

Data File : VV014304.D
Acq On : 15 Jan 2020 09:22
Operator : SY/MD
Sample : VSTD0.536
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

Quant Time: Jan 16 01:53:47 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	938128	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	845074	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	393215	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29884	0.56	ug/L	0.00
7) Chloroethane-d5	1.58	69	23773	0.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	47342	0.50	ug/L	0.00
20) 2-Butanone-d5	3.99	46	17316	1.41	ug/L	0.03
24) Chloroform-d	4.40	84	61894	0.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	28971	0.48	ug/L	0.00
32) Benzene-d6	5.10	84	120230	0.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	36954	0.60	ug/L	0.00
41) Toluene-d8	7.36	98	110993	0.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	15671	0.59	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	54322	5.65	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	24741	0.55	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	33975	0.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	37153	0.370 ug/L	99
3) Chloromethane	1.26	50	36287	0.569 ug/L	99
5) Vinyl chloride	1.33	62	32971	0.518 ug/L	94
6) Bromomethane	1.54	94	18033	0.482 ug/L	93
8) Chloroethane	1.60	64	16075	0.466 ug/L	100
9) Trichlorofluoromethane	1.77	101	42065	0.411 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	22080	0.476 ug/L	96
12) 1,1-Dichloroethene	2.14	96	20414	0.473 ug/L #	81
13) Acetone	2.24	43	67028	9.612 ug/L	80
14) Carbon disulfide	2.32	76	102025	0.750 ug/L	100
15) Methyl Acetate	2.48	43	8174	0.511 ug/L #	71
16) Methylene chloride	2.54	84	58796	1.157 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	67745	0.490 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	32716	0.521 ug/L	96
19) 1,1-Dichloroethane	3.23	63	59117	0.523 ug/L	98
21) 2-Butanone	4.07	43	75849	5.604 ug/L #	63
22) cis-1,2-Dichloroethene	3.96	96	32068	0.478 ug/L #	98
23) Bromochloromethane	4.30	128	12669	0.445 ug/L	91
25) Chloroform	4.42	83	54675	0.401 ug/L	98
27) 1,2-Dichloroethane	5.18	62	31087	0.411 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	49290	0.475 ug/L	100
30) Cyclohexane	4.72	56	59266	0.621 ug/L	98
31) Carbon tetrachloride	4.87	117	41521	0.451 ug/L	98
33) Benzene	5.14	78	128982	0.548 ug/L	100
34) Trichloroethene	5.96	95	33693	0.511 ug/L	99
35) Methylcyclohexane	6.17	83	59049	0.558 ug/L	99
37) 1,2-Dichloropropane	6.22	63	30939	0.561 ug/L	99
38) Bromodichloromethane	6.55	83	39004	0.511 ug/L #	97
39) cis-1,3-Dichloropropene	7.07	75	45580	0.526 ug/L	94
40) 4-Methyl-2-pentanone	7.28	43	184769	5.830 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	139871	0.543	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	37590	0.543	ug/L	91
45) 1,1,2-Trichloroethane	7.88	97	19596	0.484	ug/L	97
47) Tetrachloroethene	8.02	164	22802	0.417	ug/L	89
48) 2-Hexanone	8.19	43	120594	5.408	ug/L	97
49) Dibromochloromethane	8.29	129	24045	0.485	ug/L	94
50) 1,2-Dibromoethane	8.40	107	16418	0.433	ug/L #	85
51) Chlorobenzene	8.92	112	84934	0.499	ug/L	98
52) Ethylbenzene	9.05	91	152528	0.518	ug/L	99
53) m,p-xylene	9.18	106	57957	0.524	ug/L	92
54) o-xylene	9.58	106	55342	0.522	ug/L	94
55) Styrene	9.60	104	88771	0.501	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.28	83	23509	0.525	ug/L #	98
59) Bromoform	9.77	173	11867	0.493	ug/L	97
60) Isopropylbenzene	9.97	105	145003	0.555	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	17185	0.564	ug/L	94
62) 1,3,5-Trimethylbenzene	10.58	105	119791	0.553	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	116982	0.546	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	60624	0.482	ug/L	97
65) 1,4-Dichlorobenzene	11.31	146	62660	0.493	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	55339	0.486	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.47	75	4987	0.770	ug/L #	70
69) 1,3,5-Trichlorobenzene	12.69	180	43424	0.426	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	35490	0.435	ug/L	96
71) Naphthalene	13.55	128	62460	0.514	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.79	180	31094	0.432	ug/L	96

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

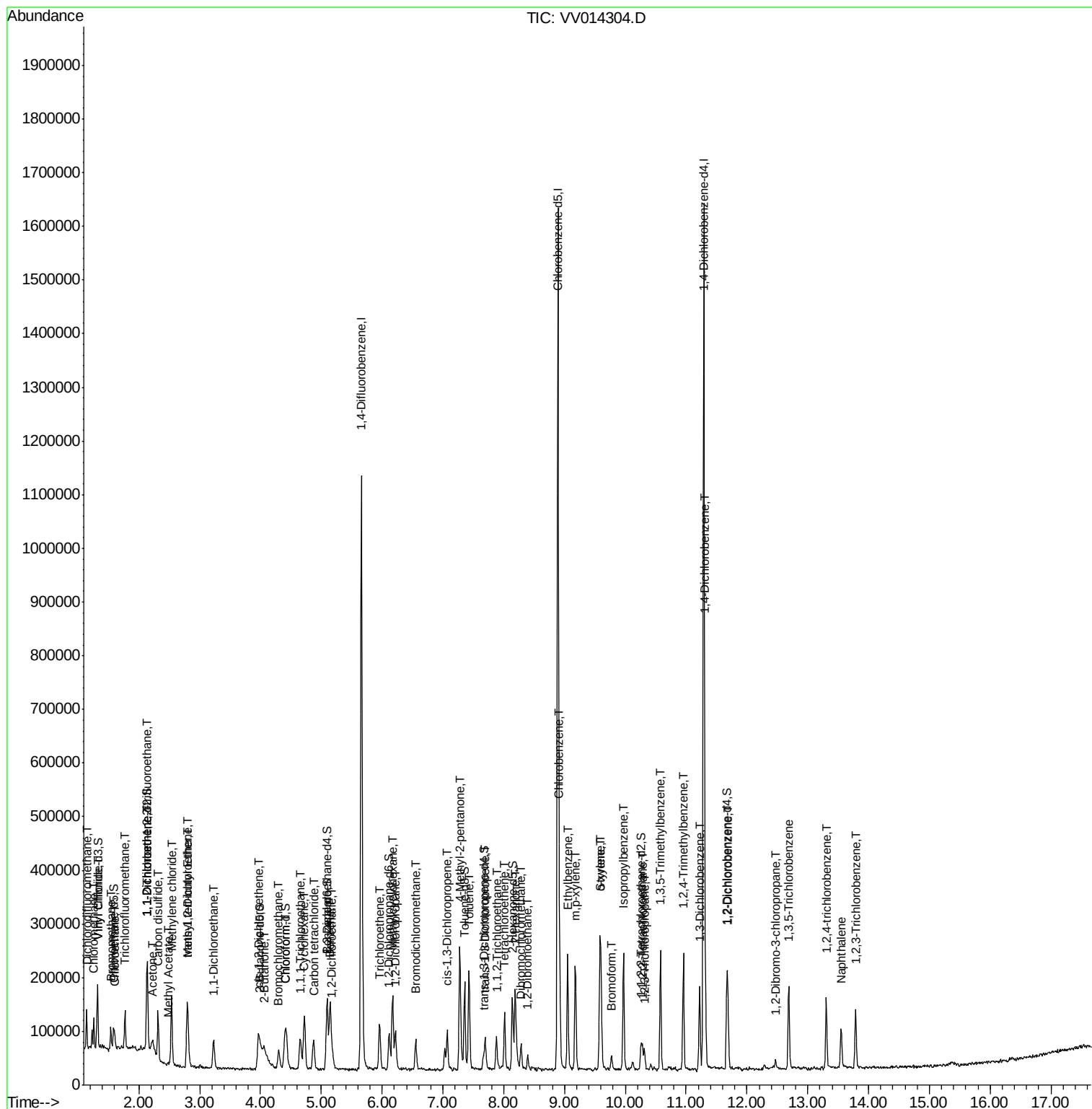
Quant Time: Jan 16 01:53:47 2020

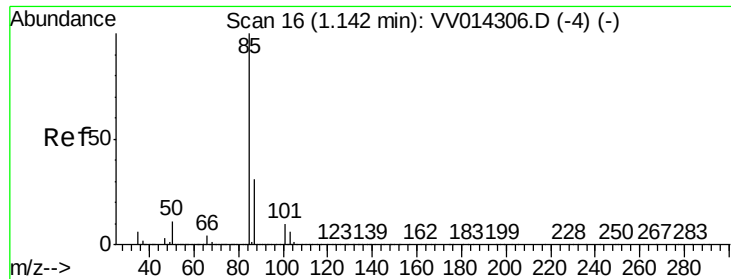
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR011520WMA.M

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#2

Dichlorodifluoromethane

Concen: 0.370 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

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Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

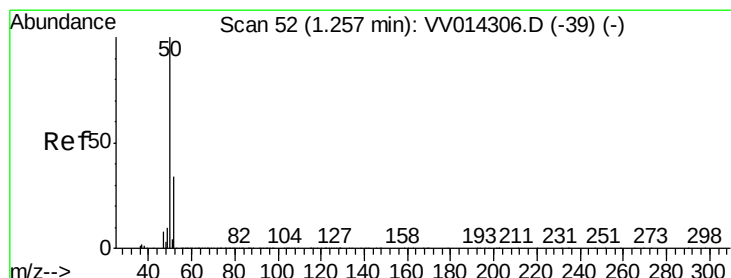
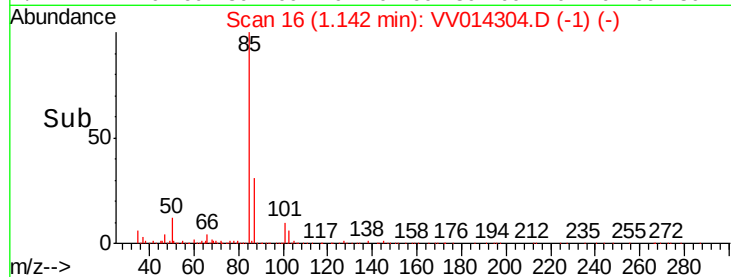
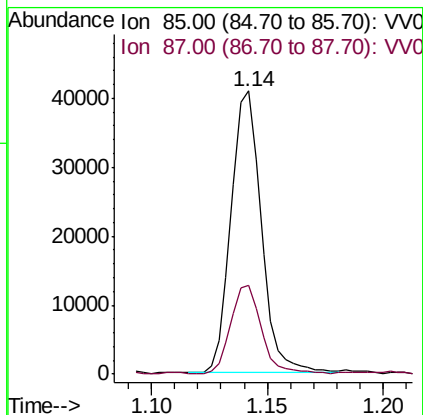
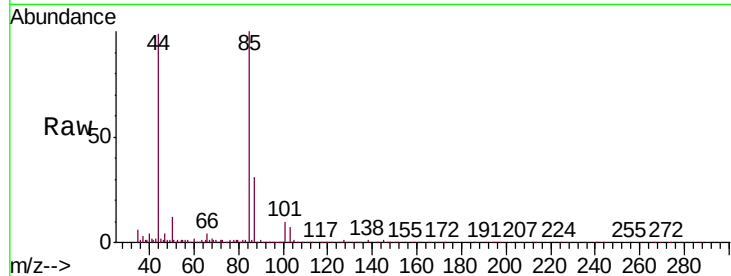
VSTD0.5361

Tgt Ion: 85 Resp: 37153

Ion Ratio Lower Upper

85 100

87 31.7 24.9 37.3



#3

Chloromethane

Concen: 0.569 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014304.D

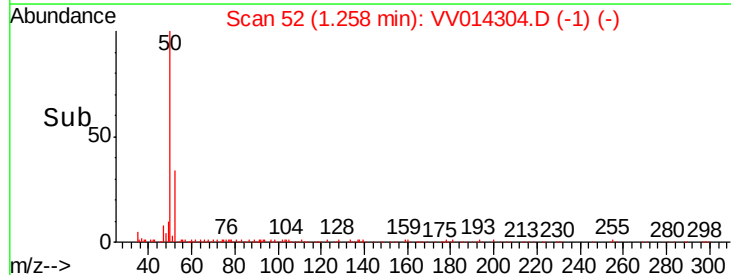
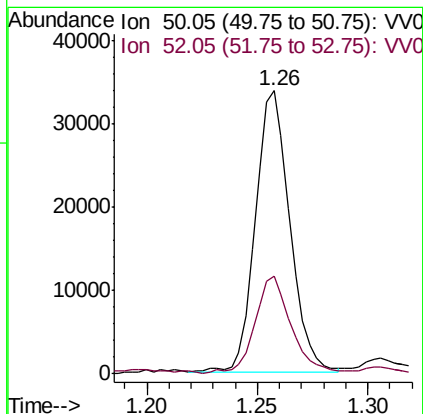
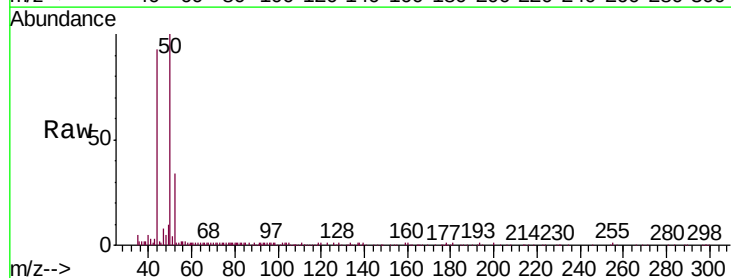
Acq: 15 Jan 2020 09:22

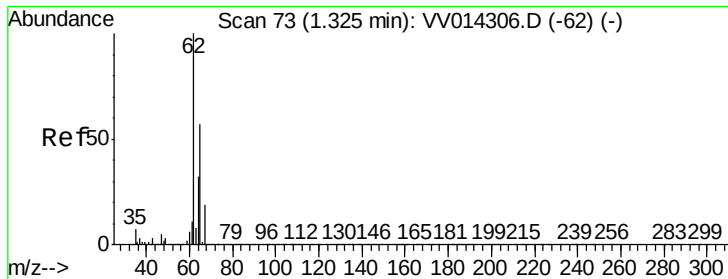
Tgt Ion: 50 Resp: 36287

Ion Ratio Lower Upper

50 100

52 34.4 23.5 43.7





#5

Vinyl chloride

Concen: 0.518 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

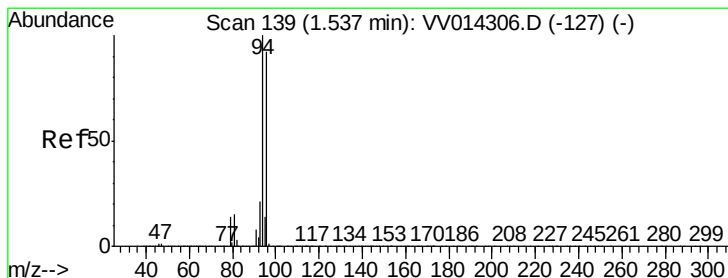
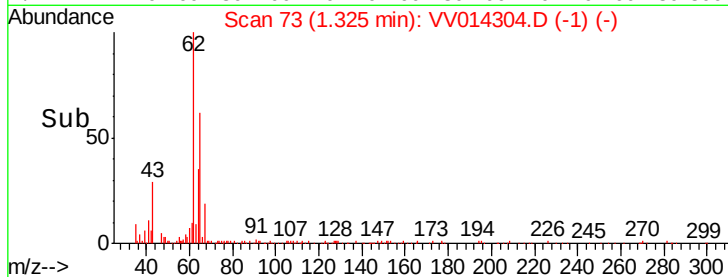
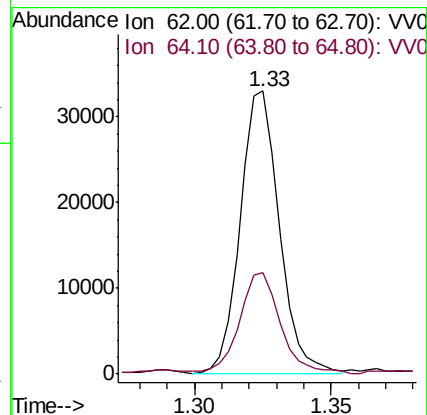
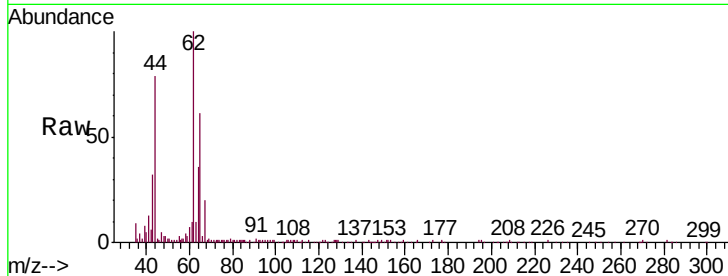
VSTD0.5361

Tgt Ion: 62 Resp: 32971

Ion Ratio Lower Upper

62 100

64 35.7 22.6 42.0



#6

Bromomethane

Concen: 0.482 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014304.D

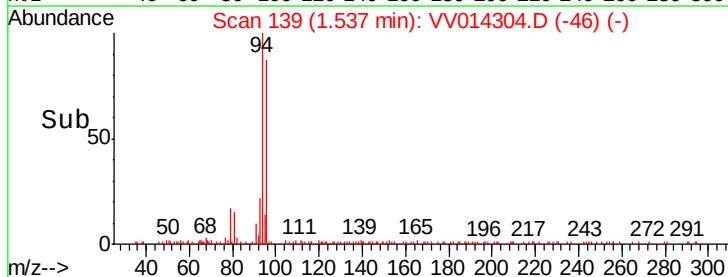
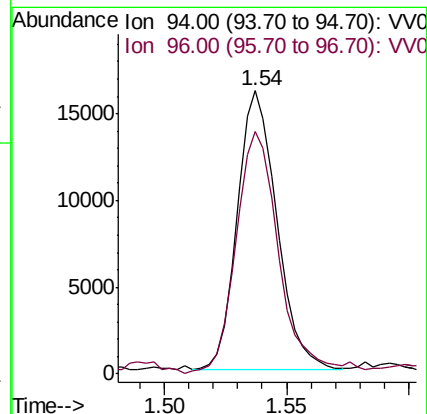
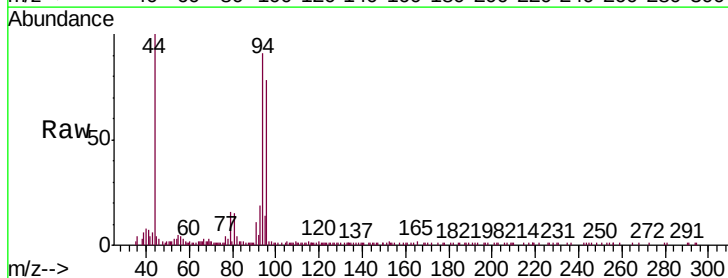
Acq: 15 Jan 2020 09:22

