

Data File : VV012926.D
Acq On : 20 Sep 2019 16:08
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Sep 21 00:50:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 21 00:42:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	386241	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	373221	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	186045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127328	3.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.60%
7) Chloroethane-d5	1.58	69	119930	3.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.60%
11) 1,1-Dichloroethene-d2	2.13	63	205615	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	3.97	46	419959	52.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.92%
24) Chloroform-d	4.40	84	270866	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.08	65	137933	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.10	84	526293	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.12	67	167586	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.36	98	471031	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.66	79	58415	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.13	63	280468	49.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126404	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	175092	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	135440	5.561 ug/L	100
3) Chloromethane	1.26	50	122946	4.577 ug/L	99
5) Vinyl chloride	1.32	62	143395	4.600 ug/L	99
6) Bromomethane	1.53	94	73921	4.934 ug/L	99
8) Chloroethane	1.60	64	78248	4.779 ug/L	97
9) Trichlorofluoromethane	1.77	101	178305	4.702 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	107593	4.728 ug/L	99
12) 1,1-Dichloroethene	2.14	96	94345	4.559 ug/L	94
13) Acetone	2.24	43	206025	48.669 ug/L	92
14) Carbon disulfide	2.31	76	203194	4.793 ug/L	99
15) Methyl Acetate	2.48	43	52496	4.740 ug/L #	88
16) Methylene chloride	2.53	84	124684	4.900 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	270582	4.623 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	103428	4.497 ug/L	98
19) 1,1-Dichloroethane	3.23	63	229916	4.844 ug/L	99
21) 2-Butanone	4.05	43	362972	52.192 ug/L #	74
22) cis-1,2-Dichloroethene	3.96	96	125967	4.874 ug/L	95

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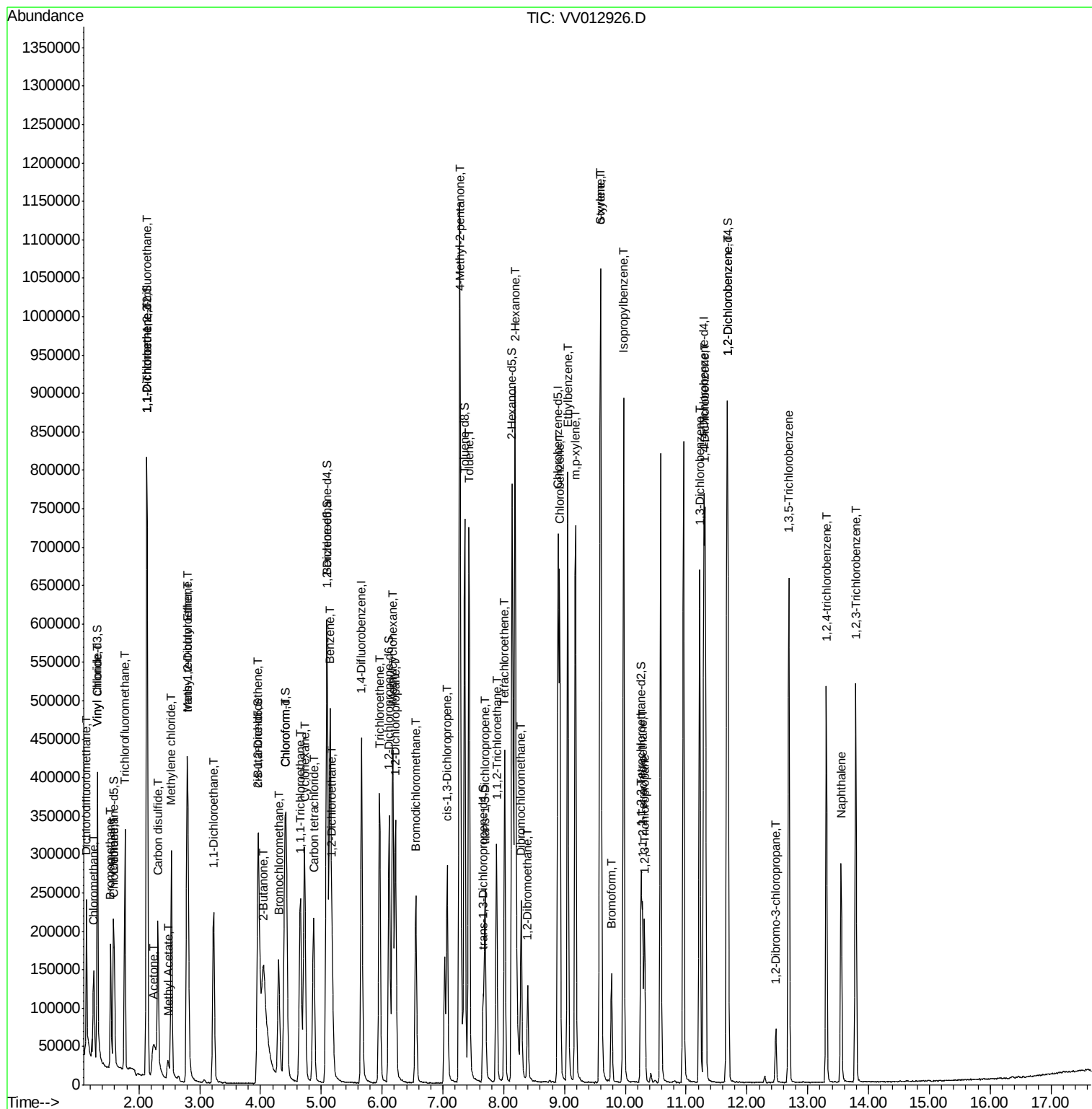
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	55217	4.825	ug/L	96
25) Chloroform	4.42	83	249449	4.665	ug/L	98
27) 1,2-Dichloroethane	5.18	62	139752	4.915	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	190105	4.902	ug/L	99
30) Cyclohexane	4.72	56	158786	4.909	ug/L	97
31) Carbon tetrachloride	4.87	117	156615	4.768	ug/L	97
33) Benzene	5.14	78	481035	4.967	ug/L	100
34) Trichloroethene	5.96	95	126424	5.068	ug/L	97
35) Methylcyclohexane	6.17	83	162141	4.844	ug/L	98
37) 1,2-Dichloropropane	6.22	63	134731	5.106	ug/L	100
38) Bromodichloromethane	6.55	83	164762	4.797	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	161618	4.623	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	897927	52.841	ug/L	99
42) Toluene	7.43	91	512942	5.088	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	137003	4.907	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	96502	4.879	ug/L	98
47) Tetrachloroethene	8.02	164	99316	4.955	ug/L	98
48) 2-Hexanone	8.19	43	666516	54.284	ug/L	98
49) Dibromochloromethane	8.29	129	113547	5.042	ug/L	97
50) 1,2-Dibromoethane	8.40	107	80988	4.920	ug/L #	97
51) Chlorobenzene	8.92	112	341694	4.939	ug/L	99
52) Ethylbenzene	9.05	91	543068	5.022	ug/L	99
53) m,p-xylene	9.18	106	206956	5.189	ug/L	99
54) o-xylene	9.59	106	201627	5.142	ug/L	99
55) Styrene	9.60	104	359607	5.346	ug/L	99
56) Isopropylbenzene	9.97	105	552829	5.255	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	104827	4.232	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	83643	4.859	ug/L	98
61) Bromoform	9.77	173	63975	5.015	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	274568	4.938	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	272483	4.776	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	269850	4.921	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	16561	4.394	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	202736	4.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	158581	4.543	ug/L	99
69) Naphthalene	13.55	128	230467	4.369	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	159939	4.644	ug/L	98

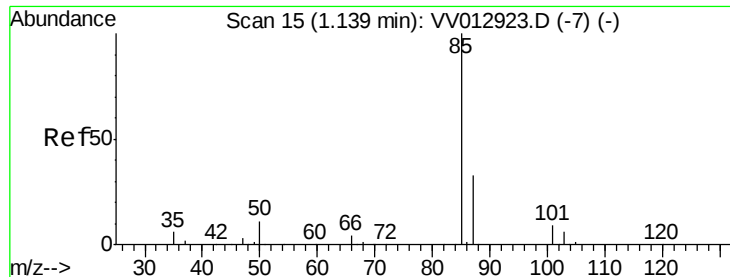
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.561 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

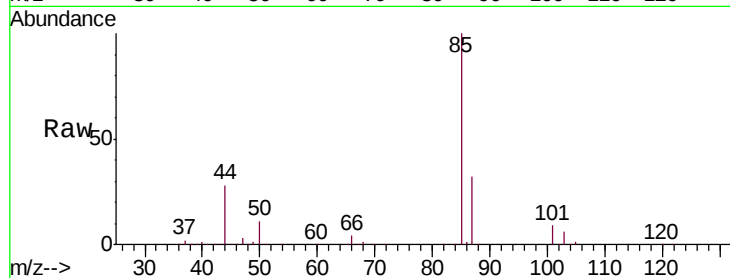
VSTD00544

Tgt Ion: 85 Resp: 135440

Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV012923.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012923.D (-7) (-)

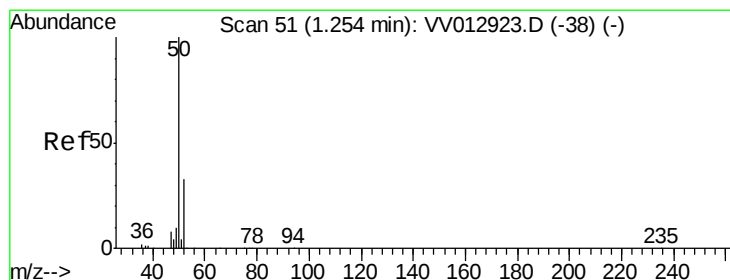
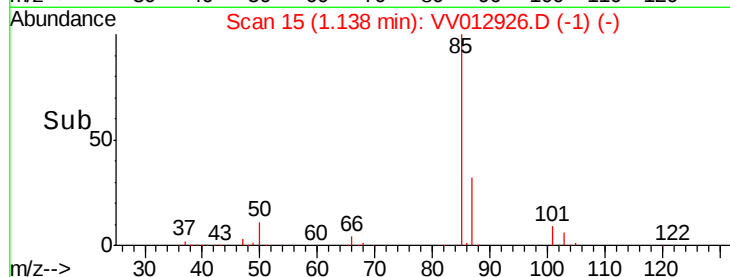
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.577 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV012926.D

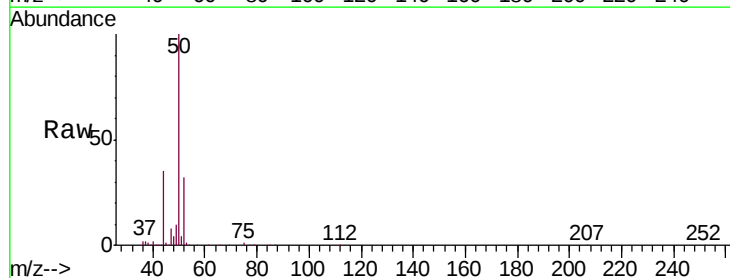
Acq: 20 Sep 2019 16:08

Tgt Ion: 50 Resp: 122946

Ion Ratio Lower Upper

50 100

52 31.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV012923.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV012923.D (-38) (-)

1.26

80000

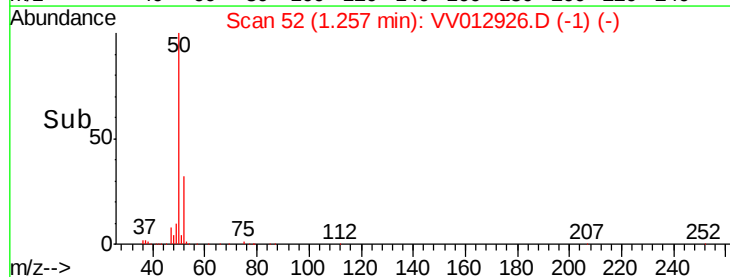
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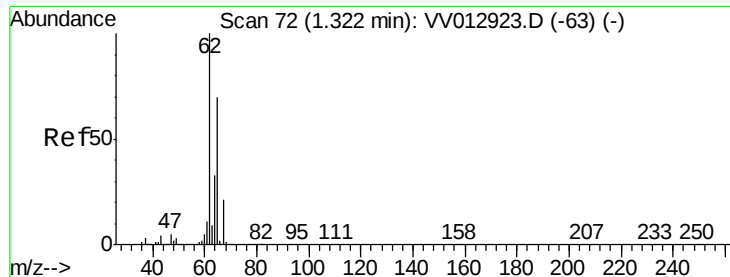
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 4.600 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

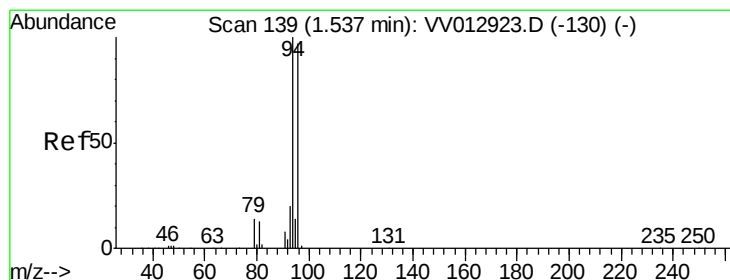
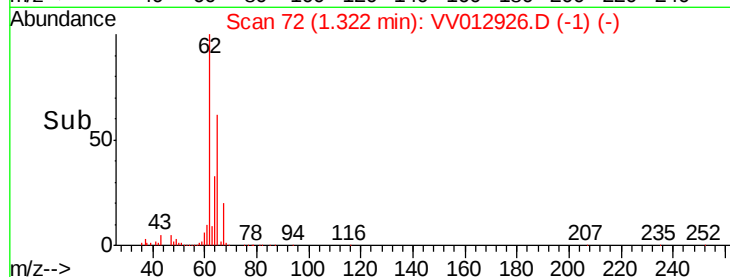
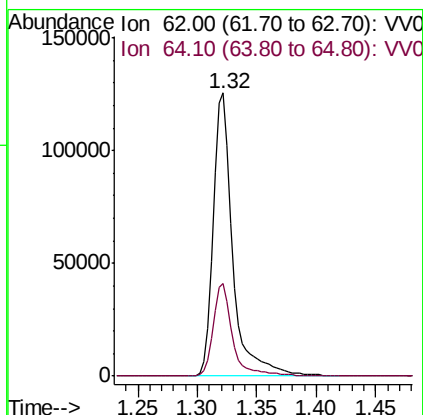
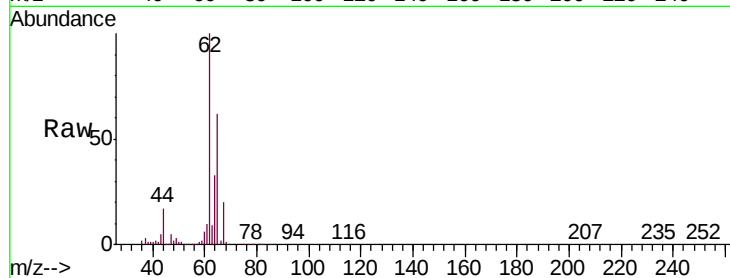
VSTD00544

Tgt Ion: 62 Resp: 143395

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.7



#6

Bromomethane

Concen: 4.934 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012926.D

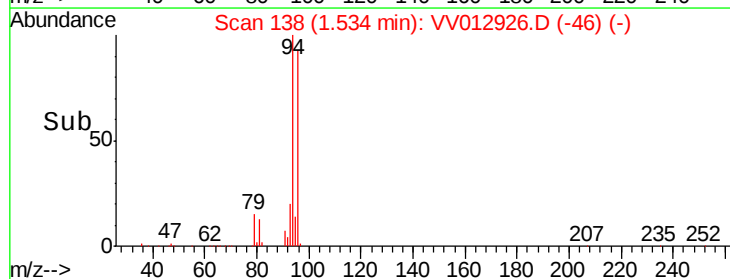
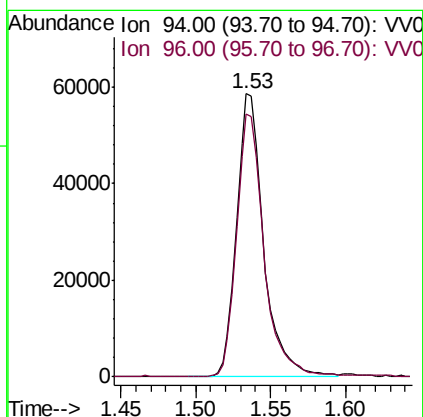
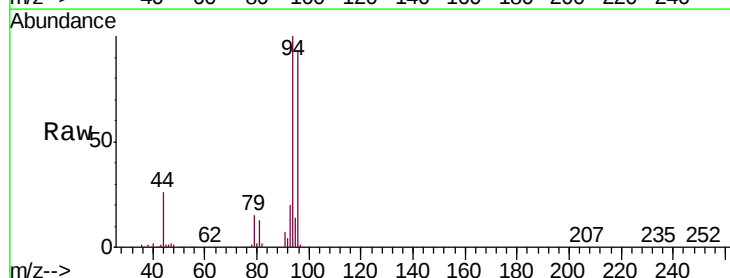
Acq: 20 Sep 2019 16:08

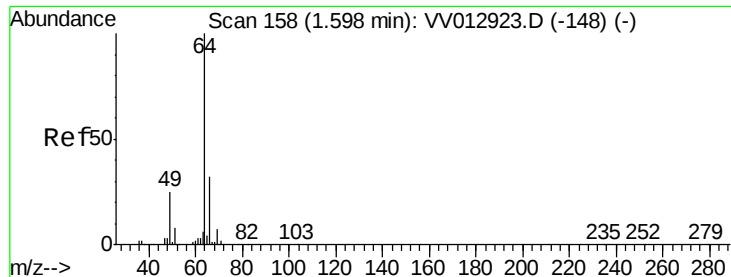
Tgt Ion: 94 Resp: 73921

Ion Ratio Lower Upper

94 100

96 93.0 65.6 121.8

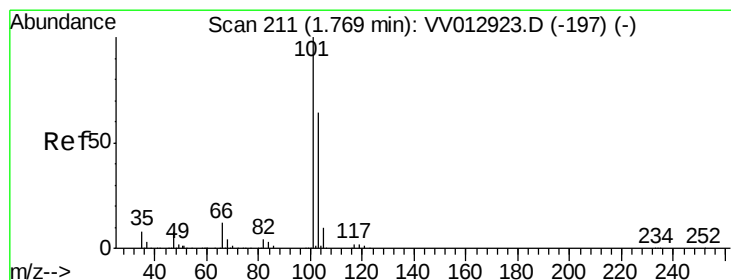
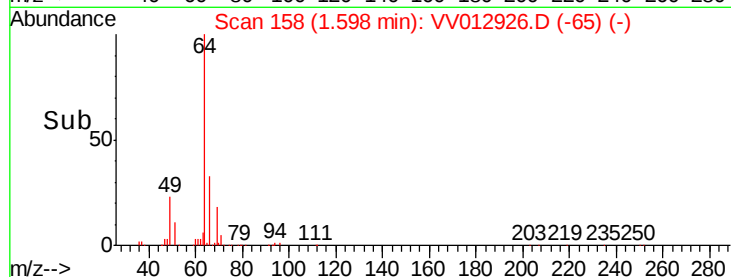
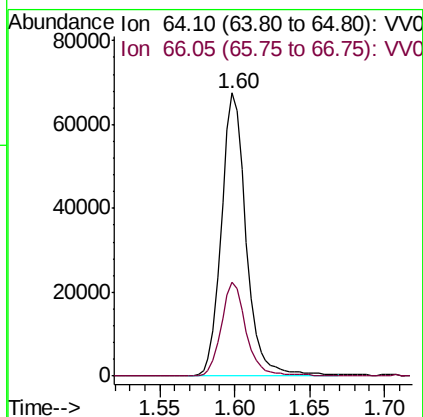
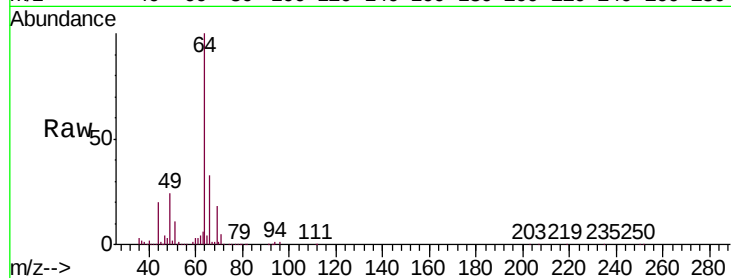




