

Data File : VV011501.D
Acq On : 14 Jun 2019 18:04
Operator : SY/MD
Sample : VSTD01052
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Quant Time: Jun 14 18:28:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 18:24:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182207	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166774	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	75150	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	129220	9.36	ug/L	0.00
7) Chloroethane-d5	1.58	69	81438	7.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	249091	9.03	ug/L	0.00
20) 2-Butanone-d5	3.96	46	400489	128.84	ug/L	0.00
24) Chloroform-d	4.40	84	262114	10.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	149557	11.38	ug/L	0.00
32) Benzene-d6	5.09	84	496800	9.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	157986	10.28	ug/L	0.00
41) Toluene-d8	7.36	98	442925	9.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	57354	9.79	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	329403	133.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	123090	11.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	148339	10.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	158834	8.839 ug/L	100
3) Chloromethane	1.25	50	168599	9.704 ug/L	99
5) Vinyl chloride	1.32	62	167790	10.009 ug/L	99
6) Bromomethane	1.53	94	73896	8.473 ug/L	100
8) Chloroethane	1.59	64	78593	7.337 ug/L	98
9) Trichlorofluoromethane	1.76	101	175703	7.635 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104982	8.888 ug/L	99
12) 1,1-Dichloroethene	2.13	96	109836	9.568 ug/L	92
13) Acetone	2.21	43	250148	120.029 ug/L	99
14) Carbon disulfide	2.31	76	305754	8.780 ug/L	99
15) Methyl Acetate	2.46	43	67107	12.124 ug/L	98
16) Methylene chloride	2.53	84	122897	10.390 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	357201	11.656 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	128047	9.962 ug/L	95
19) 1,1-Dichloroethane	3.22	63	266032	10.493 ug/L	97
21) 2-Butanone	4.04	43	439650	136.985 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	145804	10.243 ug/L	96
23) Bromochloromethane	4.29	128	58371	10.697 ug/L	98
25) Chloroform	4.42	83	271216	10.358 ug/L	99
27) 1,2-Dichloroethane	5.18	62	192042	12.002 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	214520	10.085 ug/L	99
30) Cyclohexane	4.72	56	210717	8.935 ug/L	99
31) Carbon tetrachloride	4.87	117	173022	9.732 ug/L	99
33) Benzene	5.14	78	564796	10.643 ug/L	100
34) Trichloroethene	5.96	95	138313	10.089 ug/L	99
35) Methylcyclohexane	6.17	83	204120	9.003 ug/L	99
37) 1,2-Dichloropropane	6.22	63	148848	11.270 ug/L	99
38) Bromodichloromethane	6.55	83	179385	10.985 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	205741	10.647 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	1113215	132.353 ug/L	100

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	573272	10.136	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	160375	10.916	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	100549	11.893	ug/L	98
47) Tetrachloroethene	8.02	164	97203	9.811	ug/L	98
48) 2-Hexanone	8.19	43	800120	136.399	ug/L	100
49) Dibromochloromethane	8.29	129	108931	11.343	ug/L	97
50) 1,2-Dibromoethane	8.40	107	93718	11.661	ug/L	96
51) Chlorobenzene	8.92	112	347345	10.070	ug/L	99
52) Ethylbenzene	9.05	91	614610	9.785	ug/L	100
53) m,p-xylene	9.18	106	226890	9.768	ug/L	97
54) o-xylene	9.59	106	227013	9.958	ug/L	99
55) Styrene	9.60	104	391130	10.535	ug/L	97
56) Isopropylbenzene	9.97	105	578033	9.421	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	126012	12.294	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	93691	12.162	ug/L	99
61) Bromoform	9.77	173	51542	11.417	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	247153	9.946	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	247842	10.274	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	245542	10.690	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	18203	11.059	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	181917	10.176	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	151179	11.138	ug/L	99
69) Naphthalene	13.55	128	311803	14.035	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	147146	12.090	ug/L	100

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

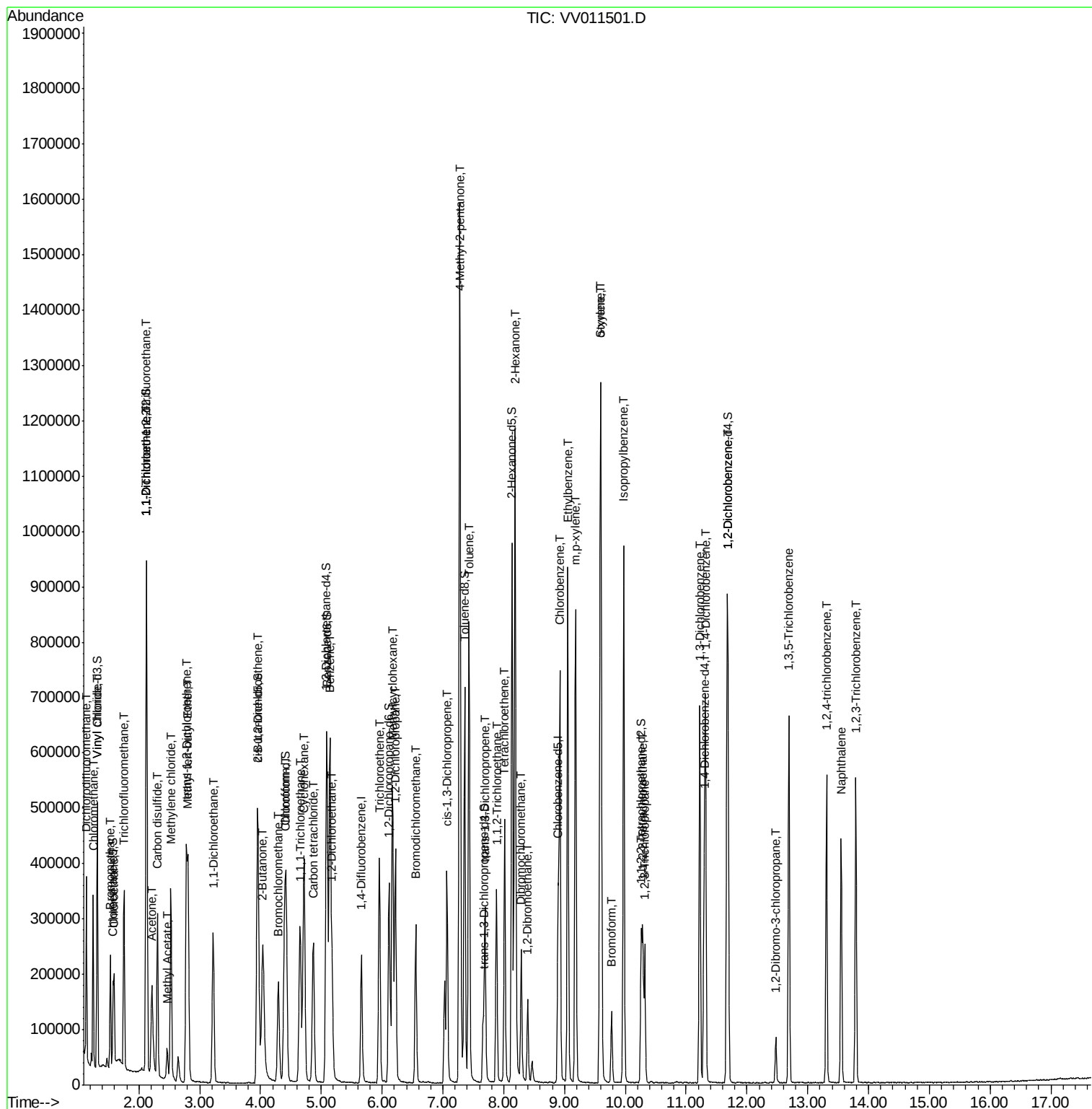
Quant Time: Jun 14 18:28:54 2019

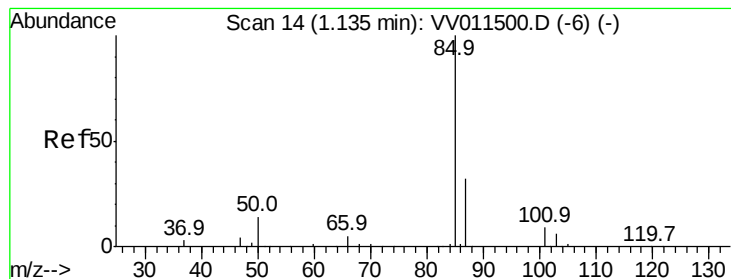
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR061419WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 8.839 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

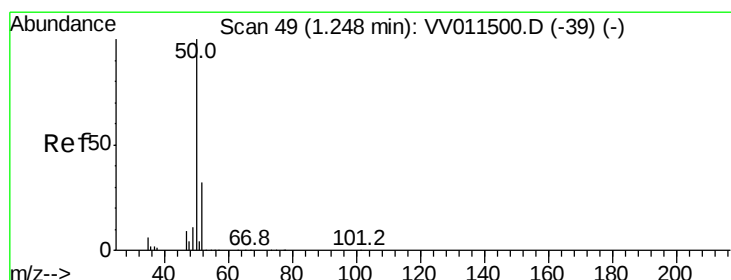
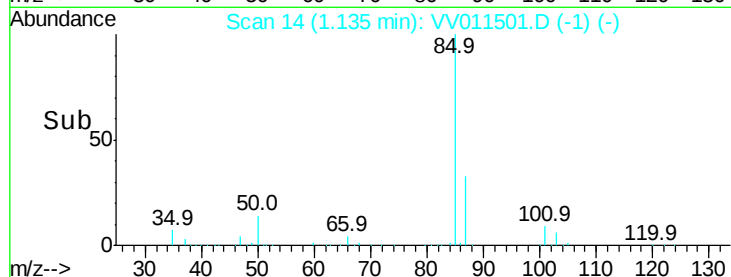
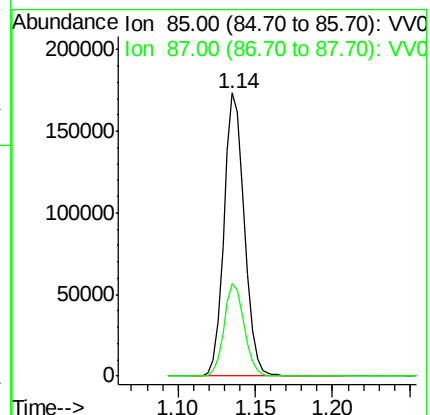
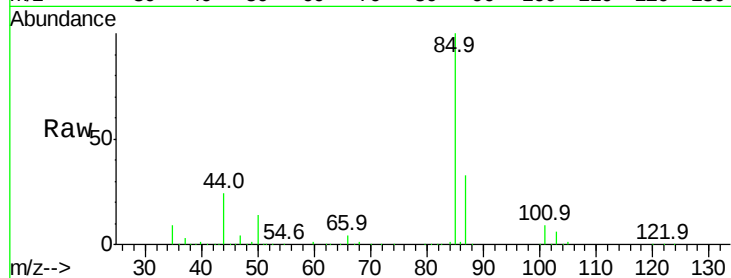
VSTD01034

Tgt Ion: 85 Resp: 158834

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



#3

Chloromethane

Concen: 9.704 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011501.D

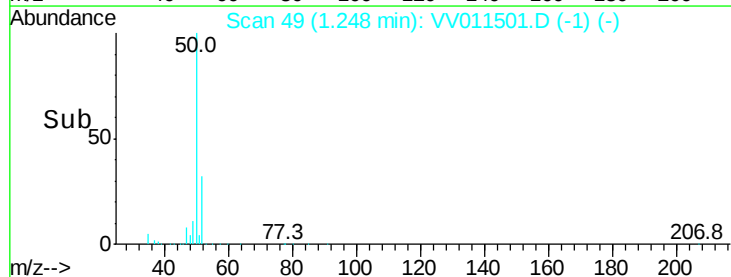
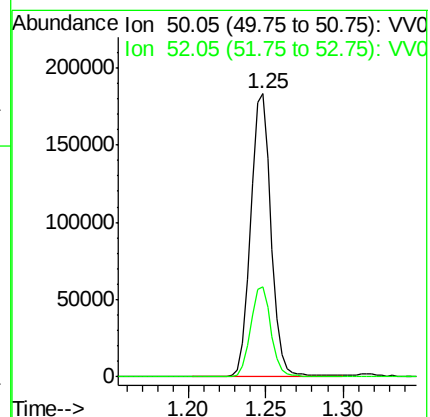
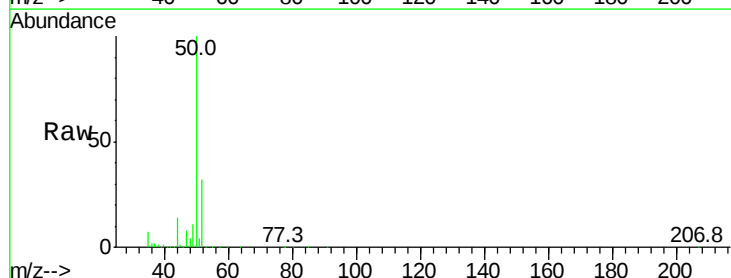
Acq: 14 Jun 2019 18:04

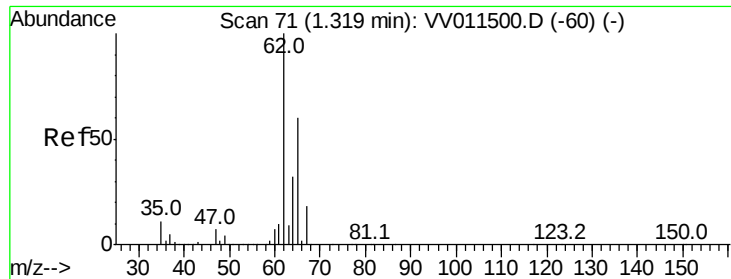
Tgt Ion: 50 Resp: 168599

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.1





#5

Vinyl chloride

Concen: 10.009 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

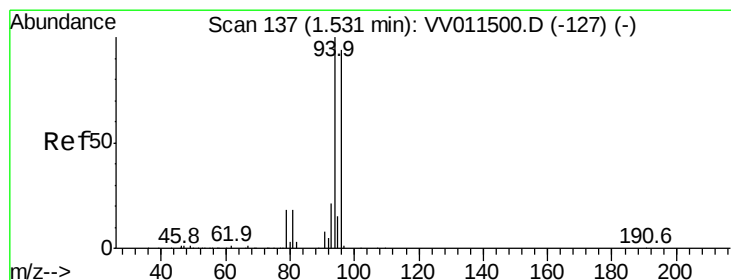
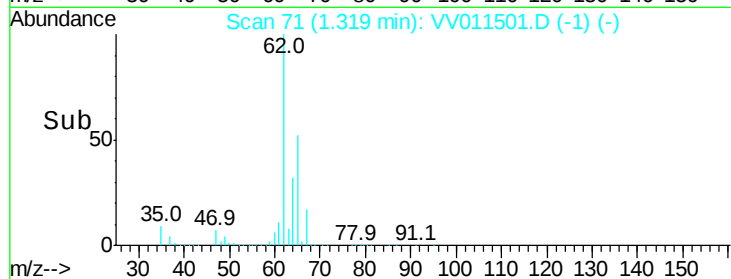
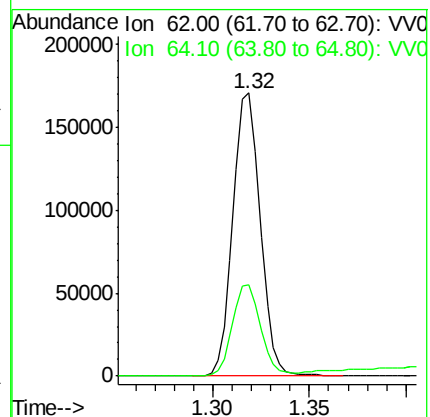
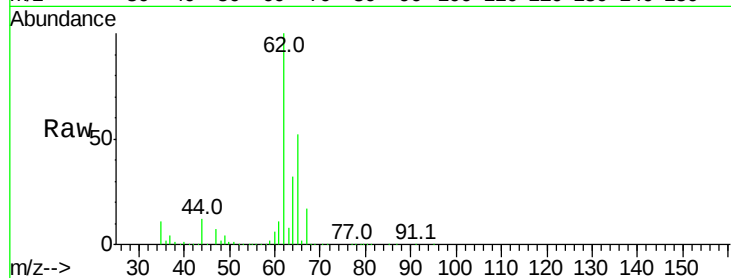
VSTD01034

Tgt Ion: 62 Resp: 167790

Ion Ratio Lower Upper

62 100

64 32.1 23.0 42.6



#6

Bromomethane

Concen: 8.473 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011501.D

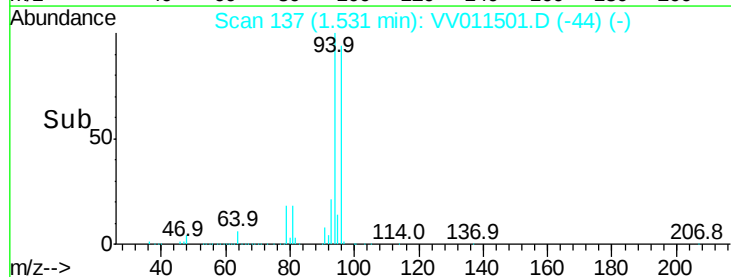
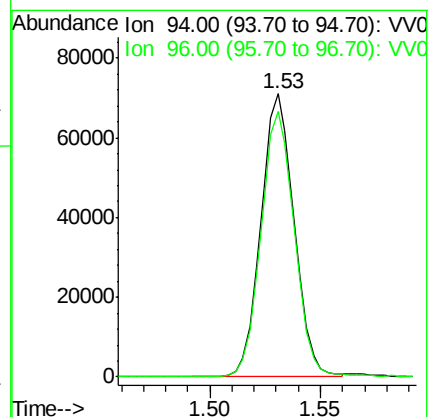
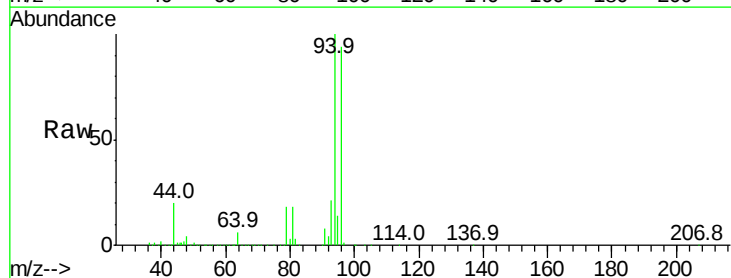
Acq: 14 Jun 2019 18:04

