

Data File : VV012598.D
Acq On : 06 Sep 2019 15:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Sep 06 23:13:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 23:09:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	191084	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	188603	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	91899	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71113	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.58	69	67005	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.13	63	181046	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	3.97	46	170822	49.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.02%
24) Chloroform-d	4.40	84	122147	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.08	65	60639	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	5.09	84	213892	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.11	67	69076	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.36	98	196417	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.66	79	24551	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.14	63	108505	52.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	50621	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	65437	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	101410	5.053 ug/L	96
3) Chloromethane	1.25	50	133196	4.895 ug/L	99
5) Vinyl chloride	1.32	62	139400	4.979 ug/L	100
6) Bromomethane	1.53	94	73907	4.343 ug/L	95
8) Chloroethane	1.60	64	95090	5.111 ug/L	99
9) Trichlorofluoromethane	1.77	101	216009	5.067 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	123332	5.180 ug/L	99
12) 1,1-Dichloroethene	2.14	96	115222	5.062 ug/L	96
13) Acetone	2.23	43	221791	52.456 ug/L	66
14) Carbon disulfide	2.32	76	355650	4.903 ug/L	99
15) Methyl Acetate	2.47	43	52321	4.701 ug/L	96
16) Methylene chloride	2.53	84	122425	4.643 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	194498	5.284 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	90421	4.969 ug/L	99
19) 1,1-Dichloroethane	3.23	63	180662	5.198 ug/L	97
21) 2-Butanone	4.05	43	243870	54.714 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	92085	5.149 ug/L	92

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Sep 06 23:13:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 23:09:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	39603	5.161	ug/L	95
25) Chloroform	4.42	83	182288	4.845	ug/L	99
27) 1,2-Dichloroethane	5.18	62	115653	5.151	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	148148	5.346	ug/L	99
30) Cyclohexane	4.72	56	158764	5.514	ug/L	97
31) Carbon tetrachloride	4.87	117	128402	5.215	ug/L	99
33) Benzene	5.14	78	379796	5.397	ug/L	100
34) Trichloroethene	5.96	95	98463	5.177	ug/L	98
35) Methylcyclohexane	6.17	83	158207	5.570	ug/L	99
37) 1,2-Dichloropropane	6.22	63	100703	5.622	ug/L	98
38) Bromodichloromethane	6.55	83	123408	5.291	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	123641	5.265	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	620001	58.105	ug/L	98
42) Toluene	7.43	91	419173	5.648	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	99200	5.501	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	62701	5.171	ug/L	99
47) Tetrachloroethene	8.02	164	73783	5.321	ug/L	93
48) 2-Hexanone	8.19	43	453706	60.265	ug/L	99
49) Dibromochloromethane	8.29	129	74412	5.412	ug/L	97
50) 1,2-Dibromoethane	8.39	107	56446	5.313	ug/L	93
51) Chlorobenzene	8.92	112	247988	5.409	ug/L	98
52) Ethylbenzene	9.05	91	439073	5.585	ug/L	98
53) m,p-xylene	9.18	106	161898	5.657	ug/L	99
54) o-xylene	9.59	106	153598	5.658	ug/L	99
55) Styrene	9.60	104	266135	5.886	ug/L	98
56) Isopropylbenzene	9.97	105	423157	5.846	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	68243	5.380	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	55125	5.166	ug/L	98
61) Bromoform	9.78	173	34238	4.843	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	182740	5.223	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	182793	5.209	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	169126	5.179	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	10636	4.849	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	124267	5.300	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	92516	5.390	ug/L	98
69) Naphthalene	13.55	128	138429	5.599	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	90977	5.675	ug/L	96

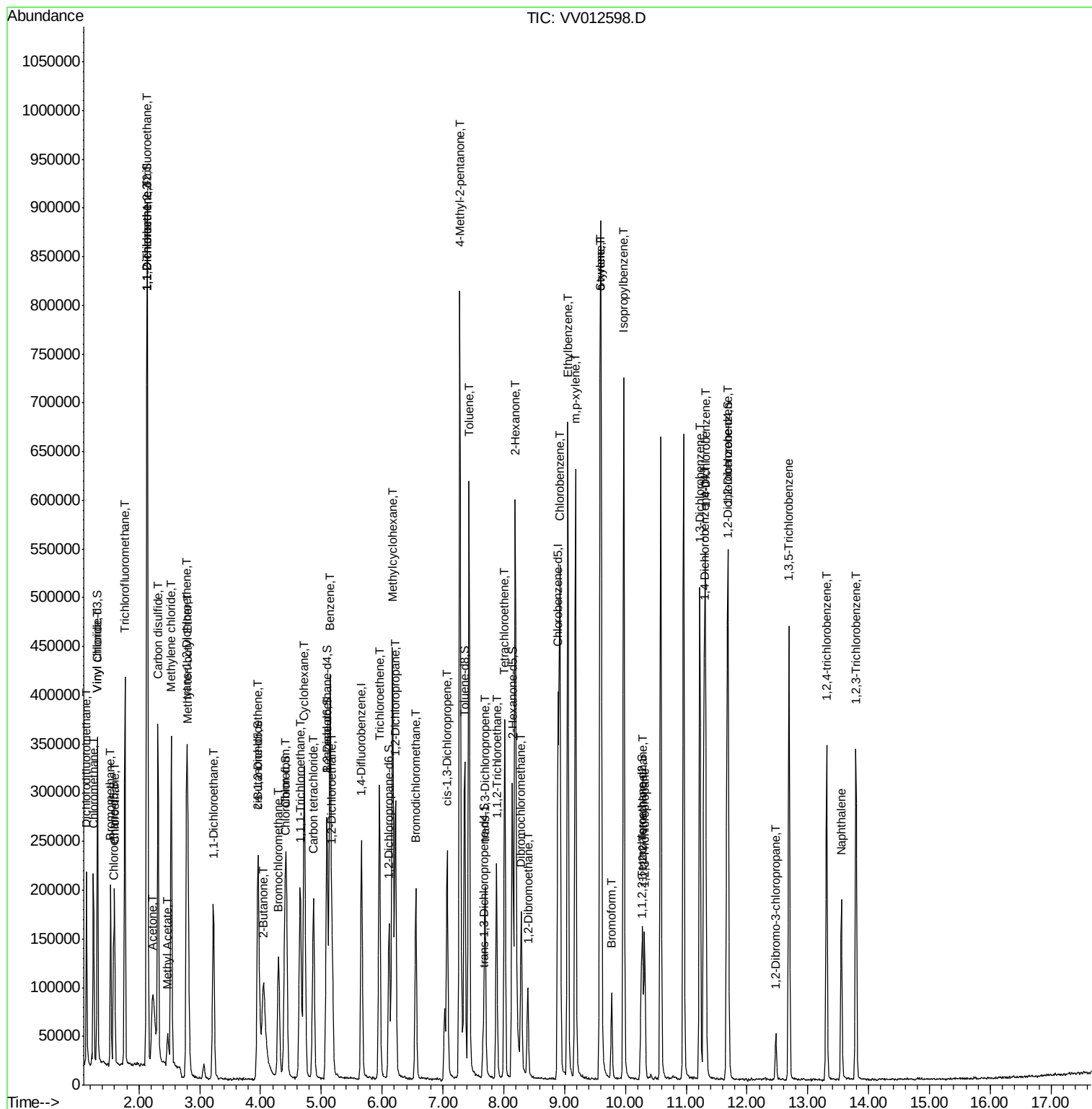
(#) = qualifier out of range (m) = manual integration (+) = signals summed

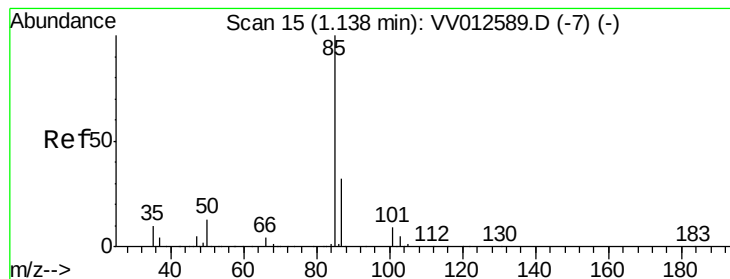
Data File : VV012598.D

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Acq On       : 06 Sep 2019 15:18
Operator     : SY/MD
Sample       : VSTDCCC005
Misc         : 25mL/MSVOA_V/WATER
ALS Vial     : 12      Sample Multip
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Sep 06 23:13:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
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#2

Dichlorodifluoromethane

Concen: 5.053 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

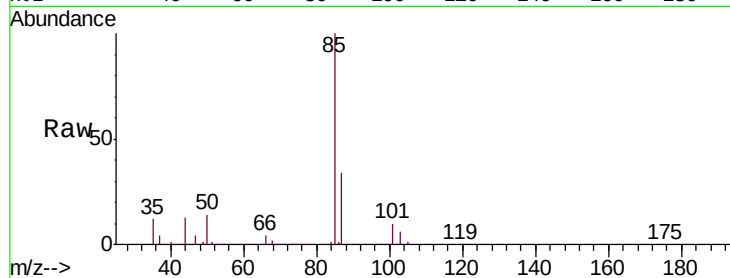
VSTD00544

Tgt Ion: 85 Resp: 101410

Ion Ratio Lower Upper

85 100

87 33.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV012589.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012589.D (-7) (-)

1.14

100000

80000

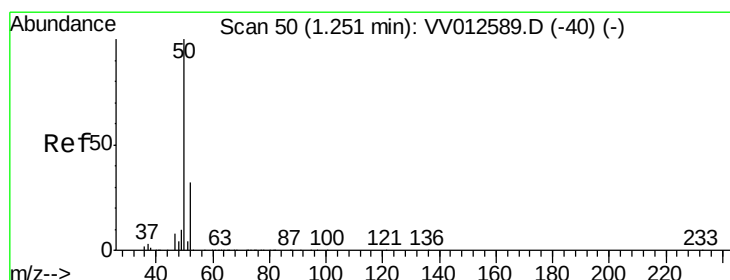
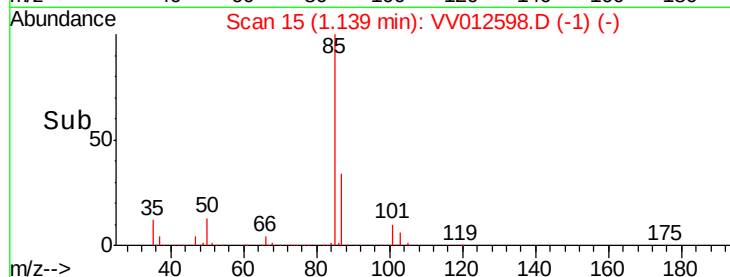
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.895 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012598.D

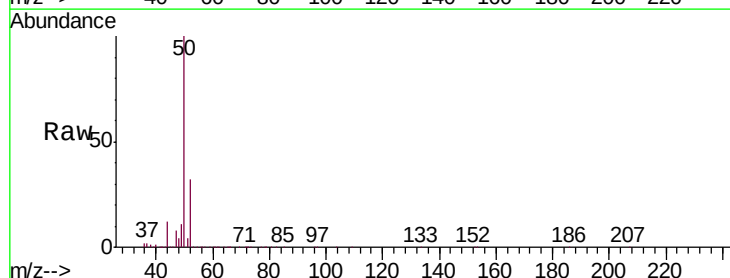
Acq: 06 Sep 2019 15:18

Tgt Ion: 50 Resp: 133196

Ion Ratio Lower Upper

50 100

52 32.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV012589.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV012589.D (-40) (-)

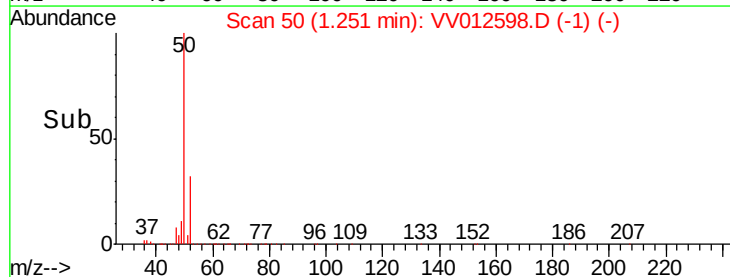
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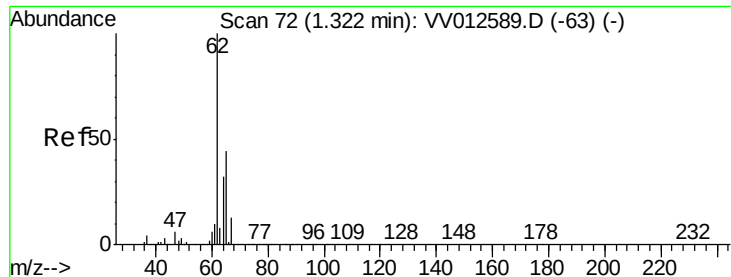
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.979 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

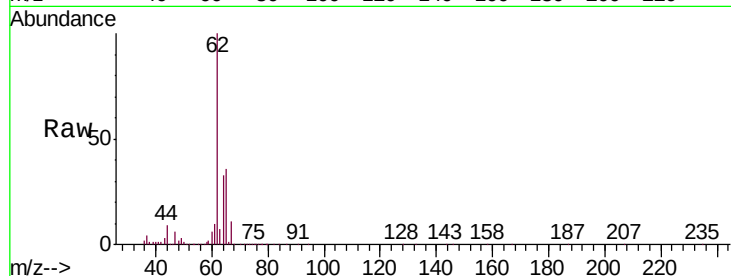
VSTD00544

Tgt Ion: 62 Resp: 139400

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV012589.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV012598.D (-46) (-)

1.32

150000

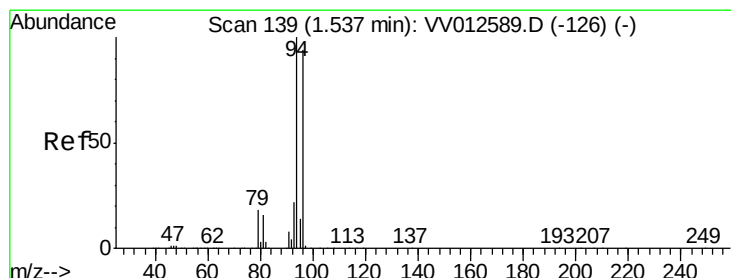
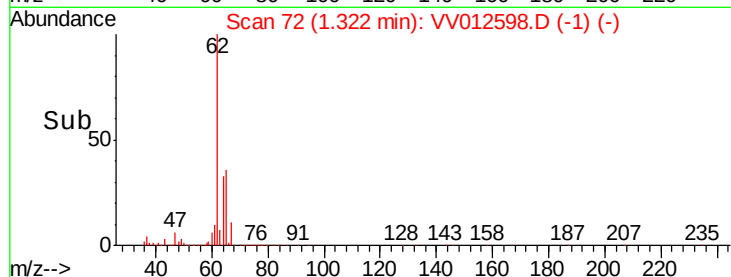
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.343 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012598.D

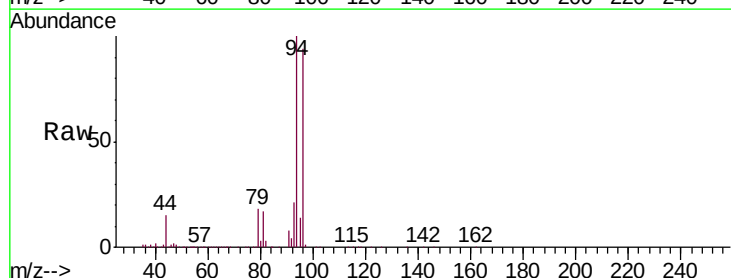
Acq: 06 Sep 2019 15:18

Tgt Ion: 94 Resp: 73907

Ion Ratio Lower Upper

94 100

96 94.1 62.6 116.3



Abundance Ion 94.00 (93.70 to 94.70): VV012589.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV012598.D (-46) (-)

1.53

60000

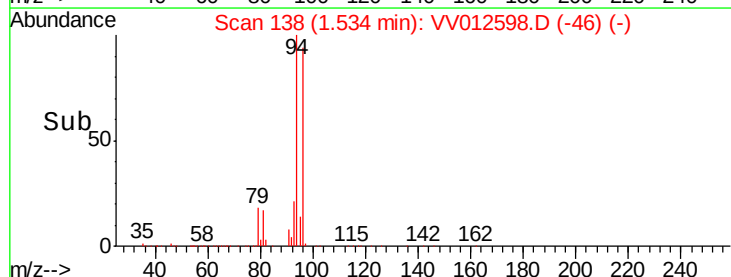
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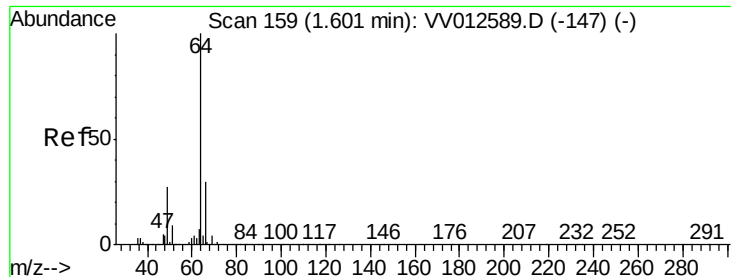
20000

0

Time-->

1.50 1.55 1.60

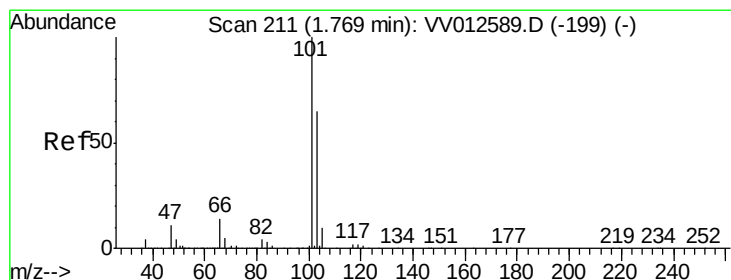
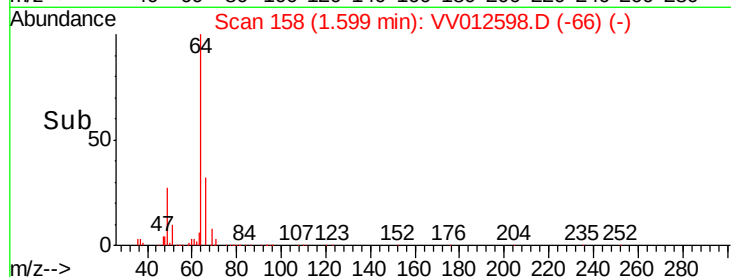
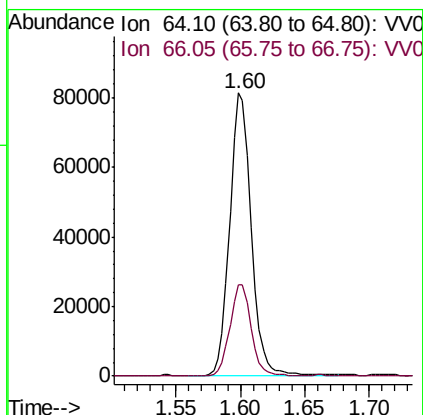
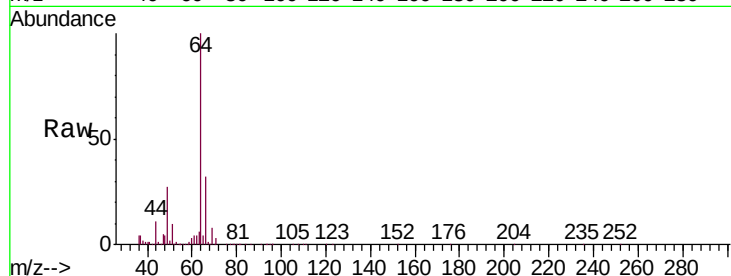




