

Data File : VV009286.D
Acq On : 12 Feb 2019 14:14
Operator : SY/MD
Sample : VSTD10065
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Feb 13 07:19:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021219S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 07:15:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	235149	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	225852	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	117655	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	359700	148.01	ug/L	0.00
7) Chloroethane-d5	1.56	69	198965	106.76	ug/L	-0.02
10) 1,1-Dichloroethene-d2	2.12	63	739682	119.35	ug/L	0.00
20) 2-Butanone-d5	3.94	46	385624	342.22	ug/L	-0.01
24) Chloroform-d	4.40	84	694775	120.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	417313	129.94	ug/L	0.00
29) Benzene-d6	5.10	84	1353376	115.58	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	420715	122.94	ug/L	0.00
37) Toluene-d8	7.36	98	1287806	117.11	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	205744	124.51	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	267057	378.90	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	450654	132.85	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	454994	102.56	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	366884	94.915	ug/L	99
3) Chloromethane	1.25	50	404885	139.796	ug/L	98
5) Vinyl chloride	1.32	62	419995	141.958	ug/L	96
6) Bromomethane	1.52	94	164942	84.259	ug/L	99
8) Chloroethane	1.58	64	227668	134.971	ug/L	98
9) Trichlorofluoromethane	1.76	101	607674	115.874	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	338509	104.239	ug/L	99
12) 1,1-Dichloroethene	2.13	96	302007	106.047	ug/L	93
13) Acetone	2.20	43	492137	307.684	ug/L	100
14) Carbon disulfide	2.31	76	1202666	126.420	ug/L	99
15) Methyl Acetate	2.46	43	314150	164.201	ug/L	97
16) Methylene chloride	2.53	84	364407	104.160	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	941646	124.382	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	366729	113.503	ug/L	100
19) 1,1-Dichloroethane	3.23	63	697151	128.151	ug/L	98
21) 2-Butanone	4.02	43	544016	330.440	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	389915	114.772	ug/L	100
23) Bromochloromethane	4.30	128	168714	105.727	ug/L	99
25) Chloroform	4.43	83	689295	121.054	ug/L	99
27) 1,2-Dichloroethane	5.18	62	521374	130.495	ug/L	99
30) Cyclohexane	4.72	56	707576	133.153	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	620787	114.012	ug/L	99
32) Carbon tetrachloride	4.87	117	549805	111.182	ug/L	99
34) Benzene	5.15	78	1488650	117.968	ug/L	100
35) Trichloroethene	5.96	95	400260	112.228	ug/L	99
36) Methylcyclohexane	6.18	83	699423	117.217	ug/L	98
40) 1,2-Dichloropropane	6.22	63	390041	123.342	ug/L	100
41) Bromodichloromethane	6.56	83	506701	119.309	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	622197	129.616	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	807463	301.827	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1611267	118.931	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	561617	130.903	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	299886	112.294	ug/L	98
47) Tetrachloroethene	8.02	164	303643	101.782	ug/L	98
49) 2-Hexanone	8.19	43	746839	340.297	ug/L	97
50) Dibromochloromethane	8.29	129	363338	113.325	ug/L	97
51) 1,2-Dibromoethane	8.40	107	303857	112.091	ug/L	97
52) Chlorobenzene	8.93	112	991774	109.135	ug/L	100
53) Ethylbenzene	9.06	91	1842244	121.058	ug/L	98
54) m,p-Xylene	9.18	106	690700	119.227	ug/L	99
55) o-xylene	9.59	106	655369	119.321	ug/L	96
56) Styrene	9.60	104	1141870	124.004	ug/L	99
57) Isopropylbenzene	9.98	105	1821884	121.030	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	454920	131.388	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	351537	127.630	ug/L	100
62) Bromoform	9.78	173	238666	115.118	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	784647	103.974	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	798086	103.608	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	747930	104.482	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	100764	141.387	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	610921	102.322	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	521853	109.176	ug/L	99
69) Naphthalene	13.55	128	1227741	129.423	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	484026	109.817	ug/L	100

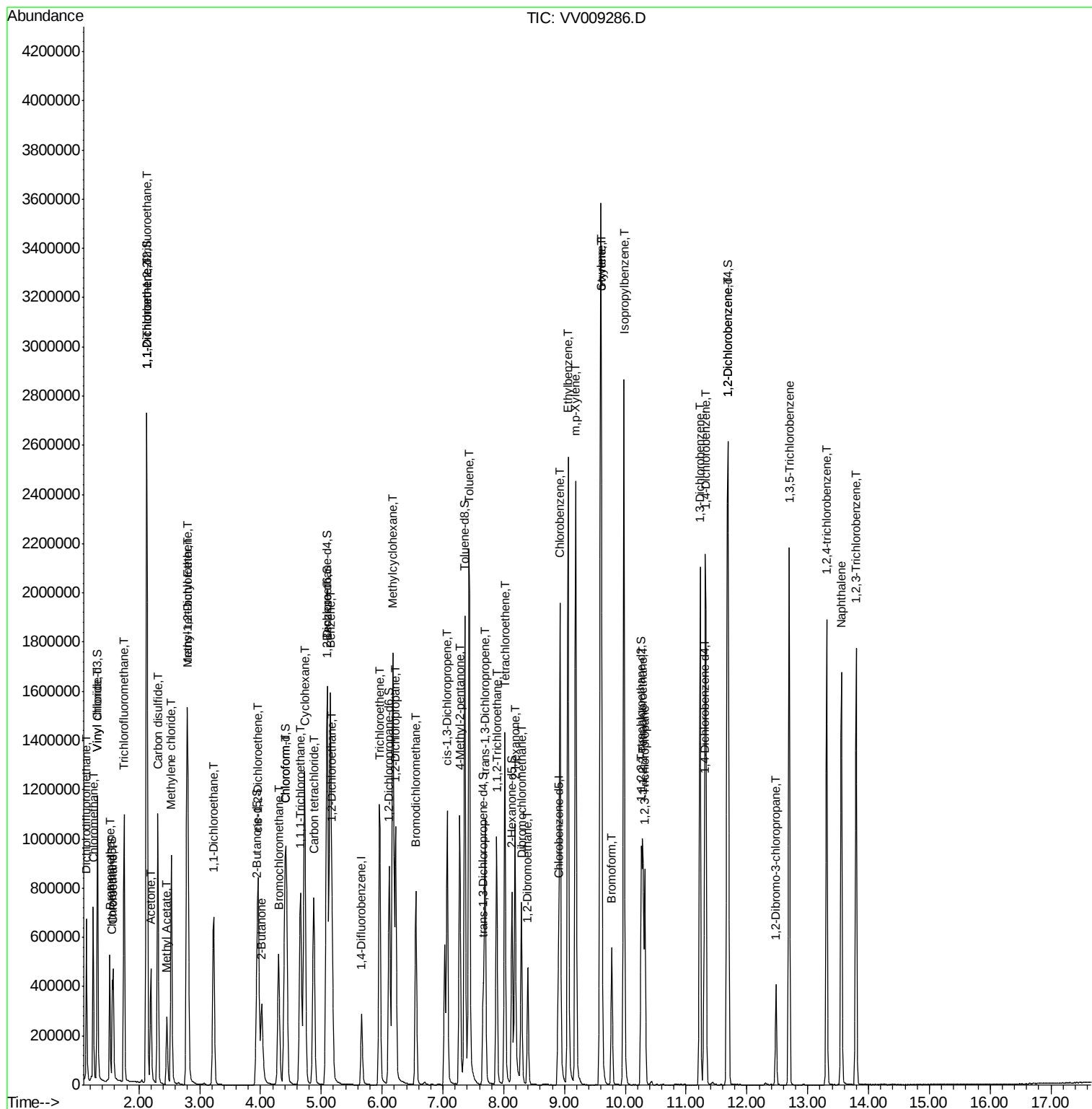
(#) = qualifier out of range (m) = manual integration (+) = signals summed

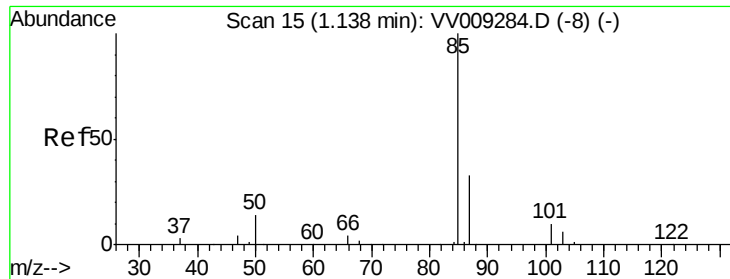
Data File : VV009286.D

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#2

Dichlorodifluoromethane

Concen: 94.915 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

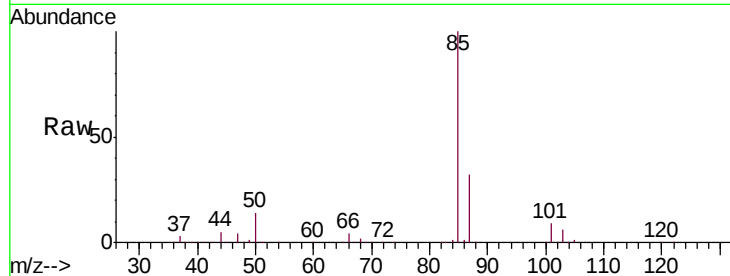
VSTD10065

Tgt Ion: 85 Resp: 366884

Ion Ratio Lower Upper

85 100

87 32.2 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VV009286.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009286.D (-8) (-)

1.14

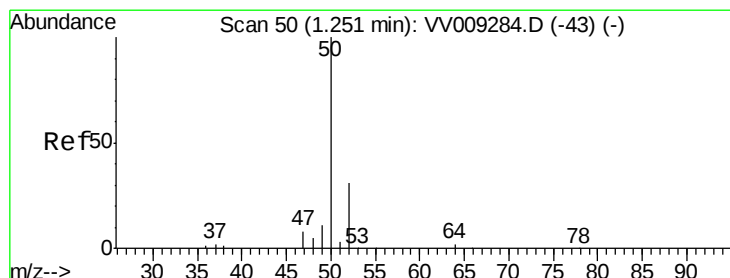
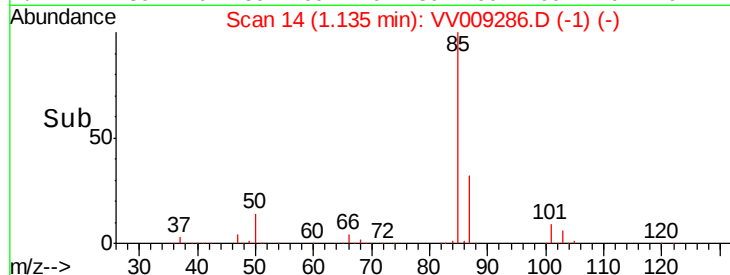
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 139.796 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009286.D

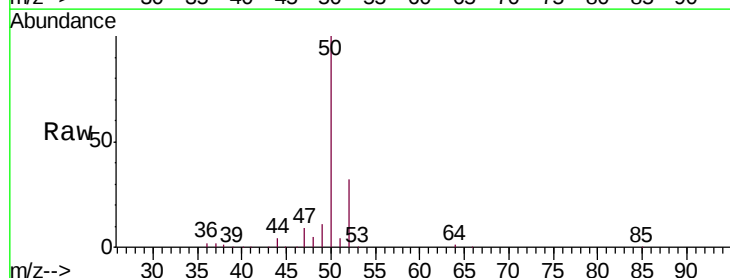
Acq: 12 Feb 2019 14:14

Tgt Ion: 50 Resp: 404885

Ion Ratio Lower Upper

50 100

52 31.9 21.5 39.9



Abundance Ion 50.00 (49.70 to 50.70): VV009286.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009286.D (-43) (-)

500000

400000

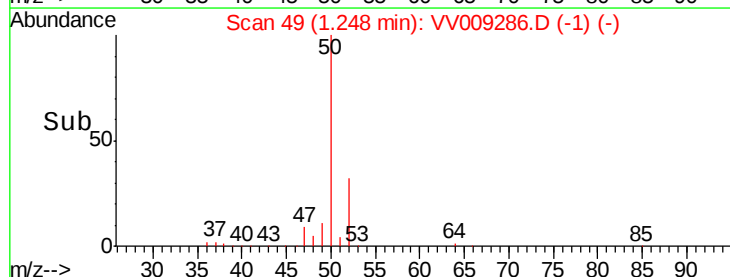
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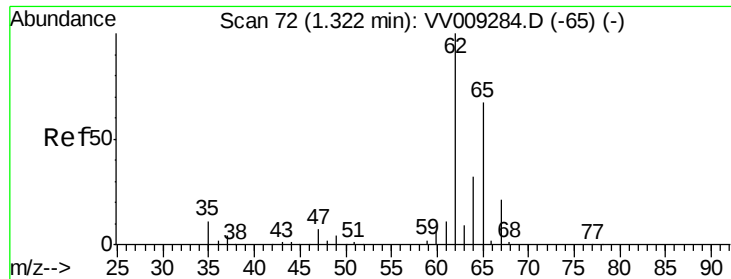
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 141.958 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

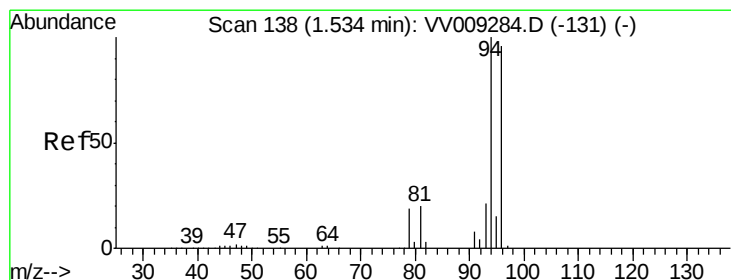
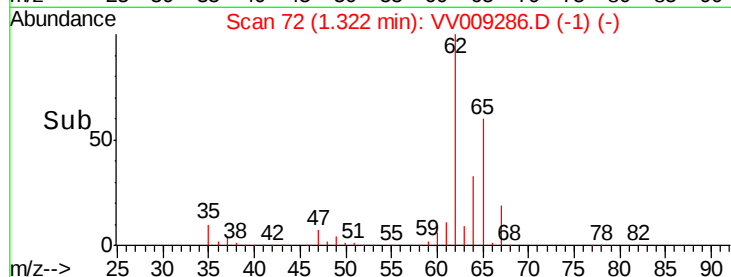
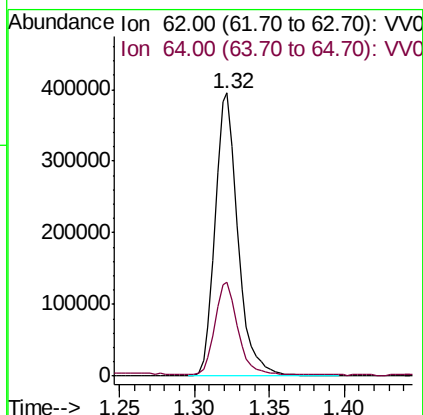
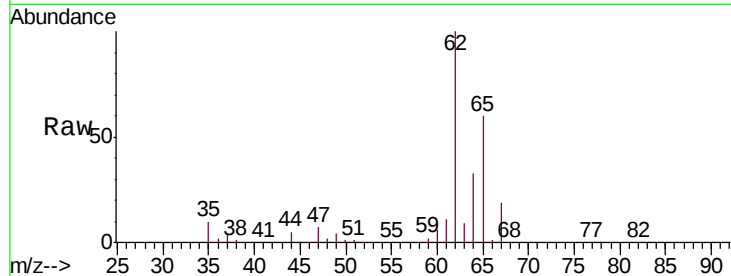
VSTD10065

Tgt Ion: 62 Resp: 419995

Ion Ratio Lower Upper

62 100

64 33.3 24.9 46.3



#6

Bromomethane

Concen: 84.259 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.01 min

Lab File: VV009286.D

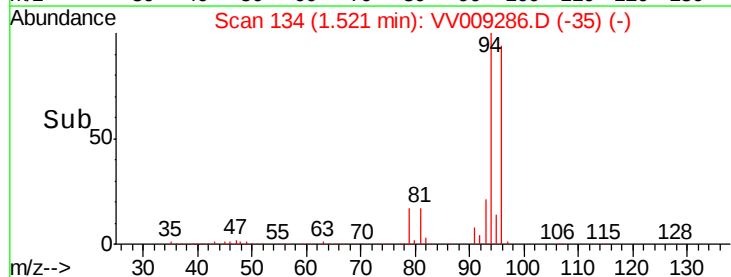
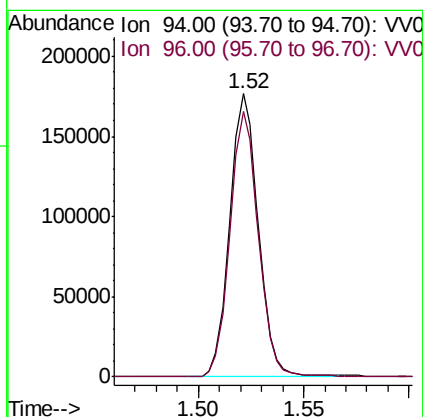
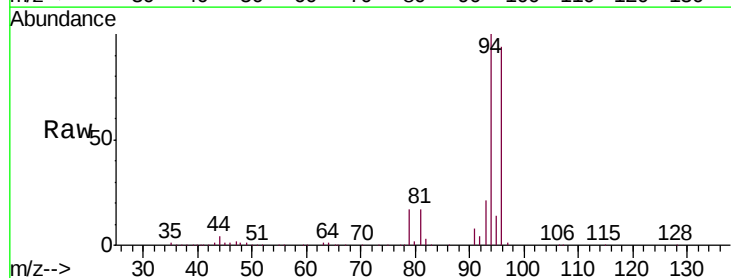
Acq: 12 Feb 2019 14:14

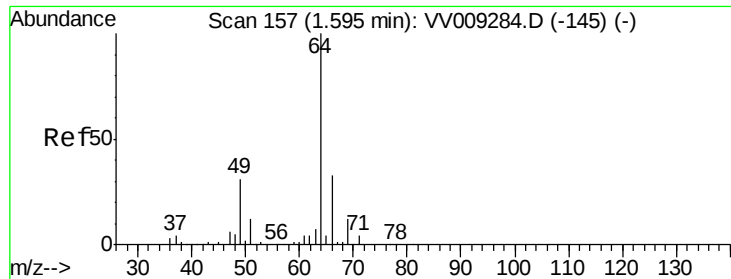
Tgt Ion: 94 Resp: 164942

Ion Ratio Lower Upper

94 100

96 93.5 9.5 179.7





#8

Chloroethane

Concen: 134.971 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.02 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

