

Data File : VV012093.D
Acq On : 02 Aug 2019 09:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Quant Time: Aug 02 23:43:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 09:22:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140984	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	135920	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	75137	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36401	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.58	69	27335	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.13	63	72876	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	3.95	46	86934	47.97	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.94%
24) Chloroform-d	4.40	84	98989	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
26) 1,2-Dichloroethane-d4	5.08	65	52095	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
32) Benzene-d6	5.10	84	177720	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.12	67	46827	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	178398	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
43) trans-1,3-Dichloropropene-	7.66	79	23285	5.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.20%
46) 2-Hexanone-d5	8.13	63	72160	48.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.48%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	36237	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
66) 1,2-Dichlorobenzene-d4	11.67	152	71598	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	78265	4.871 ug/L	99
3) Chloromethane	1.25	50	41042	4.462 ug/L	99
5) Vinyl chloride	1.32	62	39868	4.237 ug/L	95
6) Bromomethane	1.53	94	22603	4.019 ug/L	99
8) Chloroethane	1.60	64	22788	4.457 ug/L	97
9) Trichlorofluoromethane	1.77	101	81536	5.066 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	36701	5.249 ug/L	98
12) 1,1-Dichloroethene	2.14	96	33741	5.209 ug/L	89
13) Acetone	2.22	43	46521	46.648 ug/L	98
14) Carbon disulfide	2.32	76	87710	4.850 ug/L	98
15) Methyl Acetate	2.47	43	9325	4.550 ug/L	99
16) Methylene chloride	2.53	84	33437	5.034 ug/L	93
17) Methyl tert-butyl Ether	2.80	73	110524	5.427 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	47558	5.096 ug/L	93
19) 1,1-Dichloroethane	3.23	63	81422	4.879 ug/L	97
21) 2-Butanone	4.04	43	93920	47.730 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	51249	5.157 ug/L	97

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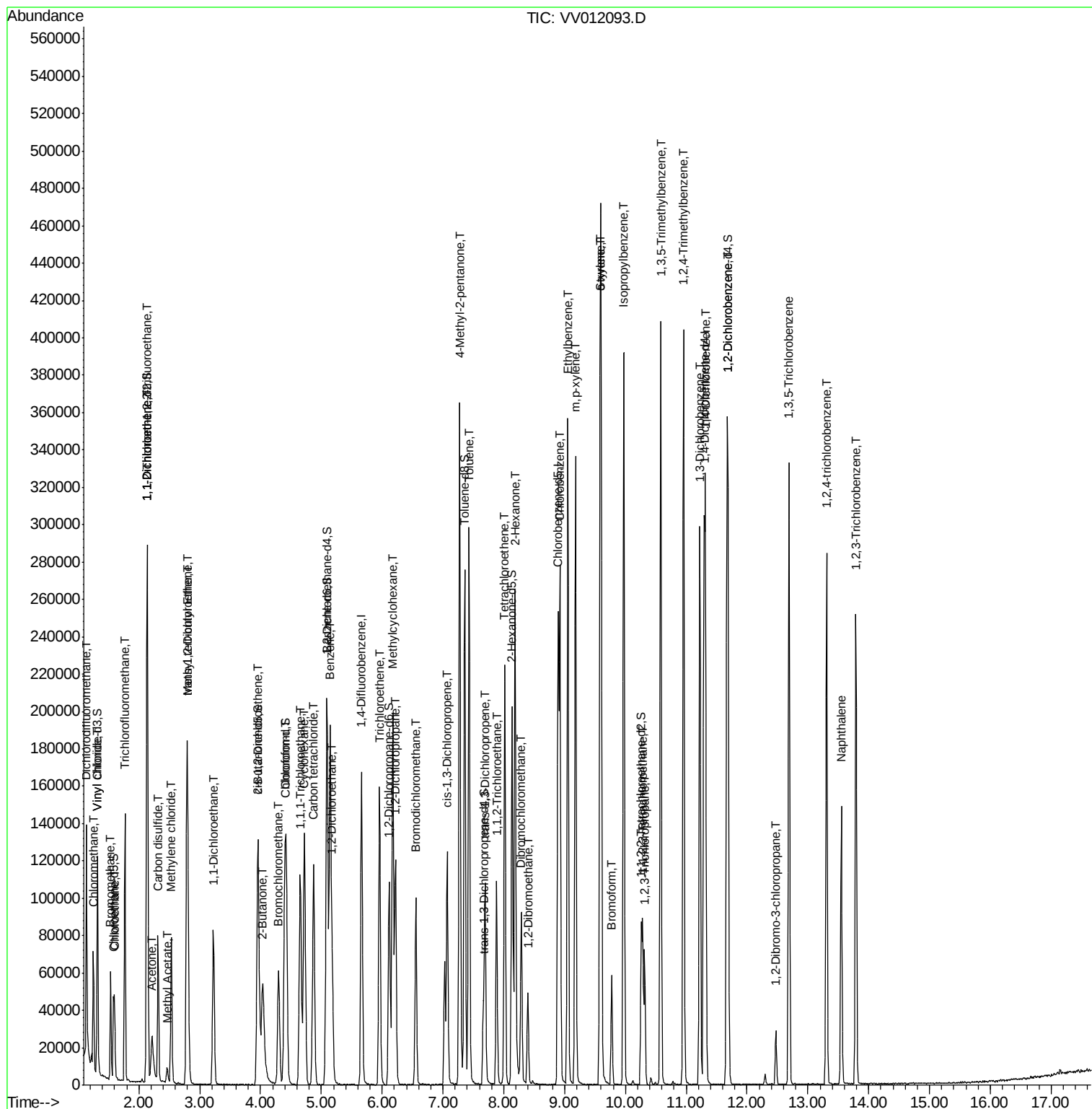
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24379	5.593	ug/L #	82
25) Chloroform	4.42	83	96624	4.617	ug/L	100
27) 1,2-Dichloroethane	5.18	62	62956	5.451	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	94586	5.629	ug/L	97
30) Cyclohexane	4.72	56	68108	4.739	ug/L	95
31) Carbon tetrachloride	4.87	117	88583	5.859	ug/L	100
33) Benzene	5.14	78	187185	5.070	ug/L	100
34) Trichloroethene	5.96	95	52650	5.000	ug/L	94
35) Methylcyclohexane	6.17	83	83879	5.084	ug/L	94
37) 1,2-Dichloropropane	6.22	63	43138	5.050	ug/L	100
38) Bromodichloromethane	6.55	83	66442	5.509	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	69859	5.216	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	227721	47.261	ug/L	98
42) Toluene	7.43	91	213376	5.198	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	57858	5.343	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	32123	4.931	ug/L	94
47) Tetrachloroethene	8.02	164	50895	5.531	ug/L	95
48) 2-Hexanone	8.18	43	166201	48.807	ug/L	97
49) Dibromochloromethane	8.29	129	47201	5.910	ug/L	95
50) 1,2-Dibromoethane	8.40	107	31867	5.234	ug/L	100
51) Chlorobenzene	8.92	112	140426	5.116	ug/L	98
52) Ethylbenzene	9.05	91	241920	5.164	ug/L	100
53) m,p-xylene	9.18	106	94551	5.302	ug/L	95
54) o-xylene	9.59	106	90128	5.340	ug/L	92
55) Styrene	9.60	104	152304	5.356	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	35480	5.075	ug/L #	98
59) Bromoform	9.77	173	27178	5.984	ug/L	97
60) Isopropylbenzene	9.97	105	252275	5.256	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	26170	4.779	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	217788	5.495	ug/L	97
63) 1,2,4-Trimethylbenzene	10.96	105	215667	5.476	ug/L	100
64) 1,3-Dichlorobenzene	11.23	146	126832	5.302	ug/L	99
65) 1,4-Dichlorobenzene	11.32	146	122876	5.041	ug/L	96
67) 1,2-Dichlorobenzene	11.69	146	112582	5.179	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	7294	6.460	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	109397	5.532	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	89633	5.727	ug/L	99
71) Naphthalene	13.55	128	123451	5.685	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	79164	5.707	ug/L	98

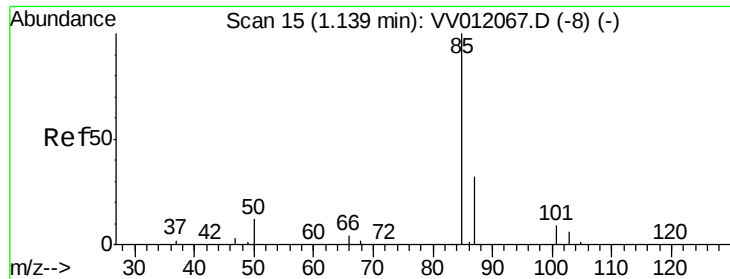
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.871 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

