

Data File : VV009294.D
Acq On : 13 Feb 2019 14:44
Operator : SY/MD
Sample : VSTD10065
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Feb 13 15:04:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 14:20:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	308828	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	307901	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	160038	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	439018	83.16	ug/L	0.00
7) Chloroethane-d5	1.56	69	342983	101.93	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	882351	81.31	ug/L	0.00
20) 2-Butanone-d5	3.93	46	387689	163.91	ug/L	0.00
24) Chloroform-d	4.40	84	897112	94.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	541879	96.43	ug/L	0.00
29) Benzene-d6	5.10	84	1770507	92.60	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	556398	93.61	ug/L	0.00
37) Toluene-d8	7.36	98	1708794	98.55	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	279710	105.74	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	281837	195.44	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	561556	95.68	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	619379	98.60	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	415037	72.397	ug/L	99
3) Chloromethane	1.25	50	481693	77.962	ug/L	100
5) Vinyl chloride	1.32	62	471530	76.505	ug/L	97
6) Bromomethane	1.51	94	195308	66.386	ug/L	97
8) Chloroethane	1.58	64	279159	84.652	ug/L	97
9) Trichlorofluoromethane	1.76	101	681636	79.776	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	383904	77.911	ug/L	98
12) 1,1-Dichloroethene	2.14	96	340187	75.689	ug/L	88
13) Acetone	2.19	43	424517	126.447	ug/L	100
14) Carbon disulfide	2.31	76	1370197	79.635	ug/L	100
15) Methyl Acetate	2.46	43	302574	74.336	ug/L	99
16) Methylene chloride	2.53	84	443322	68.290	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	1132922	93.376	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	420717	82.274	ug/L	100
19) 1,1-Dichloroethane	3.23	63	831372	85.405	ug/L	97
21) 2-Butanone	4.01	43	497242	146.006	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	471260	89.722	ug/L	98
23) Bromochloromethane	4.30	128	206707	87.721	ug/L	95
25) Chloroform	4.43	83	842727	87.569	ug/L	100
27) 1,2-Dichloroethane	5.18	62	624299	90.392	ug/L	100
30) Cyclohexane	4.73	56	806360	82.682	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	723661	80.909	ug/L	98
32) Carbon tetrachloride	4.88	117	633648	80.131	ug/L	99
34) Benzene	5.15	78	1783524	84.545	ug/L	100
35) Trichloroethene	5.96	95	475304	83.087	ug/L	98
36) Methylcyclohexane	6.18	83	798856	83.554	ug/L	98
40) 1,2-Dichloropropane	6.22	63	481857	86.723	ug/L	100
41) Bromodichloromethane	6.56	83	628181	87.463	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	775161	95.545	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	848804	159.712	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Feb 13 14:20:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1978963	89.408	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	698041	96.552	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	367393	86.881	ug/L	98
47) Tetrachloroethene	8.02	164	357776	82.952	ug/L	99
49) 2-Hexanone	8.18	43	739138	162.187	ug/L	99
50) Dibromochloromethane	8.29	129	454402	93.584	ug/L	96
51) 1,2-Dibromoethane	8.40	107	368587	86.954	ug/L	99
52) Chlorobenzene	8.93	112	1245151	89.035	ug/L	98
53) Ethylbenzene	9.06	91	2256873	92.031	ug/L	98
54) m,p-Xylene	9.18	106	856688	94.871	ug/L	99
55) o-xylene	9.59	106	820943	96.082	ug/L	96
56) Styrene	9.61	104	1449822	100.787	ug/L	99
57) Isopropylbenzene	9.98	105	2236358	95.376	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	530759	86.000	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	397462	82.302	ug/L	99
62) Bromoform	9.78	173	290590	91.651	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	991163	87.384	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	1005502	87.715	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	943910	88.882	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	100837	75.149	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	744443	88.394	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	629024	95.861	ug/L	98
69) Naphthalene	13.55	128	1365266	103.168	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	582024	97.603	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

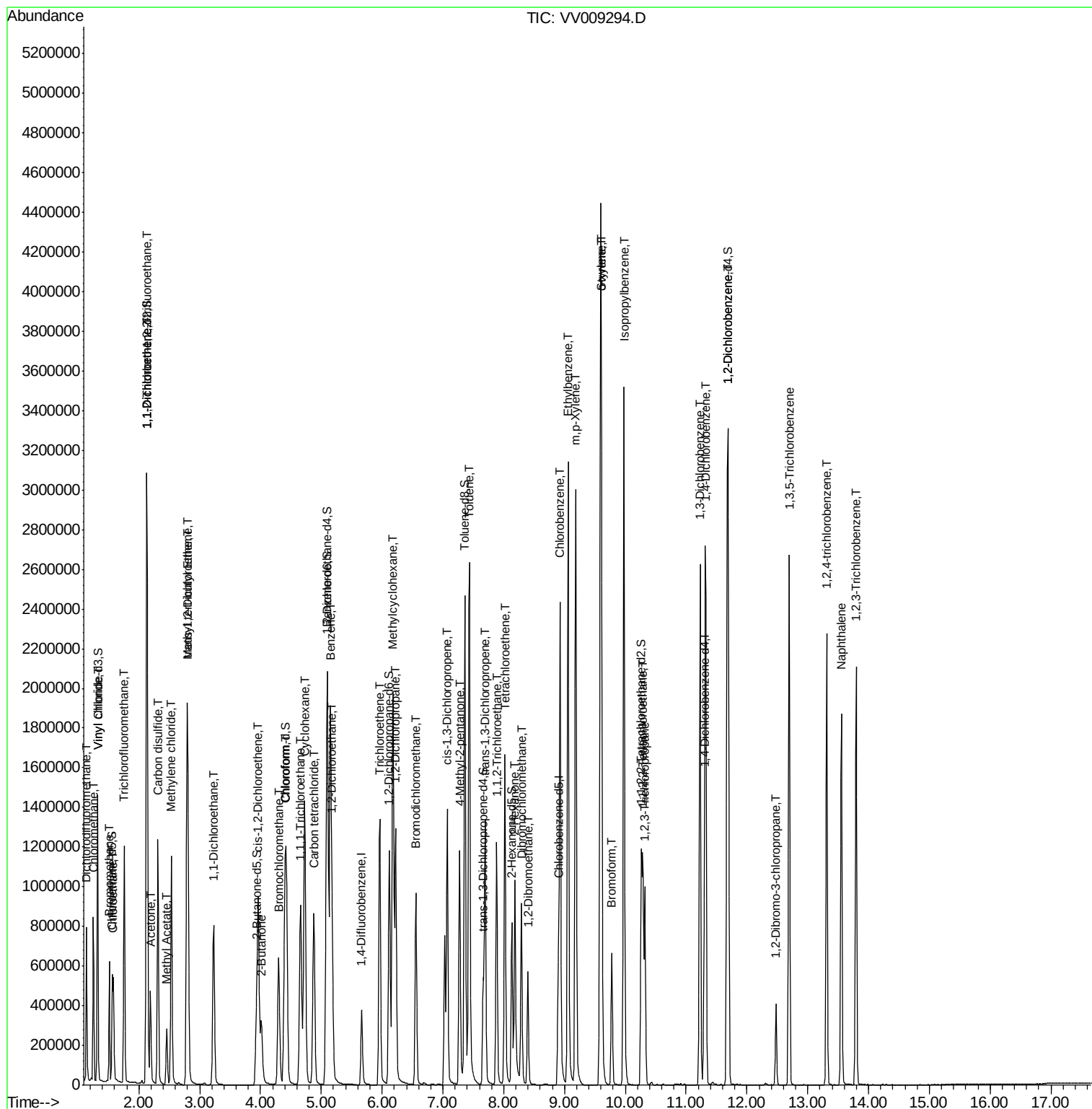
Quant Time: Feb 13 15:04:59 2019

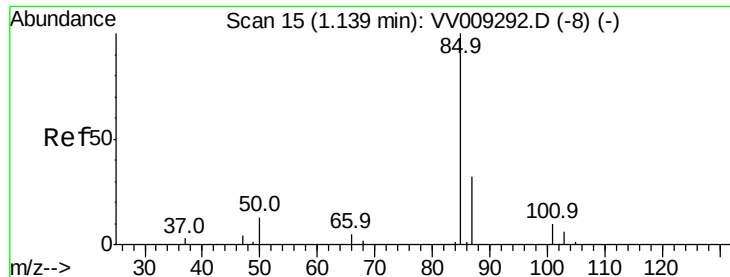
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM021319S.M

Quant Title : VOC Analysis

QLast Update : Wed Feb 13 14:20:21 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 72.397 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

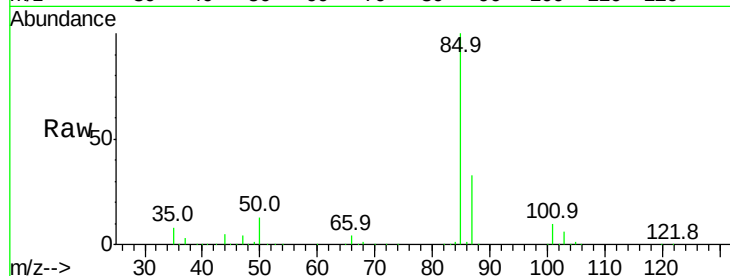
VSTD10065

Tgt Ion: 85 Resp: 415037

Ion Ratio Lower Upper

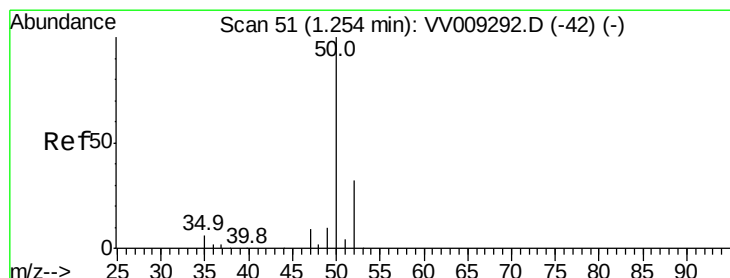
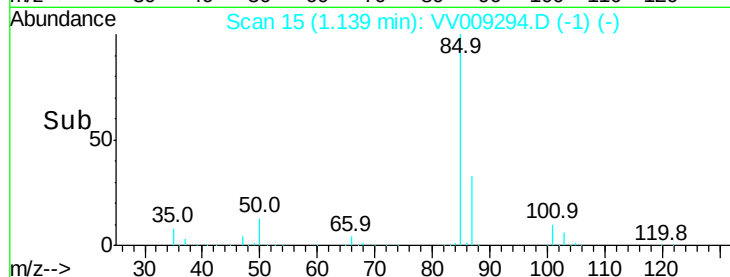
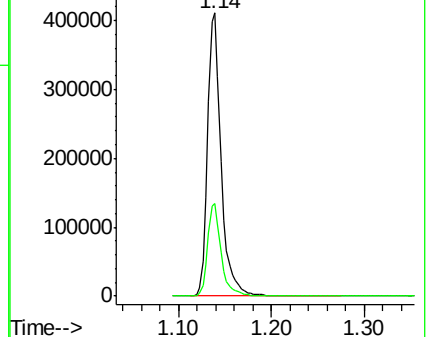
85 100

87 32.5 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV009294.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009294.D (-8) (-)



#3

Chloromethane

Concen: 77.962 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009294.D

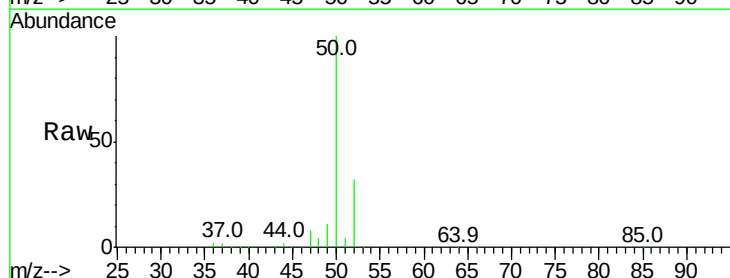
Acq: 13 Feb 2019 14:44

Tgt Ion: 50 Resp: 481693

Ion Ratio Lower Upper

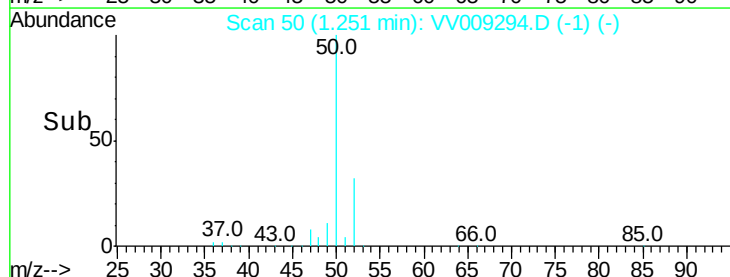
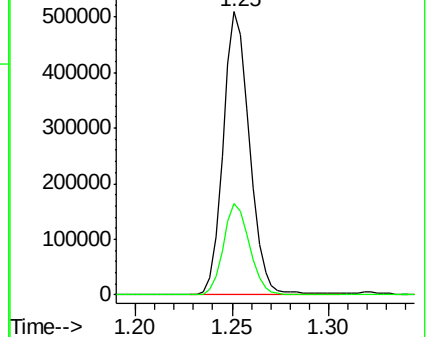
50 100

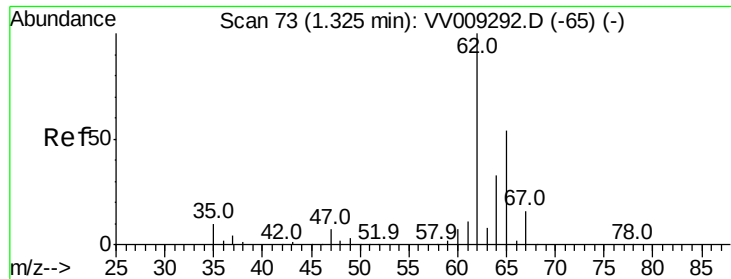
52 32.1 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009294.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV009294.D (-42) (-)





#5

Vinyl chloride

Concen: 76.505 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

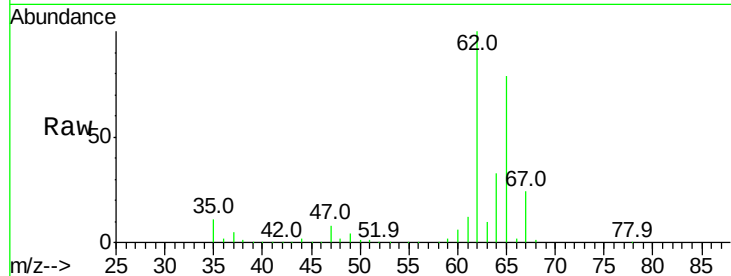
VSTD10065

Tgt Ion: 62 Resp: 471530

Ion Ratio Lower Upper

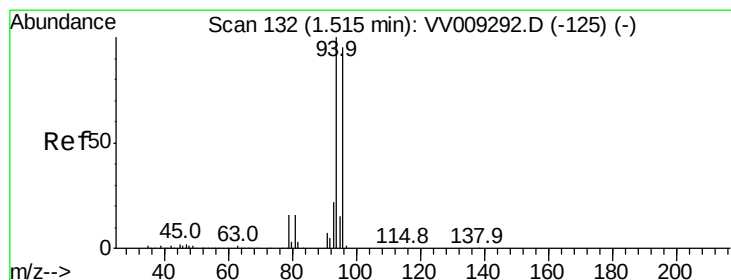
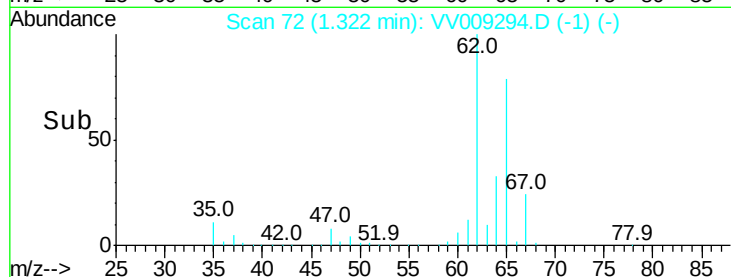
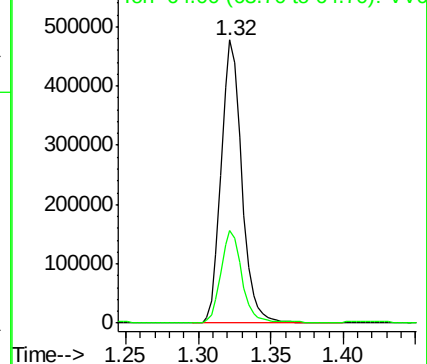
62 100

64 32.9 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 66.386 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV009294.D

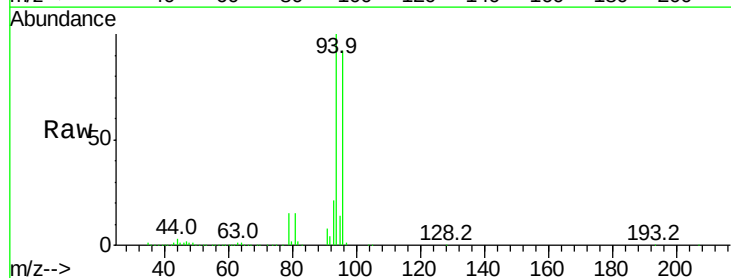
Acq: 13 Feb 2019 14:44

Tgt Ion: 94 Resp: 195308

Ion Ratio Lower Upper

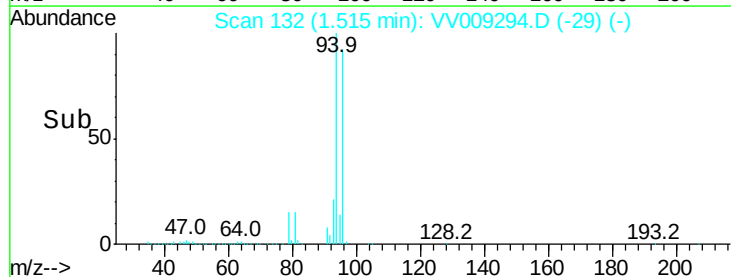
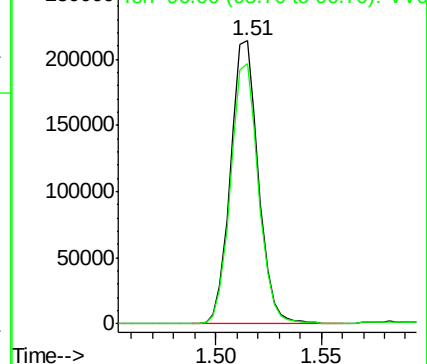
94 100