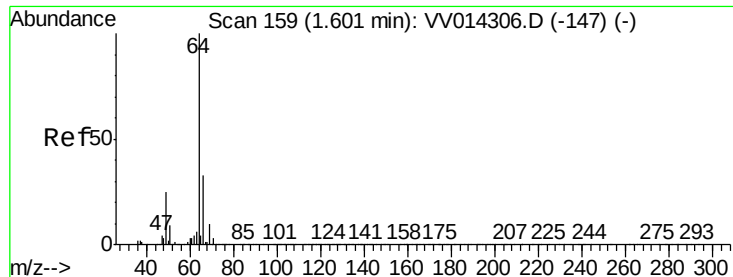
Tgt Ion: 94 Resp: 18033

Ion Ratio Lower Upper

94 100

96 85.5 64.6 120.0





#8

Chloroethane

Concen: 0.466 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

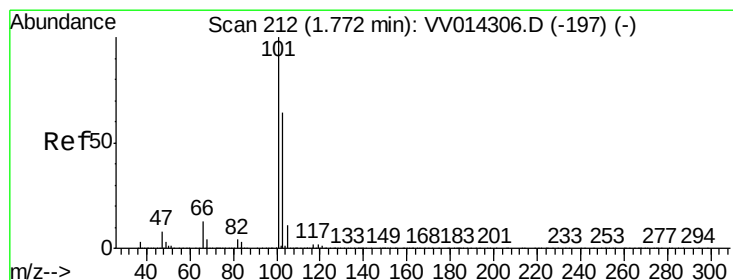
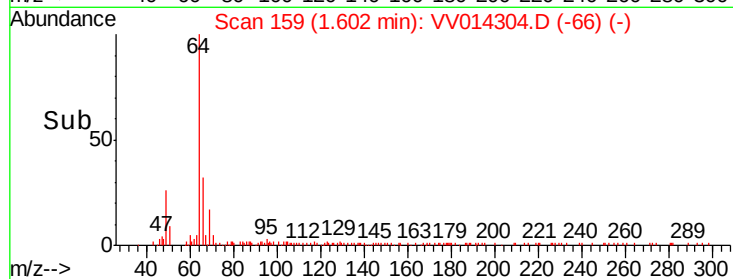
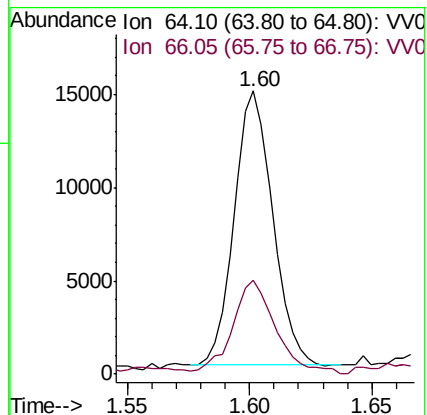
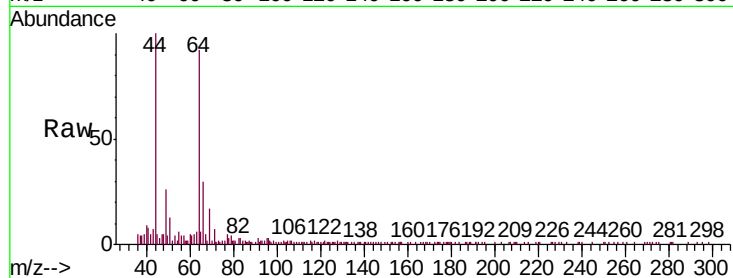
VSTD0.5361

Tgt Ion: 64 Resp: 16075

Ion Ratio Lower Upper

64 100

66 33.0 23.0 42.8



#9

Trichlorofluoromethane

Concen: 0.411 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014304.D

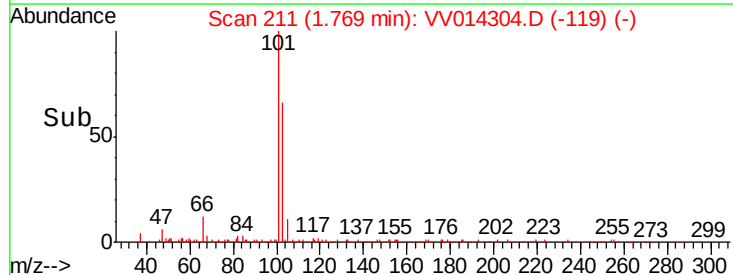
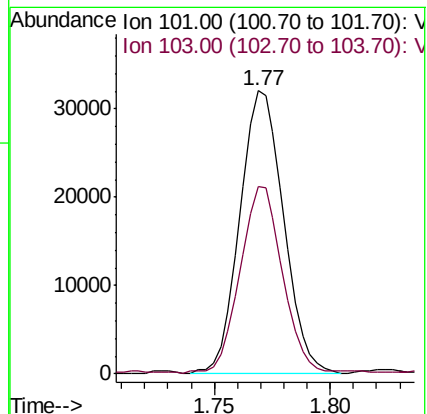
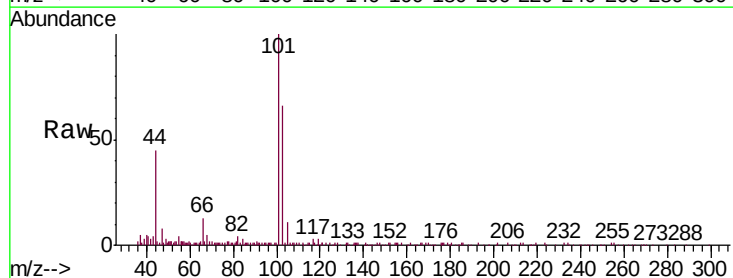
Acq: 15 Jan 2020 09:22

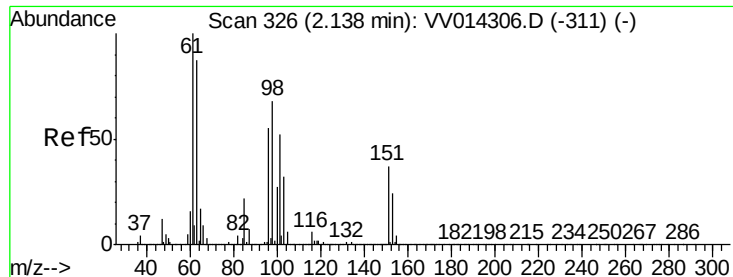
Tgt Ion: 101 Resp: 42065

Ion Ratio Lower Upper

101 100

103 65.6 51.2 76.8





#10

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

Concen: 0.476 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

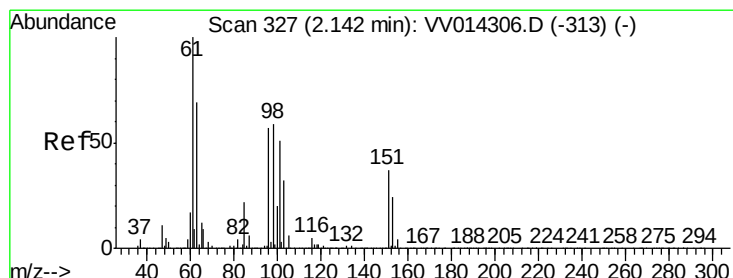
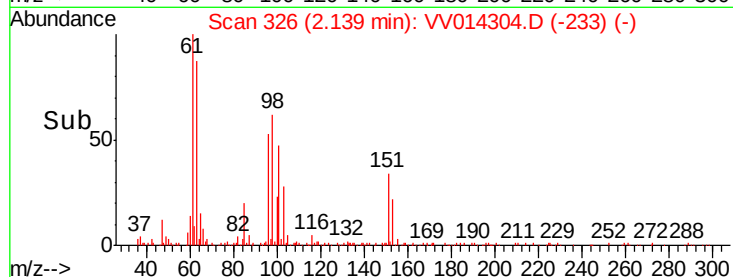
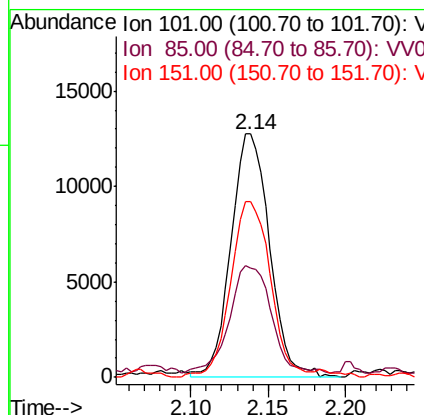
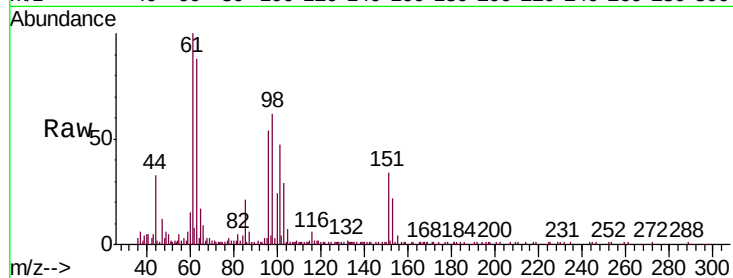
Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5361

Tgt Ion:	101	Resp:	22080
Ion	Ratio	Lower	Upper
101	100		
85	47.3	34.2	51.2
151	74.7	58.7	88.1



#12

1,1-Dichloroethene

Concen: 0.473 ug/L

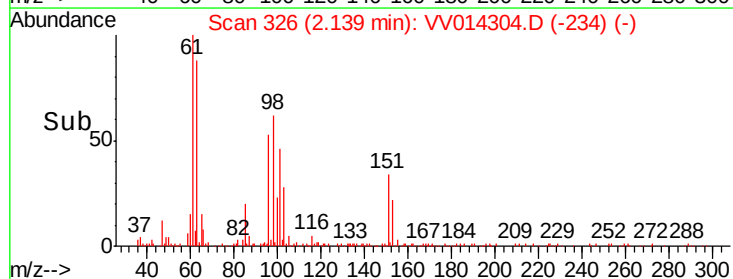
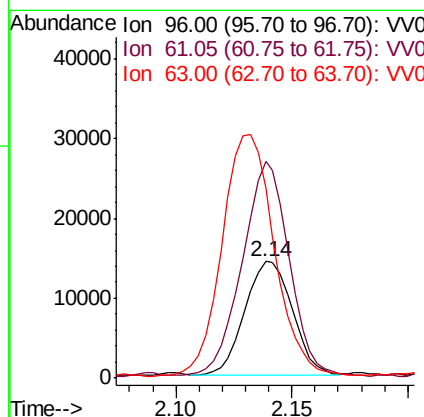
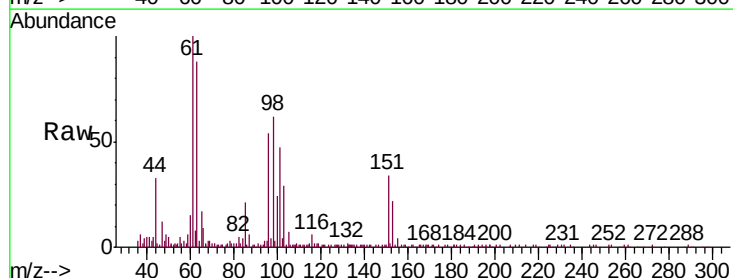
RT: 2.14 min Scan# 326

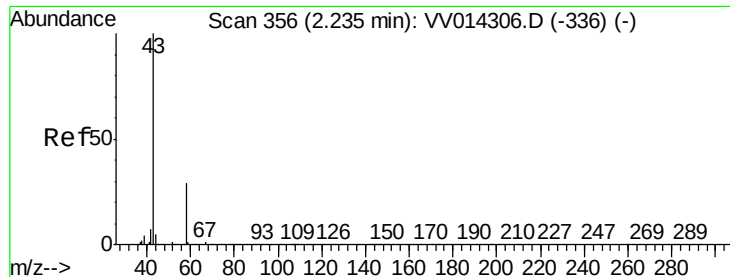
Delta R.T. -0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Tgt Ion:	96	Resp:	20414
Ion	Ratio	Lower	Upper
96	100		
61	185.5	123.2	228.8
63	162.4	85.6	159.0#





#13

Acetone

Concen: 9.612 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

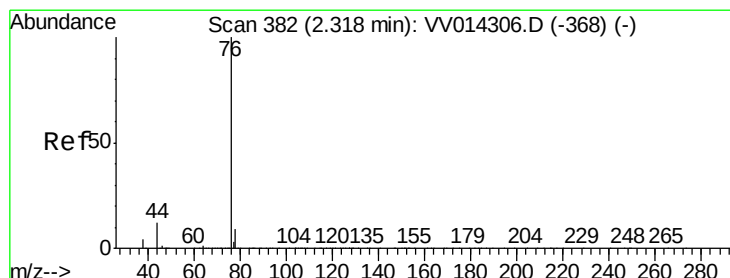
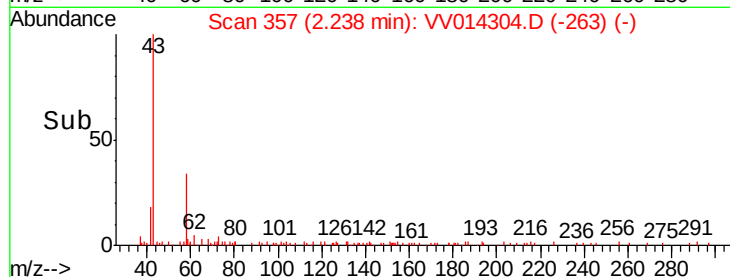
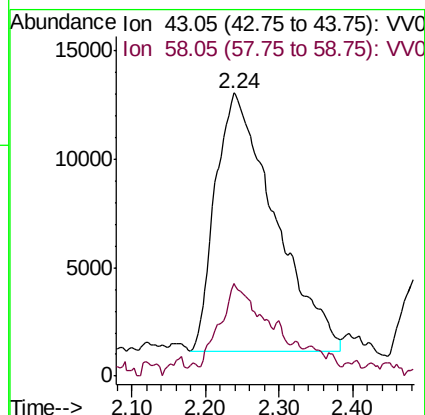
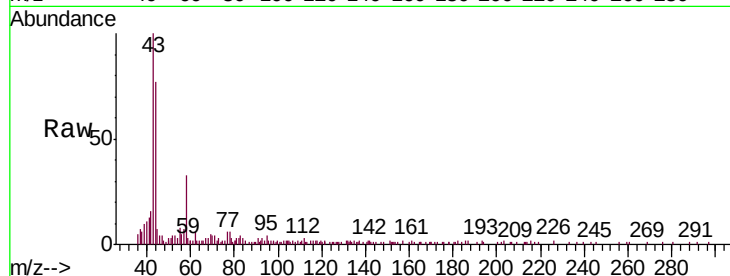
VSTD0.5361

Tgt Ion: 43 Resp: 67028

Ion Ratio Lower Upper

43 100

58 20.9 0.0 25.8



#14

Carbon disulfide

Concen: 0.750 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014304.D

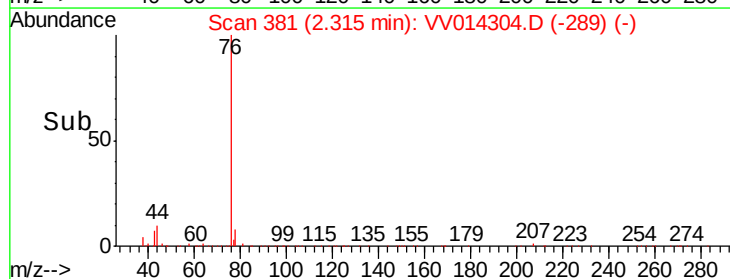
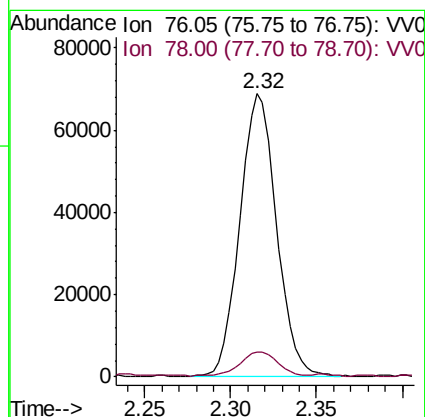
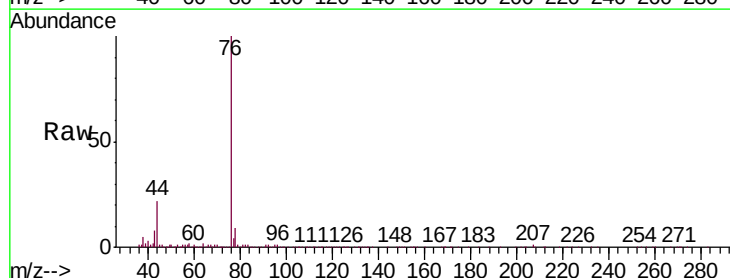
Acq: 15 Jan 2020 09:22

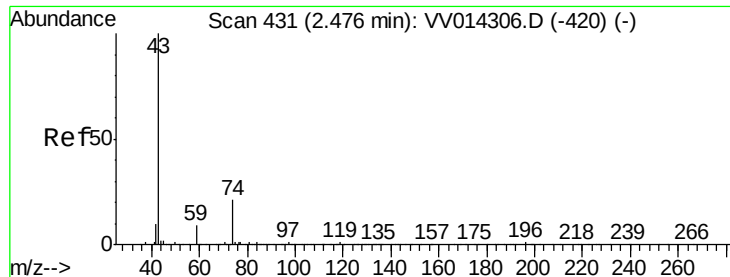
Tgt Ion: 76 Resp: 102025

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

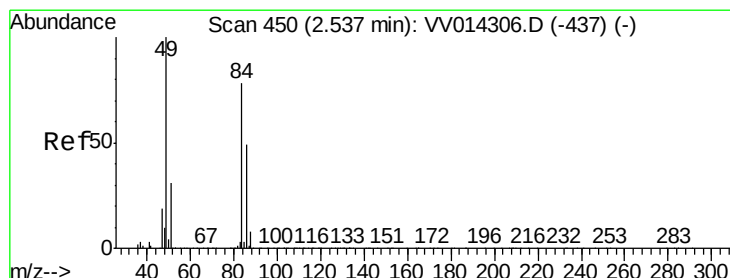
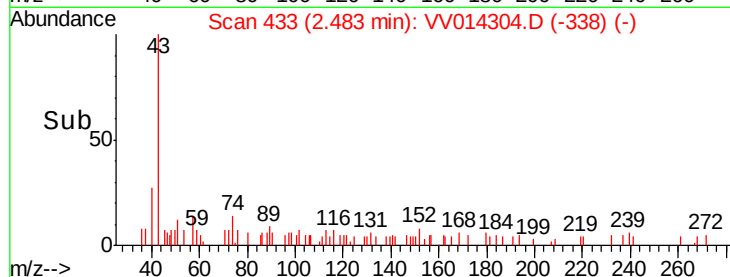
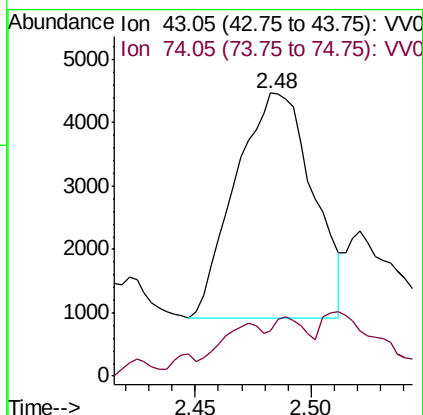
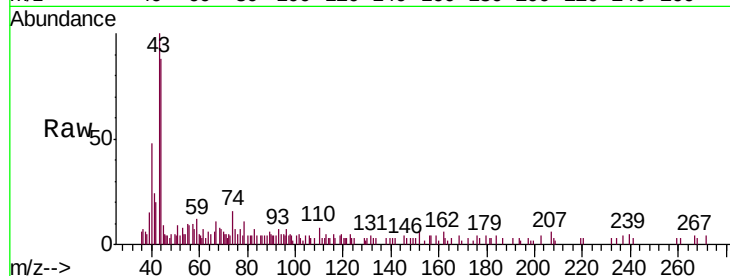




#15
Methyl Acetate
Concen: 0.511 ug/L
RT: 2.48 min Scan# 433
Delta R.T. 0.01 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