#8
Chloroethane
Concen: 4.779 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

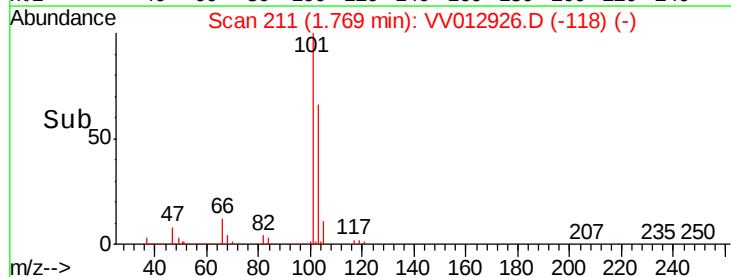
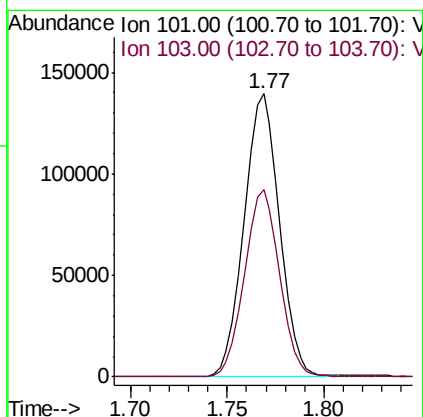
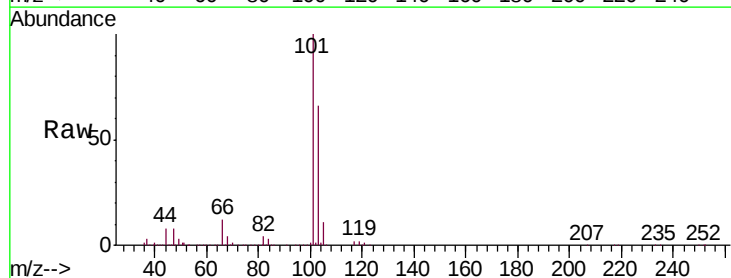
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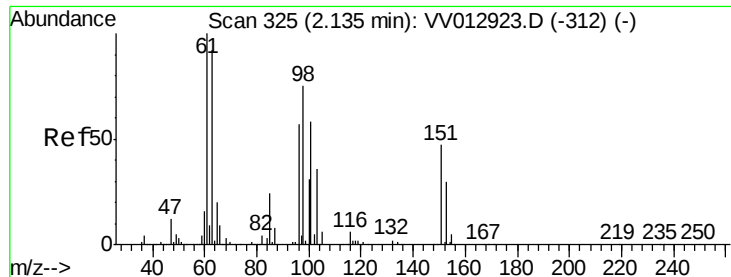
Tgt Ion: 64 Resp: 78248
Ion Ratio Lower Upper
64 100
66 33.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 4.702 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

Tgt Ion: 101 Resp: 178305
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5





#10

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

Concen: 4.728 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

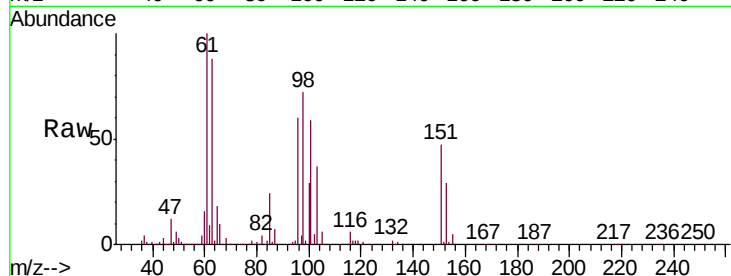
Tgt Ion: 101 Resp: 107593

Ion Ratio Lower Upper

101 100

85 41.2 33.5 50.3

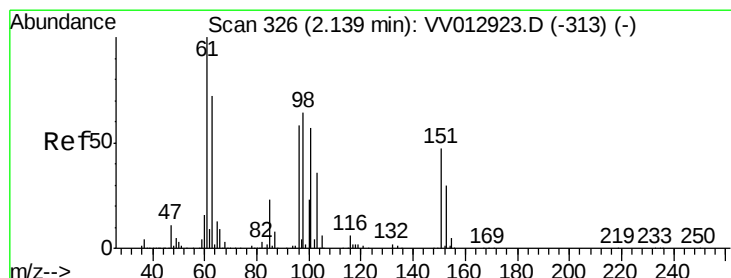
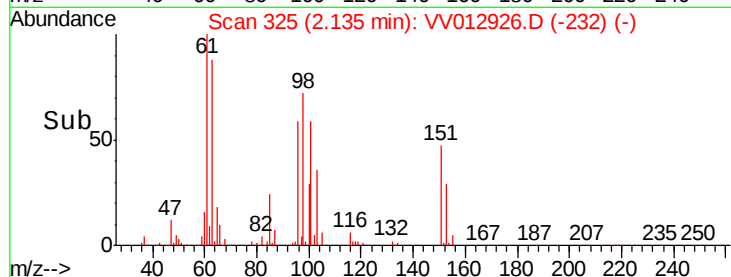
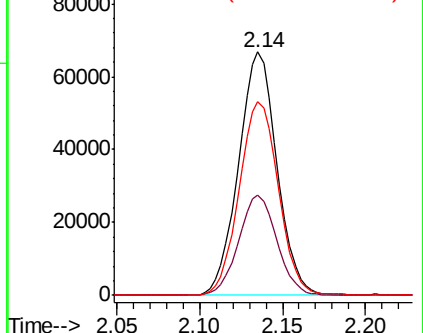
151 81.4 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): VV012923.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV012923.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV012923.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 4.559 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

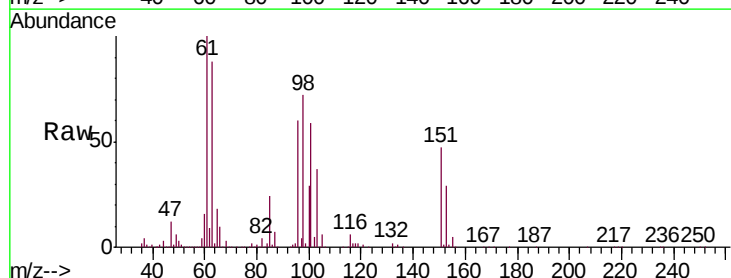
Tgt Ion: 96 Resp: 94345

Ion Ratio Lower Upper

96 100

61 168.0 116.1 215.5

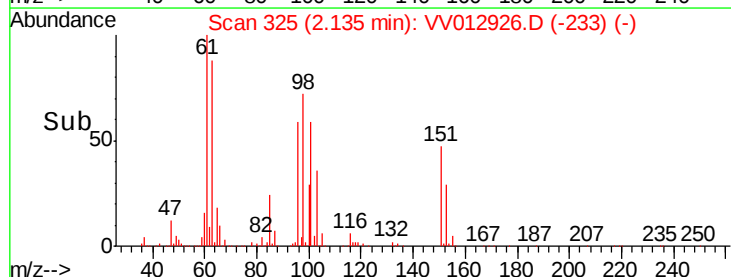
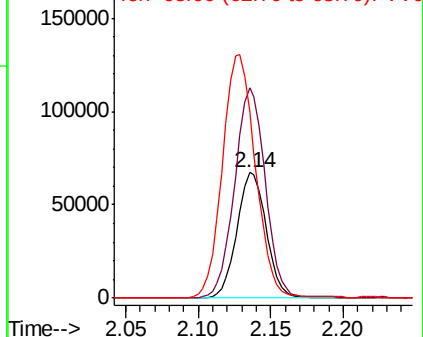
63 148.4 113.3 210.3

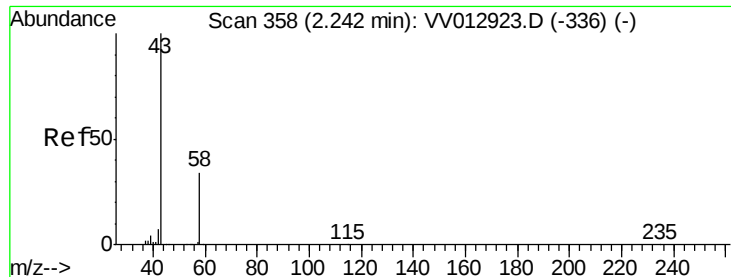


Abundance Ion 96.00 (95.70 to 96.70): VV012923.D (-313) (-)

Ion 61.05 (60.75 to 61.75): VV012923.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV012923.D (-313) (-)





#13

Acetone

Concen: 48.669 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

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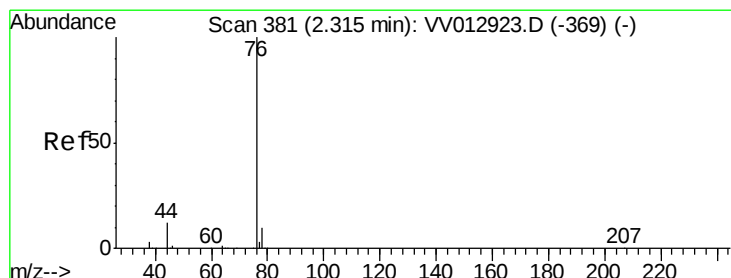
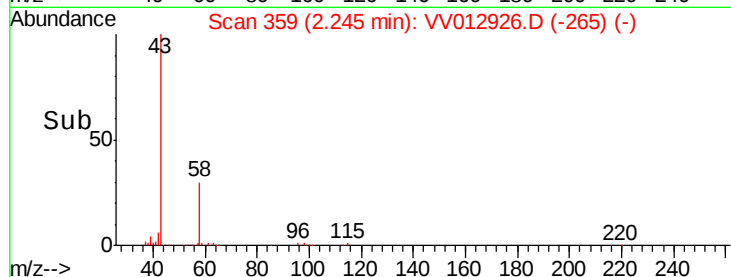
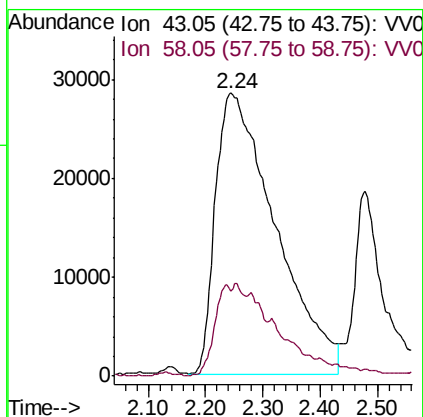
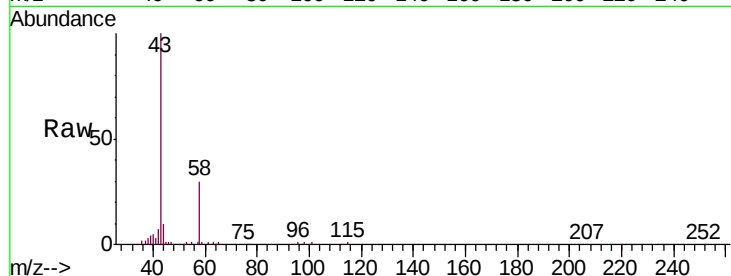
VSTD00544

Tgt Ion: 43 Resp: 206025

Ion Ratio Lower Upper

43 100

58 8.9 0.0 24.4



#14

Carbon disulfide

Concen: 4.793 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012926.D

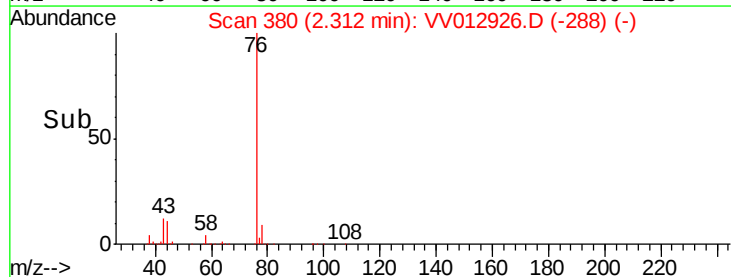
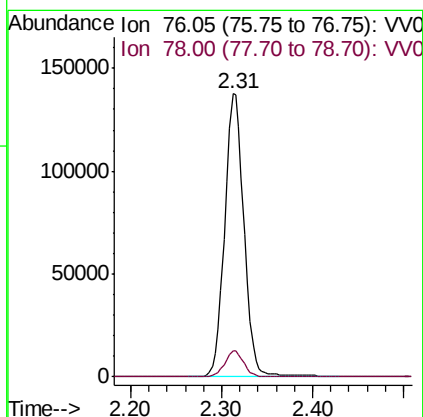
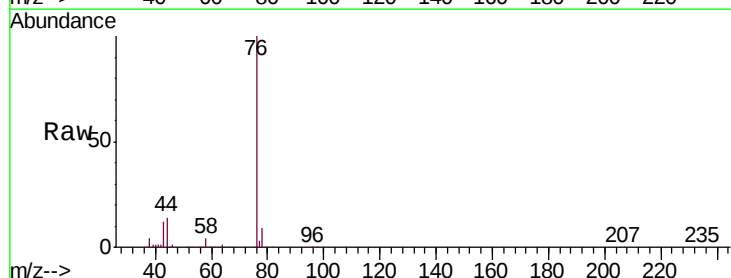
Acq: 20 Sep 2019 16:08

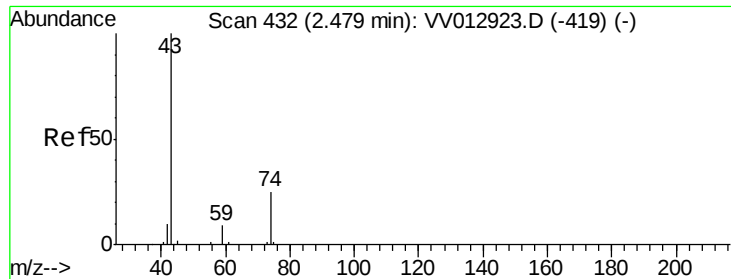
Tgt Ion: 76 Resp: 203194

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

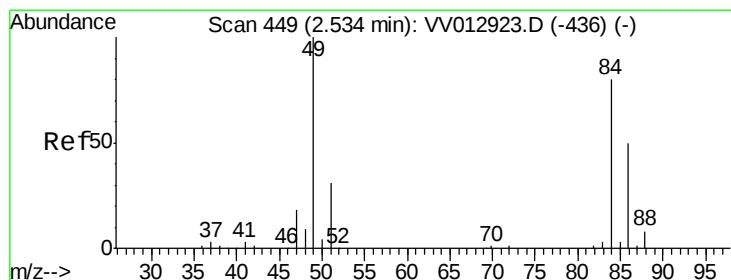
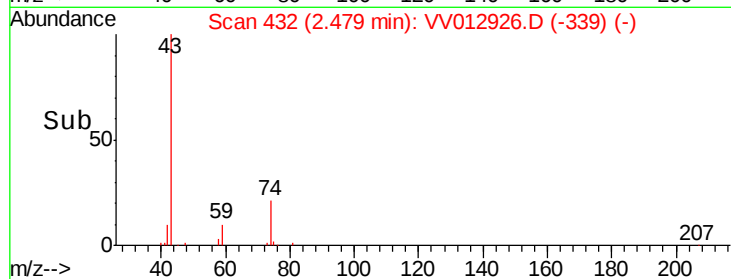
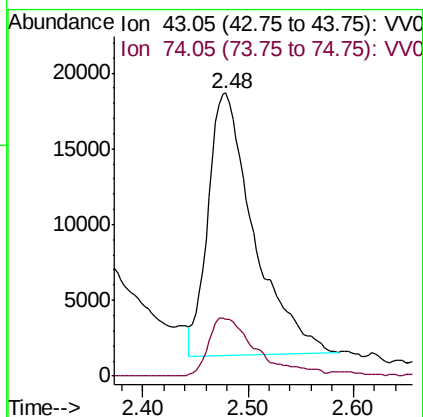
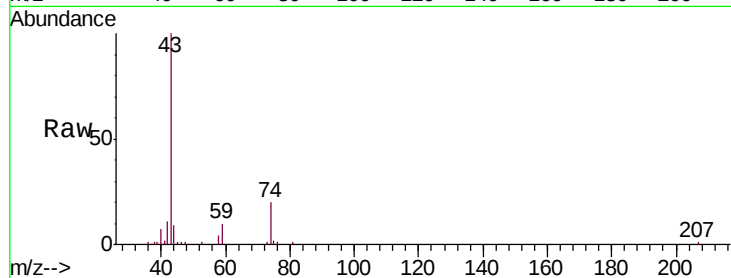




#15
Methyl Acetate
Concen: 4.740 ug/L
RT: 2.48 min Scan# 432
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