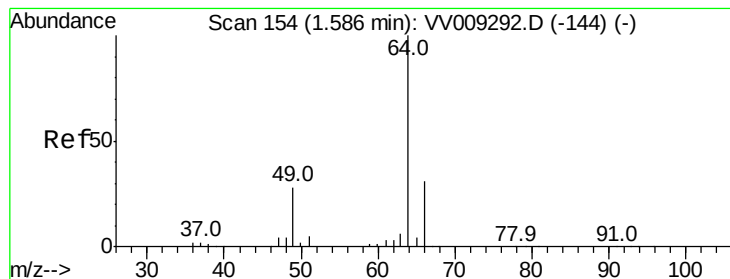
96 92.5 9.6 182.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 84.652 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

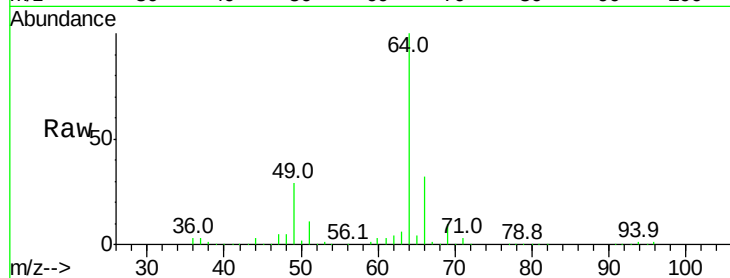
VSTD10065

Tgt Ion: 64 Resp: 279159

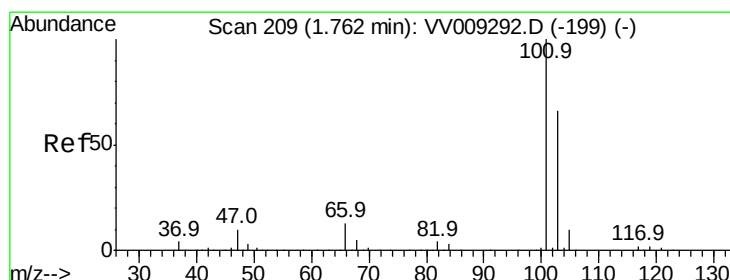
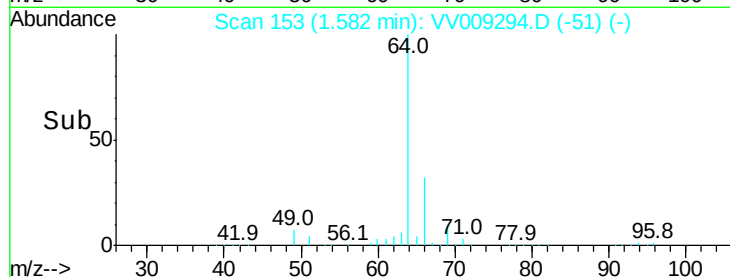
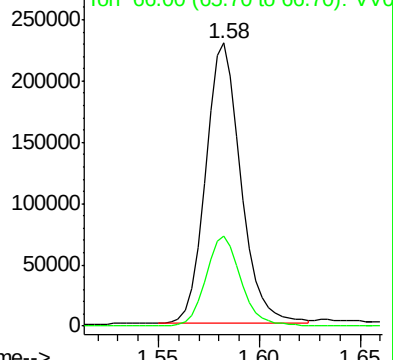
Ion Ratio Lower Upper

64 100

66 31.8 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VV009292.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 79.776 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV009294.D

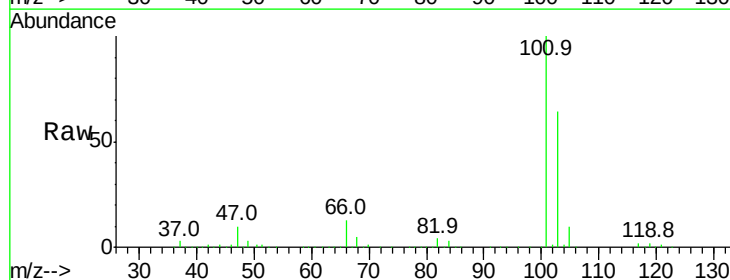
Acq: 13 Feb 2019 14:44

Tgt Ion: 101 Resp: 681636

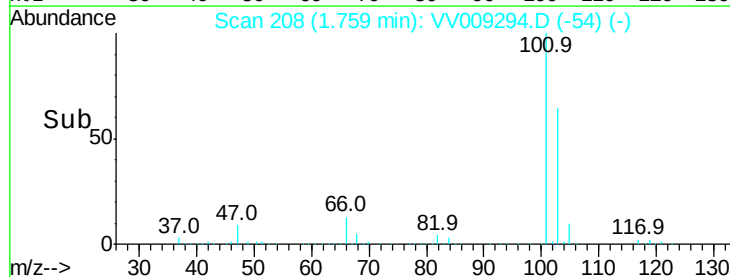
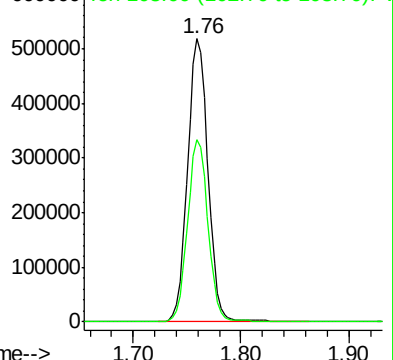
Ion Ratio Lower Upper

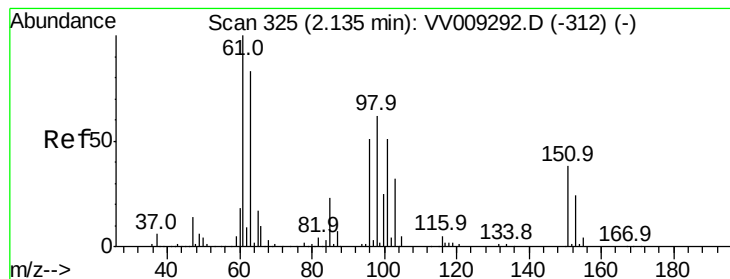
101 100

103 64.3 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): VV009292.D (-199) (-)





#11

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

Concen: 77.911 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

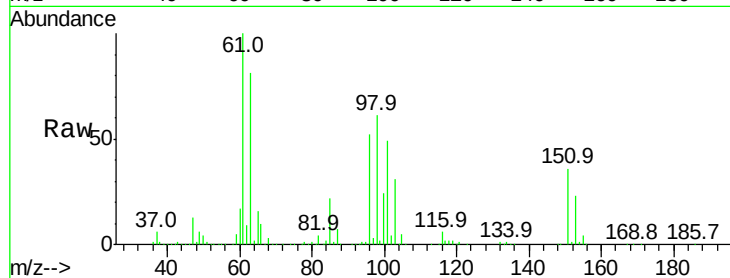
Tgt Ion: 101 Resp: 383904

Ion Ratio Lower Upper

101 100

85 44.8 36.2 54.2

151 73.0 59.9 89.9

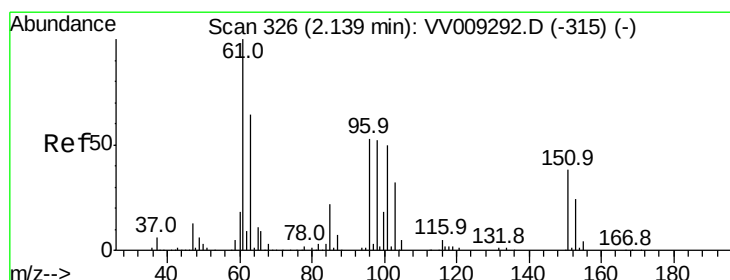
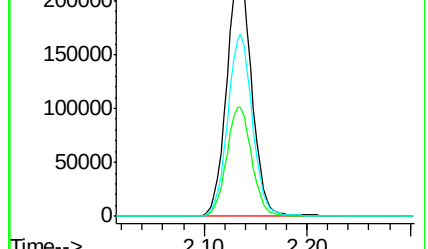
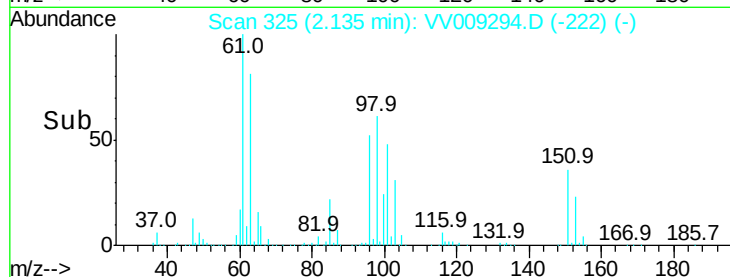


Abundance Ion 101.00 (100.70 to 101.70): VV009294.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009294.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009294.D (-222) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 75.689 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

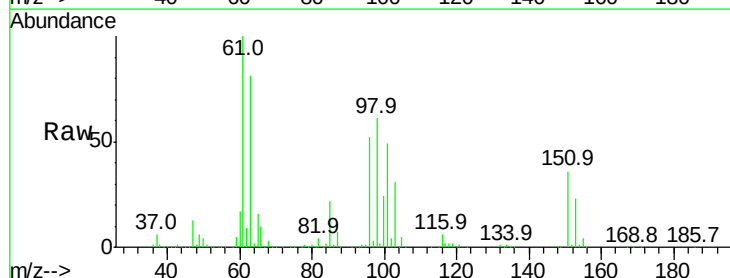
Tgt Ion: 96 Resp: 340187

Ion Ratio Lower Upper

96 100

61 193.2 131.8 244.8

63 156.0 88.8 165.0

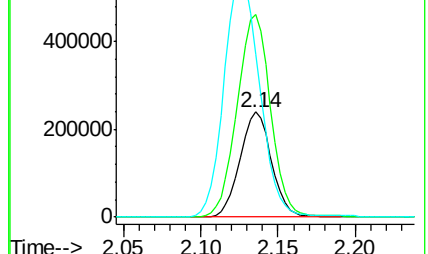
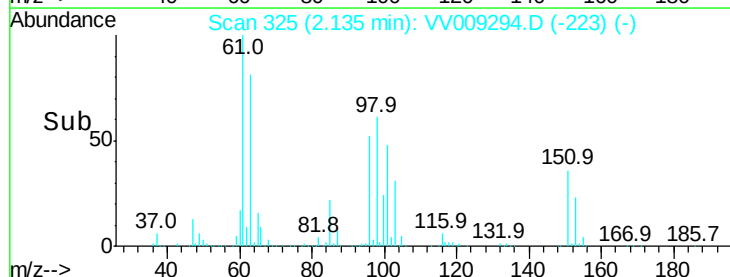


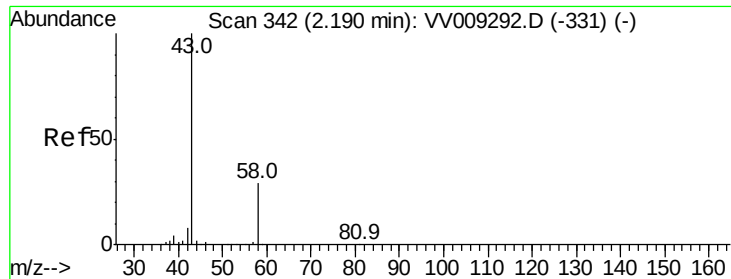
Abundance Ion 96.00 (95.70 to 96.70): VV009294.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009294.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009294.D (-223) (-)

Time-->





#13

Acetone

Concen: 126.447 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

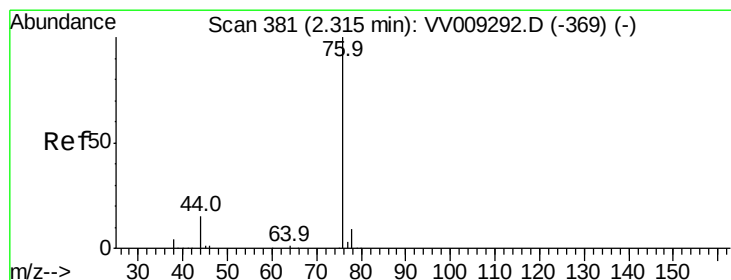
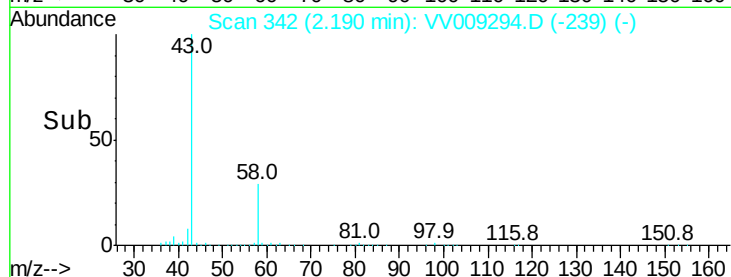
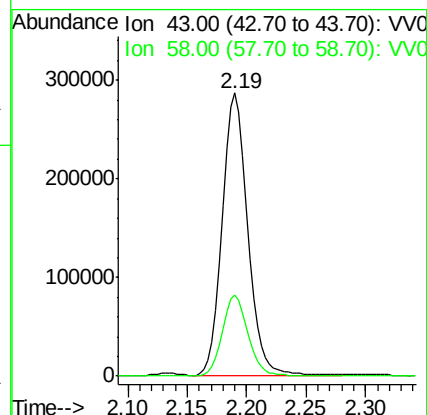
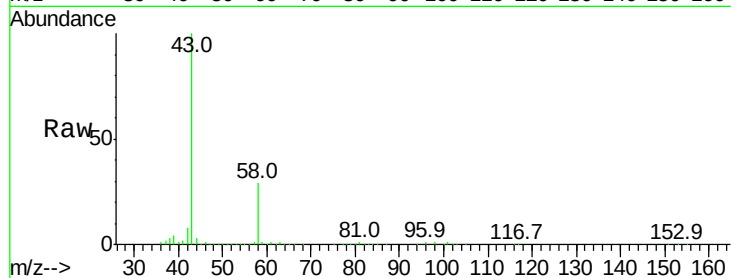
VSTD10065

Tgt Ion: 43 Resp: 424517

Ion Ratio Lower Upper

43 100

58 28.5 0.0 57.2



#14

Carbon disulfide

Concen: 79.635 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009294.D

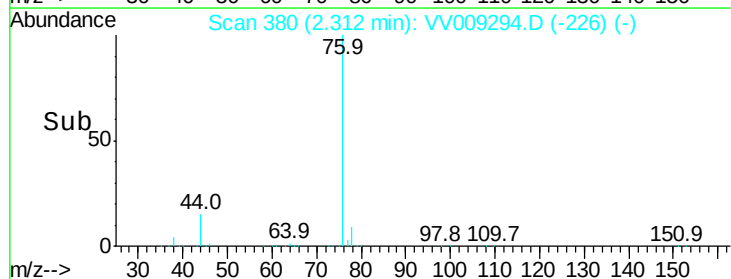
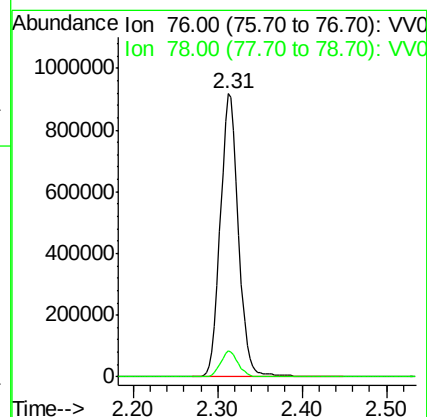
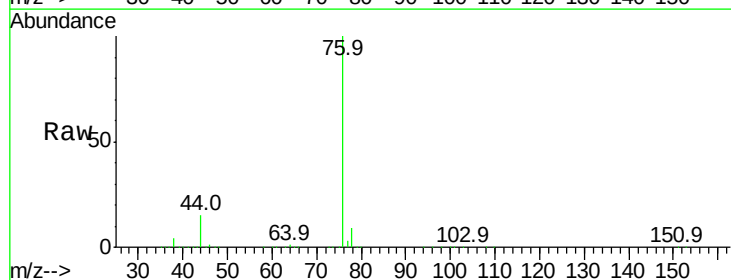
Acq: 13 Feb 2019 14:44

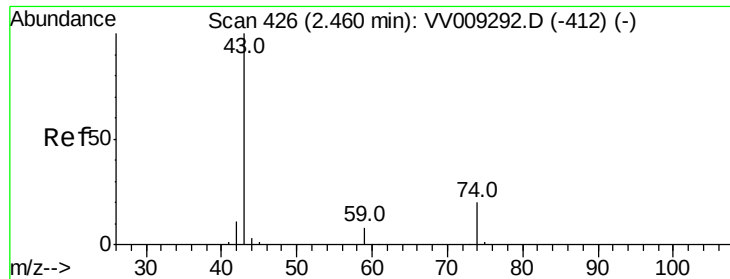
Tgt Ion: 76 Resp: 1370197

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 74.336 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

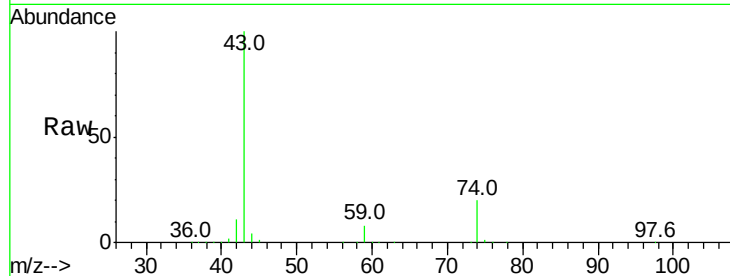
VSTD10065

Tgt Ion: 43 Resp: 302574

Ion Ratio Lower Upper

43 100

74 20.8 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

200000

150000

100000

50000

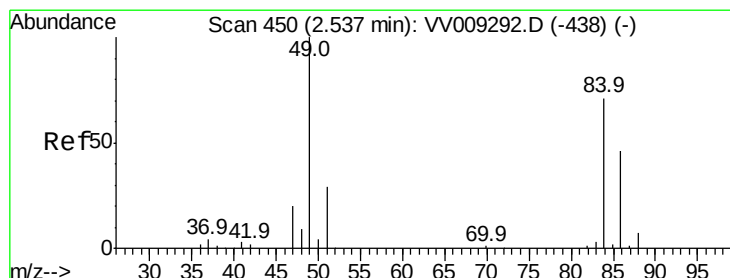
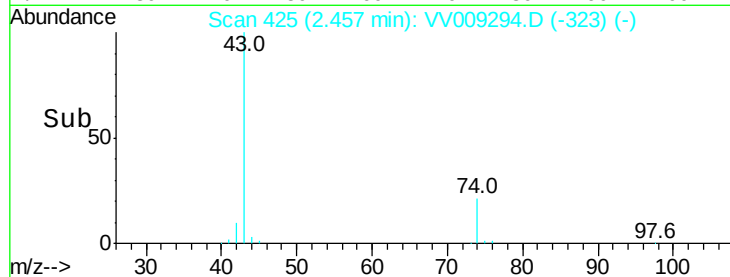
0