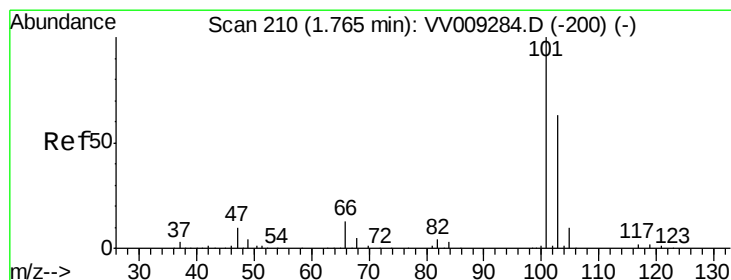
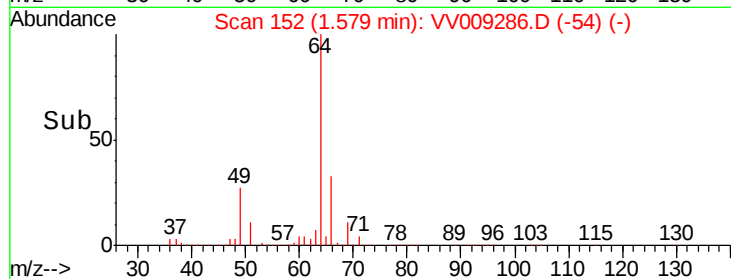
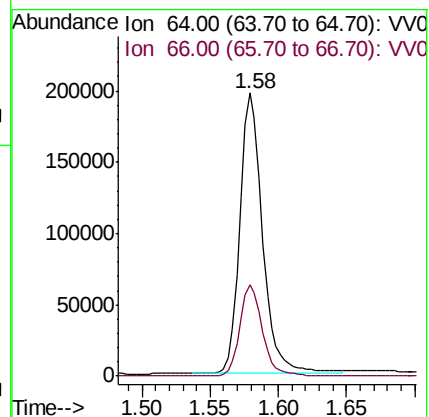
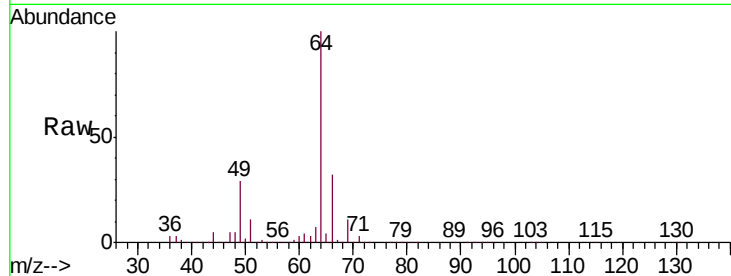
VSTD10065

Tgt Ion: 64 Resp: 227668

Ion Ratio Lower Upper

64 100

66 32.3 21.9 40.7



#9

Trichlorofluoromethane

Concen: 115.874 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.01 min

Lab File: VV009286.D

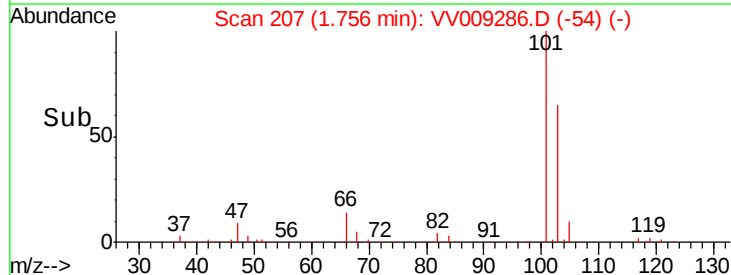
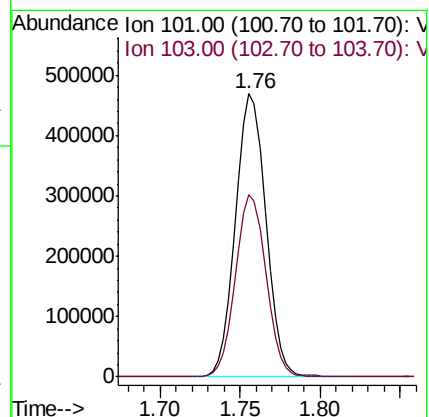
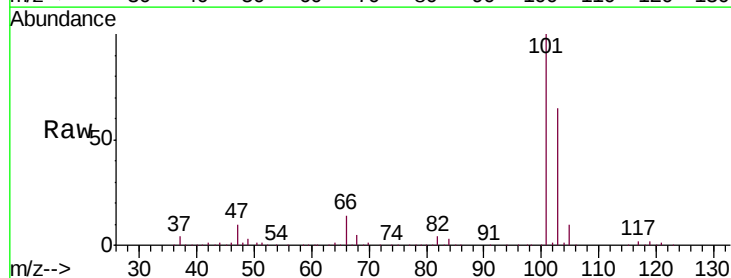
Acq: 12 Feb 2019 14:14

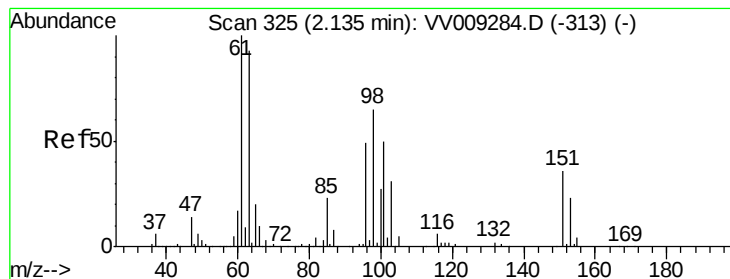
Tgt Ion: 101 Resp: 607674

Ion Ratio Lower Upper

101 100

103 64.7 44.6 82.8





#11

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

Concen: 104.239 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

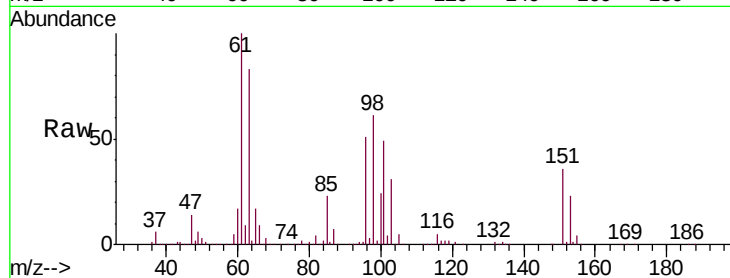
Tgt Ion: 101 Resp: 338509

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

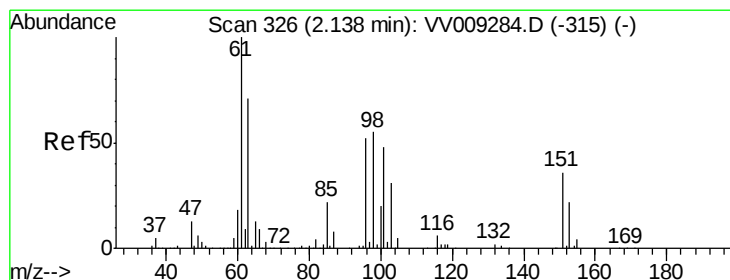
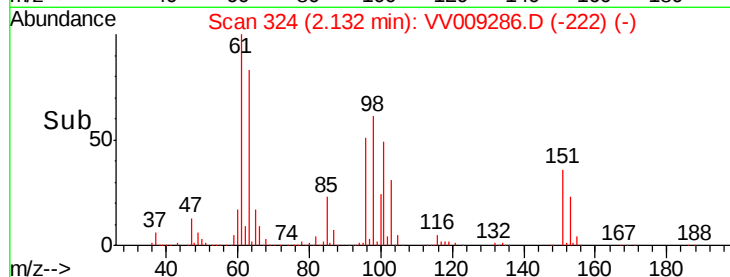
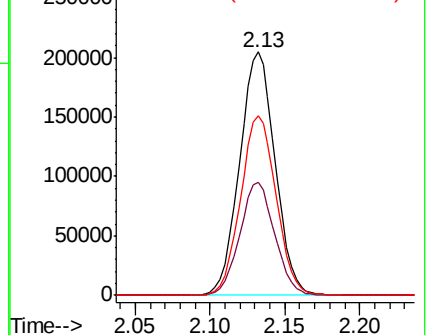
151 73.9 58.4 87.6



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: 106.047 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

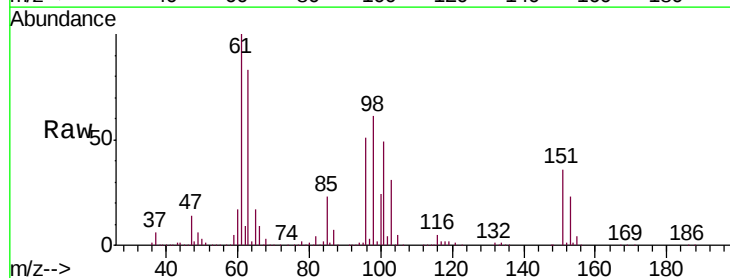
Tgt Ion: 96 Resp: 302007

Ion Ratio Lower Upper

96 100

61 196.1 136.3 253.1

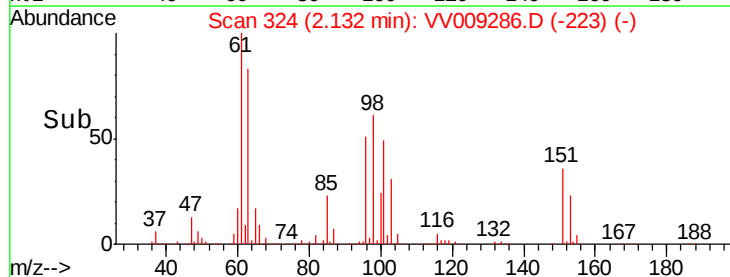
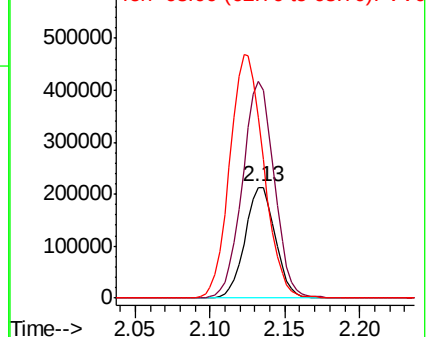
63 163.0 100.0 185.8

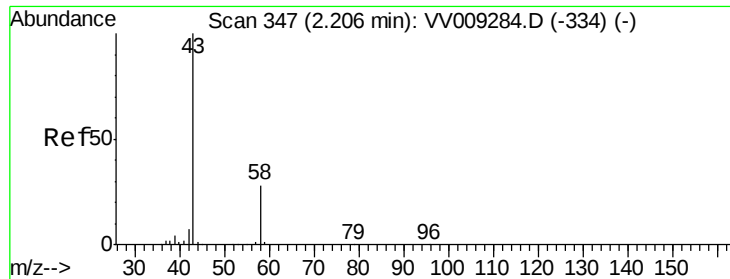


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 307.684 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

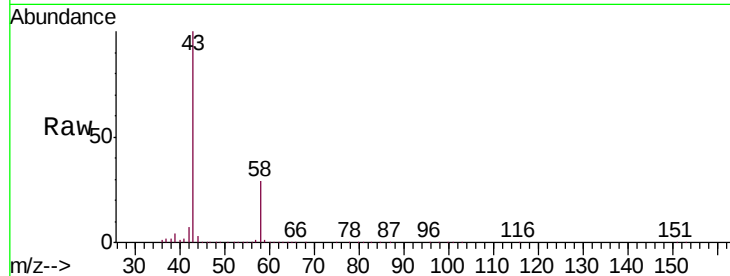
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 43 Resp: 492137

Ion Ratio Lower Upper

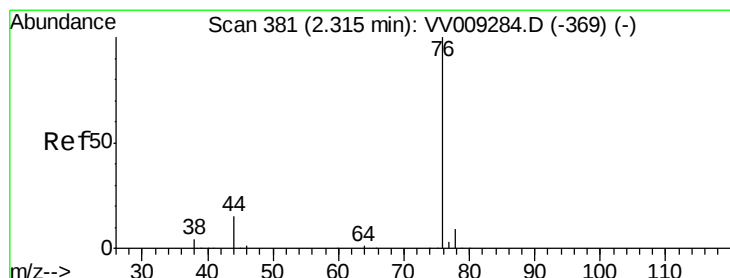
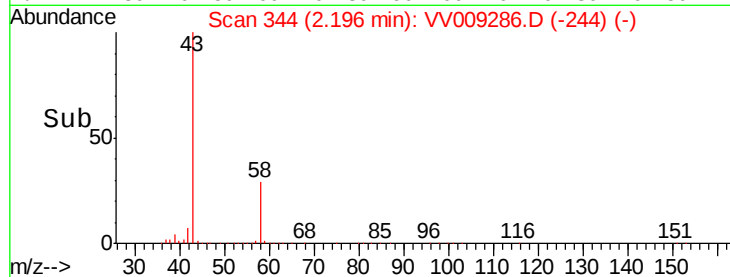
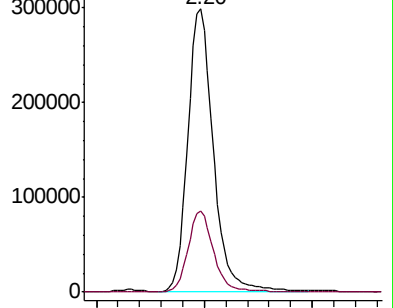
43 100

58 28.6 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VV009286.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009286.D (-334) (-)



#14

Carbon disulfide

Concen: 126.420 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009286.D

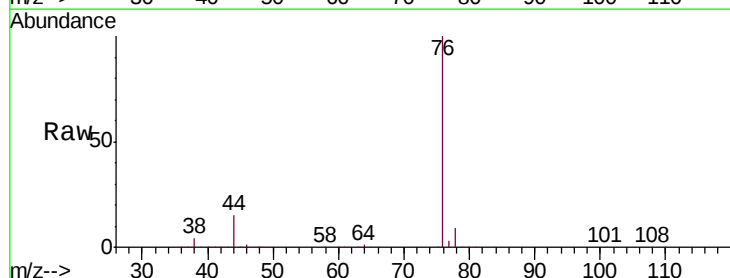
Acq: 12 Feb 2019 14:14

Tgt Ion: 76 Resp: 1202666

Ion Ratio Lower Upper

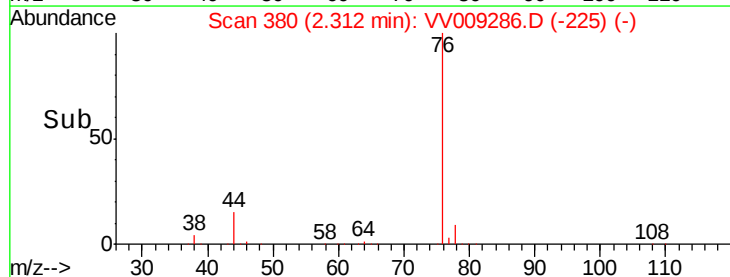
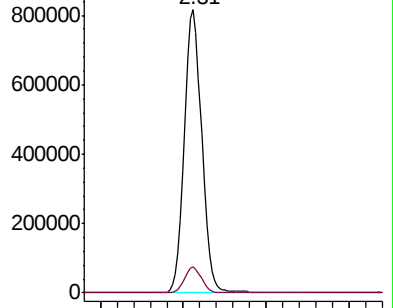
76 100

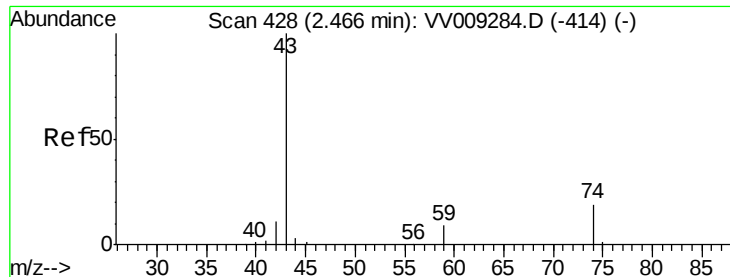
78 9.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VV009286.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009286.D (-369) (-)





#15

Methyl Acetate

Concen: 164.201 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

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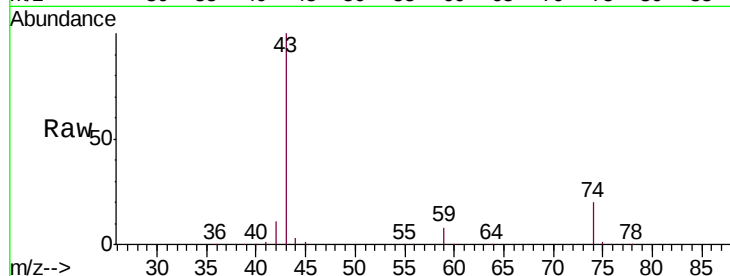
VSTD10065

Tgt Ion: 43 Resp: 314150

Ion Ratio Lower Upper

43 100

74 19.8 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VV009286.D (-325) (-)

Ion 74.00 (73.70 to 74.70): VV009286.D (-325) (-)

2.46

200000

150000

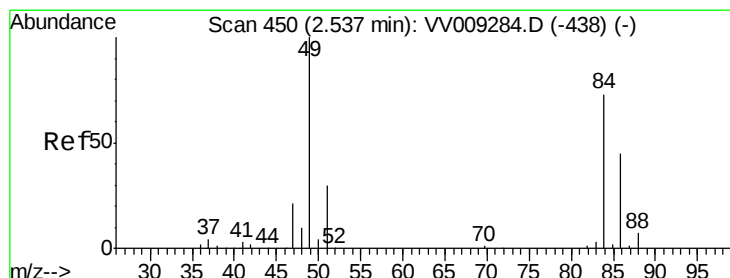
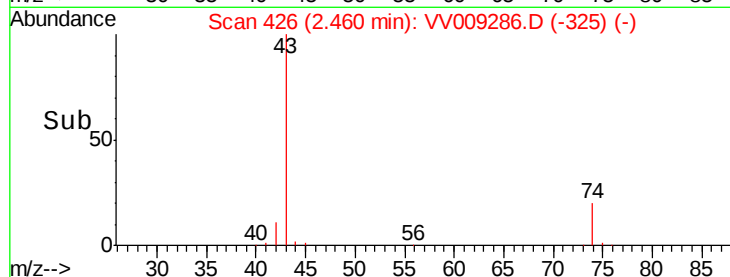
100000

50000

0

2.40 2.50 2.60

Time-->



#16

Methylene chloride

Concen: 104.160 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

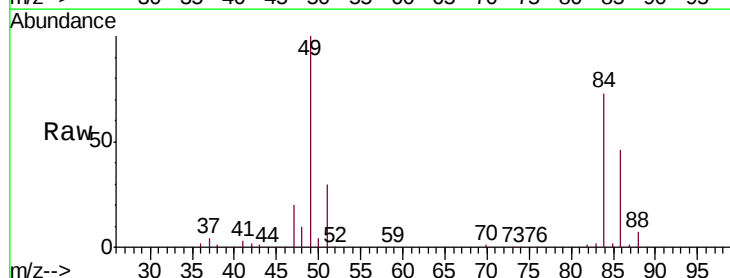
Tgt Ion: 84 Resp: 364407

Ion Ratio Lower Upper

84 100

49 137.1 96.2 178.6

86 63.2 43.5 80.7



Abundance Ion 84.00 (83.70 to 84.70): VV009286.D (-347) (-)