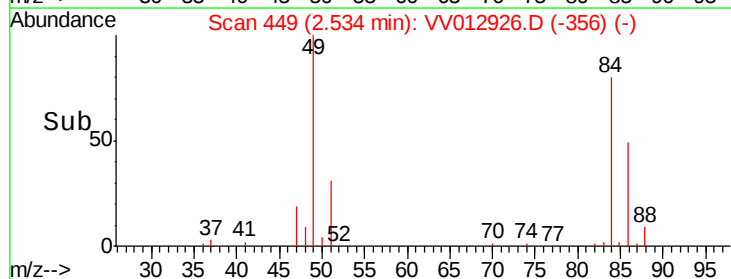
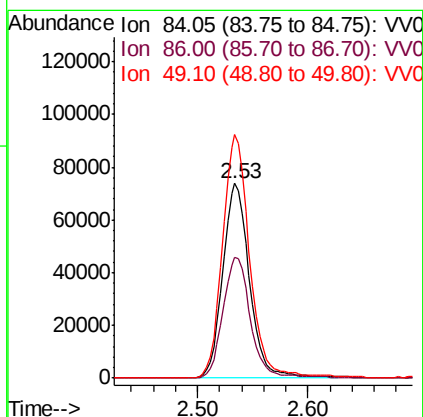
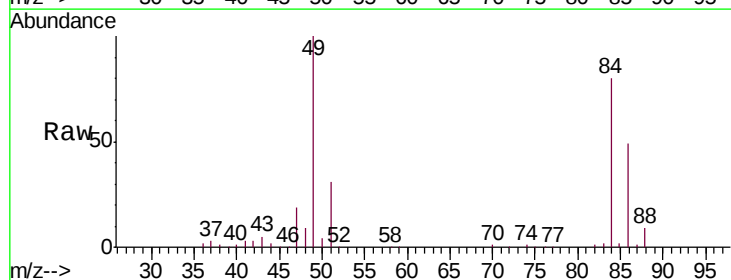
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

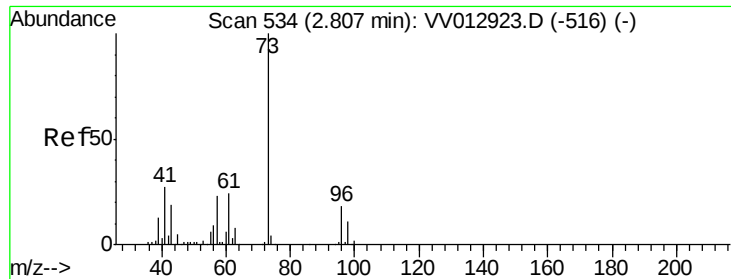
Tgt Ion: 43 Resp: 52496
Ion Ratio Lower Upper
43 100
74 22.7 14.1 21.1#



#16
Methylene chloride
Concen: 4.900 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

Tgt Ion: 84 Resp: 124684
Ion Ratio Lower Upper
84 100
86 61.8 44.8 83.2
49 125.0 85.9 159.5





#17

Methyl tert-butyl Ether

Concen: 4.623 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

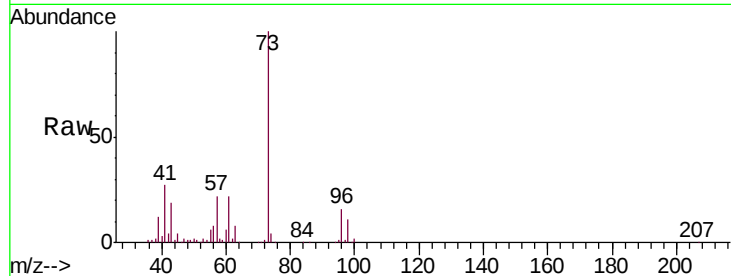
Tgt Ion: 73 Resp: 270582

Ion Ratio Lower Upper

73 100

43 18.4 15.0 22.4

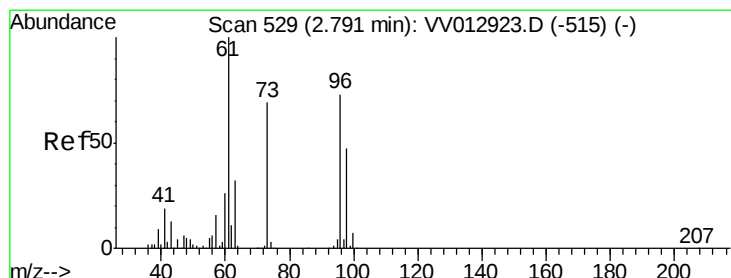
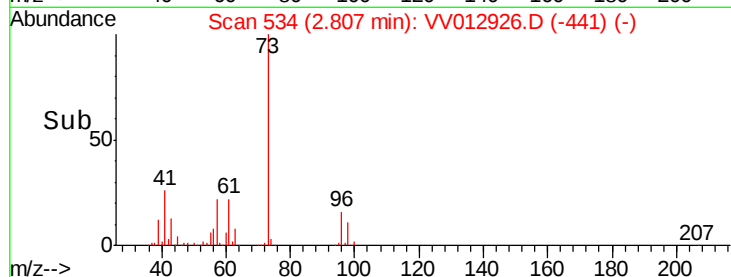
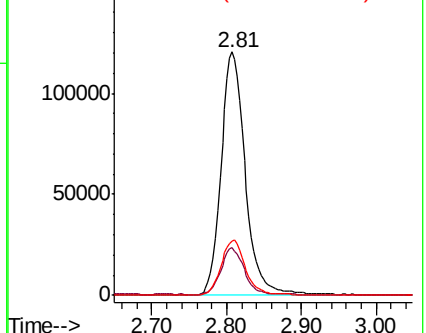
57 22.8 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV012923.D (-516) (-)

Ion 43.05 (42.75 to 43.75): VV012923.D (-516) (-)

Ion 57.10 (56.80 to 57.80): VV012923.D (-516) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.497 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

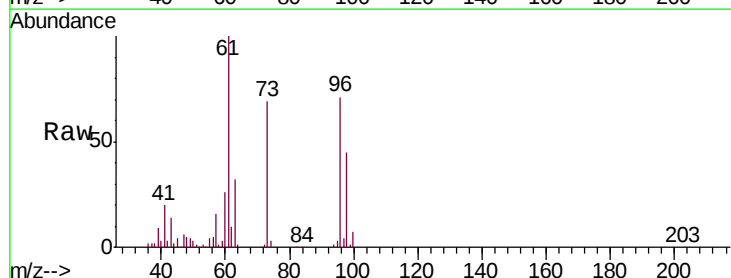
Tgt Ion: 96 Resp: 103428

Ion Ratio Lower Upper

96 100

61 141.0 96.8 179.8

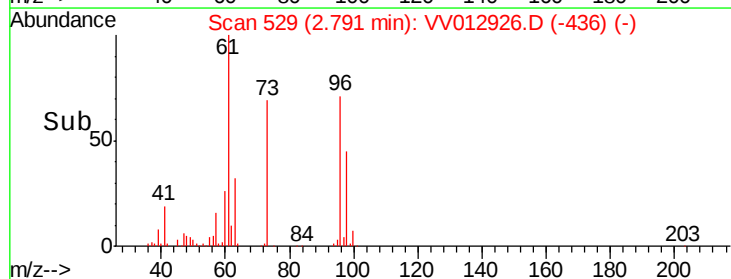
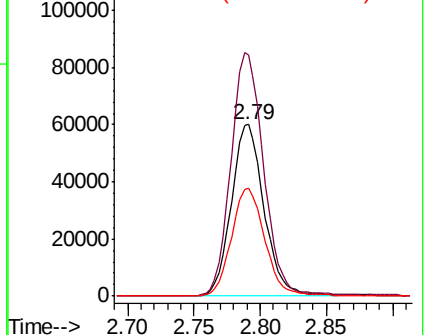
98 62.9 45.2 84.0

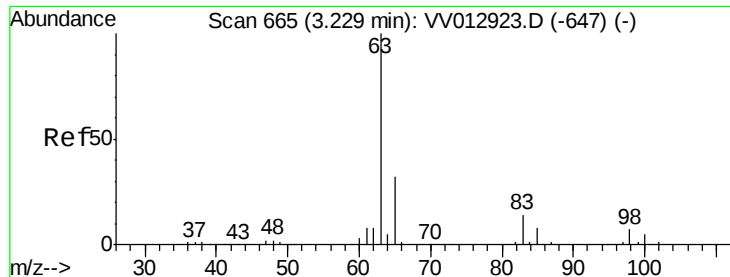


Abundance Ion 96.00 (95.70 to 96.70): VV012923.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012923.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012923.D (-515) (-)

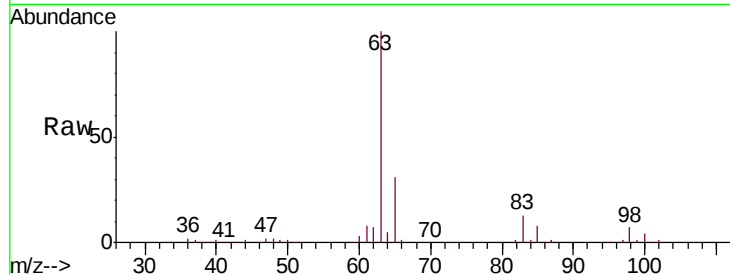




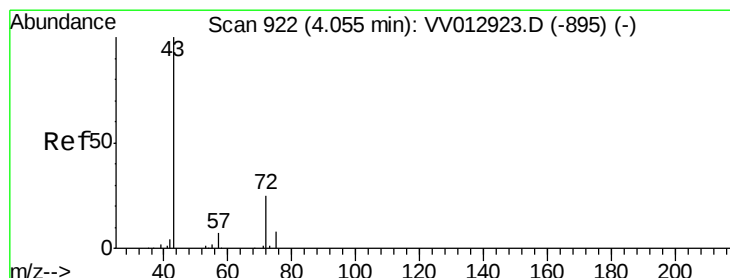
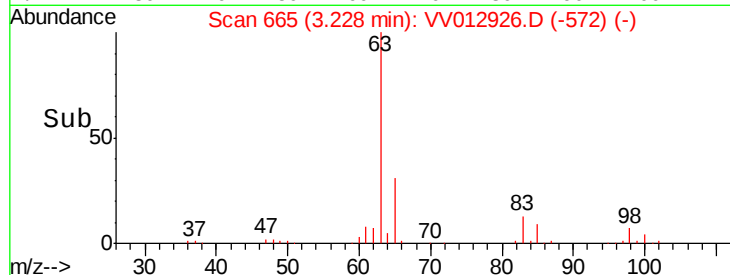
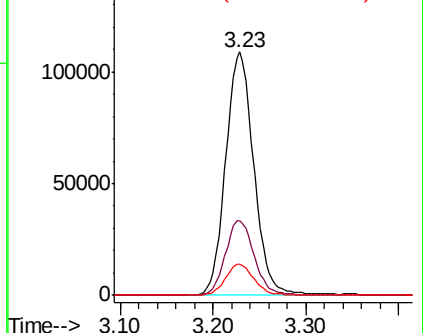
#19
 1,1-Dichloroethane
 Concen: 4.844 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion: 63 Resp: 229916
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.0 41.0
 83 12.9 9.2 17.0

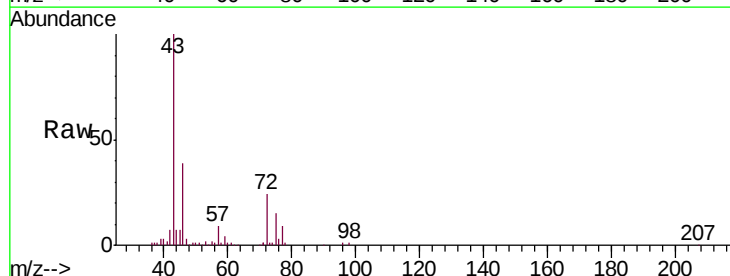


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

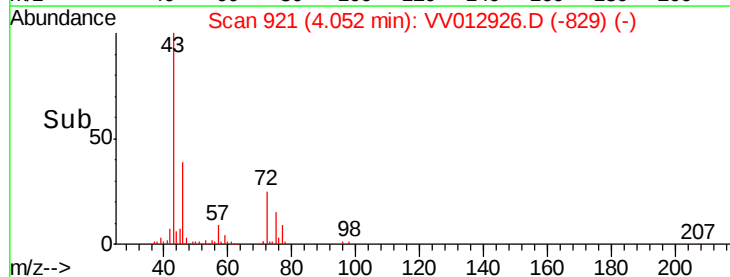
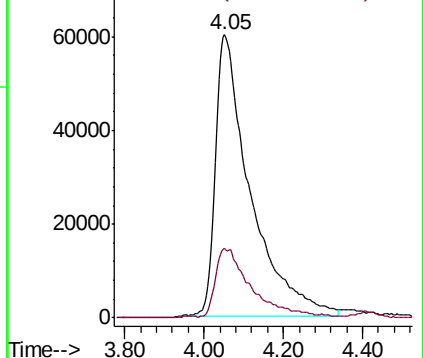


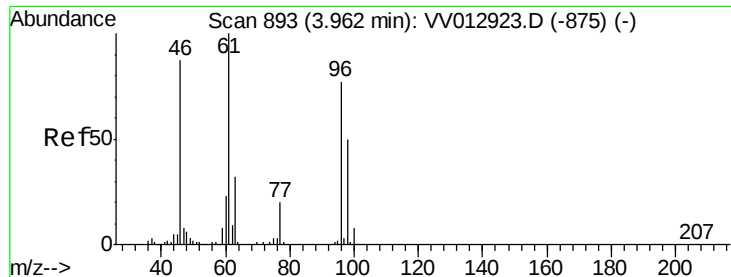
#21
 2-Butanone
 Concen: 52.192 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Tgt Ion: 43 Resp: 362972
 Ion Ratio Lower Upper
 43 100
 72 8.8 10.4 31.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



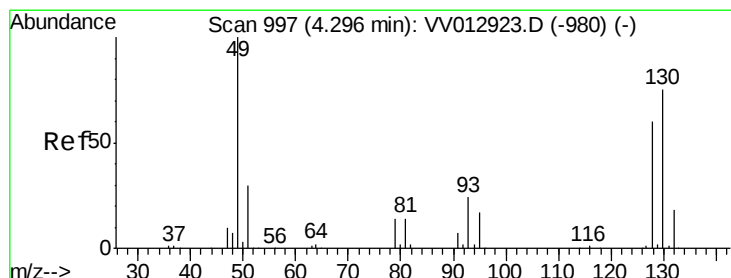
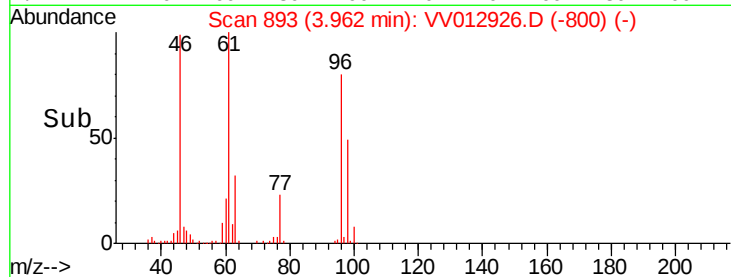
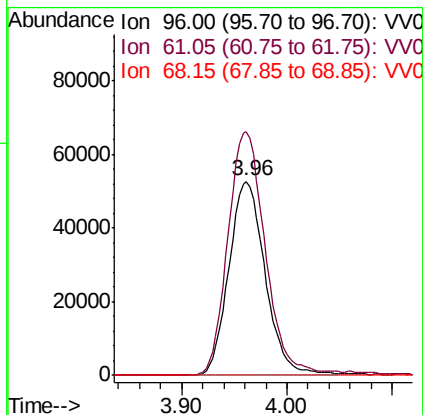
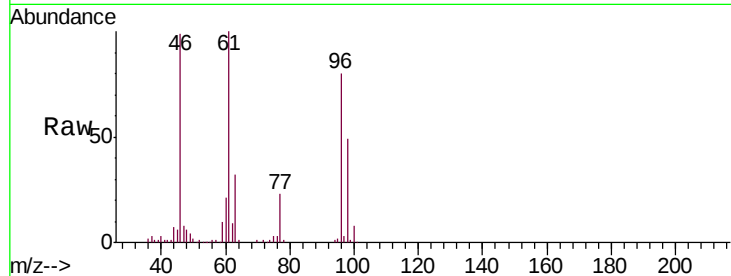


#22

cis-1,2-Dichloroethene
 Concen: 4.874 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

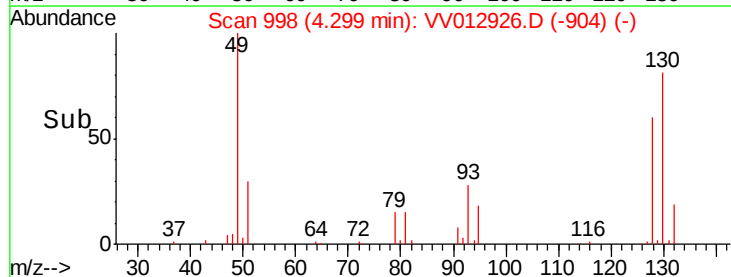
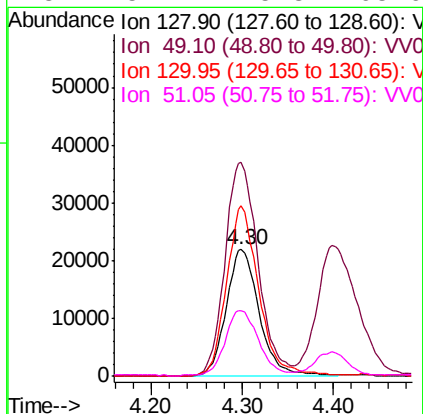
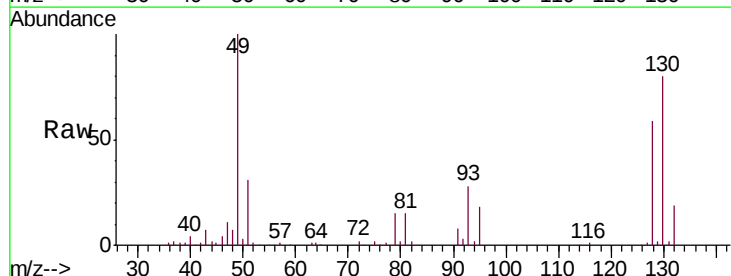
Tgt Ion: 96 Resp: 125967
 Ion Ratio Lower Upper
 96 100
 61 125.6 91.8 170.6
 68 0.0 0.0 0.0

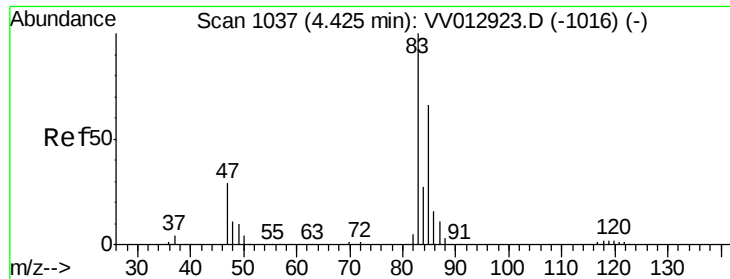


#23

Bromochloromethane
 Concen: 4.825 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Tgt Ion: 128 Resp: 55217
 Ion Ratio Lower Upper
 128 100
 49 169.2 119.6 222.0
 130 135.0 89.8 166.8
 51 51.7 45.8 68.6

