

Data File : VV009635.D
Acq On : 13 Mar 2019 12:19
Operator : SY/MD
Sample : VSTD10082
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10082

Quant Time: Mar 13 12:45:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 11:58:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182270	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175603	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	231385	105.46	ug/L	0.00
7) Chloroethane-d5	1.58	69	363765	114.64	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	589966	103.33	ug/L	0.00
20) 2-Butanone-d5	3.94	46	145328	194.37	ug/L	0.01
24) Chloroform-d	4.40	84	464852	107.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	268230	108.59	ug/L	0.00
29) Benzene-d6	5.10	84	905723	104.14	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	269961	105.18	ug/L	0.00
37) Toluene-d8	7.36	98	892413	105.25	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	138903	111.68	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	113367	189.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	279010	102.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	326490	100.37	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	236699	112.784	ug/L	99
3) Chloromethane	1.25	50	221454	99.009	ug/L	100
5) Vinyl chloride	1.32	62	246457	99.946	ug/L	99
6) Bromomethane	1.53	94	275100	89.616	ug/L	99
8) Chloroethane	1.60	64	274634	100.224	ug/L	99
9) Trichlorofluoromethane	1.76	101	527962	104.375	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	284444	100.427	ug/L	98
12) 1,1-Dichloroethene	2.14	96	248002	102.341	ug/L	93
13) Acetone	2.21	43	156340	205.663	ug/L	99
14) Carbon disulfide	2.31	76	616654	100.395	ug/L	100
15) Methyl Acetate	2.46	43	109253	88.750	ug/L	99
16) Methylene chloride	2.53	84	219181	91.628	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	581314	107.124	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	219027	100.623	ug/L	99
19) 1,1-Dichloroethane	3.23	63	387857	101.126	ug/L	98
21) 2-Butanone	4.03	43	198210	206.598	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	249606	101.576	ug/L	100
23) Bromochloromethane	4.30	128	117088	103.335	ug/L	97
25) Chloroform	4.42	83	433422	101.261	ug/L	99
27) 1,2-Dichloroethane	5.18	62	311101	104.653	ug/L	98
30) Cyclohexane	4.72	56	358025	96.068	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	382250	97.374	ug/L	99
32) Carbon tetrachloride	4.87	117	345123	103.990	ug/L	100
34) Benzene	5.15	78	913246	100.648	ug/L	100
35) Trichloroethene	5.96	95	250090	95.906	ug/L	100
36) Methylcyclohexane	6.18	83	410310	96.590	ug/L	98
40) 1,2-Dichloropropane	6.22	63	225279	96.291	ug/L	99
41) Bromodichloromethane	6.55	83	334016	105.772	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	384302	105.806	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	343748	186.387	ug/L	97

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QLast Update : Wed Mar 13 11:58:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1052024	102.571	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	340611	107.376	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	197737	101.732	ug/L	98
47) Tetrachloroethene	8.02	164	196355	99.277	ug/L	98
49) 2-Hexanone	8.19	43	286756	205.620	ug/L	99
50) Dibromochloromethane	8.29	129	255266	108.476	ug/L	98
51) 1,2-Dibromoethane	8.40	107	206587	102.869	ug/L	97
52) Chlorobenzene	8.93	112	672080	98.859	ug/L	100
53) Ethylbenzene	9.06	91	1172435	99.894	ug/L	97
54) m,p-Xylene	9.18	106	454707	102.362	ug/L	99
55) o-xylene	9.59	106	445634	104.036	ug/L	100
56) Styrene	9.60	104	771231	109.441	ug/L	99
57) Isopropylbenzene	9.98	105	1180497	99.917	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	269597	98.229	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	190762	96.419	ug/L	100
62) Bromoform	9.78	173	153181	105.936	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	532957	95.754	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	534032	93.894	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	508129	97.894	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	47344	91.064	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	380572	95.324	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	318570	99.664	ug/L	99
69) Naphthalene	13.55	128	687601	102.128	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	297930	101.315	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD10082

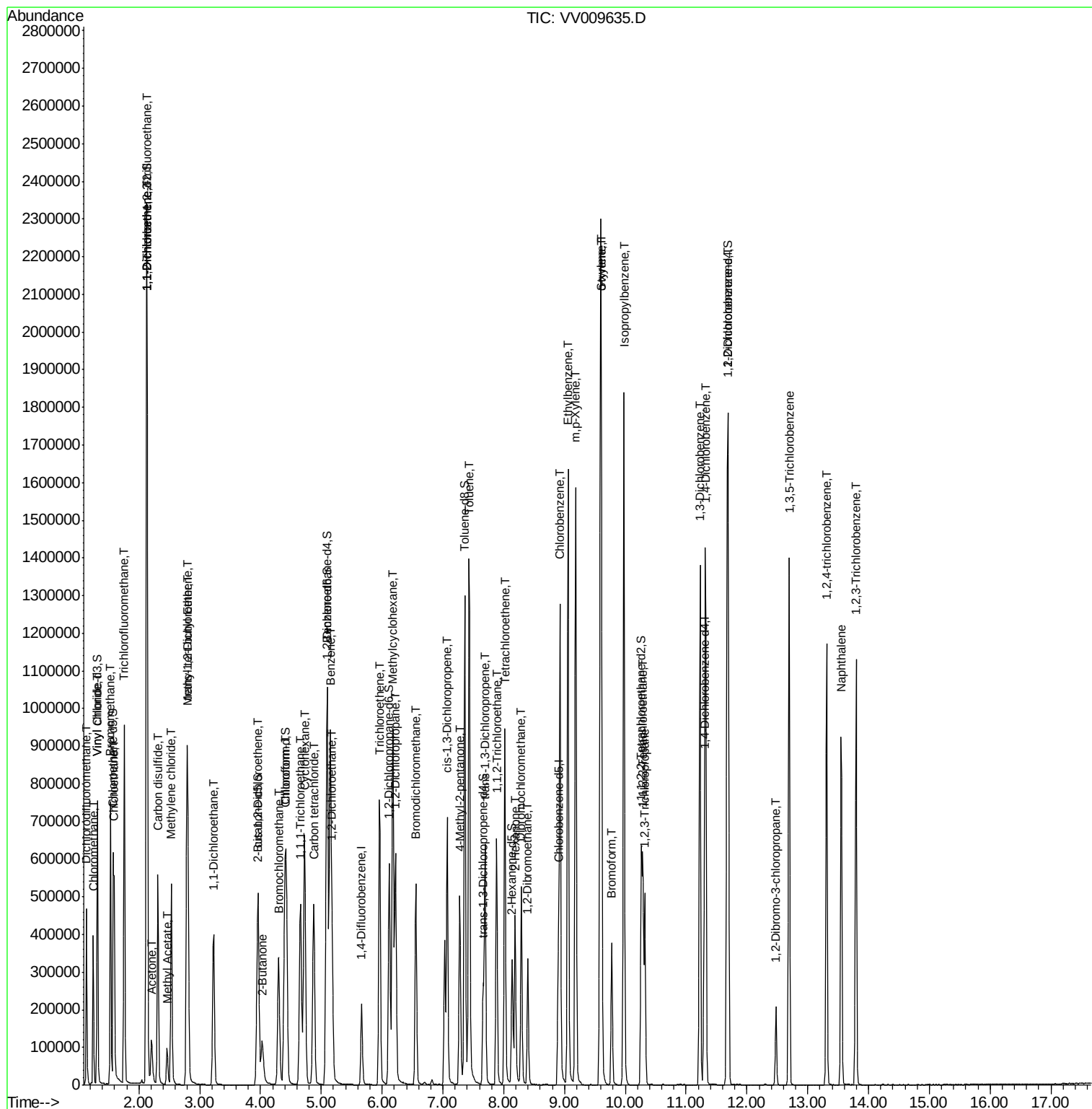
Quant Time: Mar 13 12:45:56 2019

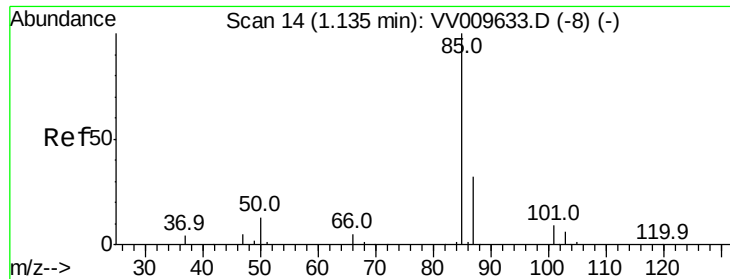
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM031319S.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 13 11:58:24 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 112.784 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

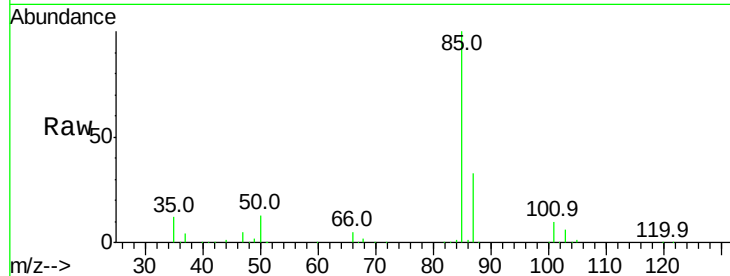
VSTD10082

Tgt Ion: 85 Resp: 236699

Ion Ratio Lower Upper

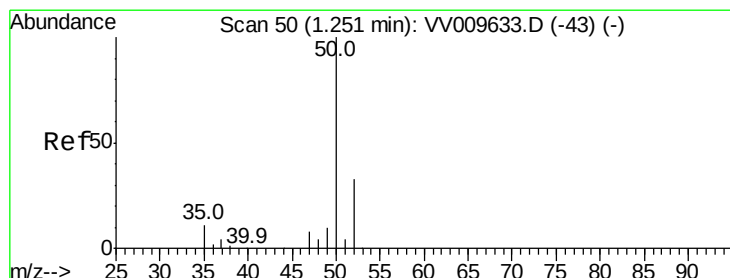
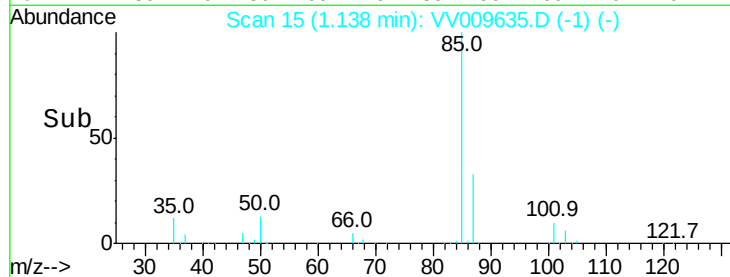
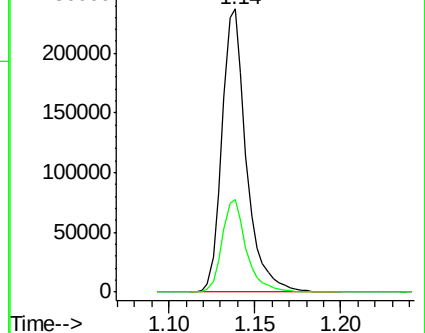
85 100

87 32.6 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 99.009 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009635.D

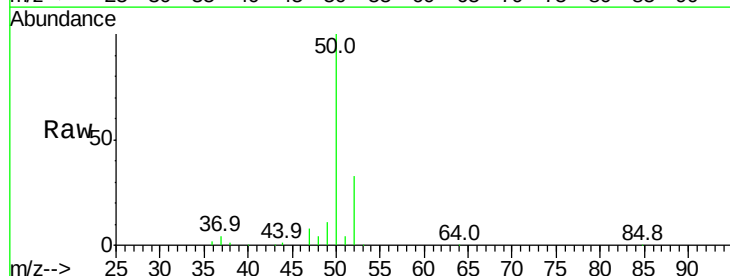
Acq: 13 Mar 2019 12:19

Tgt Ion: 50 Resp: 221454

Ion Ratio Lower Upper

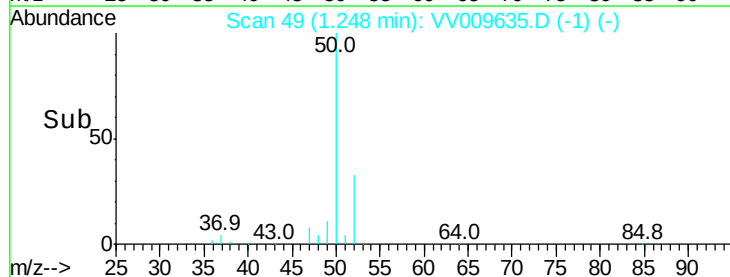
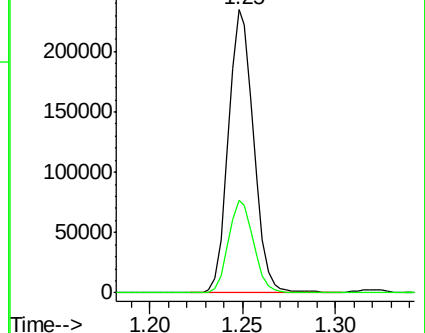
50 100

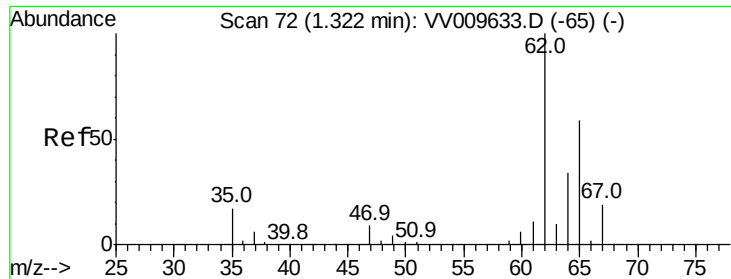
52 32.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 99.946 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

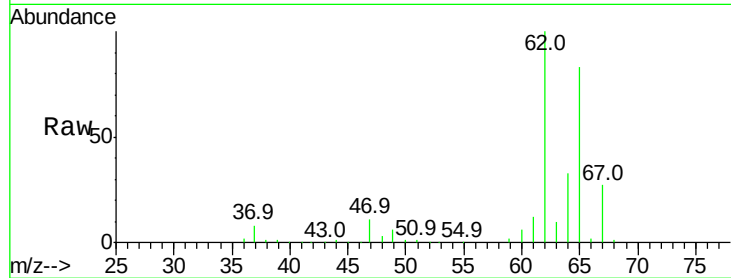
VSTD10082

Tgt Ion: 62 Resp: 246457

Ion Ratio Lower Upper

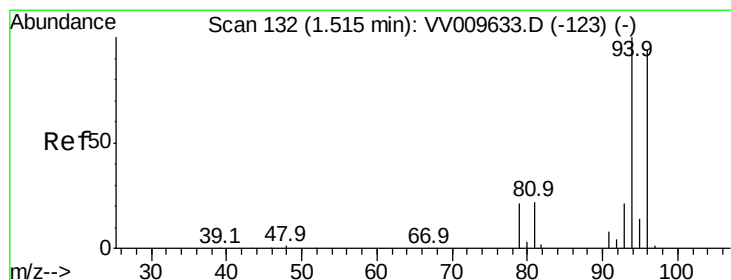
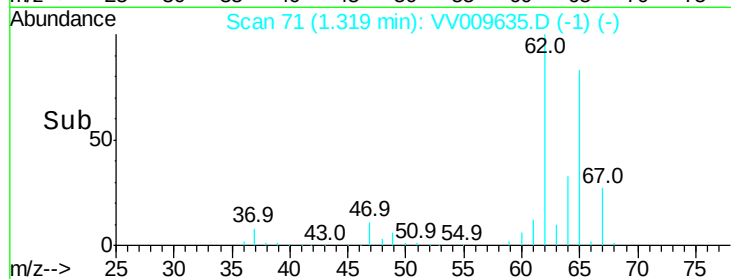
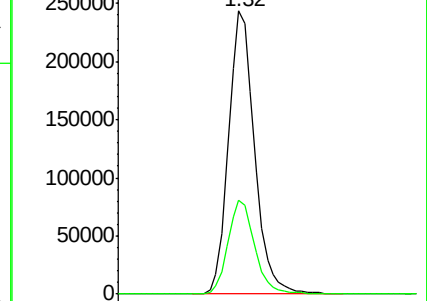
62 100

64 33.2 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 89.616 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.02 min

Lab File: VV009635.D

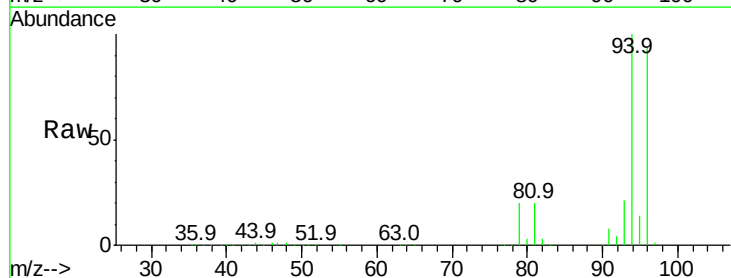
Acq: 13 Mar 2019 12:19

Tgt Ion: 94 Resp: 275100

Ion Ratio Lower Upper

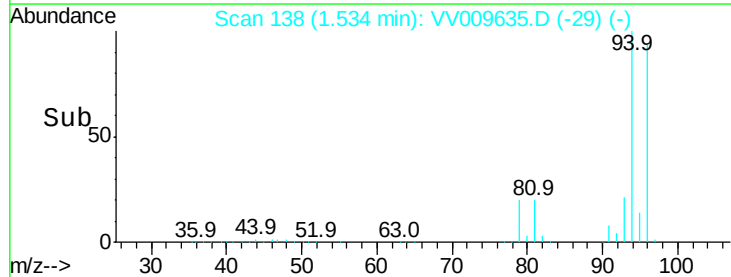
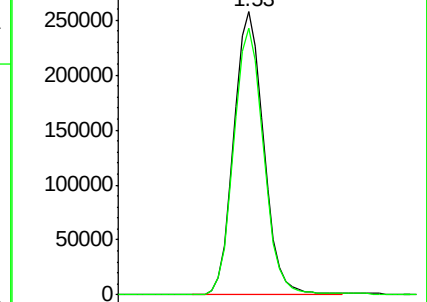
94 100

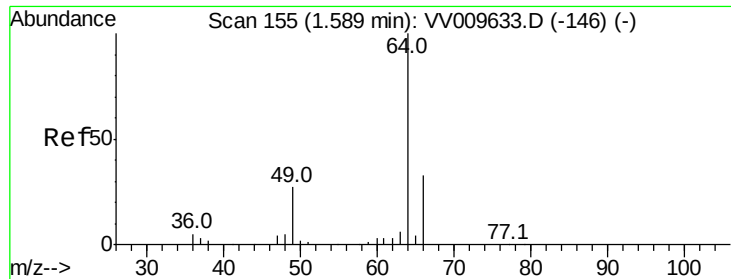
96 94.5 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 100.224 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.01 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

