

Data File : VV008574.D
Acq On : 16 Nov 2018 09:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Quant Time: Nov 16 23:10:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 04:13:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	295158	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	263228	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	115060	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88180	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	59424	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.10%
11) 1,1-Dichloroethene-d2	2.13	63	159454	47.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.28%
21) 2-Butanone-d5	3.93	46	159553	95.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.67%
24) Chloroform-d	4.41	84	202248	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.08	65	131072	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.82%
32) Benzene-d6	5.10	84	409233	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.12	67	131340	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.42%
41) Toluene-d8	7.36	98	364845	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%
43) trans-1,3-Dichloropropene-	7.67	79	60547	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
47) 2-Hexanone-d5	8.13	63	109030	92.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	165127	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.04%
64) 1,2-Dichlorobenzene-d4	11.68	152	124340	47.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	109203	47.649	ug/L	99
3) Chloromethane	1.25	50	101215	50.093	ug/L	99
5) Vinyl chloride	1.32	62	100555	50.323	ug/L	98
6) Bromomethane	1.53	94	33234	50.404	ug/L	96
8) Chloroethane	1.59	64	52805	48.400	ug/L	100
9) Trichlorofluoromethane	1.77	101	133467	48.556	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	75960	48.371	ug/L	98
12) 1,1-Dichloroethene	2.14	96	69828	49.793	ug/L	88
13) Acetone	2.20	43	89158	70.902	ug/L	97
14) Carbon disulfide	2.32	76	276844	48.240	ug/L	99
15) Methyl Acetate	2.46	43	117415	47.571	ug/L	99
16) Methylene chloride	2.54	84	104428	46.436	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	95516	47.528	ug/L	98
18) Methyl tert-butyl Ether	2.81	73	331511	48.031	ug/L	100
19) 1,1-Dichloroethane	3.23	63	189114	49.203	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	110017	48.158	ug/L	93
22) 2-Butanone	4.02	43	157088	86.198	ug/L	100

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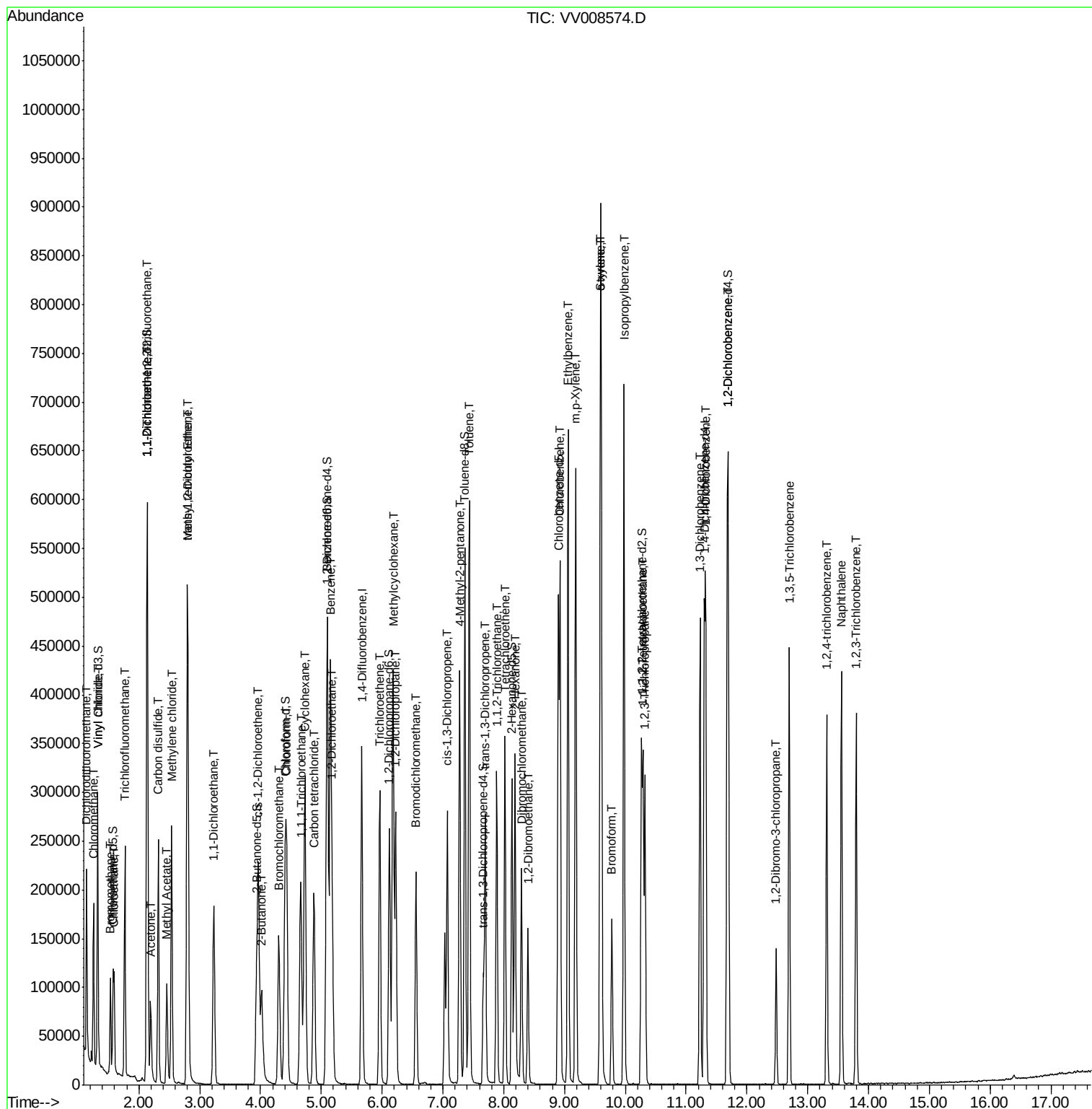
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	52091	48.202	ug/L	97
25) Chloroform	4.43	83	197077	45.677	ug/L	100
27) 1,2-Dichloroethane	5.18	62	147591	47.346	ug/L	100
29) Cyclohexane	4.73	56	182281	48.362	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	172333	51.088	ug/L	98
31) Carbon tetrachloride	4.88	117	148728	50.978	ug/L	98
33) Benzene	5.15	78	416413	49.262	ug/L	100
34) Trichloroethene	5.96	95	108263	48.874	ug/L	98
35) Methylcyclohexane	6.18	83	179559	47.606	ug/L	99
37) 1,2-Dichloropropane	6.22	63	111701	48.855	ug/L	100
38) Bromodichloromethane	6.56	83	146264	50.816	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	159633	45.709	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	294555	95.984	ug/L	99
42) Toluene	7.43	91	430472	49.000	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	151450	47.196	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	99365	48.563	ug/L	100
46) Tetrachloroethene	8.02	164	79221	49.889	ug/L	94
48) 2-Hexanone	8.19	43	213575	90.563	ug/L	99
49) Dibromochloromethane	8.29	129	111571	51.511	ug/L	99
50) 1,2-Dibromoethane	8.40	107	105034	49.155	ug/L	99
51) Chlorobenzene	8.93	112	266081	48.468	ug/L	99
52) Ethylbenzene	9.06	91	470596	48.651	ug/L	100
53) m,p-Xylene	9.18	106	174723	49.355	ug/L	97
54) o-xylene	9.59	106	174084	49.614	ug/L	100
55) Styrene	9.60	104	285220	49.687	ug/L	99
56) Isopropylbenzene	9.98	105	451531	48.885	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	157806	47.571	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	132061	48.574	ug/L	99
61) Bromoform	9.78	173	74374	53.303	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	189717	49.708	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	187588	49.047	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	190873	48.897	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	34969	50.141	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	129624	49.566	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	106851	51.521	ug/L	99
69) Naphthalene	13.55	128	321874	53.004	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	106671	51.091	ug/L	99

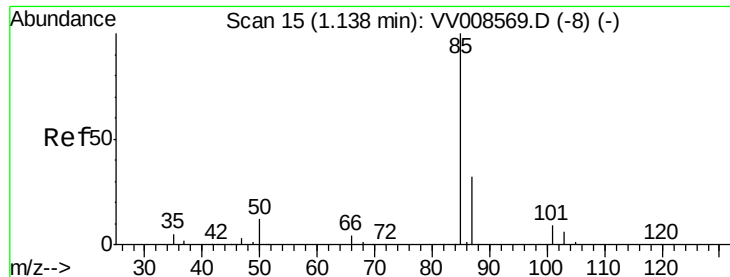
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.649 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

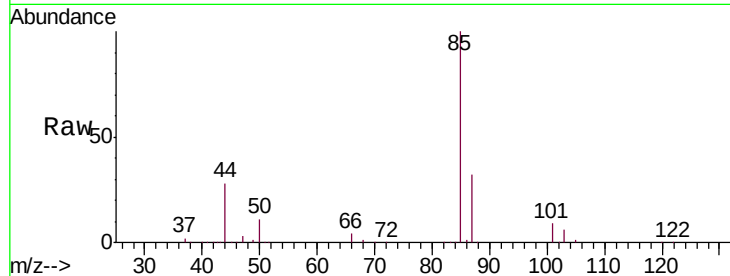
VSTD05074

Tgt Ion: 85 Resp: 109203

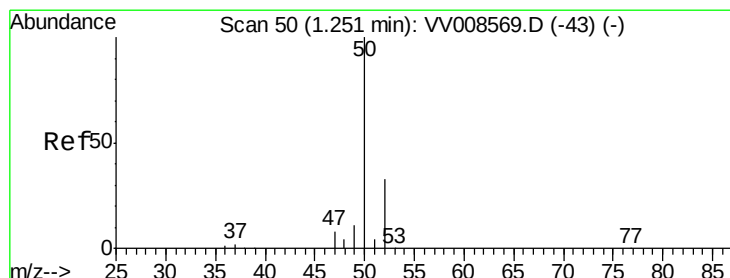
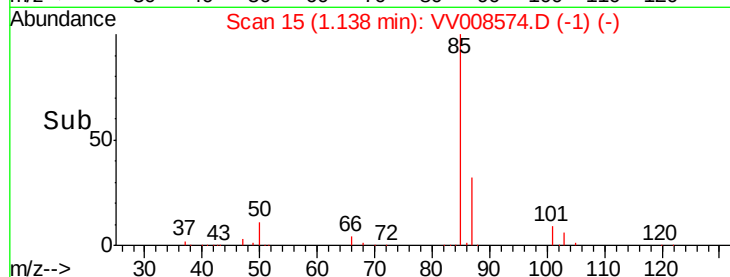
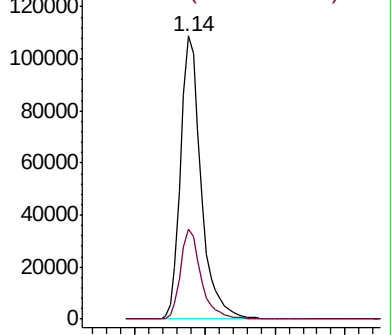
Ion Ratio Lower Upper

85 100

87 31.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008569.D (-8) (-)



#3

Chloromethane

Concen: 50.093 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008574.D

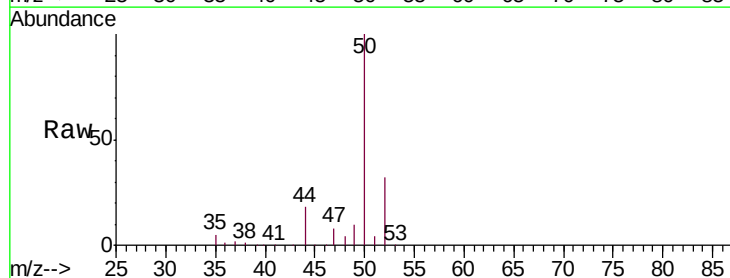
Acq: 16 Nov 2018 09:31

Tgt Ion: 50 Resp: 101215

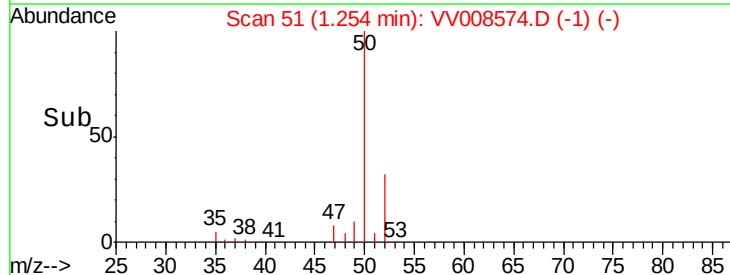
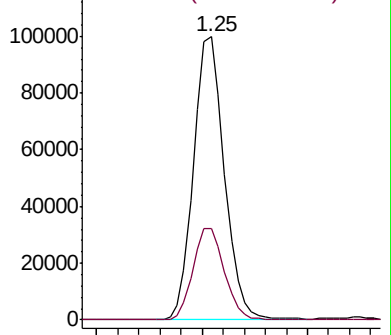
Ion Ratio Lower Upper

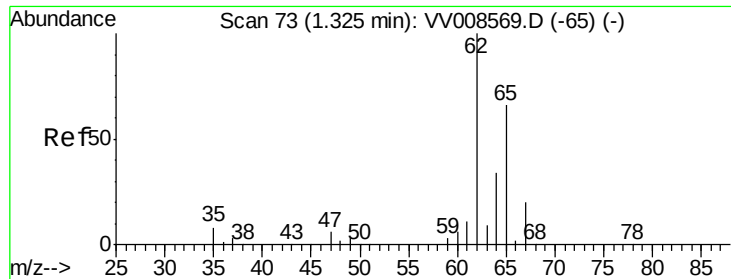
50 100

52 32.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008569.D (-43) (-)





#5

Vinyl chloride

Concen: 50.323 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

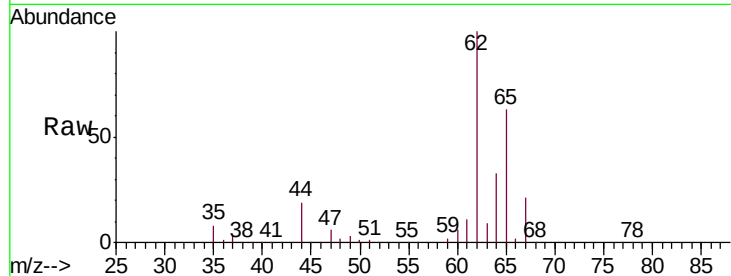
VSTD05074

Tgt Ion: 62 Resp: 100555

Ion Ratio Lower Upper

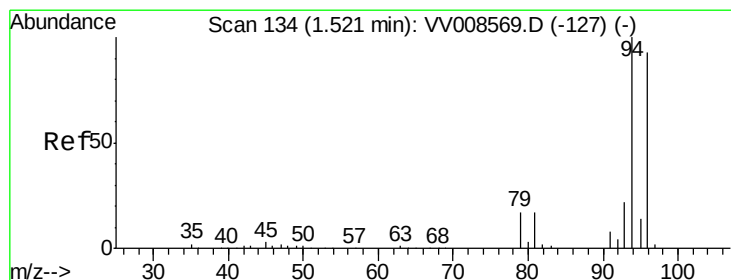
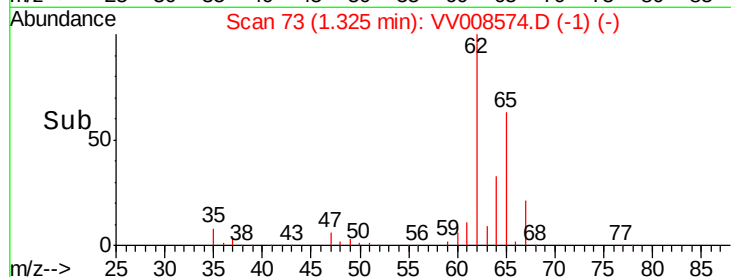
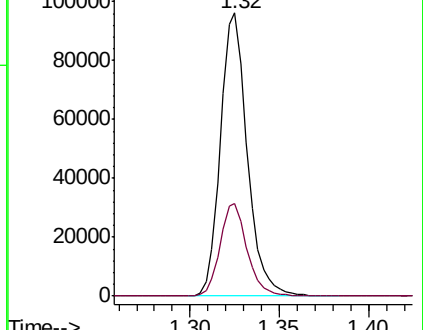
62 100

64 32.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV008569.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV008569.D (-65) (-)



#6

Bromomethane

Concen: 50.404 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV008574.D

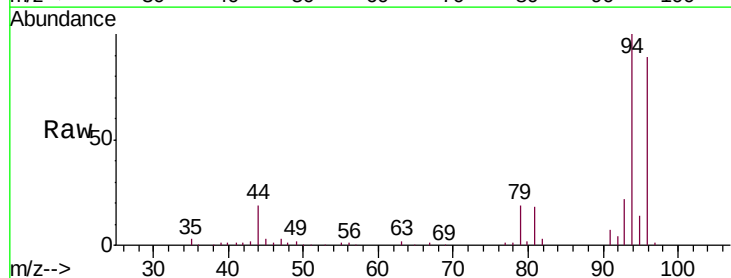
Acq: 16 Nov 2018 09:31

Tgt Ion: 94 Resp: 33234

Ion Ratio Lower Upper

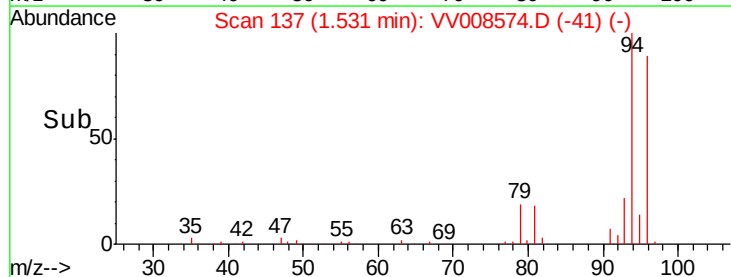
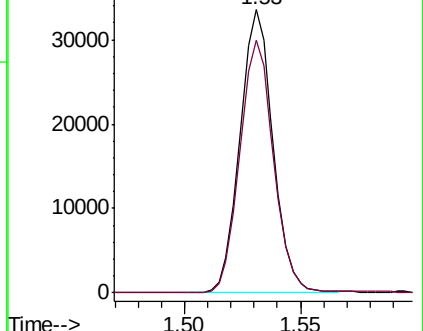
94 100

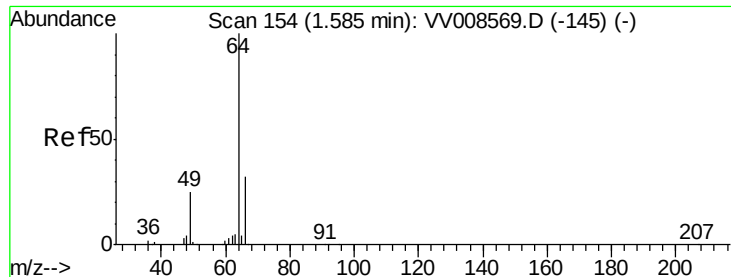
96 89.4 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV008569.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV008569.D (-127) (-)





#8

Chloroethane

Concen: 48.400 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.01 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