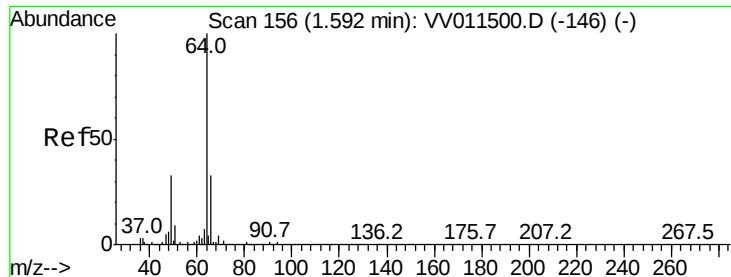
Tgt Ion: 94 Resp: 73896

Ion Ratio Lower Upper

94 100

96 93.7 65.5 121.7





#8

Chloroethane

Concen: 7.337 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

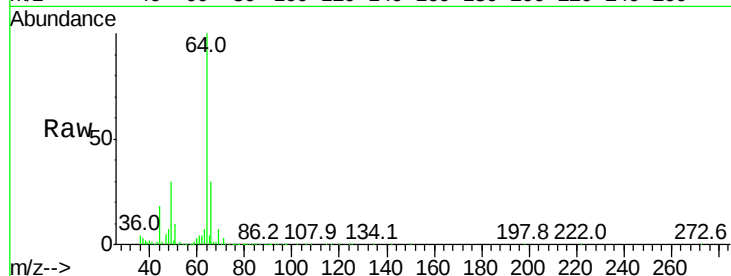
VSTD01034

Tgt Ion: 64 Resp: 78593

Ion Ratio Lower Upper

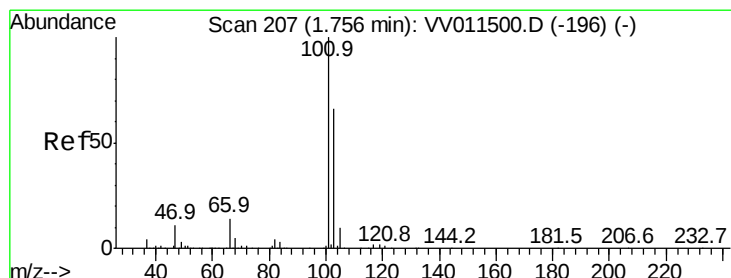
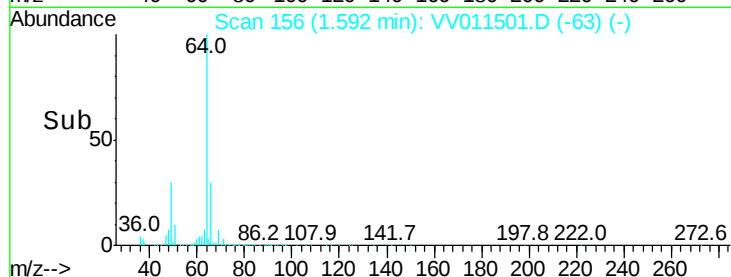
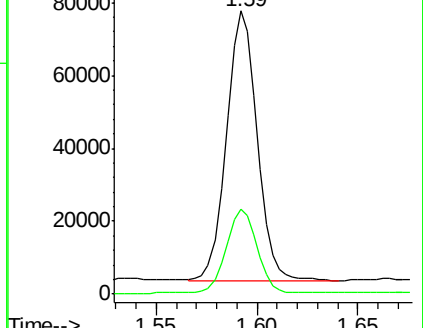
64 100

66 29.9 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV011501.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV011501.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 7.635 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV011501.D

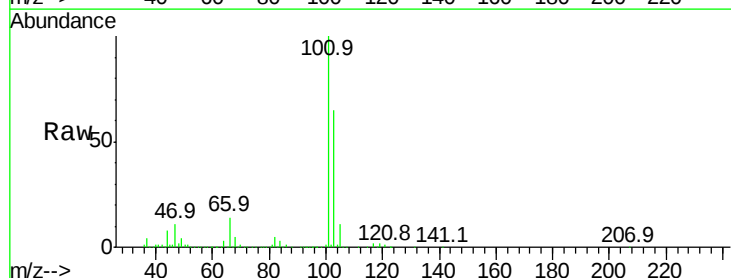
Acq: 14 Jun 2019 18:04

Tgt Ion: 101 Resp: 175703

Ion Ratio Lower Upper

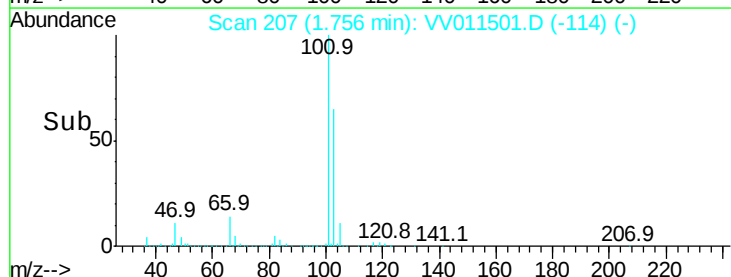
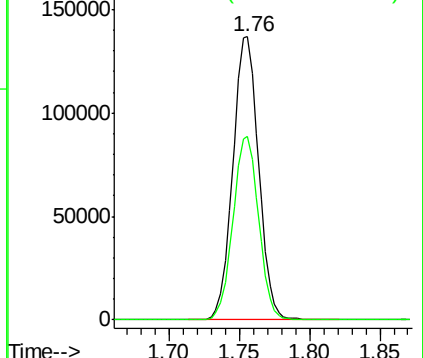
101 100

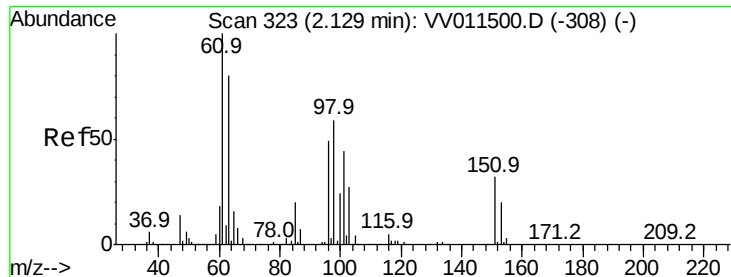
103 64.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV011501.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV011501.D (-196) (-)





#10

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

Concen: 8.888 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

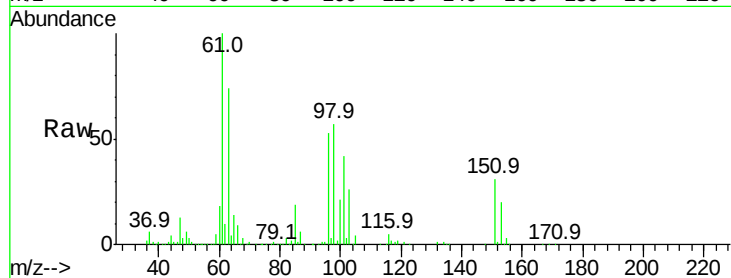
Tgt Ion:101 Resp: 104982

Ion Ratio Lower Upper

101 100

85 45.8 37.3 55.9

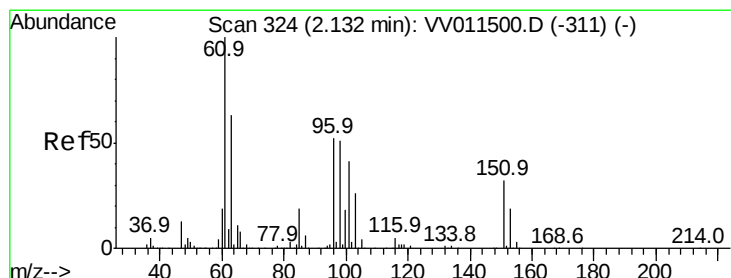
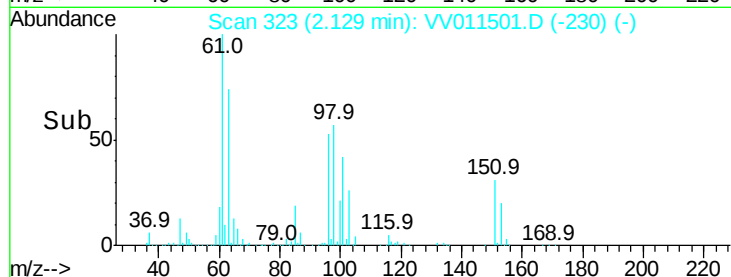
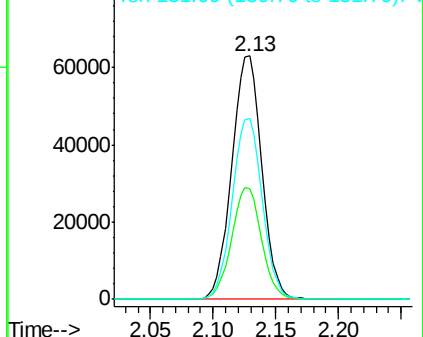
151 74.1 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.568 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

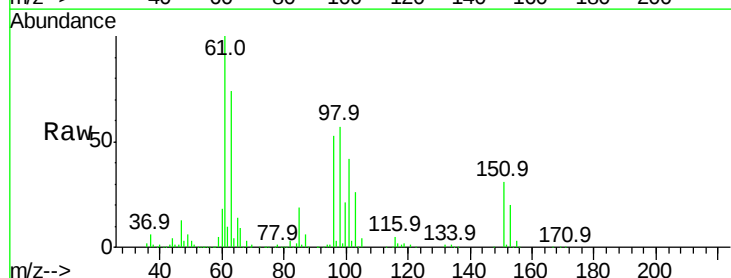
Tgt Ion: 96 Resp: 109836

Ion Ratio Lower Upper

96 100

61 189.3 135.9 252.5

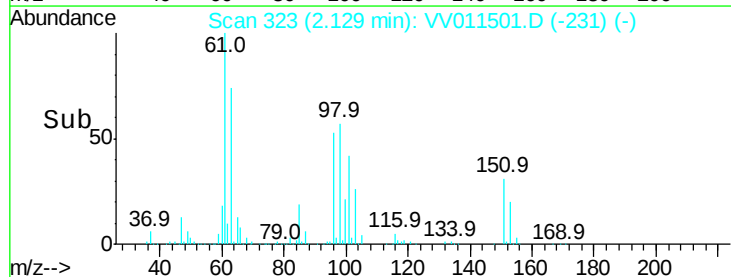
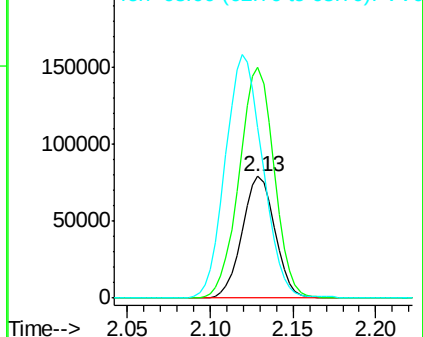
63 140.1 86.2 160.2

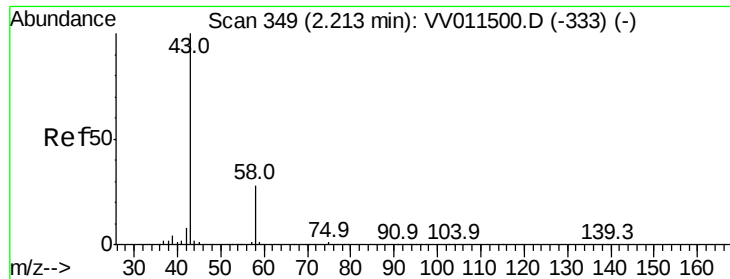


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 120.029 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

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ClientSampleId :

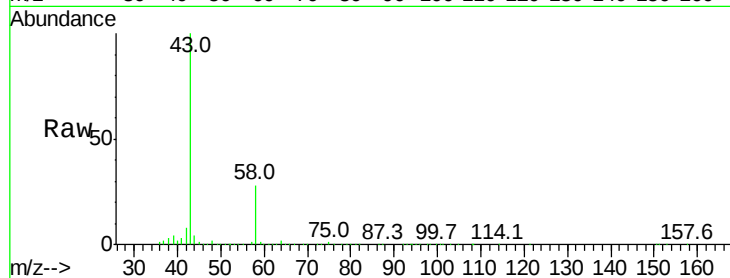
VSTD01034

Tgt Ion: 43 Resp: 250148

Ion Ratio Lower Upper

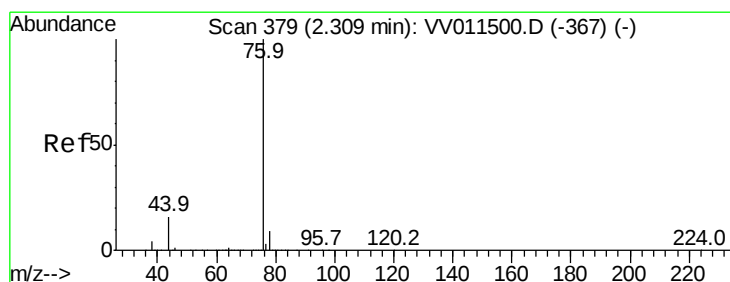
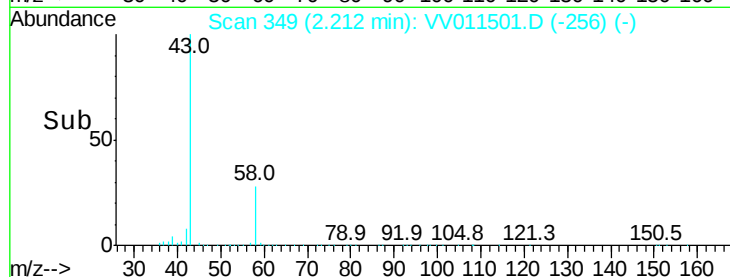
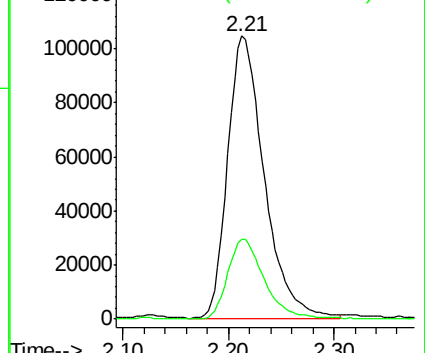
43 100

58 28.5 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 8.780 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011501.D

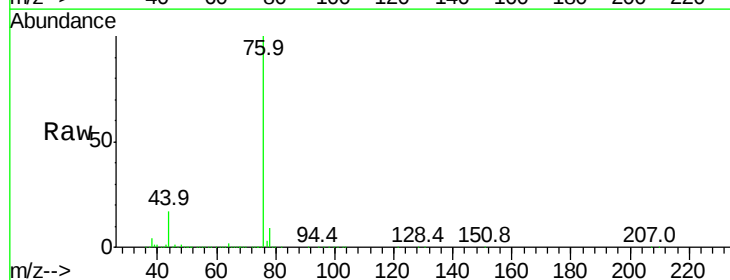
Acq: 14 Jun 2019 18:04

Tgt Ion: 76 Resp: 305754

Ion Ratio Lower Upper

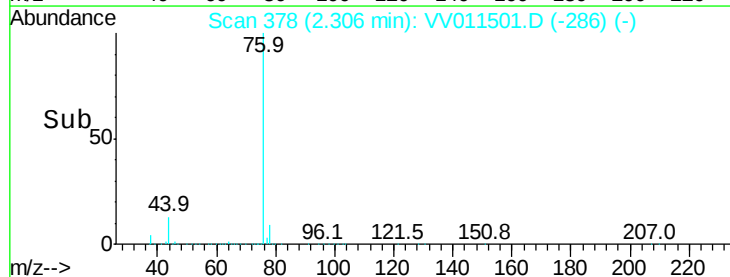
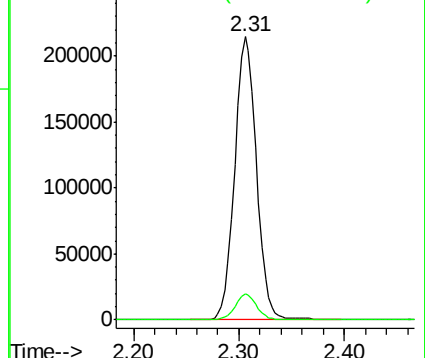
76 100

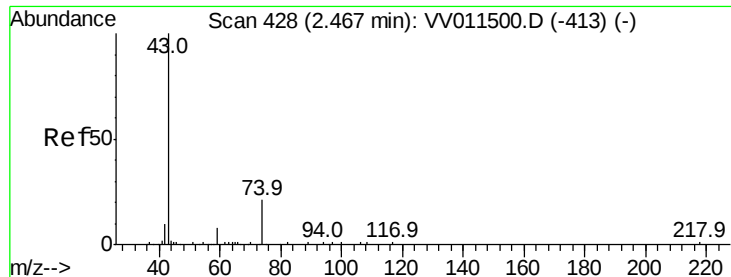
78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

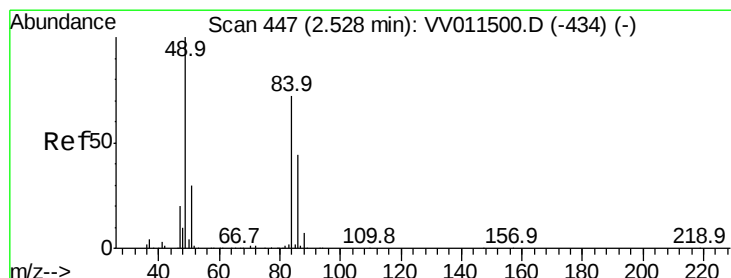
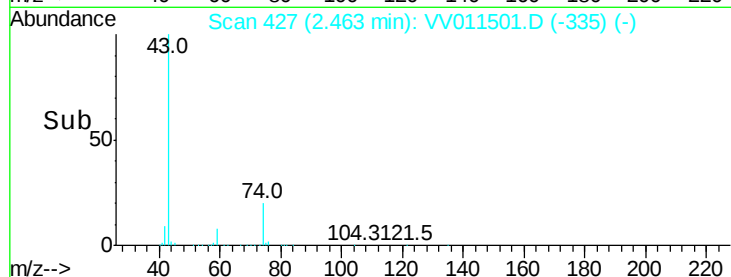
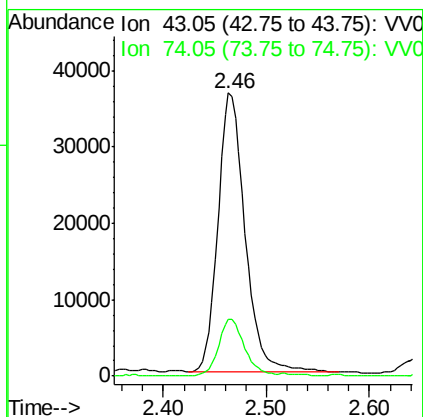
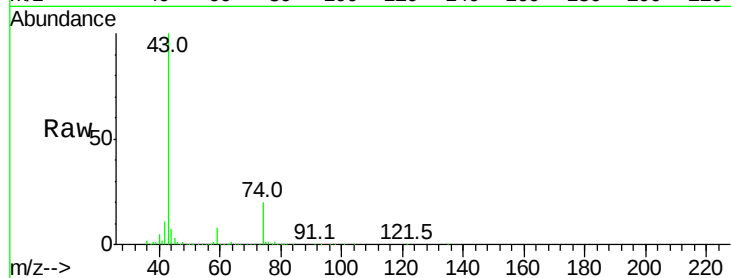




#15
Methyl Acetate
Concen: 12.124 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

