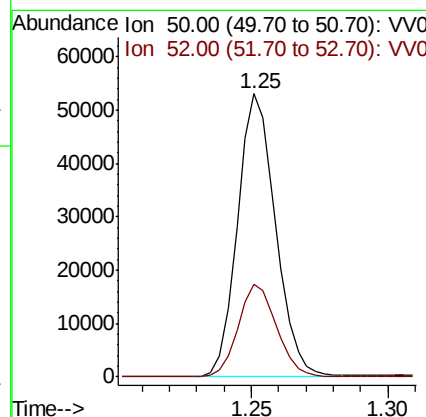
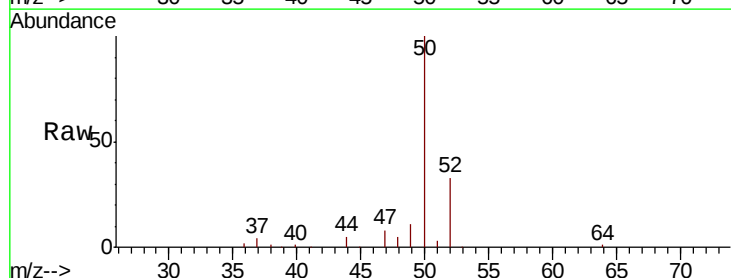
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02562

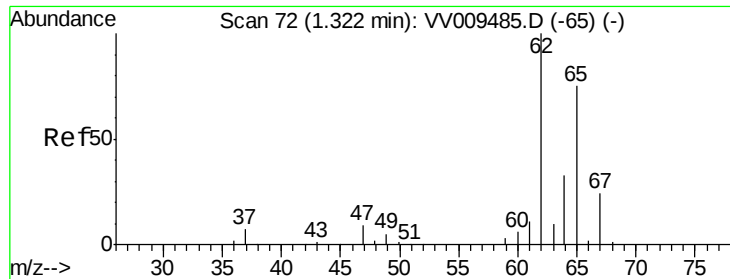
Tgt Ion: 85 Resp: 48300
 Ion Ratio Lower Upper
 85 100
 87 32.0 23.4 43.4



#3
 Chloromethane
 Concen: 22.473 ug/L
 RT: 1.25 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion: 50 Resp: 51296
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.1 42.9





#5

Vinyl chloride

Concen: 22.129 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

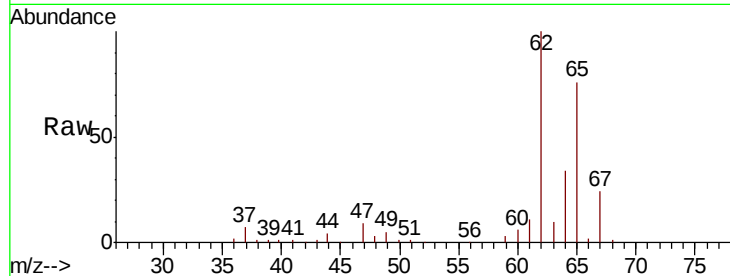
VSTD02562

Tgt Ion: 62 Resp: 56120

Ion Ratio Lower Upper

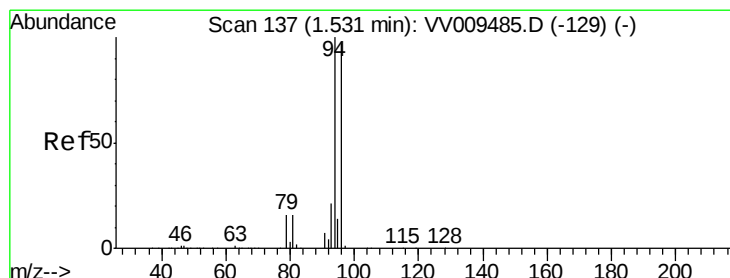
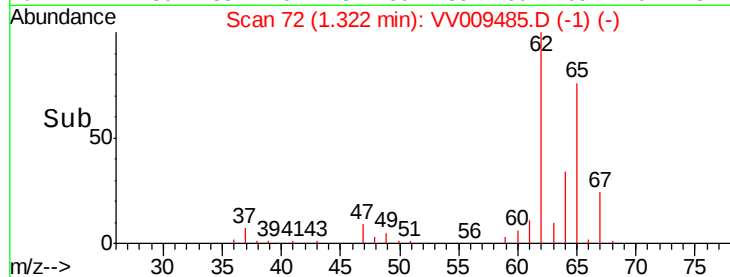
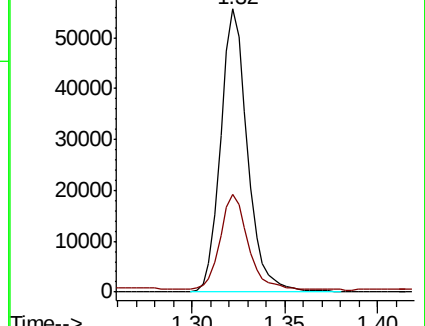
62 100

64 34.5 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009485.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009485.D (-65) (-)



#6

Bromomethane

Concen: 25.553 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV009485.D

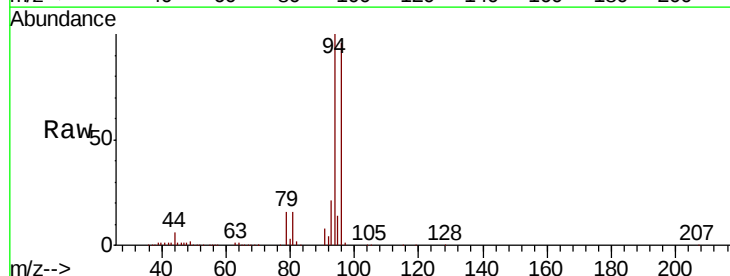
Acq: 05 Mar 2019 11:24

Tgt Ion: 94 Resp: 69695

Ion Ratio Lower Upper

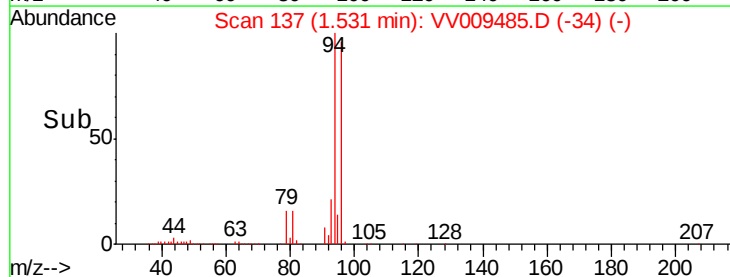
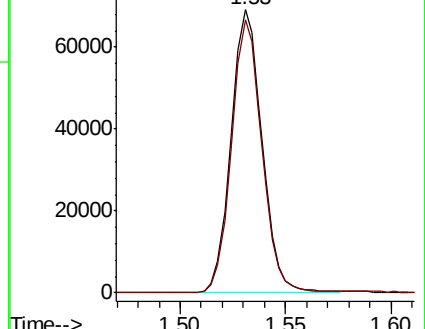
94 100

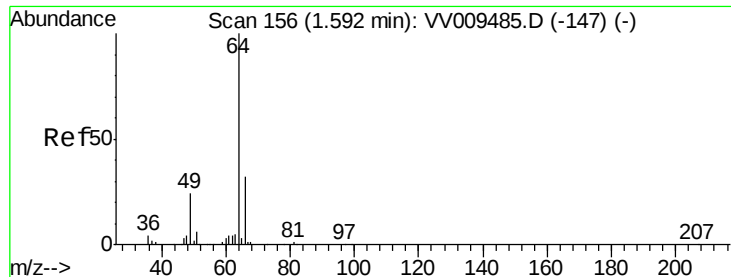
96 95.6 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009485.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV009485.D (-129) (-)

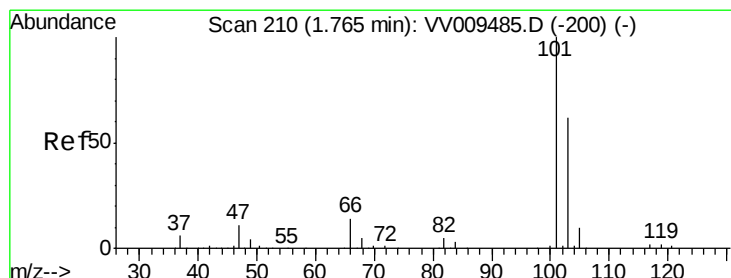
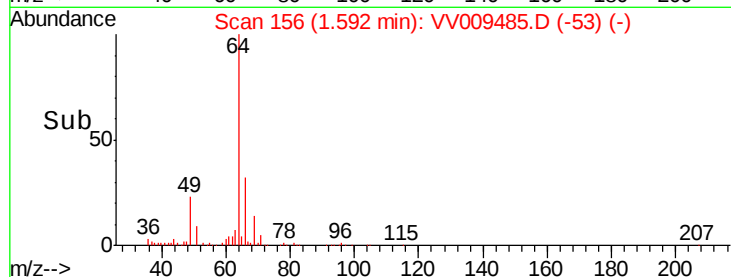
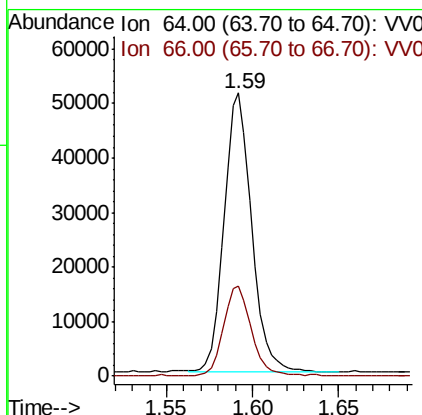
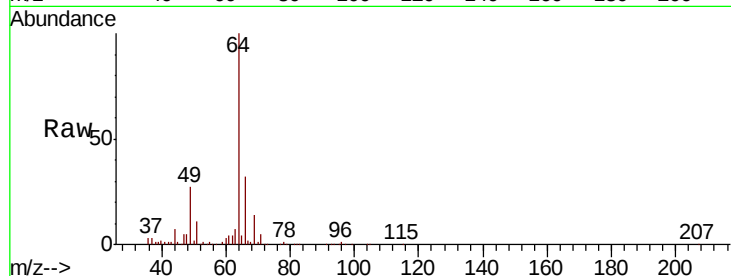




#8
Chloroethane
Concen: 26.728 ug/L
RT: 1.59 min Scan# 156
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

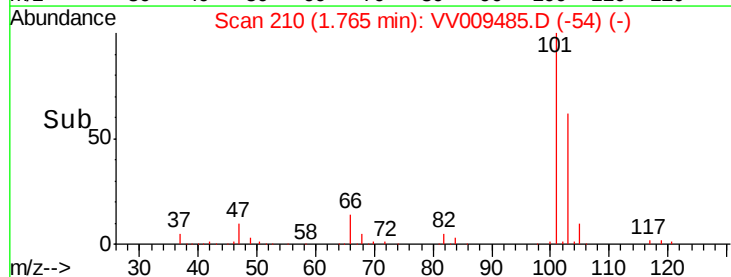
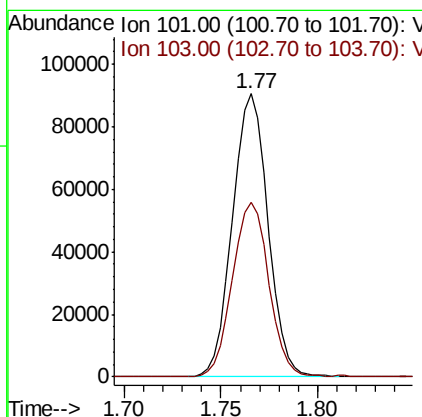
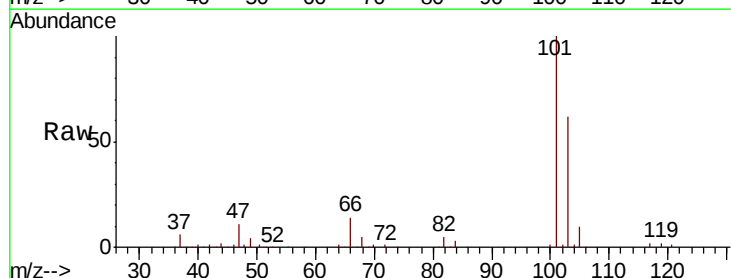
Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

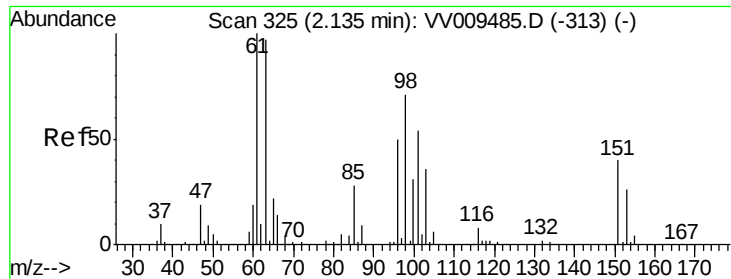
Tgt Ion: 64 Resp: 57797
Ion Ratio Lower Upper
64 100
66 31.9 21.8 40.6



#9
Trichlorofluoromethane
Concen: 22.597 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

Tgt Ion: 101 Resp: 115553
Ion Ratio Lower Upper
101 100
103 63.4 44.7 83.1





#11

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

Concen: 22.509 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

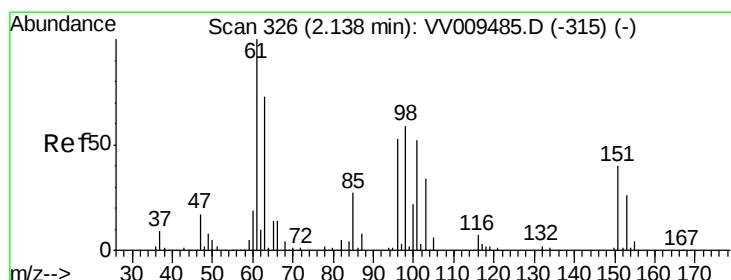
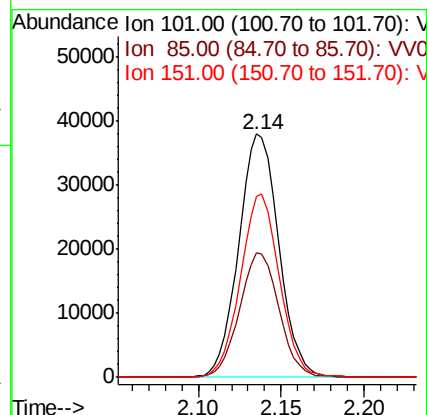
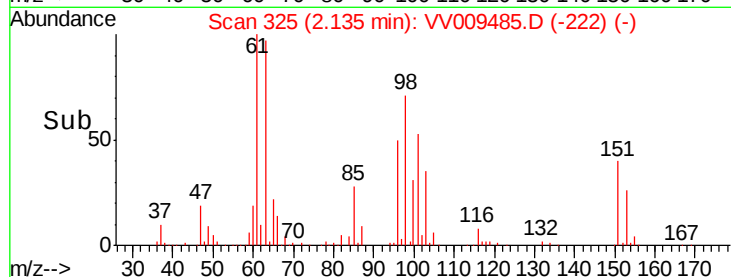
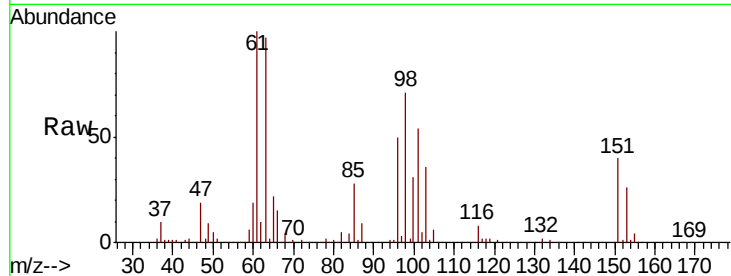
Tgt Ion:101 Resp: 63868

Ion Ratio Lower Upper

101 100

85 50.7 40.1 60.1

151 73.4 55.9 83.9



#12

1,1-Dichloroethene

Concen: 22.137 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

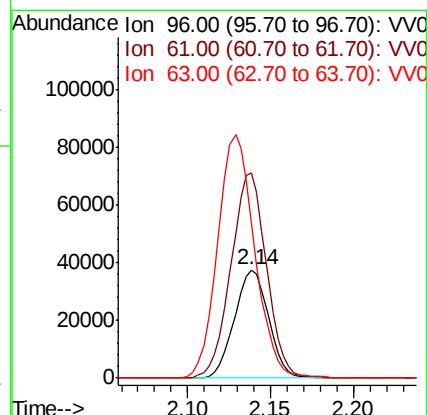
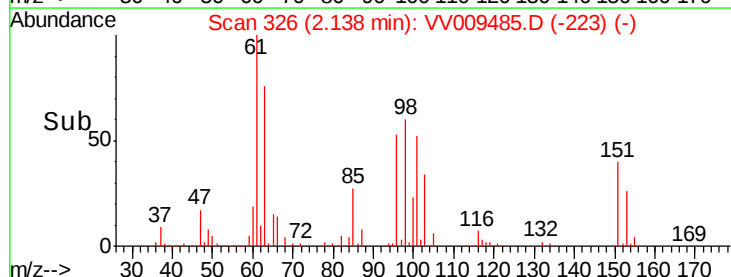
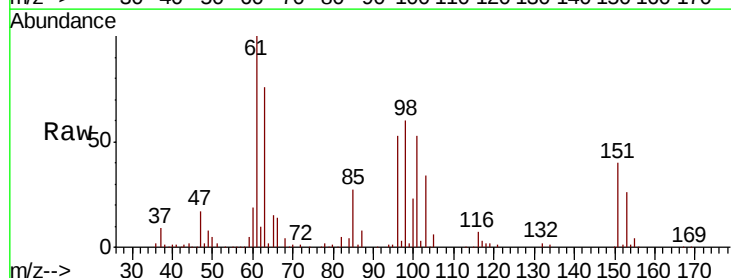
Tgt Ion: 96 Resp: 54007