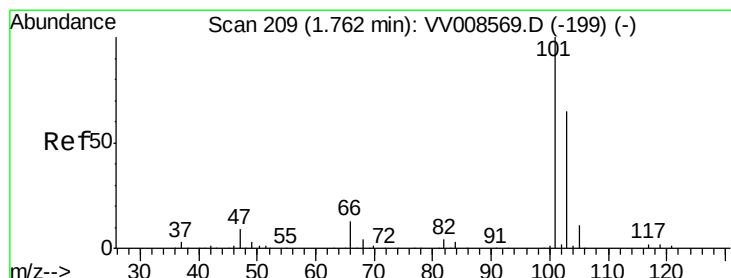
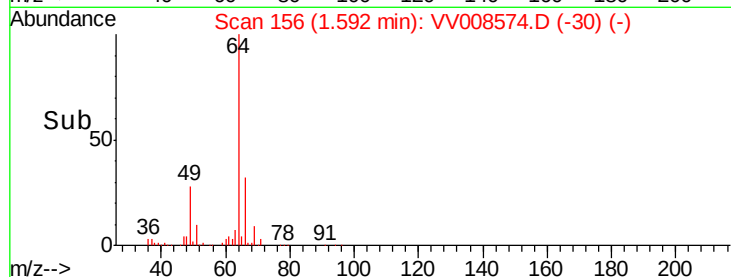
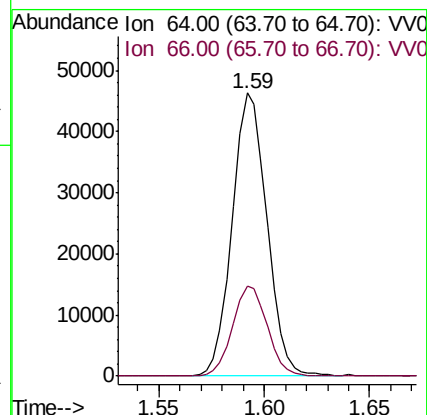
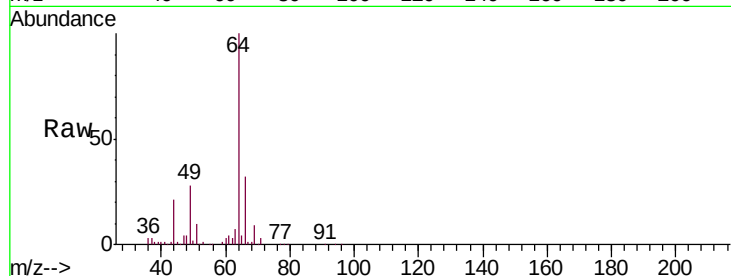
VSTD05074

Tgt Ion: 64 Resp: 52805

Ion Ratio Lower Upper

64 100

66 31.7 22.0 41.0



#9

Trichlorofluoromethane

Concen: 48.556 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.01 min

Lab File: VV008574.D

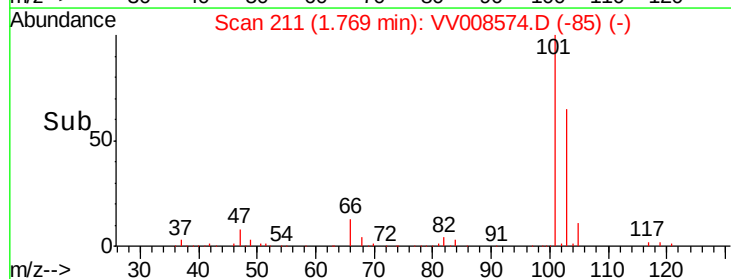
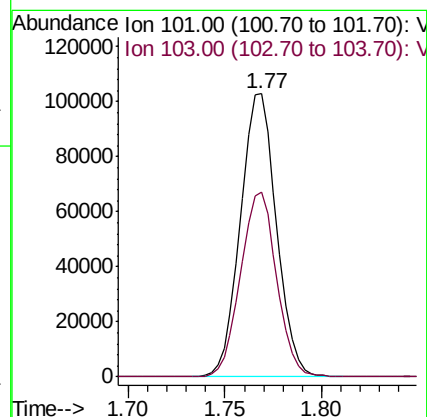
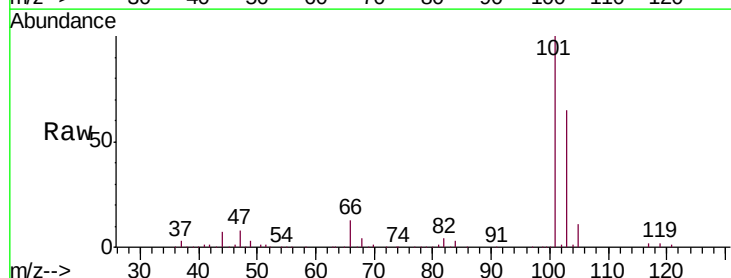
Acq: 16 Nov 2018 09:31

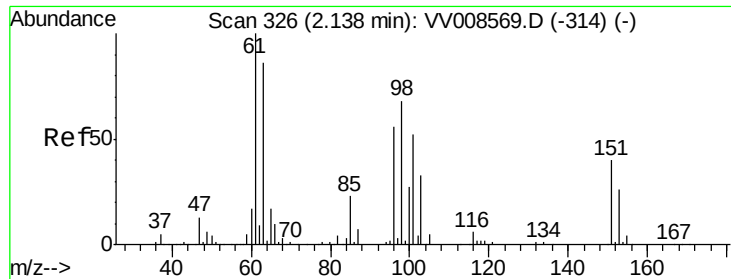
Tgt Ion: 101 Resp: 133467

Ion Ratio Lower Upper

101 100

103 65.2 52.5 78.7





#10

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

Concen: 48.371 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

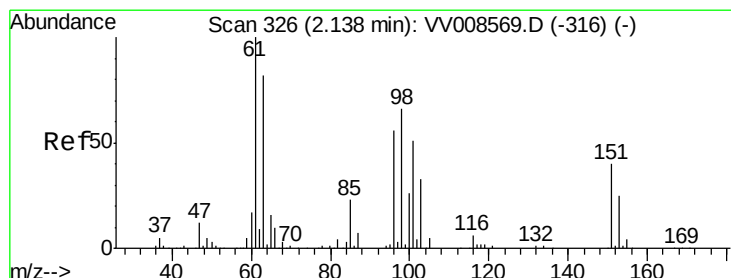
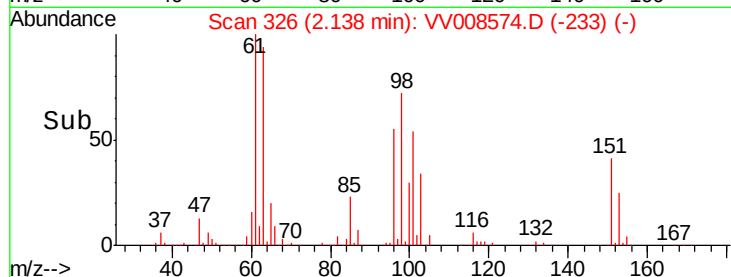
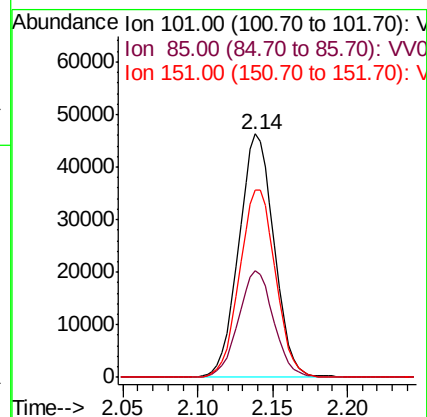
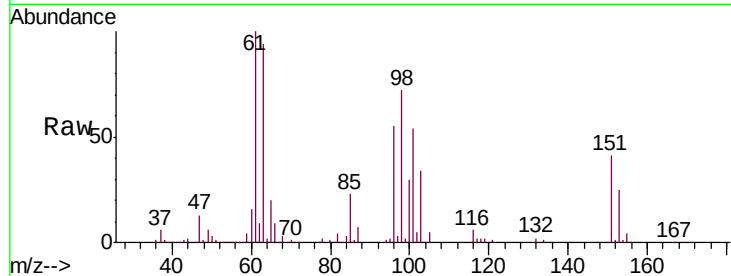
Tgt Ion:101 Resp: 75960

Ion Ratio Lower Upper

101 100

85 43.9 35.7 53.5

151 78.4 60.9 91.3



#12

1,1-Dichloroethene

Concen: 49.793 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

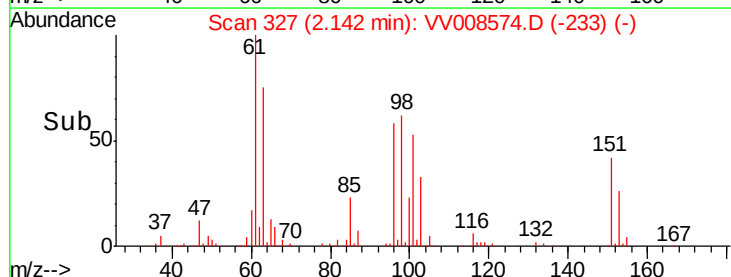
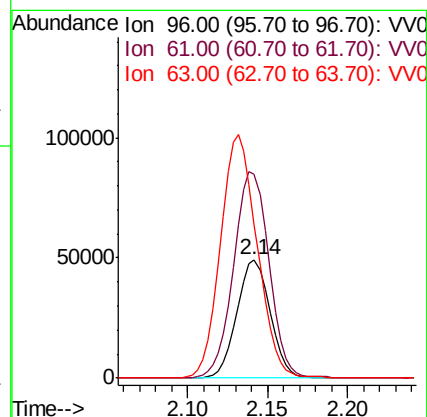
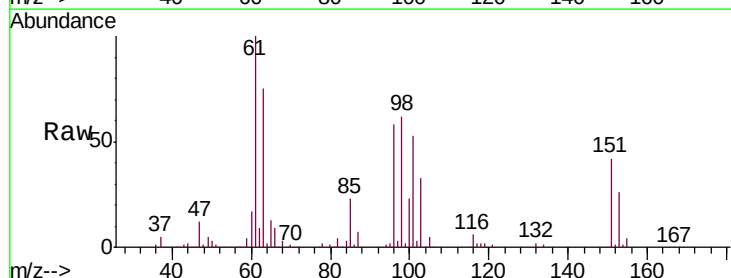
Tgt Ion: 96 Resp: 69828

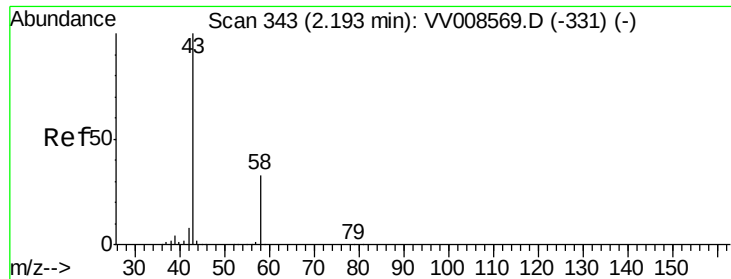
Ion Ratio Lower Upper

96 100

61 172.5 125.6 233.2

63 129.6 108.3 201.1





#13

Acetone

Concen: 70.902 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

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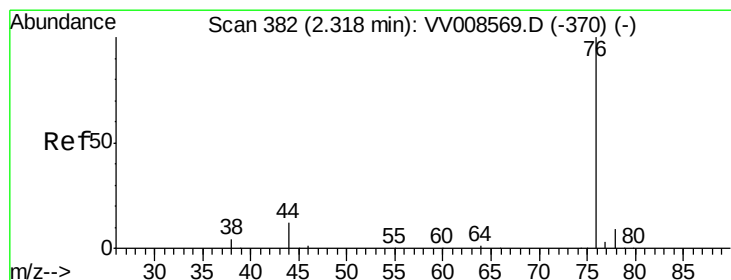
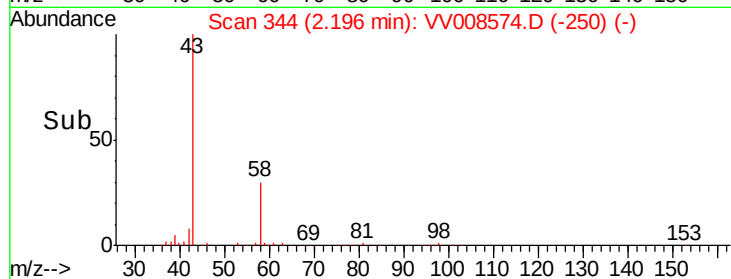
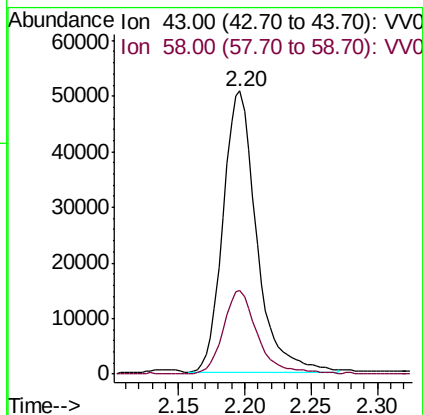
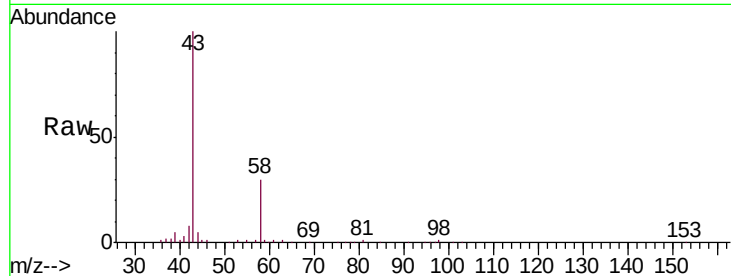
VSTD05074

Tgt Ion: 43 Resp: 89158

Ion Ratio Lower Upper

43 100

58 30.5 0.0 64.2



#14

Carbon disulfide

Concen: 48.240 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008574.D

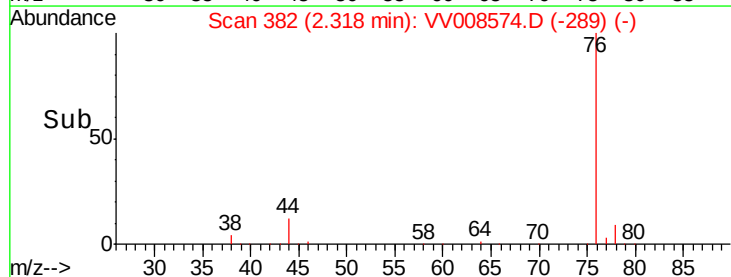
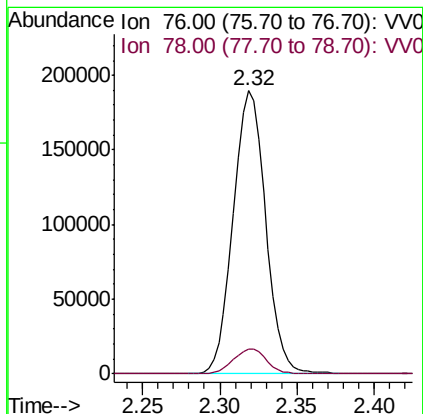
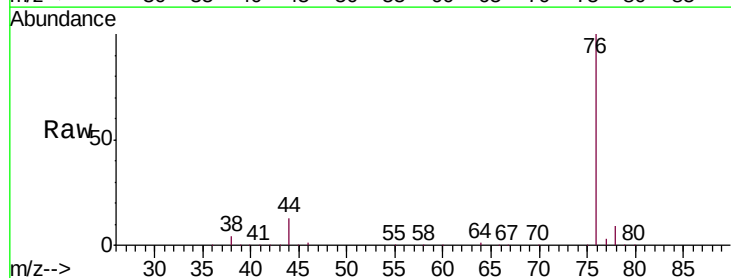
Acq: 16 Nov 2018 09:31

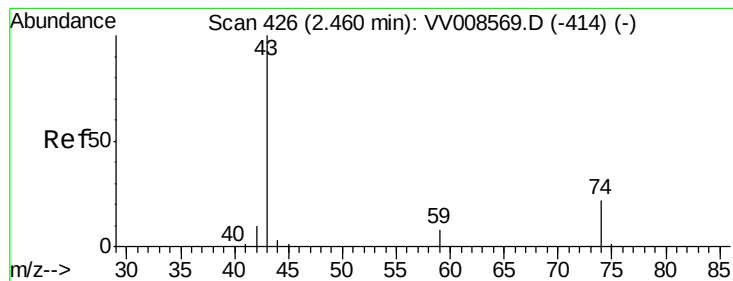
Tgt Ion: 76 Resp: 276844

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#15

Methyl Acetate

Concen: 47.571 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

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ClientSampleId :

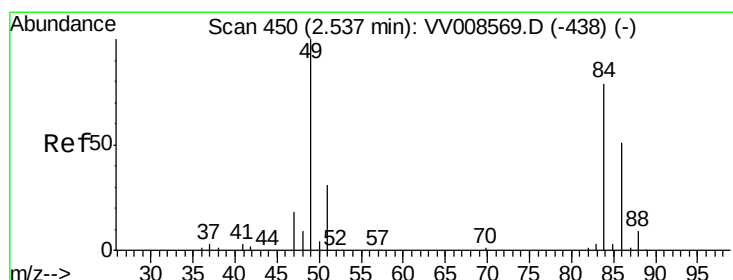
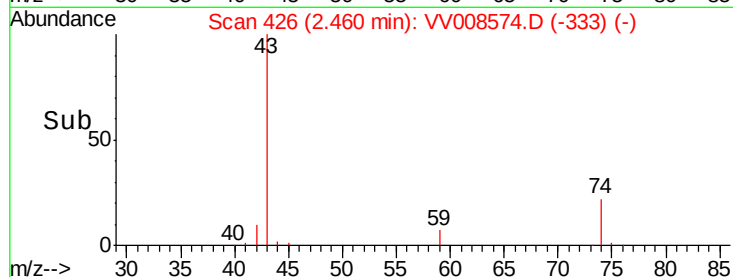
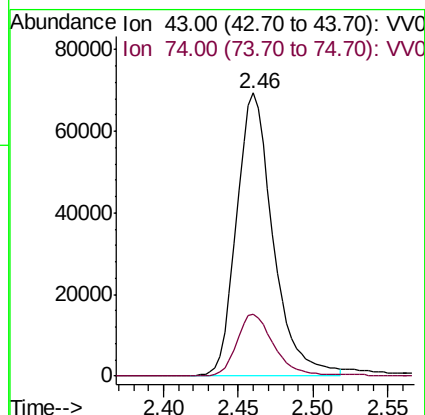
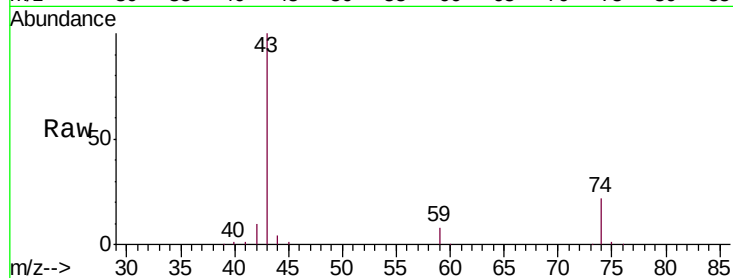
VSTD05074

