

Data File : VV010656.D
Acq On : 03 May 2019 12:33
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02582

Quant Time: May 03 23:16:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 23:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	212634	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	210472	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	102217	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57243	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.04%
7) Chloroethane-d5	1.57	69	42259	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	2.13	63	105918	22.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.76%
20) 2-Butanone-d5	3.93	46	41339	50.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.94%
24) Chloroform-d	4.40	84	136562	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	5.08	65	76986	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.84%
29) Benzene-d6	5.10	84	290948	26.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.72%
33) 1,2-Dichloropropane-d6	6.11	67	86900	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.04%
37) Toluene-d8	7.36	98	285434	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.92%
38) trans-1,3-Dichloropropene-	7.66	79	37527	27.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.68%
39) 2-Hexanone-d5	8.13	63	32860	55.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	75849	25.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	108035	27.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.88%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	76036	24.188	ug/L	99
3) Chloromethane	1.25	50	60947	21.082	ug/L	99
5) Vinyl chloride	1.32	62	54540	20.922	ug/L	100
6) Bromomethane	1.51	94	24289	18.197	ug/L	97
8) Chloroethane	1.59	64	30440	22.129	ug/L	100
9) Trichlorofluoromethane	1.76	101	98810	21.412	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	51841	22.188	ug/L	99
12) 1,1-Dichloroethene	2.13	96	44713	21.888	ug/L	86
13) Acetone	2.19	43	23792	33.883	ug/L	98
14) Carbon disulfide	2.31	76	151084	22.337	ug/L	100
15) Methyl Acetate	2.46	43	28767	20.958	ug/L	99
16) Methylene chloride	2.53	84	65463	22.073	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	152737	24.274	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	61897	23.859	ug/L	97
19) 1,1-Dichloroethane	3.23	63	109848	23.216	ug/L	99
21) 2-Butanone	4.01	43	41214	45.013	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	71646	25.300	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	32408	24.205	ug/L	94
25) Chloroform	4.42	83	125014	23.838	ug/L	99
27) 1,2-Dichloroethane	5.18	62	77366	22.776	ug/L	96
30) Cyclohexane	4.72	56	95167	25.709	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	106346	25.865	ug/L	99
32) Carbon tetrachloride	4.87	117	94385	25.645	ug/L	98
34) Benzene	5.14	78	244343	24.285	ug/L	100
35) Trichloroethene	5.95	95	71306	24.847	ug/L	98
36) Methylcyclohexane	6.17	83	107580	26.236	ug/L	96
40) 1,2-Dichloropropane	6.22	63	62003	23.693	ug/L	100
41) Bromodichloromethane	6.55	83	86305	24.907	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	101439	26.500	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	85668	46.494	ug/L	96
44) Toluene	7.43	91	283576	25.538	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	82734	25.682	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	54703	25.034	ug/L	94
47) Tetrachloroethene	8.02	164	57578	25.738	ug/L	98
49) 2-Hexanone	8.18	43	61956	45.232	ug/L	96
50) Dibromochloromethane	8.29	129	65327	25.208	ug/L	98
51) 1,2-Dibromoethane	8.40	107	51497	24.433	ug/L	99
52) Chlorobenzene	8.92	112	196764	25.390	ug/L	99
53) Ethylbenzene	9.05	91	327276	26.060	ug/L	99
54) m,p-Xylene	9.18	106	122970	25.840	ug/L	98
55) o-xylene	9.59	106	121342	26.100	ug/L	98
56) Styrene	9.60	104	206611	26.185	ug/L	98
57) Isopropylbenzene	9.97	105	332462	27.251	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	63321	23.229	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	46651	22.748	ug/L	98
62) Bromoform	9.77	173	36094	25.177	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	158674	27.203	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	156080	25.624	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	148416	25.773	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	9980	23.564	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	120186	26.837	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	96183	28.148	ug/L	99
69) Naphthalene	13.55	128	184226	28.197	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	88804	27.552	ug/L	96

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

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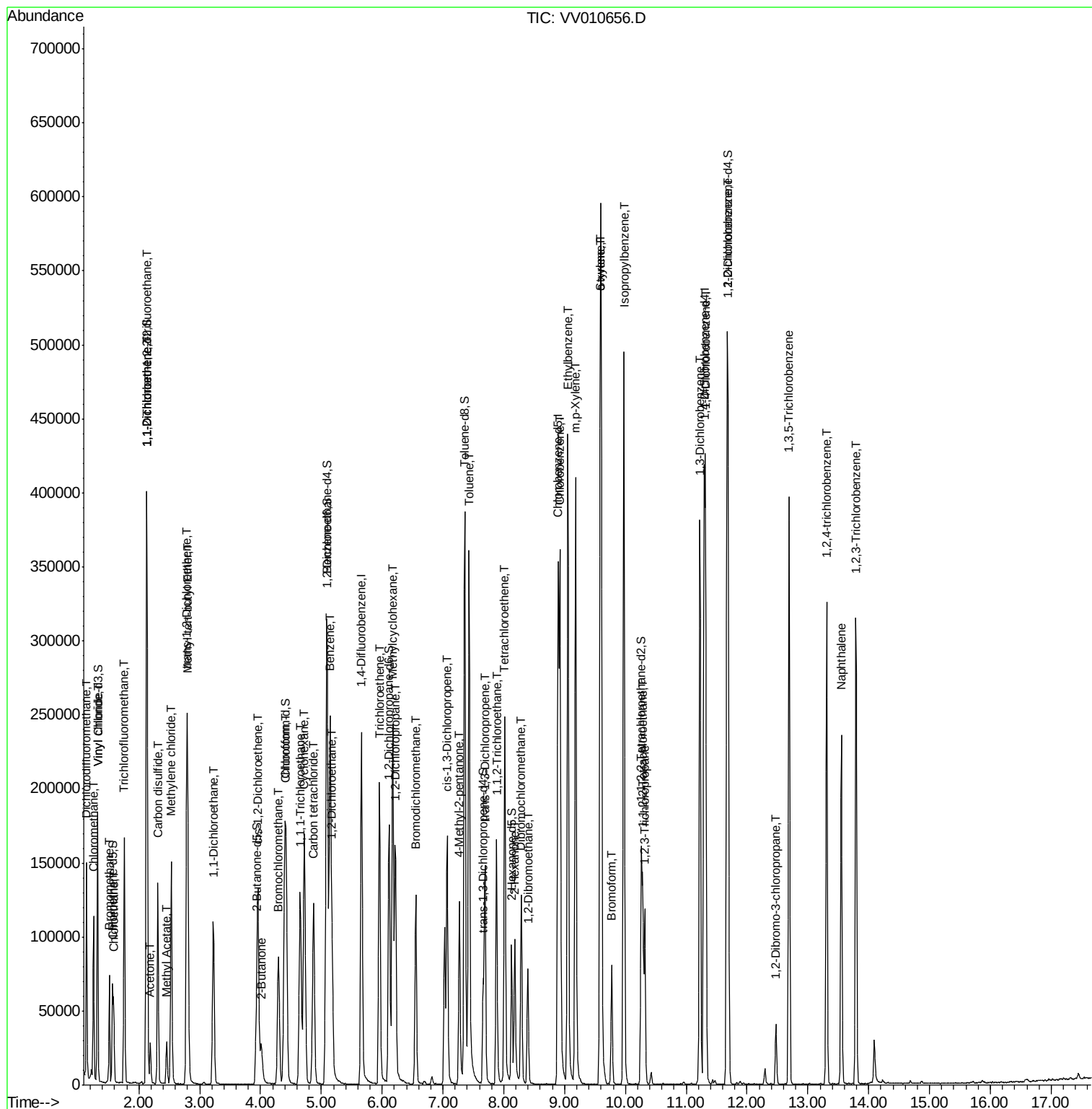
Quant Time: May 03 23:16:37 2019

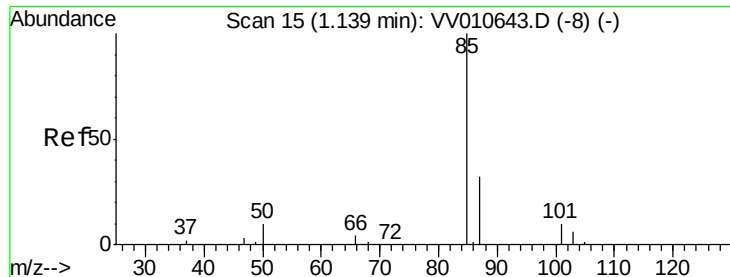
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050219S.M

Quant Title : VOC Analysis

QLast Update : Fri May 03 23:12:37 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.188 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

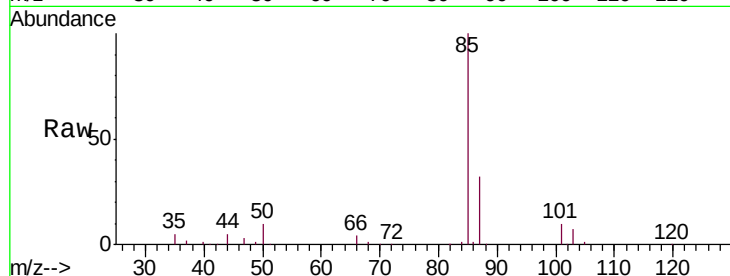
VSTD02582

Tgt Ion: 85 Resp: 76036

Ion Ratio Lower Upper

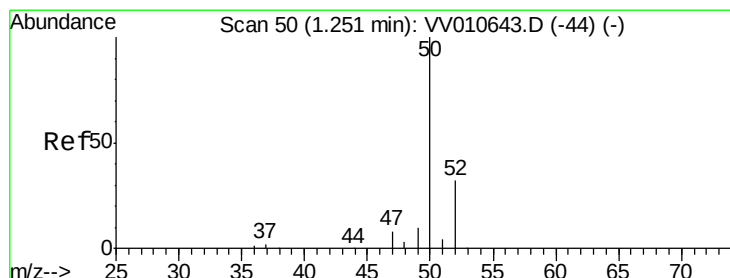
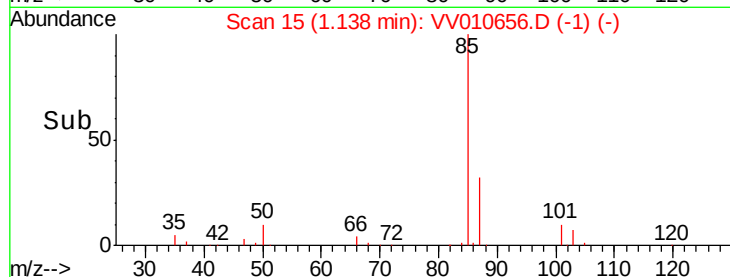
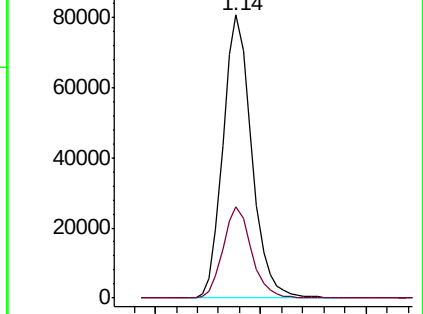
85 100

87 32.1 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV010643.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010643.D (-8) (-)



#3

Chloromethane

Concen: 21.082 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010656.D

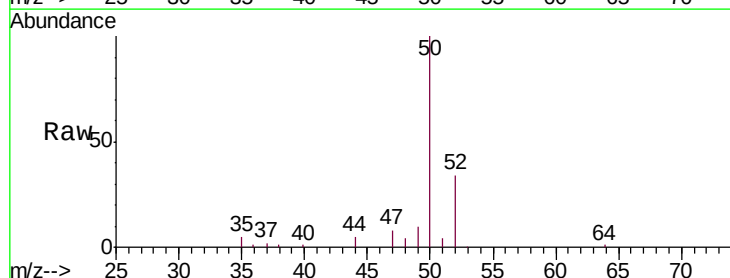
Acq: 03 May 2019 12:33

Tgt Ion: 50 Resp: 60947

Ion Ratio Lower Upper

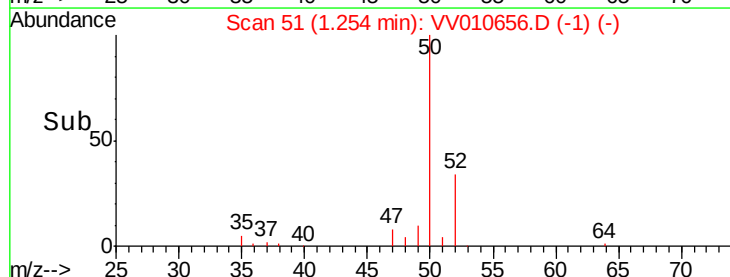
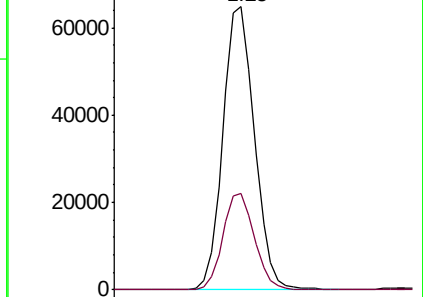
50 100

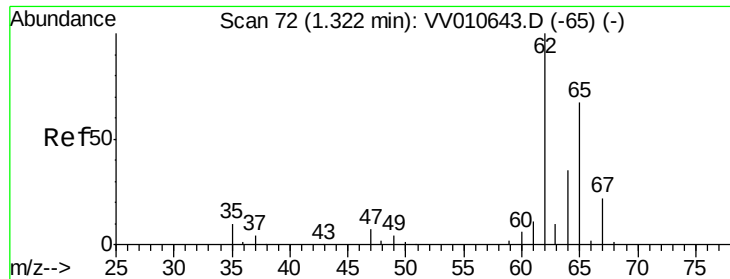
52 34.0 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV010643.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV010643.D (-44) (-)





#5

Vinyl chloride

Concen: 20.922 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

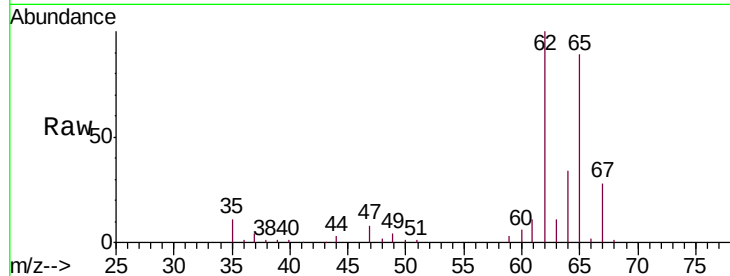
VSTD02582

Tgt Ion: 62 Resp: 54540

Ion Ratio Lower Upper

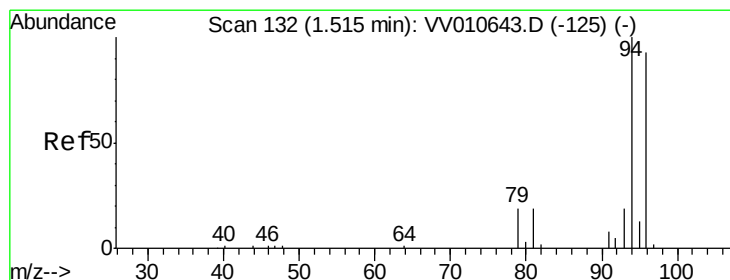
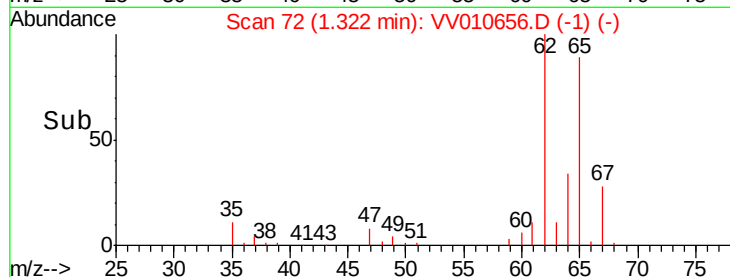
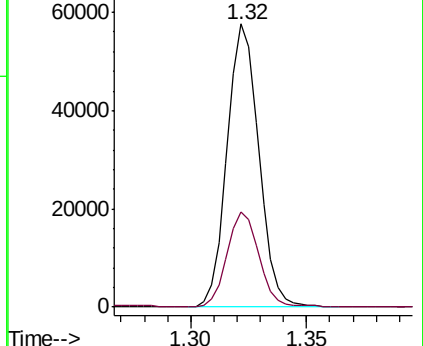
62 100

64 33.7 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 18.197 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV010656.D

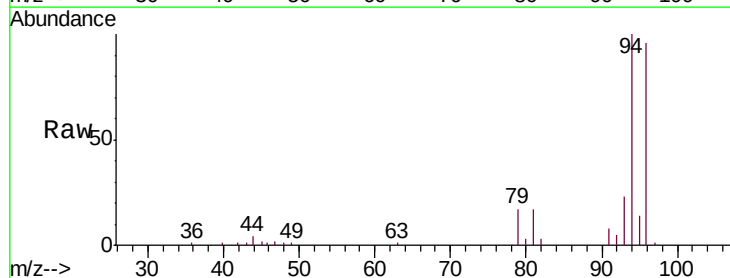
Acq: 03 May 2019 12:33

Tgt Ion: 94 Resp: 24289

Ion Ratio Lower Upper

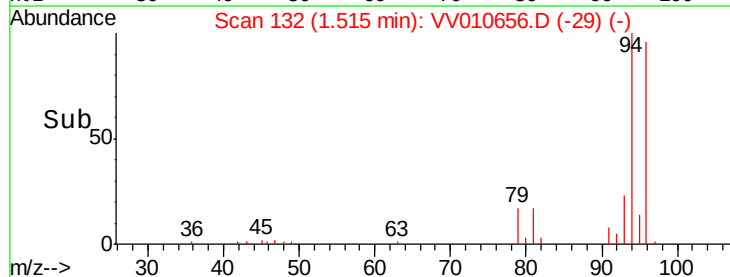
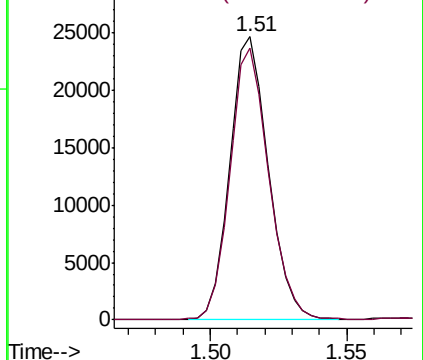
94 100

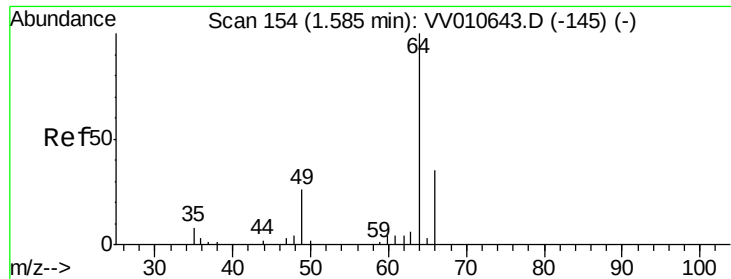
96 96.6 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

