

Data File : VV014305.D
Acq On : 15 Jan 2020 09:56
Operator : SY/MD
Sample : VSTD00131
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD001312

Quant Time: Jan 16 01:54:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR011520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 16 01:51:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	932100	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	843261	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	389641	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57167	1.07	ug/L	0.00
7) Chloroethane-d5	1.59	69	47144	1.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	86018	0.91	ug/L	0.00
20) 2-Butanone-d5	3.98	46	137697	11.27	ug/L	0.02
24) Chloroform-d	4.40	84	117580	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	55492	0.93	ug/L	0.00
32) Benzene-d6	5.10	84	243154	1.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	74220	1.21	ug/L	0.00
41) Toluene-d8	7.36	98	221101	1.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	29740	1.12	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	117834	12.29	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	50931	1.13	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	70987	1.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66675	0.669 ug/L	96
3) Chloromethane	1.26	50	67898	1.071 ug/L	98
5) Vinyl chloride	1.33	62	61648	0.974 ug/L	98
6) Bromomethane	1.54	94	33773	0.909 ug/L	99
8) Chloroethane	1.60	64	33297	0.971 ug/L	99
9) Trichlorofluoromethane	1.77	101	73442	0.722 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	41772	0.907 ug/L	96
12) 1,1-Dichloroethene	2.14	96	37863	0.883 ug/L	95
13) Acetone	2.24	43	37786	5.453 ug/L #	1
14) Carbon disulfide	2.32	76	179085	1.325 ug/L	97
15) Methyl Acetate	2.48	43	17676	1.113 ug/L	95
16) Methylene chloride	2.54	84	82862	1.641 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	130839	0.953 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	58030	0.930 ug/L	98
19) 1,1-Dichloroethane	3.23	63	108452	0.967 ug/L	99
21) 2-Butanone	4.06	43	134008	9.965 ug/L #	69
22) cis-1,2-Dichloroethene	3.97	96	63036	0.945 ug/L #	95
23) Bromochloromethane	4.30	128	23429	0.828 ug/L	97
25) Chloroform	4.43	83	104012	0.768 ug/L	96
27) 1,2-Dichloroethane	5.18	62	60334	0.803 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	89416	0.863 ug/L	97
30) Cyclohexane	4.72	56	114952	1.207 ug/L	97
31) Carbon tetrachloride	4.87	117	79190	0.862 ug/L	96
33) Benzene	5.15	78	238561	1.016 ug/L	100
34) Trichloroethene	5.96	95	61304	0.932 ug/L	98
35) Methylcyclohexane	6.17	83	107721	1.020 ug/L	97
37) 1,2-Dichloropropane	6.22	63	56724	1.030 ug/L #	91
38) Bromodichloromethane	6.55	83	71213	0.934 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	90166	1.042 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	359060	11.353 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	258794	1.007	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	66519	0.963	ug/L	88
45) 1,1,2-Trichloroethane	7.88	97	36947	0.915	ug/L	97
47) Tetrachloroethene	8.02	164	41220	0.756	ug/L	92
48) 2-Hexanone	8.19	43	233869	10.511	ug/L	99
49) Dibromochloromethane	8.29	129	44746	0.905	ug/L	99
50) 1,2-Dibromoethane	8.40	107	35480	0.938	ug/L #	97
51) Chlorobenzene	8.92	112	157670	0.929	ug/L	99
52) Ethylbenzene	9.05	91	286226	0.974	ug/L	99
53) m,p-xylene	9.18	106	100068	0.906	ug/L	99
54) o-xylene	9.58	106	100913	0.954	ug/L	99
55) Styrene	9.60	104	168090	0.951	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.28	83	46189	1.033	ug/L #	98
59) Bromoform	9.77	173	22398	0.939	ug/L	99
60) Isopropylbenzene	9.97	105	271166	1.047	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	33758	1.117	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	220759	1.028	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	224933	1.059	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	108991	0.875	ug/L	93
65) 1,4-Dichlorobenzene	11.31	146	116829	0.927	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	99878	0.885	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.48	75	9296	1.449	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	80693	0.799	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	69716	0.861	ug/L	97
71) Naphthalene	13.55	128	128545	1.067	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	58135	0.816	ug/L	98

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

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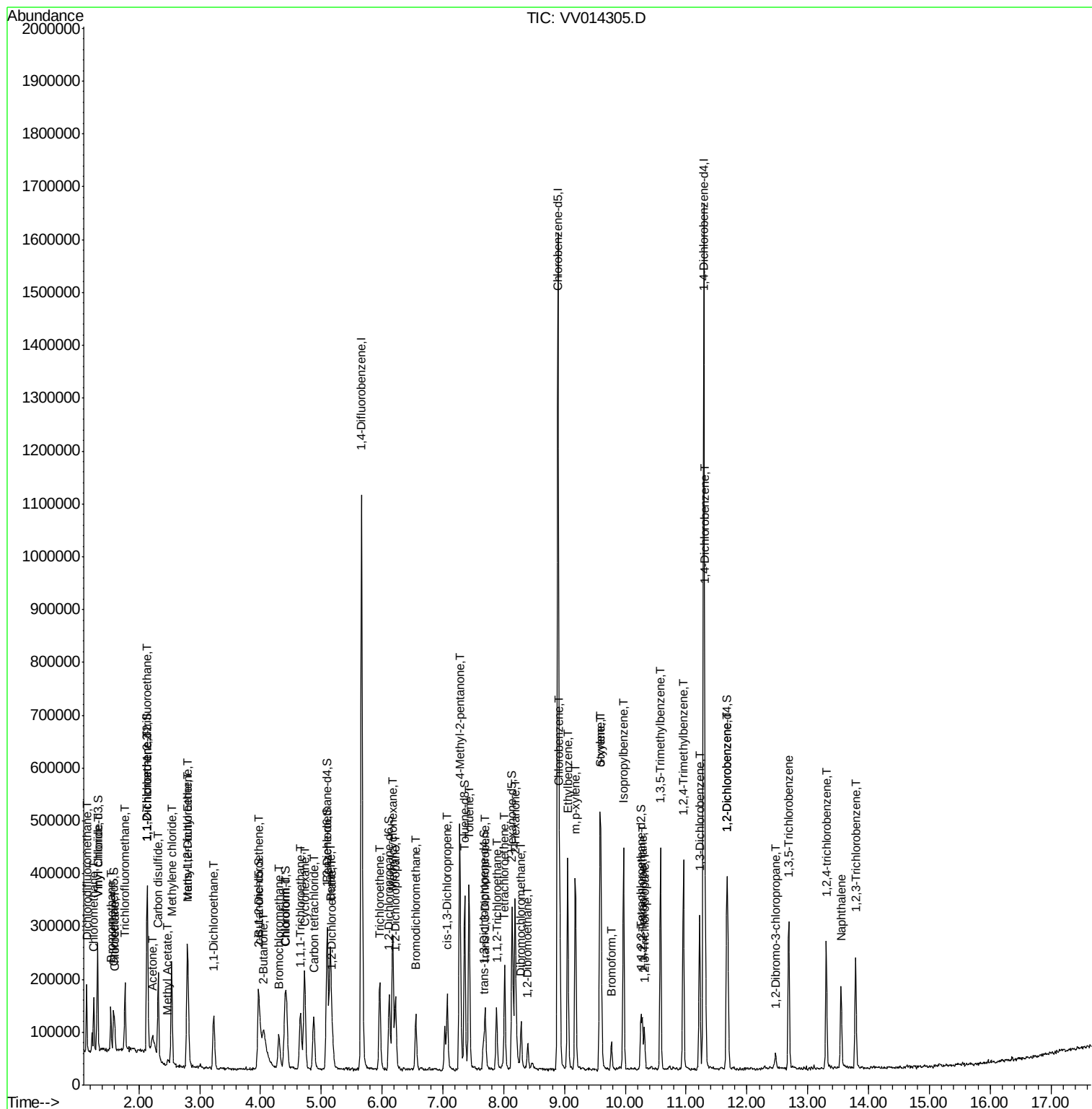
Quant Time: Jan 16 01:54:16 2020

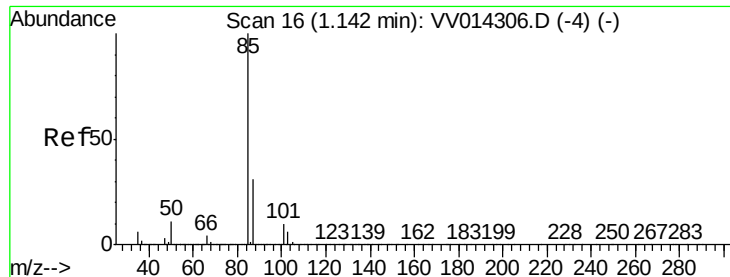
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR011520WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.669 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

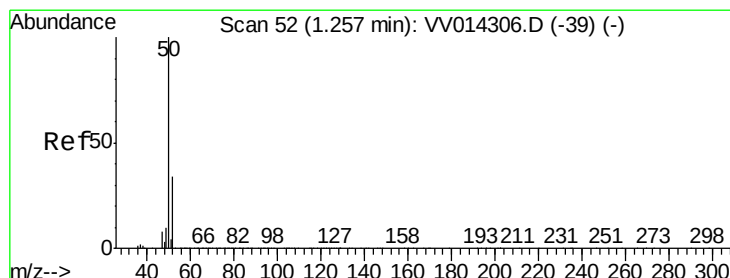
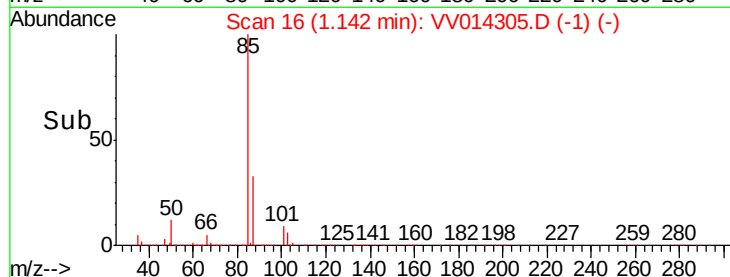
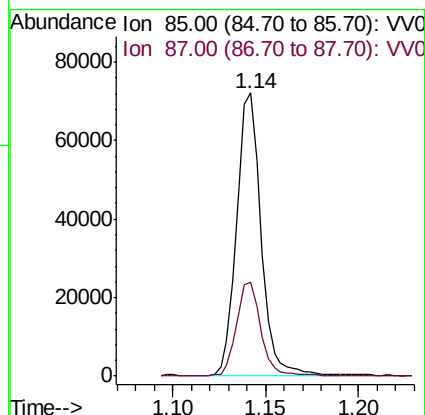
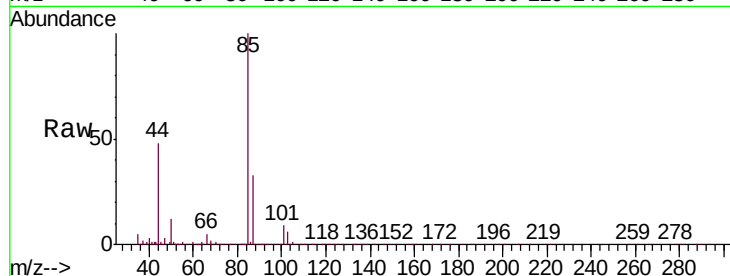
VSTD001312

Tgt Ion: 85 Resp: 66675

Ion Ratio Lower Upper

85 100

87 33.2 24.9 37.3



#3

Chloromethane

Concen: 1.071 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014305.D

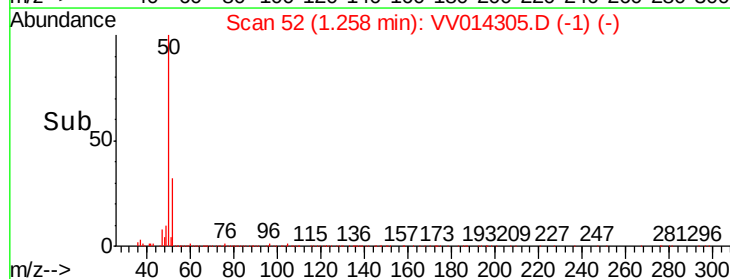
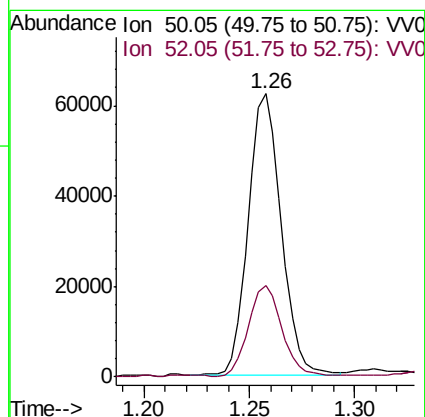
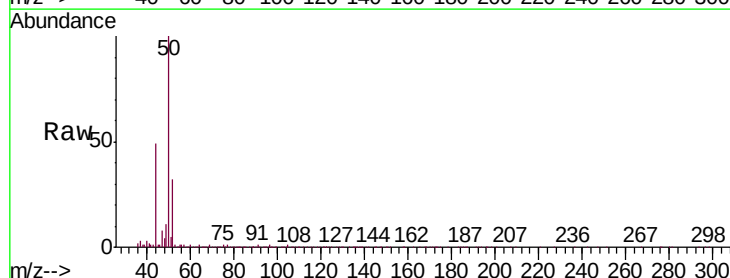
Acq: 15 Jan 2020 09:56

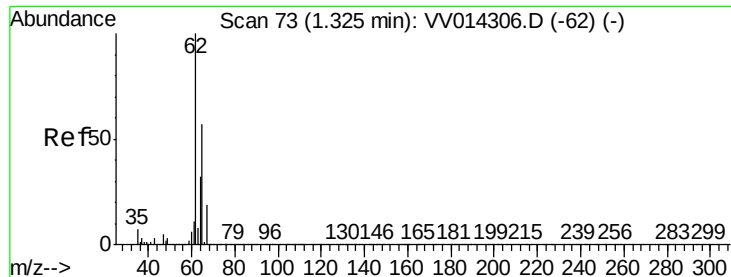
Tgt Ion: 50 Resp: 67898

Ion Ratio Lower Upper

50 100

52 32.4 23.5 43.7





#5

Vinyl chloride

Concen: 0.974 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

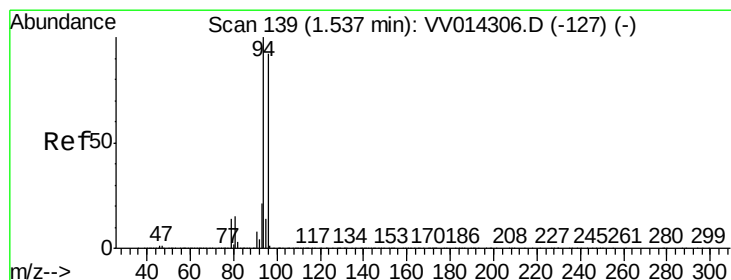
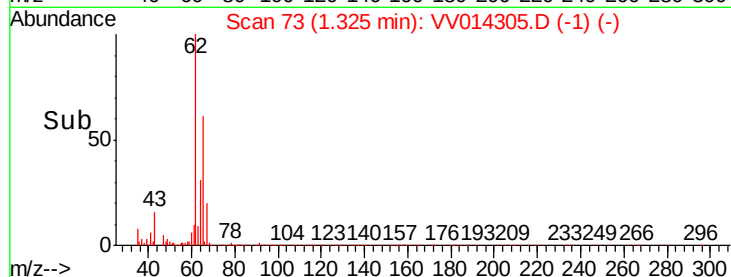
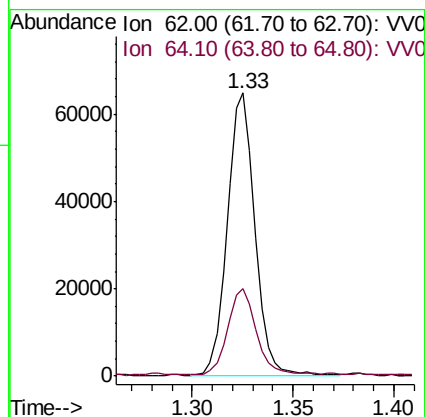
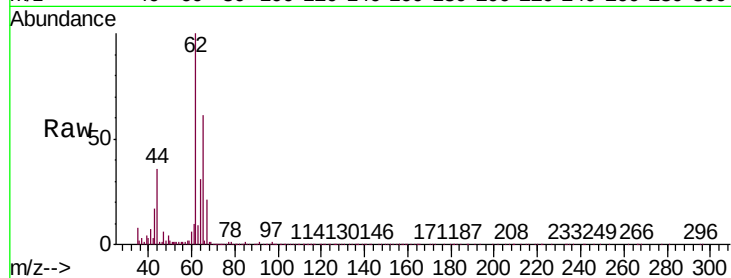
VSTD001312

Tgt Ion: 62 Resp: 61648

Ion Ratio Lower Upper

62 100

64 31.1 22.6 42.0



#6

Bromomethane

Concen: 0.909 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014305.D

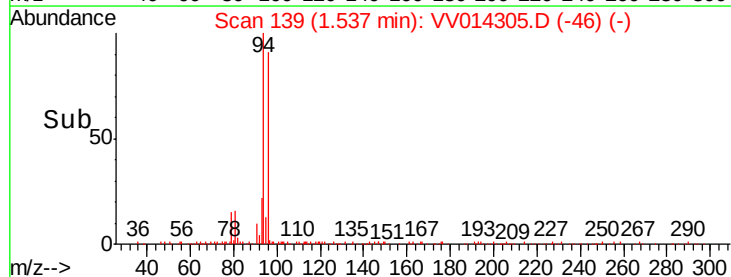
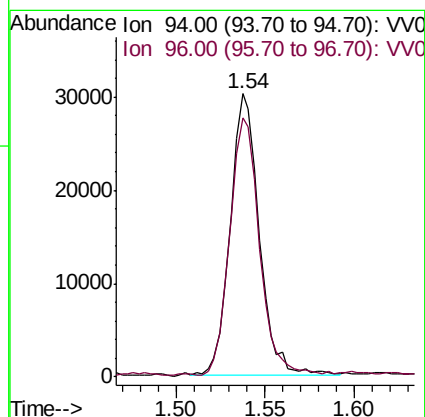
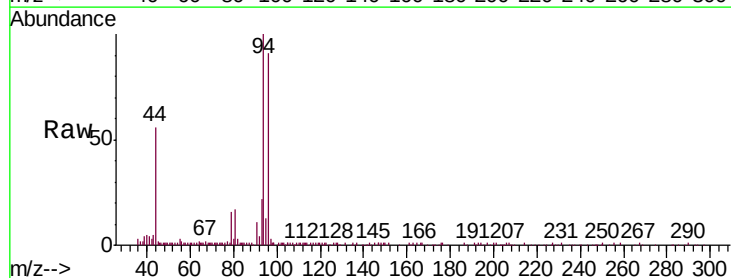
Acq: 15 Jan 2020 09:56