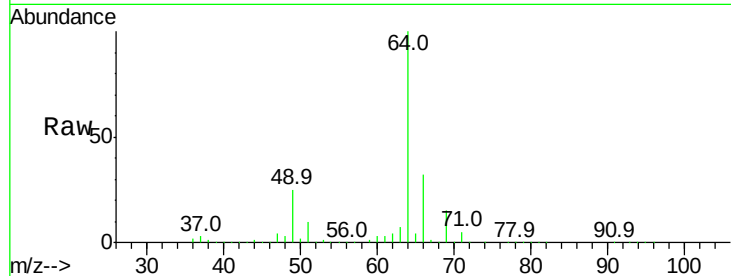
VSTD10082

Tgt Ion: 64 Resp: 274634

Ion Ratio Lower Upper

64 100

66 32.4 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV009633.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV009633.D (-146) (-)

1.60

250000

200000

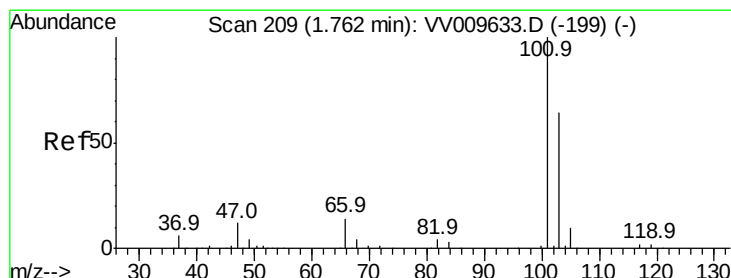
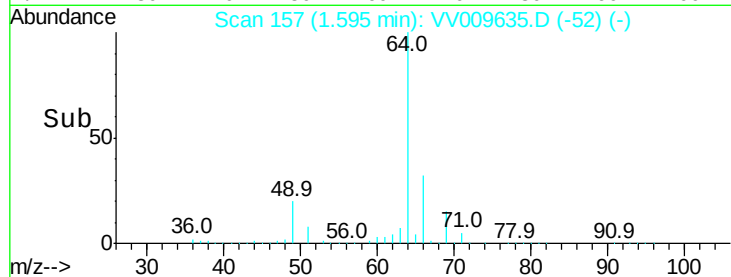
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 104.375 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009635.D

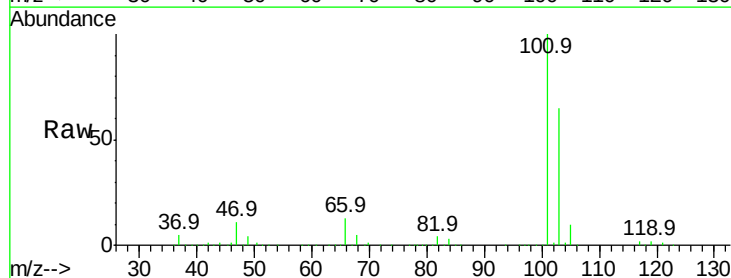
Acq: 13 Mar 2019 12:19

Tgt Ion: 101 Resp: 527962

Ion Ratio Lower Upper

101 100

103 64.7 45.4 84.2



Abundance Ion 101.00 (100.70 to 101.70): VV009633.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV009633.D (-199) (-)

1.76

400000

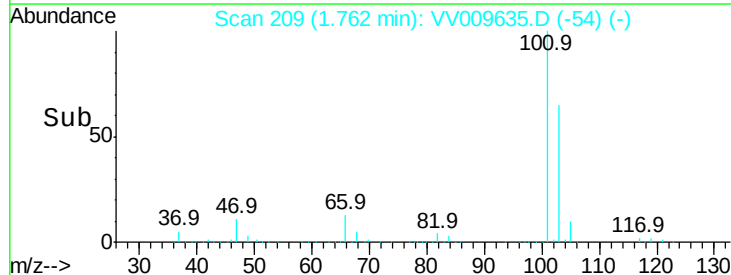
300000

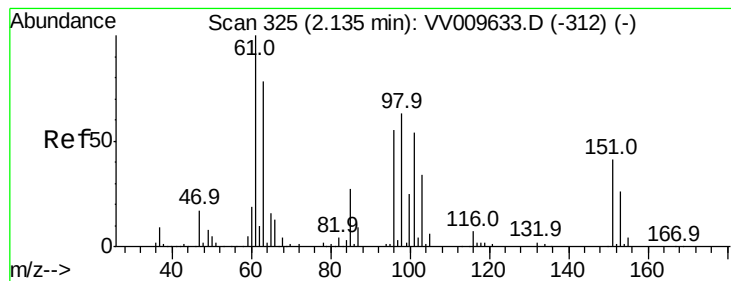
200000

100000

0

Time-->





#11

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

Concen: 100.427 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD10082

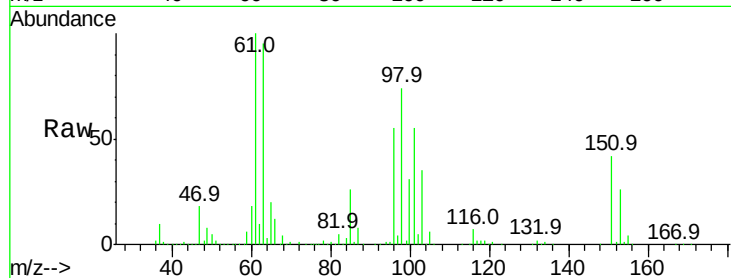
Tgt Ion: 101 Resp: 284444

Ion Ratio Lower Upper

101 100

85 47.5 38.7 58.1

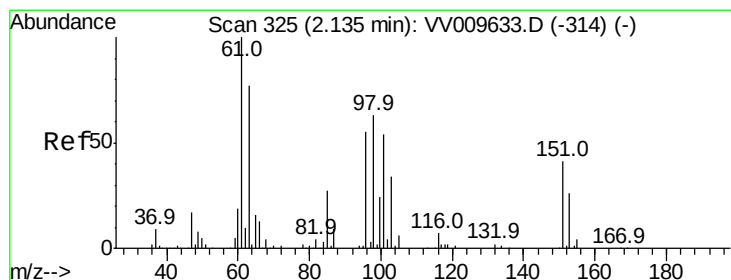
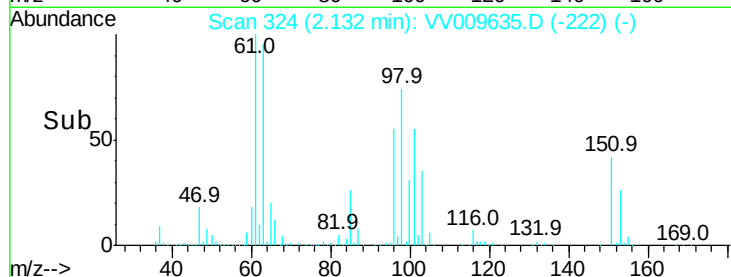
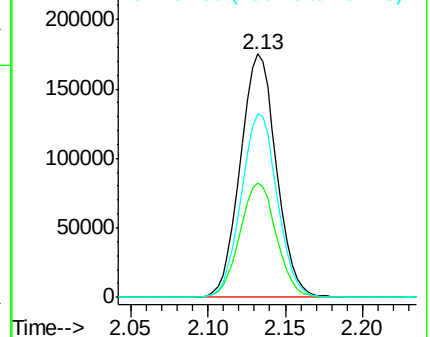
151 75.3 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 102.341 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

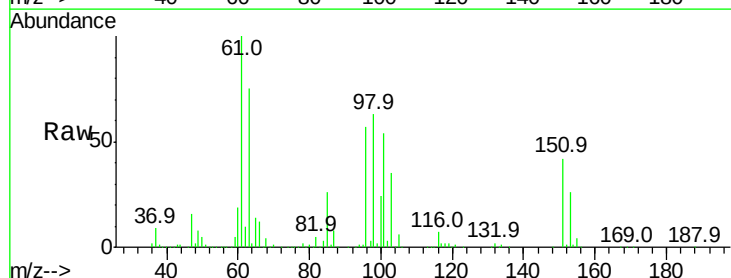
Tgt Ion: 96 Resp: 248002

Ion Ratio Lower Upper

96 100

61 175.6 128.4 238.5

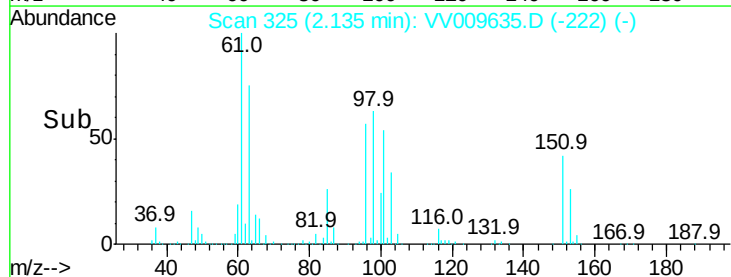
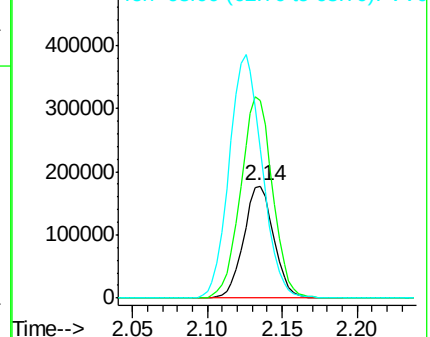
63 132.3 100.7 186.9

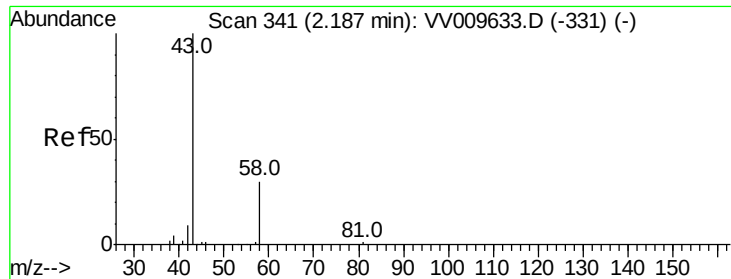


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 205.663 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.02 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

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ClientSampleId :

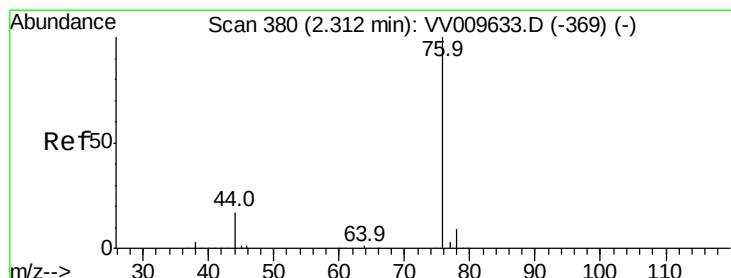
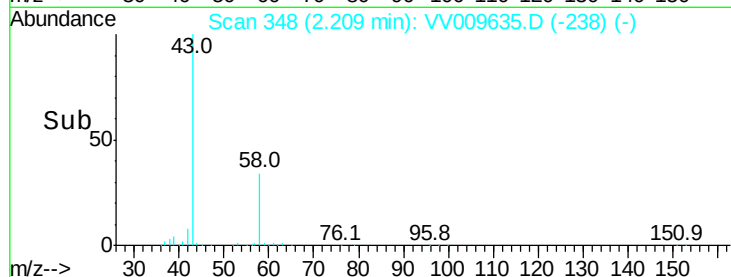
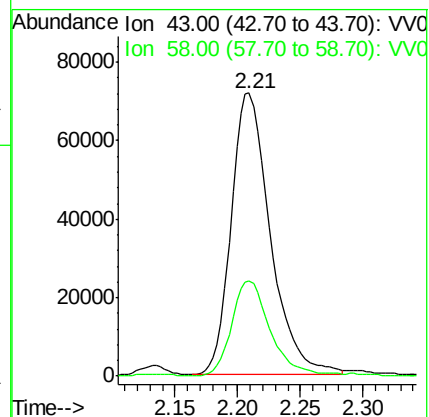
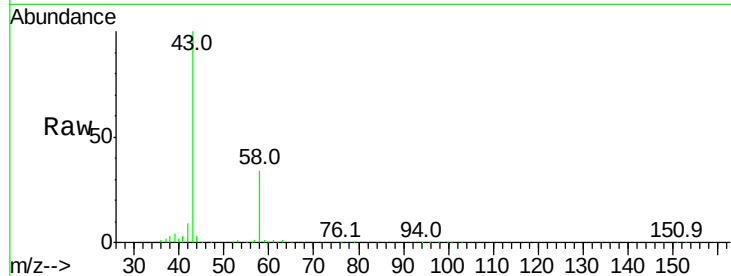
VSTD10082

Tgt Ion: 43 Resp: 156340

Ion Ratio Lower Upper

43 100

58 32.9 0.0 64.8



#14

Carbon disulfide

Concen: 100.395 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009635.D

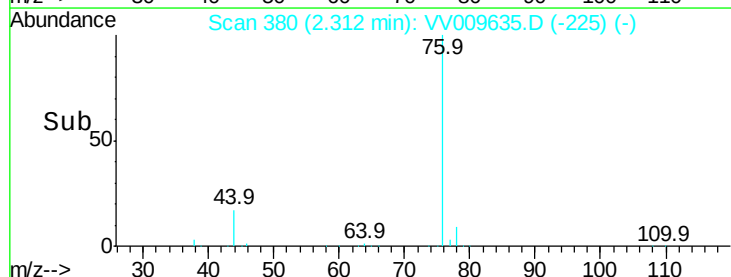
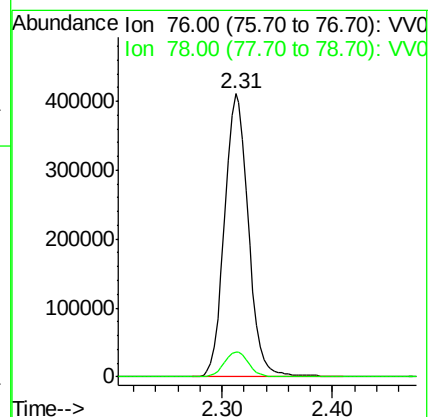
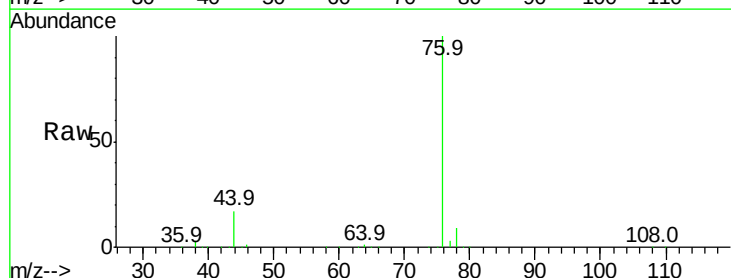
Acq: 13 Mar 2019 12:19

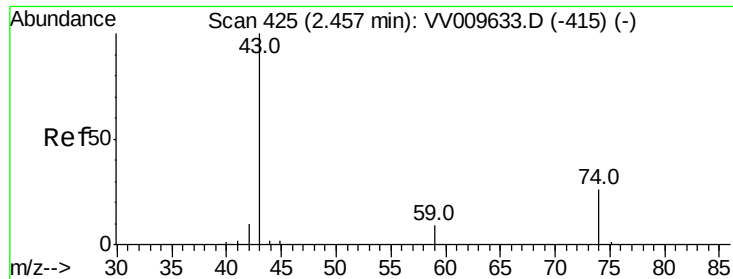
Tgt Ion: 76 Resp: 616654

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

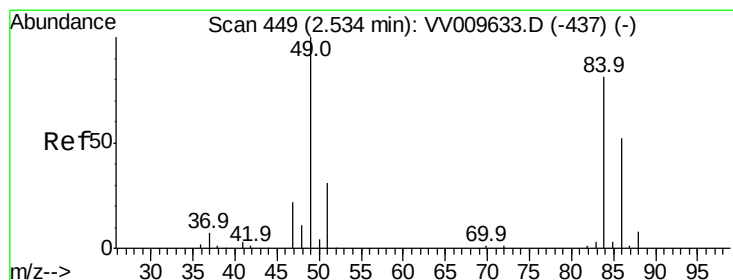
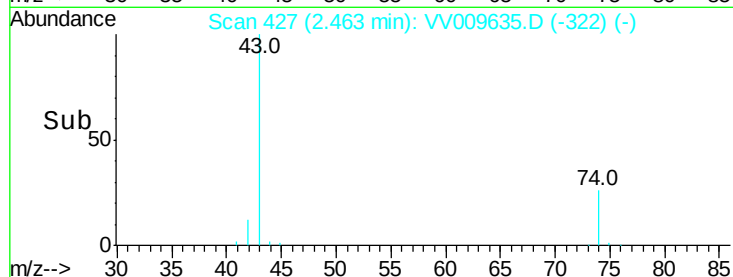
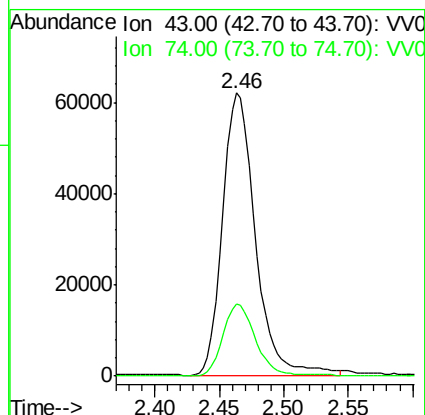
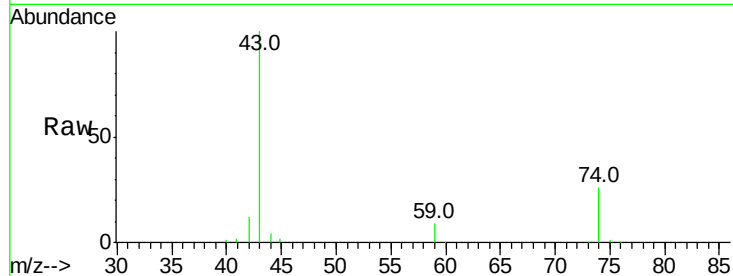




#15
Methyl Acetate
Concen: 88.750 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