Ion 49.00 (48.70 to 49.70): VV009286.D (-347) (-)

Ion 86.00 (85.70 to 86.70): VV009286.D (-347) (-)

2.53

400000

300000

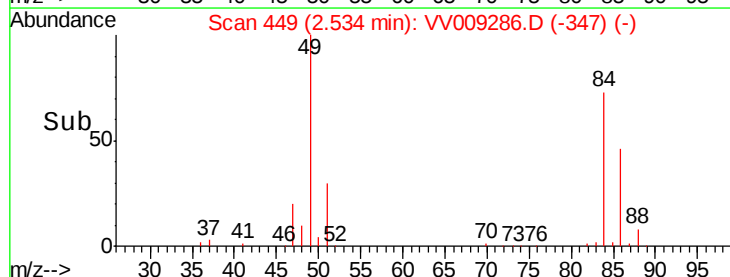
200000

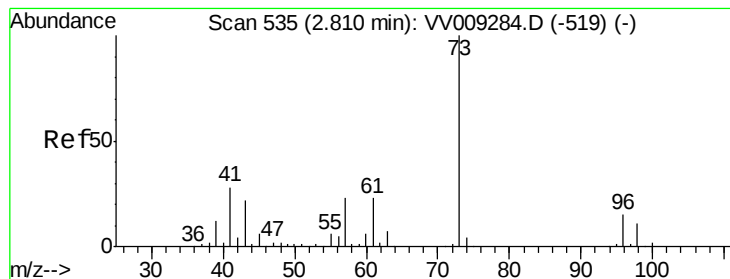
100000

0

2.45 2.50 2.55 2.60 2.65

Time-->



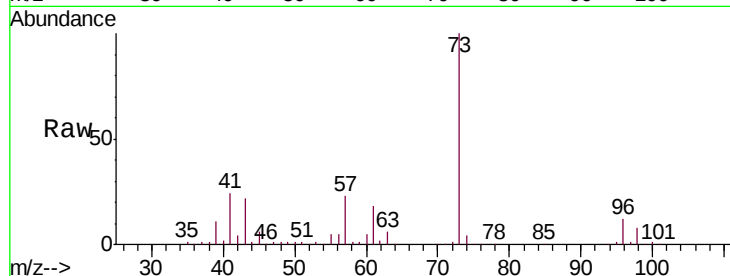


#17

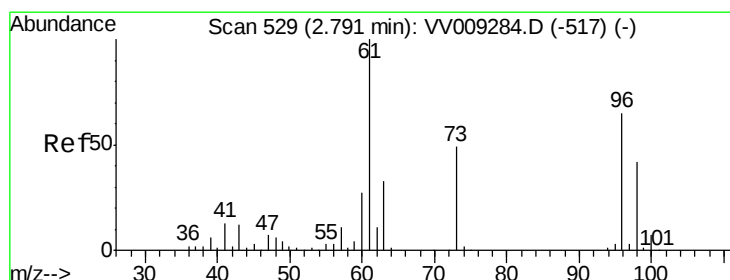
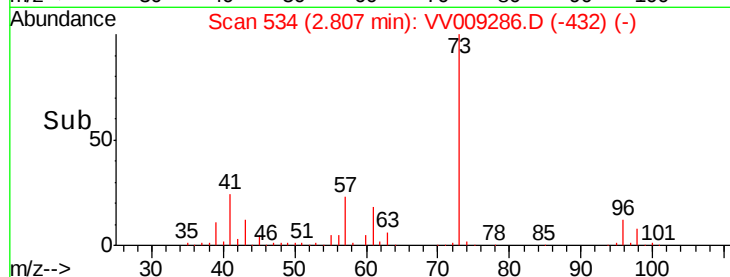
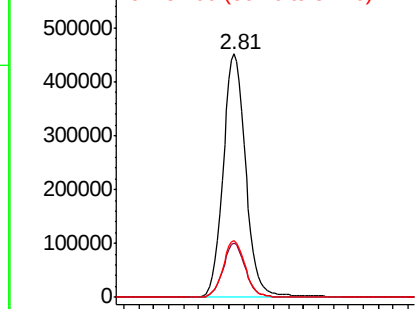
Methyl tert-butyl Ether
 Concen: 124.382 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10065

Tgt Ion: 73 Resp: 941646
 Ion Ratio Lower Upper
 73 100
 43 21.7 18.3 27.5
 57 22.9 18.8 28.2



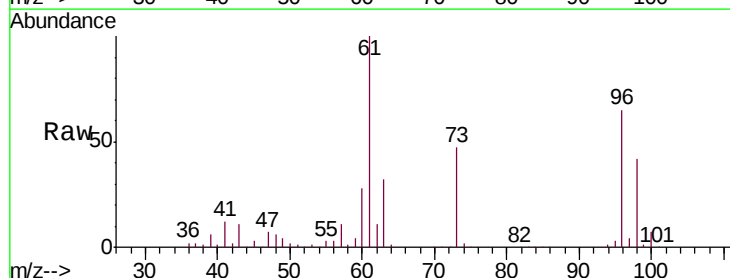
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



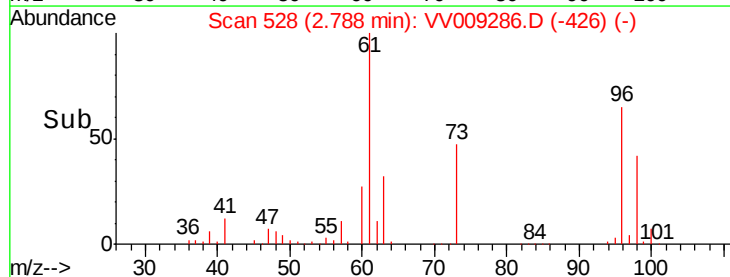
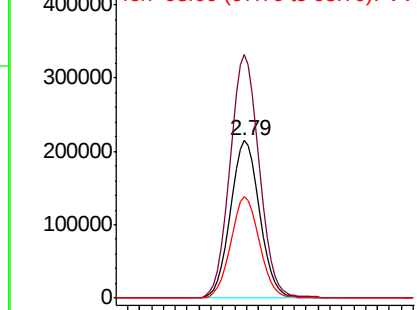
#18

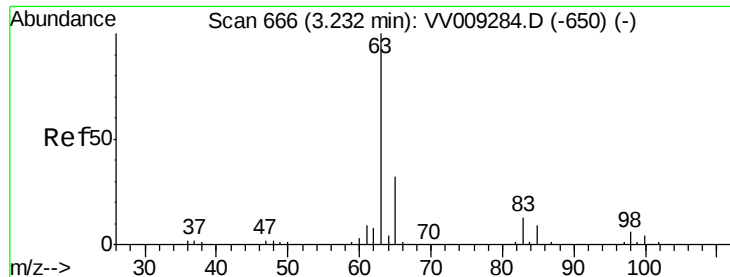
trans-1,2-Dichloroethene
 Concen: 113.503 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Tgt Ion: 96 Resp: 366729
 Ion Ratio Lower Upper
 96 100
 61 154.7 108.4 201.2
 98 64.5 45.0 83.6



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

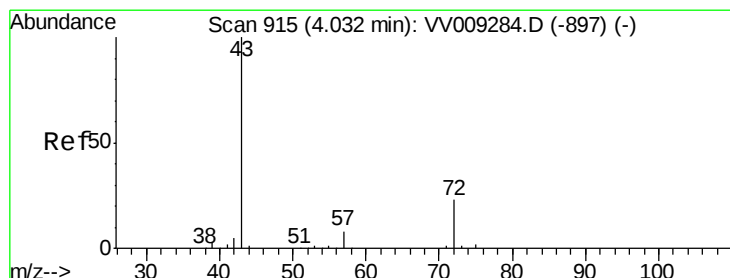
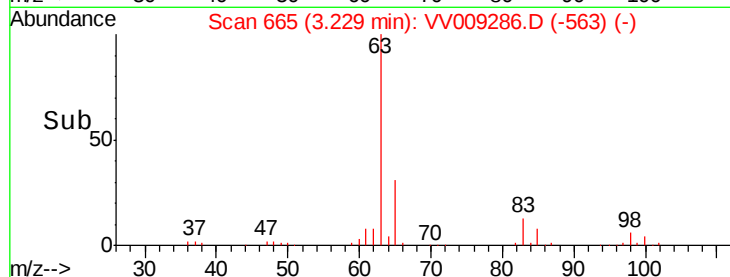
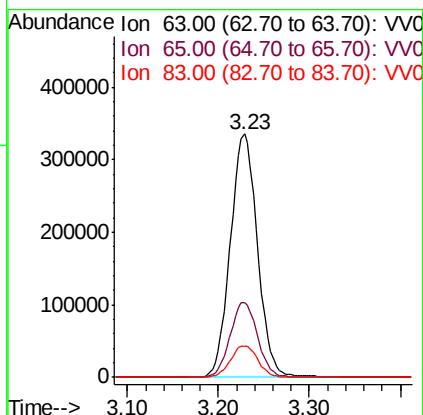
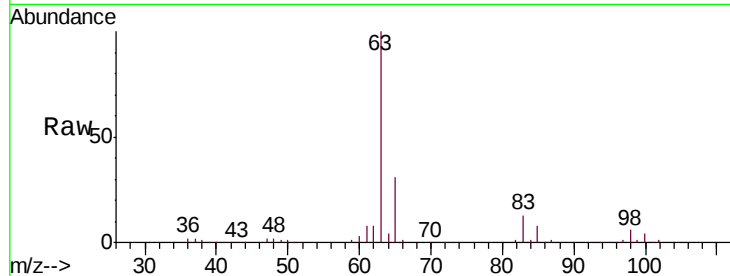




#19
 1,1-Dichloroethane
 Concen: 128.151 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

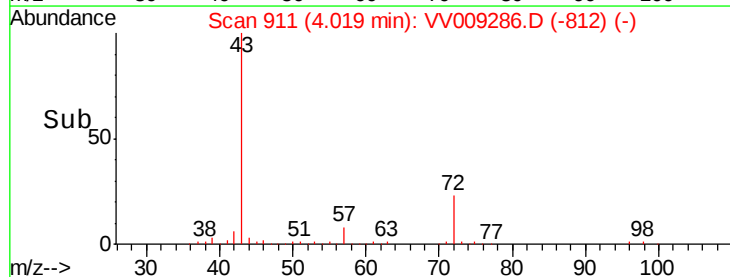
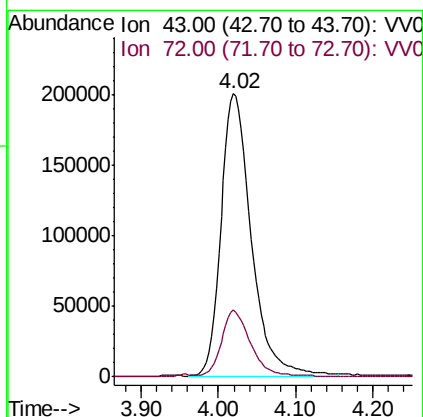
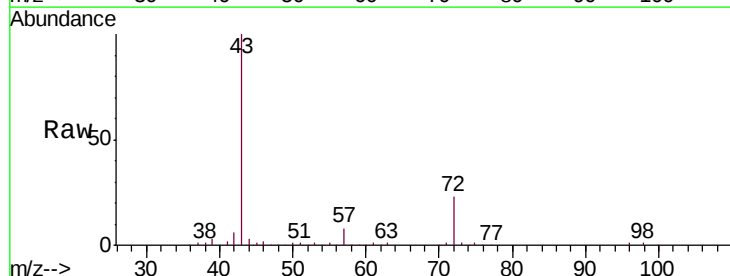
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

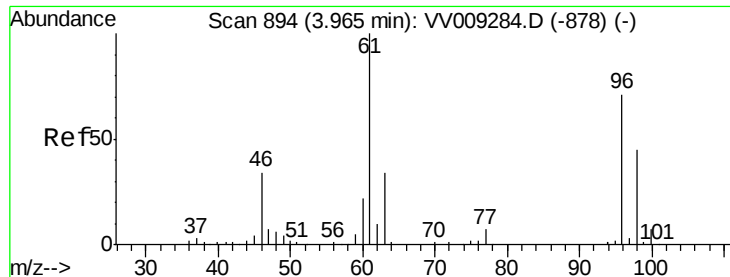
Tgt Ion: 63 Resp: 697151
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.5 41.7
 83 13.0 9.4 17.6



#21
 2-Butanone
 Concen: 330.440 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Tgt Ion: 43 Resp: 544016
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.5 31.6



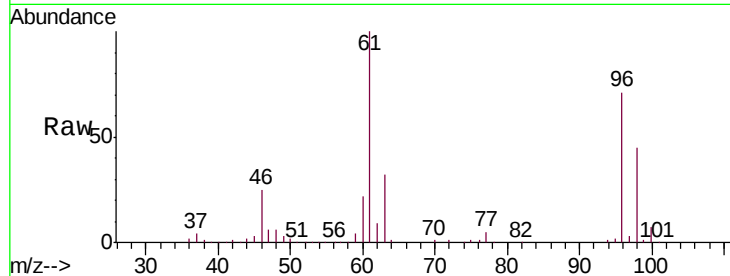


#22

cis-1,2-Dichloroethene
Concen: 114.772 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	99.3	184.5
98	63.4	44.4	82.4

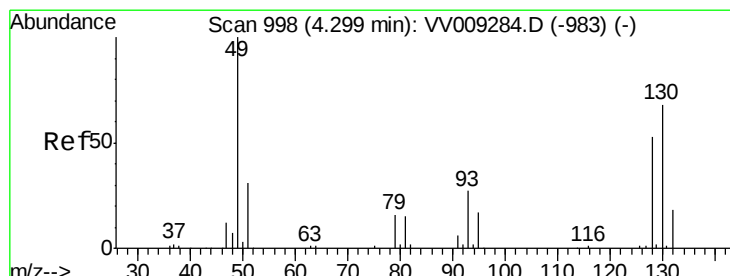
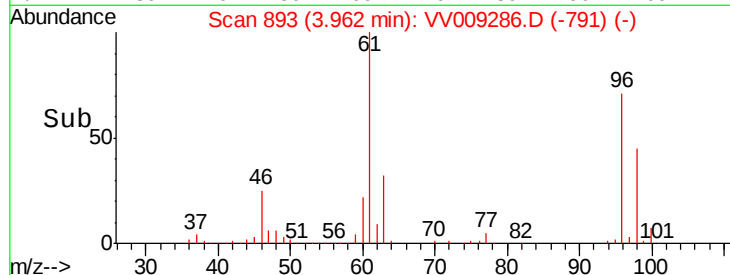
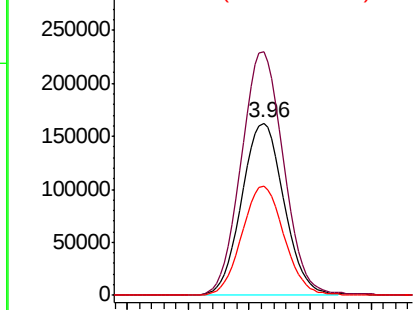


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

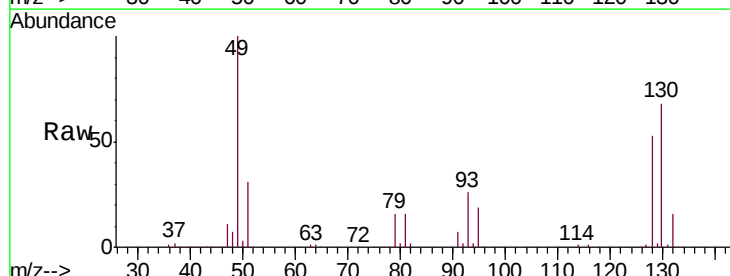
Ion 98.00 (97.70 to 98.70): VV0



#23

Bromochloromethane
Concen: 105.727 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

Tgt Ion	Ratio	Lower	Upper
128	100		
49	189.0	132.6	246.2
130	128.6	89.0	165.2
51	59.4	46.5	69.7



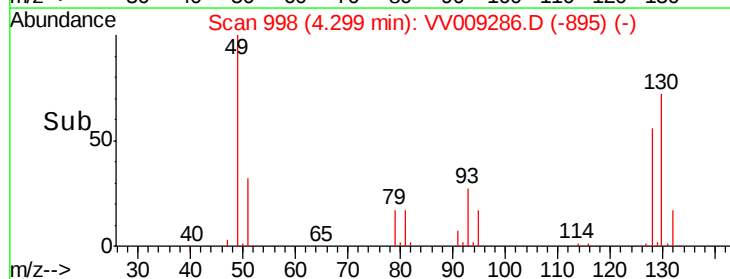
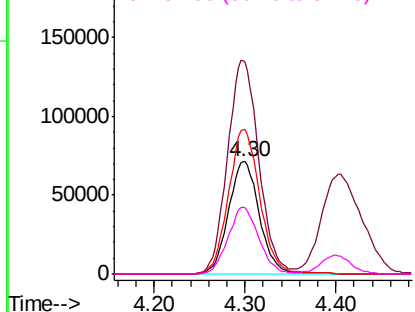
Abundance

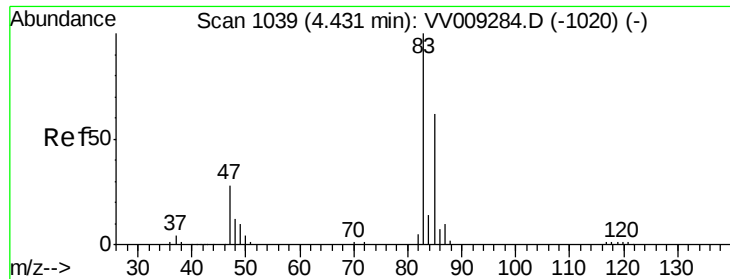
Ion 128.00 (127.70 to 128.70): V

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

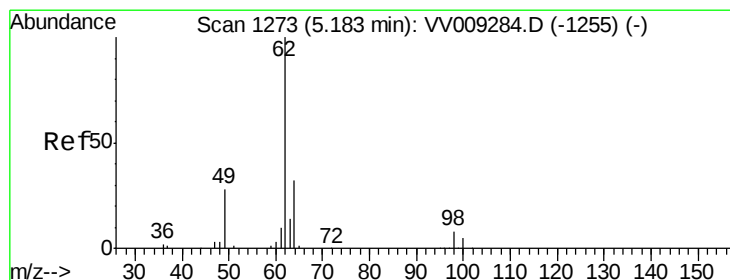
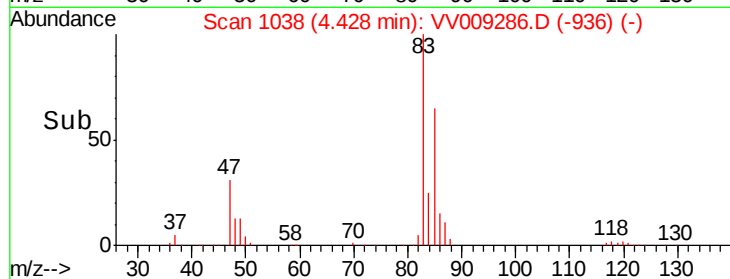
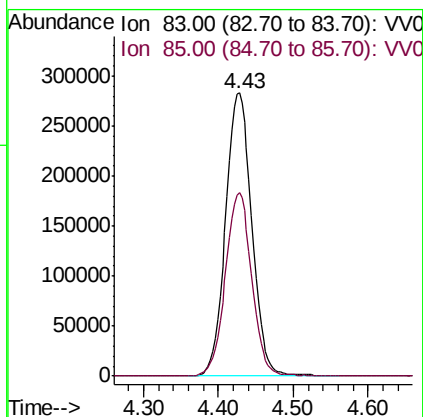
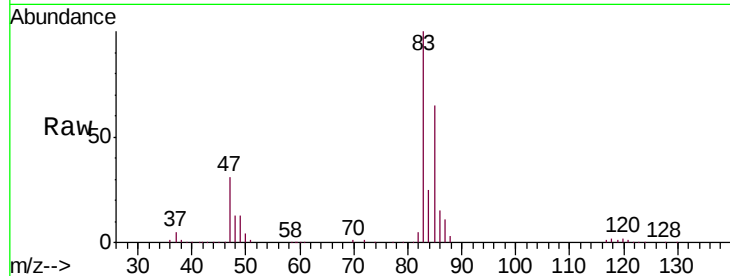