2.40

2.45

2.50

Time-->



#16

Methylene chloride

Concen: 68.290 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

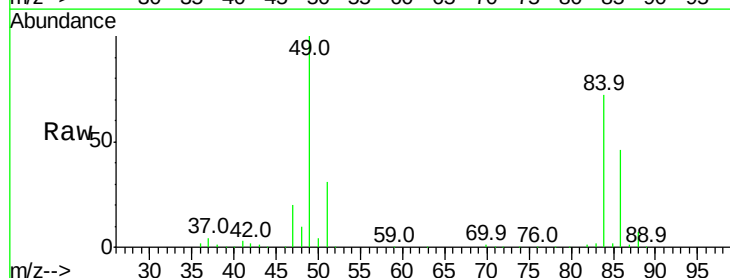
Tgt Ion: 84 Resp: 443322

Ion Ratio Lower Upper

84 100

49 138.7 98.4 182.8

86 64.4 45.1 83.7



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

500000

400000

300000

200000

100000

0

2.45

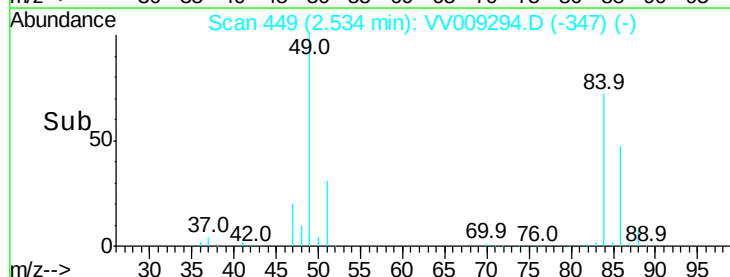
2.50

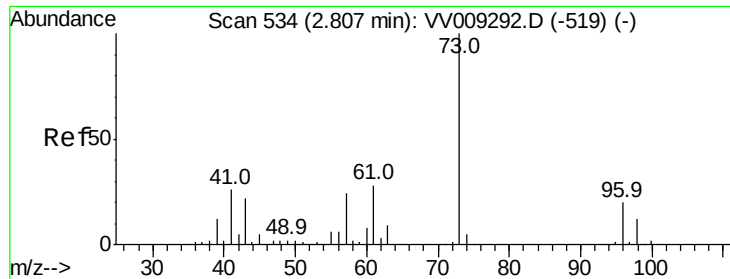
2.55

2.60

2.65

Time-->



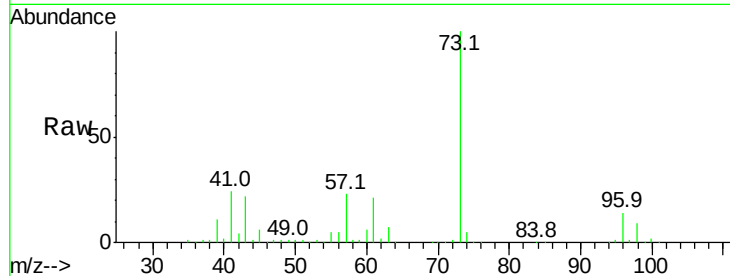


#17
Methyl tert-butyl Ether
Concen: 93.376 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

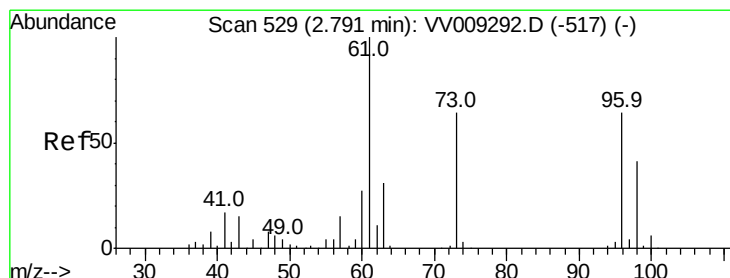
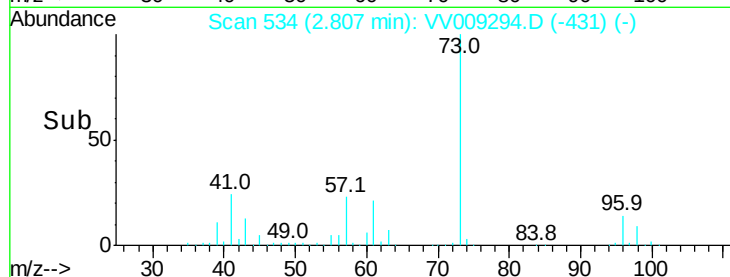
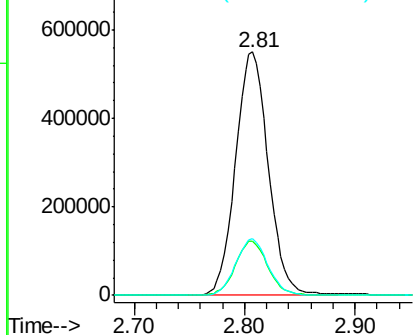
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 73 Resp: 1132922

Ion	Ratio	Lower	Upper
73	100		
43	22.0	18.2	27.4
57	23.0	19.0	28.4



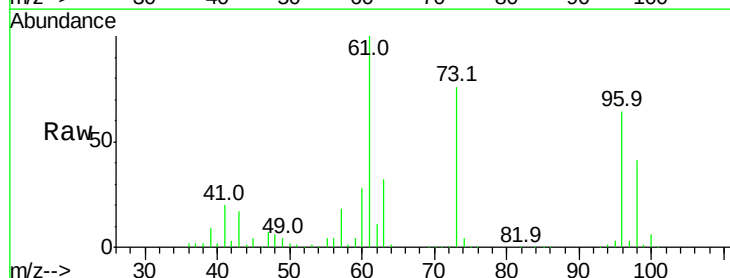
Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0



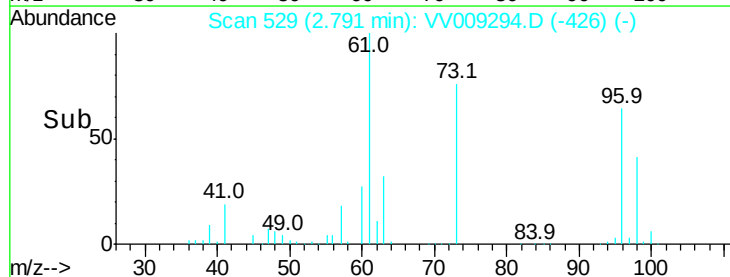
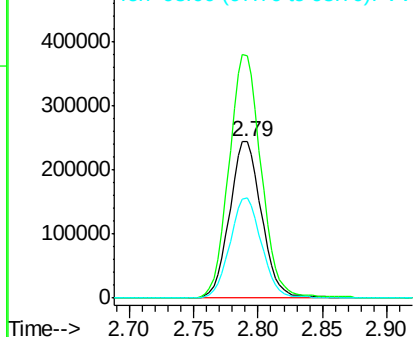
#18
trans-1,2-Dichloroethene
Concen: 82.274 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

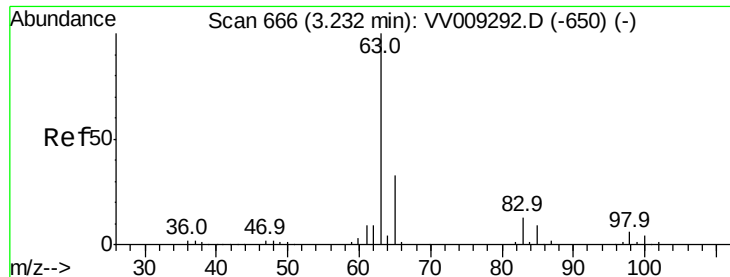
Tgt Ion: 96 Resp: 420717

Ion	Ratio	Lower	Upper
96	100		
61	155.3	109.0	202.4
98	64.1	44.3	82.3



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

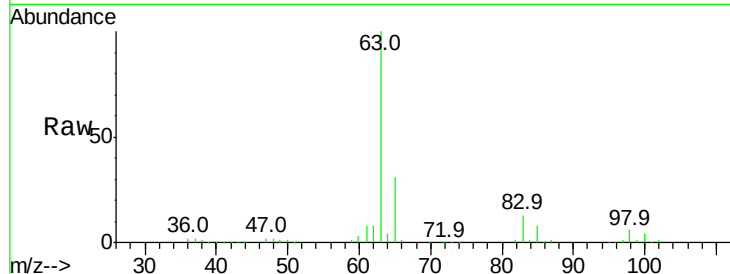




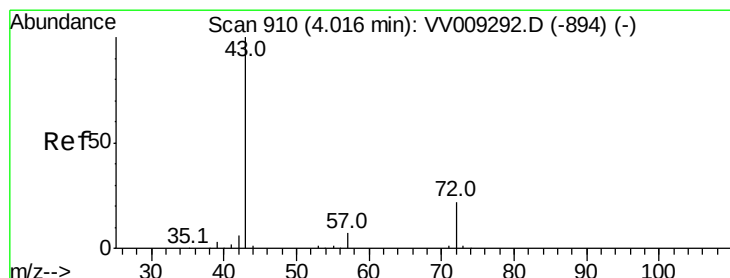
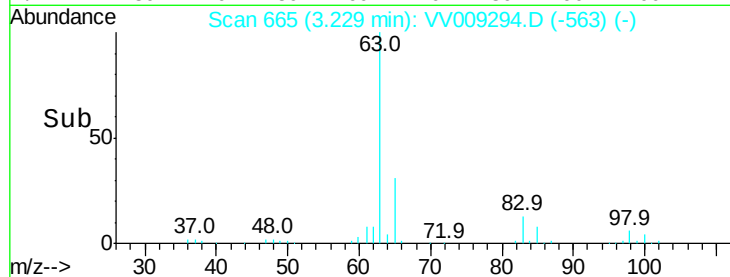
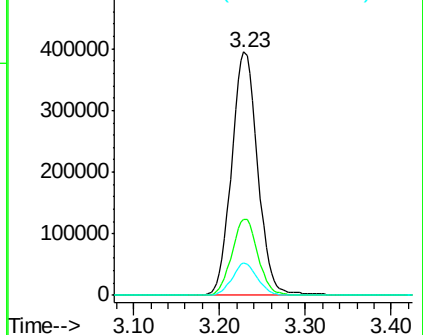
#19
 1,1-Dichloroethane
 Concen: 85.405 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion: 63 Resp: 831372
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.3 43.3
 83 13.2 9.1 16.9

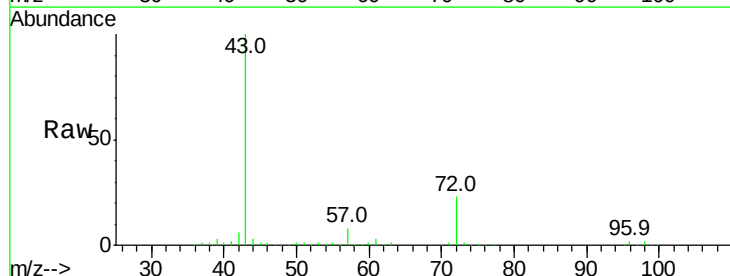


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

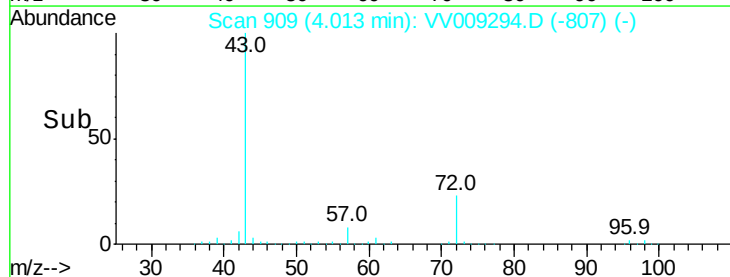
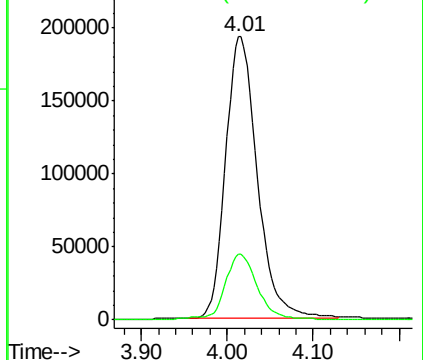


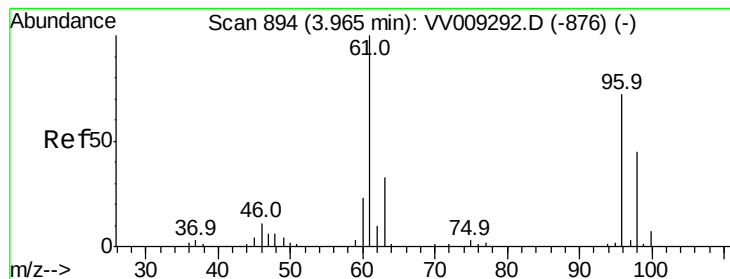
#21
 2-Butanone
 Concen: 146.006 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Tgt Ion: 43 Resp: 497242
 Ion Ratio Lower Upper
 43 100
 72 22.6 11.3 33.8



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



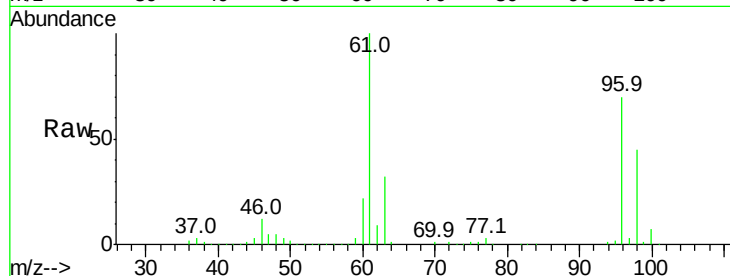


#22

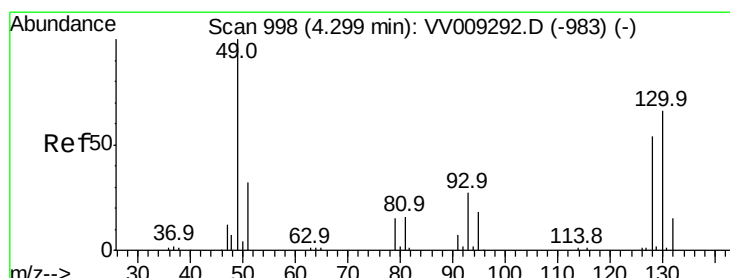
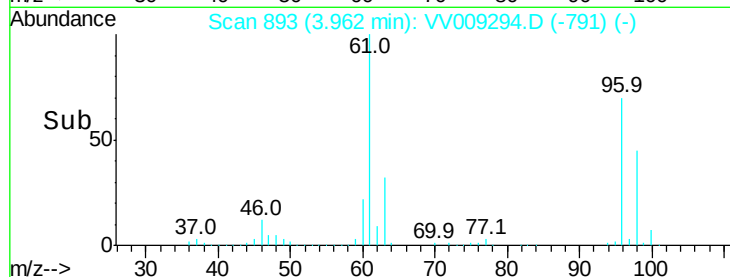
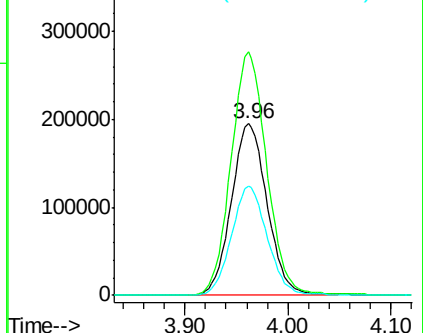
cis-1,2-Dichloroethene
Concen: 89.722 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 96 Resp: 471260
Ion Ratio Lower Upper
96 100
61 141.9 96.9 179.9
98 63.8 44.0 81.8



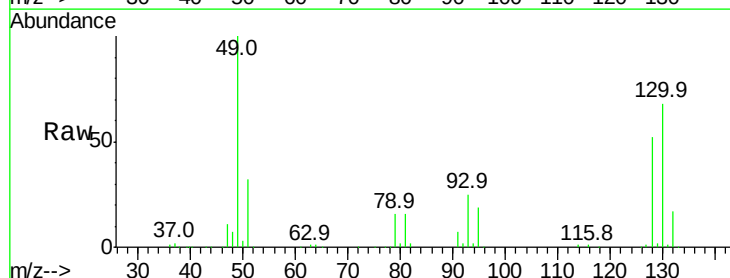
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



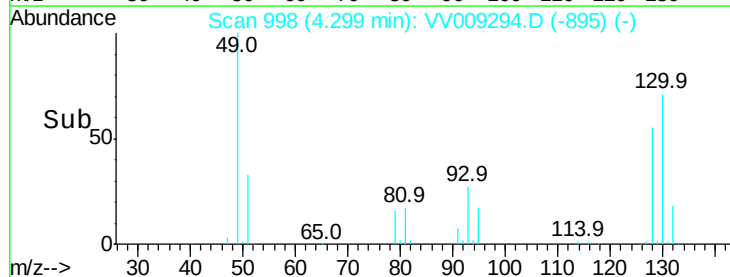
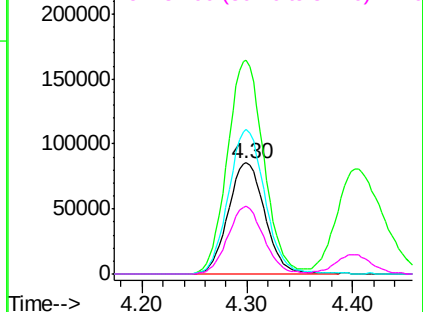
#23

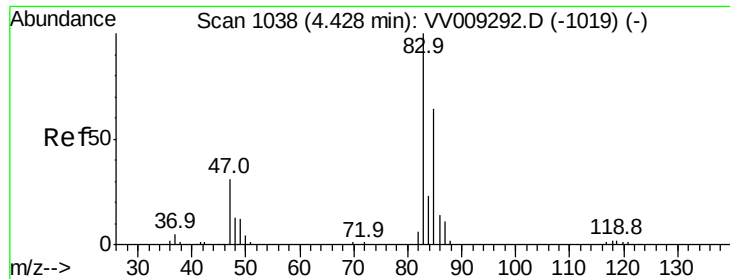
Bromochloromethane
Concen: 87.721 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

Tgt Ion: 128 Resp: 206707
Ion Ratio Lower Upper
128 100
49 192.6 130.6 242.6
130 130.2 85.9 159.5
51 61.2 47.2 70.8