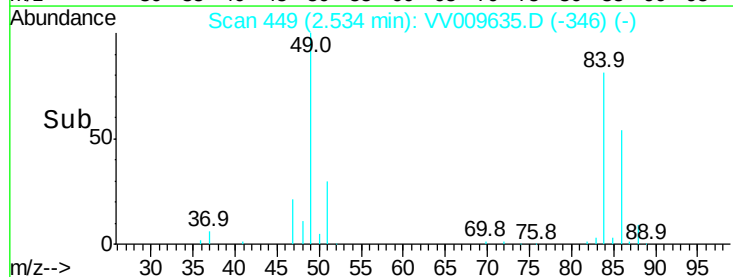
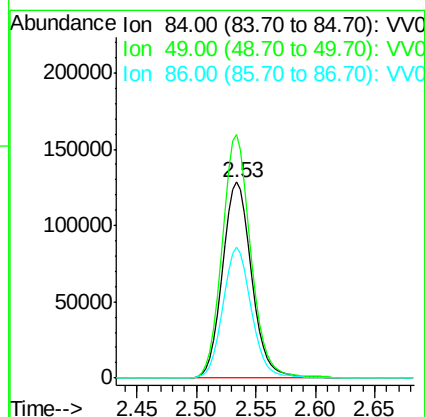
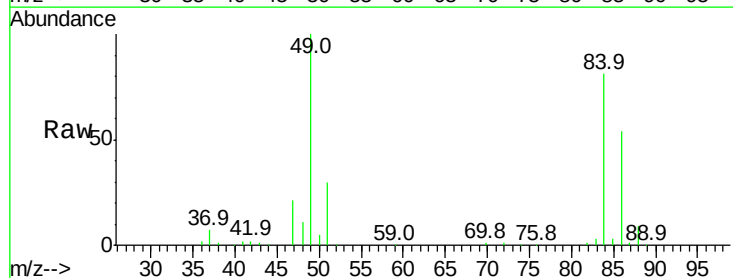
Instrument :
MSVOA_V
ClientSampleId :
VSTD10082

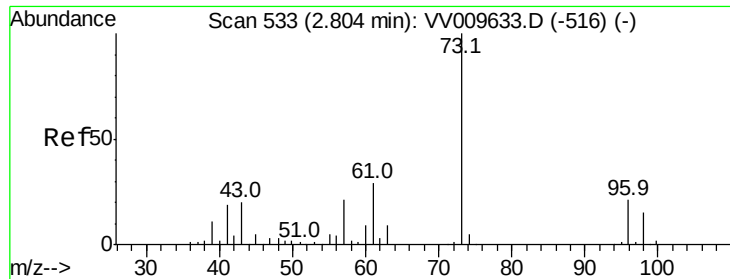
Tgt Ion: 43 Resp: 109253
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.6



#16
Methylene chloride
Concen: 91.628 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

Tgt Ion: 84 Resp: 219181
Ion Ratio Lower Upper
84 100
49 124.1 86.1 159.9
86 66.6 45.2 84.0

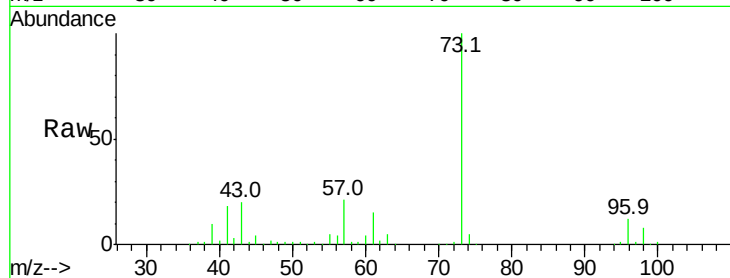




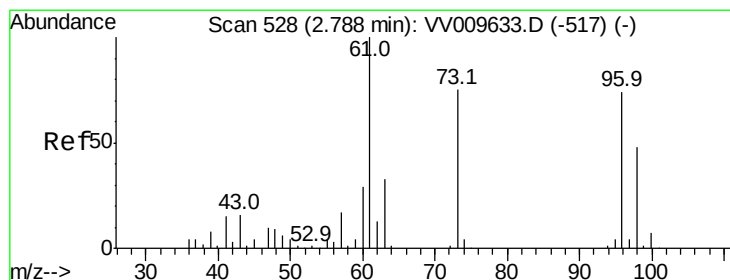
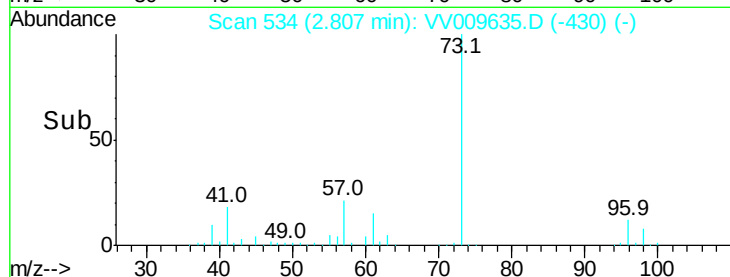
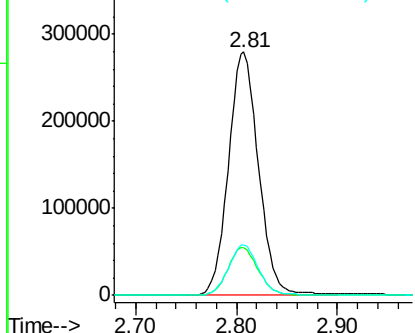
#17
Methyl tert-butyl Ether
Concen: 107.124 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD10082

Tgt Ion: 73 Resp: 581314
Ion Ratio Lower Upper
73 100
43 19.6 16.3 24.5
57 20.8 16.7 25.1

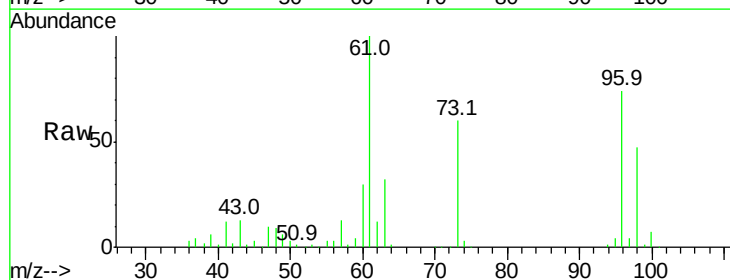


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

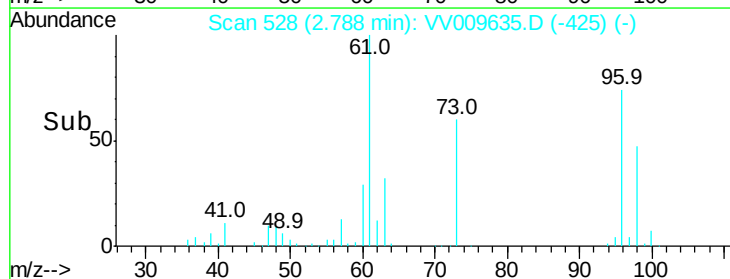
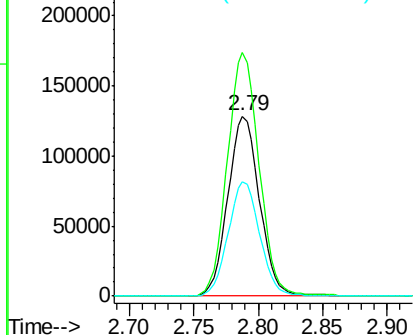


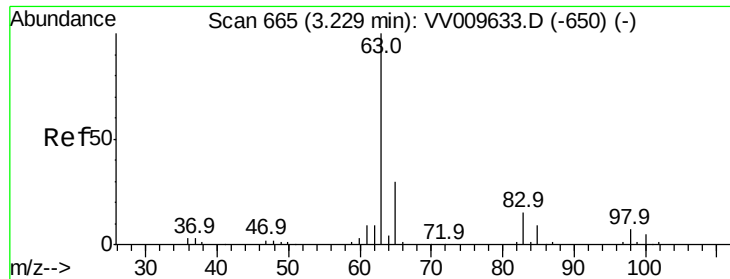
#18
trans-1,2-Dichloroethene
Concen: 100.623 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

Tgt Ion: 96 Resp: 219027
Ion Ratio Lower Upper
96 100
61 135.1 94.4 175.2
98 63.6 45.4 84.4



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

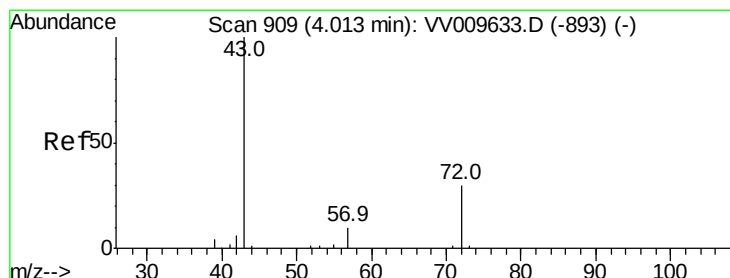
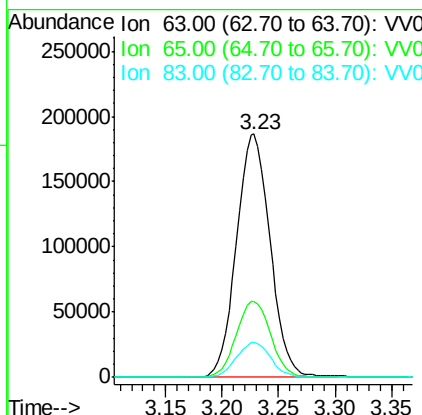
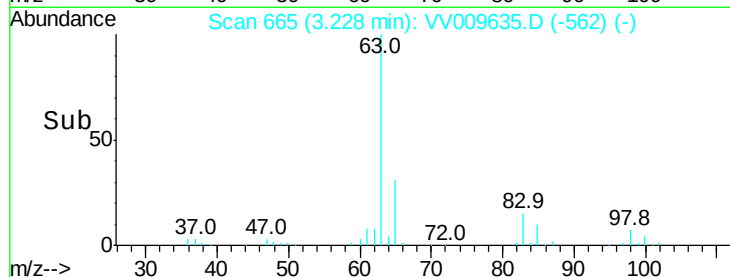
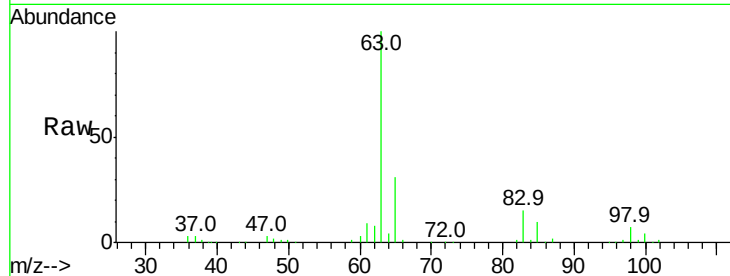




#19
 1,1-Dichloroethane
 Concen: 101.126 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

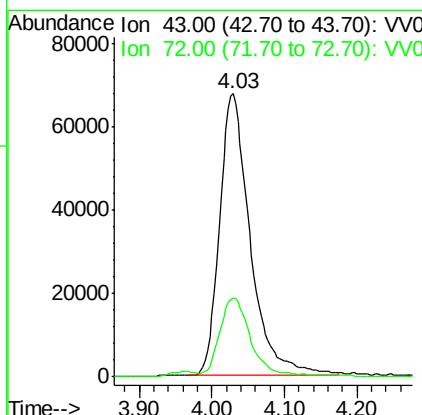
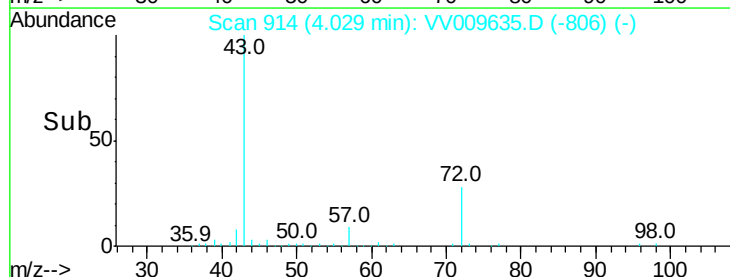
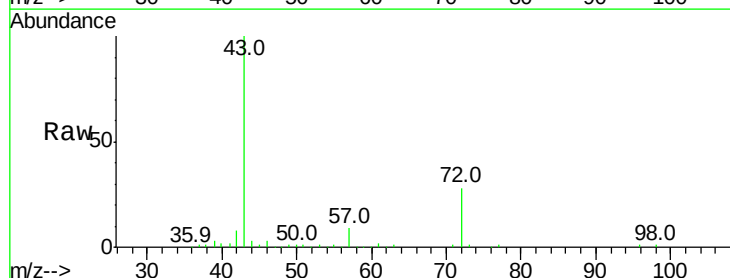
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

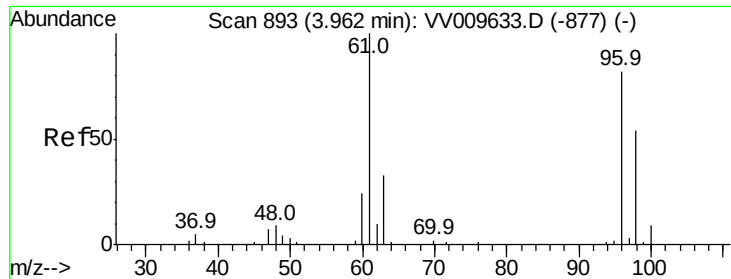
Tgt Ion:	63	Resp:	387857
Ion	Ratio	Lower	Upper
63	100		
65	31.4	20.9	38.9
83	14.5	10.4	19.4



#21
 2-Butanone
 Concen: 206.598 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion:	43	Resp:	198210
Ion	Ratio	Lower	Upper
43	100		
72	27.1	14.5	43.5



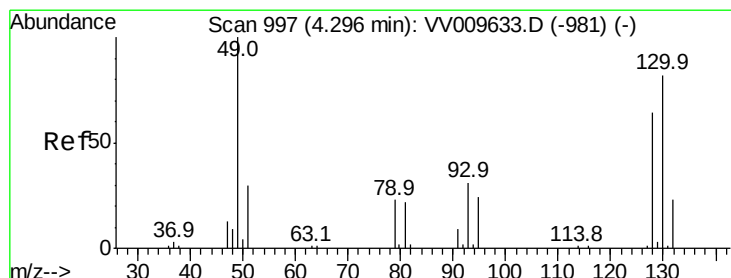
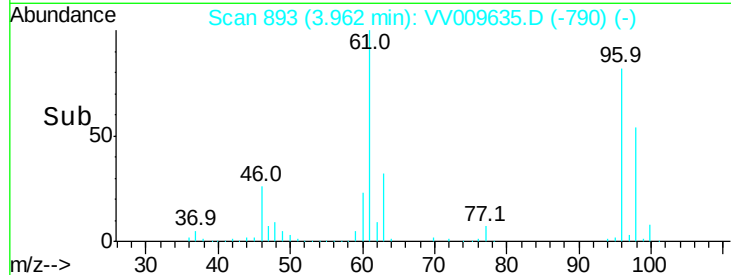
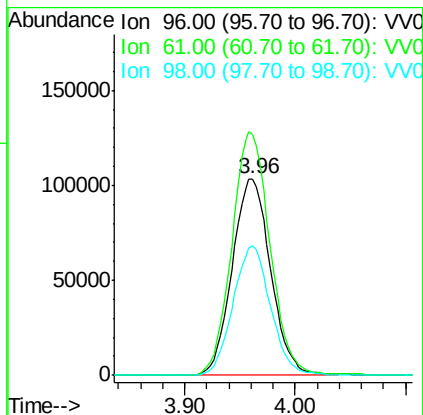
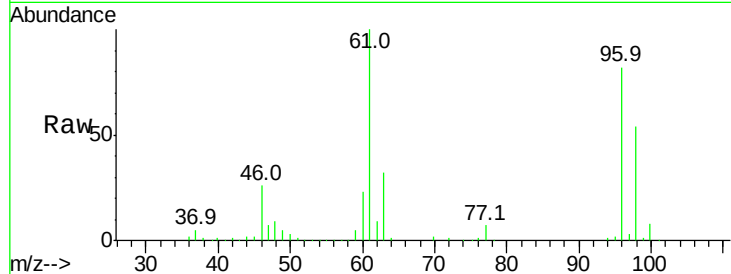


#22

cis-1,2-Dichloroethene
 Concen: 101.576 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

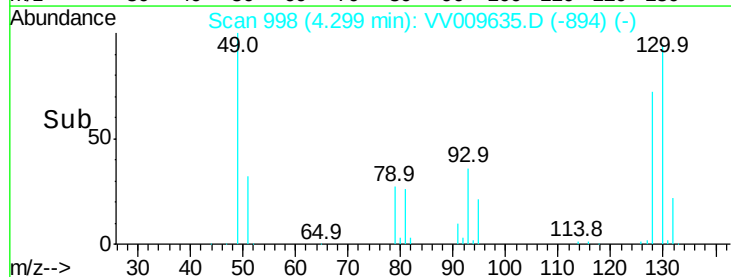
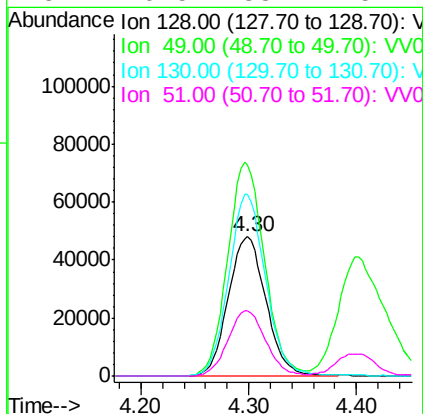
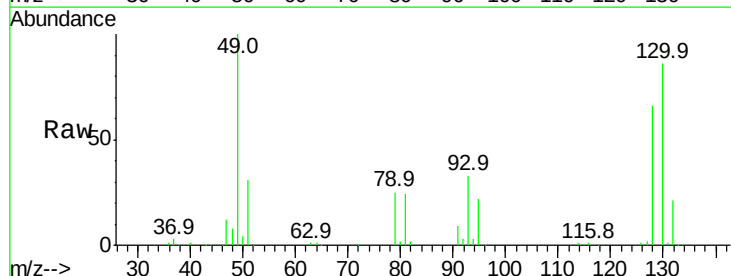
Tgt Ion: 96 Resp: 249606
 Ion Ratio Lower Upper
 96 100
 61 122.7 86.2 160.0
 98 65.8 46.5 86.3

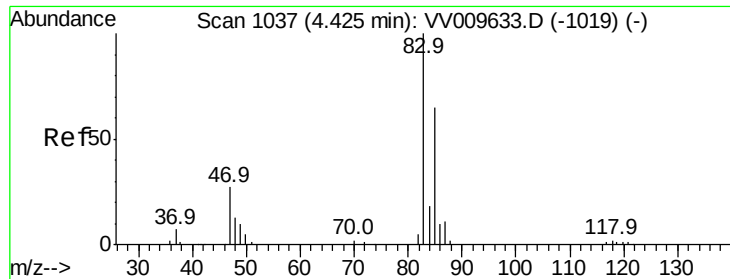


#23

Bromochloromethane
 Concen: 103.335 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion: 128 Resp: 117088
 Ion Ratio Lower Upper
 128 100
 49 151.5 110.0 204.2
 130 130.6 90.4 168.0
 51 46.5 38.1 57.1