#25
Chloroform
Concen: 121.054 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

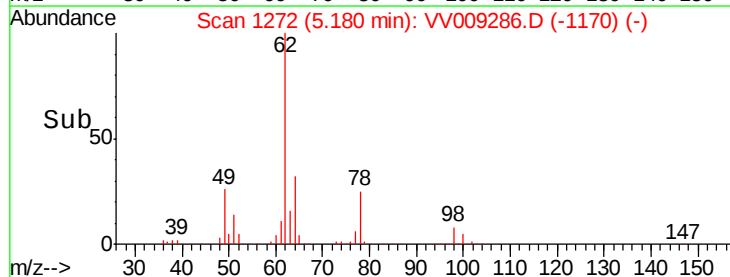
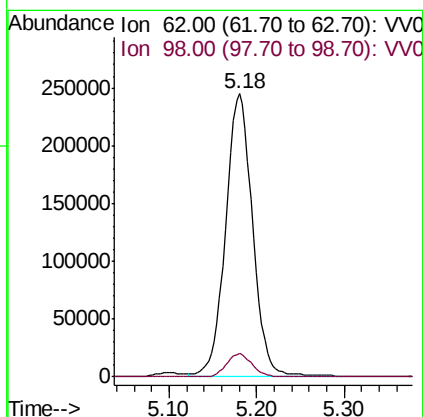
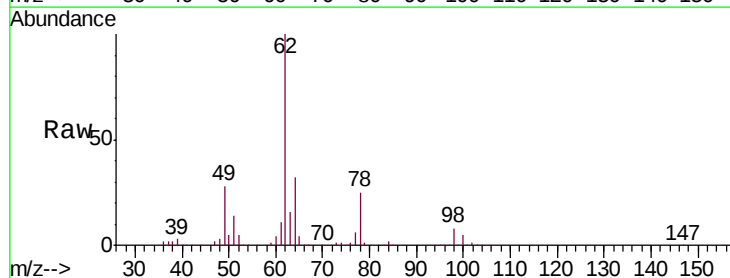
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

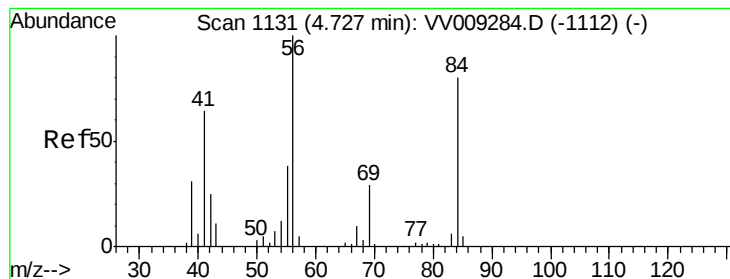
Tgt Ion: 83 Resp: 689295
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.3



#27
1,2-Dichloroethane
Concen: 130.495 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

Tgt Ion: 62 Resp: 521374
Ion Ratio Lower Upper
62 100
98 8.1 6.2 9.2





#30

Cyclohexane

Concen: 133.153 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

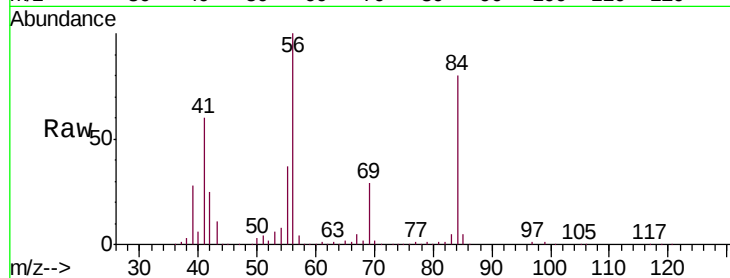
Tgt Ion: 56 Resp: 707576

Ion Ratio Lower Upper

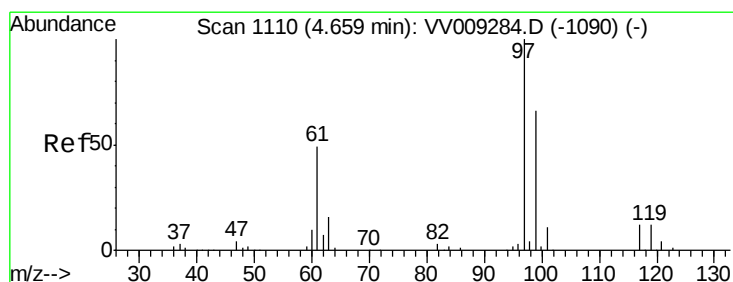
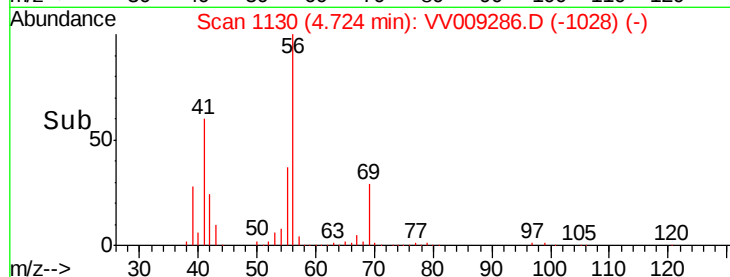
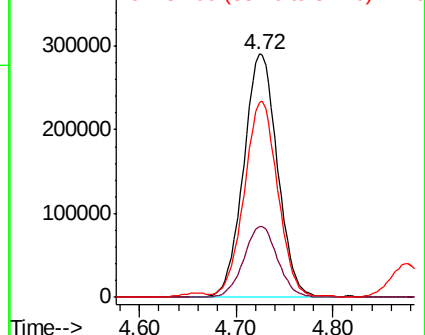
56 100

69 29.2 23.8 35.6

84 79.9 62.4 93.6



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: 114.012 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

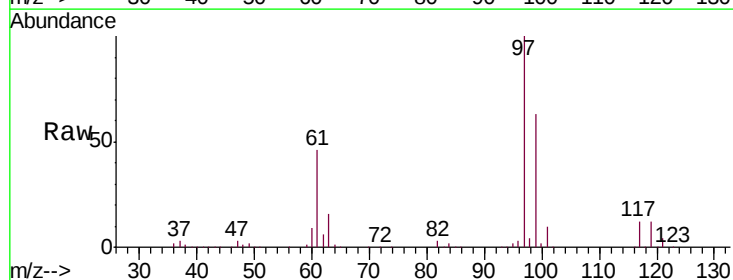
Tgt Ion: 97 Resp: 620787

Ion Ratio Lower Upper

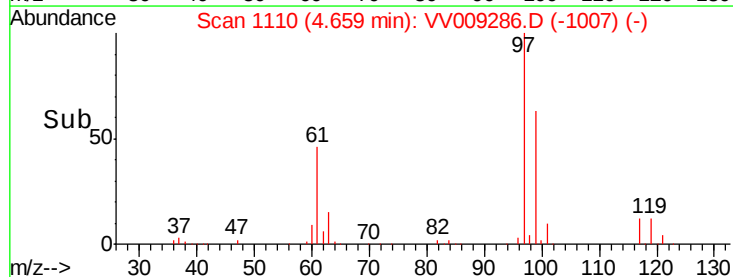
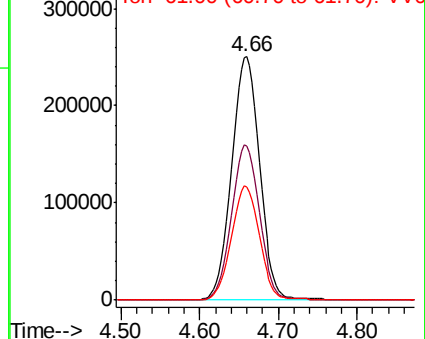
97 100

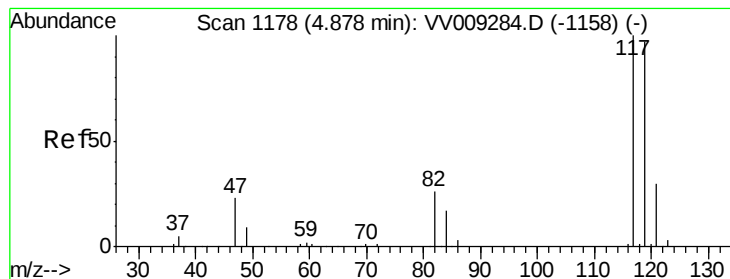
99 63.7 51.5 77.3

61 47.2 39.0 58.4



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: 111.182 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

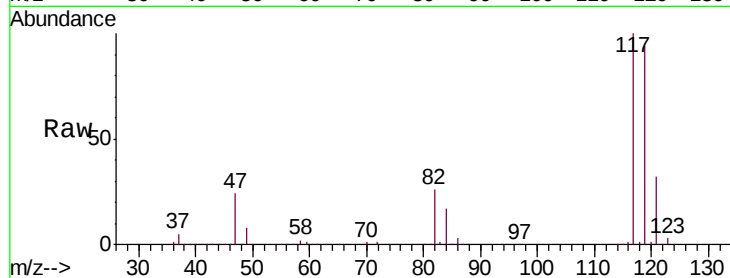
VSTD10065

Tgt Ion:117 Resp: 549805

Ion Ratio Lower Upper

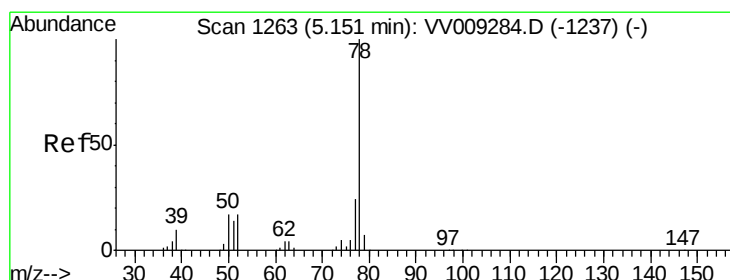
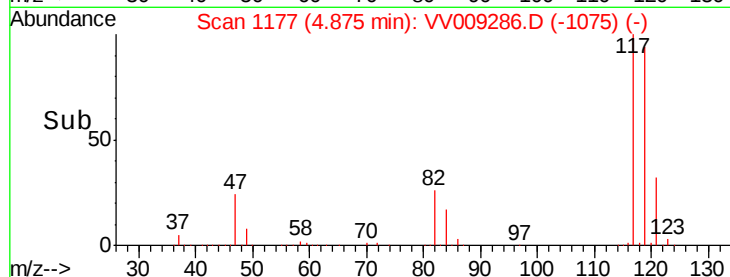
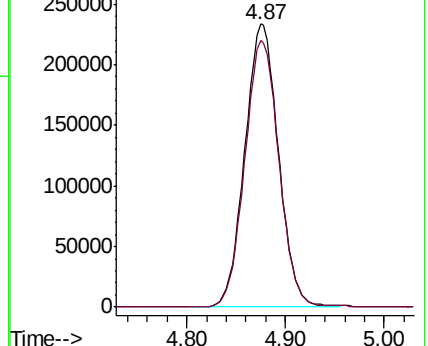
117 100

119 95.3 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 117.968 ug/L

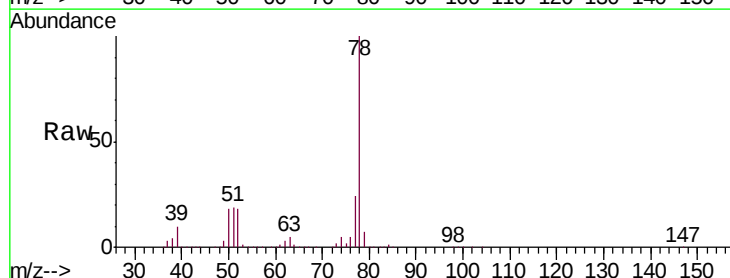
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

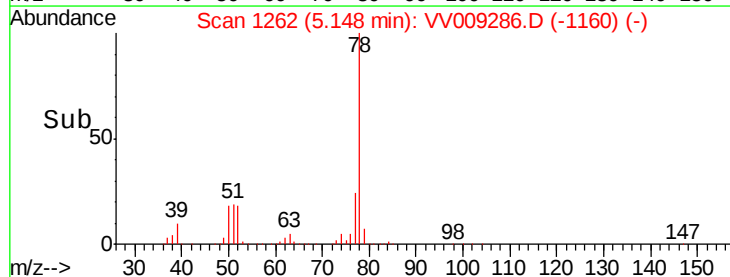
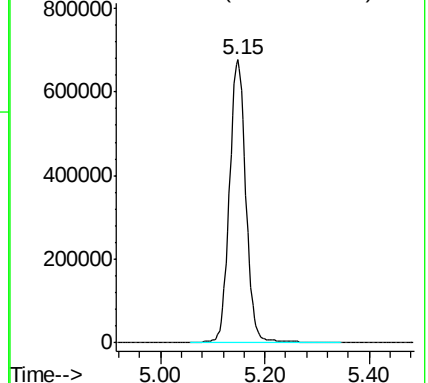
Lab File: VV009286.D

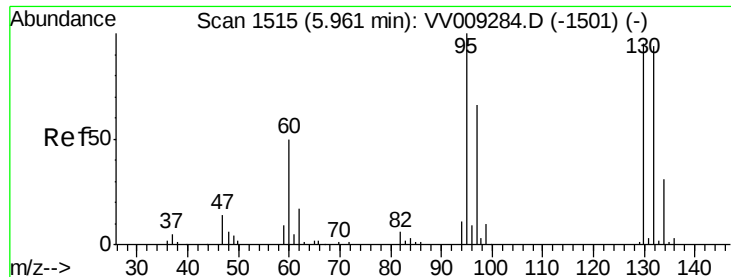
Acq: 12 Feb 2019 14:14

Tgt Ion: 78 Resp: 1488650



Abundance Ion 78.00 (77.70 to 78.70): VV0

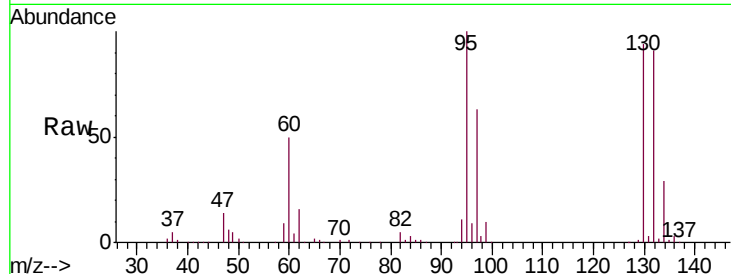




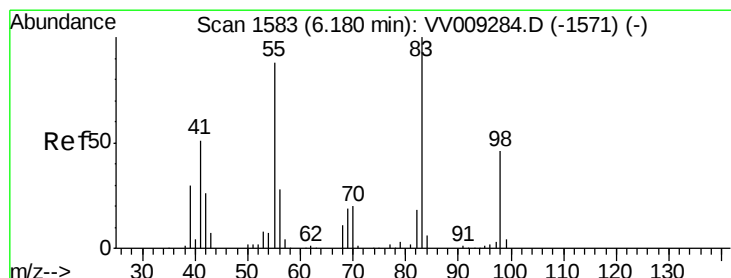
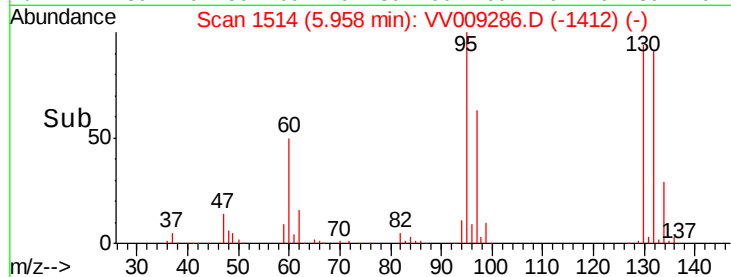
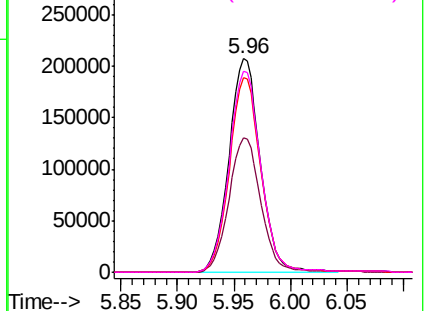
#35
 Trichloroethene
 Concen: 112.228 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion: 95 Resp: 400260
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.4 82.4
 132 91.6 64.5 119.9
 130 94.6 65.0 120.8

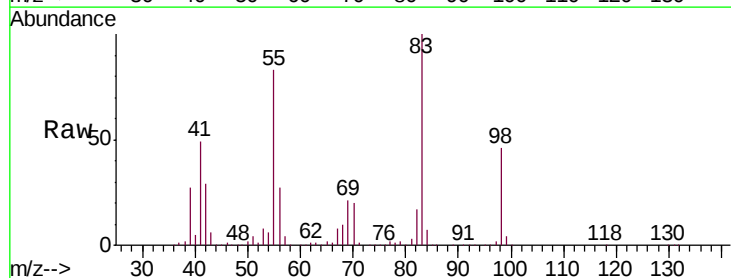


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

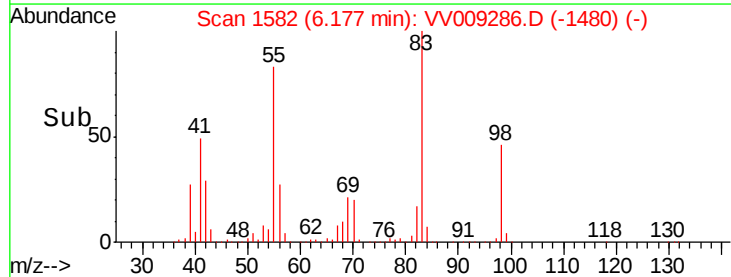
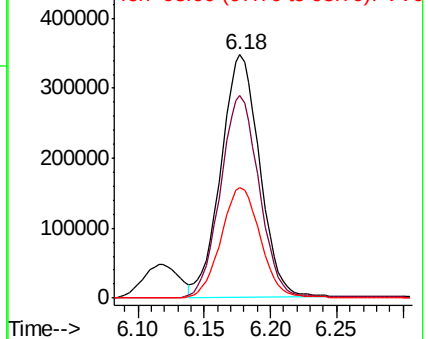