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

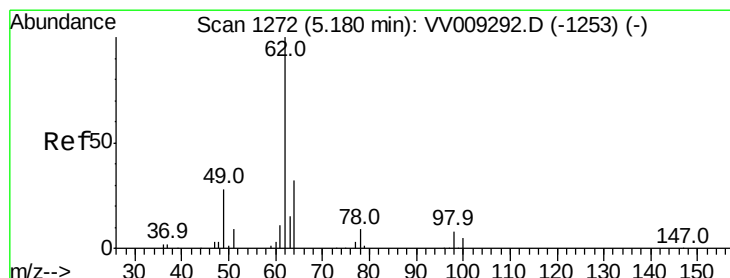
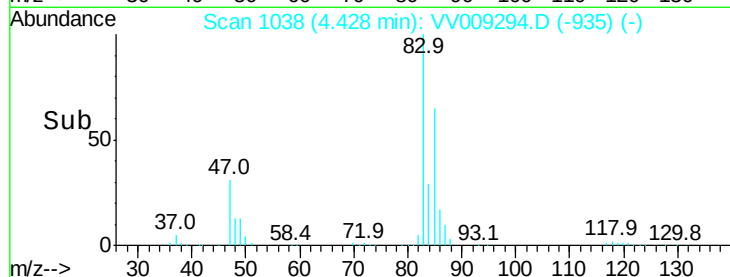
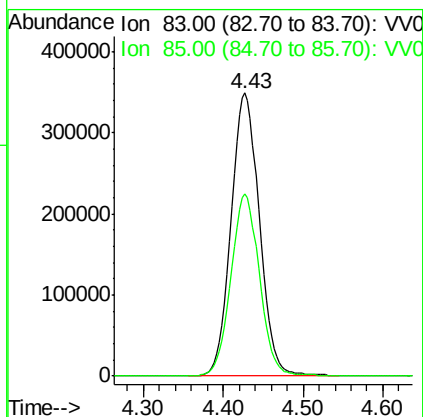
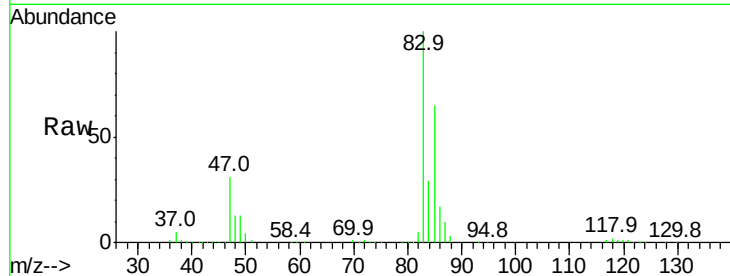




#25
Chloroform
Concen: 87.569 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

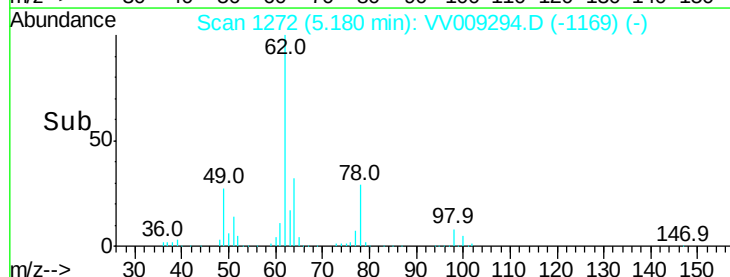
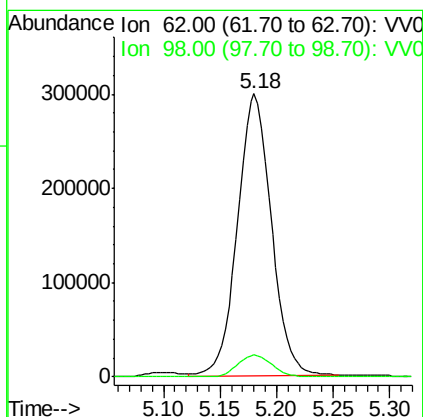
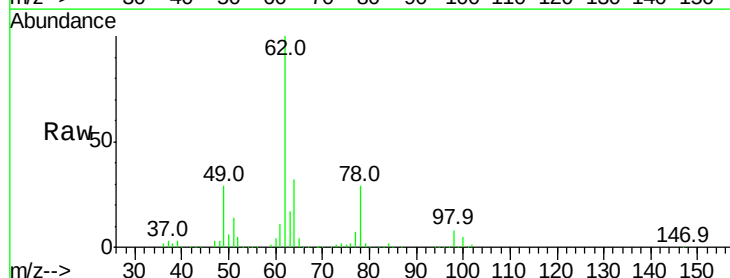
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

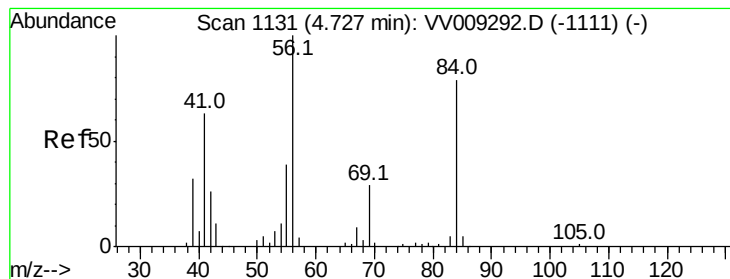
Tgt Ion: 83 Resp: 842727
Ion Ratio Lower Upper
83 100
85 64.9 45.6 84.6



#27
1,2-Dichloroethane
Concen: 90.392 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

Tgt Ion: 62 Resp: 624299
Ion Ratio Lower Upper
62 100
98 7.7 6.2 9.4





#30

Cyclohexane

Concen: 82.682 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

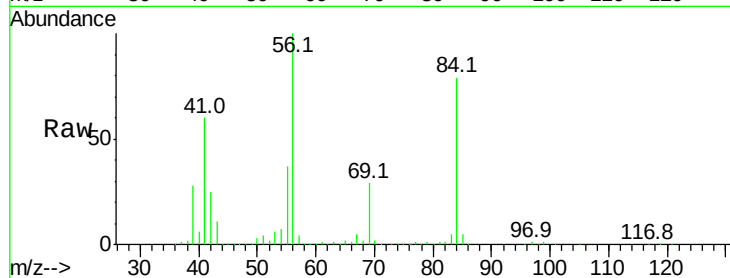
Tgt Ion: 56 Resp: 806360

Ion Ratio Lower Upper

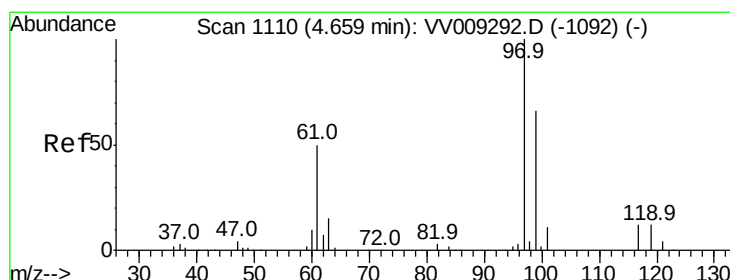
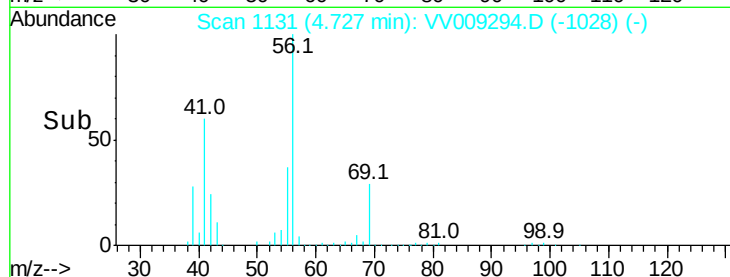
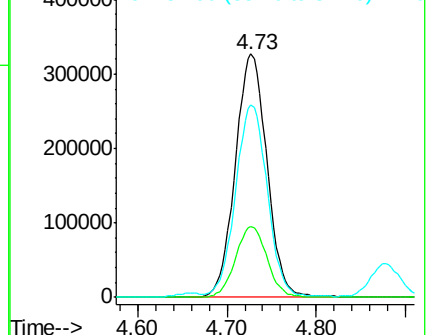
56 100

69 28.9 23.5 35.3

84 79.5 62.2 93.2



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: 80.909 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

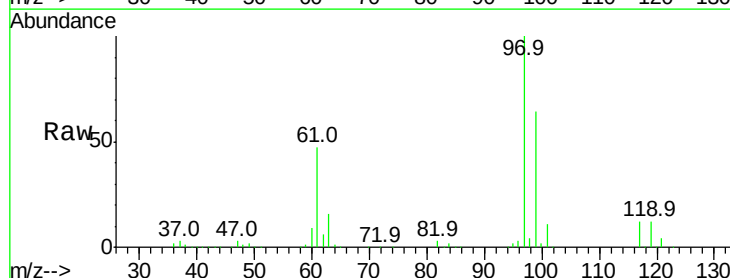
Tgt Ion: 97 Resp: 723661

Ion Ratio Lower Upper

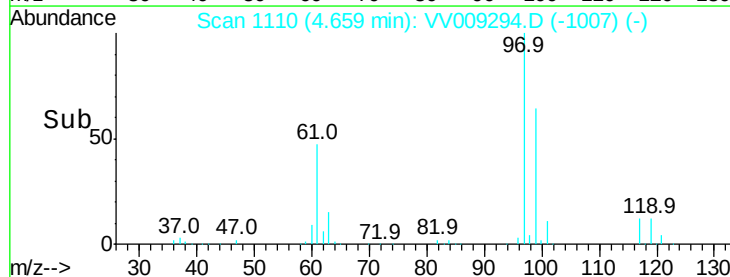
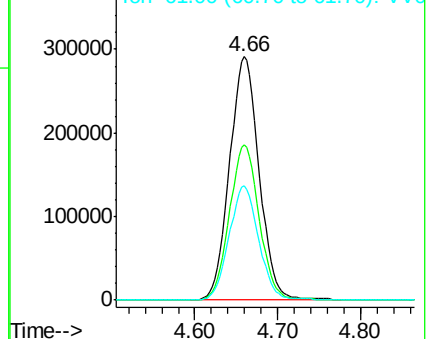
97 100

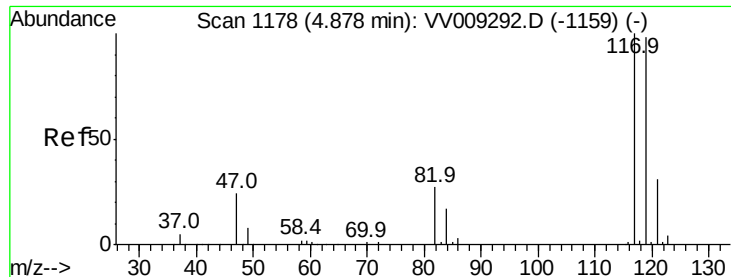
99 64.2 51.7 77.5

61 47.2 39.4 59.2



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: 80.131 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

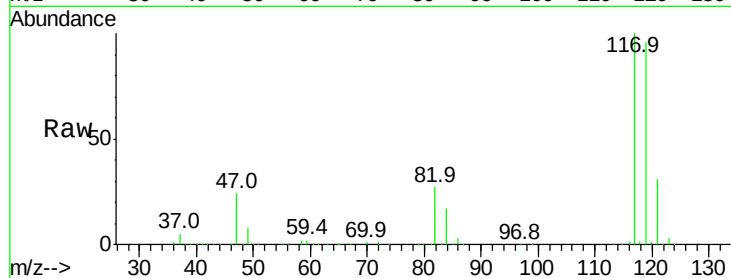
VSTD10065

Tgt Ion:117 Resp: 633648

Ion Ratio Lower Upper

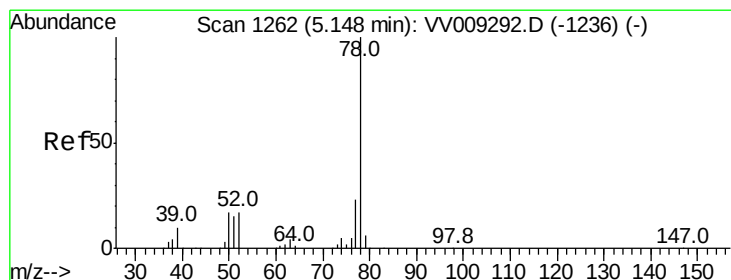
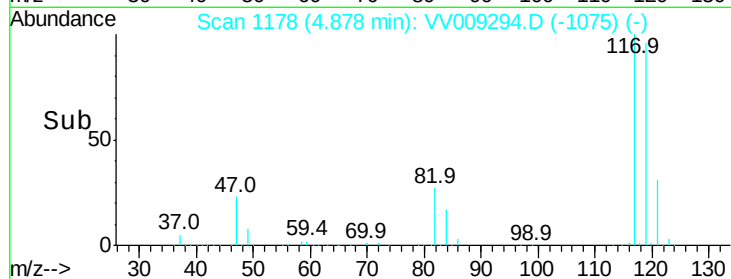
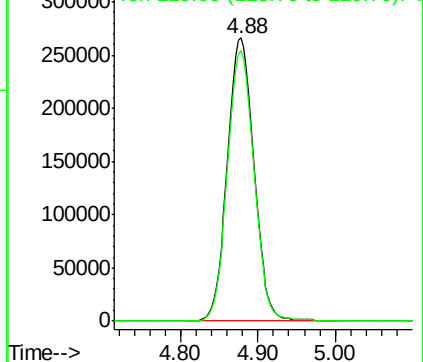
117 100

119 95.8 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 84.545 ug/L

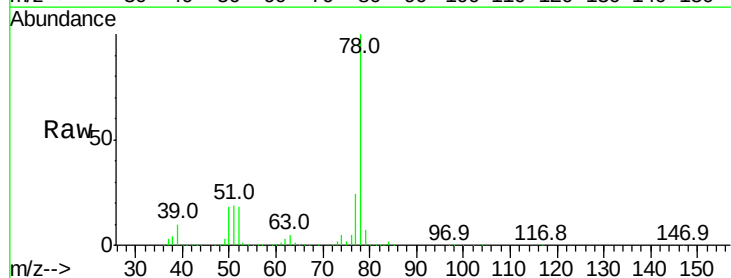
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

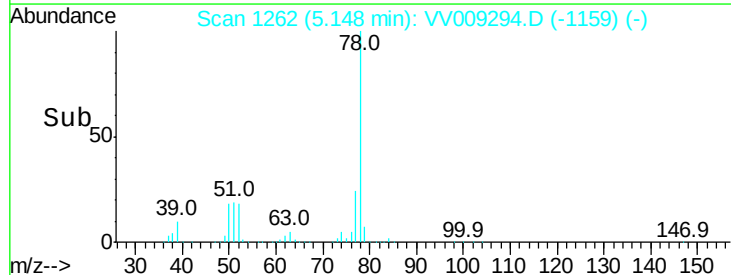
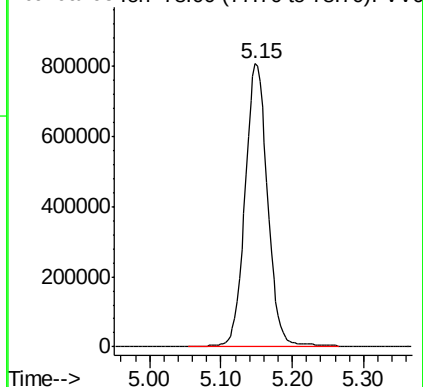
Lab File: VV009294.D

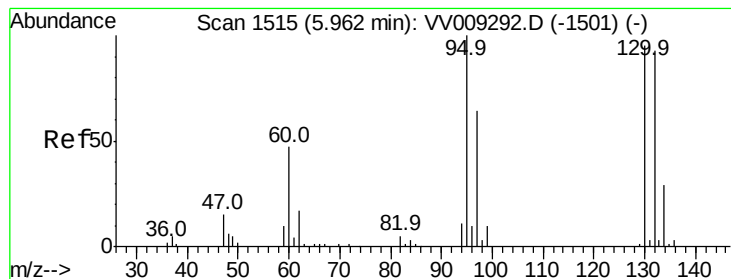
Acq: 13 Feb 2019 14:44

Tgt Ion: 78 Resp: 1783524



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 83.087 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 95 Resp: 475304

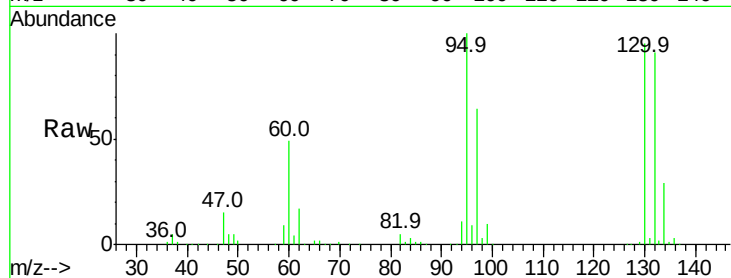
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.5

132 91.9 65.9 122.5

130 95.8 65.8 122.2

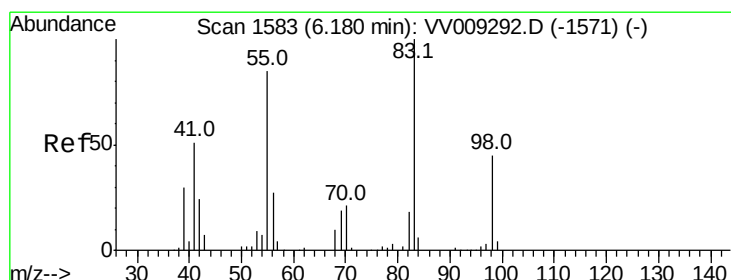
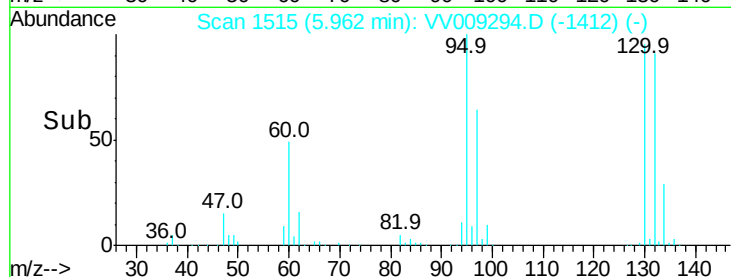
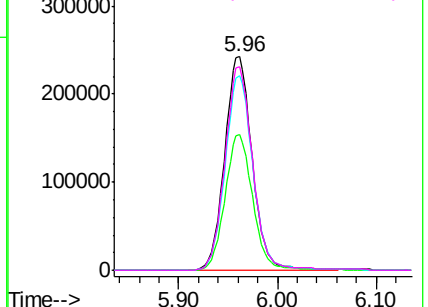


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 83.554 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