#8
Chloroethane
Concen: 5.111 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

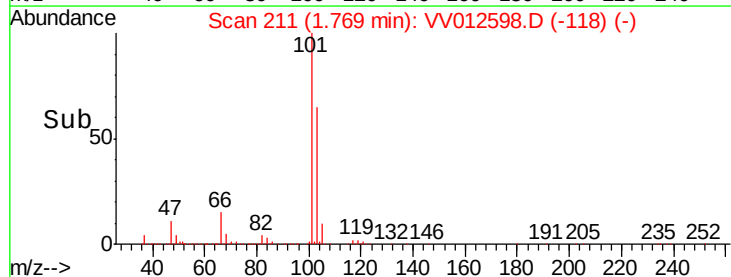
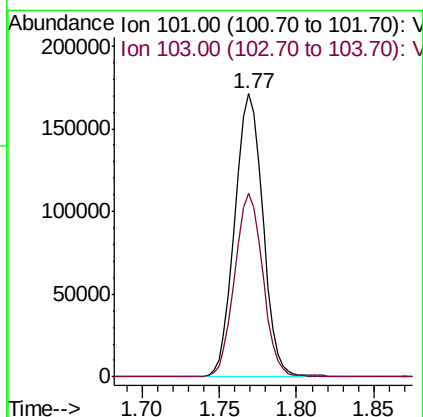
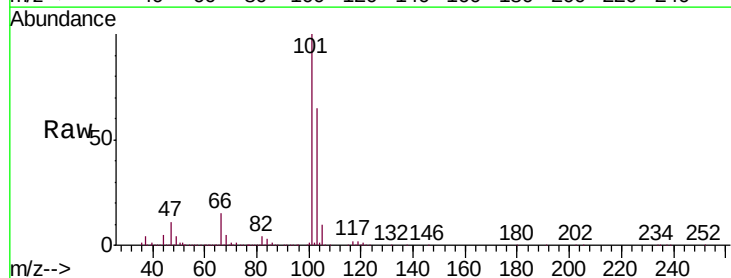
Instrument :
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ClientSampleId :
VSTD00544

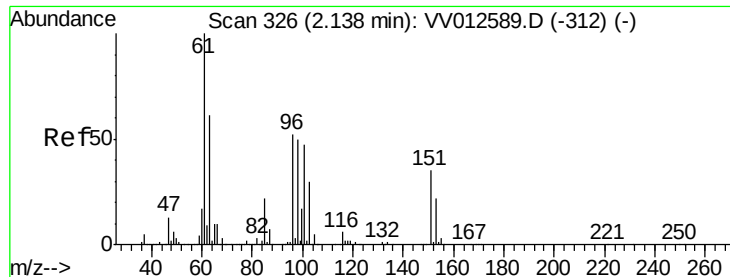
Tgt Ion: 64 Resp: 95090
Ion Ratio Lower Upper
64 100
66 32.2 22.2 41.2



#9
Trichlorofluoromethane
Concen: 5.067 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Tgt Ion: 101 Resp: 216009
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.6





#10

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

Concen: 5.180 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

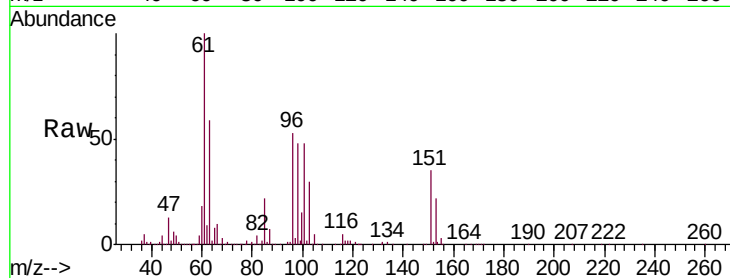
Tgt Ion: 101 Resp: 123332

Ion Ratio Lower Upper

101 100

85 46.2 37.4 56.0

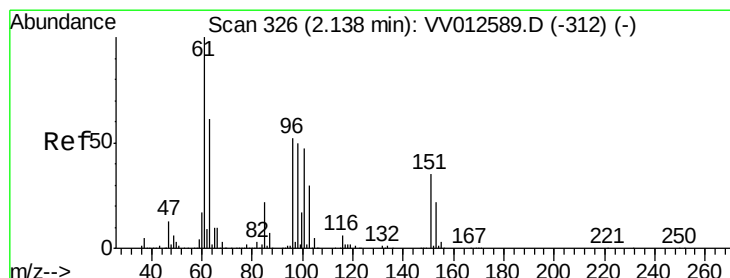
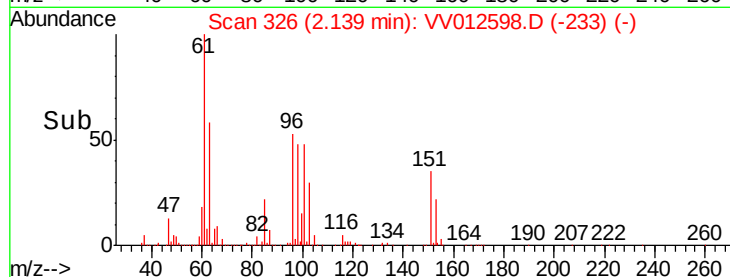
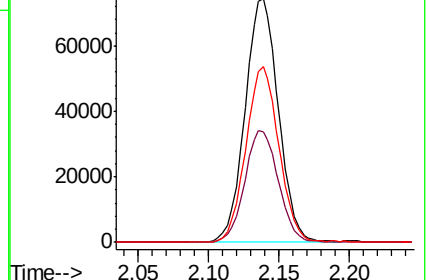
151 71.3 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV012589.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV012589.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV012589.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 5.062 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

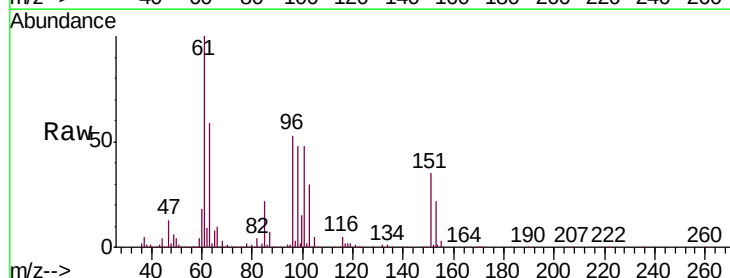
Tgt Ion: 96 Resp: 115222

Ion Ratio Lower Upper

96 100

61 188.2 132.7 246.5

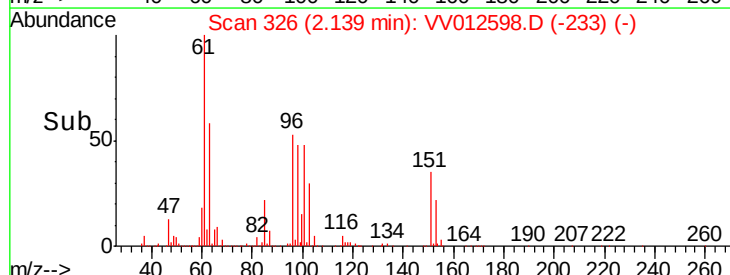
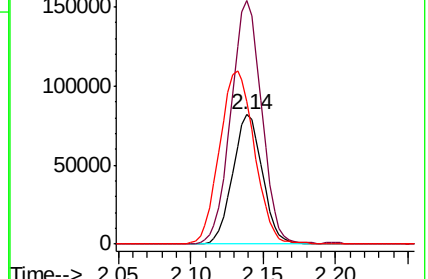
63 110.1 84.1 156.1

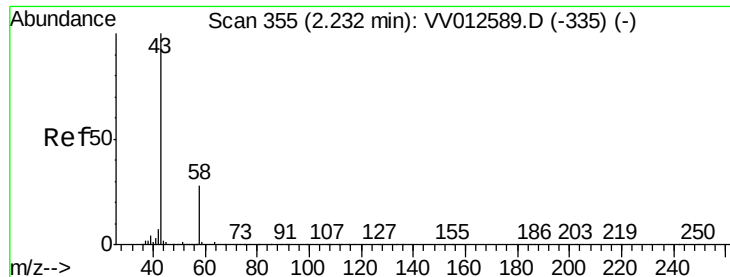


Abundance Ion 96.00 (95.70 to 96.70): VV012589.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV012589.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV012589.D (-312) (-)





#13

Acetone

Concen: 52.456 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

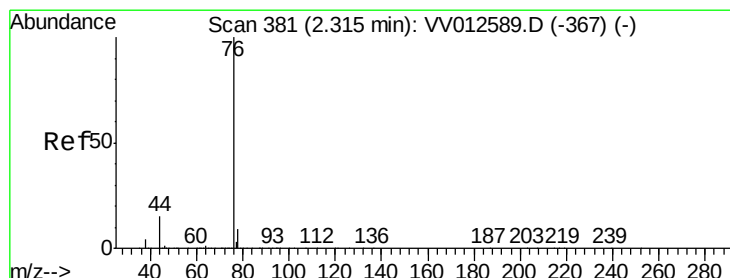
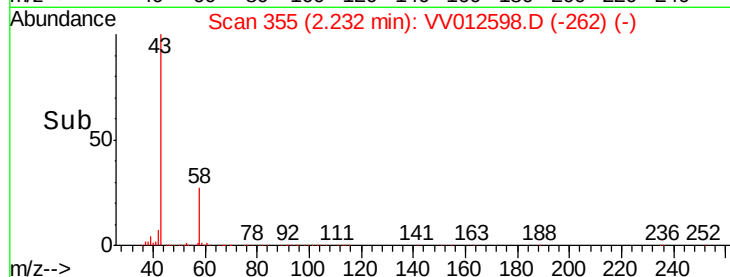
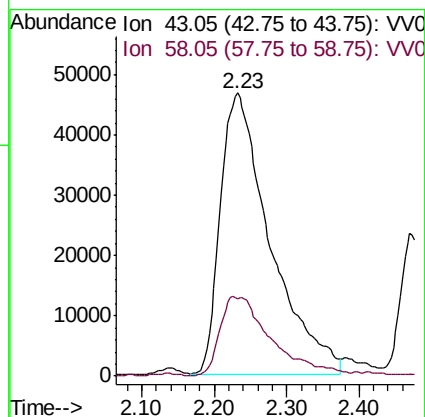
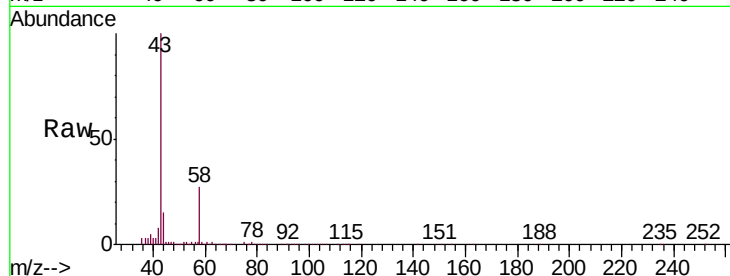
VSTD00544

Tgt Ion: 43 Resp: 221791

Ion Ratio Lower Upper

43 100

58 10.2 0.0 57.0



#14

Carbon disulfide

Concen: 4.903 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012598.D

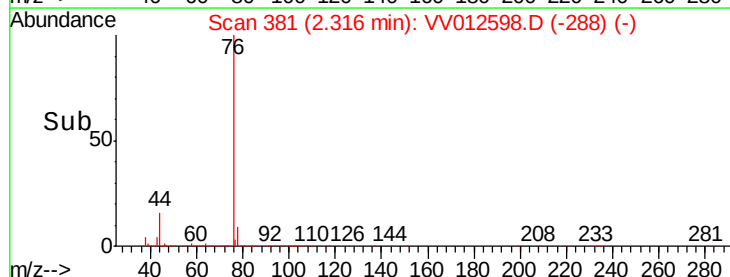
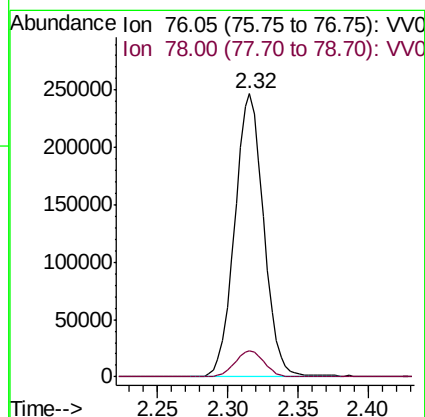
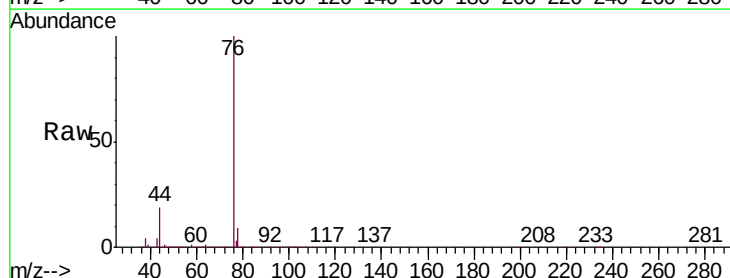
Acq: 06 Sep 2019 15:18

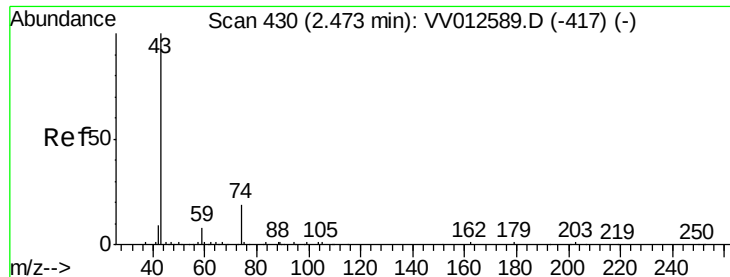
Tgt Ion: 76 Resp: 355650

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

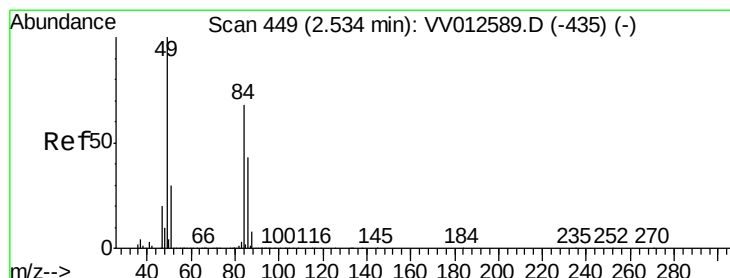
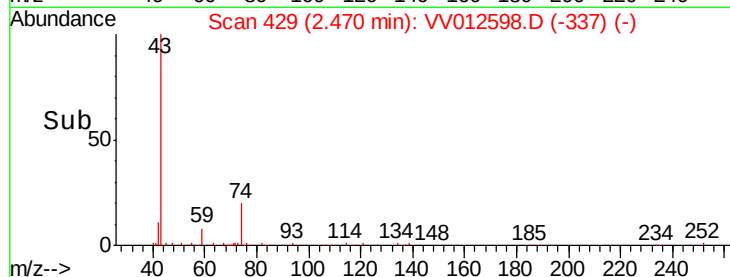
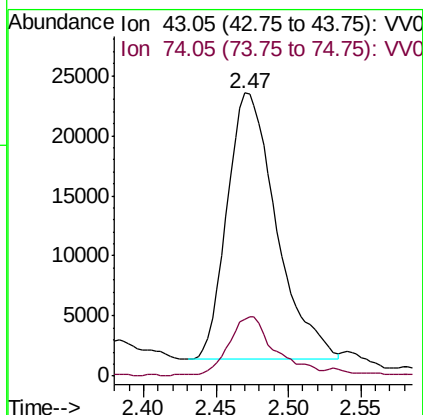
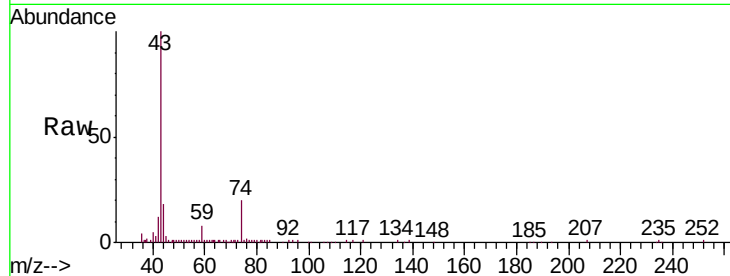




#15
Methyl Acetate
Concen: 4.701 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

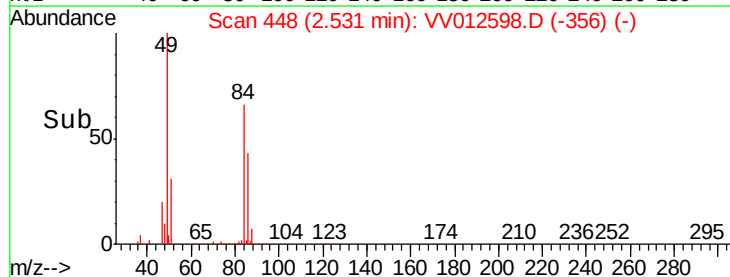
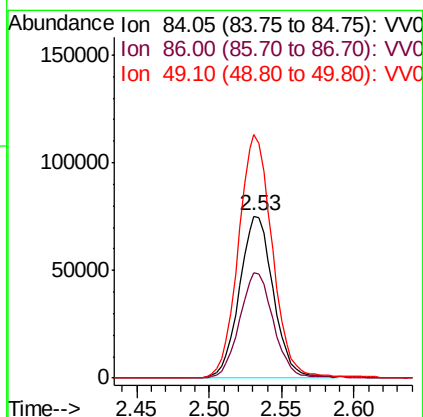
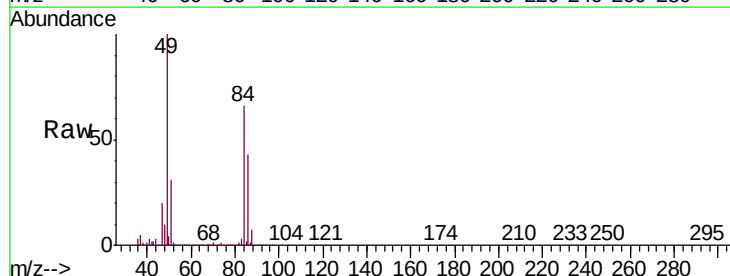
Instrument :
MSVOA_V
ClientSampled :
VSTD00544