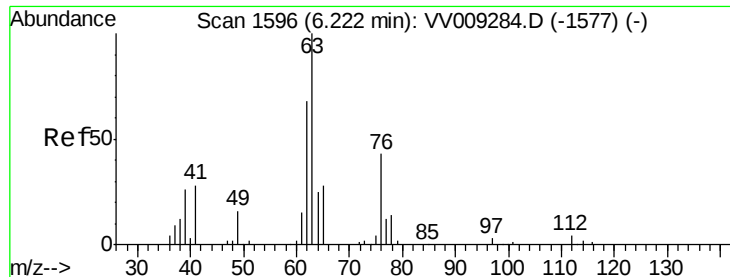
#36
 Methylcyclohexane
 Concen: 117.217 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Tgt Ion: 83 Resp: 699423
 Ion Ratio Lower Upper
 83 100
 55 84.5 69.7 104.5
 98 46.0 36.6 54.8



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

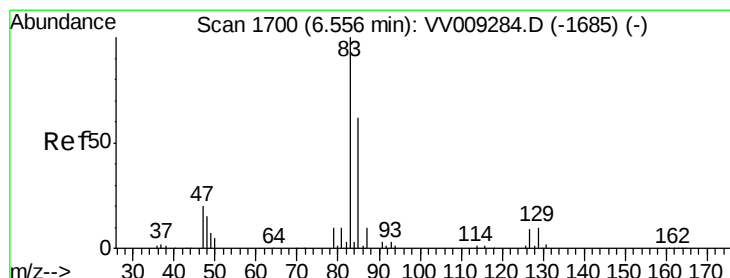
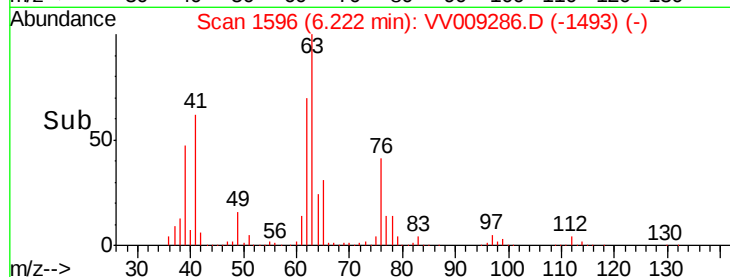
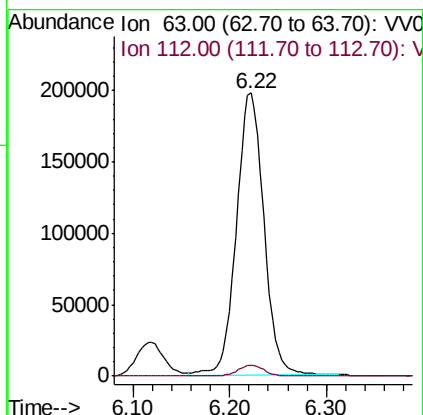
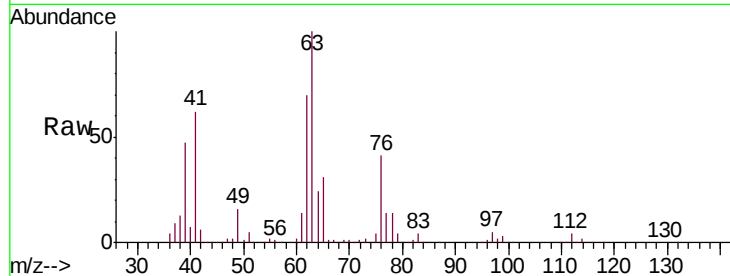




#40
 1,2-Dichloropropane
 Concen: 123.342 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

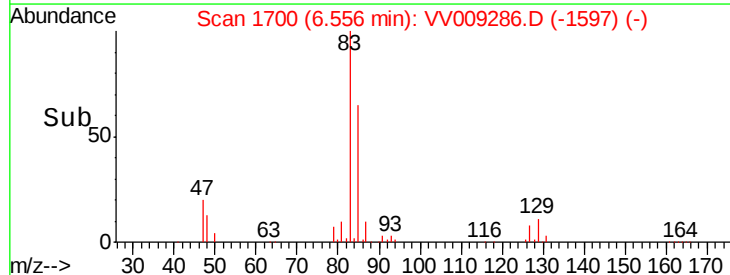
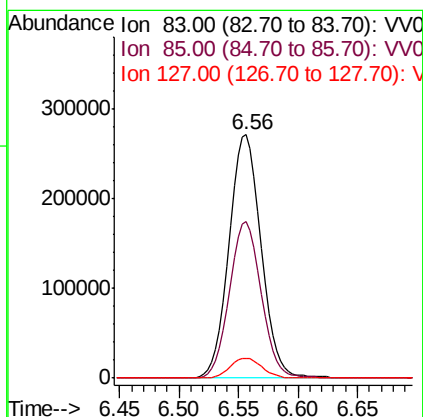
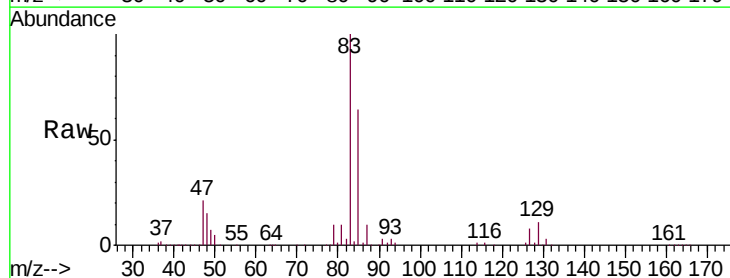
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

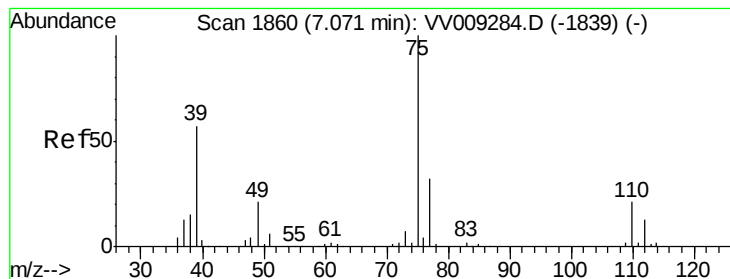
Tgt Ion: 63 Resp: 390041
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#41
 Bromodichloromethane
 Concen: 119.309 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Tgt Ion: 83 Resp: 506701
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.5 80.7
 127 8.2 6.9 10.3



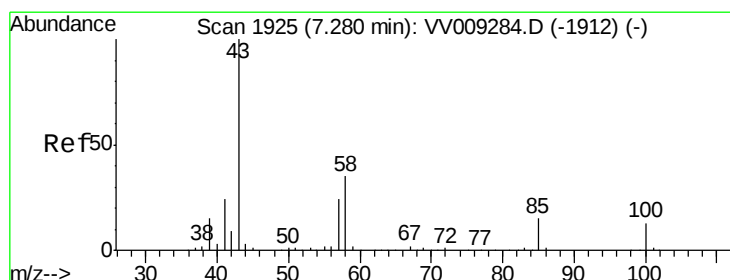
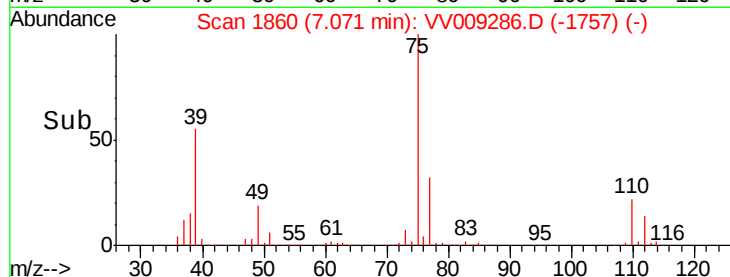
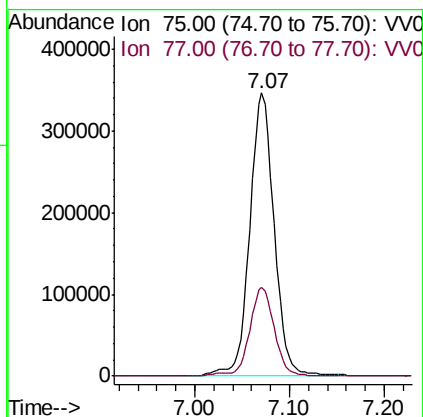
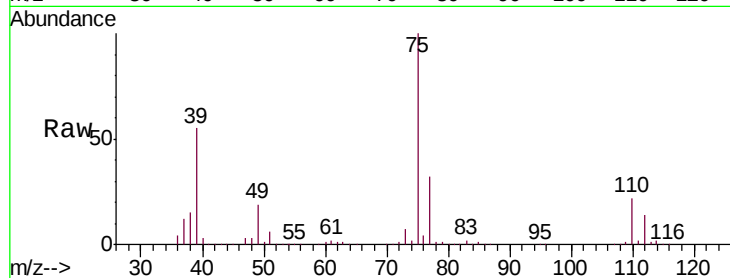


#42

cis-1,3-Dichloropropene
Concen: 129.616 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

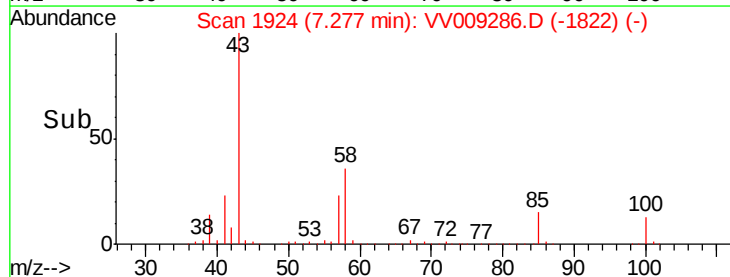
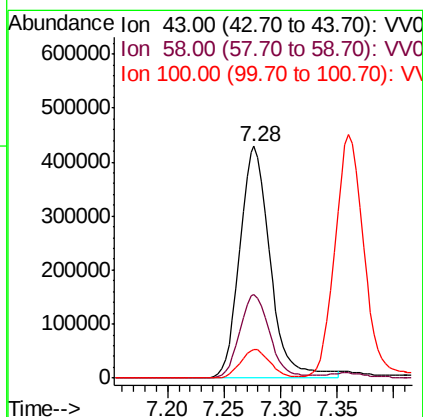
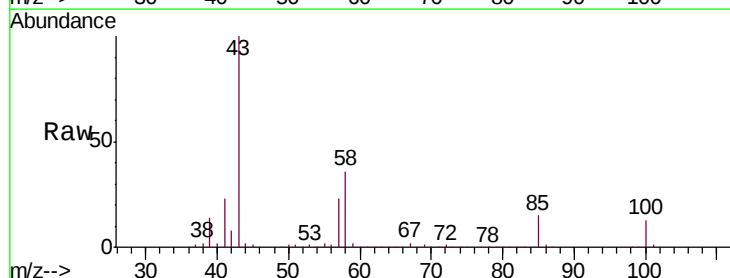
Tgt Ion: 75 Resp: 622197
Ion Ratio Lower Upper
75 100
77 31.5 22.3 41.5

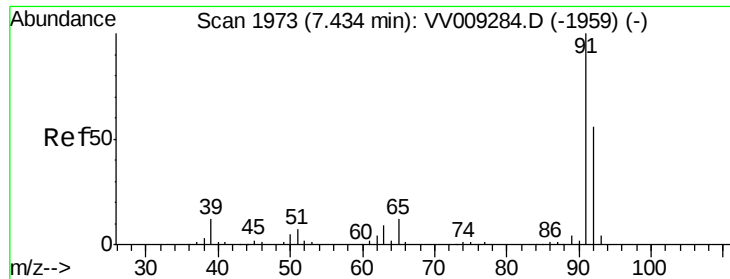


#43

4-Methyl-2-pentanone
Concen: 301.827 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

Tgt Ion: 43 Resp: 807463
Ion Ratio Lower Upper
43 100
58 35.9 28.0 42.0
100 12.2 9.7 14.5





#44

Toluene

Concen: 118.931 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

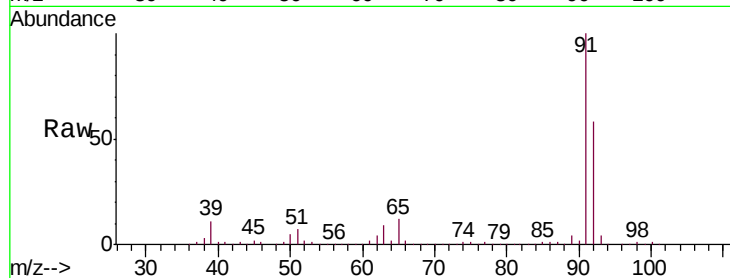
VSTD10065

Tgt Ion: 91 Resp: 1611267

Ion Ratio Lower Upper

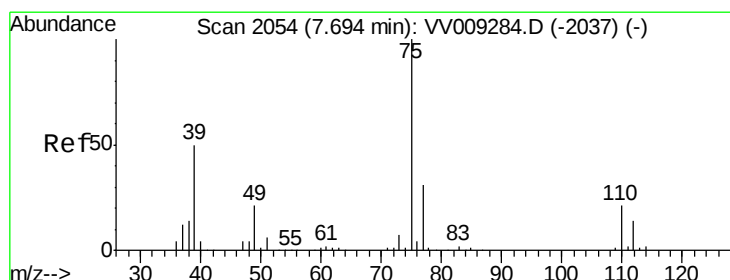
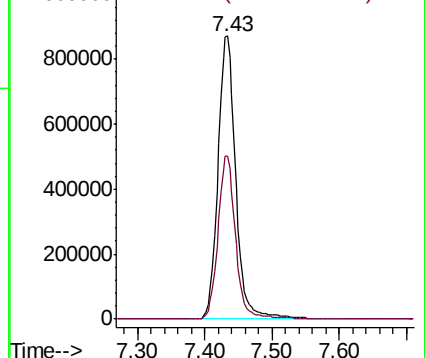
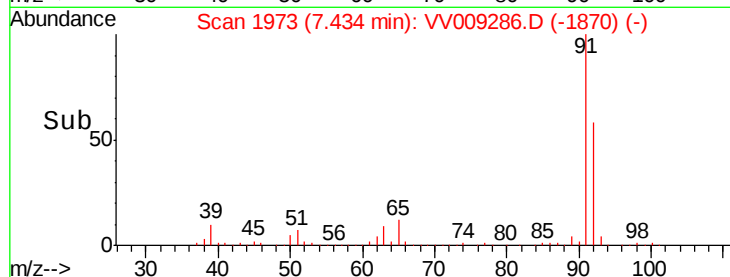
91 100

92 57.6 39.1 72.5



Abundance Ion 91.00 (90.70 to 91.70): VV009286.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009286.D (-1959) (-)



#45

trans-1,3-Dichloropropene

Concen: 130.903 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009286.D

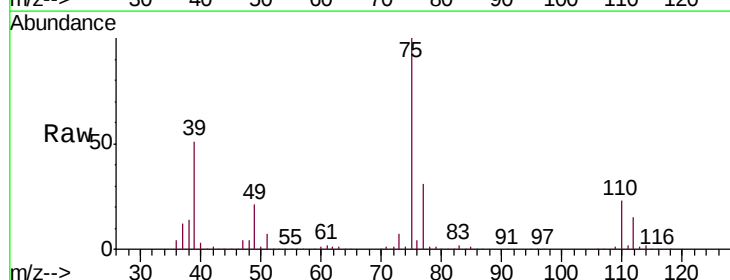
Acq: 12 Feb 2019 14:14

Tgt Ion: 75 Resp: 561617

Ion Ratio Lower Upper

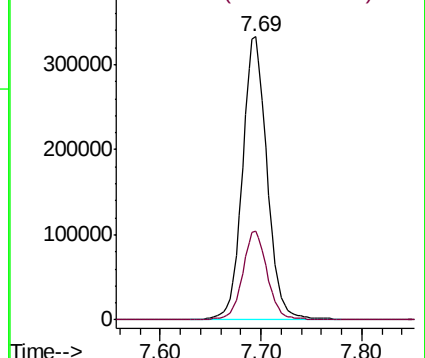
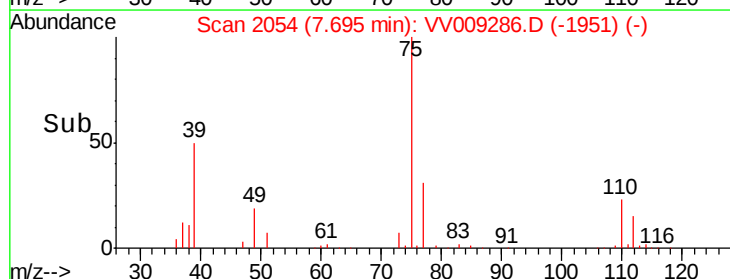
75 100

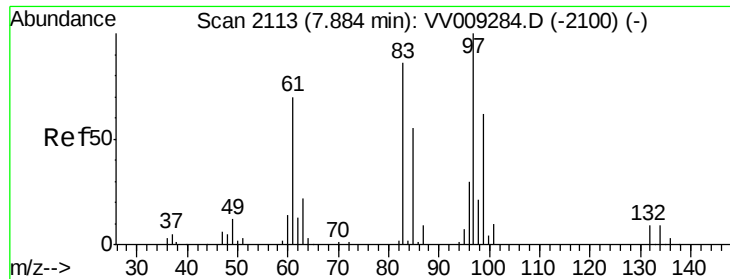
77 31.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV009286.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009286.D (-1951) (-)