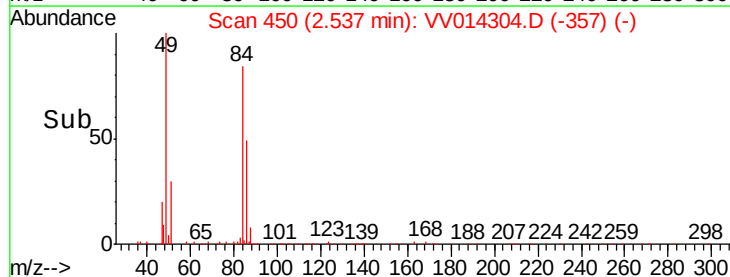
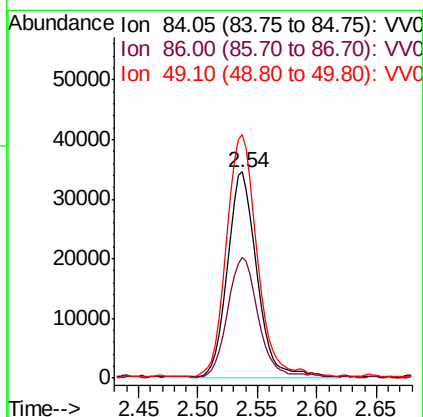
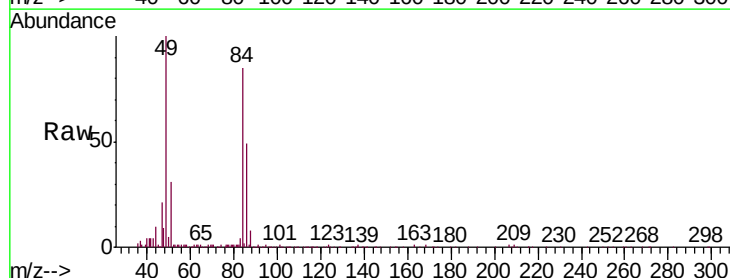
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

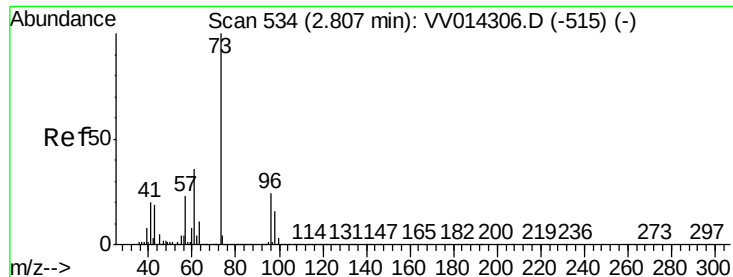
Tgt Ion: 43 Resp: 8174
Ion Ratio Lower Upper
43 100
74 9.2 18.6 28.0#



#16
Methylene chloride
Concen: 1.157 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Tgt Ion: 84 Resp: 58796
Ion Ratio Lower Upper
84 100
86 58.3 44.4 82.4
49 118.1 90.2 167.6





#17

Methyl tert-butyl Ether

Concen: 0.490 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

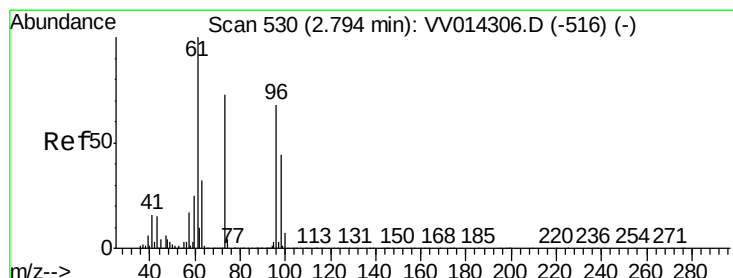
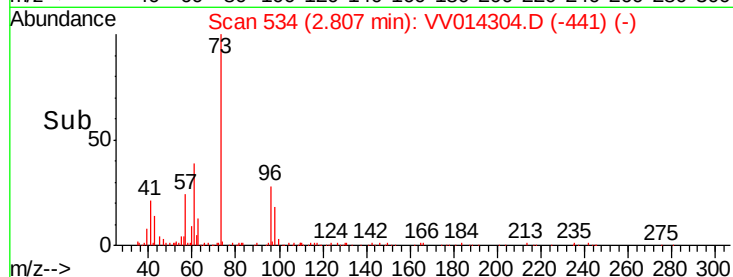
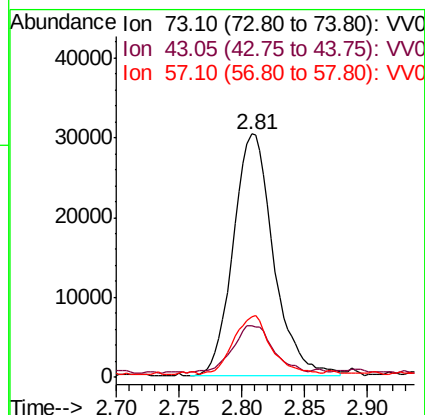
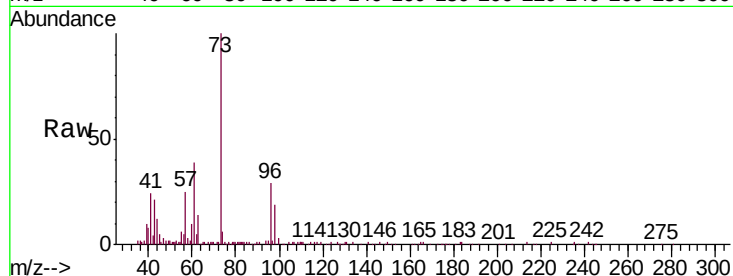
Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

Tgt Ion: 73 Resp: 67745

Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.4	23.0
57	22.8	18.3	27.5



#18

trans-1,2-Dichloroethene

Concen: 0.521 ug/L

RT: 2.79 min Scan# 529

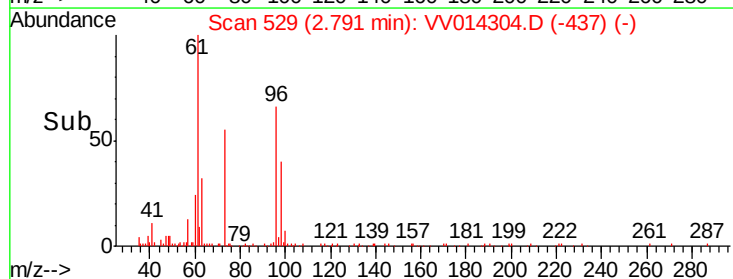
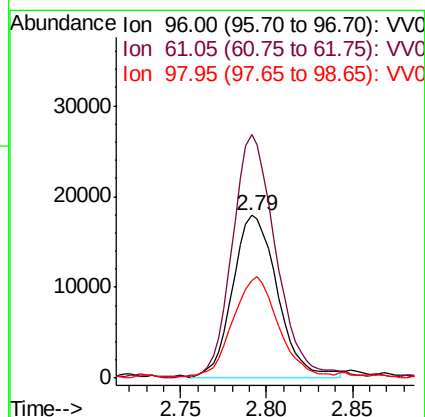
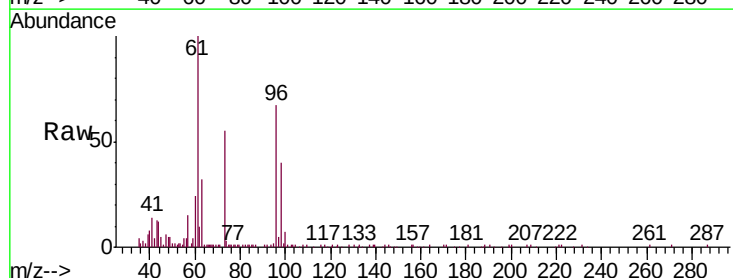
Delta R.T. -0.00 min

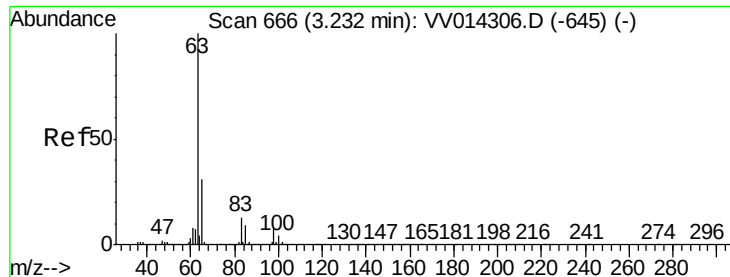
Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Tgt Ion: 96 Resp: 32716

Ion	Ratio	Lower	Upper
96	100		
61	149.8	102.9	191.1
98	59.8	45.8	85.0

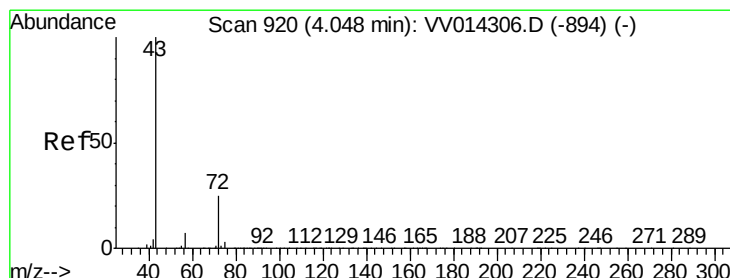
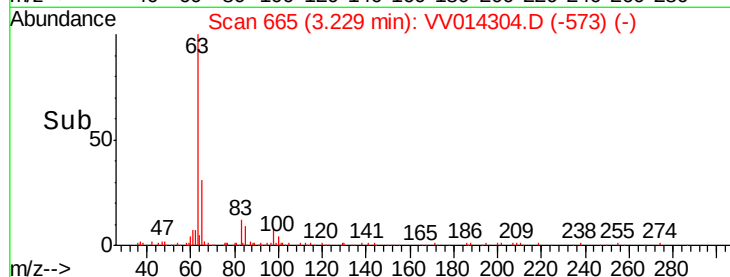
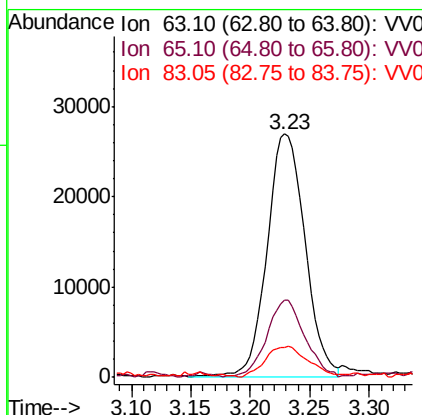
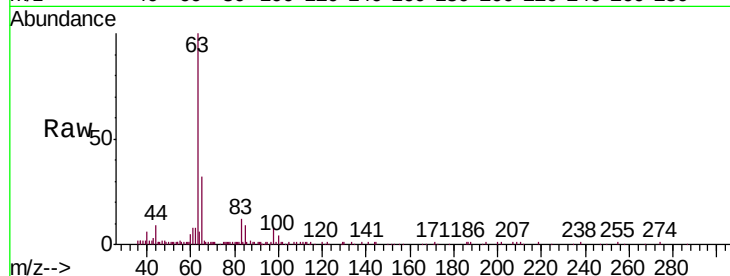




#19
 1,1-Dichloroethane
 Concen: 0.523 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

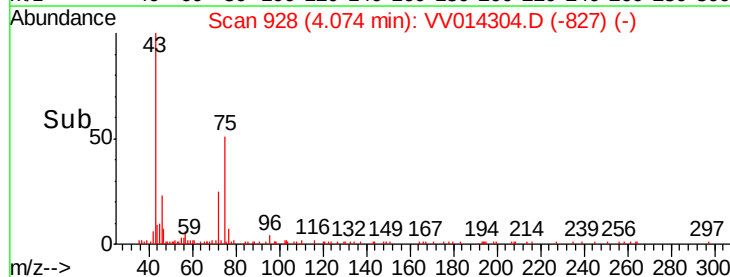
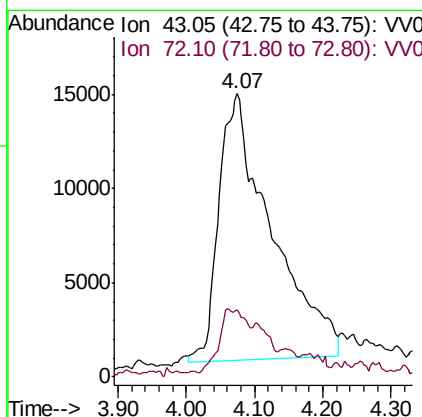
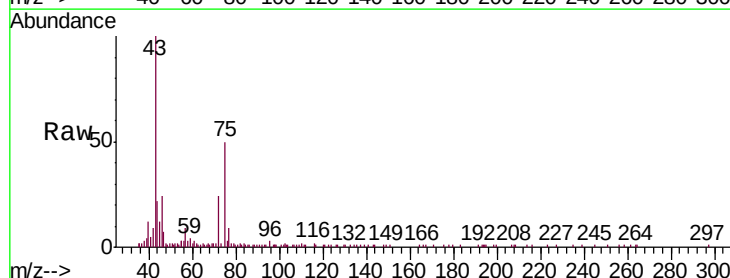
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5361

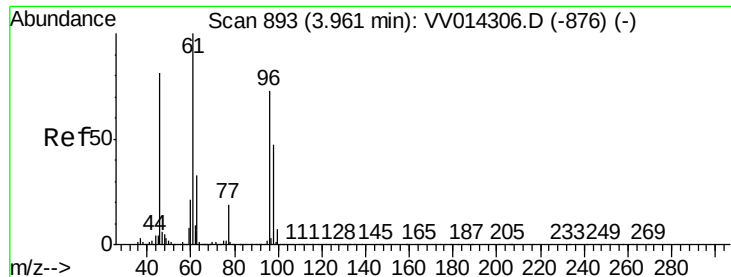
Tgt Ion:	63	Resp:	59117
Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.6	40.0
83	12.5	9.0	16.8



#21
 2-Butanone
 Concen: 5.604 ug/L
 RT: 4.07 min Scan# 928
 Delta R.T. 0.03 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Tgt Ion:	43	Resp:	75849
Ion	Ratio	Lower	Upper
43	100		
72	6.2	12.2	36.6#



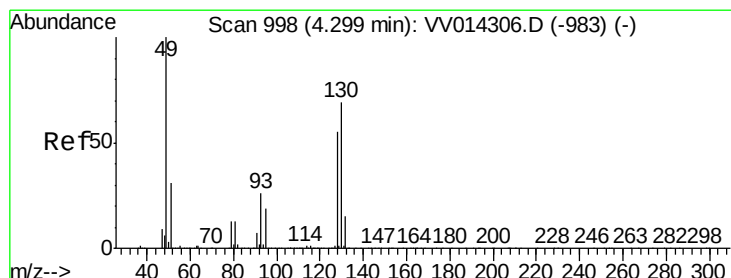
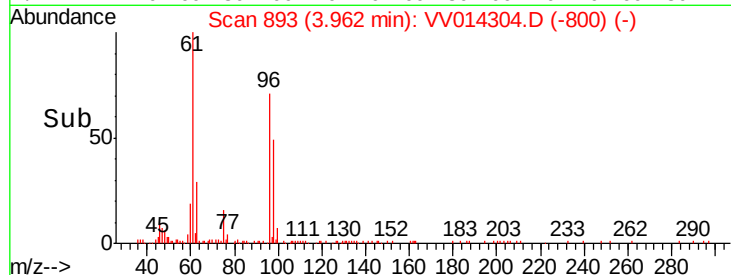
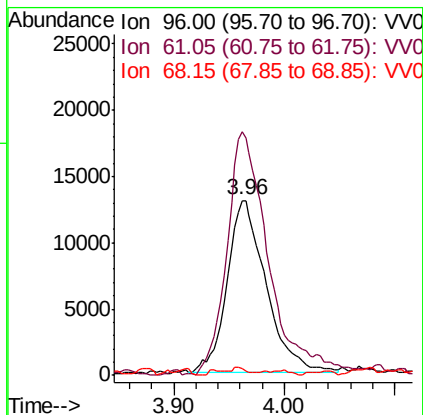
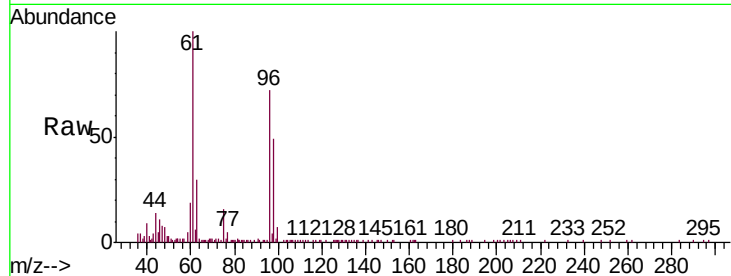


#22

cis-1,2-Dichloroethene
Concen: 0.478 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

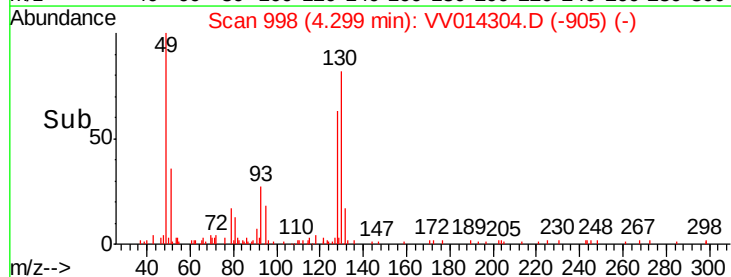
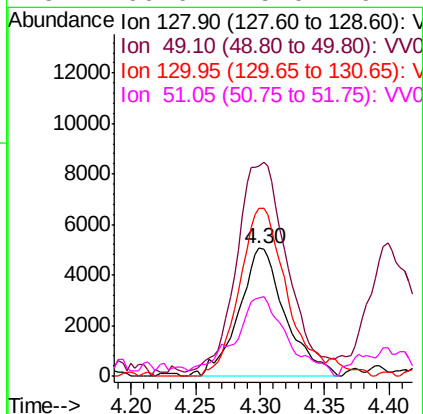
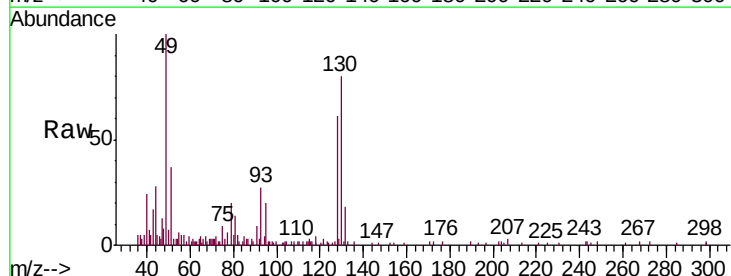
Tgt Ion: 96 Resp: 32068
Ion Ratio Lower Upper
96 100
61 139.2 95.5 177.3
68 4.1 0.1 0.3#

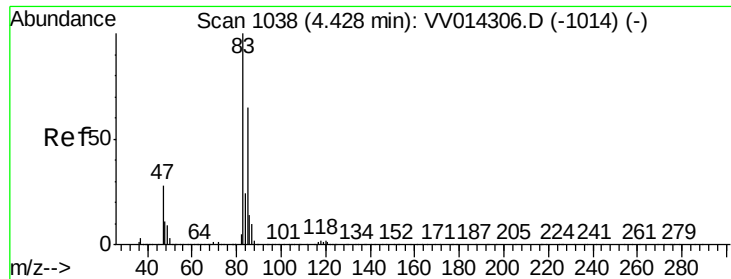


#23

Bromochloromethane
Concen: 0.445 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Tgt Ion: 128 Resp: 12669
Ion Ratio Lower Upper
128 100
49 164.2 127.5 236.7
130 130.7 87.5 162.5
51 60.6 45.0 67.4