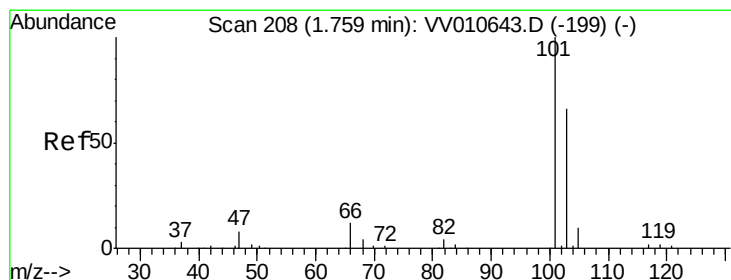
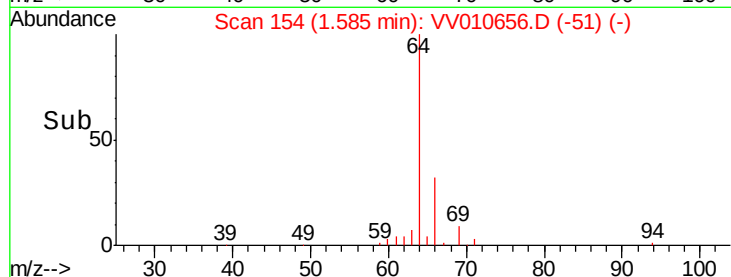
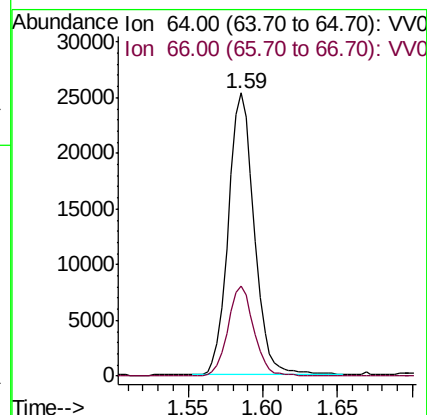
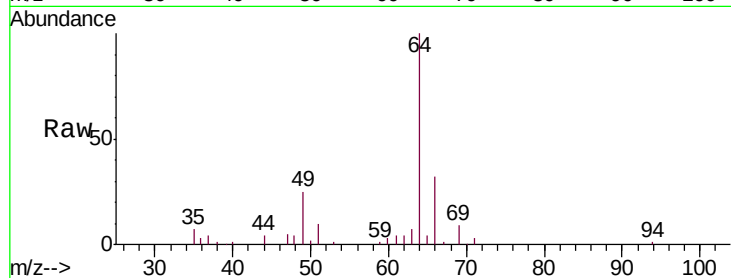




#8
Chloroethane
Concen: 22.129 ug/L
RT: 1.59 min Scan# 154
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

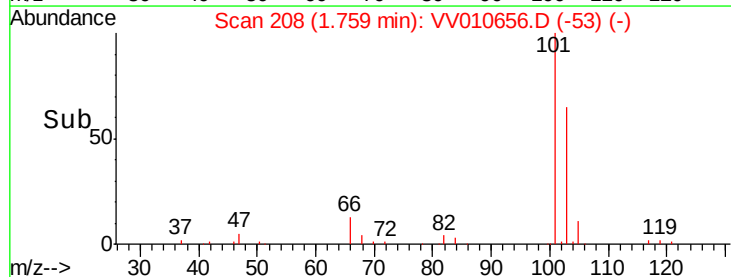
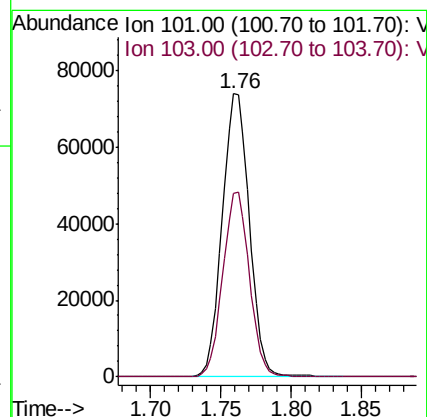
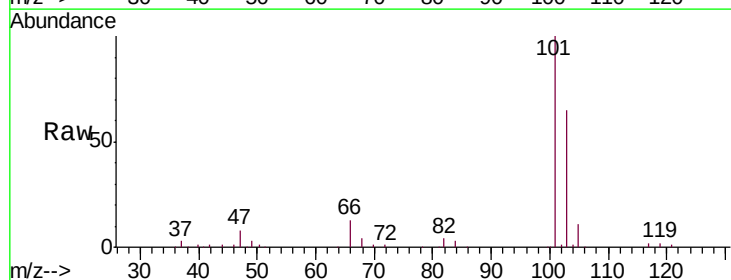
Instrument :
MSVOA_V
ClientSampleId :
VSTD02582

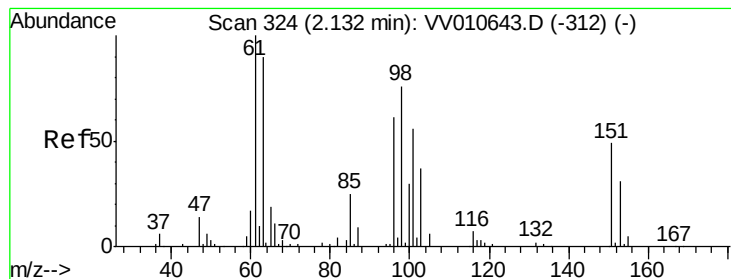
Tgt Ion: 64 Resp: 30440
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.7



#9
Trichlorofluoromethane
Concen: 21.412 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Tgt Ion: 101 Resp: 98810
Ion Ratio Lower Upper
101 100
103 63.9 45.1 83.9





#11

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

Concen: 22.188 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02582

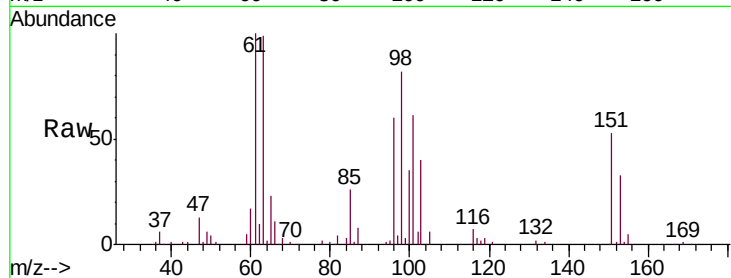
Tgt Ion: 101 Resp: 51841

Ion Ratio Lower Upper

101 100

85 42.6 34.6 51.8

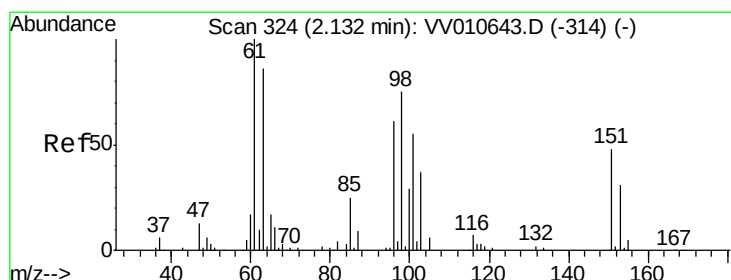
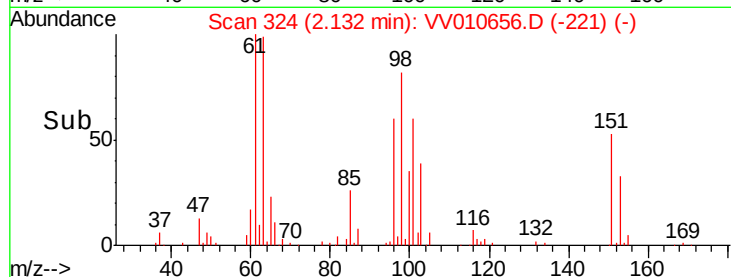
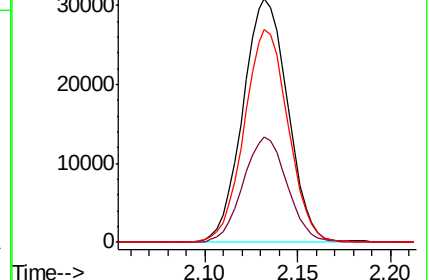
151 85.5 68.6 103.0



Abundance Ion 101.00 (100.70 to 101.70): VV010643.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV010643.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV010643.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 21.888 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

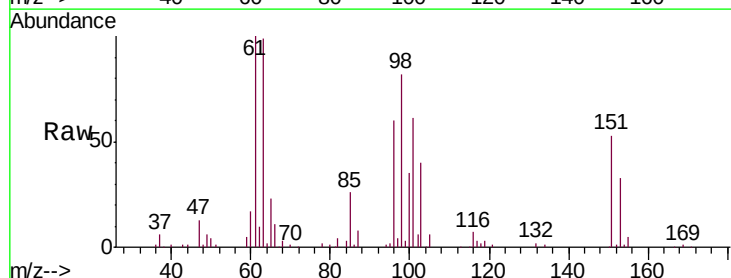
Tgt Ion: 96 Resp: 44713

Ion Ratio Lower Upper

96 100

61 166.0 111.1 206.3

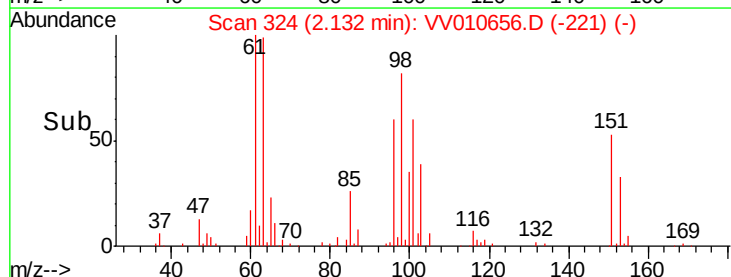
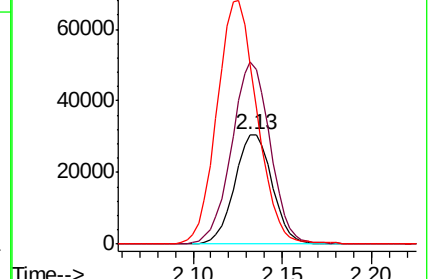
63 164.2 95.2 176.8

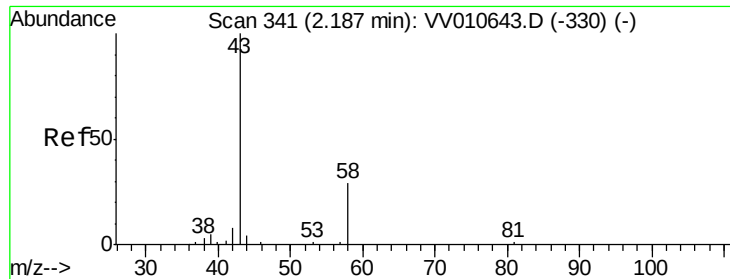


Abundance Ion 96.00 (95.70 to 96.70): VV010643.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV010643.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV010643.D (-314) (-)





#13

Acetone

Concen: 33.883 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

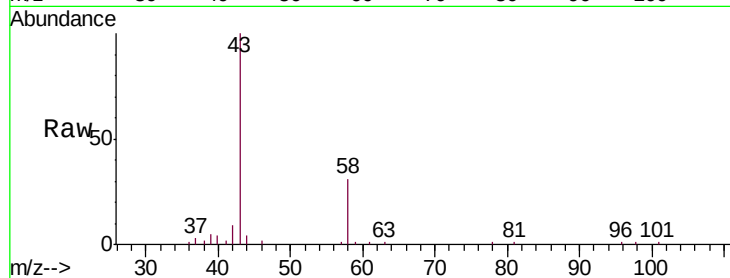
VSTD02582

Tgt Ion: 43 Resp: 23792

Ion Ratio Lower Upper

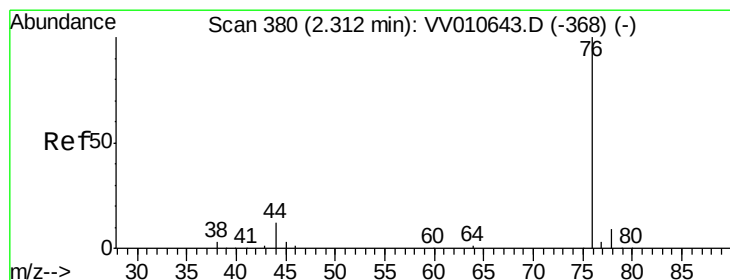
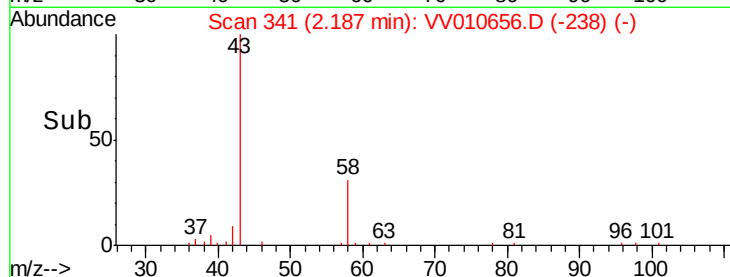
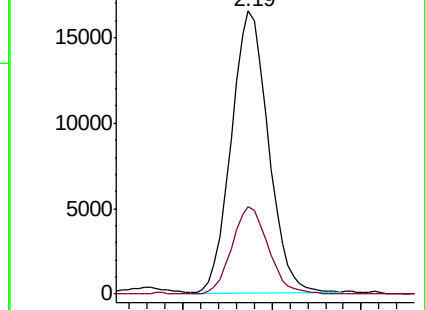
43 100

58 30.4 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV010643.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV010643.D (-330) (-)



#14

Carbon disulfide

Concen: 22.337 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010656.D

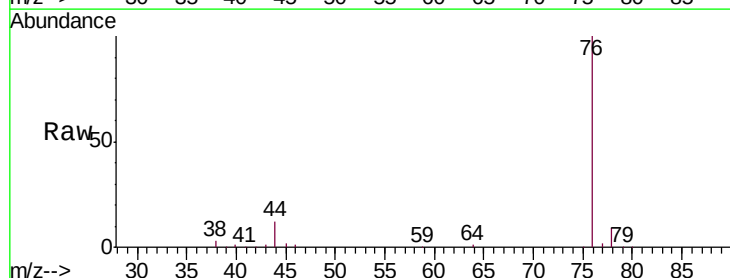
Acq: 03 May 2019 12:33

Tgt Ion: 76 Resp: 151084

Ion Ratio Lower Upper

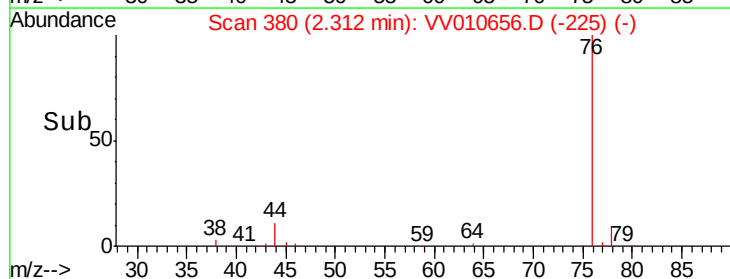
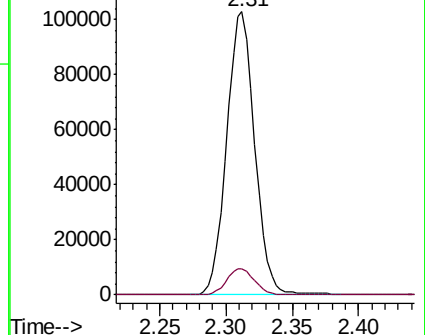
76 100

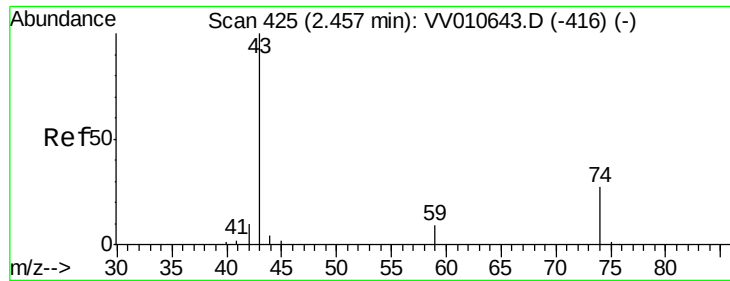
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV010643.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010643.D (-368) (-)

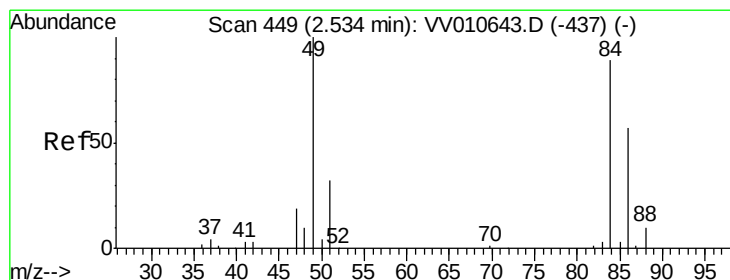
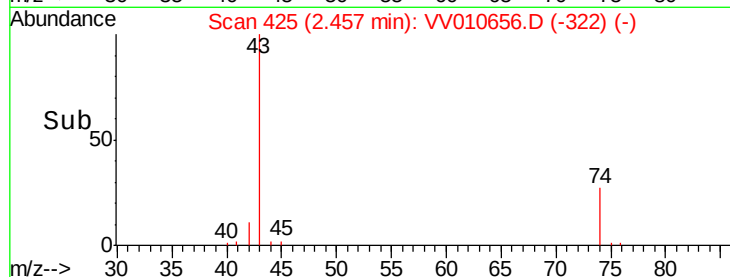
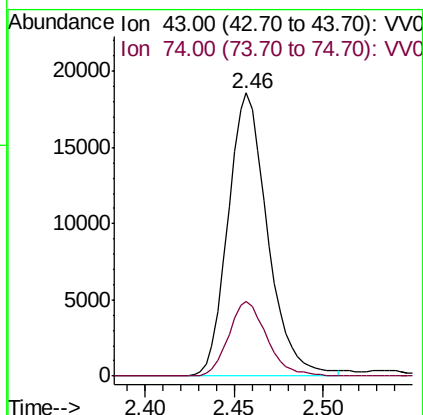
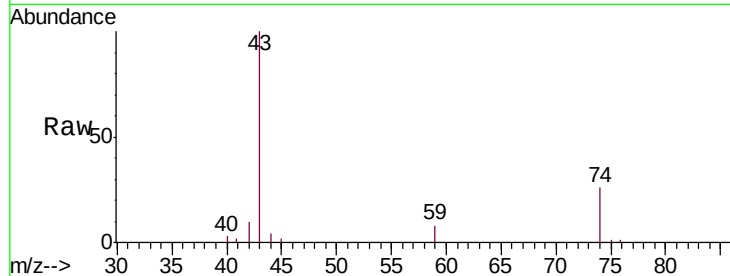