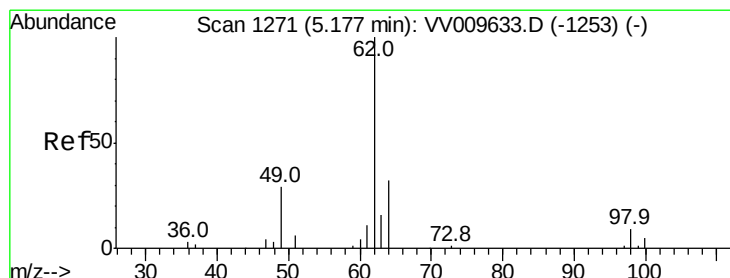
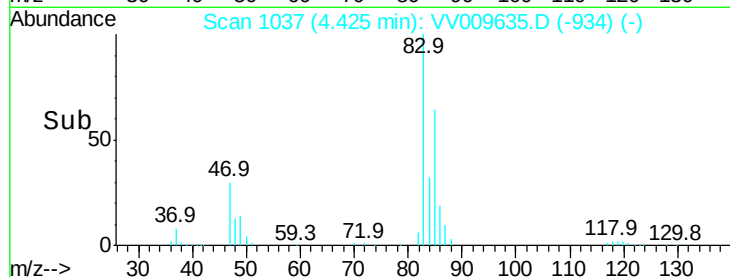
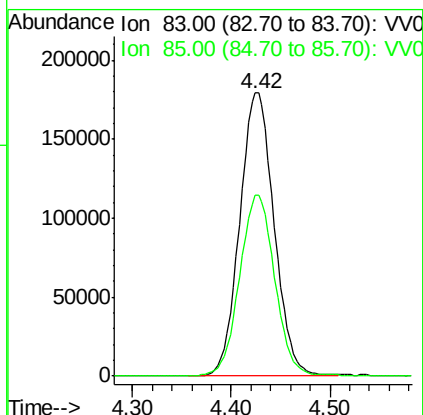
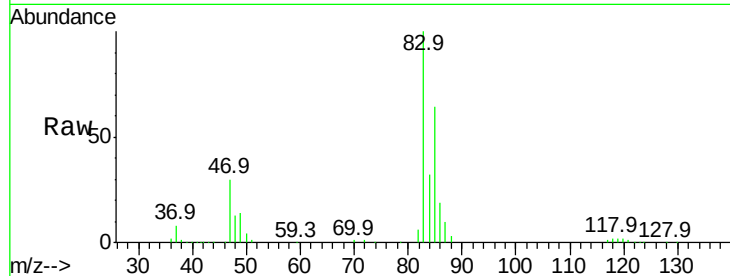




#25
Chloroform
Concen: 101.261 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

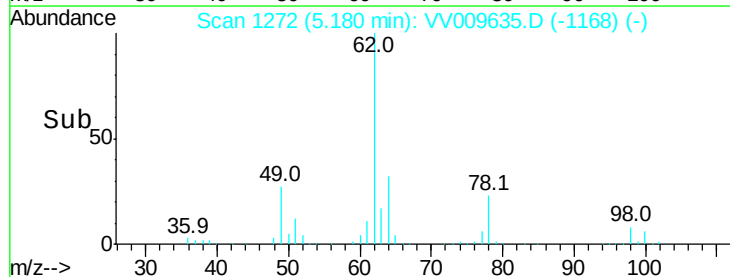
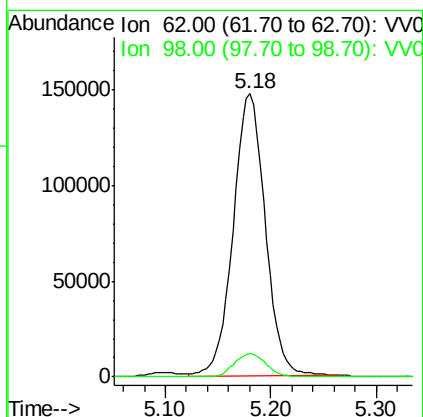
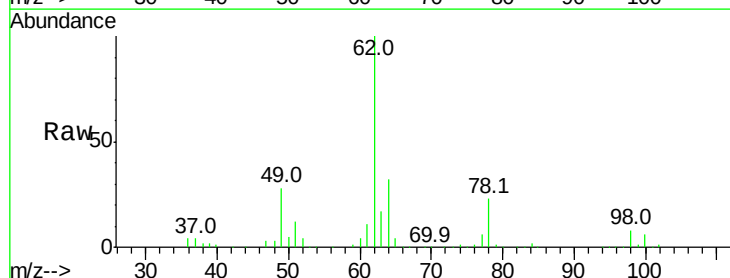
Instrument :
MSVOA_V
ClientSampleId :
VSTD10082

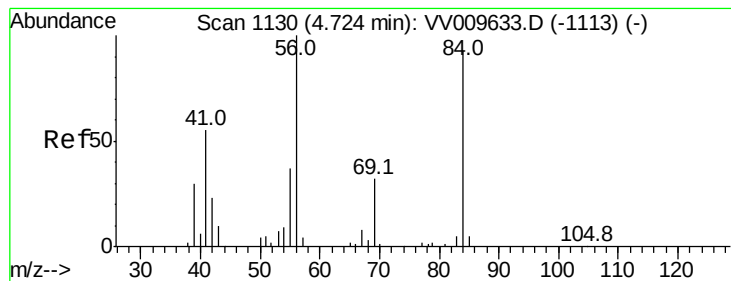
Tgt Ion: 83 Resp: 433422
Ion Ratio Lower Upper
83 100
85 65.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 104.653 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

Tgt Ion: 62 Resp: 311101
Ion Ratio Lower Upper
62 100
98 8.2 7.2 10.8





#30

Cyclohexane

Concen: 96.068 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD10082

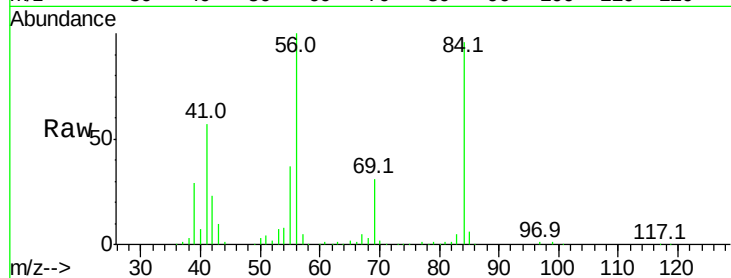
Tgt Ion: 56 Resp: 358025

Ion Ratio Lower Upper

56 100

69 31.4 25.4 38.0

84 93.4 72.6 109.0

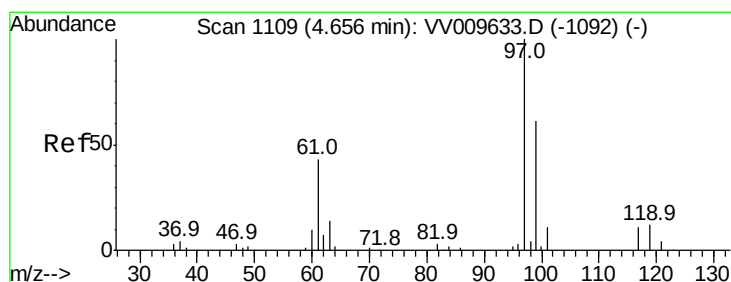
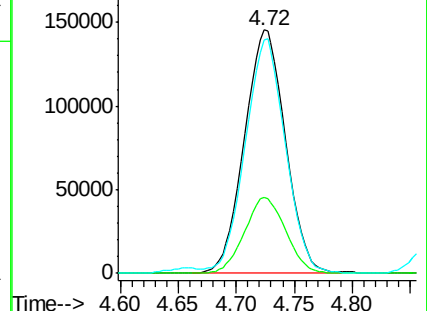
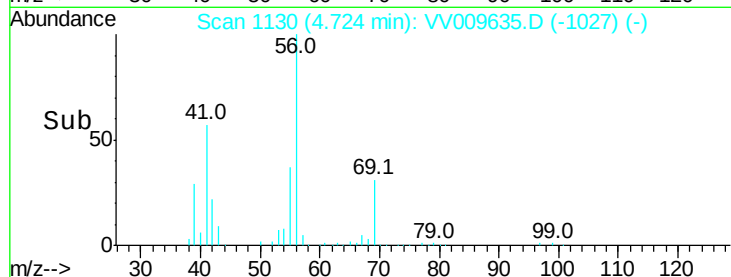


Abundance Ion 56.00 (55.70 to 56.70): VV009633.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VV009633.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VV009633.D (-1113) (-)

Time-->



#31

1,1,1-Trichloroethane

Concen: 97.374 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

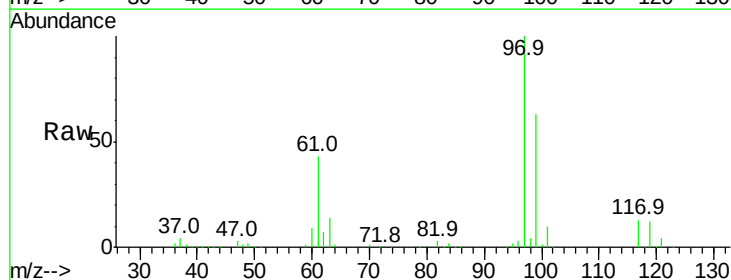
Tgt Ion: 97 Resp: 382250

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

61 43.6 33.7 50.5

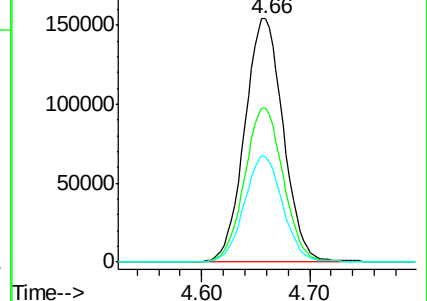
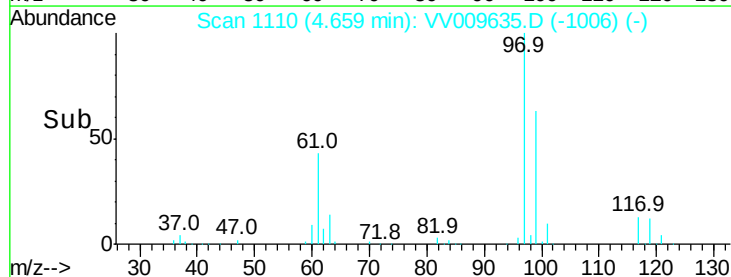


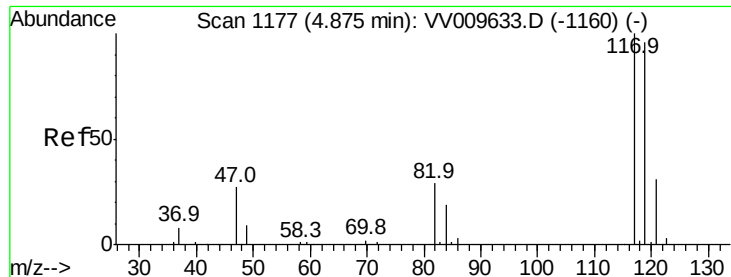
Abundance Ion 97.00 (96.70 to 97.70): VV009633.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009633.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV009633.D (-1092) (-)

Time-->





#32

Carbon tetrachloride

Concen: 103.990 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

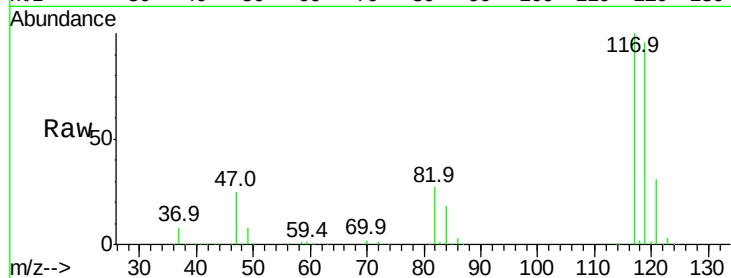
VSTD10082

Tgt Ion:117 Resp: 345123

Ion Ratio Lower Upper

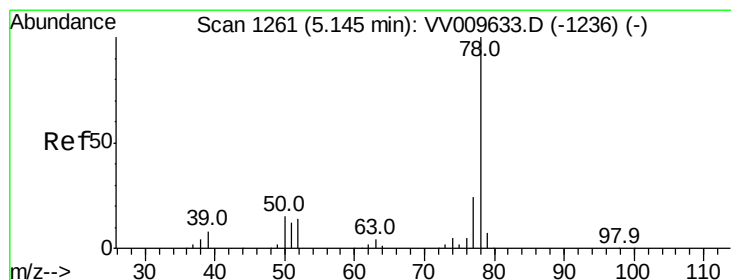
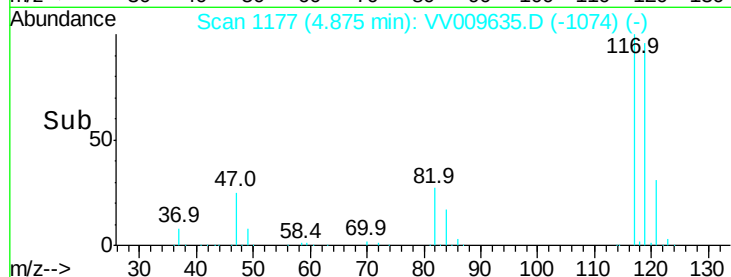
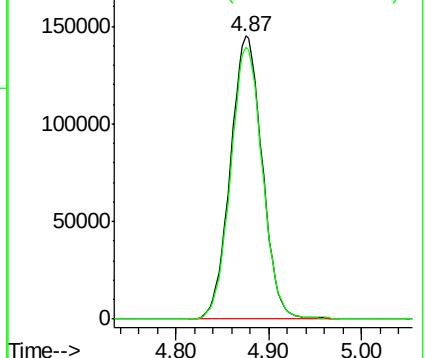
117 100

119 95.9 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 100.648 ug/L

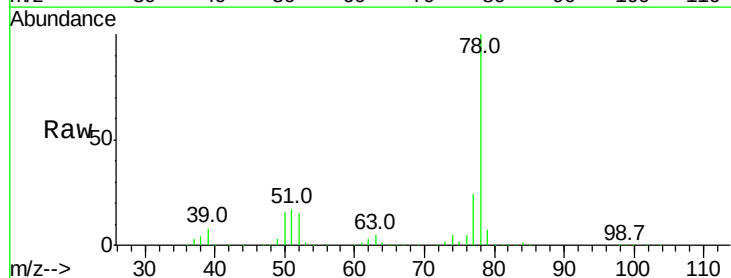
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

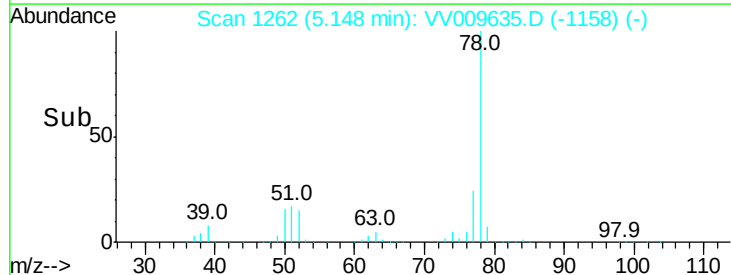
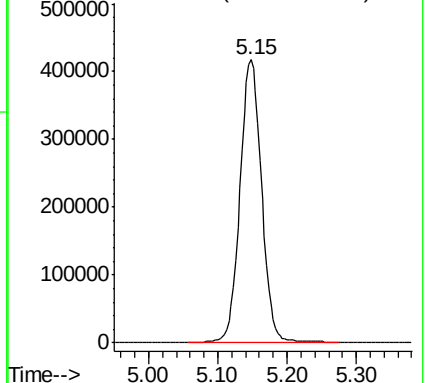
Lab File: VV009635.D

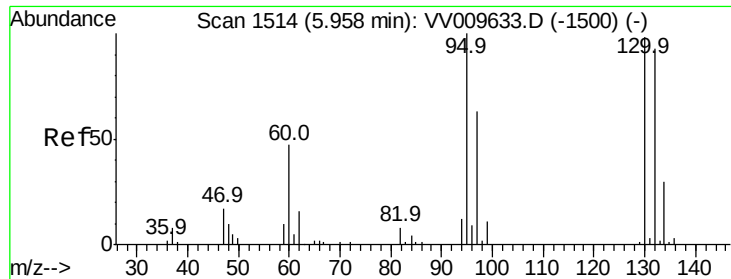
Acq: 13 Mar 2019 12:19

Tgt Ion: 78 Resp: 913246



Abundance Ion 78.00 (77.70 to 78.70): VV0

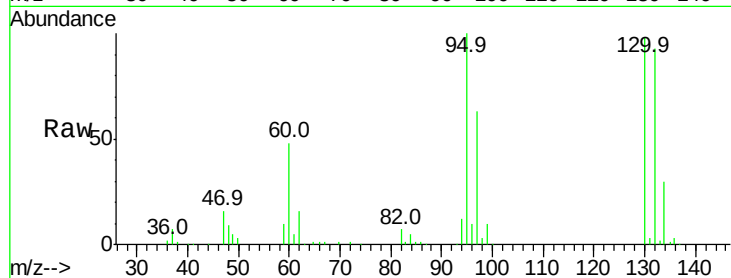




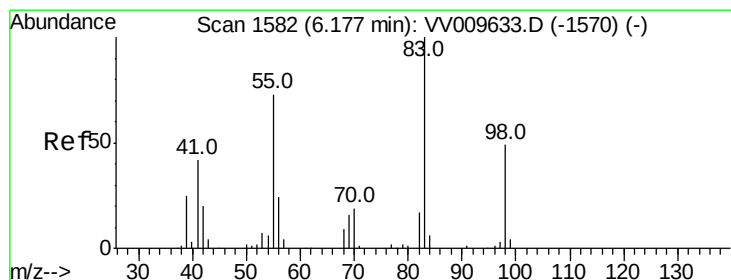
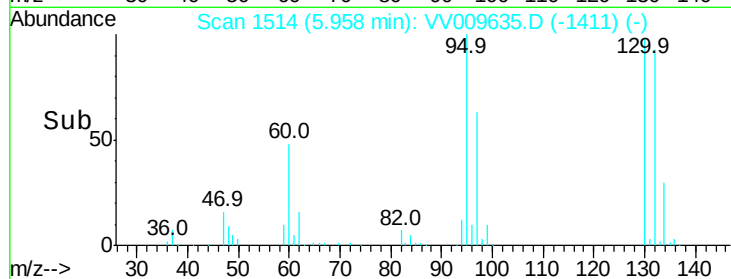
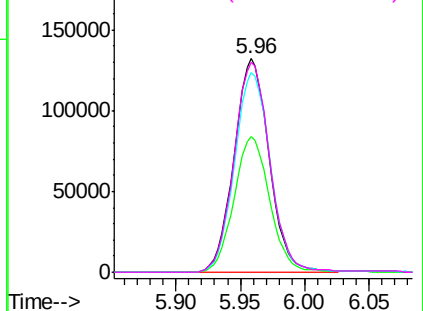
#35
 Trichloroethene
 Concen: 95.906 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

Tgt Ion:	95	Resp:	250090
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.9	83.5
132	95.6	66.4	123.2
130	100.4	70.2	130.4