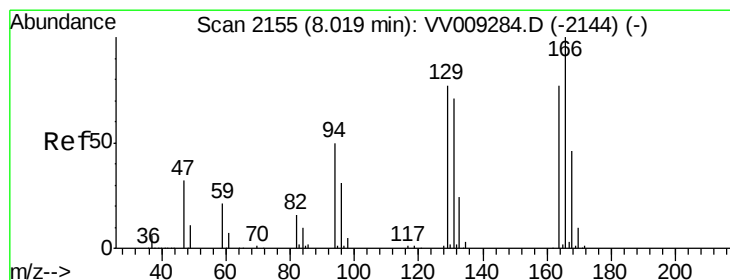
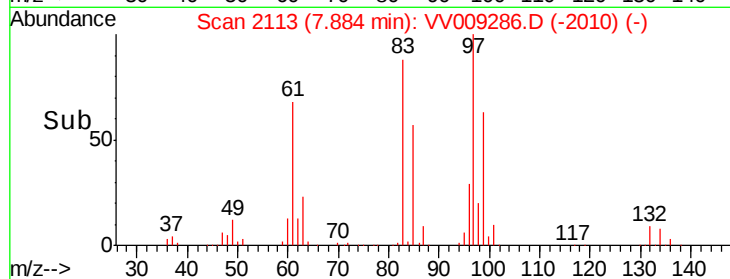
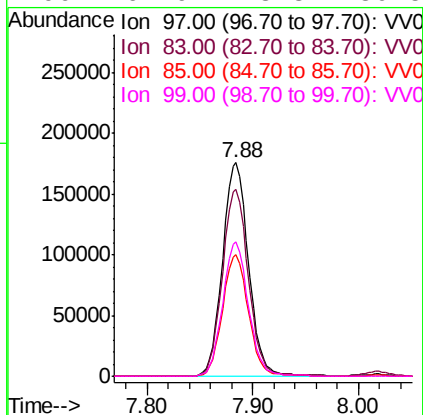
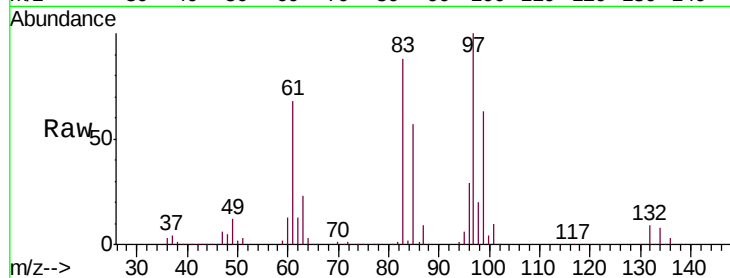




#46
 1,1,2-Trichloroethane
 Concen: 112.294 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

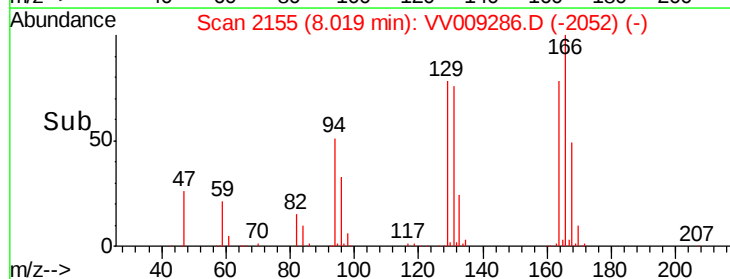
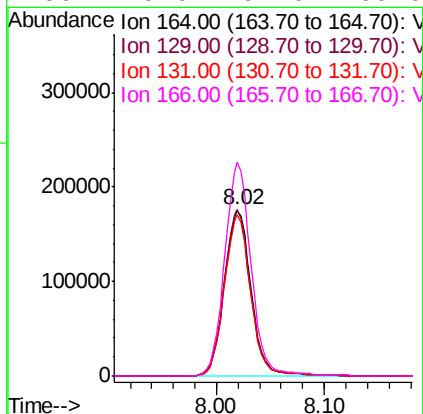
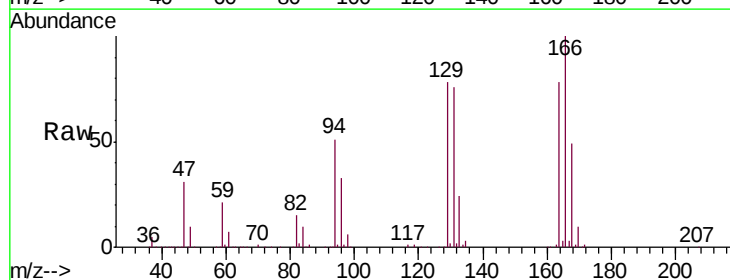
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

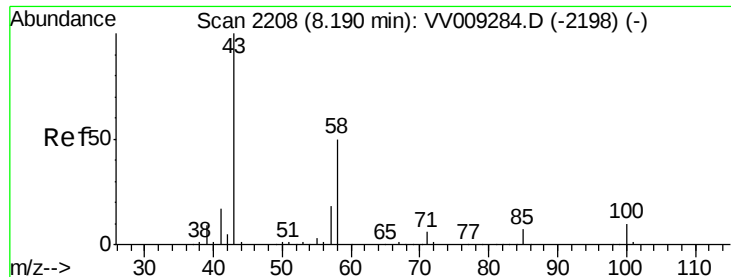
Tgt Ion:	97	Resp:	299886
Ion	Ratio	Lower	Upper
97	100		
83	87.7	60.0	111.4
85	56.7	38.9	72.3
99	62.9	43.3	80.5



#47
 Tetrachloroethene
 Concen: 101.782 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Tgt Ion:	164	Resp:	303643
Ion	Ratio	Lower	Upper
164	100		
129	100.6	69.9	129.9
131	97.6	65.0	120.8
166	129.0	91.0	169.0

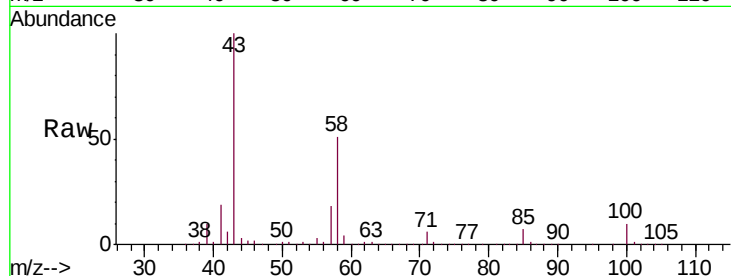




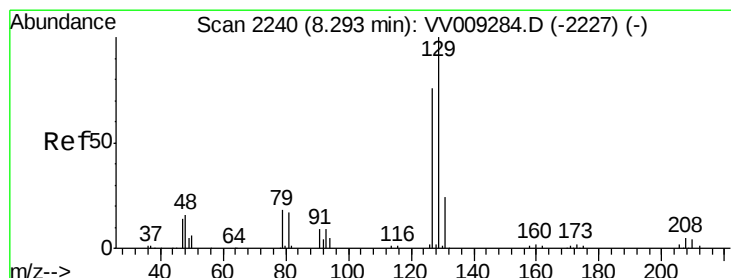
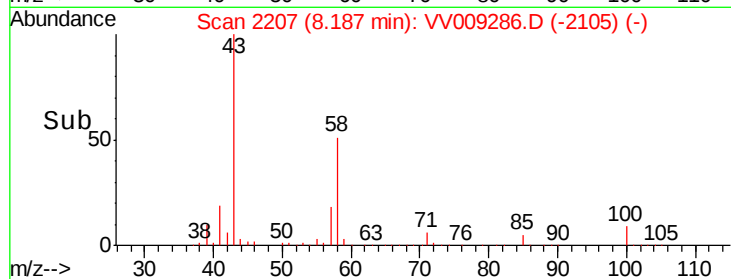
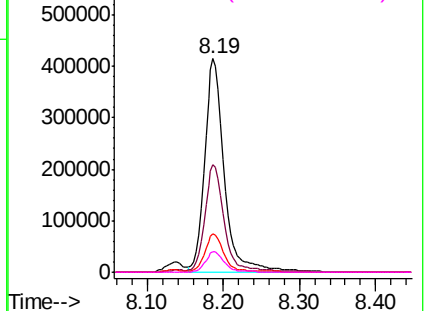
#49
2-Hexanone
Concen: 340.297 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 43 Resp: 746839
Ion Ratio Lower Upper
43 100
58 48.8 37.4 56.2
57 18.1 13.0 19.6
100 9.6 7.5 11.3

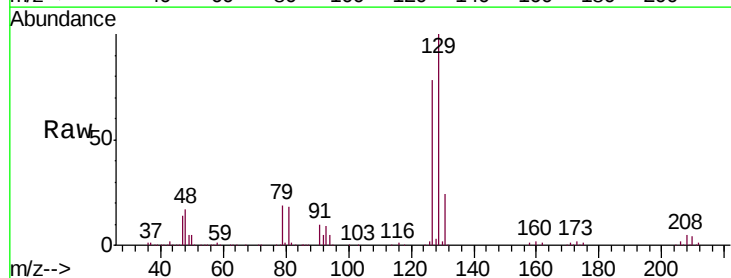


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

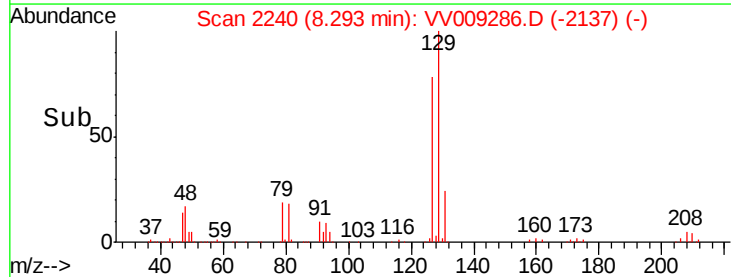
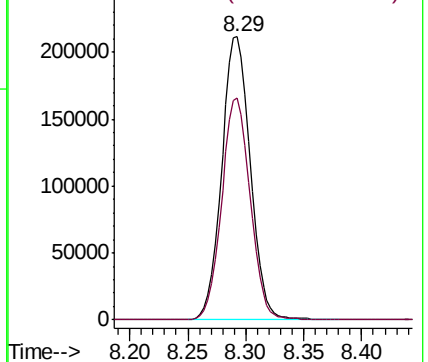


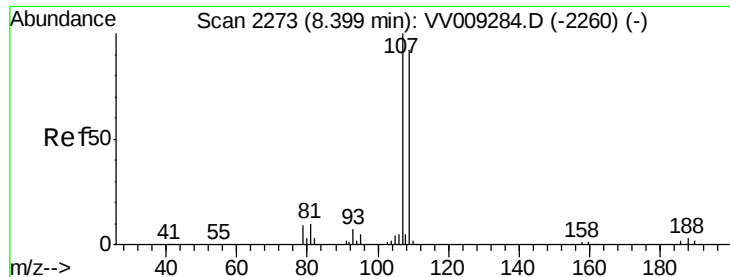
#50
Dibromochloromethane
Concen: 113.325 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

Tgt Ion: 129 Resp: 363338
Ion Ratio Lower Upper
129 100
127 78.4 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 112.091 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

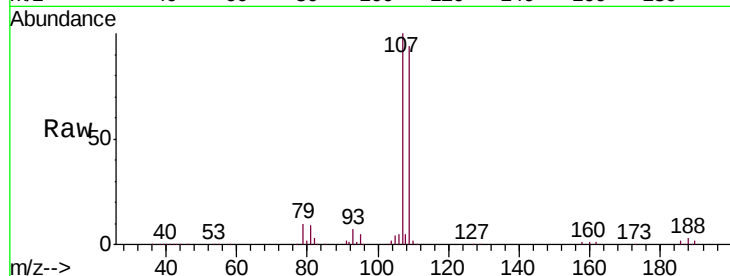
Tgt Ion:107 Resp: 303857

Ion Ratio Lower Upper

107 100

109 94.4 64.2 119.2

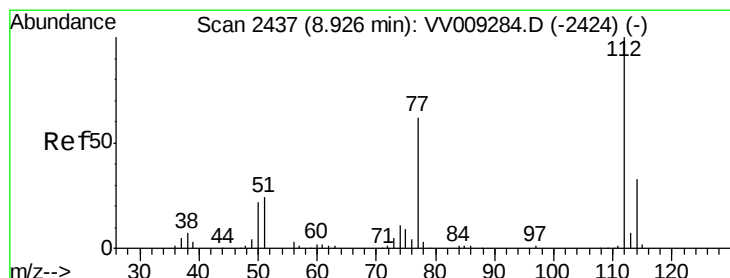
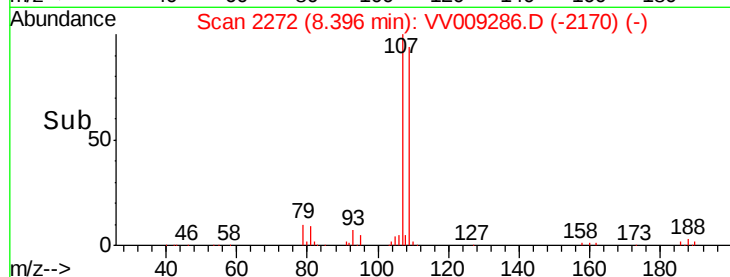
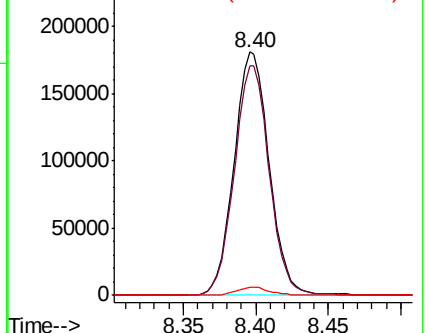
188 3.4 2.6 4.0



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: 109.135 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

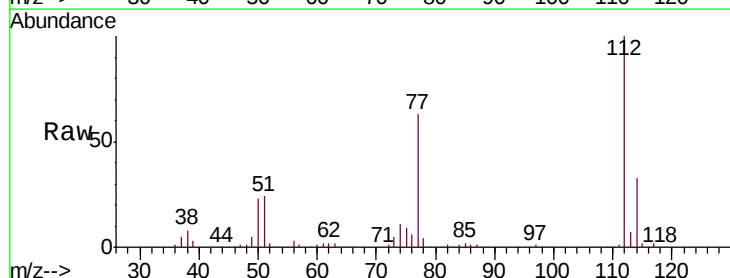
Tgt Ion:112 Resp: 991774

Ion Ratio Lower Upper

112 100

77 62.7 50.2 75.4

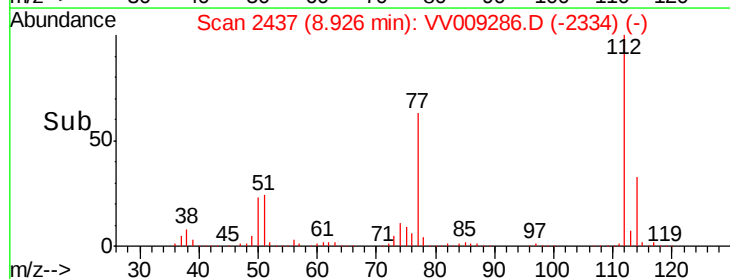
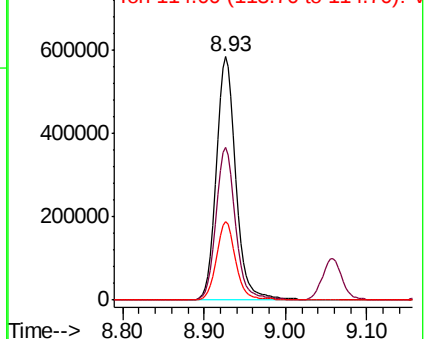
114 32.5 22.9 42.5

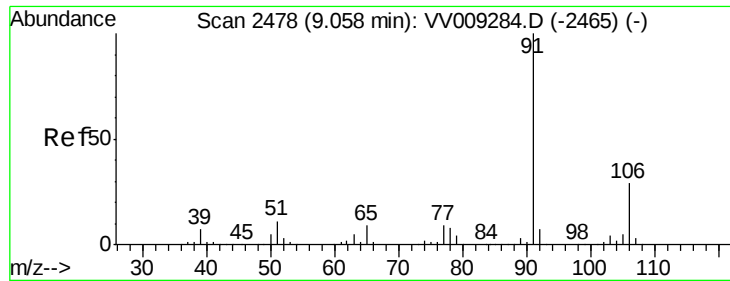


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

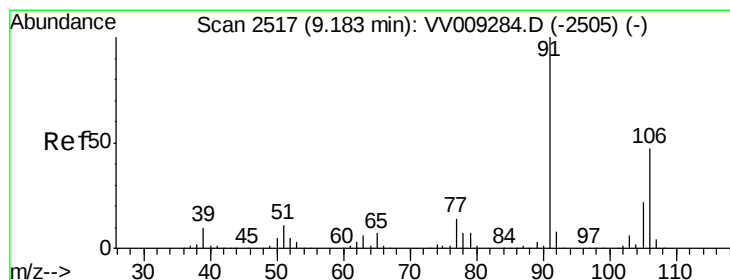
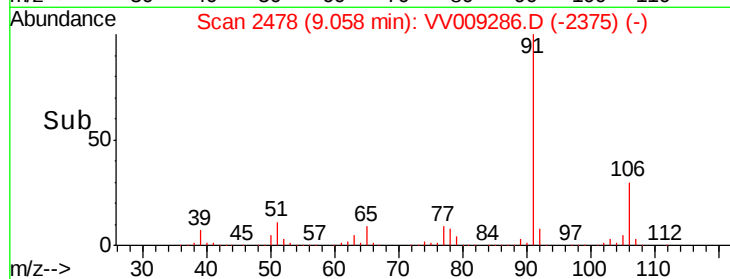
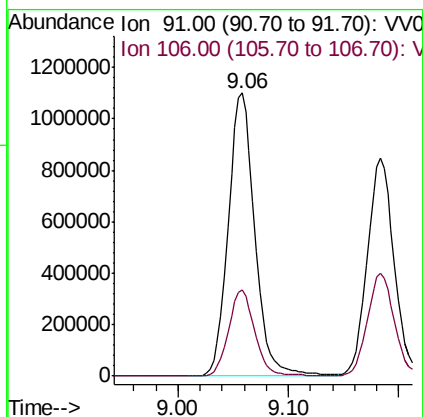
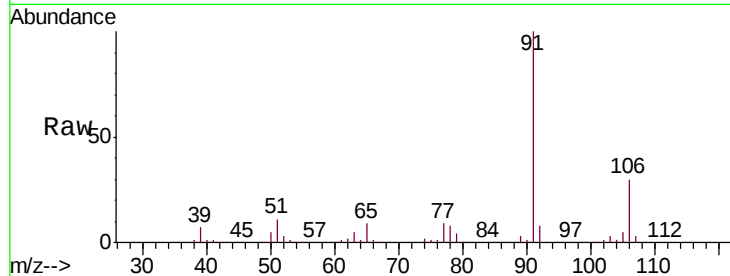




#53
Ethylbenzene
Concen: 121.058 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