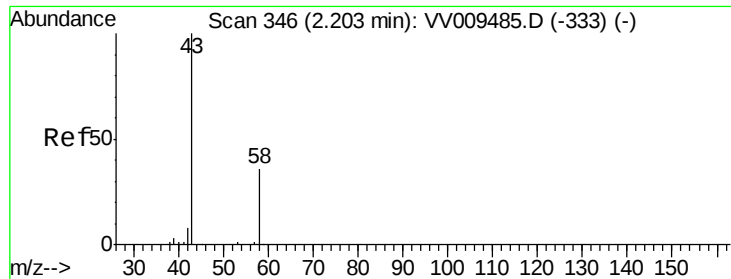
Ion Ratio Lower Upper

96 100

61 189.5 136.9 254.3

63 143.1 108.7 201.9





#13

Acetone

Concen: 44.151 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

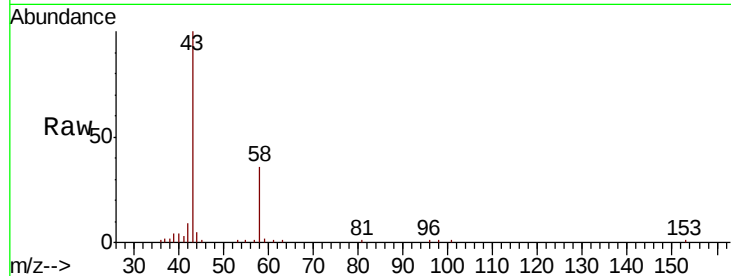
VSTD02562

Tgt Ion: 43 Resp: 32504

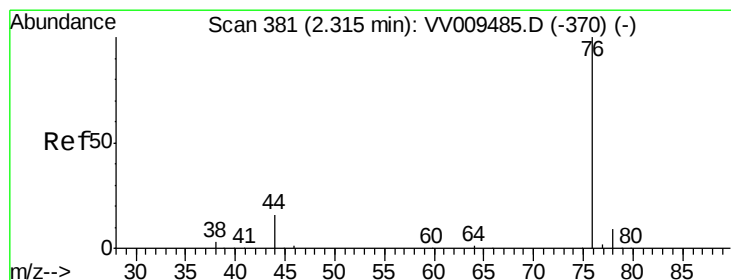
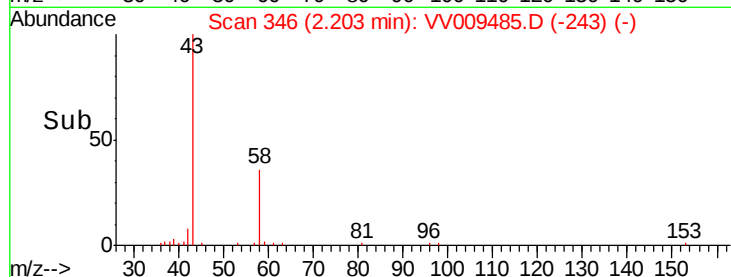
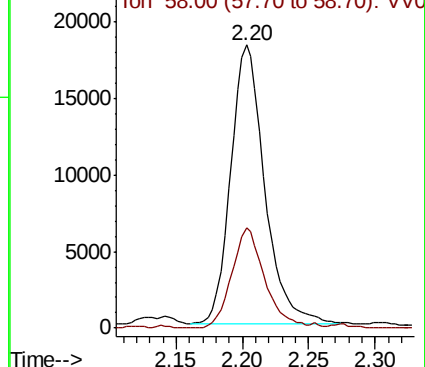
Ion Ratio Lower Upper

43 100

58 34.8 0.0 68.8



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



#14

Carbon disulfide

Concen: 23.035 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009485.D

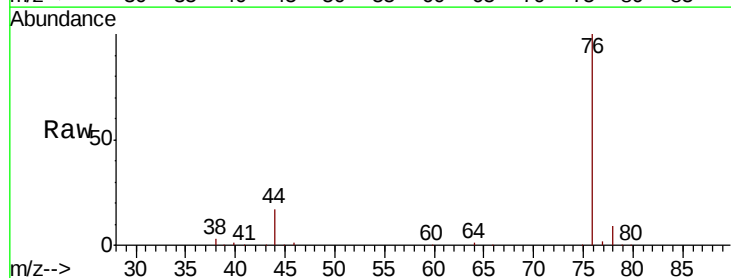
Acq: 05 Mar 2019 11:24

Tgt Ion: 76 Resp: 146017

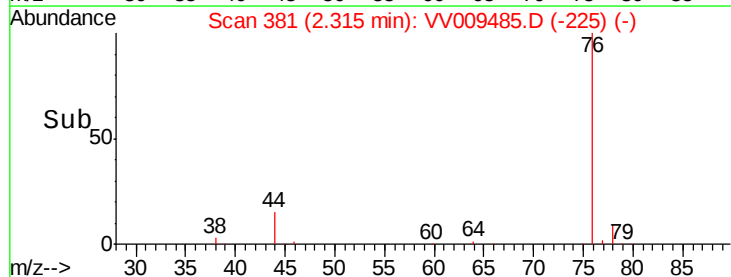
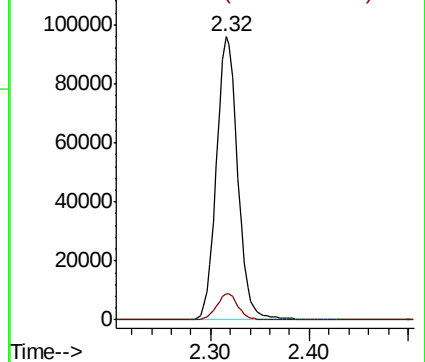
Ion Ratio Lower Upper

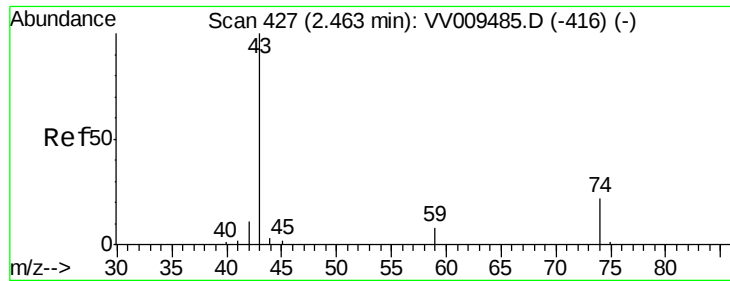
76 100

78 9.4 7.5 11.3



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

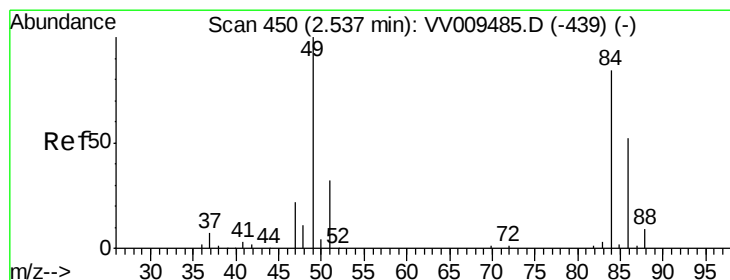
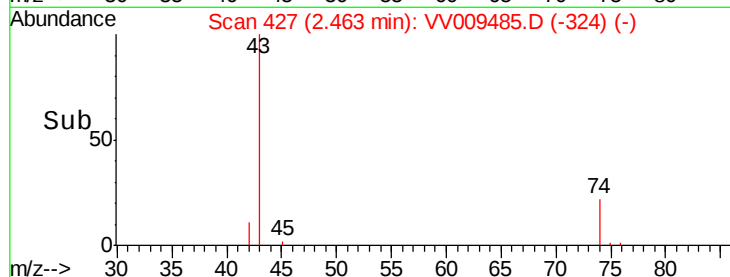
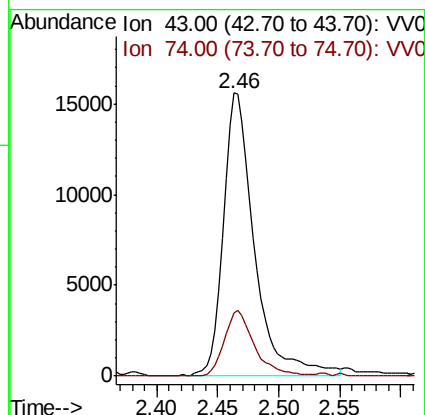
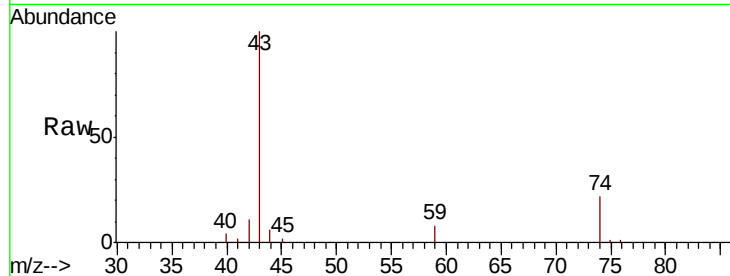




#15
Methyl Acetate
Concen: 28.805 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

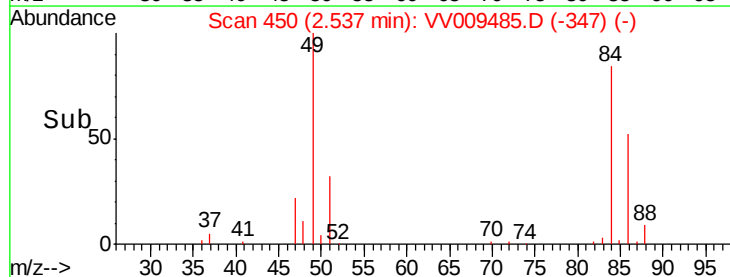
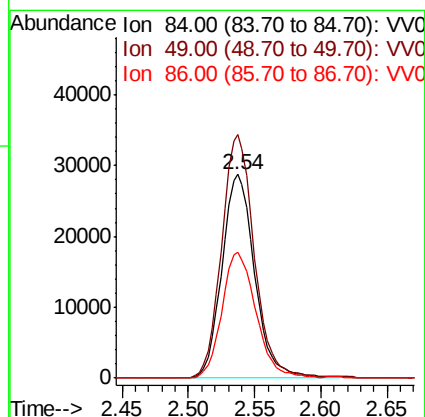
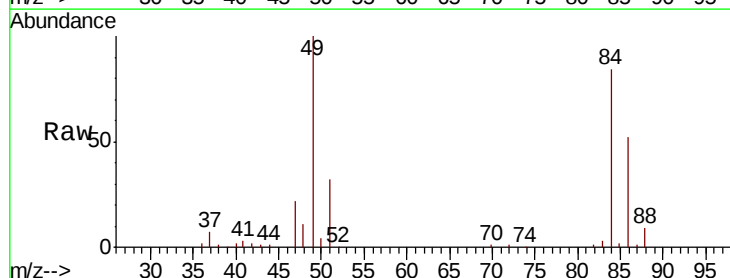
Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

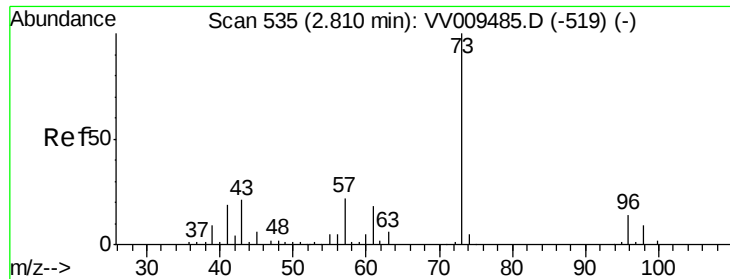
Tgt Ion: 43 Resp: 28021
Ion Ratio Lower Upper
43 100
74 22.6 21.8 32.8



#16
Methylene chloride
Concen: 21.473 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

Tgt Ion: 84 Resp: 49412
Ion Ratio Lower Upper
84 100
49 119.7 84.6 157.0
86 61.7 46.1 85.7

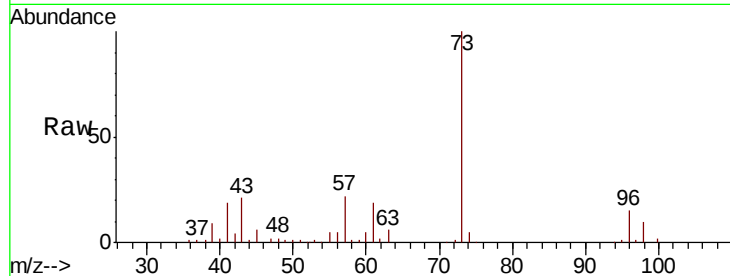




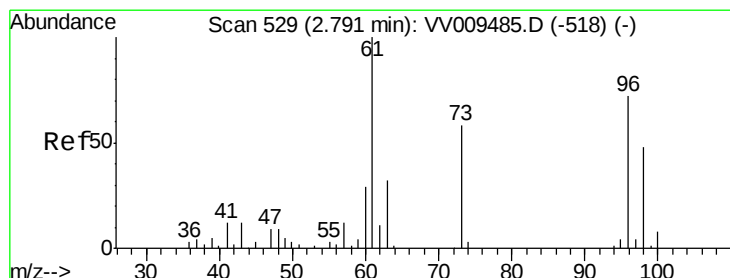
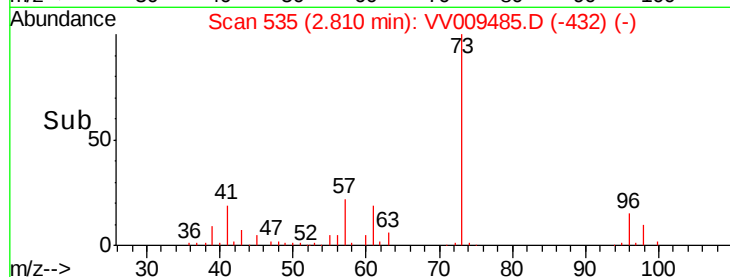
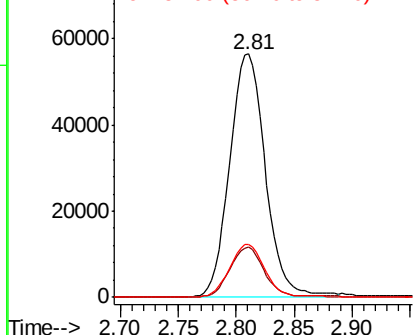
#17
Methyl tert-butyl Ether
Concen: 22.811 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

Tgt Ion: 73 Resp: 121099
Ion Ratio Lower Upper
73 100
43 20.0 15.0 22.4
57 21.6 17.0 25.4

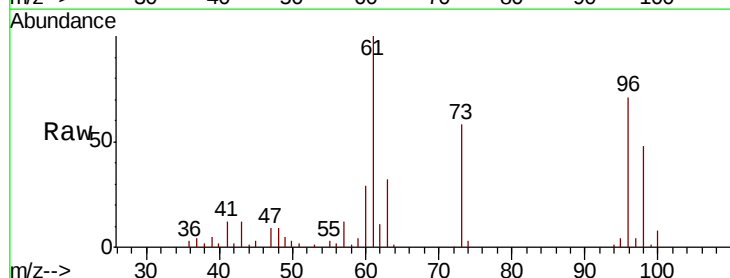


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

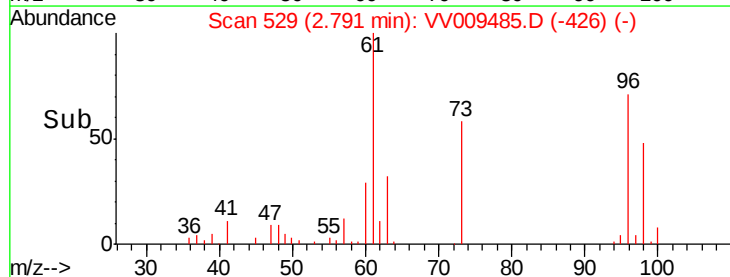
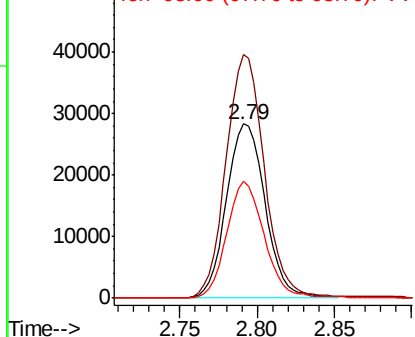


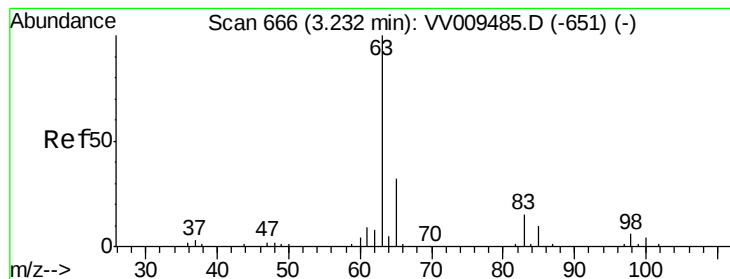
#18
trans-1,2-Dichloroethene
Concen: 23.272 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

Tgt Ion: 96 Resp: 49348
Ion Ratio Lower Upper
96 100
61 139.9 95.6 177.6
98 66.8 44.0 81.6



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





#19

1,1-Dichloroethane

Concen: 23.036 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampled :