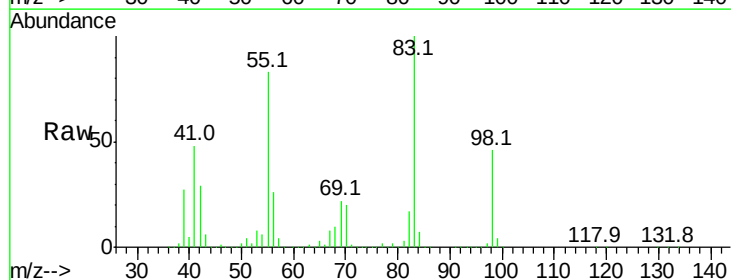
Tgt Ion: 83 Resp: 798856

Ion Ratio Lower Upper

83 100

55 85.5 70.6 105.8

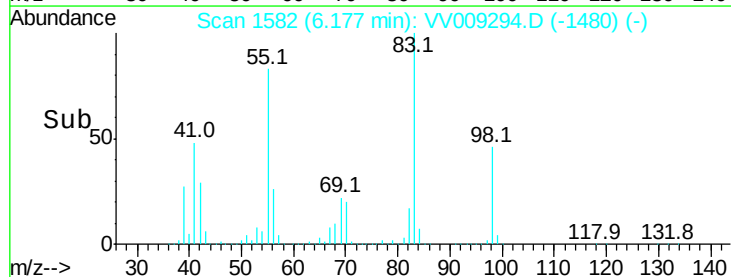
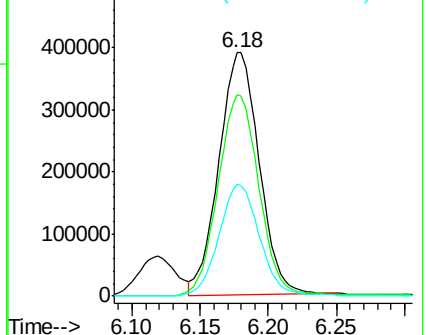
98 46.0 36.7 55.1

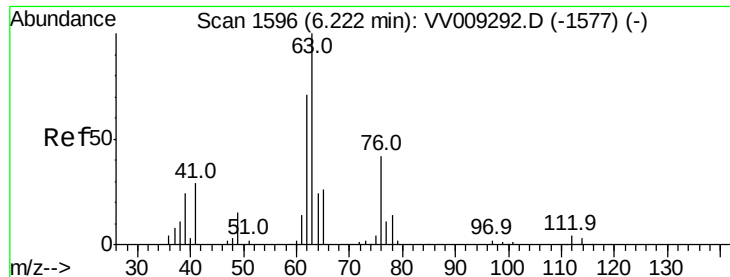


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

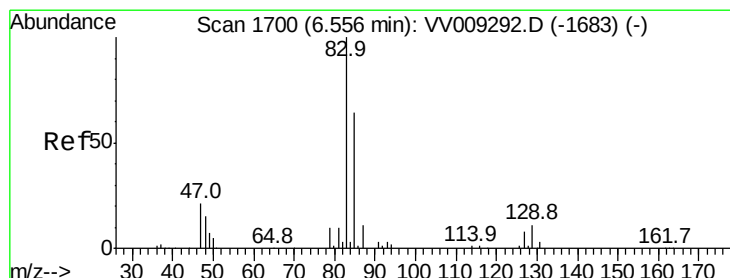
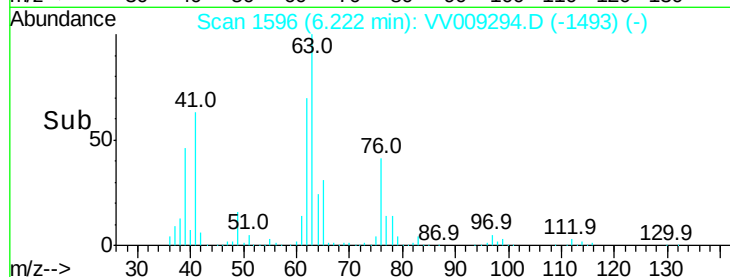
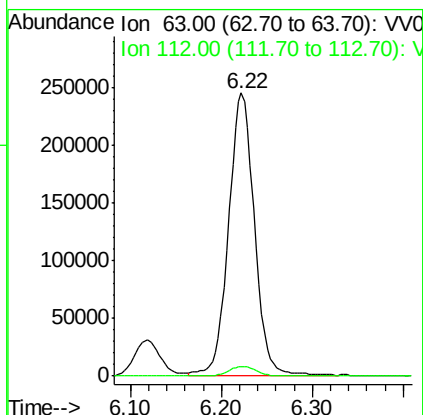
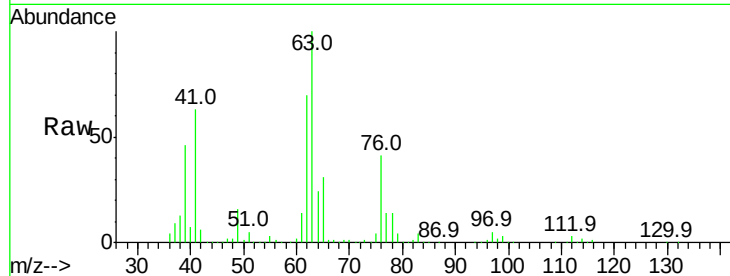




#40
 1,2-Dichloropropane
 Concen: 86.723 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

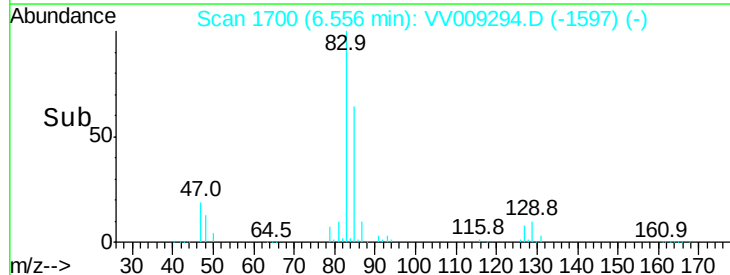
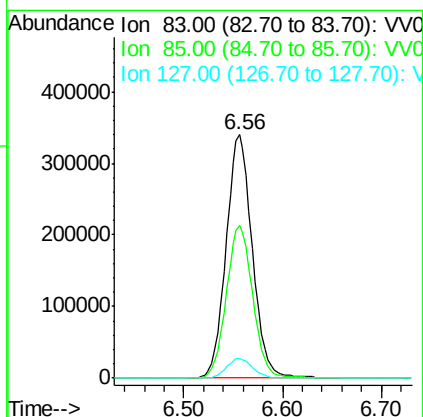
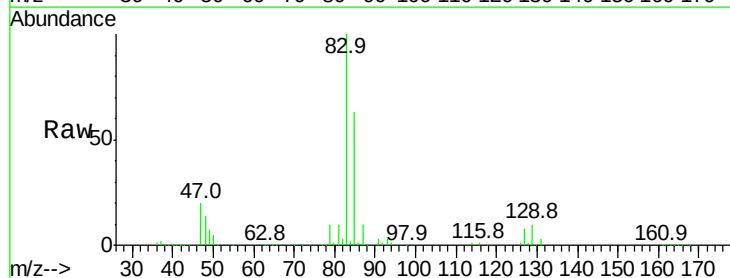
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

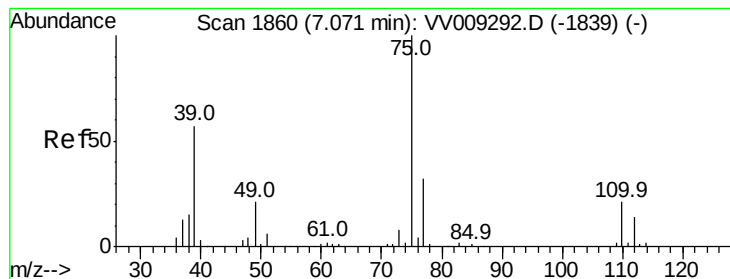
Tgt Ion: 63 Resp: 481857
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#41
 Bromodichloromethane
 Concen: 87.463 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Tgt Ion: 83 Resp: 628181
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.0 83.6
 127 8.1 6.4 9.6



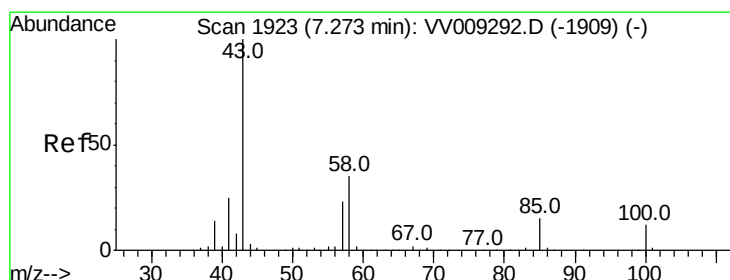
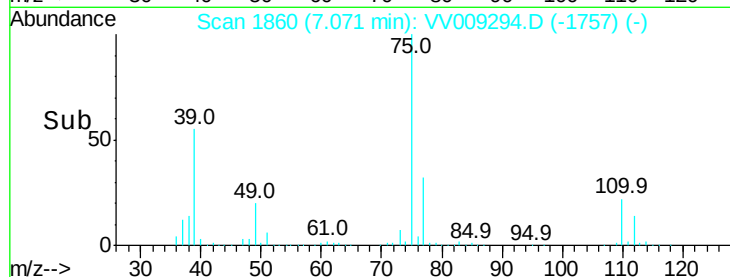
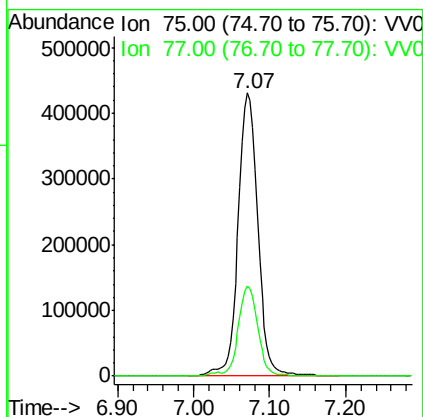
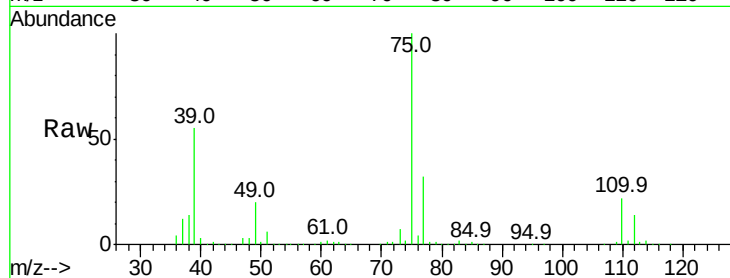


#42

cis-1,3-Dichloropropene
Concen: 95.545 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

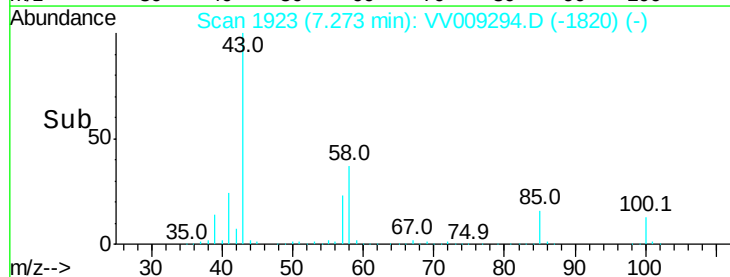
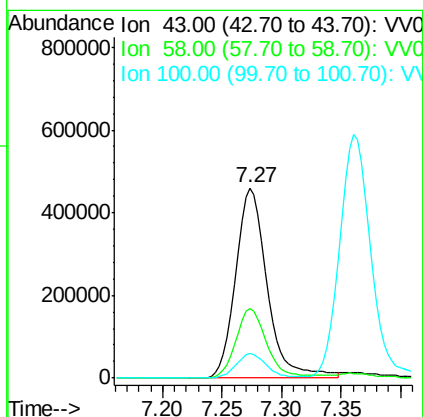
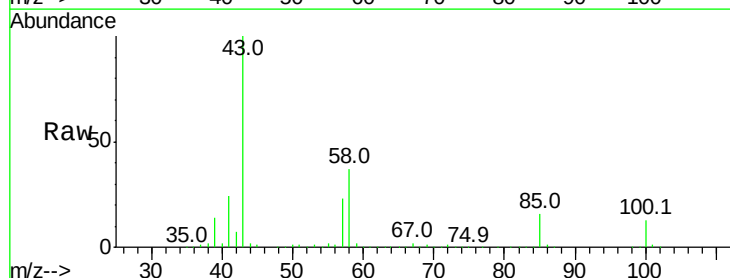
Tgt Ion: 75 Resp: 775161
Ion Ratio Lower Upper
75 100
77 31.7 22.2 41.2

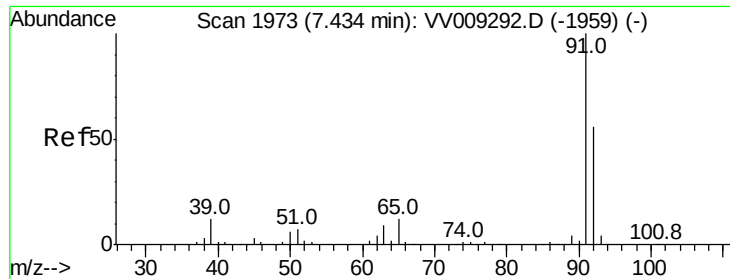


#43

4-Methyl-2-pentanone
Concen: 159.712 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

Tgt Ion: 43 Resp: 848804
Ion Ratio Lower Upper
43 100
58 35.9 28.4 42.6
100 12.3 9.6 14.4





#44

Toluene

Concen: 89.408 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

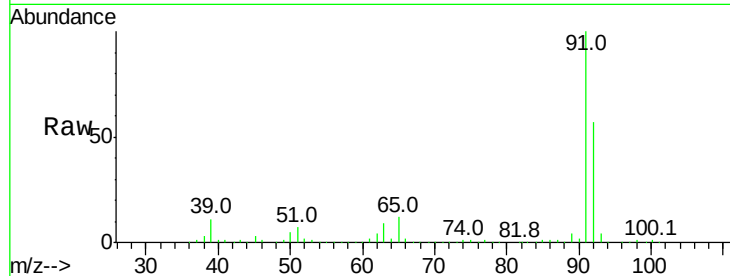
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 91 Resp: 1978963

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VV009294.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009294.D (-1959) (-)

7.43

1200000

1000000

800000

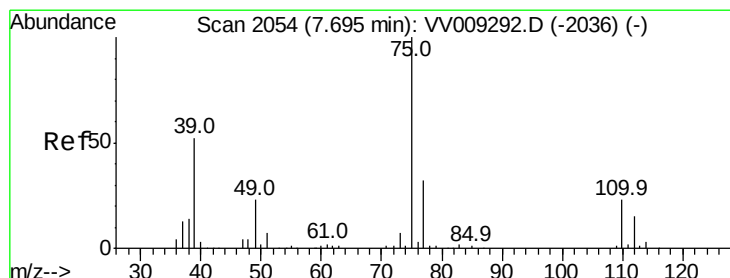
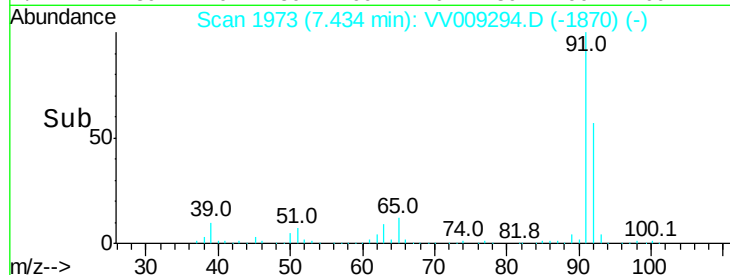
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 96.552 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009294.D

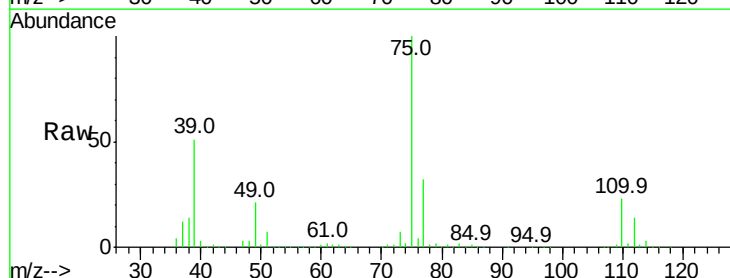
Acq: 13 Feb 2019 14:44

Tgt Ion: 75 Resp: 698041

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV009294.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009294.D (-1951) (-)

7.69

400000

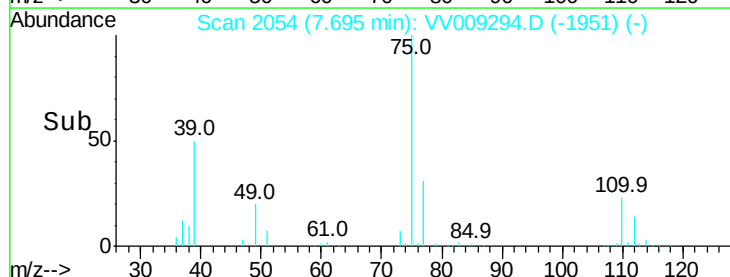
300000

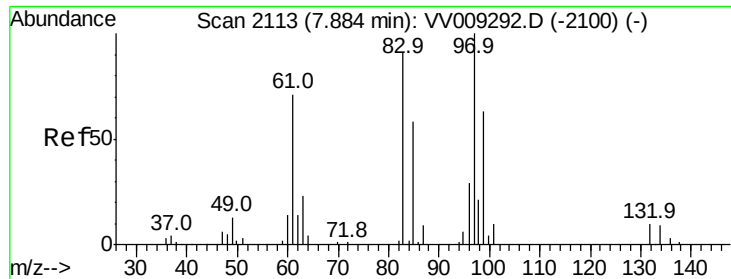
200000

100000

0

Time-->

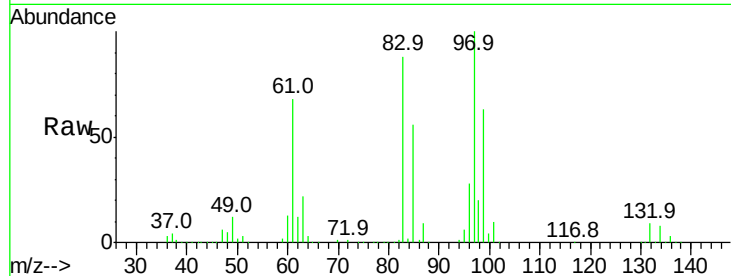




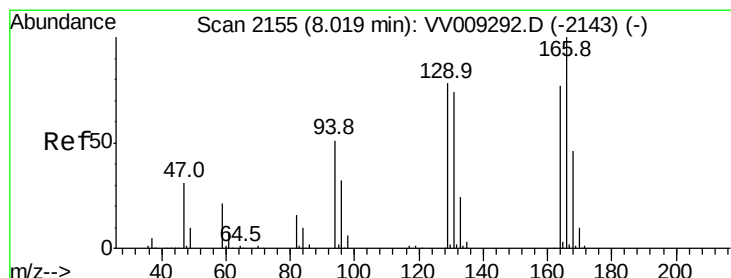
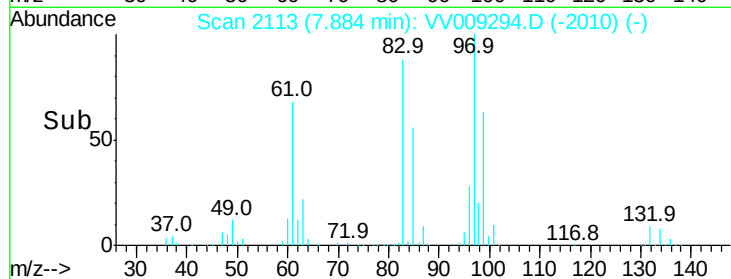
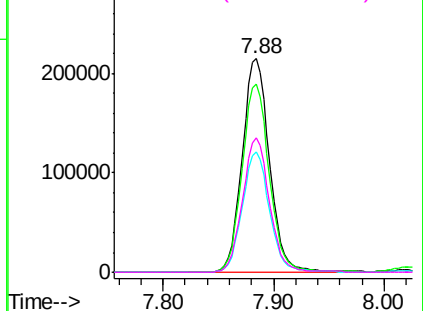
#46
 1,1,2-Trichloroethane
 Concen: 86.881 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion: 97 Resp: 367393
 Ion Ratio Lower Upper
 97 100
 83 87.9 63.4 117.8
 85 56.3 40.7 75.7
 99 62.8 43.8 81.4