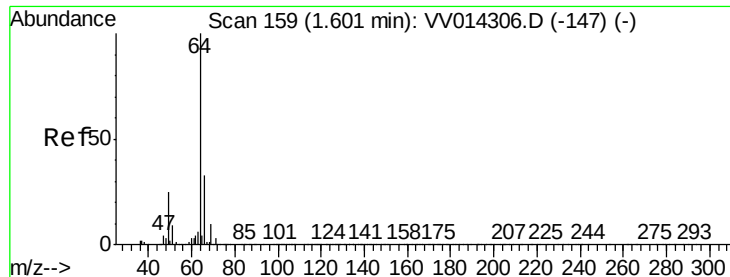
Tgt Ion: 94 Resp: 33773

Ion Ratio Lower Upper

94 100

96 91.3 64.6 120.0





#8

Chloroethane

Concen: 0.971 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

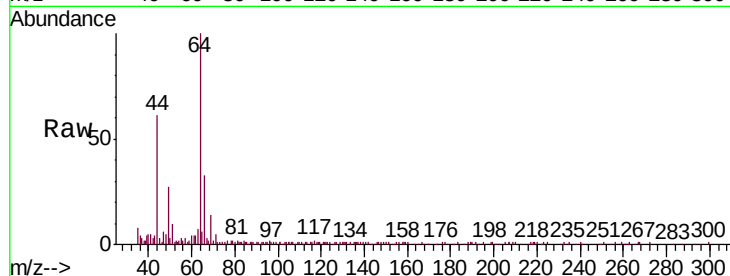
VSTD001312

Tgt Ion: 64 Resp: 33297

Ion Ratio Lower Upper

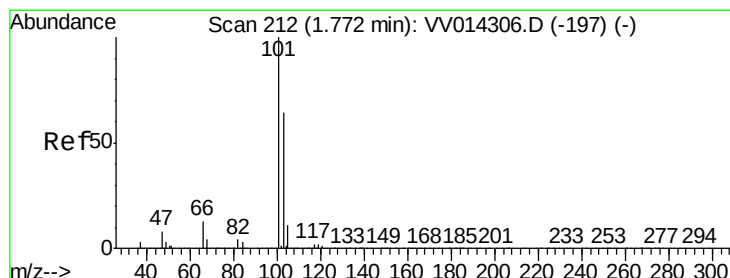
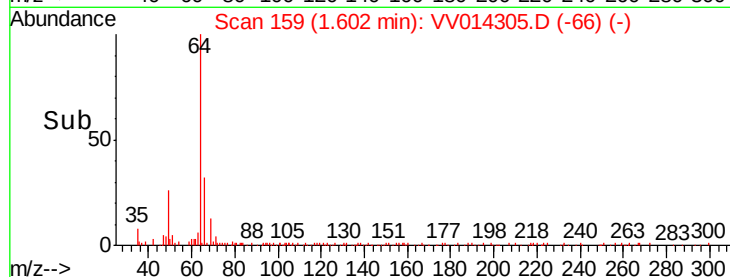
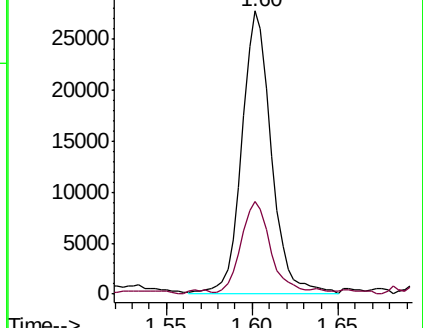
64 100

66 32.6 23.0 42.8



Abundance Ion 64.10 (63.80 to 64.80): VV014306.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV014306.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 0.722 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014305.D

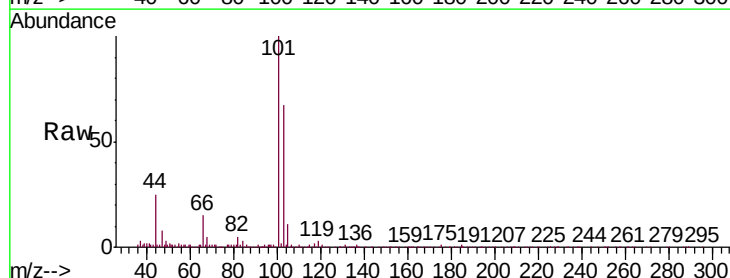
Acq: 15 Jan 2020 09:56

Tgt Ion: 101 Resp: 73442

Ion Ratio Lower Upper

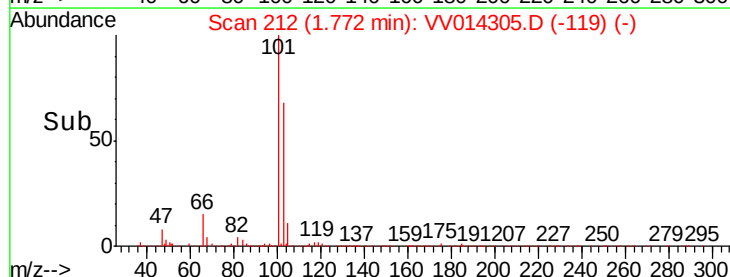
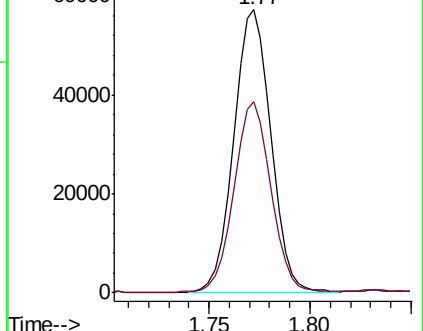
101 100

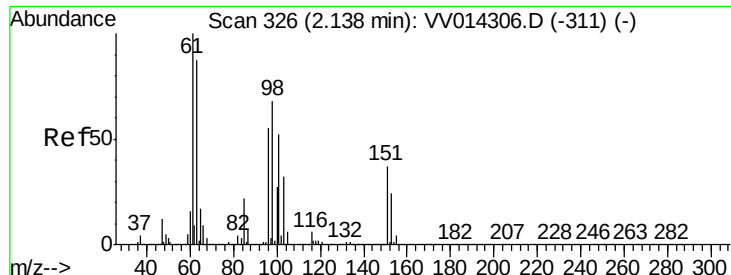
103 66.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV014306.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV014306.D (-197) (-)





#10

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

Concen: 0.907 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD001312

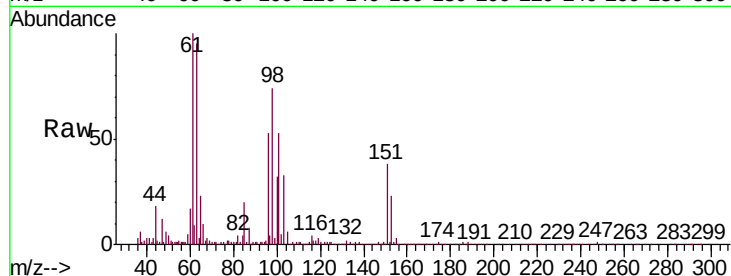
Tgt Ion: 101 Resp: 41772

Ion Ratio Lower Upper

101 100

85 36.6 34.2 51.2

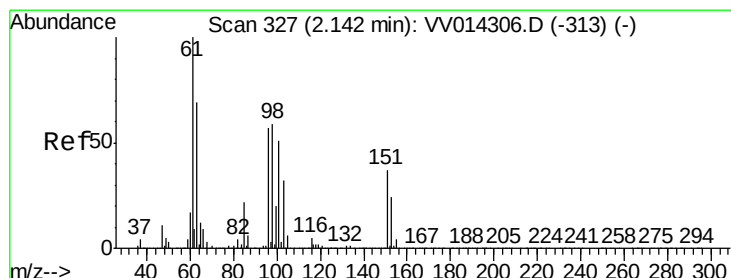
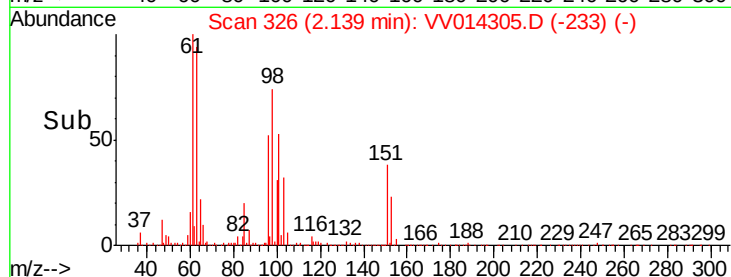
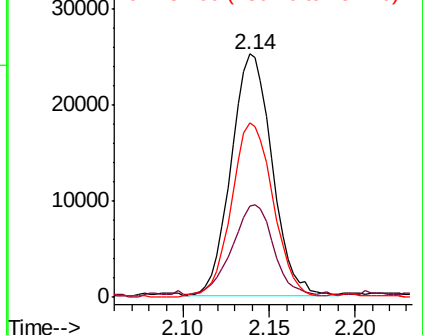
151 73.7 58.7 88.1



Abundance Ion 101.00 (100.70 to 101.70): VV014306.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV014305.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV014305.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 0.883 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

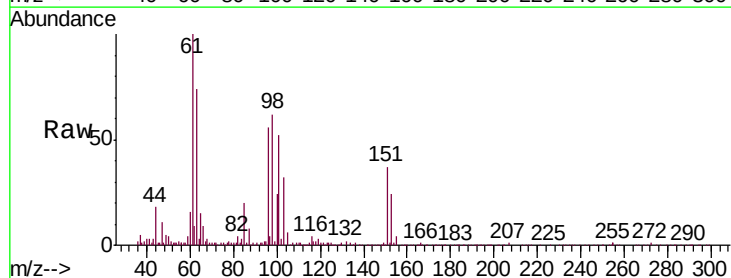
Tgt Ion: 96 Resp: 37863

Ion Ratio Lower Upper

96 100

61 179.0 123.2 228.8

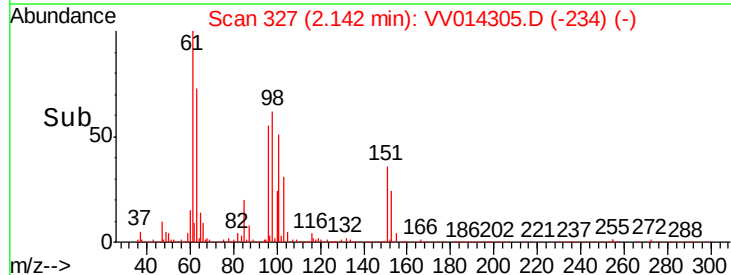
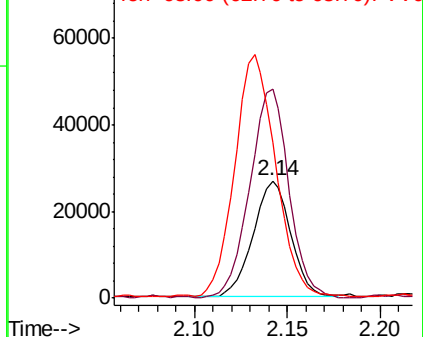
63 132.6 85.6 159.0

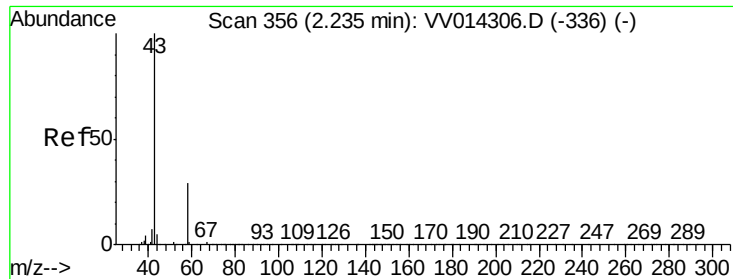


Abundance Ion 96.00 (95.70 to 96.70): VV014306.D (-313) (-)

Ion 61.05 (60.75 to 61.75): VV014305.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV014305.D (-234) (-)





#13

Acetone

Concen: 5.453 ug/L

RT: 2.24 min Scan# 356

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

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ClientSampleId :

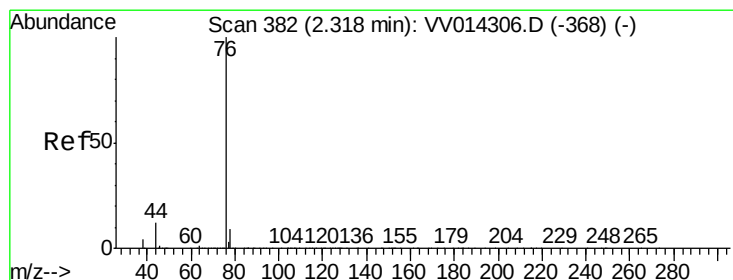
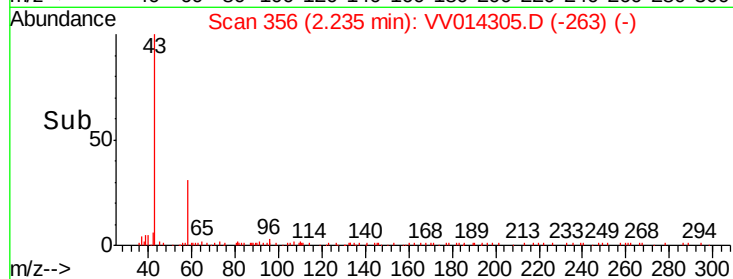
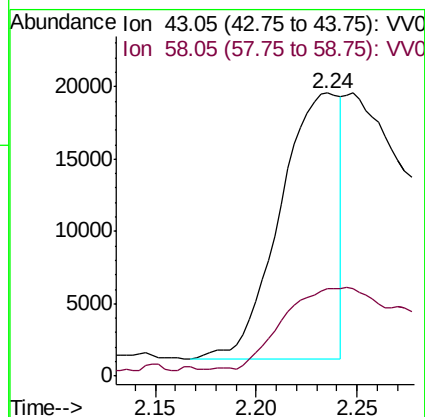
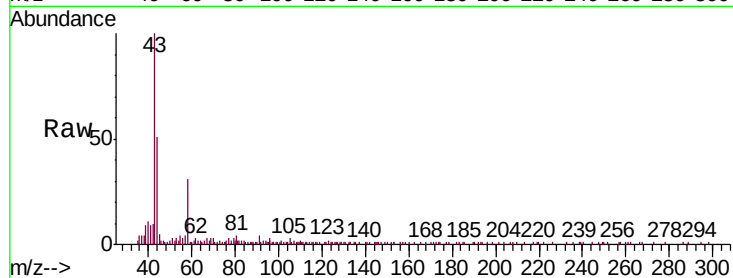
VSTD001312

Tgt Ion: 43 Resp: 37786

Ion Ratio Lower Upper

43 100

58 63.1 0.0 25.8#



#14

Carbon disulfide

Concen: 1.325 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014305.D

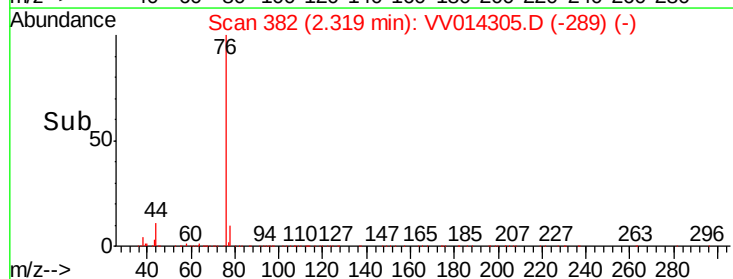
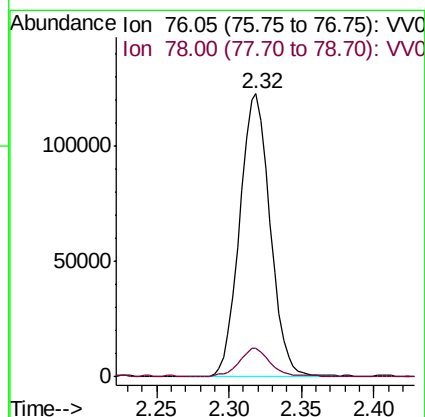
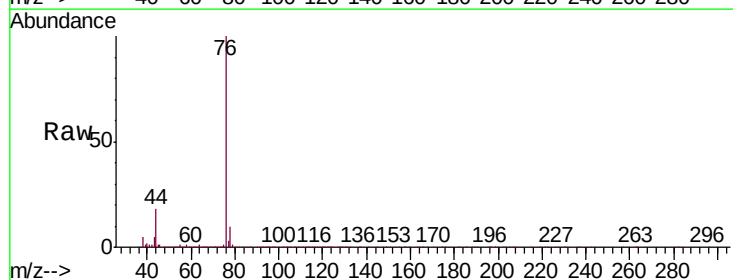
Acq: 15 Jan 2020 09:56

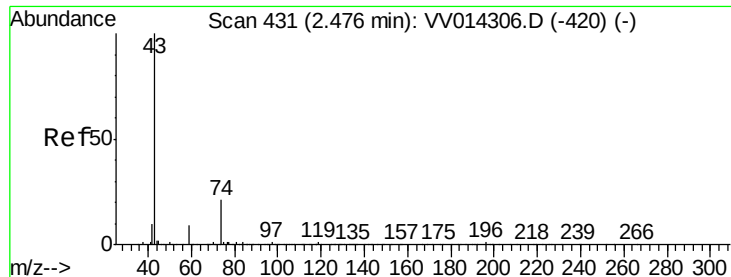
Tgt Ion: 76 Resp: 179085

Ion Ratio Lower Upper

76 100

78 10.0 7.2 10.8





#15

Methyl Acetate

Concen: 1.113 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.01 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

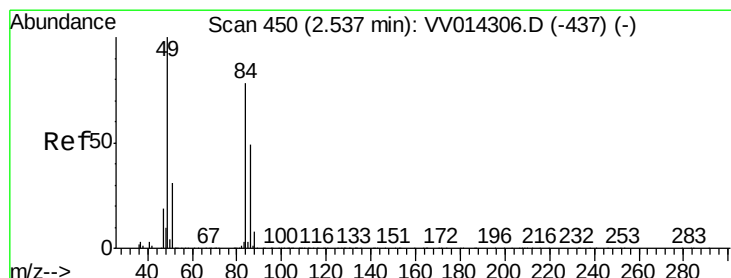
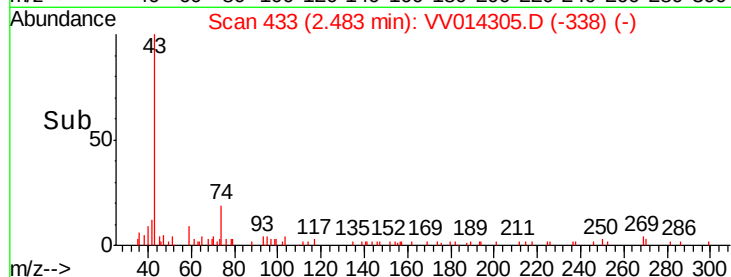
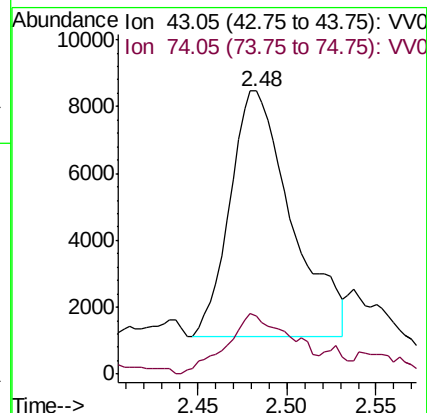
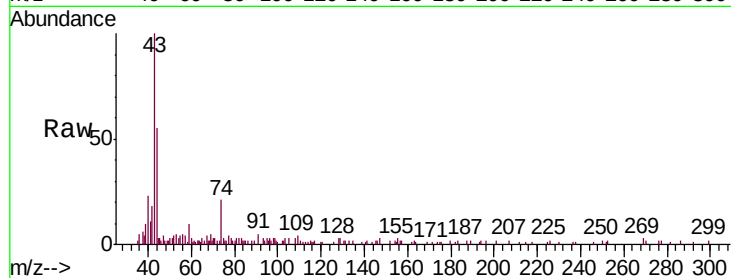
VSTD001312

Tgt Ion: 43 Resp: 17676

Ion Ratio Lower Upper

43 100

74 25.8 18.6 28.0



#16

Methylene chloride

Concen: 1.641 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

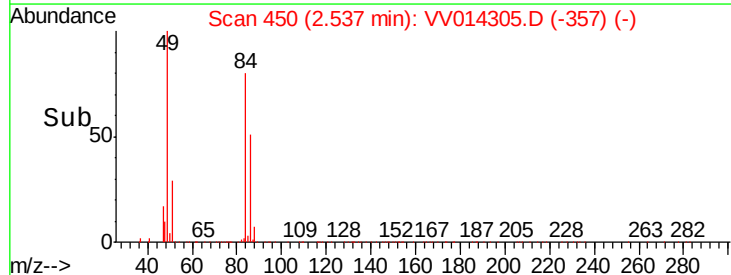
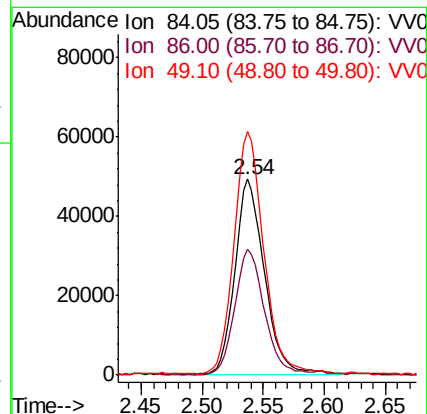
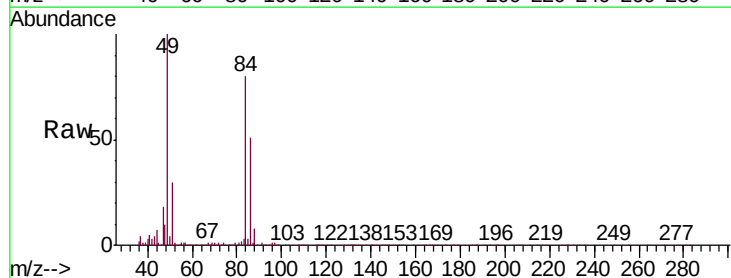
Tgt Ion: 84 Resp: 82862