VSTD02562

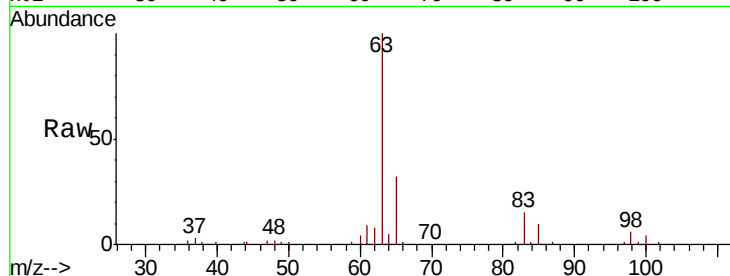
Tgt Ion: 63 Resp: 86776

Ion Ratio Lower Upper

63 100

65 32.0 22.1 41.1

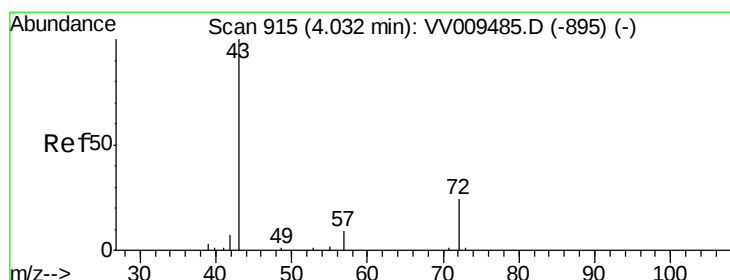
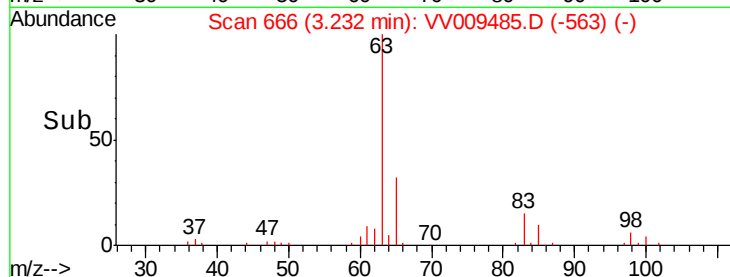
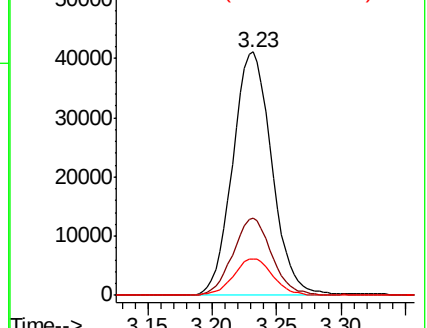
83 15.0 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VV009485.D (-651) (-)

Ion 65.00 (64.70 to 65.70): VV009485.D (-651) (-)

Ion 83.00 (82.70 to 83.70): VV009485.D (-651) (-)



#21

2-Butanone

Concen: 47.500 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.00 min

Lab File: VV009485.D

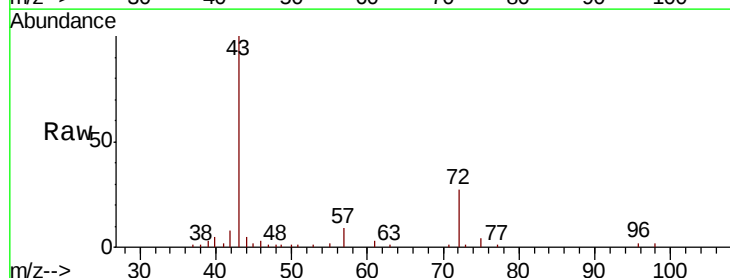
Acq: 05 Mar 2019 11:24

Tgt Ion: 43 Resp: 43578

Ion Ratio Lower Upper

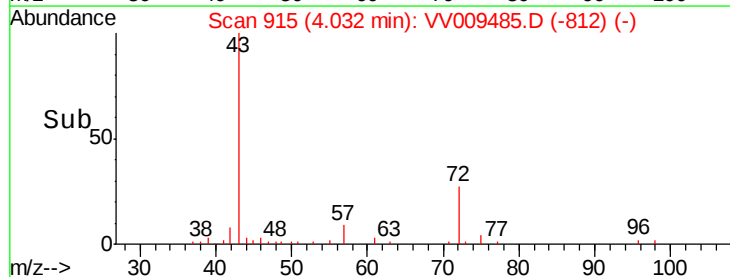
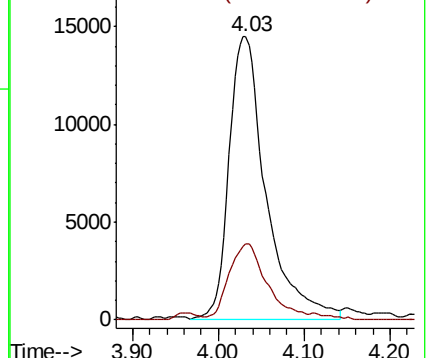
43 100

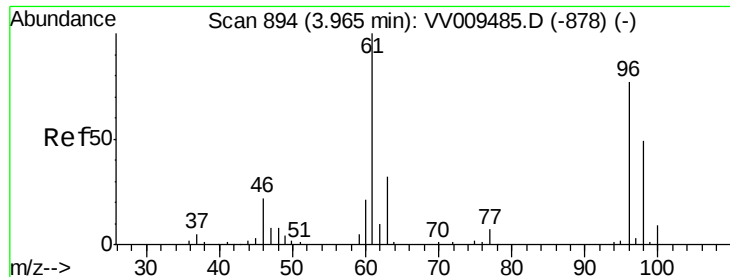
72 24.0 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VV009485.D (-895) (-)

Ion 72.00 (71.70 to 72.70): VV009485.D (-895) (-)



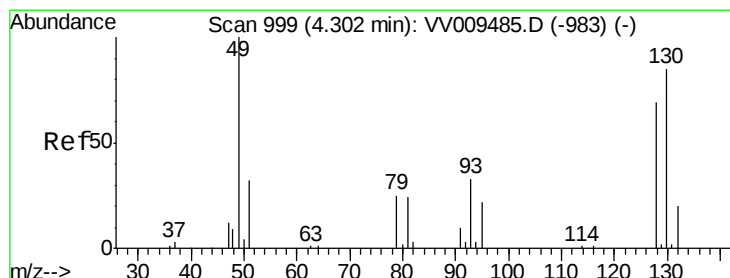
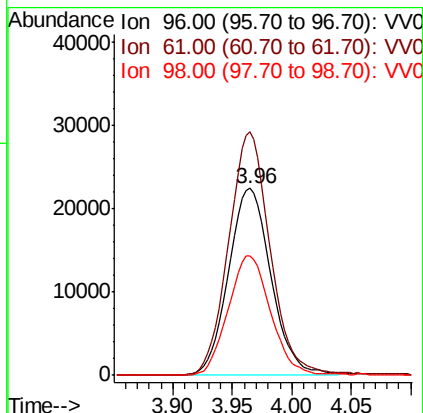
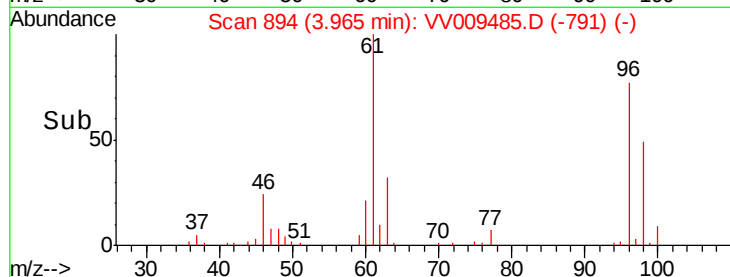
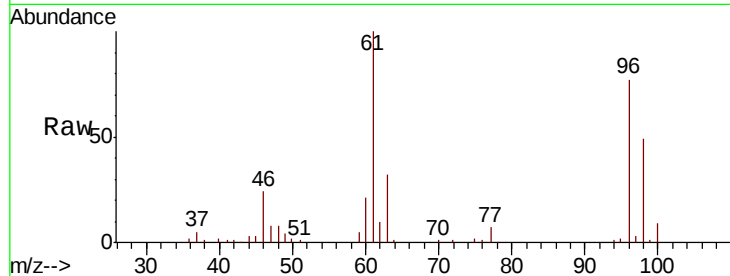


#22

cis-1,2-Dichloroethene
 Concen: 23.390 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

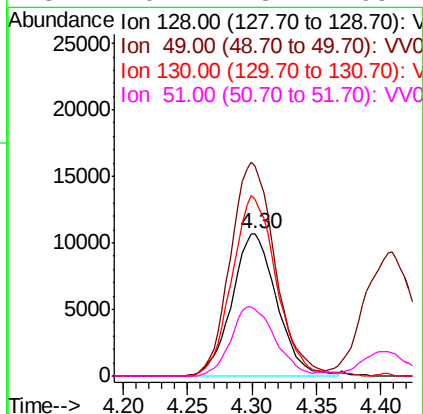
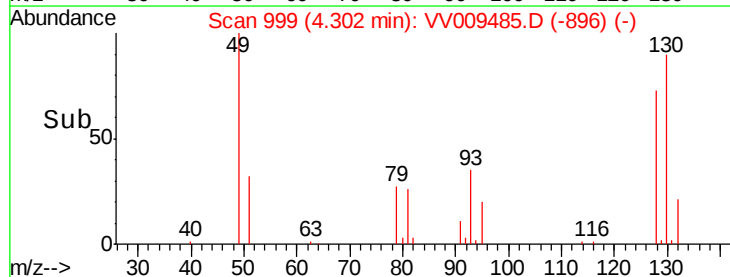
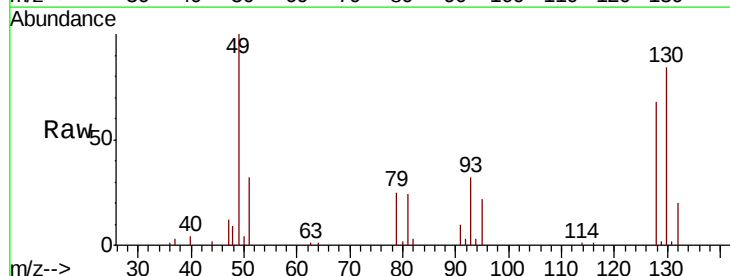
Tgt Ion: 96 Resp: 55762
 Ion Ratio Lower Upper
 96 100
 61 130.3 87.2 161.9
 98 63.7 44.6 82.8

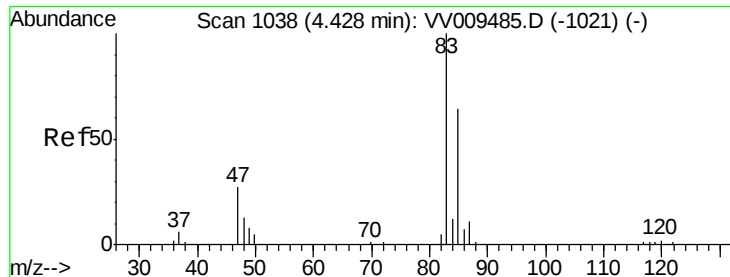


#23

Bromochloromethane
 Concen: 24.088 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion: 128 Resp: 25772
 Ion Ratio Lower Upper
 128 100
 49 147.0 115.5 214.5
 130 123.4 92.6 172.0
 51 46.4 43.4 65.2

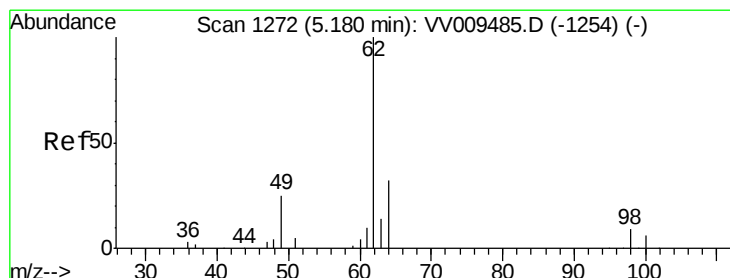
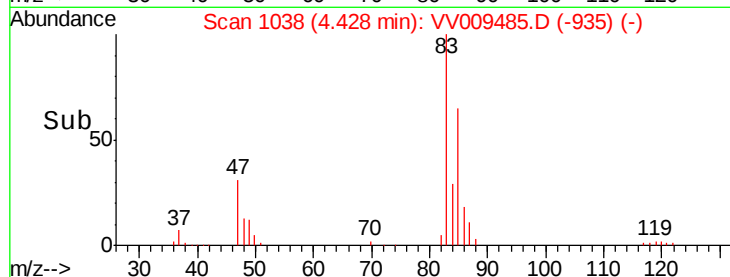
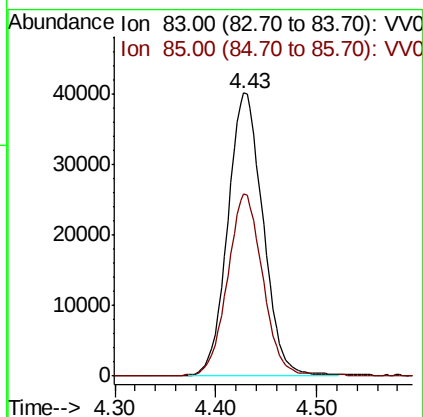
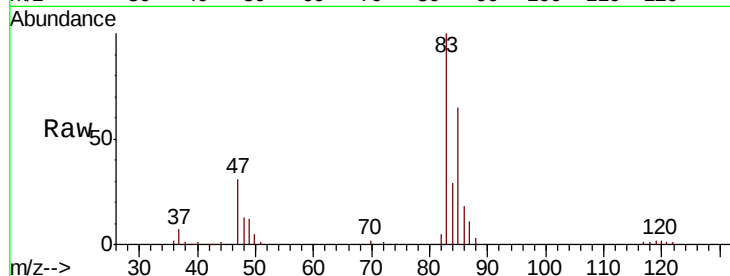




#25
Chloroform
Concen: 23.819 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

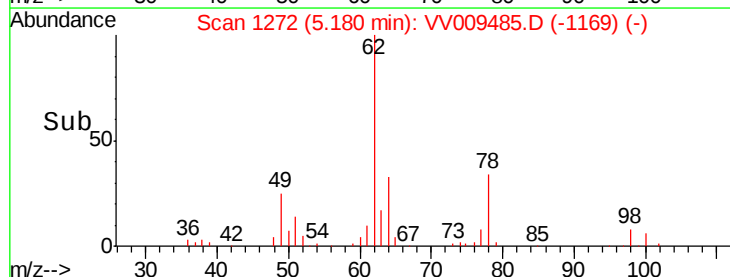
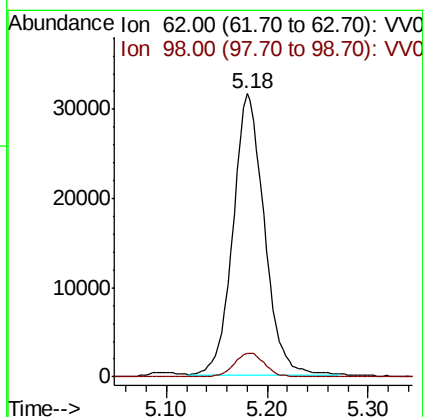
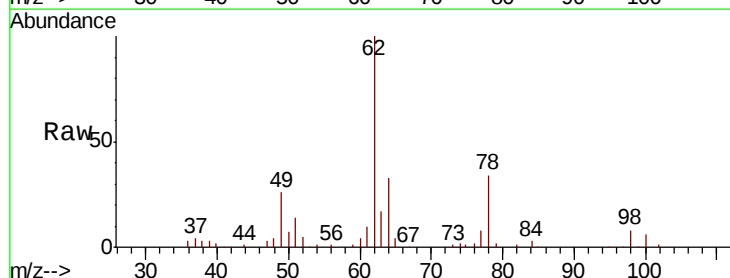
Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

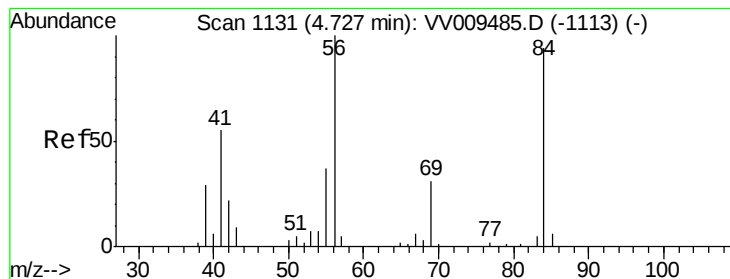
Tgt Ion: 83 Resp: 97645
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 23.824 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

Tgt Ion: 62 Resp: 67559
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0





#30

Cyclohexane

Concen: 22.126 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

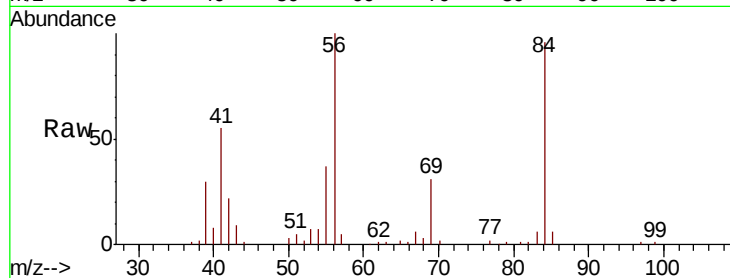
Tgt Ion: 56 Resp: 83929

Ion Ratio Lower Upper

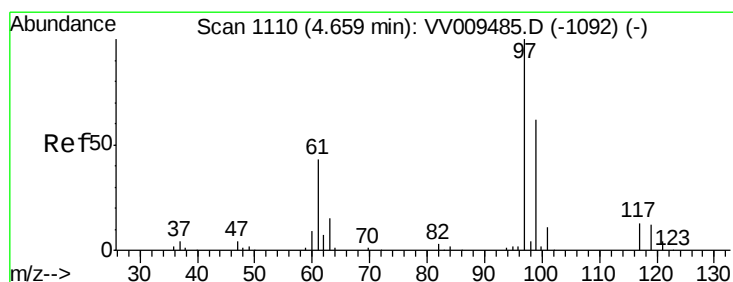
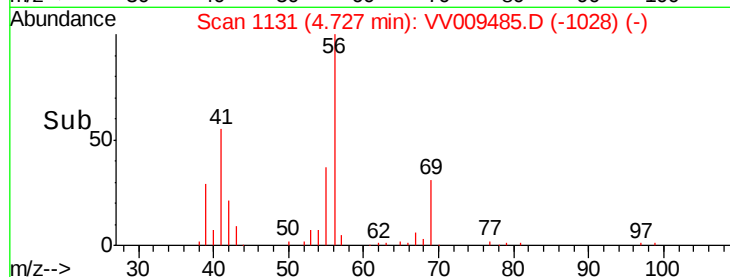
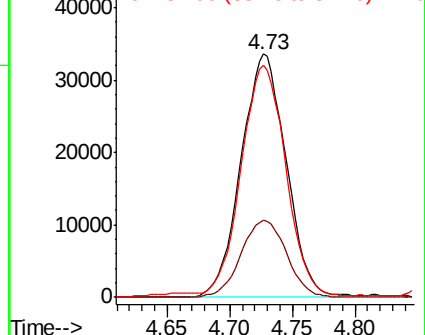
56 100