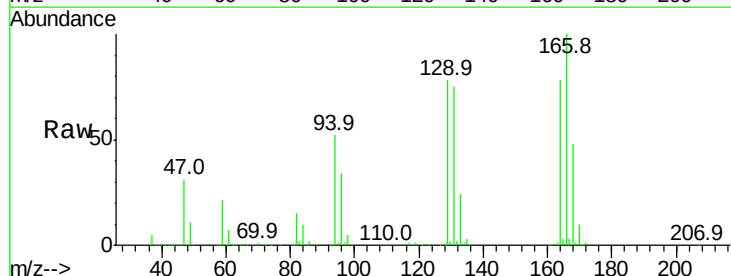


Abundance Ion 97.00 (96.70 to 97.70): VV009294.D (-2100) (-)
 Ion 83.00 (82.70 to 83.70): VV009294.D (-2100) (-)
 Ion 85.00 (84.70 to 85.70): VV009294.D (-2100) (-)
 Ion 99.00 (98.70 to 99.70): VV009294.D (-2100) (-)

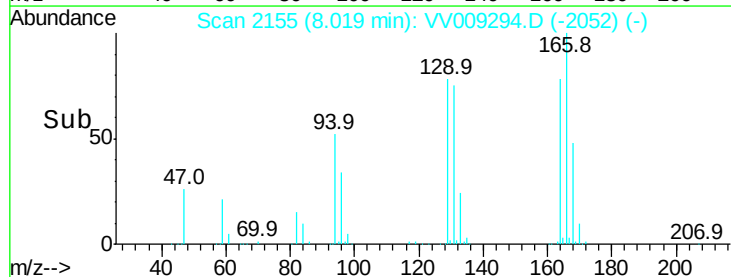
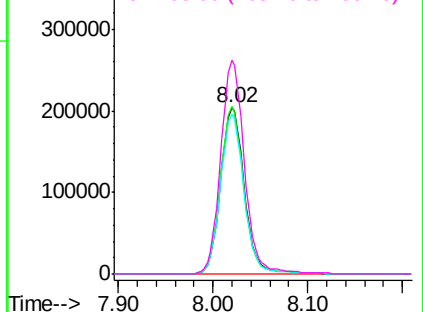


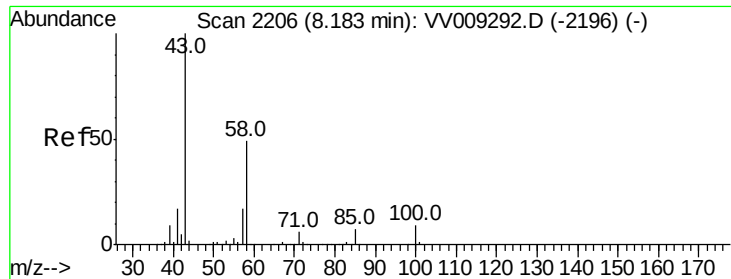
#47
 Tetrachloroethene
 Concen: 82.952 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Tgt Ion: 164 Resp: 357776
 Ion Ratio Lower Upper
 164 100
 129 100.7 71.1 132.1
 131 96.3 67.4 125.2
 166 128.5 91.4 169.8



Abundance Ion 164.00 (163.70 to 164.70): VV009294.D (-2052) (-)
 Ion 129.00 (128.70 to 129.70): VV009294.D (-2052) (-)
 Ion 131.00 (130.70 to 131.70): VV009294.D (-2052) (-)
 Ion 166.00 (165.70 to 166.70): VV009294.D (-2052) (-)

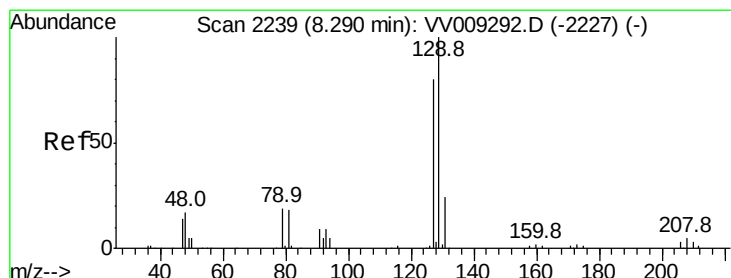
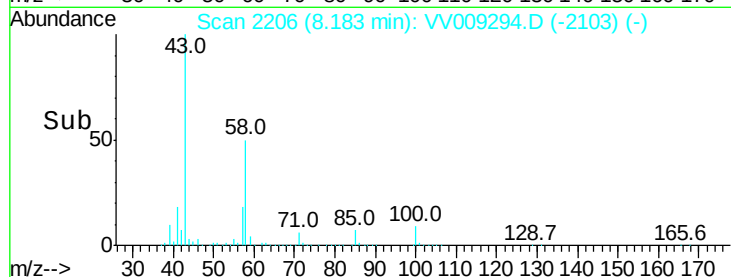
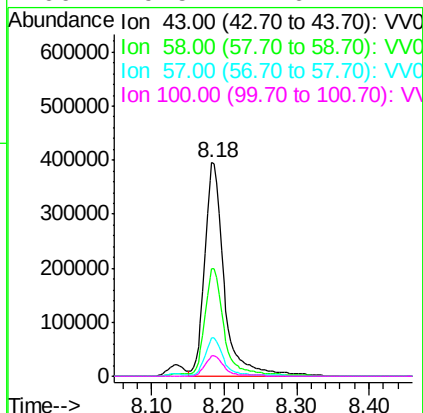
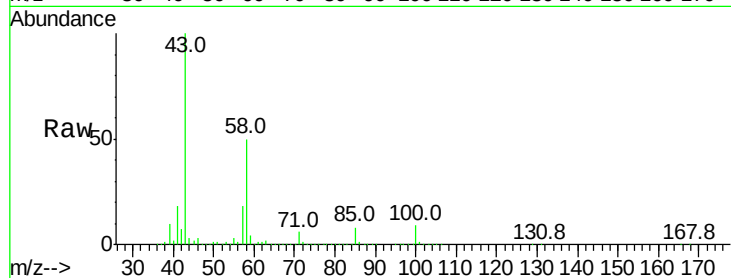




#49
2-Hexanone
Concen: 162.187 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

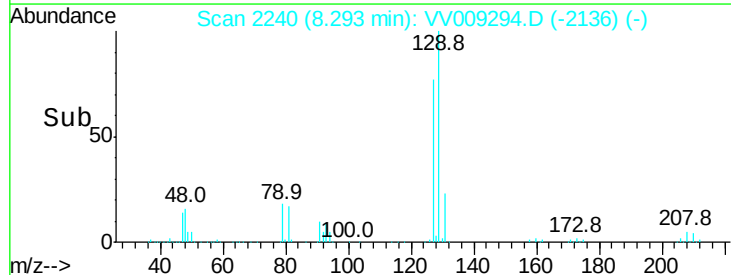
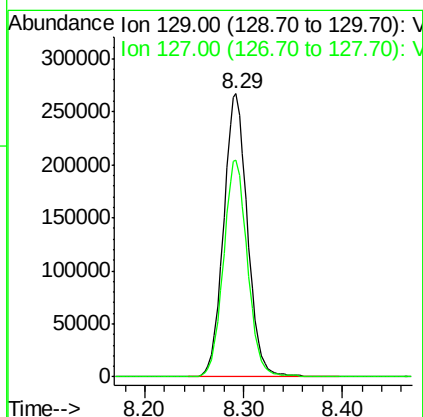
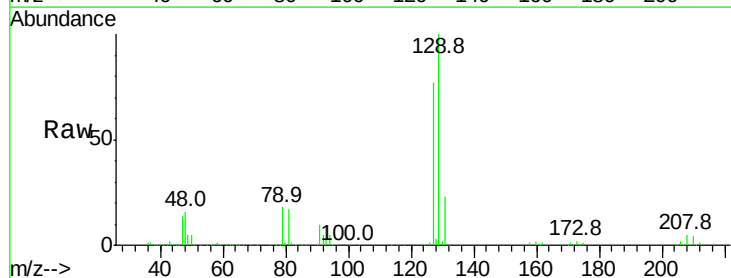
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

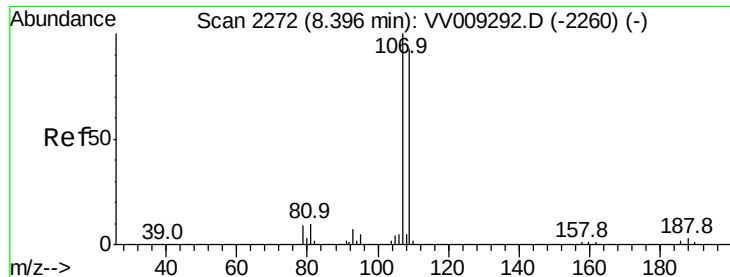
Tgt Ion:	43	Resp:	739138
Ion	Ratio	Lower	Upper
43	100		
58	50.3	40.6	61.0
57	18.0	14.1	21.1
100	9.5	7.6	11.4



#50
Dibromochloromethane
Concen: 93.584 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009294.D
Acq: 13 Feb 2019 14:44

Tgt Ion:	129	Resp:	454402
Ion	Ratio	Lower	Upper
129	100		
127	76.7	56.2	104.4





#51

1,2-Dibromoethane

Concen: 86.954 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

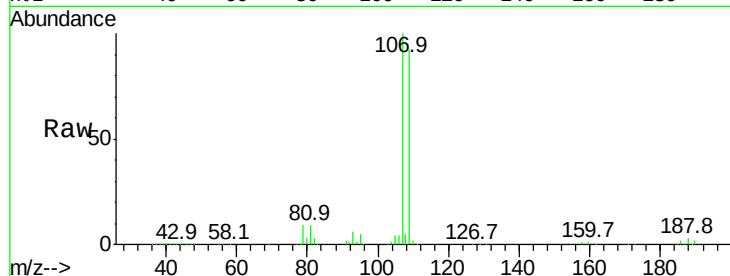
Tgt Ion:107 Resp: 368587

Ion Ratio Lower Upper

107 100

109 92.2 65.2 121.2

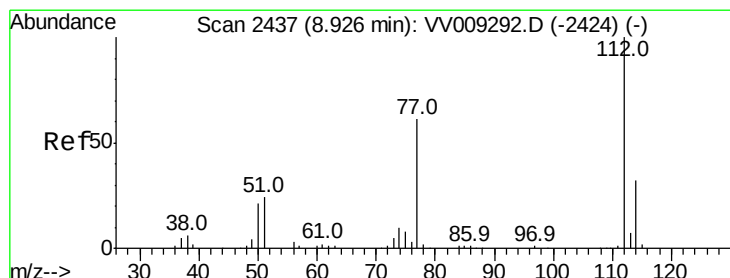
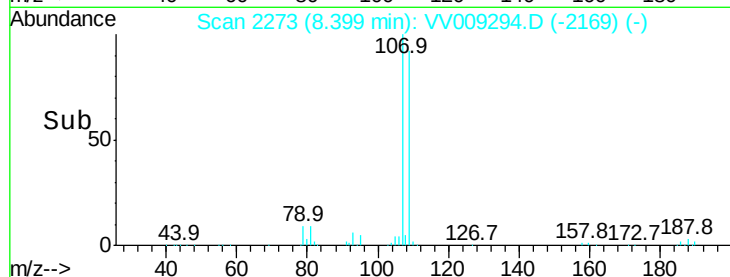
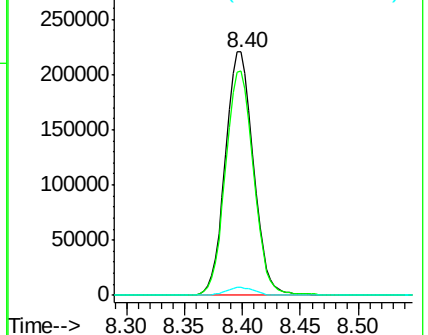
188 3.2 2.8 4.2



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: 89.035 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

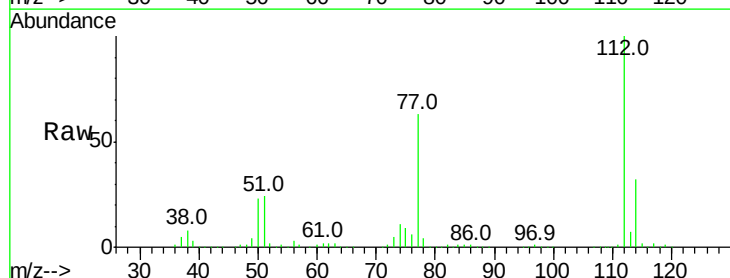
Tgt Ion:112 Resp: 1245151

Ion Ratio Lower Upper

112 100

77 62.8 48.9 73.3

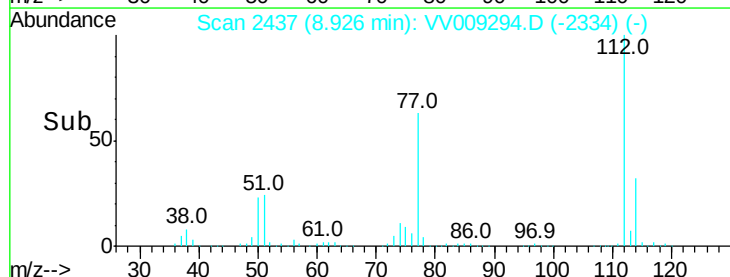
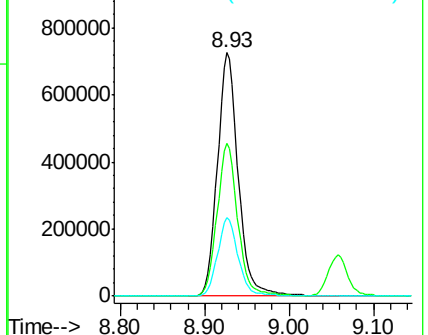
114 32.0 22.0 41.0

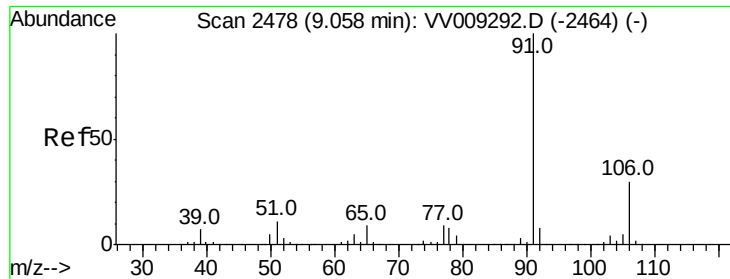


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 92.031 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

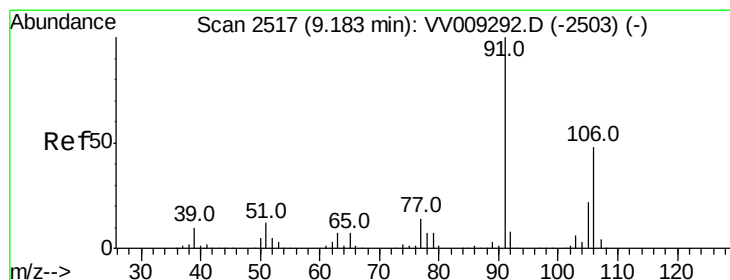
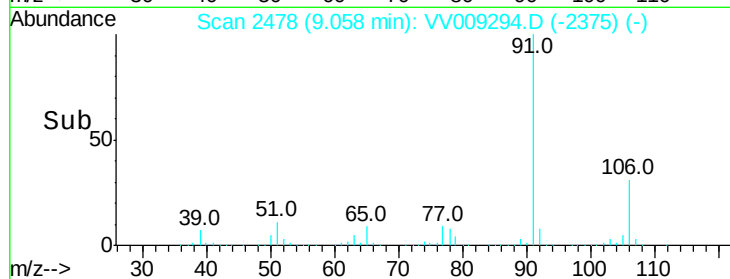
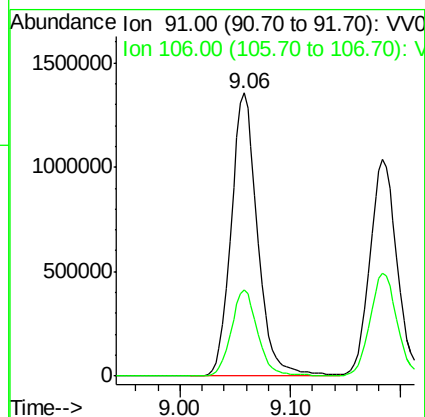
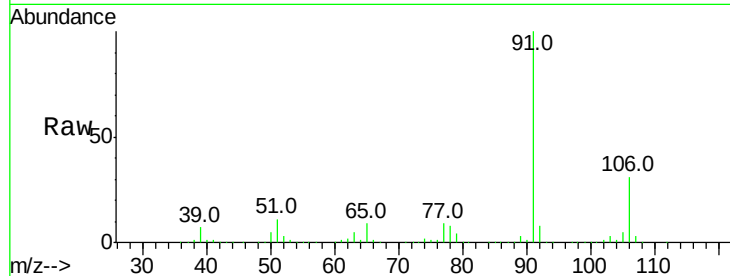
VSTD10065