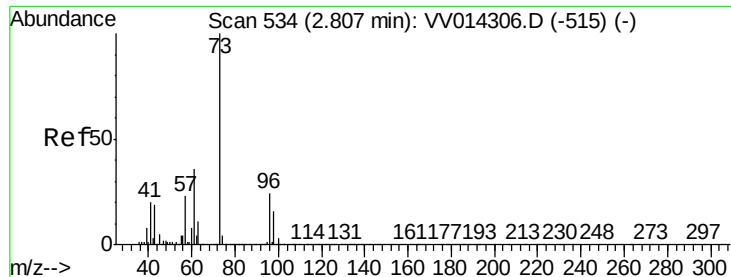
Ion Ratio Lower Upper

84 100

86 64.1 44.4 82.4

49 124.4 90.2 167.6





#17

Methyl tert-butyl Ether

Concen: 0.953 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD001312

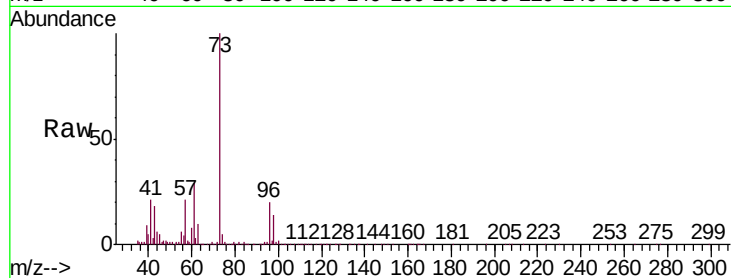
Tgt Ion: 73 Resp: 130839

Ion Ratio Lower Upper

73 100

43 18.9 15.4 23.0

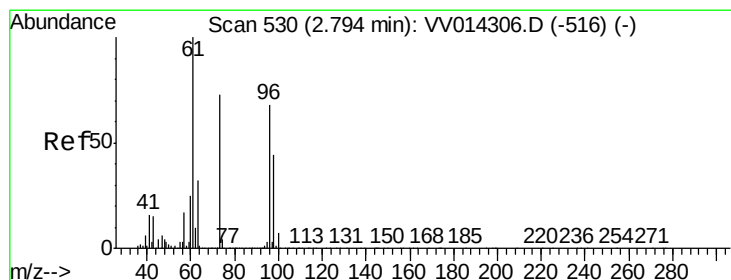
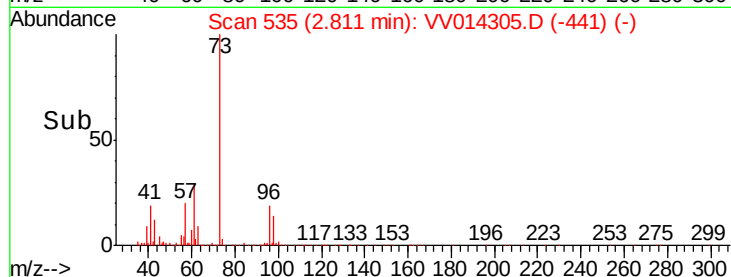
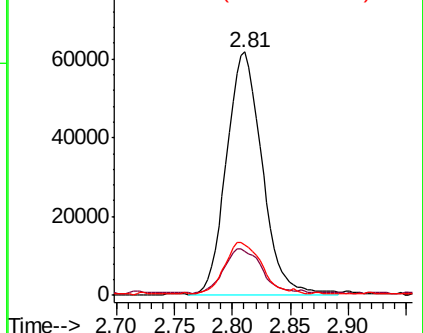
57 21.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VV014306.D (-515) (-)

Ion 43.05 (42.75 to 43.75): VV014306.D (-515) (-)

Ion 57.10 (56.80 to 57.80): VV014306.D (-515) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.930 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

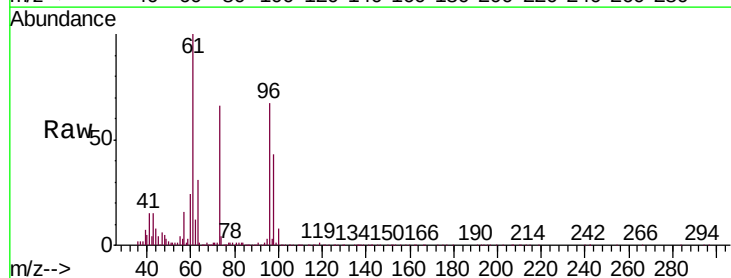
Tgt Ion: 96 Resp: 58030

Ion Ratio Lower Upper

96 100

61 149.0 102.9 191.1

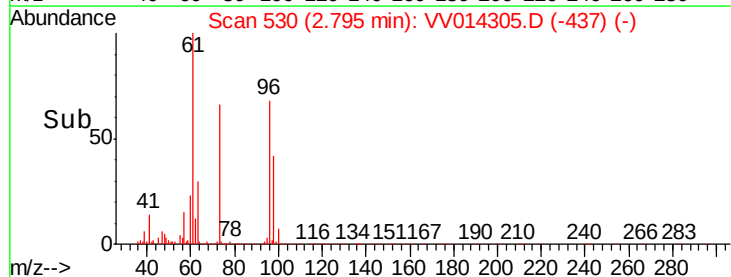
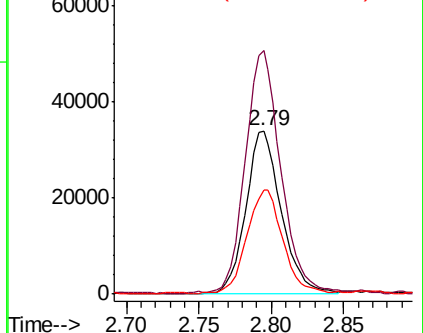
98 63.7 45.8 85.0

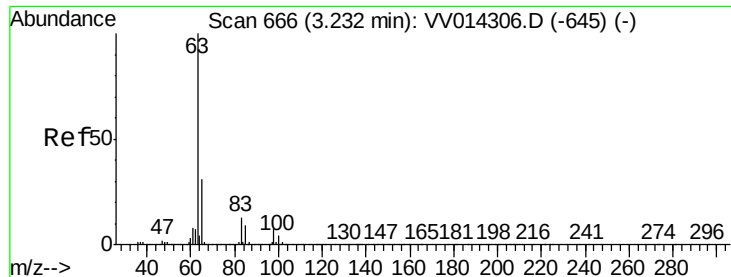


Abundance Ion 96.00 (95.70 to 96.70): VV014306.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV014306.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV014306.D (-516) (-)

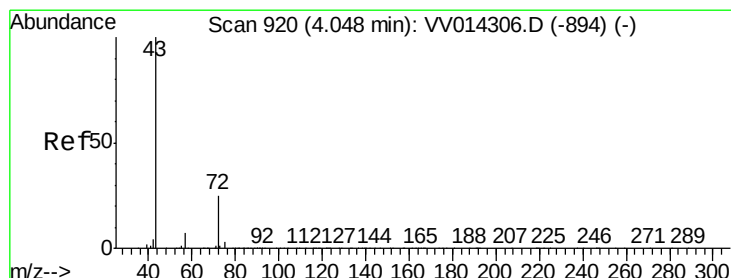
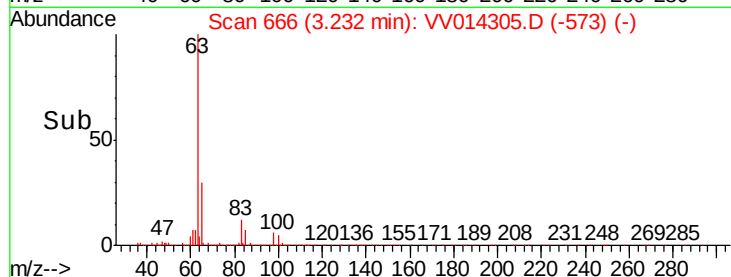
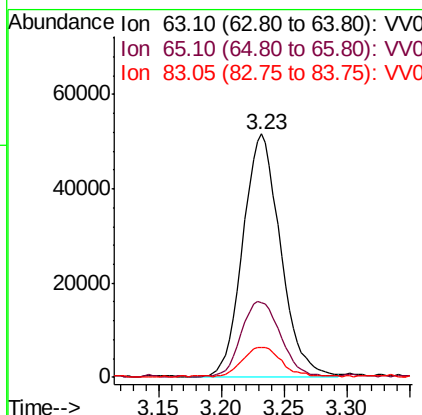
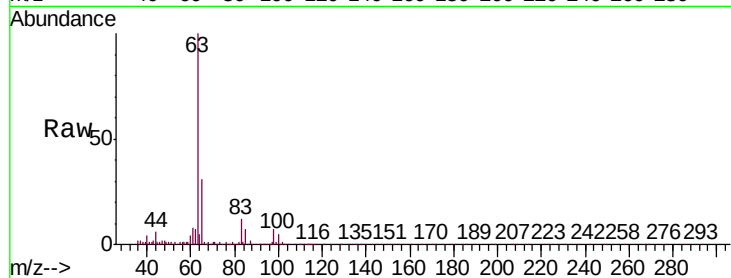




#19
 1,1-Dichloroethane
 Concen: 0.967 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

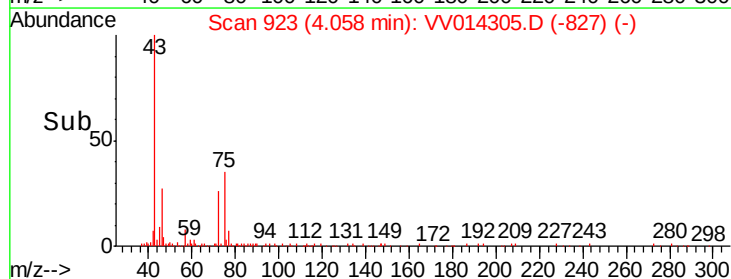
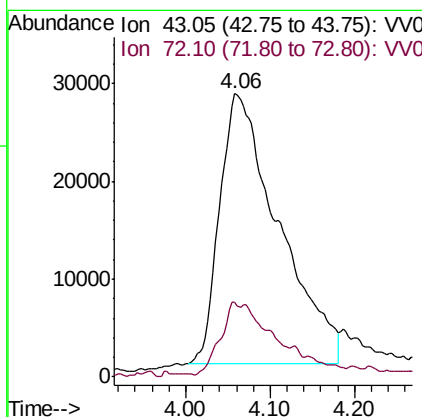
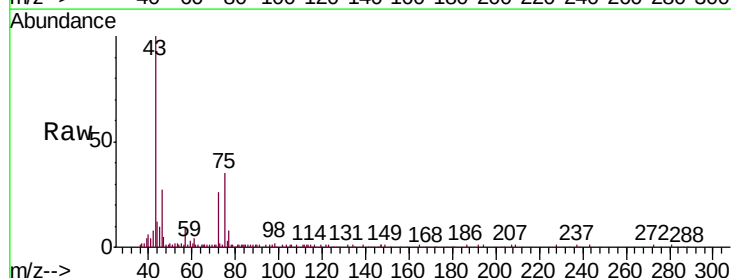
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001312

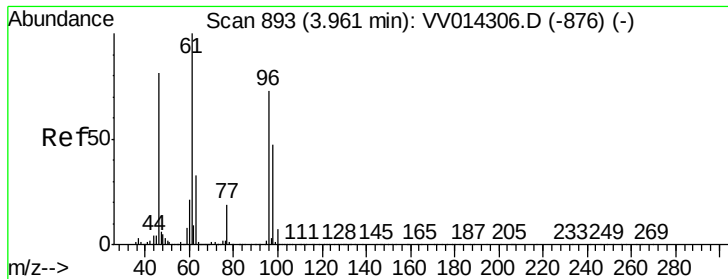
Tgt Ion:	63	Resp:	108452
Ion	Ratio	Lower	Upper
63	100		
65	30.8	21.6	40.0
83	12.2	9.0	16.8



#21
 2-Butanone
 Concen: 9.965 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

Tgt Ion:	43	Resp:	134008
Ion	Ratio	Lower	Upper
43	100		
72	8.9	12.2	36.6#



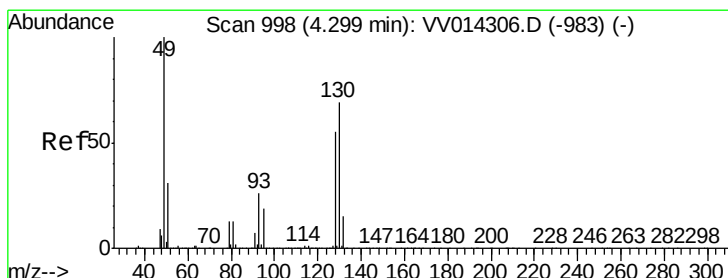
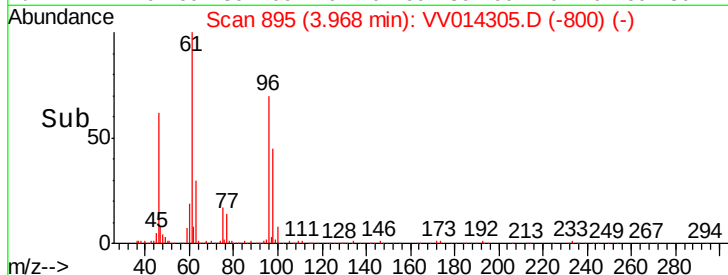
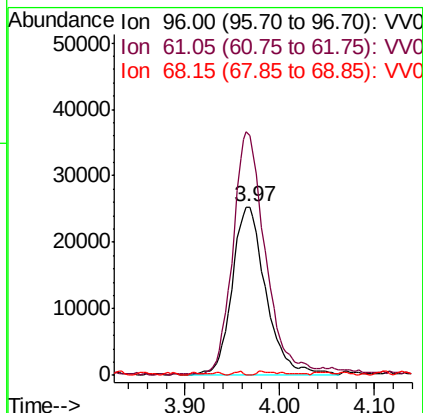
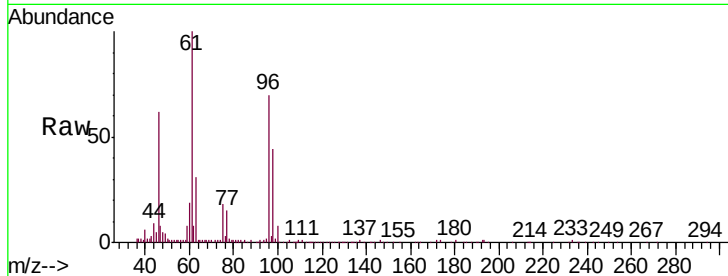


#22

cis-1,2-Dichloroethene
Concen: 0.945 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.01 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD001312

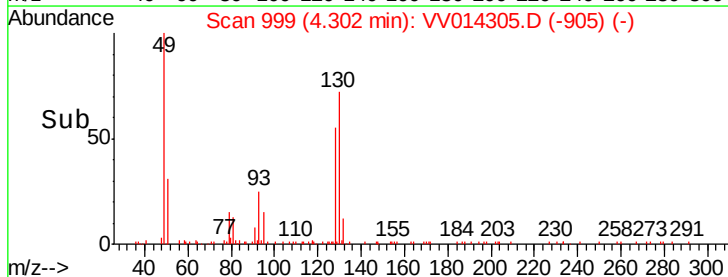
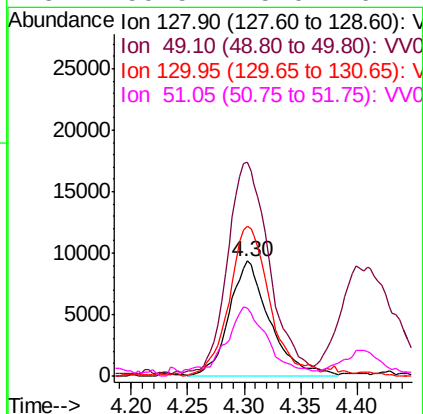
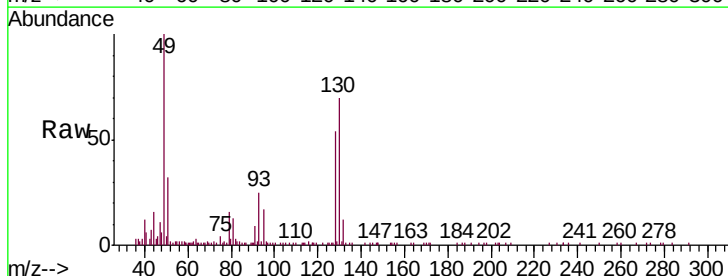
Tgt Ion: 96 Resp: 63036
Ion Ratio Lower Upper
96 100
61 142.2 95.5 177.3
68 0.0 0.1 0.3#

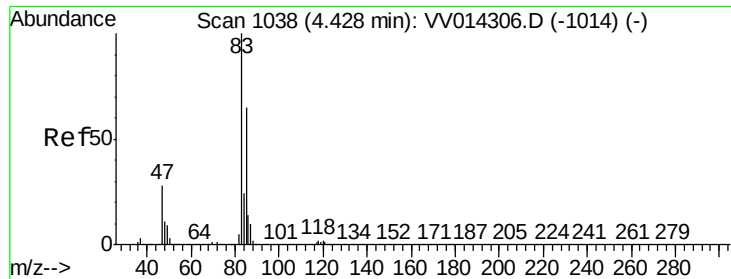


#23

Bromochloromethane
Concen: 0.828 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

Tgt Ion: 128 Resp: 23429
Ion Ratio Lower Upper
128 100
49 185.6 127.5 236.7
130 130.0 87.5 162.5
51 59.5 45.0 67.4





#25

Chloroform

Concen: 0.768 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

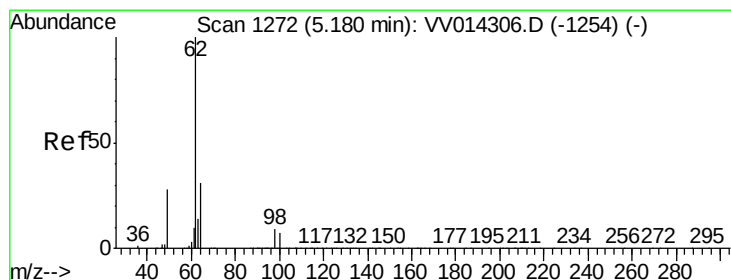
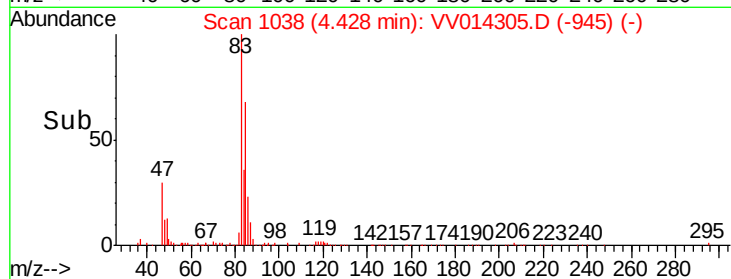
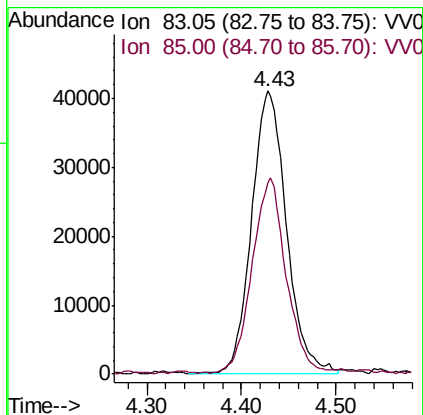
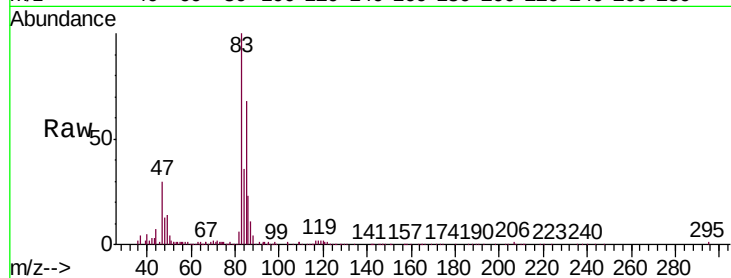
VSTD001312