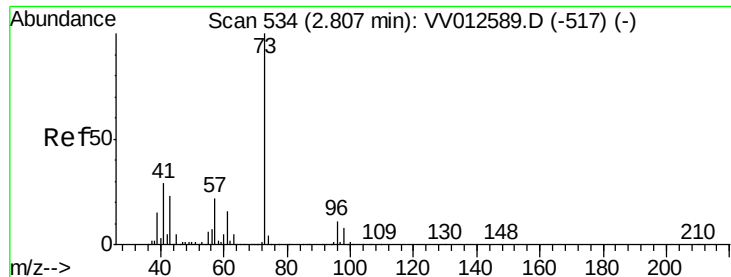
Tgt Ion: 43 Resp: 52321
Ion Ratio Lower Upper
43 100
74 20.2 14.9 22.3



#16
Methylene chloride
Concen: 4.643 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Tgt Ion: 84 Resp: 122425
Ion Ratio Lower Upper
84 100
86 65.2 43.6 81.0
49 150.5 103.0 191.2

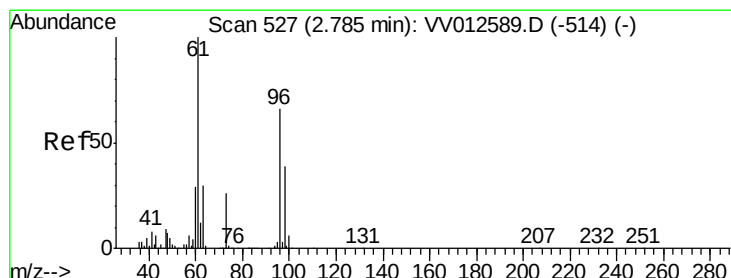
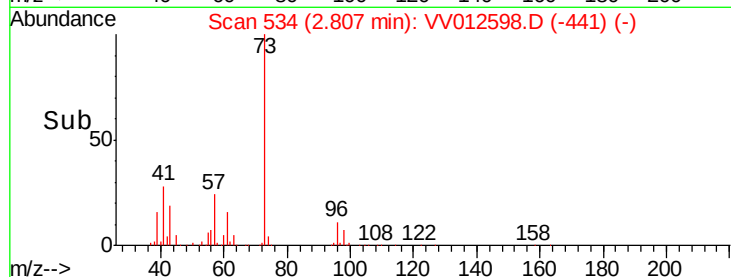
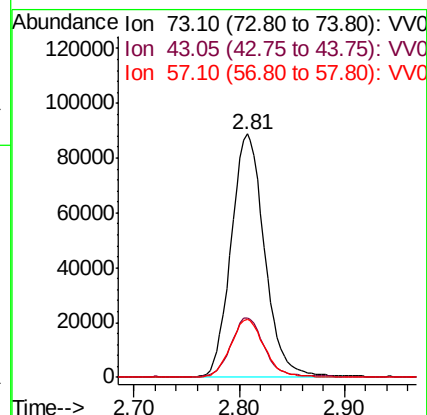
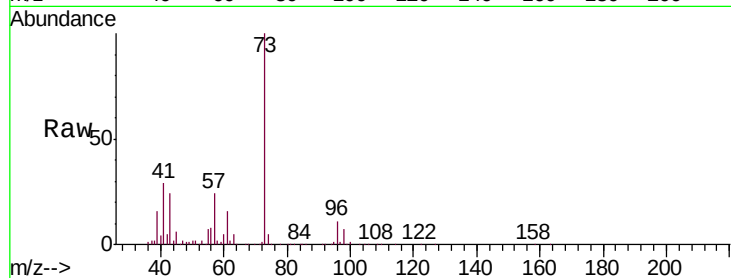




#17
Methyl tert-butyl Ether
Concen: 5.284 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

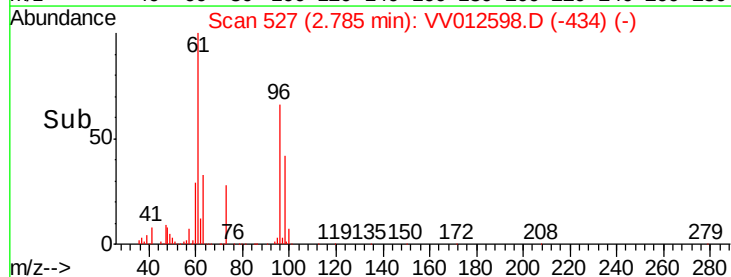
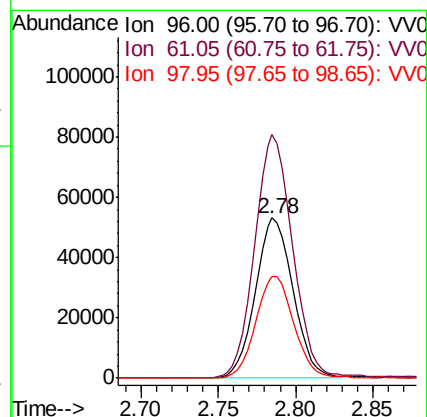
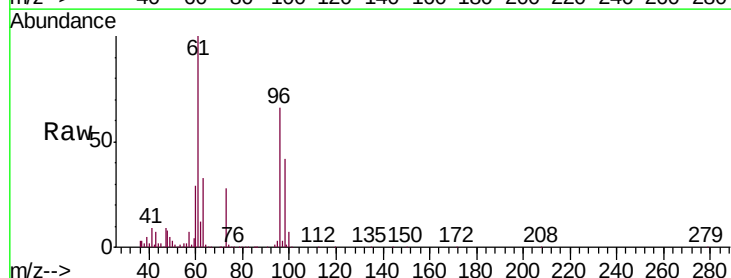
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

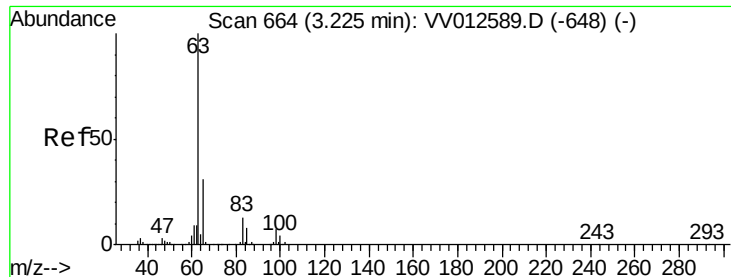
Tgt Ion: 73 Resp: 194498
Ion Ratio Lower Upper
73 100
43 25.0 18.9 28.3
57 24.2 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 4.969 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Tgt Ion: 96 Resp: 90421
Ion Ratio Lower Upper
96 100
61 151.8 105.6 196.0
98 63.5 45.2 84.0

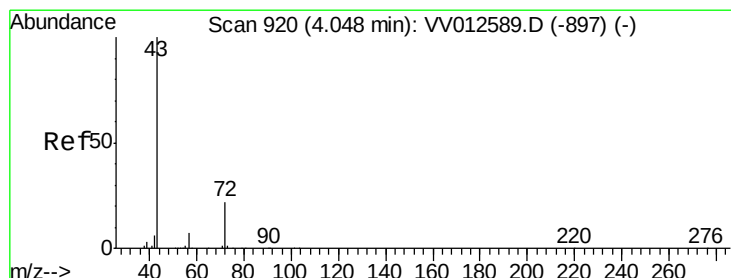
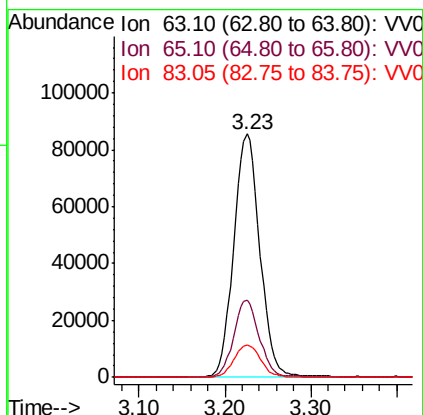
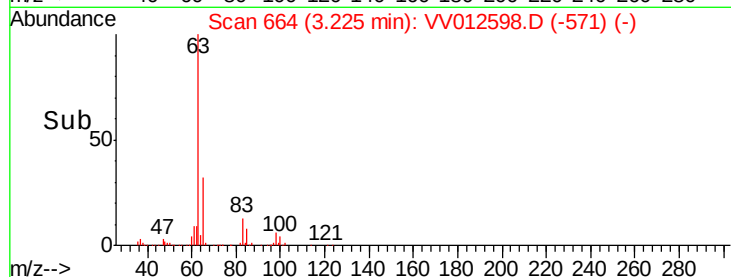
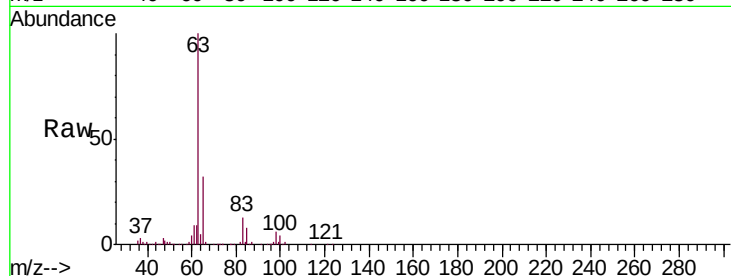




#19
 1,1-Dichloroethane
 Concen: 5.198 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

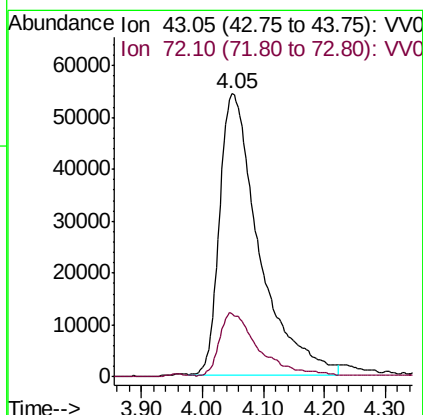
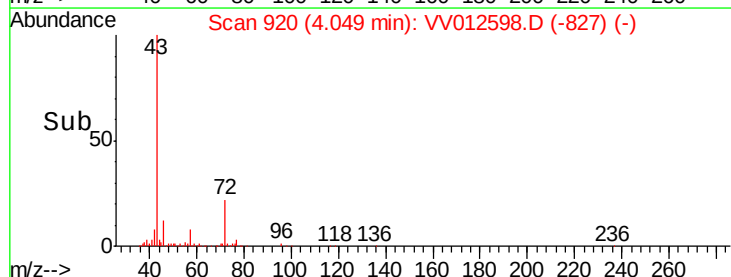
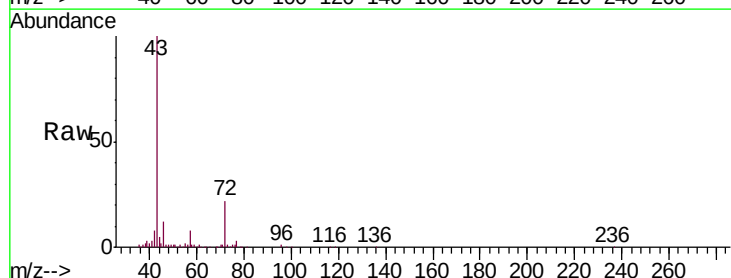
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

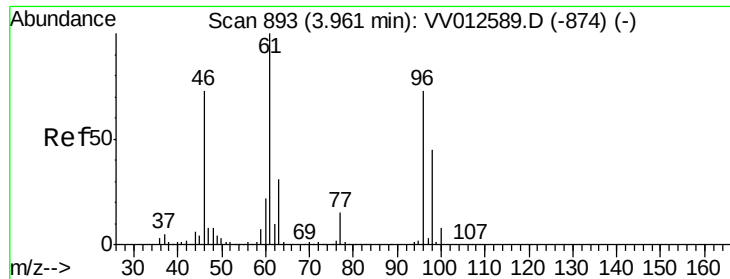
Tgt Ion: 63 Resp: 180662
 Ion Ratio Lower Upper
 63 100
 65 31.8 20.9 38.9
 83 13.1 8.8 16.3



#21
 2-Butanone
 Concen: 54.714 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Tgt Ion: 43 Resp: 243870
 Ion Ratio Lower Upper
 43 100
 72 20.6 10.5 31.6



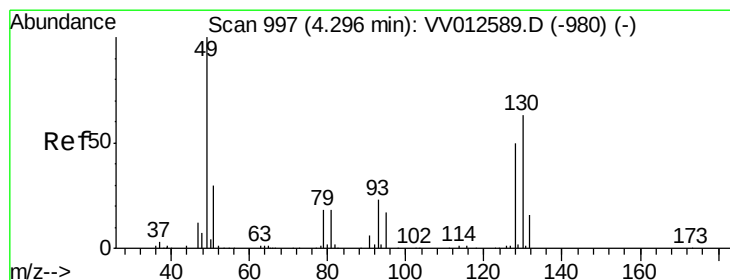
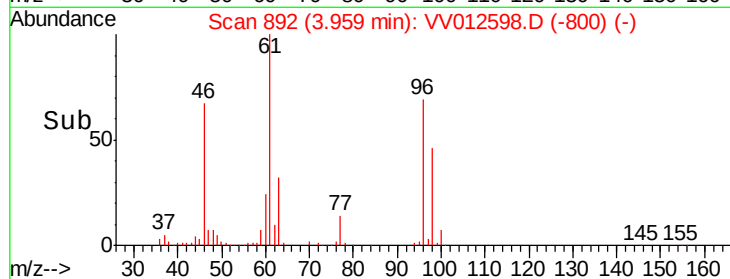
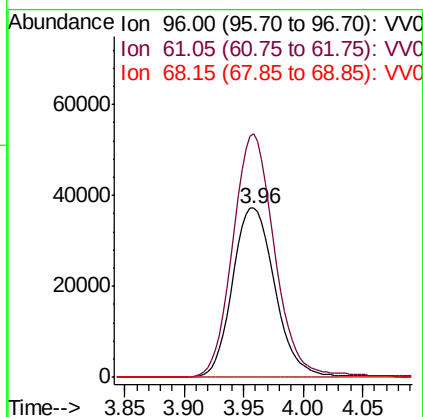
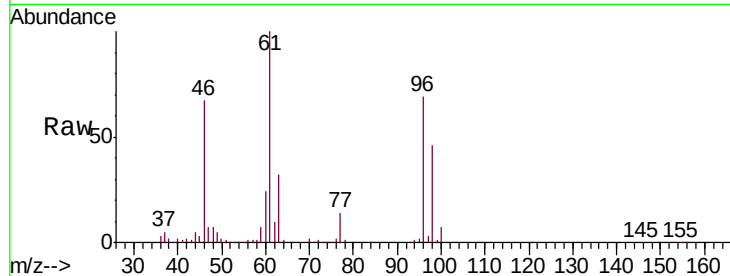


#22

cis-1,2-Dichloroethene
Concen: 5.149 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

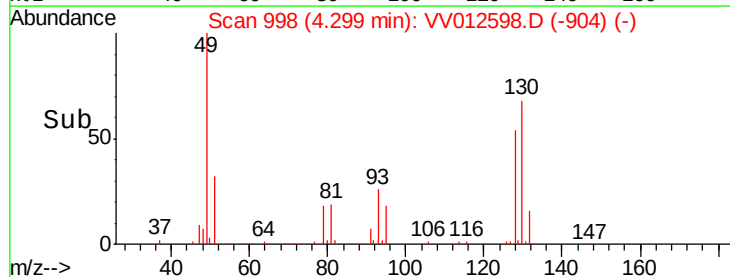
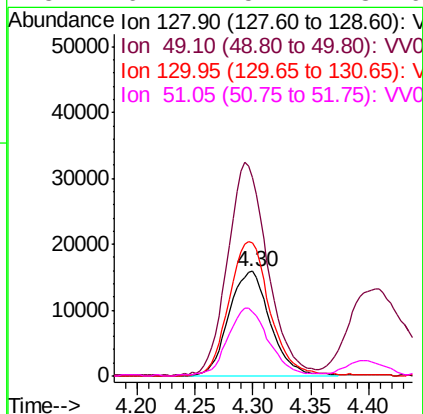
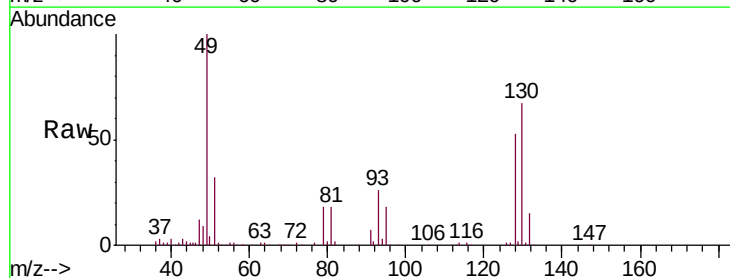
Tgt Ion: 96 Resp: 92085
Ion Ratio Lower Upper
96 100
61 144.0 93.9 174.5
68 0.0 0.0 0.0

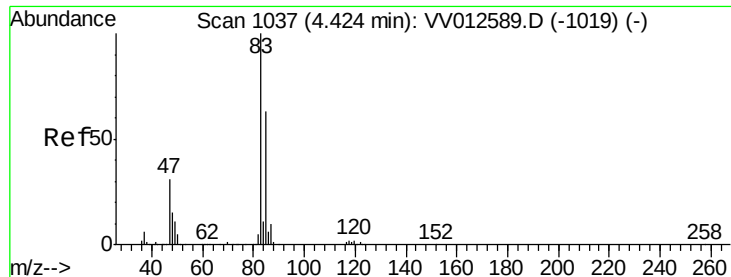


#23

Bromochloromethane
Concen: 5.161 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Tgt Ion: 128 Resp: 39603
Ion Ratio Lower Upper
128 100
49 188.9 137.1 254.7
130 126.7 90.9 168.9
51 61.1 54.4 81.6