69 32.1 24.9 37.3

84 94.6 71.9 107.9



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



#31

1,1,1-Trichloroethane

Concen: 23.409 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

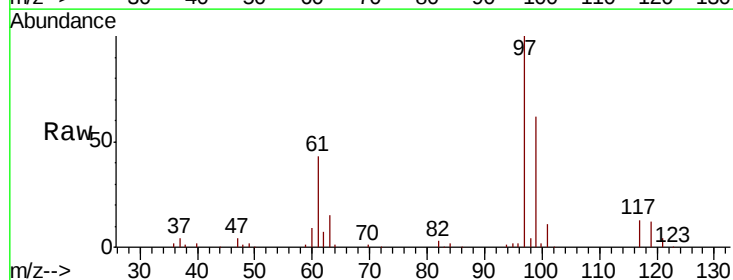
Tgt Ion: 97 Resp: 89024

Ion Ratio Lower Upper

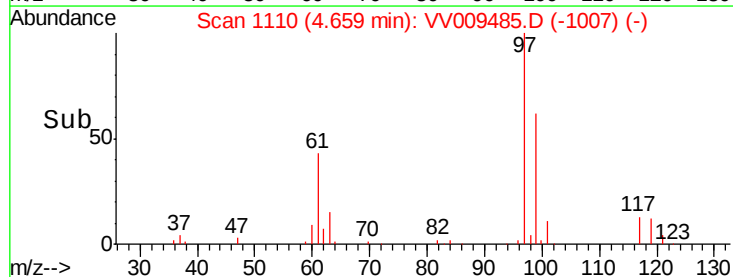
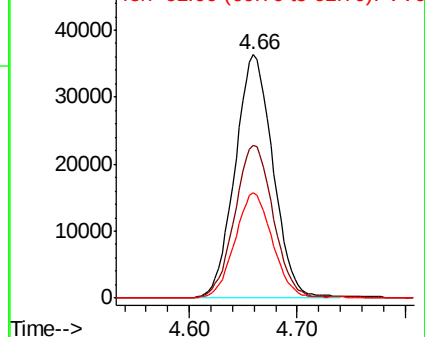
97 100

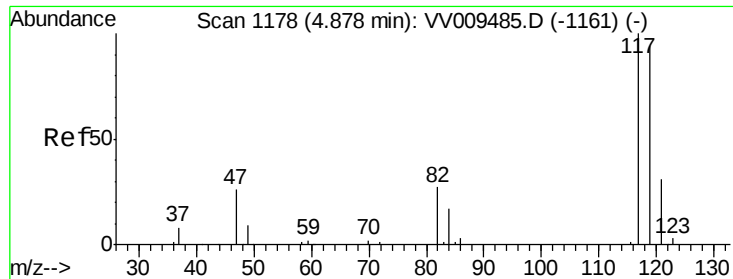
99 63.7 51.0 76.4

61 42.8 36.1 54.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 22.761 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

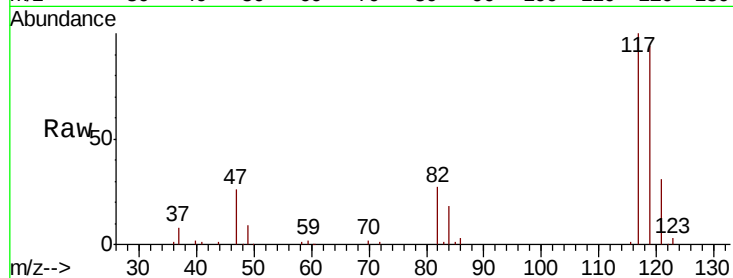
VSTD02562

Tgt Ion:117 Resp: 73824

Ion Ratio Lower Upper

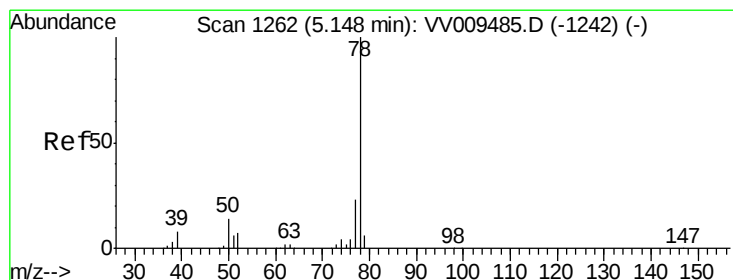
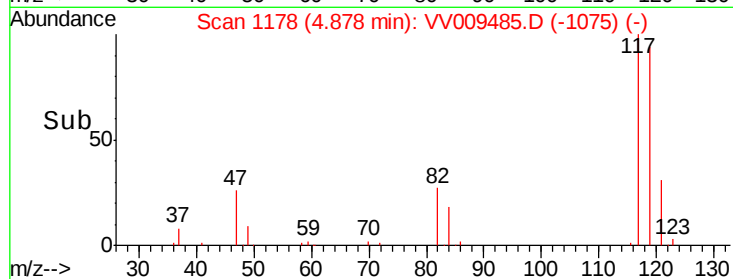
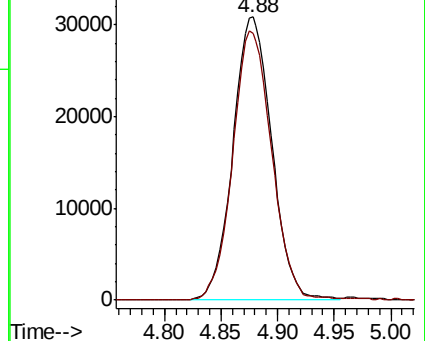
117 100

119 94.8 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: 22.709 ug/L

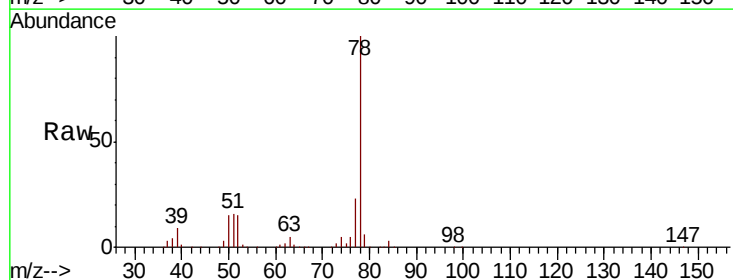
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

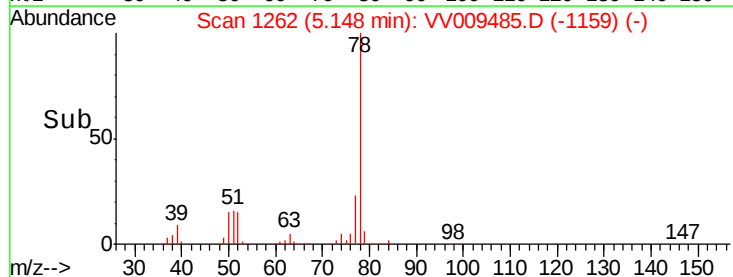
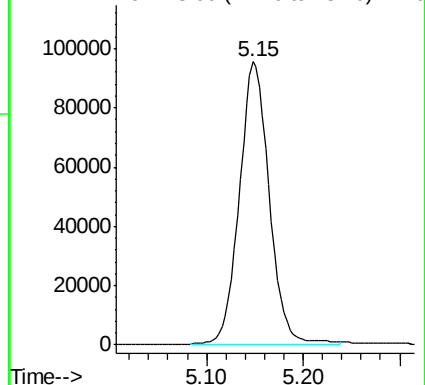
Lab File: VV009485.D

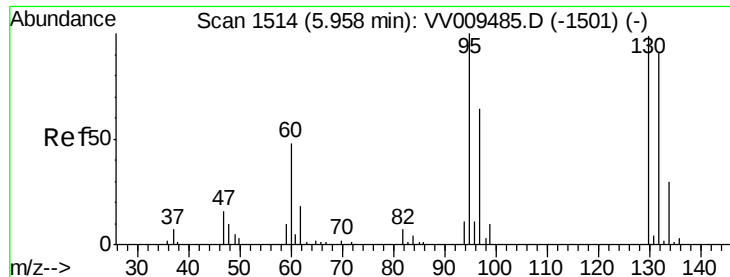
Acq: 05 Mar 2019 11:24

Tgt Ion: 78 Resp: 202747



Abundance Ion 78.00 (77.70 to 78.70): VV0

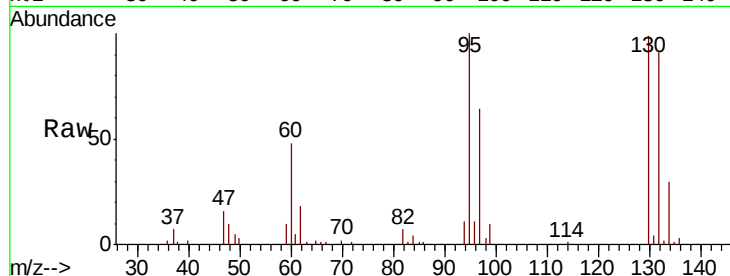




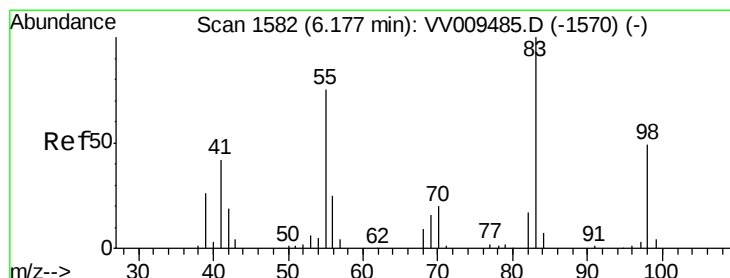
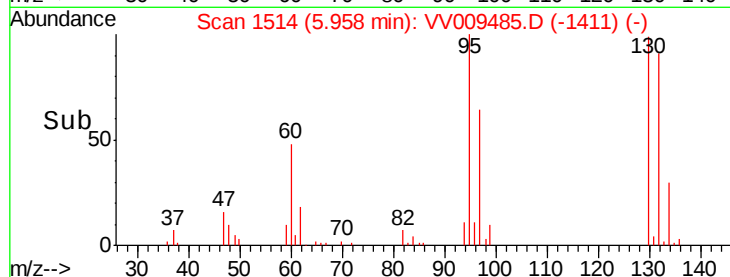
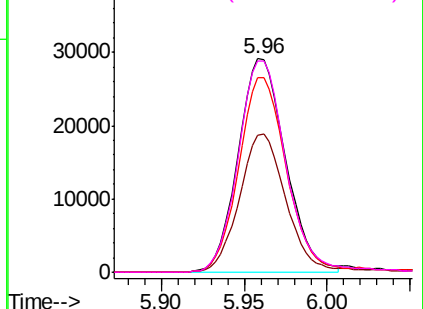
#35
 Trichloroethene
 Concen: 23.437 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

Tgt Ion: 95 Resp: 57922
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.3 82.3
 132 91.4 64.4 119.6
 130 100.4 69.4 128.8

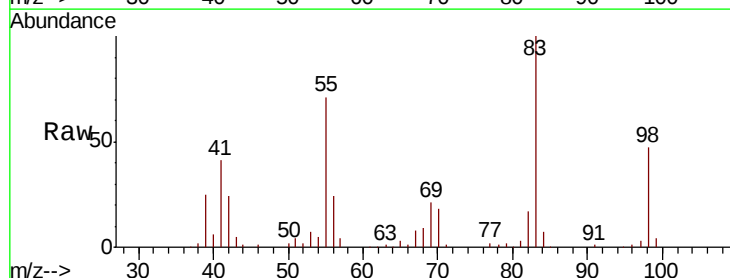


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

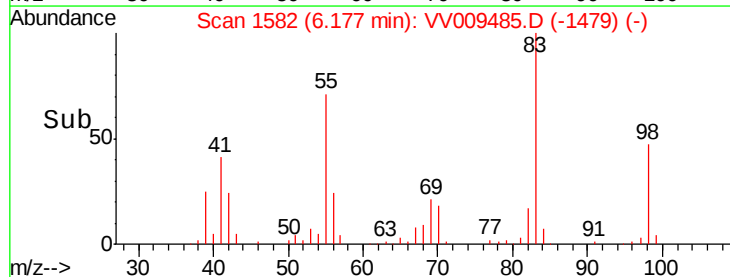
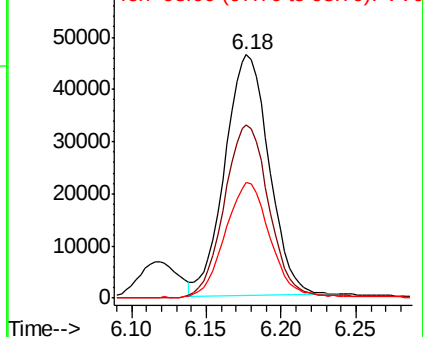


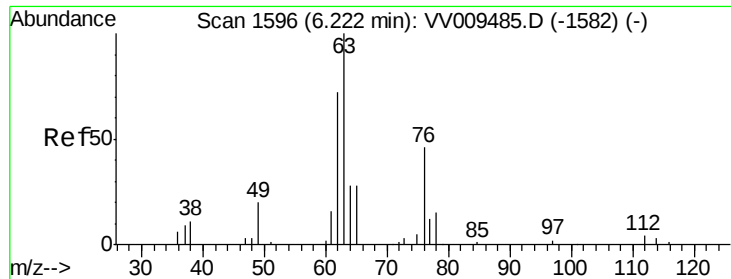
#36
 Methylcyclohexane
 Concen: 22.061 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion: 83 Resp: 95196
 Ion Ratio Lower Upper
 83 100
 55 72.9 58.8 88.2
 98 48.6 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

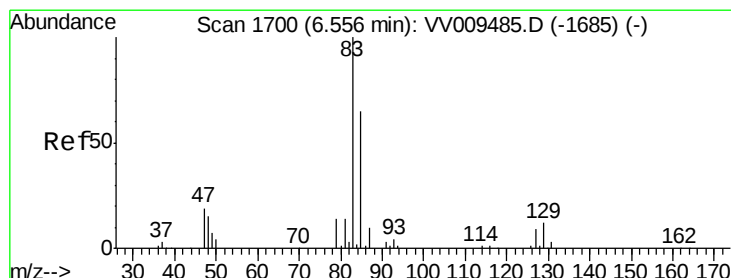
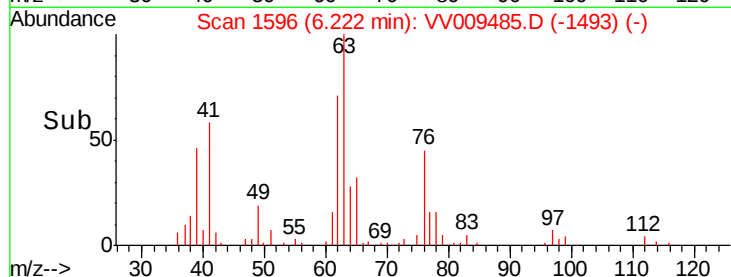
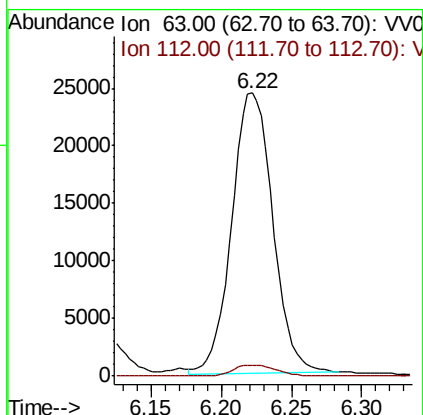
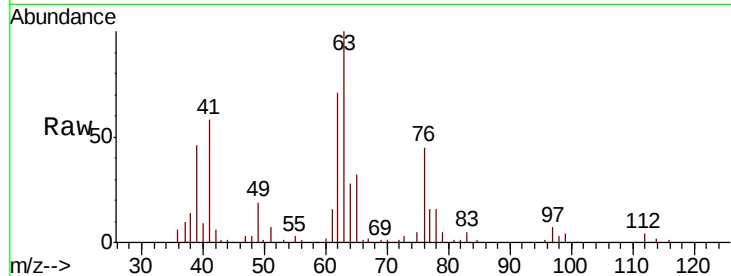




#40
 1,2-Dichloropropane
 Concen: 22.457 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