Tgt Ion: 83 Resp: 104012

Ion Ratio Lower Upper

83 100

85 67.7 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.803 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VV014305.D

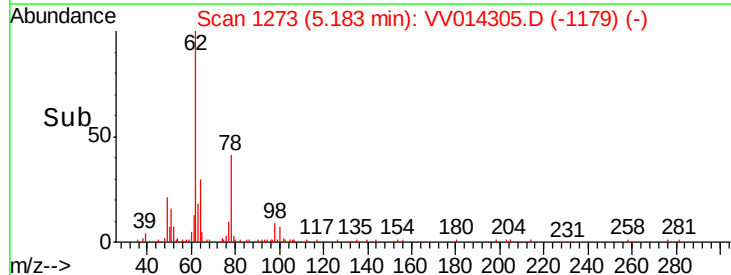
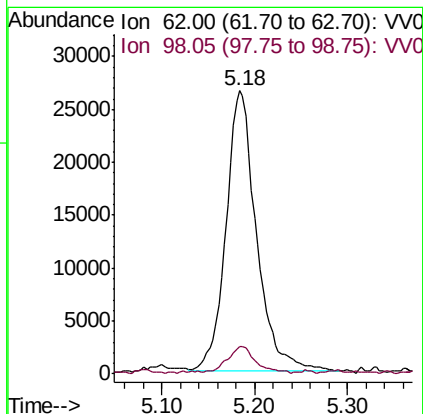
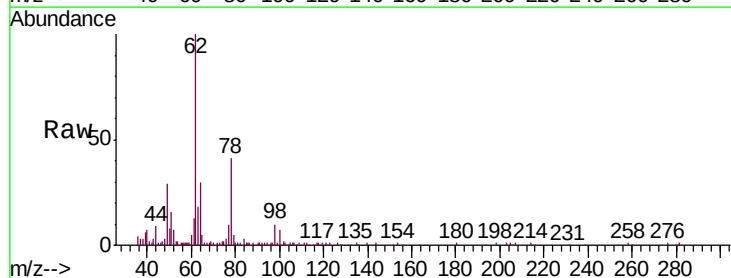
Acq: 15 Jan 2020 09:56

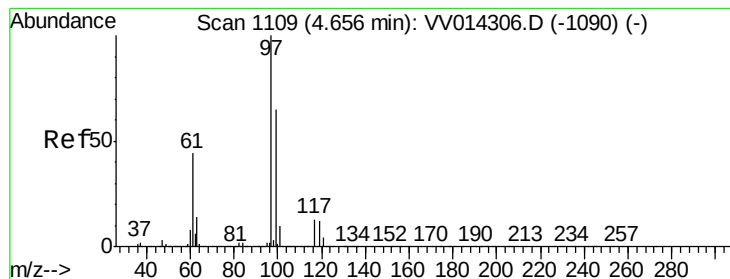
Tgt Ion: 62 Resp: 60334

Ion Ratio Lower Upper

62 100

98 9.7 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 0.863 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD001312

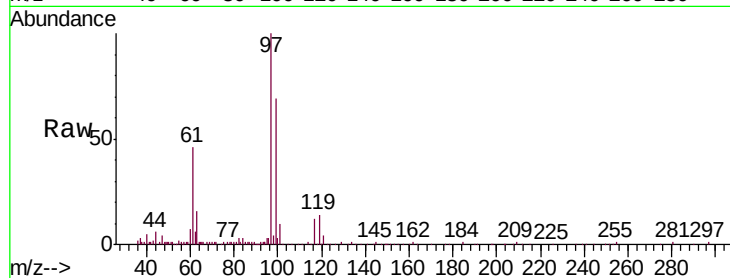
Tgt Ion: 97 Resp: 89416

Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

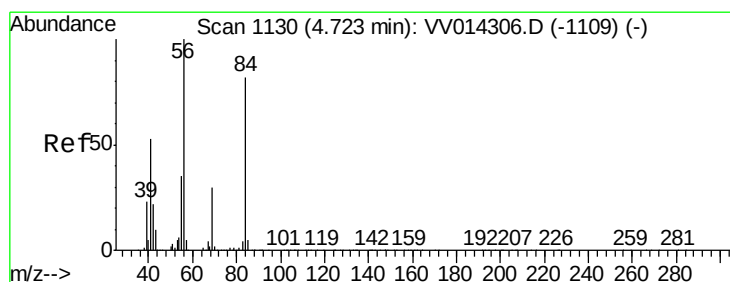
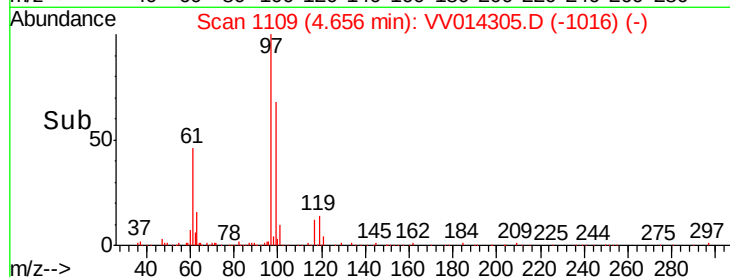
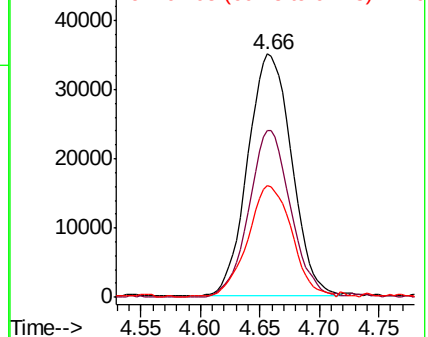
61 46.8 34.2 51.4



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: 1.207 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

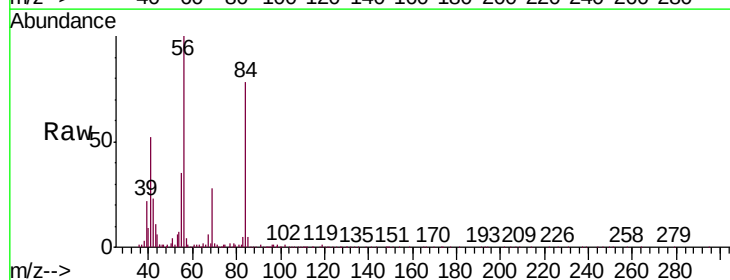
Tgt Ion: 56 Resp: 114952

Ion Ratio Lower Upper

56 100

69 30.4 24.4 36.6

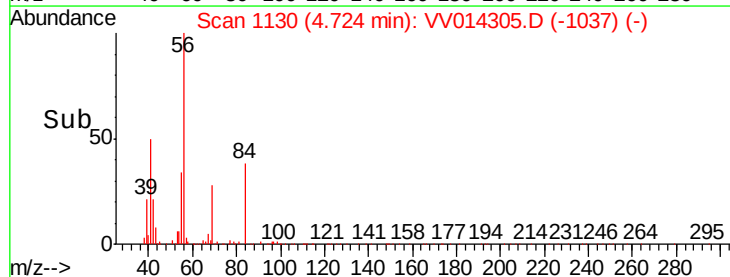
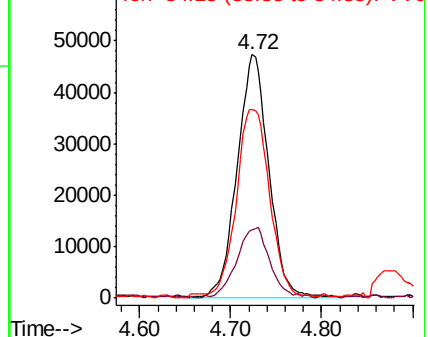
84 79.3 65.8 98.8

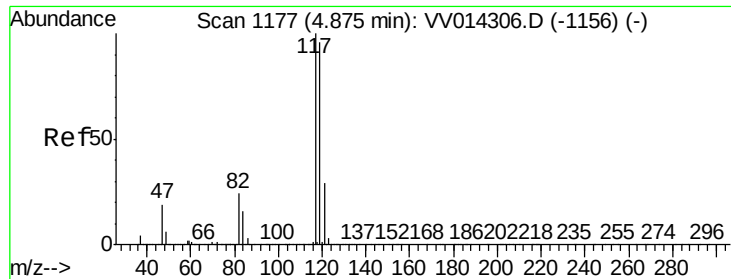


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.862 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

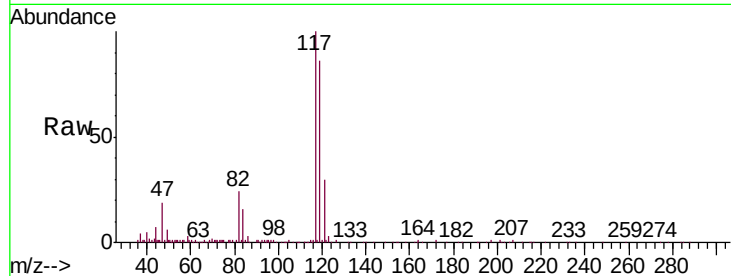
VSTD001312

Tgt Ion:117 Resp: 79190

Ion Ratio Lower Upper

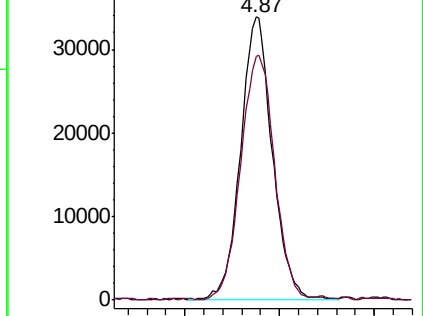
117 100

119 92.1 77.1 115.7

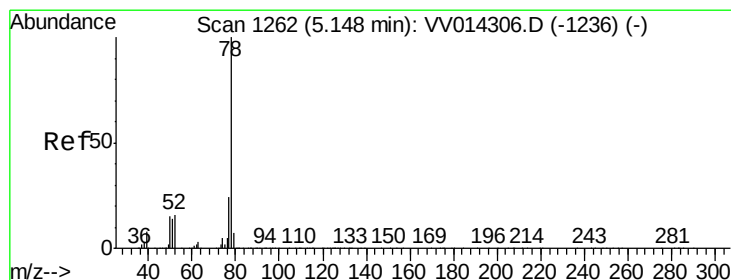
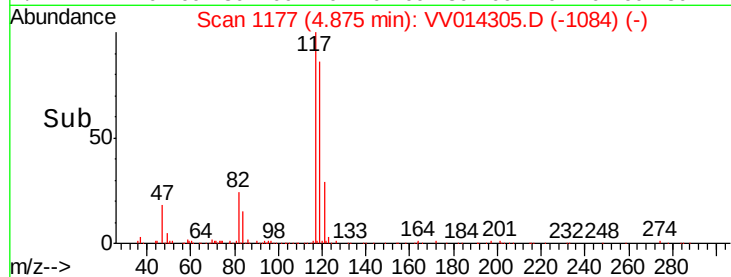


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#33

Benzene

Concen: 1.016 ug/L

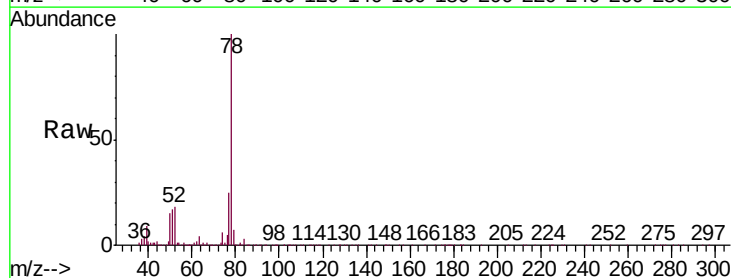
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

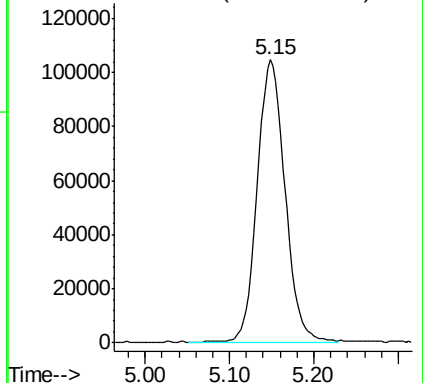
Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

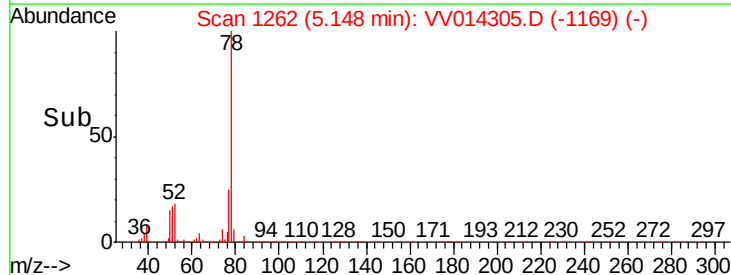
Tgt Ion: 78 Resp: 238561

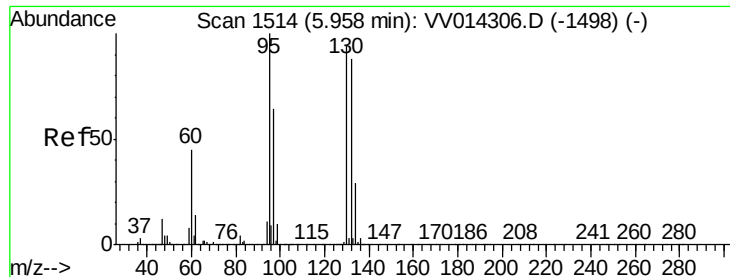


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 0.932 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD001312

Tgt Ion: 95 Resp: 61304

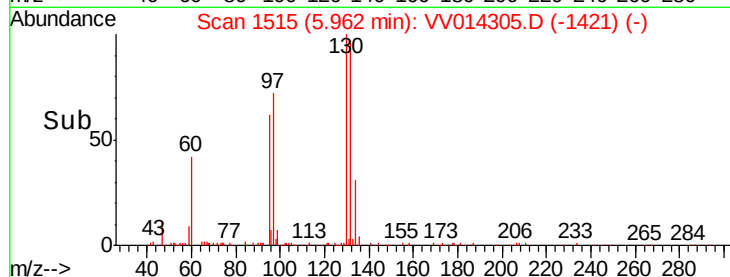
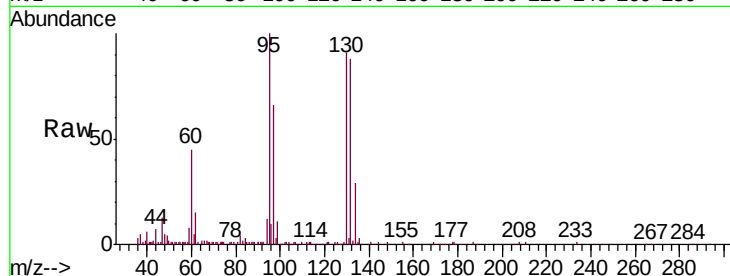
Ion Ratio Lower Upper

95 100

97 65.6 44.5 82.7

132 88.1 61.7 114.7

130 90.6 66.0 122.6

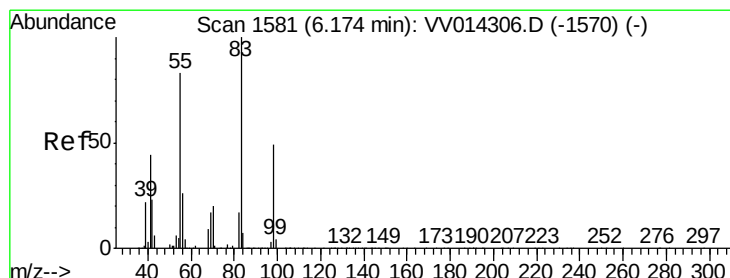
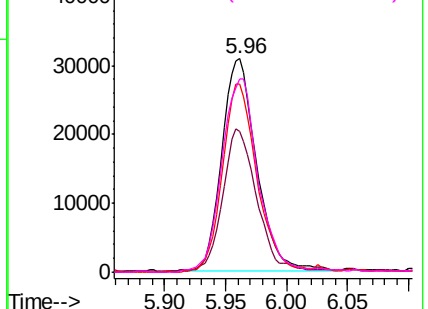


Abundance Ion 95.00 (94.70 to 95.70): VV014305.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV014305.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV014305.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV014305.D (-1421) (-)



#35

Methylcyclohexane

Concen: 1.020 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

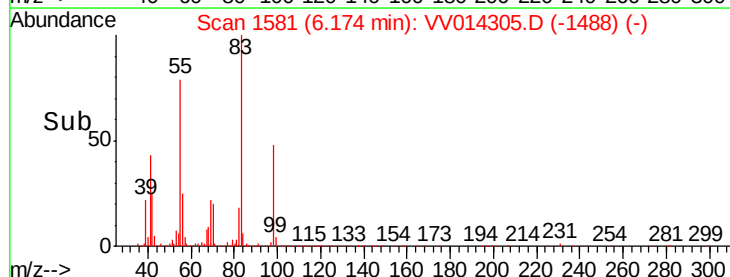
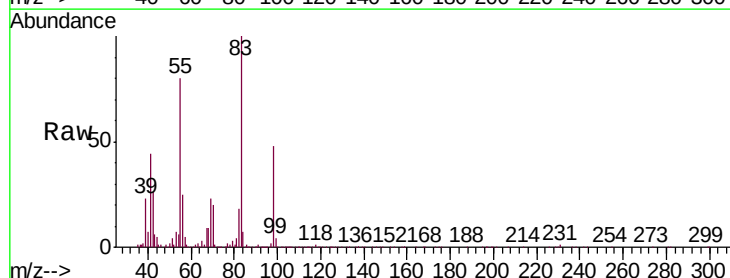
Tgt Ion: 83 Resp: 107721

Ion Ratio Lower Upper

83 100

55 78.7 65.5 98.3

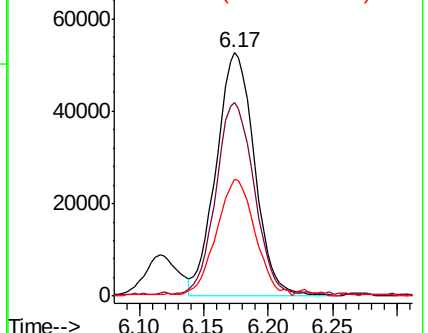
98 49.1 38.3 57.5

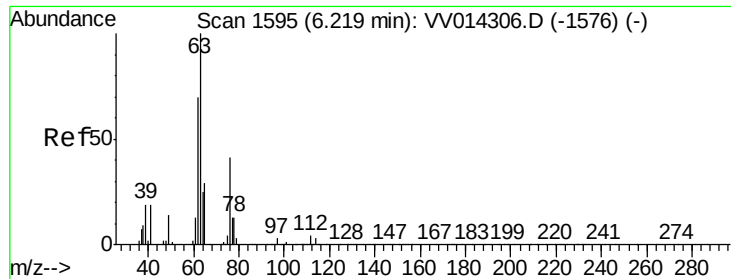


Abundance Ion 83.15 (82.85 to 83.85): VV014305.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV014305.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV014305.D (-1488) (-)