Tgt Ion: 43 Resp: 117415

Ion Ratio Lower Upper

43 100

74 22.4 18.2 27.4



#16

Methylene chloride

Concen: 46.436 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

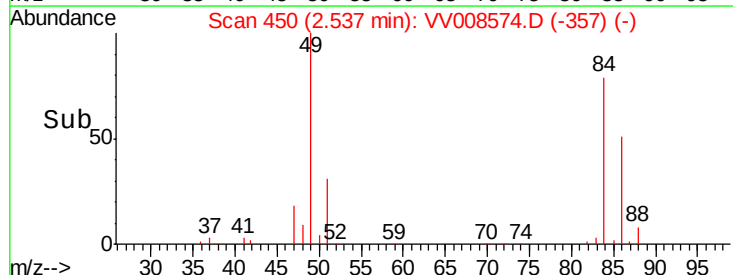
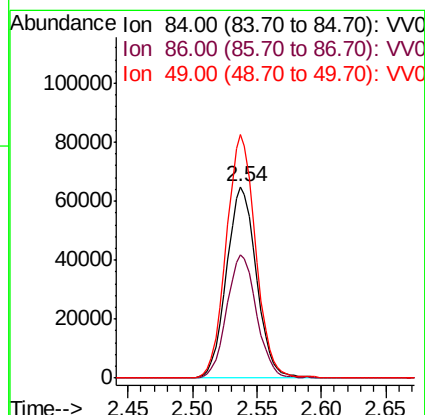
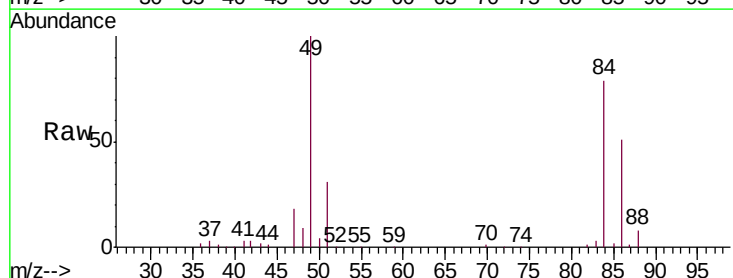
Tgt Ion: 84 Resp: 104428

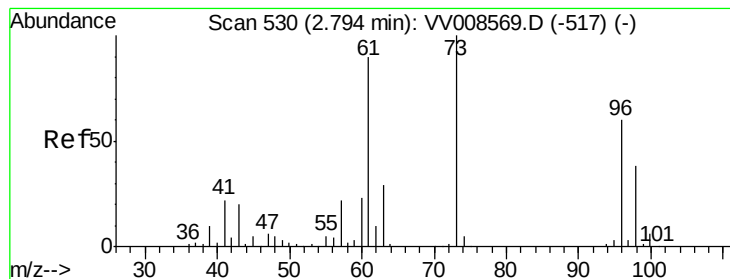
Ion Ratio Lower Upper

84 100

86 64.2 44.8 83.2

49 127.1 88.1 163.7





#17

trans-1,2-Dichloroethene

Concen: 47.528 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

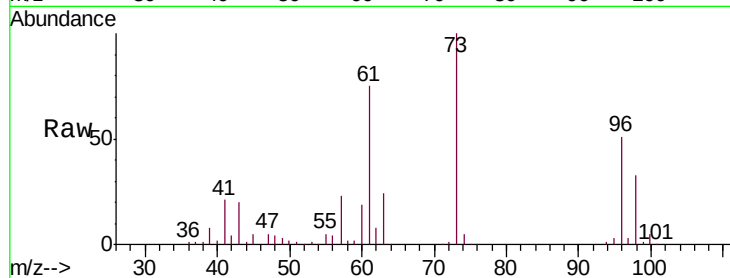
Tgt Ion: 96 Resp: 95516

Ion Ratio Lower Upper

96 100

61 146.4 104.9 194.9

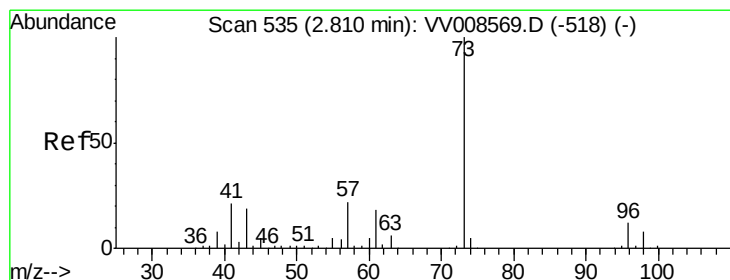
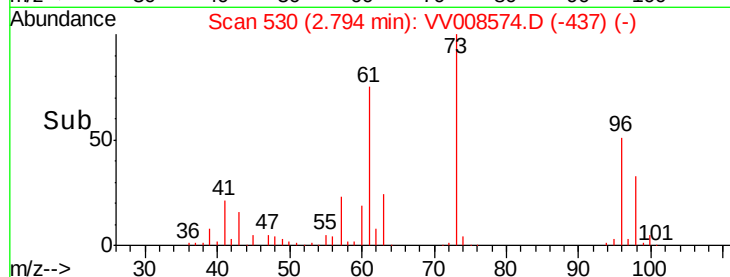
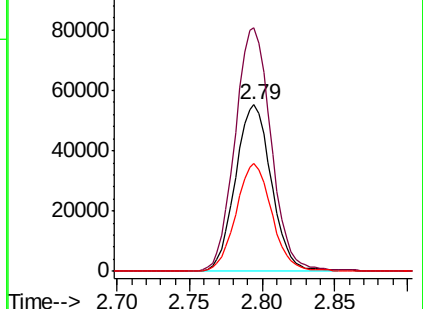
98 64.5 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV008569.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008569.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008569.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 48.031 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

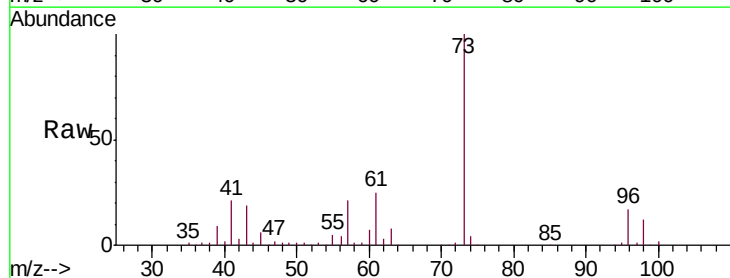
Tgt Ion: 73 Resp: 331511

Ion Ratio Lower Upper

73 100

43 19.3 15.4 23.2

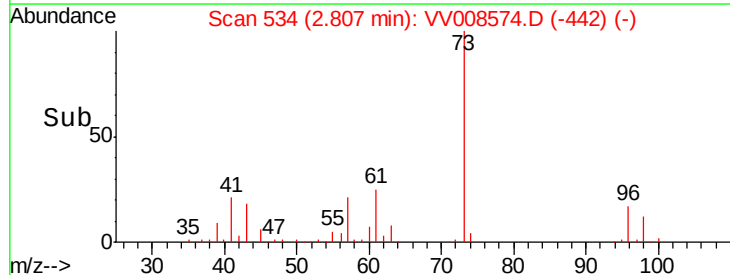
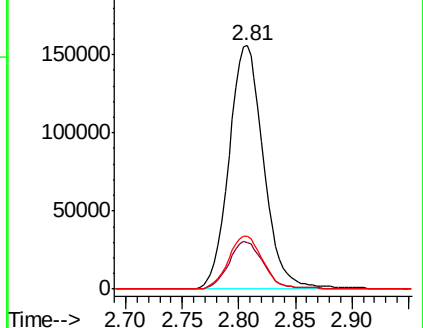
57 22.1 17.5 26.3

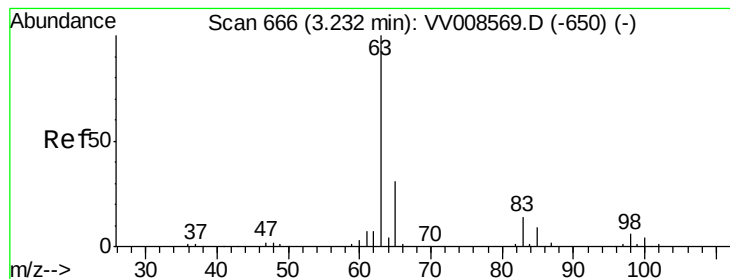


Abundance Ion 73.00 (72.70 to 73.70): VV008569.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV008569.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV008569.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 49.203 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

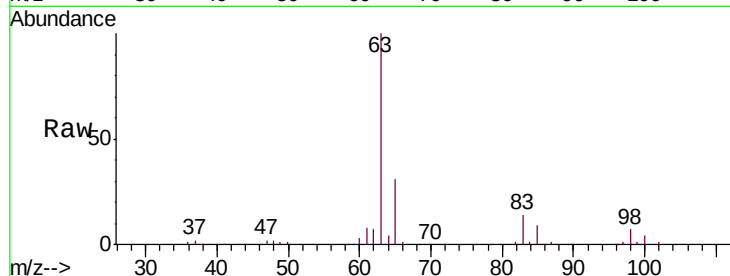
Tgt Ion: 63 Resp: 189114

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.6

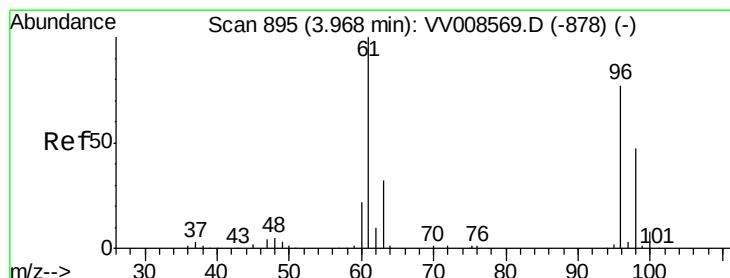
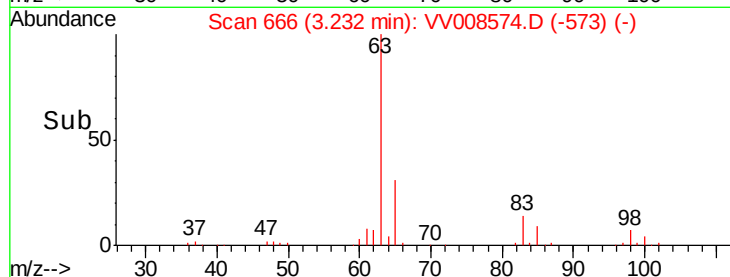
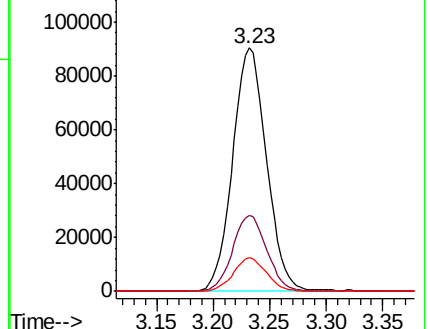
83 13.7 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV008569.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV008569.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV008569.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.158 ug/L

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

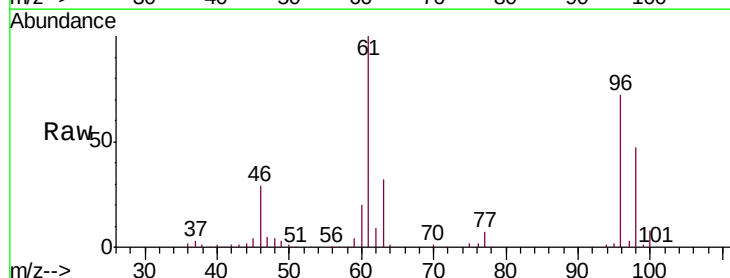
Tgt Ion: 96 Resp: 110017

Ion Ratio Lower Upper

96 100

61 138.9 91.3 169.6

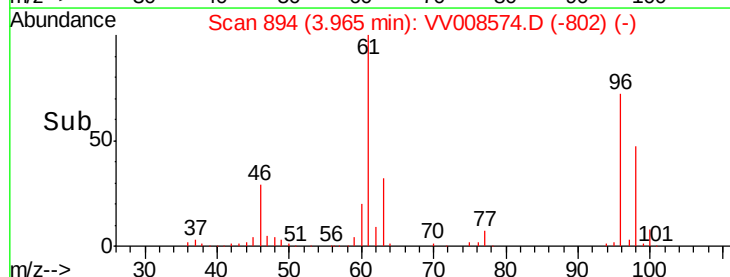
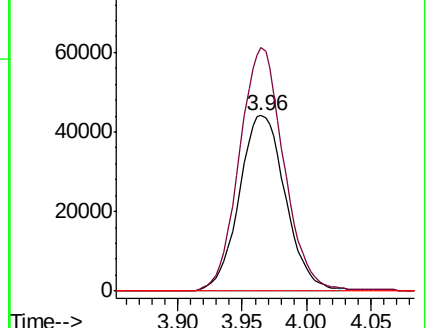
68 0.0 0.0 0.0

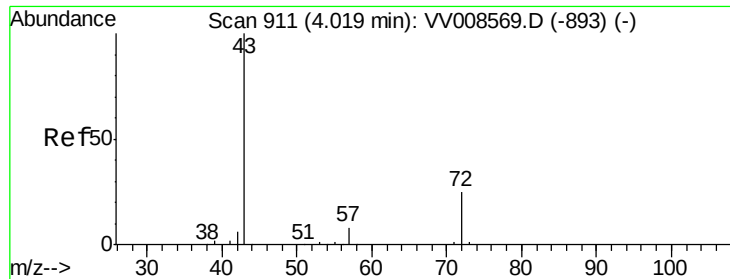


Abundance Ion 96.00 (95.70 to 96.70): VV008569.D (-878) (-)

Ion 61.00 (60.70 to 61.70): VV008569.D (-878) (-)

Ion 68.00 (67.70 to 68.70): VV008569.D (-878) (-)





#22

2-Butanone

Concen: 86.198 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

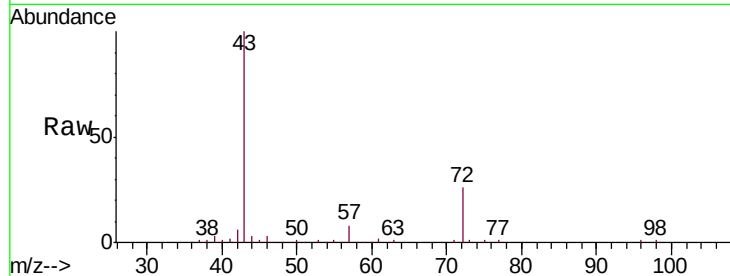
VSTD05074

Tgt Ion: 43 Resp: 157088

Ion Ratio Lower Upper

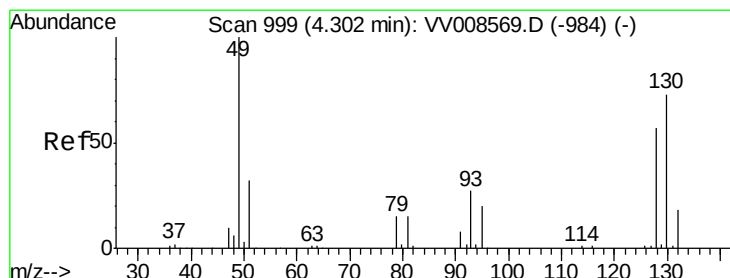
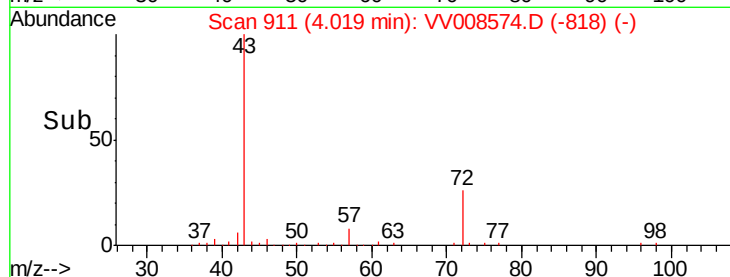
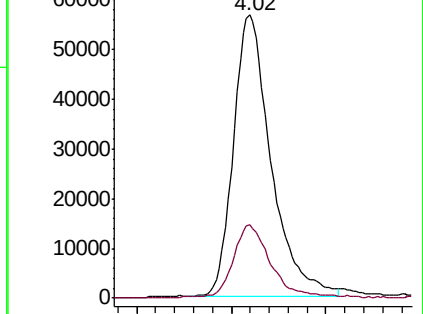
43 100

72 25.0 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV008569.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV008569.D (-893) (-)



#23

Bromochloromethane

Concen: 48.202 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Tgt Ion: 128 Resp: 52091

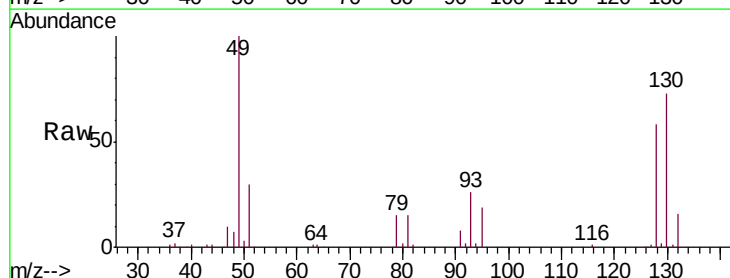
Ion Ratio Lower Upper

128 100

49 172.1 122.8 228.1

130 125.1 89.9 167.0

51 51.2 44.3 66.5

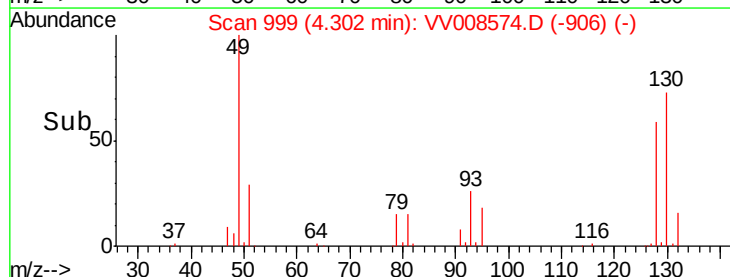
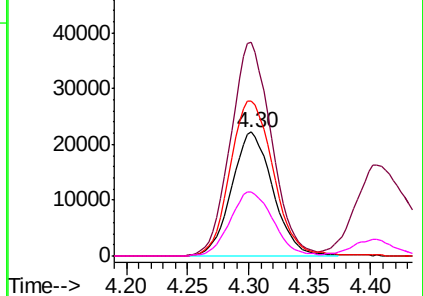


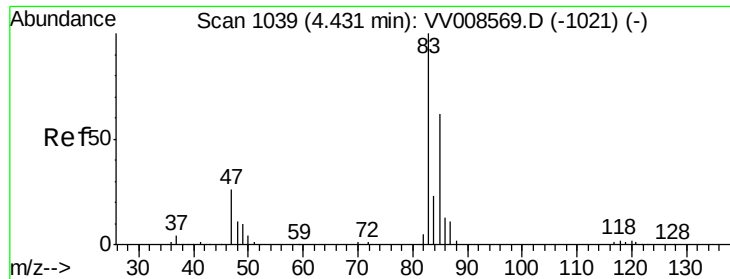
Abundance Ion 128.00 (127.70 to 128.70): VV008569.D (-984) (-)