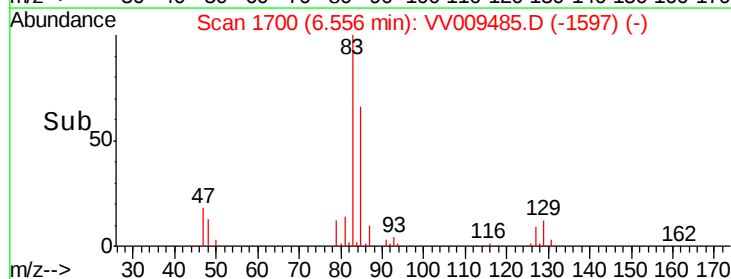
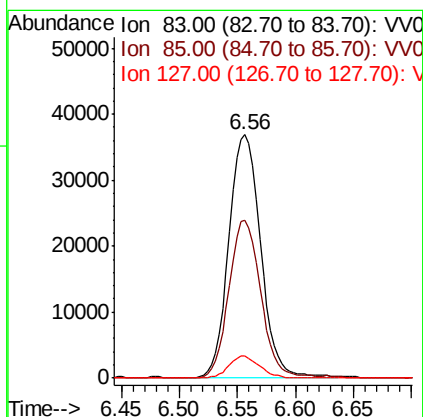
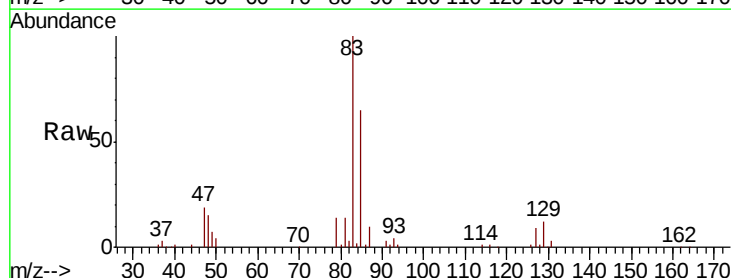
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02562

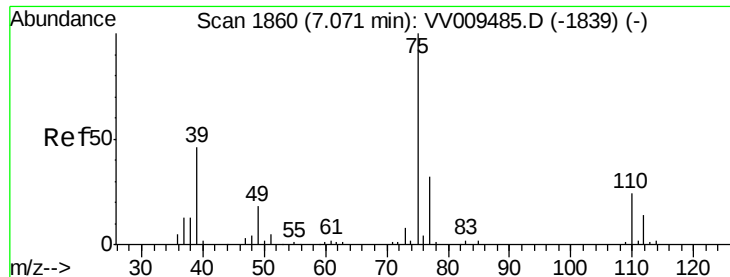
Tgt Ion: 63 Resp: 49808
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#41
 Bromodichloromethane
 Concen: 22.406 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion: 83 Resp: 70671
 Ion Ratio Lower Upper
 83 100
 85 64.8 46.5 86.3
 127 9.1 7.2 10.8

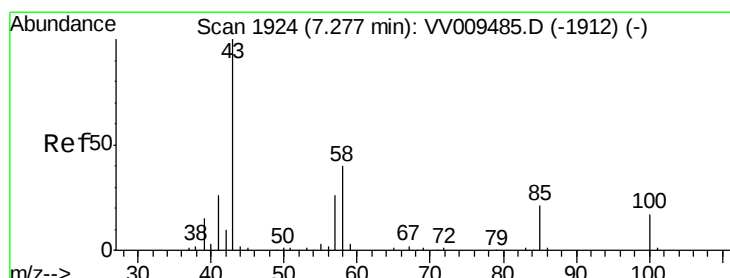
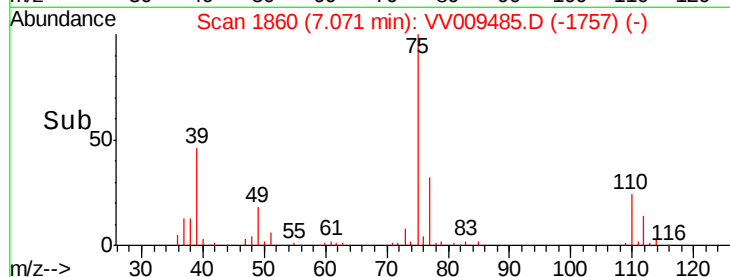
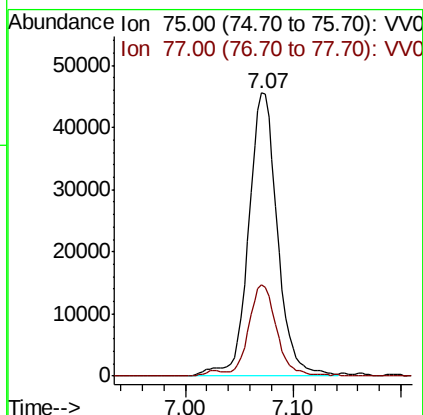
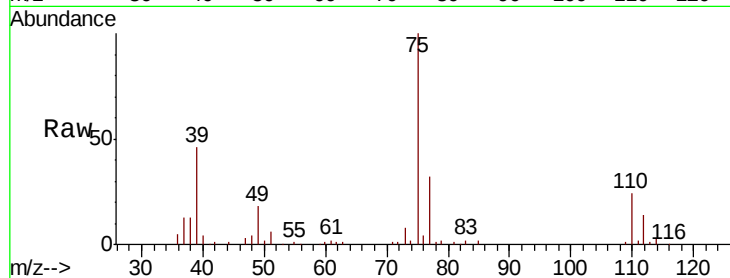




#42
 cis-1,3-Dichloropropene
 Concen: 24.062 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

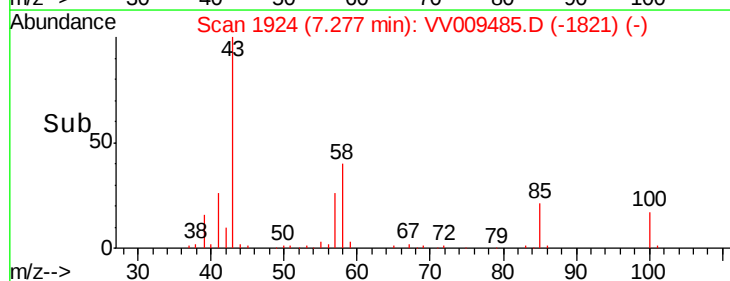
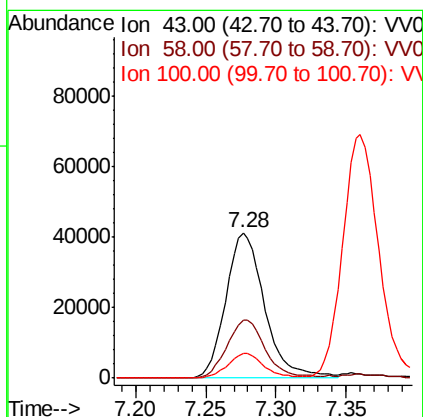
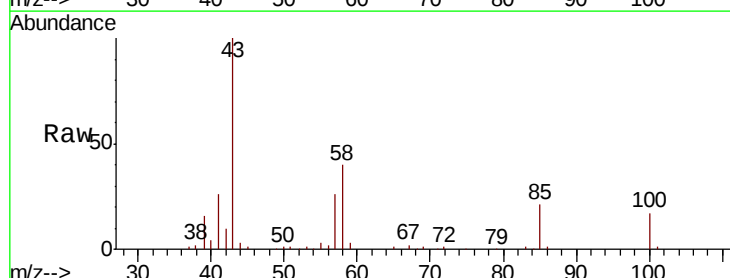
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

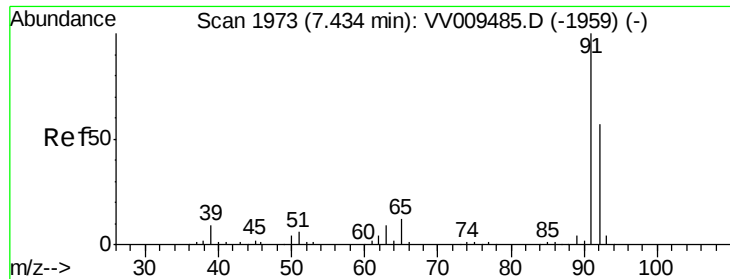
Tgt Ion: 75 Resp: 84797
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.4 39.8



#43
 4-Methyl-2-pentanone
 Concen: 49.733 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion: 43 Resp: 78864
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.9 47.9
 100 16.0 12.8 19.2





#44

Toluene

Concen: 23.219 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampled :

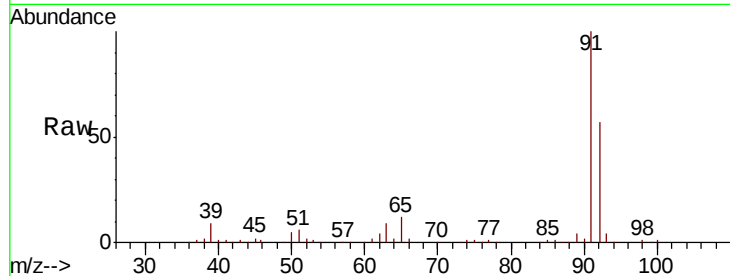
VSTD02562

Tgt Ion: 91 Resp: 231852

Ion Ratio Lower Upper

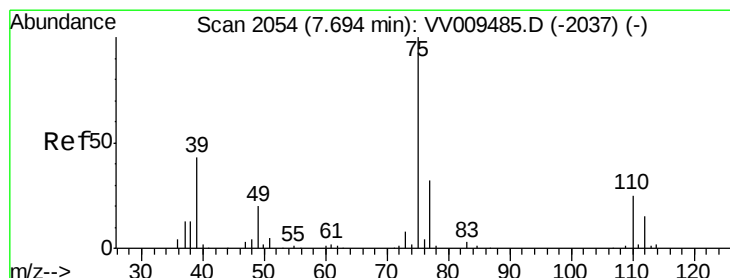
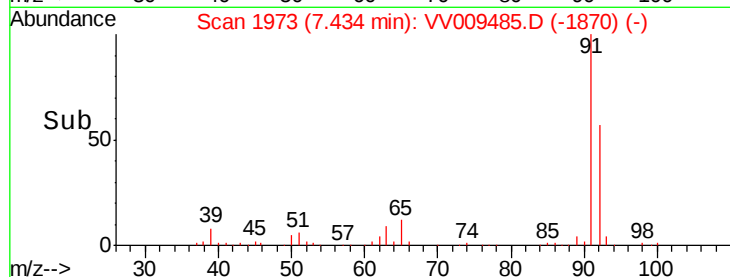
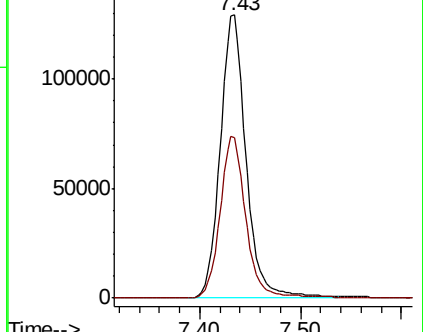
91 100

92 56.5 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) (-)



#45

trans-1,3-Dichloropropene

Concen: 22.460 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009485.D

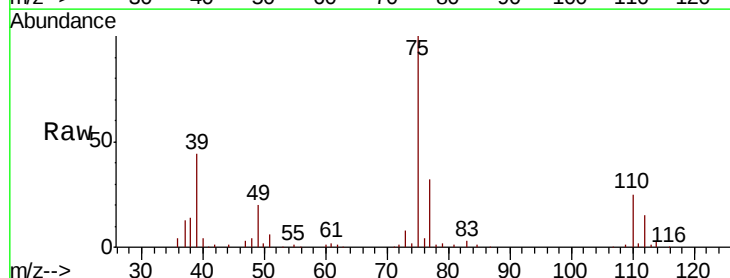
Acq: 05 Mar 2019 11:24

Tgt Ion: 75 Resp: 71760

Ion Ratio Lower Upper

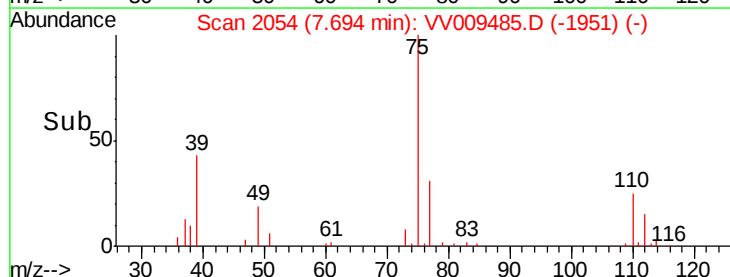
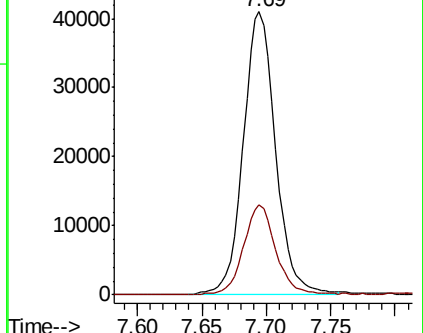
75 100

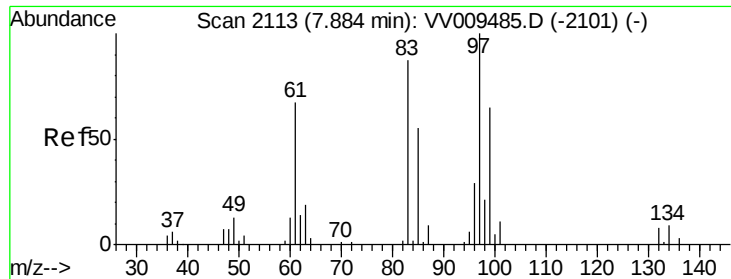
77 31.7 22.5 41.7



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

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

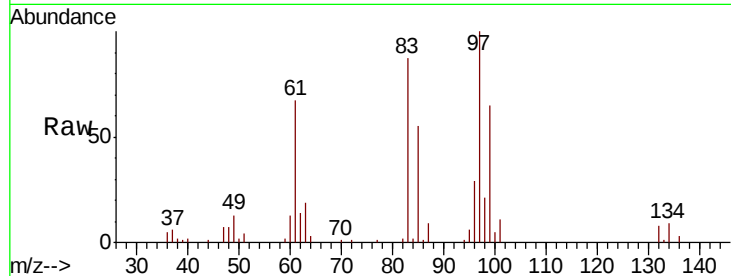




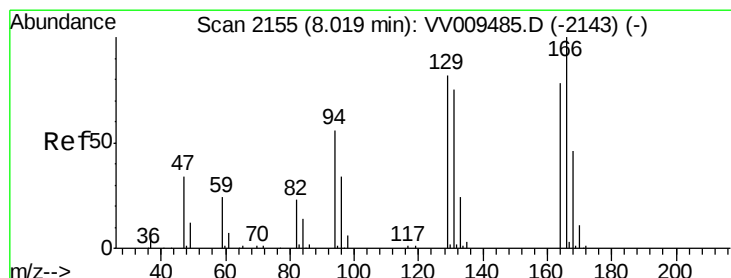
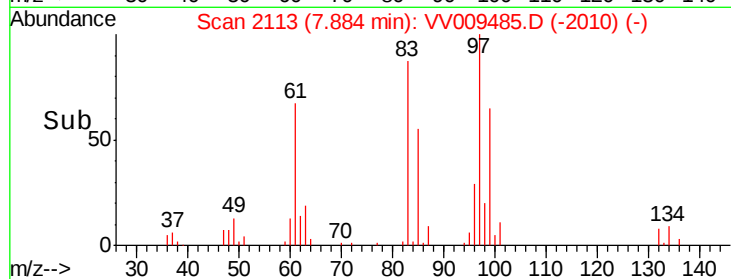
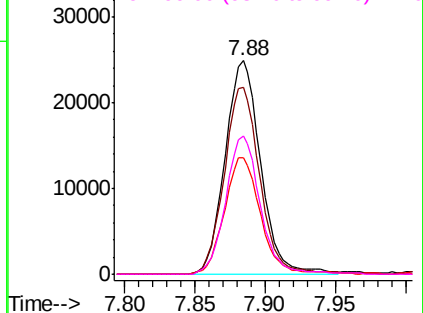
#46
 1,1,2-Trichloroethane
 Concen: 23.989 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

Tgt Ion:	97	Resp:	43949
Ion	Ratio	Lower	Upper
97	100		
83	87.3	63.8	118.6
85	54.8	39.5	73.4
99	64.7	45.9	85.3

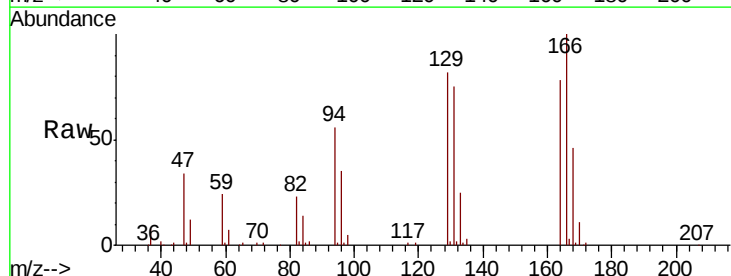


Abundance Ion 97.00 (96.70 to 97.70): VV009485.D (-2101) (-)

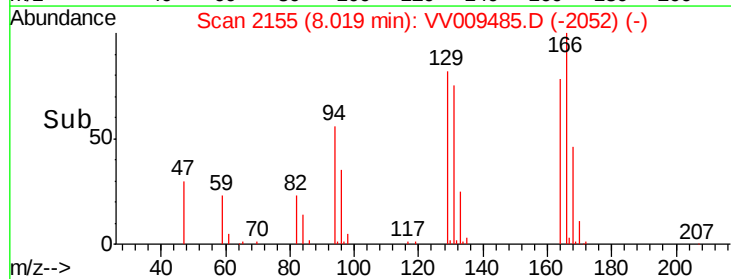
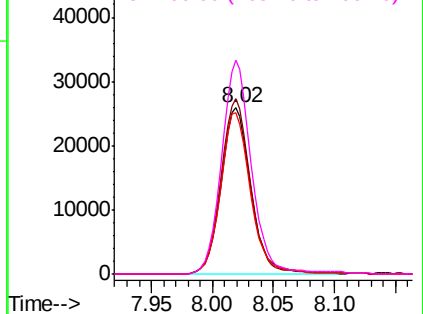