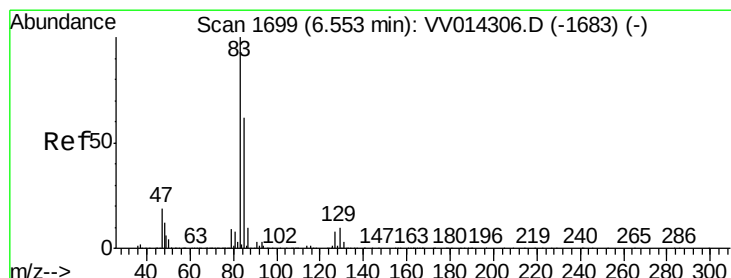
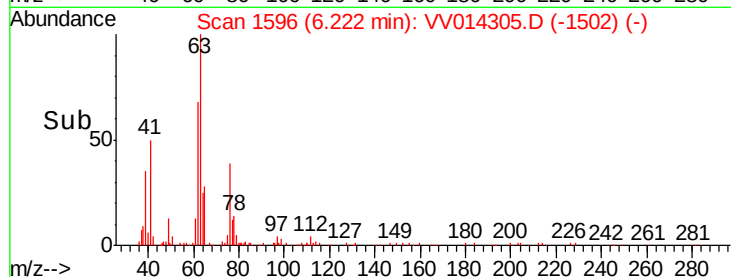
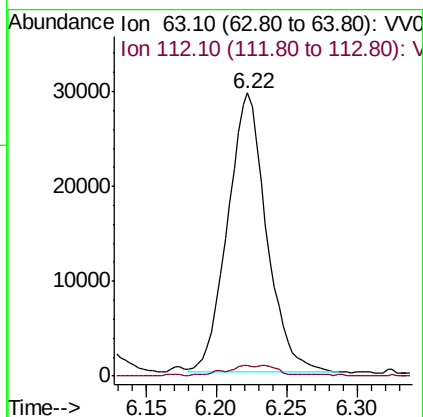
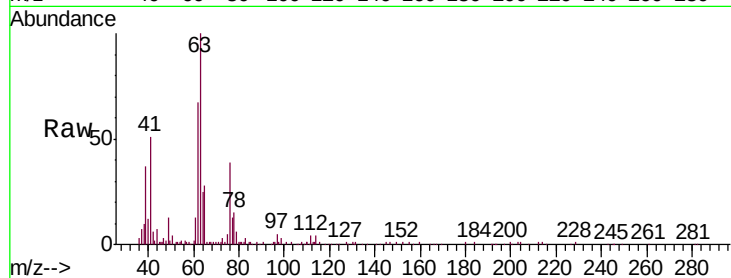




#37
 1,2-Dichloropropane
 Concen: 1.030 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

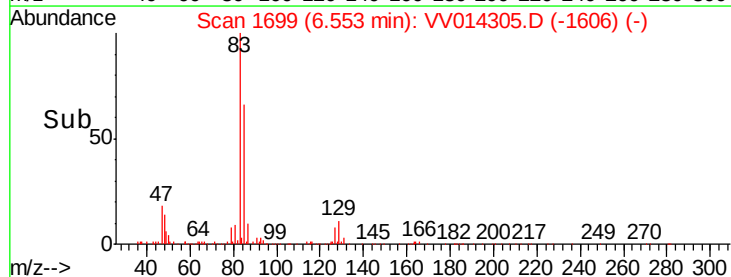
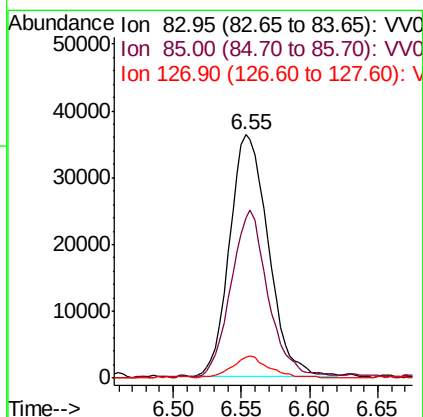
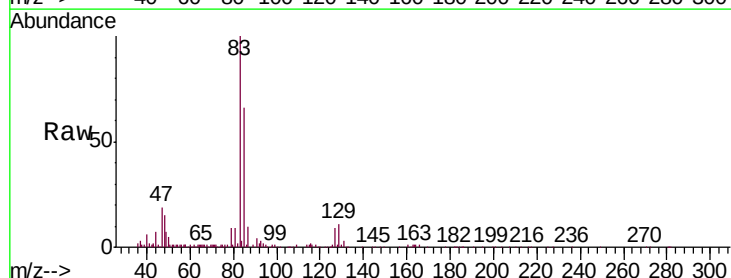
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001312

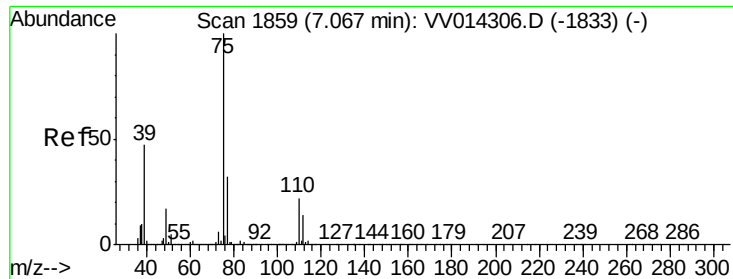
Tgt Ion: 63 Resp: 56724
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 0.934 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

Tgt Ion: 83 Resp: 71213
 Ion Ratio Lower Upper
 83 100
 85 66.1 43.5 80.9
 127 8.7 6.8 10.2

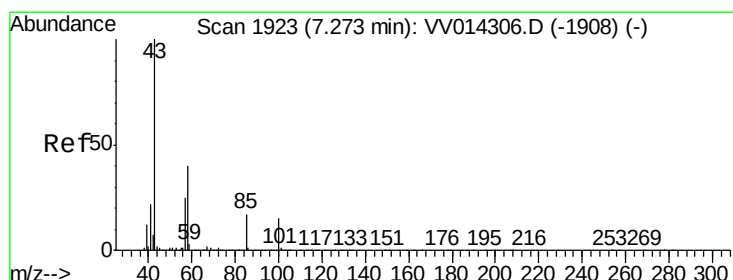
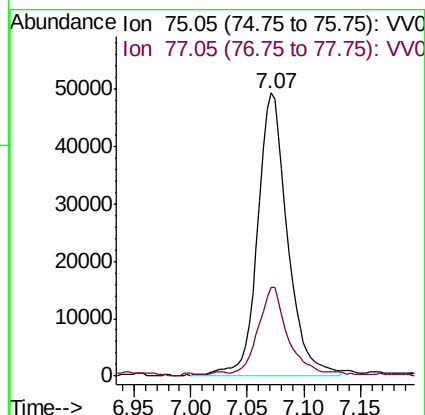
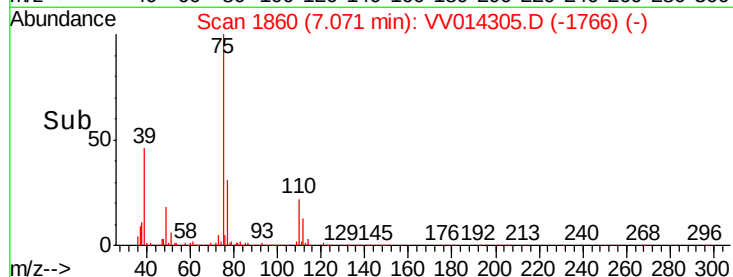
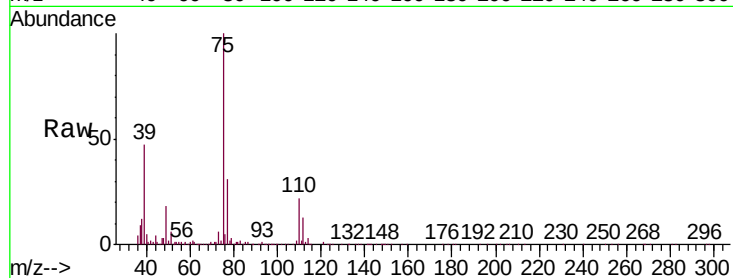




#39
 cis-1,3-Dichloropropene
 Concen: 1.042 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

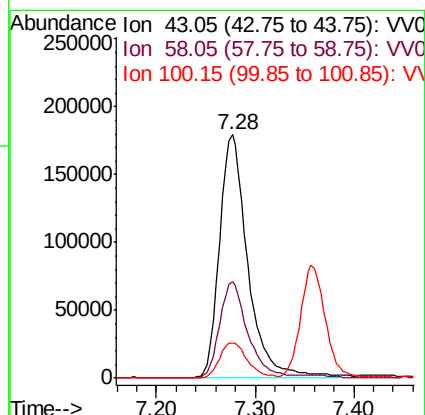
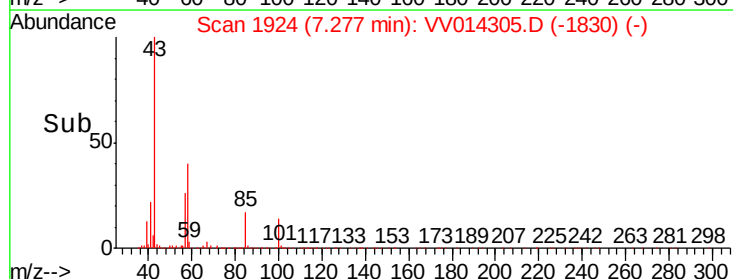
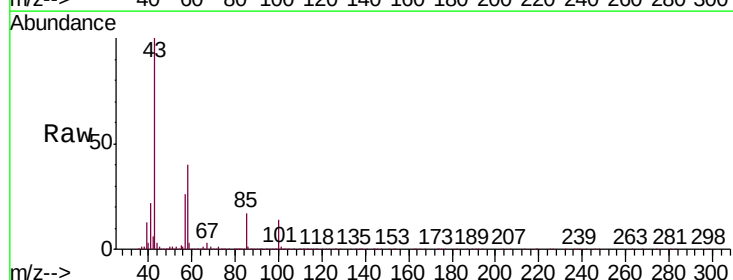
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD001312

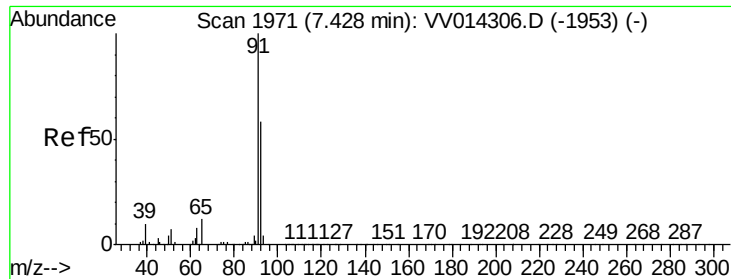
Tgt Ion: 75 Resp: 90166
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 11.353 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

Tgt Ion: 43 Resp: 359060
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.3 46.9
 100 14.4 11.7 17.5





#42

Toluene

Concen: 1.007 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

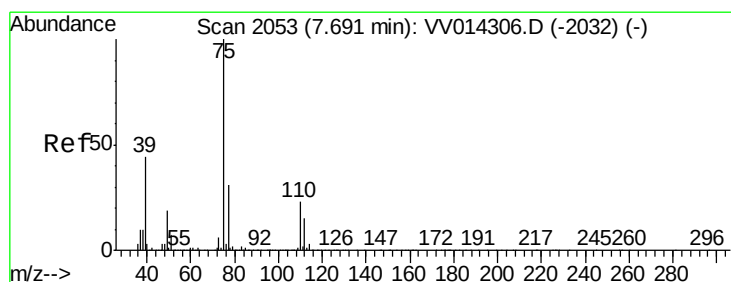
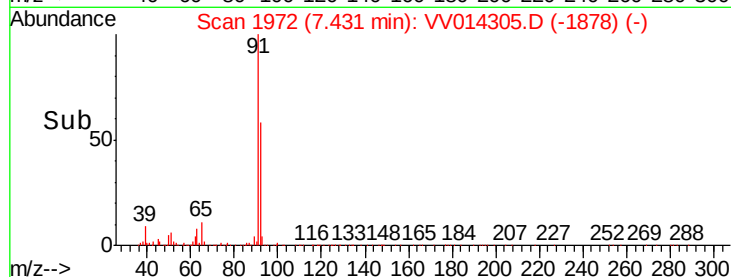
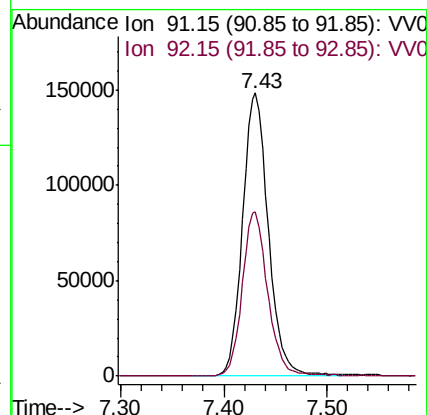
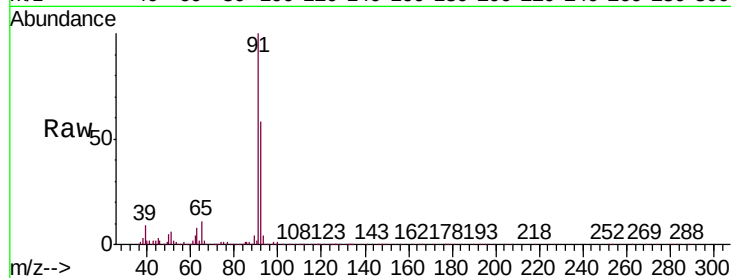
VSTD001312

Tgt Ion: 91 Resp: 258794

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.963 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV014305.D

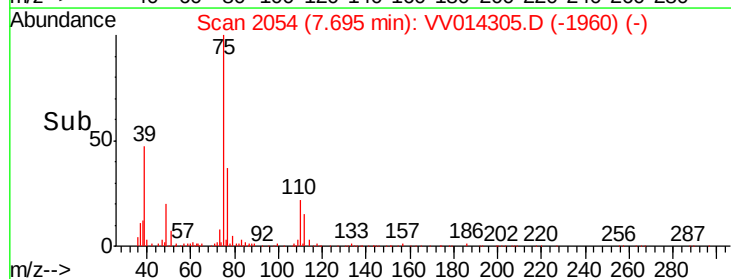
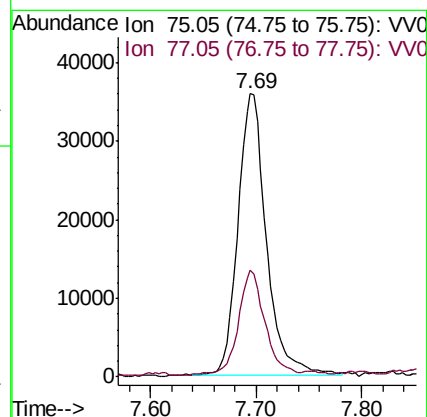
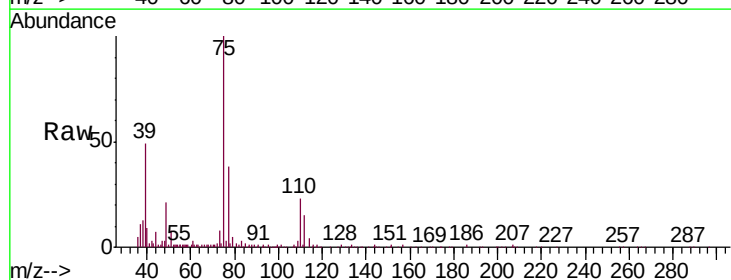
Acq: 15 Jan 2020 09:56

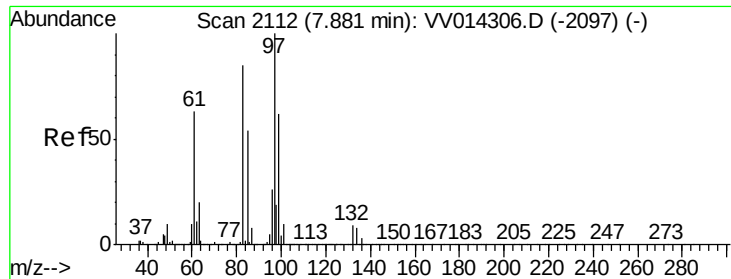
Tgt Ion: 75 Resp: 66519

Ion Ratio Lower Upper

75 100

77 37.7 21.9 40.7

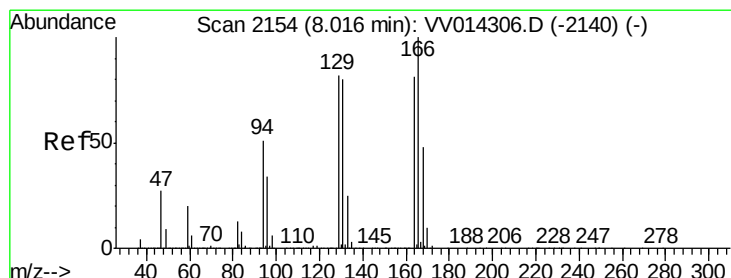
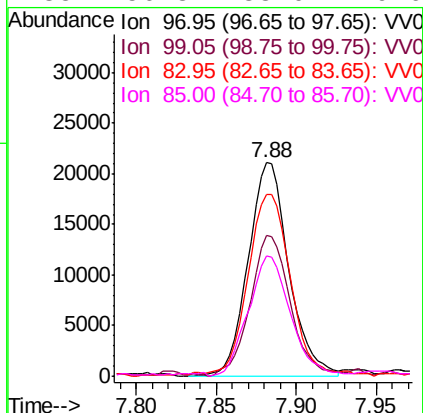
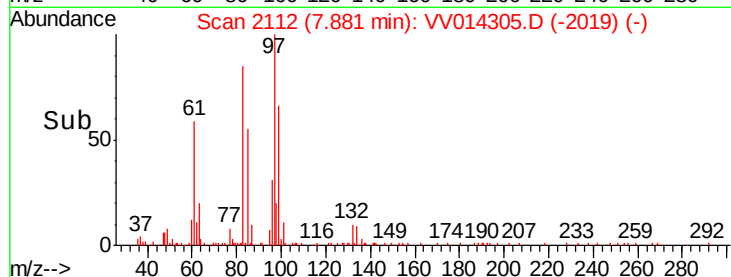
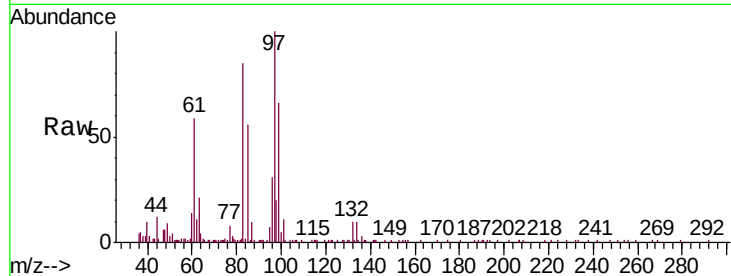




#45
 1,1,2-Trichloroethane
 Concen: 0.915 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

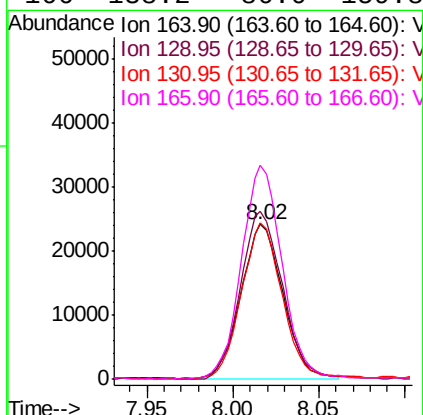
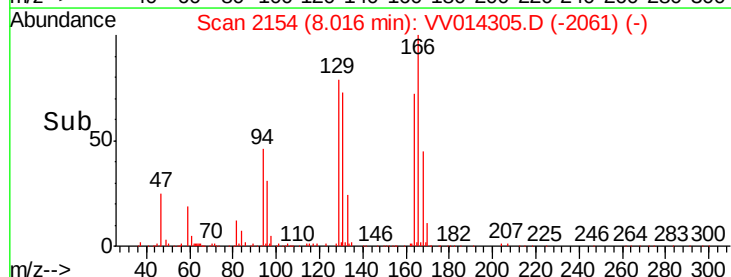
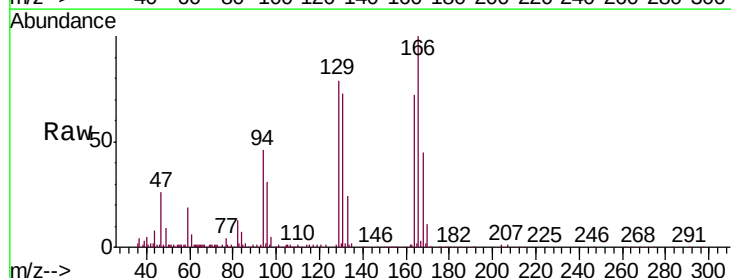
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001312