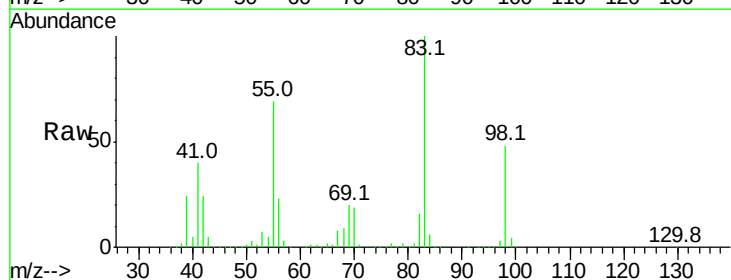


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

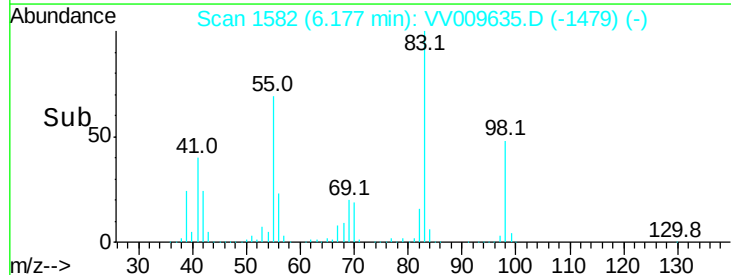
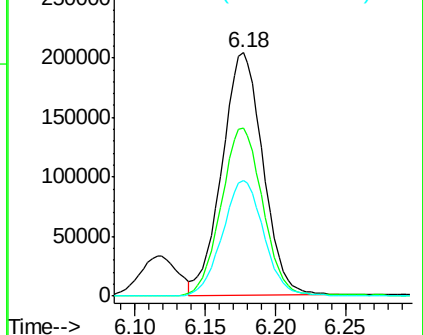


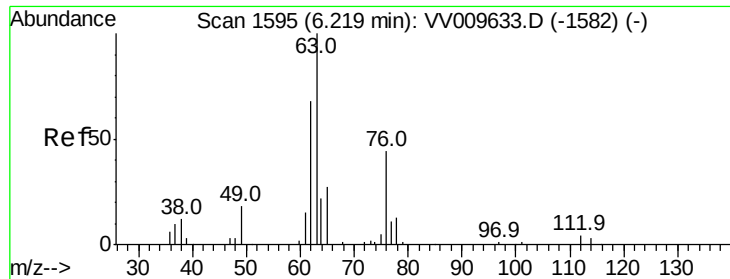
#36
 Methylcyclohexane
 Concen: 96.590 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion:	83	Resp:	410310
Ion	Ratio	Lower	Upper
83	100		
55	70.6	57.4	86.0
98	47.9	37.1	55.7



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

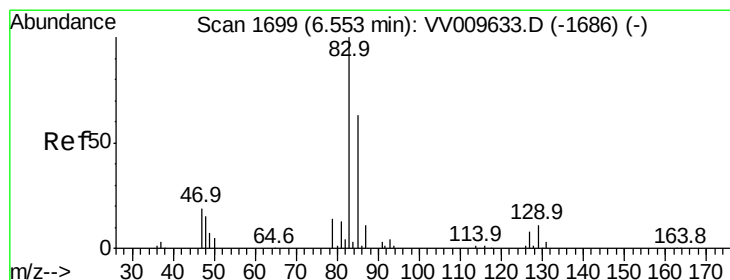
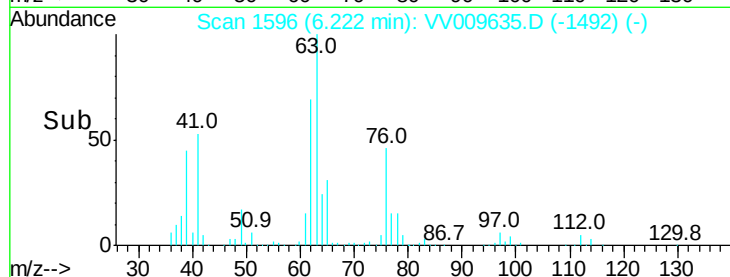
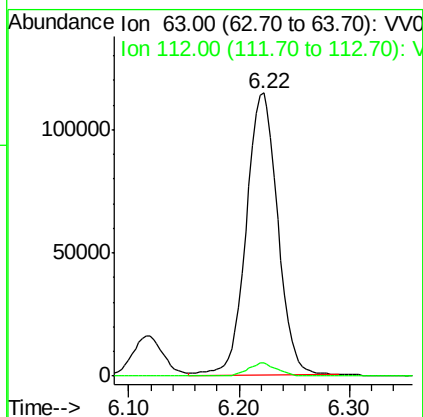
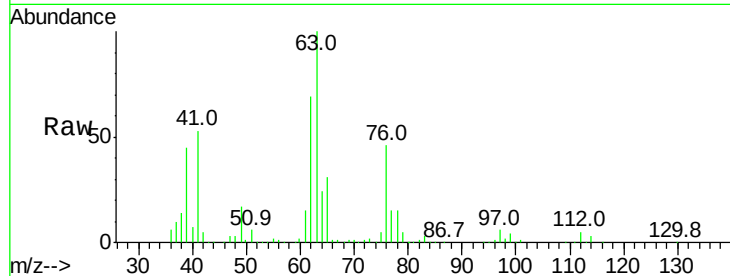




#40
 1,2-Dichloropropane
 Concen: 96.291 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

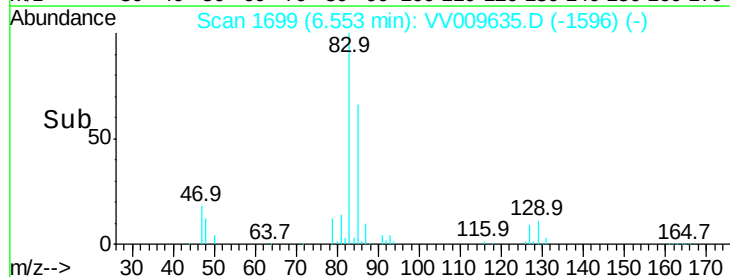
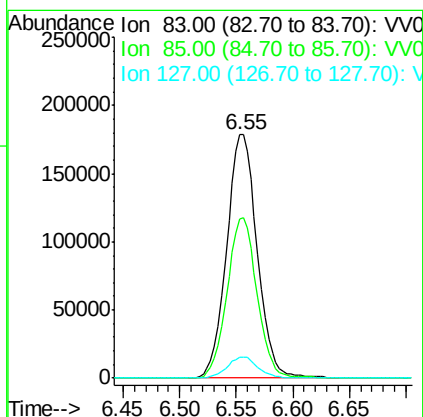
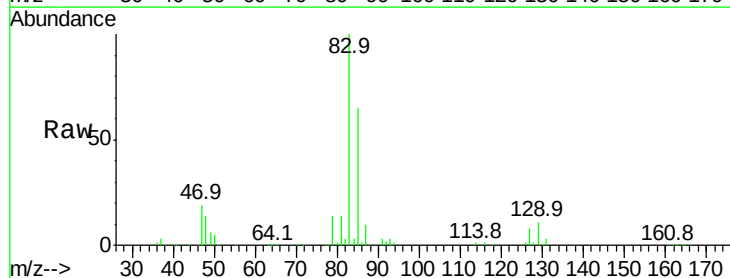
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

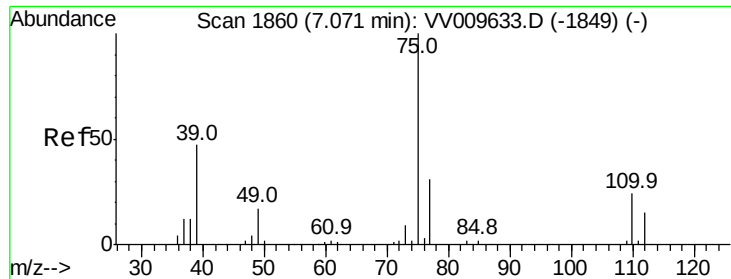
Tgt Ion: 63 Resp: 225279
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#41
 Bromodichloromethane
 Concen: 105.772 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion: 83 Resp: 334016
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.4 82.4
 127 8.5 6.7 10.1



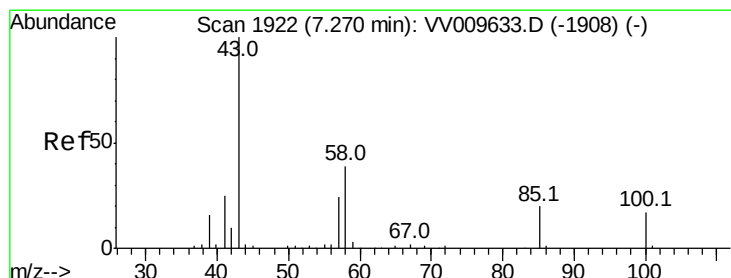
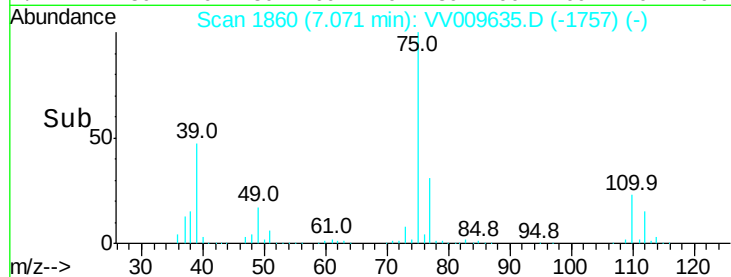
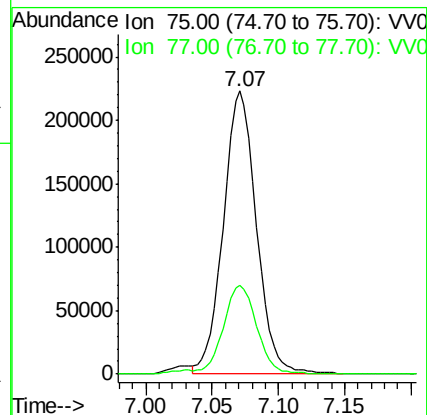
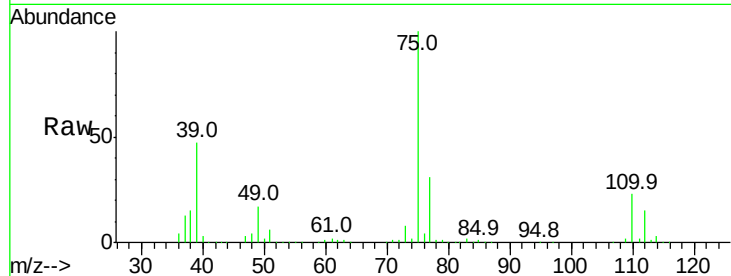


#42

cis-1,3-Dichloropropene
 Concen: 105.806 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

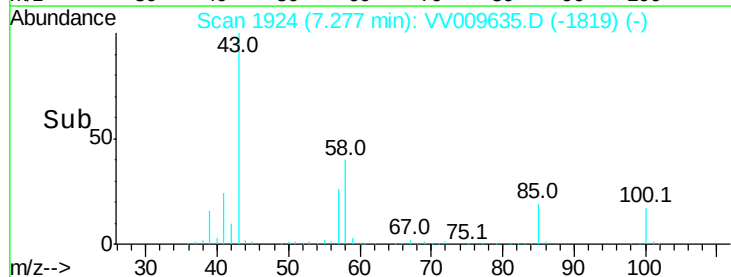
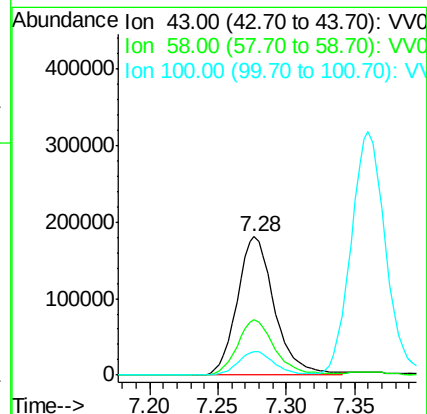
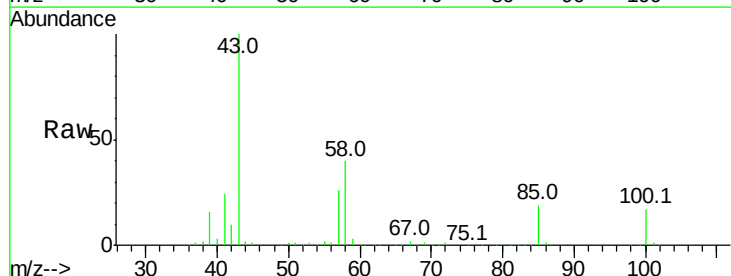
Tgt Ion: 75 Resp: 384302
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 40.8

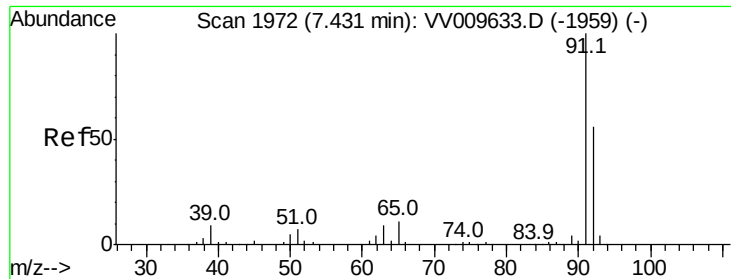


#43

4-Methyl-2-pentanone
 Concen: 186.387 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion: 43 Resp: 343748
 Ion Ratio Lower Upper
 43 100
 58 40.0 30.9 46.3
 100 16.4 11.8 17.6





#44

Toluene

Concen: 102.571 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

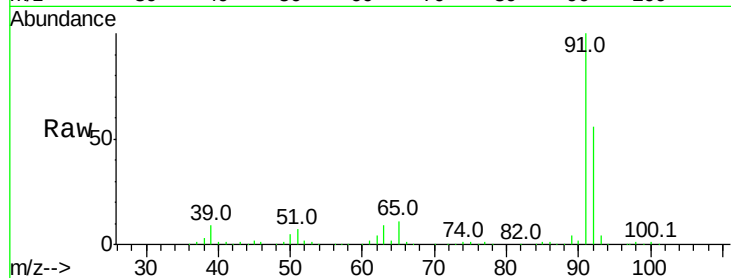
VSTD10082

Tgt Ion: 91 Resp: 1052024

Ion Ratio Lower Upper

91 100

92 56.2 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV009635.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009635.D (-1869) (-)

7.43

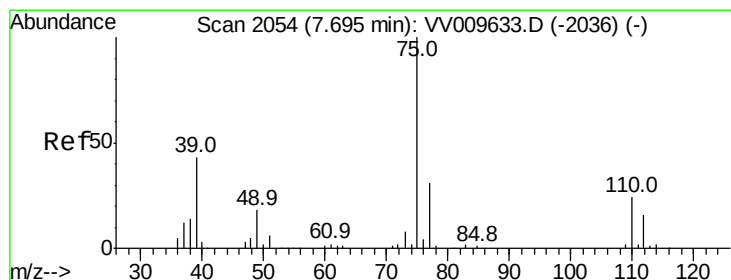
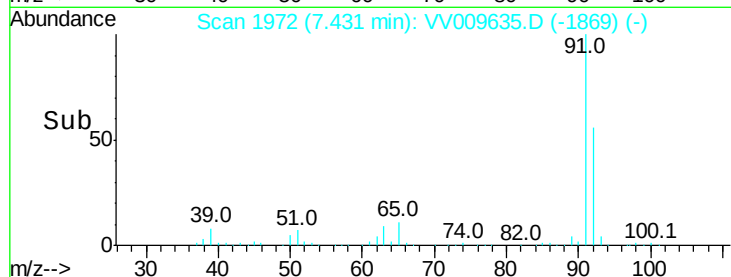
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 107.376 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009635.D

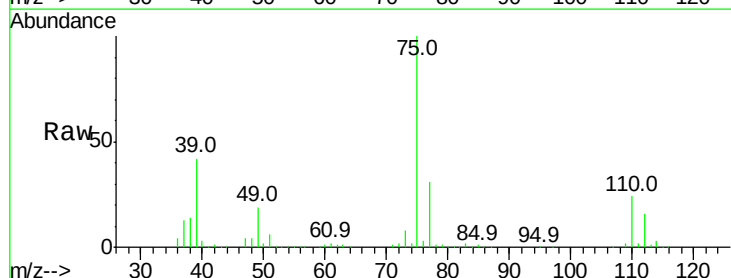
Acq: 13 Mar 2019 12:19

Tgt Ion: 75 Resp: 340611

Ion Ratio Lower Upper

75 100

77 31.1 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV009635.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009635.D (-1951) (-)

7.69

200000

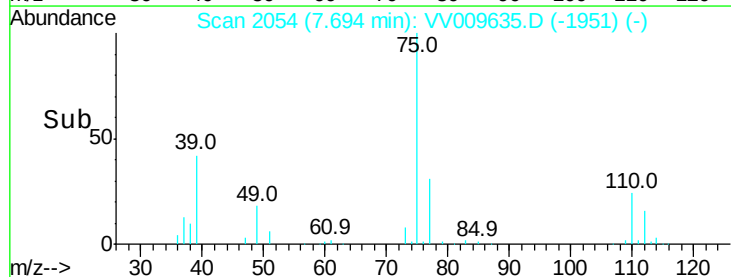
150000

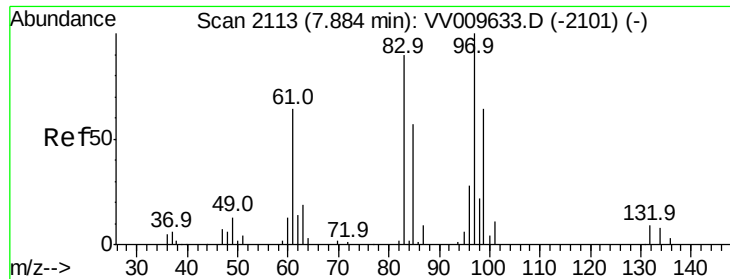
100000

50000

0

Time-->

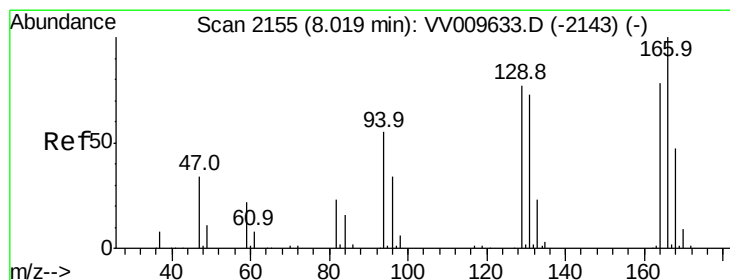
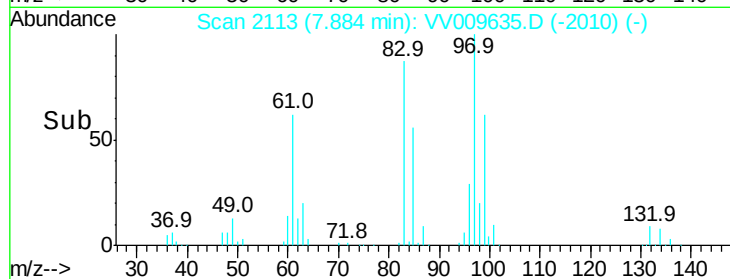
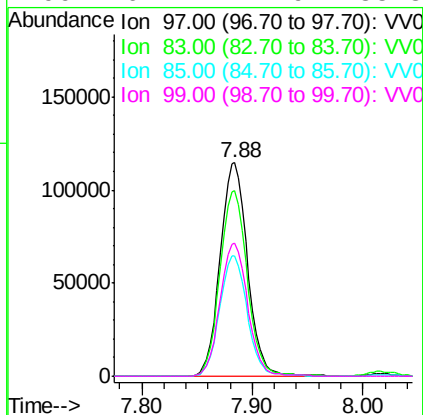
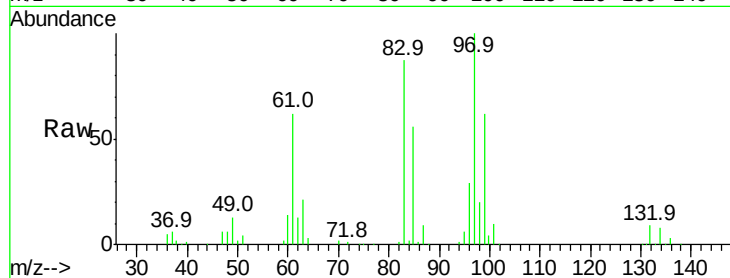