Tgt Ion: 91 Resp: 2256873

Ion Ratio Lower Upper

91 100

106 30.6 20.7 38.5



#54

m,p-Xylene

Concen: 94.871 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009294.D

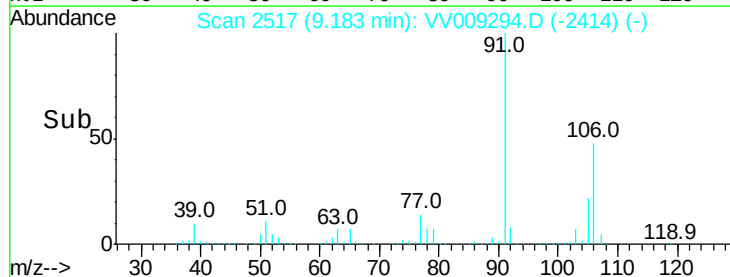
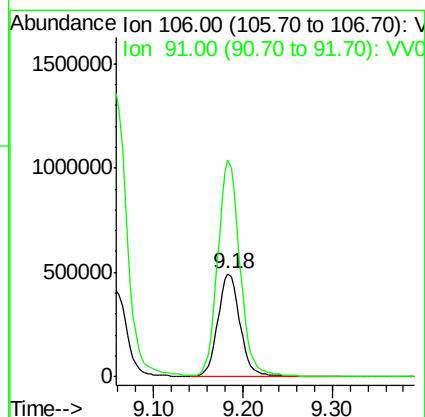
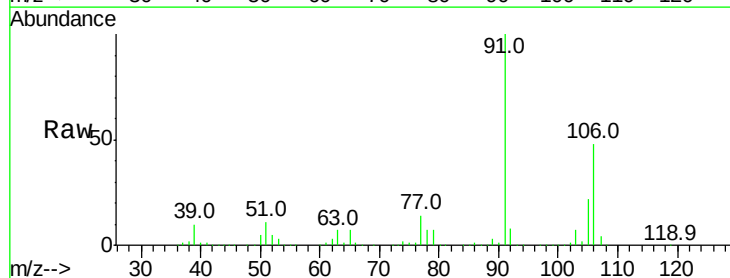
Acq: 13 Feb 2019 14:44

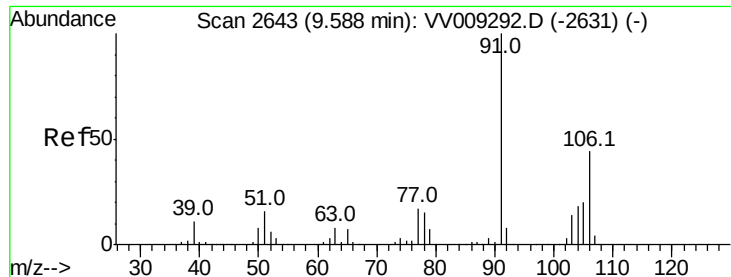
Tgt Ion: 106 Resp: 856688

Ion Ratio Lower Upper

106 100

91 209.0 145.3 269.9





#55

o-xylene

Concen: 96.082 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

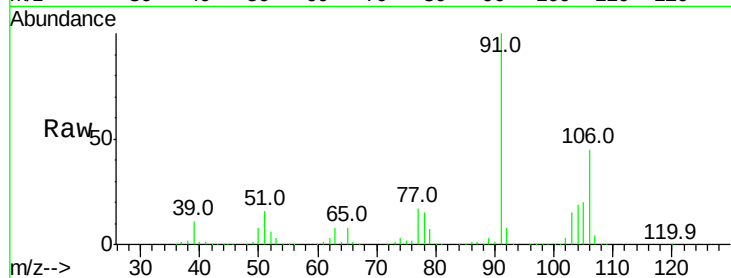
VSTD10065

Tgt Ion:106 Resp: 820943

Ion Ratio Lower Upper

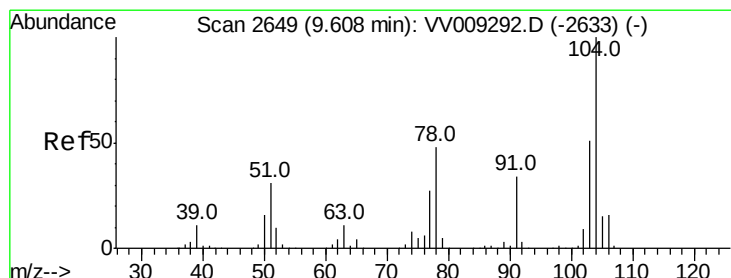
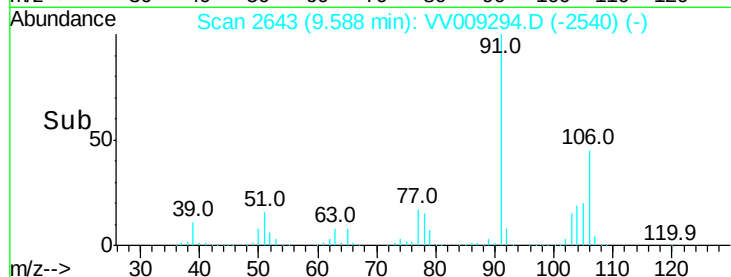
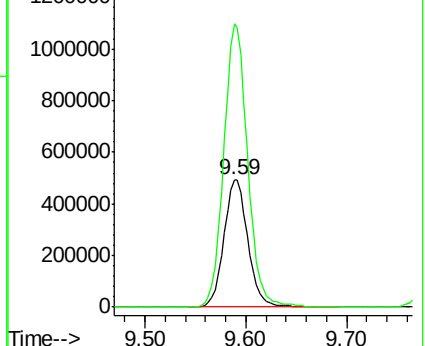
106 100

91 221.8 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 100.787 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV009294.D

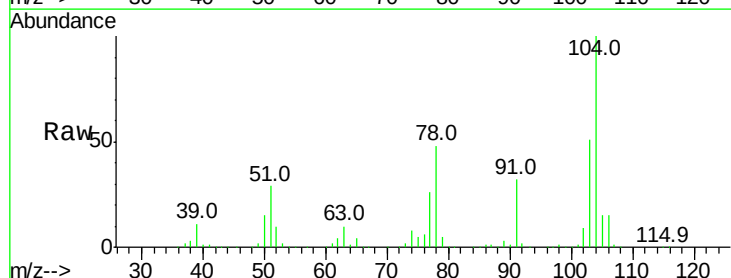
Acq: 13 Feb 2019 14:44

Tgt Ion:104 Resp: 1449822

Ion Ratio Lower Upper

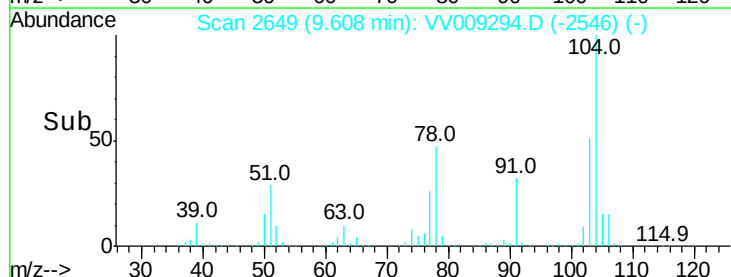
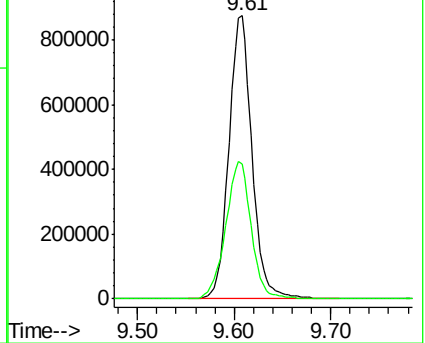
104 100

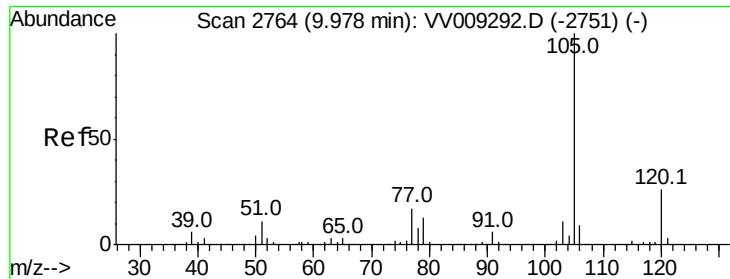
78 47.5 33.6 62.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 95.376 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

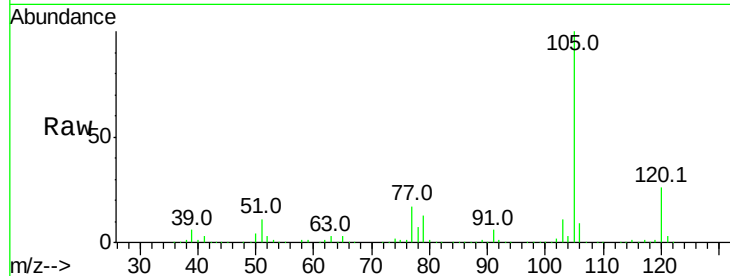
Tgt Ion:105 Resp: 2236358

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

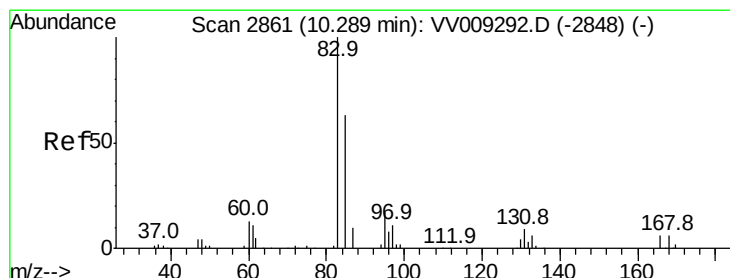
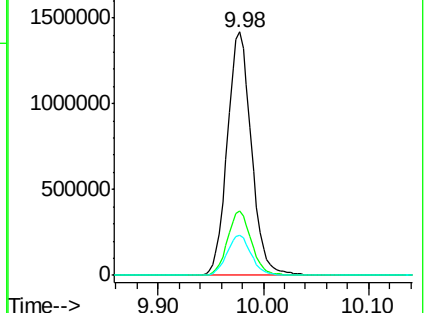
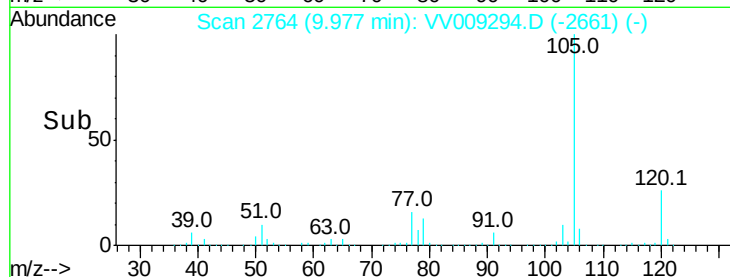
77 16.6 13.8 20.8



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: 86.000 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

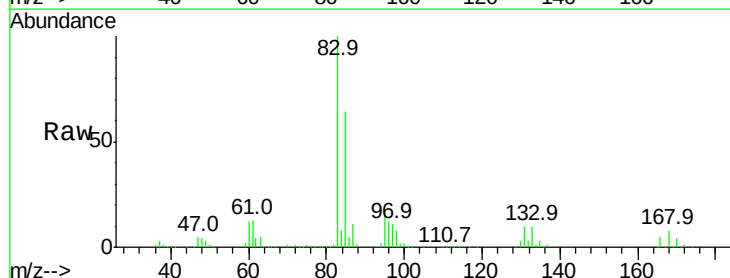
Tgt Ion: 83 Resp: 530759

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

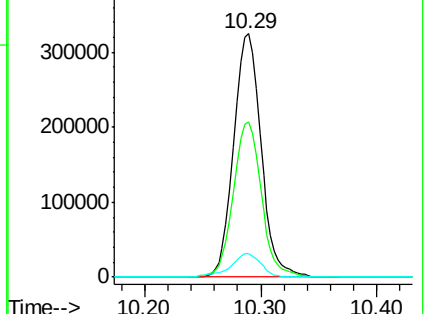
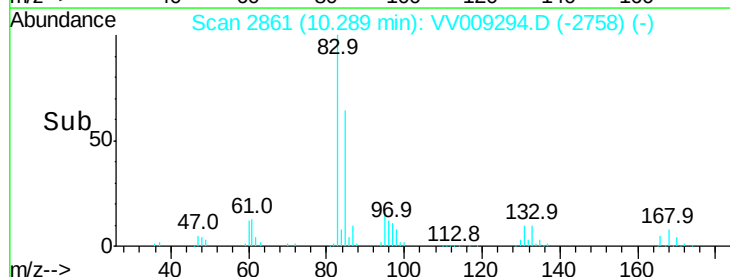
131 9.6 7.8 11.6

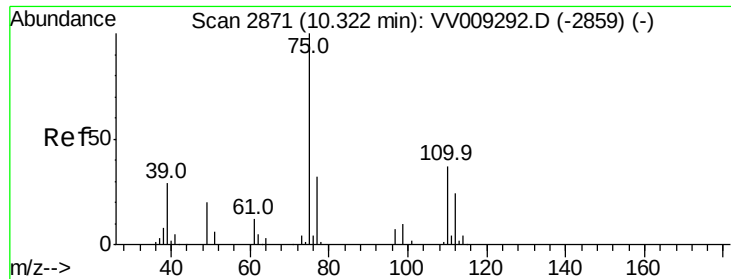


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

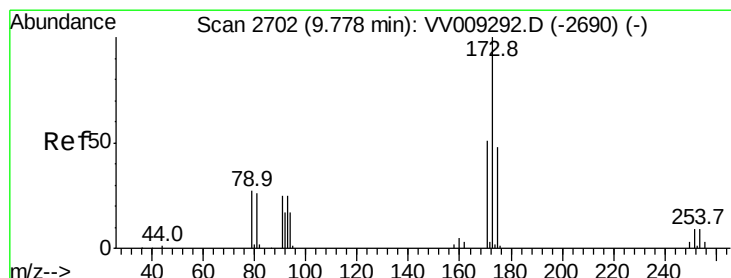
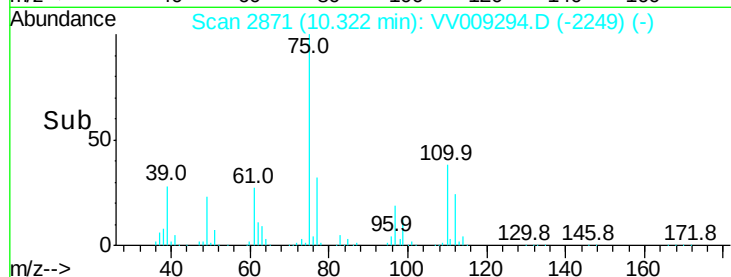
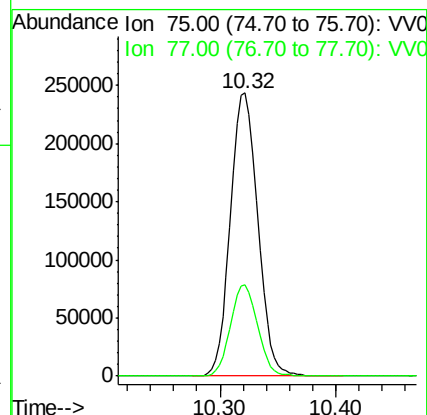
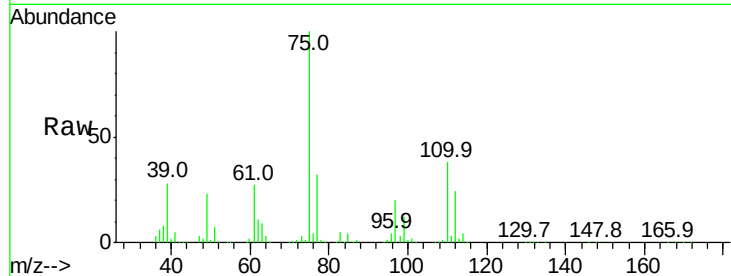




#59
 1,2,3-Trichloropropane
 Concen: 82.302 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

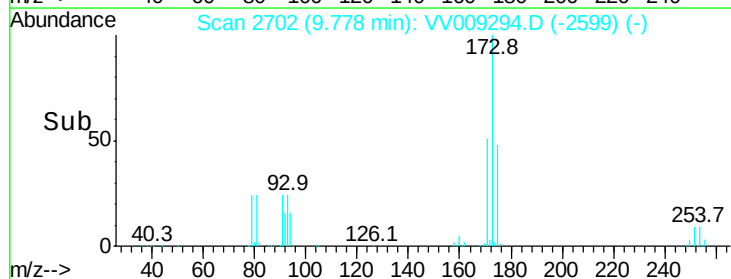
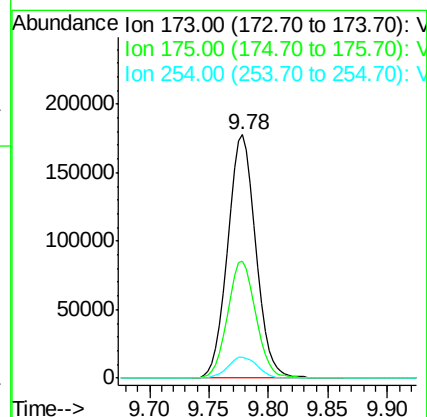
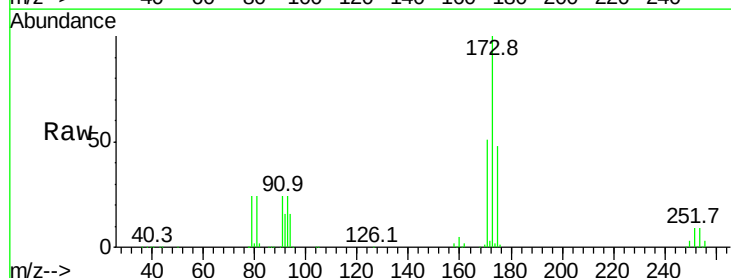
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10065

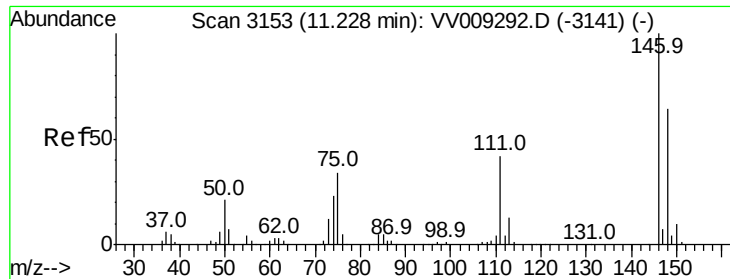
Tgt Ion: 75 Resp: 397462
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#62
 Bromoform
 Concen: 91.651 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Tgt Ion: 173 Resp: 290590
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.9 59.9
 254 9.0 6.9 10.3