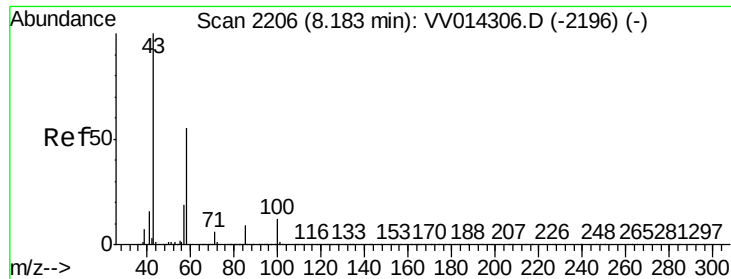
Tgt Ion:	97	Resp:	36947
Ion	Ratio	Lower	Upper
97	100		
99	65.6	43.2	80.2
83	84.9	59.7	110.9
85	56.3	38.0	70.6



#47
 Tetrachloroethene
 Concen: 0.756 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

Tgt Ion:	164	Resp:	41220
Ion	Ratio	Lower	Upper
164	100		
129	108.8	70.6	131.0
131	100.7	68.7	127.5
166	138.2	86.0	159.8

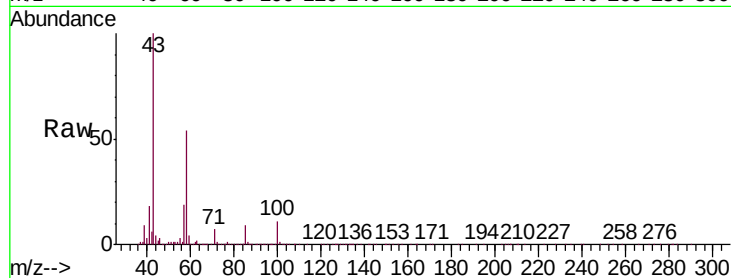




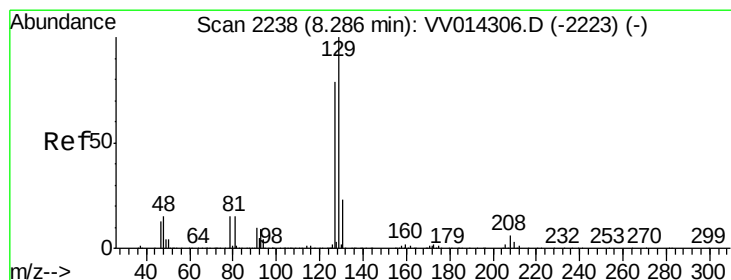
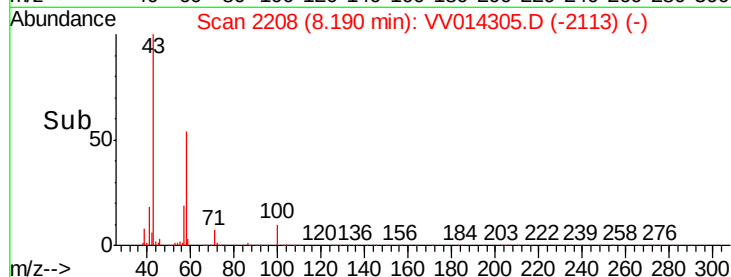
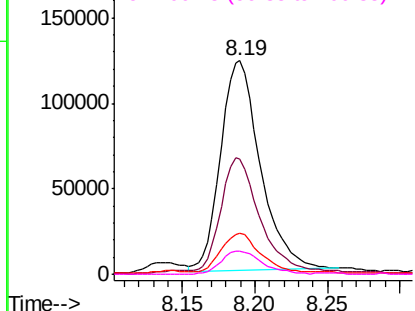
#48
2-Hexanone
Concen: 10.511 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD001312

Tgt Ion:	43	Resp:	233869
Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.9	65.9
57	19.6	14.9	22.3
100	11.6	9.2	13.8

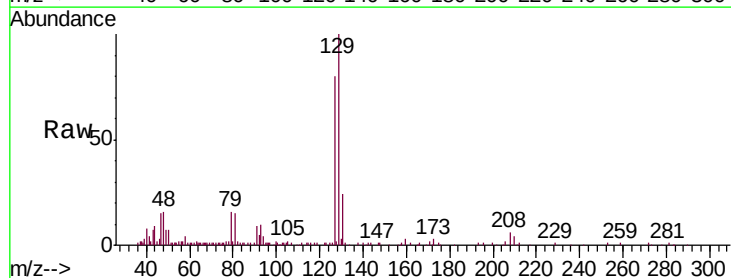


Abundance Ion 43.05 (42.75 to 43.75): VV014306.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV014305.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV014305.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV014305.D (-2113) (-)

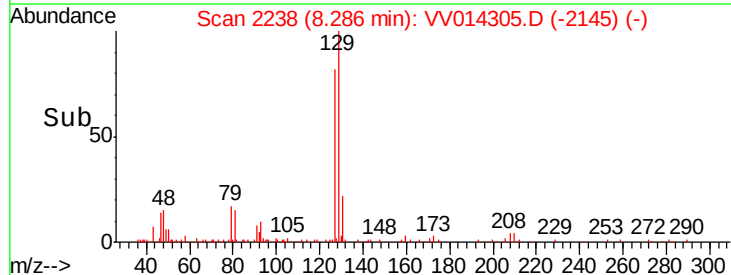
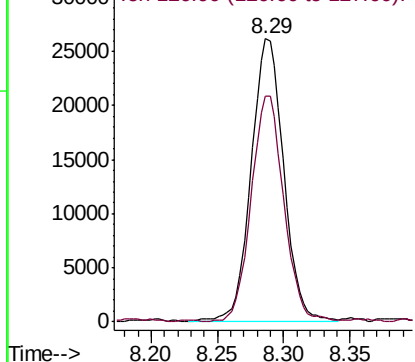


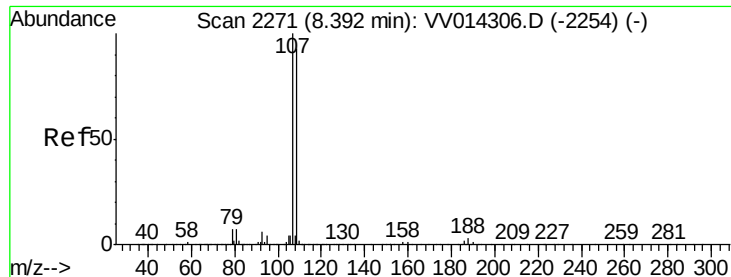
#49
Dibromochloromethane
Concen: 0.905 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

Tgt Ion:	129	Resp:	44746
Ion	Ratio	Lower	Upper
129	100		
127	79.8	55.4	102.8



Abundance Ion 128.95 (128.65 to 129.65): VV014306.D (-2223) (-)
Ion 126.90 (126.60 to 127.60): VV014305.D (-2145) (-)

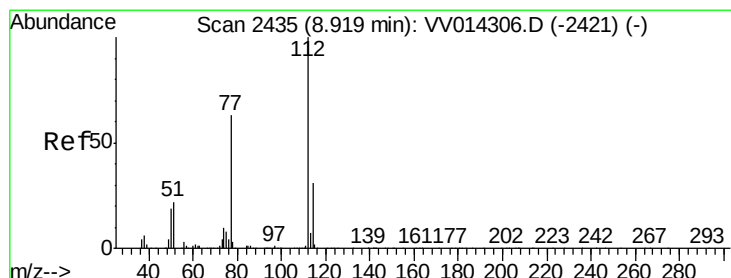
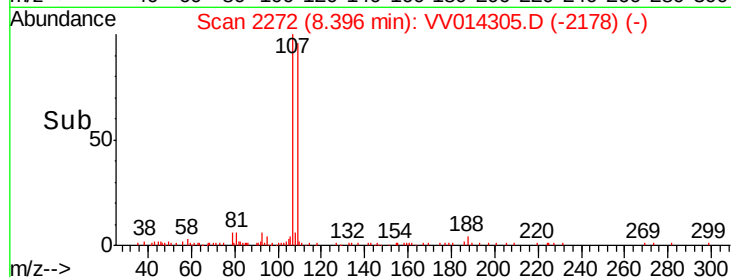
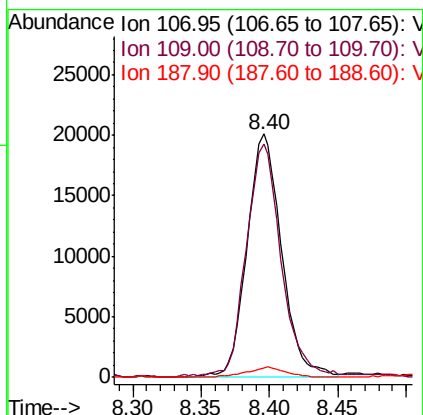
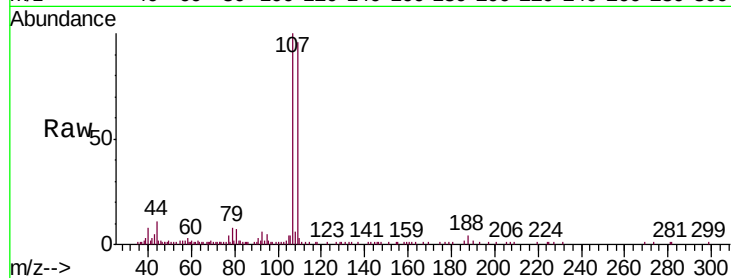




#50
1,2-Dibromoethane
Concen: 0.938 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

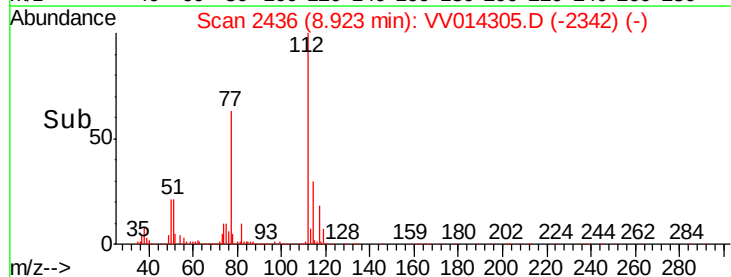
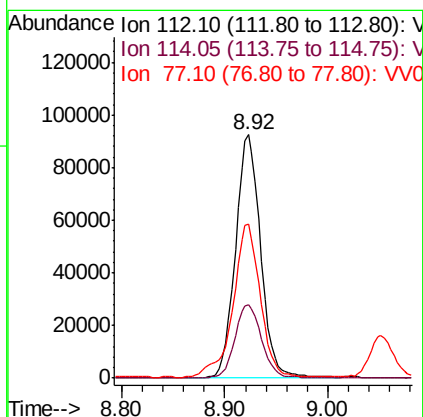
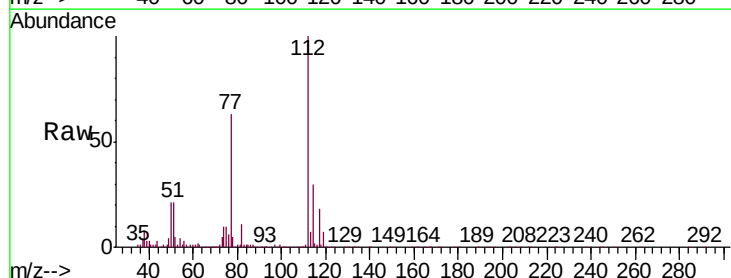
Instrument :
MSVOA_V
ClientSampleId :
VSTD001312

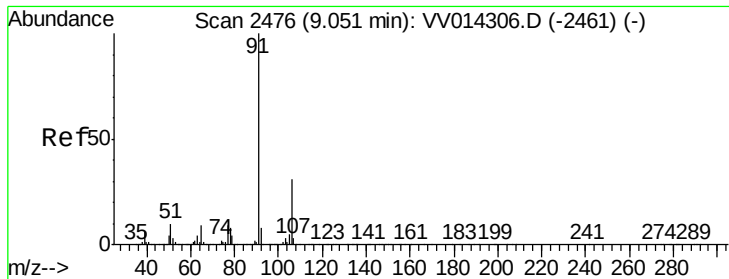
Tgt Ion:107 Resp: 35480
Ion Ratio Lower Upper
107 100
109 96.0 65.2 121.2
188 4.1 2.6 3.8#



#51
Chlorobenzene
Concen: 0.929 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

Tgt Ion:112 Resp: 157670
Ion Ratio Lower Upper
112 100
114 30.1 21.5 39.9
77 63.1 51.0 76.4





#52

Ethylbenzene

Concen: 0.974 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

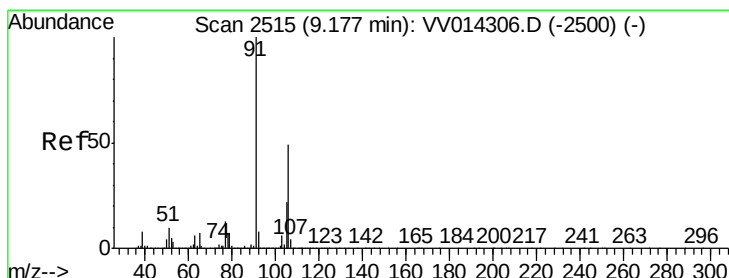
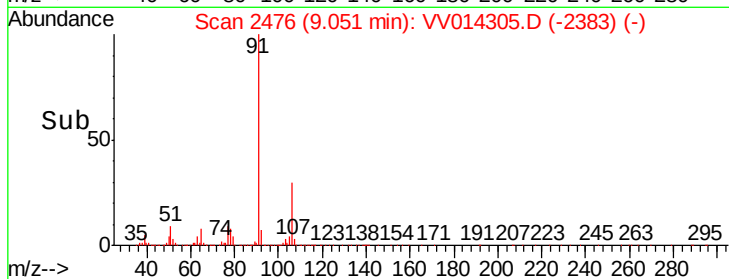
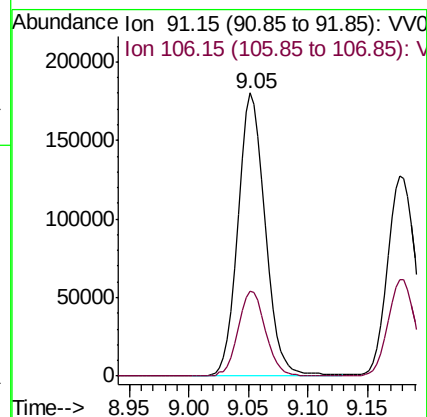
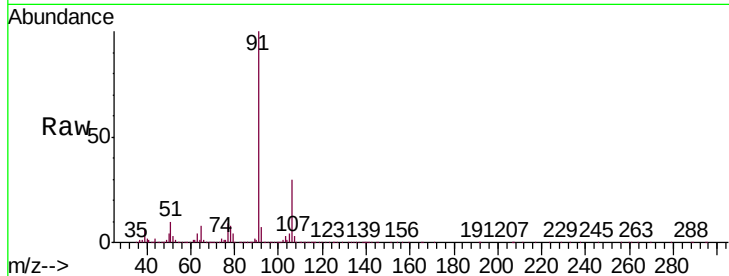
VSTD001312

Tgt Ion: 91 Resp: 286226

Ion Ratio Lower Upper

91 100

106 30.0 21.5 39.9



#53

m,p-xylene

Concen: 0.906 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014305.D

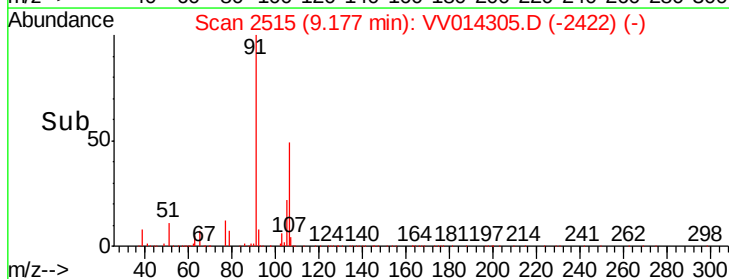
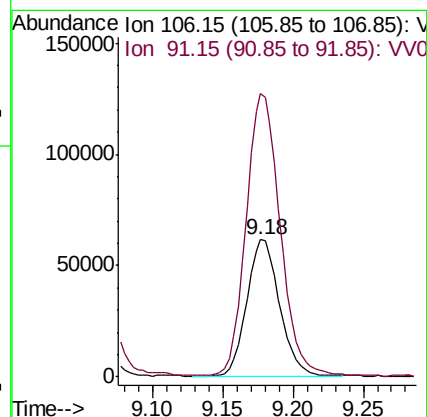
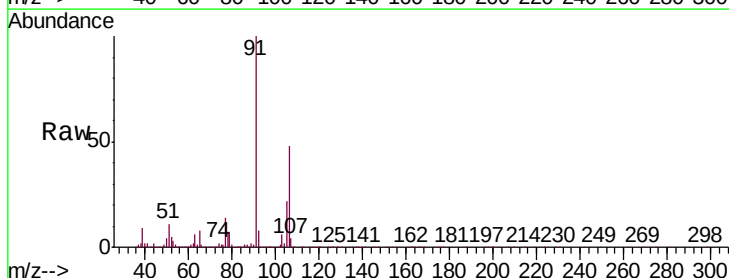
Acq: 15 Jan 2020 09:56

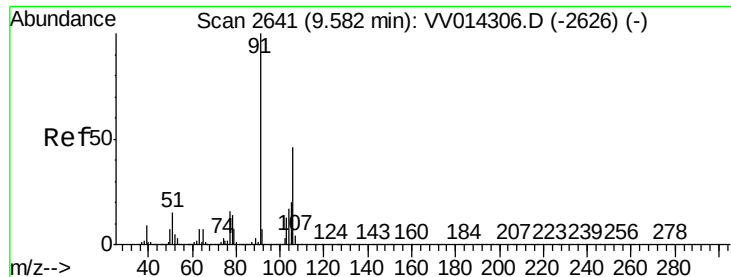
Tgt Ion: 106 Resp: 100068

Ion Ratio Lower Upper

106 100

91 206.8 143.6 266.6

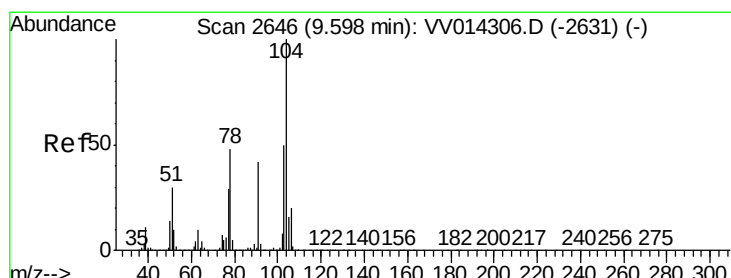
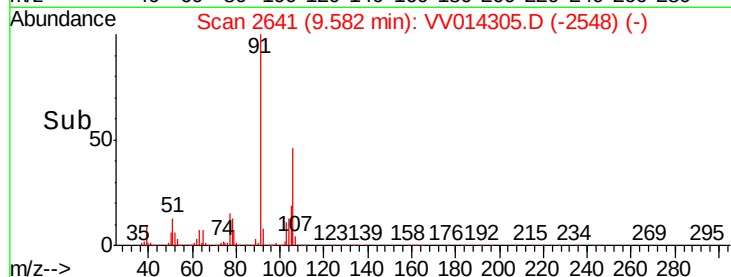
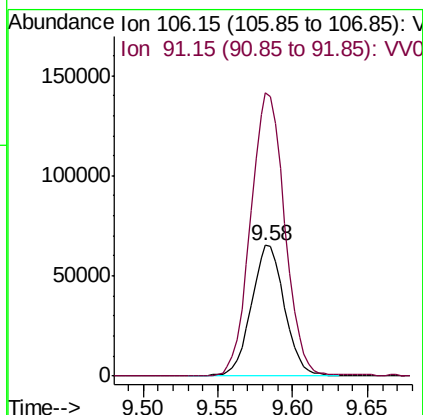
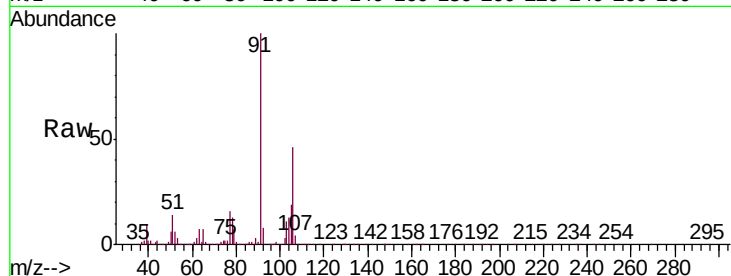