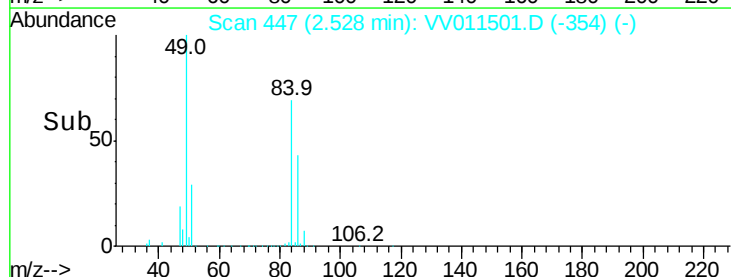
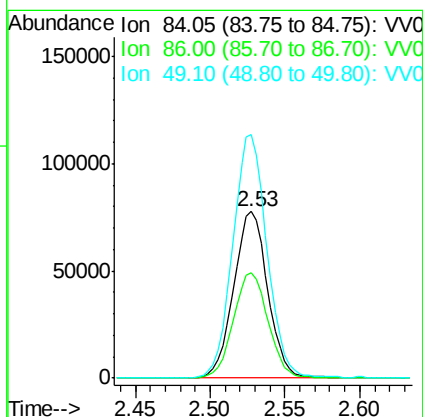
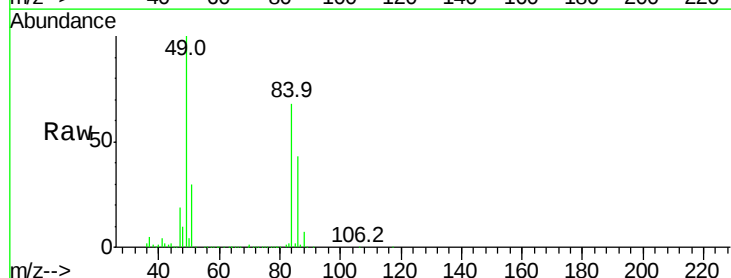
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

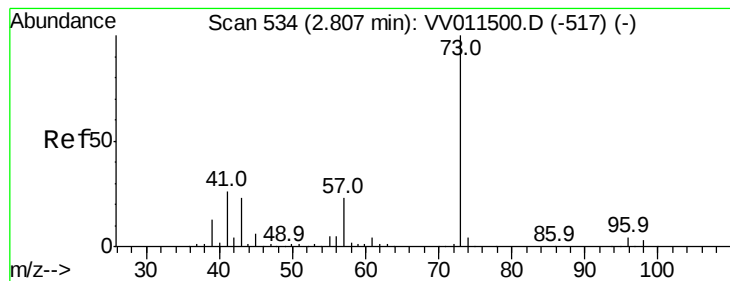
Tgt Ion: 43 Resp: 67107
Ion Ratio Lower Upper
43 100
74 19.7 16.5 24.7



#16
Methylene chloride
Concen: 10.390 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Tgt Ion: 84 Resp: 122897
Ion Ratio Lower Upper
84 100
86 63.4 42.5 78.9
49 146.0 97.7 181.5





#17

Methyl tert-butyl Ether

Concen: 11.656 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

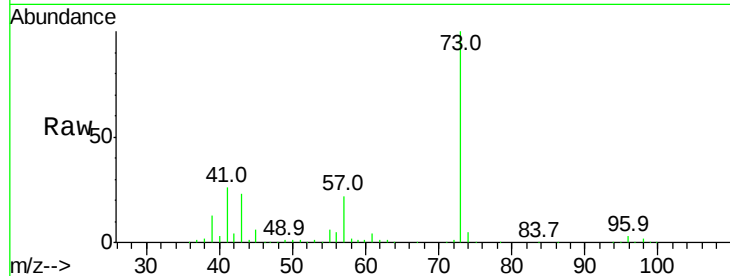
Tgt Ion: 73 Resp: 357201

Ion Ratio Lower Upper

73 100

43 23.7 18.2 27.4

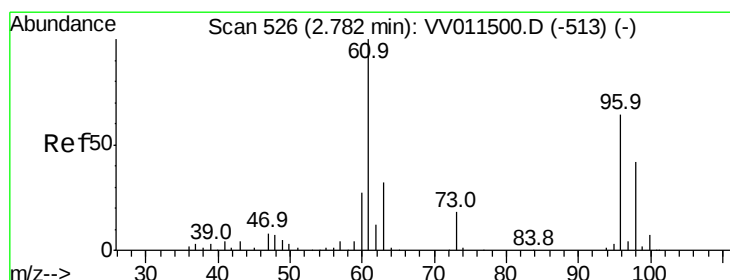
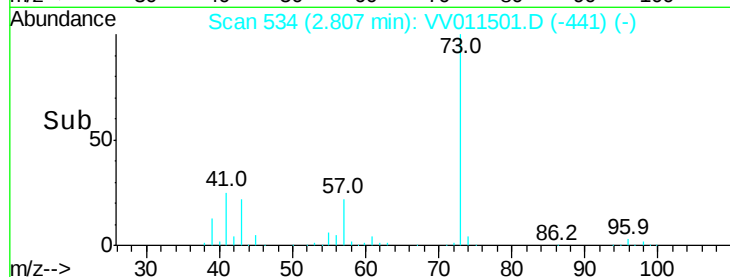
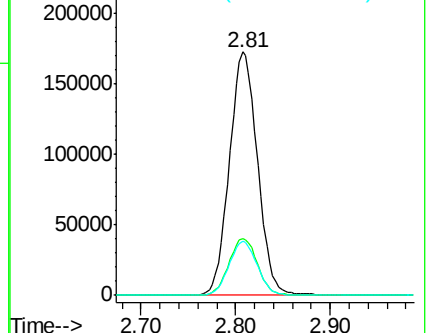
57 22.3 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VV011501.D (-441) (-)

Ion 43.05 (42.75 to 43.75): VV011501.D (-441) (-)

Ion 57.10 (56.80 to 57.80): VV011501.D (-441) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.962 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

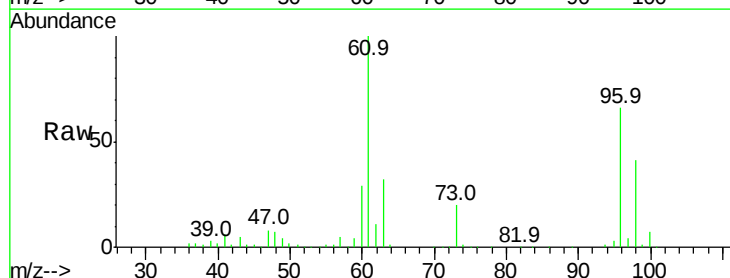
Tgt Ion: 96 Resp: 128047

Ion Ratio Lower Upper

96 100

61 150.6 110.0 204.4

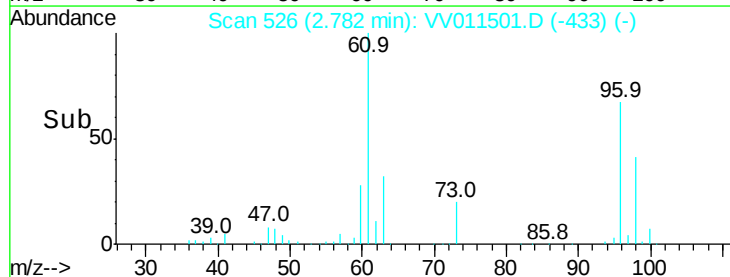
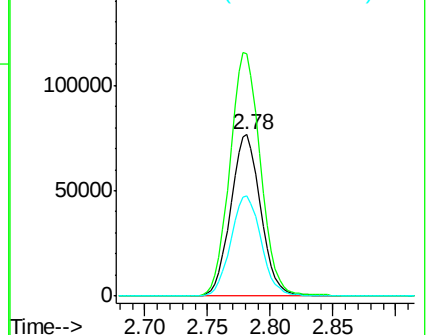
98 61.8 45.8 85.0

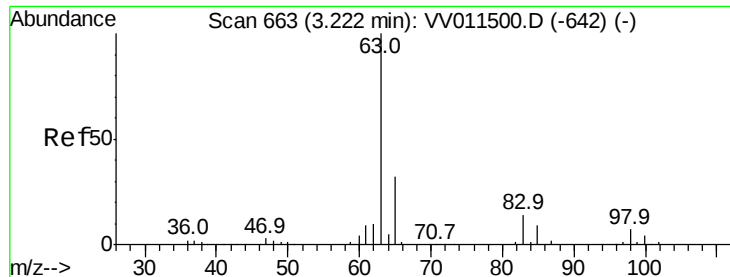


Abundance Ion 96.00 (95.70 to 96.70): VV011501.D (-433) (-)

Ion 61.05 (60.75 to 61.75): VV011501.D (-433) (-)

Ion 97.95 (97.65 to 98.65): VV011501.D (-433) (-)

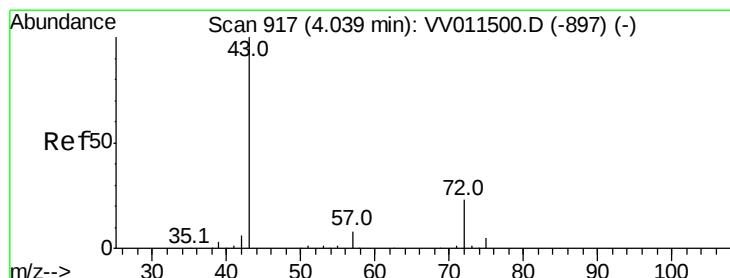
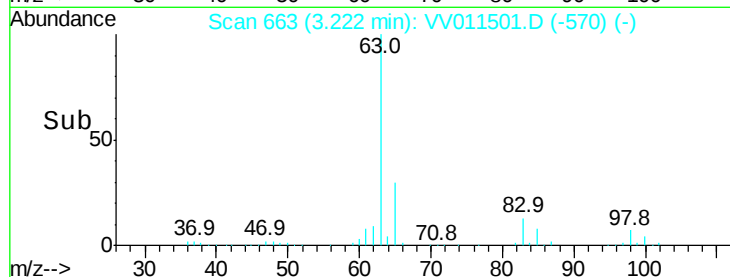
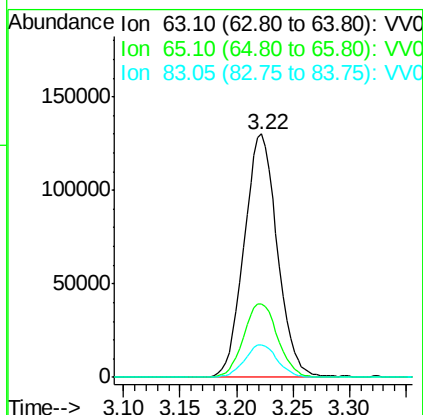
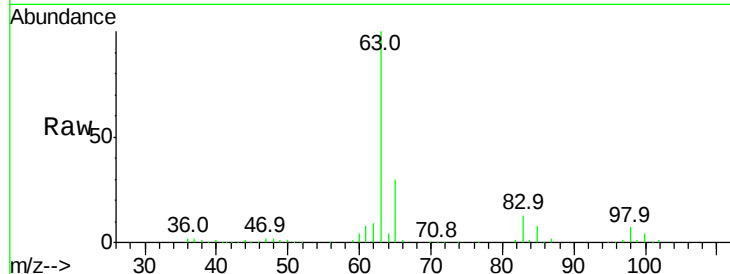




#19
 1,1-Dichloroethane
 Concen: 10.493 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

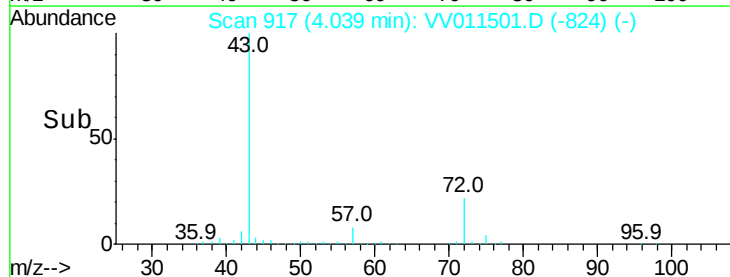
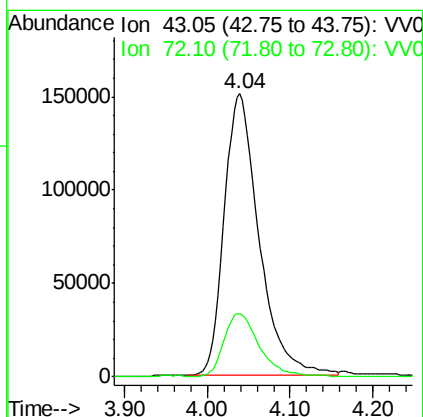
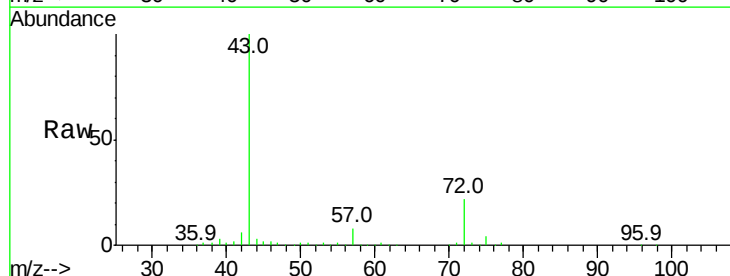
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

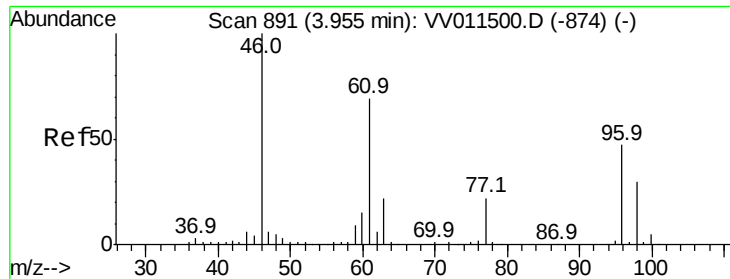
Tgt Ion: 63 Resp: 266032
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.5 41.9
 83 13.4 10.1 18.9



#21
 2-Butanone
 Concen: 136.985 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Tgt Ion: 43 Resp: 439650
 Ion Ratio Lower Upper
 43 100
 72 22.6 11.8 35.4

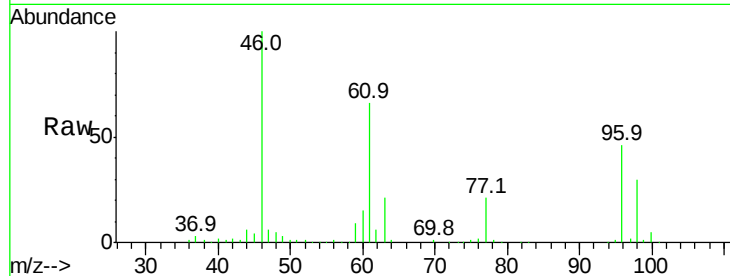




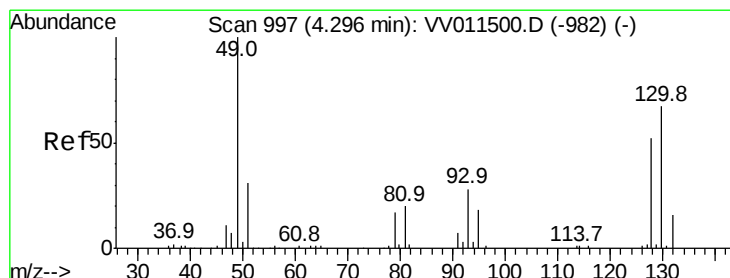
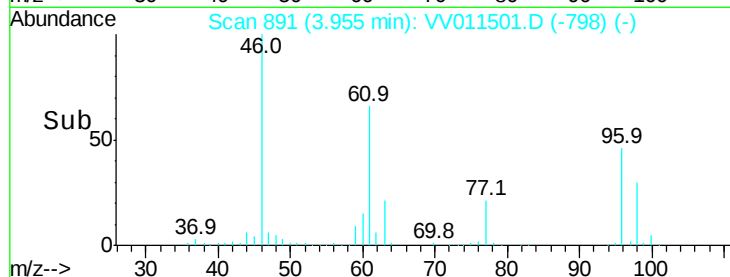
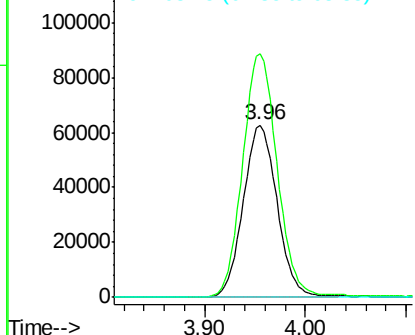
#22
 cis-1,2-Dichloroethene
 Concen: 10.243 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

Tgt Ion: 96 Resp: 145804
 Ion Ratio Lower Upper
 96 100
 61 141.5 102.2 189.8
 68 0.0 0.0 0.0

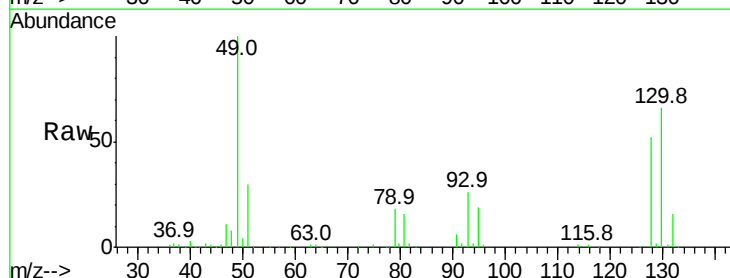


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

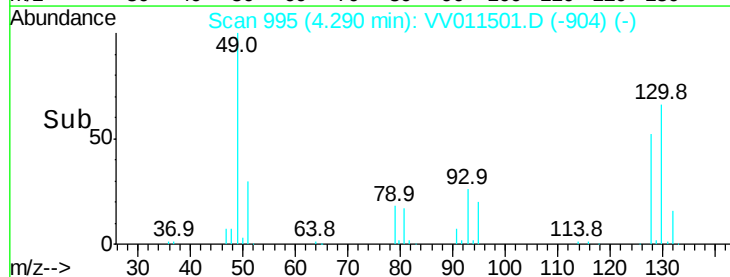
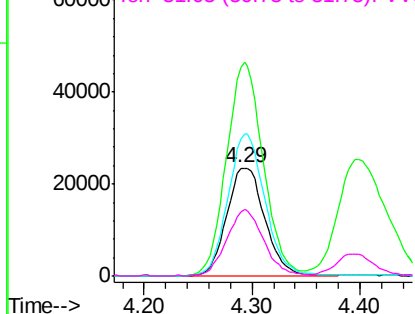