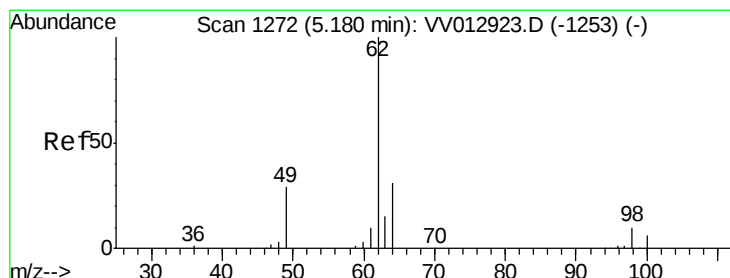
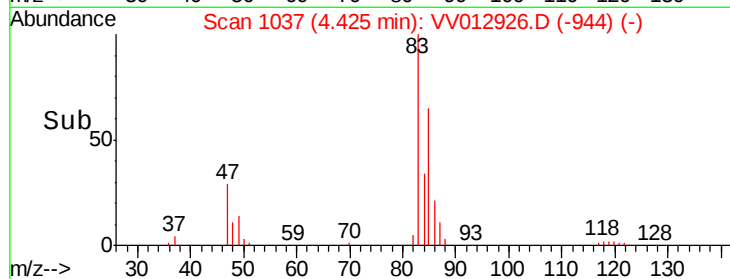
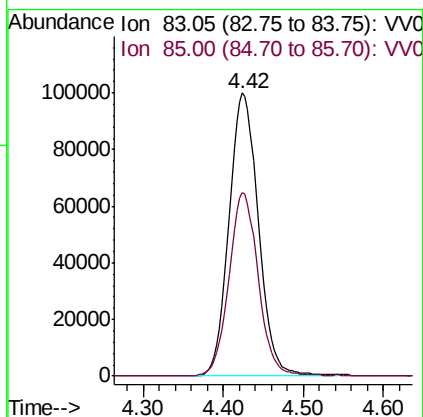
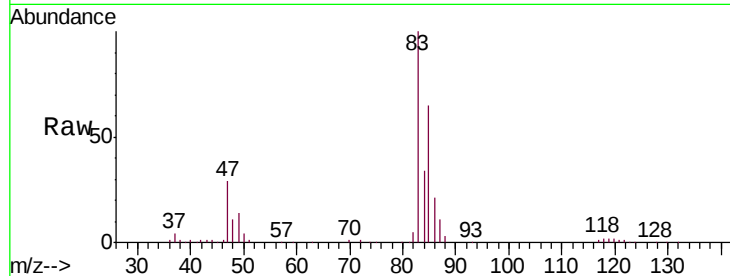




#25
Chloroform
Concen: 4.665 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

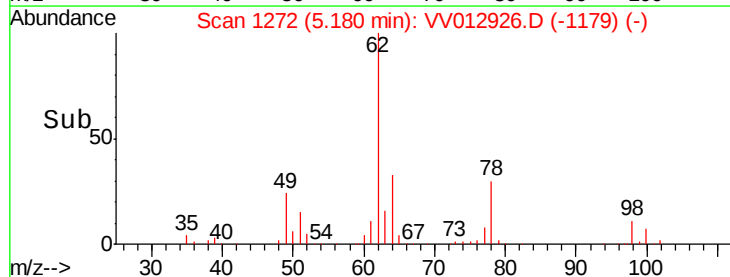
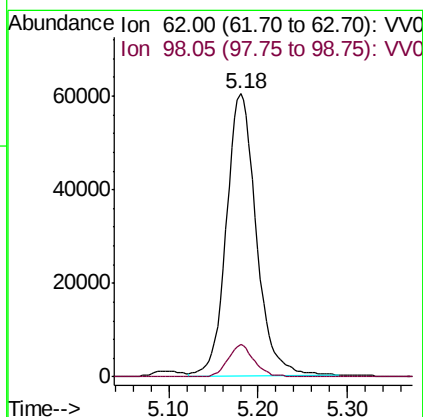
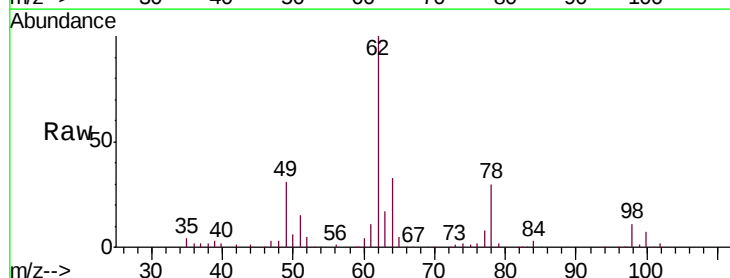
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

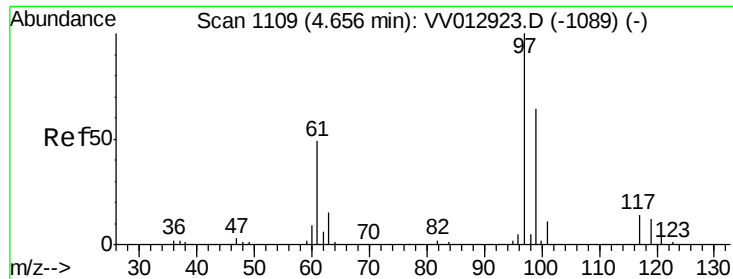
Tgt Ion: 83 Resp: 249449
Ion Ratio Lower Upper
83 100
85 65.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.915 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

Tgt Ion: 62 Resp: 139752
Ion Ratio Lower Upper
62 100
98 11.4 7.8 11.8

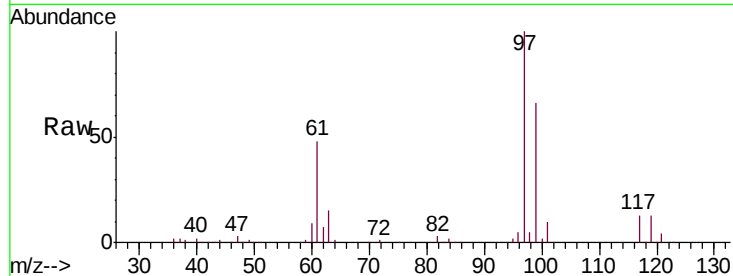




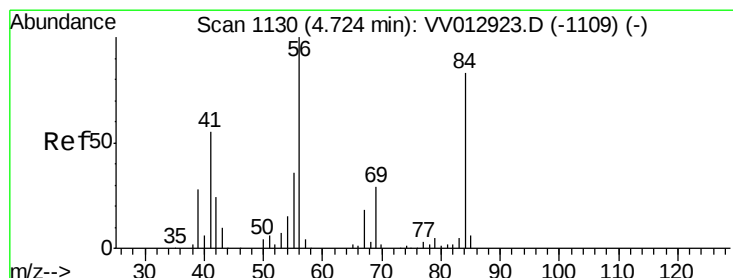
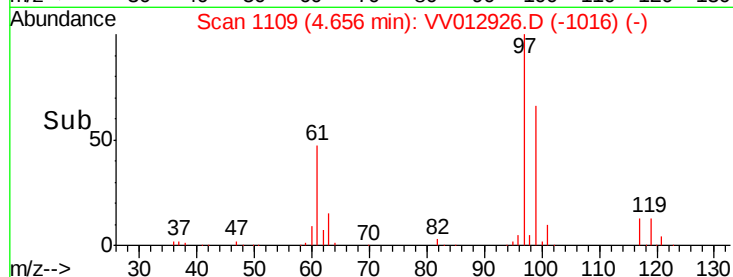
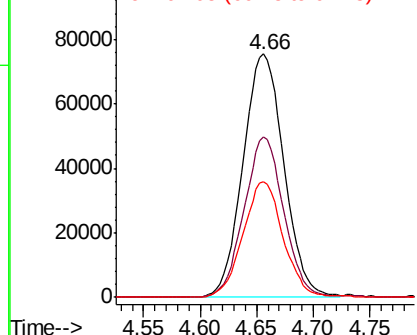
#29
 1,1,1-Trichloroethane
 Concen: 4.902 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion: 97 Resp: 190105
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.9 76.3
 61 46.8 38.2 57.2

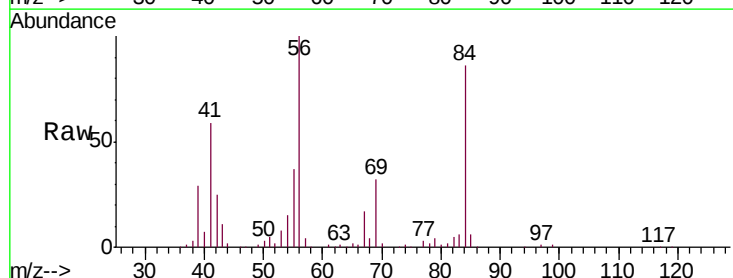


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

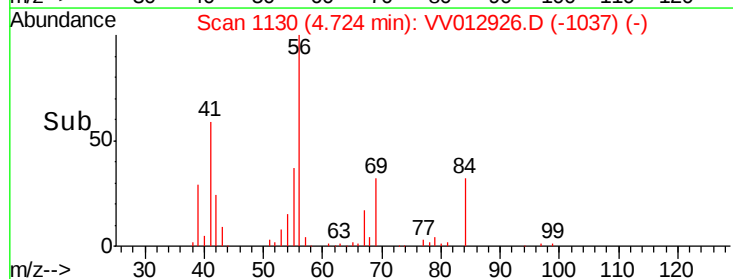
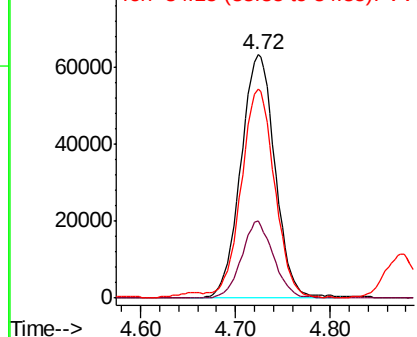


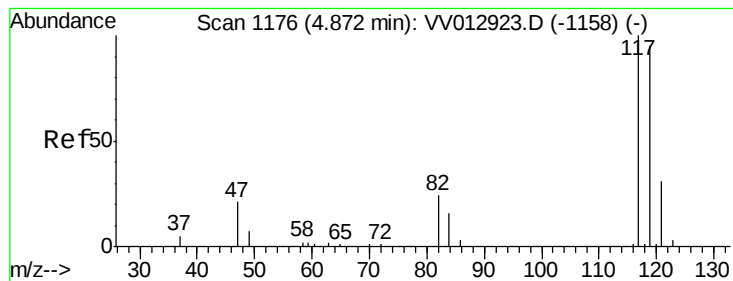
#30
 Cyclohexane
 Concen: 4.909 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Tgt Ion: 56 Resp: 158786
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.4 36.6
 84 83.1 69.3 103.9



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: 4.768 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

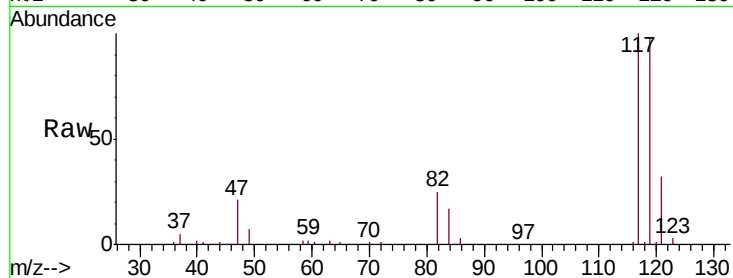
VSTD00544

Tgt Ion:117 Resp: 156615

Ion Ratio Lower Upper

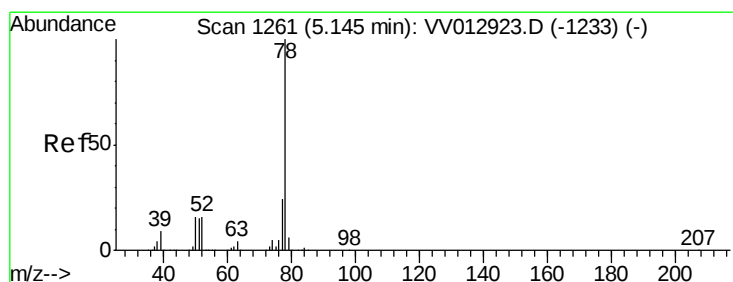
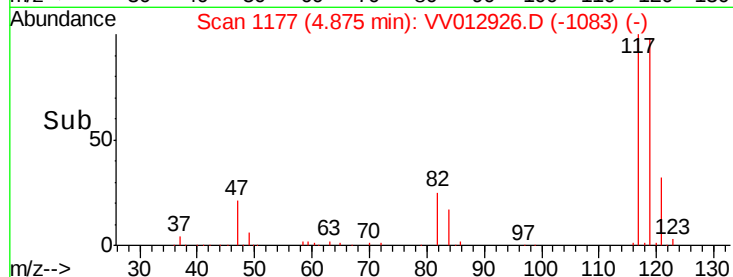
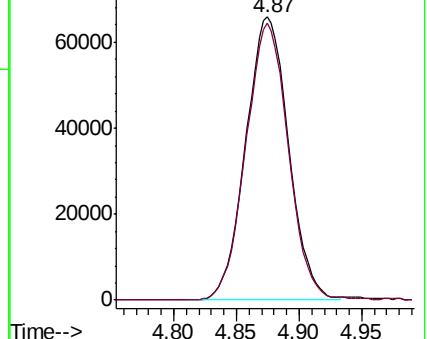
117 100

119 97.3 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.967 ug/L

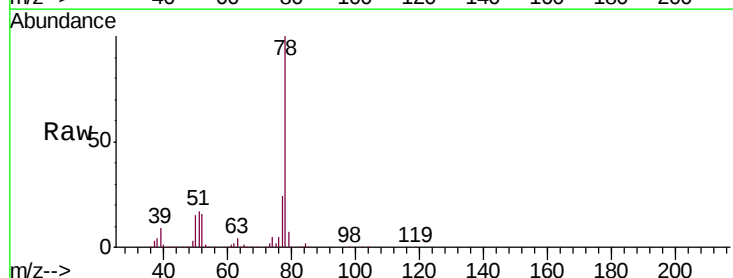
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

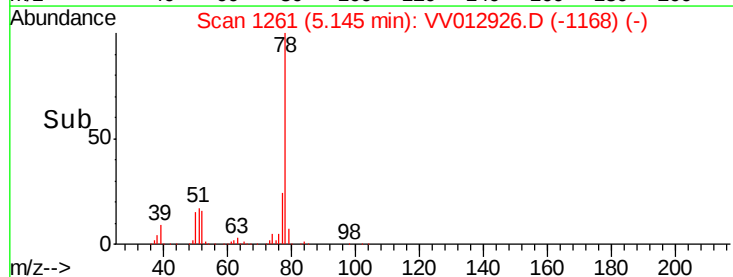
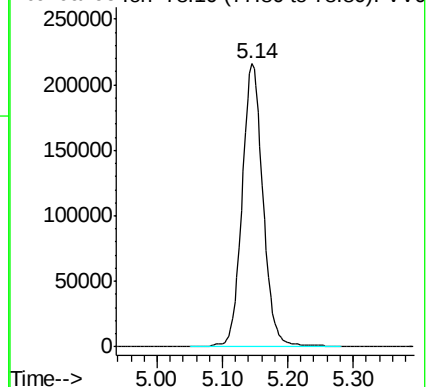
Lab File: VV012926.D

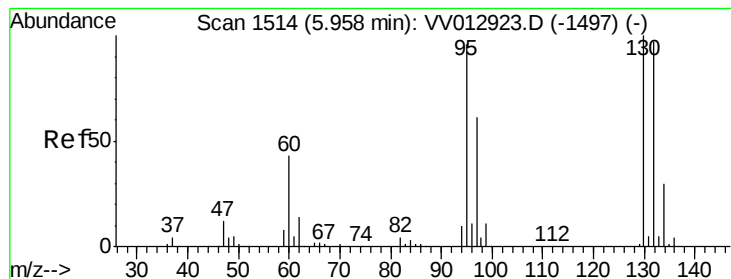
Acq: 20 Sep 2019 16:08

Tgt Ion: 78 Resp: 481035



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.068 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampled :

VSTD00544

Tgt Ion: 95 Resp: 126424

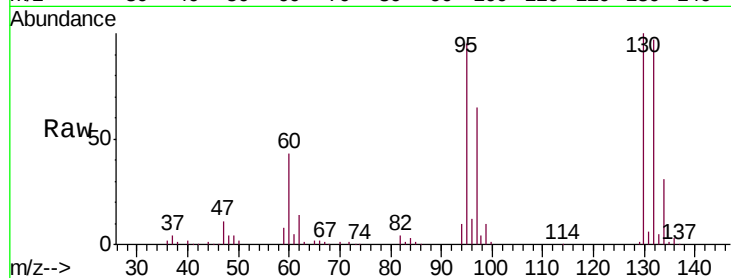
Ion Ratio Lower Upper

95 100

97 68.7 45.3 84.1

132 102.9 70.6 131.0

130 105.6 71.8 133.4

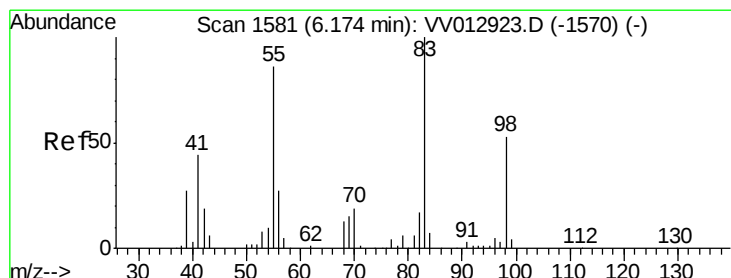
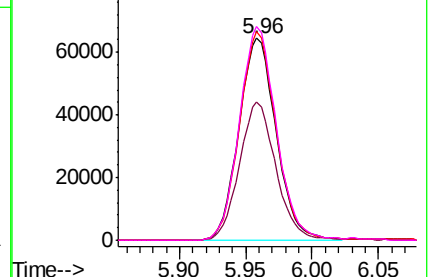
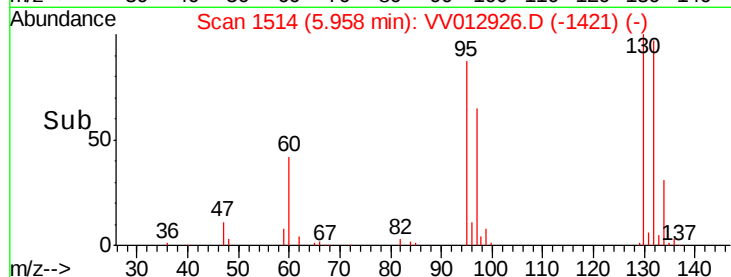


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.844 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