#54
o-xylene
Concen: 0.954 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

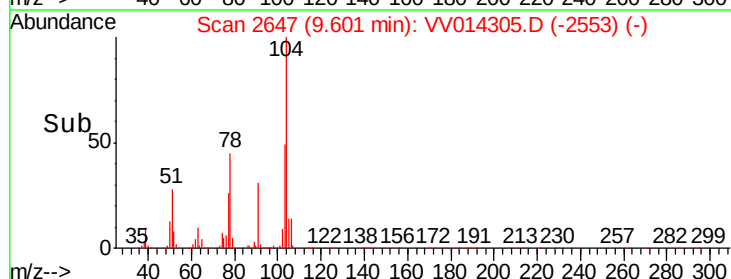
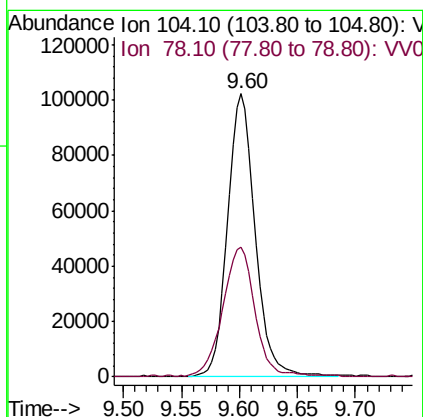
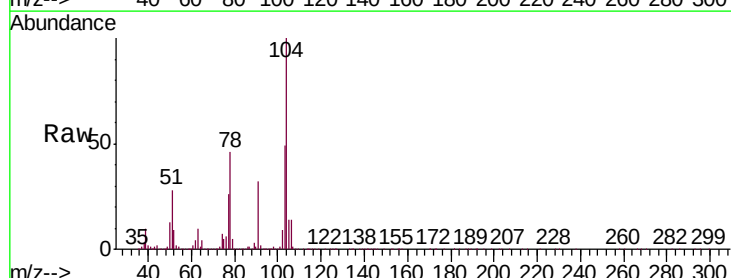
Instrument :
MSVOA_V
ClientSampleId :
VSTD001312

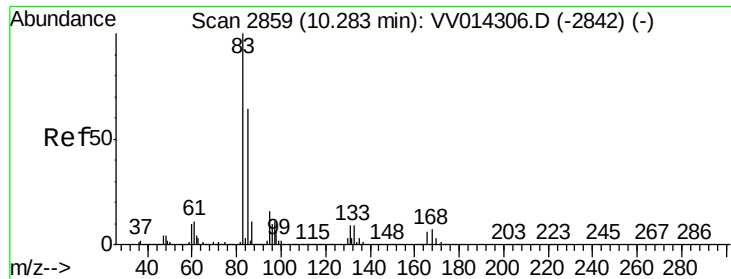
Tgt Ion:106 Resp: 100913
Ion Ratio Lower Upper
106 100
91 216.5 153.0 284.2



#55
Styrene
Concen: 0.951 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

Tgt Ion:104 Resp: 168090
Ion Ratio Lower Upper
104 100
78 45.7 33.8 62.8





#57

1,1,2,2-Tetrachloroethane

Concen: 1.033 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD001312

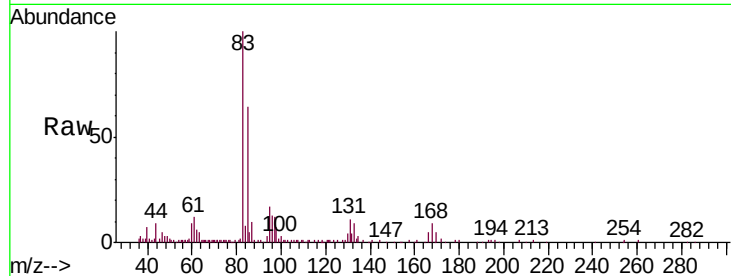
Tgt Ion: 83 Resp: 46189

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

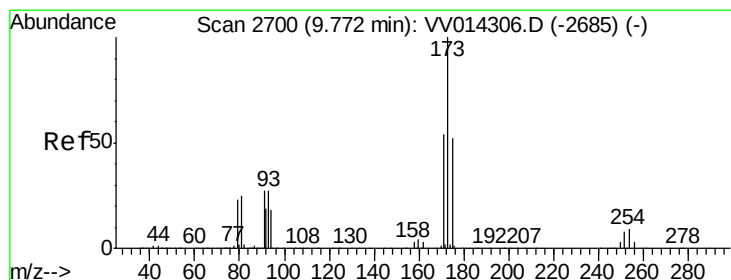
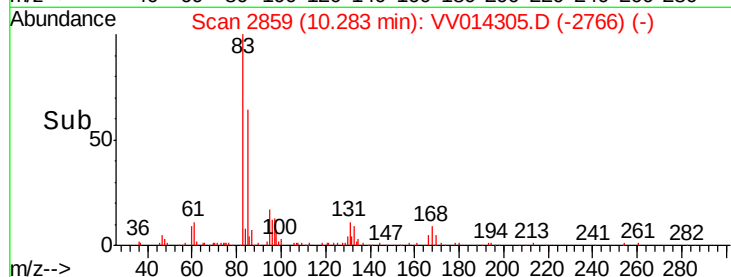
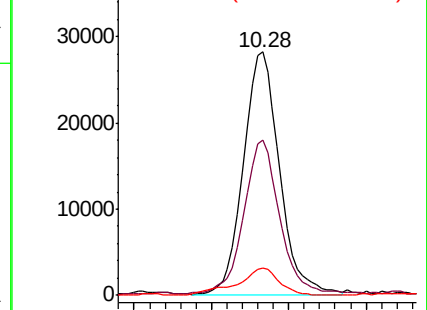
131 11.4 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VV014305.D (-2676) (-)

Ion 85.00 (84.70 to 85.70): VV014305.D (-2676) (-)

Ion 130.95 (130.65 to 131.65): VV014305.D (-2676) (-)



#59

Bromoform

Concen: 0.939 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

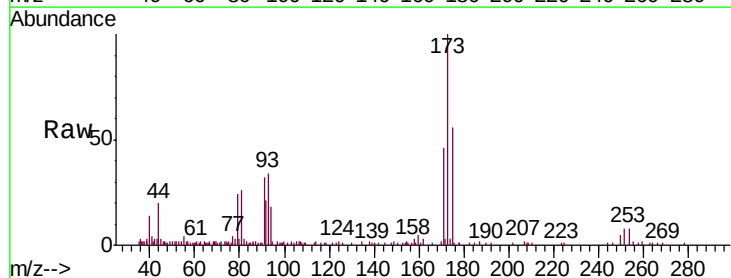
Tgt Ion: 173 Resp: 22398

Ion Ratio Lower Upper

173 100

175 51.3 40.4 60.6

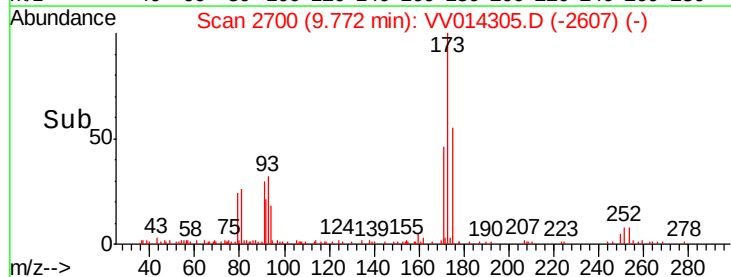
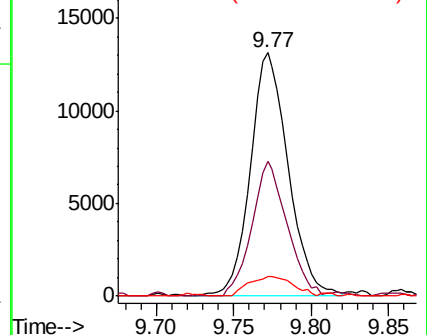
254 9.5 7.2 10.8

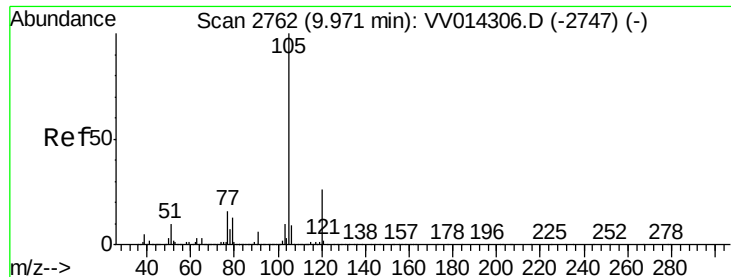


Abundance Ion 172.90 (172.60 to 173.60): VV014305.D (-2607) (-)

Ion 174.90 (174.60 to 175.60): VV014305.D (-2607) (-)

Ion 253.75 (253.45 to 254.45): VV014305.D (-2607) (-)





#60

Isopropylbenzene

Concen: 1.047 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD001312

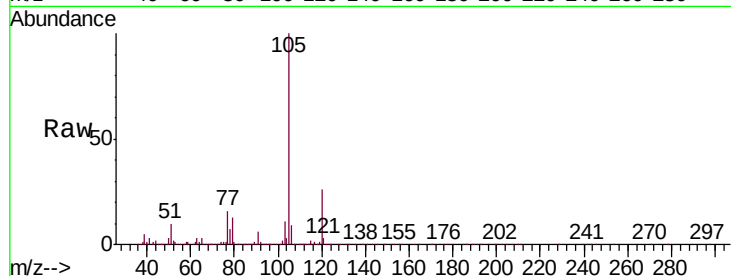
Tgt Ion: 105 Resp: 271166

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

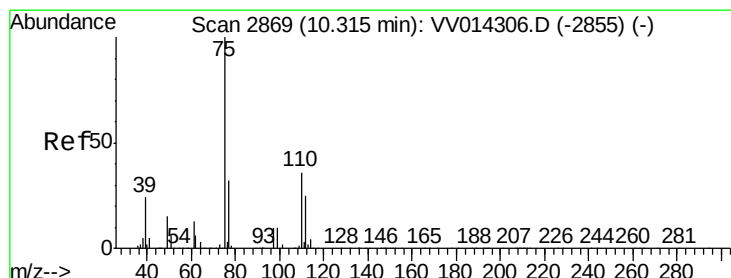
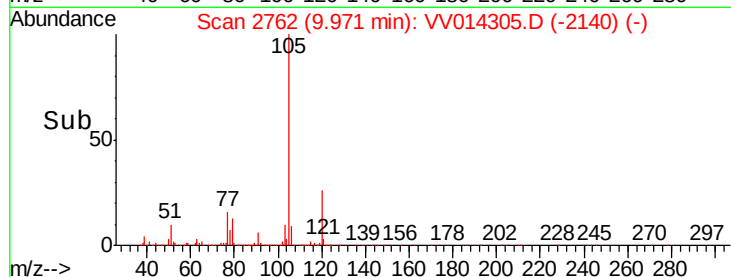
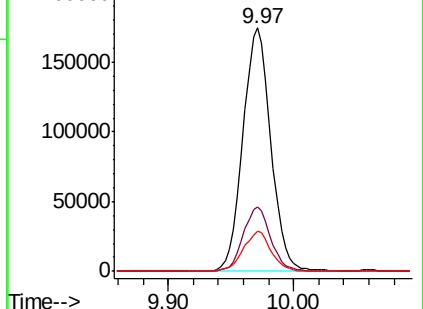
77 16.1 12.7 19.1



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



#61

1,2,3-Trichloropropane

Concen: 1.117 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014305.D

Acq: 15 Jan 2020 09:56

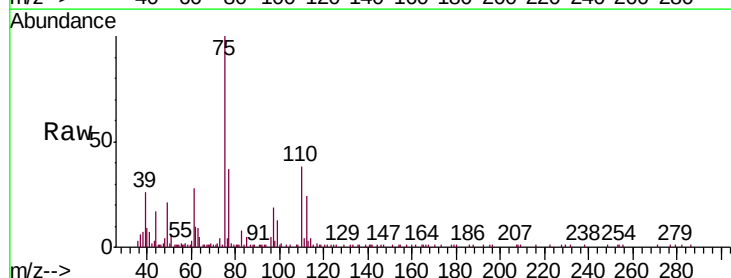
Tgt Ion: 75 Resp: 33758

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

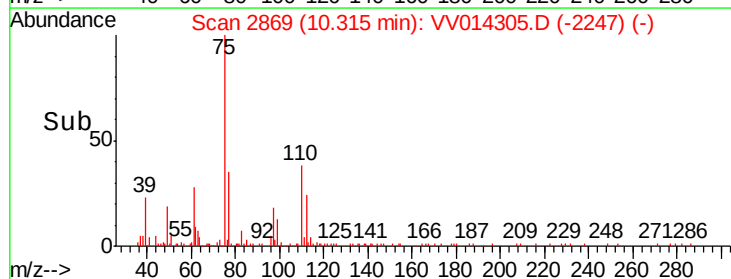
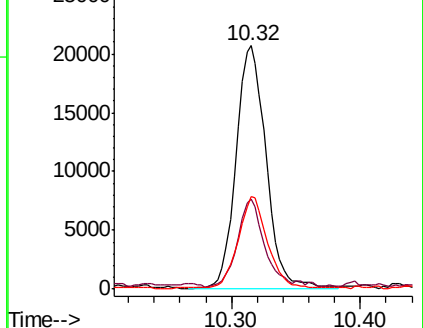
110 35.9 29.8 44.6

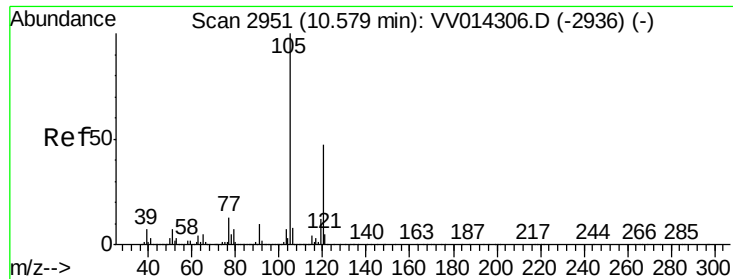


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

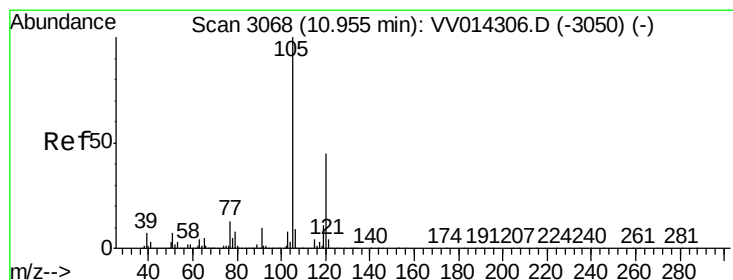
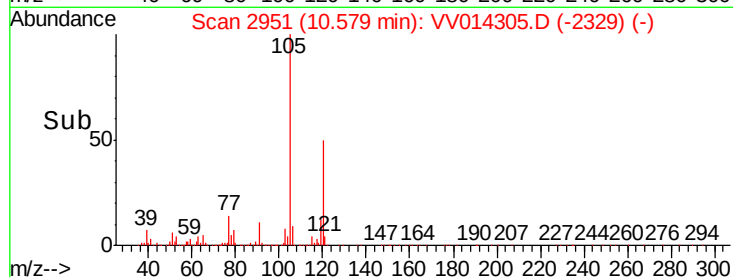
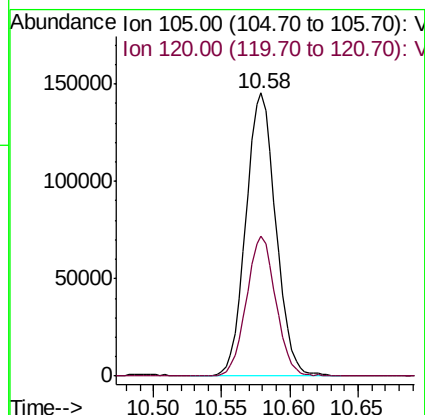
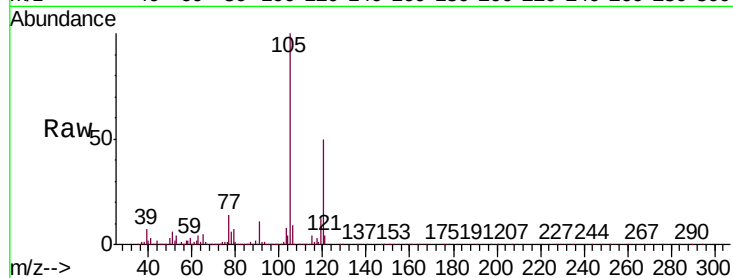




#62
 1,3,5-Trimethylbenzene
 Concen: 1.028 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

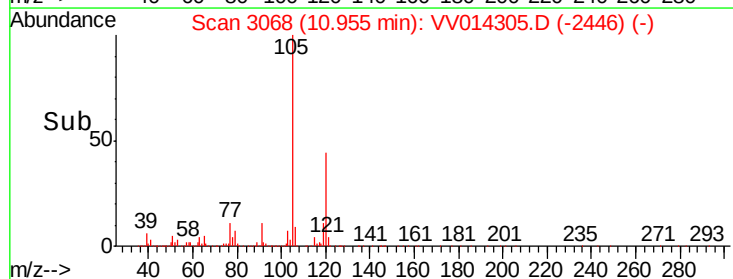
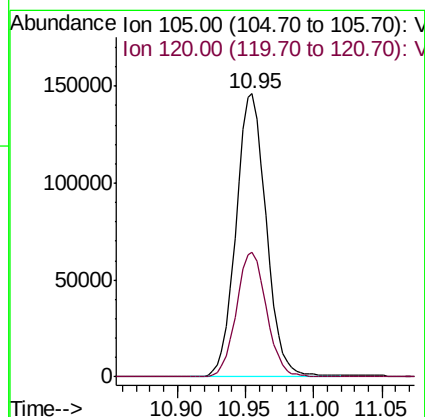
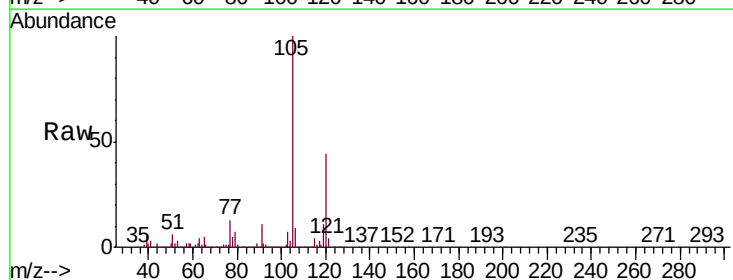
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001312