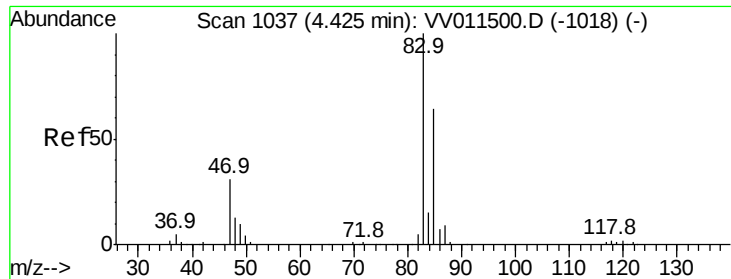
#23
 Bromochloromethane
 Concen: 10.697 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Tgt Ion: 128 Resp: 58371
 Ion Ratio Lower Upper
 128 100
 49 192.9 136.2 253.0
 130 126.8 91.3 169.5
 51 58.7 47.4 71.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

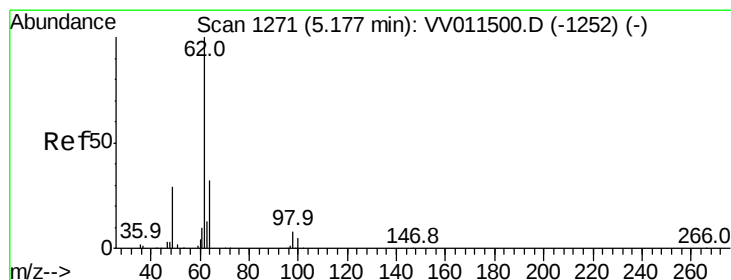
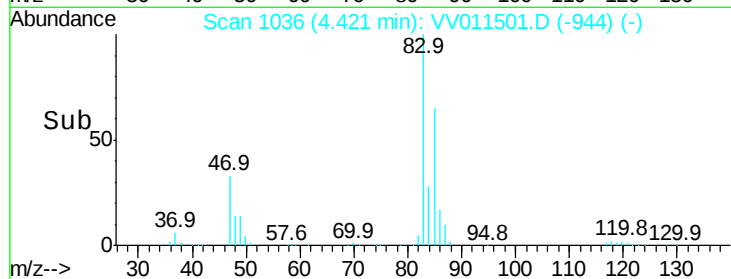
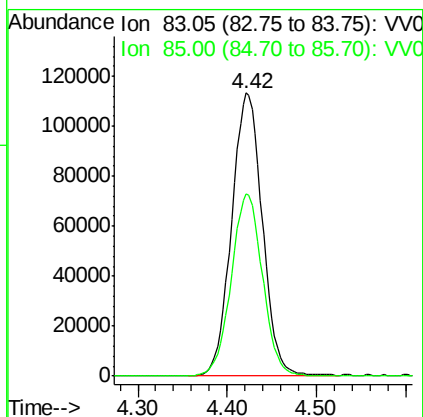
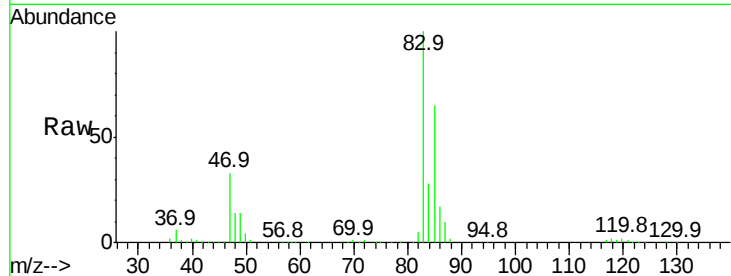




#25
Chloroform
Concen: 10.358 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

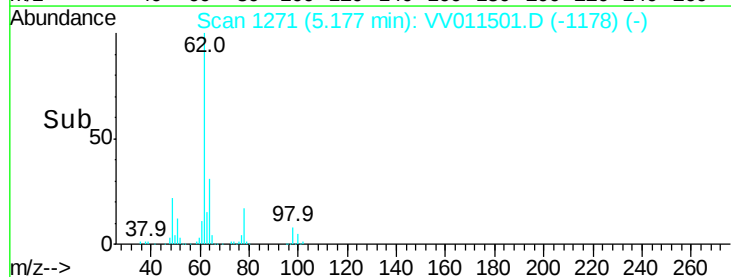
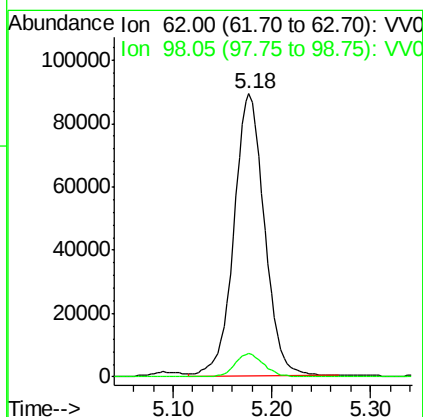
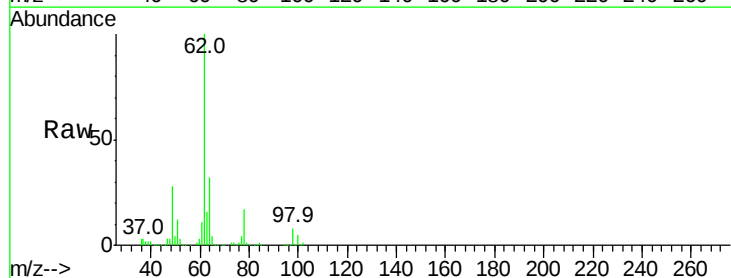
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

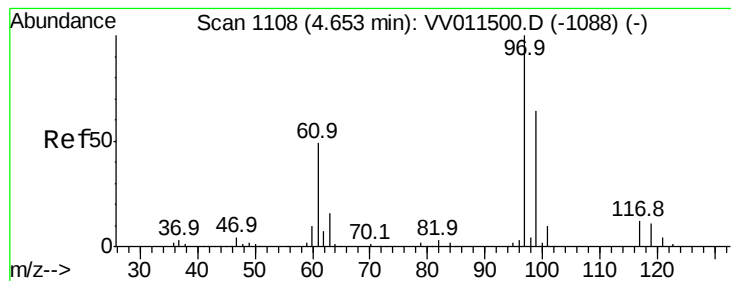
Tgt Ion: 83 Resp: 271216
Ion Ratio Lower Upper
83 100
85 64.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 12.002 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Tgt Ion: 62 Resp: 192042
Ion Ratio Lower Upper
62 100
98 8.3 6.5 9.7





#29

1,1,1-Trichloroethane

Concen: 10.085 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

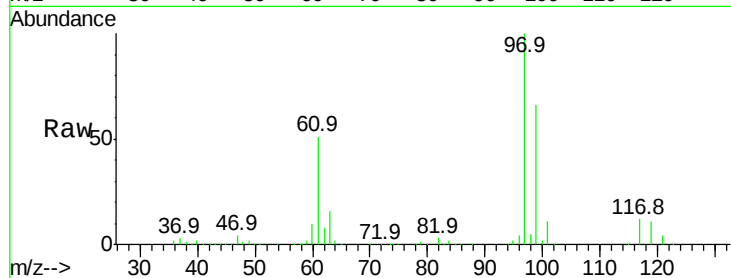
Tgt Ion: 97 Resp: 214520

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

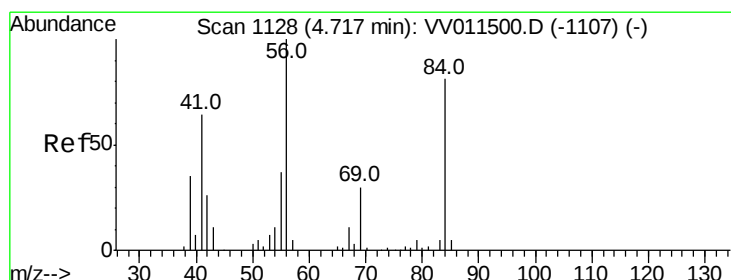
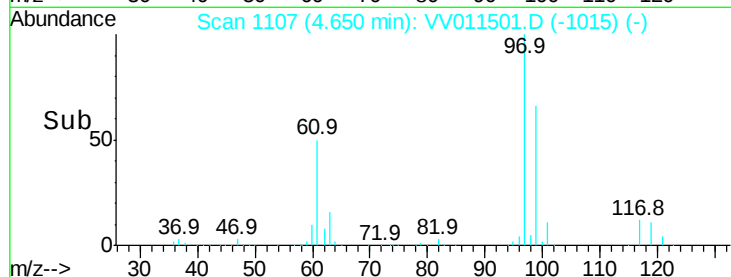
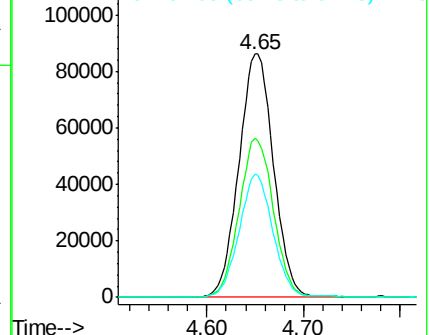
61 49.3 40.4 60.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 8.935 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

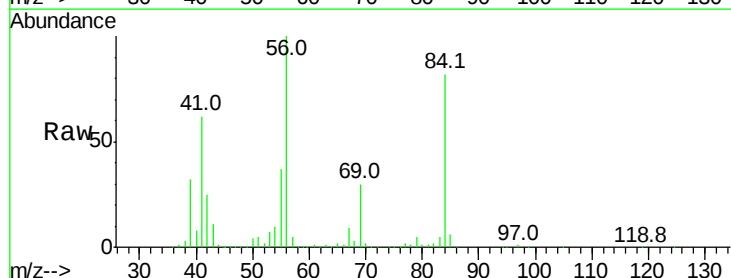
Tgt Ion: 56 Resp: 210717

Ion Ratio Lower Upper

56 100

69 29.1 24.1 36.1

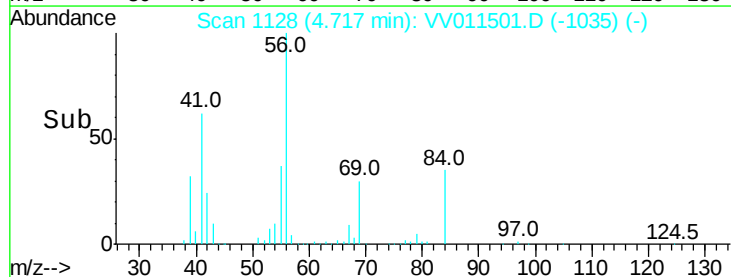
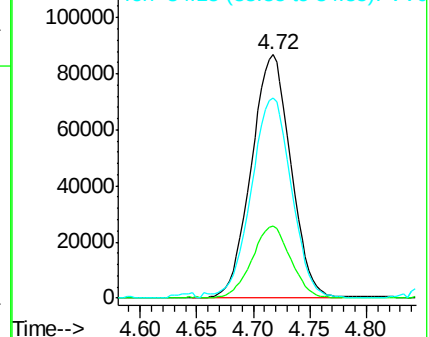
84 84.0 66.8 100.2

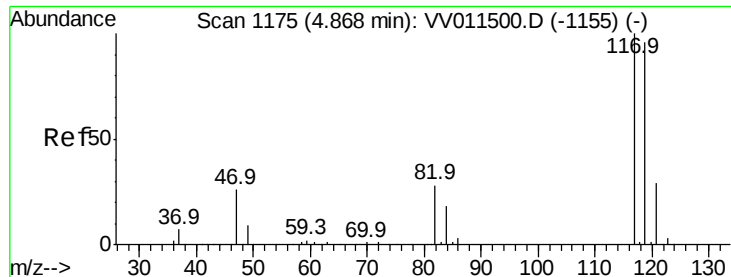


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0



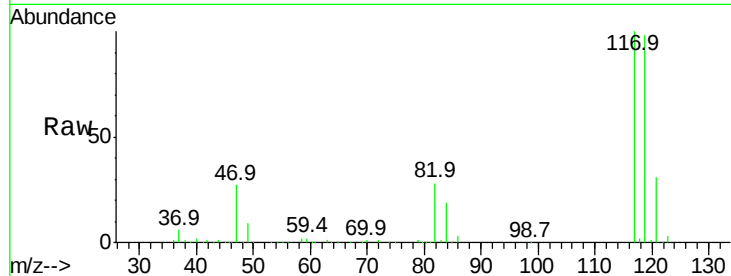


#31

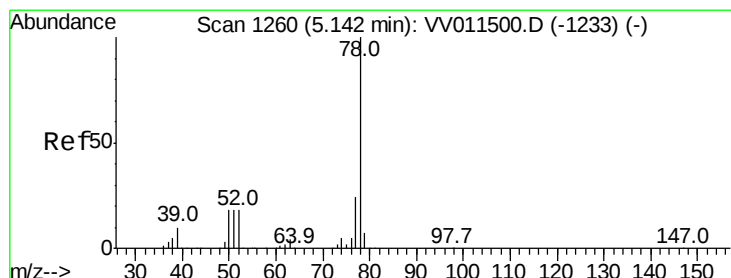
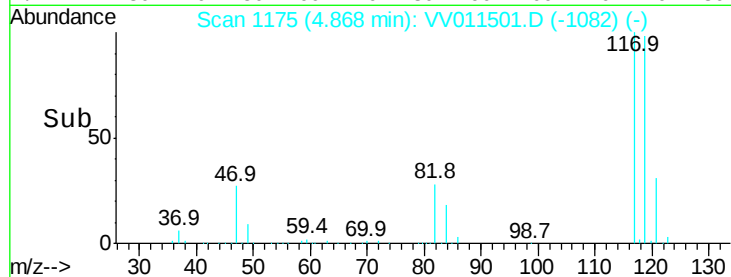
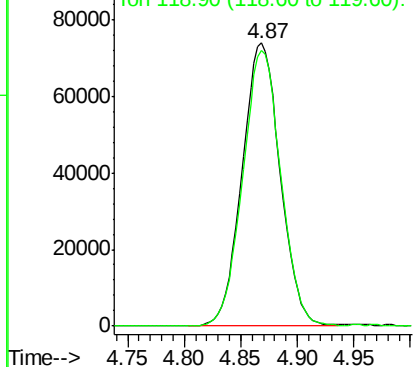
Carbon tetrachloride
Concen: 9.732 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Tgt Ion:117 Resp: 173022
Ion Ratio Lower Upper
117 100
119 97.3 77.4 116.2



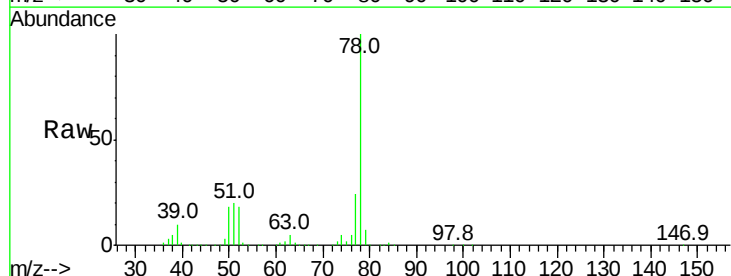
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



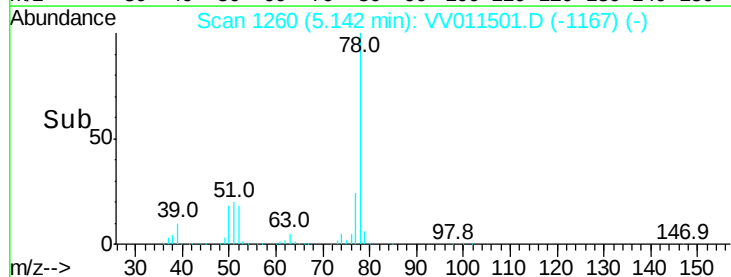
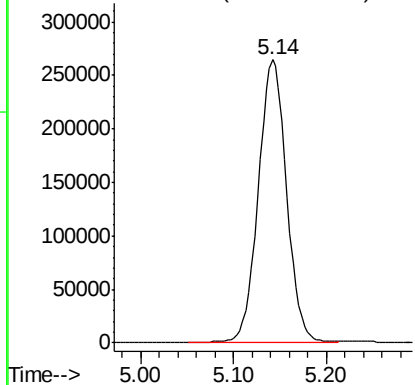
#33

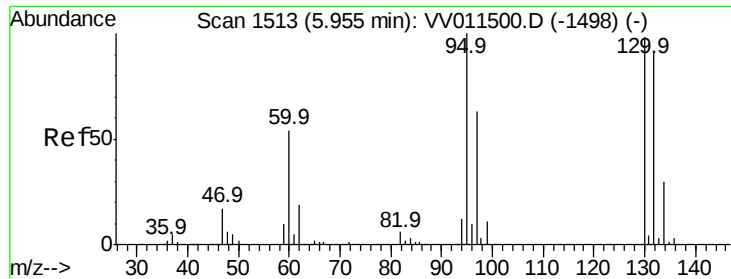
Benzene
Concen: 10.643 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Tgt Ion: 78 Resp: 564796



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.089 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

Tgt Ion: 95 Resp: 138313

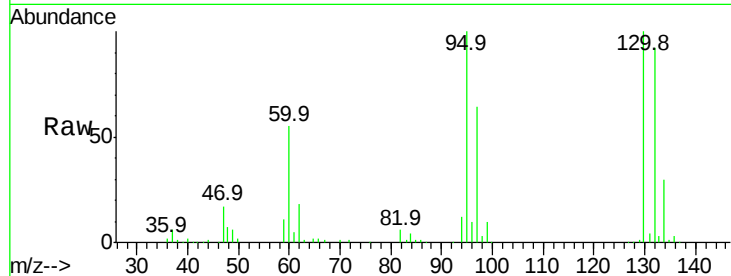
Ion Ratio Lower Upper

95 100

97 64.1 44.4 82.4

132 91.7 63.5 117.9

130 99.6 68.5 127.3

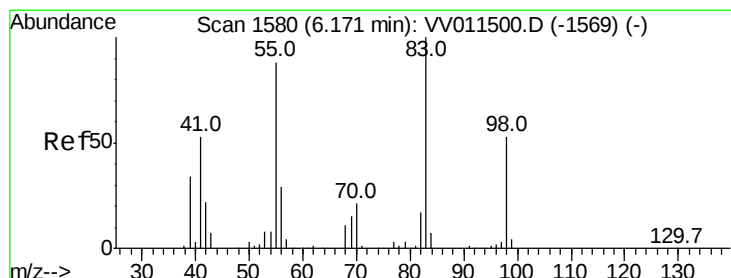
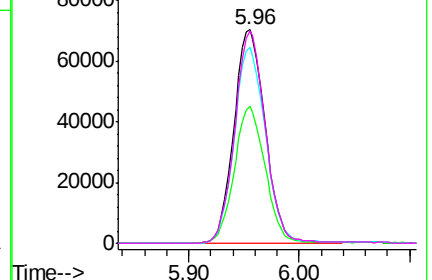
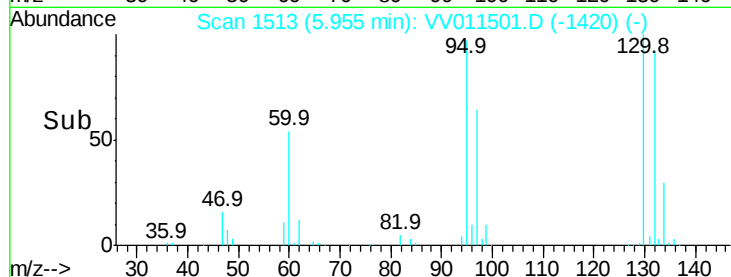