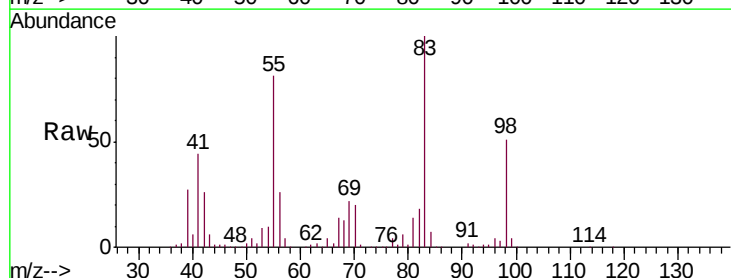
Tgt Ion: 83 Resp: 162141

Ion Ratio Lower Upper

83 100

55 80.5 63.8 95.6

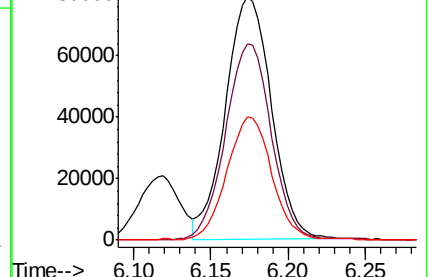
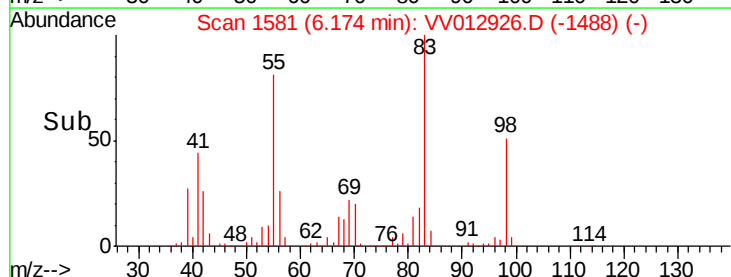
98 50.3 38.2 57.4

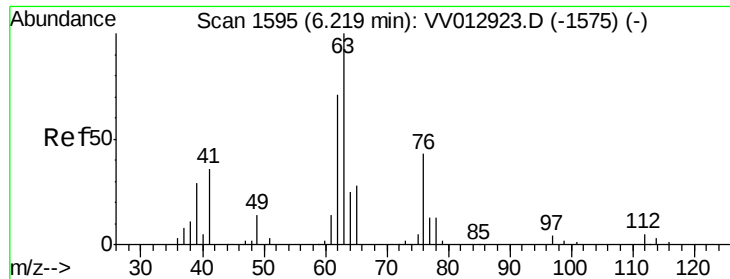


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

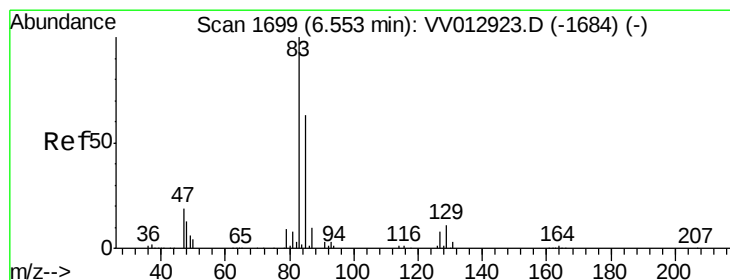
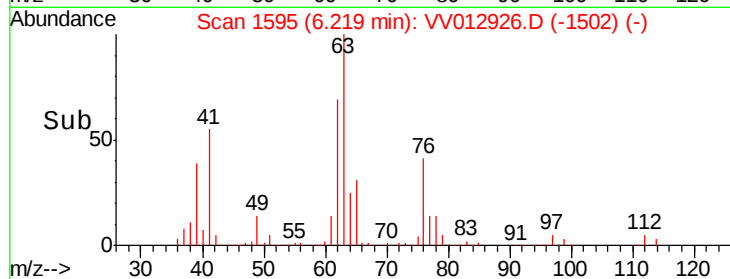
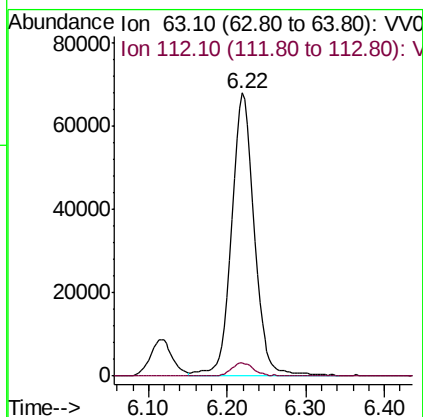
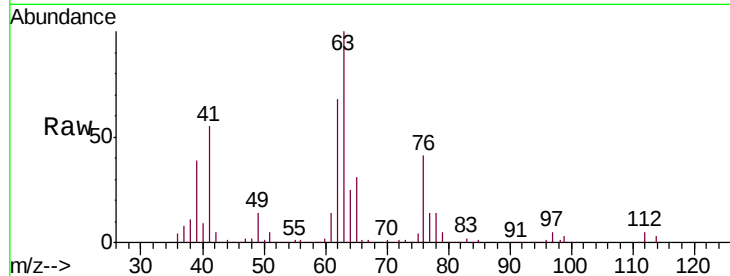




#37
 1,2-Dichloropropane
 Concen: 5.106 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

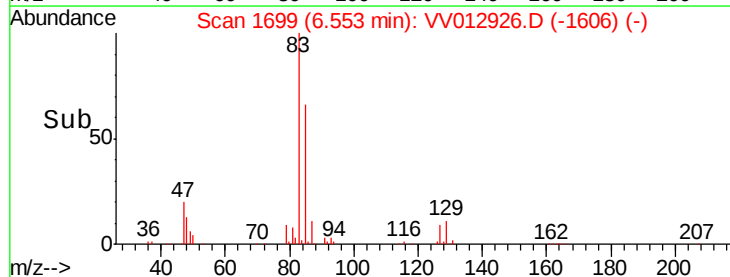
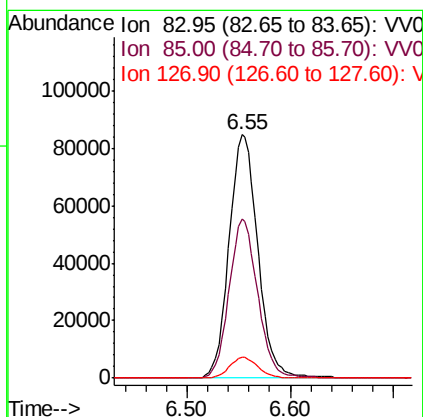
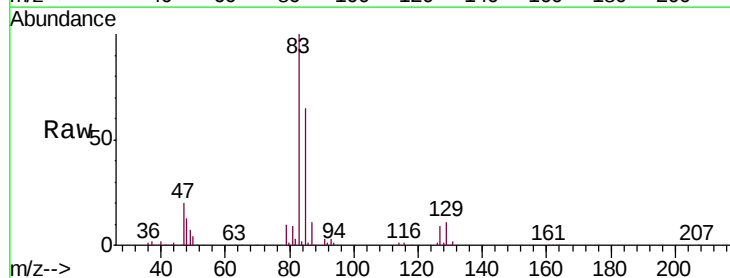
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

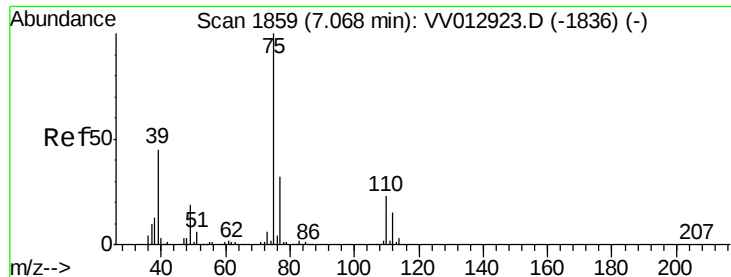
Tgt Ion: 63 Resp: 134731
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.797 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Tgt Ion: 83 Resp: 164762
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.9 83.5
 127 8.7 6.8 10.2

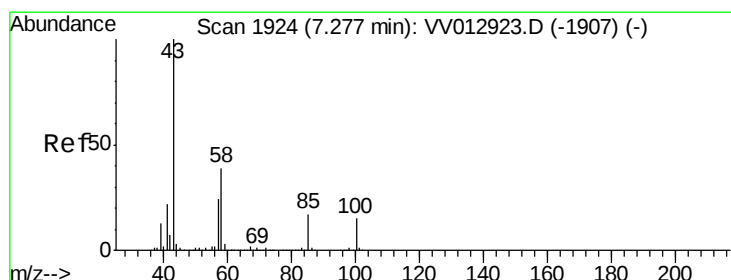
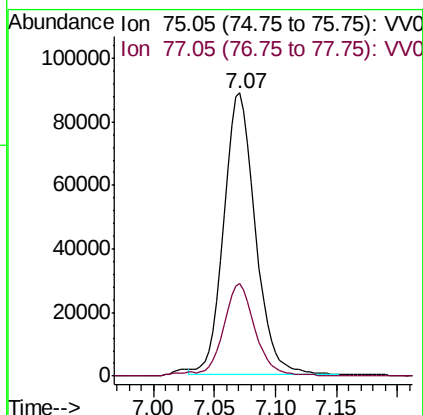
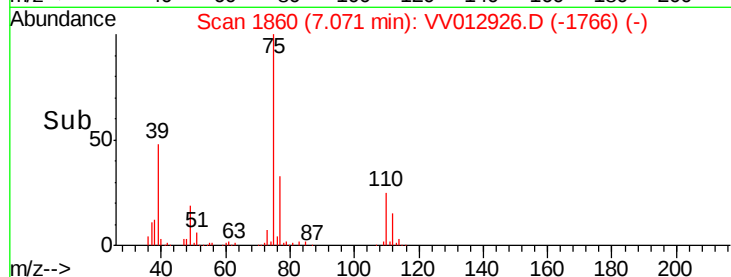
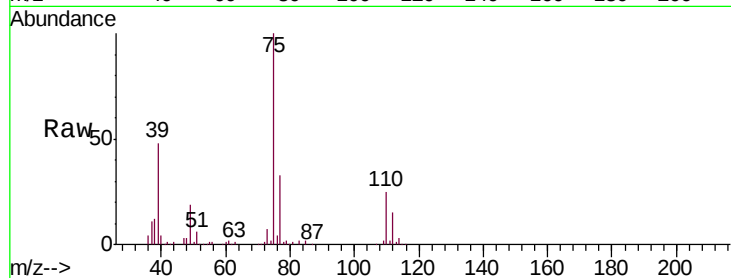




#39
 cis-1,3-Dichloropropene
 Concen: 4.623 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

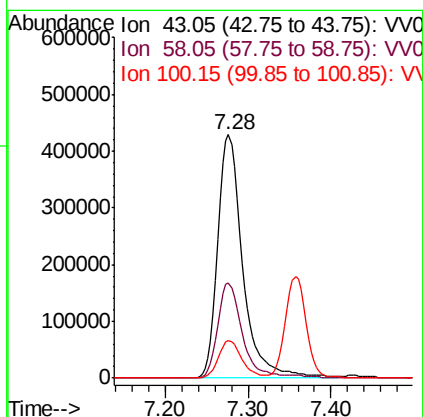
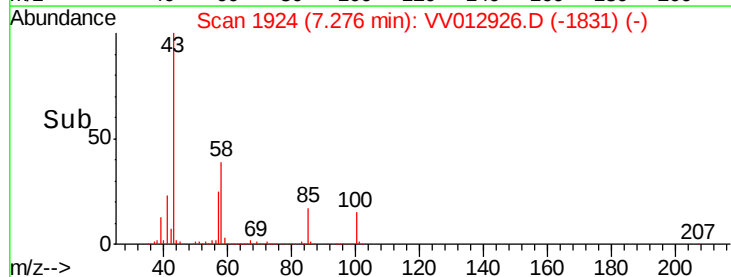
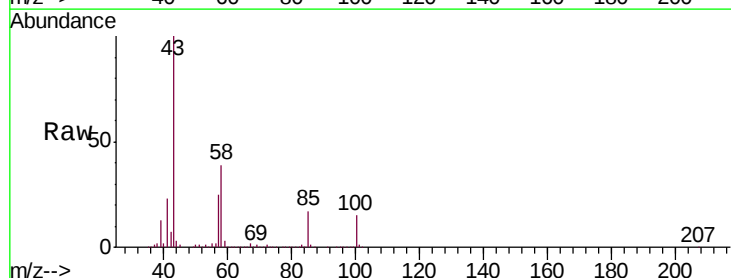
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

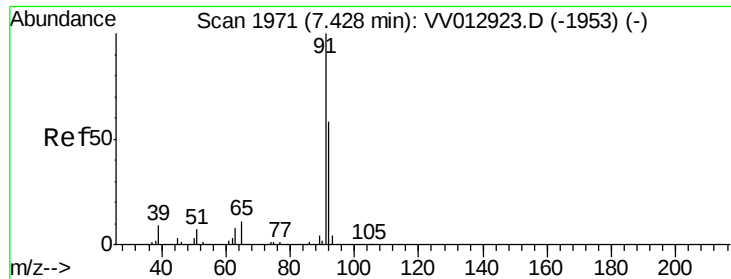
Tgt Ion: 75 Resp: 161618
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 52.841 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Tgt Ion: 43 Resp: 897927
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.8 46.2
 100 14.4 11.8 17.6





#42

Toluene

Concen: 5.088 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

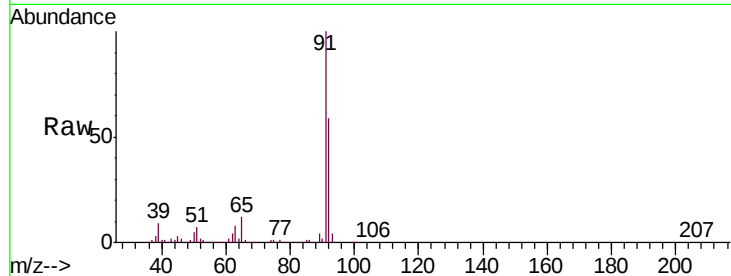
VSTD00544

Tgt Ion: 91 Resp: 512942

Ion Ratio Lower Upper

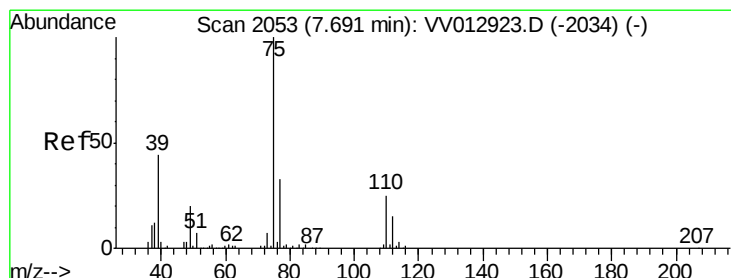
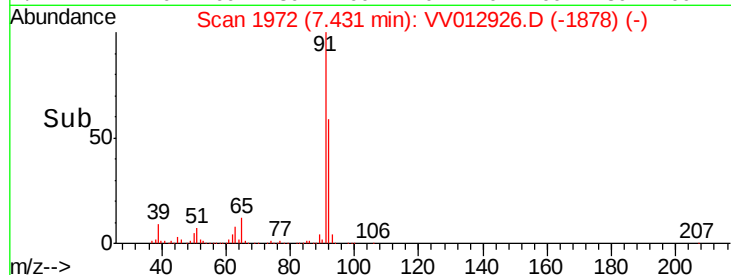
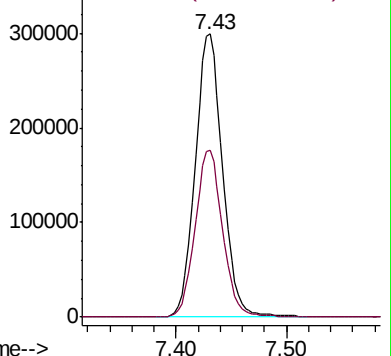
91 100

92 58.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.907 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012926.D

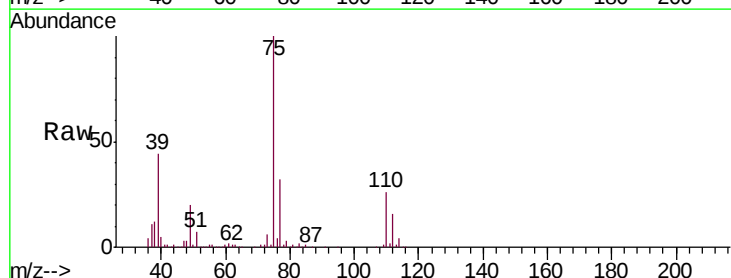
Acq: 20 Sep 2019 16:08

Tgt Ion: 75 Resp: 137003

Ion Ratio Lower Upper

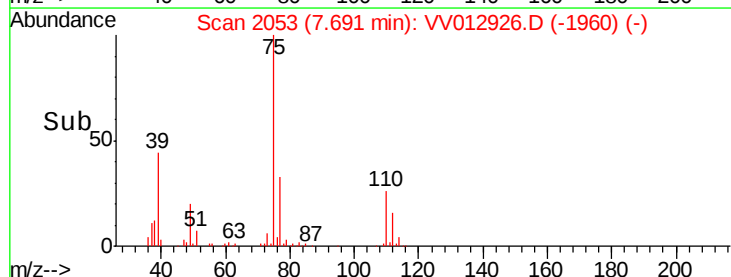
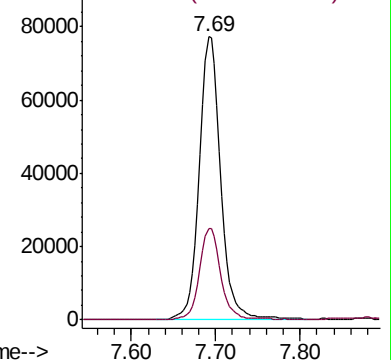
75 100

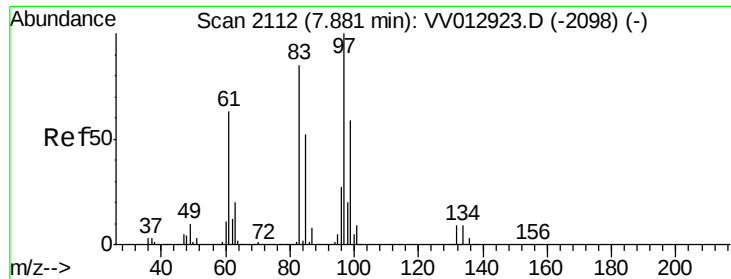
77 32.5 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