#15
Methyl Acetate
Concen: 20.958 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

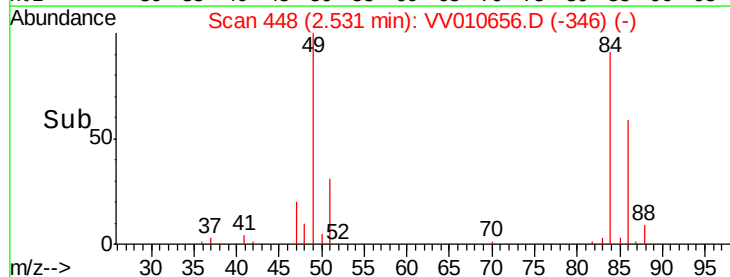
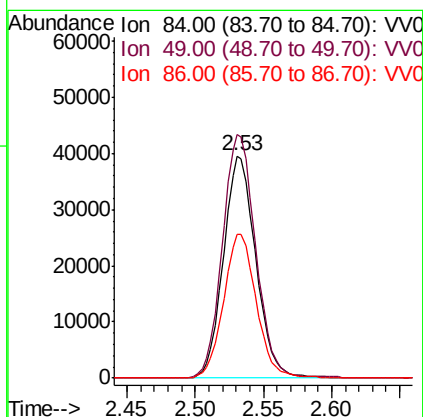
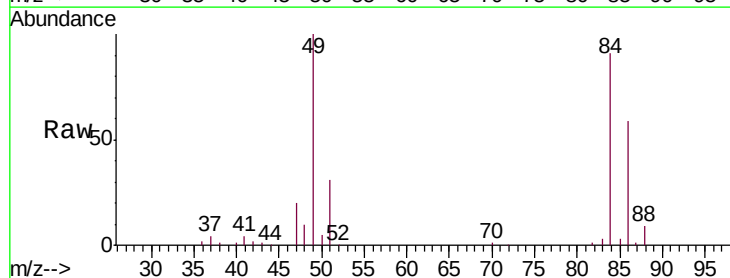
Instrument :
MSVOA_V
ClientSampleId :
VSTD02582

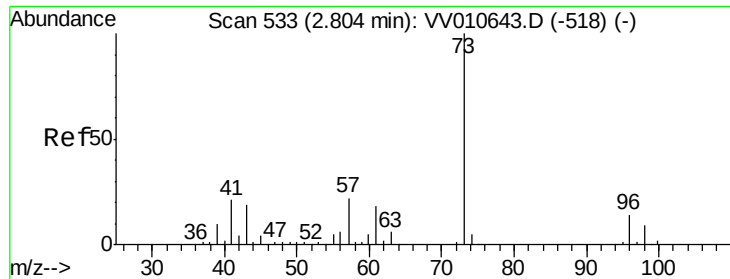
Tgt Ion: 43 Resp: 28767
Ion Ratio Lower Upper
43 100
74 25.4 20.0 30.0



#16
Methylene chloride
Concen: 22.073 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Tgt Ion: 84 Resp: 65463
Ion Ratio Lower Upper
84 100
49 109.6 81.9 152.1
86 64.9 44.0 81.6

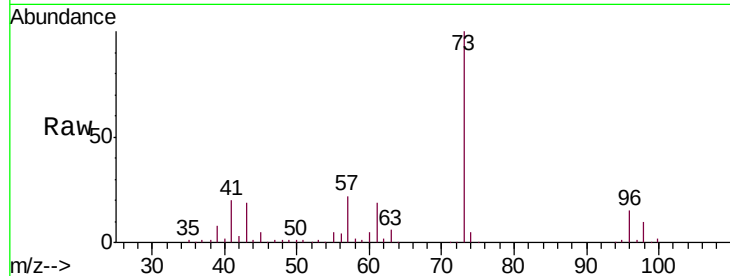




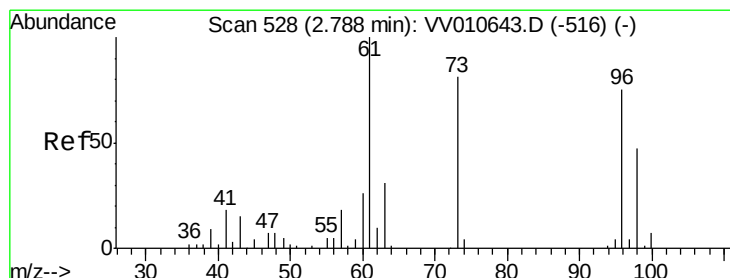
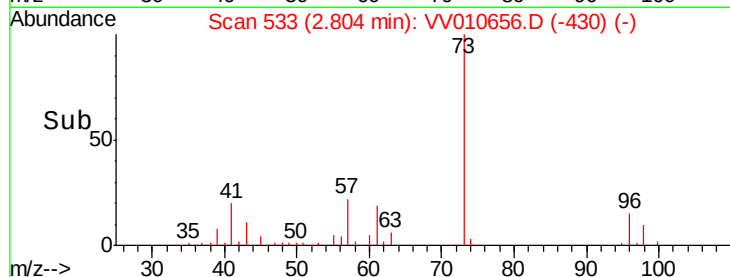
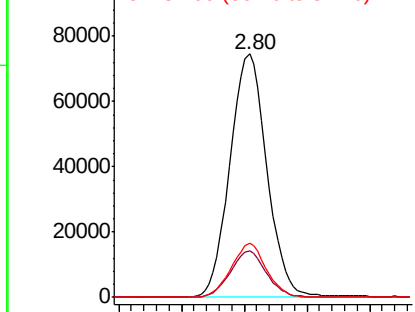
#17
Methyl tert-butyl Ether
Concen: 24.274 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD02582

Tgt Ion: 73 Resp: 152737
Ion Ratio Lower Upper
73 100
43 18.6 15.9 23.9
57 21.2 17.9 26.9

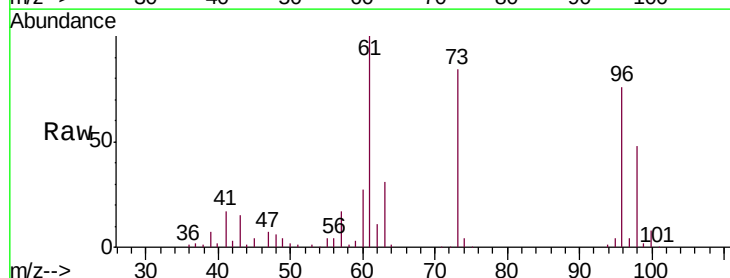


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

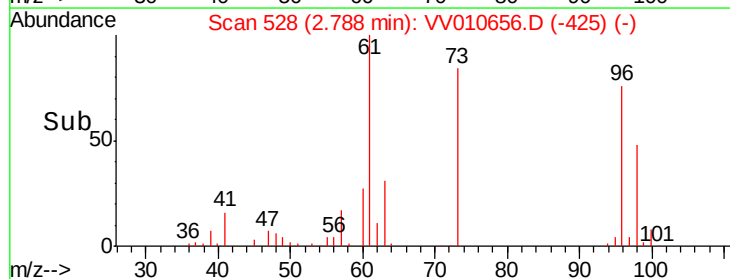
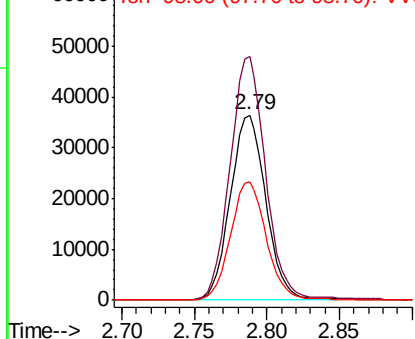


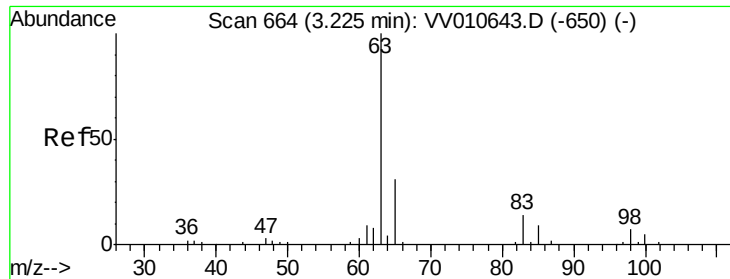
#18
trans-1,2-Dichloroethene
Concen: 23.859 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Tgt Ion: 96 Resp: 61897
Ion Ratio Lower Upper
96 100
61 131.5 94.6 175.8
98 63.6 45.2 84.0



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

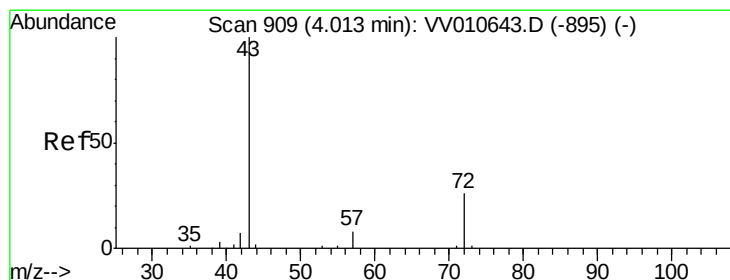
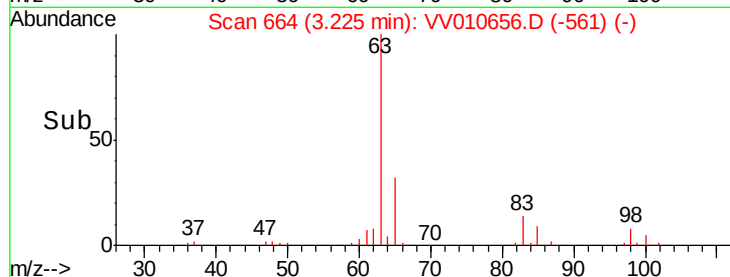
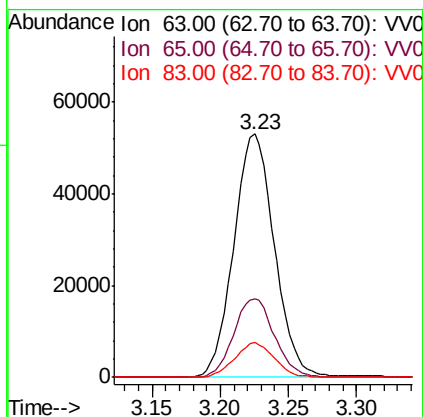
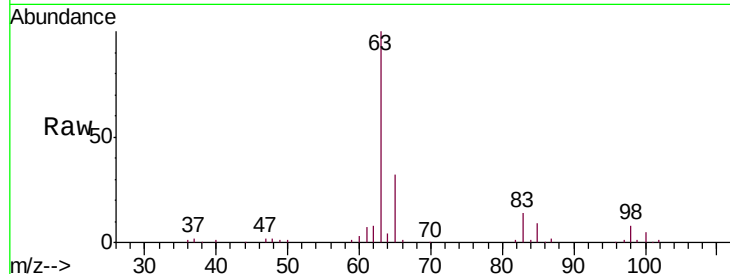




#19
 1,1-Dichloroethane
 Concen: 23.216 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

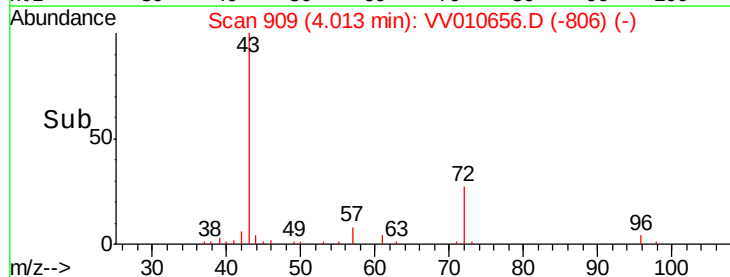
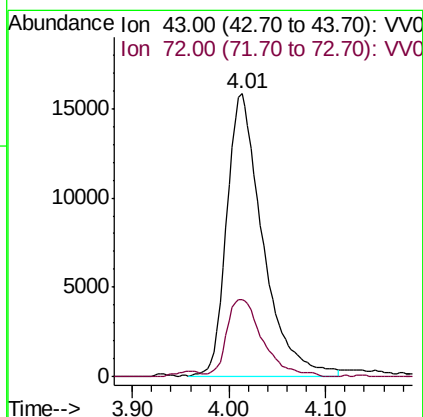
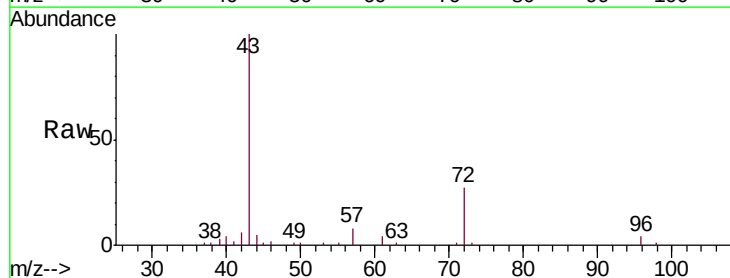
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

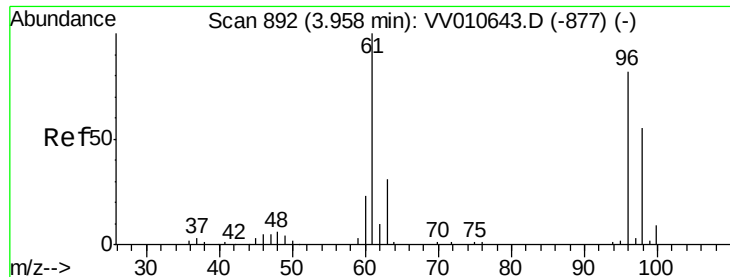
Tgt Ion: 63 Resp: 109848
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.0 40.8
 83 14.2 10.0 18.6



#21
 2-Butanone
 Concen: 45.013 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion: 43 Resp: 41214
 Ion Ratio Lower Upper
 43 100
 72 25.3 14.2 42.6



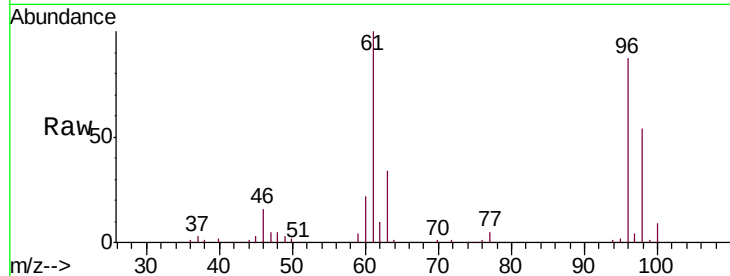


#22

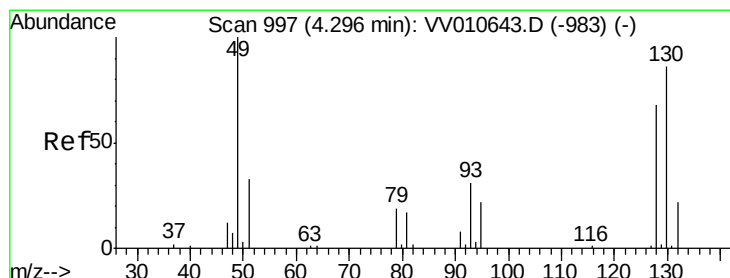
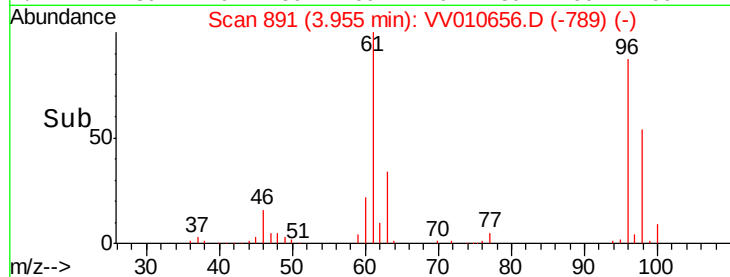
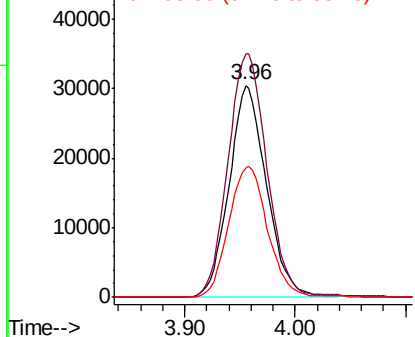
cis-1,2-Dichloroethene
 Concen: 25.300 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

Tgt Ion: 96 Resp: 71646
 Ion Ratio Lower Upper
 96 100
 61 115.0 89.6 166.4
 98 61.6 44.5 82.7



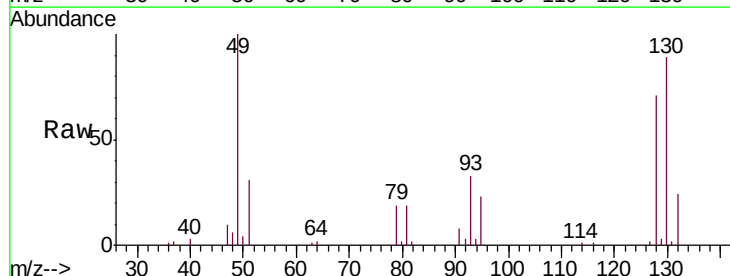
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



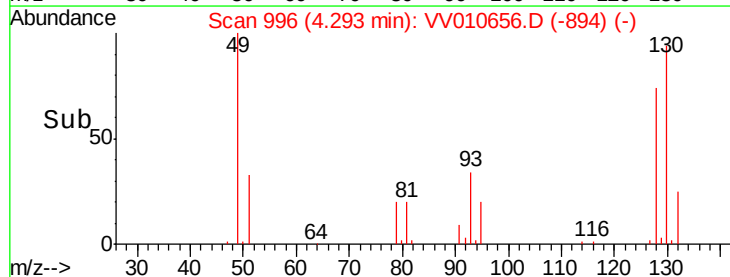
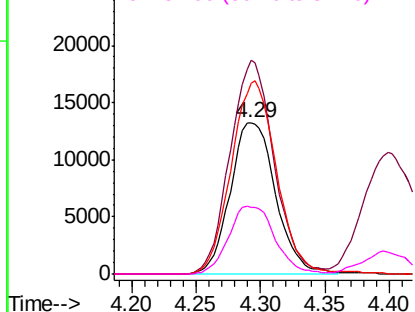
#23

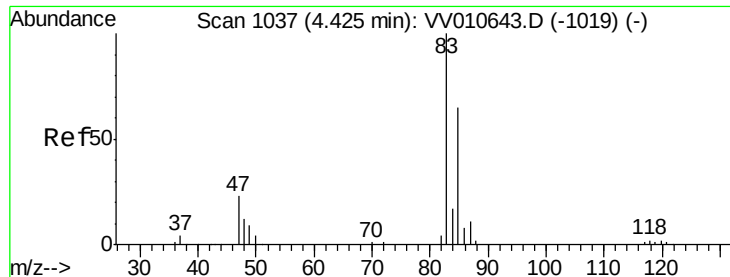
Bromochloromethane
 Concen: 24.205 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion: 128 Resp: 32408
 Ion Ratio Lower Upper
 128 100
 49 141.0 108.0 200.6
 130 125.8 89.7 166.7
 51 44.4 37.3 55.9