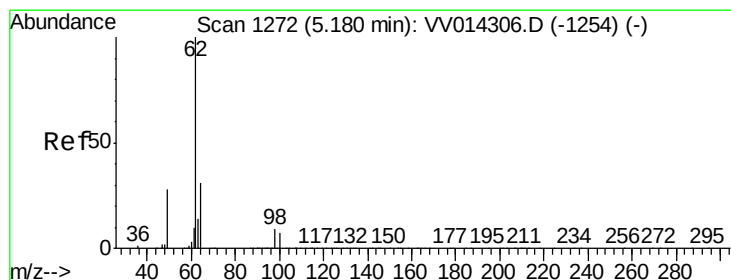
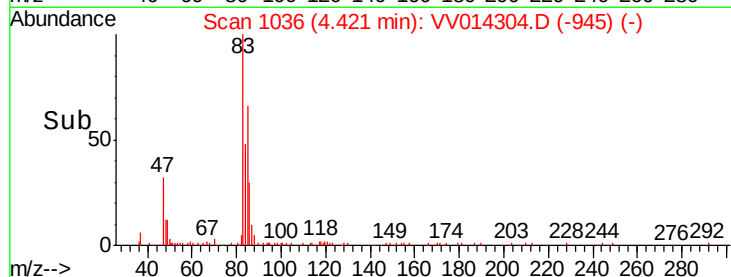
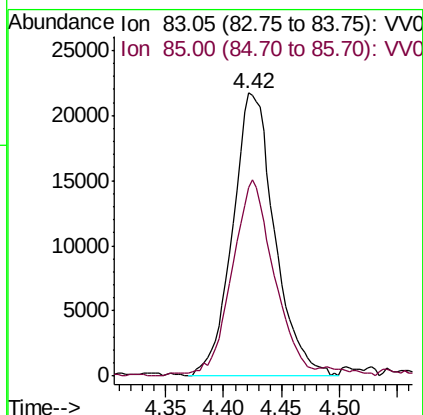
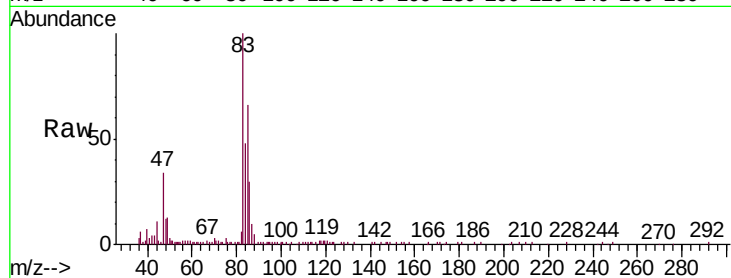




#25
Chloroform
Concen: 0.401 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

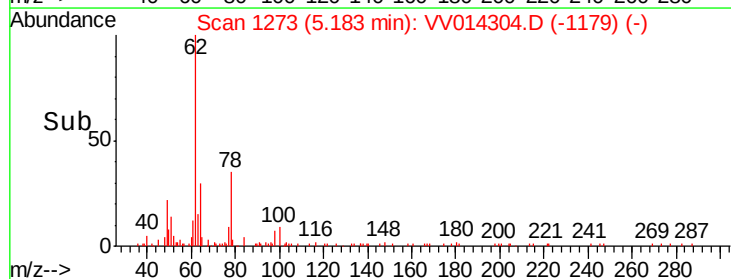
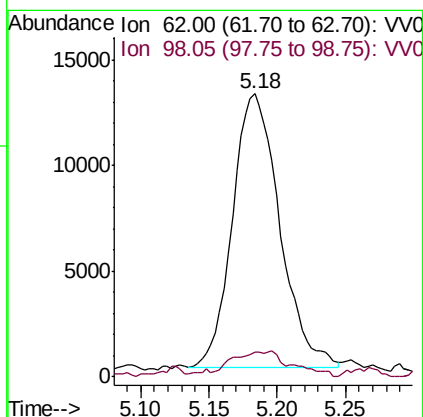
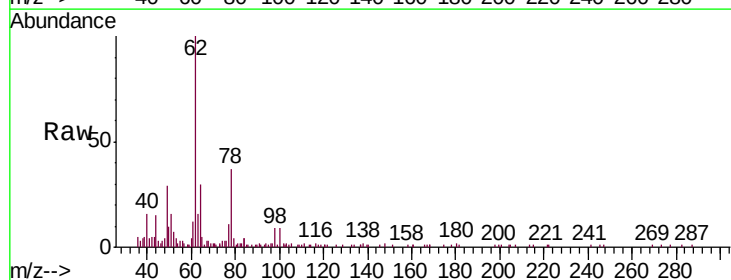
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

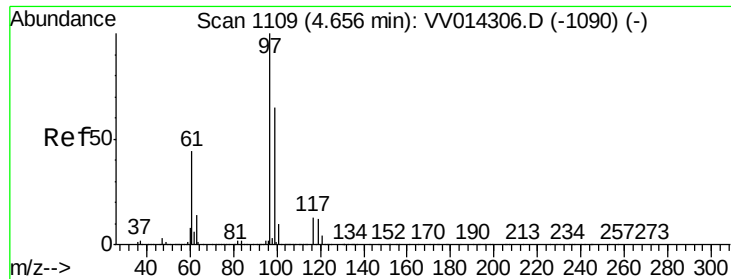
Tgt Ion: 83 Resp: 54675
Ion Ratio Lower Upper
83 100
85 66.4 45.2 84.0



#27
1,2-Dichloroethane
Concen: 0.411 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Tgt Ion: 62 Resp: 31087
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7

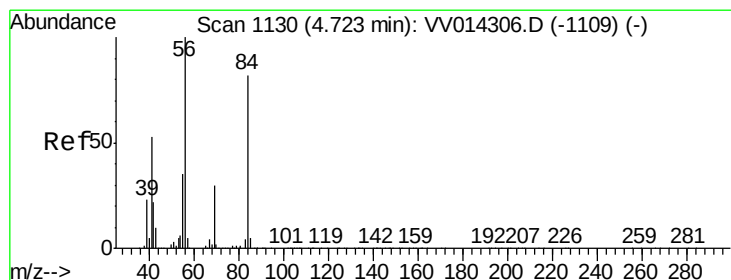
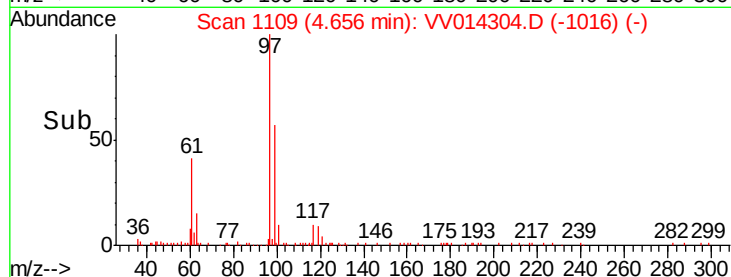
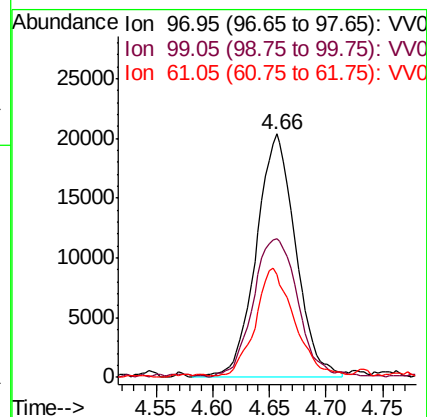
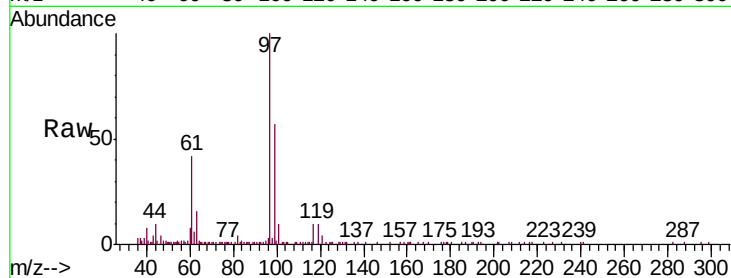




#29
1,1,1-Trichloroethane
Concen: 0.475 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

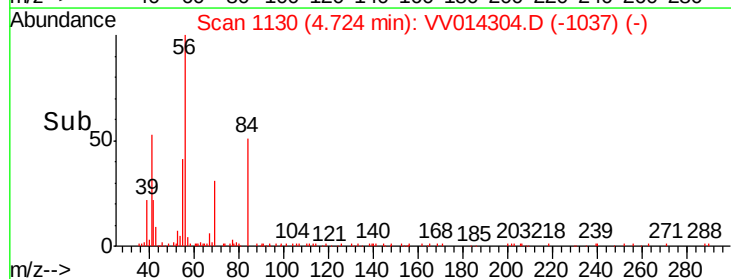
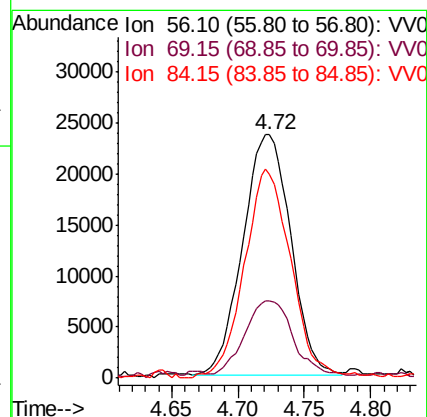
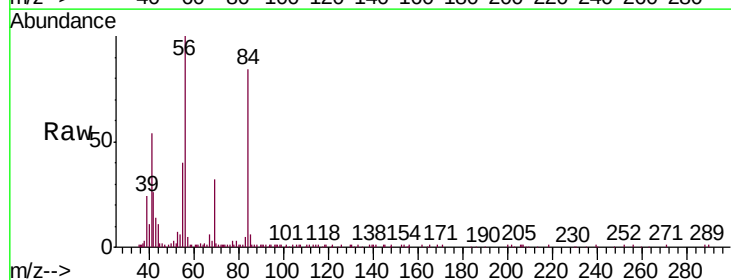
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

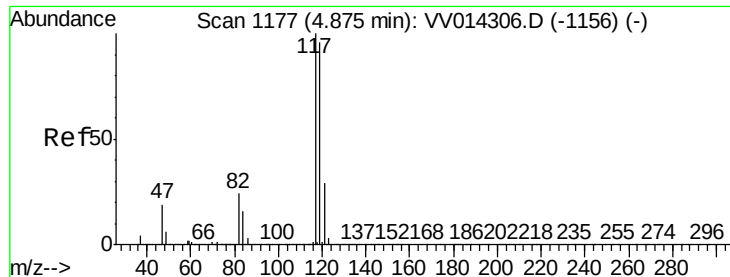
Tgt Ion: 97 Resp: 49290
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 42.8 34.2 51.4



#30
Cyclohexane
Concen: 0.621 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Tgt Ion: 56 Resp: 59266
Ion Ratio Lower Upper
56 100
69 31.0 24.4 36.6
84 84.9 65.8 98.8





#31

Carbon tetrachloride

Concen: 0.451 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

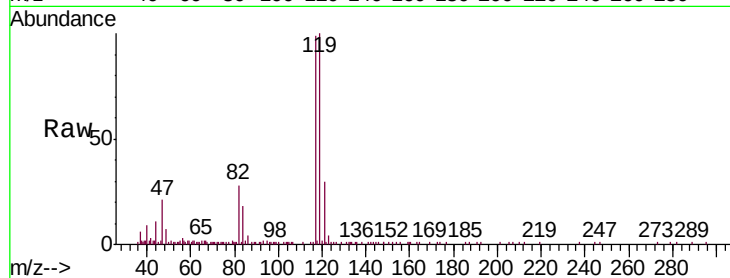
VSTD0.5361

Tgt Ion:117 Resp: 41521

Ion Ratio Lower Upper

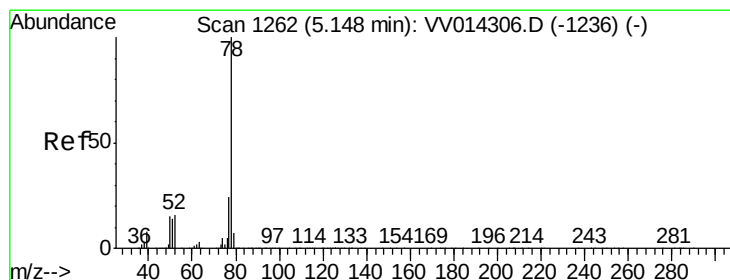
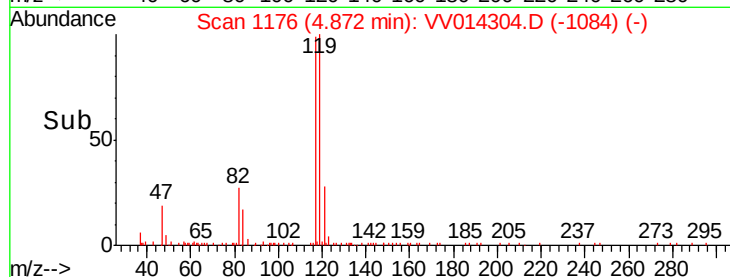
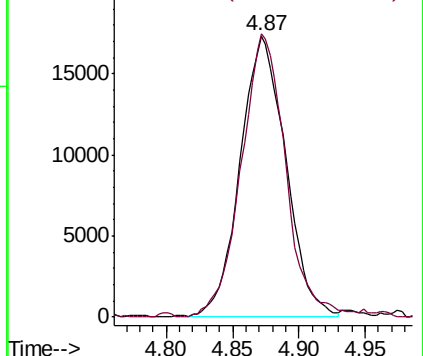
117 100

119 98.5 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.548 ug/L

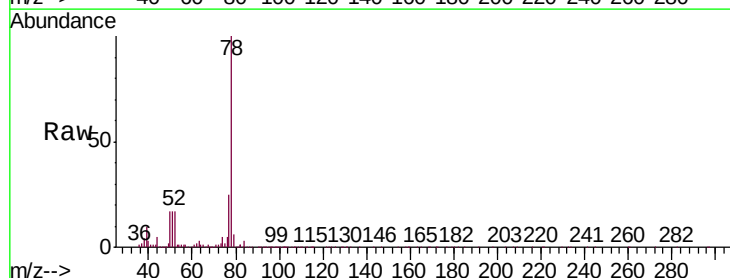
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

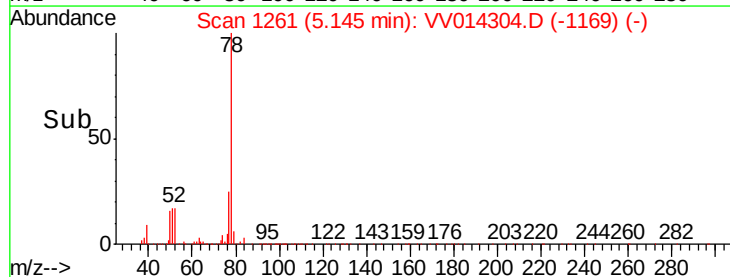
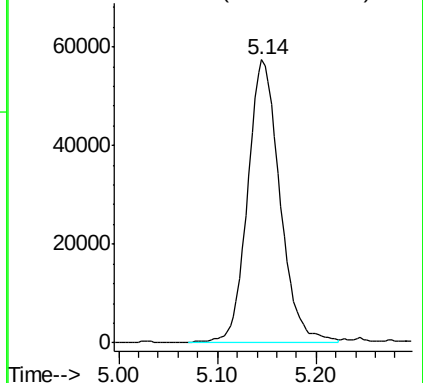
Lab File: VV014304.D

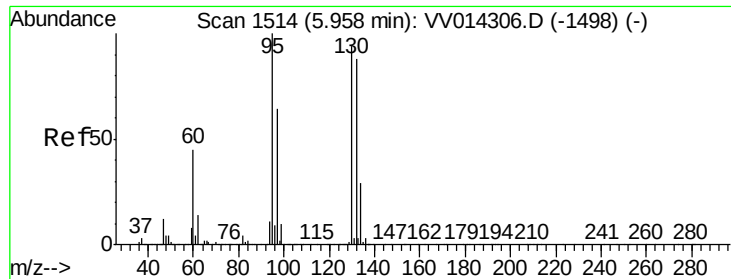
Acq: 15 Jan 2020 09:22

Tgt Ion: 78 Resp: 128982



Abundance Ion 78.10 (77.80 to 78.80): VV0

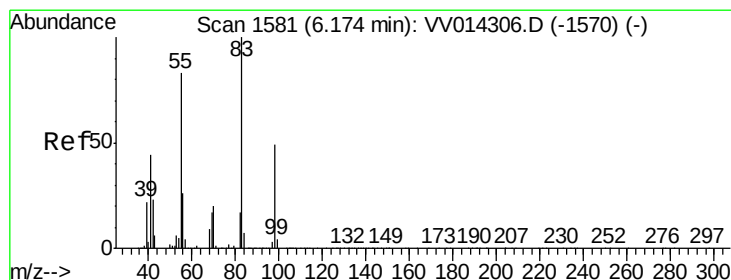
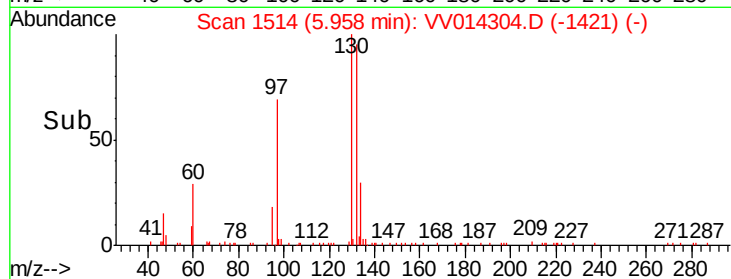
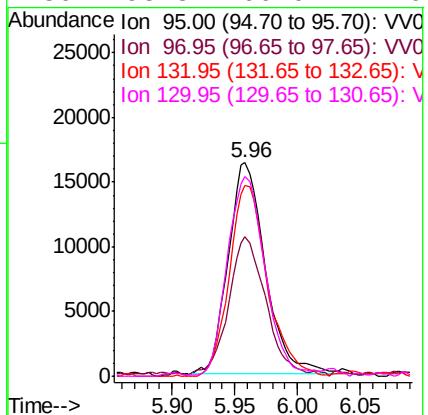
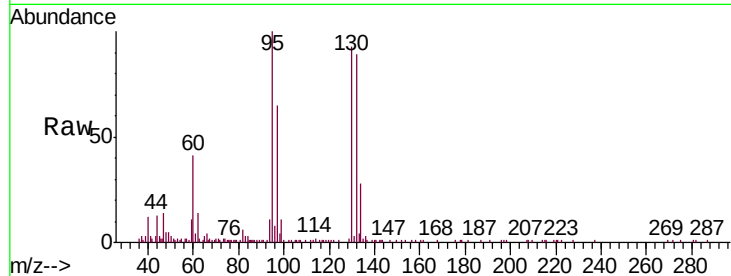




#34
 Trichloroethene
 Concen: 0.511 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

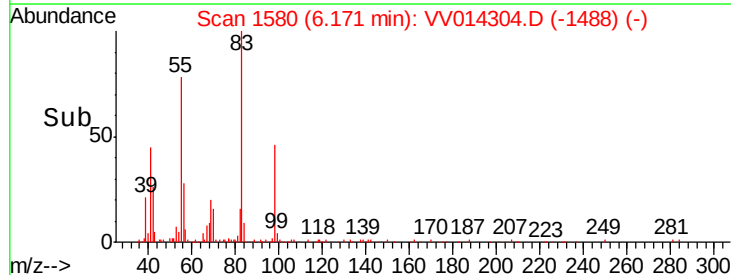
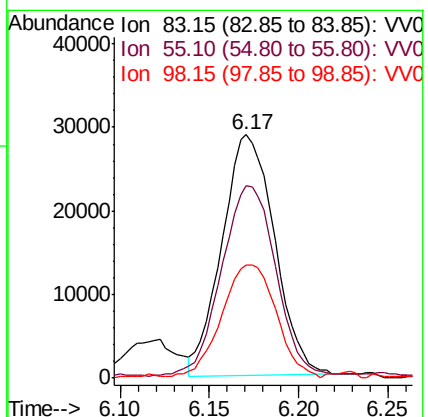
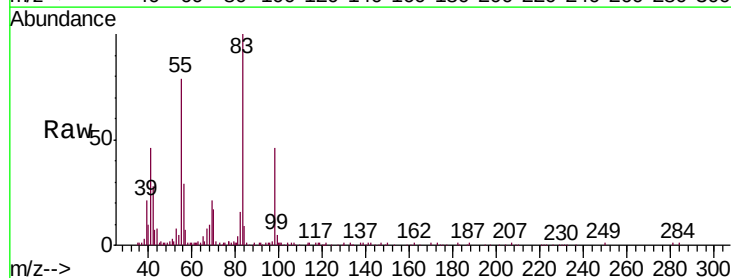
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5361