#46
 1,1,2-Trichloroethane
 Concen: 101.732 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

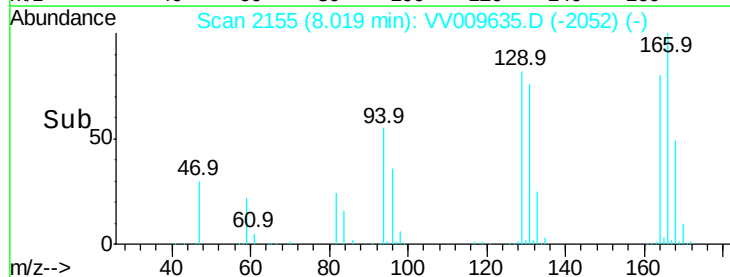
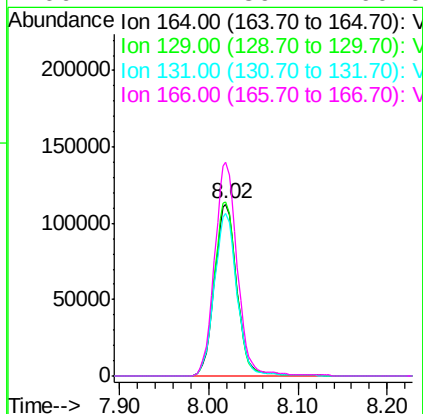
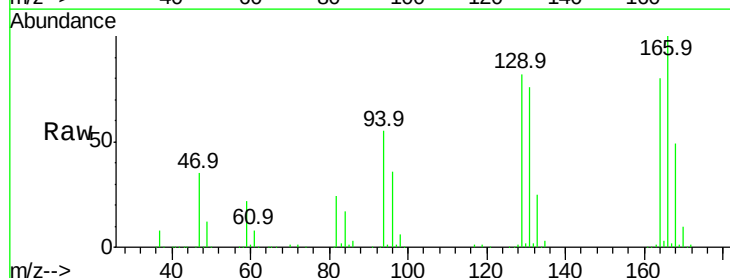
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

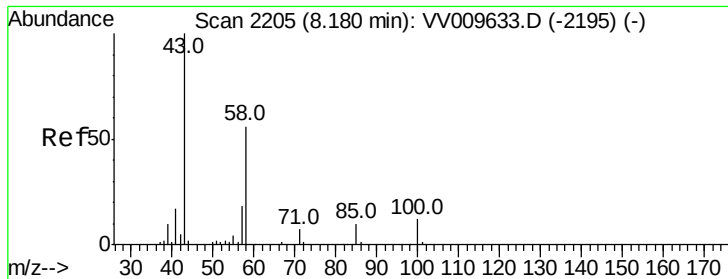
Tgt Ion:	97	Resp:	197737
Ion	Ratio	Lower	Upper
97	100		
83	86.9	62.9	116.7
85	56.4	40.0	74.2
99	62.2	44.9	83.3



#47
 Tetrachloroethene
 Concen: 99.277 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion:	164	Resp:	196355
Ion	Ratio	Lower	Upper
164	100		
129	101.7	69.0	128.1
131	94.8	65.7	122.1
166	124.4	89.4	166.0

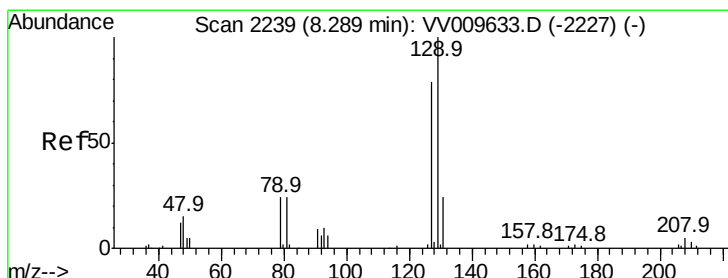
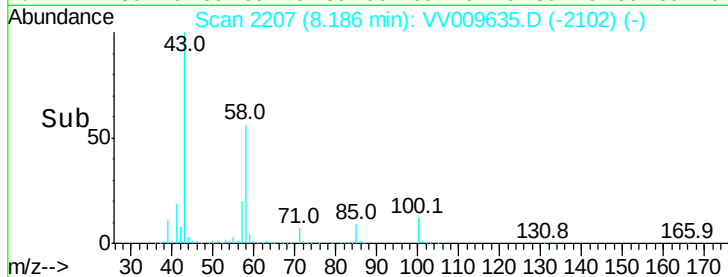
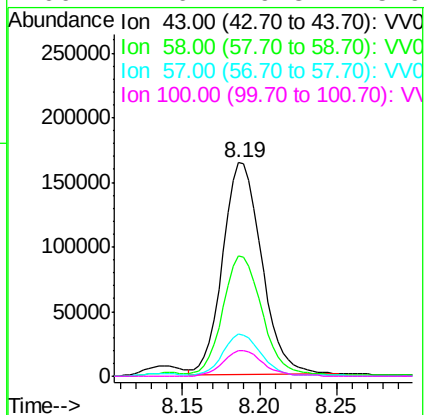
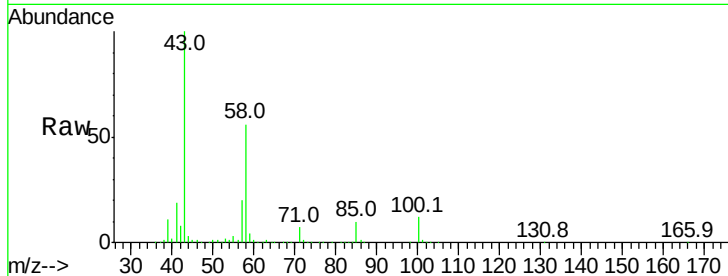




#49
2-Hexanone
Concen: 205.620 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

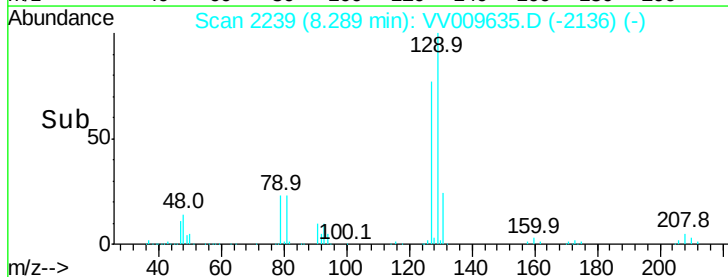
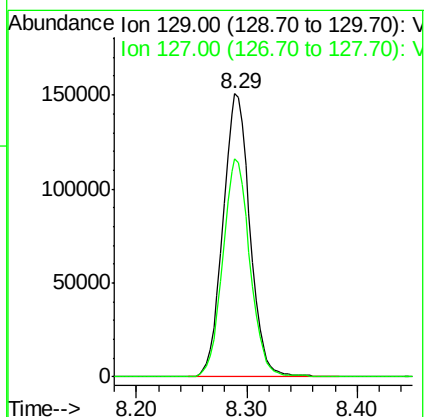
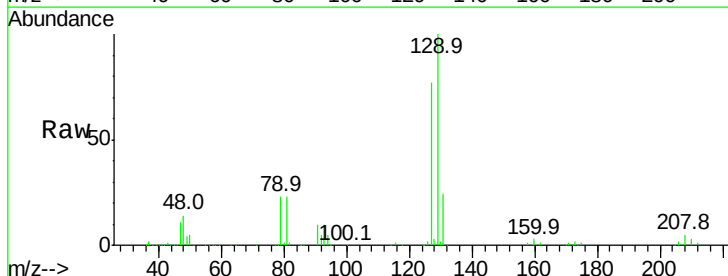
Instrument :
MSVOA_V
ClientSampleId :
VSTD10082

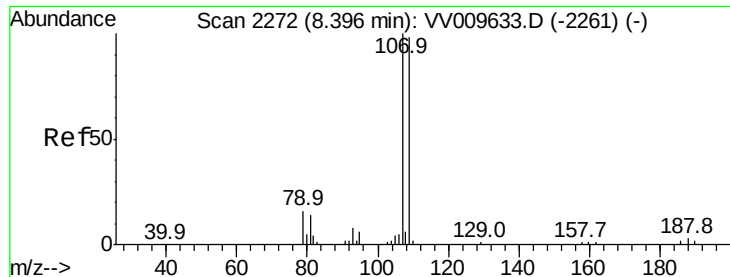
Tgt Ion: 43 Resp: 286756
Ion Ratio Lower Upper
43 100
58 56.2 44.9 67.3
57 19.7 14.5 21.7
100 12.6 9.3 13.9



#50
Dibromochloromethane
Concen: 108.476 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

Tgt Ion: 129 Resp: 255266
Ion Ratio Lower Upper
129 100
127 77.3 55.4 102.8





#51

1,2-Dibromoethane

Concen: 102.869 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD10082

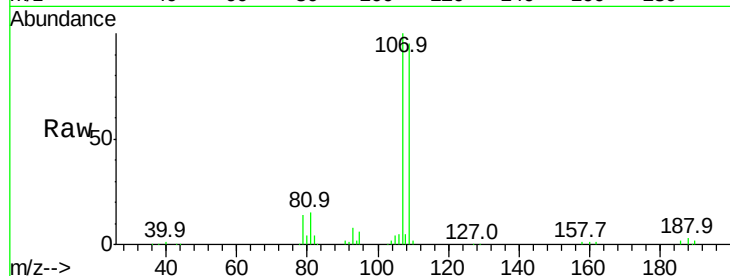
Tgt Ion:107 Resp: 206587

Ion Ratio Lower Upper

107 100

109 95.1 68.4 127.0

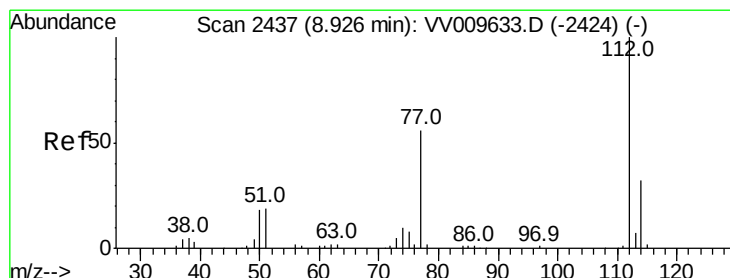
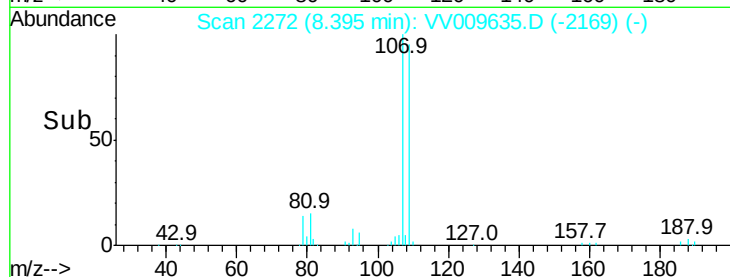
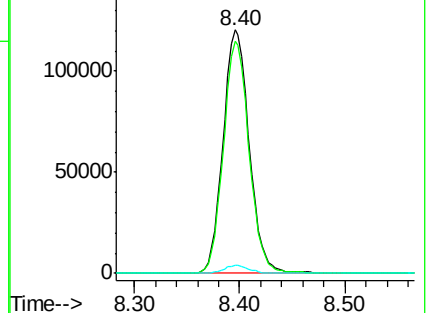
188 3.2 2.6 3.8



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: 98.859 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

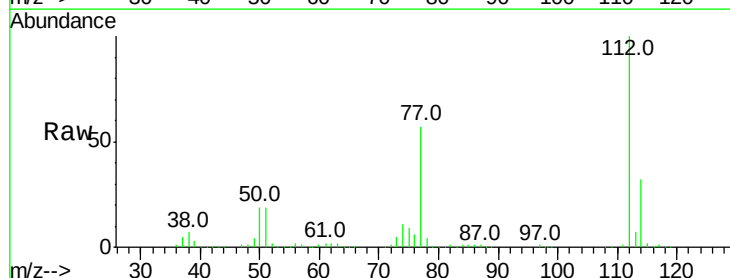
Tgt Ion:112 Resp: 672080

Ion Ratio Lower Upper

112 100

77 57.0 45.6 68.4

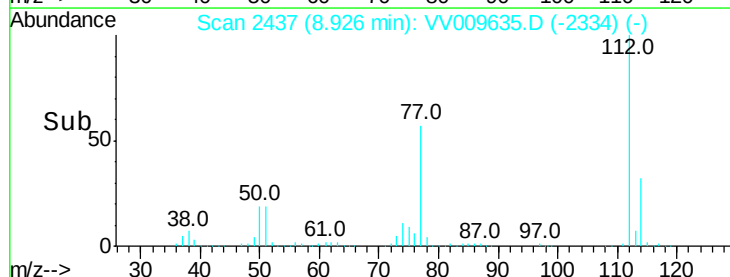
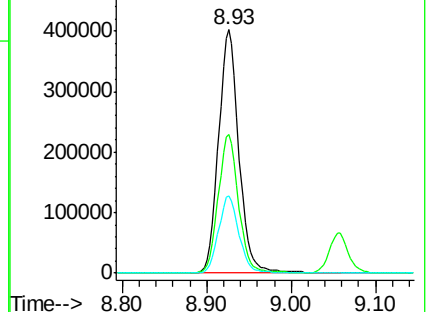
114 31.9 22.3 41.5

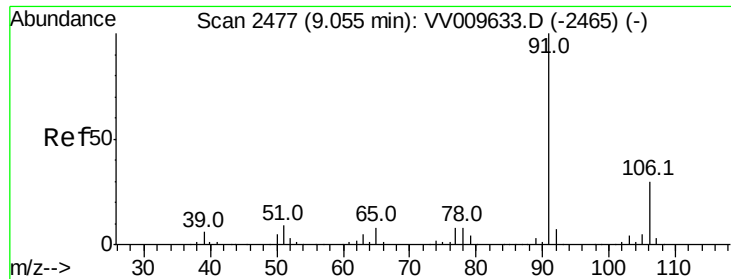


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

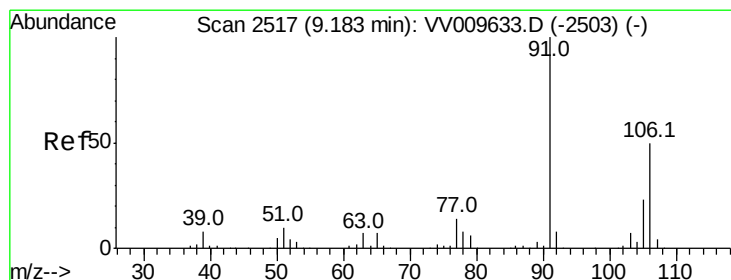
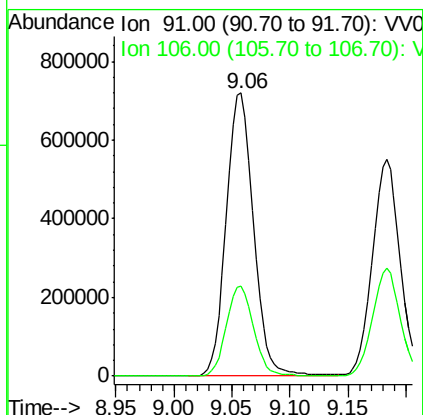
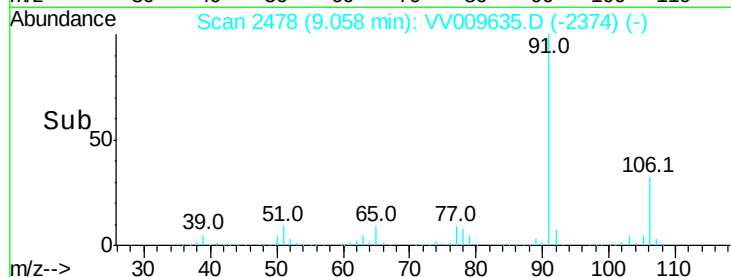
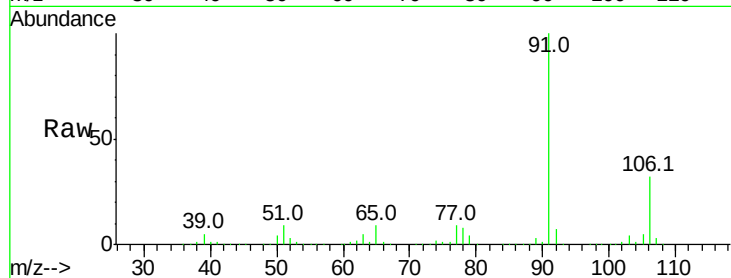




#53
Ethylbenzene
Concen: 99.894 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