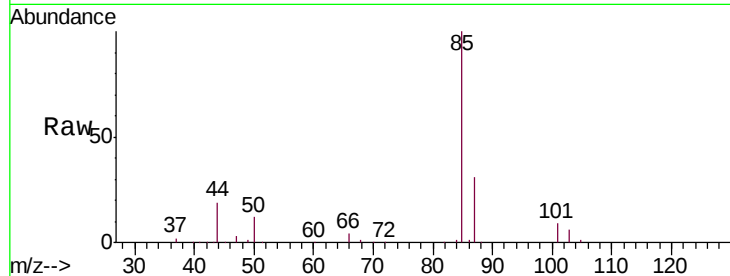
VSTD00557

Tgt Ion: 85 Resp: 78265

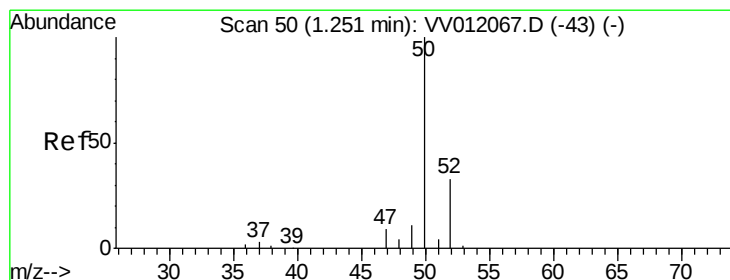
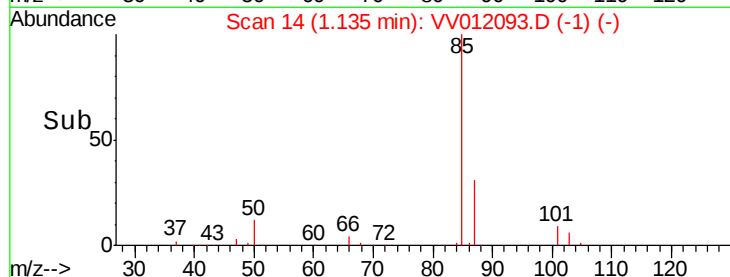
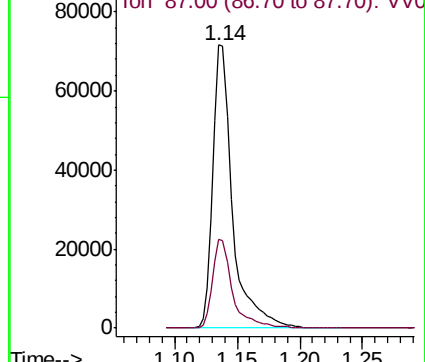
Ion Ratio Lower Upper

85 100

87 31.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012067.D (-8) (-)



#3

Chloromethane

Concen: 4.462 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012093.D

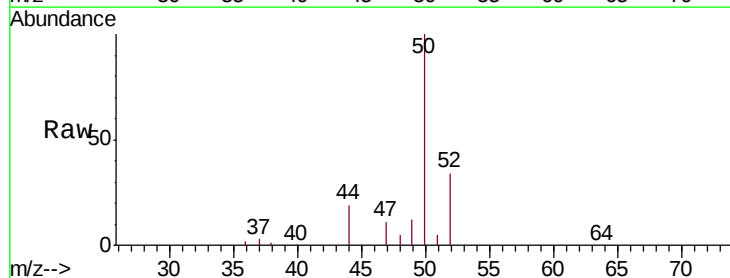
Acq: 02 Aug 2019 09:37

Tgt Ion: 50 Resp: 41042

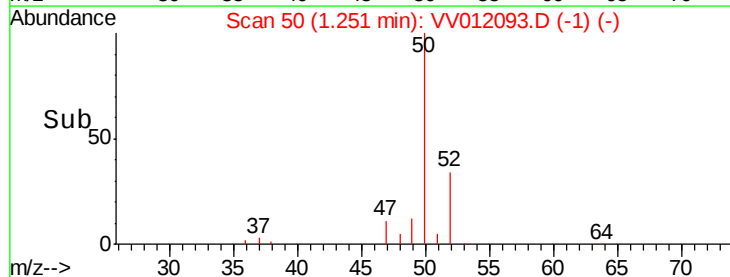
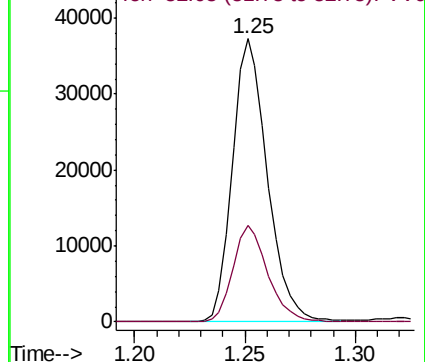
Ion Ratio Lower Upper

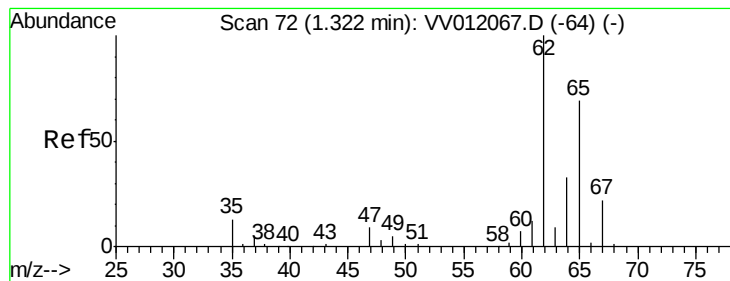
50 100

52 33.9 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012067.D (-43) (-)





#5

Vinyl chloride

Concen: 4.237 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

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MSVOA_V

ClientSampleId :

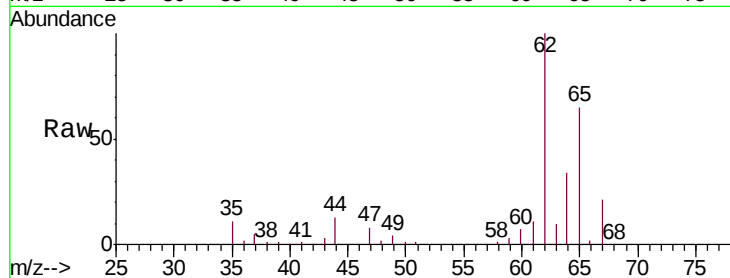
VSTD00557

Tgt Ion: 62 Resp: 39868

Ion Ratio Lower Upper

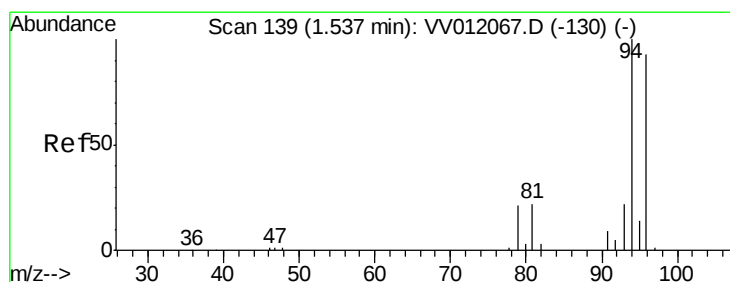
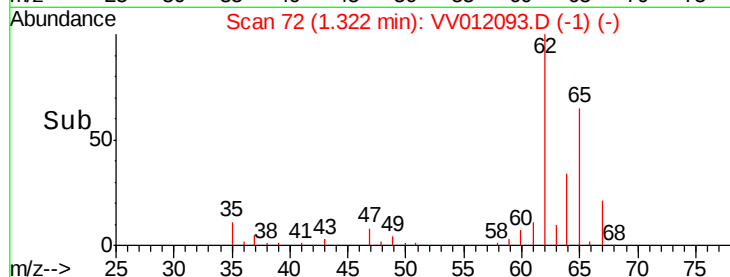
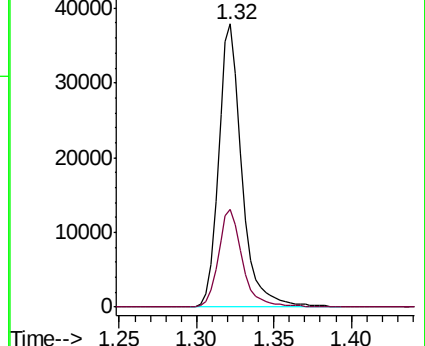
62 100

64 34.5 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.019 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012093.D

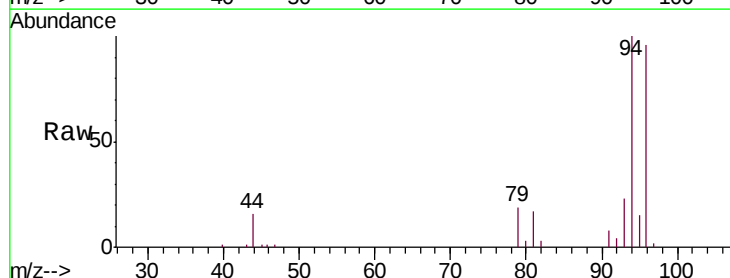
Acq: 02 Aug 2019 09:37

Tgt Ion: 94 Resp: 22603

Ion Ratio Lower Upper

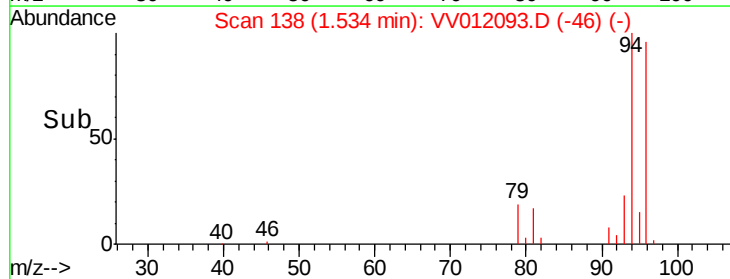
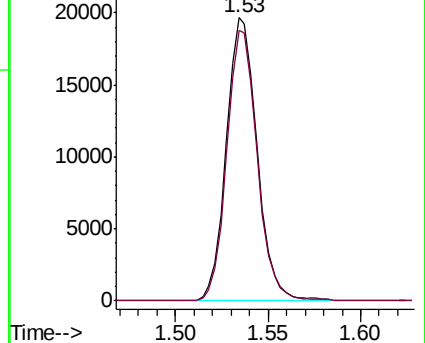
94 100

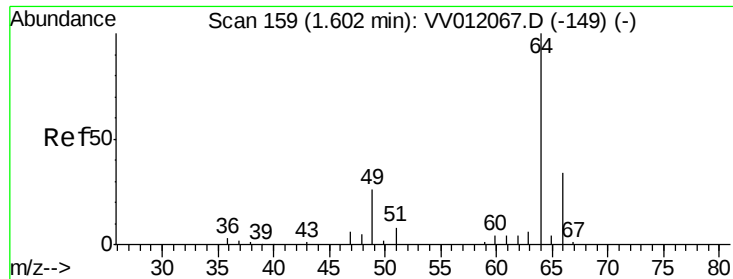
96 95.8 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.457 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