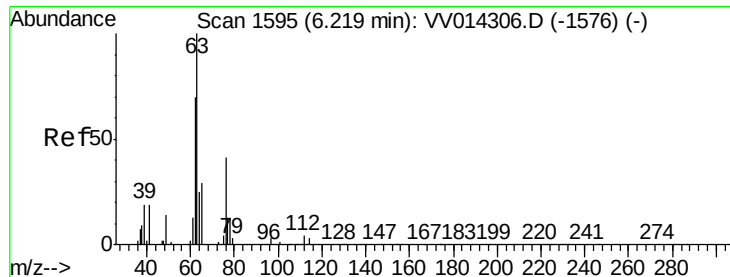
Tgt Ion:	95	Resp:	33693
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.5	82.7
132	89.2	61.7	114.7
130	93.3	66.0	122.6



#35
 Methylcyclohexane
 Concen: 0.558 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Tgt Ion:	83	Resp:	59049
Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.5	98.3
98	49.1	38.3	57.5





#37

1,2-Dichloropropane

Concen: 0.561 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

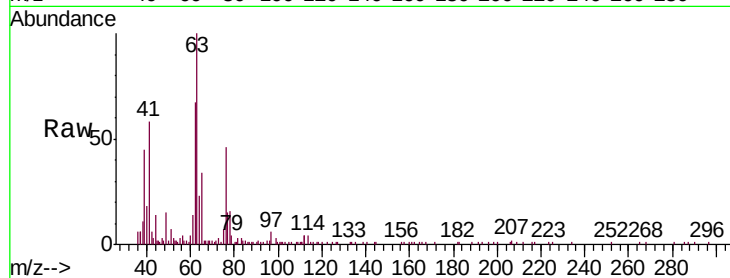
VSTD0.5361

Tgt Ion: 63 Resp: 30939

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VV014306.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV014306.D (-1576) (-)

6.22

15000

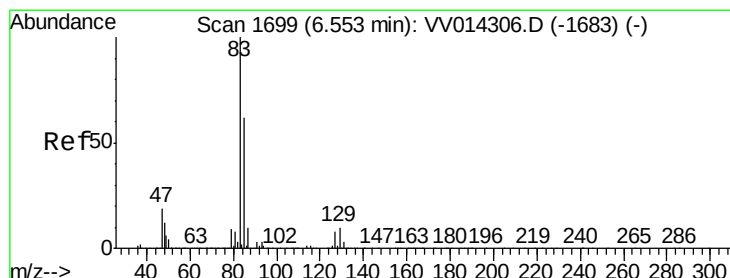
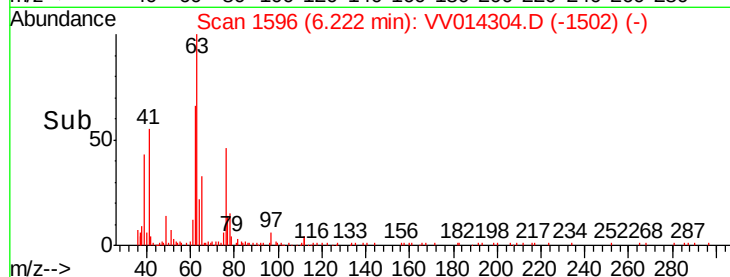
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.511 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

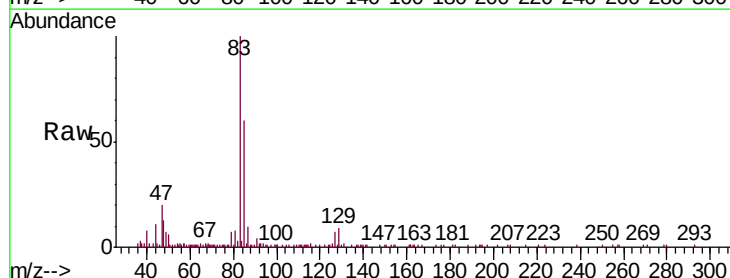
Tgt Ion: 83 Resp: 39004

Ion Ratio Lower Upper

83 100

85 59.9 43.5 80.9

127 6.8 6.8 10.2#



Abundance Ion 82.95 (82.65 to 83.65): VV014306.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV014306.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV014306.D (-1683) (-)

6.55

25000

20000

15000

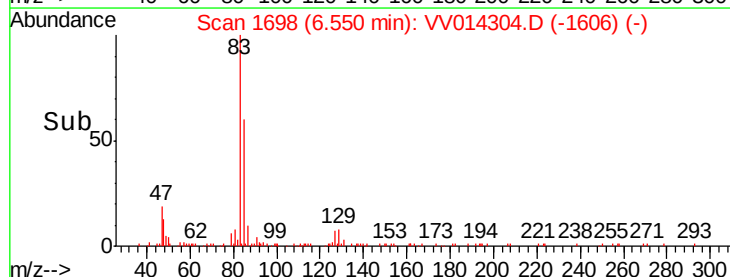
10000

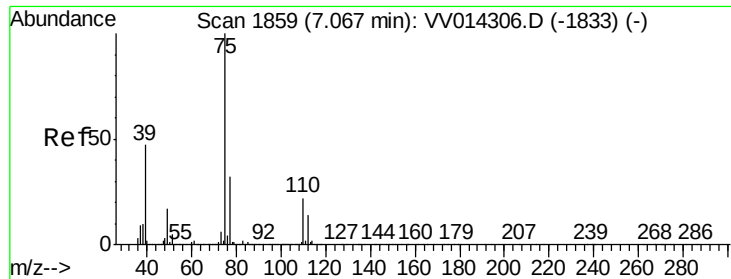
5000

0

6.50 6.55 6.60 6.65

Time-->



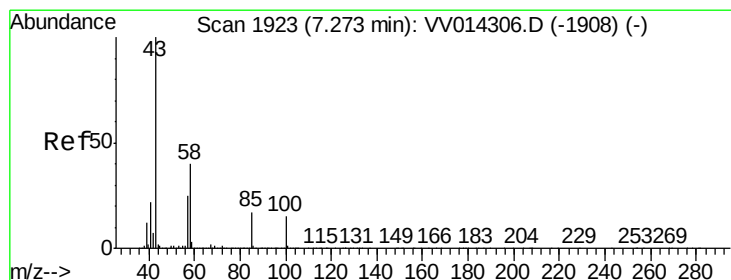
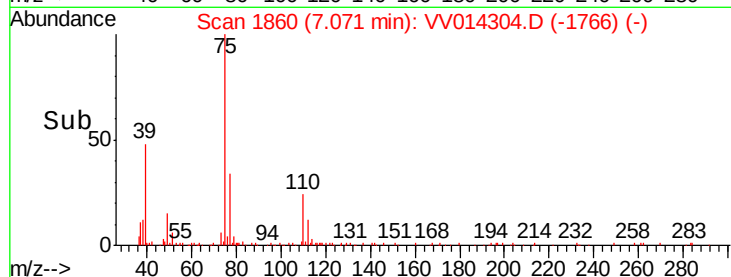
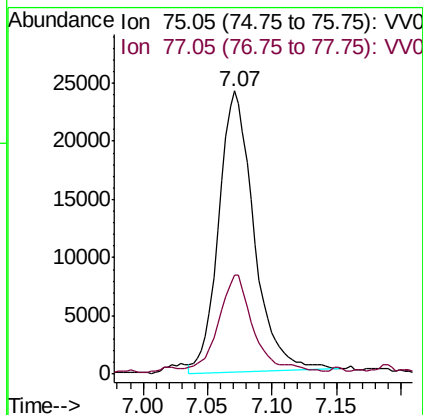
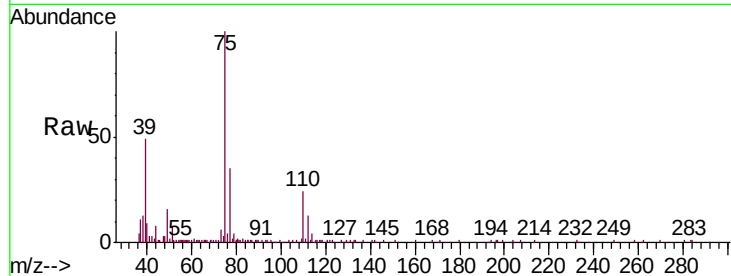


#39

cis-1,3-Dichloropropene
 Concen: 0.526 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5361

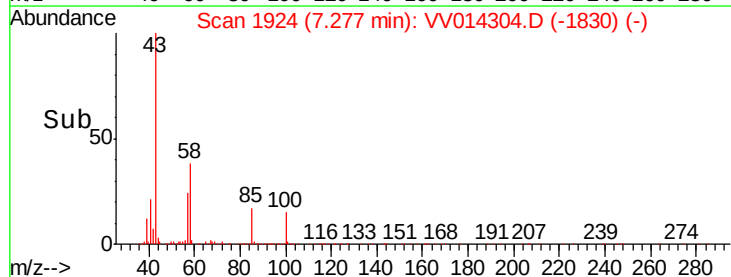
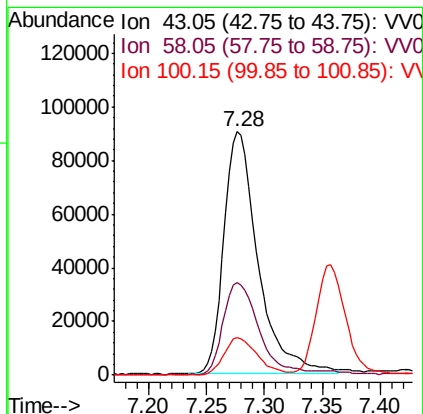
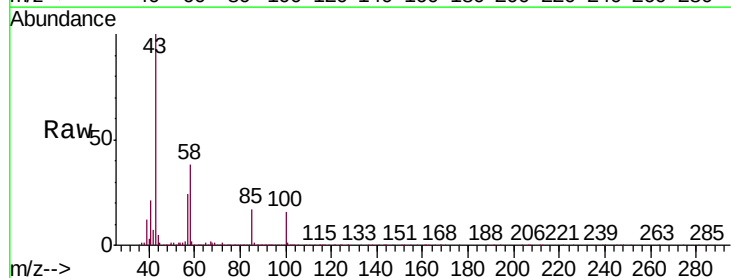
Tgt Ion: 75 Resp: 45580
 Ion Ratio Lower Upper
 75 100
 77 35.2 22.2 41.2

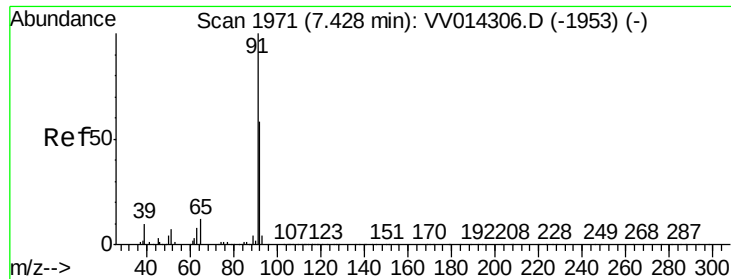


#40

4-Methyl-2-pentanone
 Concen: 5.830 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Tgt Ion: 43 Resp: 184769
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.3 46.9
 100 14.5 11.7 17.5





#42

Toluene

Concen: 0.543 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

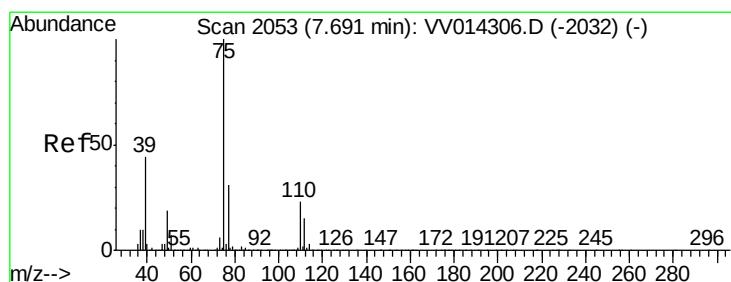
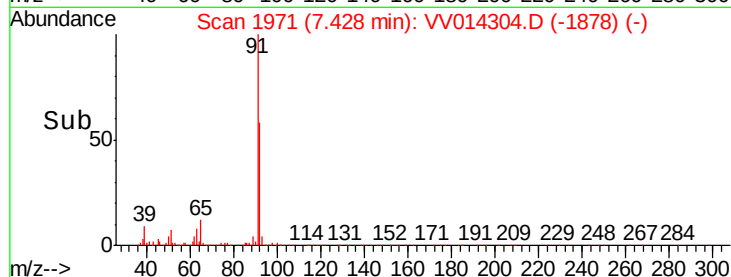
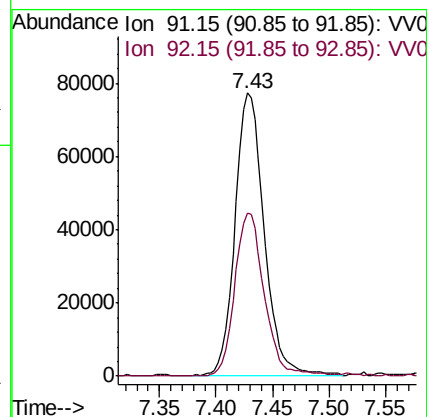
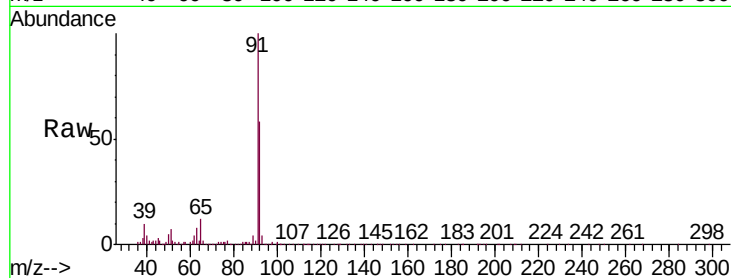
VSTD0.5361

Tgt Ion: 91 Resp: 139871

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.543 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV014304.D

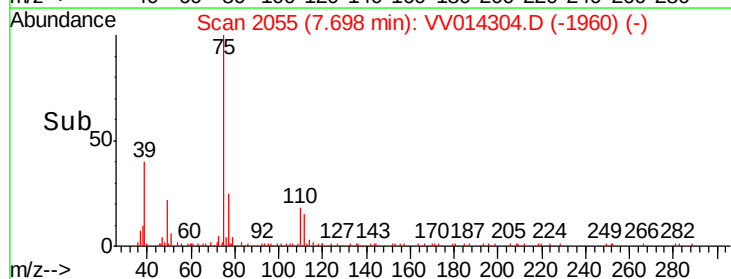
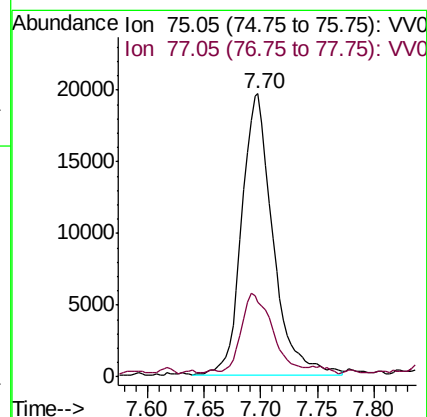
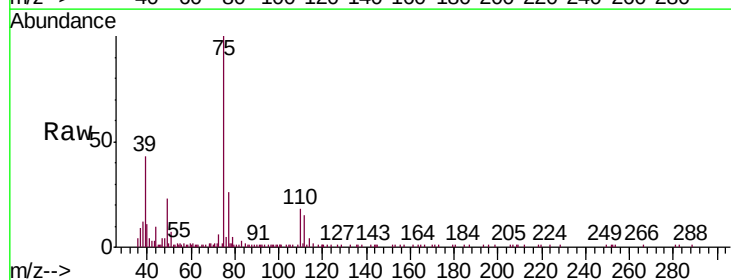
Acq: 15 Jan 2020 09:22

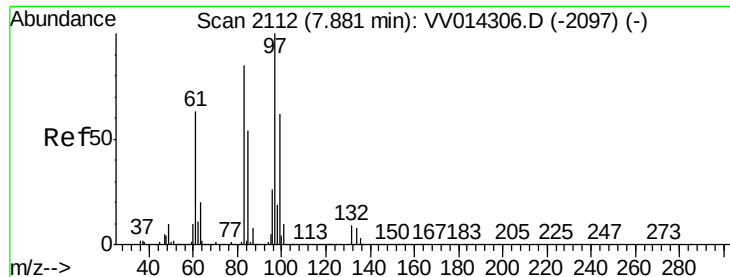
Tgt Ion: 75 Resp: 37590

Ion Ratio Lower Upper

75 100

77 26.2 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 0.484 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5361

Tgt Ion: 97 Resp: 19596

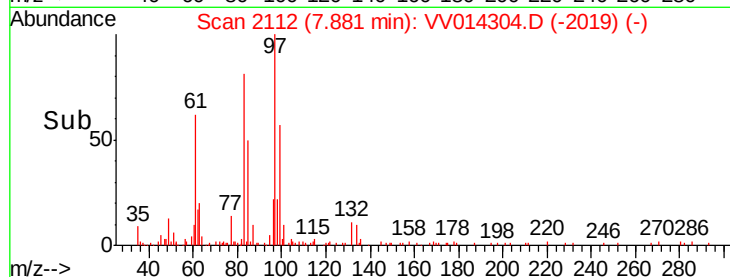
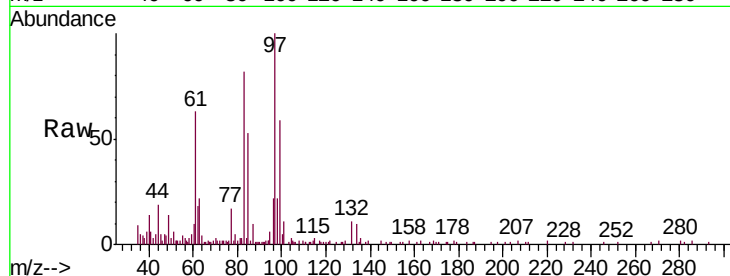
Ion Ratio Lower Upper

97 100

99 58.9 43.2 80.2

83 82.5 59.7 110.9

85 52.8 38.0 70.6

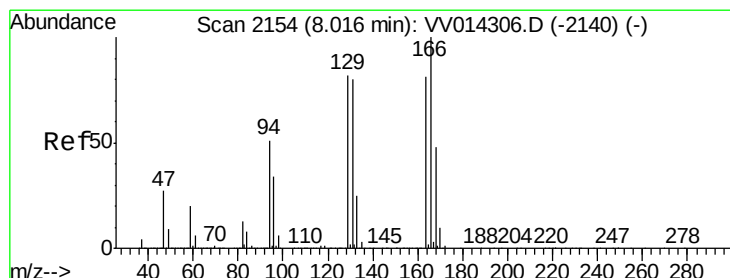
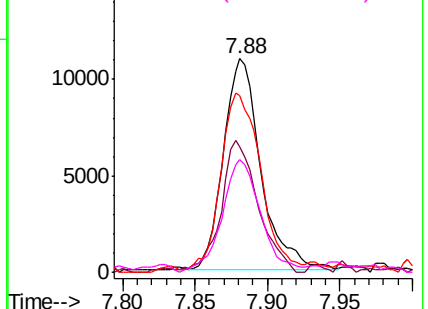


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.417 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Tgt Ion: 164 Resp: 22802