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 9.003 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

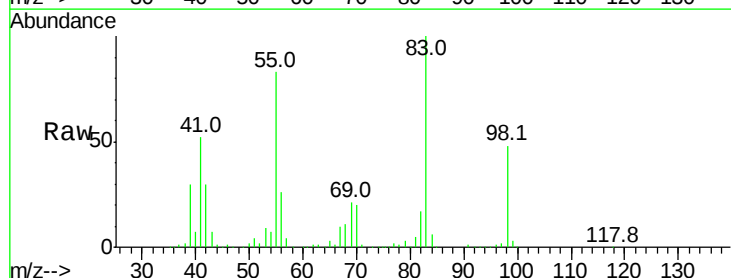
Tgt Ion: 83 Resp: 204120

Ion Ratio Lower Upper

83 100

55 83.9 67.9 101.9

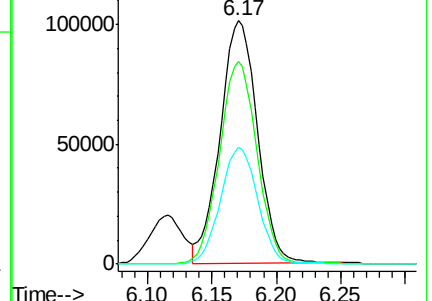
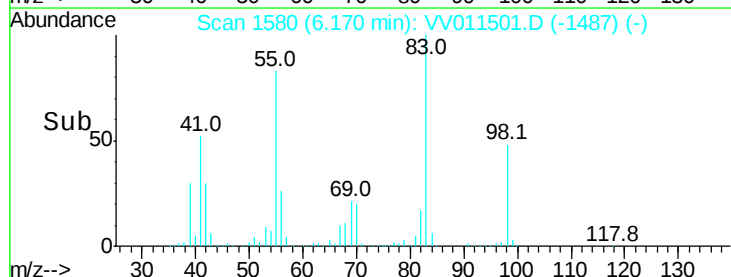
98 48.7 39.6 59.4

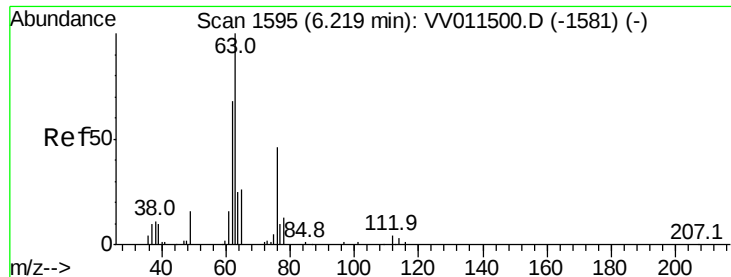


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 11.270 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

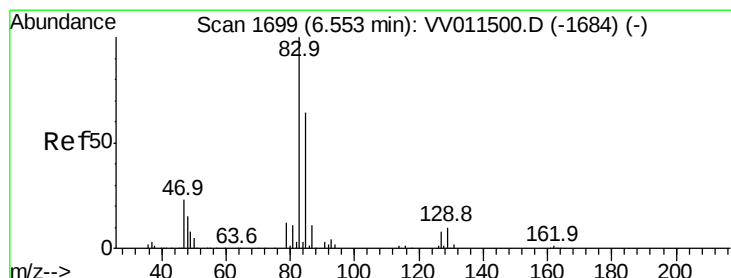
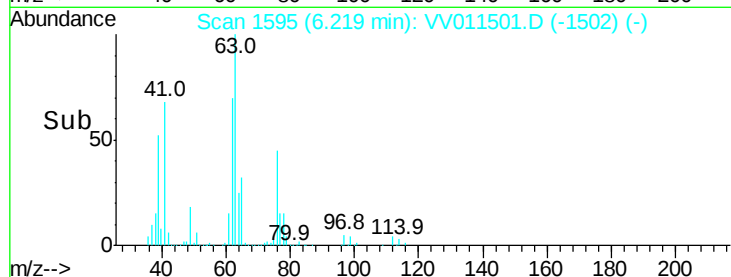
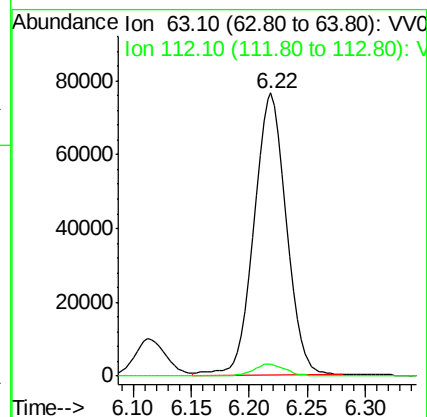
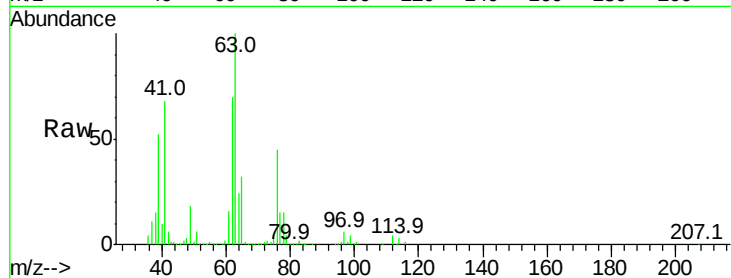
VSTD01034

Tgt Ion: 63 Resp: 148848

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 10.985 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

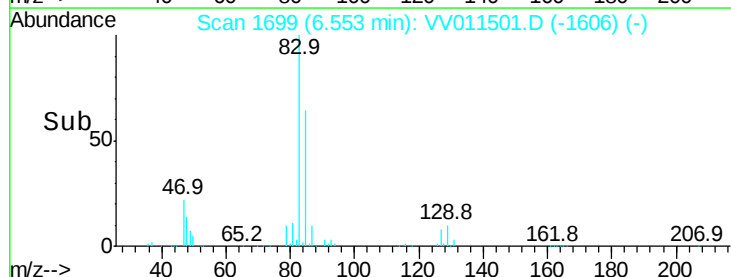
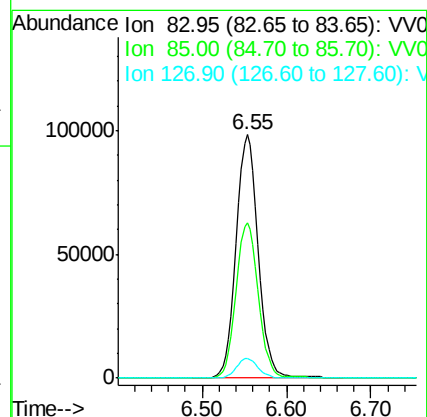
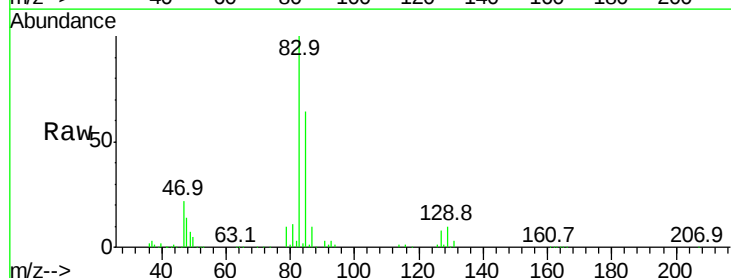
Tgt Ion: 83 Resp: 179385

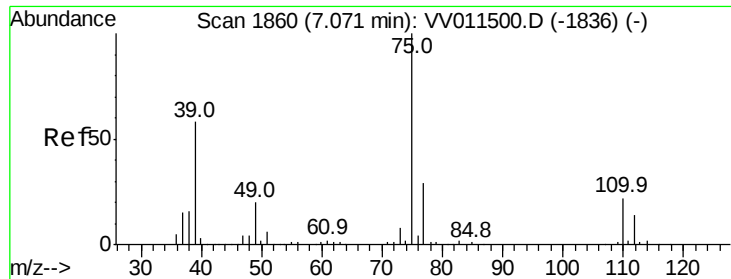
Ion Ratio Lower Upper

83 100

85 63.8 44.7 83.1

127 8.1 6.2 9.4



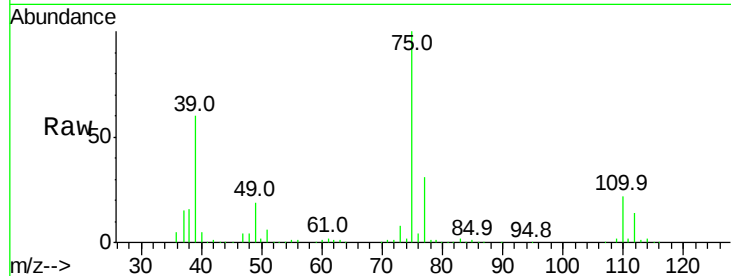


#39

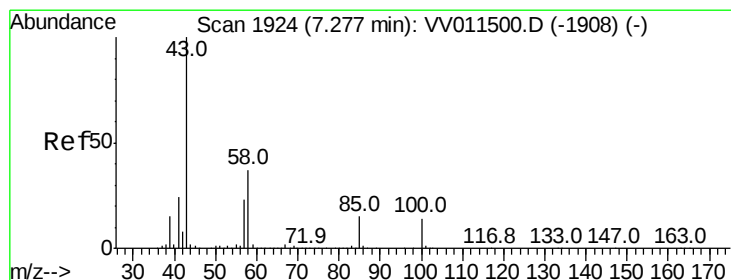
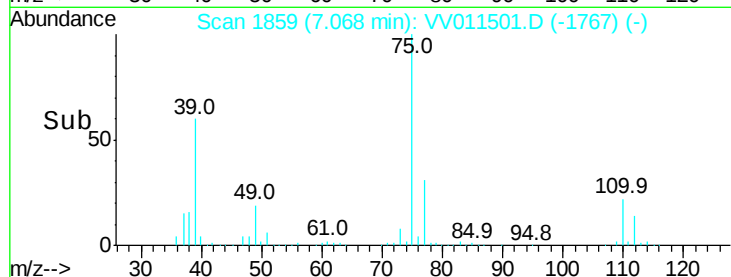
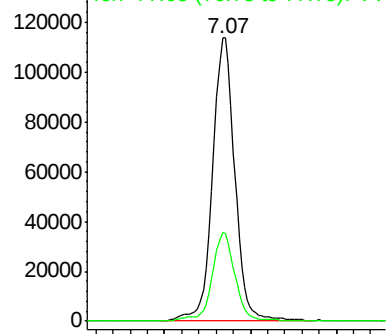
cis-1,3-Dichloropropene
Concen: 10.647 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Tgt Ion: 75 Resp: 205741
Ion Ratio Lower Upper
75 100
77 31.4 20.6 38.4



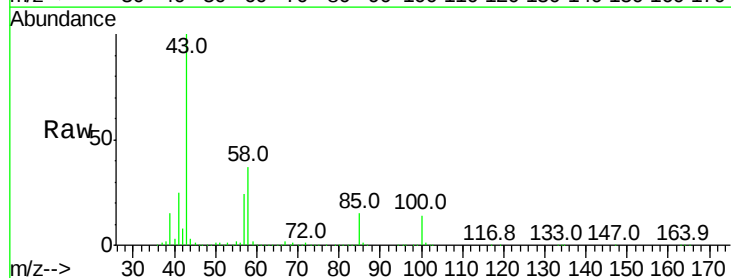
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



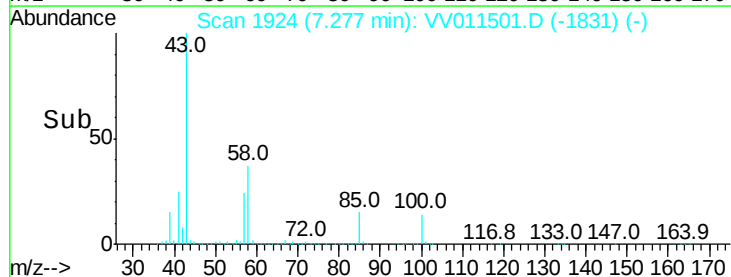
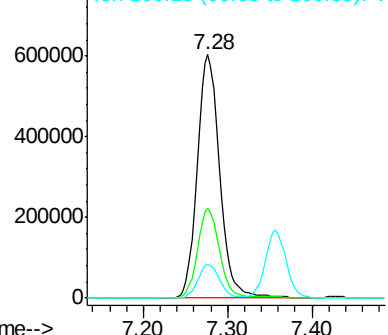
#40

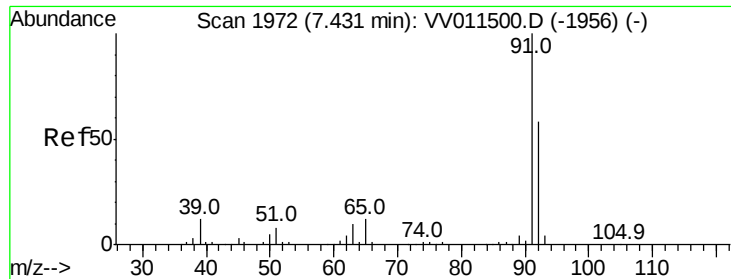
4-Methyl-2-pentanone
Concen: 132.353 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Tgt Ion: 43 Resp: 1113215
Ion Ratio Lower Upper
43 100
58 36.1 28.7 43.1
100 13.4 10.6 15.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 10.136 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

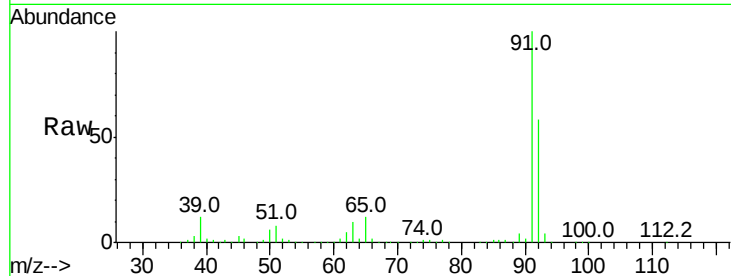
VSTD01034

Tgt Ion: 91 Resp: 573272

Ion Ratio Lower Upper

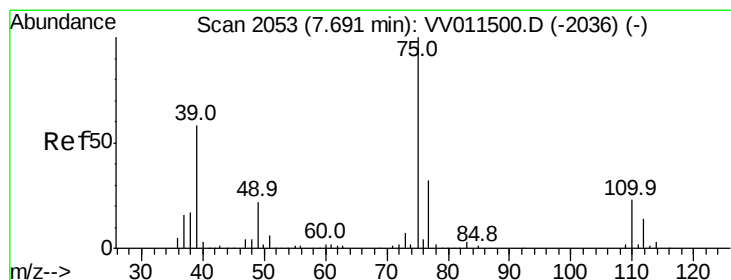
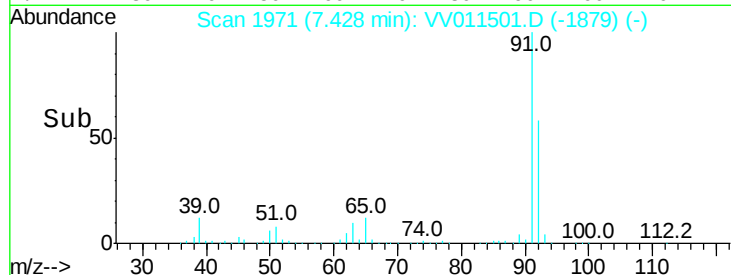
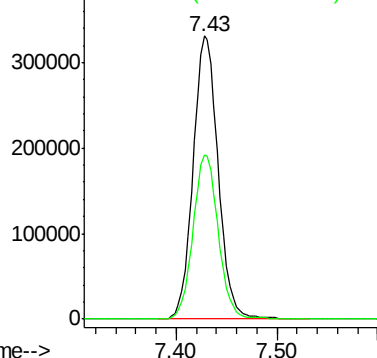
91 100

92 58.1 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 10.916 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011501.D

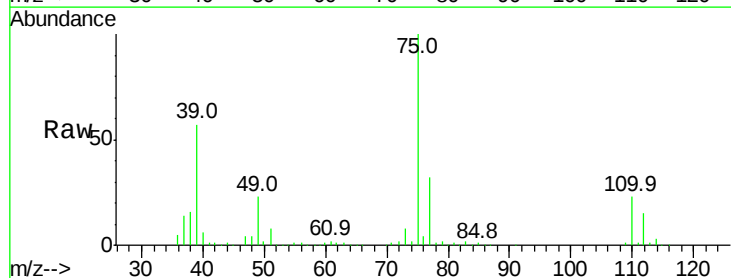
Acq: 14 Jun 2019 18:04

Tgt Ion: 75 Resp: 160375

Ion Ratio Lower Upper

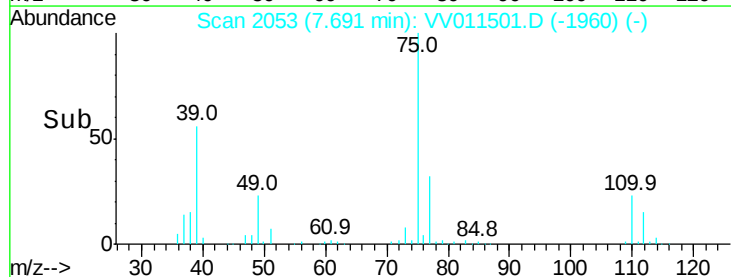
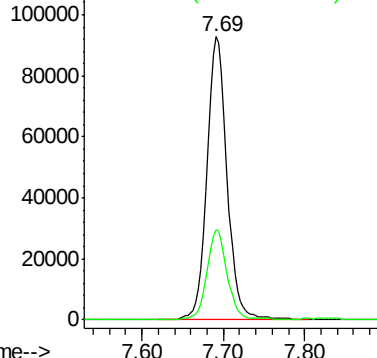
75 100

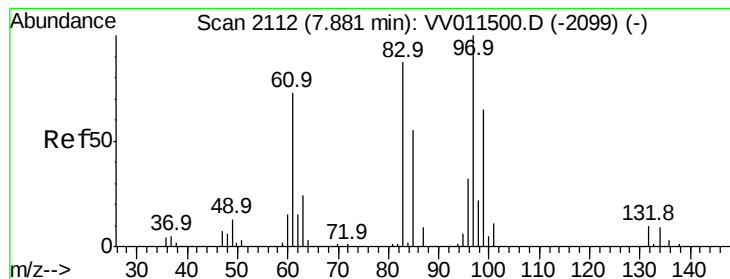
77 31.8 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 11.893 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