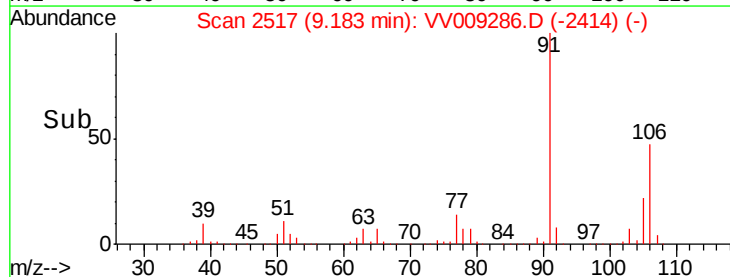
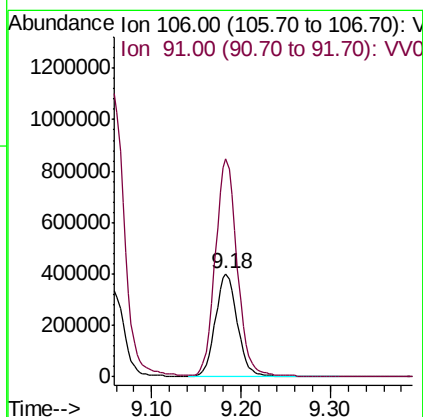
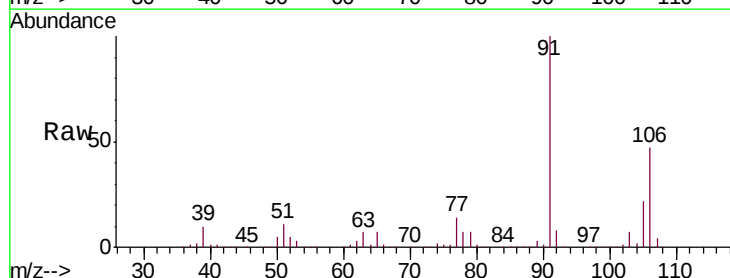
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

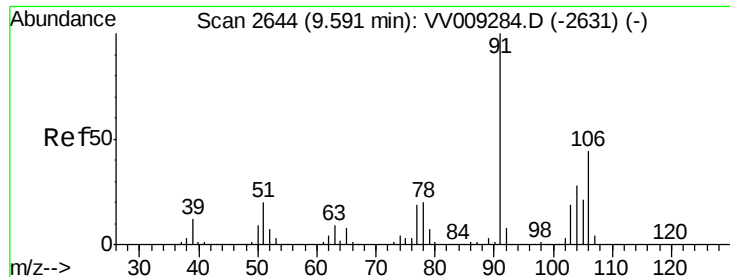
Tgt Ion: 91 Resp: 1842244
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.2



#54
m,p-Xylene
Concen: 119.227 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009286.D
Acq: 12 Feb 2019 14:14

Tgt Ion: 106 Resp: 690700
Ion Ratio Lower Upper
106 100
91 211.4 149.4 277.5





#55

o-xylene

Concen: 119.321 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

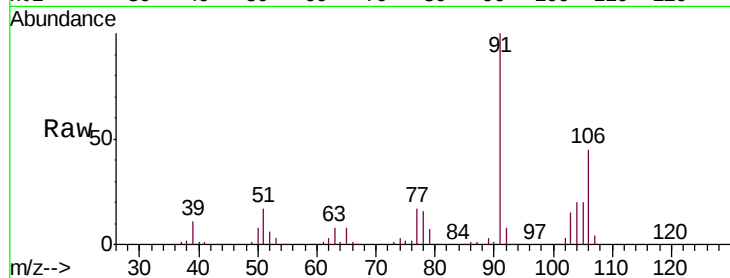
VSTD10065

Tgt Ion:106 Resp: 655369

Ion Ratio Lower Upper

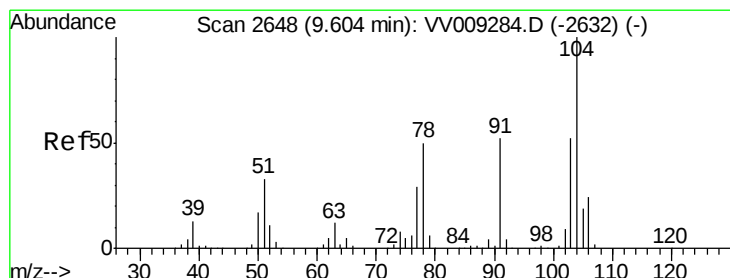
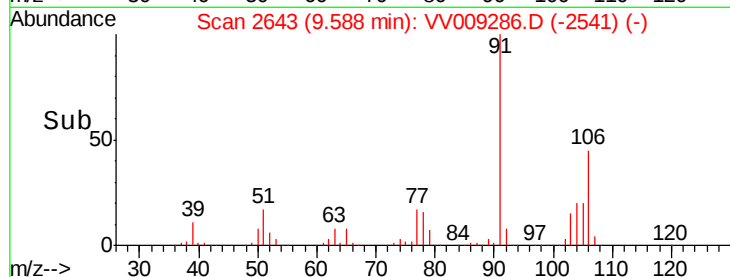
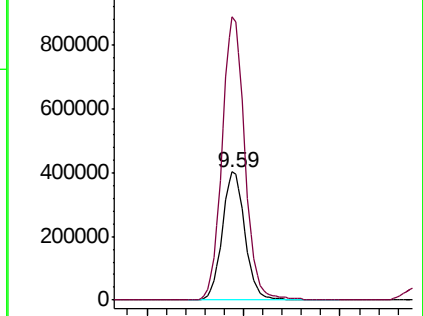
106 100

91 221.2 159.0 295.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 124.004 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009286.D

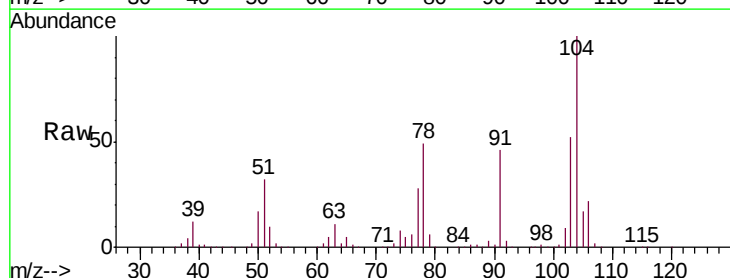
Acq: 12 Feb 2019 14:14

Tgt Ion:104 Resp: 1141870

Ion Ratio Lower Upper

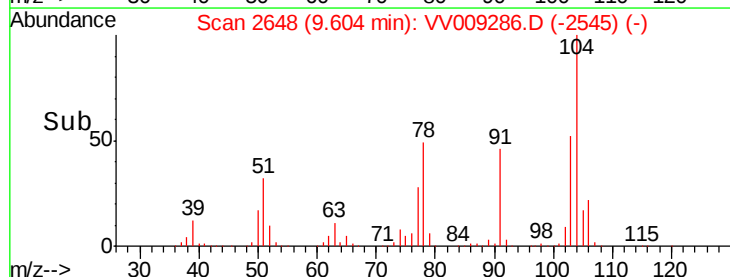
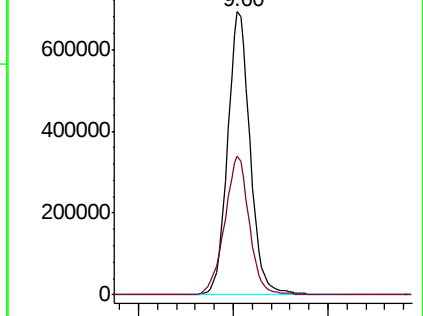
104 100

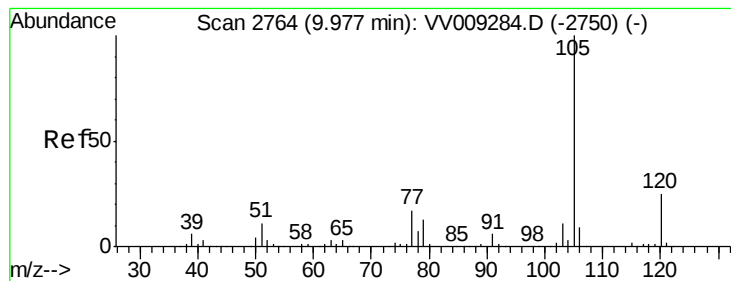
78 48.9 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 121.030 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampled :

VSTD10065

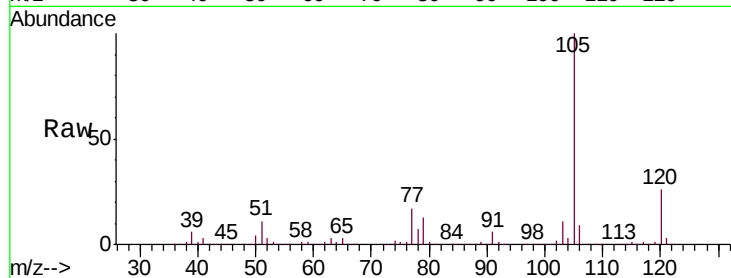
Tgt Ion:105 Resp: 1821884

Ion Ratio Lower Upper

105 100

120 26.0 20.3 30.5

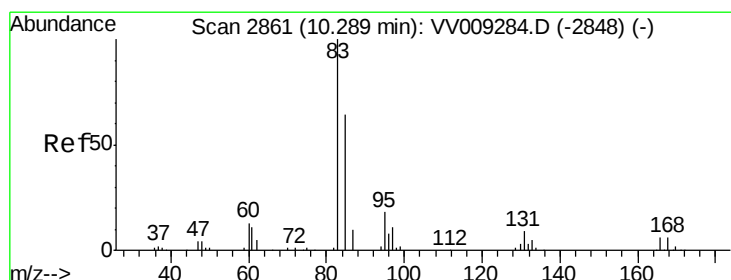
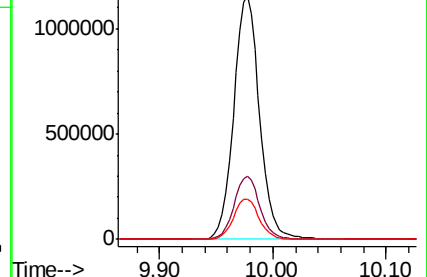
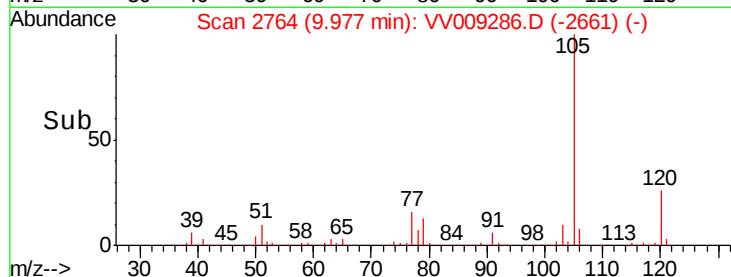
77 16.8 13.4 20.0



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: 131.388 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

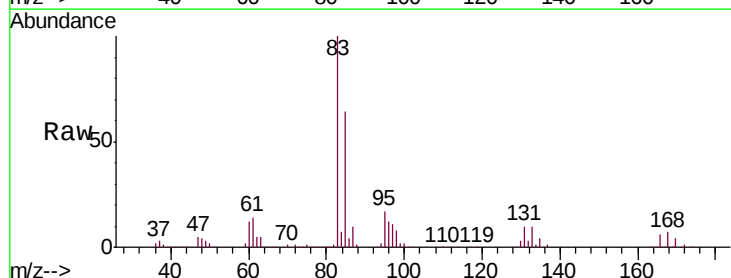
Tgt Ion: 83 Resp: 454920

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

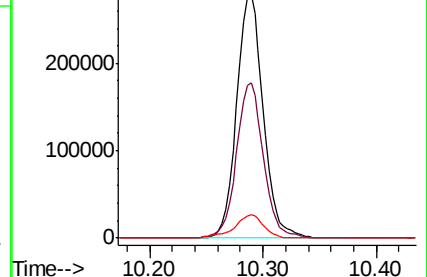
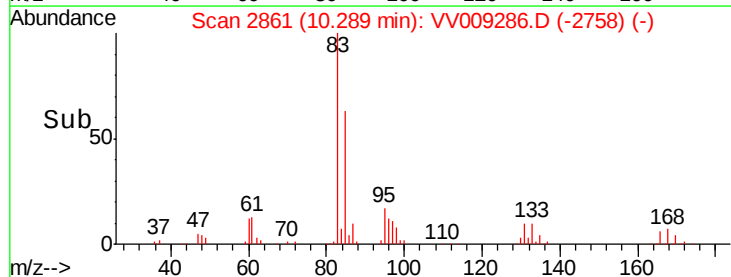
131 9.7 7.9 11.9

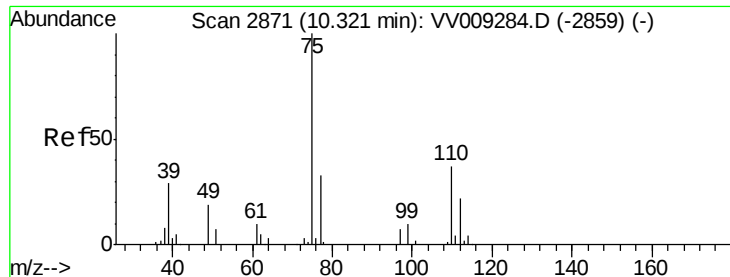


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

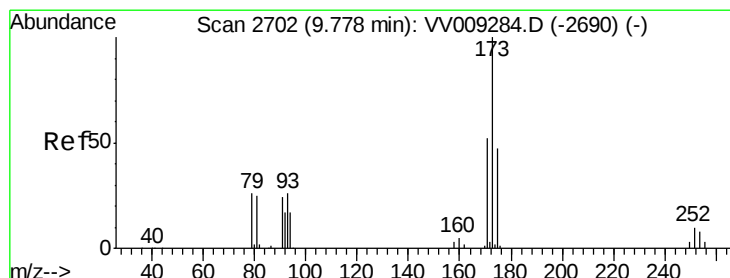
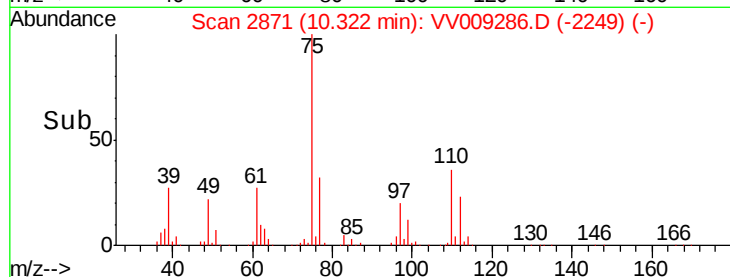
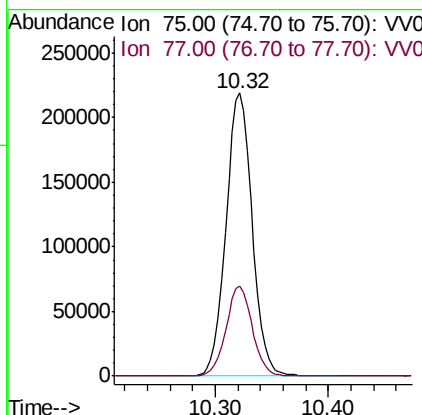
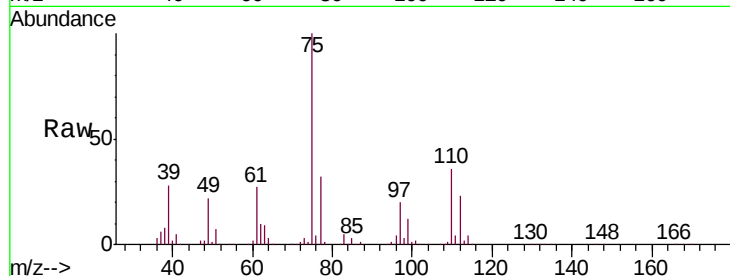




#59
 1,2,3-Trichloropropane
 Concen: 127.630 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

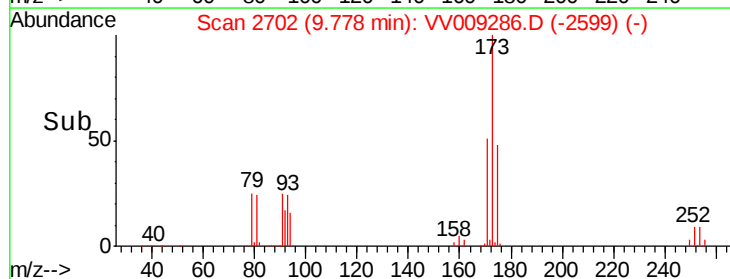
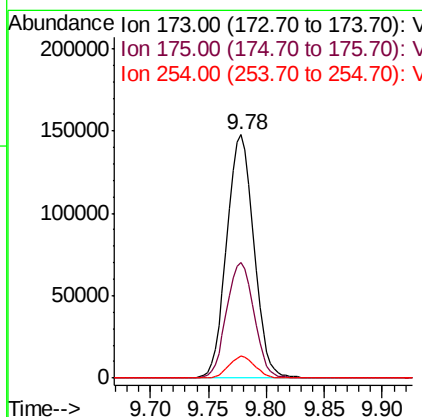
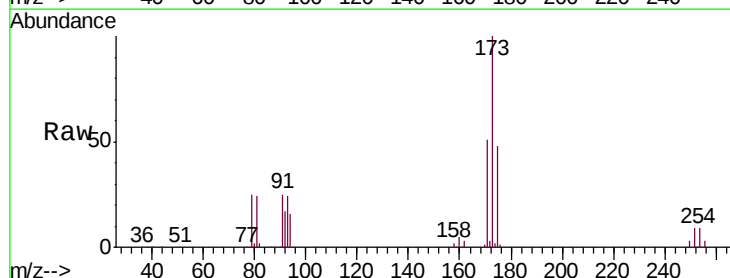
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

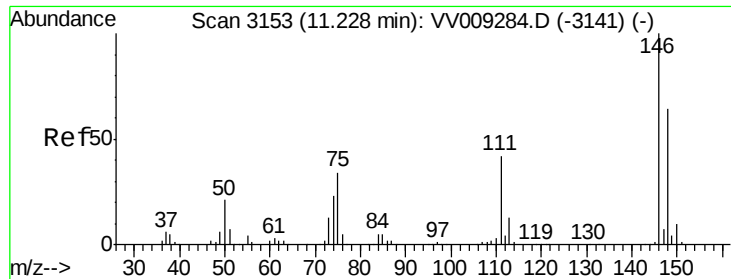
Tgt Ion: 75 Resp: 351537
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4



#62
 Bromoform
 Concen: 115.118 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Tgt Ion: 173 Resp: 238666
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.8 58.2
 254 8.7 7.0 10.4