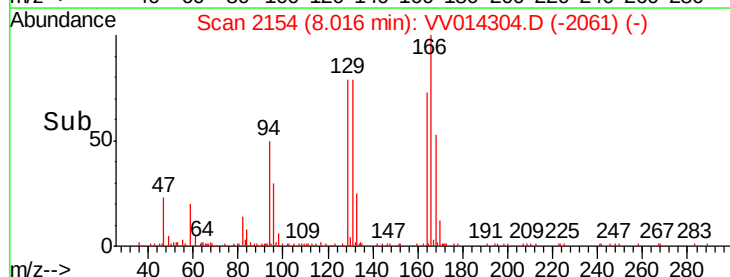
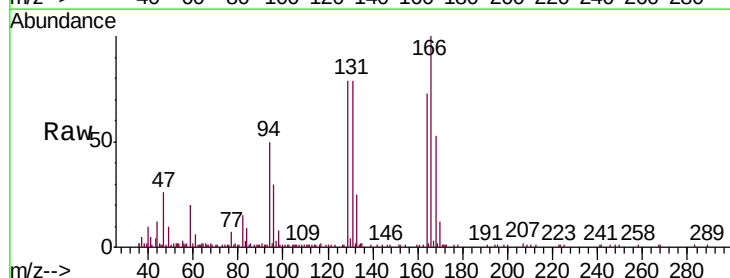
Ion Ratio Lower Upper

164 100

129 108.7 70.6 131.0

131 108.4 68.7 127.5

166 137.8 86.0 159.8

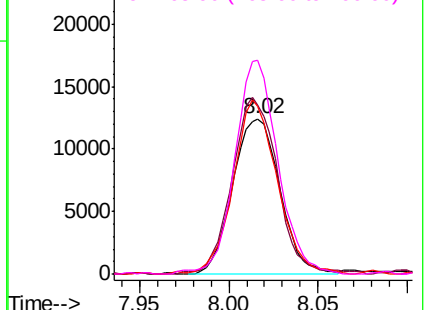


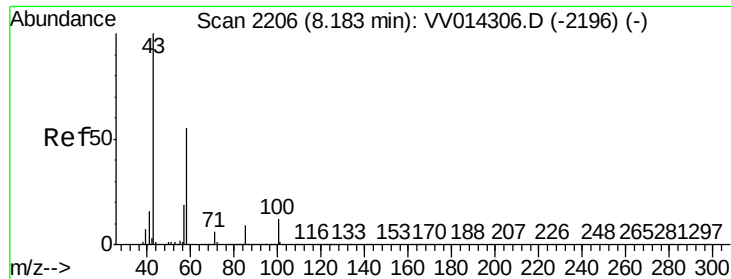
Abundance Ion 163.90 (163.60 to 164.60): V

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

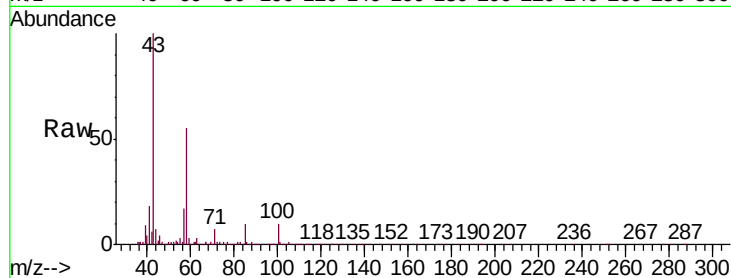




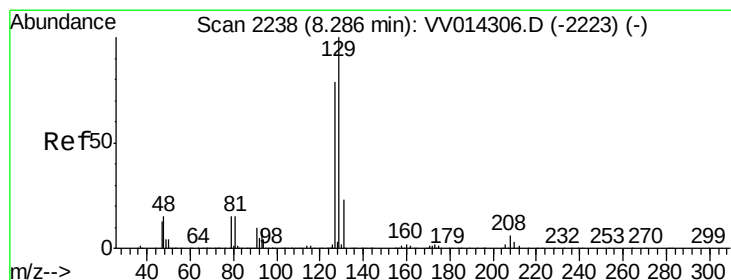
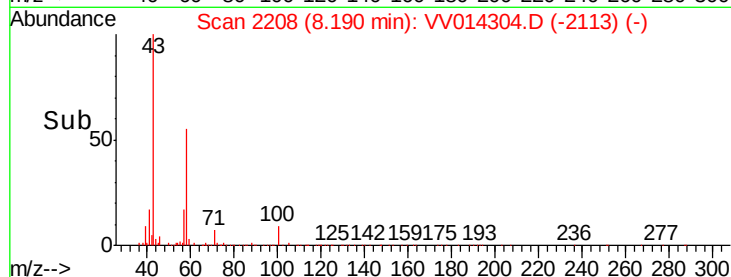
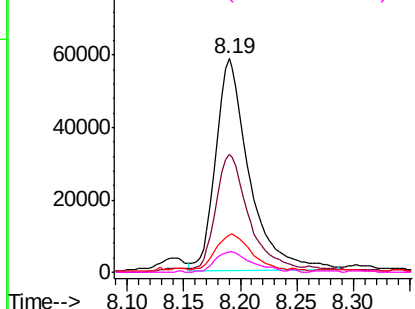
#48
2-Hexanone
Concen: 5.408 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

Tgt Ion:	43	Resp:	120594
Ion	Ratio	Lower	Upper
43	100		
58	57.1	43.9	65.9
57	16.5	14.9	22.3
100	10.4	9.2	13.8

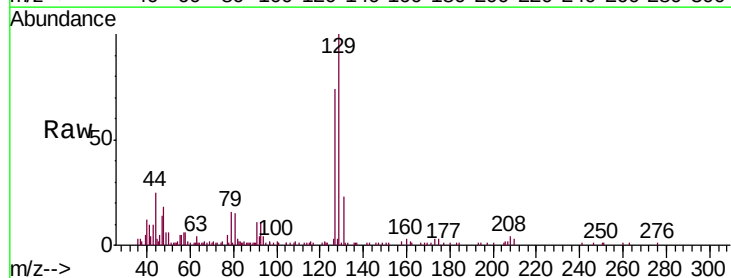


Abundance Ion 43.05 (42.75 to 43.75): VV014306.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV014306.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV014306.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV014306.D (-2196) (-)

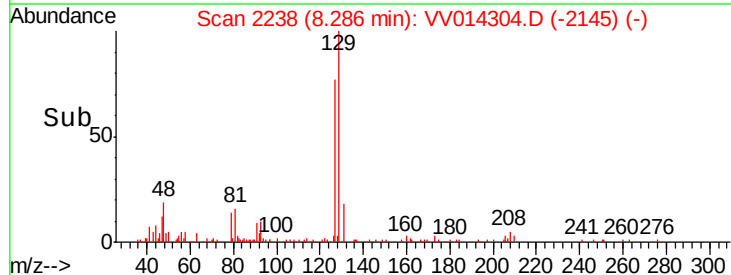
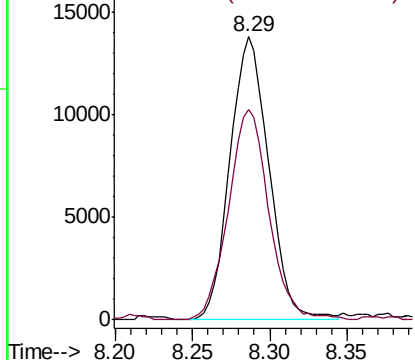


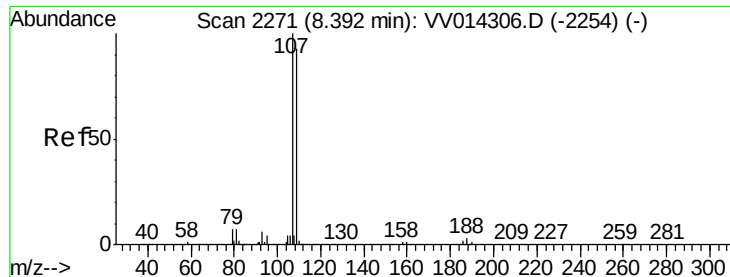
#49
Dibromochloromethane
Concen: 0.485 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Tgt Ion:	129	Resp:	24045
Ion	Ratio	Lower	Upper
129	100		
127	74.2	55.4	102.8



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

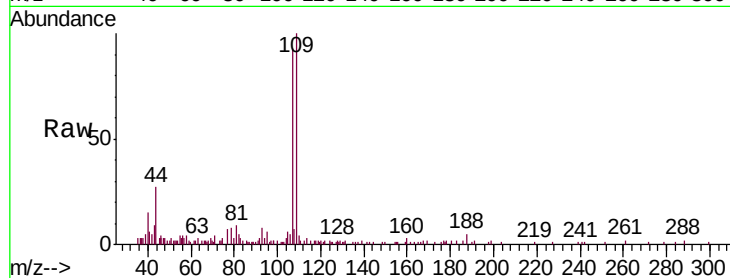




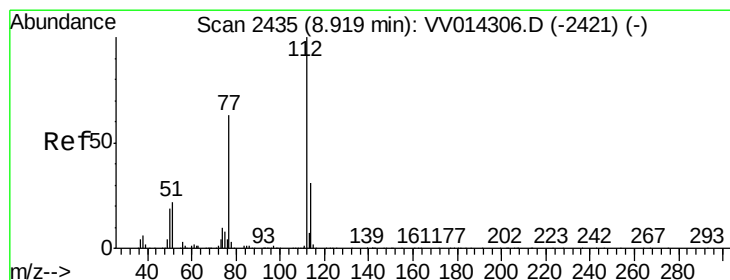
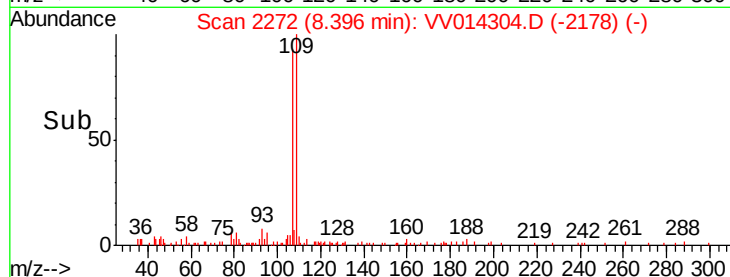
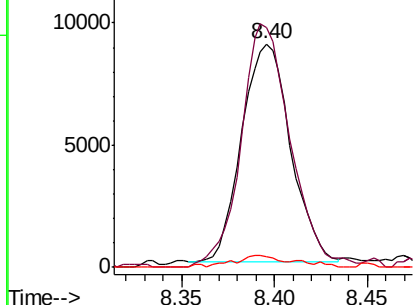
#50
 1,2-Dibromoethane
 Concen: 0.433 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5361

Tgt Ion	Ratio	Lower	Upper
107	100		
109	107.5	65.2	121.2
188	5.0	2.6	3.8#

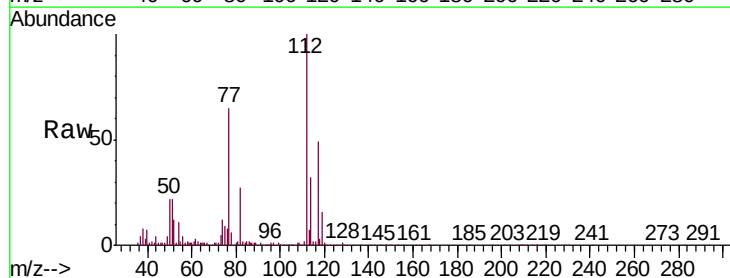


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

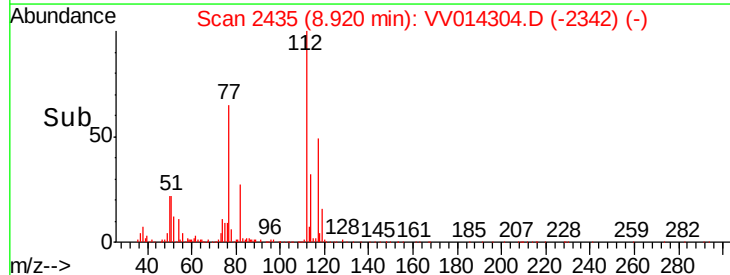
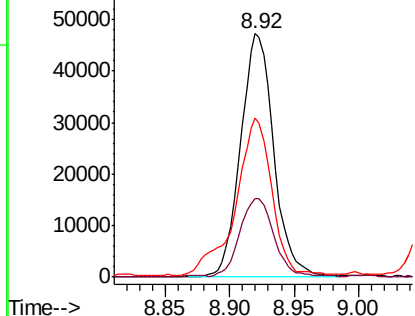


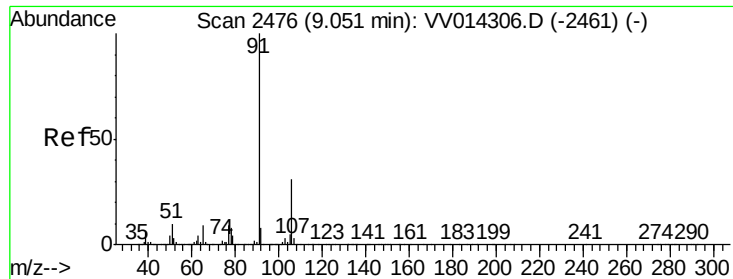
#51
 Chlorobenzene
 Concen: 0.499 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.5	39.9
77	65.2	51.0	76.4



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): VV0





#52

Ethylbenzene

Concen: 0.518 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

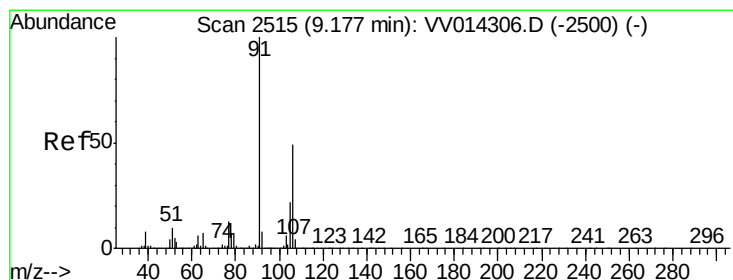
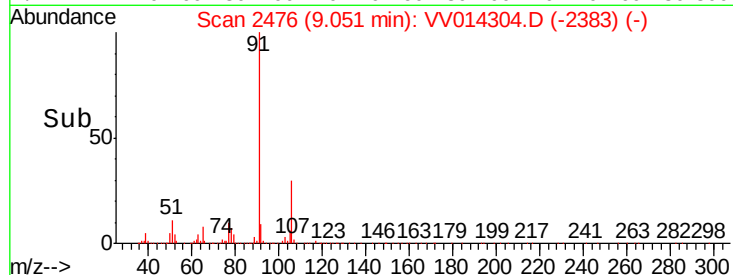
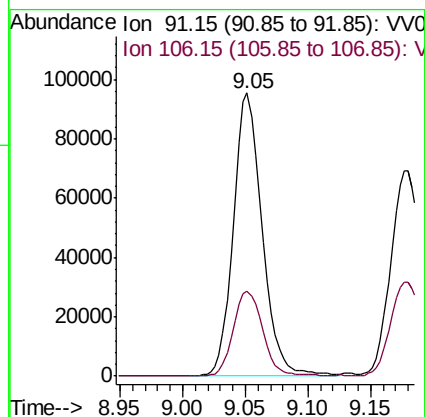
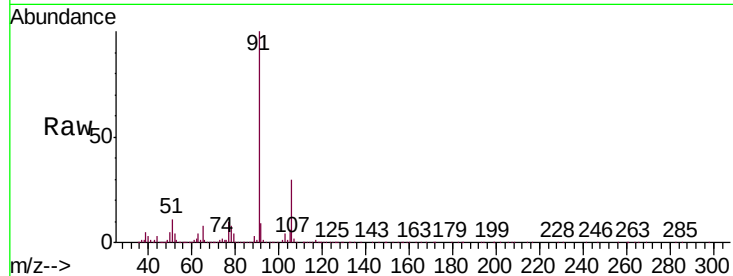
VSTD0.5361

Tgt Ion: 91 Resp: 152528

Ion Ratio Lower Upper

91 100

106 29.9 21.5 39.9



#53

m,p-xylene

Concen: 0.524 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014304.D

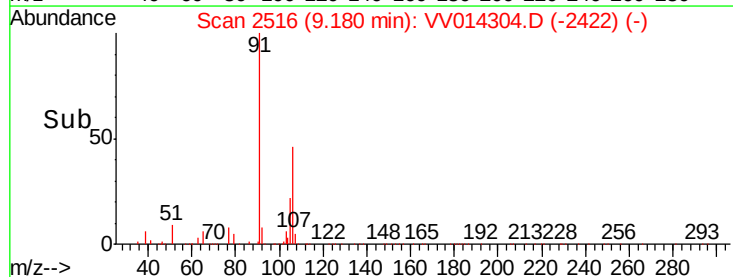
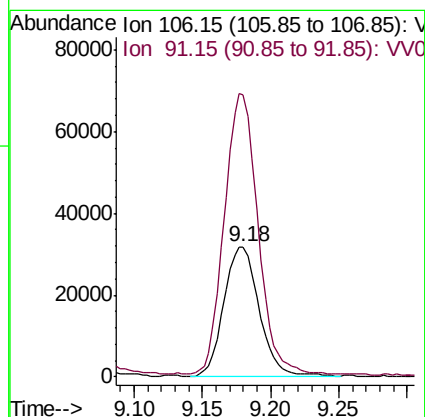
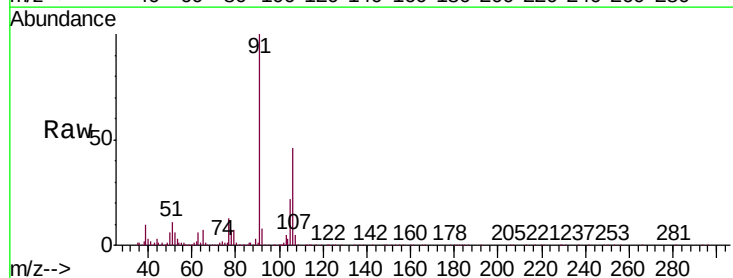
Acq: 15 Jan 2020 09:22

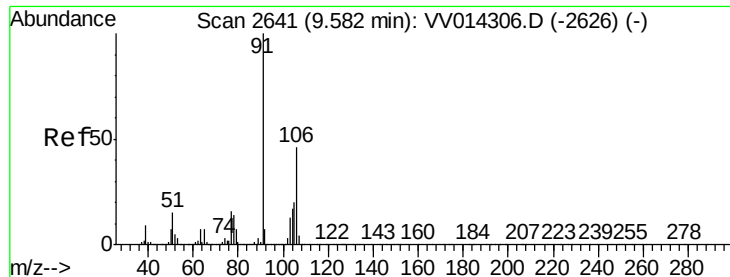
Tgt Ion: 106 Resp: 57957

Ion Ratio Lower Upper

106 100

91 217.0 143.6 266.6





#54

o-xylene

Concen: 0.522 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

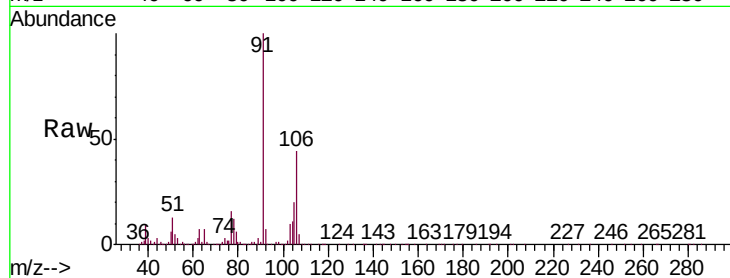
VSTD0.5361

Tgt Ion:106 Resp: 55342

Ion Ratio Lower Upper

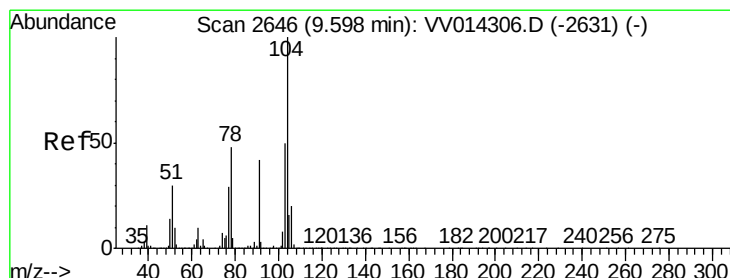
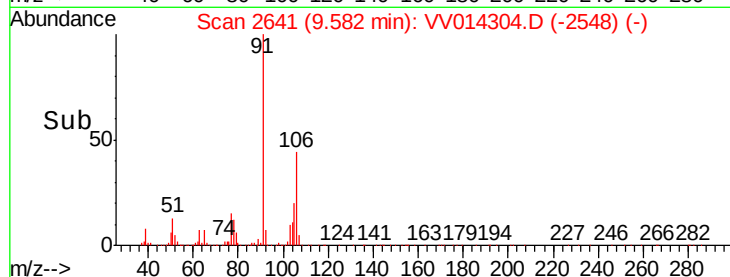
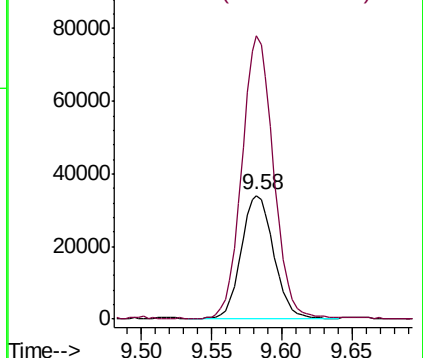
106 100