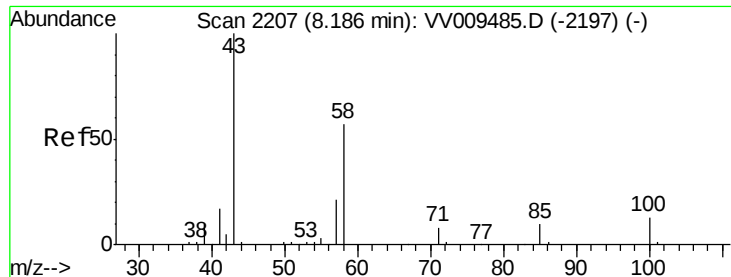
#47
 Tetrachloroethene
 Concen: 24.465 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion:	164	Resp:	44784
Ion	Ratio	Lower	Upper
164	100		
129	105.3	67.7	125.7
131	97.0	67.5	125.3
166	128.5	81.6	151.6



Abundance Ion 164.00 (163.70 to 164.70): VV009485.D (-2143) (-)

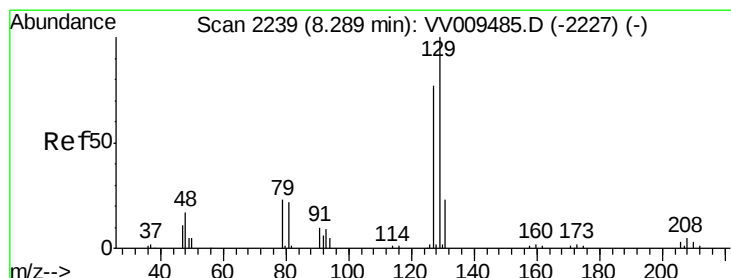
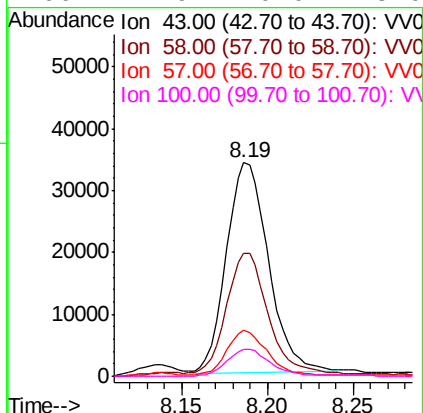
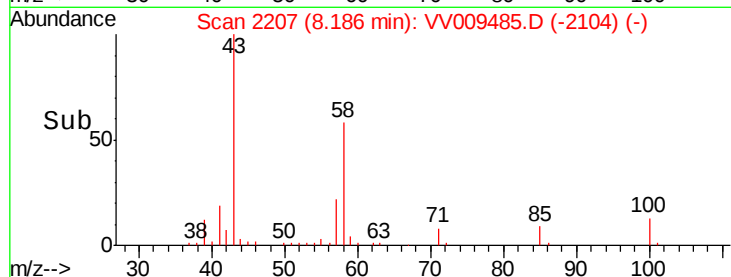
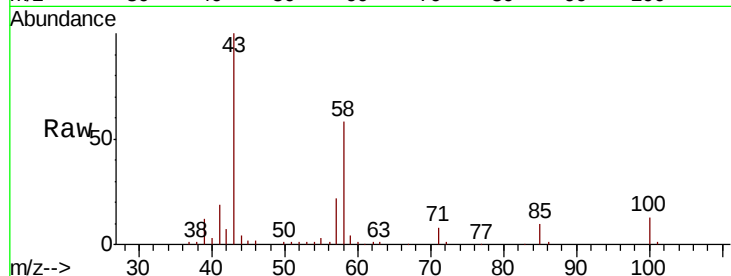




#49
2-Hexanone
Concen: 43.806 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

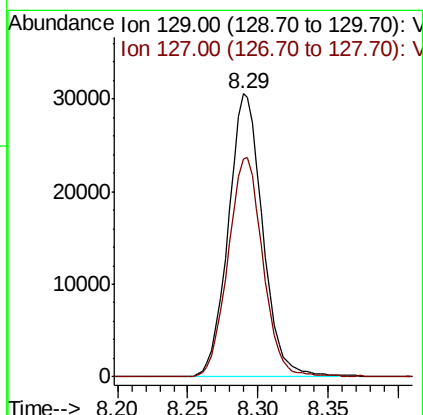
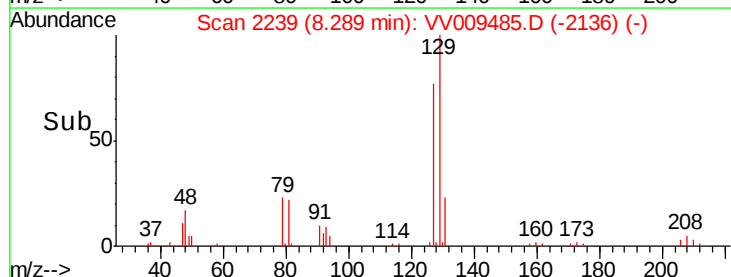
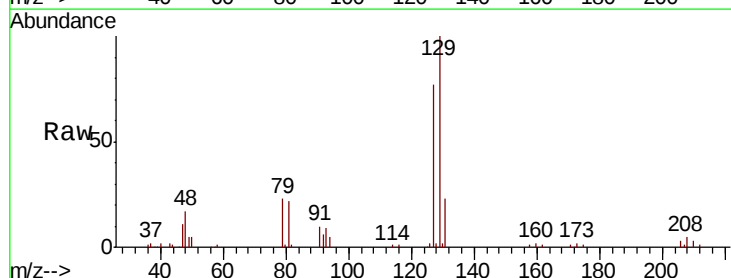
Instrument :
MSVOA_V
ClientSampleID :
VSTD02562

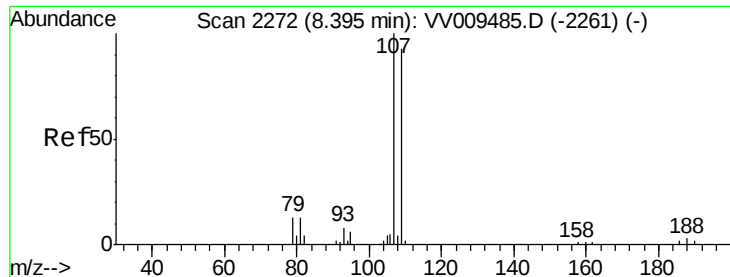
Tgt Ion: 43 Resp: 58001
Ion Ratio Lower Upper
43 100
58 57.0 46.3 69.5
57 20.3 15.8 23.6
100 12.9 10.0 15.0



#50
Dibromochloromethane
Concen: 22.693 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

Tgt Ion: 129 Resp: 52003
Ion Ratio Lower Upper
129 100
127 77.2 53.7 99.7





#51

1,2-Dibromoethane

Concen: 24.438 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

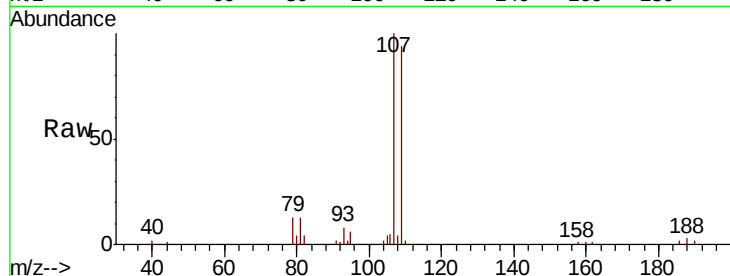
Tgt Ion:107 Resp: 45072

Ion Ratio Lower Upper

107 100

109 93.5 65.6 121.8

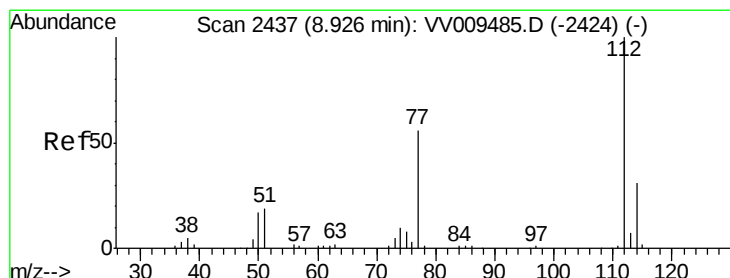
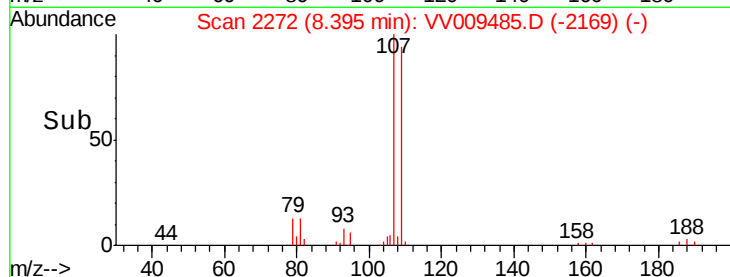
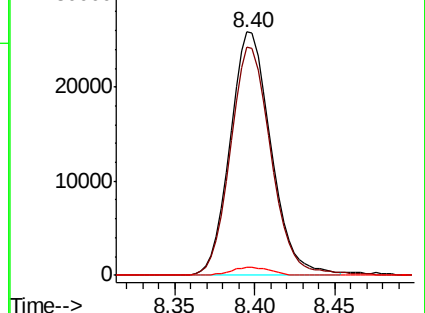
188 3.1 2.3 3.5



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: 23.524 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

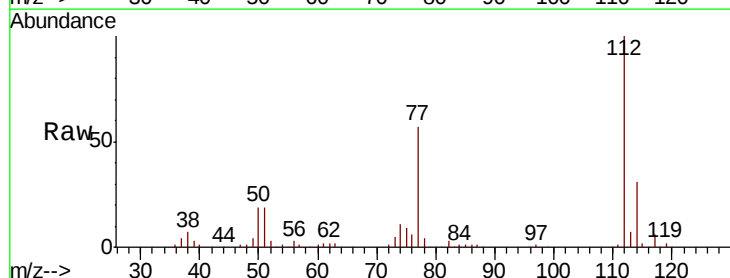
Tgt Ion:112 Resp: 152151

Ion Ratio Lower Upper

112 100

77 56.6 45.0 67.6

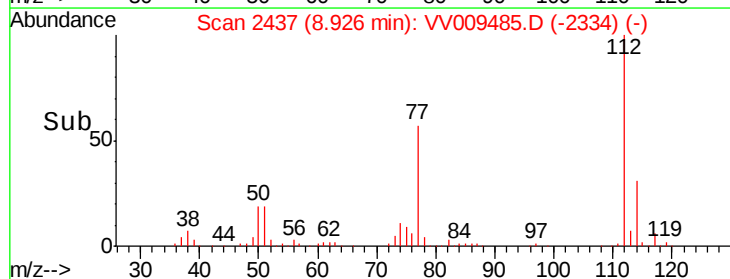
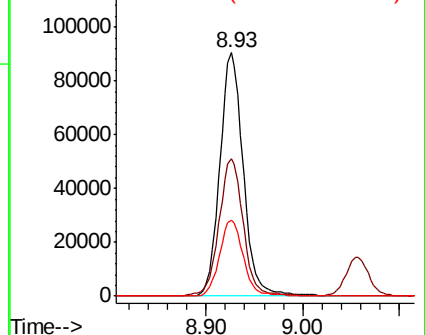
114 31.4 22.9 42.5

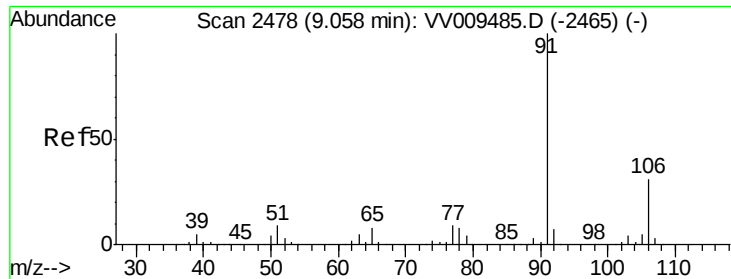


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

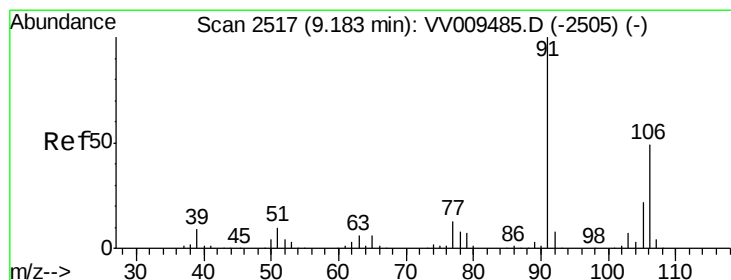
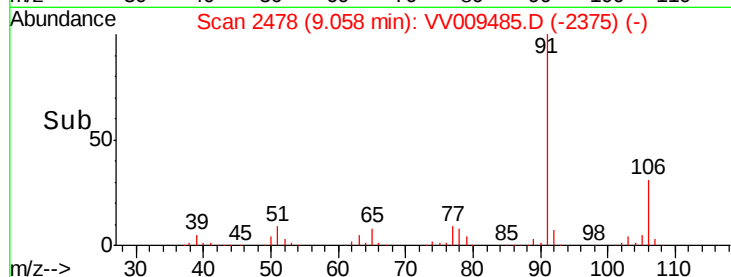
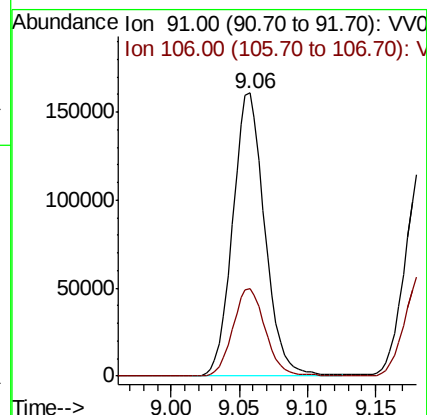
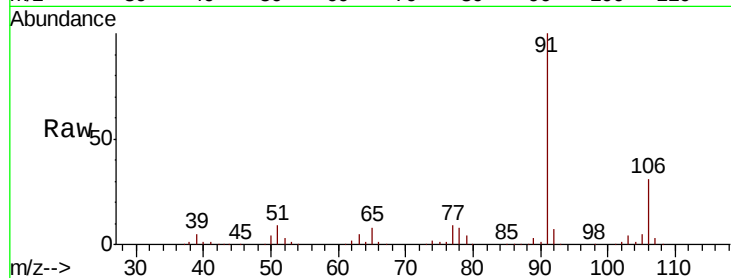




#53
Ethylbenzene
Concen: 23.048 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

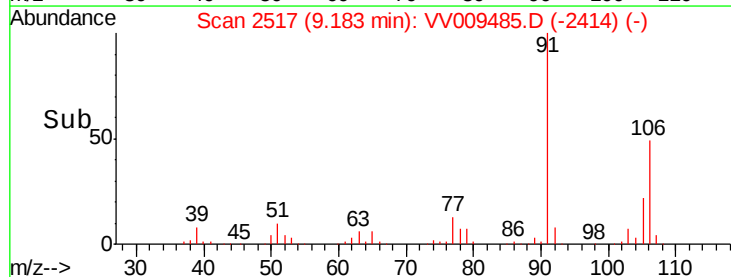
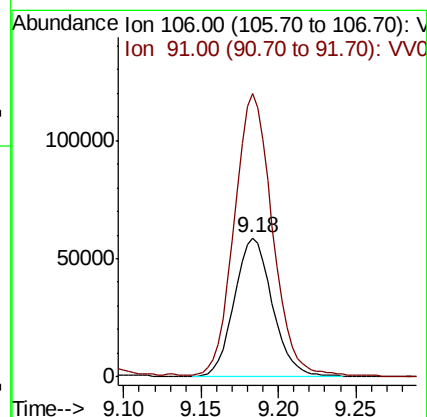
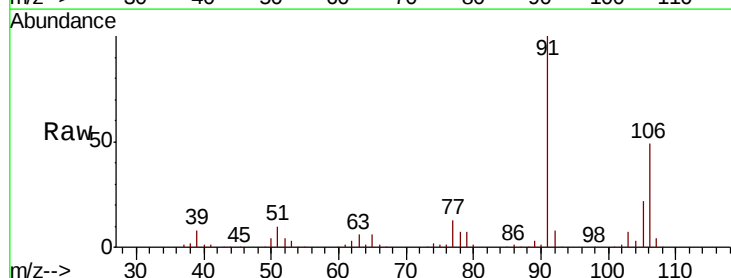
Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

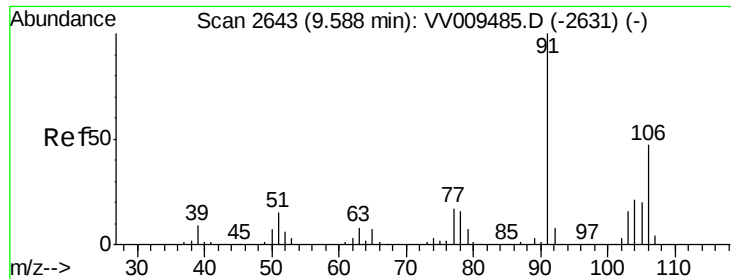
Tgt Ion: 91 Resp: 263228
Ion Ratio Lower Upper
91 100
106 31.0 23.0 42.6



#54
m,p-Xylene
Concen: 22.284 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009485.D
Acq: 05 Mar 2019 11:24