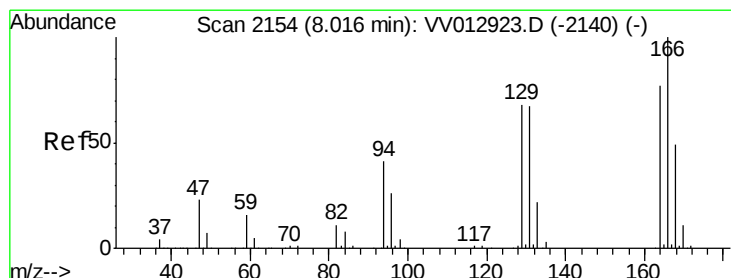
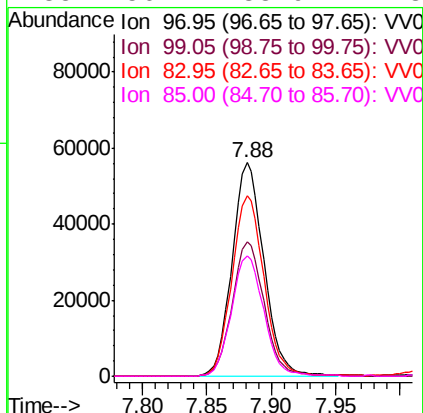
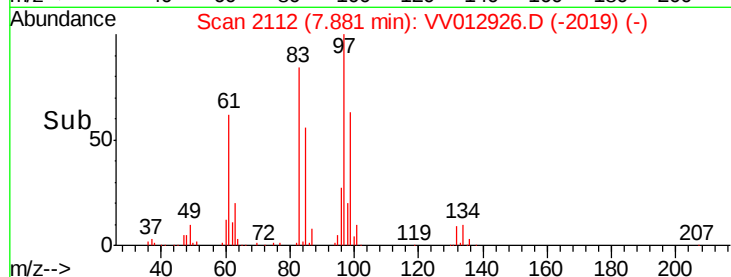
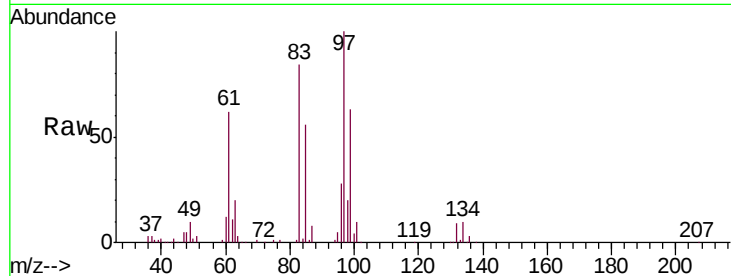




#45
 1,1,2-Trichloroethane
 Concen: 4.879 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

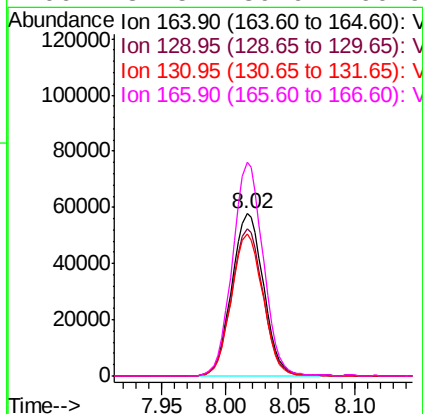
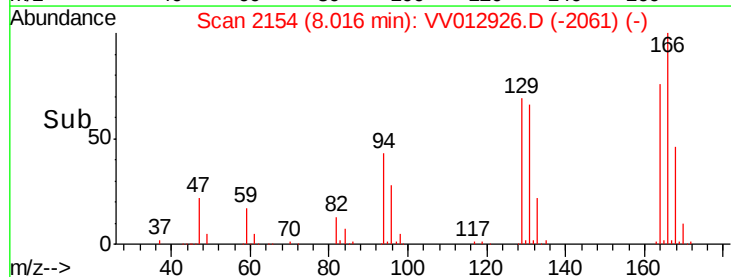
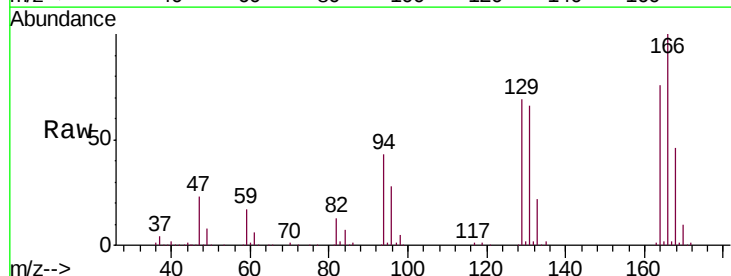
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

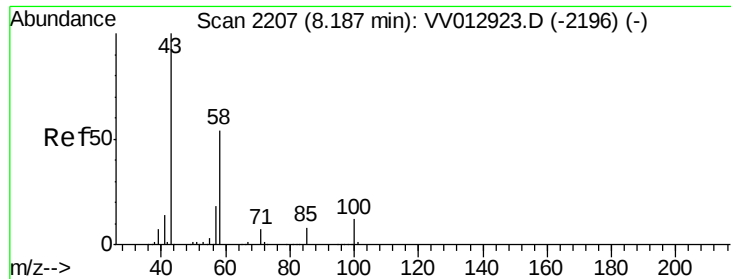
Tgt Ion:	97	Resp:	96502
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.7	81.1
83	84.4	60.6	112.6
85	56.2	38.9	72.3



#47
 Tetrachloroethene
 Concen: 4.955 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Tgt Ion:	164	Resp:	99316
Ion	Ratio	Lower	Upper
164	100		
129	90.3	63.8	118.6
131	87.1	63.1	117.3
166	131.5	89.9	166.9

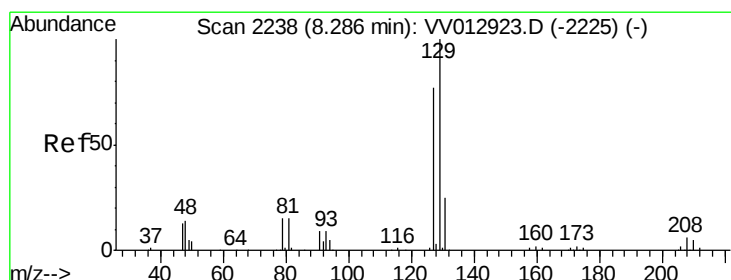
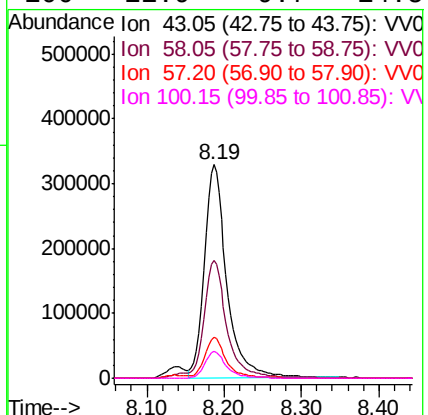
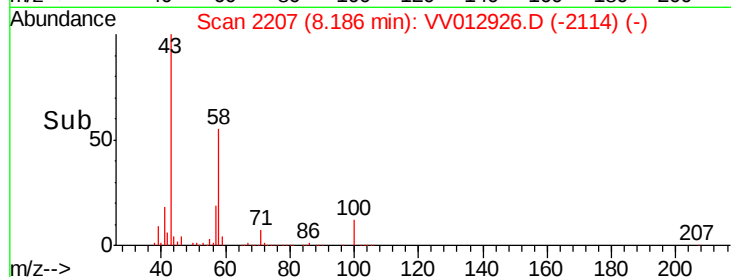
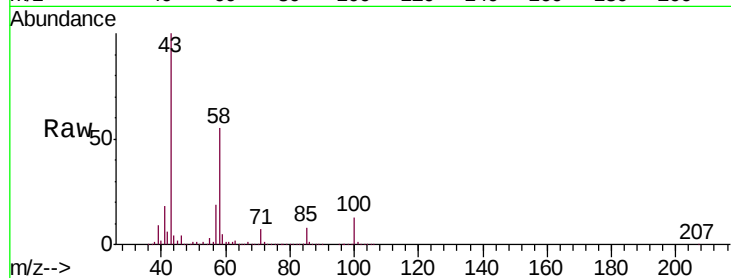




#48
2-Hexanone
Concen: 54.284 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

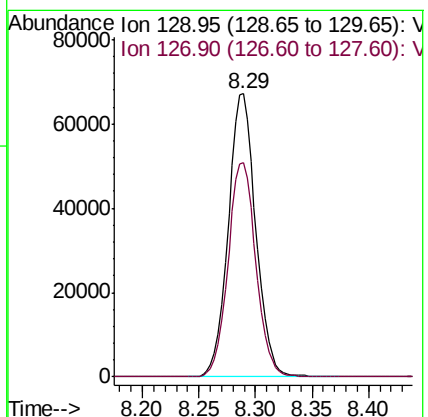
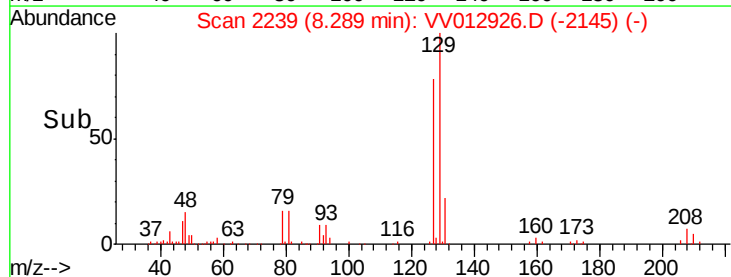
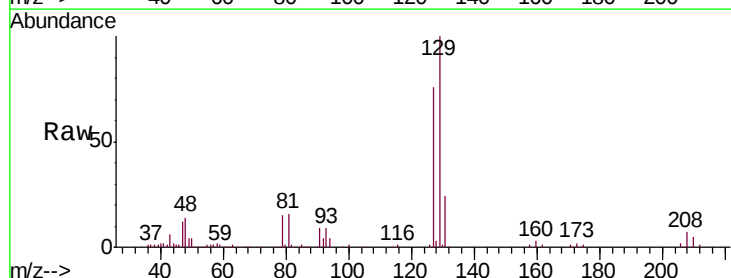
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

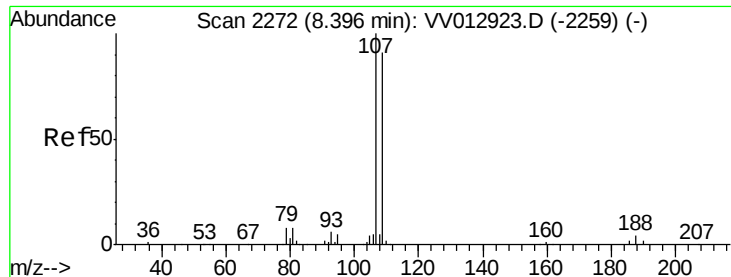
Tgt Ion: 43 Resp: 666516
Ion Ratio Lower Upper
43 100
58 57.6 44.5 66.7
57 18.9 15.0 22.6
100 11.9 9.7 14.5



#49
Dibromochloromethane
Concen: 5.042 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

Tgt Ion: 129 Resp: 113547
Ion Ratio Lower Upper
129 100
127 75.7 54.7 101.7

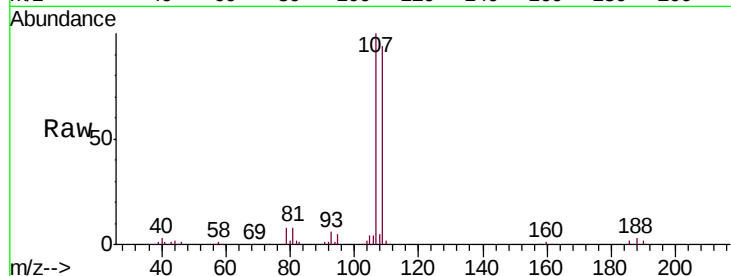




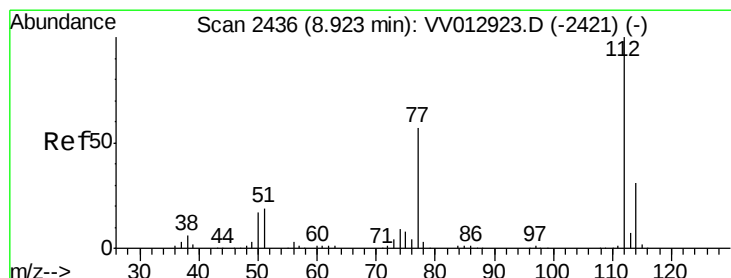
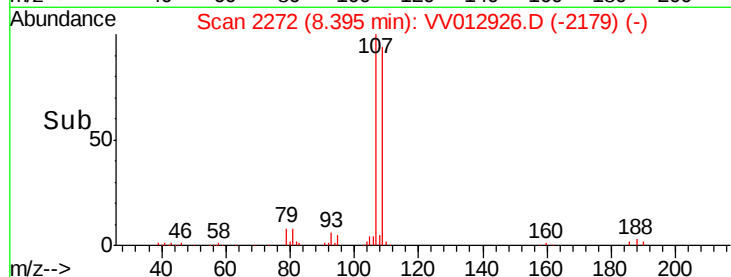
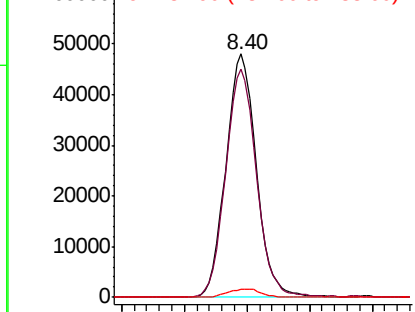
#50
 1,2-Dibromoethane
 Concen: 4.920 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion:107 Resp: 80988
 Ion Ratio Lower Upper
 107 100
 109 93.7 68.0 126.2
 188 3.1 3.2 4.8#

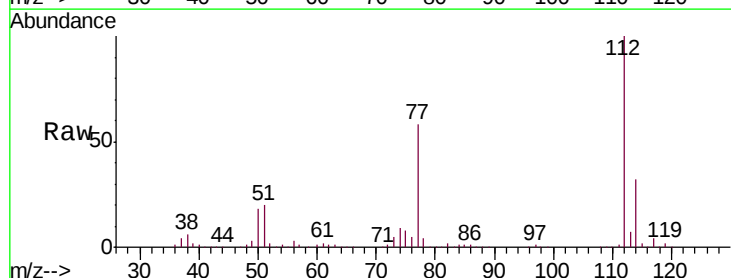


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

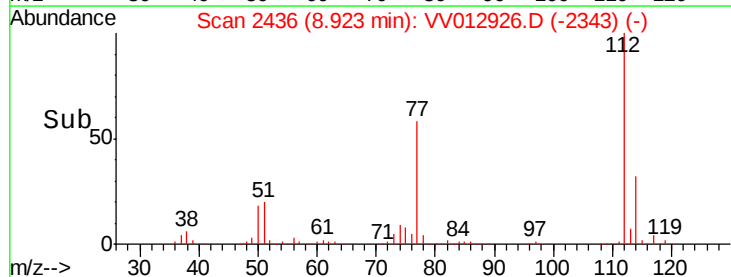
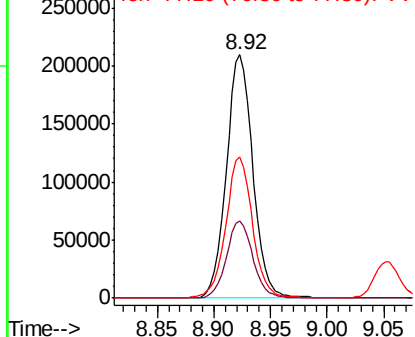


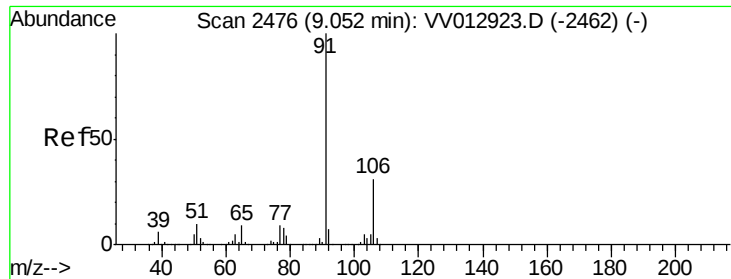
#51
 Chlorobenzene
 Concen: 4.939 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Tgt Ion:112 Resp: 341694
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.3 41.5
 77 57.8 45.8 68.8



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: 5.022 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

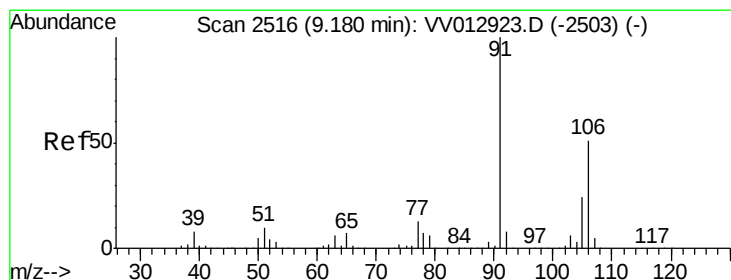
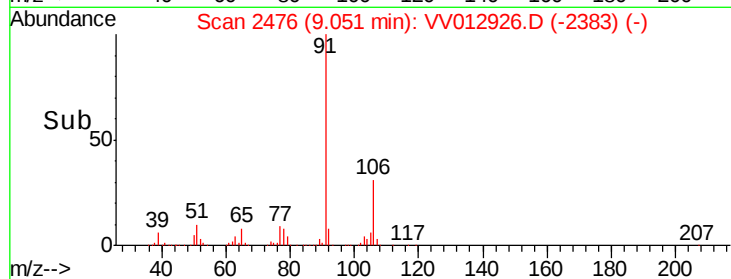
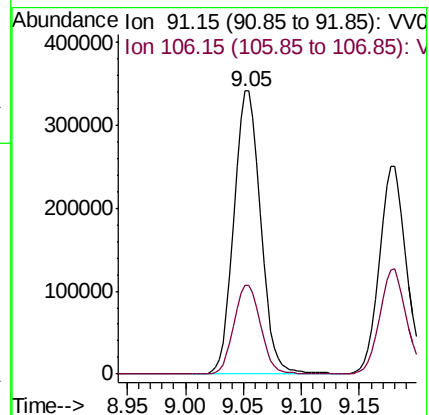
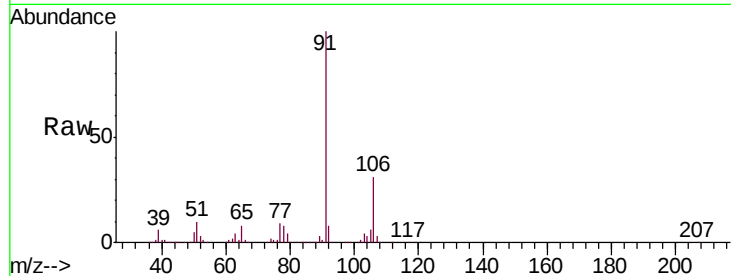
VSTD00544