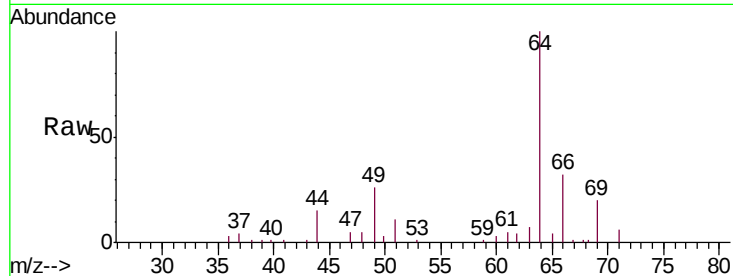
VSTD00557

Tgt Ion: 64 Resp: 22788

Ion Ratio Lower Upper

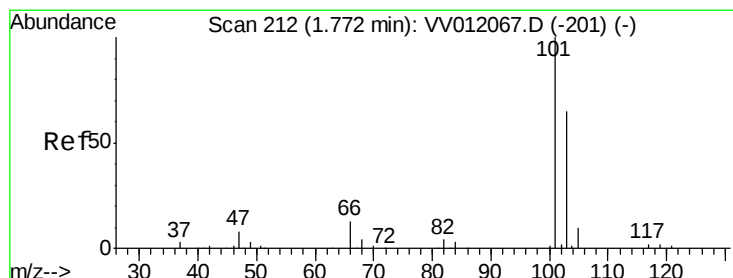
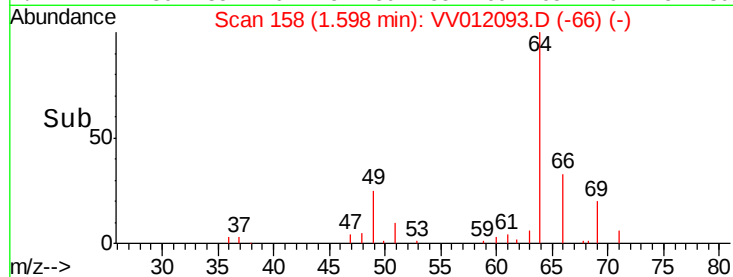
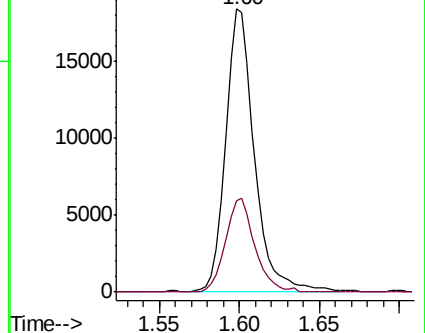
64 100

66 32.4 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV012067.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012093.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 5.066 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012093.D

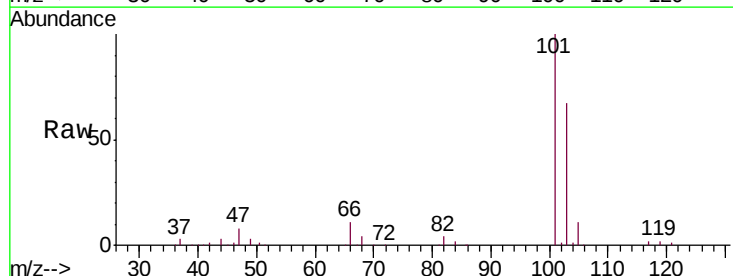
Acq: 02 Aug 2019 09:37

Tgt Ion: 101 Resp: 81536

Ion Ratio Lower Upper

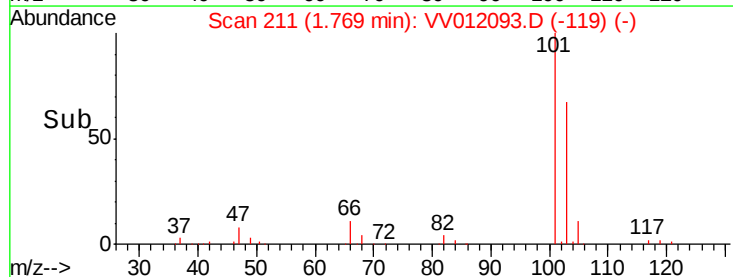
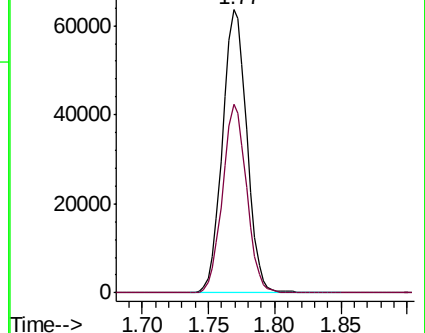
101 100

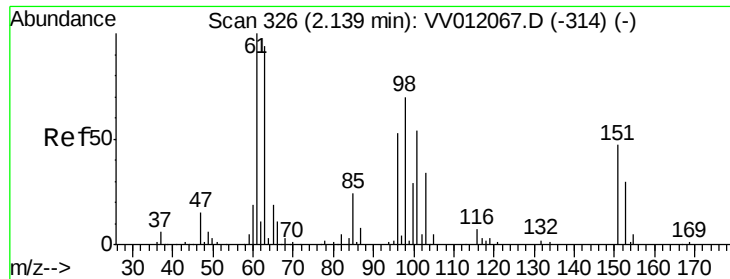
103 65.7 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV012067.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012093.D (-119) (-)





#10

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

Concen: 5.249 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

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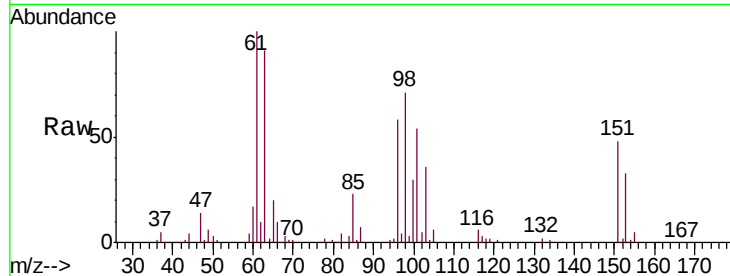
Tgt Ion: 101 Resp: 36701

Ion Ratio Lower Upper

101 100

85 44.0 37.8 56.8

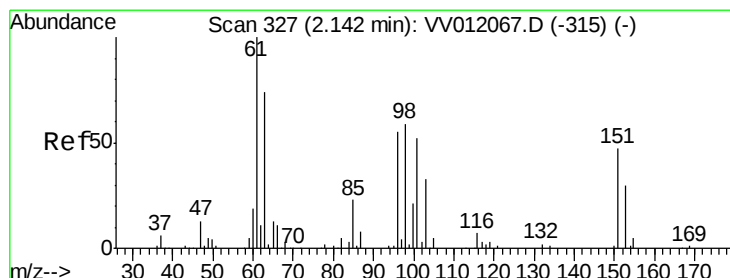
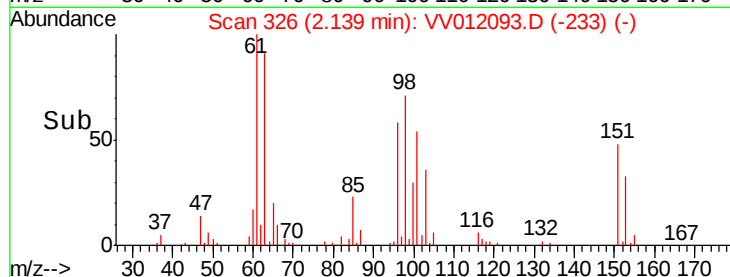
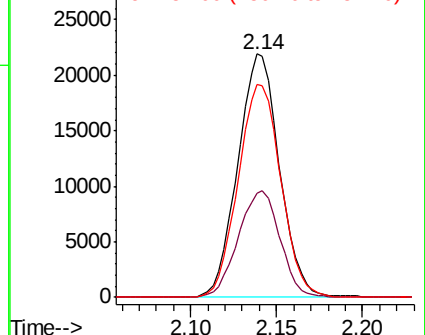
151 89.8 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.209 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

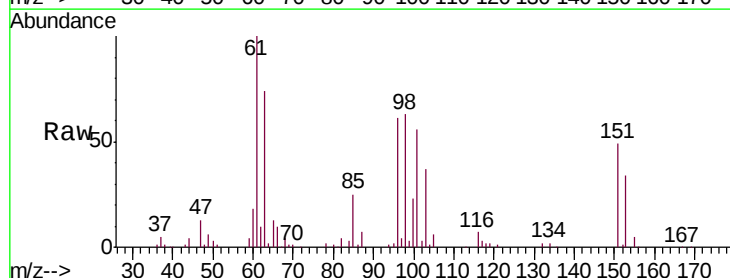
Tgt Ion: 96 Resp: 33741

Ion Ratio Lower Upper

96 100

61 164.7 127.8 237.4

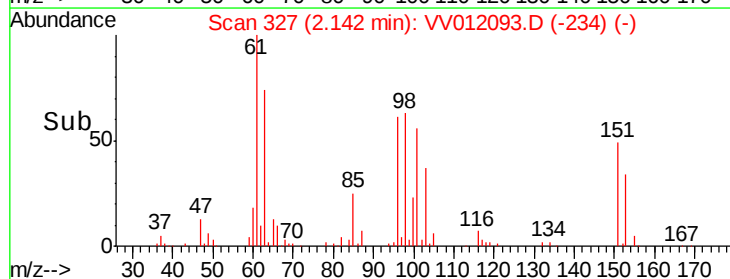
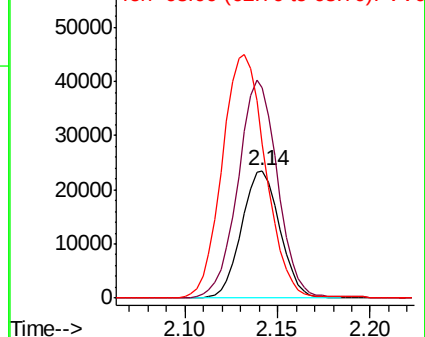
63 121.2 92.7 172.3