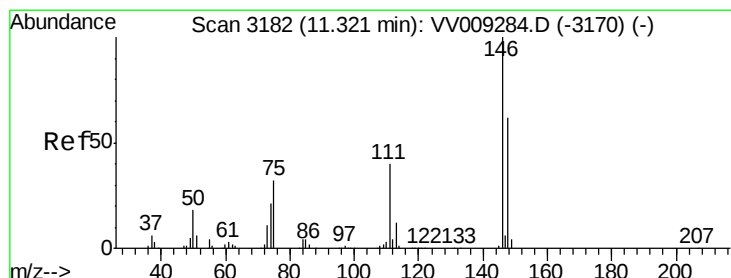
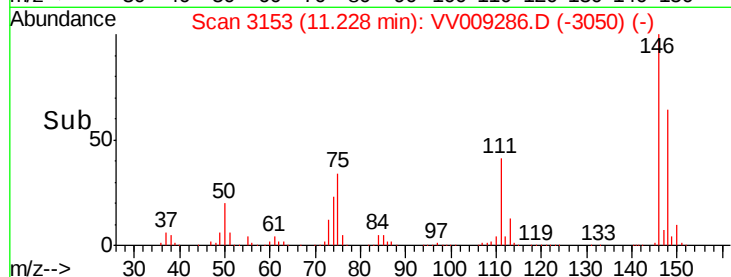
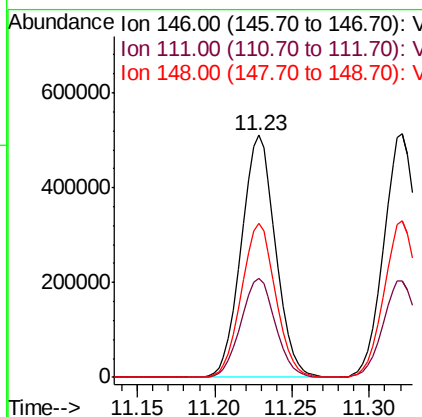
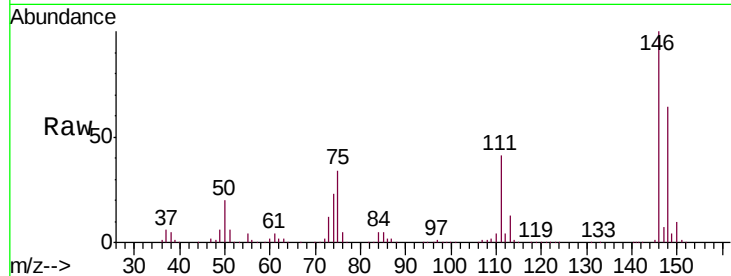




#63
 1,3-Dichlorobenzene
 Concen: 103.974 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

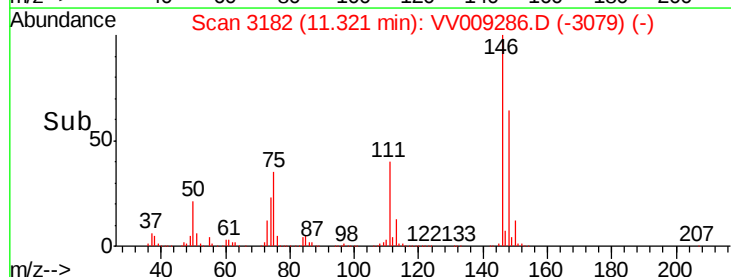
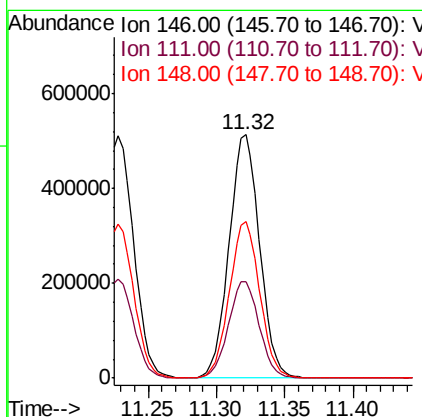
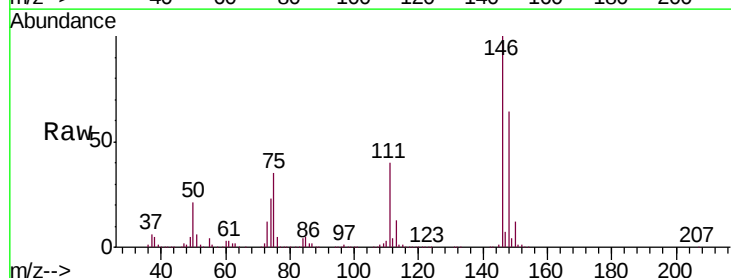
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

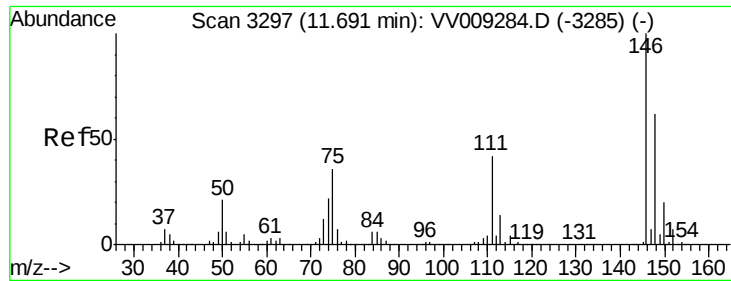
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	29.3	54.5
148	63.7	44.9	83.3



#64
 1,4-Dichlorobenzene
 Concen: 103.608 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009286.D
 Acq: 12 Feb 2019 14:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	28.2	52.4
148	64.2	43.6	81.0





#65

1,2-Dichlorobenzene

Concen: 104.482 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

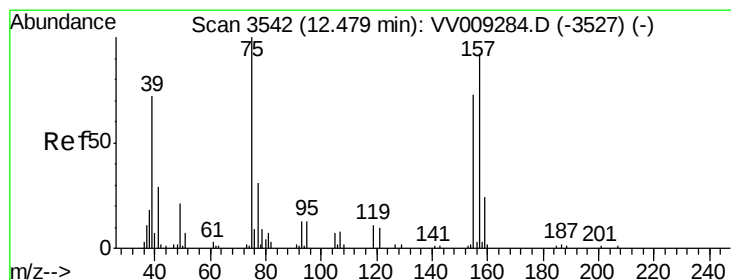
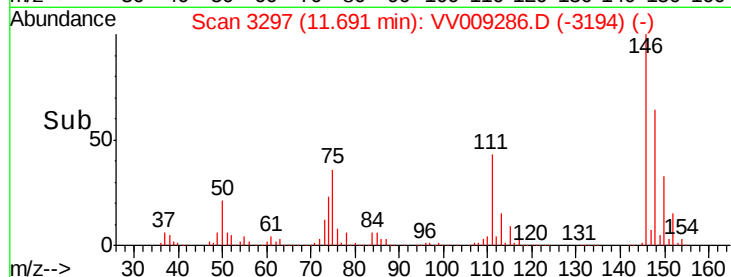
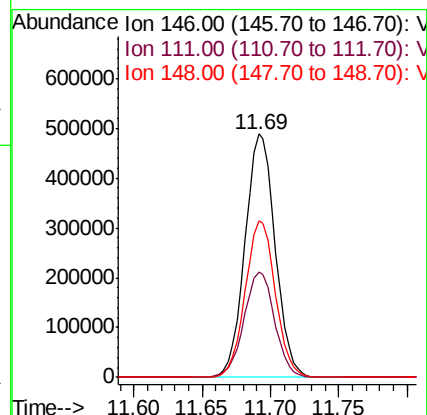
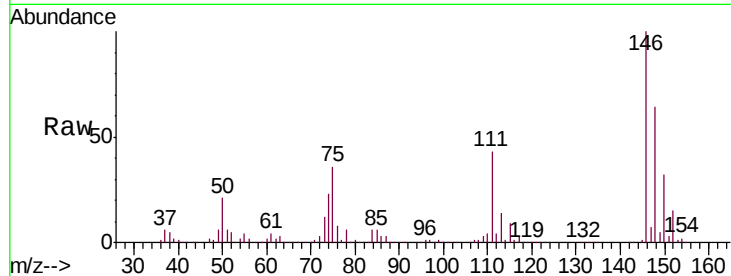
Tgt Ion: 146 Resp: 747930

Ion Ratio Lower Upper

146 100

111 43.3 33.9 50.9

148 64.1 49.9 74.9



#66

1,2-Dibromo-3-chloropropane

Concen: 141.387 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

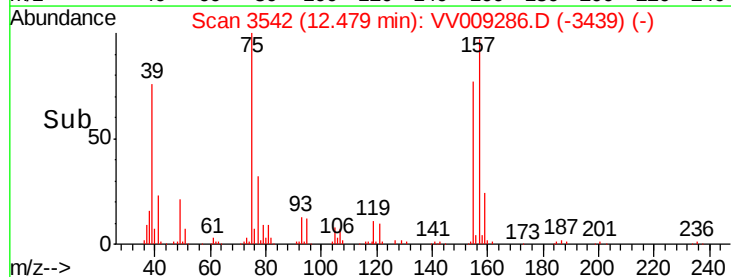
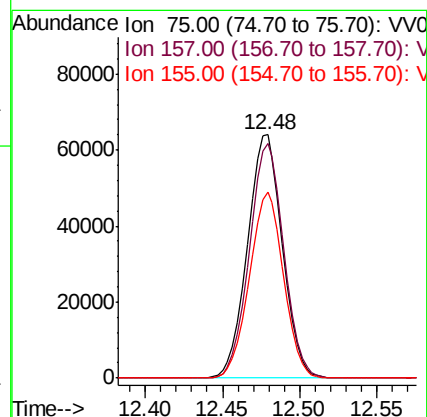
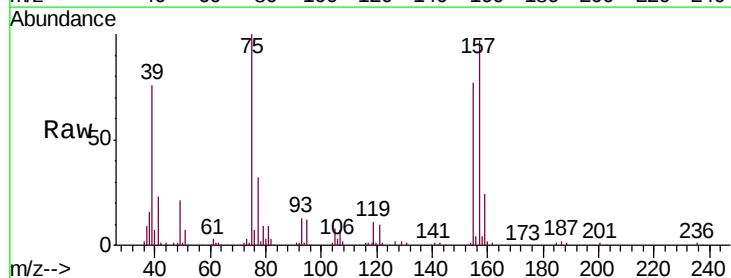
Tgt Ion: 75 Resp: 100764

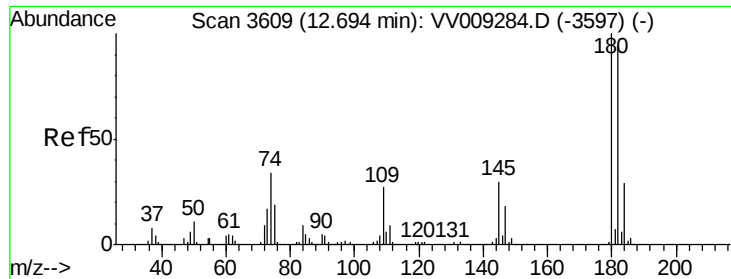
Ion Ratio Lower Upper

75 100

157 96.6 73.5 110.3

155 76.6 58.2 87.4





#67

1,3,5-Trichlorobenzene

Concen: 102.322 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion:180 Resp: 610921

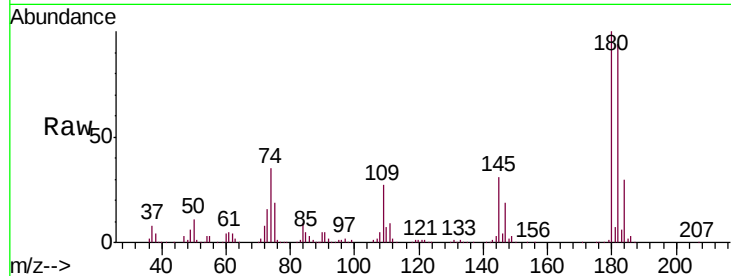
Ion Ratio Lower Upper

180 100

182 95.0 75.7 113.5

184 29.6 23.4 35.2

145 30.5 24.0 36.0

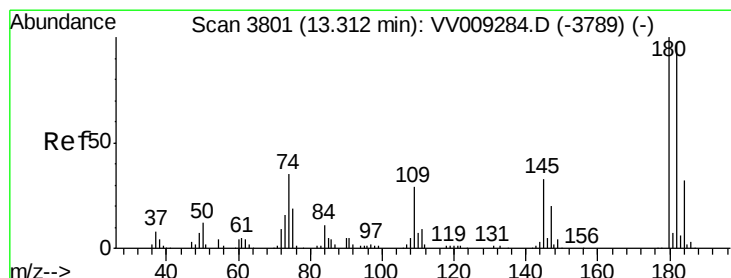
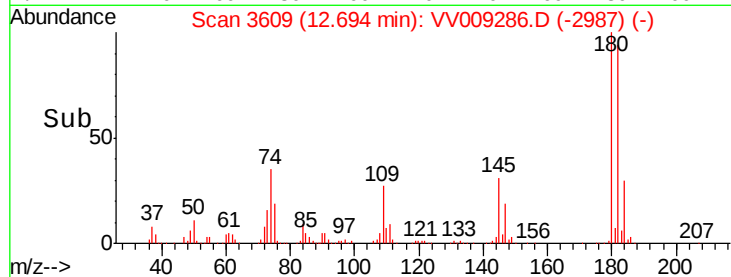
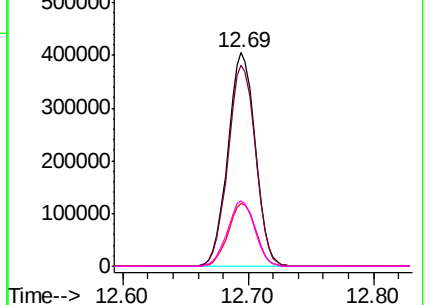


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 109.176 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

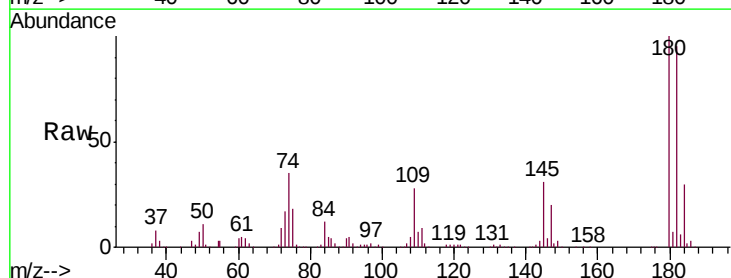
Tgt Ion:180 Resp: 521853

Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

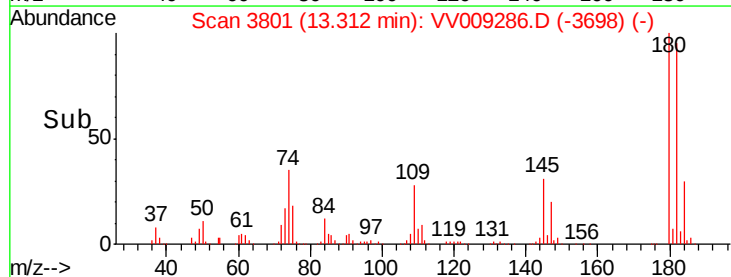
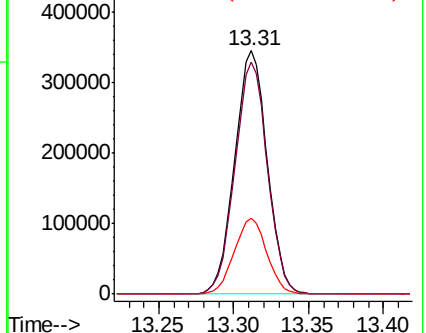
145 31.1 25.8 38.8

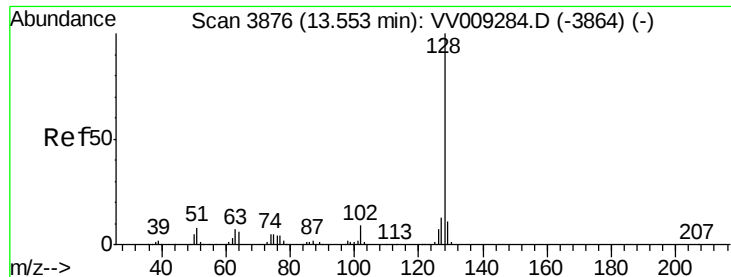


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 129.423 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

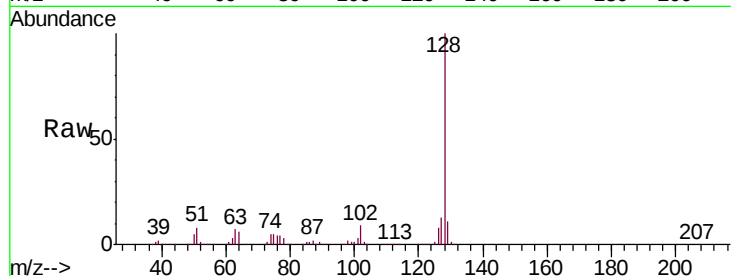
Tgt Ion:128 Resp: 1227741

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

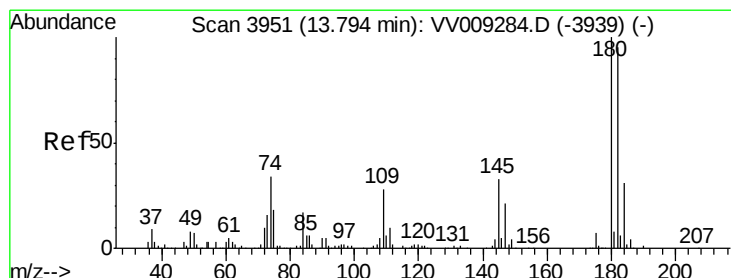
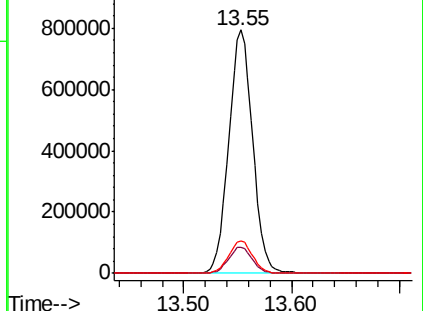
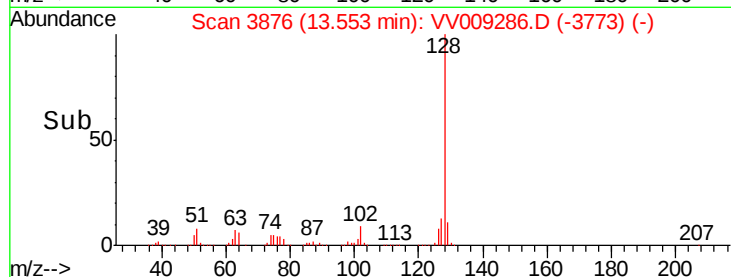
127 13.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 109.817 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009286.D

Acq: 12 Feb 2019 14:14

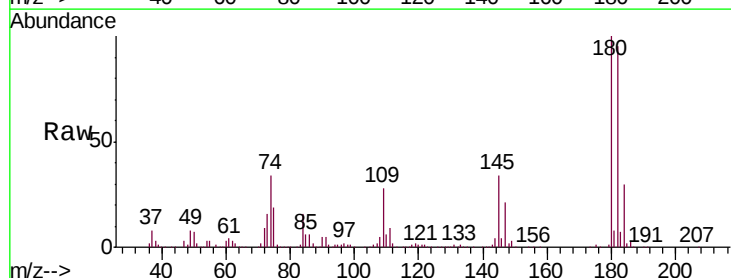
Tgt Ion:180 Resp: 484026

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 33.6 27.0 40.4



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