#25

Chloroform

Concen: 4.845 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

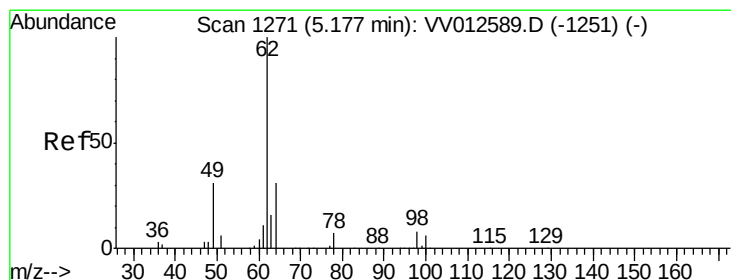
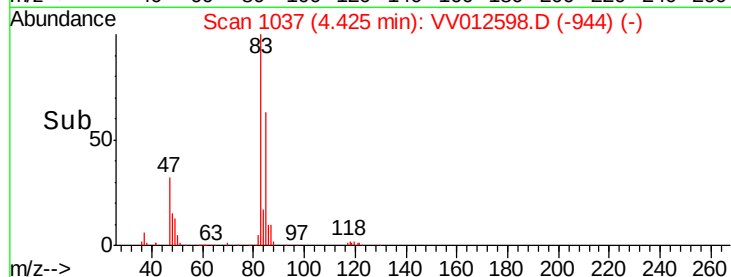
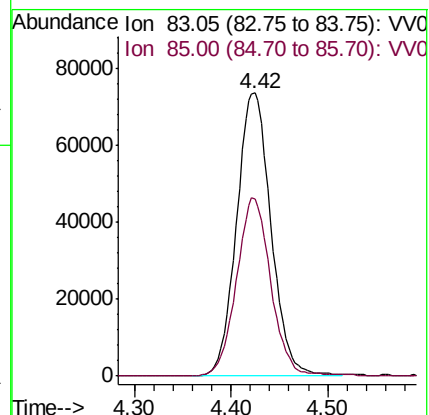
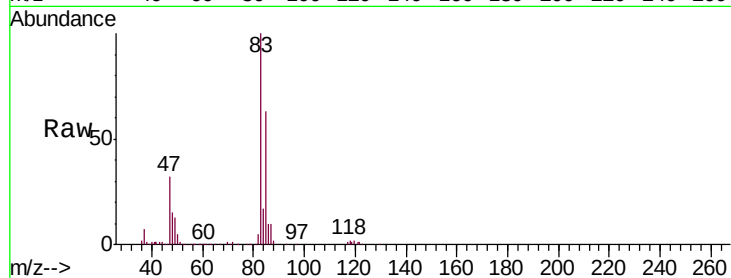
VSTD00544

Tgt Ion: 83 Resp: 182288

Ion Ratio Lower Upper

83 100

85 62.7 44.4 82.5



#27

1,2-Dichloroethane

Concen: 5.151 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV012598.D

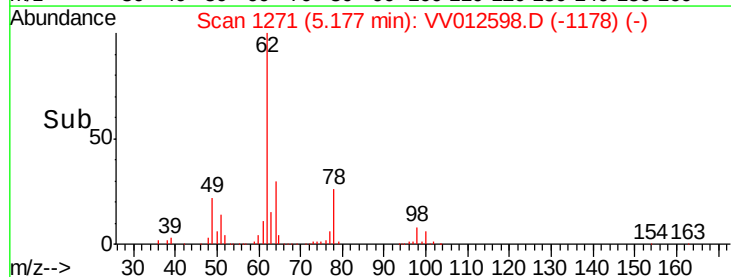
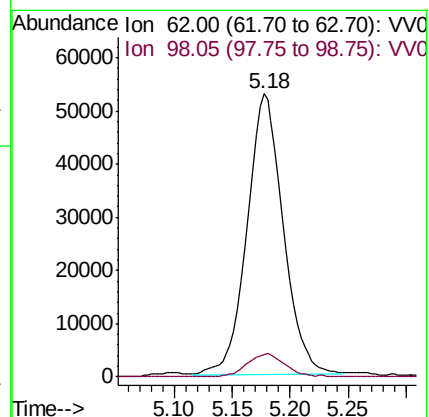
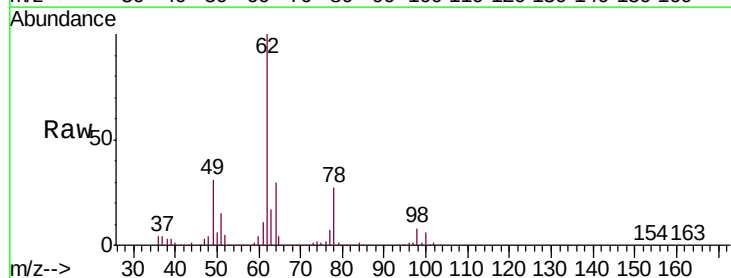
Acq: 06 Sep 2019 15:18

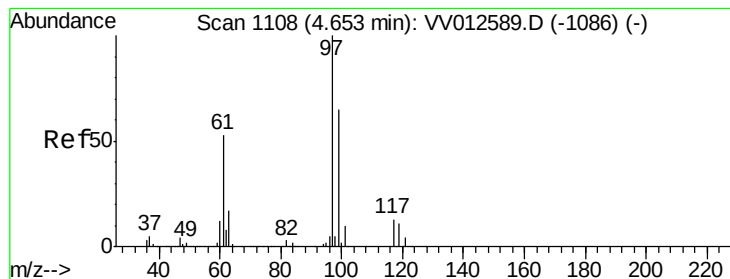
Tgt Ion: 62 Resp: 115653

Ion Ratio Lower Upper

62 100

98 7.8 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.346 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

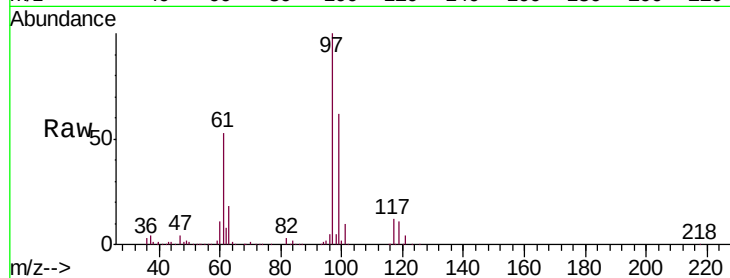
Tgt Ion: 97 Resp: 148148

Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.6

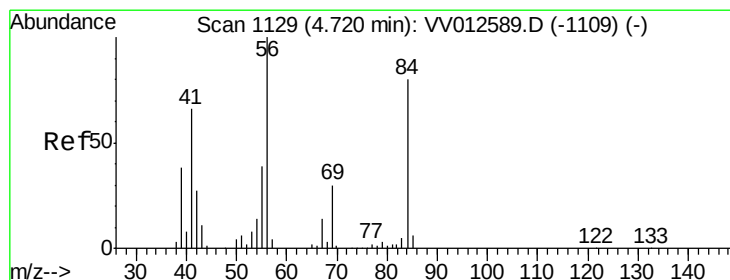
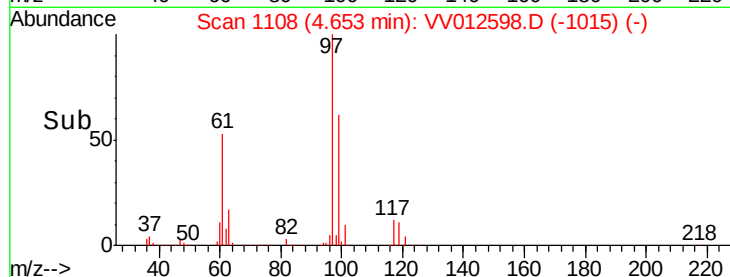
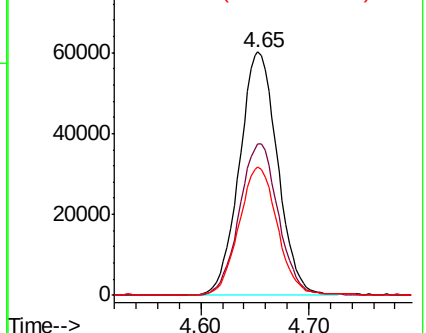
61 53.7 43.4 65.0



Abundance Ion 96.95 (96.65 to 97.65): VV012598.D (-1086) (-)

Ion 99.05 (98.75 to 99.75): VV012598.D (-1086) (-)

Ion 61.05 (60.75 to 61.75): VV012598.D (-1086) (-)



#30

Cyclohexane

Concen: 5.514 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

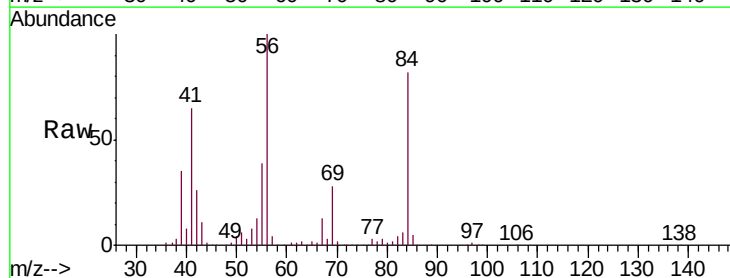
Tgt Ion: 56 Resp: 158764

Ion Ratio Lower Upper

56 100

69 28.1 23.4 35.0

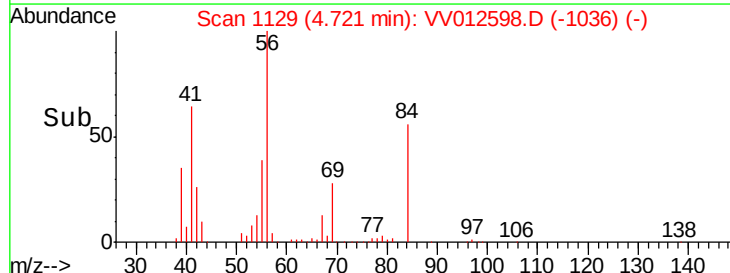
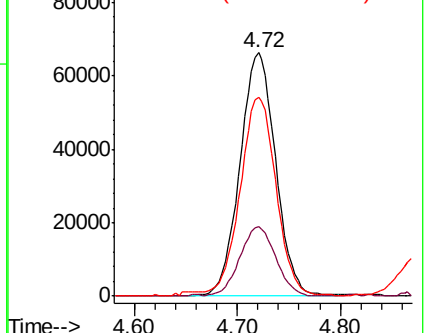
84 82.2 68.0 102.0

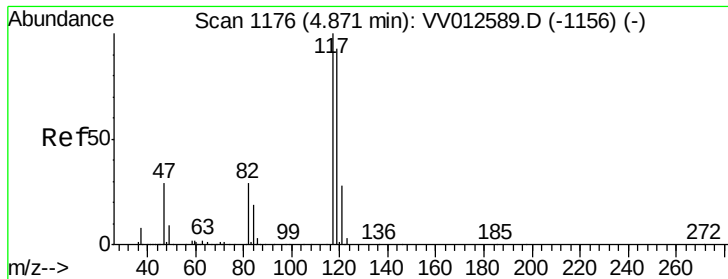


Abundance Ion 56.10 (55.80 to 56.80): VV012598.D (-1036) (-)

Ion 69.15 (68.85 to 69.85): VV012598.D (-1036) (-)

Ion 84.15 (83.85 to 84.85): VV012598.D (-1036) (-)





#31

Carbon tetrachloride

Concen: 5.215 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

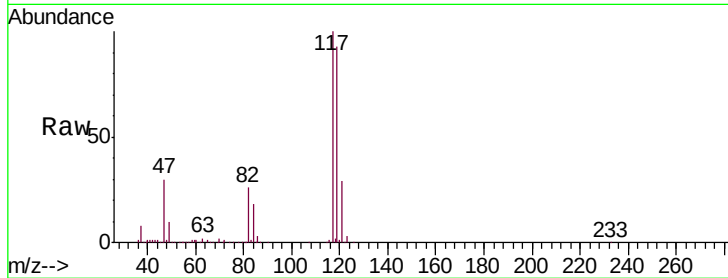
VSTD00544

Tgt Ion:117 Resp: 128402

Ion Ratio Lower Upper

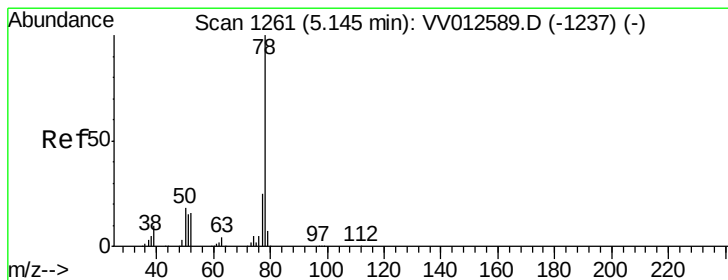
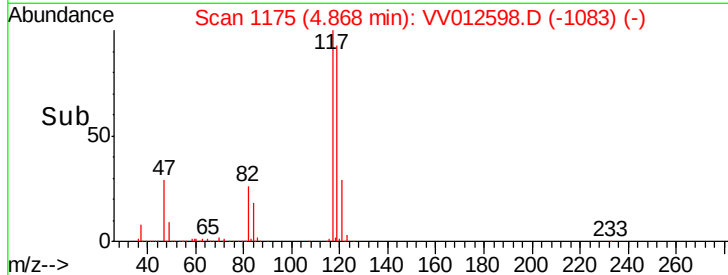
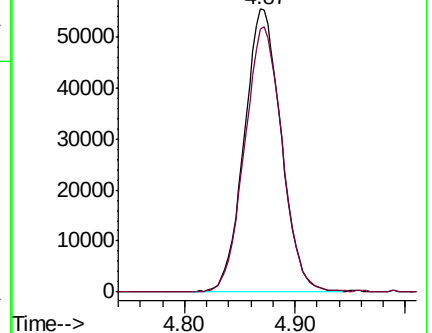
117 100

119 95.4 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.397 ug/L

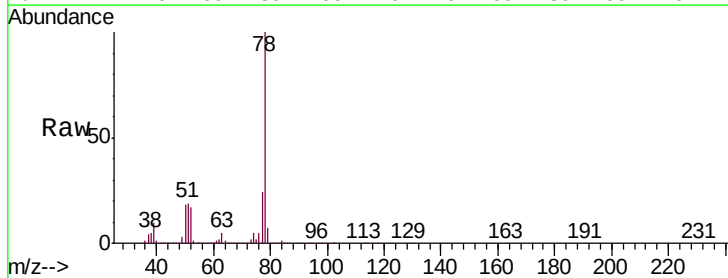
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

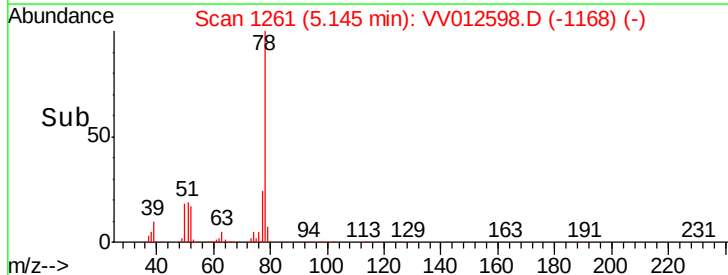
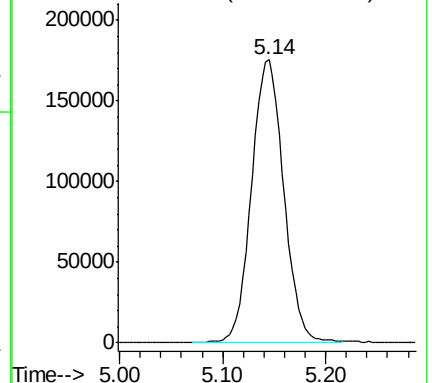
Lab File: VV012598.D

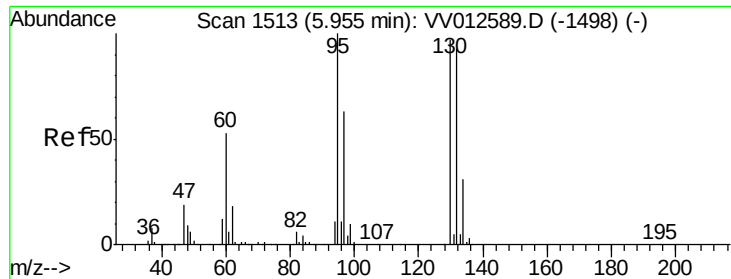
Acq: 06 Sep 2019 15:18

Tgt Ion: 78 Resp: 379796



Abundance Ion 78.10 (77.80 to 78.80): VV0

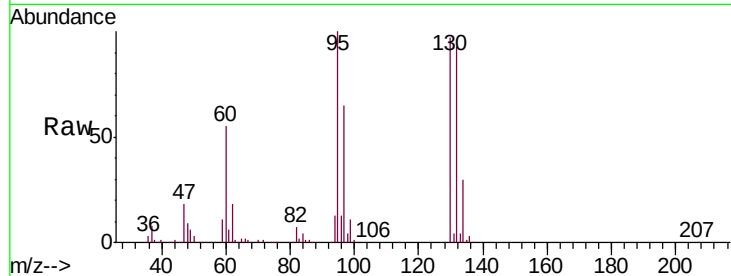




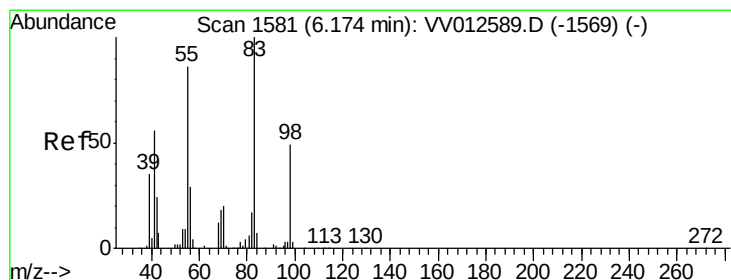
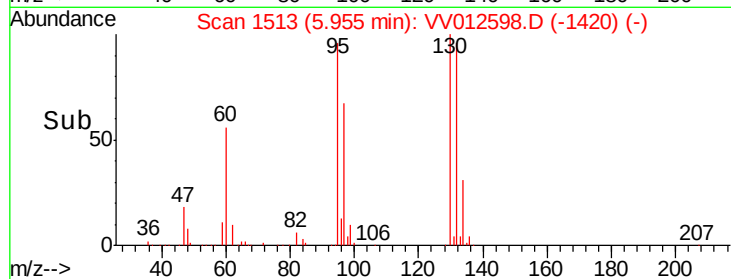
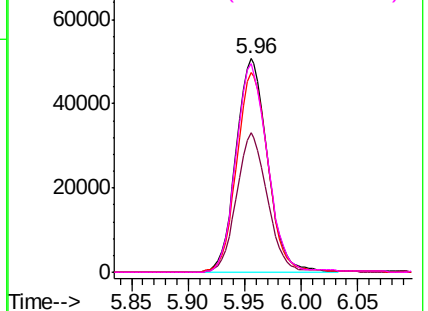
#34
 Trichloroethene
 Concen: 5.177 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion:	95	Resp:	98463
Ion	Ratio	Lower	Upper
95	100		
97	65.2	43.9	81.5
132	93.4	64.8	120.4
130	97.4	67.1	124.7

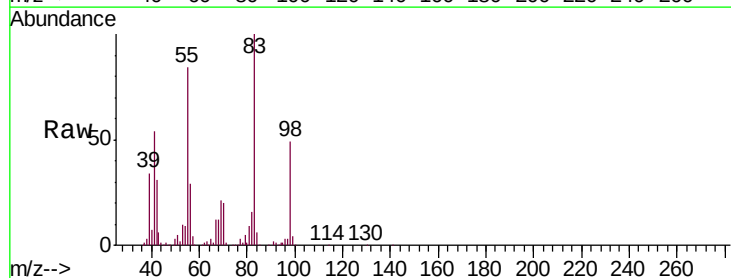


Abundance Ion 95.00 (94.70 to 95.70): VV012598.D (-1498) (-)
 Ion 96.95 (96.65 to 97.65): VV012598.D (-1498) (-)
 Ion 131.95 (131.65 to 132.65): VV012598.D (-1498) (-)
 Ion 129.95 (129.65 to 130.65): VV012598.D (-1498) (-)