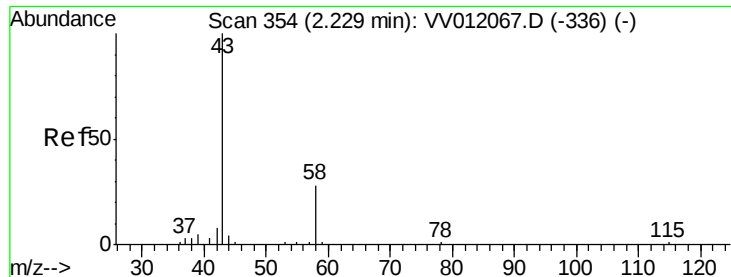


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.648 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

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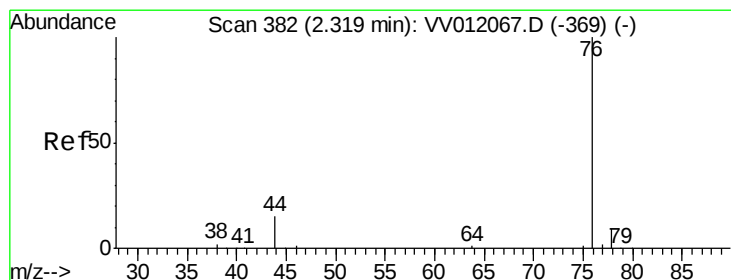
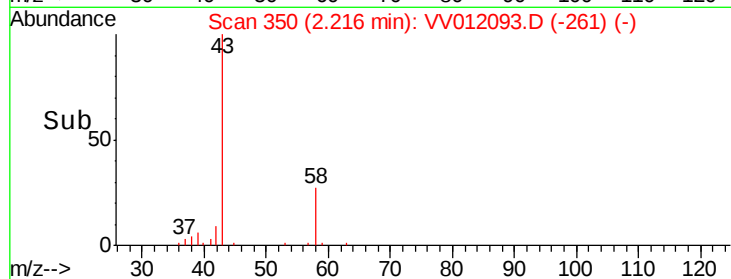
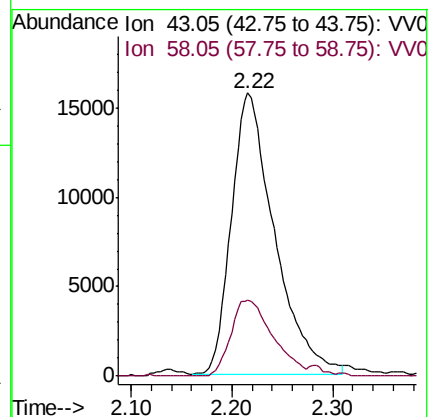
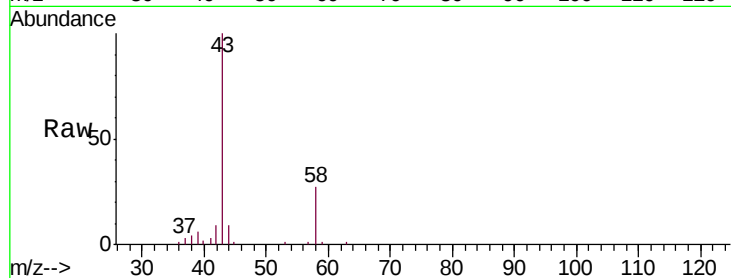
VSTD00557

Tgt Ion: 43 Resp: 46521

Ion Ratio Lower Upper

43 100

58 26.6 0.0 51.6



#14

Carbon disulfide

Concen: 4.850 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012093.D

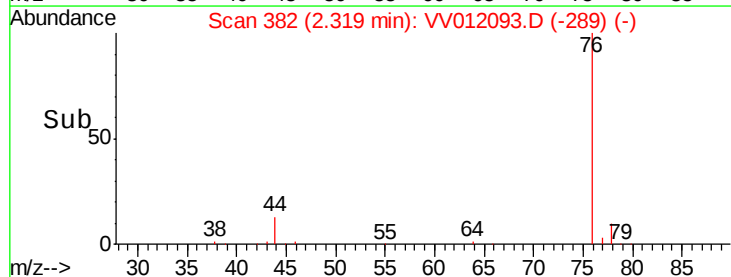
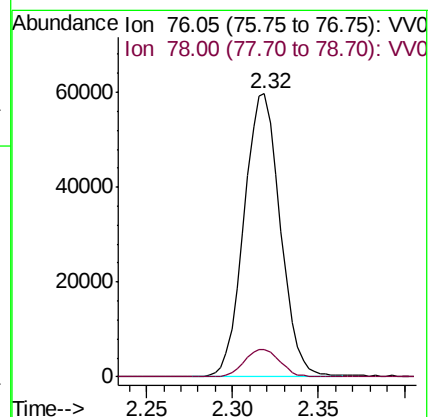
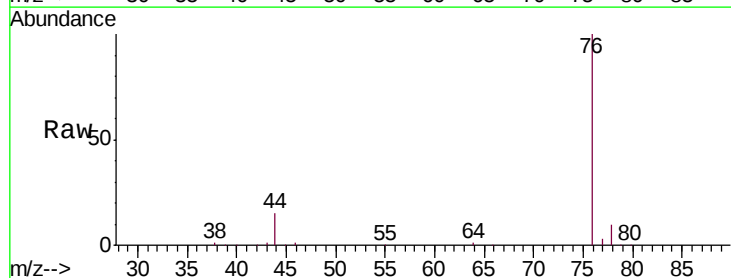
Acq: 02 Aug 2019 09:37

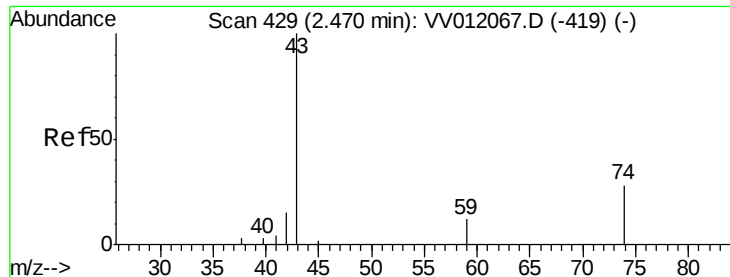
Tgt Ion: 76 Resp: 87710

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

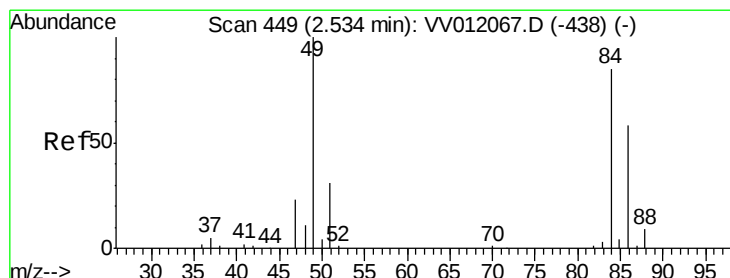
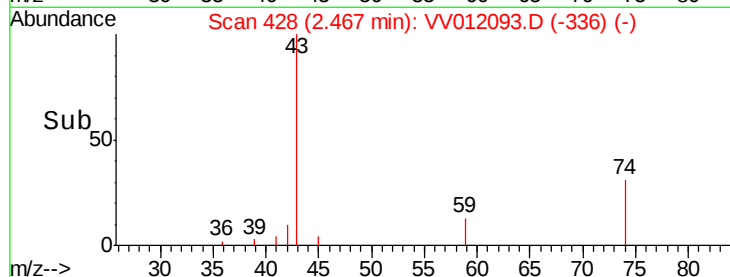
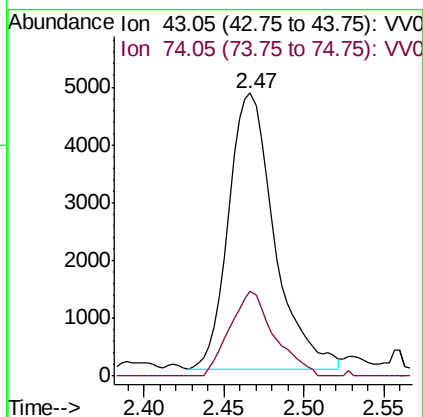
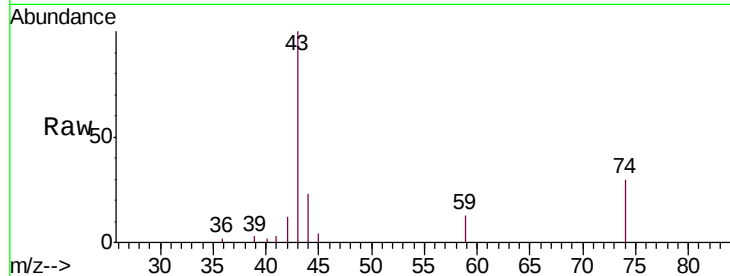




#15
Methyl Acetate
Concen: 4.550 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

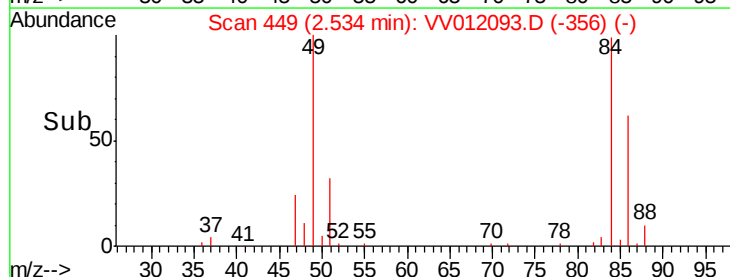
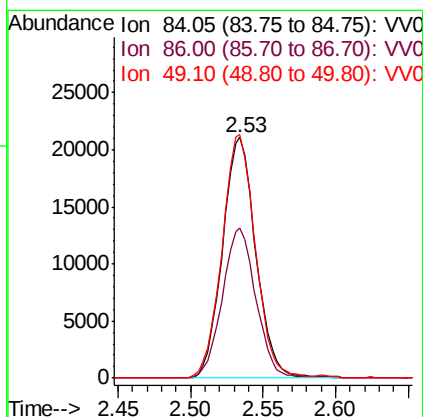
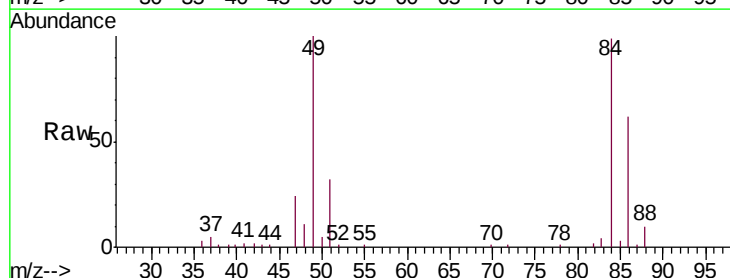
Instrument :
MSVOA_V
ClientSampled :
VSTD00557