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

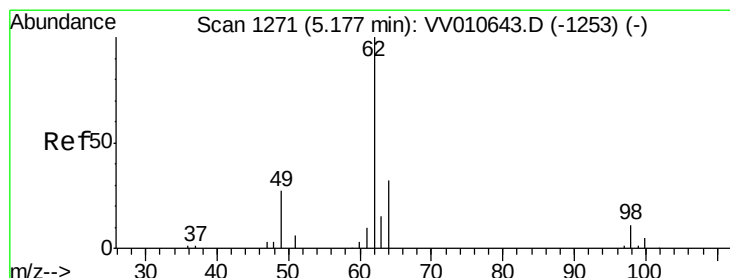
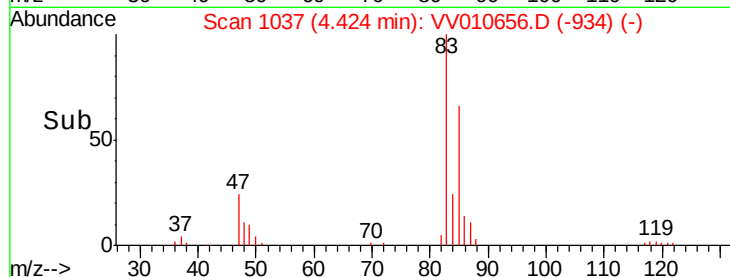
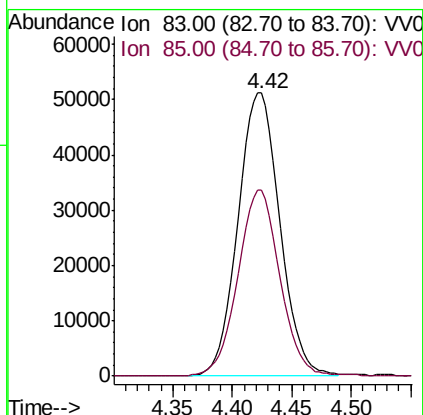
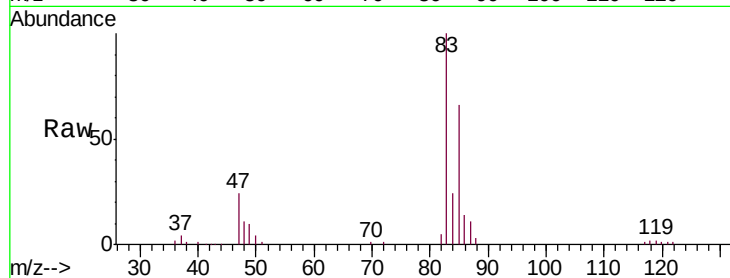




#25
Chloroform
Concen: 23.838 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

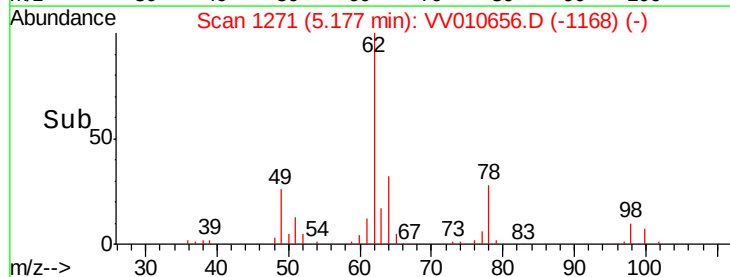
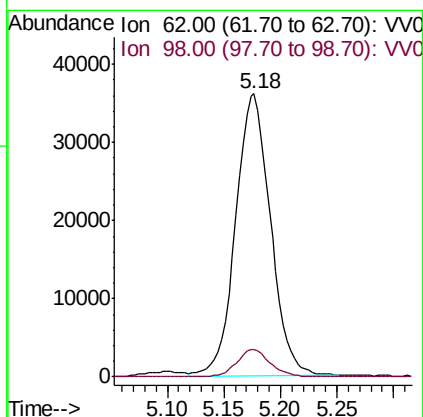
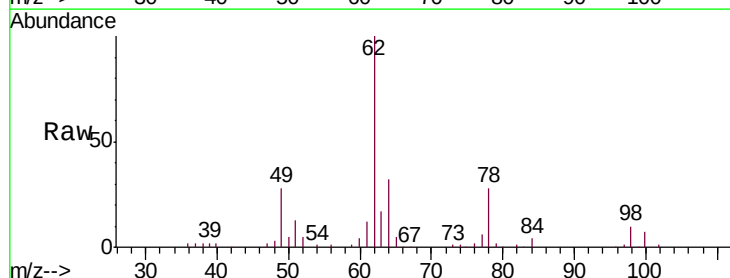
Instrument :
MSVOA_V
ClientSampleId :
VSTD02582

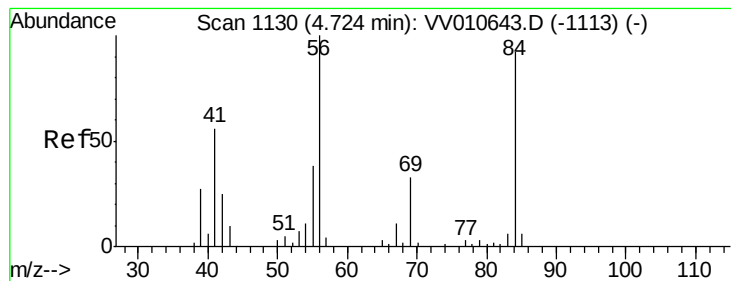
Tgt Ion: 83 Resp: 125014
Ion Ratio Lower Upper
83 100
85 65.7 46.3 86.1



#27
1,2-Dichloroethane
Concen: 22.776 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Tgt Ion: 62 Resp: 77366
Ion Ratio Lower Upper
62 100
98 9.8 6.6 10.0





#30

Cyclohexane

Concen: 25.709 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02582

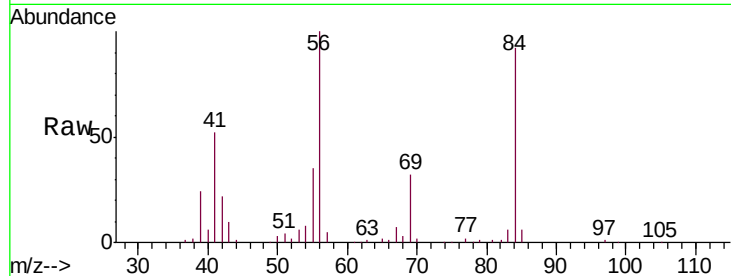
Tgt Ion: 56 Resp: 95167

Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

84 92.3 71.6 107.4

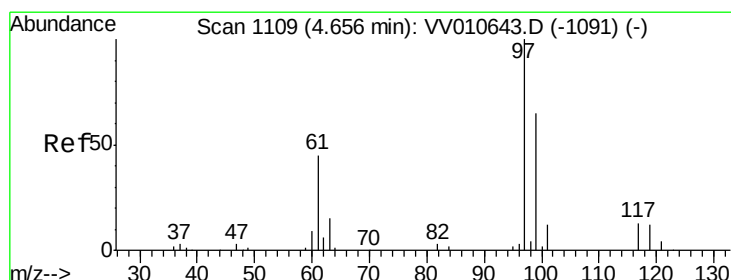
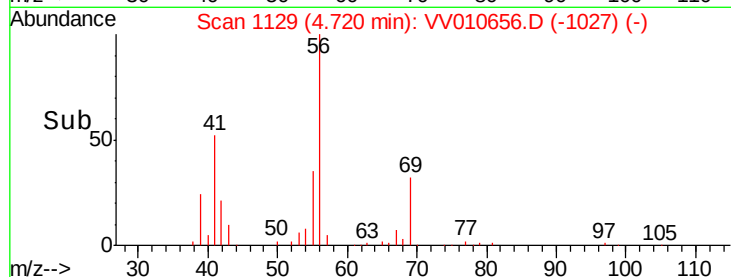
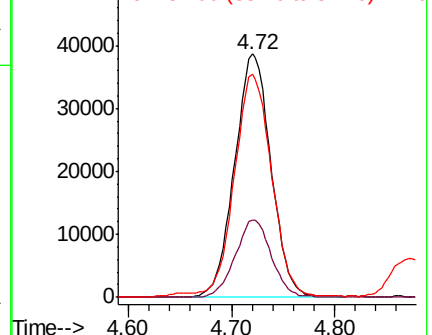


Abundance

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: 25.865 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

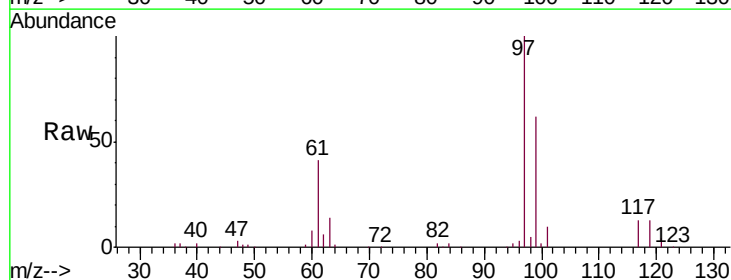
Tgt Ion: 97 Resp: 106346

Ion Ratio Lower Upper

97 100

99 63.0 50.3 75.5

61 40.6 34.1 51.1

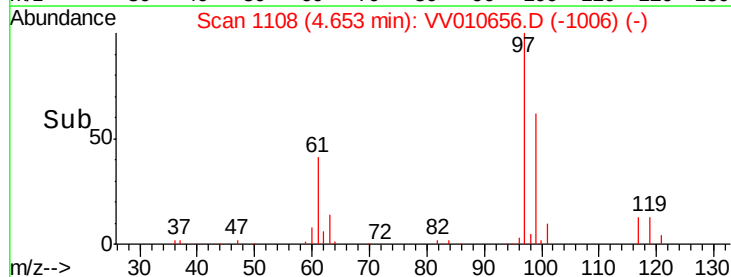
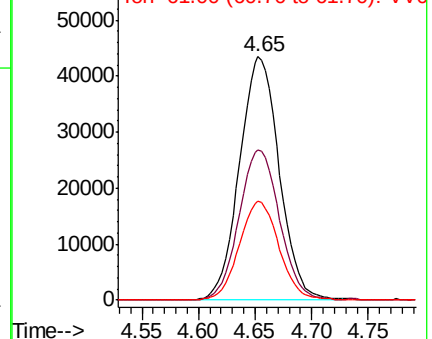


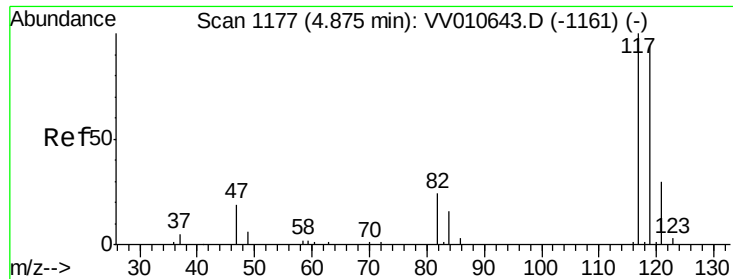
Abundance

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: 25.645 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

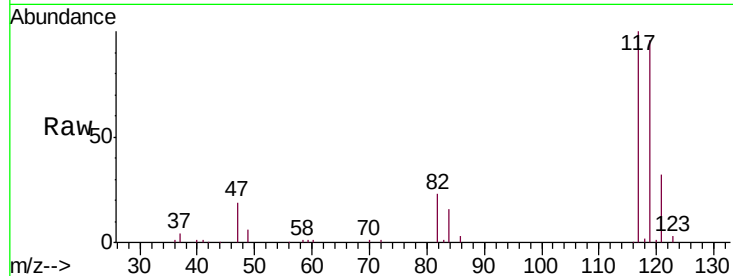
VSTD02582

Tgt Ion:117 Resp: 94385

Ion Ratio Lower Upper

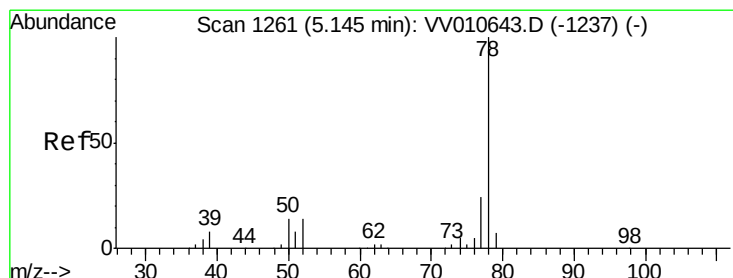
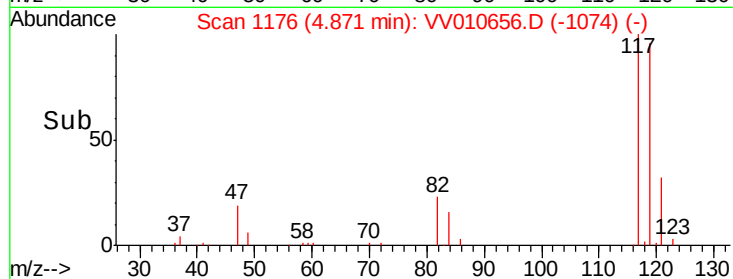
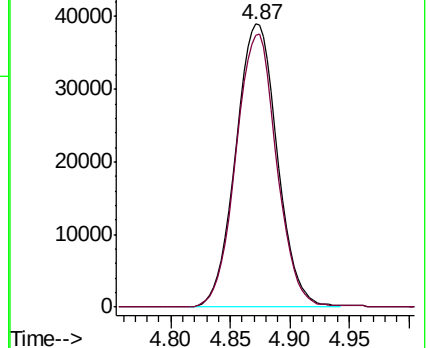
117 100

119 94.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.285 ug/L

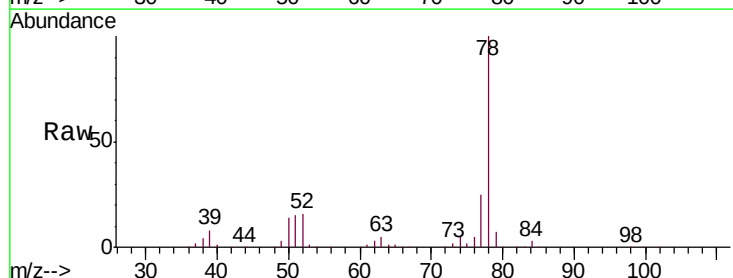
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

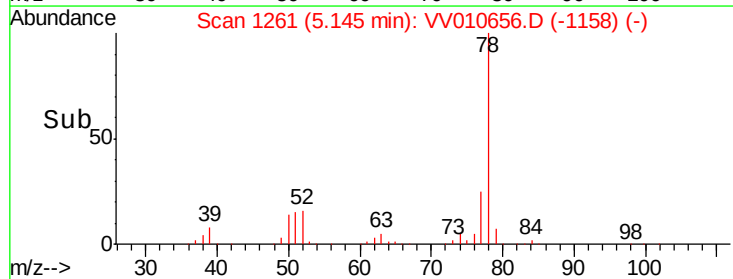
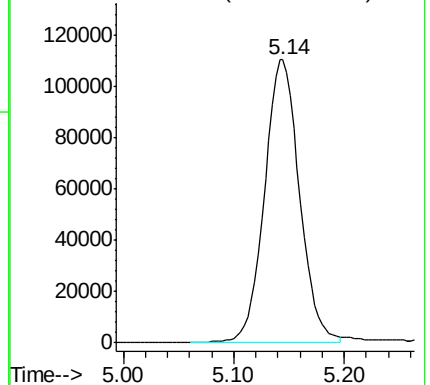
Lab File: VV010656.D

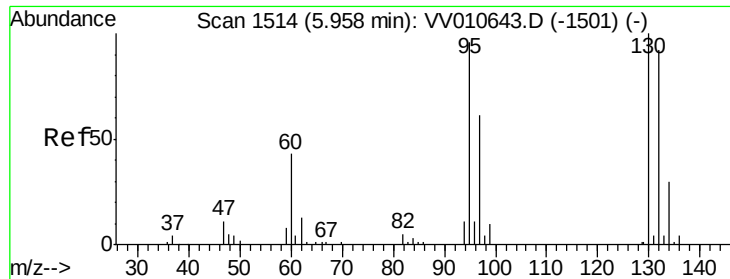
Acq: 03 May 2019 12:33

Tgt Ion: 78 Resp: 244343



Abundance Ion 78.00 (77.70 to 78.70): VV0

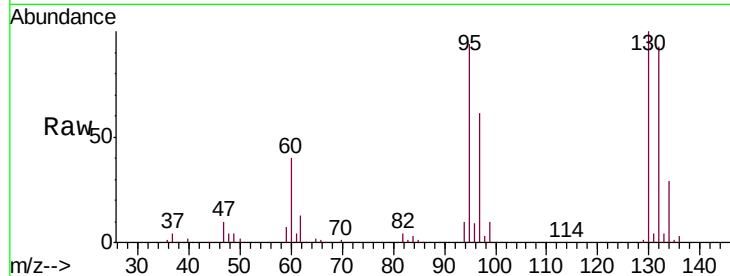




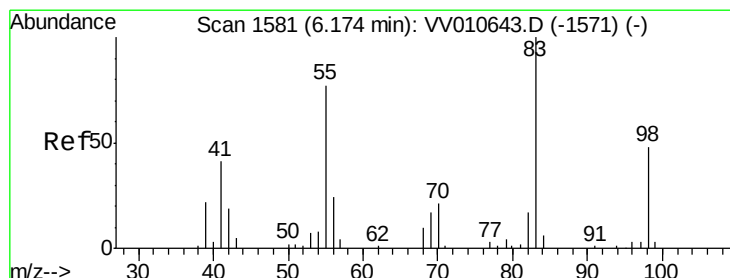
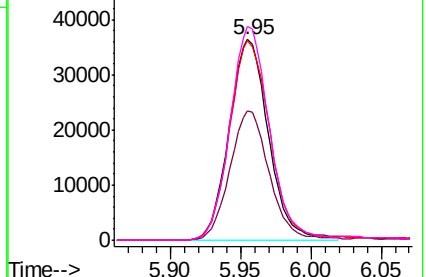
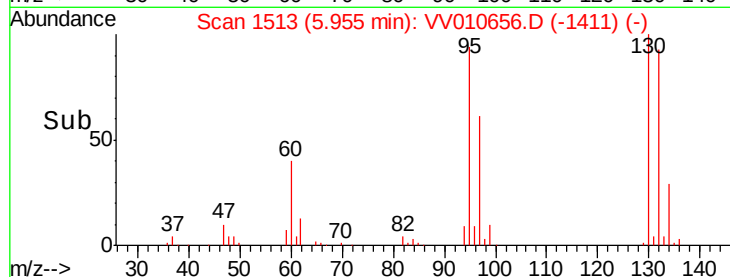
#35
 Trichloroethene
 Concen: 24.847 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