91 228.4 153.0 284.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.501 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014304.D

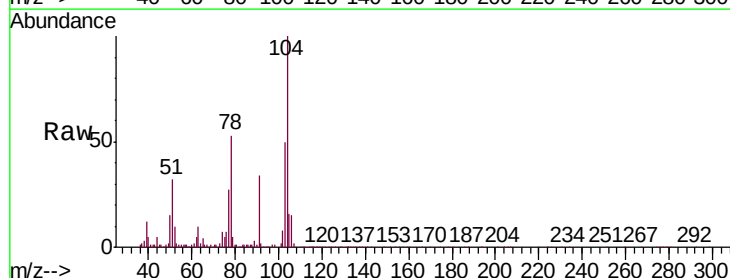
Acq: 15 Jan 2020 09:22

Tgt Ion:104 Resp: 88771

Ion Ratio Lower Upper

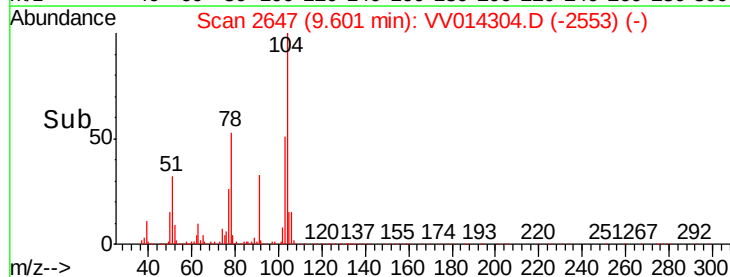
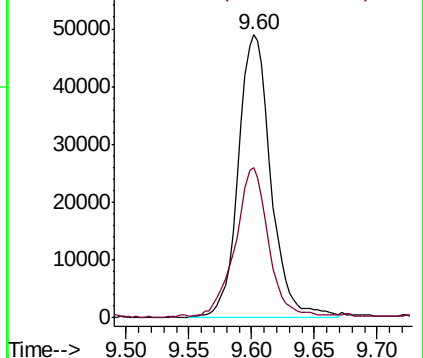
104 100

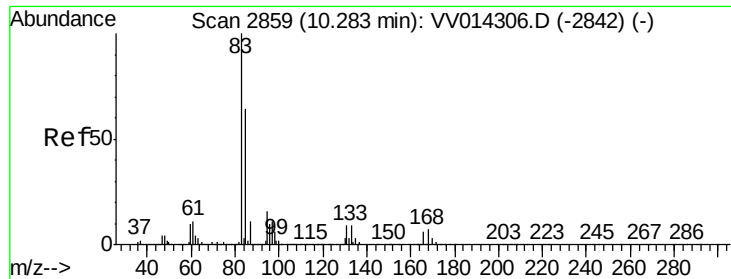
78 53.2 33.8 62.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

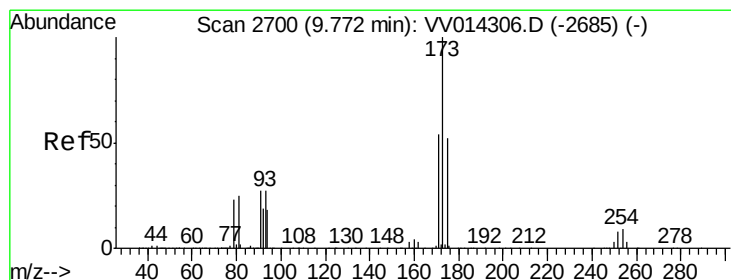
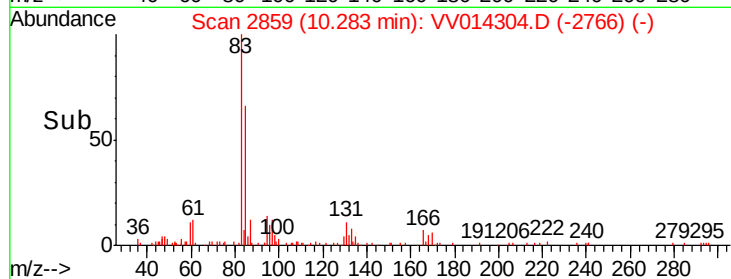
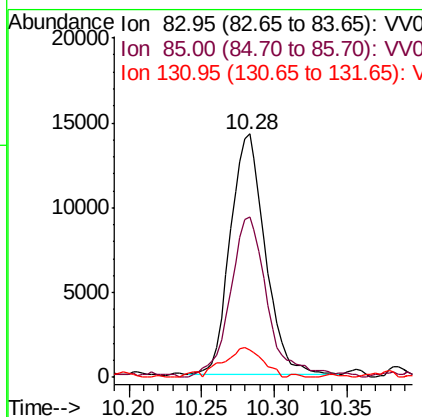
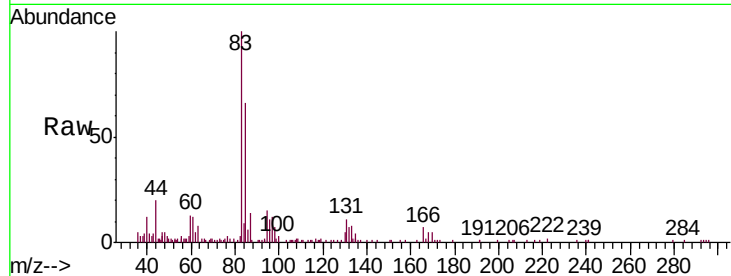




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.525 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

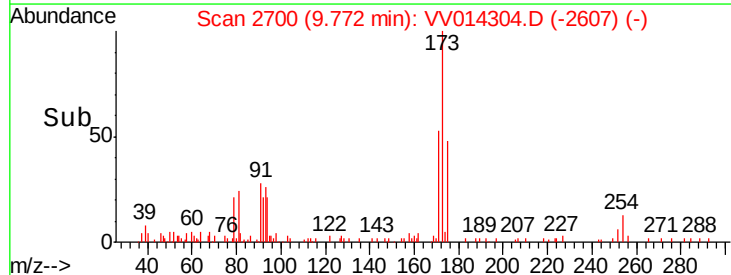
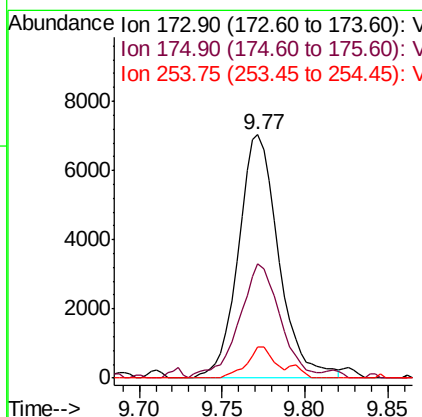
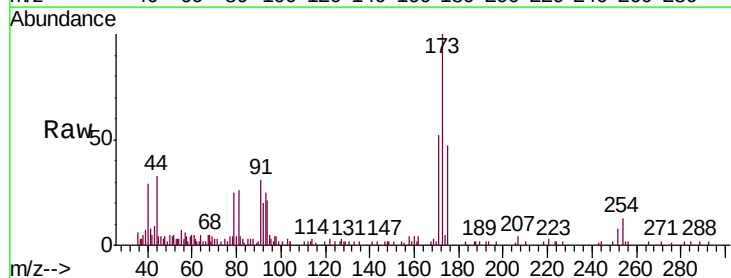
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5361

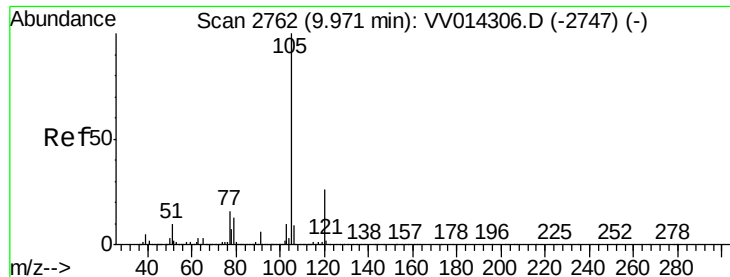
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	45.1	83.9
131	11.3	7.0	10.6



#59
 Bromoform
 Concen: 0.493 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	40.4	60.6
254	8.7	7.2	10.8





#60

Isopropylbenzene

Concen: 0.555 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5361

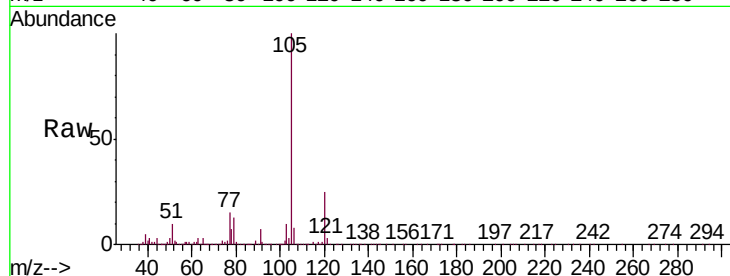
Tgt Ion: 105 Resp: 145003

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

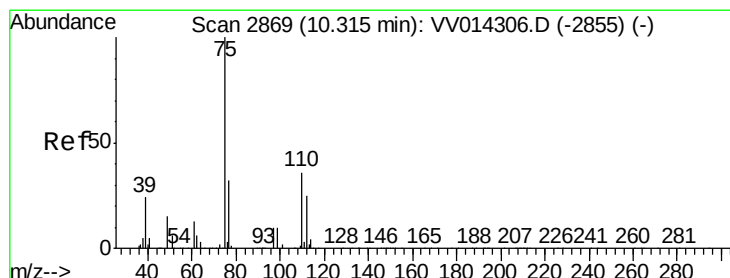
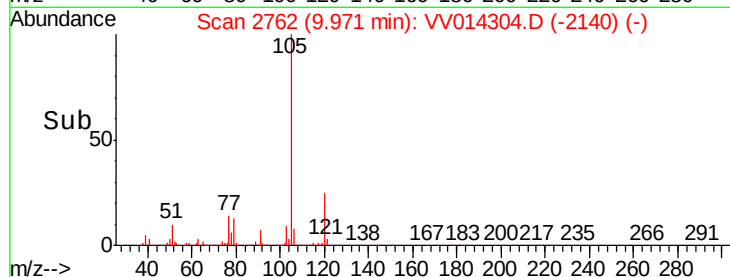
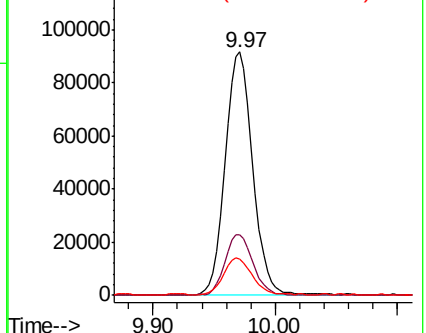
77 15.6 12.7 19.1



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: 0.564 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

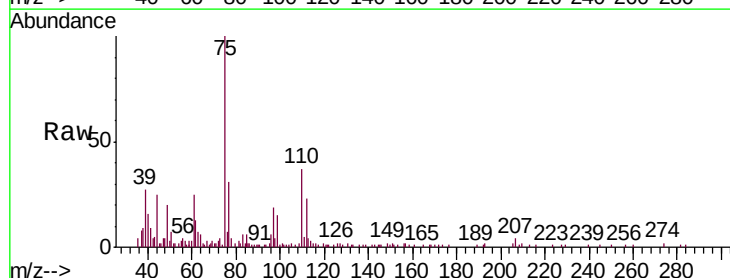
Tgt Ion: 75 Resp: 17185

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4

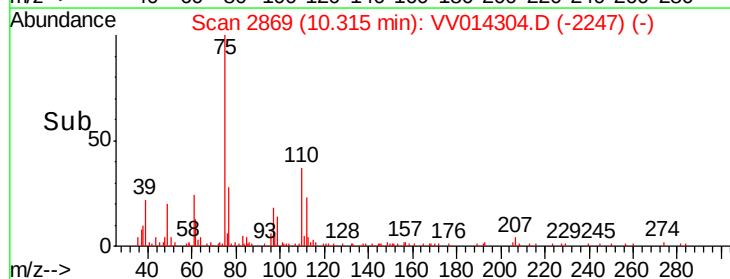
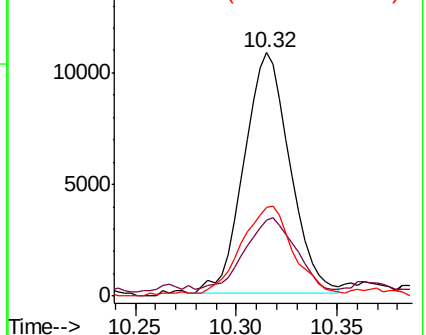
110 43.0 29.8 44.6

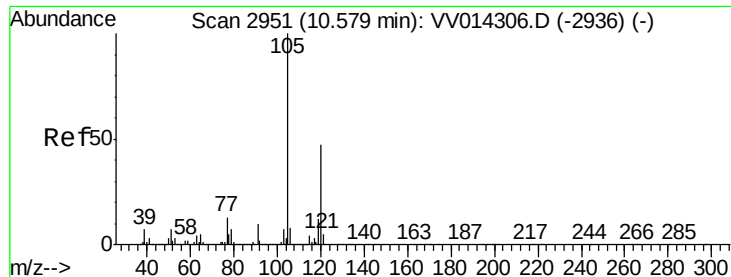


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

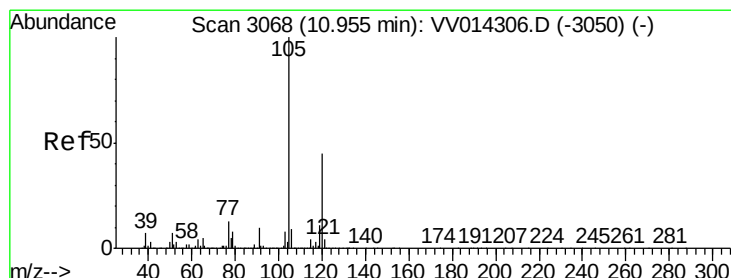
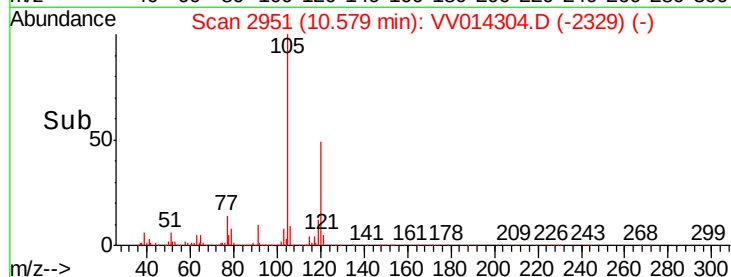
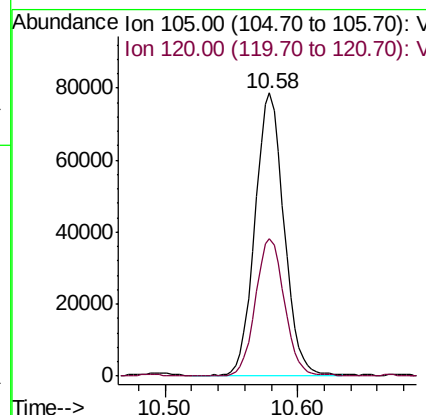
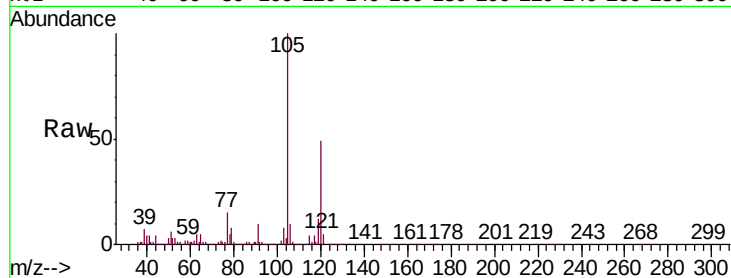




#62
 1,3,5-Trimethylbenzene
 Concen: 0.553 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

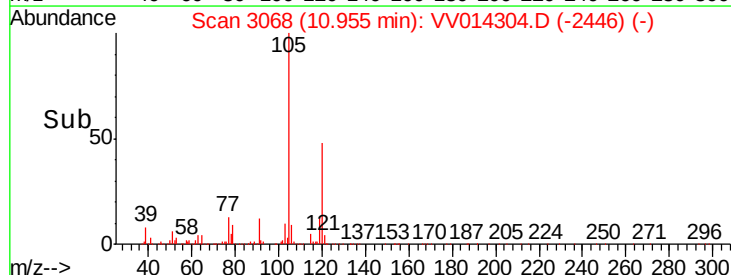
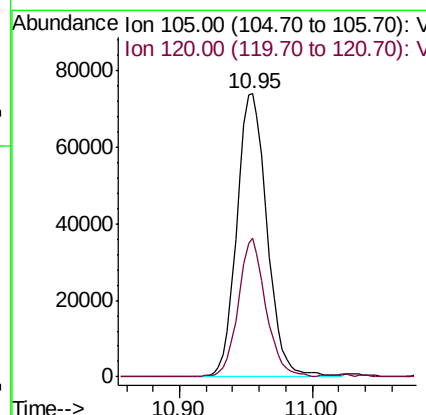
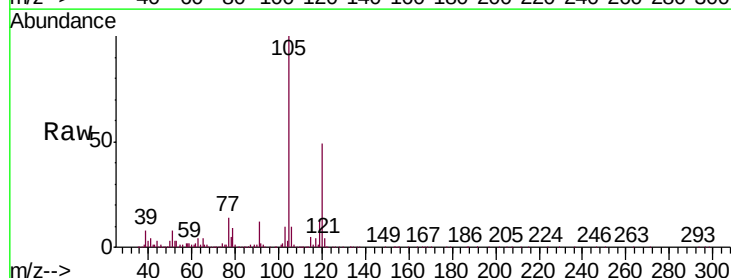
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5361

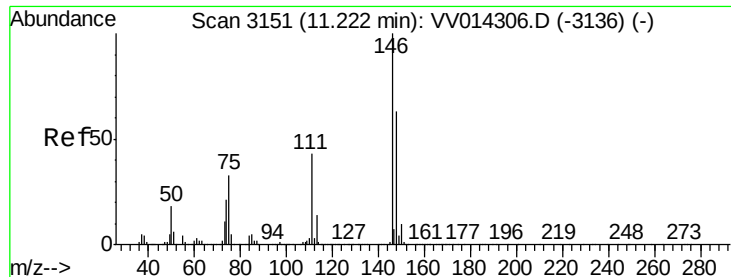
Tgt Ion:105 Resp: 119791
 Ion Ratio Lower Upper
 105 100
 120 48.6 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 0.546 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Tgt Ion:105 Resp: 116982
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.3 52.9