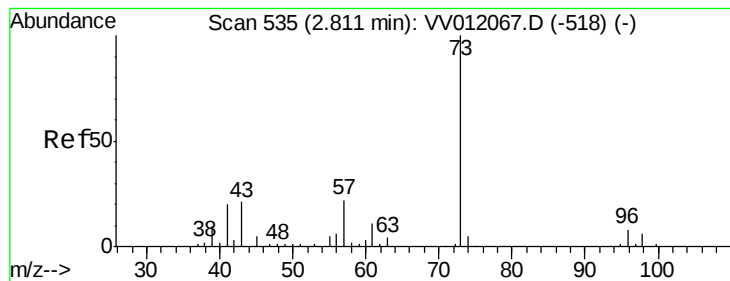
Tgt Ion: 43 Resp: 9325
Ion Ratio Lower Upper
43 100
74 29.9 24.4 36.6



#16
Methylene chloride
Concen: 5.034 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

Tgt Ion: 84 Resp: 33437
Ion Ratio Lower Upper
84 100
86 62.4 44.9 83.3
49 101.2 78.6 146.0





#17

Methyl tert-butyl Ether

Concen: 5.427 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.01 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

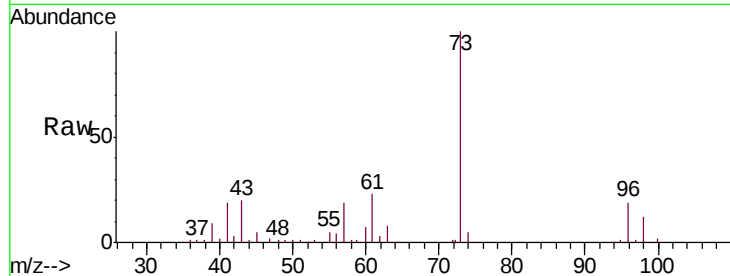
Tgt Ion: 73 Resp: 110524

Ion Ratio Lower Upper

73 100

43 20.4 17.6 26.4

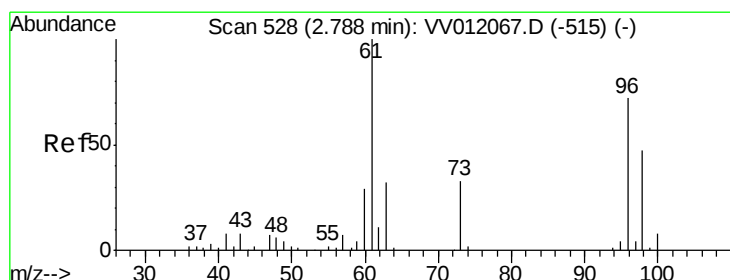
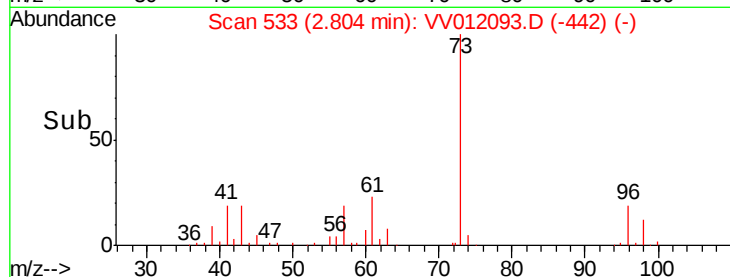
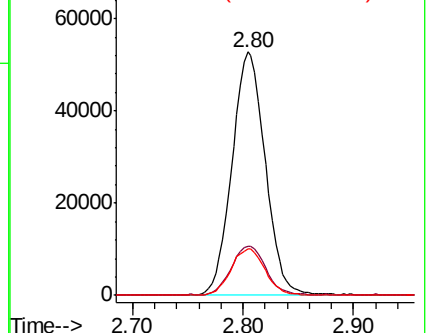
57 19.6 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV012067.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV012067.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV012067.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.096 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

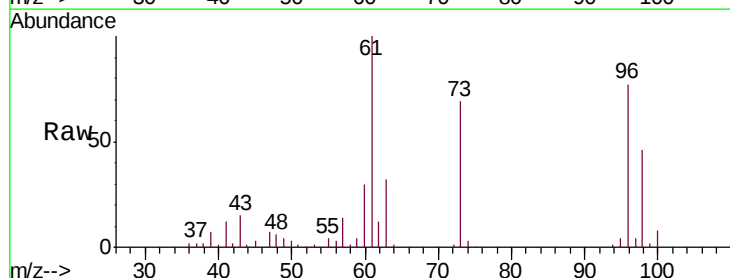
Tgt Ion: 96 Resp: 47558

Ion Ratio Lower Upper

96 100

61 129.6 97.2 180.6

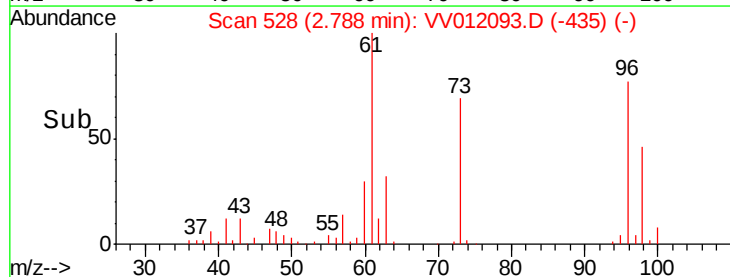
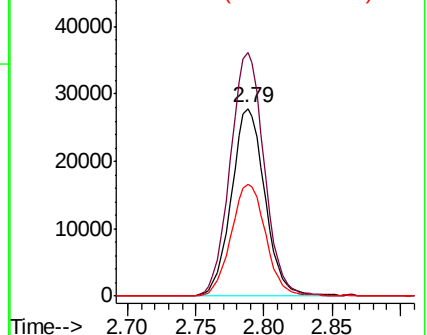
98 59.6 45.0 83.6

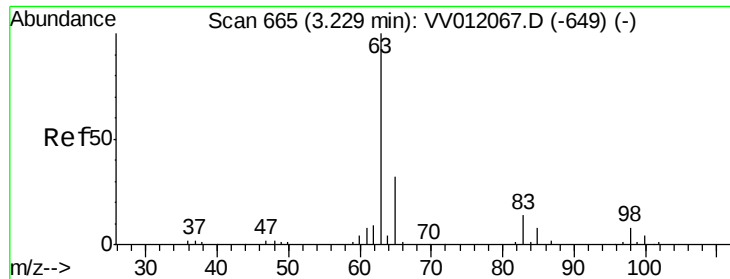


Abundance Ion 96.00 (95.70 to 96.70): VV012067.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012067.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012067.D (-515) (-)

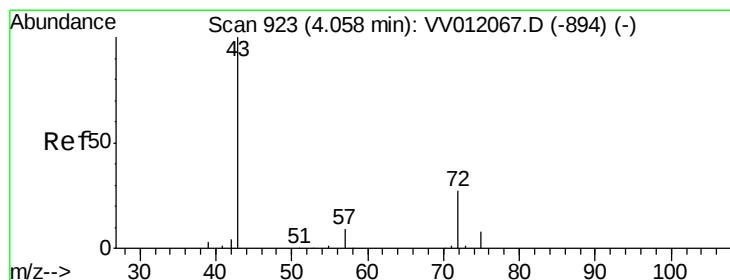
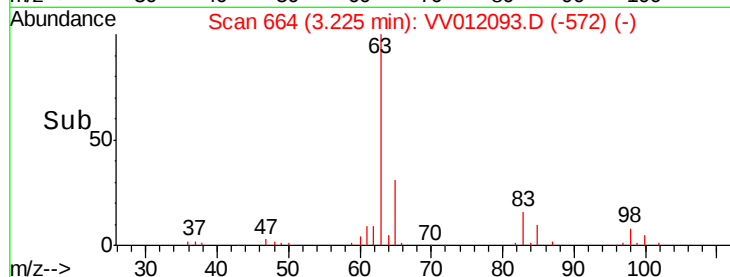
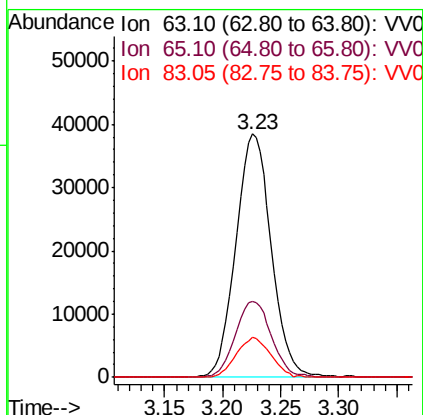
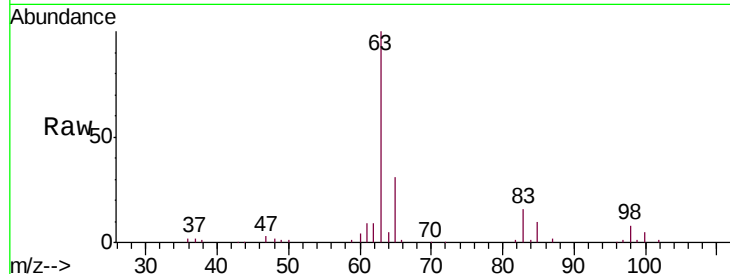