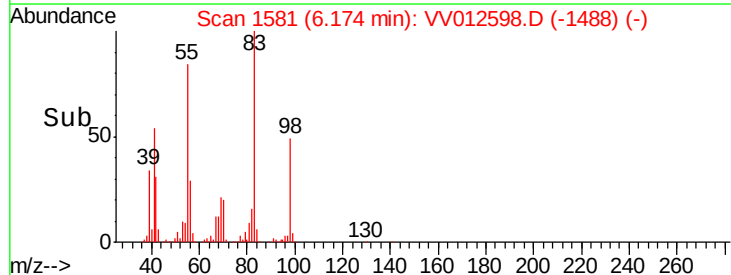
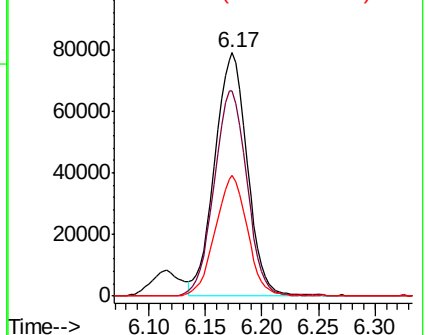


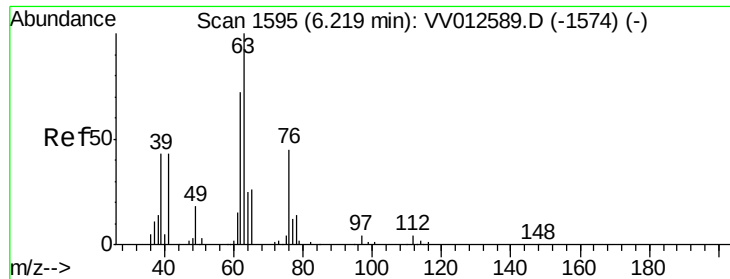
#35
 Methylcyclohexane
 Concen: 5.570 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Tgt Ion:	83	Resp:	158207
Ion	Ratio	Lower	Upper
83	100		
55	85.0	69.0	103.6
98	48.5	38.0	57.0



Abundance Ion 83.15 (82.85 to 83.85): VV012598.D (-1569) (-)
 Ion 55.10 (54.80 to 55.80): VV012598.D (-1569) (-)
 Ion 98.15 (97.85 to 98.85): VV012598.D (-1569) (-)

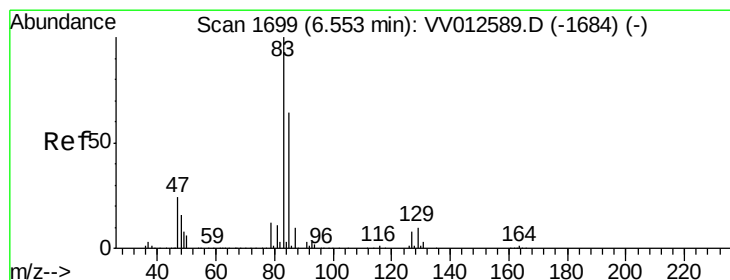
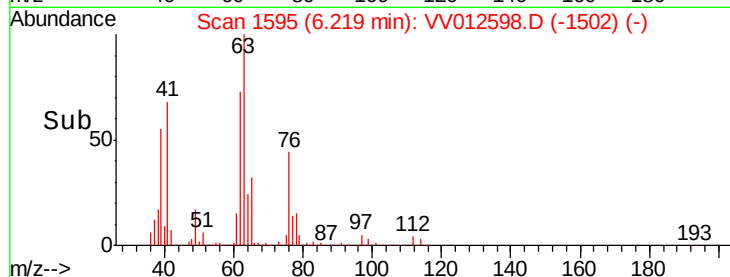
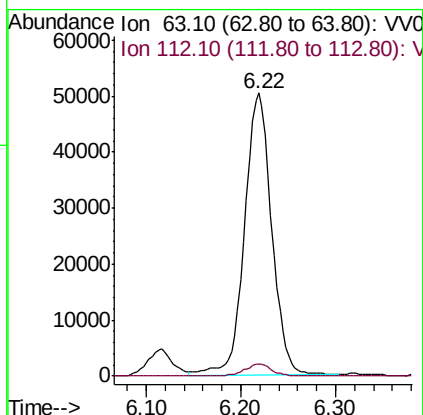
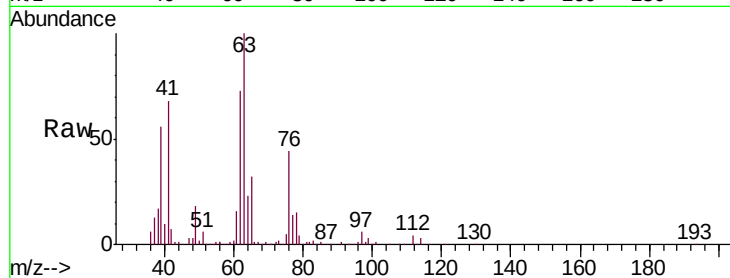




#37
 1,2-Dichloropropane
 Concen: 5.622 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

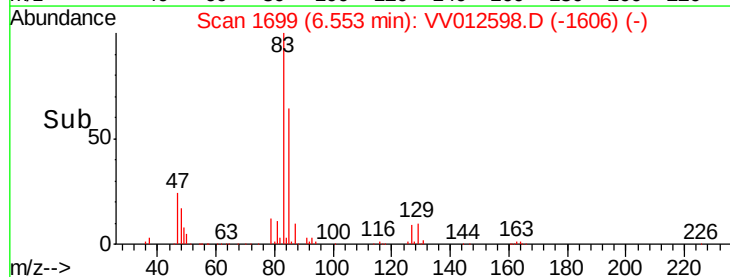
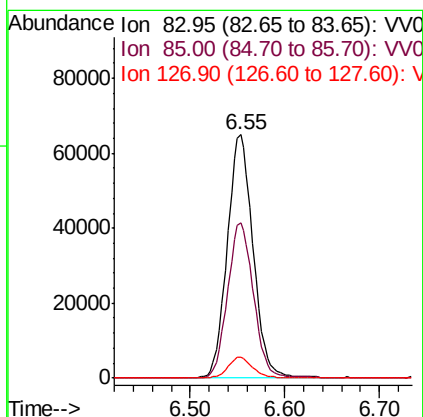
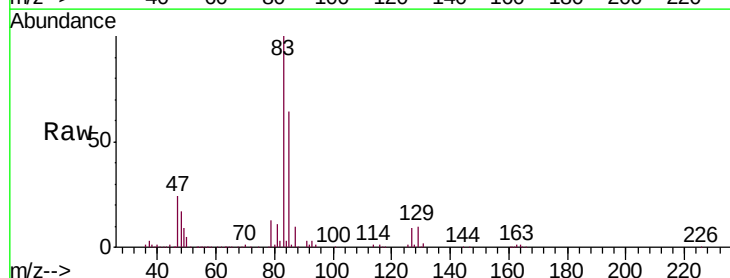
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

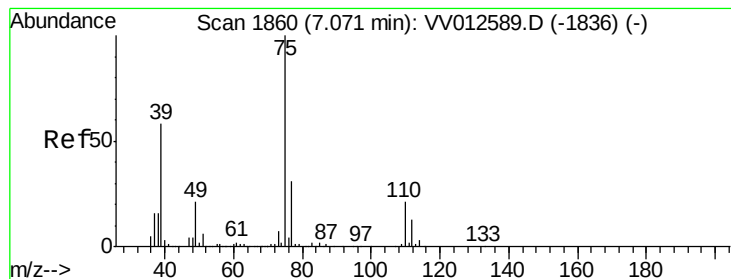
Tgt Ion: 63 Resp: 100703
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.291 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Tgt Ion: 83 Resp: 123408
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.6 84.8
 127 8.7 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 5.265 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

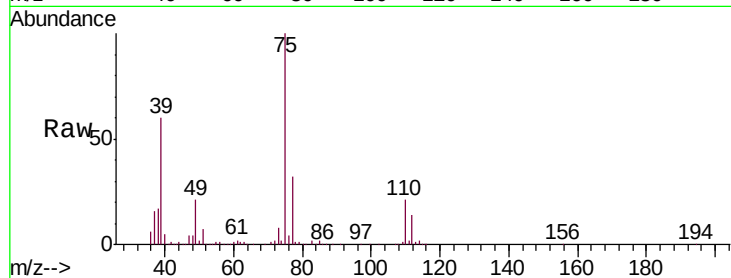
VSTD00544

Tgt Ion: 75 Resp: 123641

Ion Ratio Lower Upper

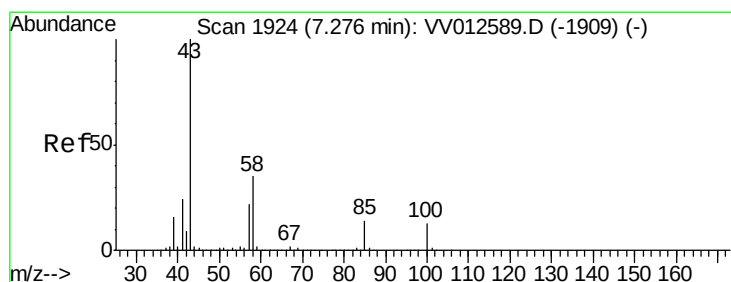
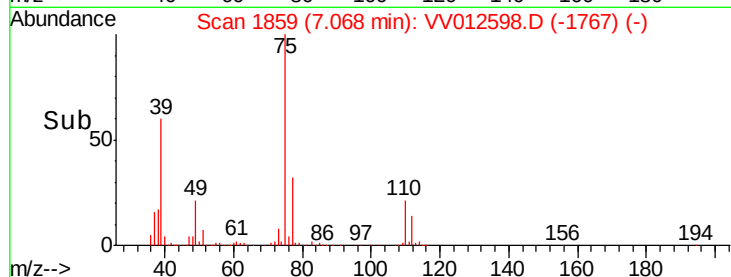
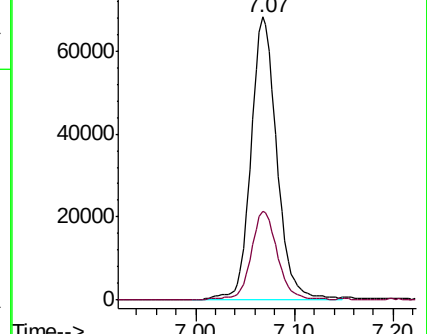
75 100

77 31.5 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 58.105 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

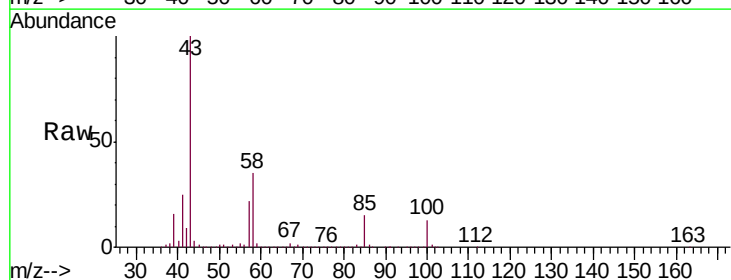
Tgt Ion: 43 Resp: 620001

Ion Ratio Lower Upper

43 100

58 34.3 28.4 42.6

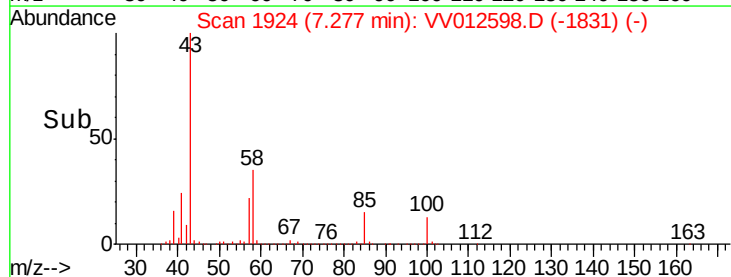
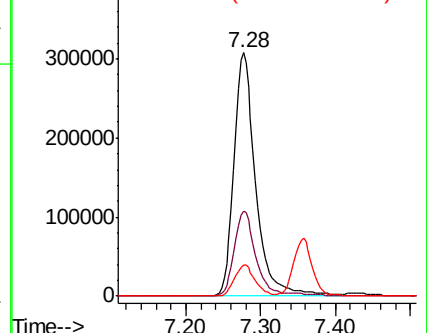
100 12.1 9.8 14.6

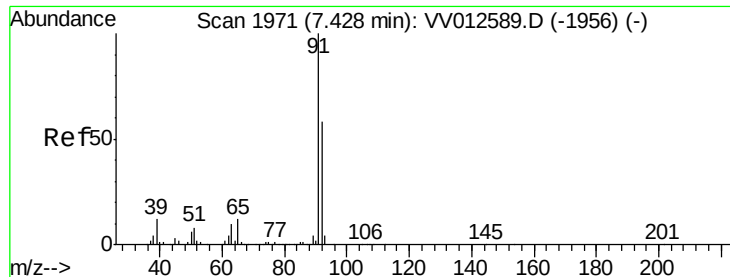


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.648 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

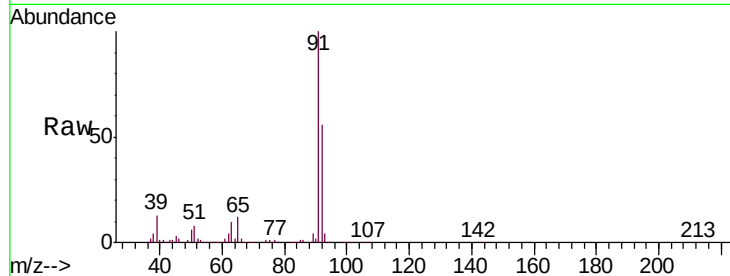
VSTD00544

Tgt Ion: 91 Resp: 419173

Ion Ratio Lower Upper

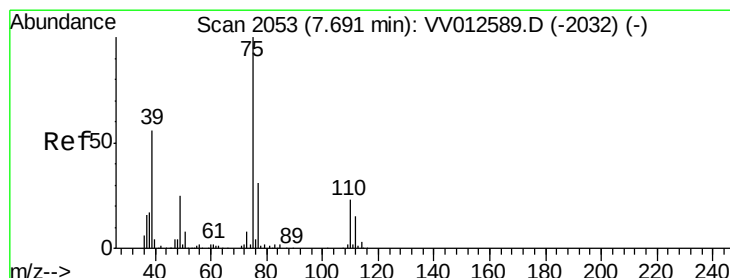
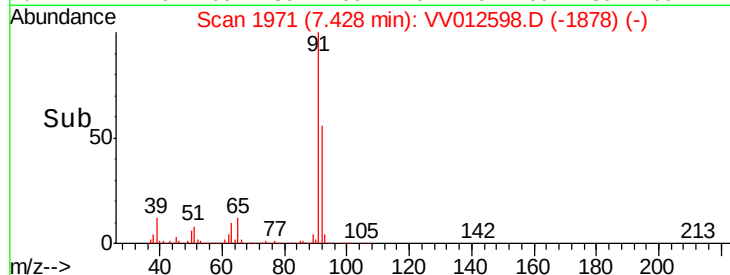
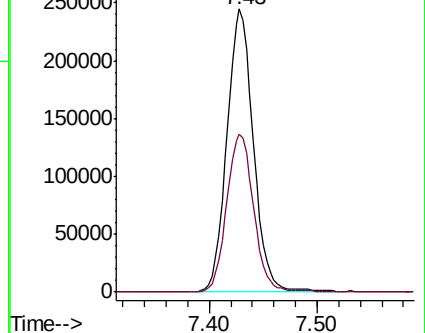
91 100

92 56.0 40.0 74.2



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: 5.501 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012598.D

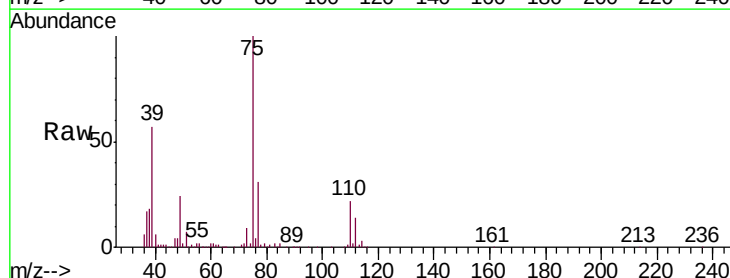
Acq: 06 Sep 2019 15:18

Tgt Ion: 75 Resp: 99200

Ion Ratio Lower Upper

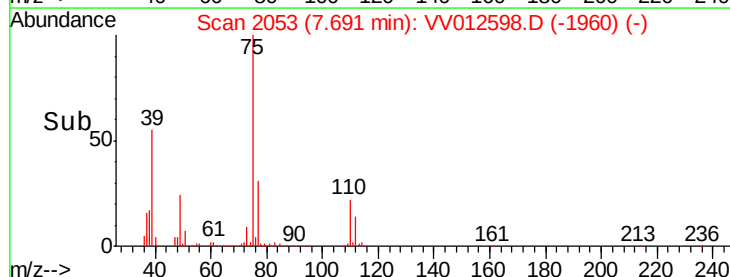
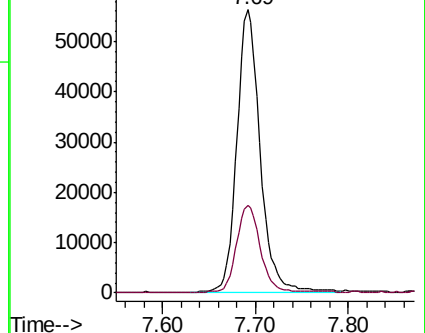
75 100

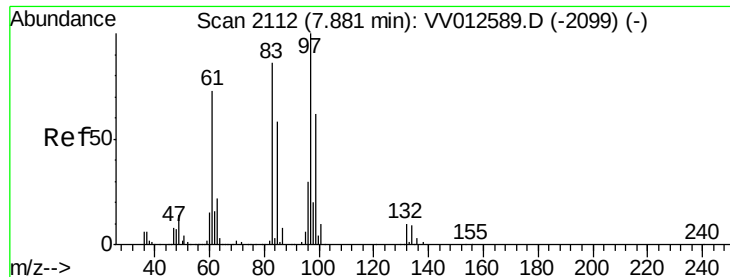
77 30.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