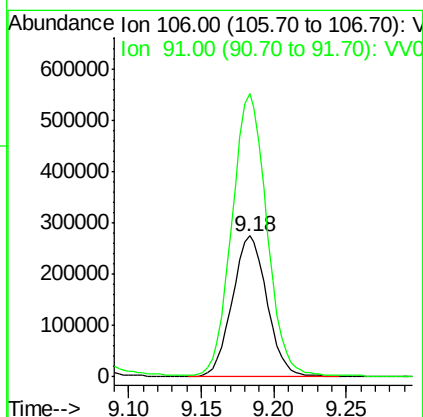
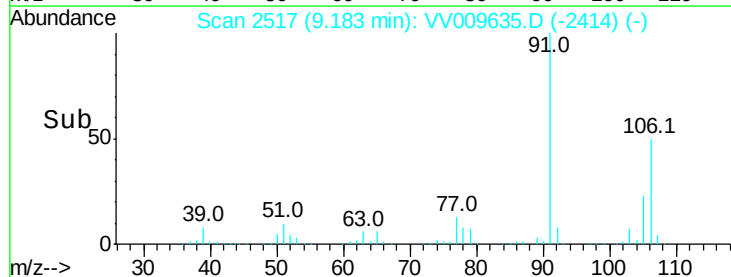
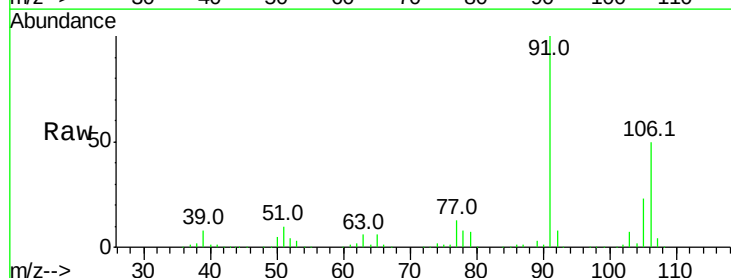
Instrument :
MSVOA_V
ClientSampleId :
VSTD10082

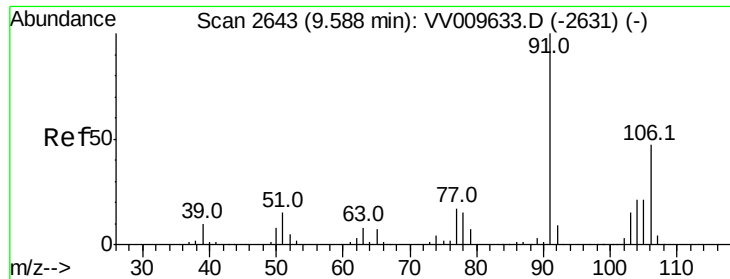
Tgt Ion: 91 Resp: 1172435
Ion Ratio Lower Upper
91 100
106 31.8 21.1 39.1



#54
m,p-Xylene
Concen: 102.362 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

Tgt Ion: 106 Resp: 454707
Ion Ratio Lower Upper
106 100
91 200.7 141.4 262.6

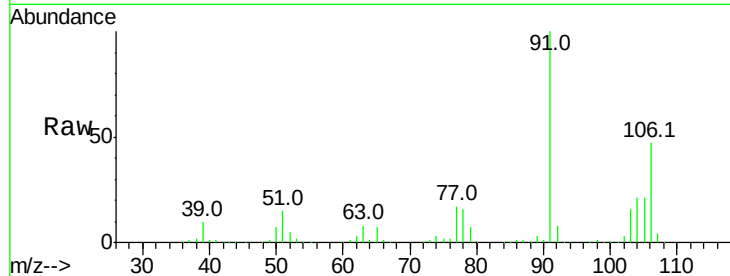




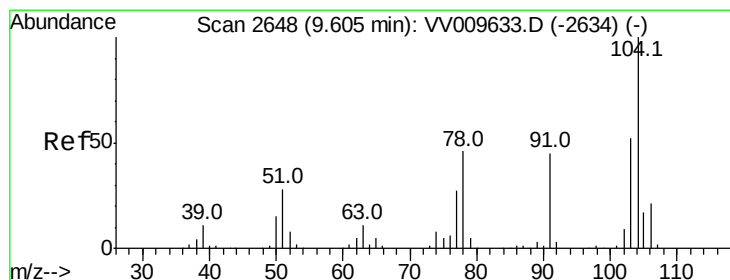
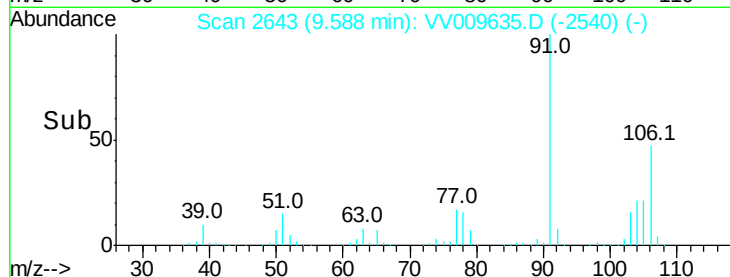
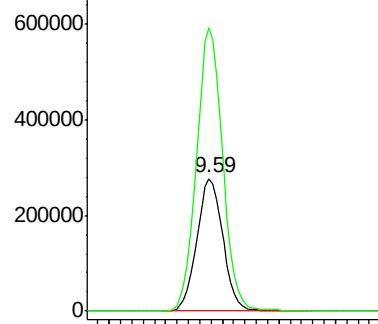
#55
o-xylene
Concen: 104.036 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD10082

Tgt Ion:106 Resp: 445634
Ion Ratio Lower Upper
106 100
91 213.9 149.7 278.1

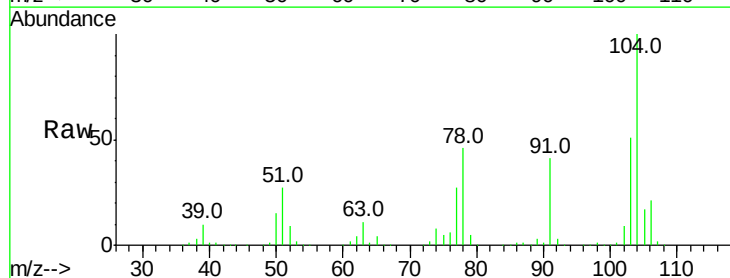


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

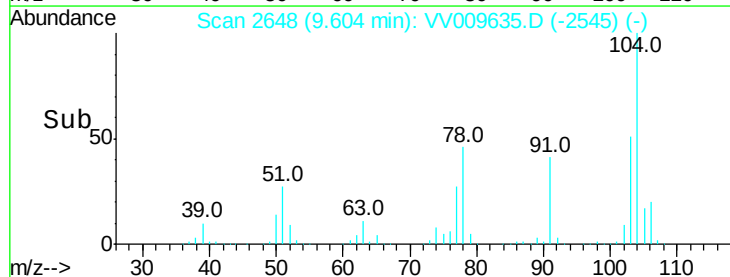
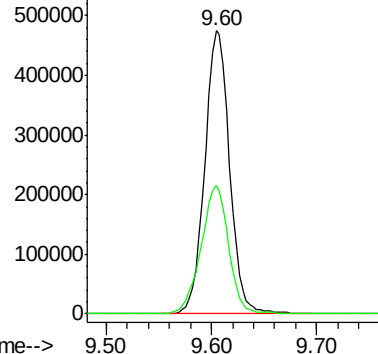


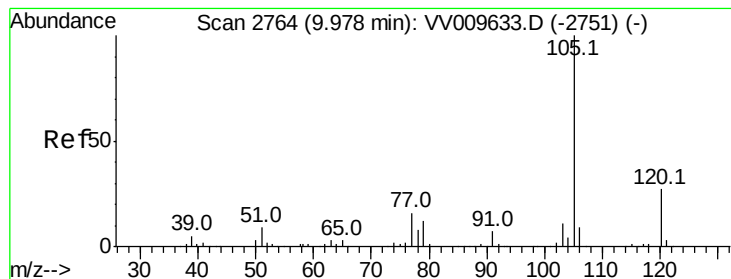
#56
Styrene
Concen: 109.441 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009635.D
Acq: 13 Mar 2019 12:19

Tgt Ion:104 Resp: 771231
Ion Ratio Lower Upper
104 100
78 45.6 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 99.917 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD10082

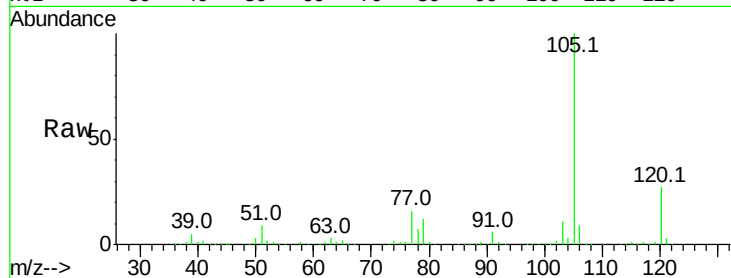
Tgt Ion:105 Resp: 1180497

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

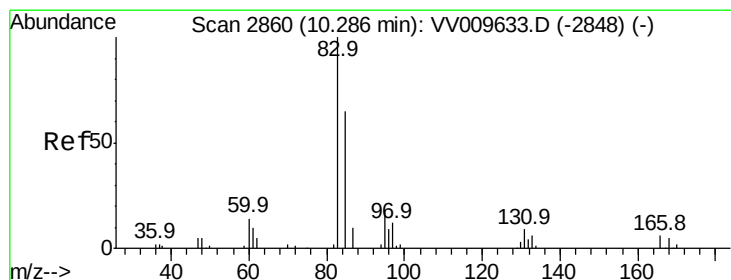
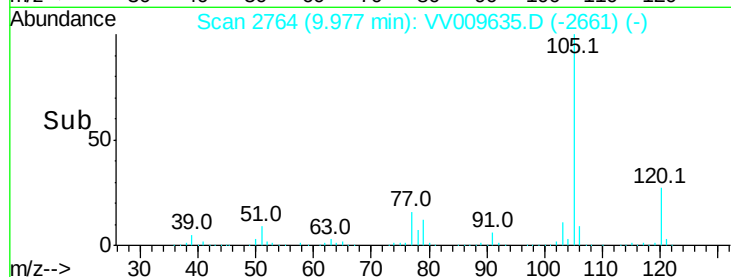
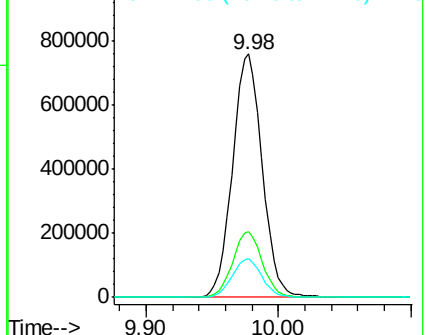
77 16.0 12.9 19.3



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: 98.229 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

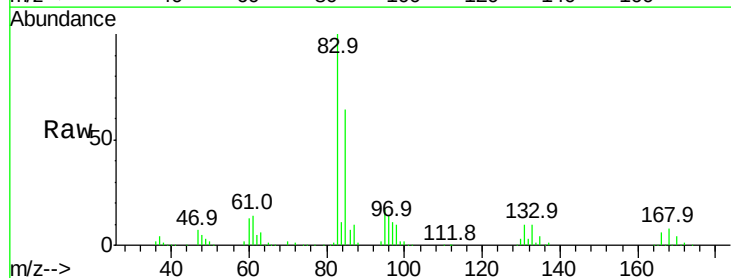
Tgt Ion: 83 Resp: 269597

Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.7

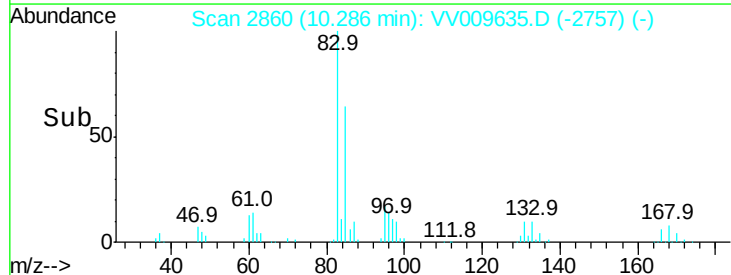
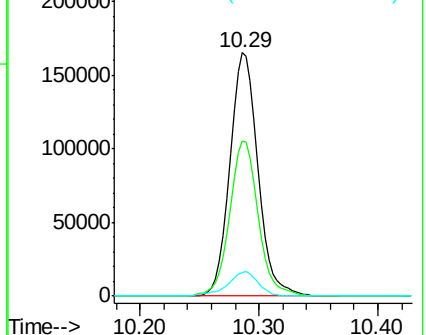
131 9.9 8.0 12.0

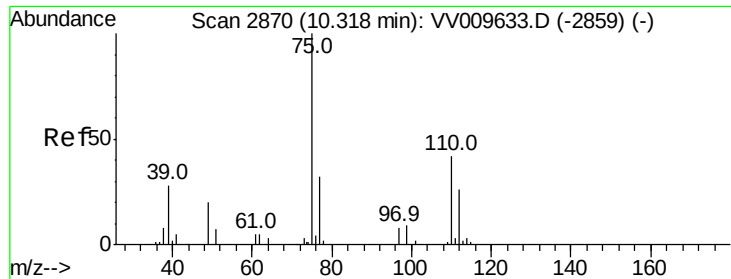


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 96.419 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

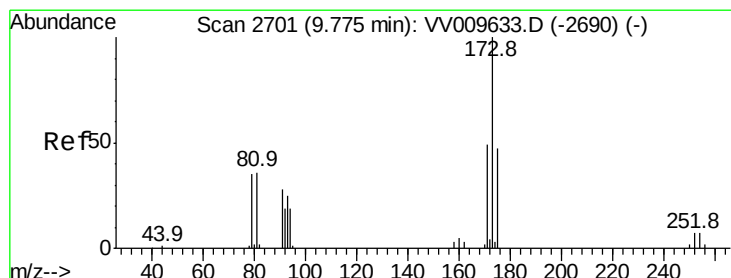
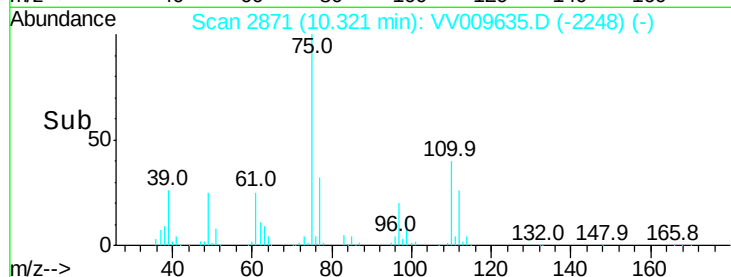
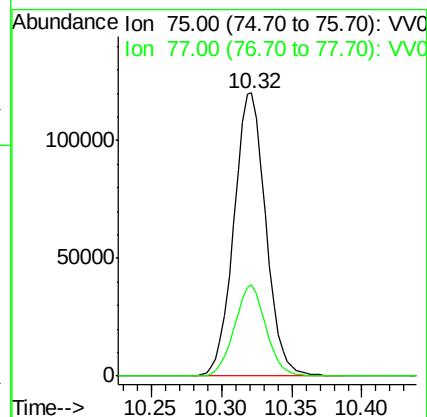
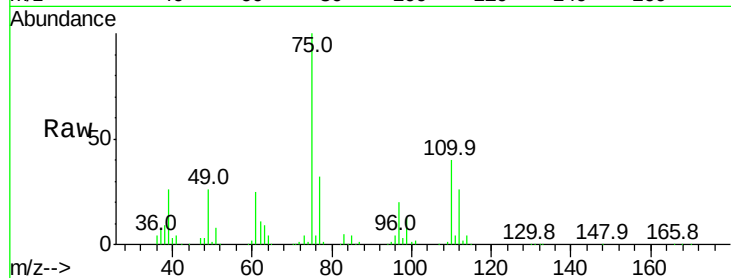
VSTD10082

Tgt Ion: 75 Resp: 190762

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



#62

Bromoform

Concen: 105.936 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

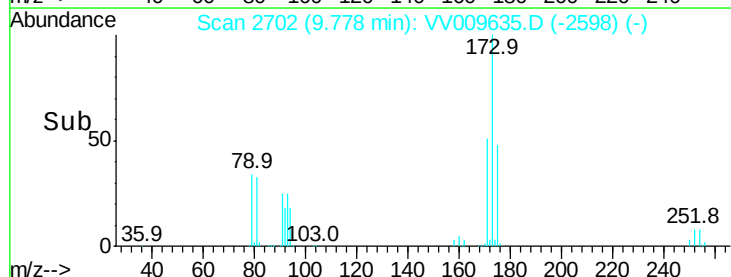
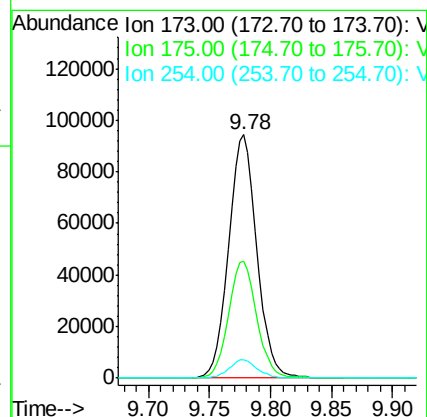
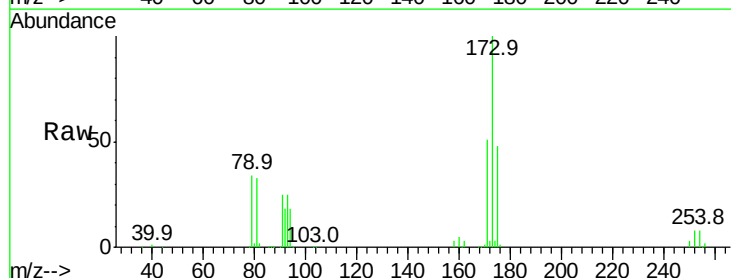
Tgt Ion: 173 Resp: 153181

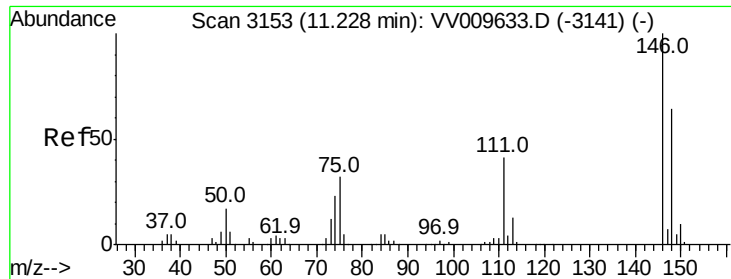
Ion Ratio Lower Upper

173 100

175 48.1 37.8 56.6

254 7.5 6.1 9.1

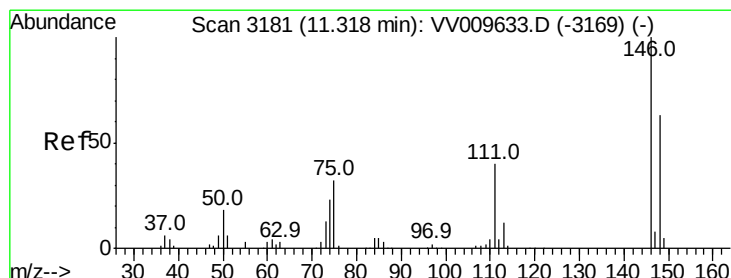
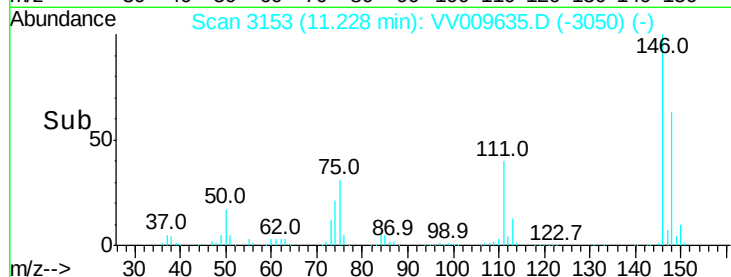
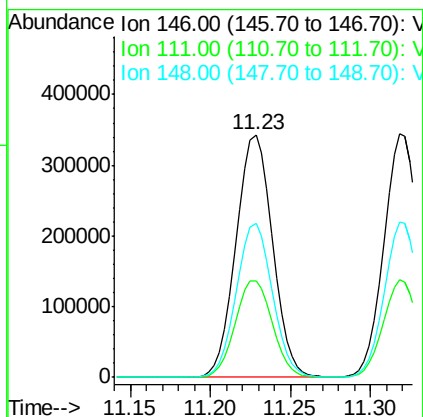
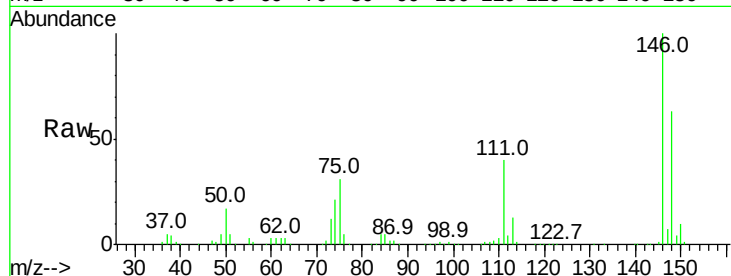