#19
 1,1-Dichloroethane
 Concen: 4.879 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

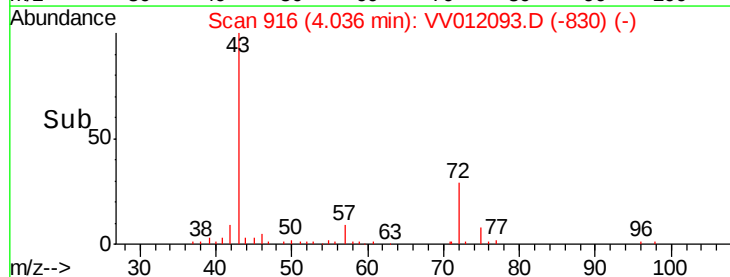
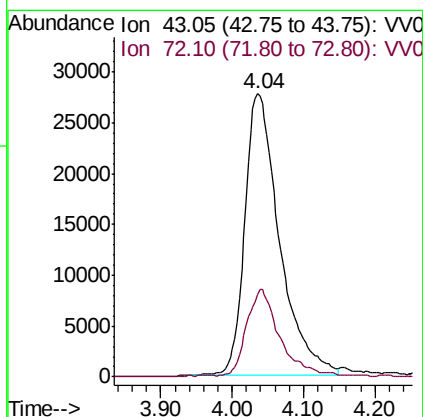
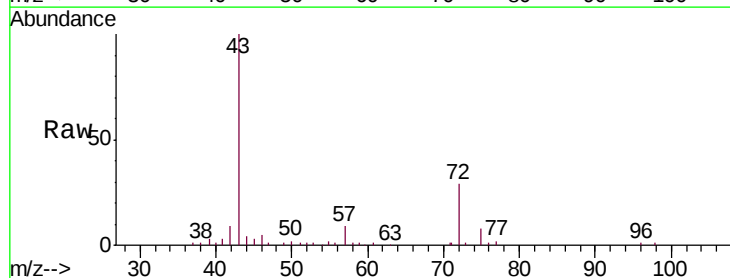
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

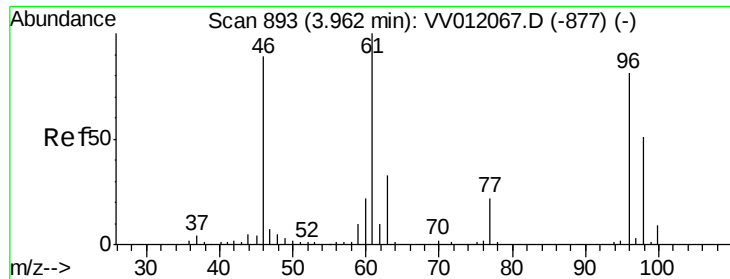
Tgt Ion: 63 Resp: 81422
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.0 42.6
 83 16.2 9.7 17.9



#21
 2-Butanone
 Concen: 47.730 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 43 Resp: 93920
 Ion Ratio Lower Upper
 43 100
 72 29.5 13.4 40.2



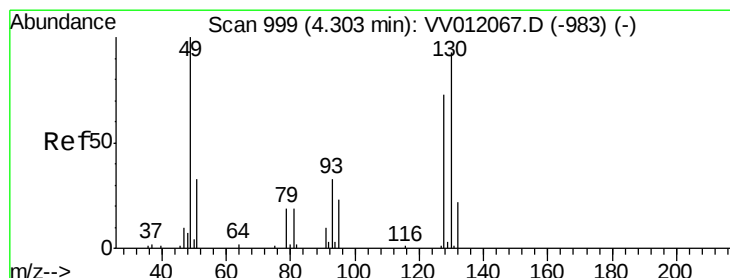
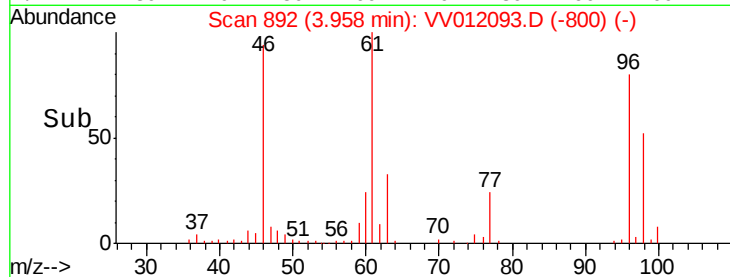
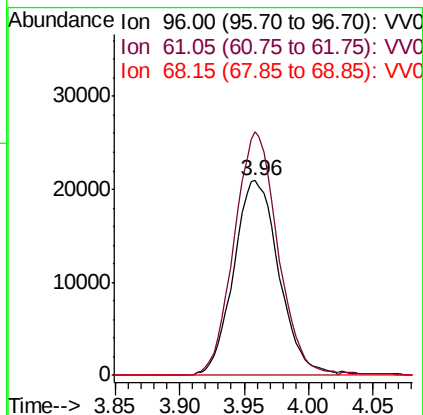
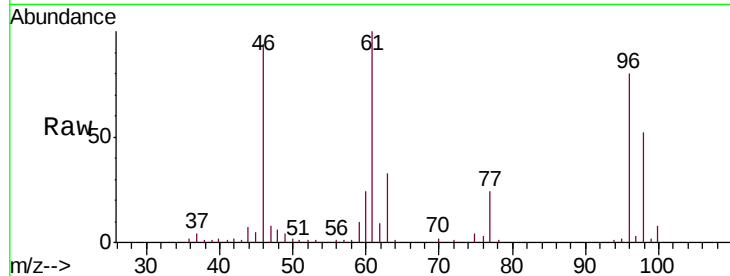


#22

cis-1,2-Dichloroethene
 Concen: 5.157 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

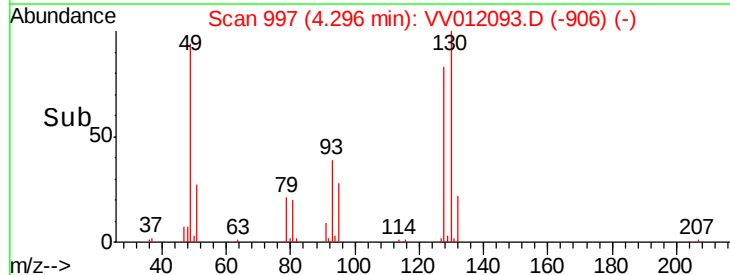
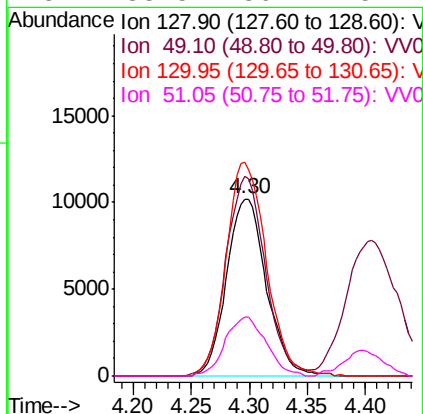
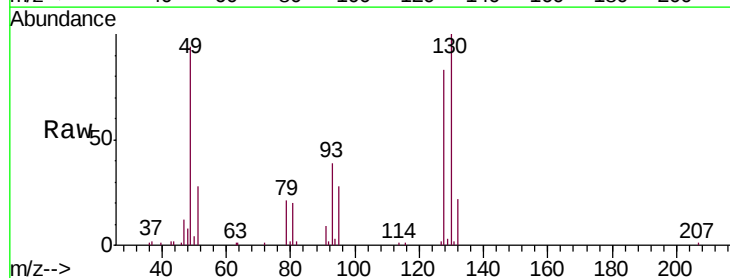
Tgt Ion: 96 Resp: 51249
 Ion Ratio Lower Upper
 96 100
 61 125.1 90.0 167.2
 68 0.0 0.0 0.0

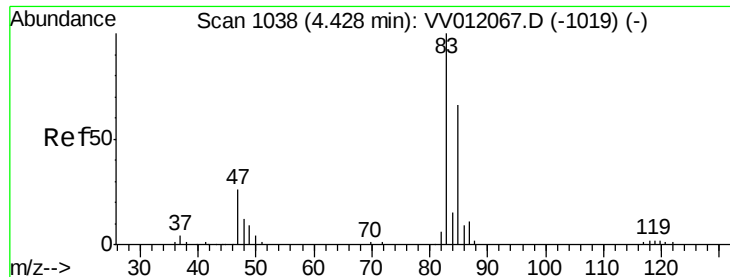


#23

Bromochloromethane
 Concen: 5.593 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 128 Resp: 24379
 Ion Ratio Lower Upper
 128 100
 49 113.1 105.1 195.1
 130 120.6 88.9 165.1
 51 33.5 36.2 54.2#