Tgt Ion: 91 Resp: 543068

Ion Ratio Lower Upper

91 100

106 31.5 21.7 40.3



#53

m,p-xylene

Concen: 5.189 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012926.D

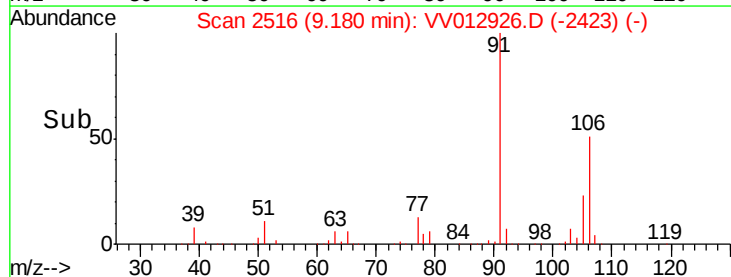
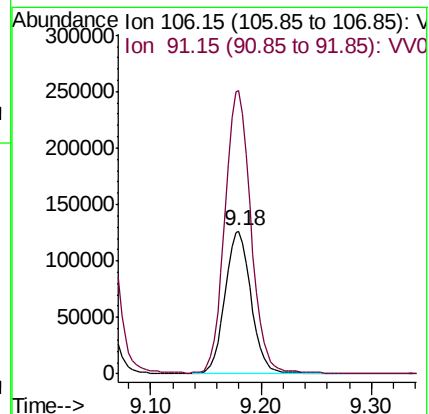
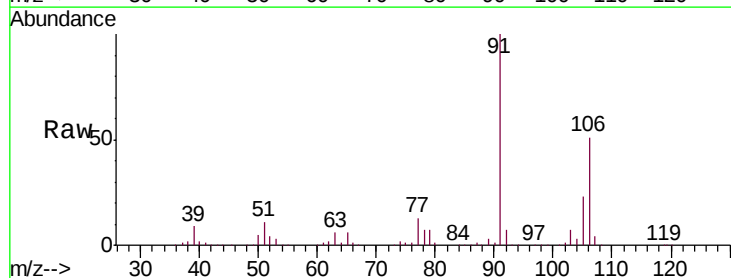
Acq: 20 Sep 2019 16:08

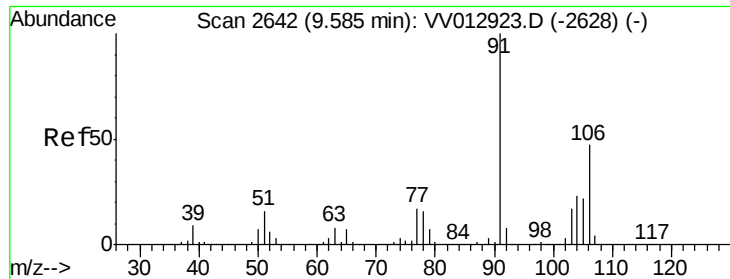
Tgt Ion: 106 Resp: 206956

Ion Ratio Lower Upper

106 100

91 197.8 139.6 259.2

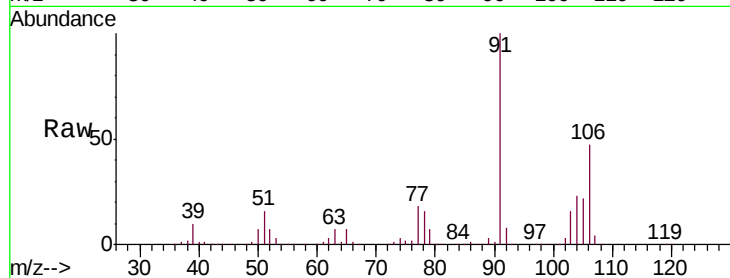




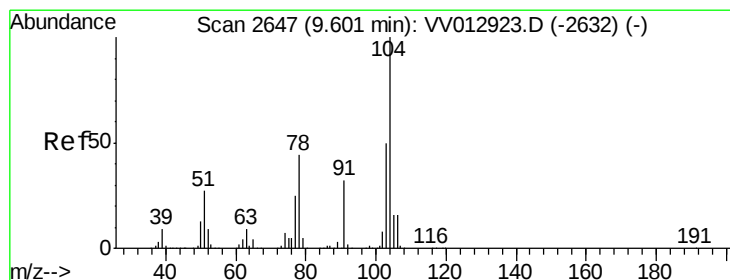
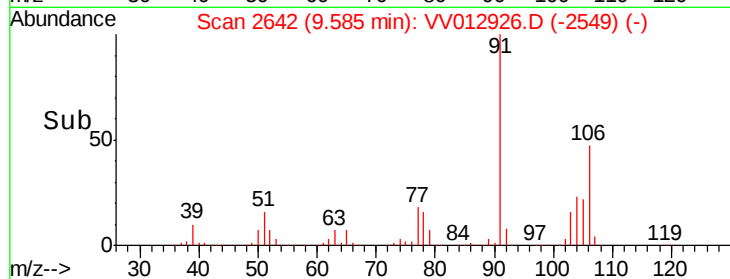
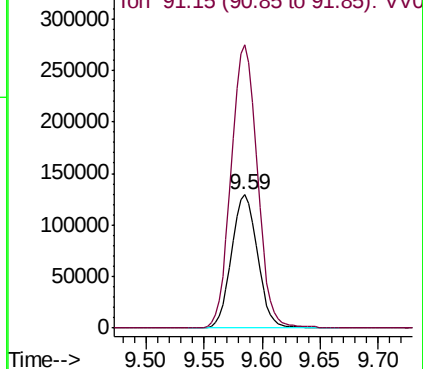
#54
o-xylene
Concen: 5.142 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tgt Ion:106 Resp: 201627
Ion Ratio Lower Upper
106 100
91 212.8 147.4 273.8

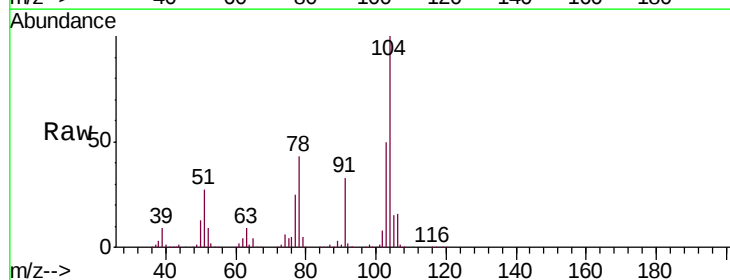


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

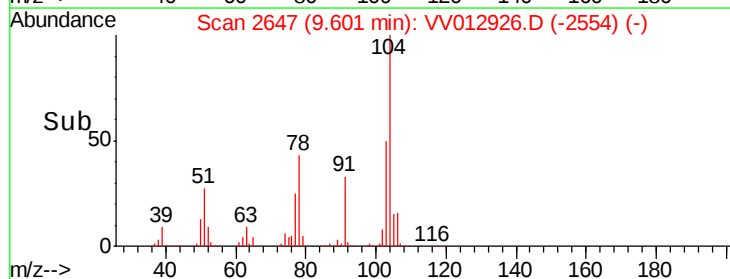
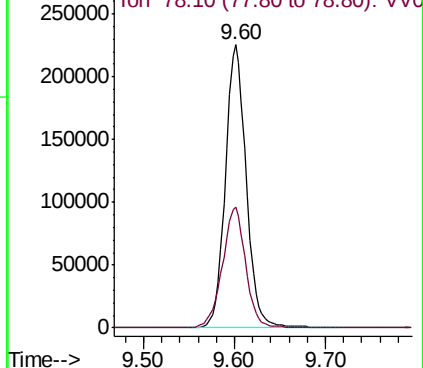


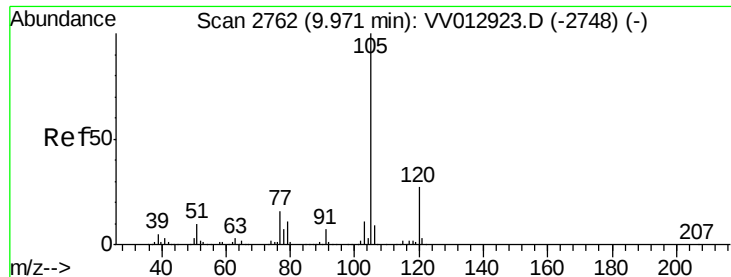
#55
Styrene
Concen: 5.346 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012926.D
Acq: 20 Sep 2019 16:08

Tgt Ion:104 Resp: 359607
Ion Ratio Lower Upper
104 100
78 42.8 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.255 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

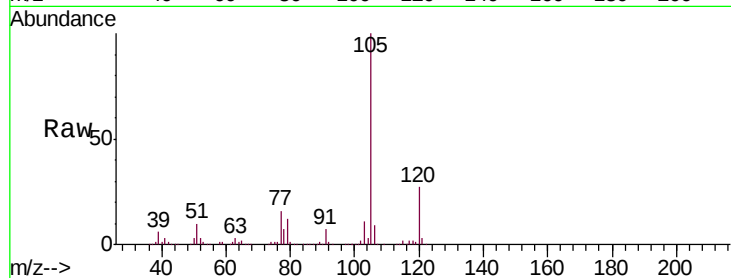
Tgt Ion: 105 Resp: 552829

Ion Ratio Lower Upper

105 100

120 26.8 20.8 31.2

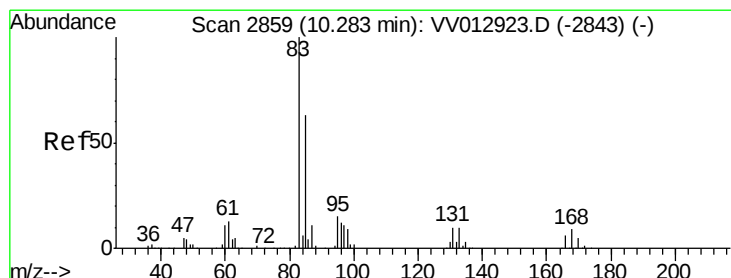
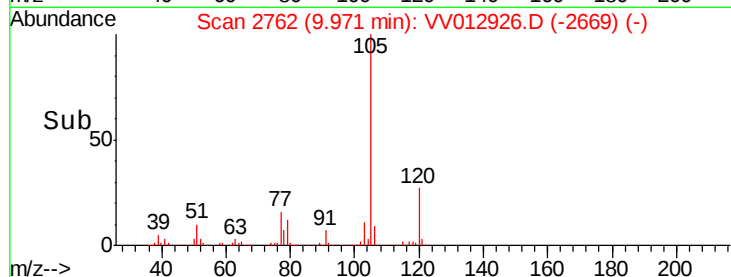
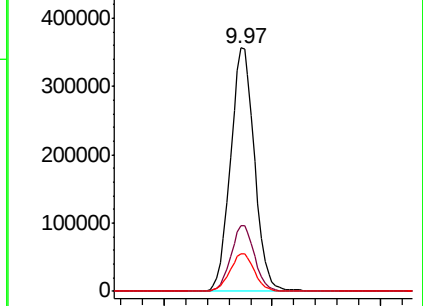
77 15.7 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.232 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

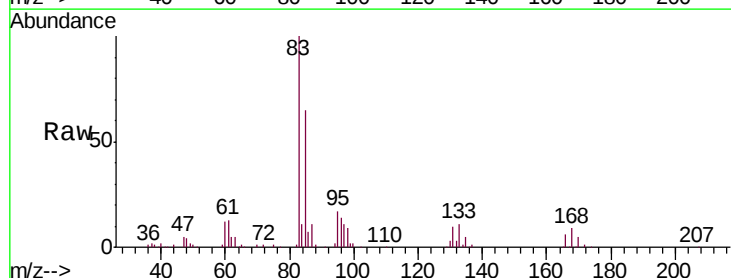
Tgt Ion: 83 Resp: 104827

Ion Ratio Lower Upper

83 100

85 65.1 43.9 81.5

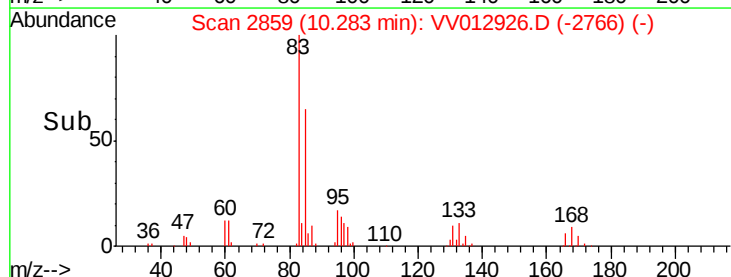
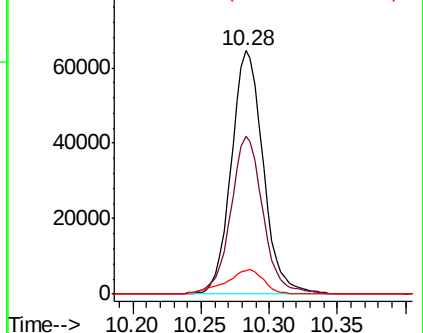
131 9.9 7.5 11.3

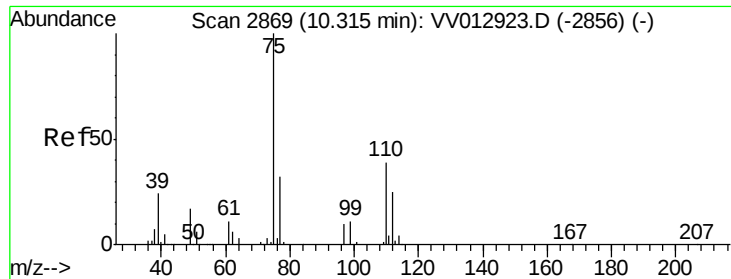


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.859 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

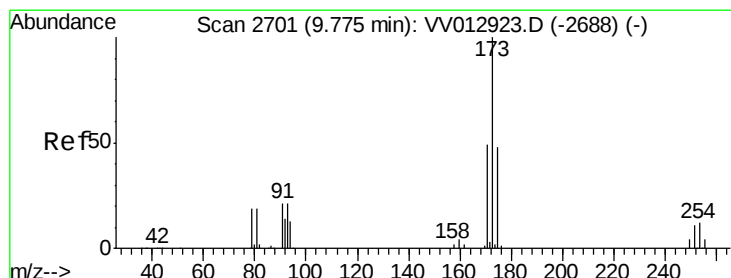
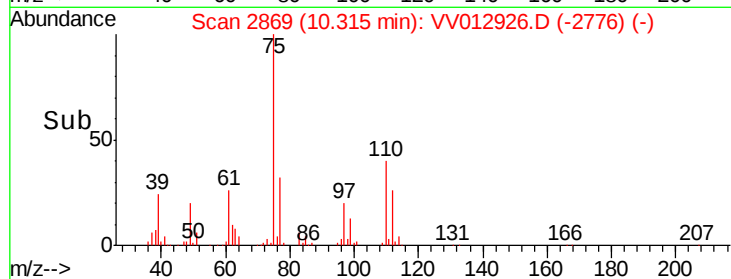
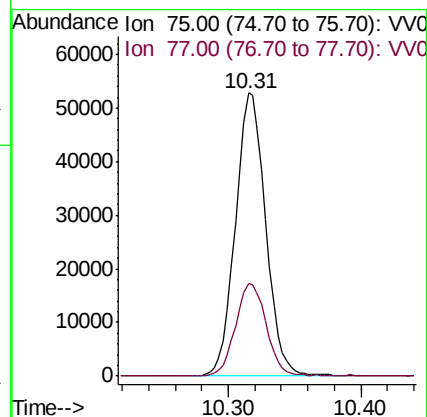
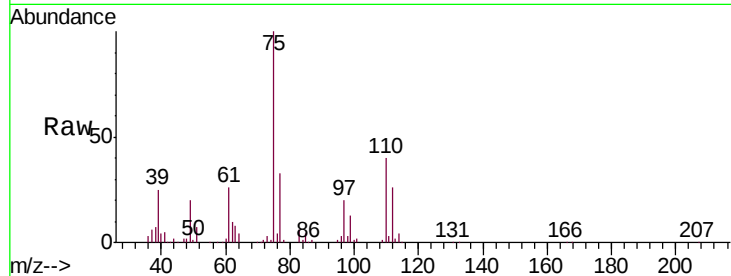
VSTD00544

Tgt Ion: 75 Resp: 83643

Ion Ratio Lower Upper

75 100

77 33.5 26.1 39.1



#61

Bromoform

Concen: 5.015 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

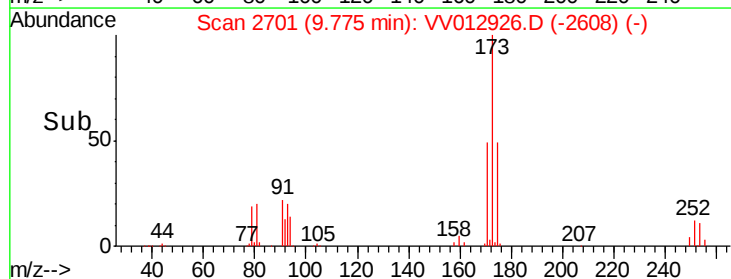
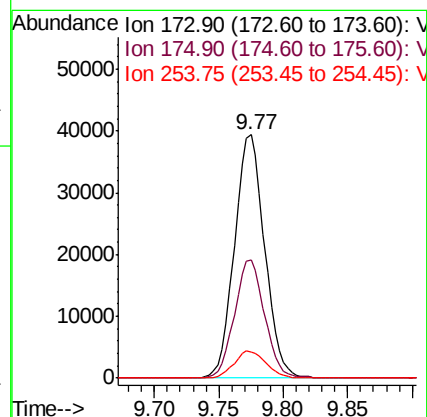
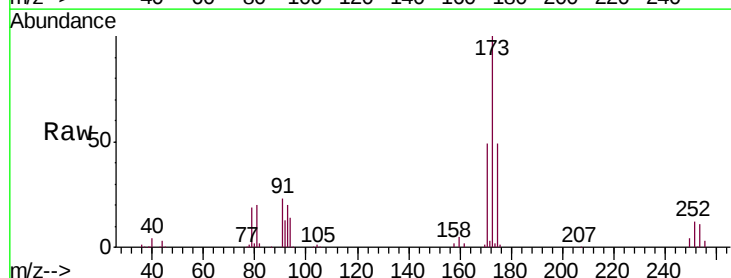
Tgt Ion: 173 Resp: 63975

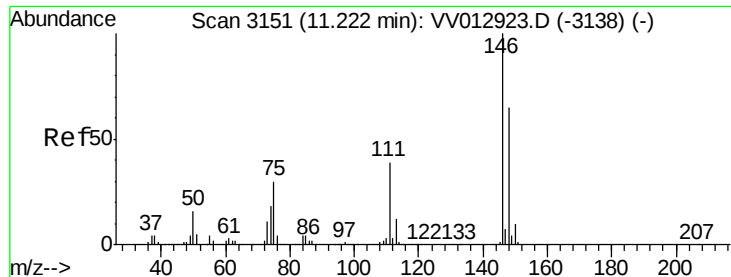
Ion Ratio Lower Upper

173 100

175 48.2 39.2 58.8

254 11.7 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 4.938 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