Ion 49.00 (48.70 to 49.70): VV008569.D (-984) (-)

Ion 130.00 (129.70 to 130.70): VV008569.D (-984) (-)

Ion 51.00 (50.70 to 51.70): VV008569.D (-984) (-)

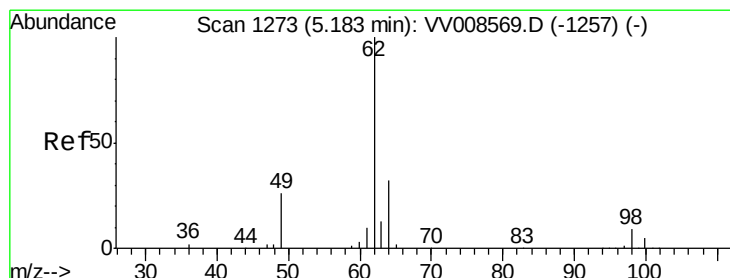
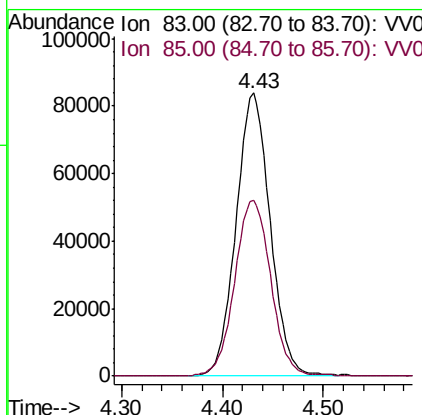
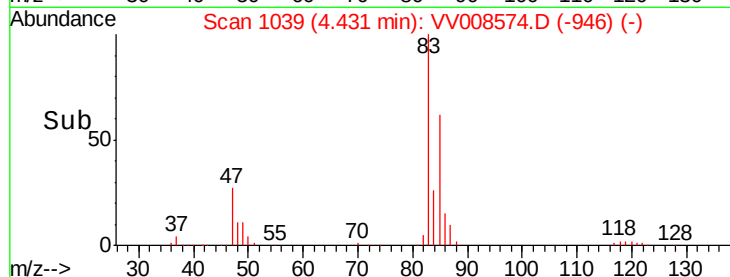
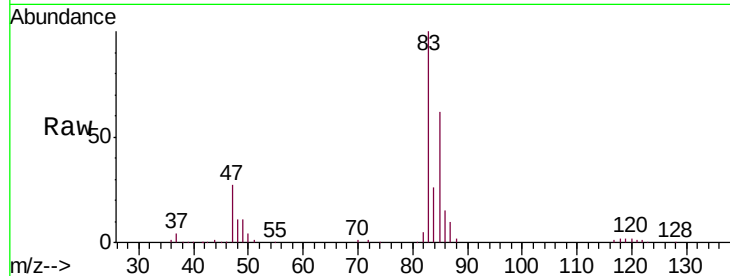




#25
Chloroform
Concen: 45.677 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008574.D
Acq: 16 Nov 2018 09:31

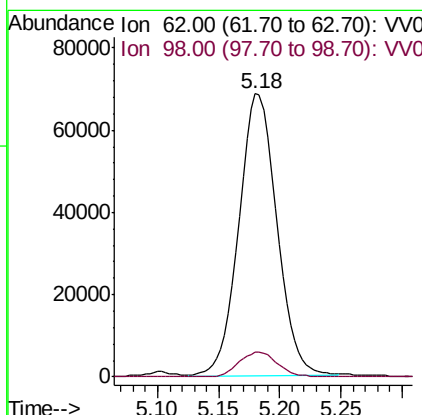
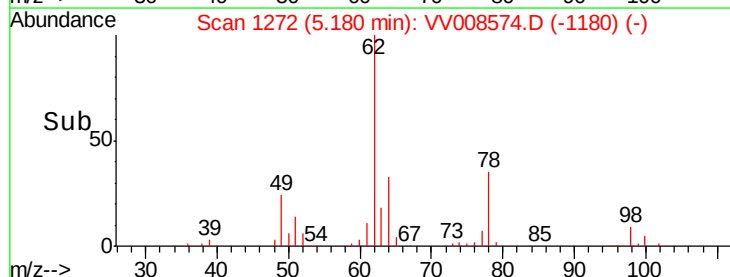
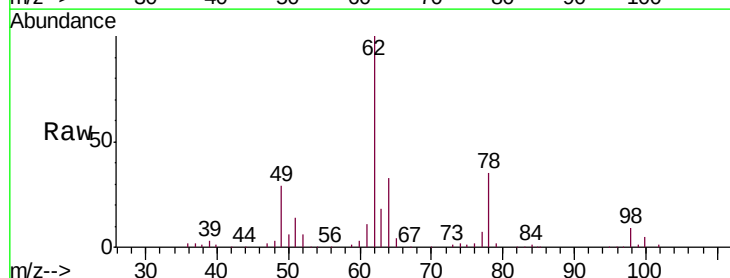
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

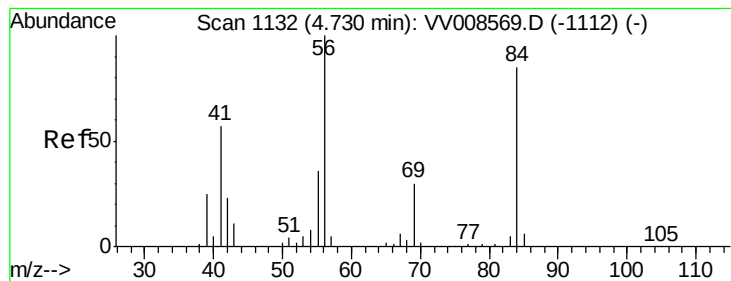
Tgt Ion: 83 Resp: 197077
Ion Ratio Lower Upper
83 100
85 62.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 47.346 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV008574.D
Acq: 16 Nov 2018 09:31

Tgt Ion: 62 Resp: 147591
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4





#29

Cyclohexane

Concen: 48.362 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

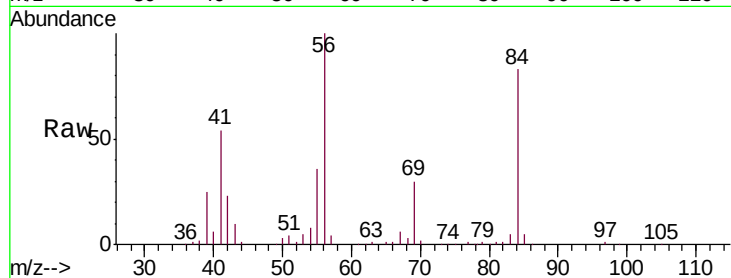
Tgt Ion: 56 Resp: 182281

Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.2

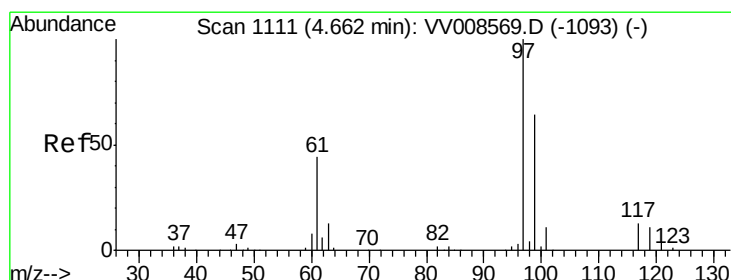
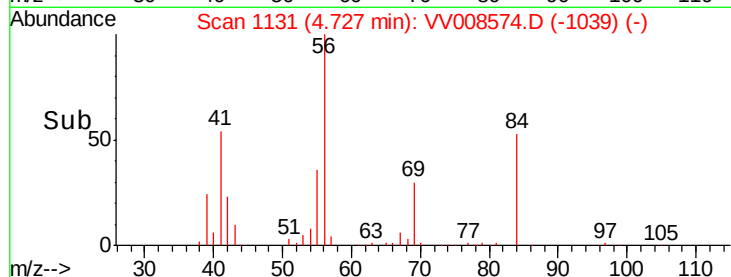
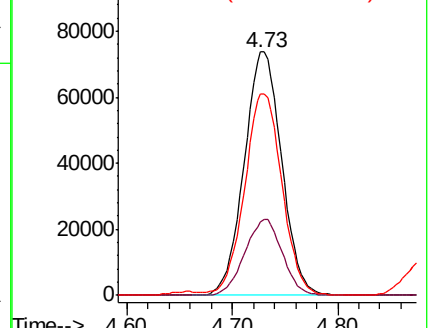
84 82.9 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VV008569.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV008569.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV008569.D (-1112) (-)



#30

1,1,1-Trichloroethane

Concen: 51.088 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

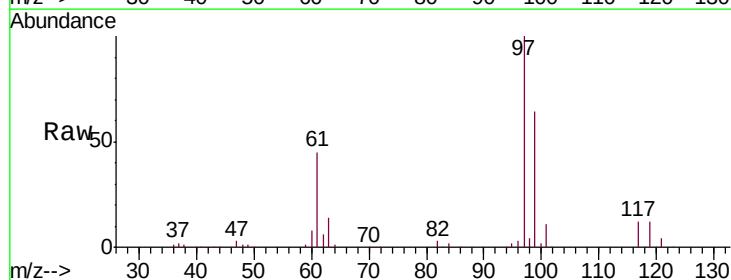
Tgt Ion: 97 Resp: 172333

Ion Ratio Lower Upper

97 100

99 62.3 51.4 77.2

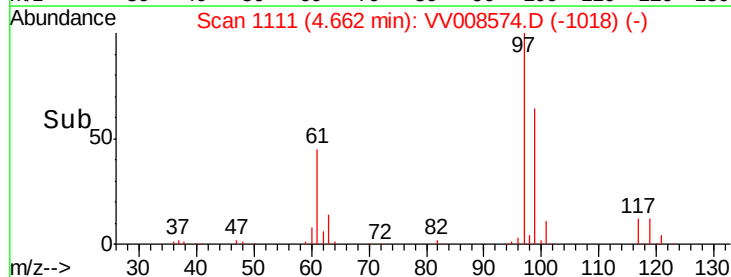
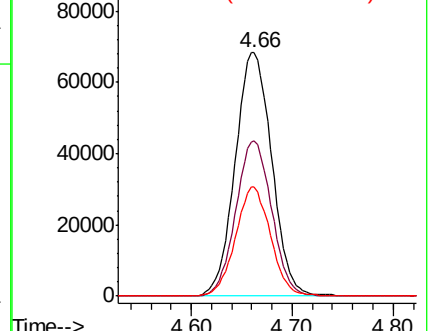
61 43.1 34.3 51.5

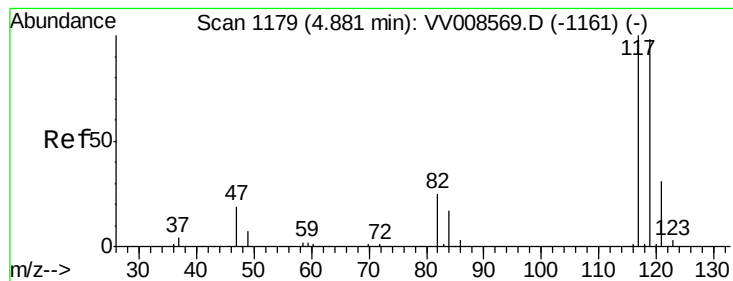


Abundance Ion 97.00 (96.70 to 97.70): VV008569.D (-1093) (-)

Ion 99.00 (98.70 to 99.70): VV008569.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV008569.D (-1093) (-)





#31

Carbon tetrachloride

Concen: 50.978 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

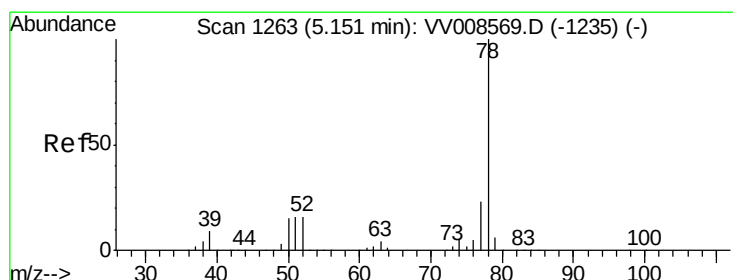
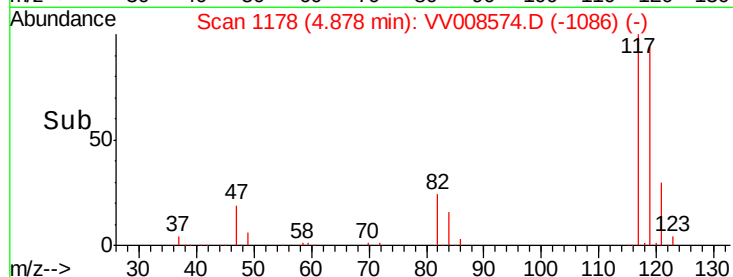
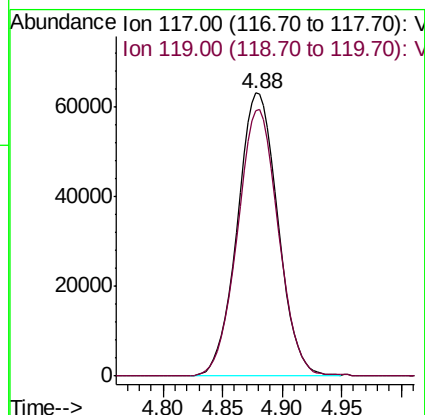
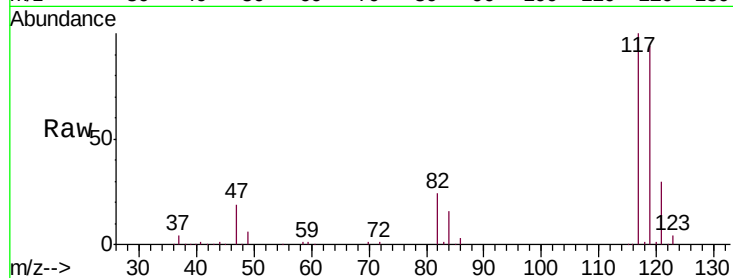
VSTD05074

Tgt Ion:117 Resp: 148728

Ion Ratio Lower Upper

117 100

119 94.9 77.4 116.0



#33

Benzene

Concen: 49.262 ug/L

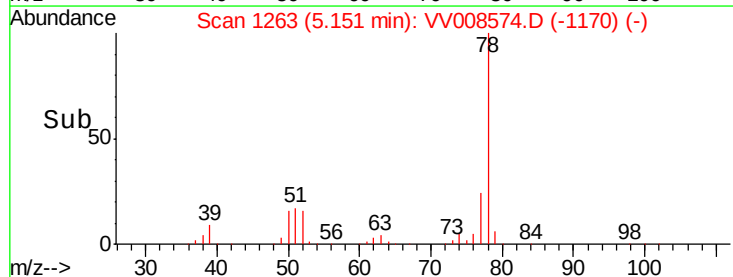
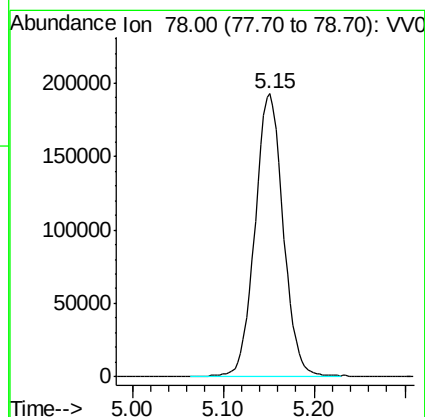
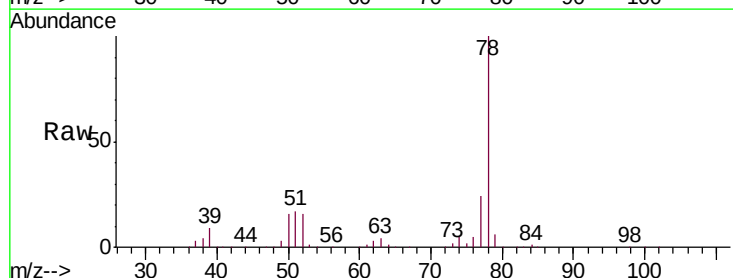
RT: 5.15 min Scan# 1263

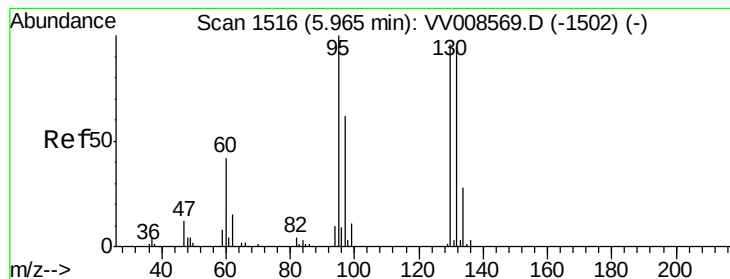
Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Tgt Ion: 78 Resp: 416413





#34

Trichloroethene

Concen: 48.874 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

Tgt Ion: 95 Resp: 108263

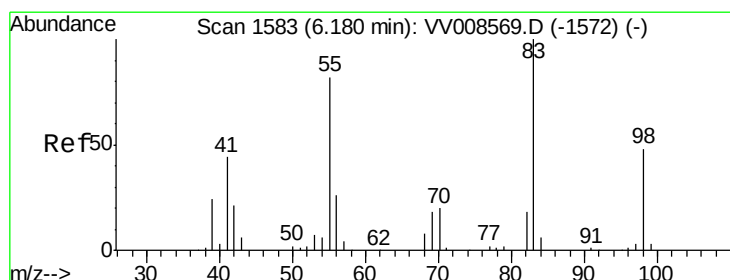
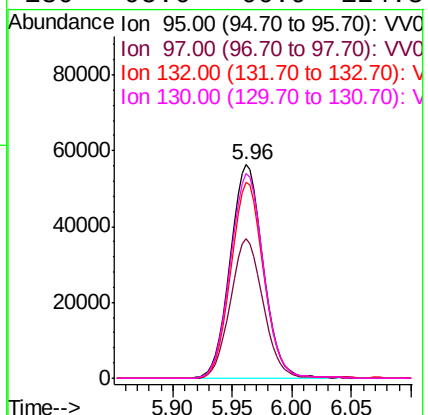
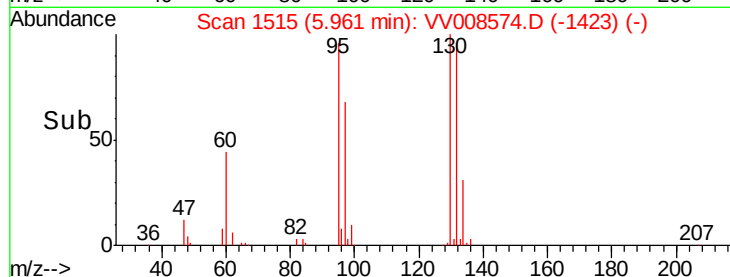
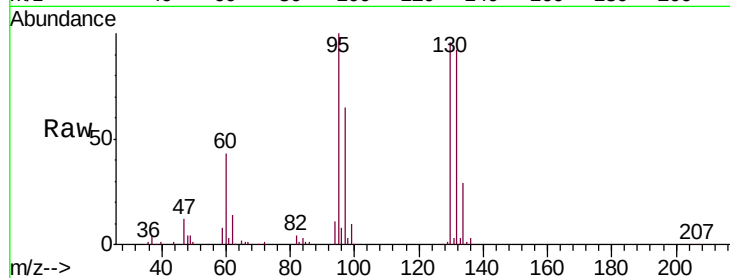
Ion Ratio Lower Upper