Tgt Ion: 106 Resp: 99137
Ion Ratio Lower Upper
106 100
91 203.2 138.5 257.1





#55

o-xylene

Concen: 23.451 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

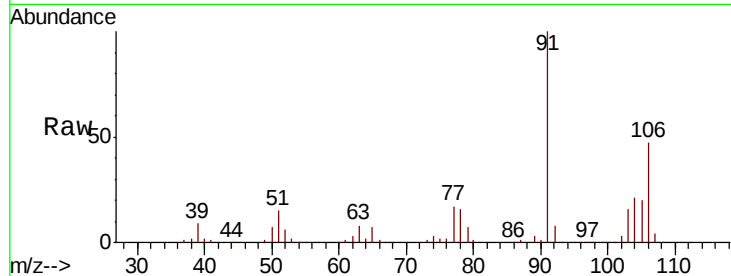
VSTD02562

Tgt Ion:106 Resp: 98915

Ion Ratio Lower Upper

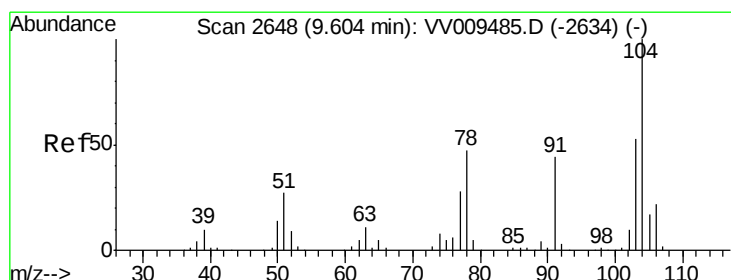
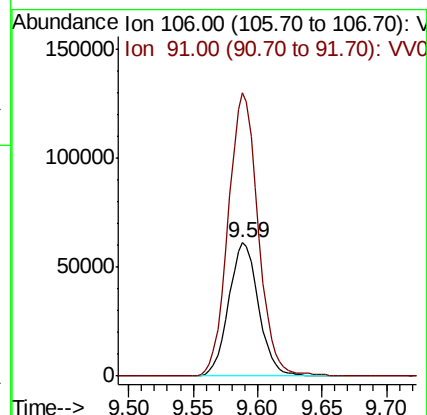
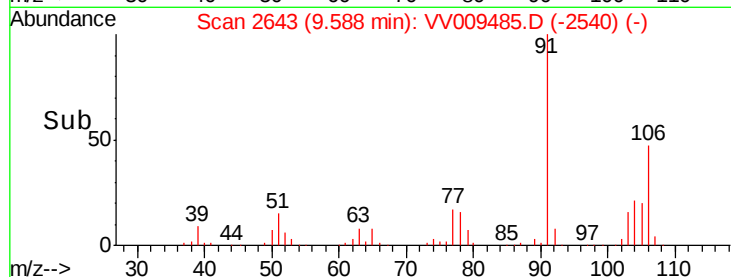
106 100

91 212.8 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 22.323 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009485.D

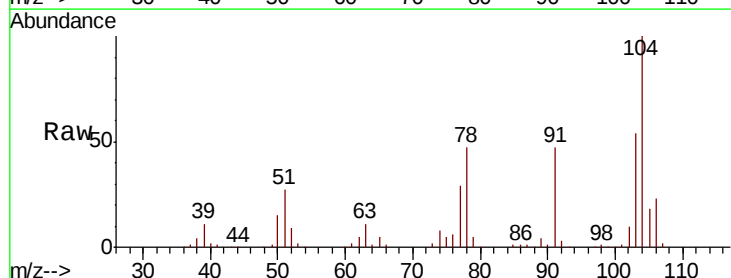
Acq: 05 Mar 2019 11:24

Tgt Ion:104 Resp: 157935

Ion Ratio Lower Upper

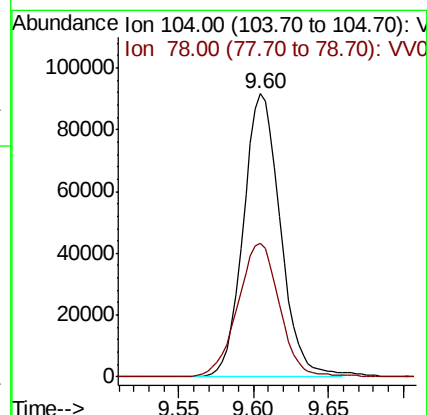
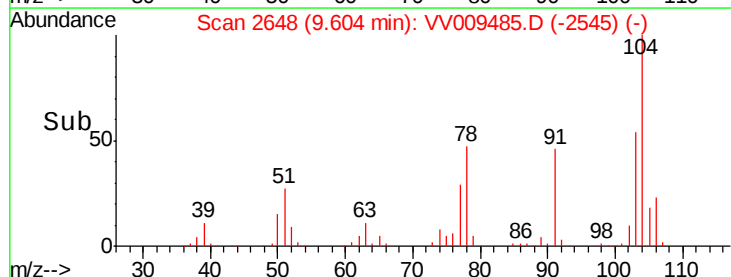
104 100

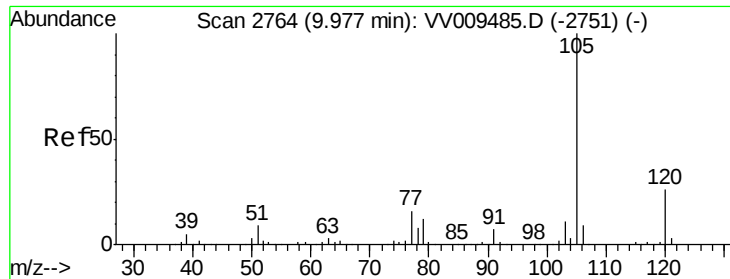
78 47.4 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.012 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

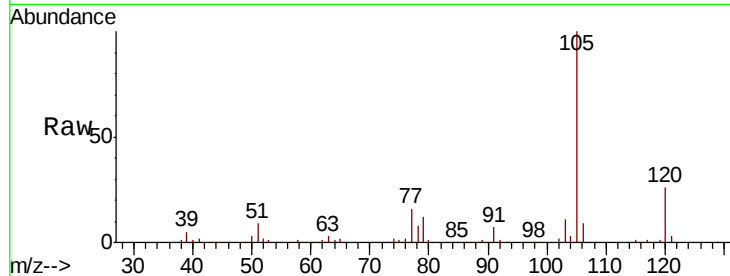
Tgt Ion: 105 Resp: 265187

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

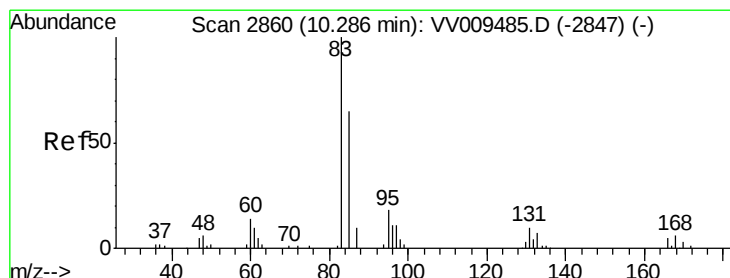
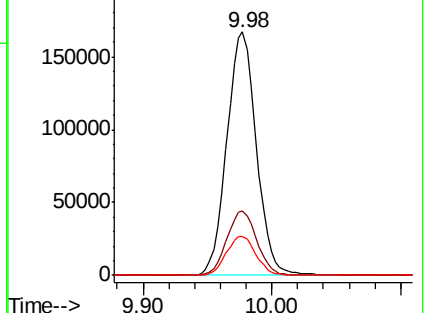
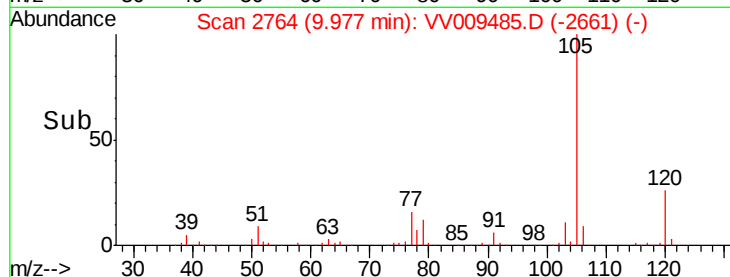
77 16.3 12.8 19.2



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: 24.718 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

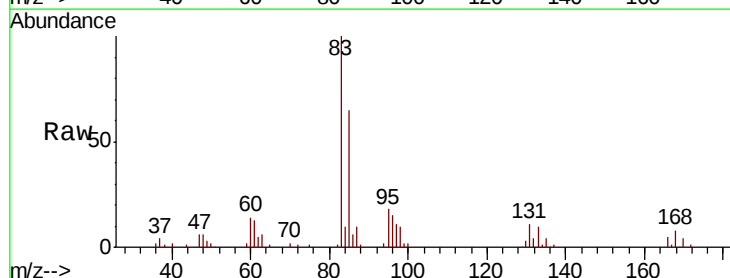
Tgt Ion: 83 Resp: 61579

Ion Ratio Lower Upper

83 100

85 65.1 44.7 83.1

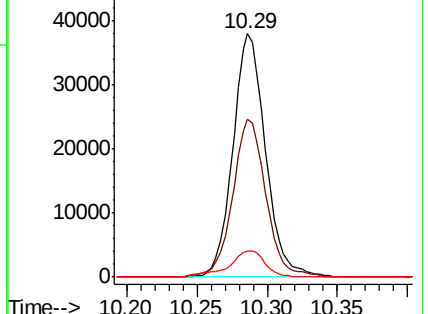
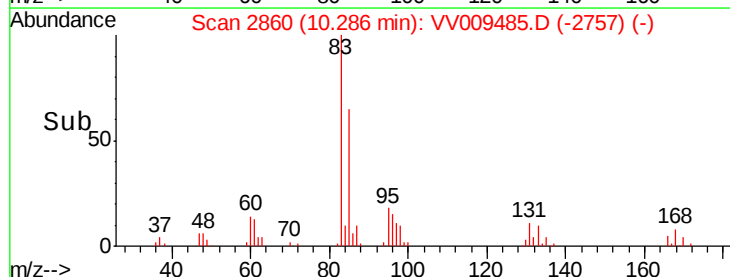
131 10.8 7.0 10.6#

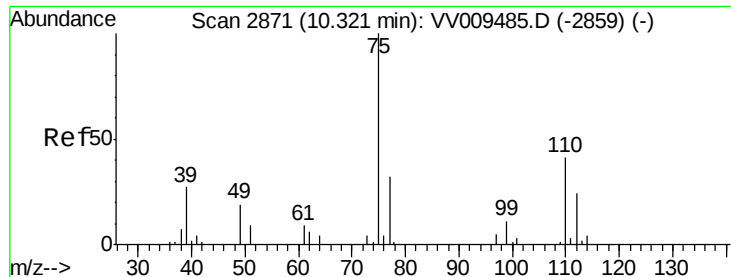


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

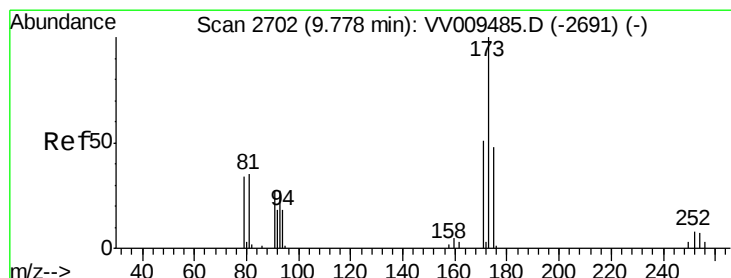
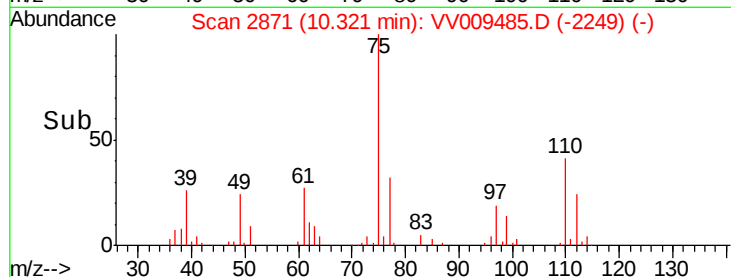
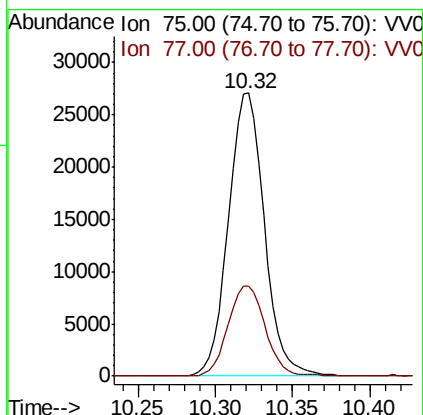
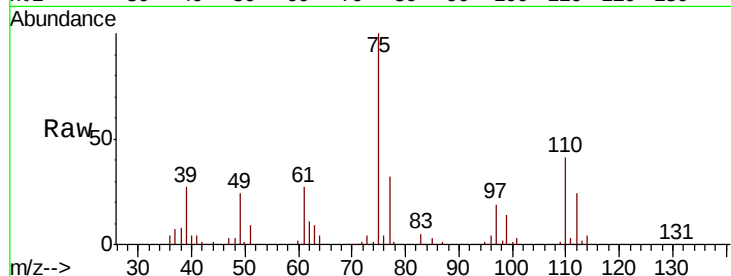




#59
 1,2,3-Trichloropropane
 Concen: 24.607 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

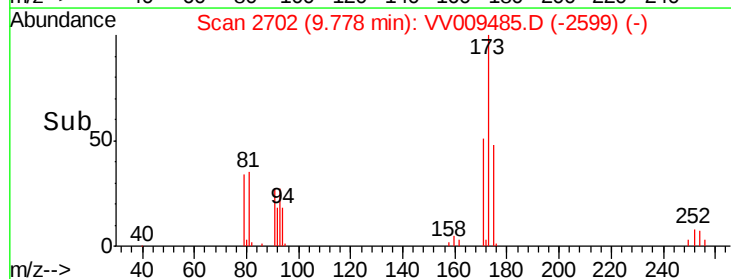
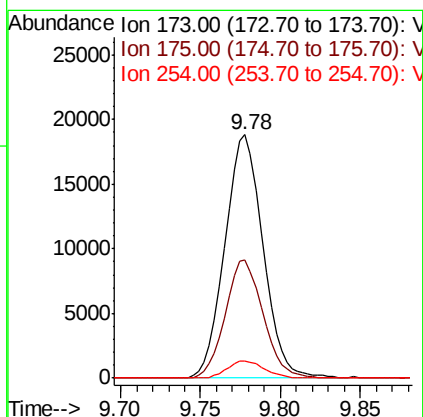
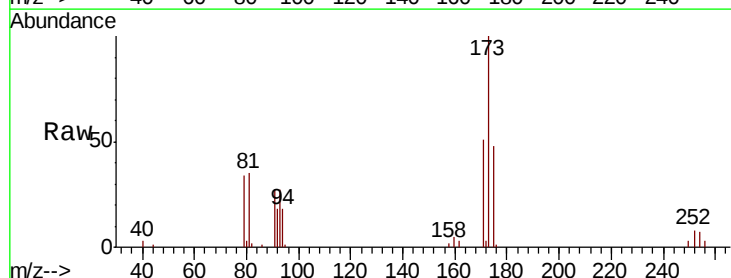
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02562

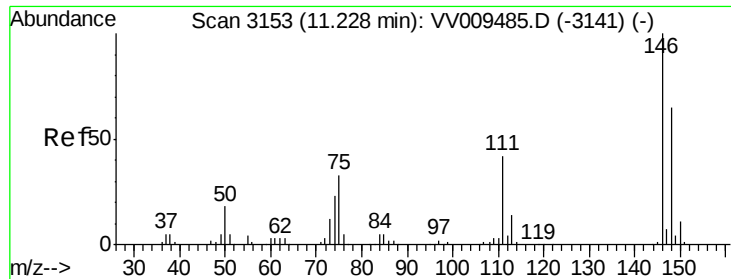
Tgt Ion: 75 Resp: 43662
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.9 38.9



#62
 Bromoform
 Concen: 22.459 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion: 173 Resp: 30632
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.8 58.2
 254 6.7 5.8 8.8

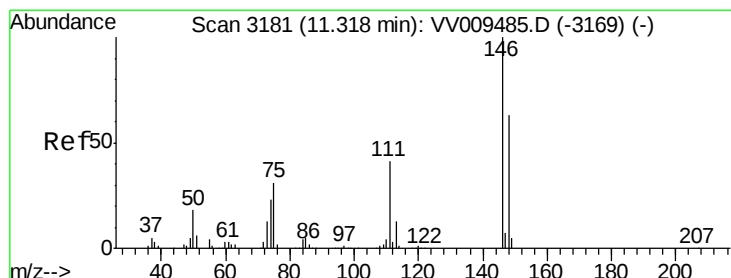
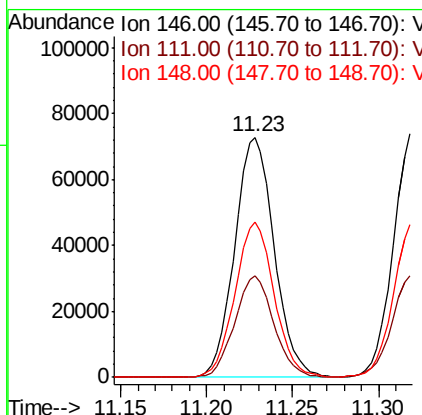
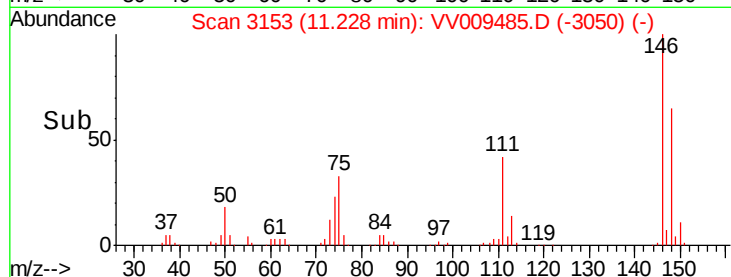
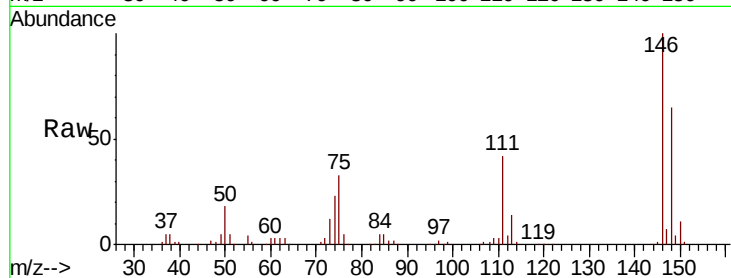