Tgt Ion: 95 Resp: 71306
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.0 83.6
 132 101.1 69.9 129.9
 130 106.0 71.3 132.3

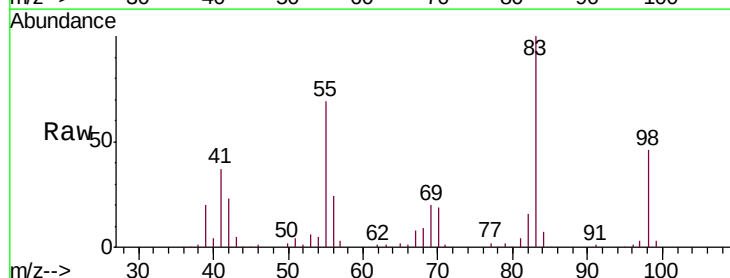


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

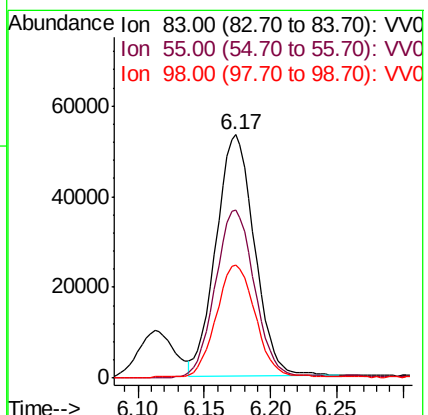
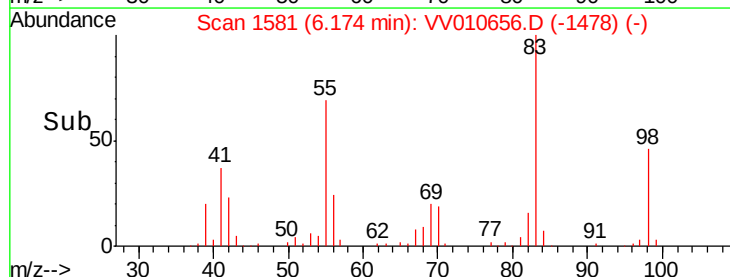


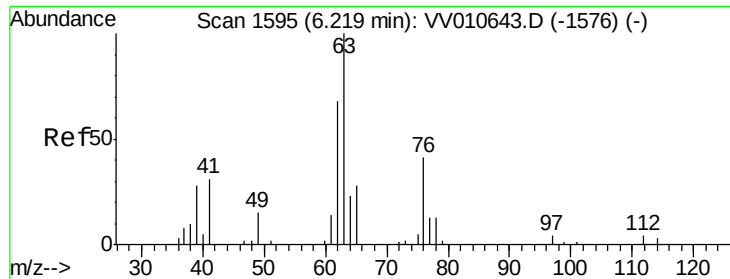
#36
 Methylcyclohexane
 Concen: 26.236 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion: 83 Resp: 107580
 Ion Ratio Lower Upper
 83 100
 55 71.0 61.4 92.0
 98 46.5 37.4 56.2



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

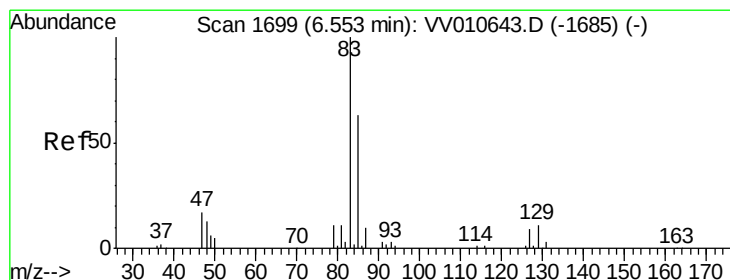
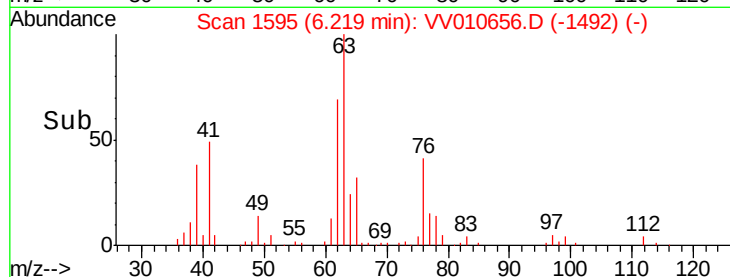
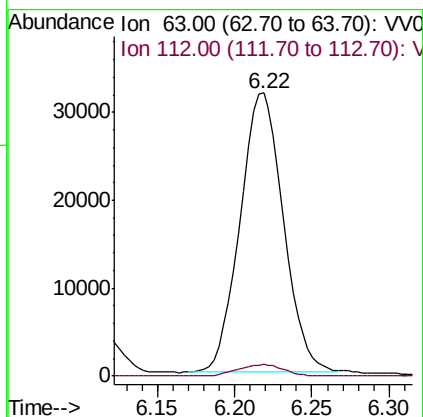
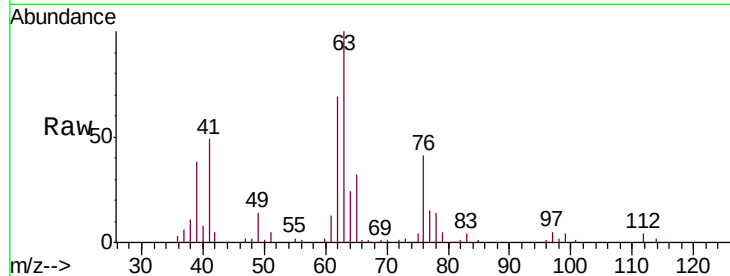




#40
 1,2-Dichloropropane
 Concen: 23.693 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

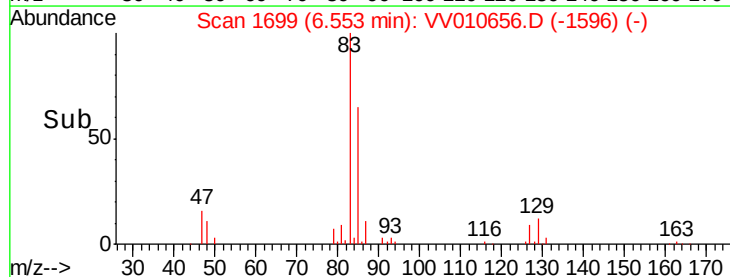
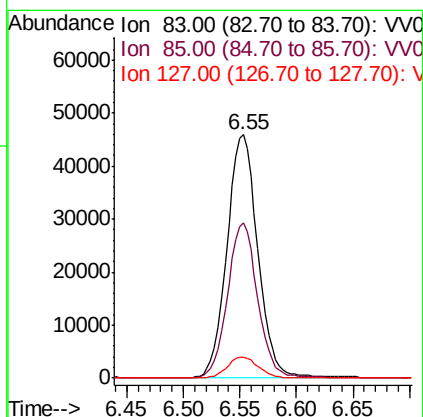
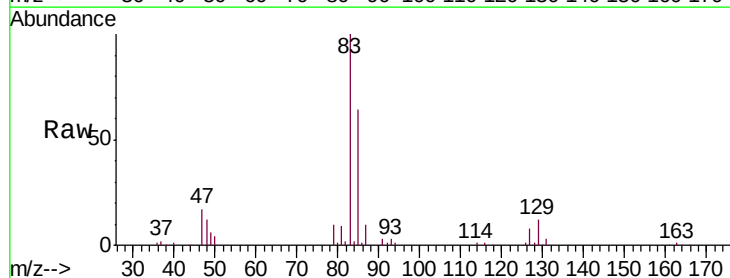
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

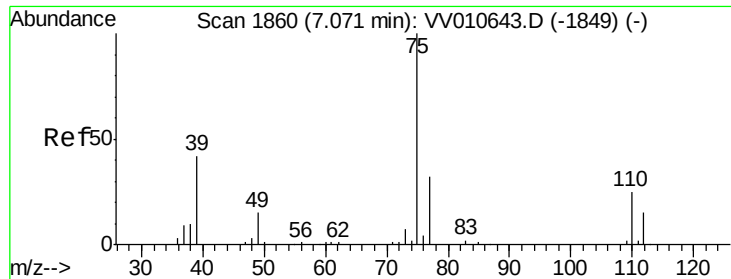
Tgt Ion: 63 Resp: 62003
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#41
 Bromodichloromethane
 Concen: 24.907 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion: 83 Resp: 86305
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.9
 127 8.4 7.2 10.8



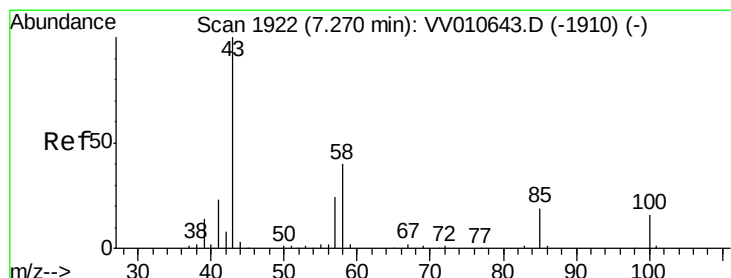
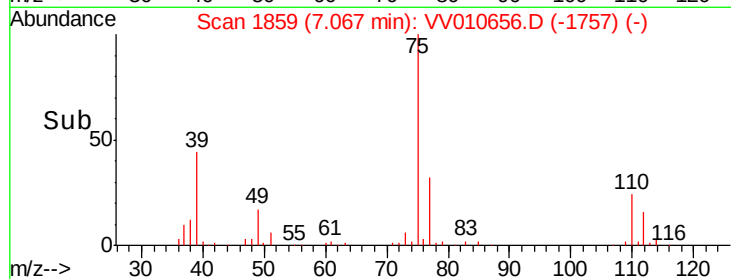
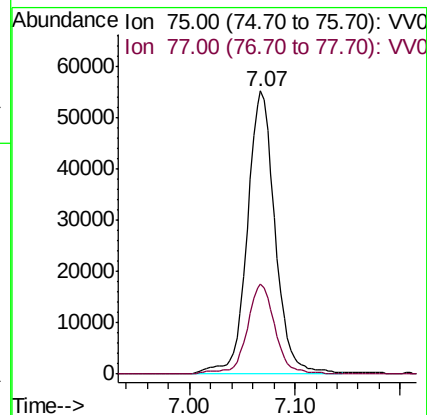
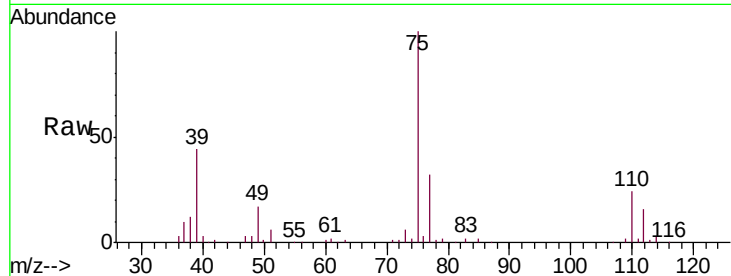


#42

cis-1,3-Dichloropropene
Concen: 26.500 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD02582

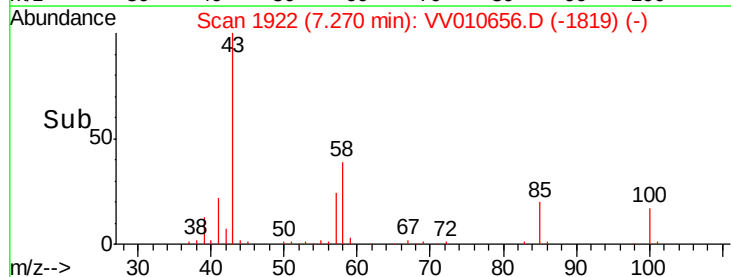
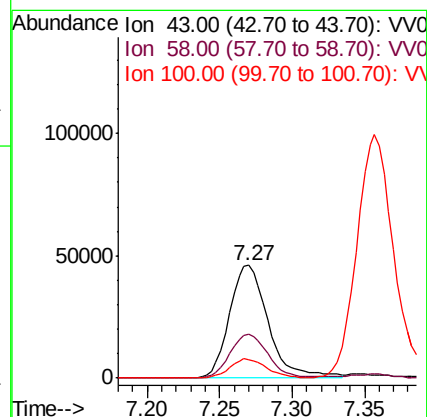
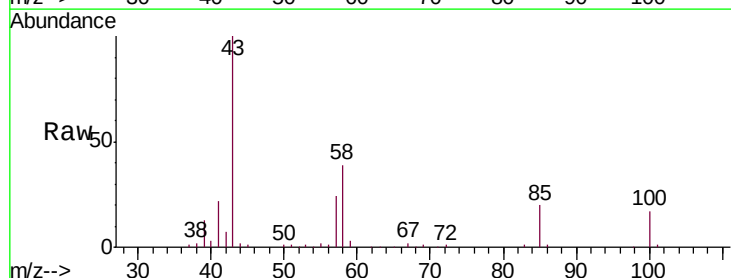
Tgt Ion: 75 Resp: 101439
Ion Ratio Lower Upper
75 100
77 31.7 21.8 40.4

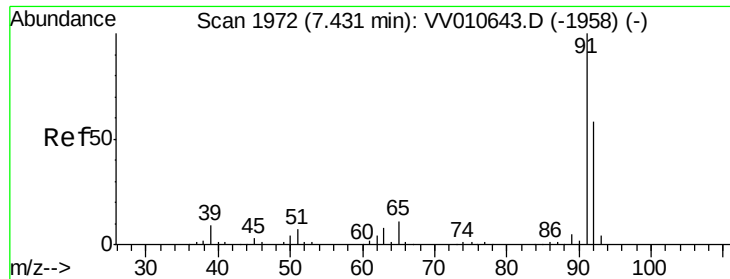


#43

4-Methyl-2-pentanone
Concen: 46.494 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Tgt Ion: 43 Resp: 85668
Ion Ratio Lower Upper
43 100
58 38.8 29.6 44.4
100 16.2 11.2 16.8





#44

Toluene

Concen: 25.538 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

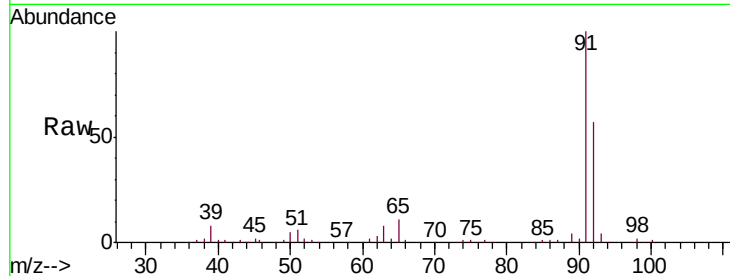
VSTD02582

Tgt Ion: 91 Resp: 283576

Ion Ratio Lower Upper

91 100

92 57.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010643.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010643.D (-1958) (-)

7.43

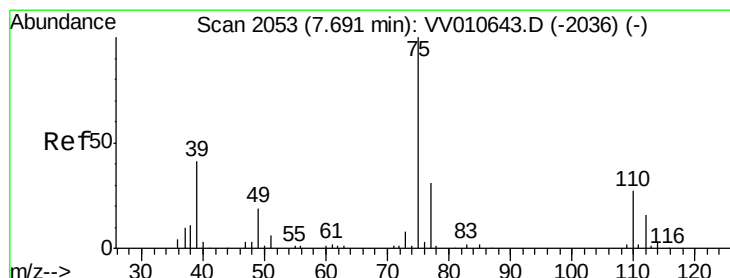
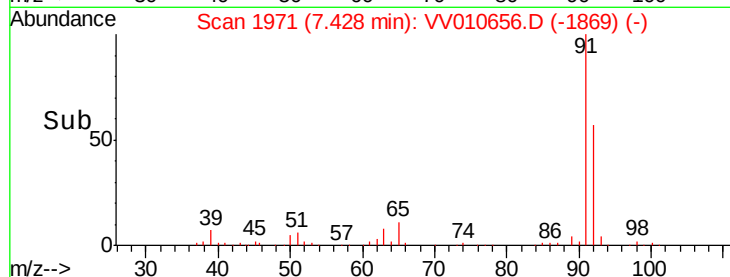
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.682 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010656.D

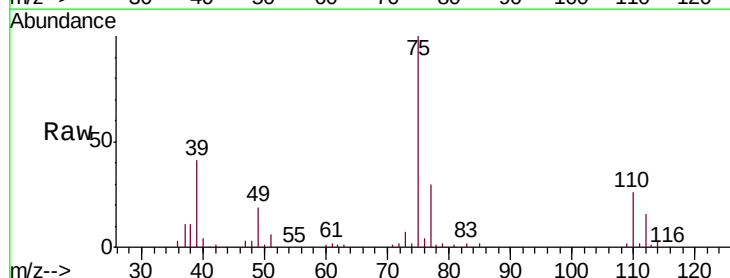
Acq: 03 May 2019 12:33

Tgt Ion: 75 Resp: 82734

Ion Ratio Lower Upper

75 100

77 30.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV010643.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV010643.D (-2036) (-)