#63
 1,3-Dichlorobenzene
 Concen: 95.754 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

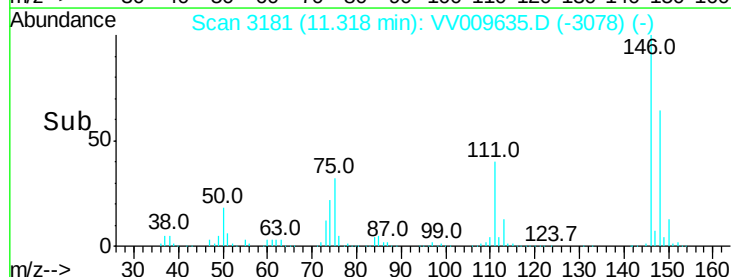
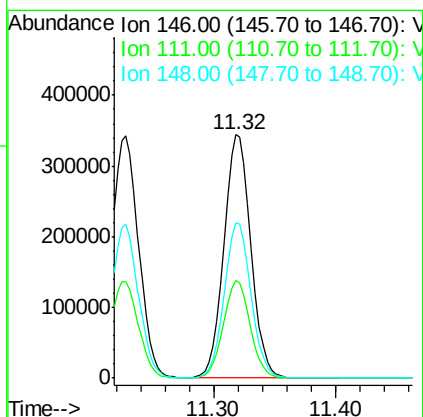
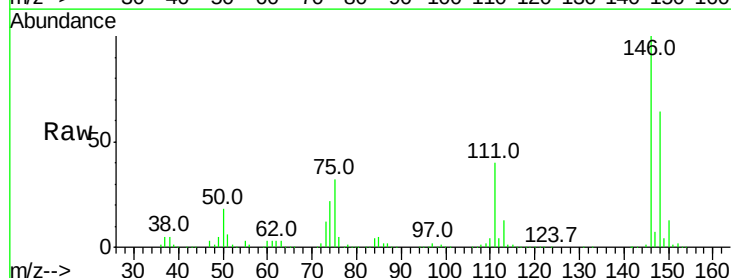
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

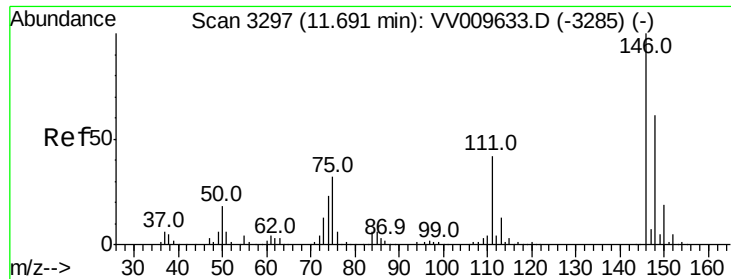
Tgt Ion:146 Resp: 532957
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.8 53.6
 148 63.4 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 93.894 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion:146 Resp: 534032
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.2 52.4
 148 63.8 44.2 82.0

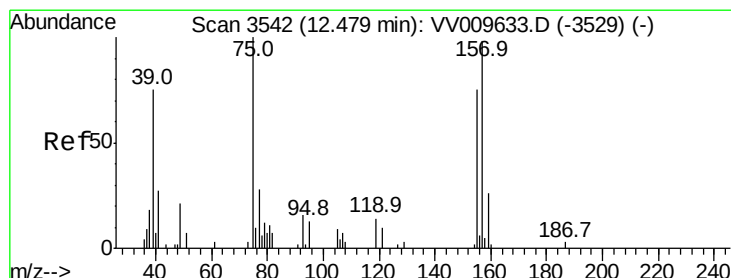
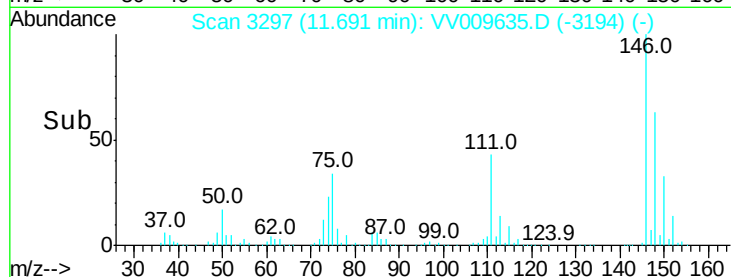
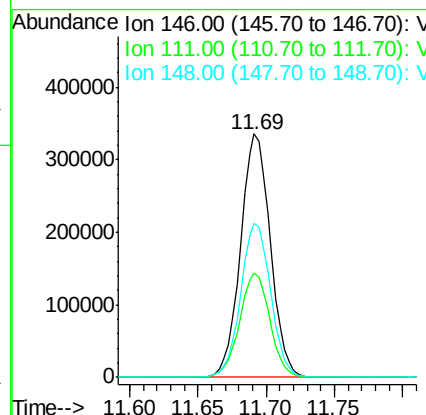
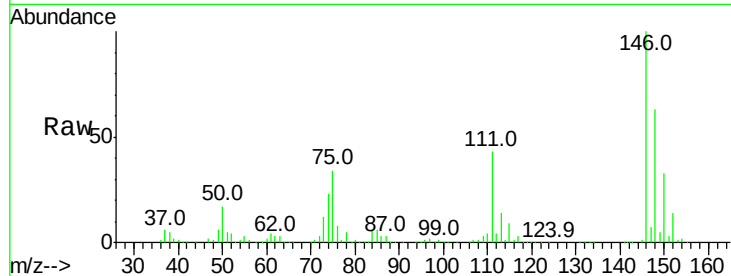




#65
 1,2-Dichlorobenzene
 Concen: 97.894 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

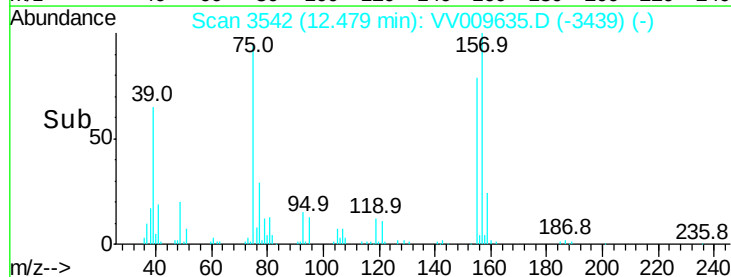
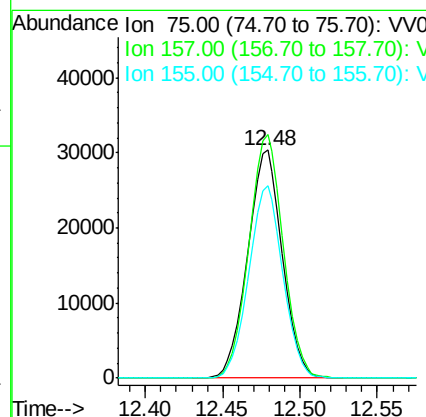
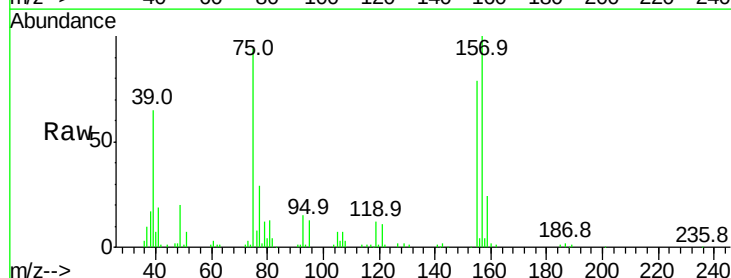
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

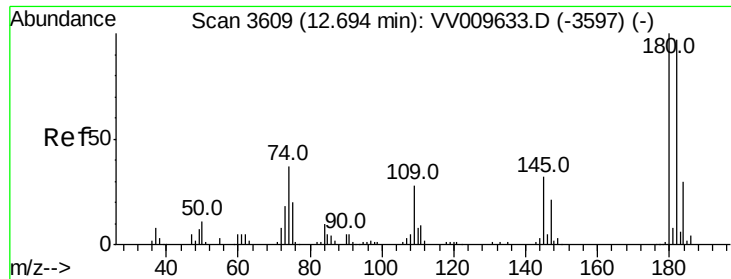
Tgt Ion: 146 Resp: 508129
 Ion Ratio Lower Upper
 146 100
 111 43.0 33.8 50.6
 148 63.3 49.1 73.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 91.064 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion: 75 Resp: 47344
 Ion Ratio Lower Upper
 75 100
 157 106.9 78.6 118.0
 155 84.7 60.0 90.0

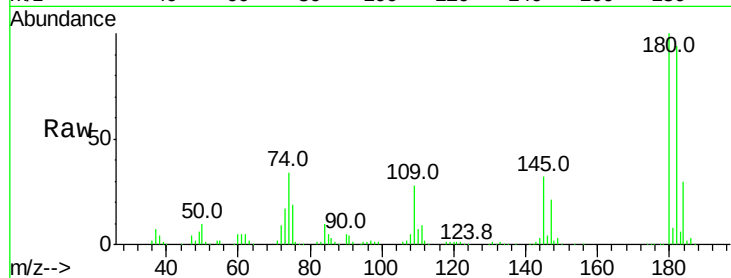




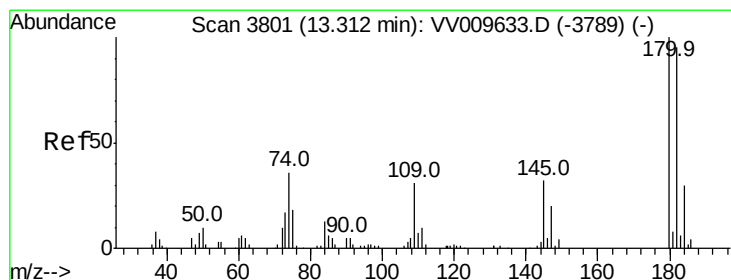
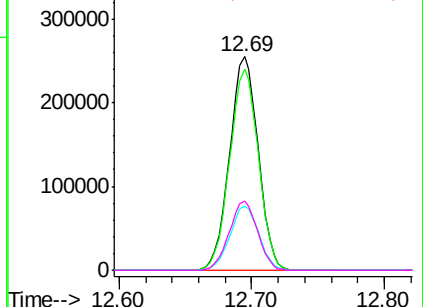
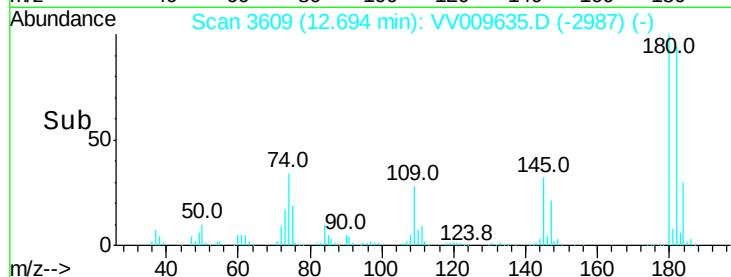
#67
 1,3,5-Trichlorobenzene
 Concen: 95.324 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10082

Tgt Ion:180 Resp: 380572
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.3 114.5
 184 30.3 23.8 35.8
 145 32.1 25.8 38.8

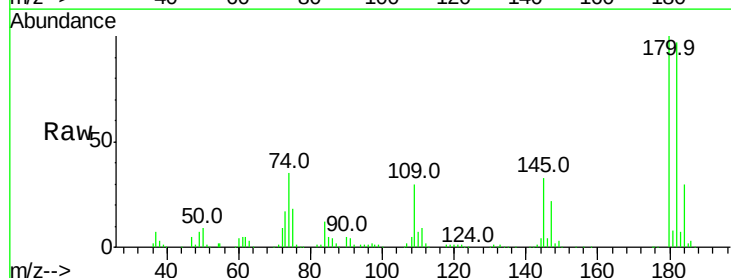


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

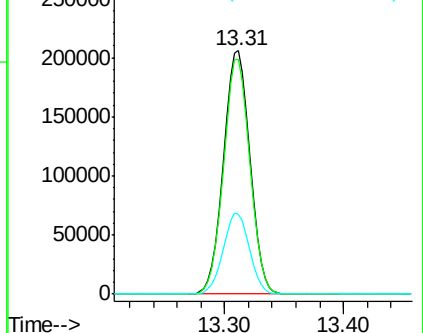
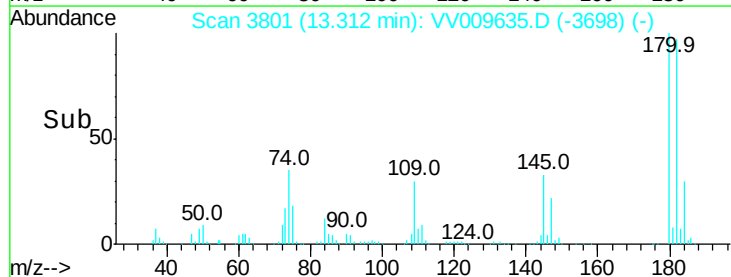


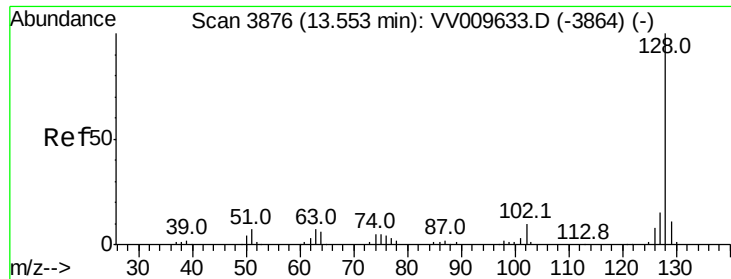
#68
 1,2,4-trichlorobenzene
 Concen: 99.664 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009635.D
 Acq: 13 Mar 2019 12:19

Tgt Ion:180 Resp: 318570
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.4 116.0
 145 32.9 26.4 39.6



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





#69

Naphthalene

Concen: 102.128 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD10082

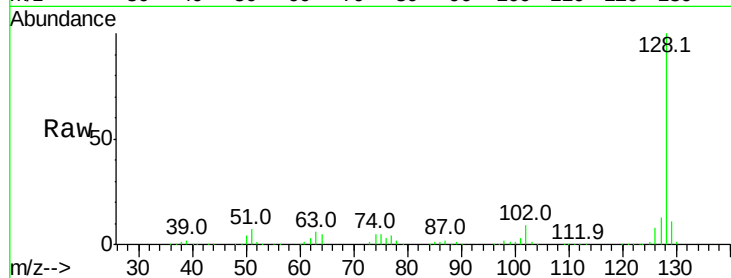
Tgt Ion:128 Resp: 687601

Ion Ratio Lower Upper

128 100

129 10.7 8.3 12.5

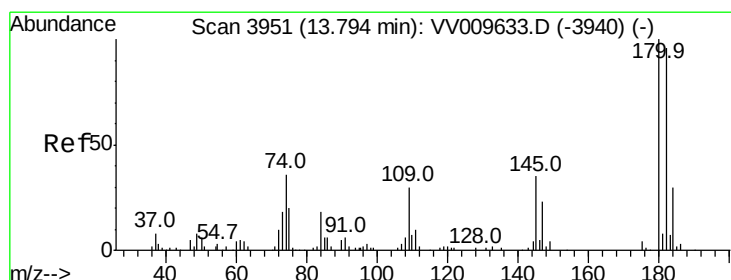
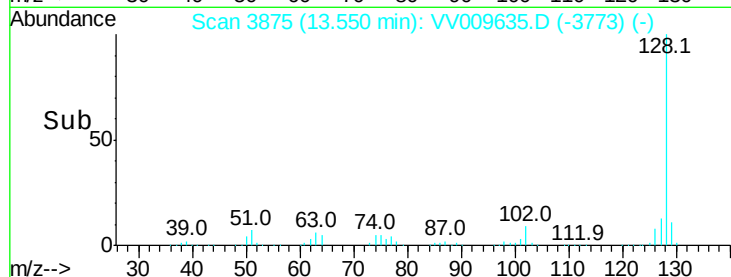
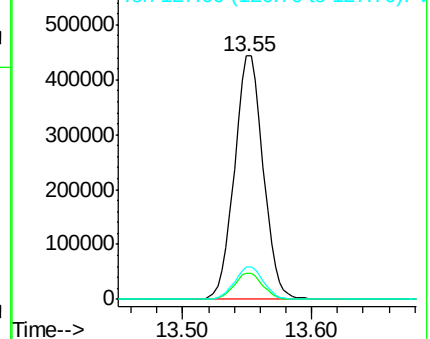
127 13.4 11.0 16.6



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: 101.315 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009635.D

Acq: 13 Mar 2019 12:19

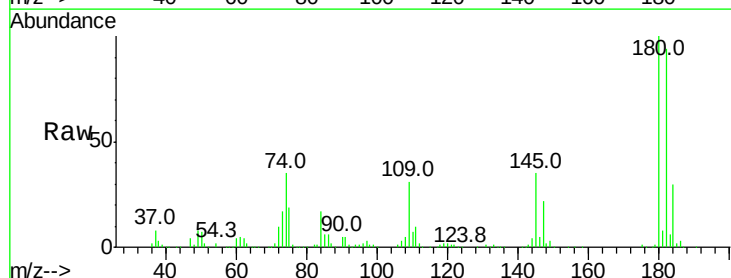
Tgt Ion:180 Resp: 297930

Ion Ratio Lower Upper

180 100

182 95.2 76.9 115.3

145 35.0 27.3 40.9



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