Tgt Ion: 97 Resp: 100549

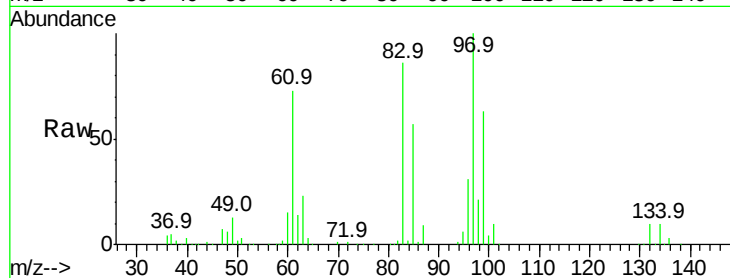
Ion Ratio Lower Upper

97 100

99 63.1 45.4 84.4

83 86.4 60.6 112.6

85 57.0 38.6 71.6

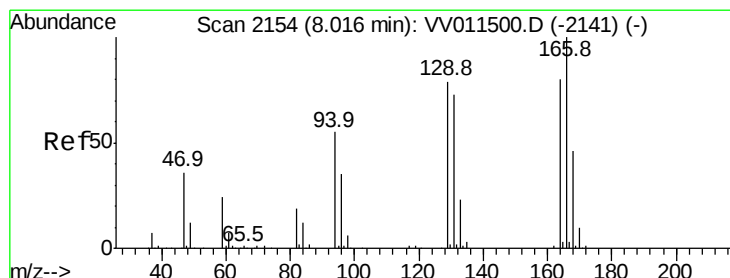
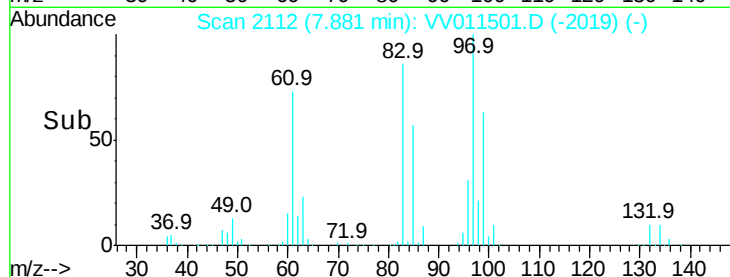
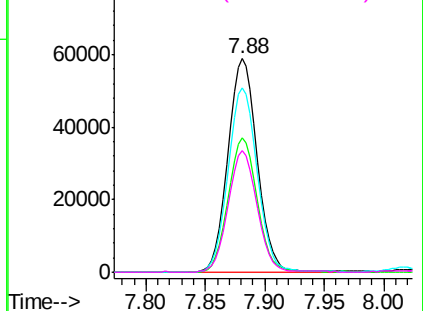


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 9.811 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Tgt Ion: 164 Resp: 97203

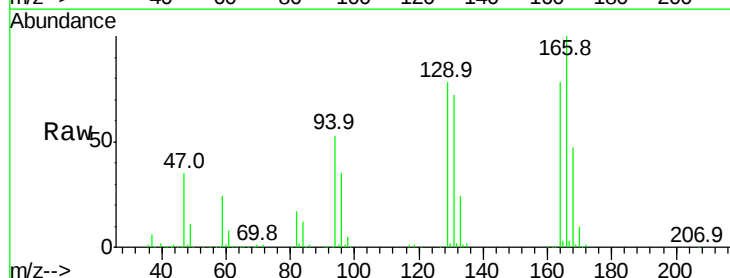
Ion Ratio Lower Upper

164 100

129 98.9 68.8 127.8

131 91.6 63.2 117.4

166 127.5 87.0 161.6

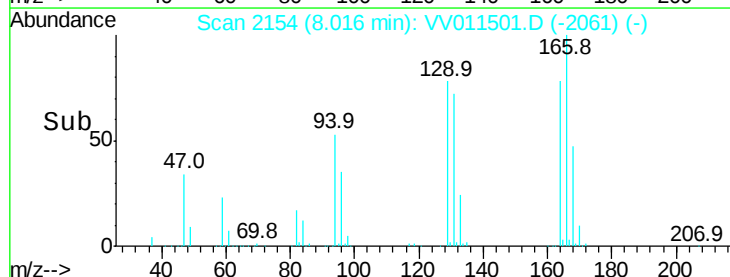
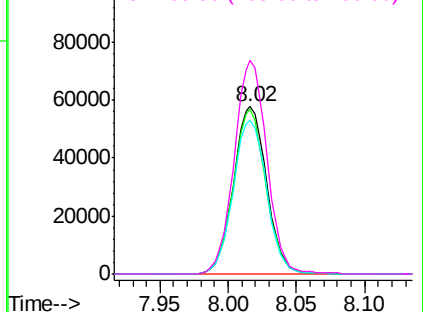


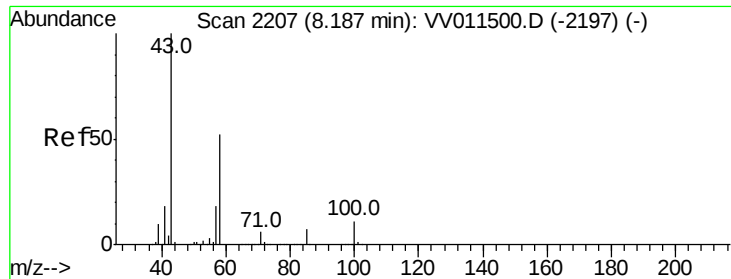
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

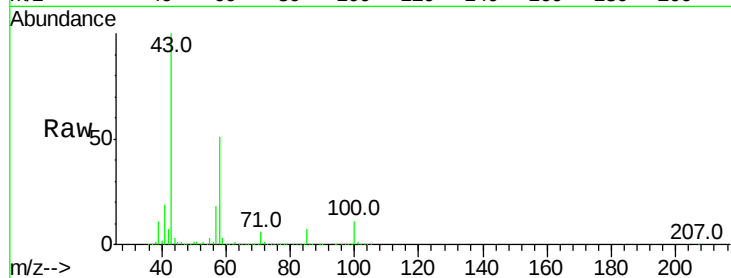




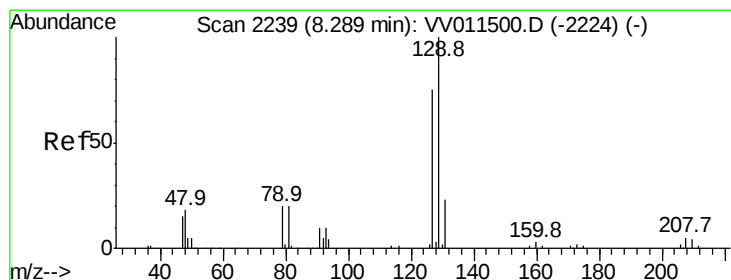
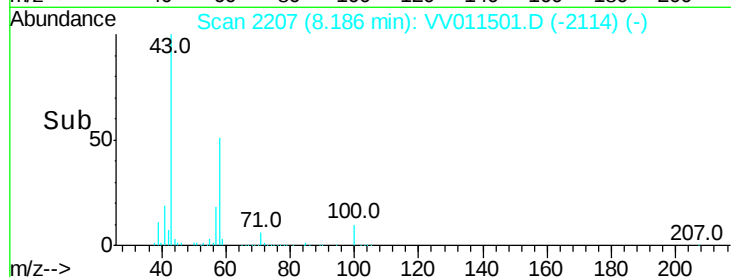
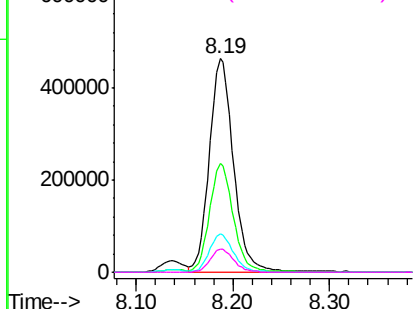
#48
2-Hexanone
Concen: 136.399 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Tgt Ion: 43 Resp: 800120
Ion Ratio Lower Upper
43 100
58 50.2 40.6 60.8
57 17.8 14.2 21.4
100 10.7 8.6 12.8

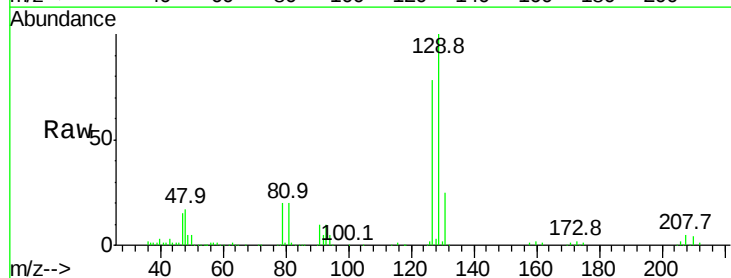


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

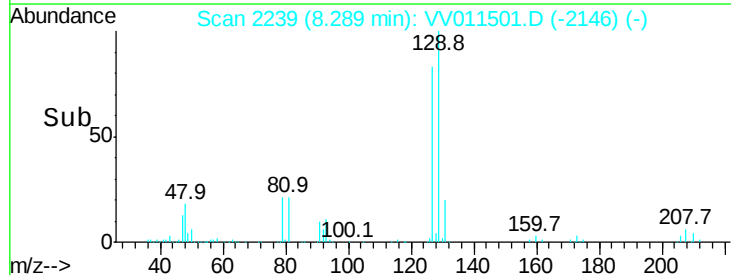
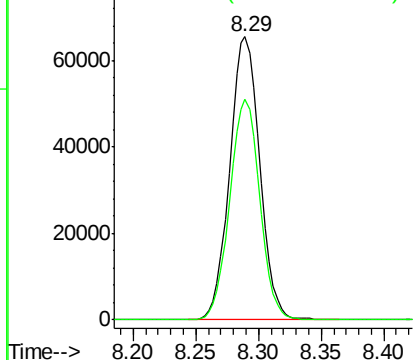


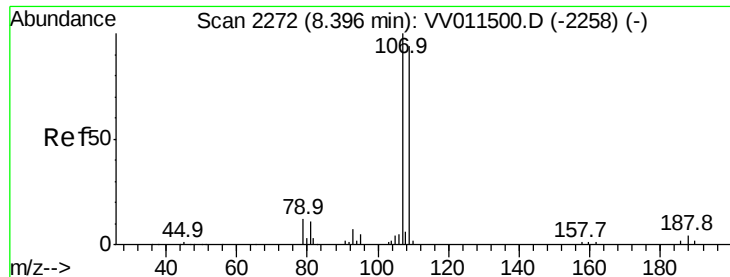
#49
Dibromochloromethane
Concen: 11.343 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Tgt Ion: 129 Resp: 108931
Ion Ratio Lower Upper
129 100
127 77.8 52.6 97.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

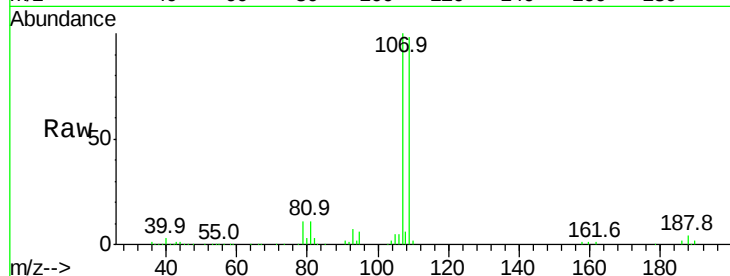




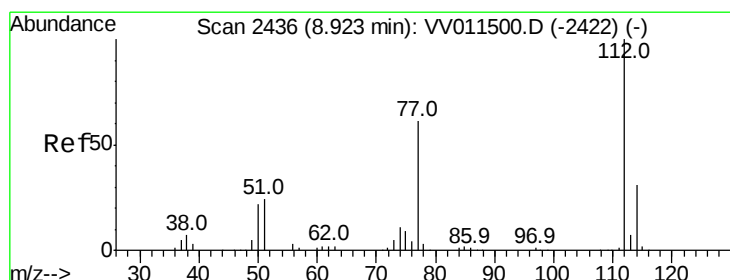
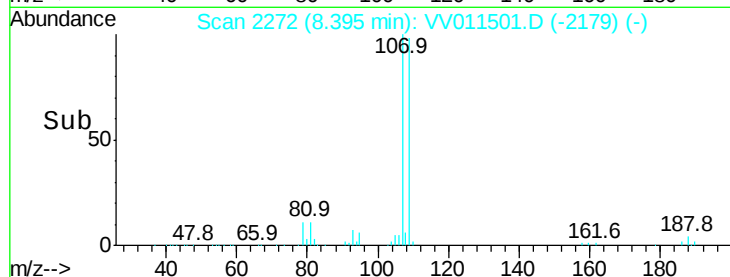
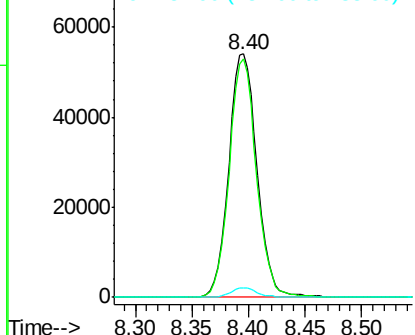
#50
 1,2-Dibromoethane
 Concen: 11.661 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

Tgt Ion:107 Resp: 93718
 Ion Ratio Lower Upper
 107 100
 109 98.1 65.7 121.9
 188 3.8 2.9 4.3

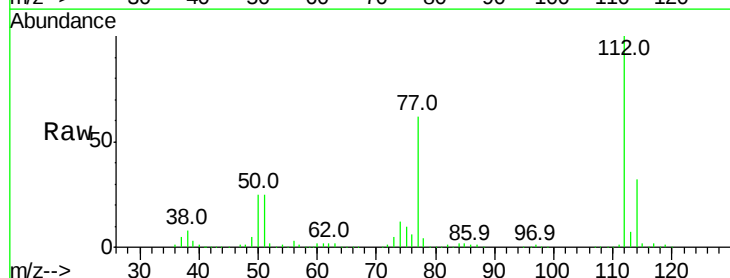


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

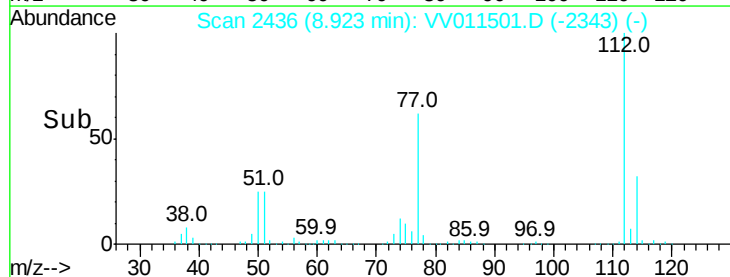
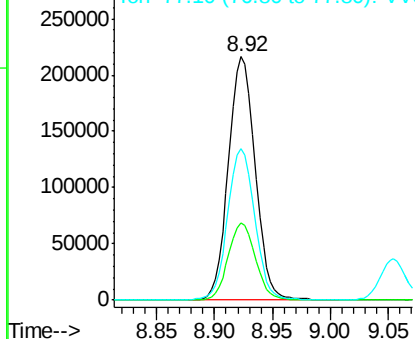


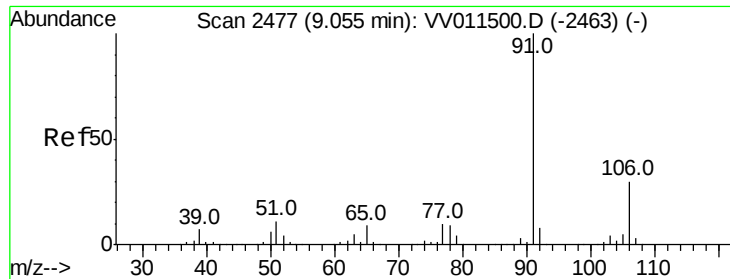
#51
 Chlorobenzene
 Concen: 10.070 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Tgt Ion:112 Resp: 347345
 Ion Ratio Lower Upper
 112 100
 114 31.6 21.9 40.7
 77 62.4 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

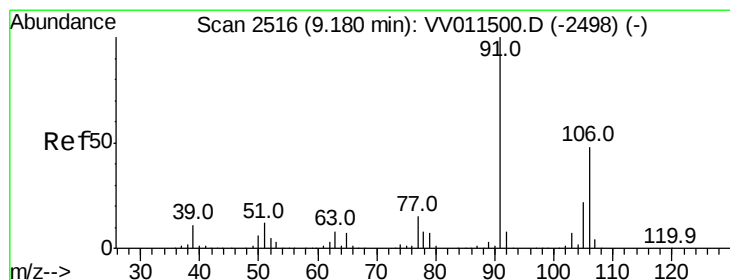
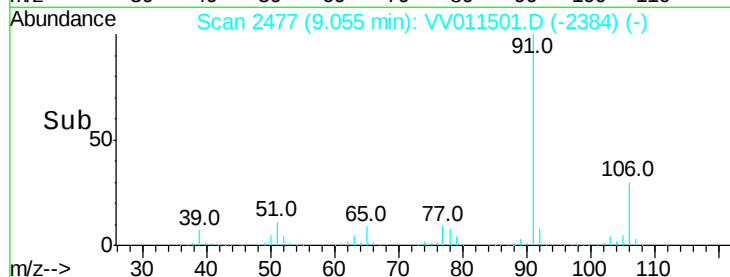
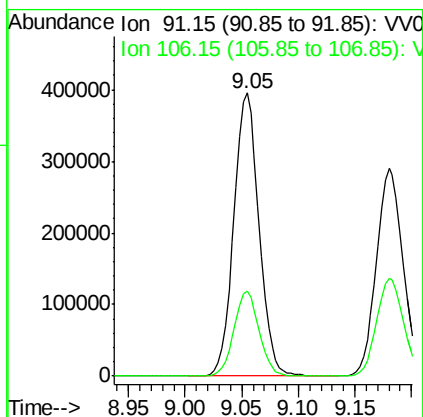
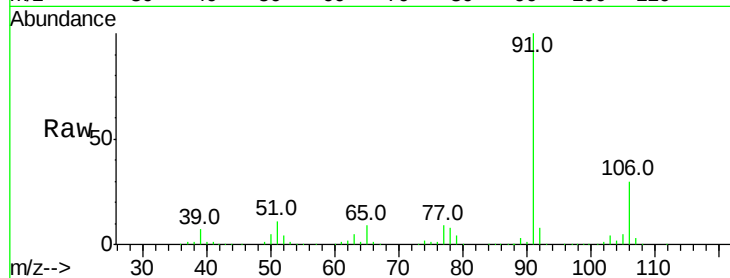




#52
Ethylbenzene
Concen: 9.785 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