7.69

50000

40000

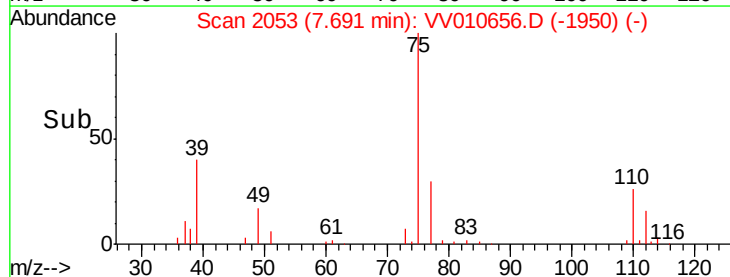
30000

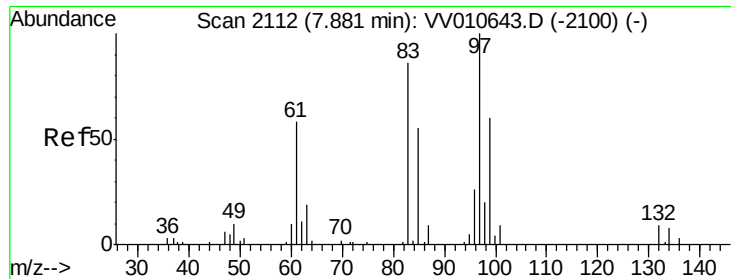
20000

10000

0

Time-->

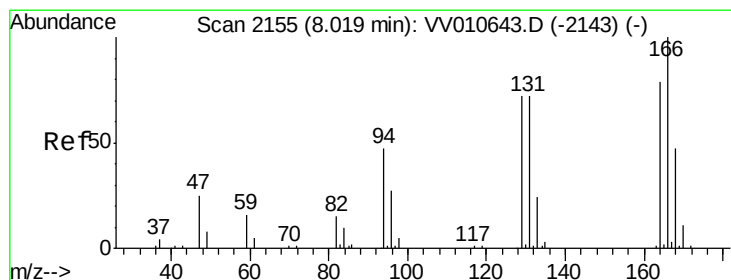
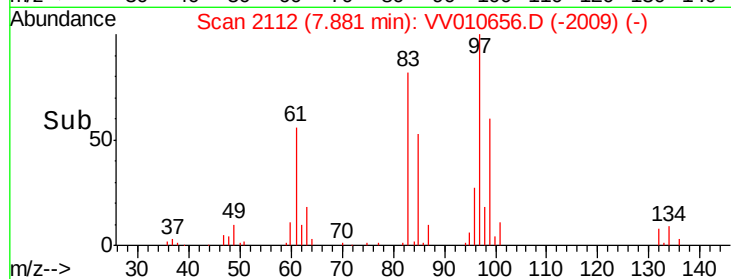
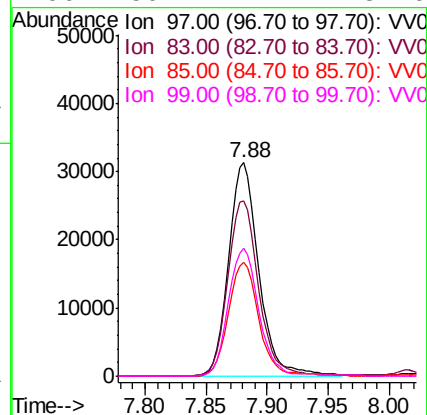
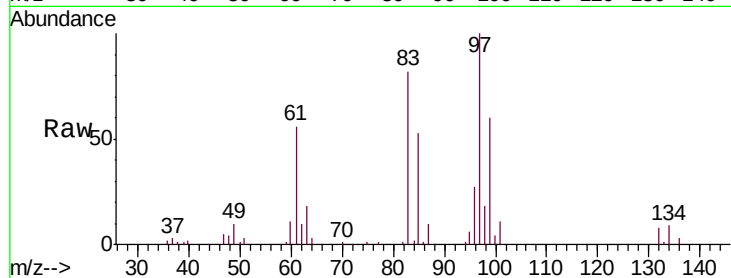




#46
 1,1,2-Trichloroethane
 Concen: 25.034 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

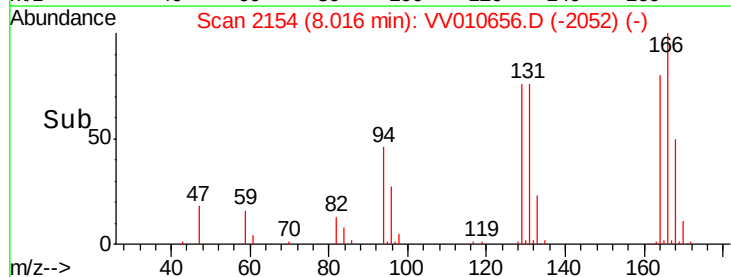
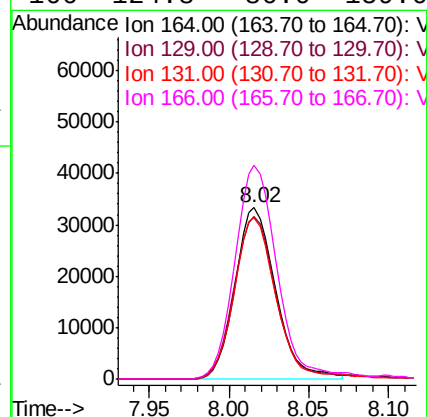
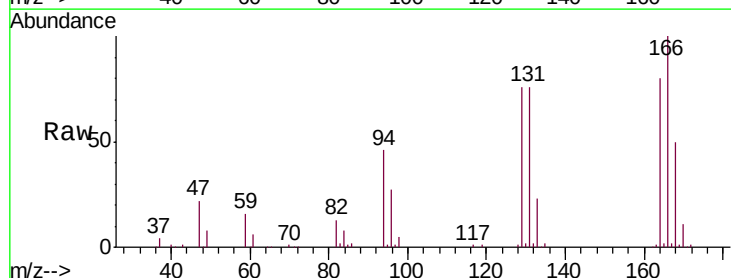
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

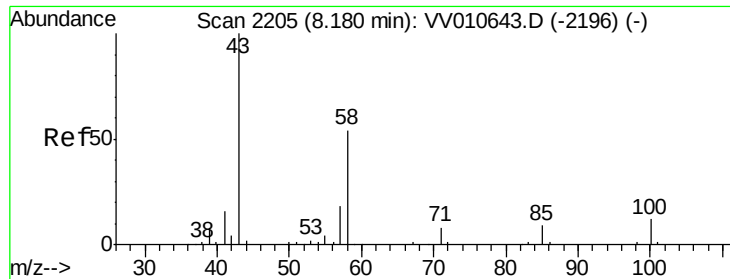
Tgt Ion:	97	Resp:	54703
Ion	Ratio	Lower	Upper
97	100		
83	82.3	62.1	115.3
85	53.2	39.8	74.0
99	59.7	44.2	82.0



#47
 Tetrachloroethene
 Concen: 25.738 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion:	164	Resp:	57578
Ion	Ratio	Lower	Upper
164	100		
129	94.7	67.5	125.4
131	94.3	65.1	120.9
166	124.8	86.0	159.6

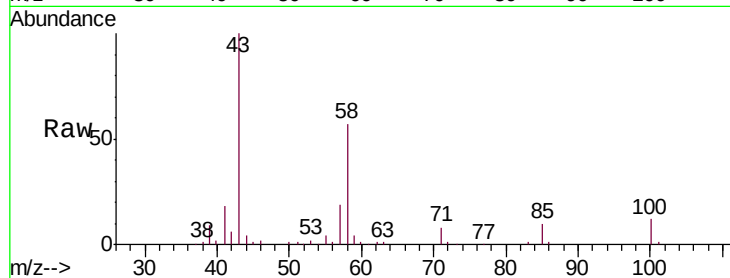




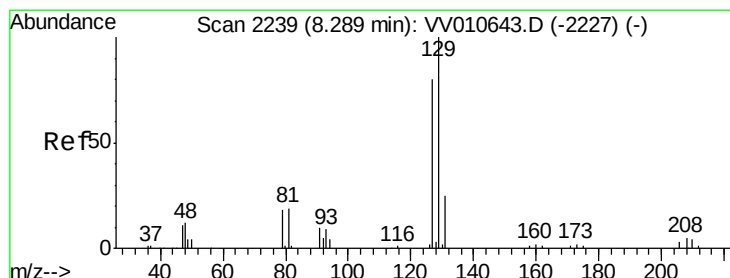
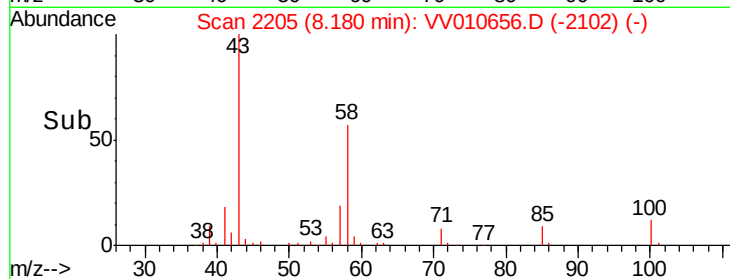
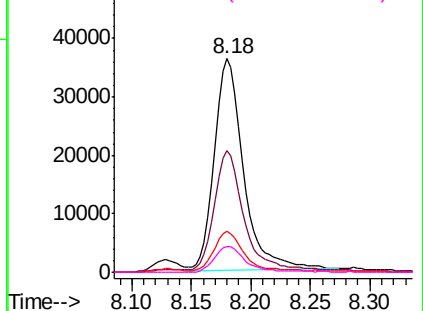
#49
2-Hexanone
Concen: 45.232 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD02582

Tgt Ion: 43 Resp: 61956
Ion Ratio Lower Upper
43 100
58 56.4 42.5 63.7
57 19.4 14.4 21.6
100 12.8 10.0 15.0

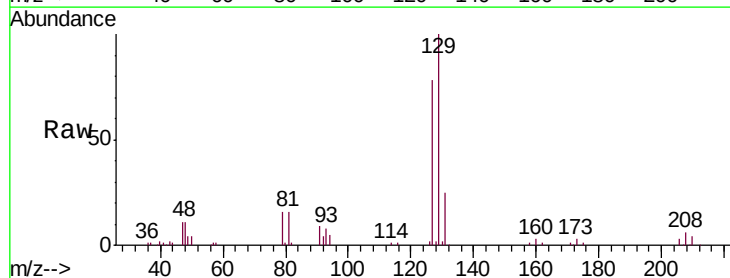


Abundance Ion 43.00 (42.70 to 43.70): VV010643.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV010643.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV010643.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV010643.D (-2196) (-)

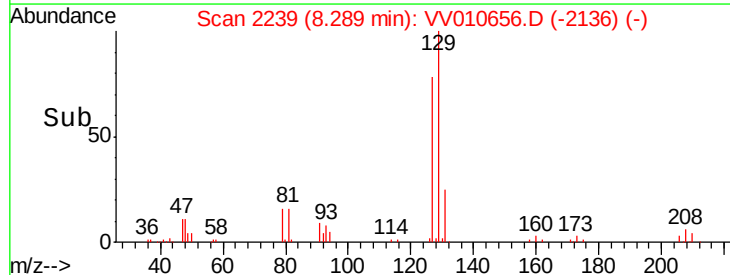
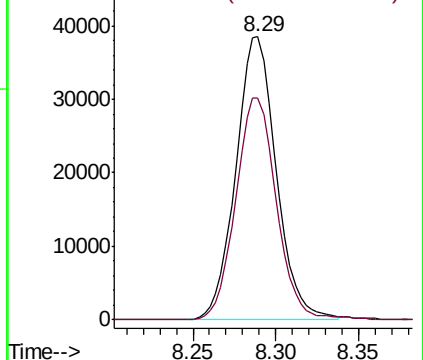


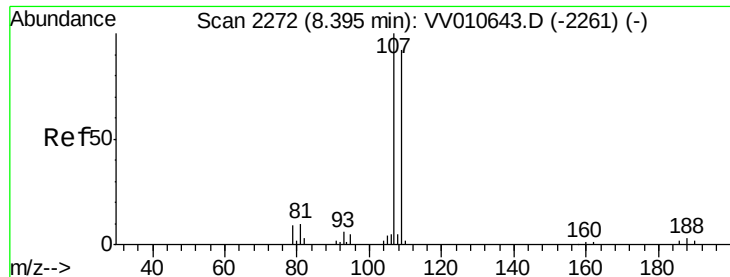
#50
Dibromochloromethane
Concen: 25.208 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010656.D
Acq: 03 May 2019 12:33

Tgt Ion: 129 Resp: 65327
Ion Ratio Lower Upper
129 100
127 78.4 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): VV010643.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV010643.D (-2227) (-)





#51

1,2-Dibromoethane

Concen: 24.433 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02582

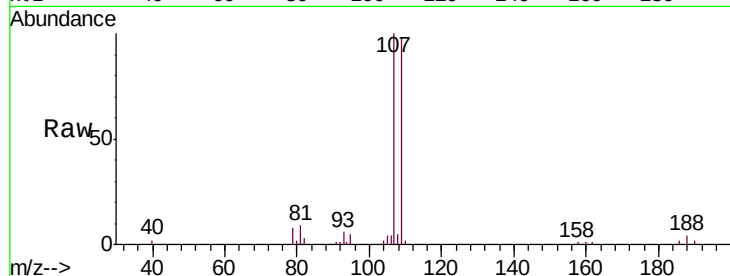
Tgt Ion:107 Resp: 51497

Ion Ratio Lower Upper

107 100

109 97.6 68.7 127.7

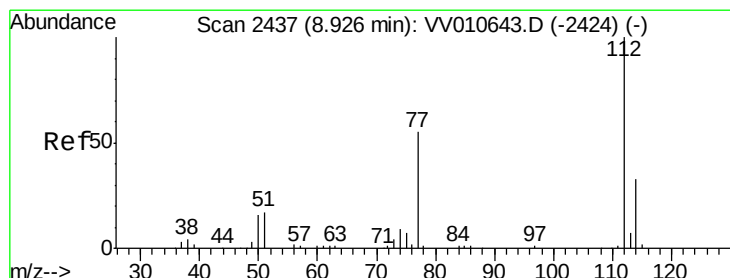
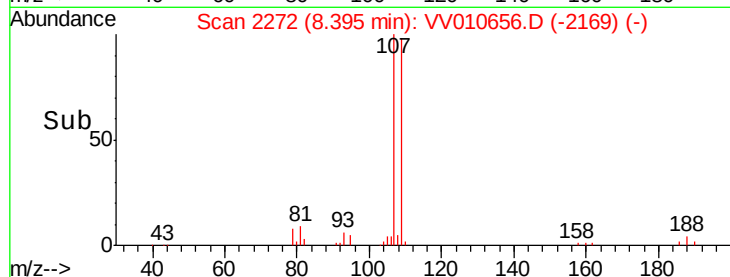
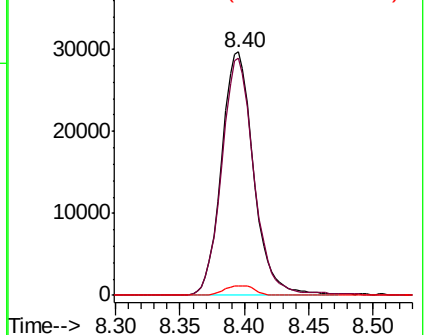
188 3.9 3.0 4.4



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: 25.390 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

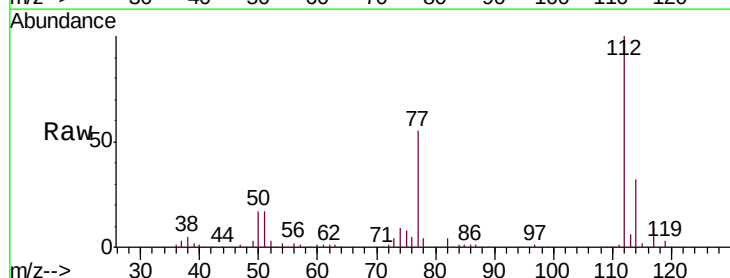
Tgt Ion:112 Resp: 196764

Ion Ratio Lower Upper

112 100

77 55.0 44.5 66.7

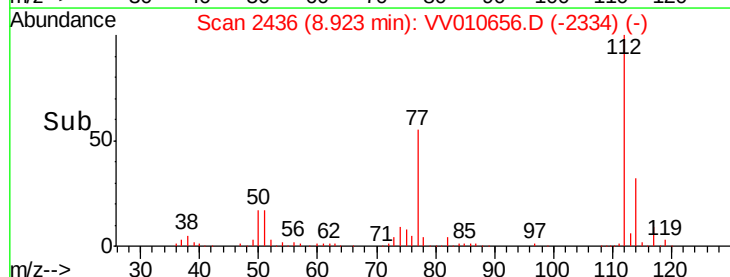
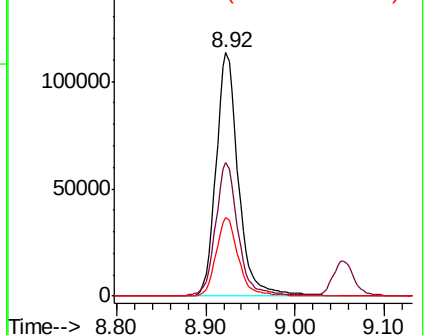
114 32.1 22.5 41.7

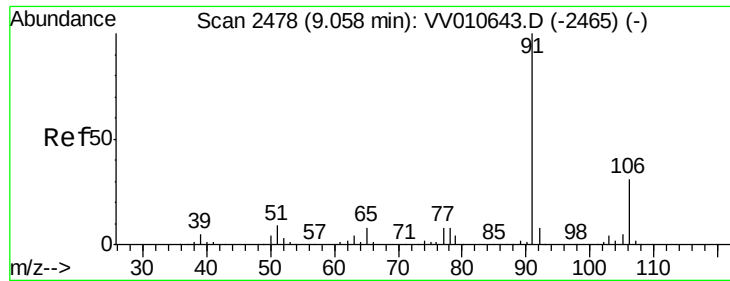


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.060 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

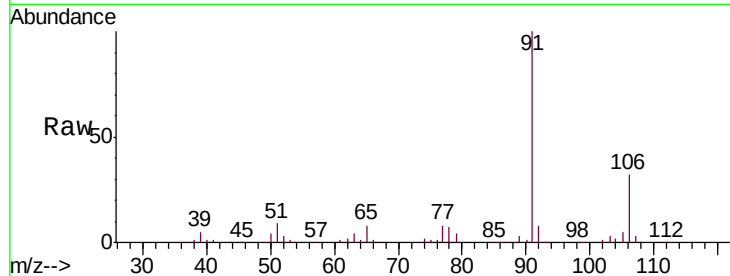
VSTD02582

Tgt Ion: 91 Resp: 327276

Ion Ratio Lower Upper

91 100

106 32.3 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV010643.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV010643.D (-2465) (-)

9.05

200000

150000

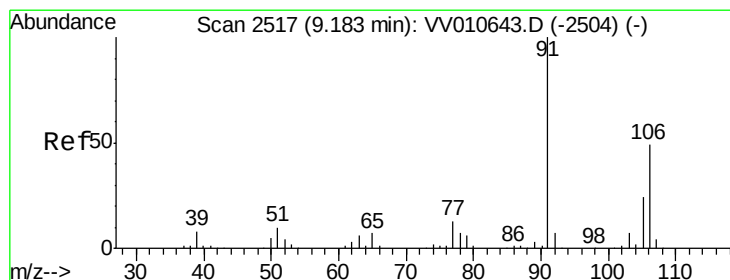
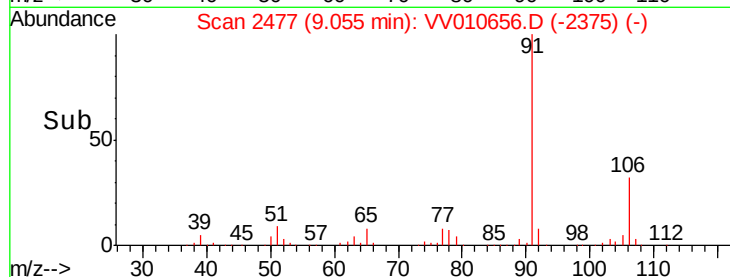
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#54

m,p-Xylene

Concen: 25.840 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010656.D

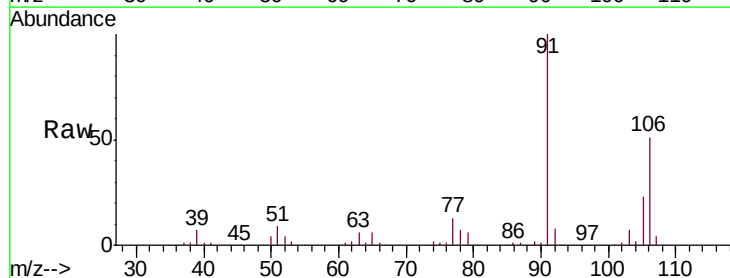
Acq: 03 May 2019 12:33

Tgt Ion: 106 Resp: 122970

Ion Ratio Lower Upper

106 100

91 198.0 140.4 260.8



Abundance Ion 106.00 (105.70 to 106.70): VV010643.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV010643.D (-2504) (-)