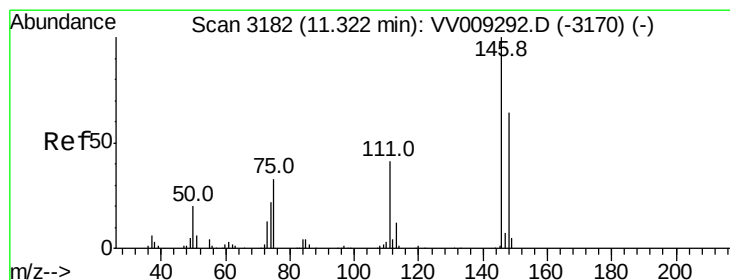
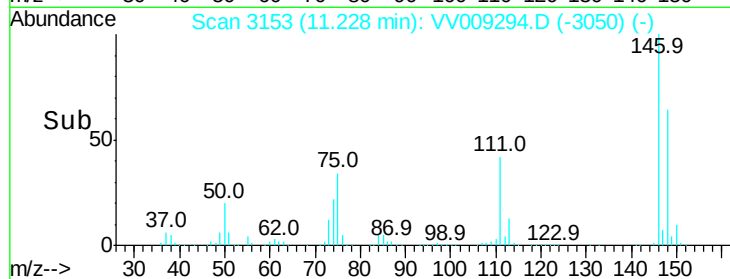
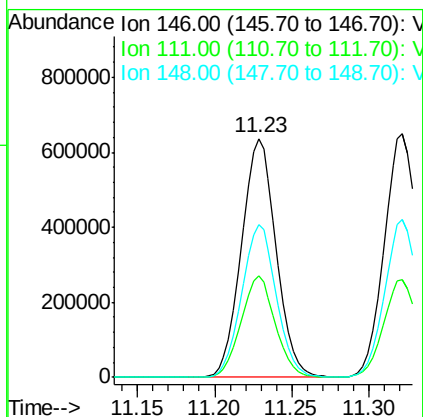
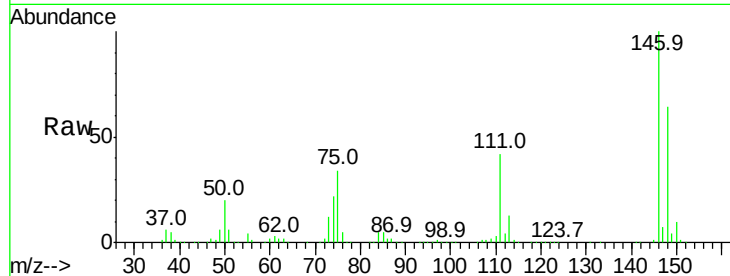




#63
 1,3-Dichlorobenzene
 Concen: 87.384 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

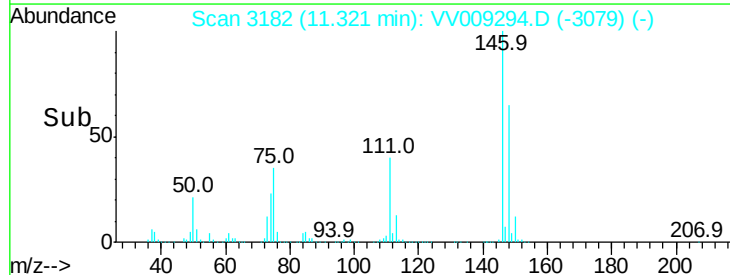
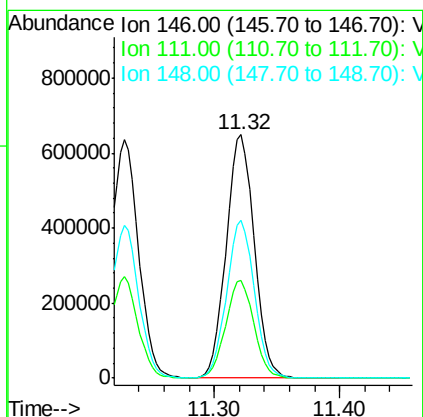
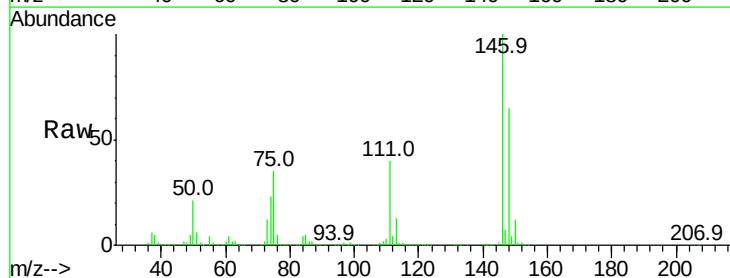
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

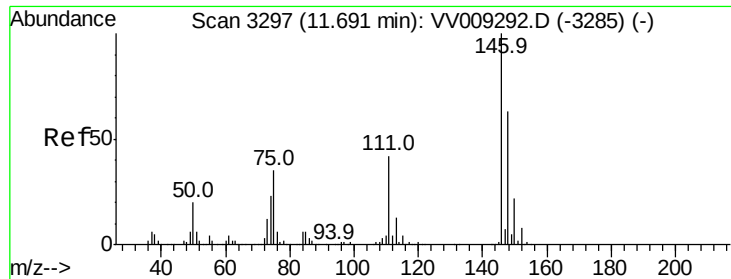
Tgt Ion:146 Resp: 991163
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.5 54.7
 148 63.9 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 87.715 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Tgt Ion:146 Resp: 1005502
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.6 53.0
 148 64.8 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 88.882 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

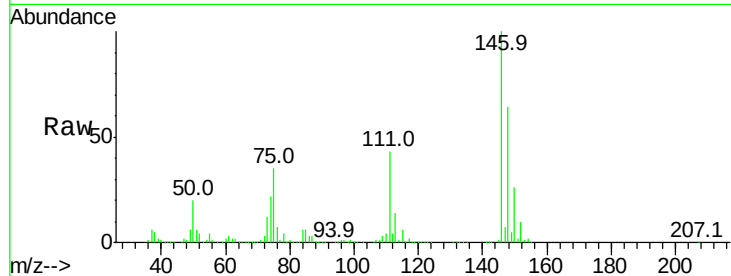
Tgt Ion:146 Resp: 943910

Ion Ratio Lower Upper

146 100

111 42.9 33.8 50.8

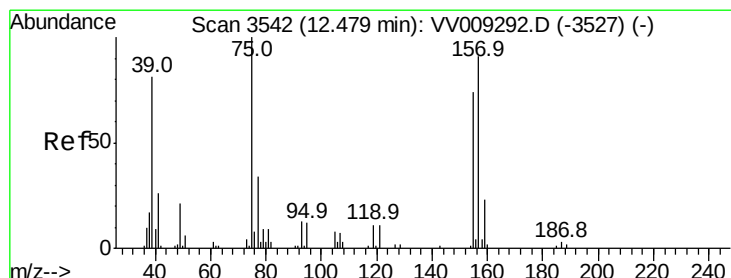
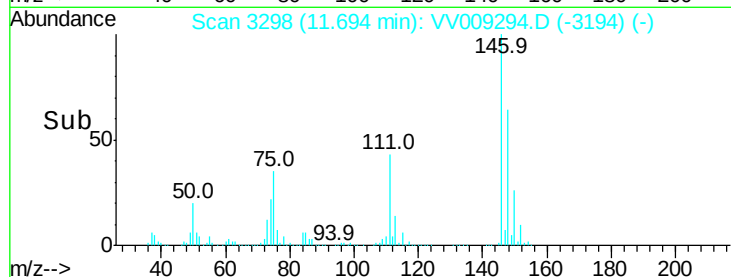
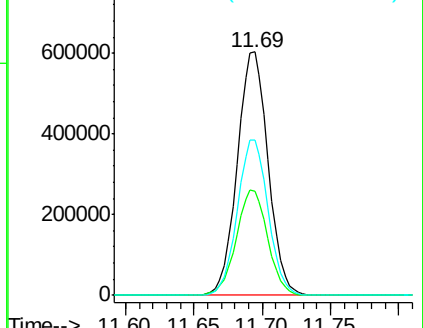
148 63.9 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 75.149 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

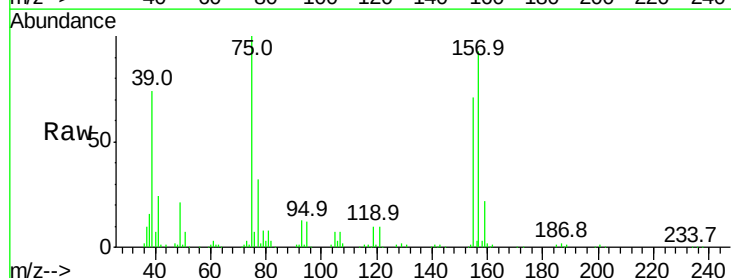
Tgt Ion: 75 Resp: 100837

Ion Ratio Lower Upper

75 100

157 93.3 72.6 109.0

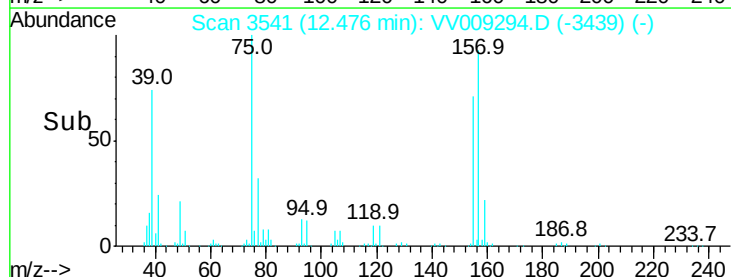
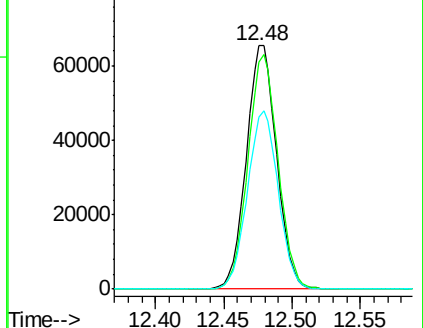
155 70.6 59.0 88.6

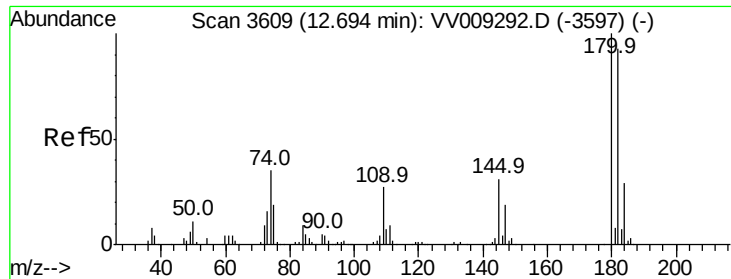


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

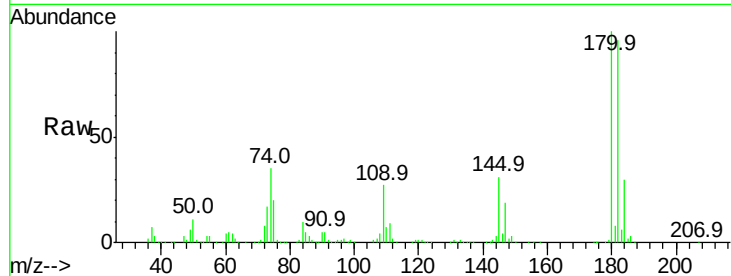




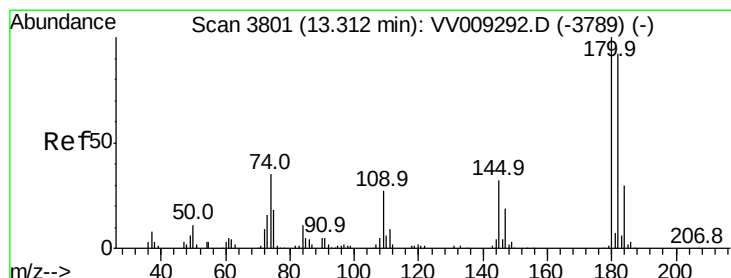
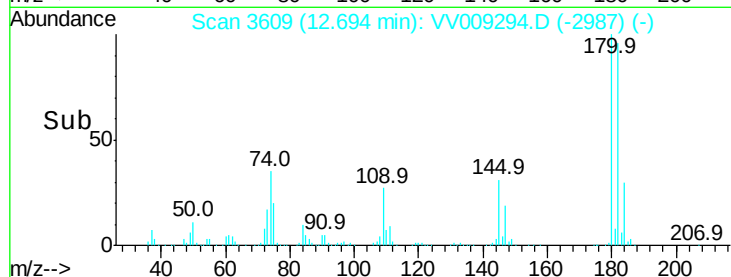
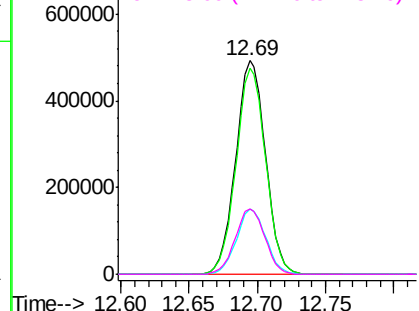
#67
 1,3,5-Trichlorobenzene
 Concen: 88.394 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion:180 Resp: 744443
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.5 113.3
 184 30.1 23.8 35.6
 145 30.6 24.5 36.7

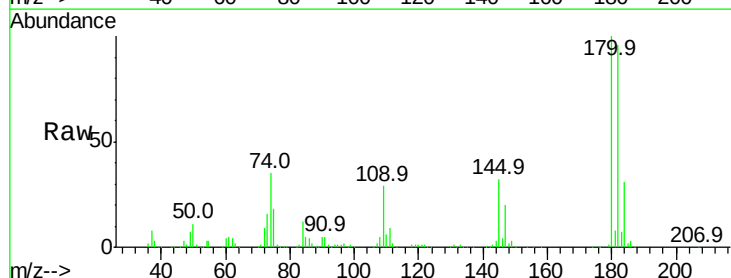


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

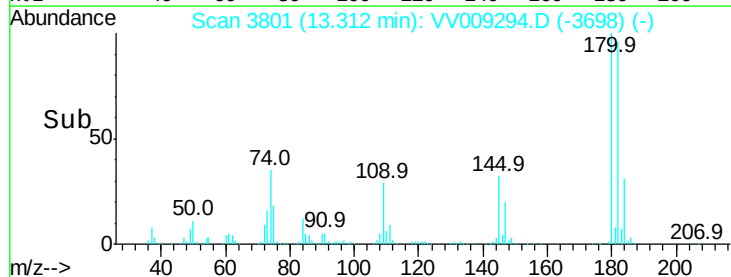
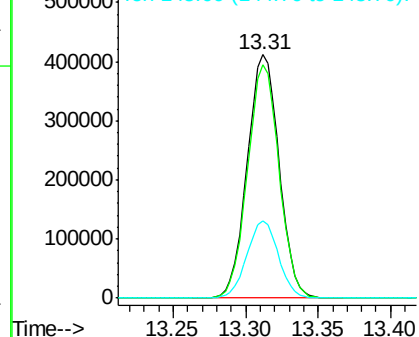


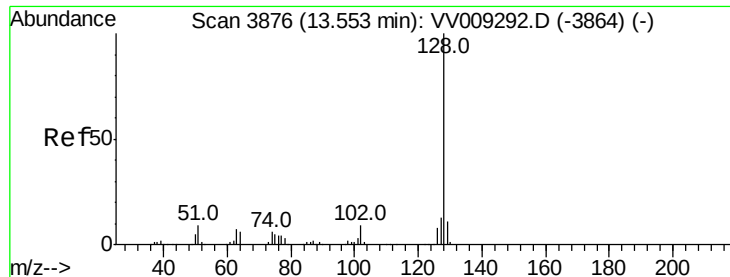
#68
 1,2,4-trichlorobenzene
 Concen: 95.861 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009294.D
 Acq: 13 Feb 2019 14:44

Tgt Ion:180 Resp: 629024
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.1 111.1
 145 31.4 25.4 38.2



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: 103.168 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

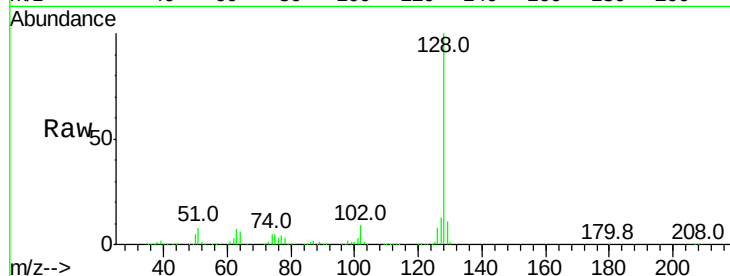
Tgt Ion:128 Resp: 1365266

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

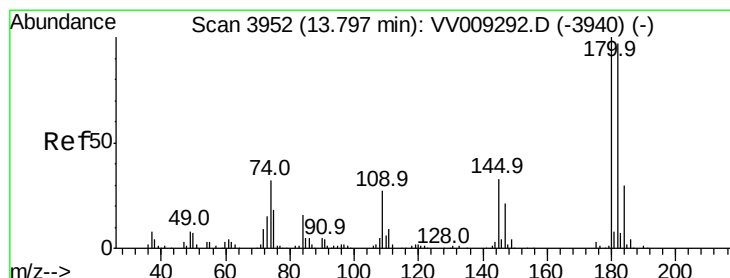
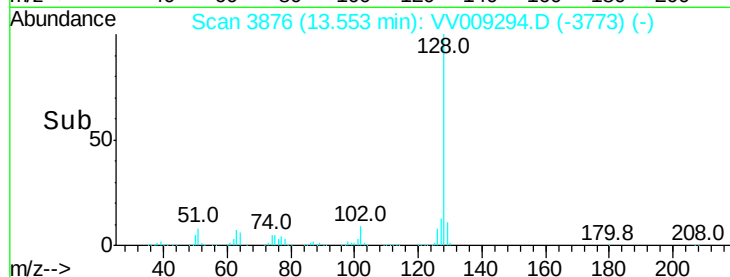
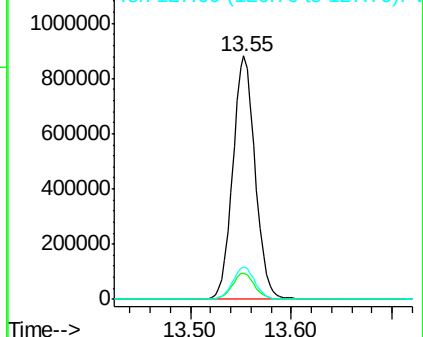
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 97.603 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009294.D

Acq: 13 Feb 2019 14:44

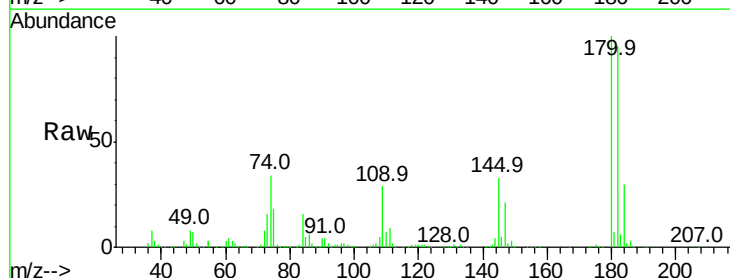
Tgt Ion:180 Resp: 582024

Ion Ratio Lower Upper

180 100

182 95.4 77.7 116.5

145 33.2 26.9 40.3



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