95 100

97 65.1 43.6 81.0

132 91.8 65.9 122.3

130 95.6 66.9 124.3



#35

Methylcyclohexane

Concen: 47.606 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

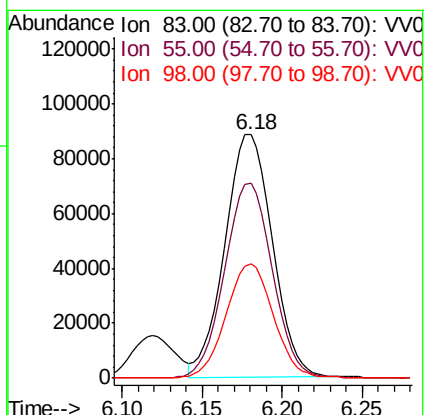
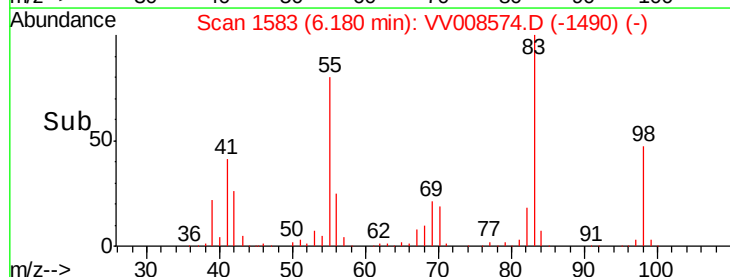
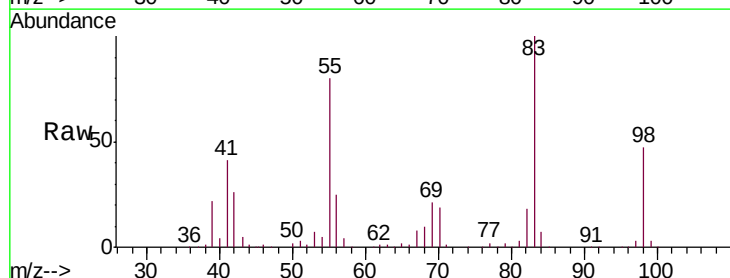
Tgt Ion: 83 Resp: 179559

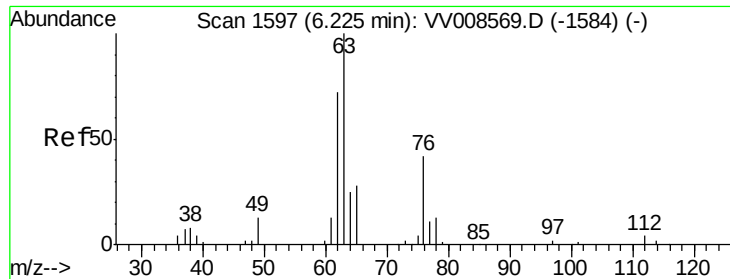
Ion Ratio Lower Upper

83 100

55 81.1 65.5 98.3

98 47.3 37.9 56.9

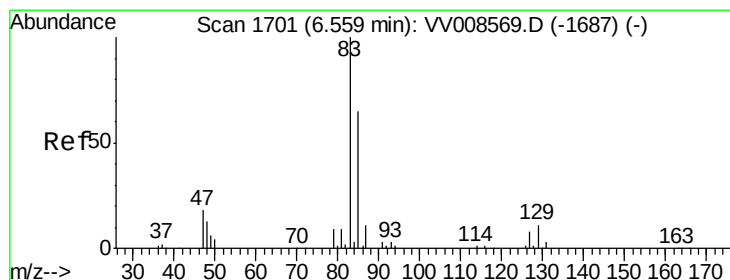
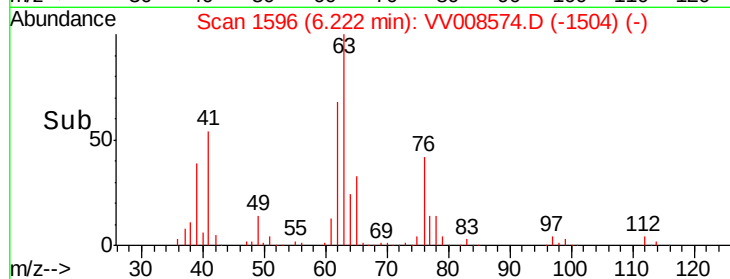
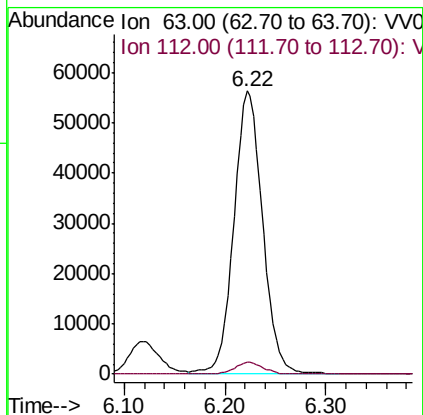
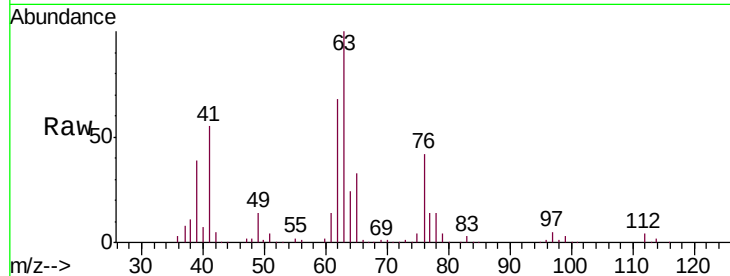




#37
 1,2-Dichloropropane
 Concen: 48.855 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

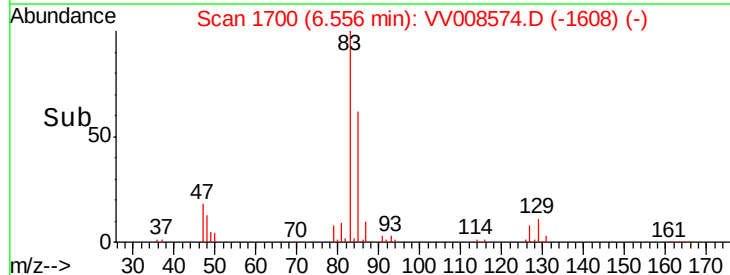
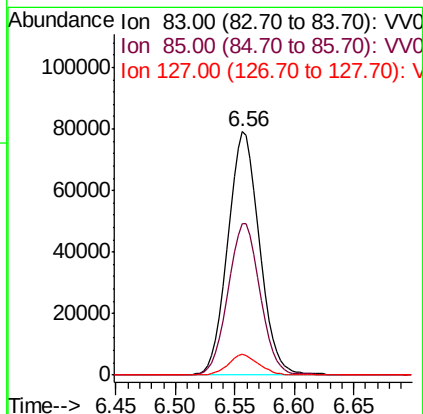
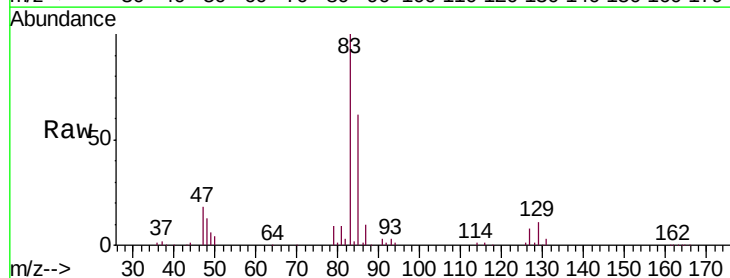
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

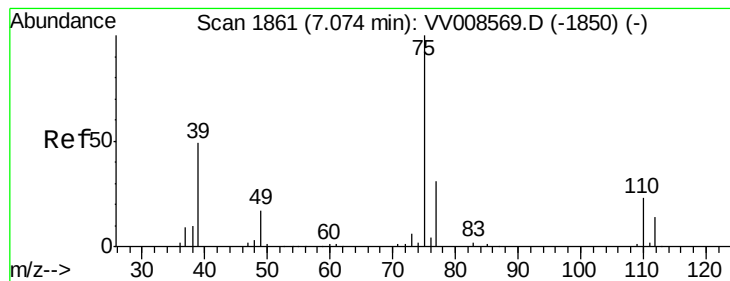
Tgt Ion: 63 Resp: 111701
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 50.816 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Tgt Ion: 83 Resp: 146264
 Ion Ratio Lower Upper
 83 100
 85 62.0 45.4 84.4
 127 8.4 6.6 10.0



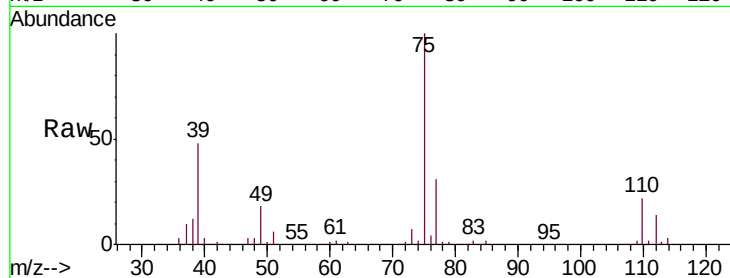


#39

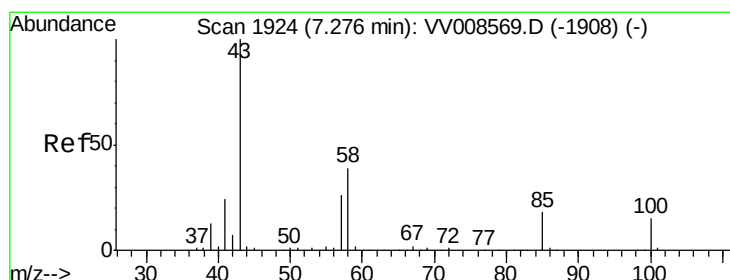
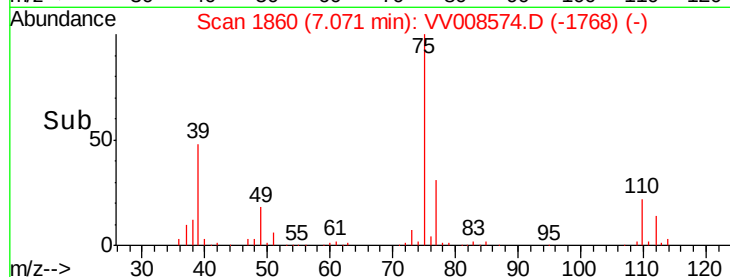
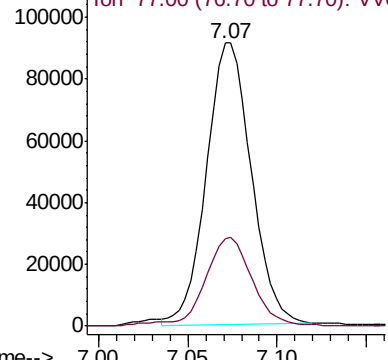
cis-1,3-Dichloropropene
 Concen: 45.709 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05074

Tgt Ion: 75 Resp: 159633
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.1 41.1



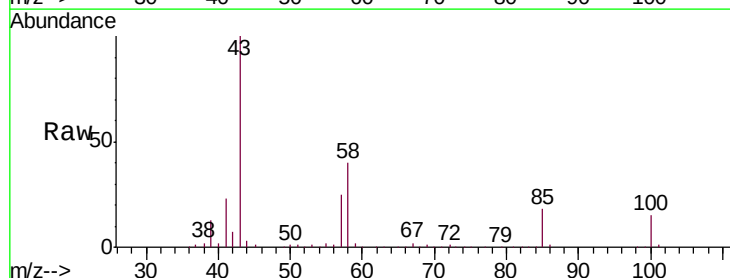
Abundance Ion 75.00 (74.70 to 75.70): VV008569.D (-1850) (-)
 Ion 77.00 (76.70 to 77.70): VV008569.D (-1850) (-)



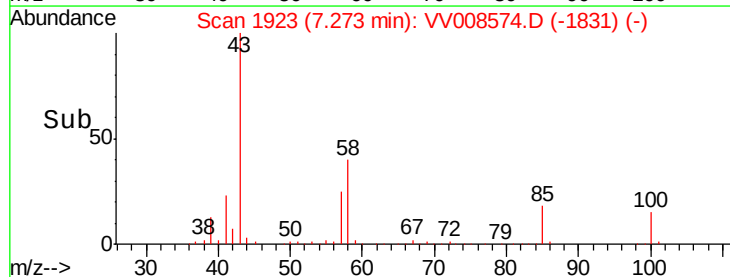
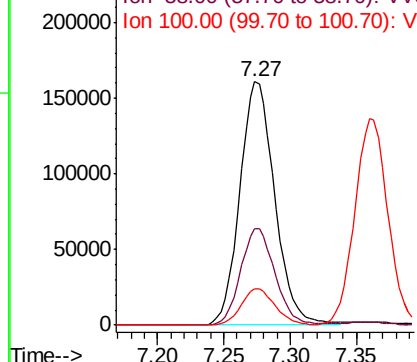
#40

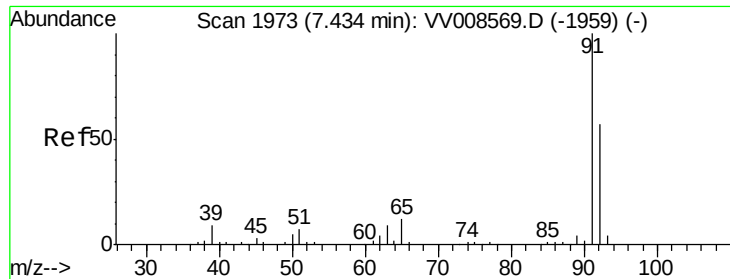
4-Methyl-2-pentanone
 Concen: 95.984 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Tgt Ion: 43 Resp: 294555
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.9 46.3
 100 14.5 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VV008569.D (-1908) (-)
 Ion 58.00 (57.70 to 58.70): VV008569.D (-1908) (-)
 Ion 100.00 (99.70 to 100.70): VV008569.D (-1908) (-)





#42

Toluene

Concen: 49.000 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

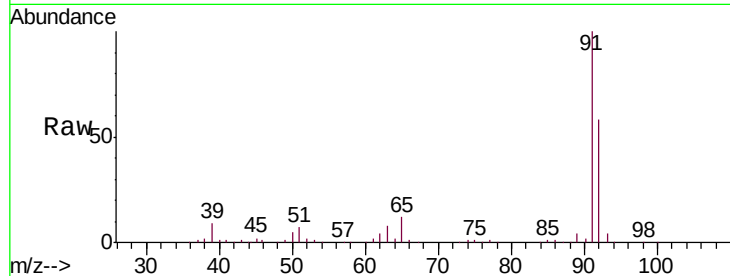
VSTD05074

Tgt Ion: 91 Resp: 430472

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VV008569.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008569.D (-1959) (-)

7.43

250000

200000

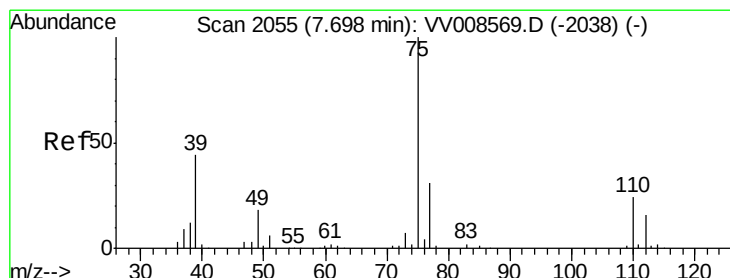
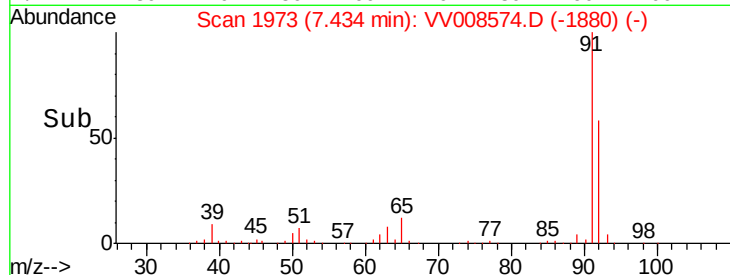
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.196 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008574.D

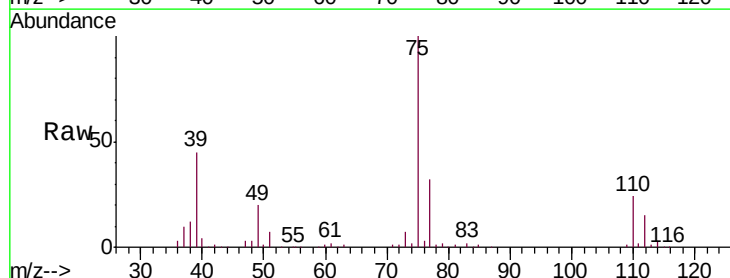
Acq: 16 Nov 2018 09:31

Tgt Ion: 75 Resp: 151450

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV008569.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV008569.D (-2038) (-)