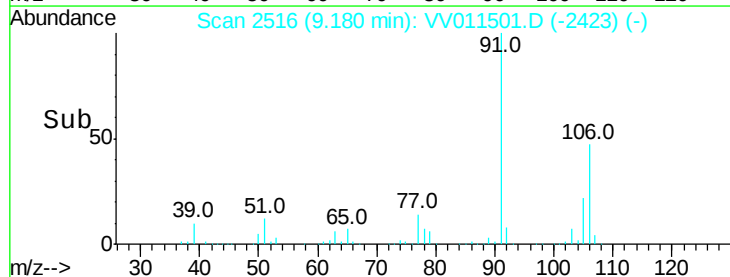
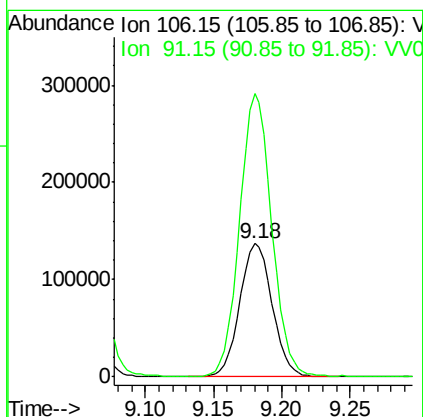
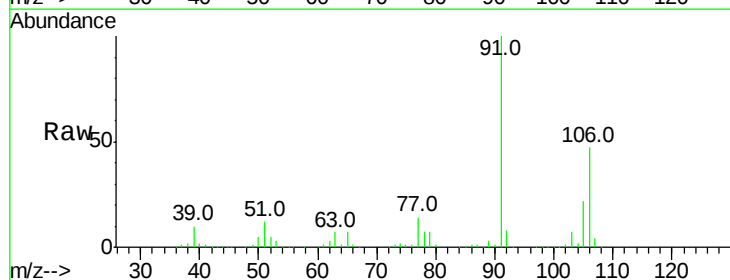
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

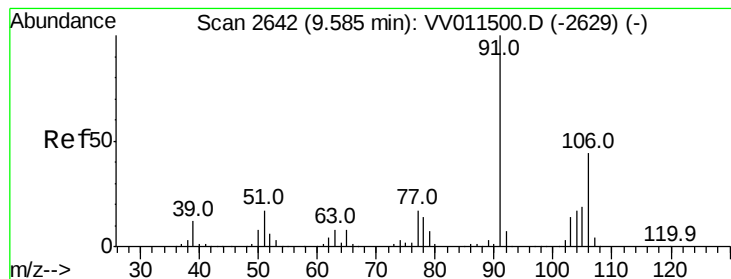
Tgt Ion: 91 Resp: 614610
Ion Ratio Lower Upper
91 100
106 30.0 21.2 39.4



#53
m,p-xylene
Concen: 9.768 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Tgt Ion: 106 Resp: 226890
Ion Ratio Lower Upper
106 100
91 212.8 145.5 270.3





#54

o-xylene

Concen: 9.958 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

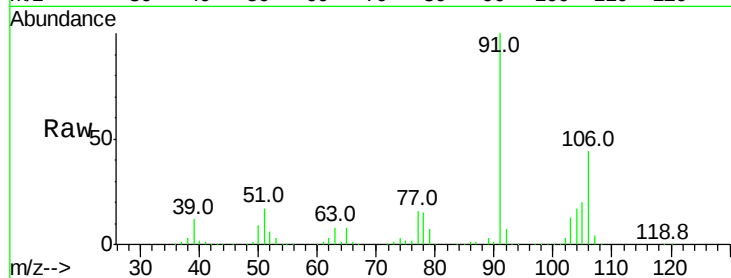
VSTD01034

Tgt Ion:106 Resp: 227013

Ion Ratio Lower Upper

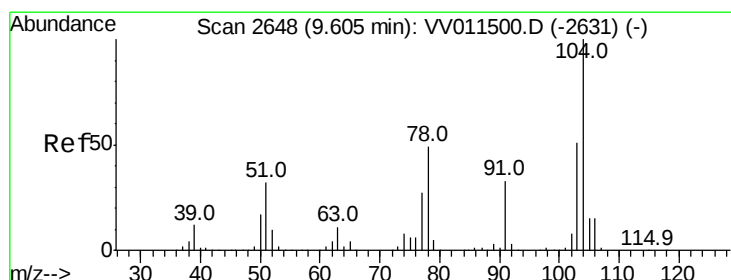
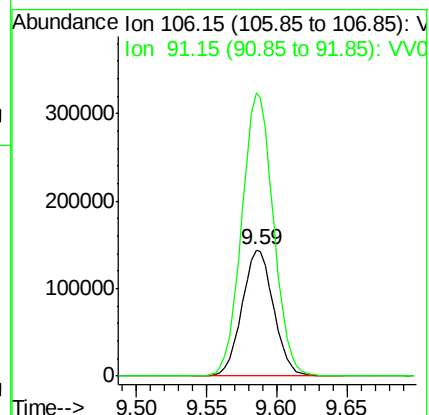
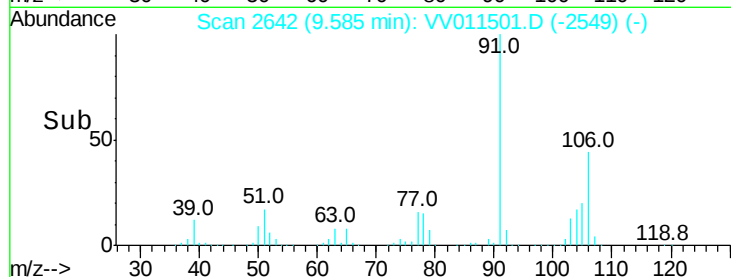
106 100

91 224.8 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.535 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011501.D

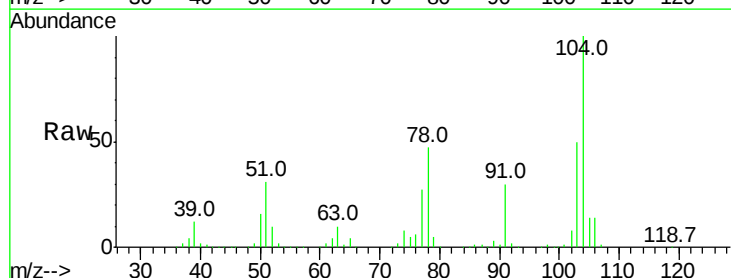
Acq: 14 Jun 2019 18:04

Tgt Ion:104 Resp: 391130

Ion Ratio Lower Upper

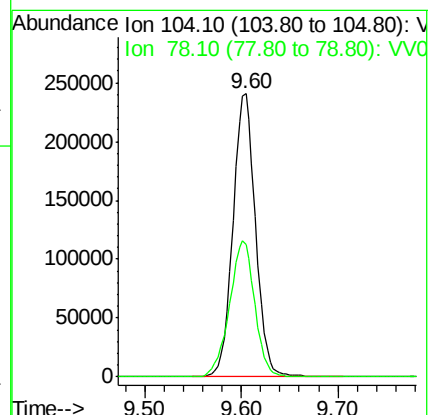
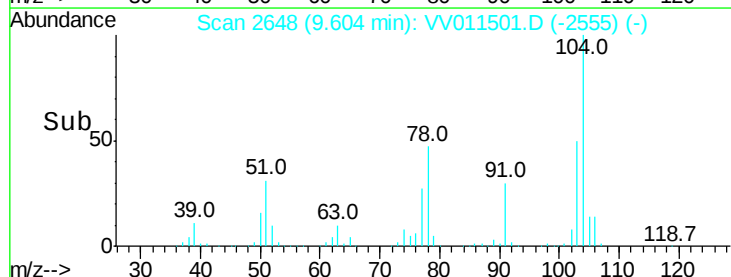
104 100

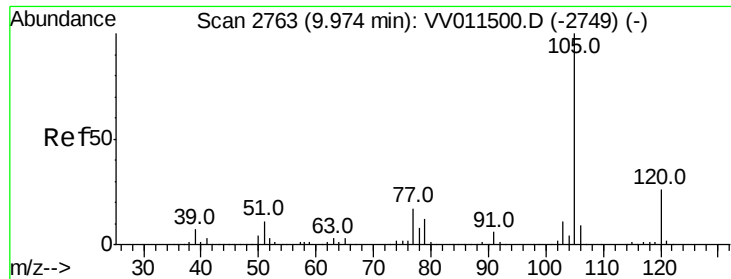
78 46.8 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

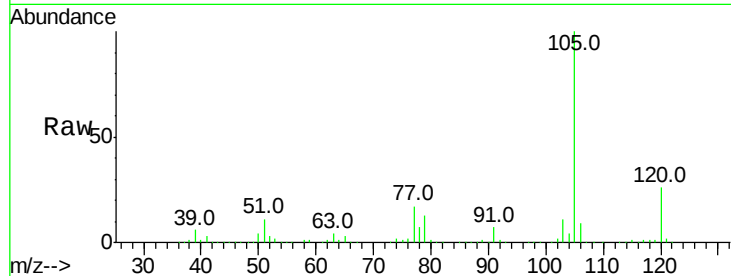




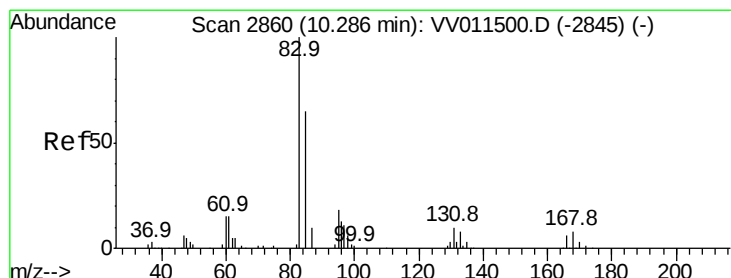
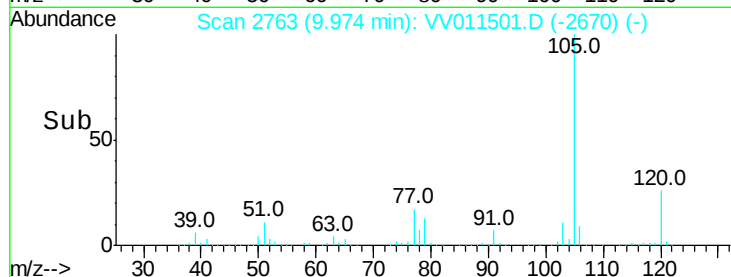
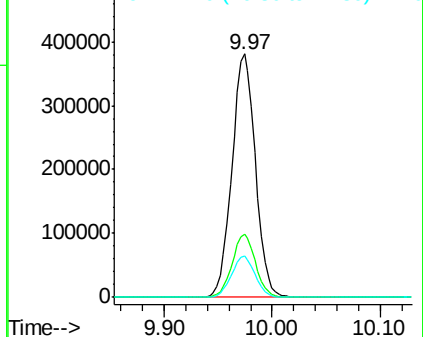
#56
Isopropylbenzene
Concen: 9.421 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Tgt Ion:105 Resp: 578033
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 17.1 13.8 20.8

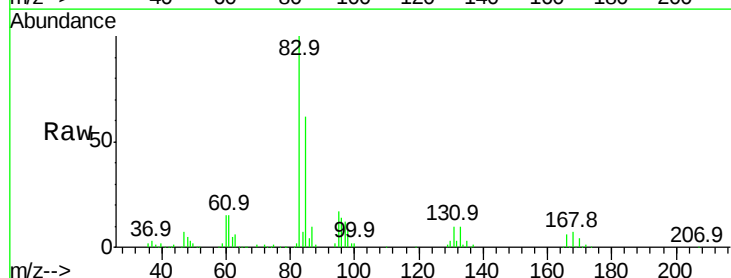


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

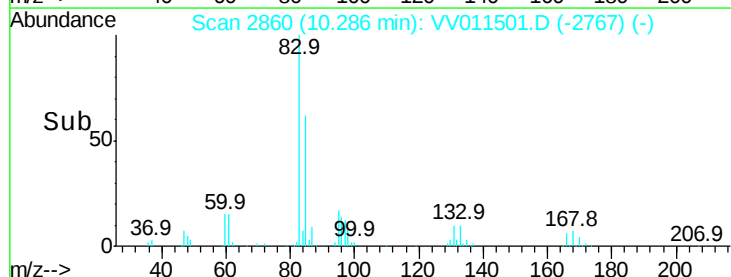
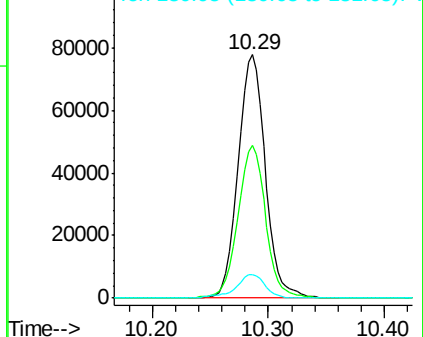


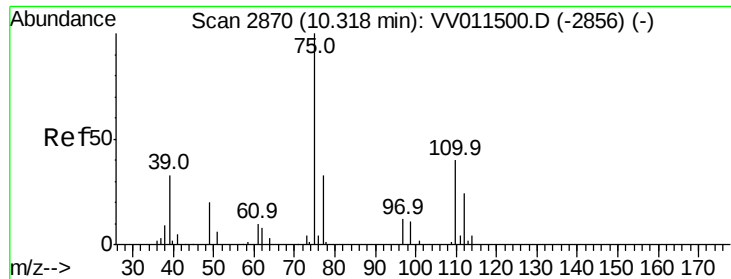
#58
1,1,2,2-Tetrachloroethane
Concen: 12.294 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VV011501.D
Acq: 14 Jun 2019 18:04

Tgt Ion: 83 Resp: 126012
Ion Ratio Lower Upper
83 100
85 62.5 45.6 84.8
131 9.7 7.9 11.9



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 12.162 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

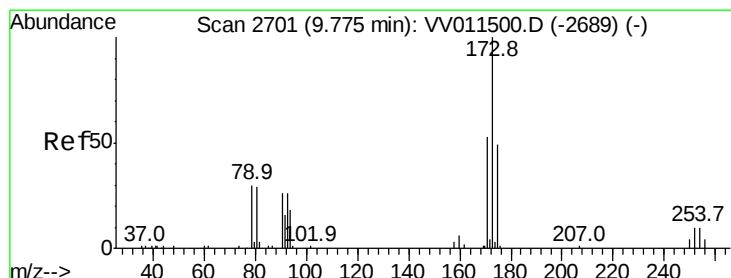
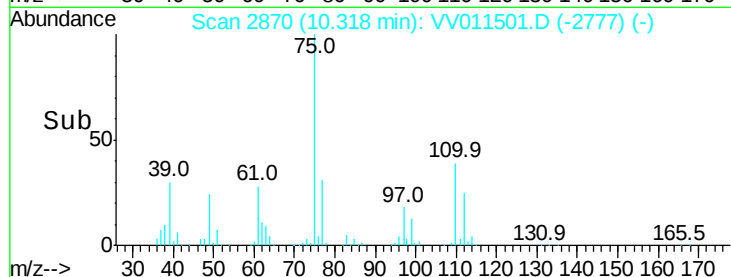
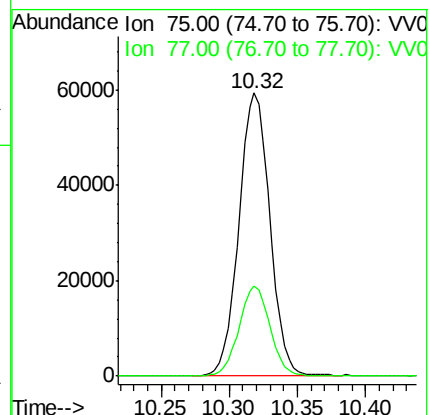
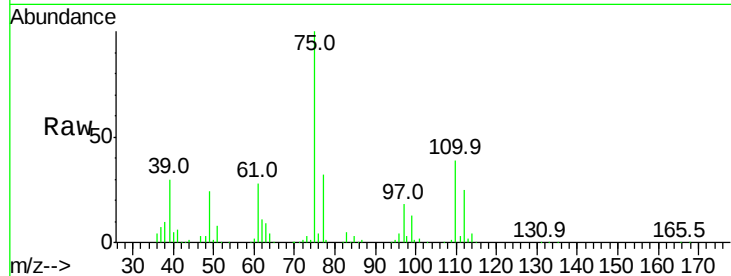
VSTD01034

Tgt Ion: 75 Resp: 93691

Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0



#61

Bromoform

Concen: 11.417 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

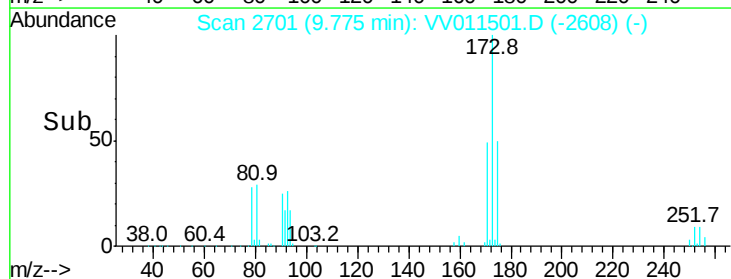
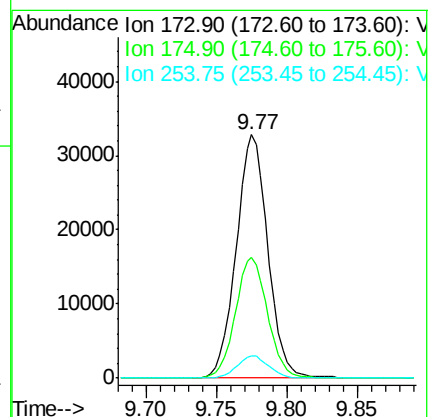
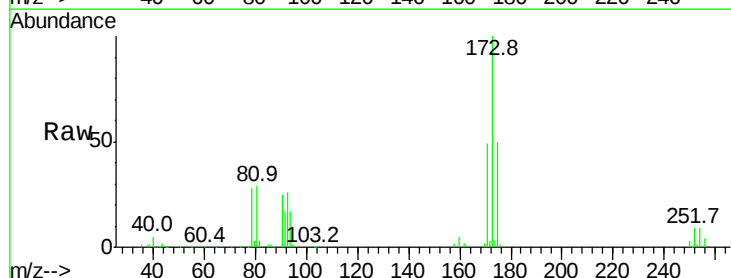
Tgt Ion: 173 Resp: 51542