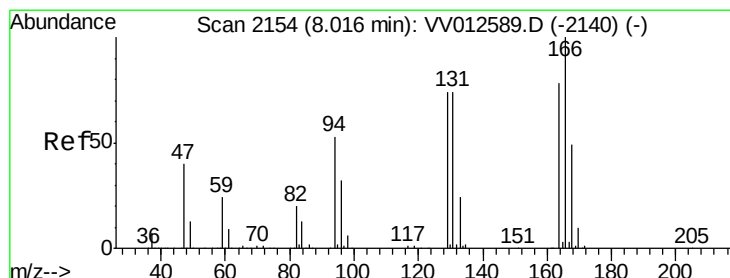
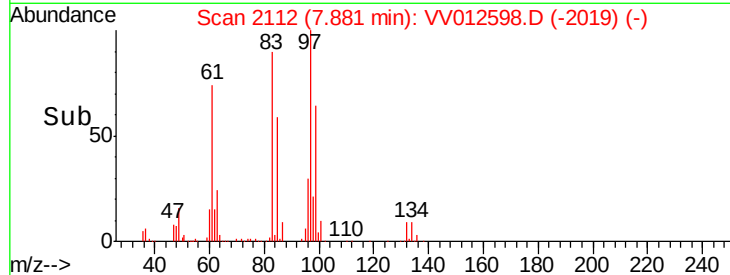
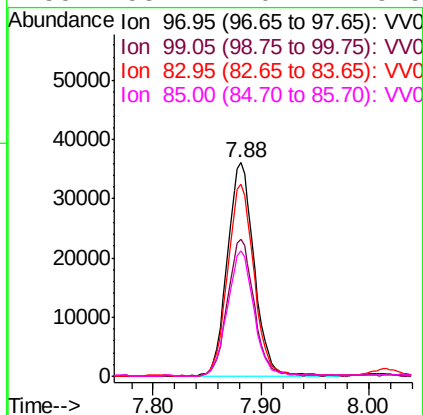
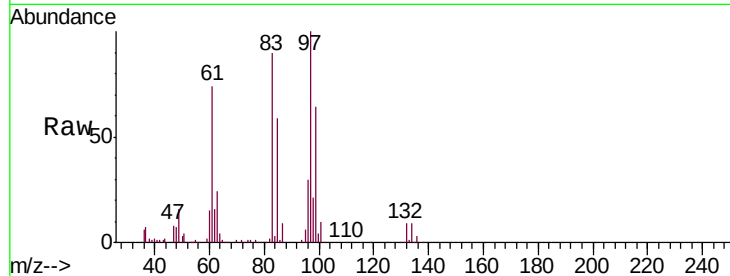




#45
 1,1,2-Trichloroethane
 Concen: 5.171 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

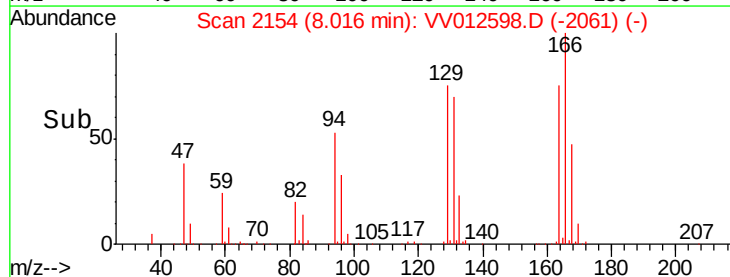
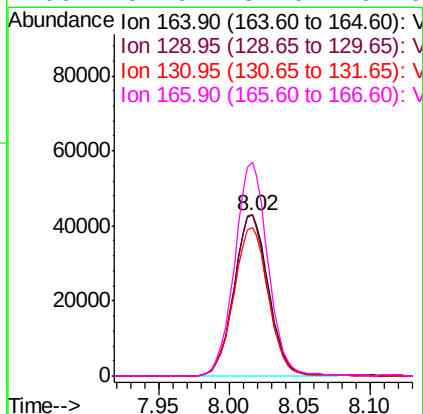
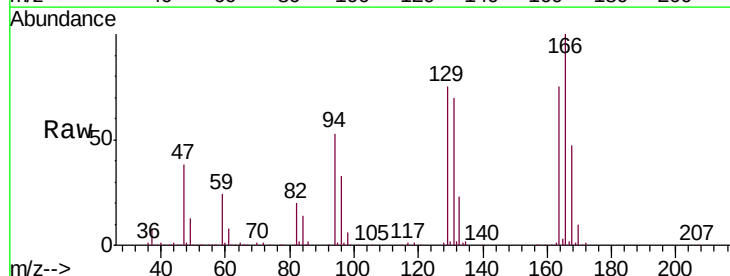
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

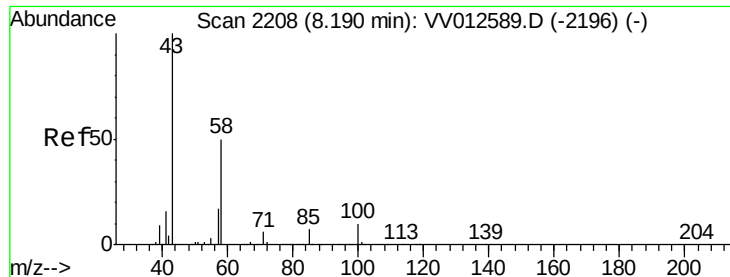
Tgt Ion:	97	Resp:	62701
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.3	82.3
83	89.6	62.6	116.3
85	58.7	40.7	75.5



#47
 Tetrachloroethene
 Concen: 5.321 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Tgt Ion:	164	Resp:	73783
Ion	Ratio	Lower	Upper
164	100		
129	100.3	65.0	120.6
131	92.7	62.0	115.2
166	132.9	87.0	161.6

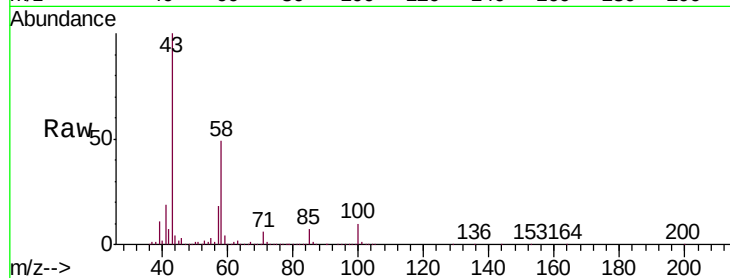




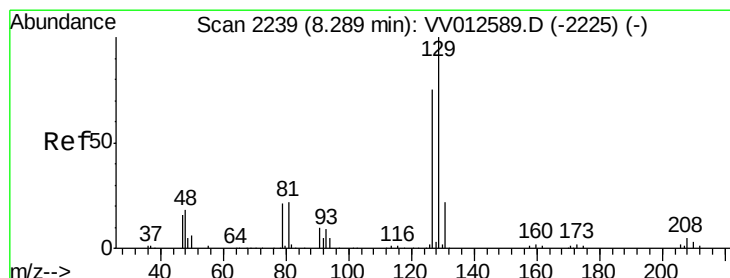
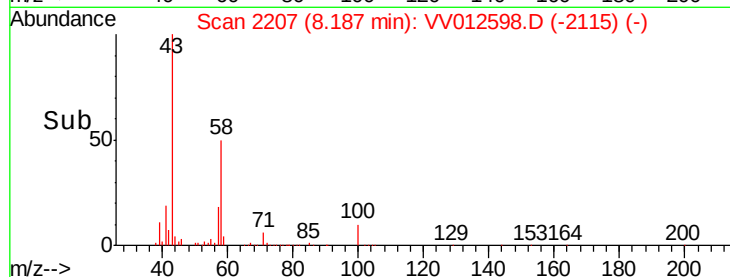
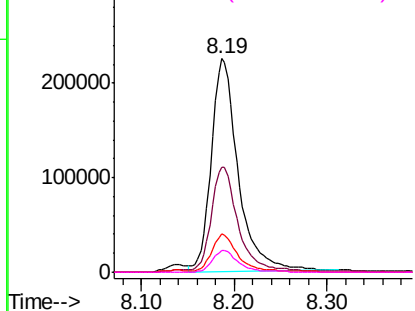
#48
2-Hexanone
Concen: 60.265 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Instrument :
MSVOA_V
ClientSampled :
VSTD00544

Tgt Ion: 43 Resp: 453706
Ion Ratio Lower Upper
43 100
58 48.8 39.3 58.9
57 17.3 12.9 19.3
100 9.9 8.0 12.0

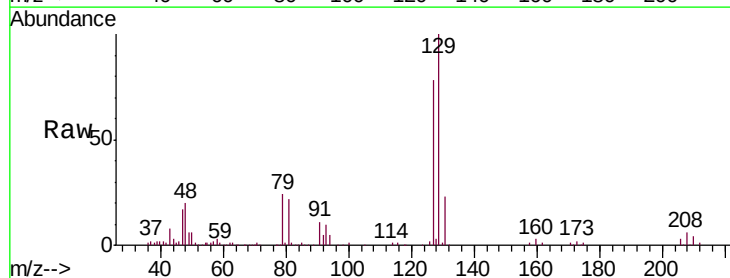


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

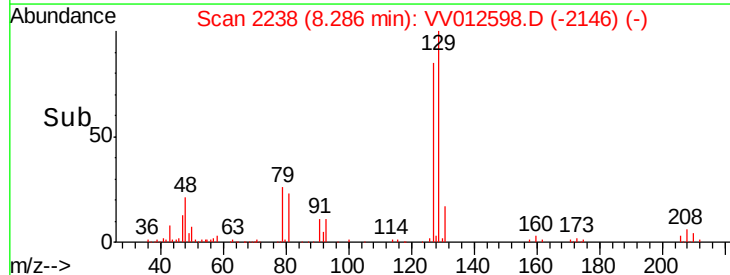
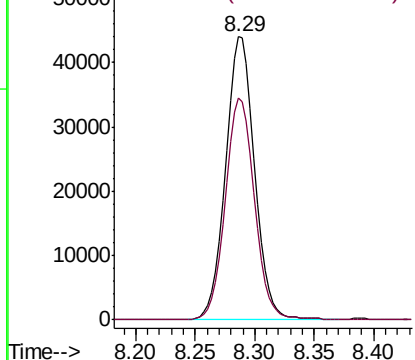


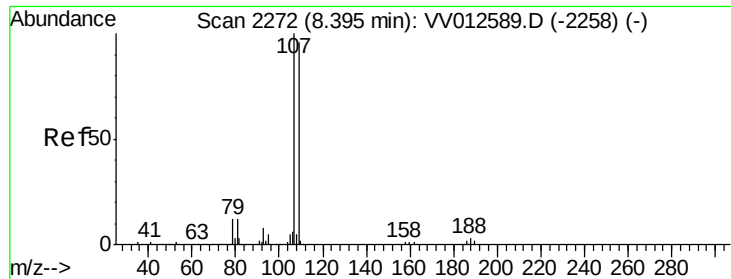
#49
Dibromochloromethane
Concen: 5.412 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Tgt Ion: 129 Resp: 74412
Ion Ratio Lower Upper
129 100
127 78.3 53.0 98.4



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

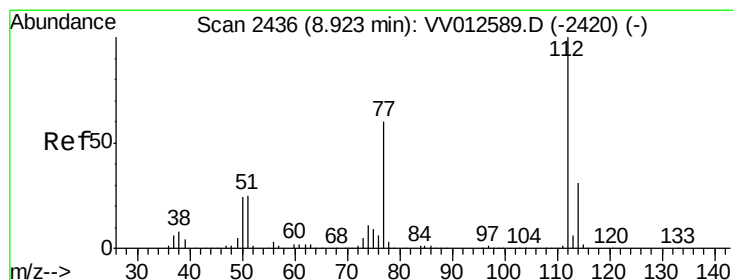
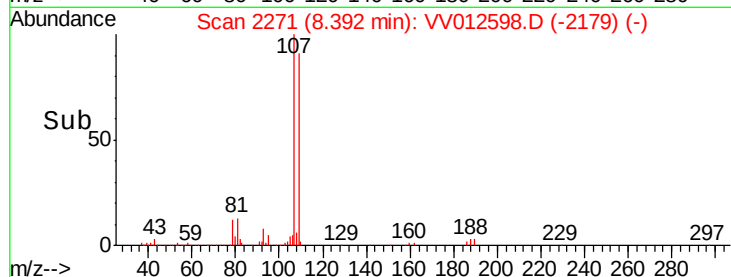
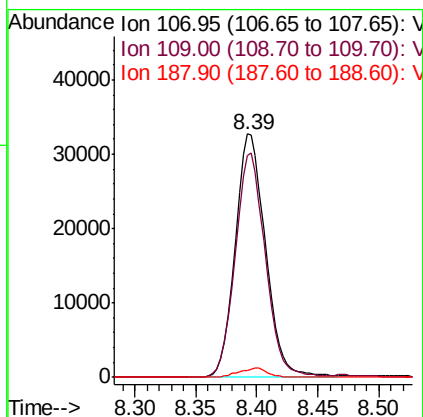
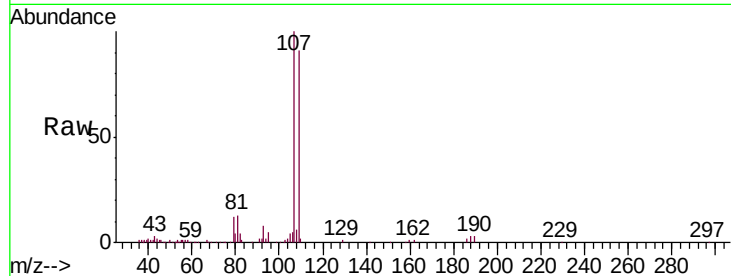




#50
1,2-Dibromoethane
Concen: 5.313 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

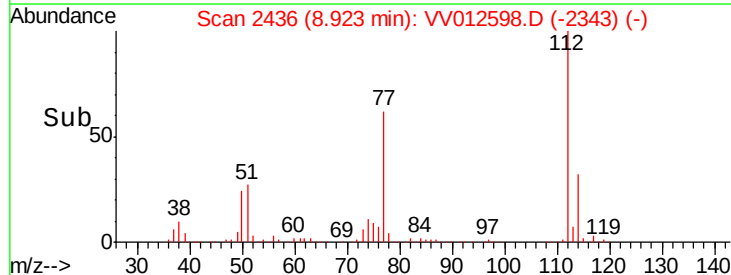
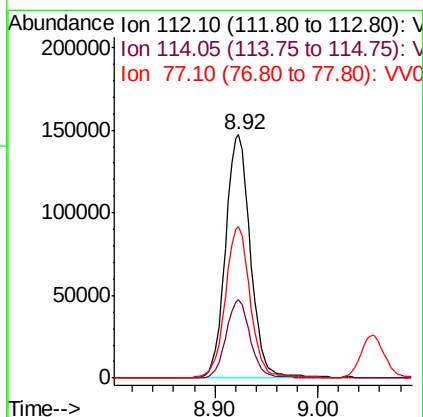
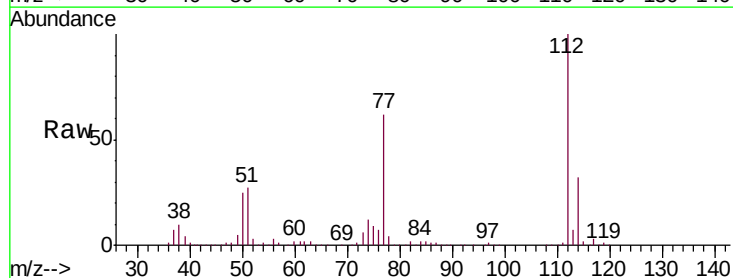
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

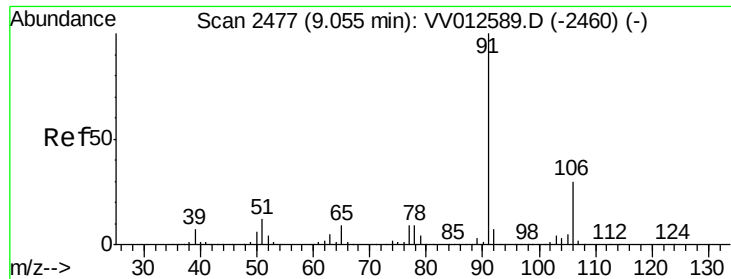
Tgt Ion:107 Resp: 56446
Ion Ratio Lower Upper
107 100
109 91.3 68.5 127.3
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 5.409 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Tgt Ion:112 Resp: 247988
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.3
77 62.3 51.7 77.5

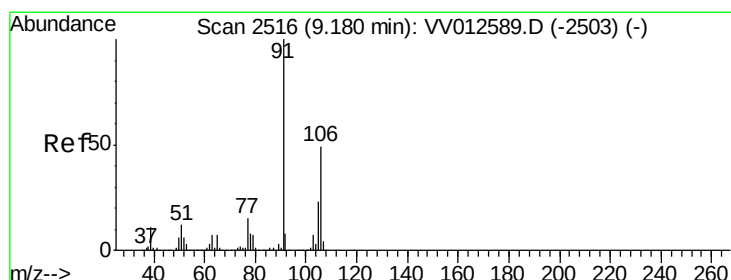
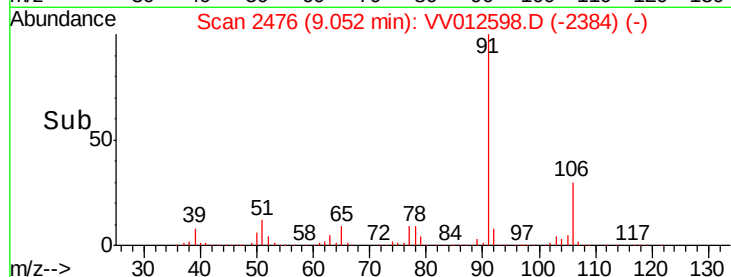
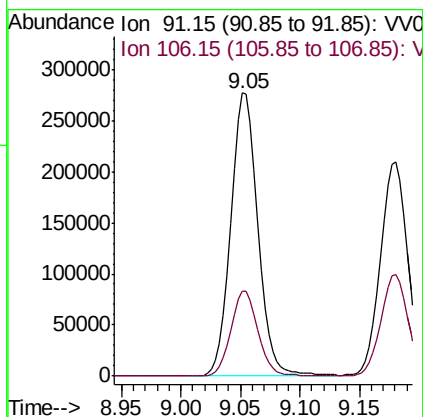
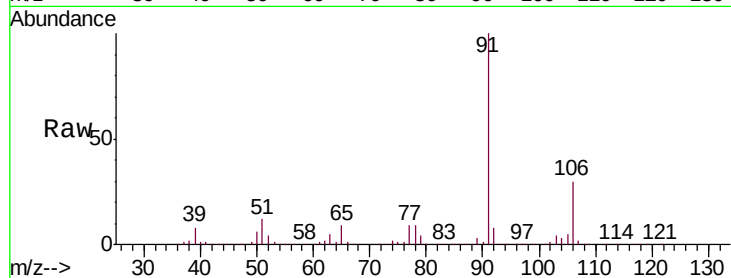




#52
Ethylbenzene
Concen: 5.585 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