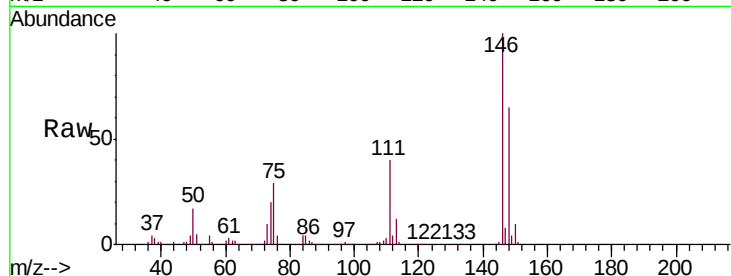
Tgt Ion:146 Resp: 274568

Ion Ratio Lower Upper

146 100

111 39.6 27.8 51.6

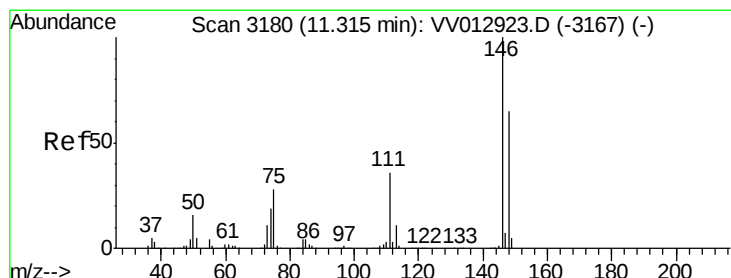
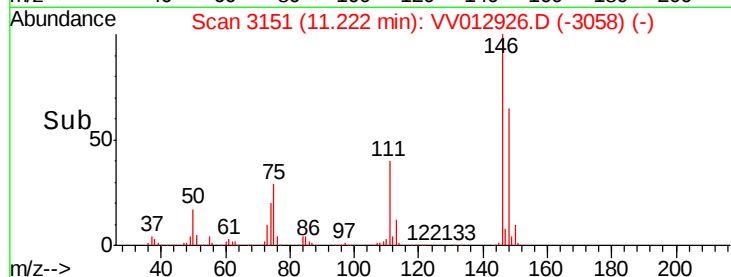
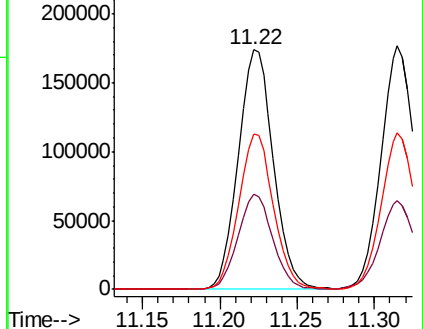
148 64.7 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.776 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

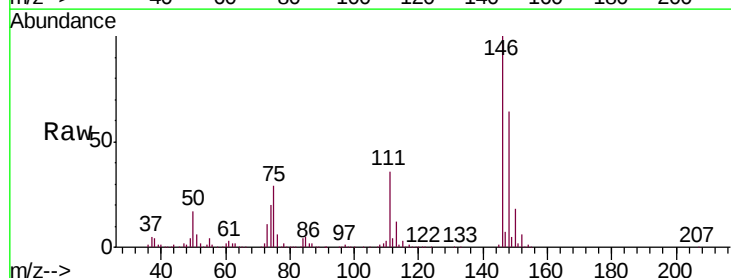
Tgt Ion:146 Resp: 272483

Ion Ratio Lower Upper

146 100

111 36.3 25.6 47.4

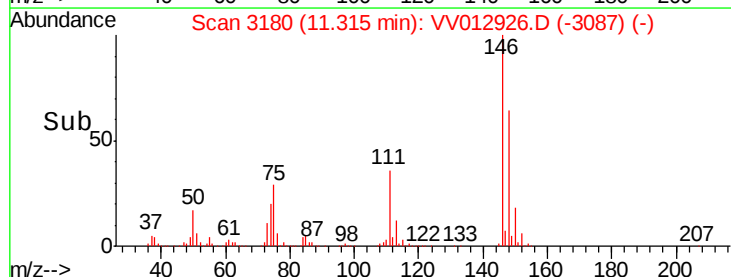
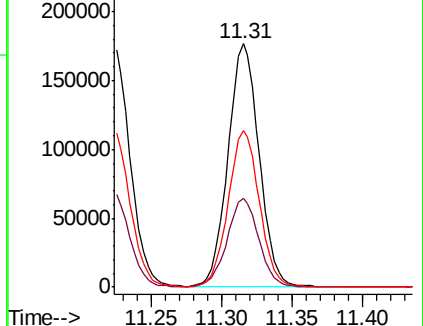
148 64.4 44.5 82.7

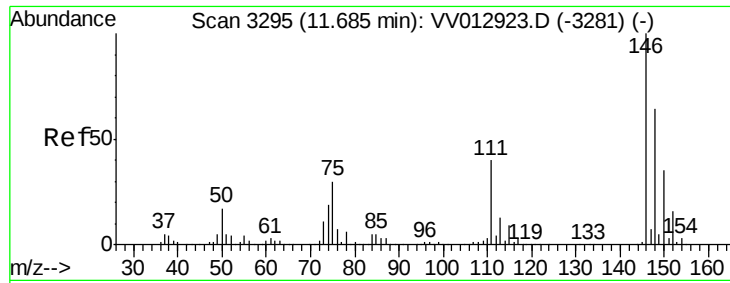


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.921 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

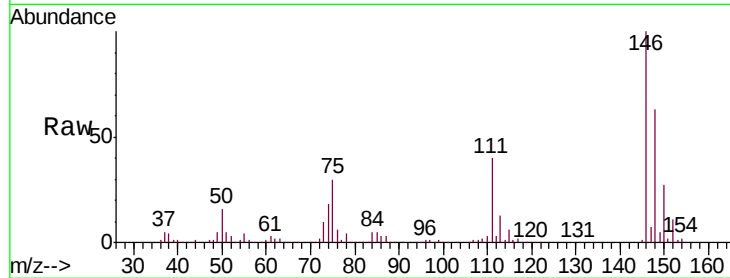
Tgt Ion:146 Resp: 269850

Ion Ratio Lower Upper

146 100

111 40.1 32.8 49.2

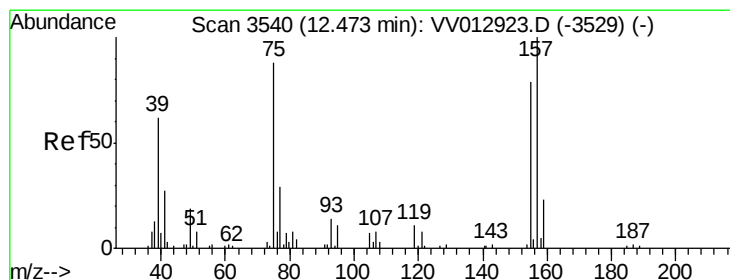
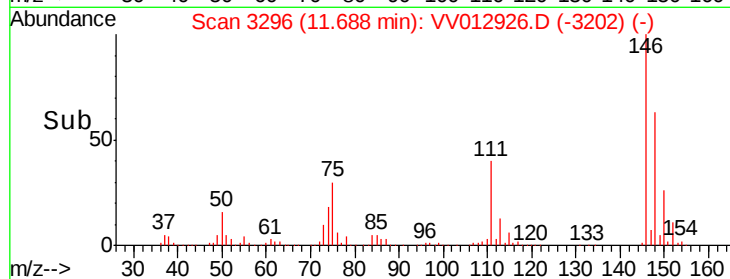
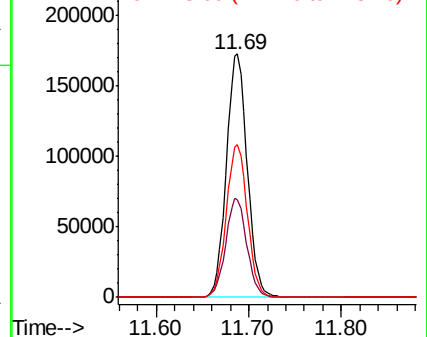
148 62.6 51.1 76.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.394 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

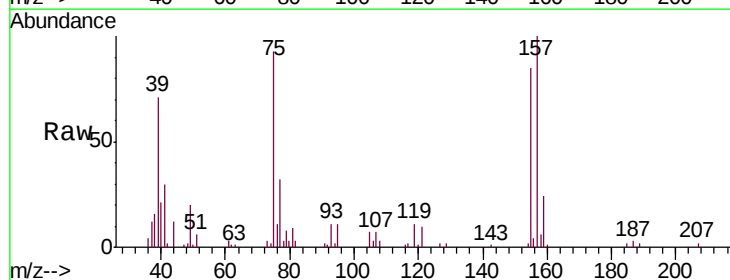
Tgt Ion: 75 Resp: 16561

Ion Ratio Lower Upper

75 100

155 90.7 72.4 108.6

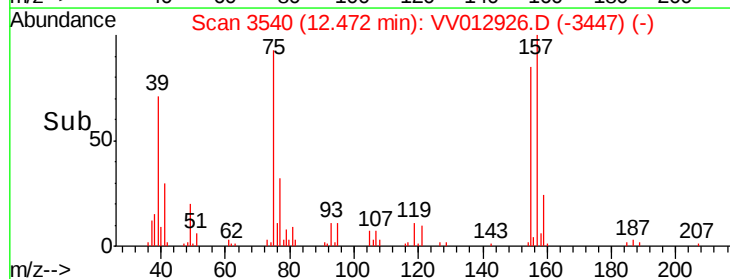
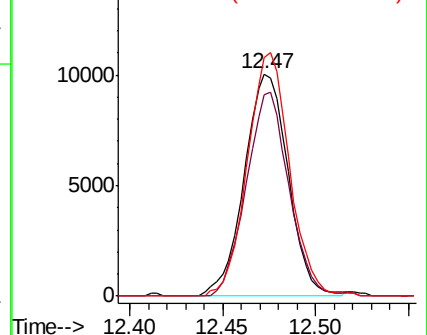
157 107.3 89.3 133.9

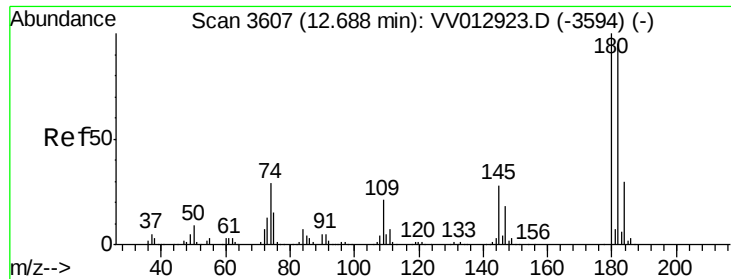


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

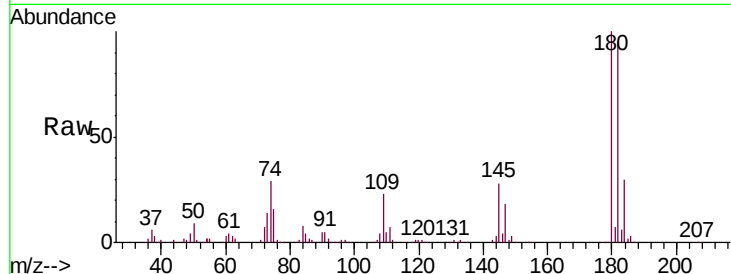




#67
 1,3,5-Trichlorobenzene
 Concen: 4.664 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion:	180	Resp:	202736
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.4
184	30.6	24.6	36.8
145	28.2	22.1	33.1



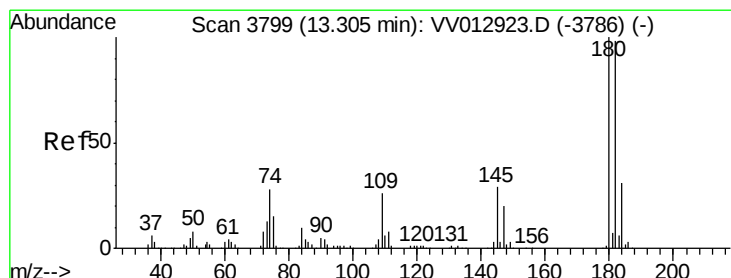
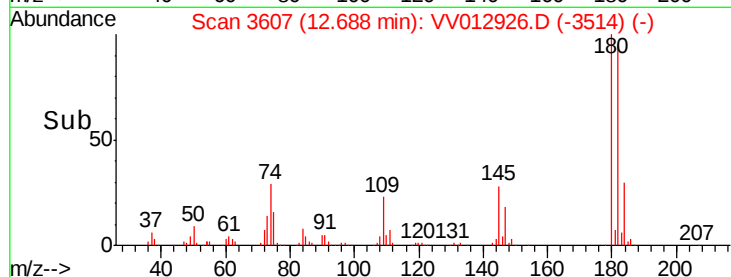
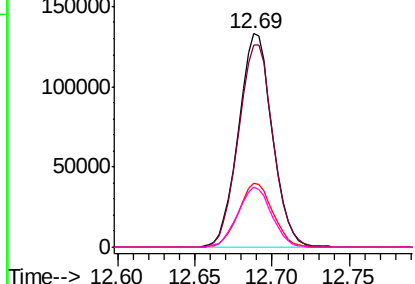
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

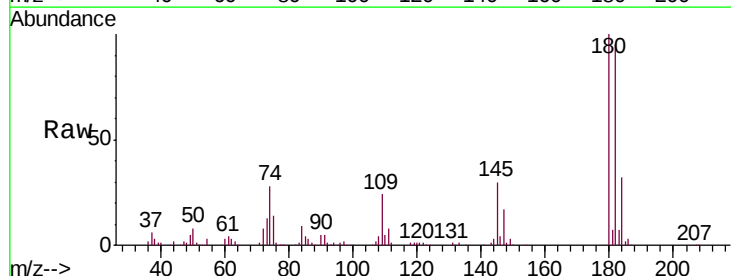
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.543 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012926.D
 Acq: 20 Sep 2019 16:08

Tgt Ion:	180	Resp:	158581
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
145	29.2	22.9	34.3

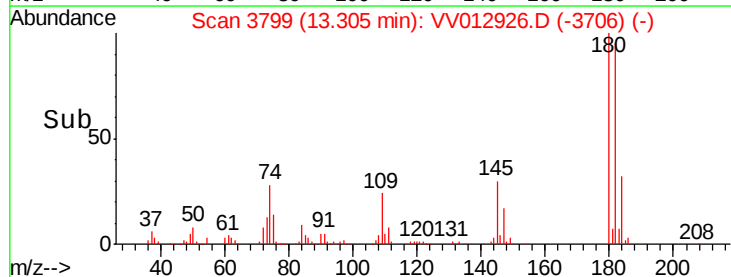
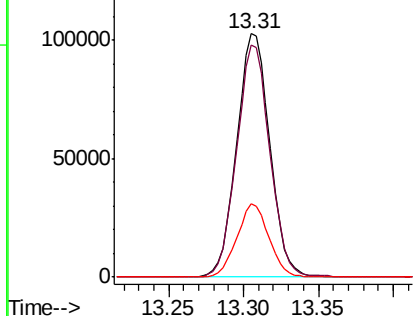


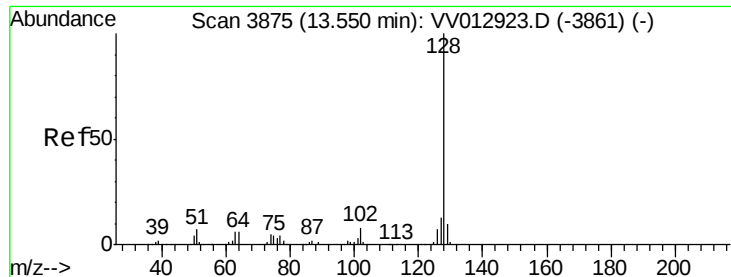
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.369 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

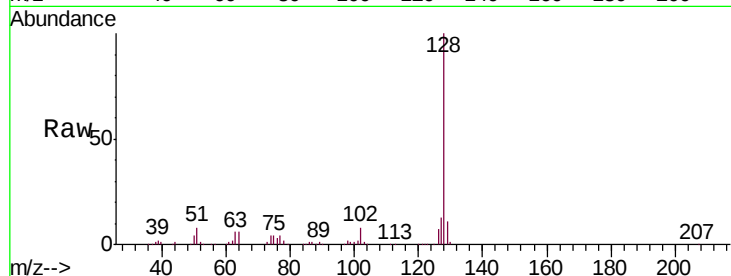
Tgt Ion:128 Resp: 230467

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

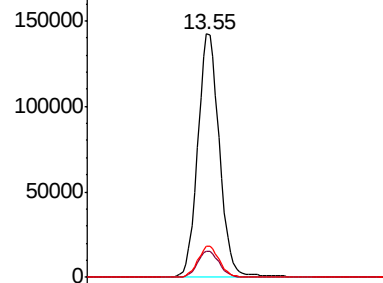
127 12.8 10.5 15.7



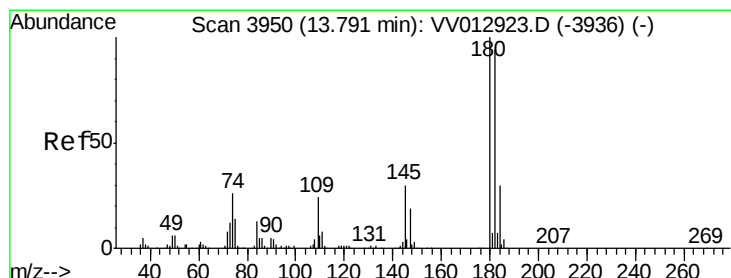
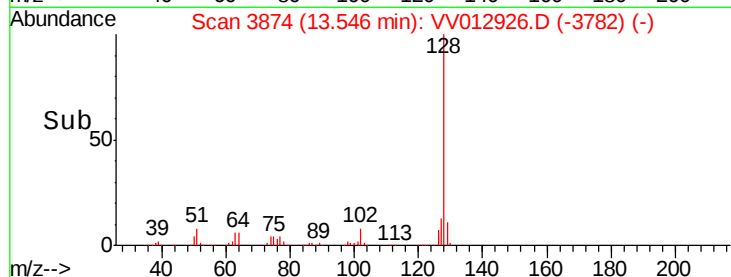
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 4.644 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012926.D

Acq: 20 Sep 2019 16:08

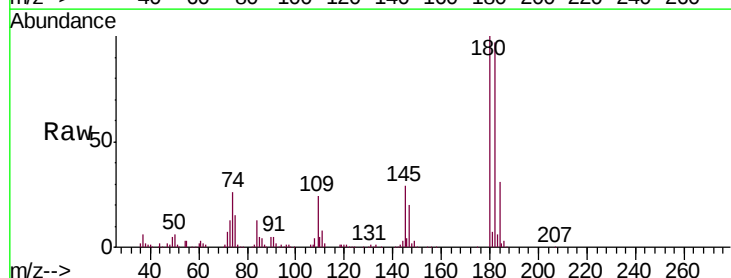
Tgt Ion:180 Resp: 159939

Ion Ratio Lower Upper

180 100

182 97.0 76.1 114.1

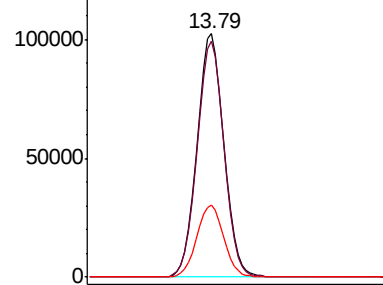
145 29.8 23.7 35.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V



Time-->