7.69

100000

80000

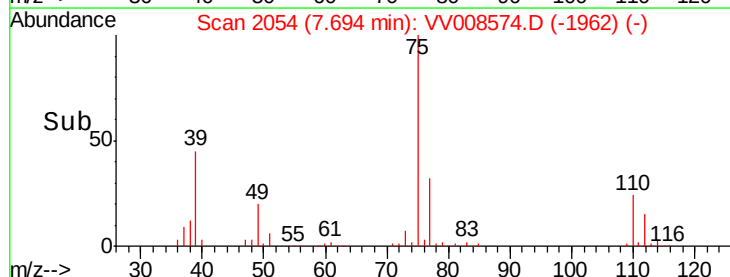
60000

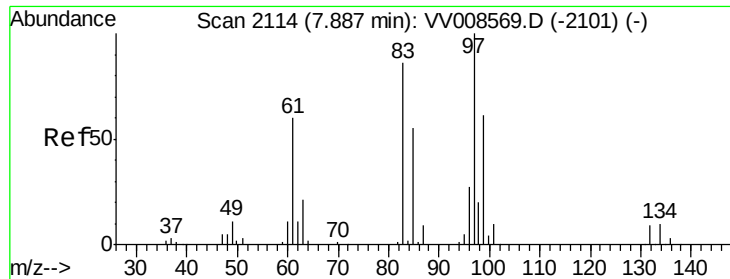
40000

20000

0

Time-->

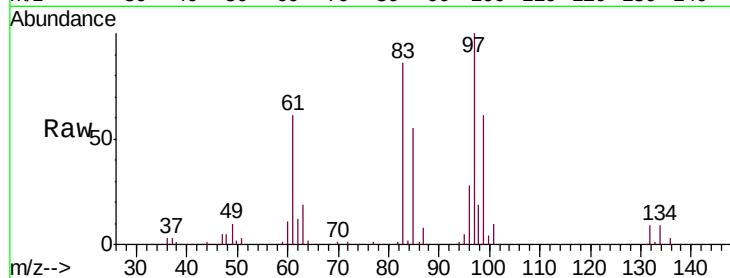




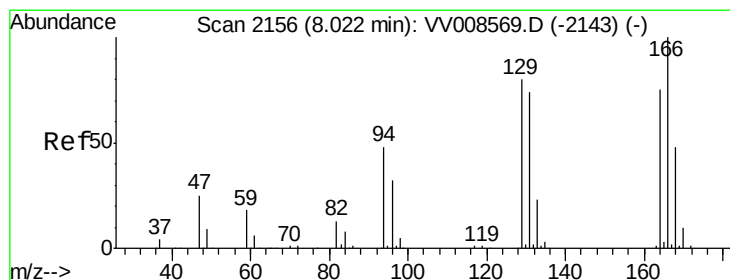
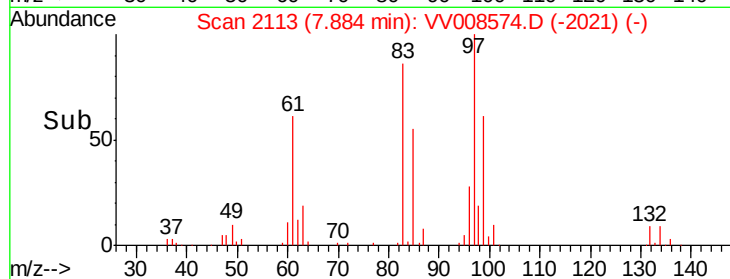
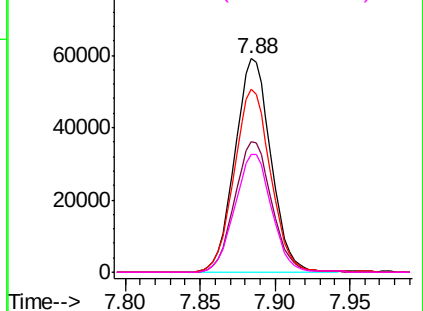
#45
 1,1,2-Trichloroethane
 Concen: 48.563 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Tgt Ion:	97	Resp:	99365
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.9	79.7
83	85.6	60.4	112.2
85	55.0	38.5	71.5

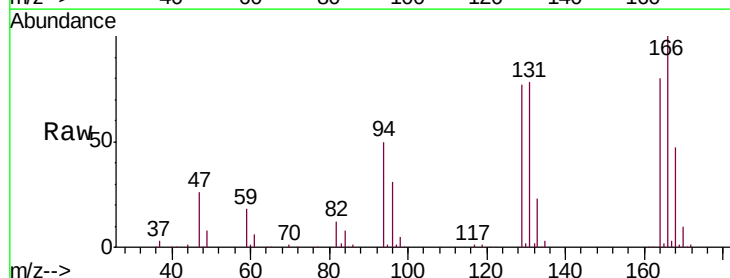


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

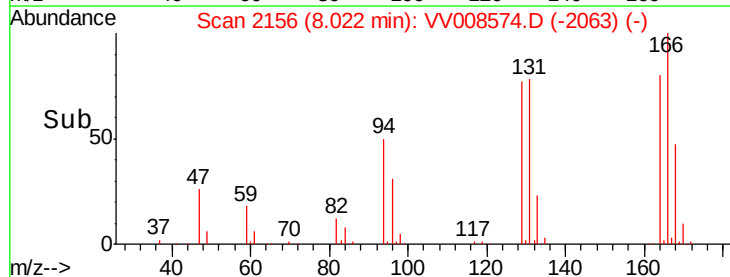
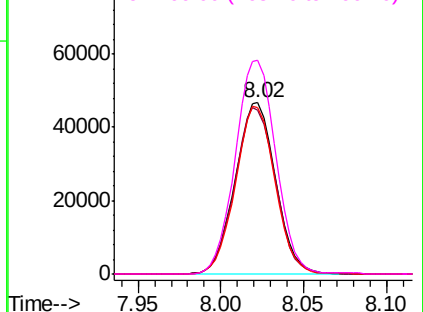


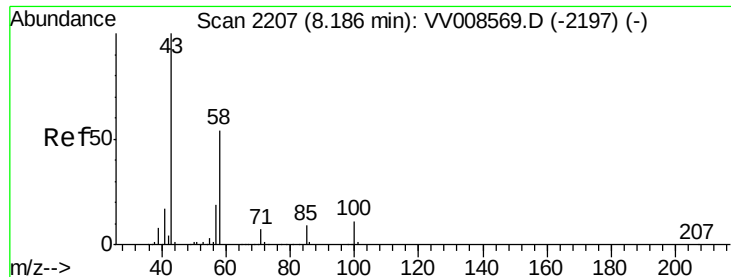
#46
 Tetrachloroethene
 Concen: 49.889 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Tgt Ion:	164	Resp:	79221
Ion	Ratio	Lower	Upper
164	100		
129	95.7	74.3	138.1
131	97.5	68.9	127.9
166	124.7	93.2	173.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

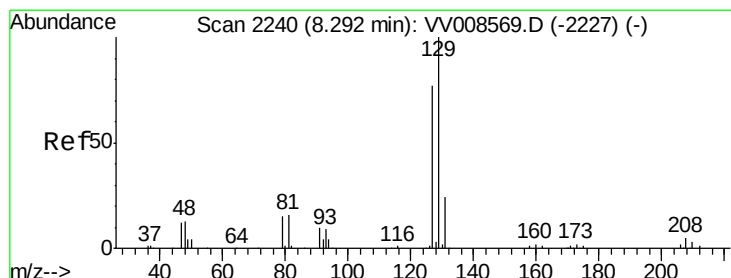
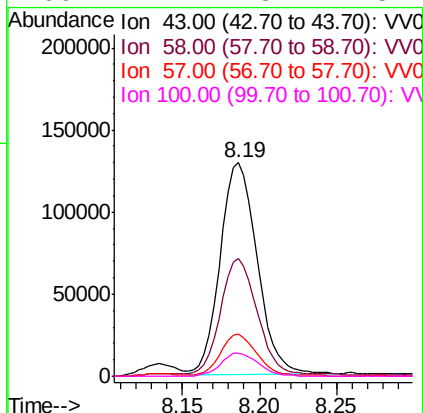
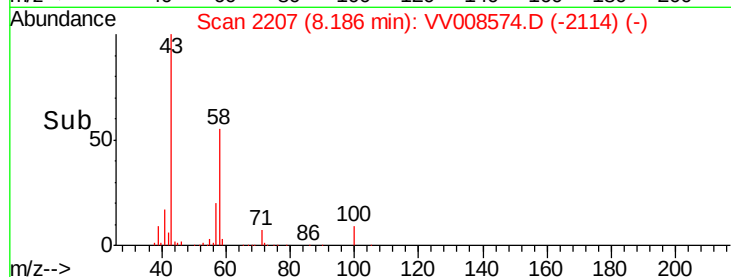
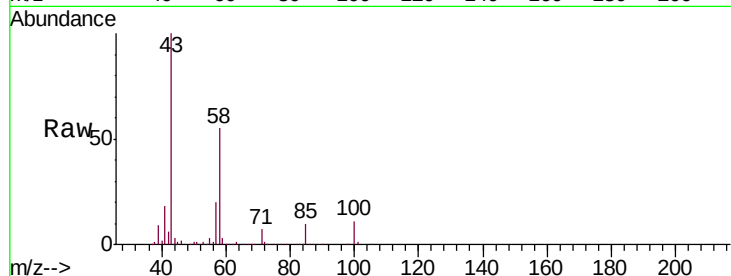




#48
2-Hexanone
Concen: 90.563 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008574.D
Acq: 16 Nov 2018 09:31

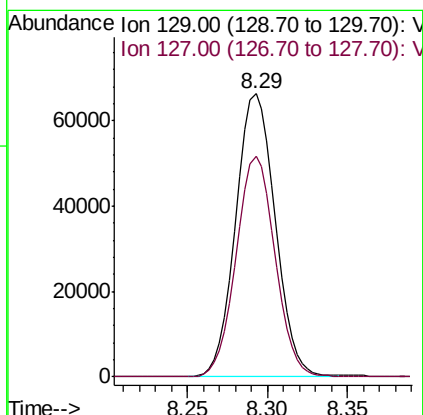
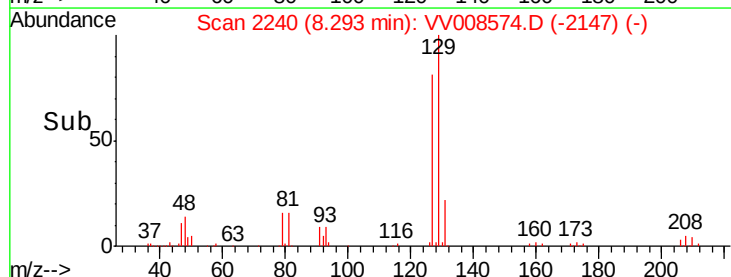
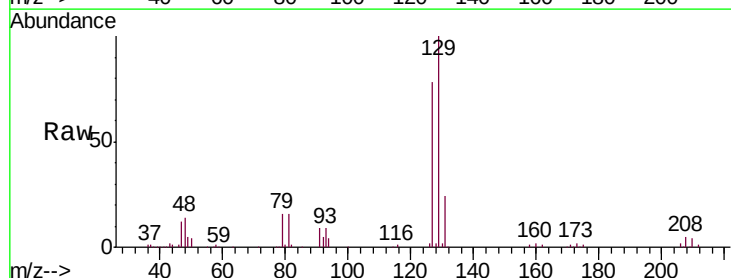
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

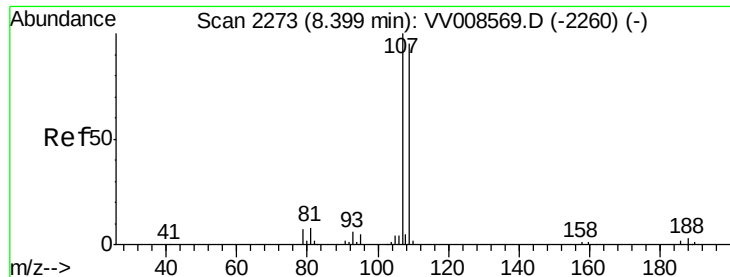
Tgt Ion:	43	Resp:	213575
Ion	Ratio	Lower	Upper
43	100		
58	55.4	43.8	65.6
57	19.5	14.6	22.0
100	11.1	8.7	13.1



#49
Dibromochloromethane
Concen: 51.511 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008574.D
Acq: 16 Nov 2018 09:31

Tgt Ion:	129	Resp:	111571
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.1	100.5

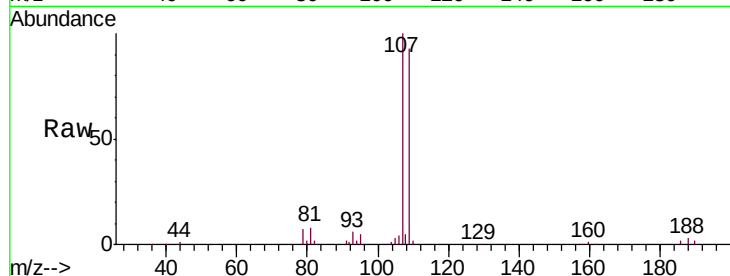




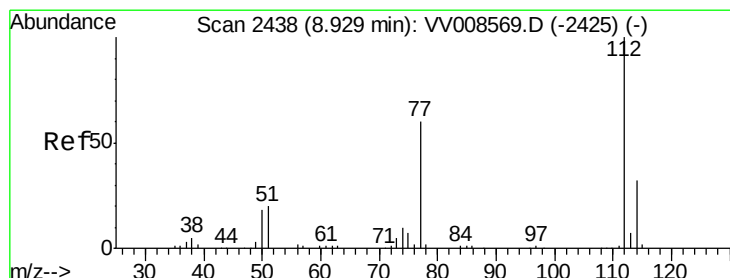
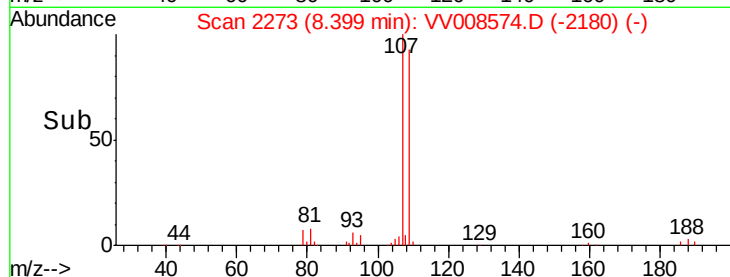
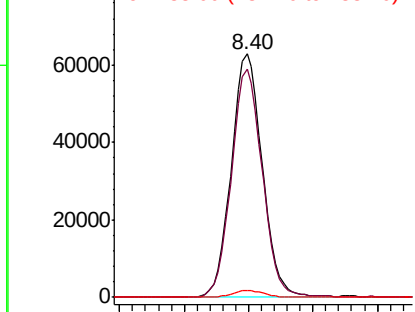
#50
1,2-Dibromoethane
Concen: 49.155 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008574.D
Acq: 16 Nov 2018 09:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tgt Ion:107 Resp: 105034
Ion Ratio Lower Upper
107 100
109 93.5 66.2 123.0
188 3.0 2.6 4.0

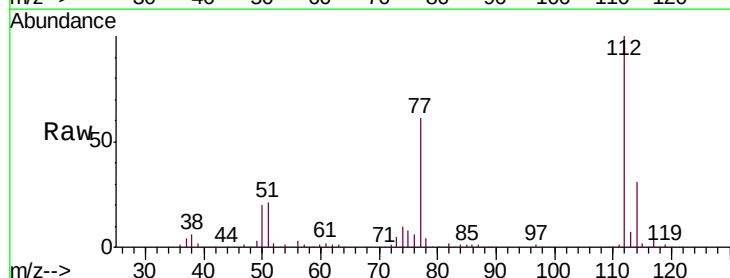


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

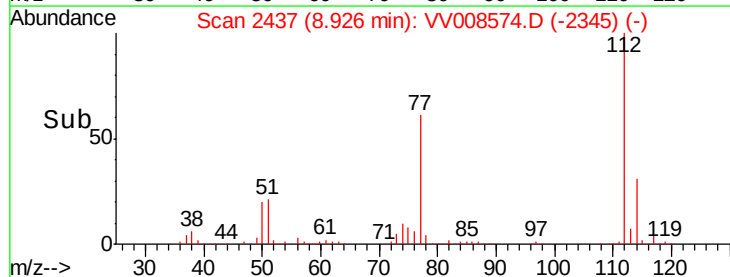
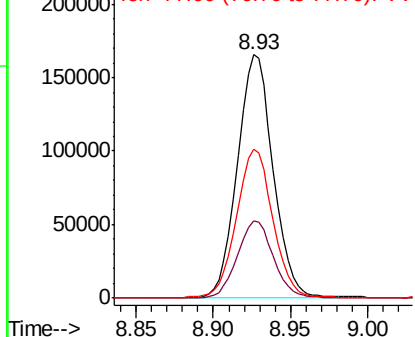


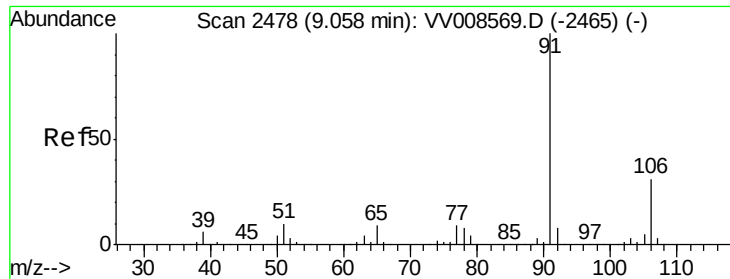
#51
Chlorobenzene
Concen: 48.468 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008574.D
Acq: 16 Nov 2018 09:31

Tgt Ion:112 Resp: 266081
Ion Ratio Lower Upper
112 100
114 31.5 22.4 41.6
77 61.3 48.6 72.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 48.651 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

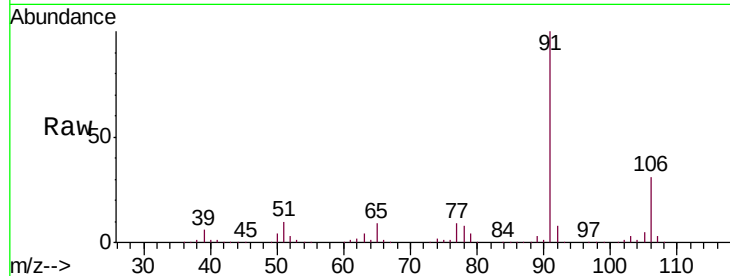
VSTD05074

Tgt Ion: 91 Resp: 470596

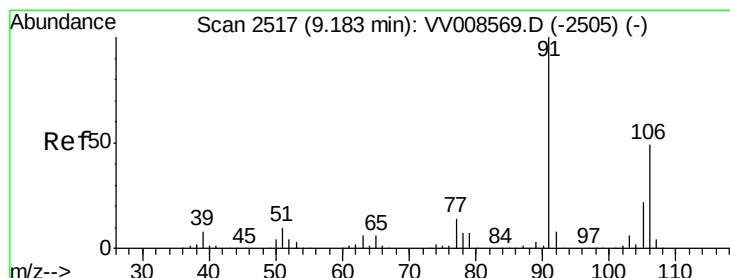
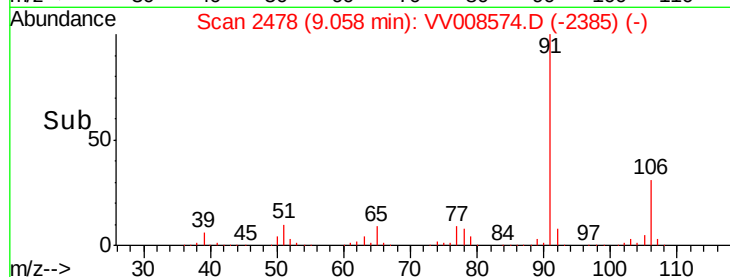
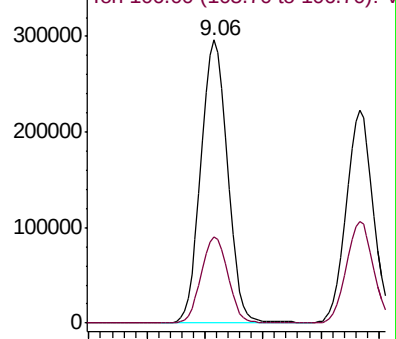
Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV008569.D (-2465) (-)