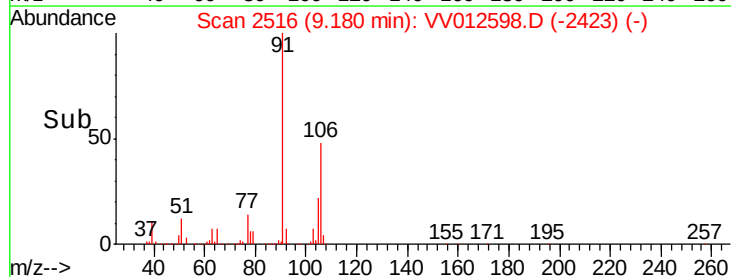
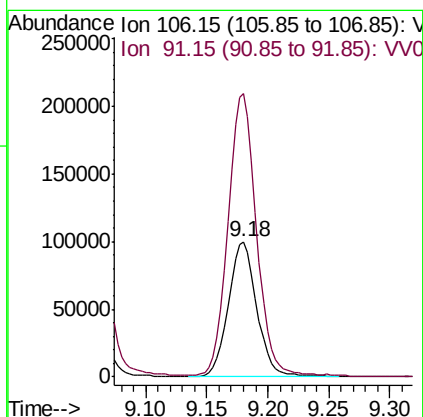
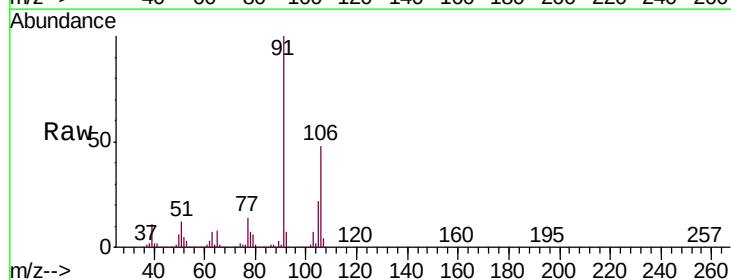
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

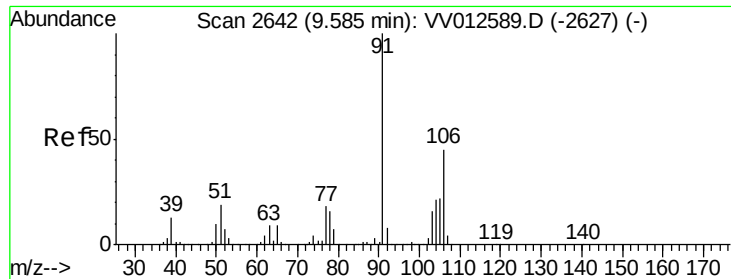
Tgt Ion: 91 Resp: 439073
Ion Ratio Lower Upper
91 100
106 30.2 20.6 38.2



#53
m,p-xylene
Concen: 5.657 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012598.D
Acq: 06 Sep 2019 15:18

Tgt Ion: 106 Resp: 161898
Ion Ratio Lower Upper
106 100
91 209.2 145.0 269.2





#54

o-xylene

Concen: 5.658 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

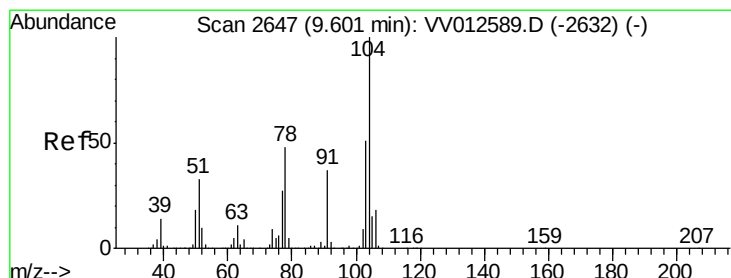
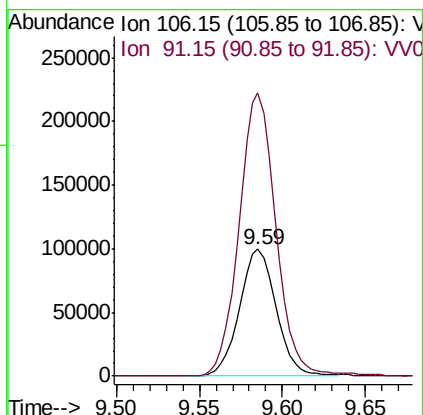
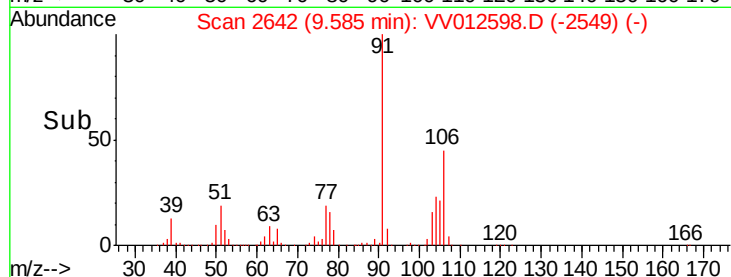
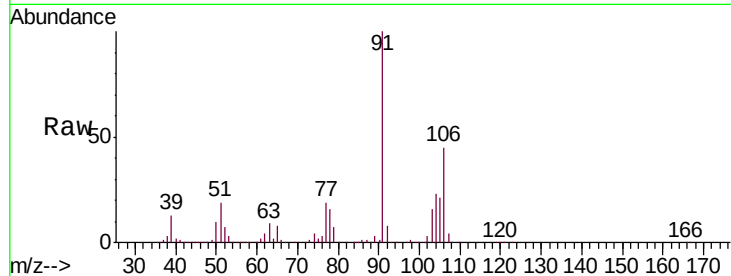
VSTD00544

Tgt Ion:106 Resp: 153598

Ion Ratio Lower Upper

106 100

91 222.8 157.0 291.6



#55

Styrene

Concen: 5.886 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012598.D

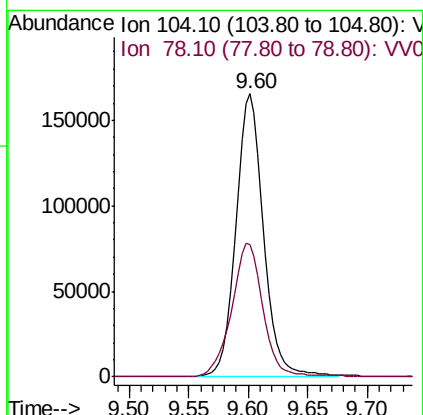
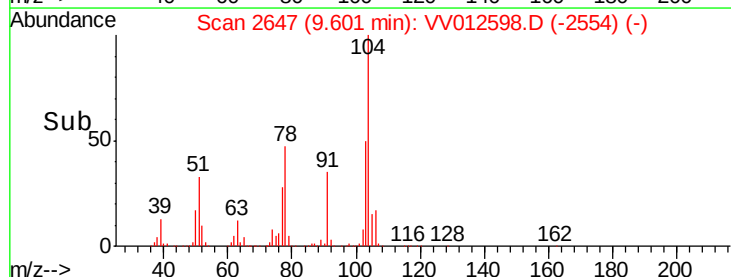
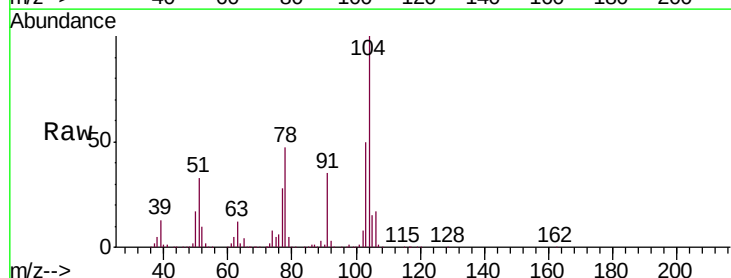
Acq: 06 Sep 2019 15:18

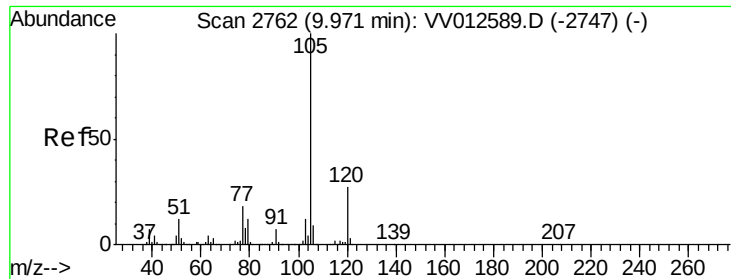
Tgt Ion:104 Resp: 266135

Ion Ratio Lower Upper

104 100

78 46.9 31.8 59.0





#56

Isopropylbenzene

Concen: 5.846 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

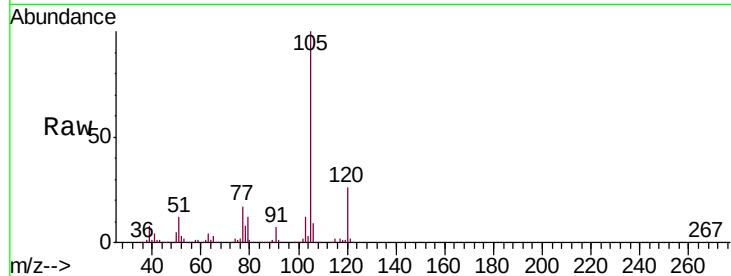
Tgt Ion: 105 Resp: 423157

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

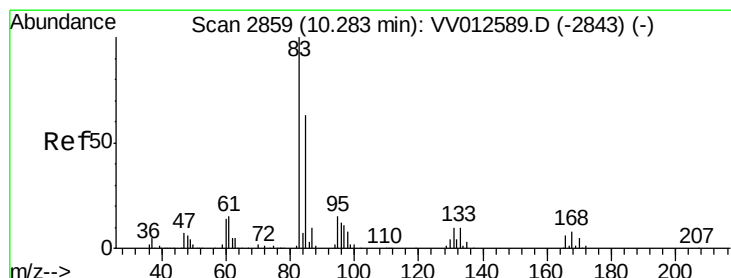
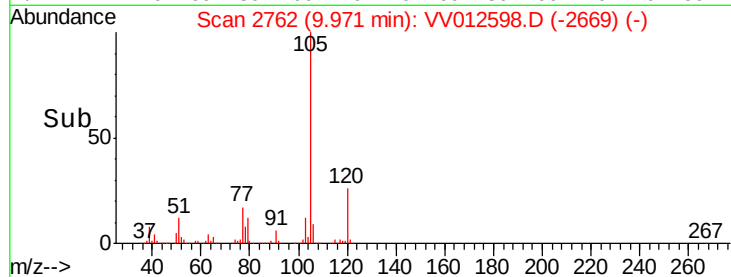
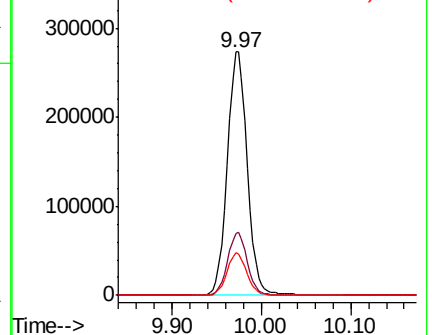
77 17.1 14.2 21.2



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: 5.380 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

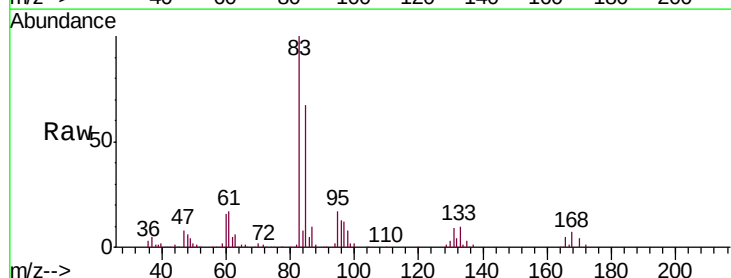
Tgt Ion: 83 Resp: 68243

Ion Ratio Lower Upper

83 100

85 67.0 44.7 82.9

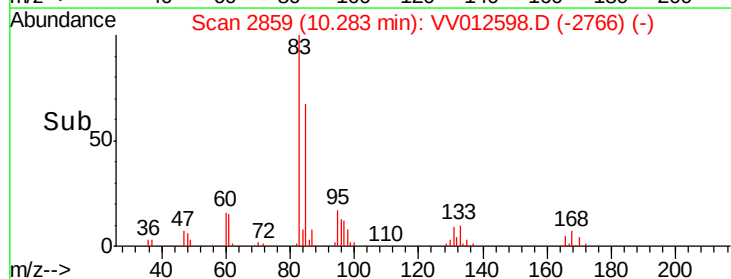
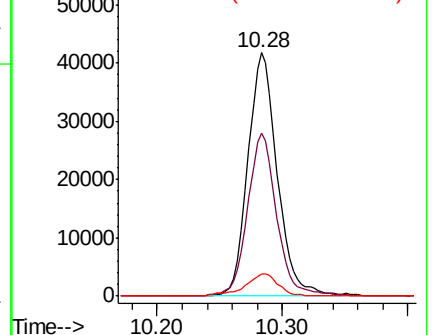
131 9.2 7.4 11.2

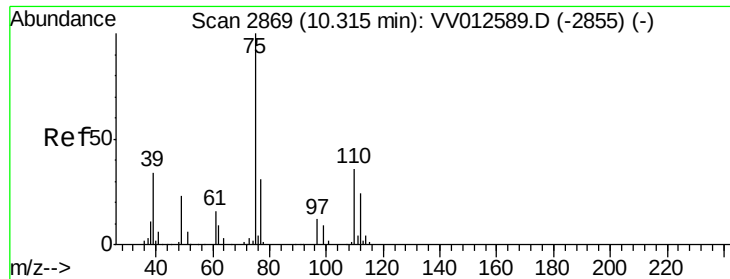


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.166 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

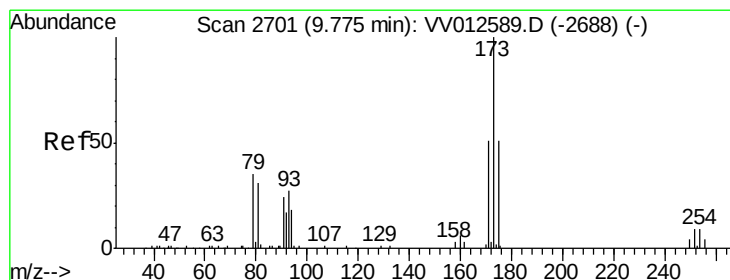
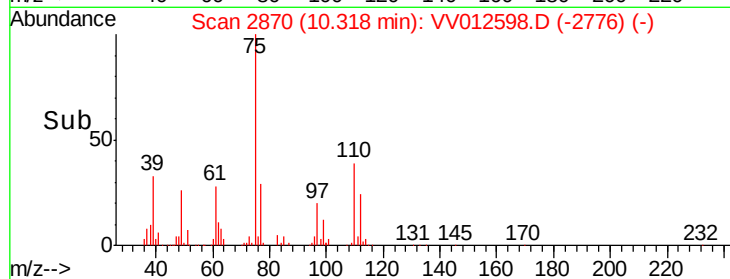
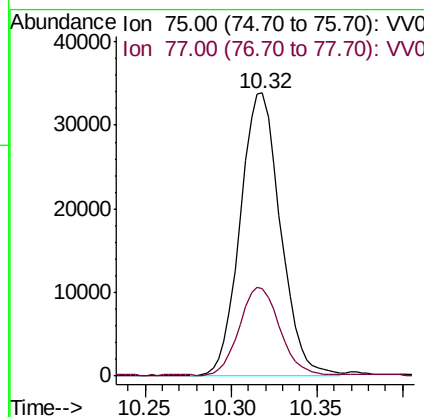
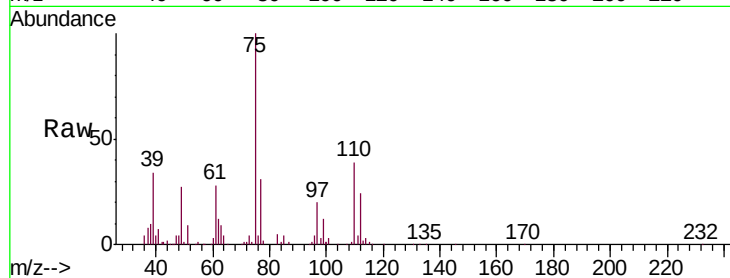
VSTD00544

Tgt Ion: 75 Resp: 55125

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8



#61

Bromoform

Concen: 4.843 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

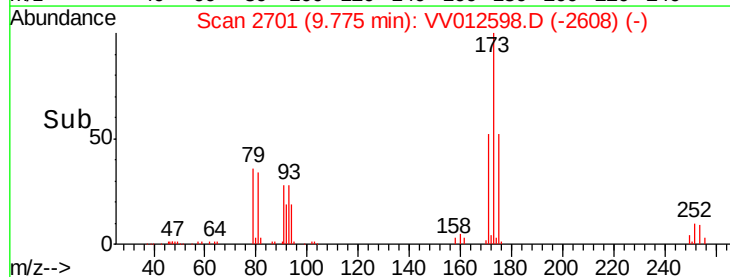
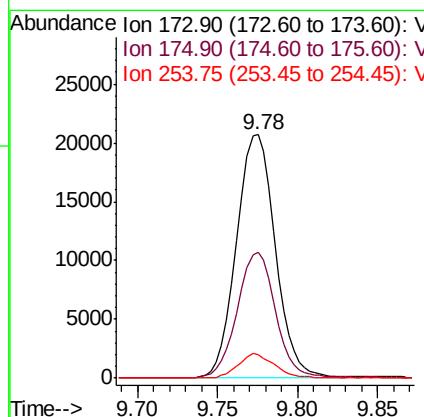
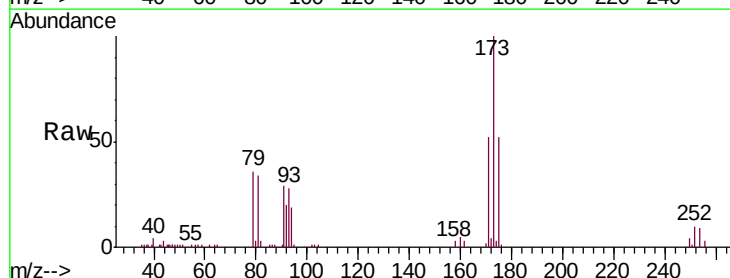
Tgt Ion: 173 Resp: 34238