9.18

150000

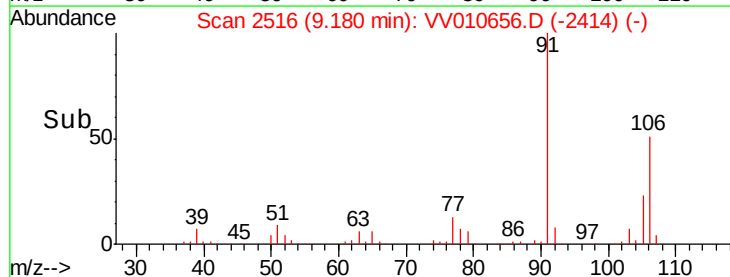
100000

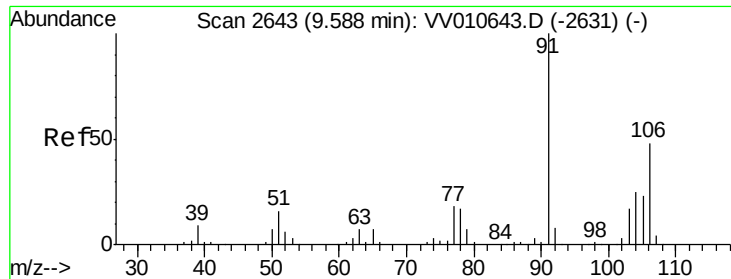
50000

0

9.10 9.15 9.20 9.25

Time-->





#55

o-xylene

Concen: 26.100 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

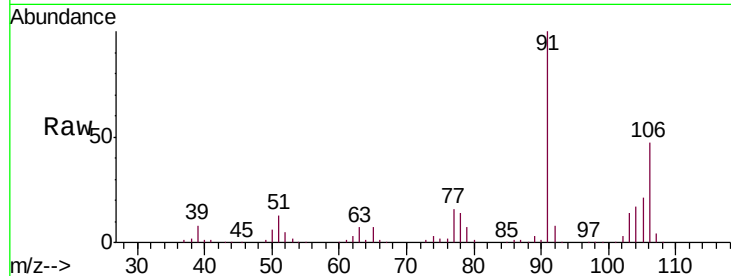
VSTD02582

Tgt Ion:106 Resp: 121342

Ion Ratio Lower Upper

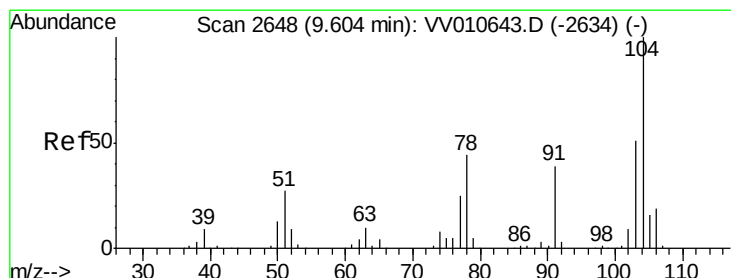
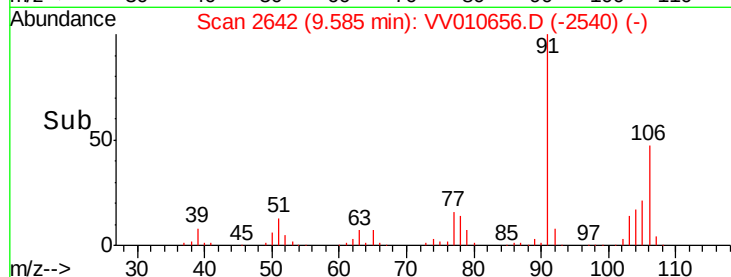
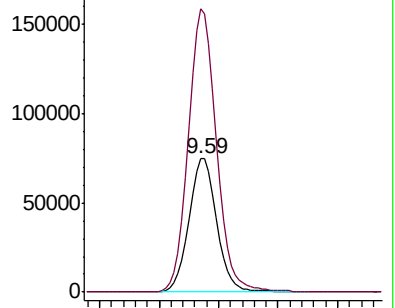
106 100

91 212.8 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.185 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010656.D

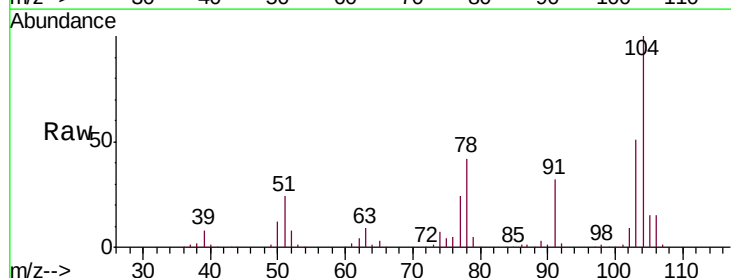
Acq: 03 May 2019 12:33

Tgt Ion:104 Resp: 206611

Ion Ratio Lower Upper

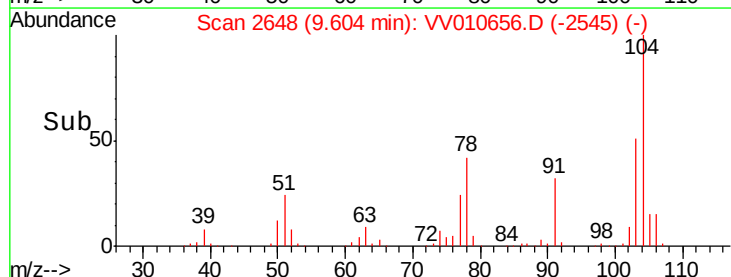
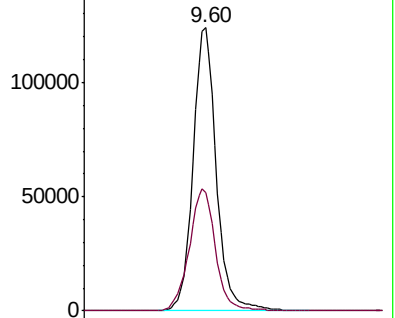
104 100

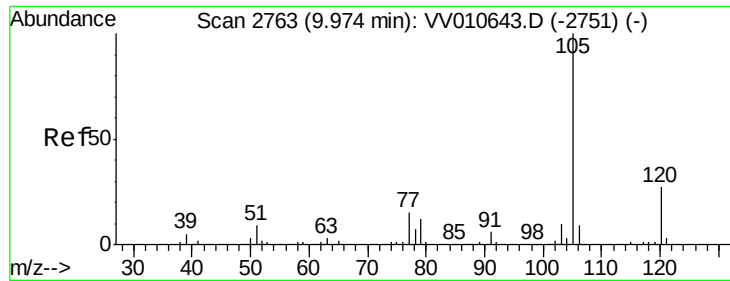
78 42.0 30.4 56.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.251 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampled :

VSTD02582

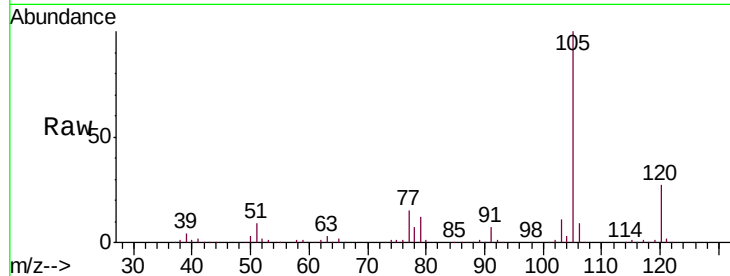
Tgt Ion:105 Resp: 332462

Ion Ratio Lower Upper

105 100

120 27.4 21.7 32.5

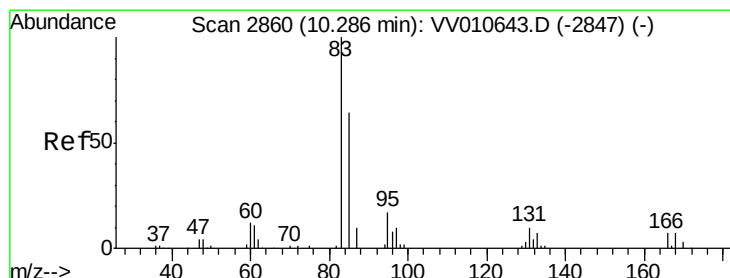
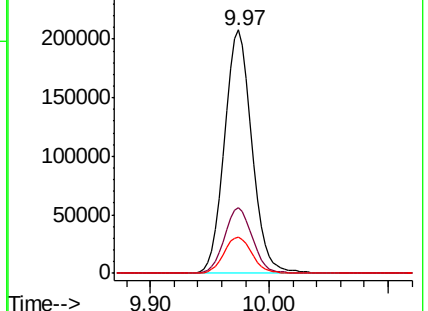
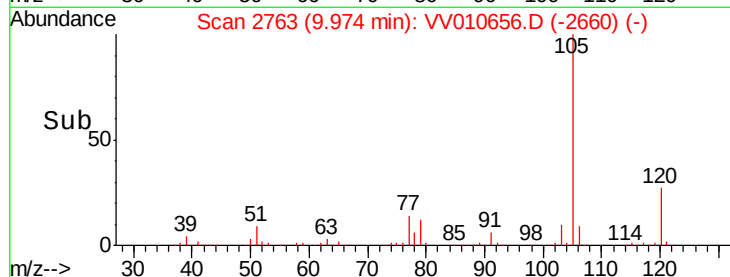
77 15.4 12.3 18.5



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: 23.229 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

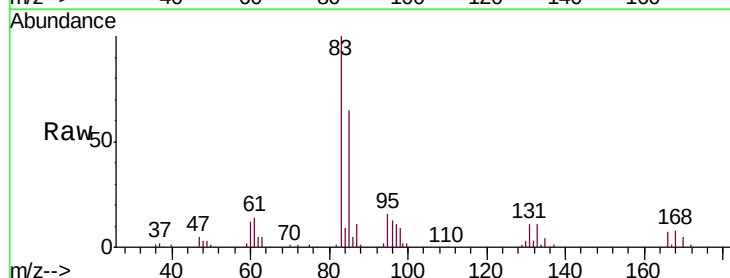
Tgt Ion: 83 Resp: 63321

Ion Ratio Lower Upper

83 100

85 65.2 46.5 86.3

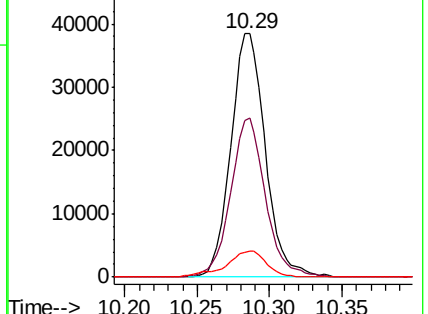
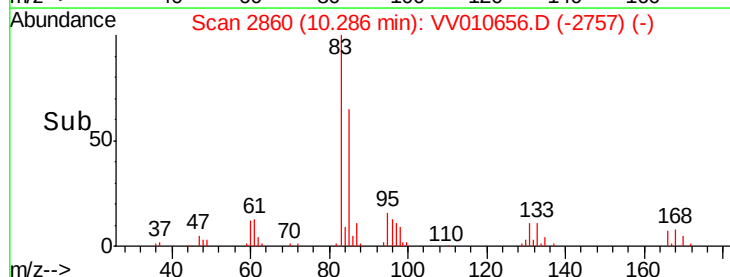
131 10.8 8.4 12.6

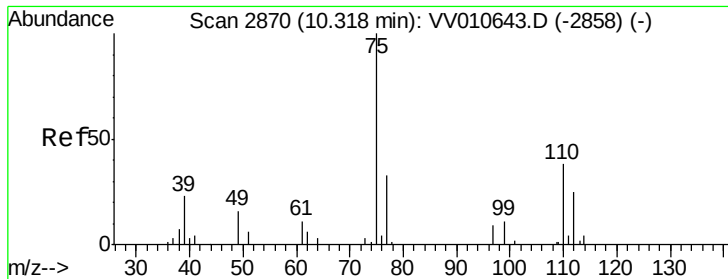


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

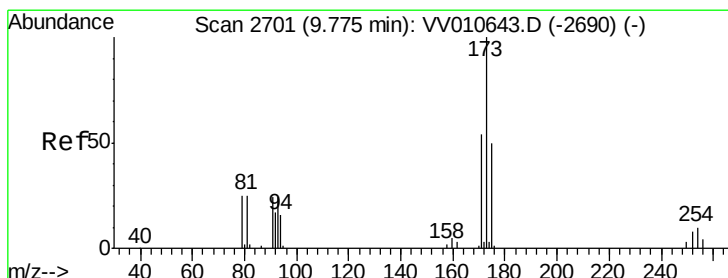
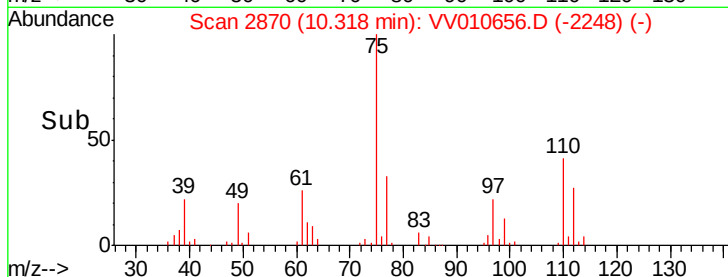
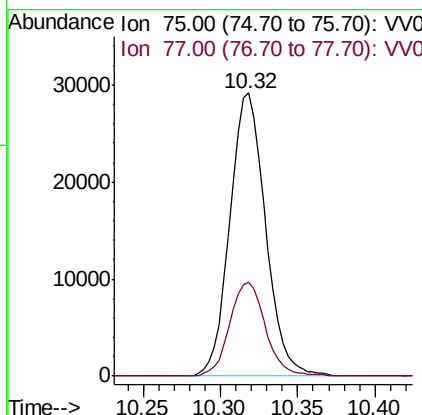
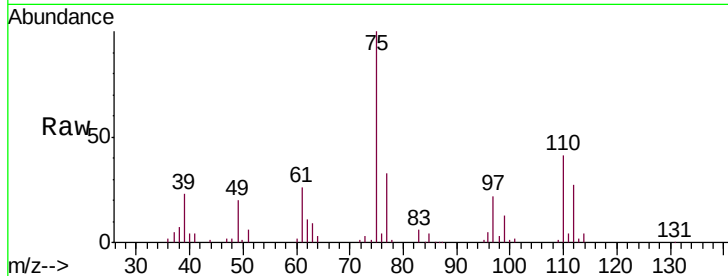




#59
 1,2,3-Trichloropropane
 Concen: 22.748 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

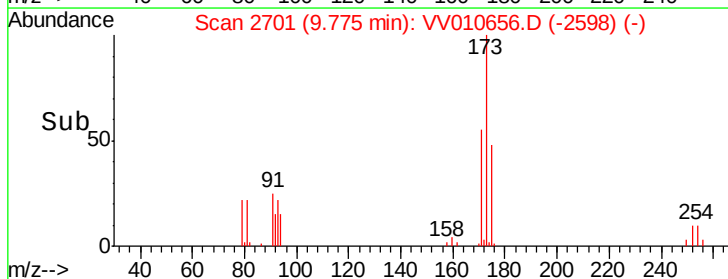
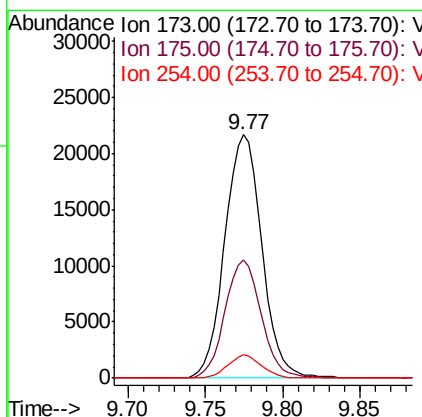
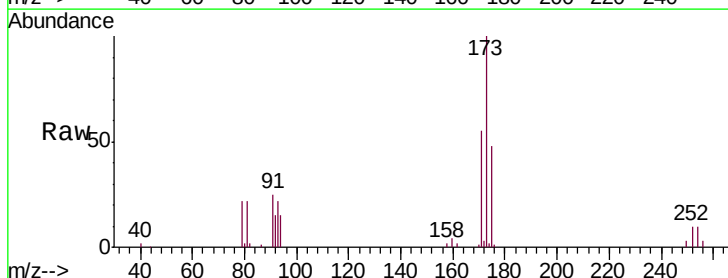
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

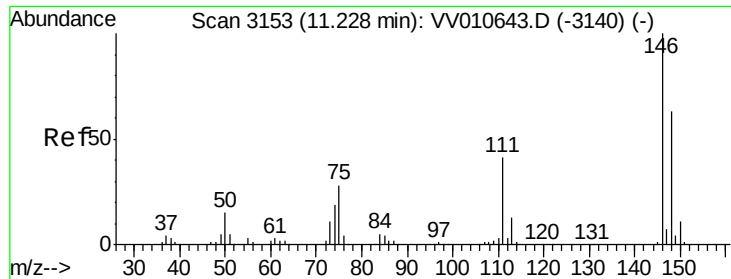
Tgt Ion: 75 Resp: 46651
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.6 38.4



#62
 Bromoform
 Concen: 25.177 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion: 173 Resp: 36094
 Ion Ratio Lower Upper
 173 100
 175 47.2 37.9 56.9
 254 8.6 5.9 8.9