#53

m,p-Xylene

Concen: 49.355 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008574.D

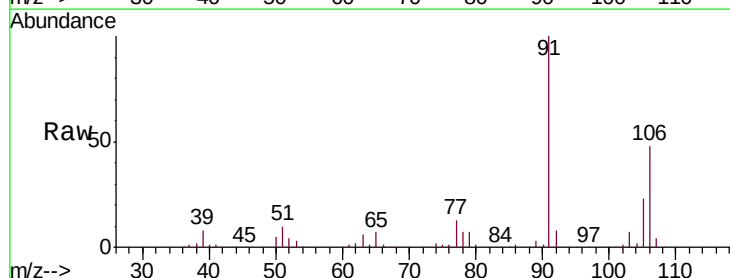
Acq: 16 Nov 2018 09:31

Tgt Ion: 106 Resp: 174723

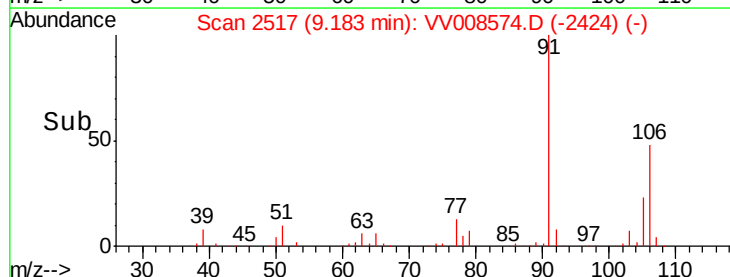
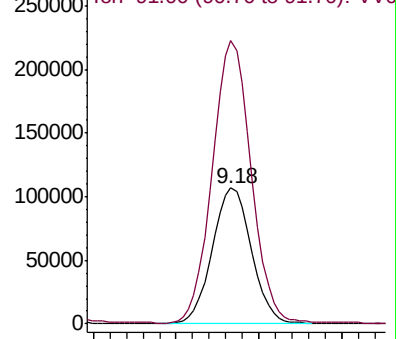
Ion Ratio Lower Upper

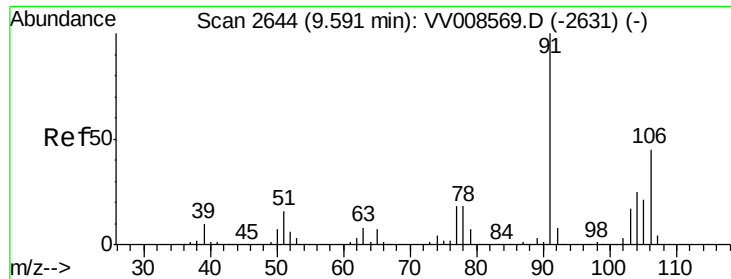
106 100

91 208.8 142.5 264.7



Abundance Ion 106.00 (105.70 to 106.70): VV008569.D (-2505) (-)

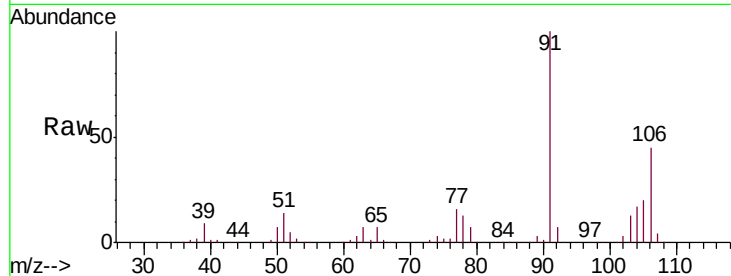




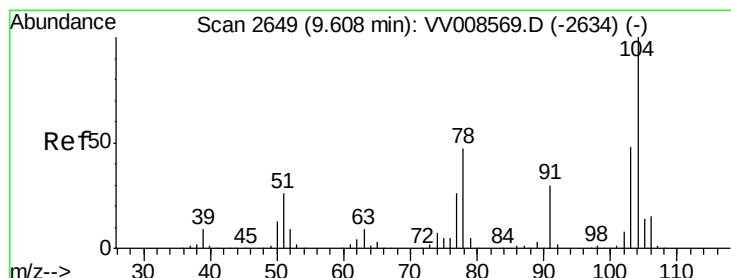
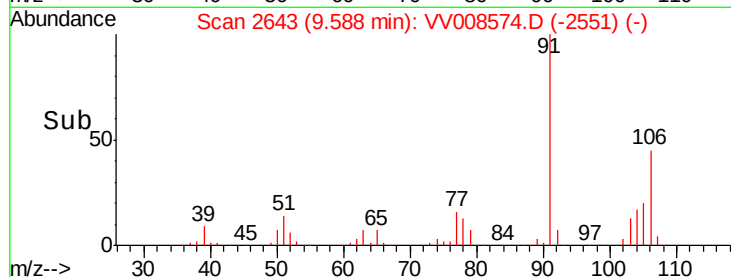
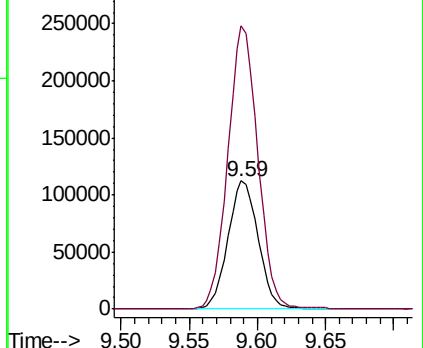
#54
o-xylene
Concen: 49.614 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008574.D
Acq: 16 Nov 2018 09:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tgt Ion:106 Resp: 174084
Ion Ratio Lower Upper
106 100
91 221.3 154.6 287.2

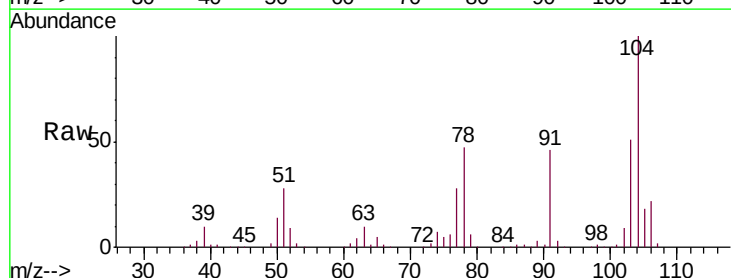


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

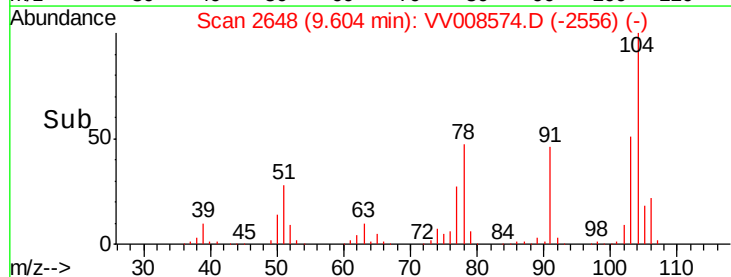
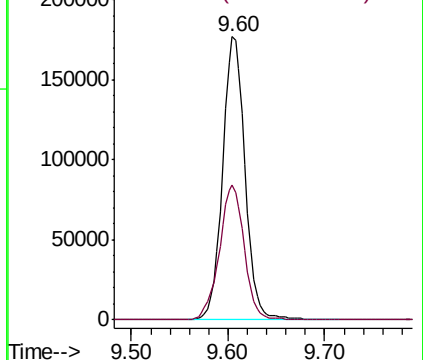


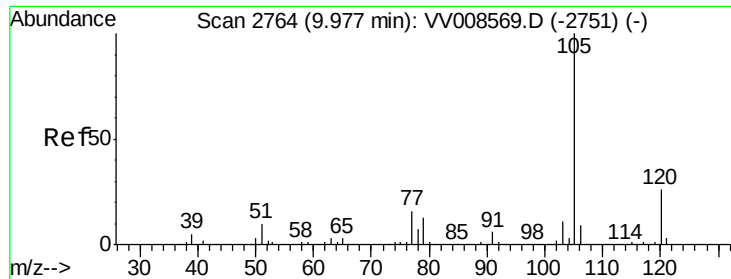
#55
Styrene
Concen: 49.687 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008574.D
Acq: 16 Nov 2018 09:31

Tgt Ion:104 Resp: 285220
Ion Ratio Lower Upper
104 100
78 47.5 32.8 60.8



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





#56

Isopropylbenzene

Concen: 48.885 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

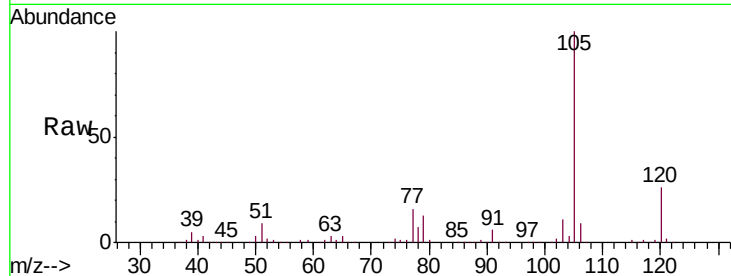
Tgt Ion: 105 Resp: 451531

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

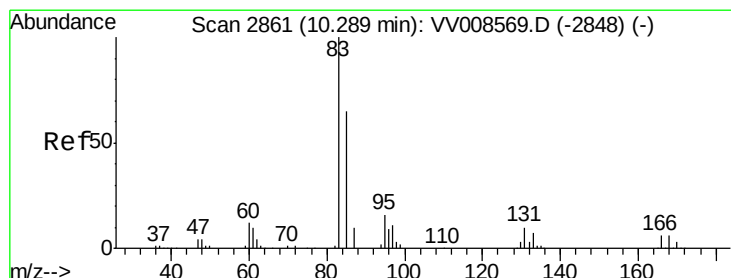
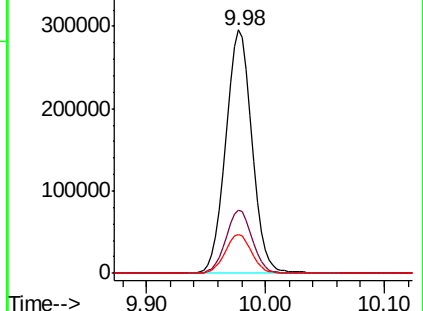
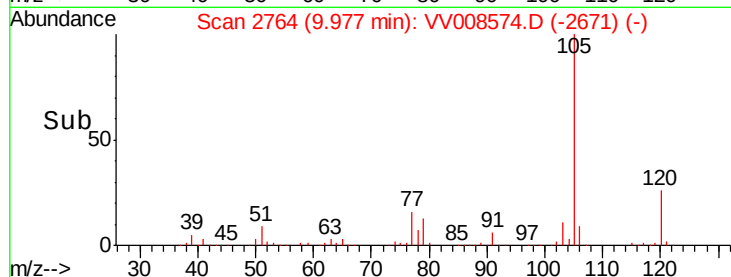
77 16.1 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.571 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

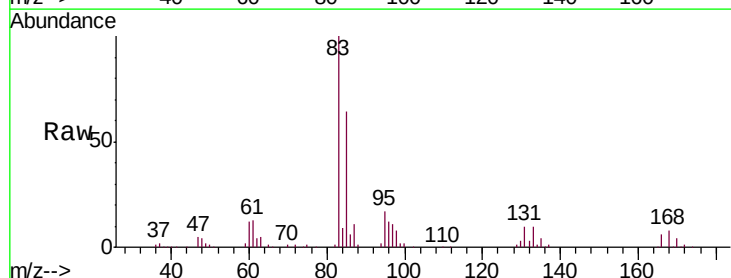
Tgt Ion: 83 Resp: 157806

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0

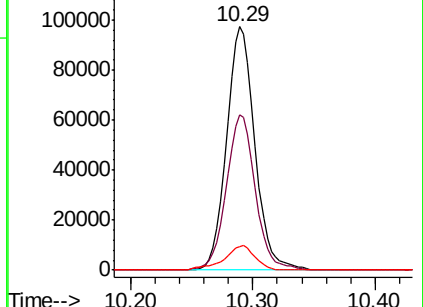
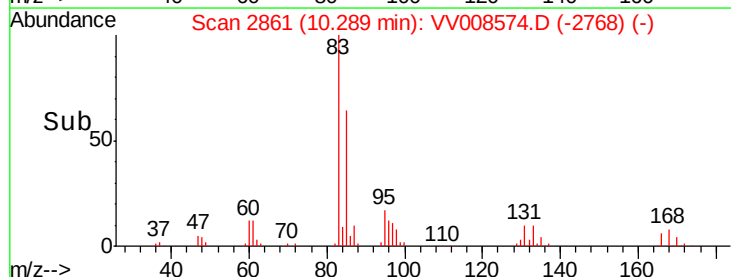
131 9.8 8.2 12.4

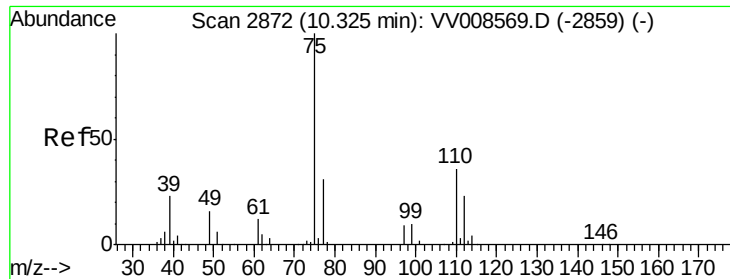


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

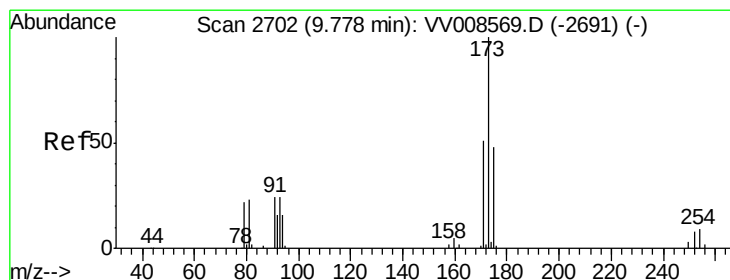
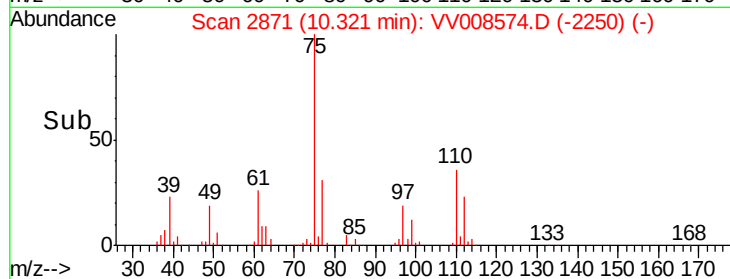
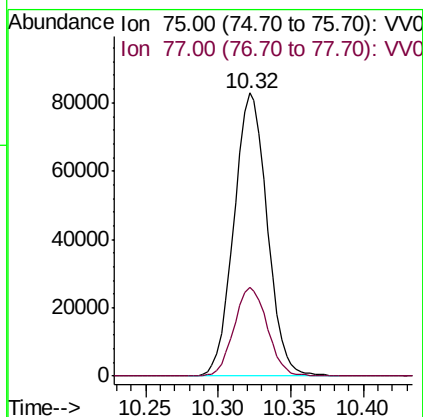
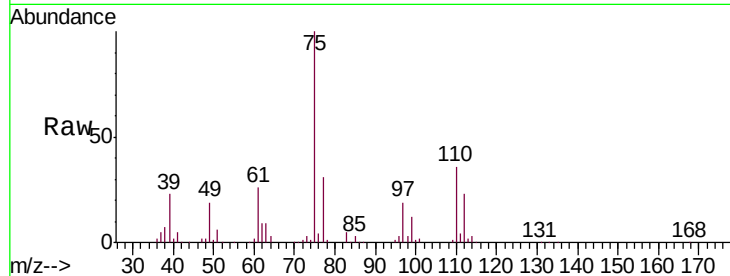




#59
 1,2,3-Trichloropropane
 Concen: 48.574 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

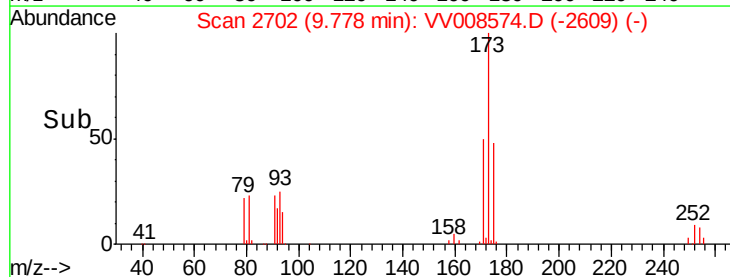
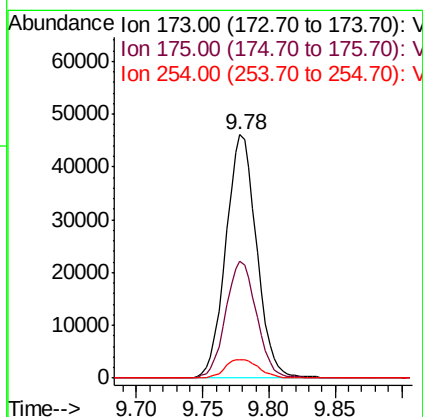
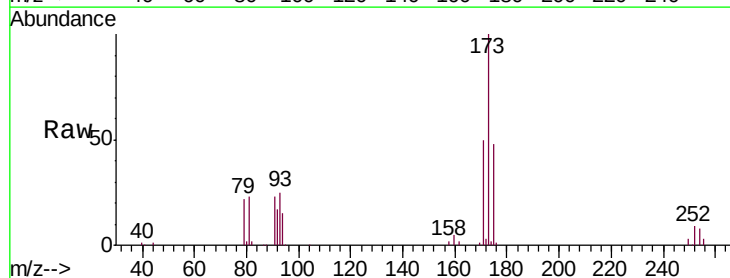
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

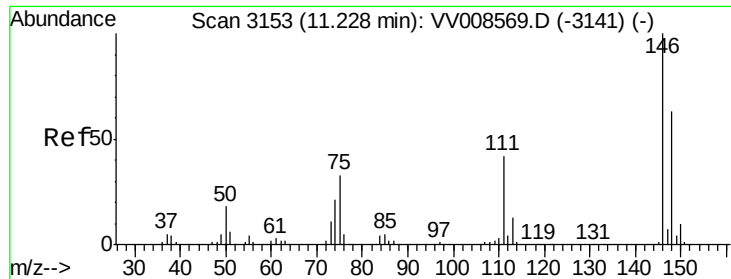
Tgt Ion: 75 Resp: 132061
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2



#61
 Bromoform
 Concen: 53.303 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Tgt Ion: 173 Resp: 74374
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.2 57.4
 254 8.4 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 49.708 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