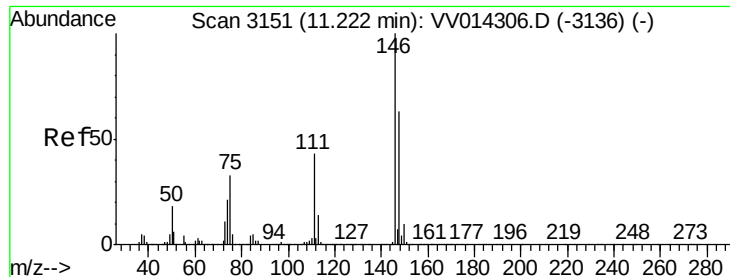
Tgt Ion:105 Resp: 220759
 Ion Ratio Lower Upper
 105 100
 120 48.8 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 1.059 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

Tgt Ion:105 Resp: 224933
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.3 52.9

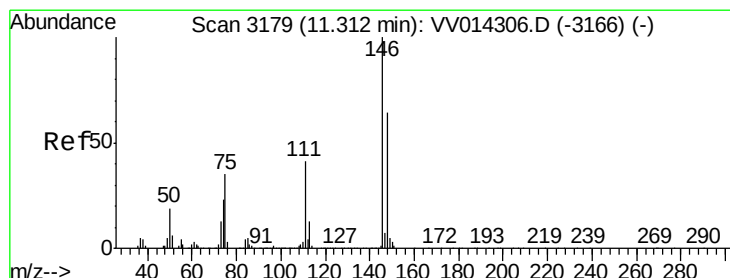
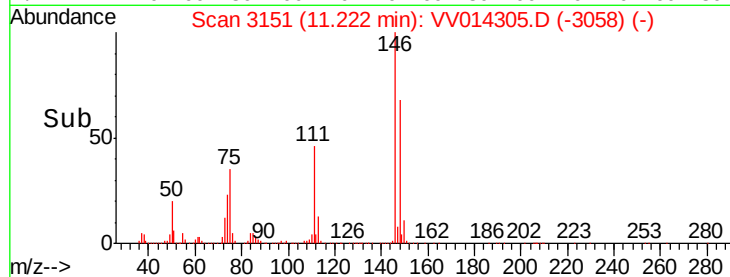
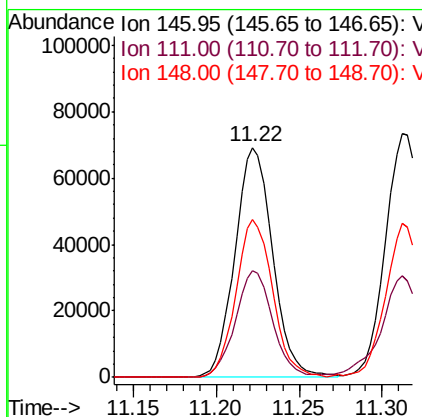
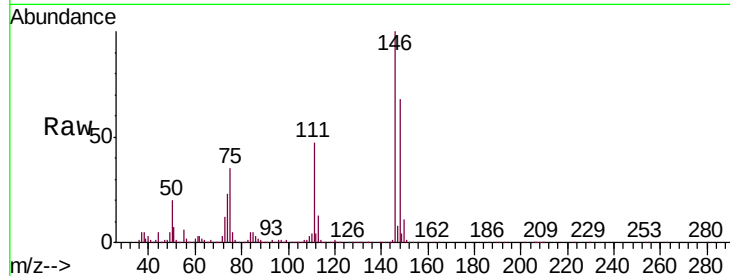




#64
 1,3-Dichlorobenzene
 Concen: 0.875 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

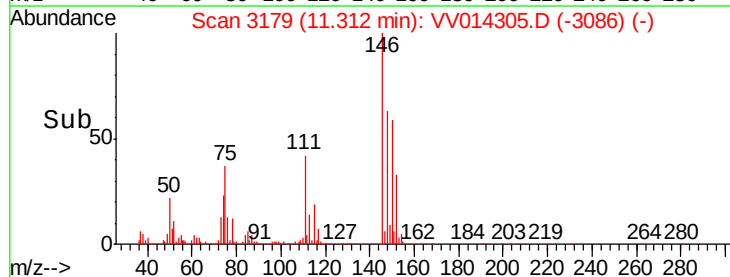
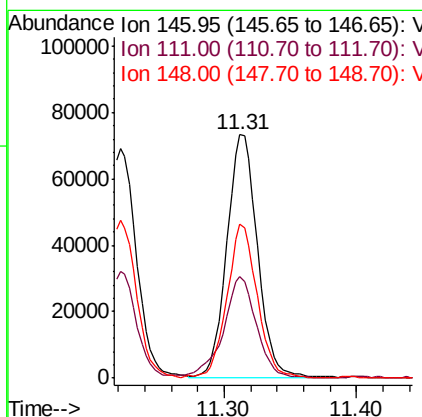
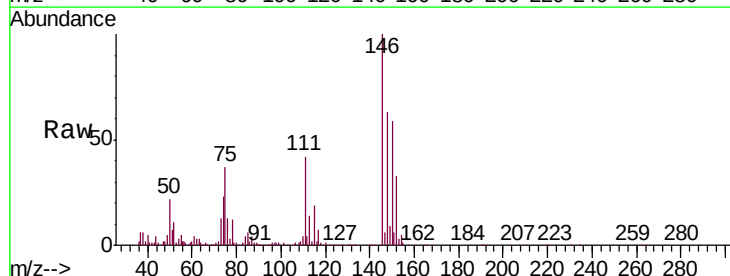
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001312

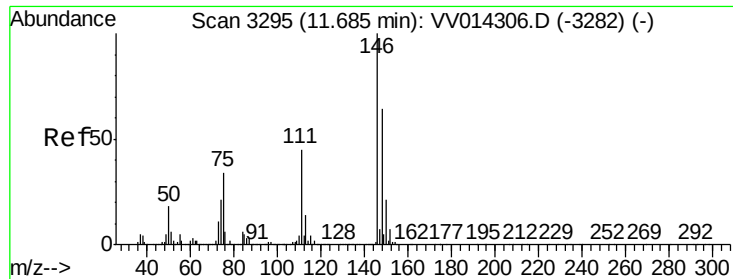
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.6	29.8	55.3
148	68.4	43.8	81.4



#65
 1,4-Dichlorobenzene
 Concen: 0.927 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	29.0	53.9
148	63.1	44.7	82.9

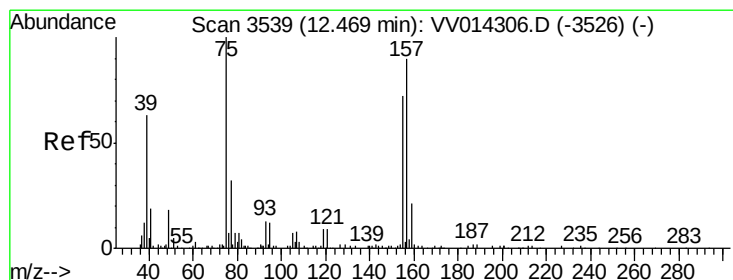
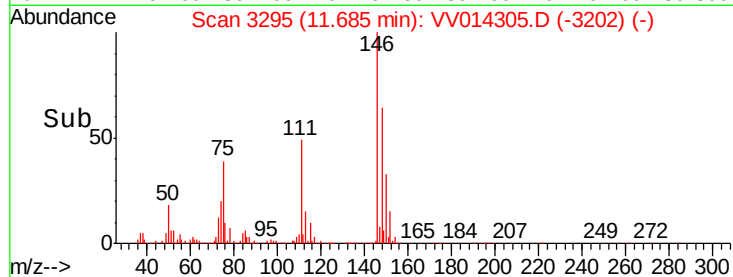
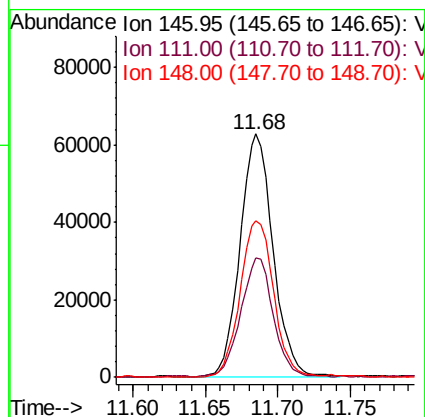
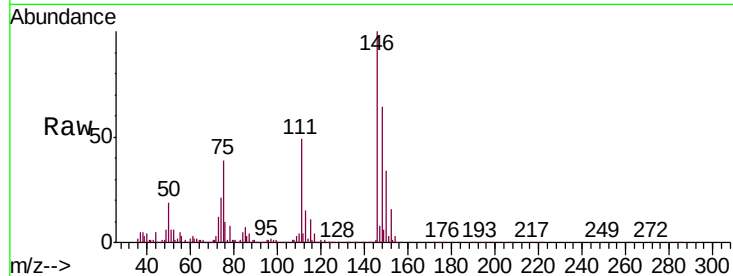




#67
 1,2-Dichlorobenzene
 Concen: 0.885 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

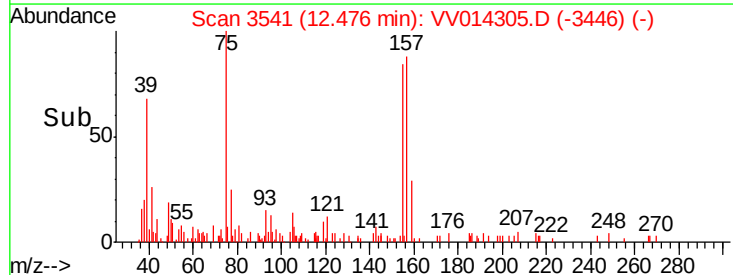
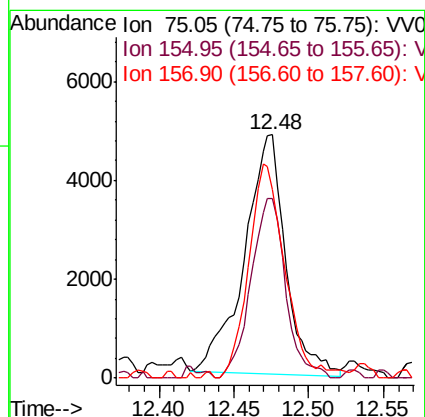
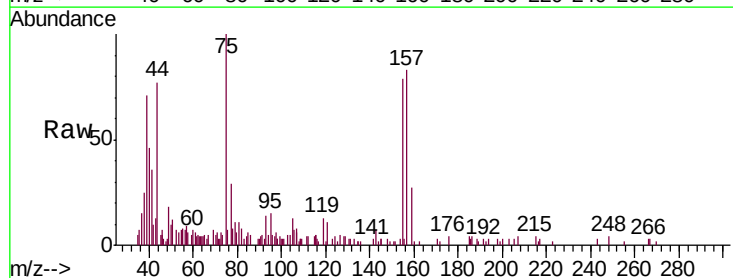
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001312

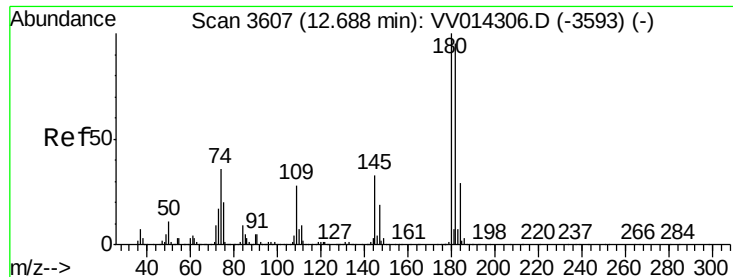
Tgt Ion: 146 Resp: 99878
 Ion Ratio Lower Upper
 146 100
 111 49.3 36.2 54.4
 148 64.5 51.1 76.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.449 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.01 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

Tgt Ion: 75 Resp: 9296
 Ion Ratio Lower Upper
 75 100
 155 73.7 58.0 87.0
 157 77.5 72.1 108.1

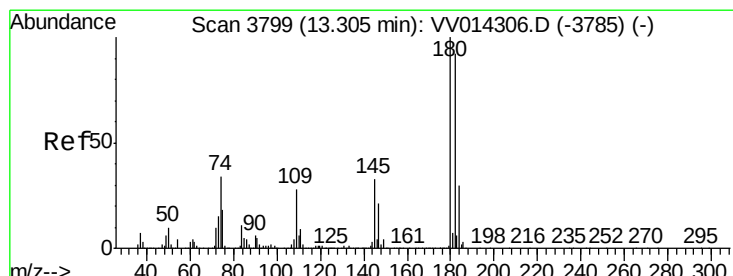
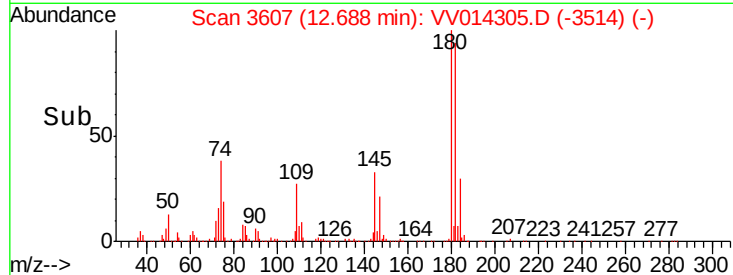
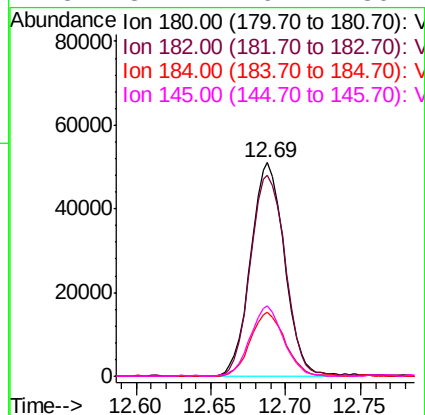
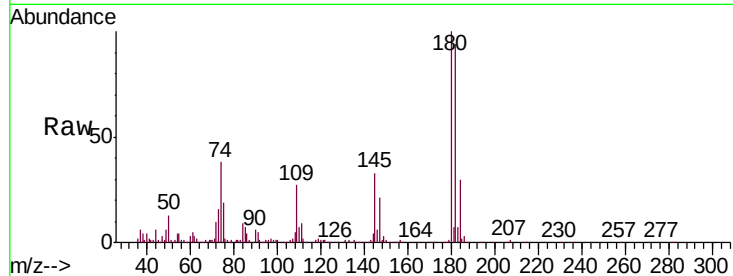




#69
 1,3,5-Trichlorobenzene
 Concen: 0.799 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

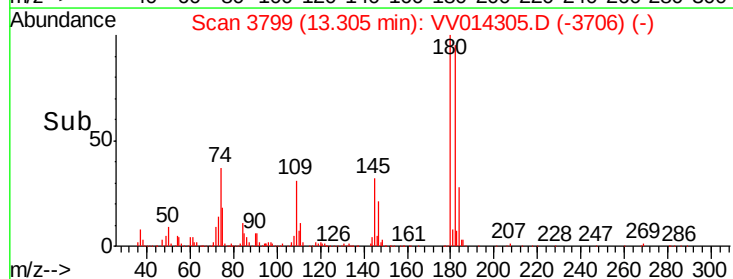
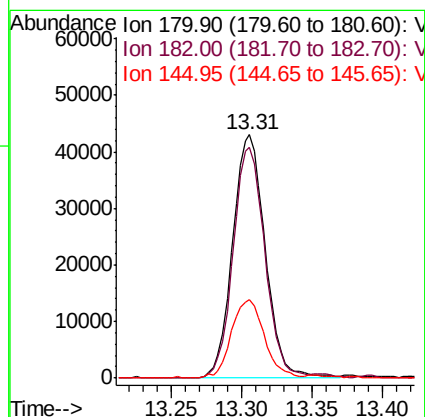
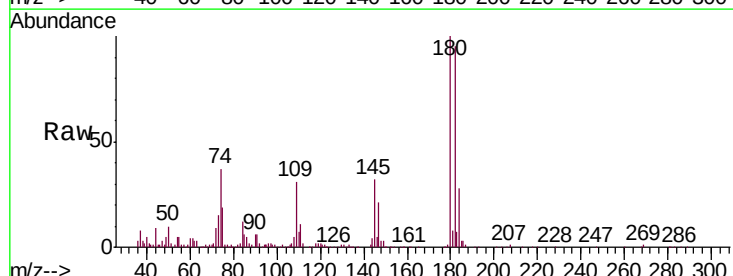
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001312

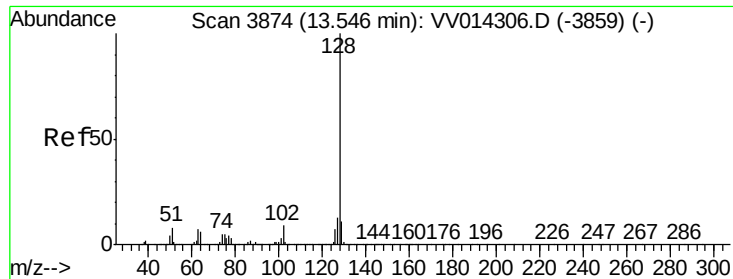
Tgt Ion:	180	Resp:	80693
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.6	114.8
184	30.8	23.3	34.9
145	32.4	26.2	39.4



#70
 1,2,4-trichlorobenzene
 Concen: 0.861 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014305.D
 Acq: 15 Jan 2020 09:56

Tgt Ion:	180	Resp:	69716
Ion	Ratio	Lower	Upper
180	100		
182	91.6	75.8	113.8
145	32.1	26.9	40.3

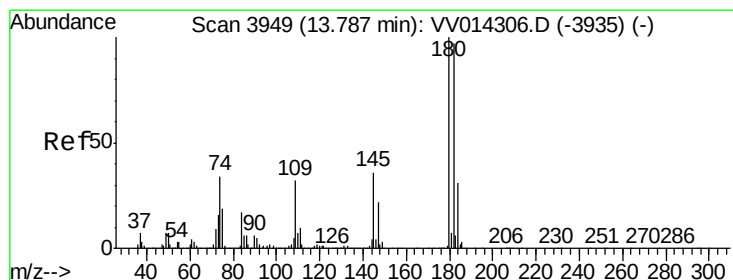
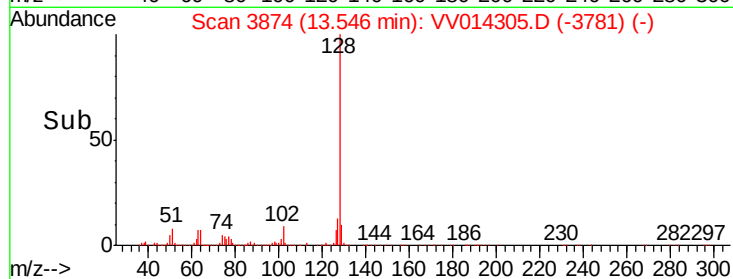
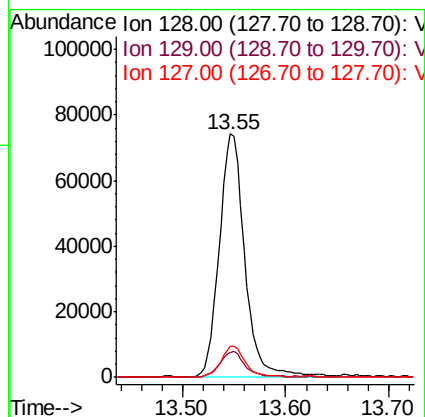
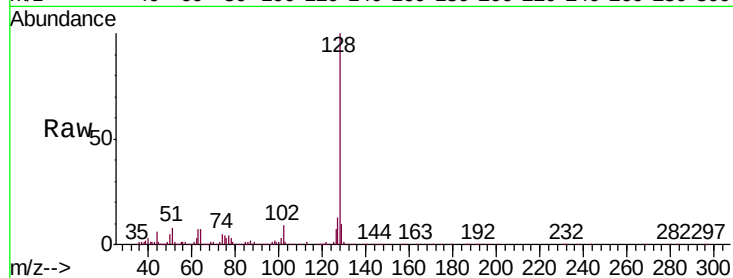




#71
Naphthalene
Concen: 1.067 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD001312

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.8	13.2
127	12.3	10.0	15.0



#72
1,2,3-Trichlorobenzene
Concen: 0.816 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014305.D
Acq: 15 Jan 2020 09:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.7	115.1
145	36.4	28.8	43.2