#63
 1,3-Dichlorobenzene
 Concen: 23.812 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

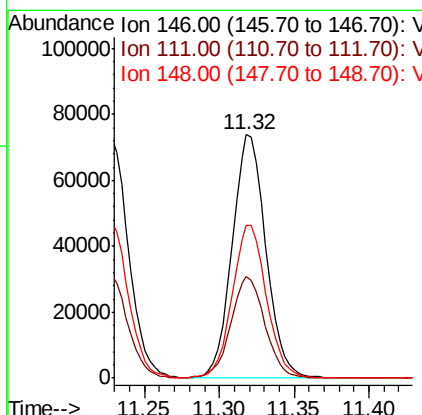
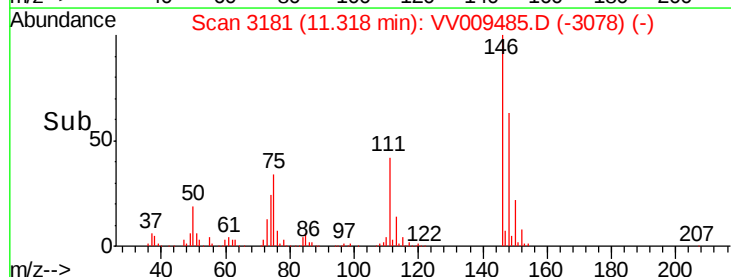
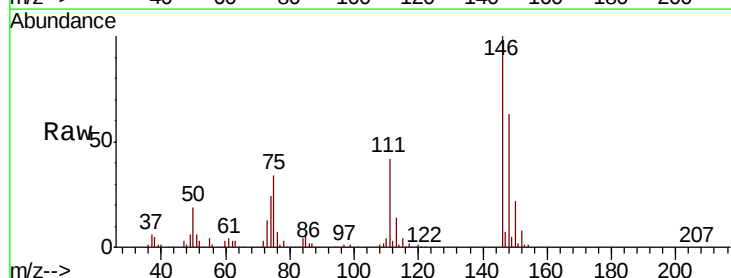
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

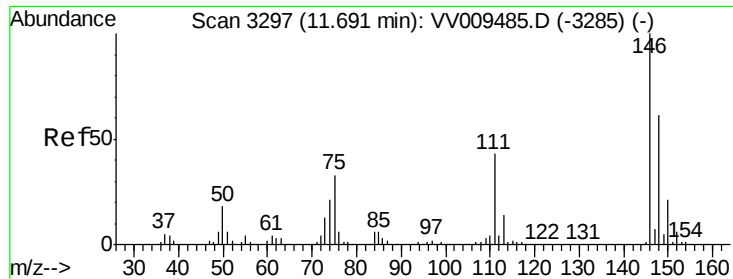
Tgt Ion:146 Resp: 116129
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.6 55.0
 148 64.9 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 23.790 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion:146 Resp: 115808
 Ion Ratio Lower Upper
 146 100
 111 41.5 29.2 54.2
 148 62.9 43.0 79.8

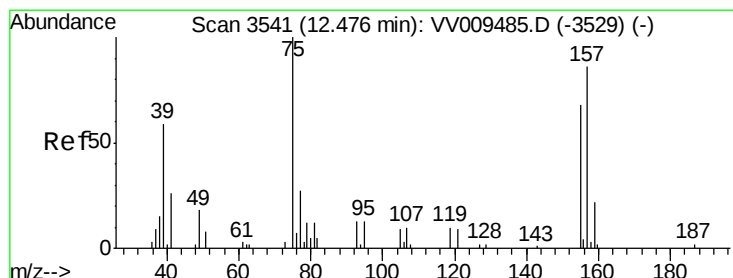
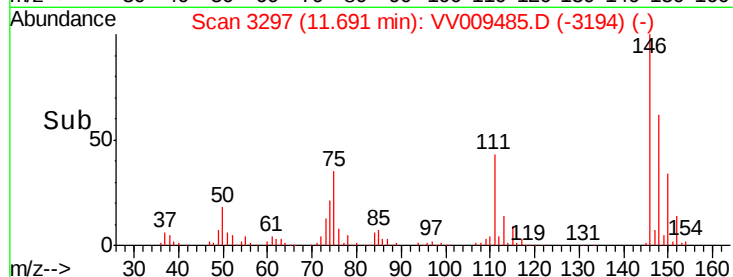
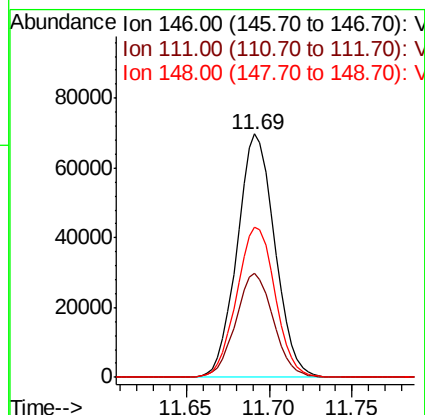
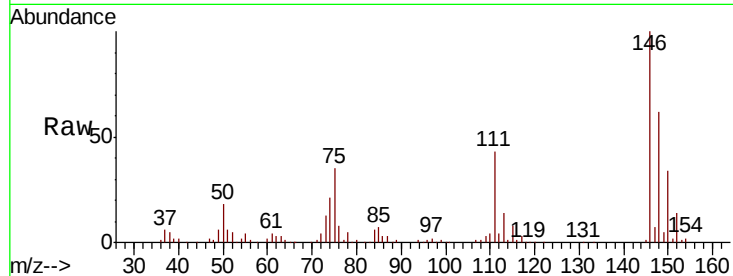




#65
 1,2-Dichlorobenzene
 Concen: 24.097 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

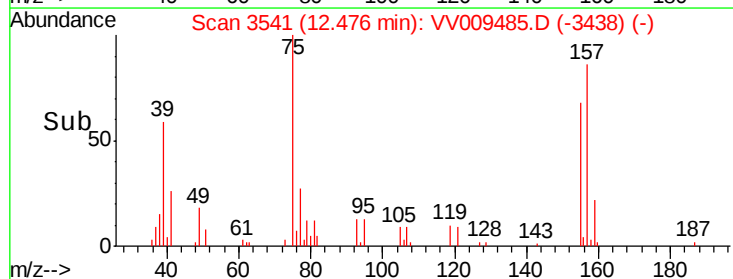
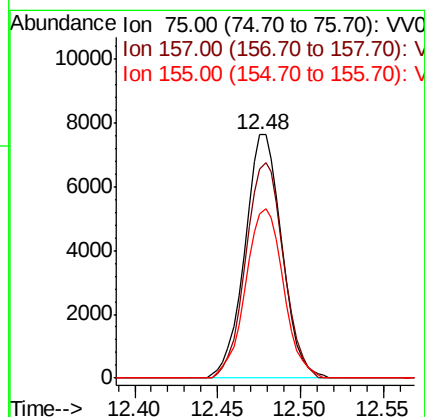
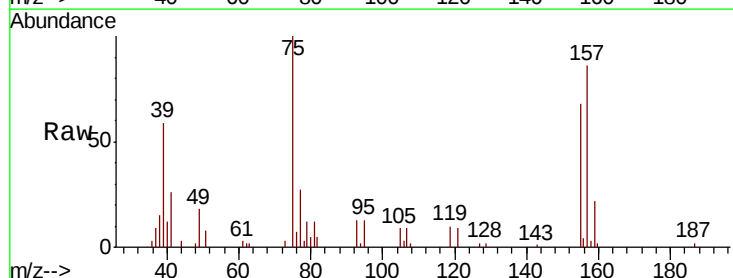
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

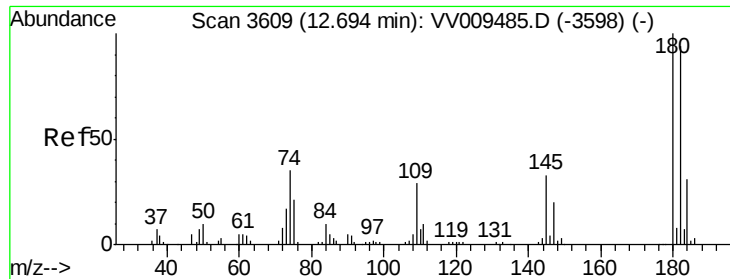
Tgt Ion: 146 Resp: 110419
 Ion Ratio Lower Upper
 146 100
 111 42.8 35.4 53.0
 148 61.6 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.282 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion: 75 Resp: 11891
 Ion Ratio Lower Upper
 75 100
 157 85.6 81.0 121.4
 155 67.7 61.2 91.8

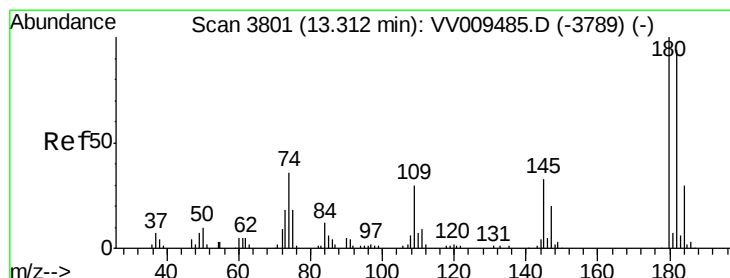
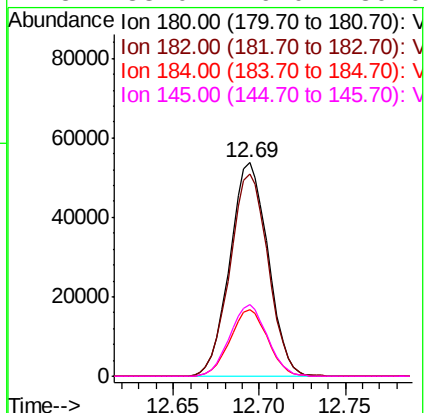
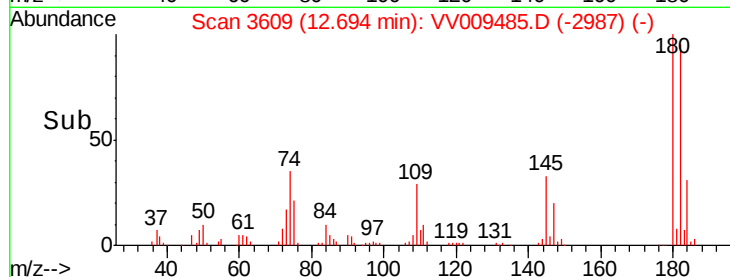
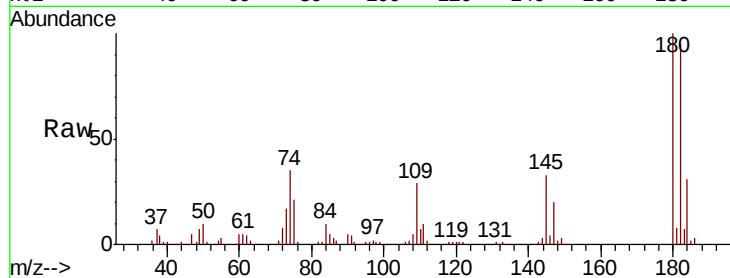




#67
 1,3,5-Trichlorobenzene
 Concen: 24.212 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

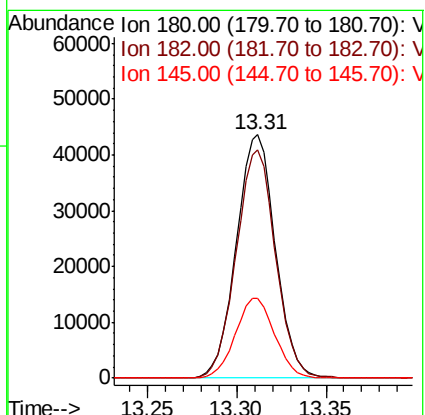
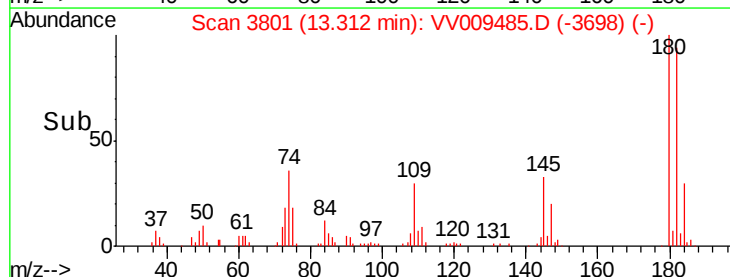
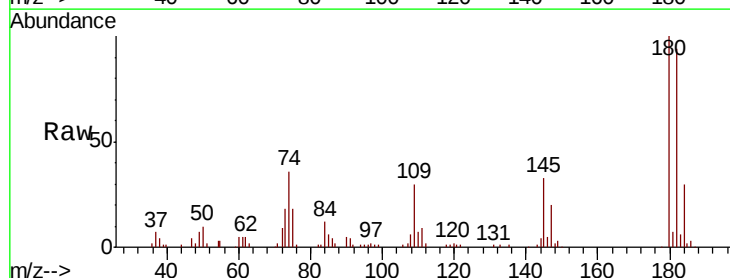
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

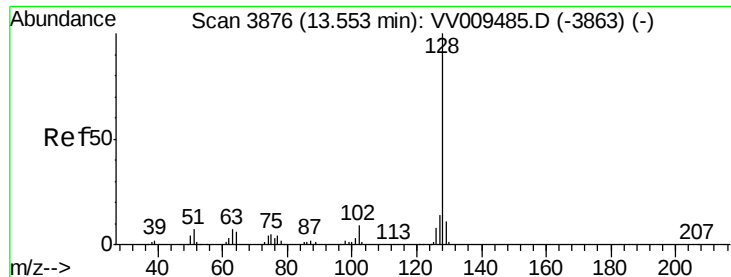
Tgt Ion:180 Resp: 83378
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.4 113.2
 184 30.5 23.9 35.9
 145 33.0 26.0 39.0



#68
 1,2,4-trichlorobenzene
 Concen: 24.937 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009485.D
 Acq: 05 Mar 2019 11:24

Tgt Ion:180 Resp: 66666
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.9 113.9
 145 33.0 26.2 39.4





#69

Naphthalene

Concen: 26.217 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

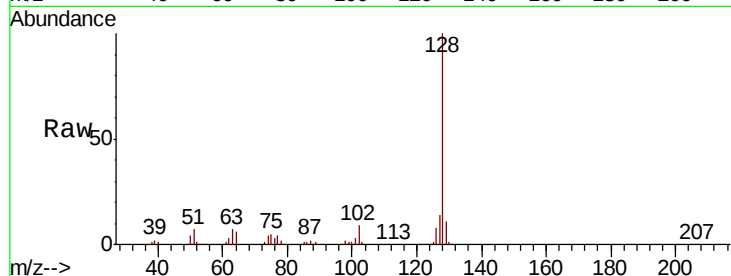
Tgt Ion:128 Resp: 141912

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

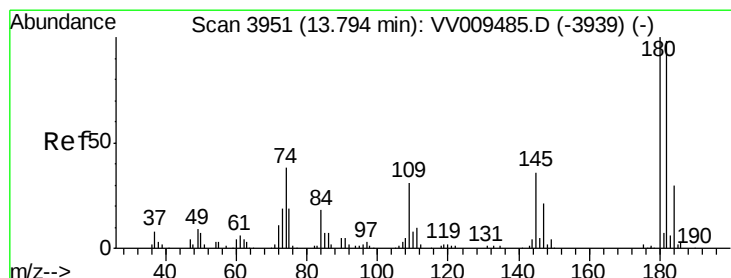
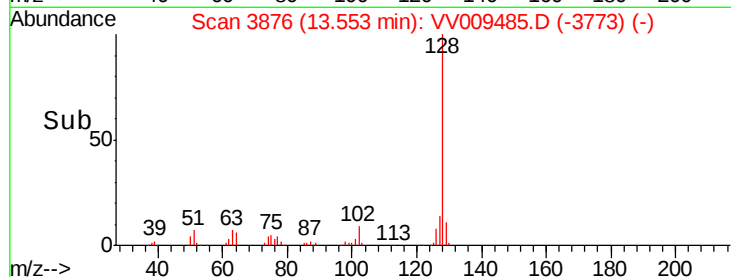
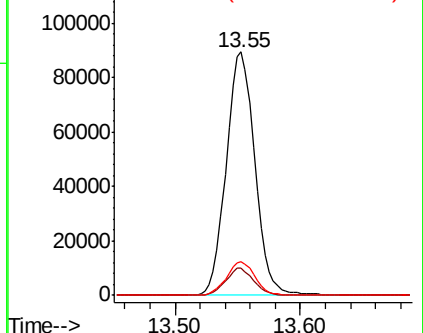
127 13.5 10.6 16.0



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: 24.894 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009485.D

Acq: 05 Mar 2019 11:24

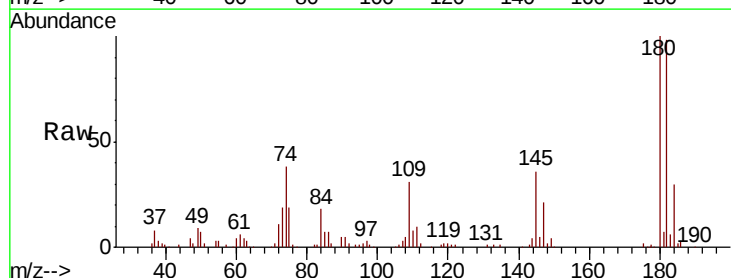
Tgt Ion:180 Resp: 61690

Ion Ratio Lower Upper

180 100

182 96.3 74.2 111.2

145 35.4 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