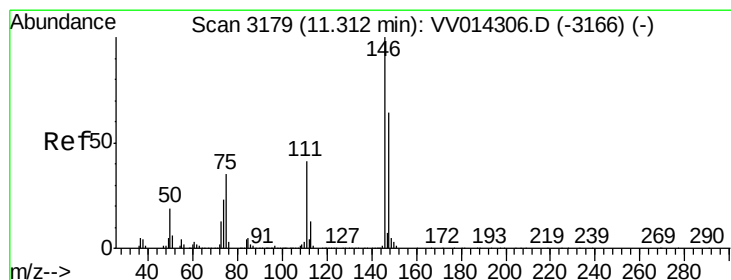
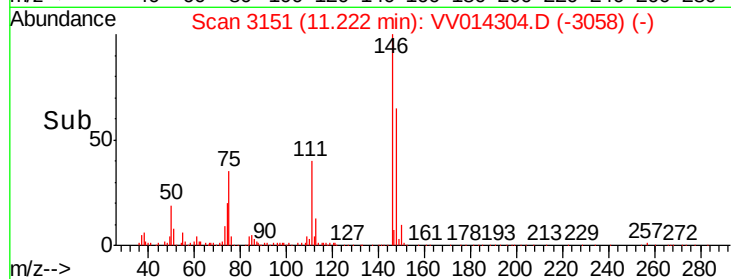
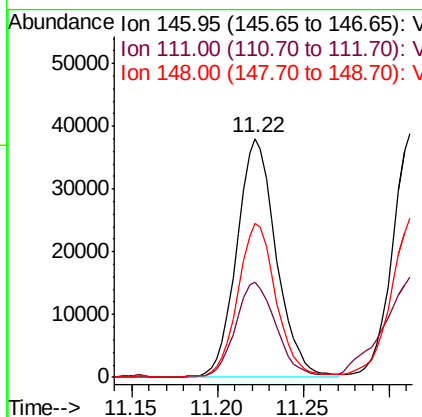
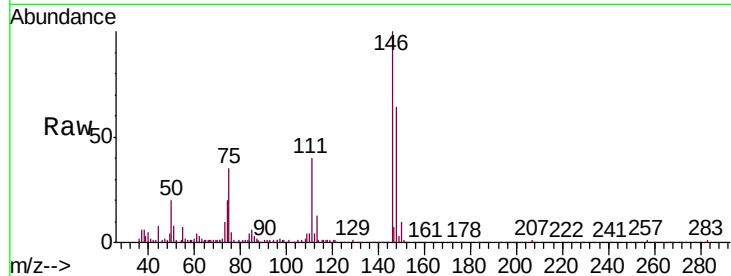




#64
 1,3-Dichlorobenzene
 Concen: 0.482 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

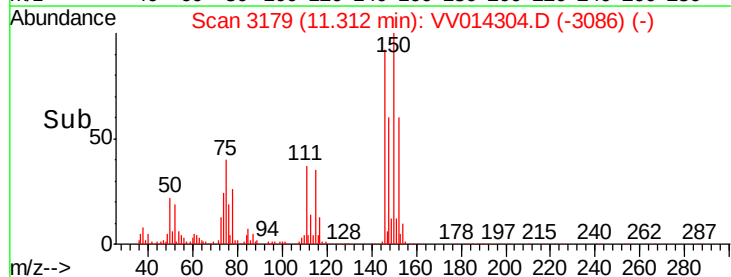
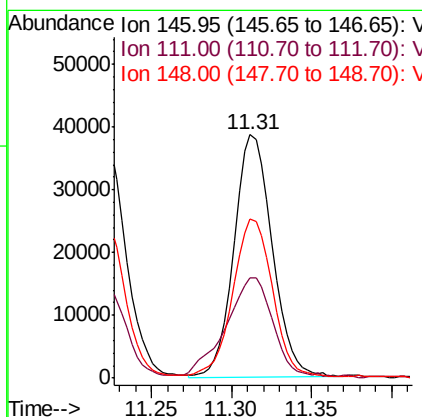
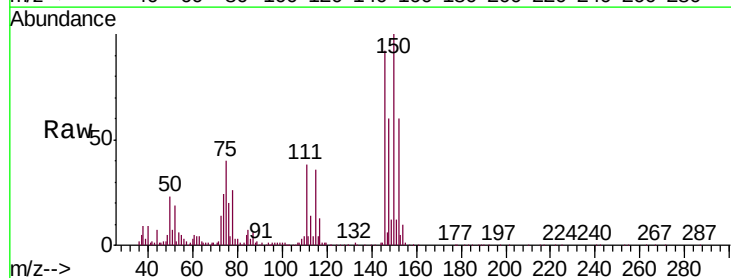
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5361

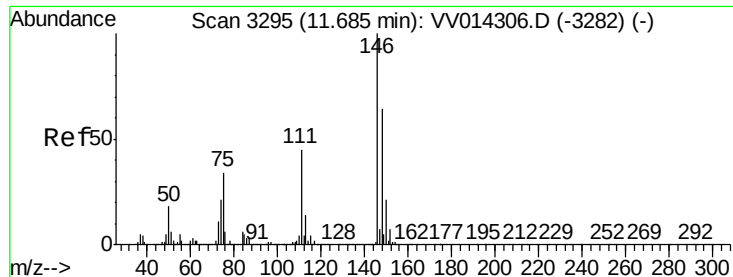
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	29.8	55.3
148	64.2	43.8	81.4



#65
 1,4-Dichlorobenzene
 Concen: 0.493 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	29.0	53.9
148	65.3	44.7	82.9





#67

1,2-Dichlorobenzene

Concen: 0.486 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

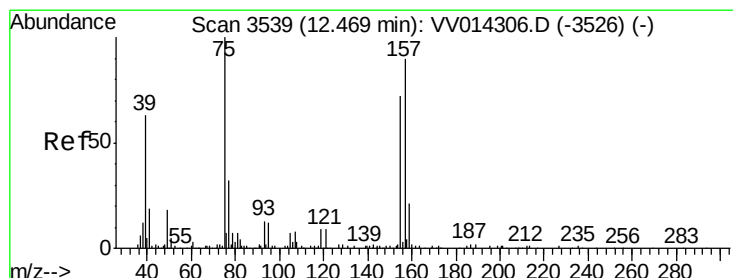
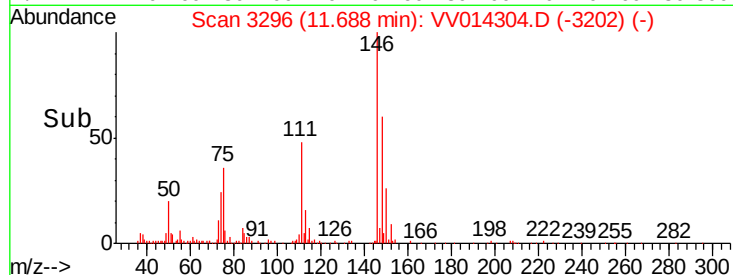
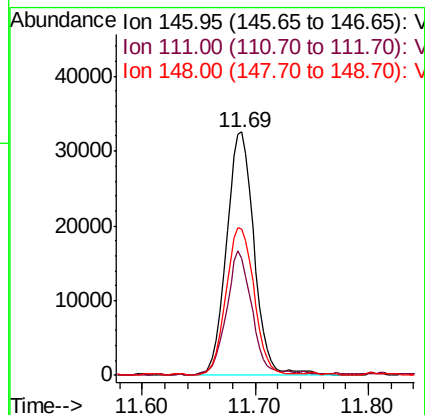
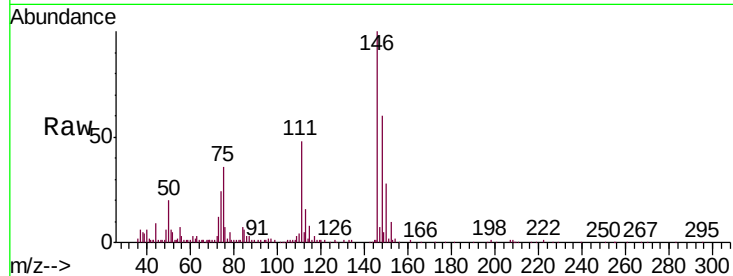
Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5361

Tgt Ion:	146	Resp:	55339
Ion	Ratio	Lower	Upper
146	100		
111	48.0	36.2	54.4
148	60.3	51.1	76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.770 ug/L

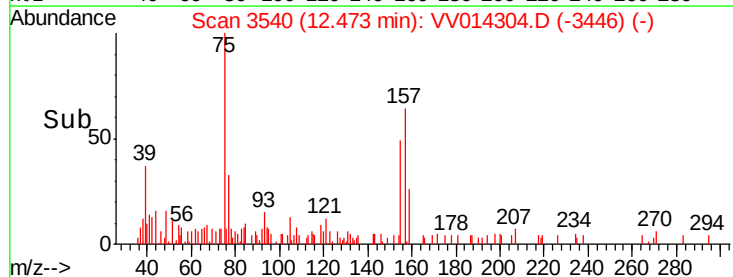
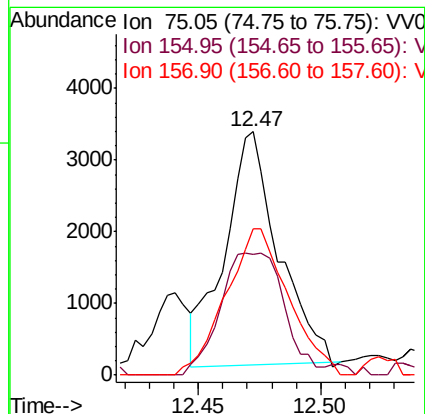
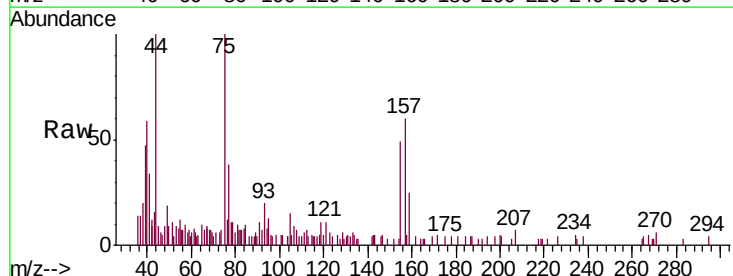
RT: 12.47 min Scan# 3540

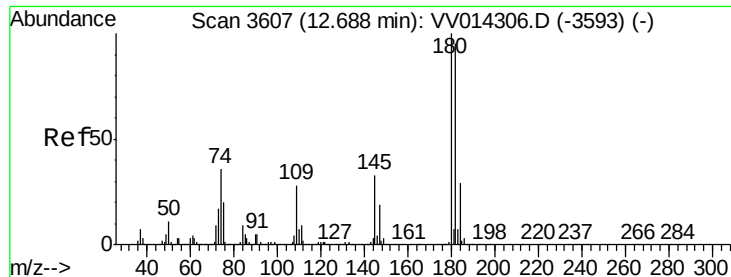
Delta R.T. 0.00 min

Lab File: VV014304.D

Acq: 15 Jan 2020 09:22

Tgt Ion:	75	Resp:	4987
Ion	Ratio	Lower	Upper
75	100		
155	49.6	58.0	87.0#
157	60.2	72.1	108.1#

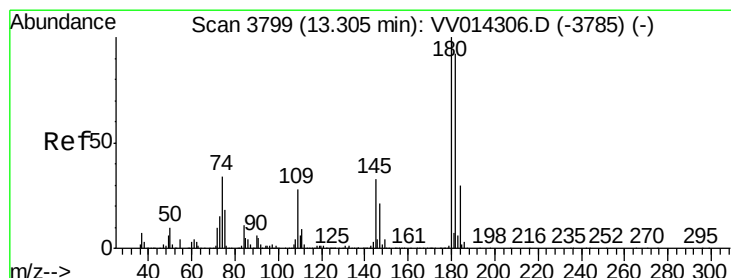
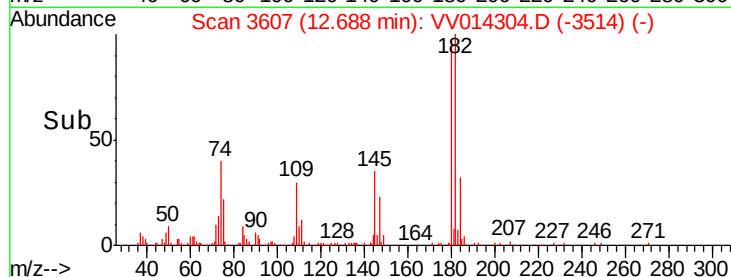
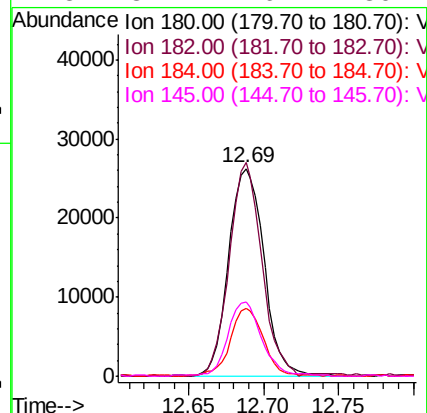
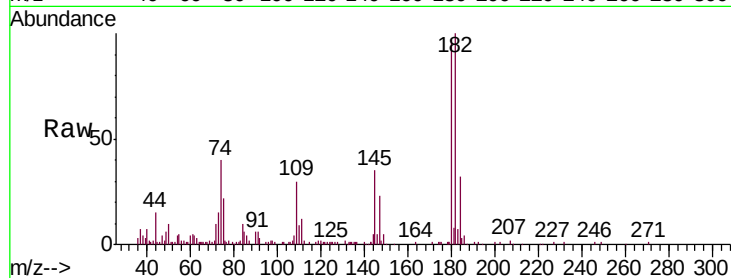




#69
 1,3,5-Trichlorobenzene
 Concen: 0.426 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

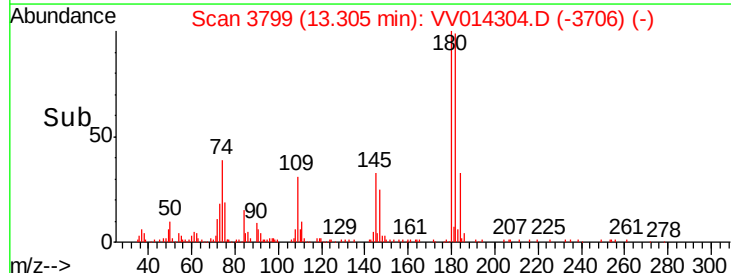
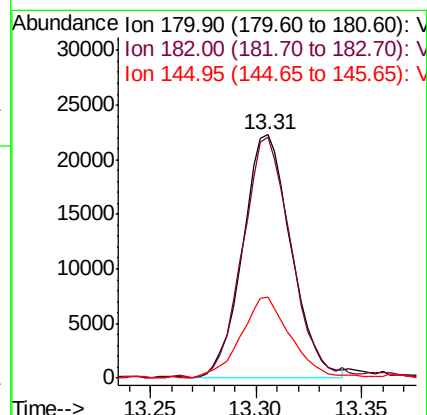
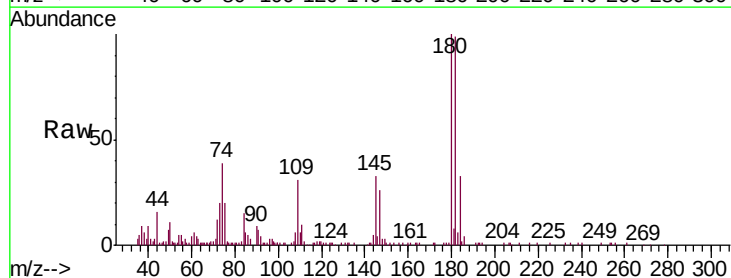
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5361

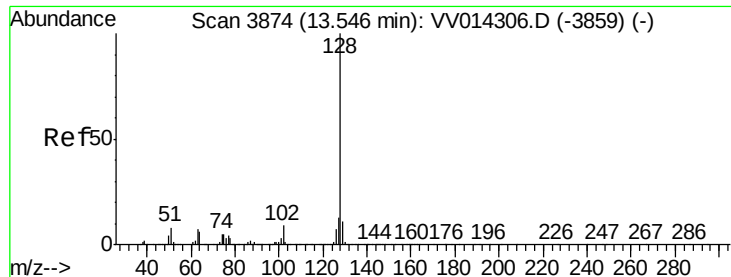
Tgt Ion:	180	Resp:	43424
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	114.8
184	31.0	23.3	34.9
145	34.4	26.2	39.4



#70
 1,2,4-trichlorobenzene
 Concen: 0.435 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014304.D
 Acq: 15 Jan 2020 09:22

Tgt Ion:	180	Resp:	35490
Ion	Ratio	Lower	Upper
180	100		
182	99.5	75.8	113.8
145	34.4	26.9	40.3

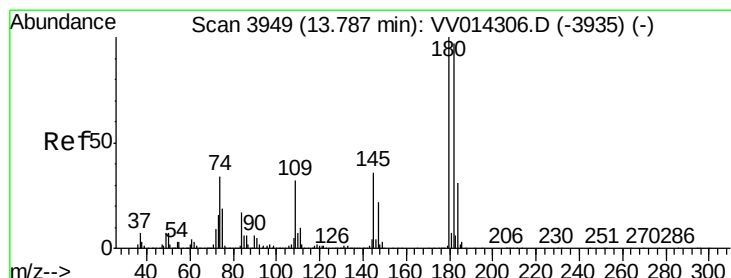
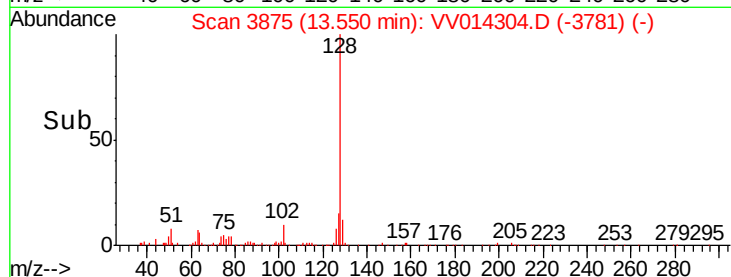
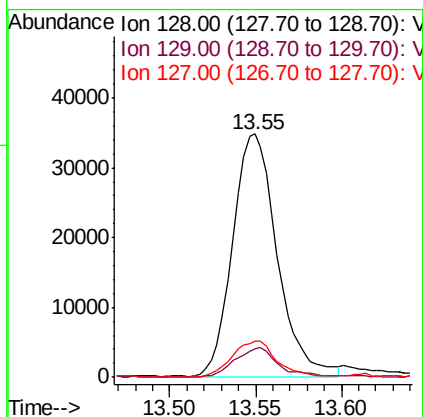
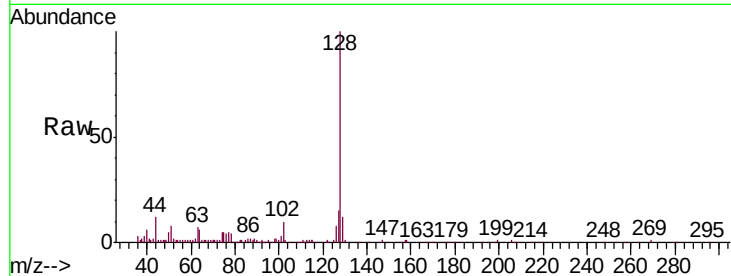




#71
Naphthalene
Concen: 0.514 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5361

Tgt Ion:128 Resp: 62460
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 15.4 10.0 15.0#



#72
1,2,3-Trichlorobenzene
Concen: 0.432 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014304.D
Acq: 15 Jan 2020 09:22

Tgt Ion:180 Resp: 31094
Ion Ratio Lower Upper
180 100
182 99.6 76.7 115.1
145 38.6 28.8 43.2