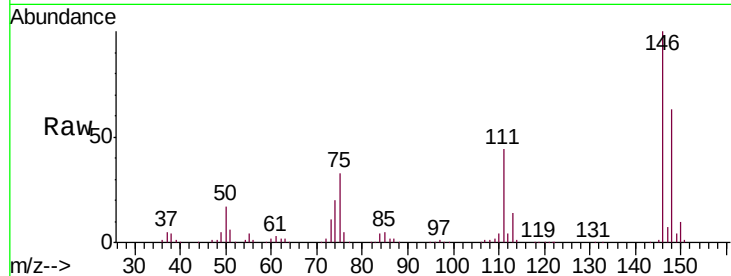
Tgt Ion:146 Resp: 189717

Ion Ratio Lower Upper

146 100

111 43.5 29.5 54.9

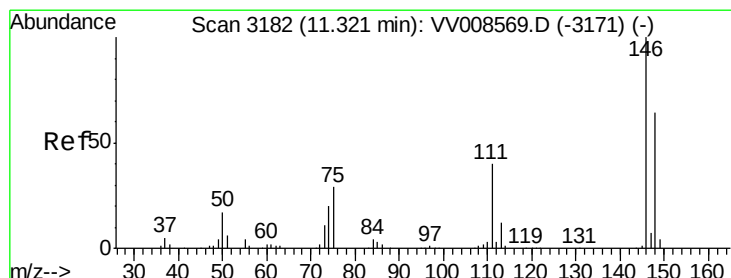
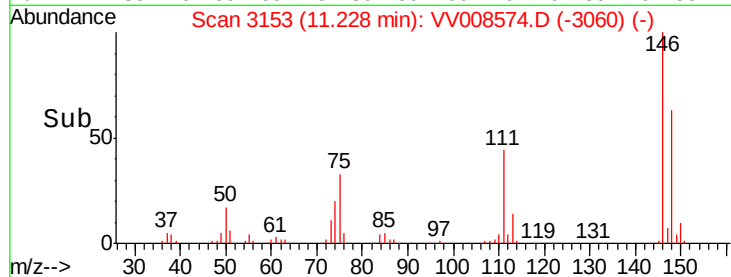
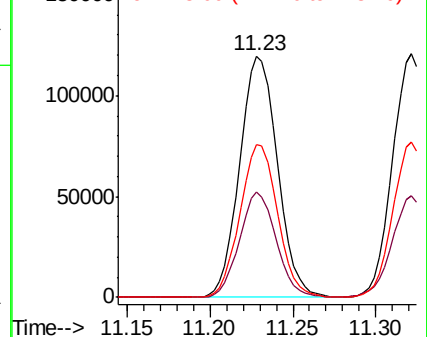
148 63.5 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 49.047 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

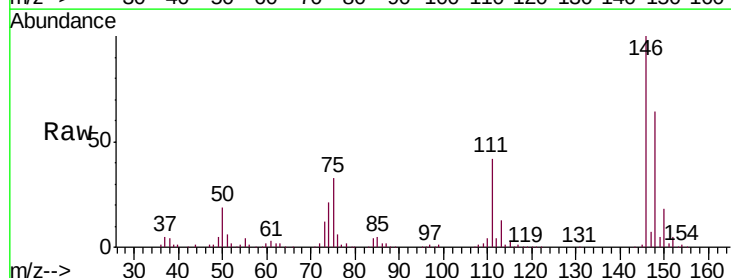
Tgt Ion:146 Resp: 187588

Ion Ratio Lower Upper

146 100

111 41.7 28.2 52.4

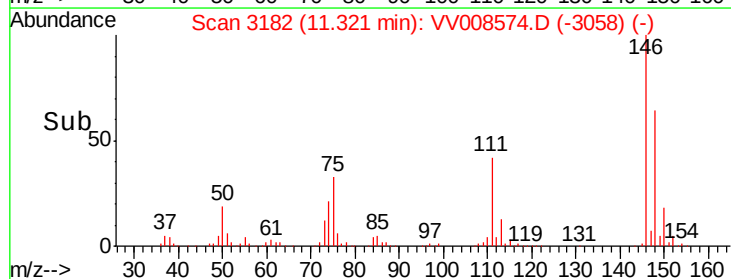
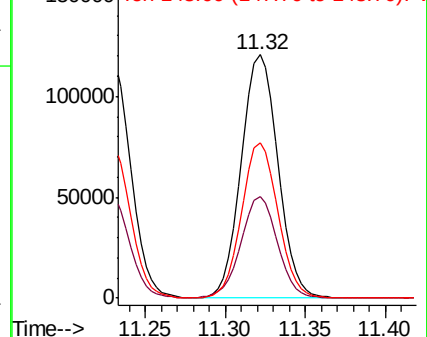
148 64.0 44.7 82.9

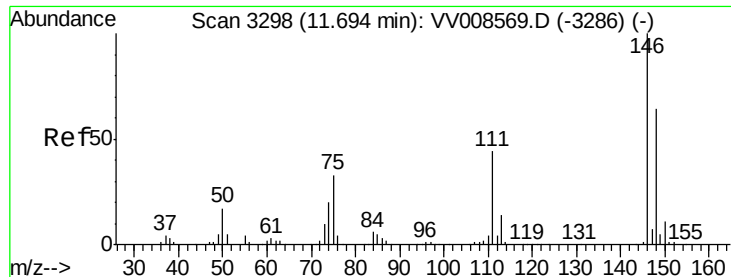


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

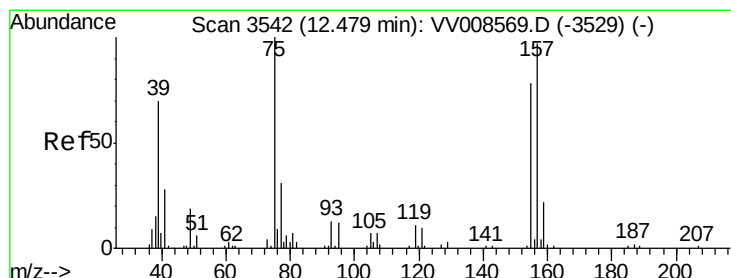
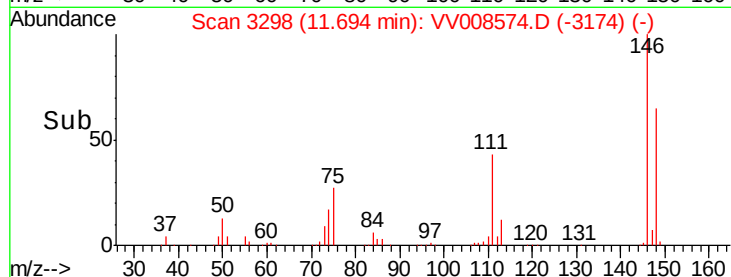
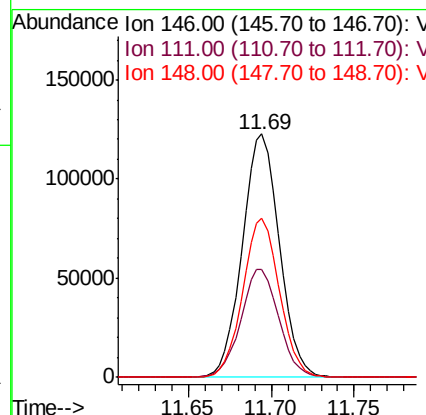
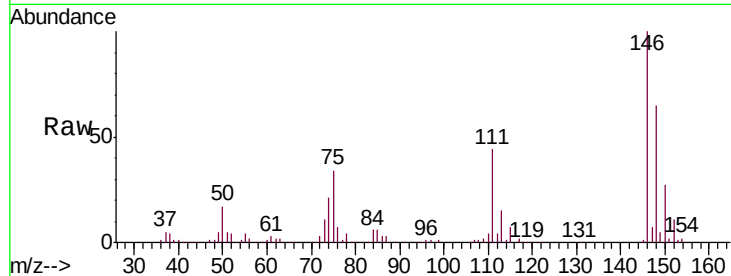




#65
 1,2-Dichlorobenzene
 Concen: 48.897 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

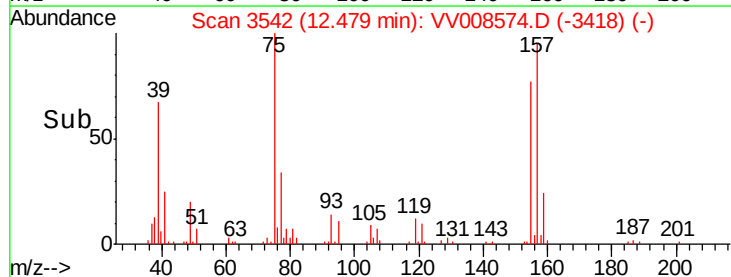
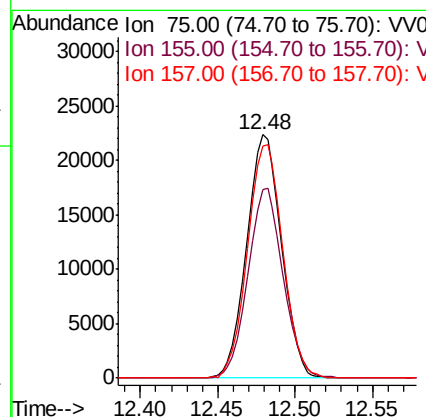
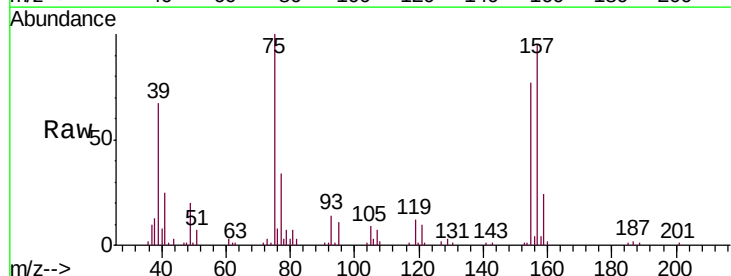
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

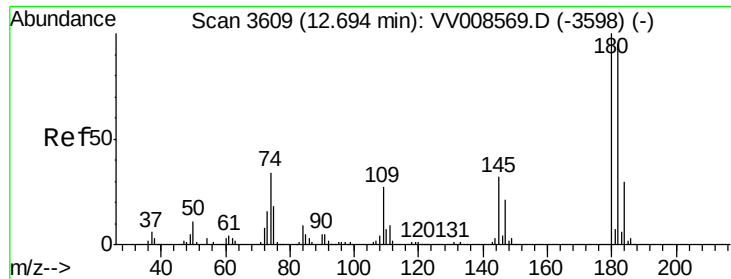
Tgt Ion: 146 Resp: 190873
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.8 53.6
 148 65.3 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.141 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Tgt Ion: 75 Resp: 34969
 Ion Ratio Lower Upper
 75 100
 155 77.3 62.7 94.1
 157 95.1 77.4 116.0

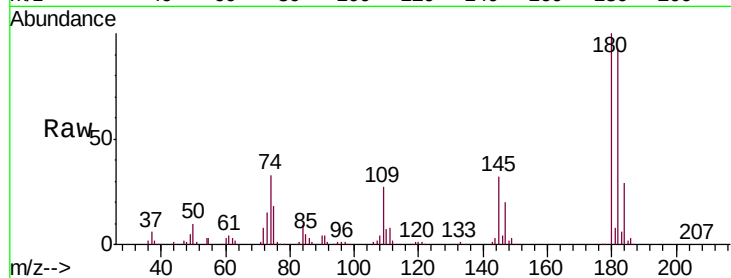




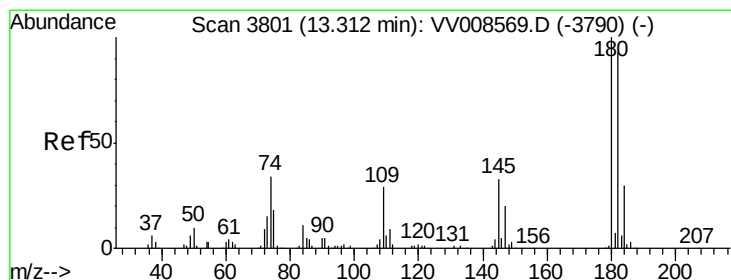
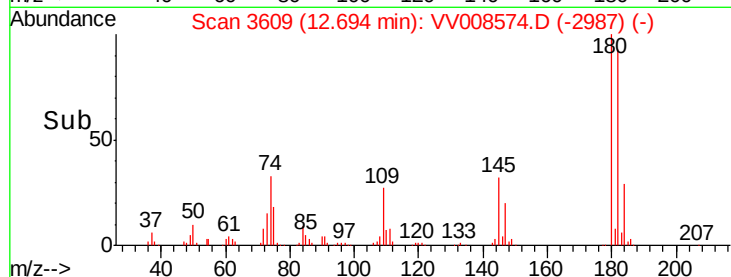
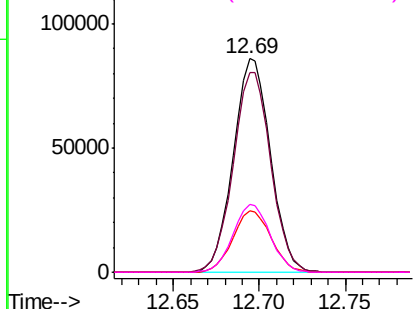
#67
 1,3,5-Trichlorobenzene
 Concen: 49.566 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Tgt Ion:180 Resp: 129624
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.7 113.5
 184 29.8 24.2 36.4
 145 31.7 25.6 38.4

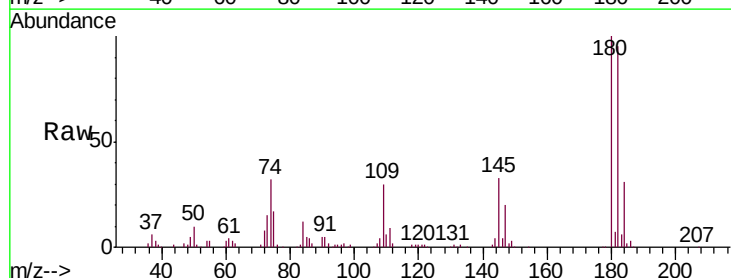


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

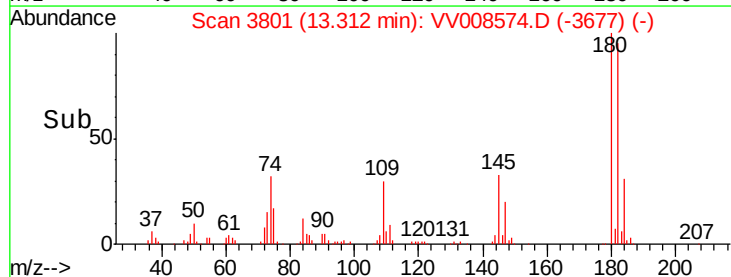
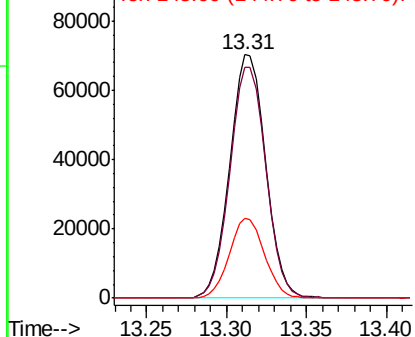


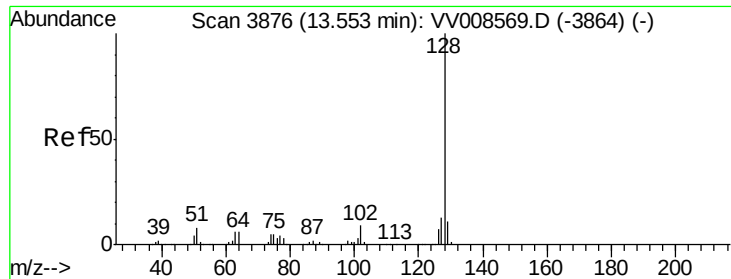
#68
 1,2,4-trichlorobenzene
 Concen: 51.521 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008574.D
 Acq: 16 Nov 2018 09:31

Tgt Ion:180 Resp: 106851
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.3 112.9
 145 32.3 26.0 39.0



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: 53.004 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

Instrument :

MSVOA_V

ClientSampled :

VSTD05074

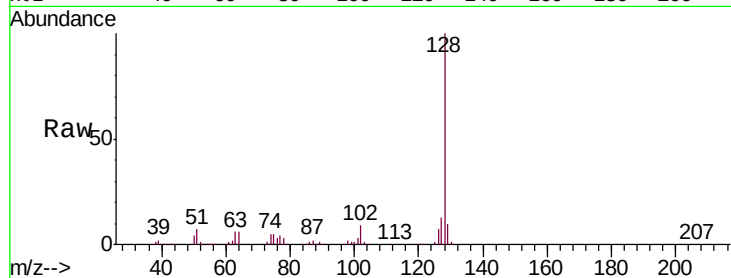
Tgt Ion:128 Resp: 321874

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

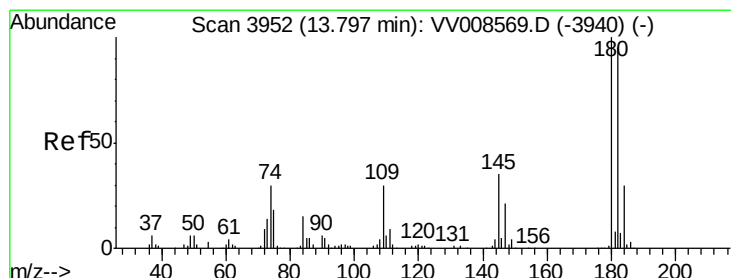
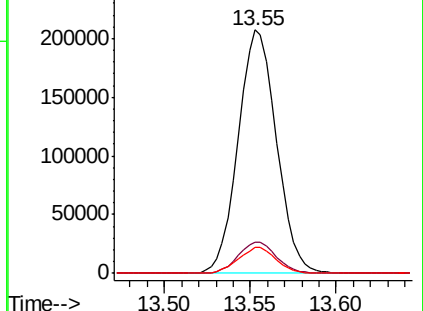
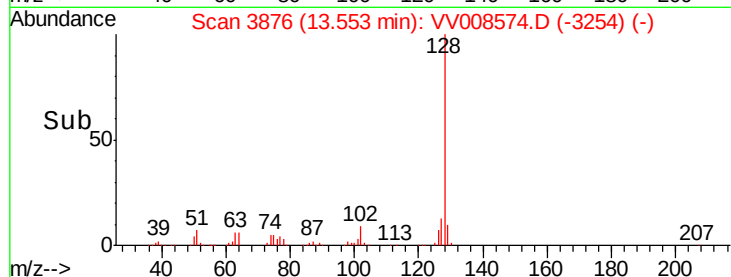
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.091 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008574.D

Acq: 16 Nov 2018 09:31

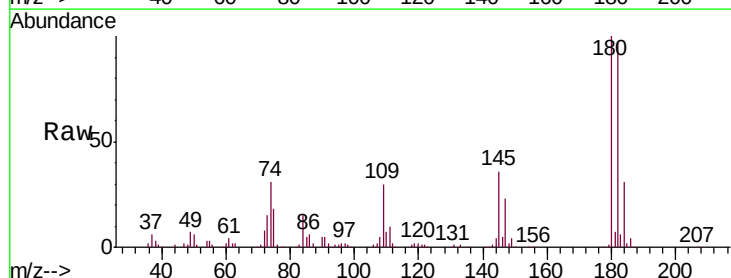
Tgt Ion:180 Resp: 106671

Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 36.2 28.0 42.0



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