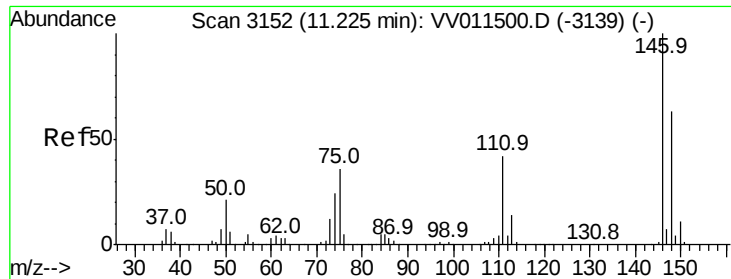
Ion Ratio Lower Upper

173 100

175 50.2 38.3 57.5

254 9.2 7.9 11.9

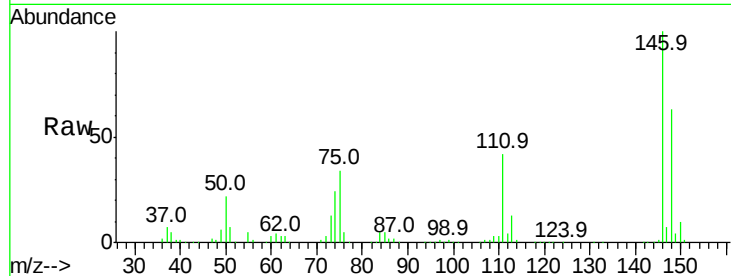




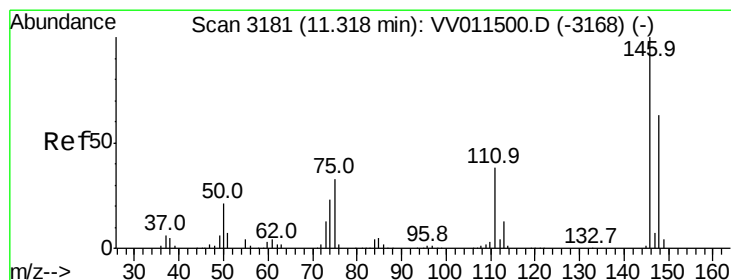
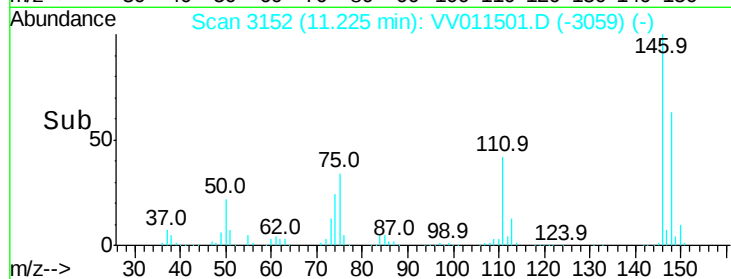
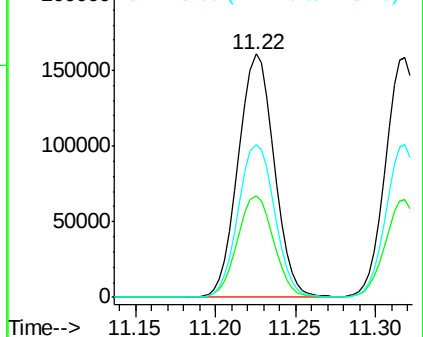
#62
 1,3-Dichlorobenzene
 Concen: 9.946 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

Tgt Ion:146 Resp: 247153
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.2 54.2
 148 62.9 44.3 82.3

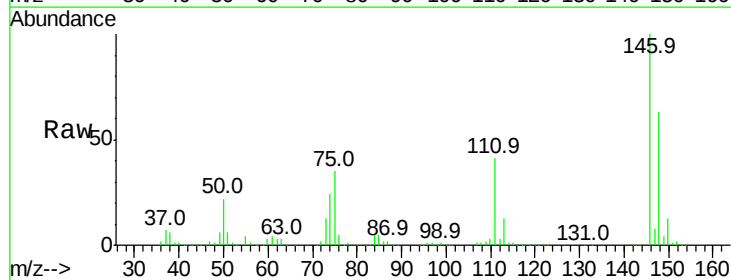


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

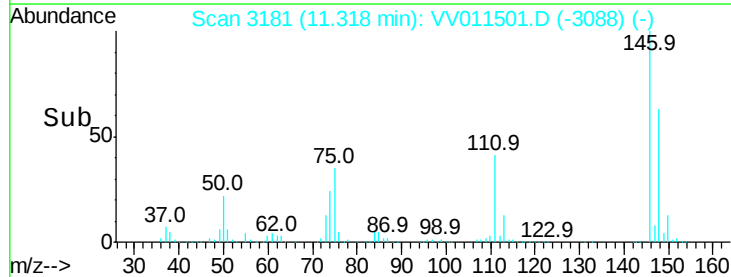
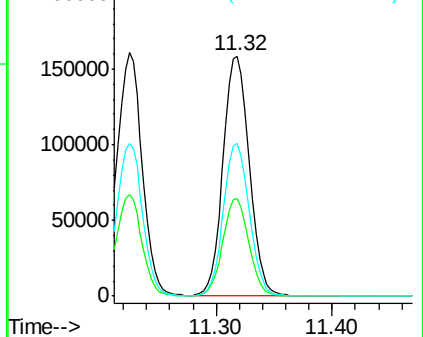


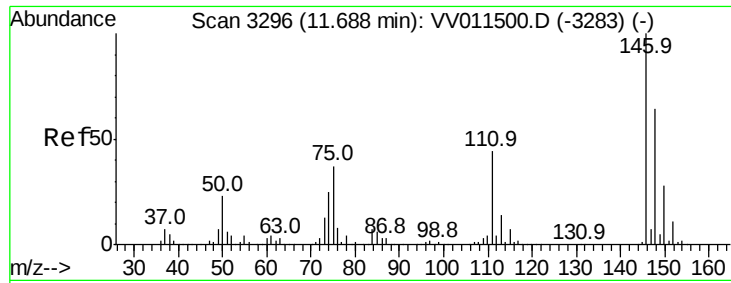
#63
 1,4-Dichlorobenzene
 Concen: 10.274 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Tgt Ion:146 Resp: 247842
 Ion Ratio Lower Upper
 146 100
 111 40.7 26.7 49.7
 148 63.4 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.690 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

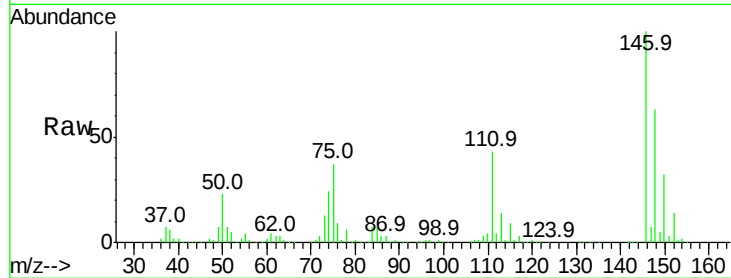
Tgt Ion:146 Resp: 245542

Ion Ratio Lower Upper

146 100

111 43.0 35.3 52.9

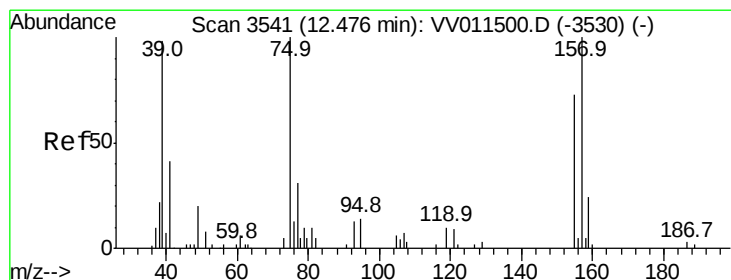
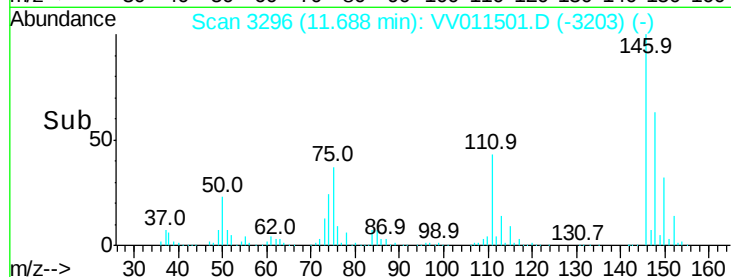
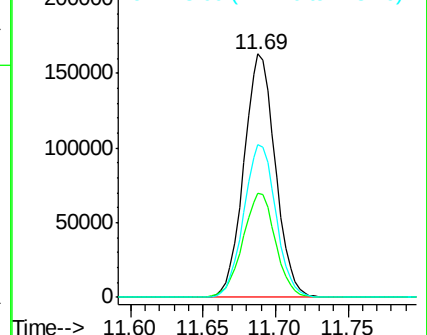
148 62.6 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): 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: 11.059 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

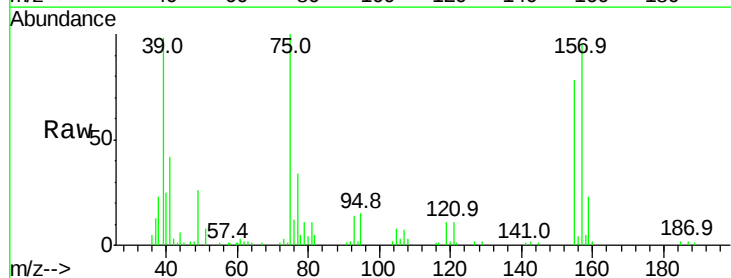
Tgt Ion: 75 Resp: 18203

Ion Ratio Lower Upper

75 100

155 78.3 58.5 87.7

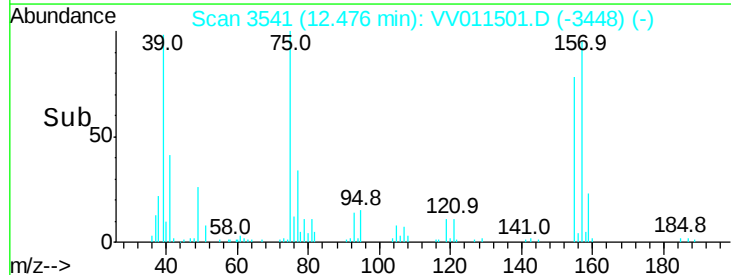
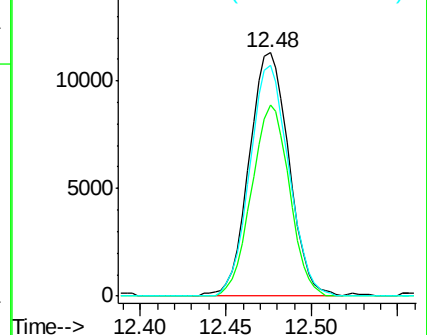
157 94.7 79.8 119.6

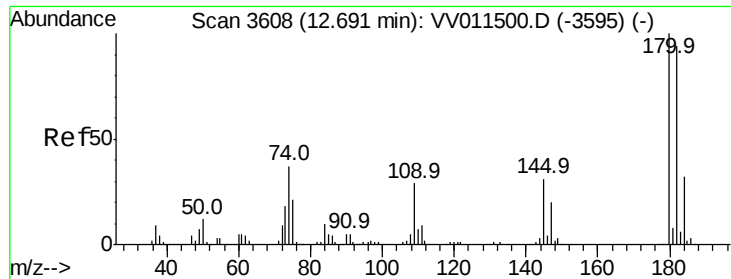


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

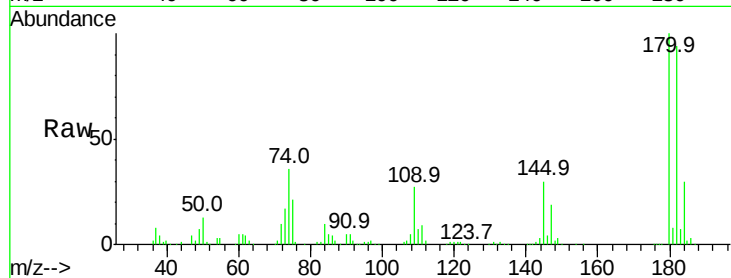




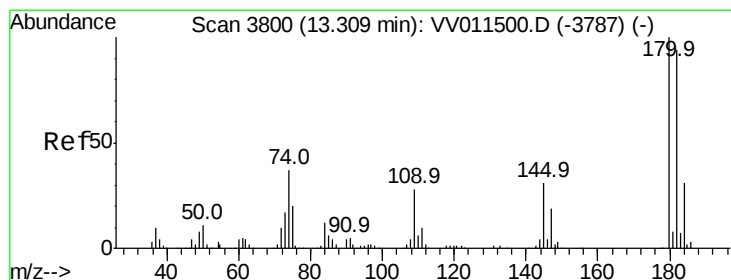
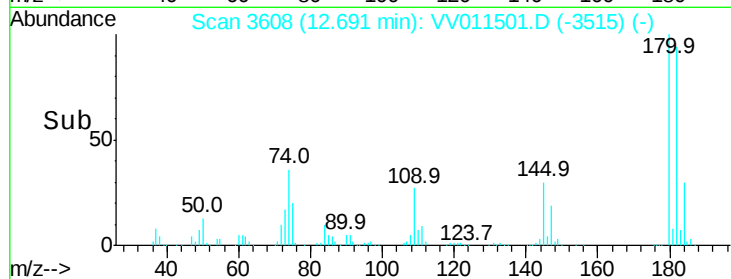
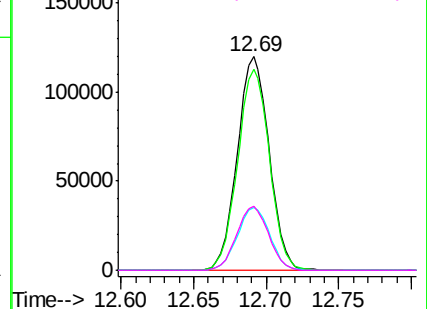
#67
 1,3,5-Trichlorobenzene
 Concen: 10.176 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

Tgt Ion:180 Resp: 181917
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.4 113.0
 184 30.0 24.0 36.0
 145 30.1 24.4 36.6

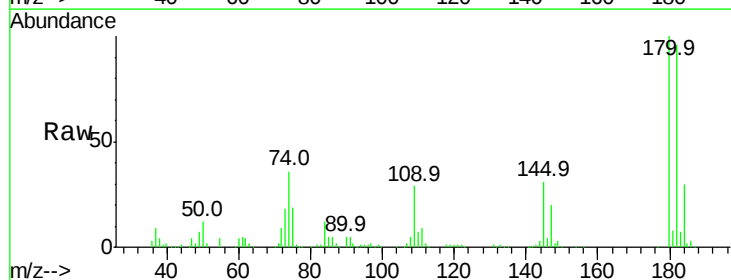


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

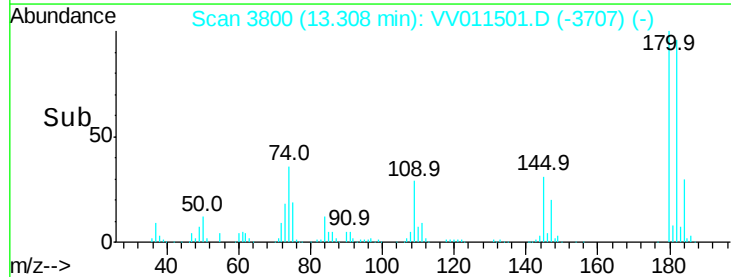
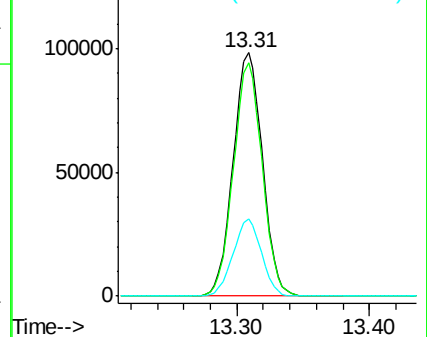


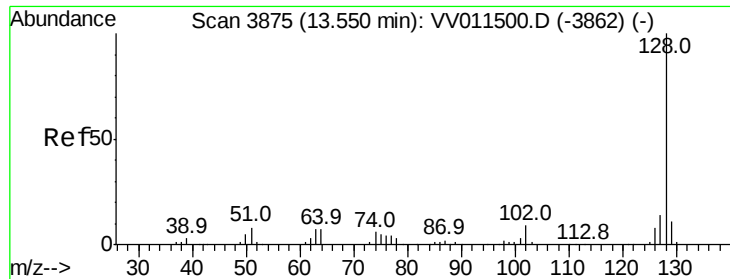
#68
 1,2,4-trichlorobenzene
 Concen: 11.138 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011501.D
 Acq: 14 Jun 2019 18:04

Tgt Ion:180 Resp: 151179
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.2 114.4
 145 30.7 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 14.035 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

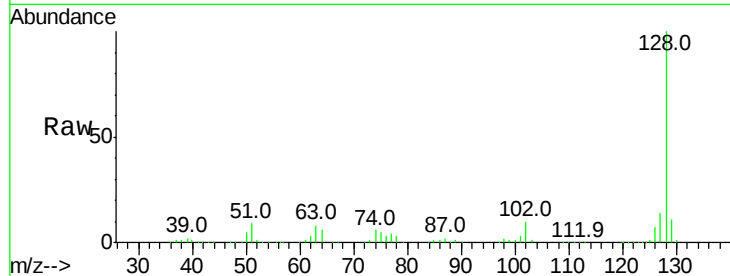
Tgt Ion:128 Resp: 311803

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

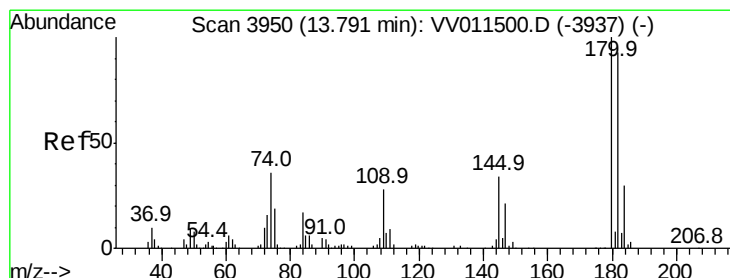
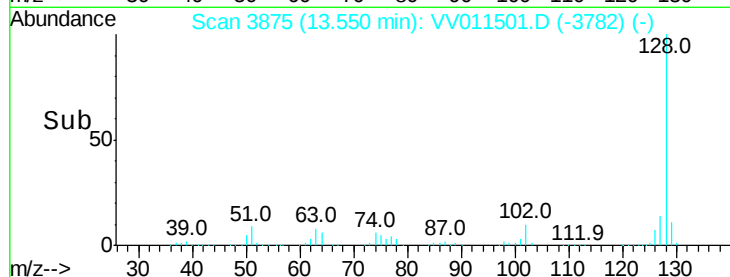
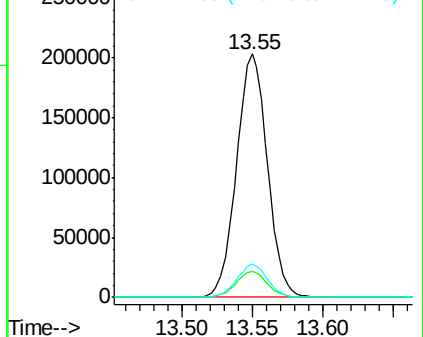
127 13.5 10.9 16.3



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: 12.090 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011501.D

Acq: 14 Jun 2019 18:04

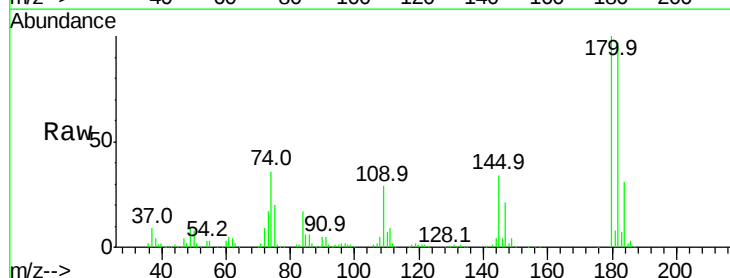
Tgt Ion:180 Resp: 147146

Ion Ratio Lower Upper

180 100

182 95.5 76.6 115.0

145 33.9 27.1 40.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