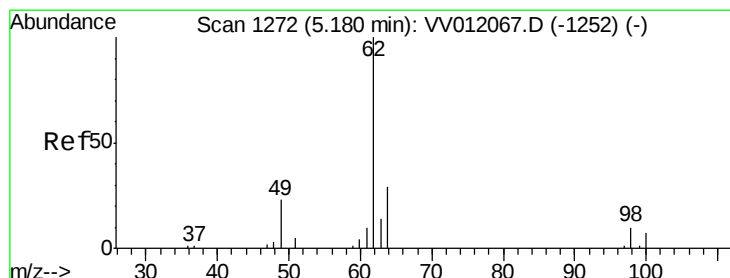
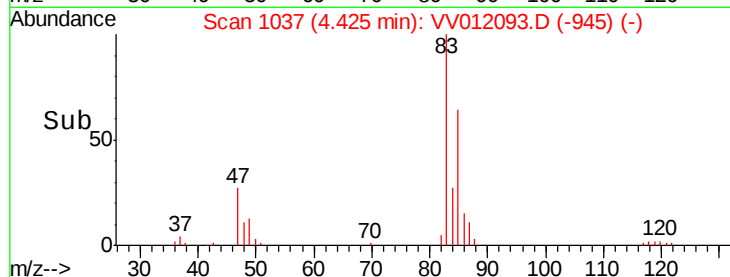
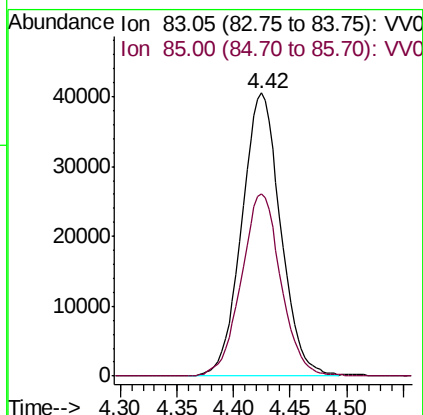
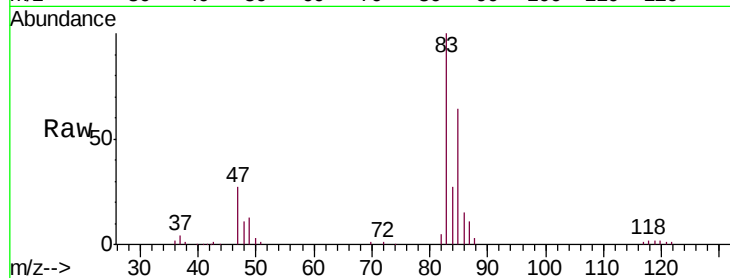




#25
Chloroform
Concen: 4.617 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

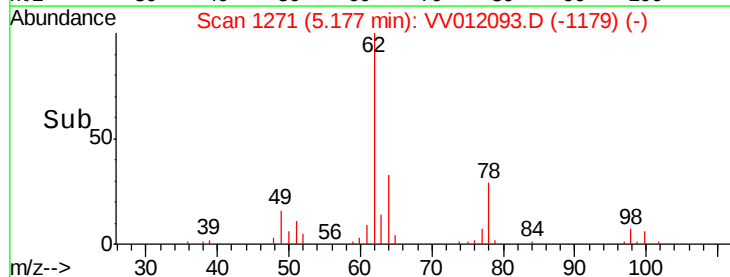
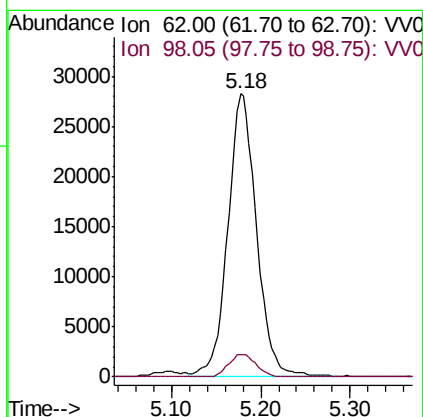
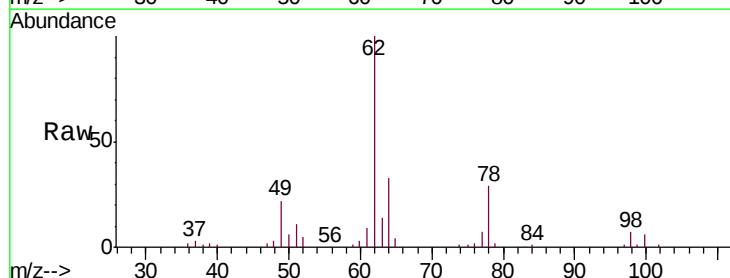
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

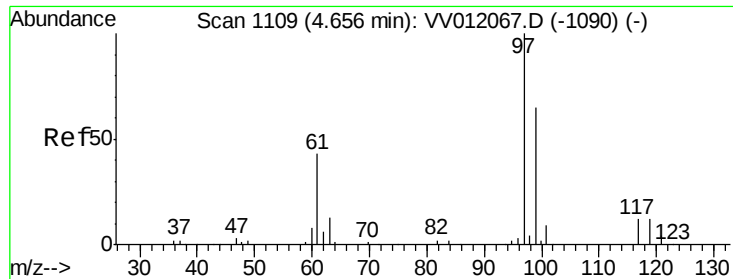
Tgt Ion: 83 Resp: 96624
Ion Ratio Lower Upper
83 100
85 64.5 45.2 84.0



#27
1,2-Dichloroethane
Concen: 5.451 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

Tgt Ion: 62 Resp: 62956
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.6

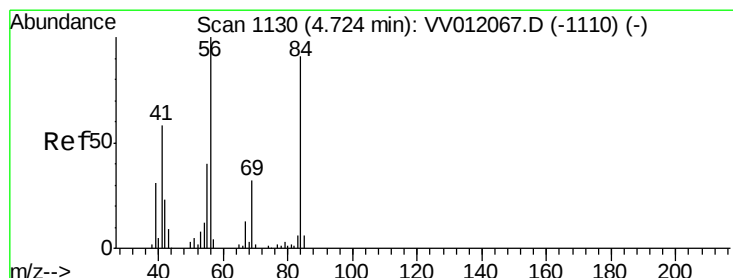
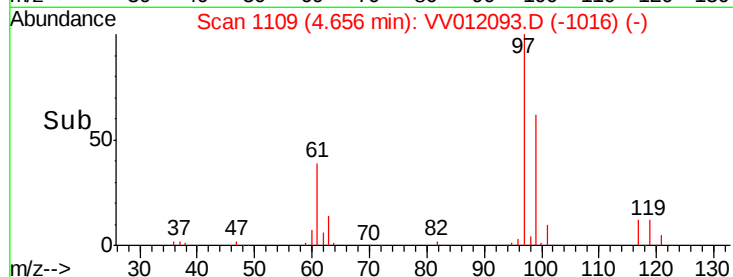
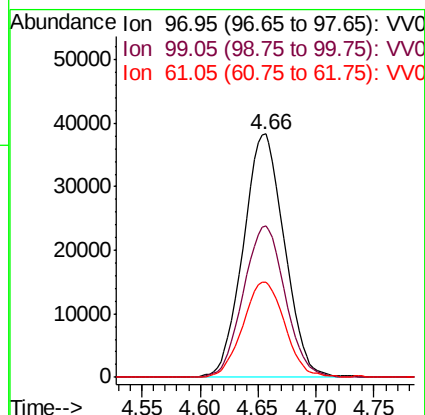
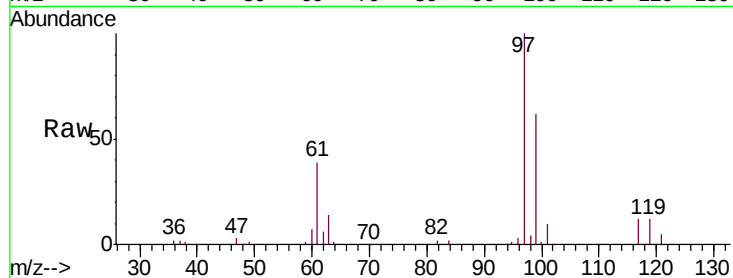




#29
 1,1,1-Trichloroethane
 Concen: 5.629 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

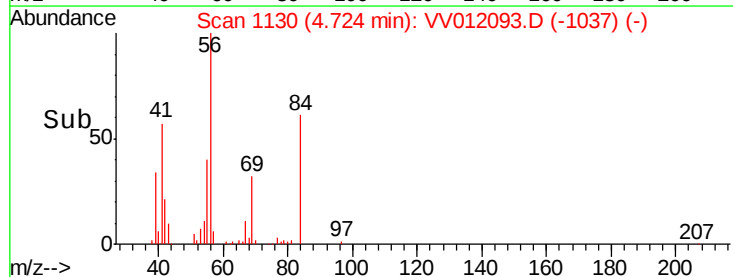
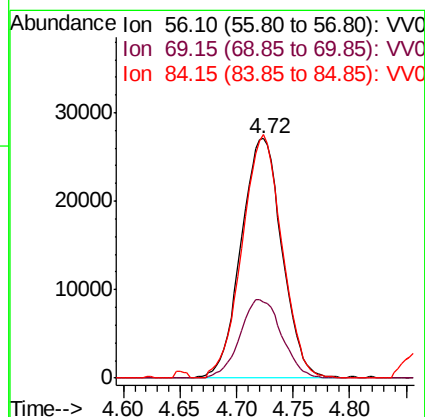
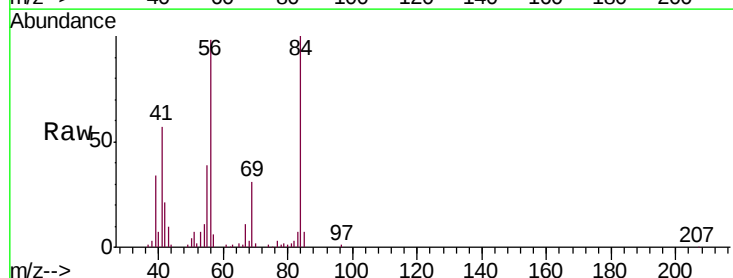
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

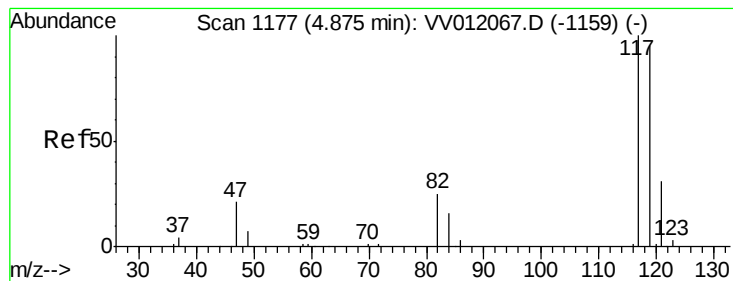
Tgt Ion: 97 Resp: 94586
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.8 77.8
 61 39.9 34.5 51.7



#30
 Cyclohexane
 Concen: 4.739 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 56 Resp: 68108
 Ion Ratio Lower Upper
 56 100
 69 33.3 24.8 37.2
 84 98.8 75.4 113.2