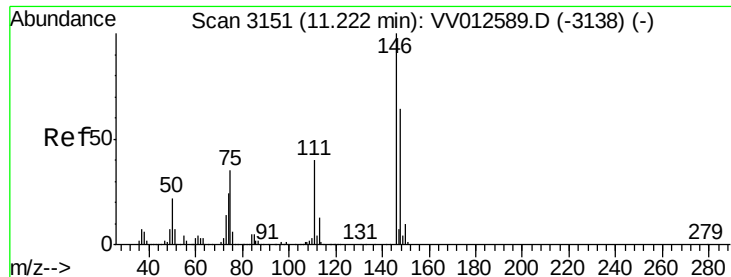
Ion Ratio Lower Upper

173 100

175 51.4 39.6 59.4

254 9.2 7.1 10.7

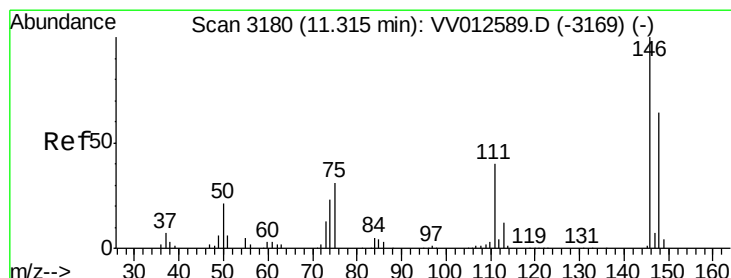
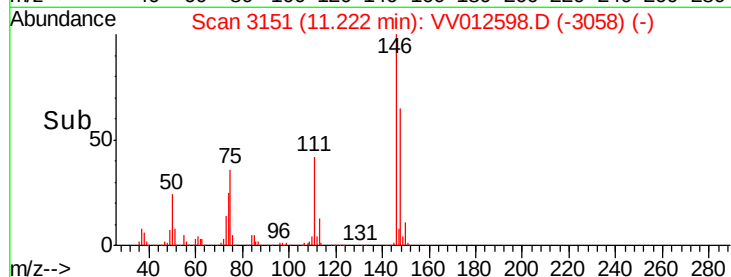
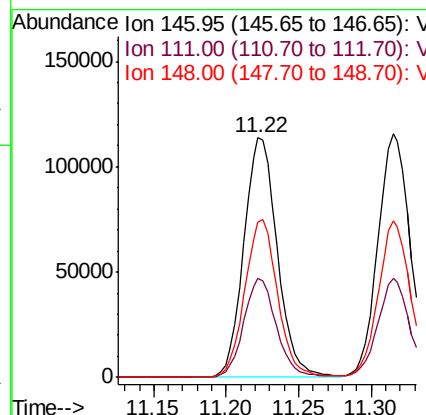
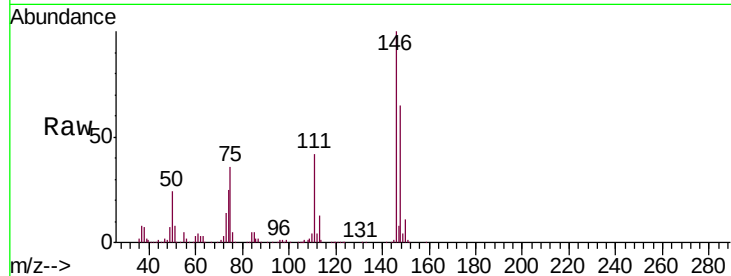




#62
 1,3-Dichlorobenzene
 Concen: 5.223 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

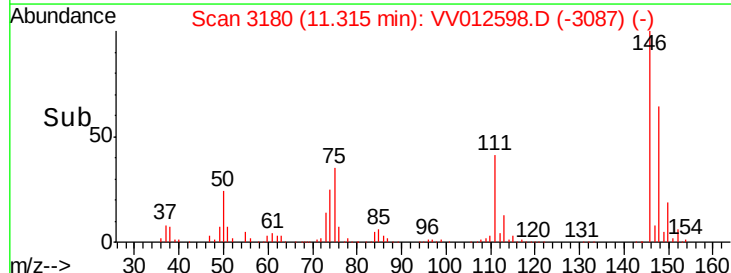
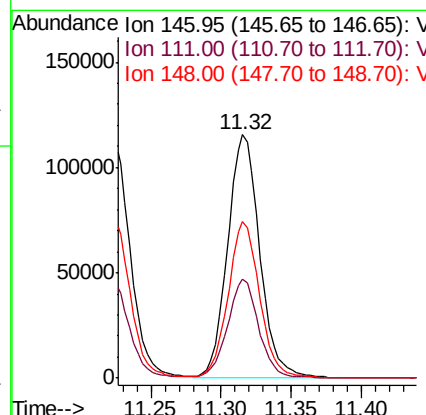
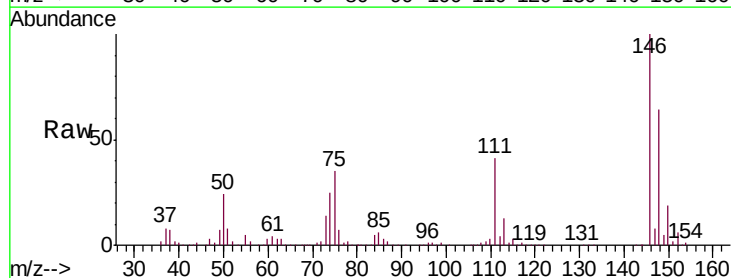
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

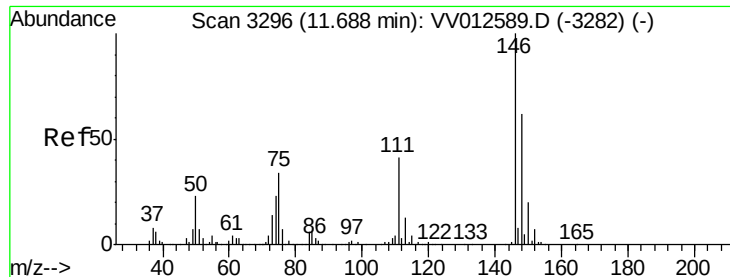
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	28.4	52.8
148	65.1	43.5	80.7



#63
 1,4-Dichlorobenzene
 Concen: 5.209 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.5	51.1
148	64.4	44.8	83.2

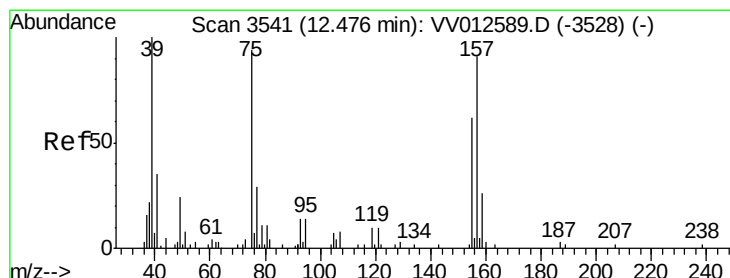
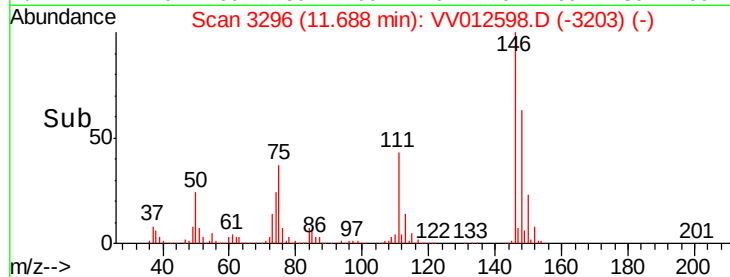
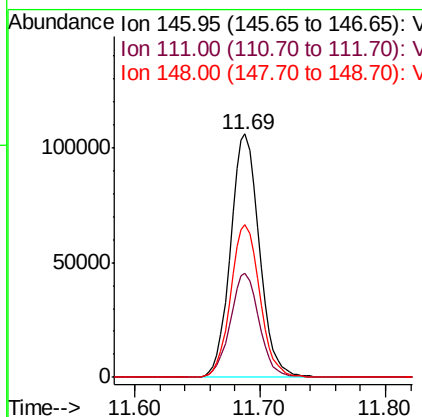
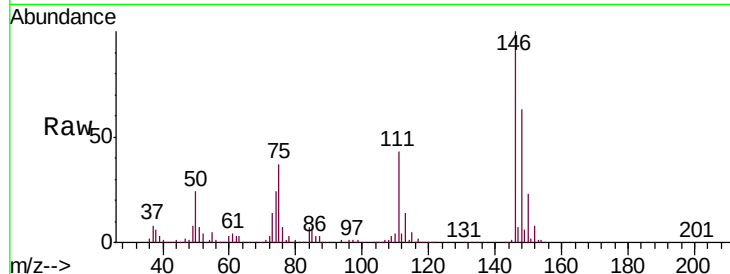




#65
 1,2-Dichlorobenzene
 Concen: 5.179 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

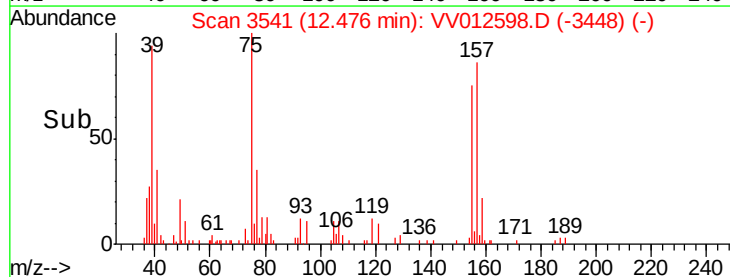
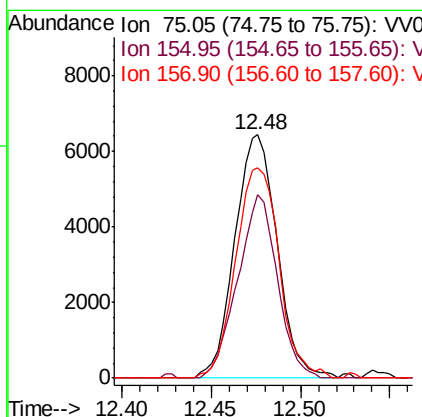
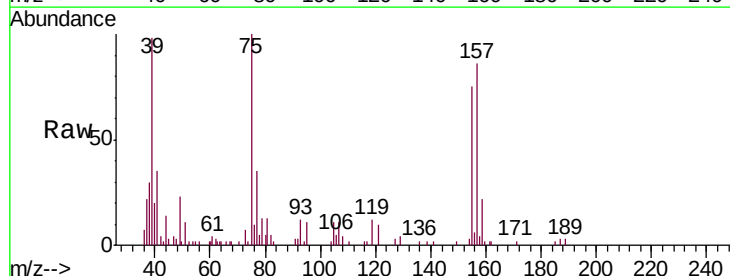
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00544

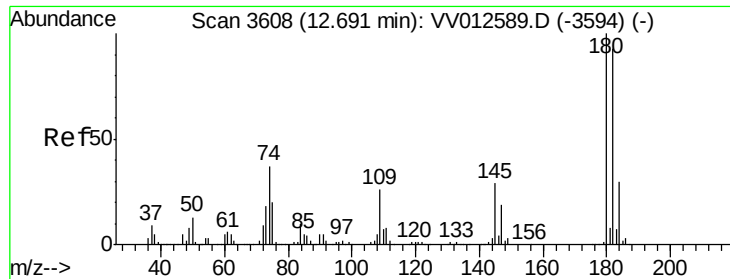
Tgt Ion:146 Resp: 169126
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.1 49.7
 148 62.6 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.849 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Tgt Ion: 75 Resp: 10636
 Ion Ratio Lower Upper
 75 100
 155 75.2 63.0 94.6
 157 86.3 72.2 108.4

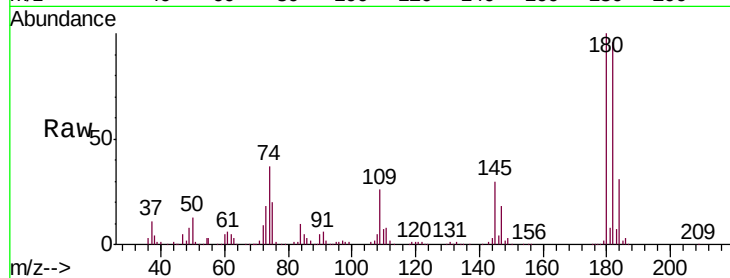




#67
 1,3,5-Trichlorobenzene
 Concen: 5.300 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.0	114.0
184	30.3	25.3	37.9
145	31.0	24.7	37.1



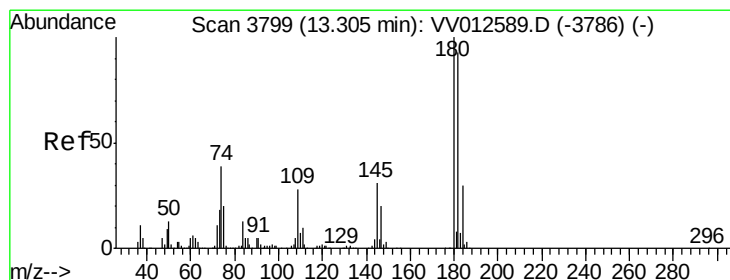
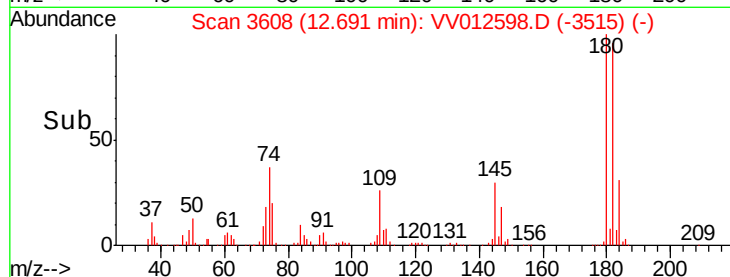
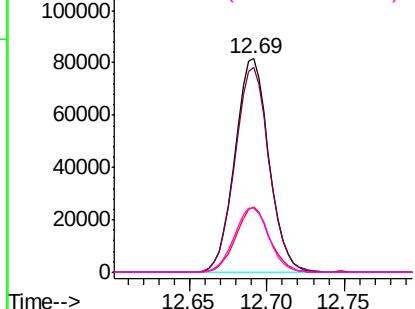
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

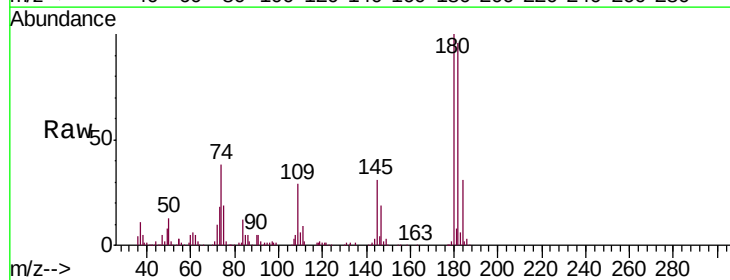
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.390 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012598.D
 Acq: 06 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.7	112.1
145	31.5	24.9	37.3

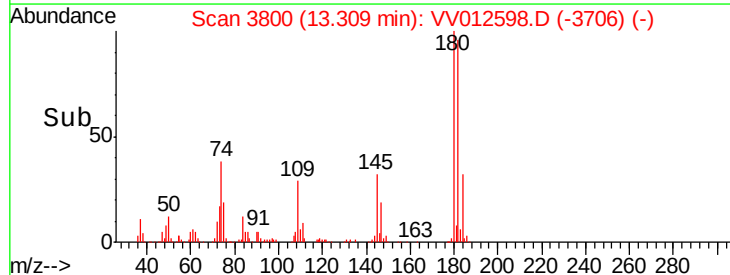
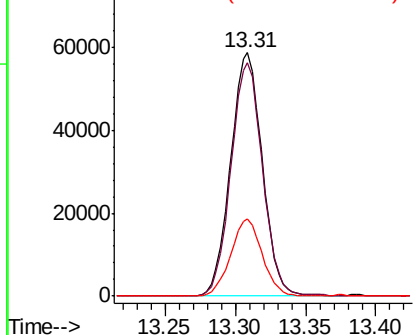


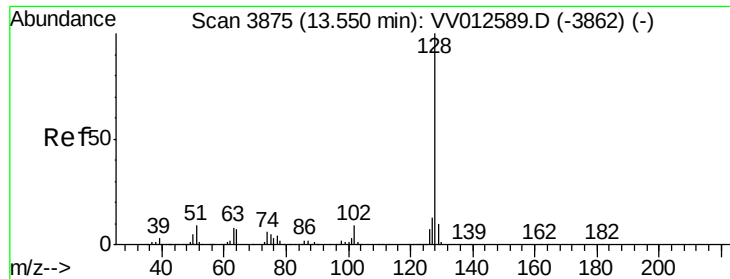
Abundance

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: 5.599 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

Instrument :

MSVOA_V

ClientSampled :

VSTD00544

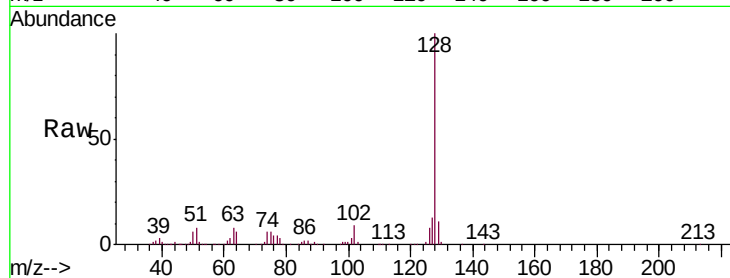
Tgt Ion:128 Resp: 138429

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

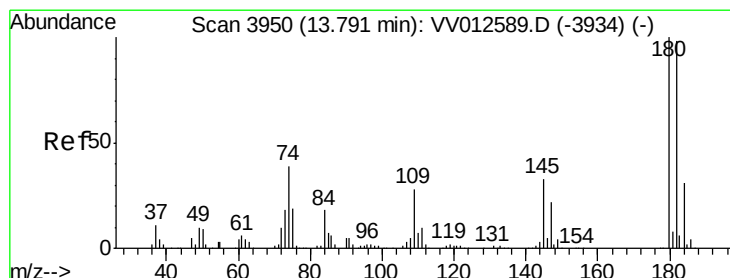
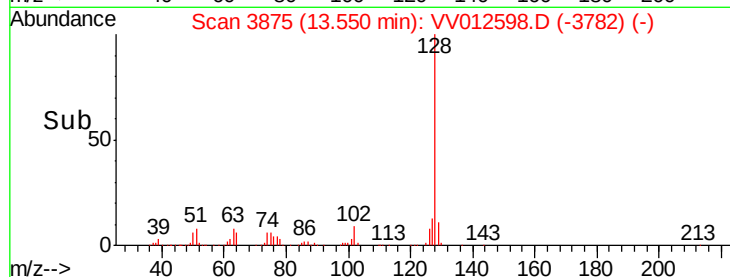
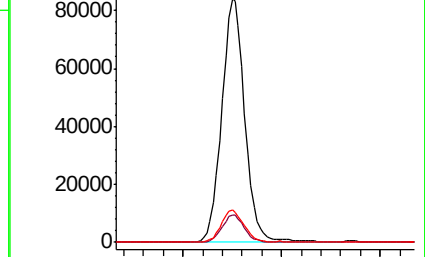
127 13.0 11.1 16.7



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



#70

1,2,3-Trichlorobenzene

Concen: 5.675 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012598.D

Acq: 06 Sep 2019 15:18

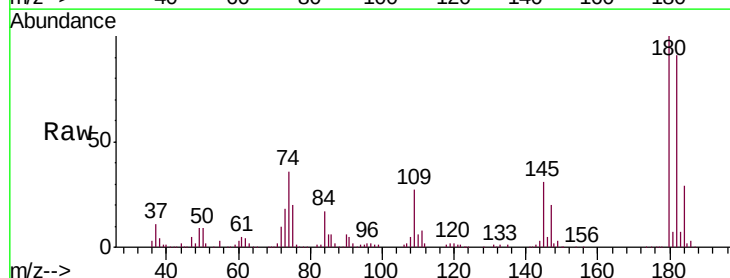
Tgt Ion:180 Resp: 90977

Ion Ratio Lower Upper

180 100

182 93.5 77.8 116.6

145 31.6 26.8 40.2



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