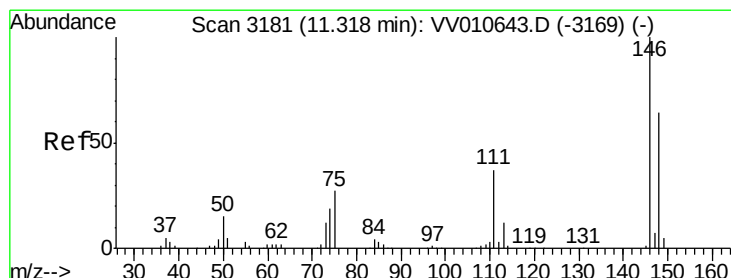
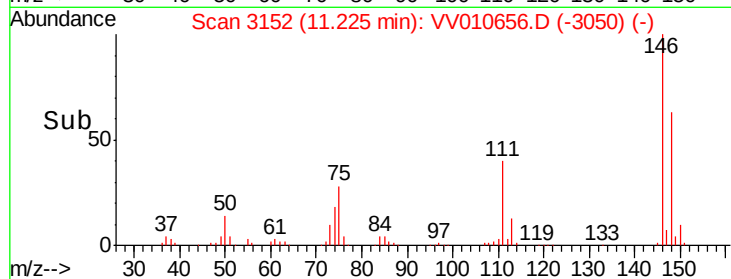
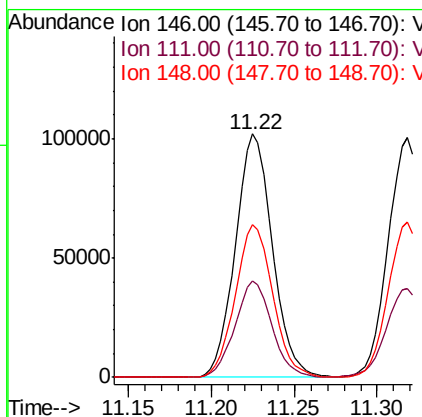
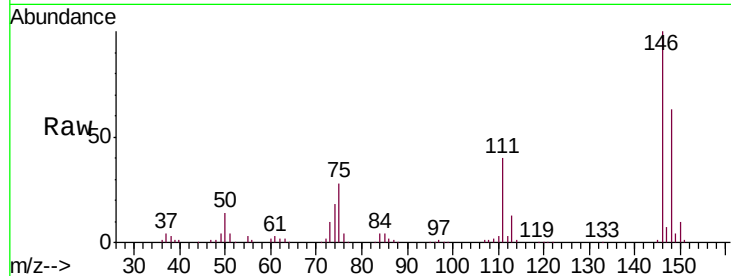




#63
 1,3-Dichlorobenzene
 Concen: 27.203 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

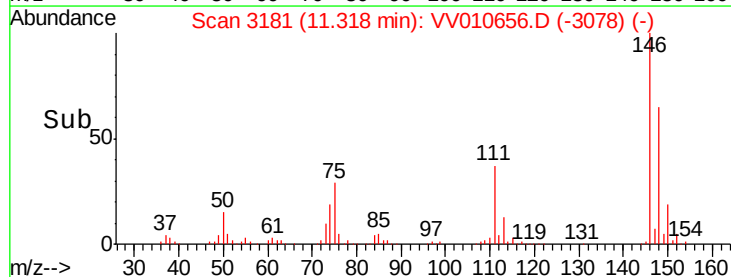
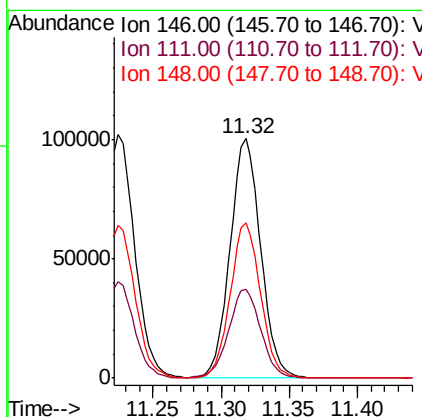
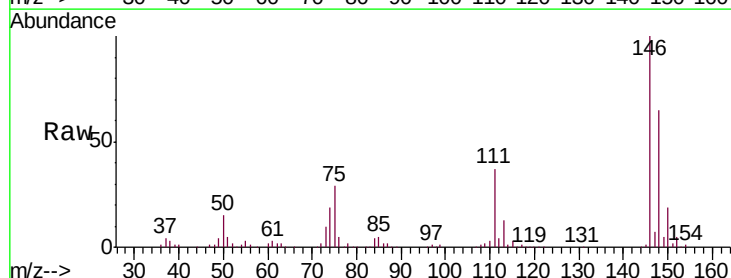
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

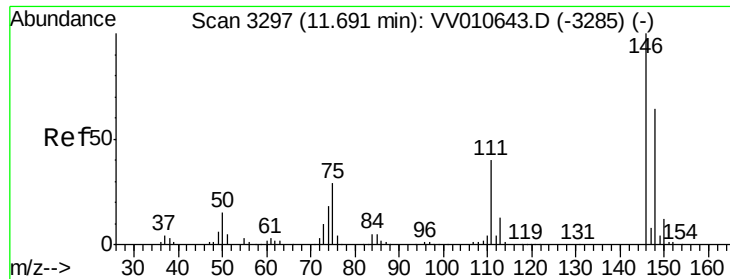
Tgt Ion:146 Resp: 158674
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.3 52.7
 148 62.8 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 25.624 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion:146 Resp: 156080
 Ion Ratio Lower Upper
 146 100
 111 37.4 27.6 51.4
 148 64.8 44.0 81.8

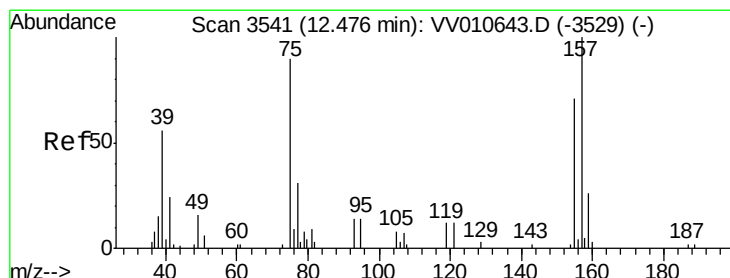
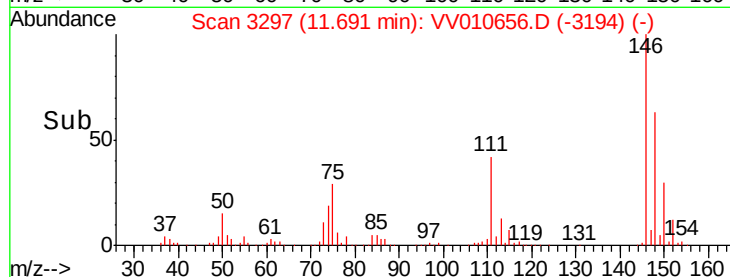
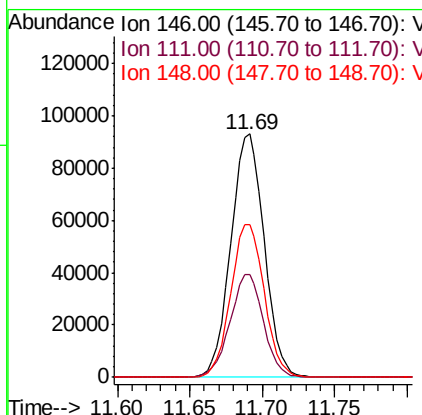
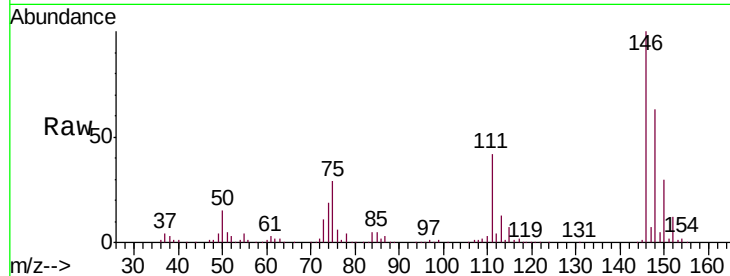




#65
 1,2-Dichlorobenzene
 Concen: 25.773 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

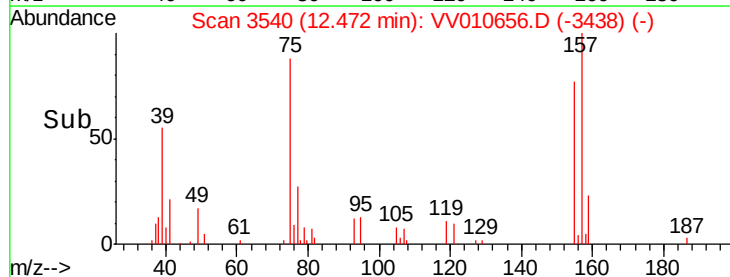
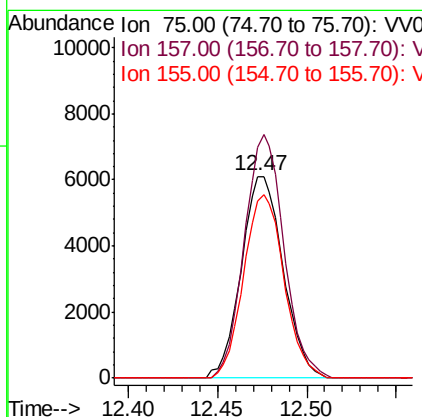
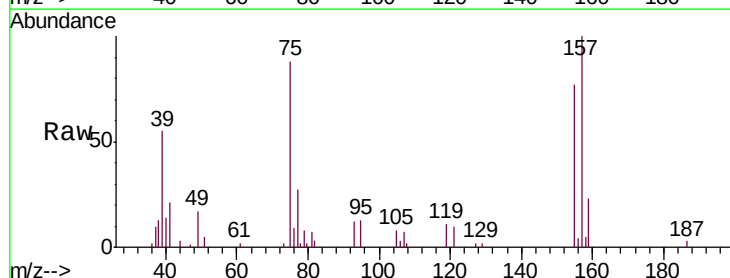
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

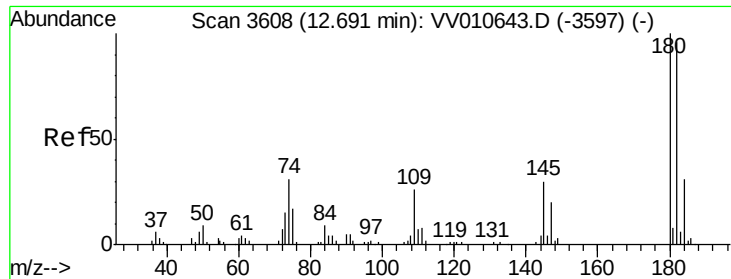
Tgt Ion: 146 Resp: 148416
 Ion Ratio Lower Upper
 146 100
 111 42.4 32.7 49.1
 148 62.8 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.564 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion: 75 Resp: 9980
 Ion Ratio Lower Upper
 75 100
 157 114.3 91.1 136.7
 155 87.9 61.0 91.6

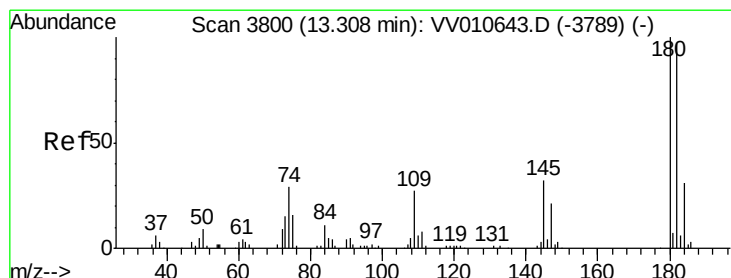
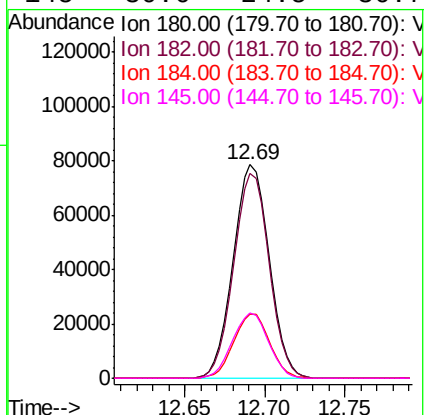
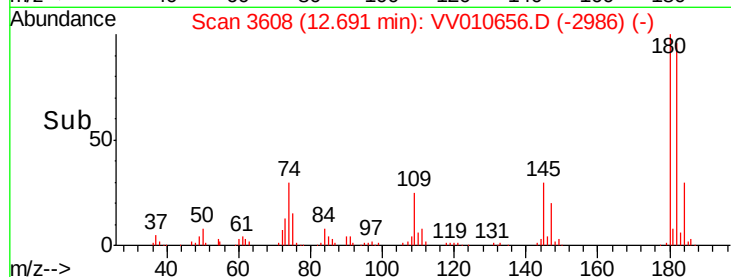
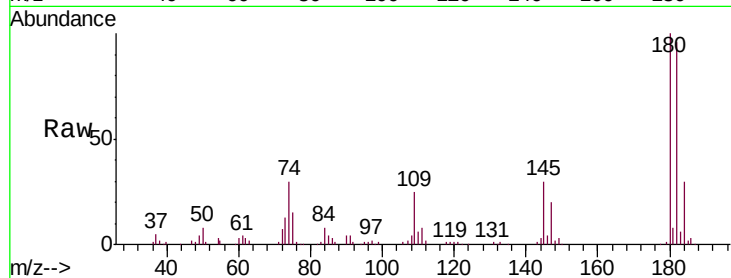




#67
 1,3,5-Trichlorobenzene
 Concen: 26.837 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

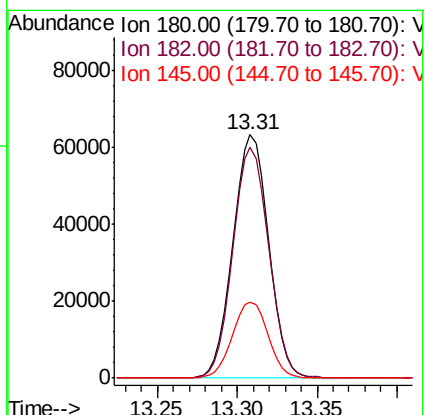
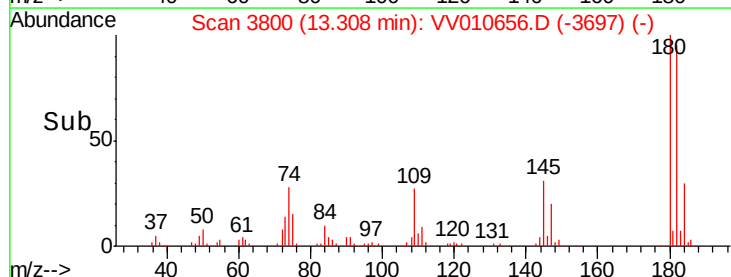
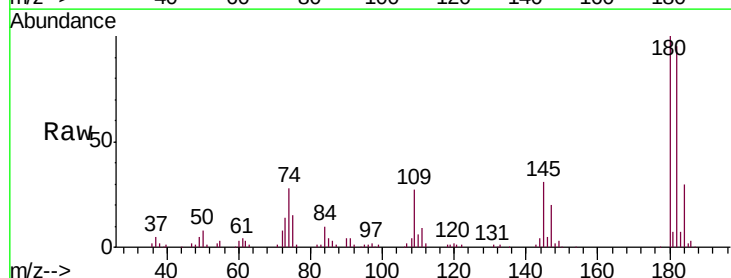
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

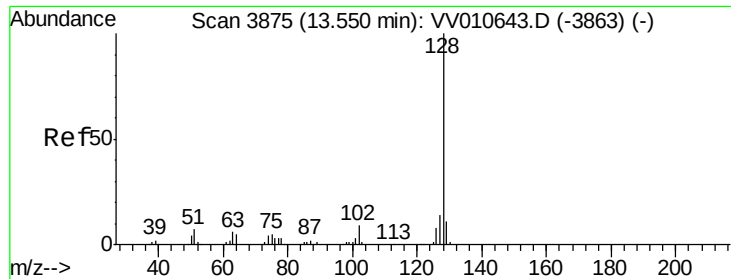
Tgt Ion:	180	Resp:	120186
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.2	112.8
184	29.9	23.8	35.6
145	30.6	24.5	36.7



#68
 1,2,4-trichlorobenzene
 Concen: 28.148 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010656.D
 Acq: 03 May 2019 12:33

Tgt Ion:	180	Resp:	96183
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
145	31.2	26.0	39.0





#69

Naphthalene

Concen: 28.197 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02582

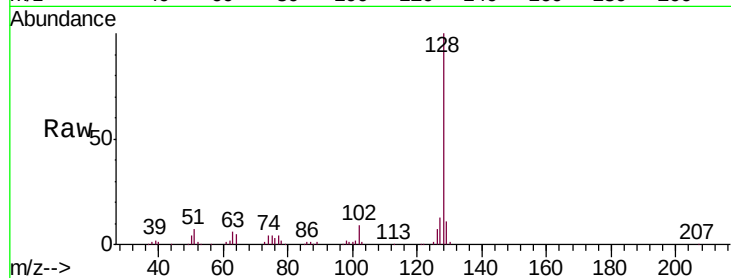
Tgt Ion:128 Resp: 184226

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

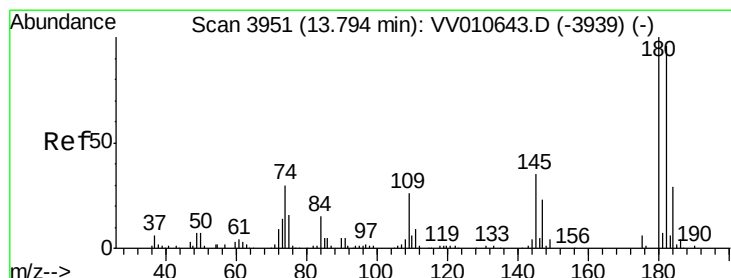
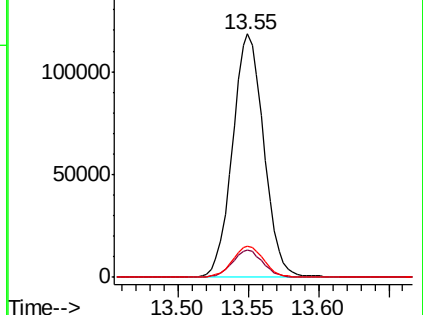
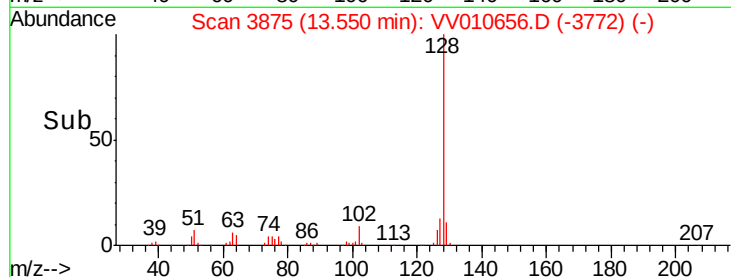
127 12.9 10.6 15.8



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: 27.552 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010656.D

Acq: 03 May 2019 12:33

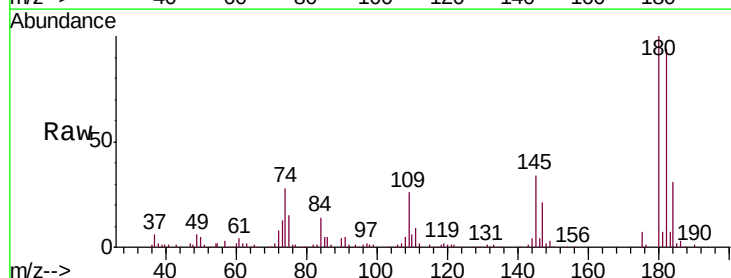
Tgt Ion:180 Resp: 88804

Ion Ratio Lower Upper

180 100

182 95.0 79.0 118.6

145 33.1 28.2 42.4



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