#31

Carbon tetrachloride

Concen: 5.859 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

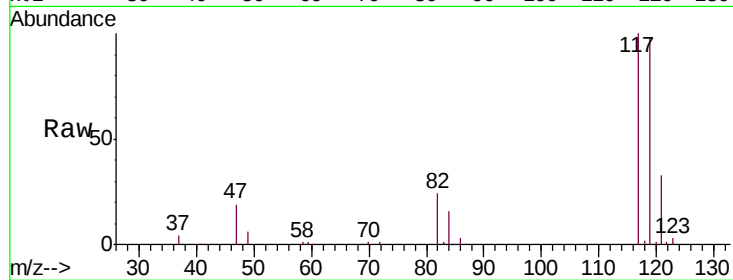
VSTD00557

Tgt Ion:117 Resp: 88583

Ion Ratio Lower Upper

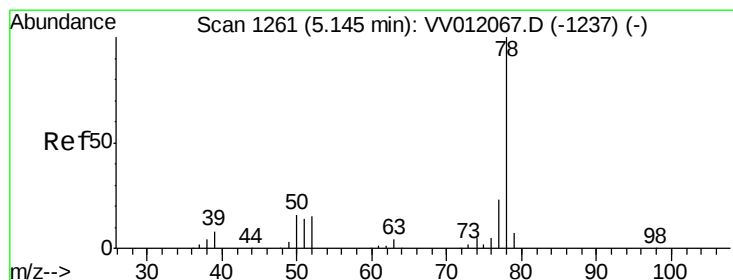
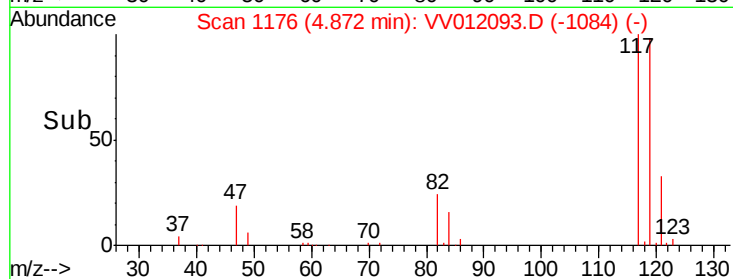
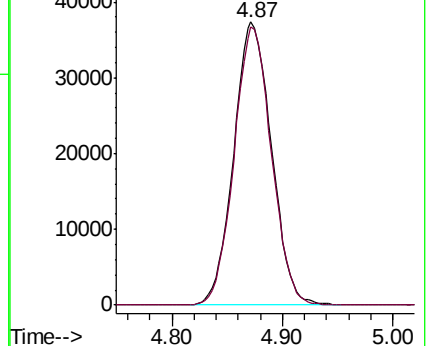
117 100

119 96.9 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.070 ug/L

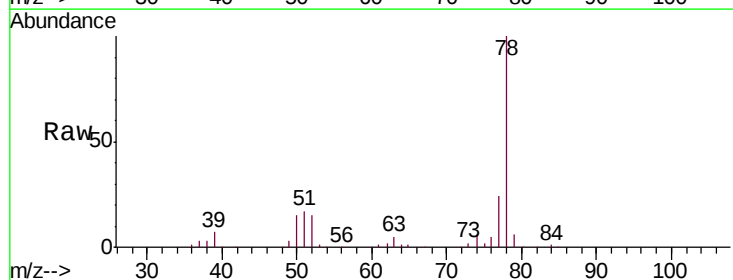
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012093.D

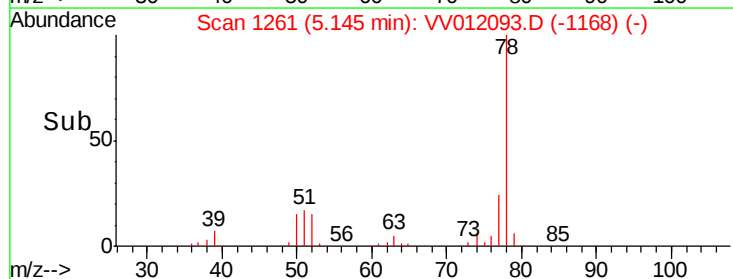
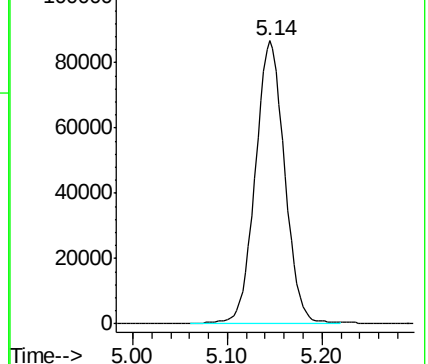
Acq: 02 Aug 2019 09:37

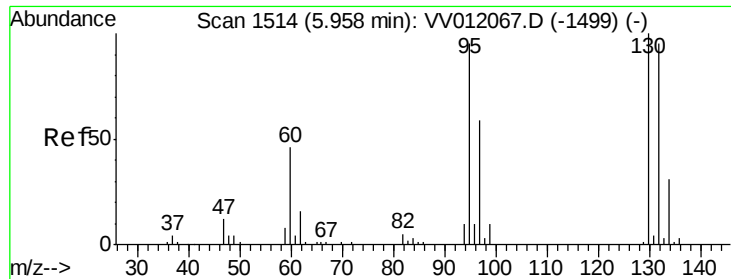
Tgt Ion: 78 Resp: 187185



Abundance Ion 78.10 (77.80 to 78.80): VV0

Ion 80.10 (79.80 to 80.80): VV0

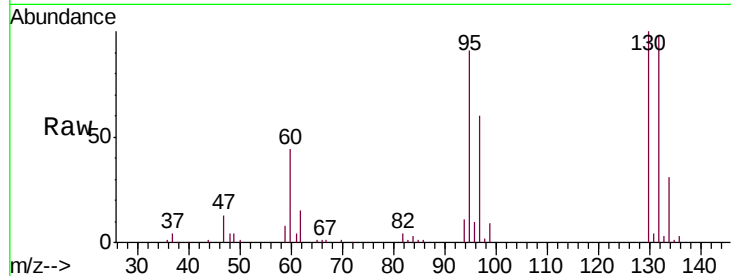




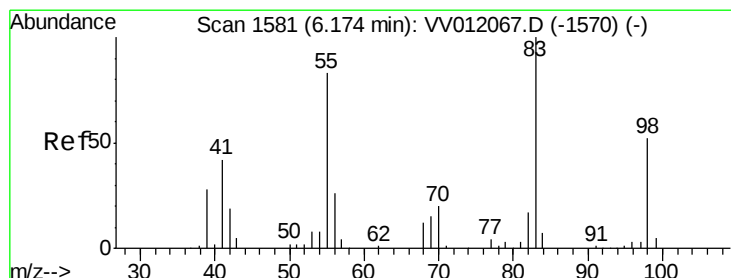
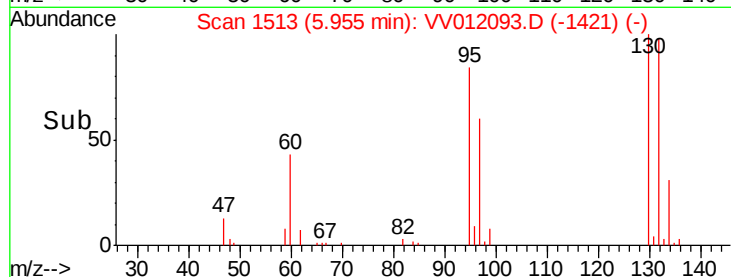
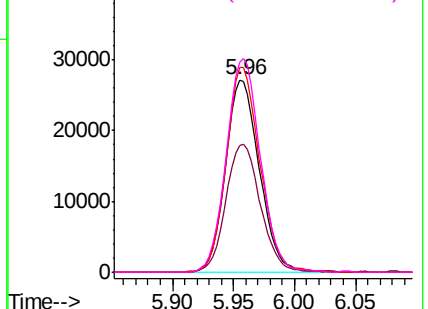
#34
 Trichloroethene
 Concen: 5.000 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion: 95 Resp: 52650
 Ion Ratio Lower Upper
 95 100
 97 66.0 42.8 79.6
 132 106.7 70.8 131.6
 130 109.4 72.3 134.3

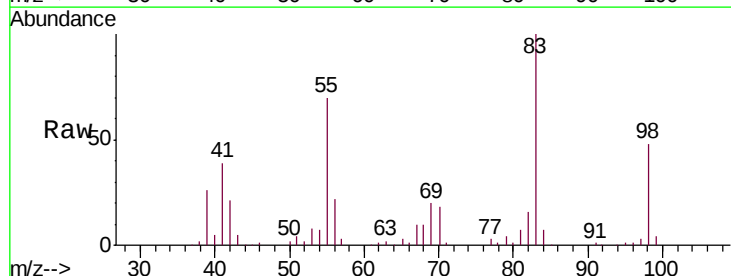


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

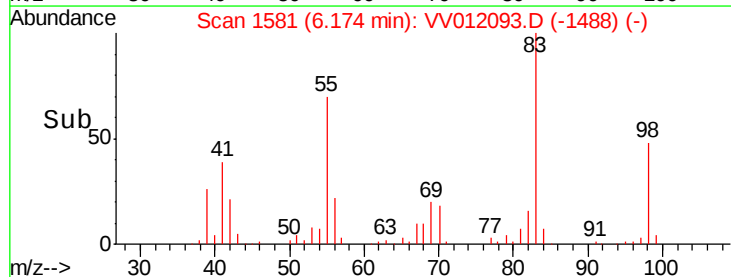
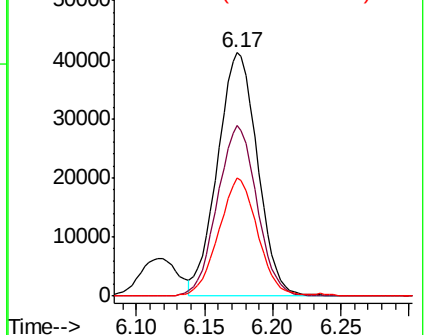


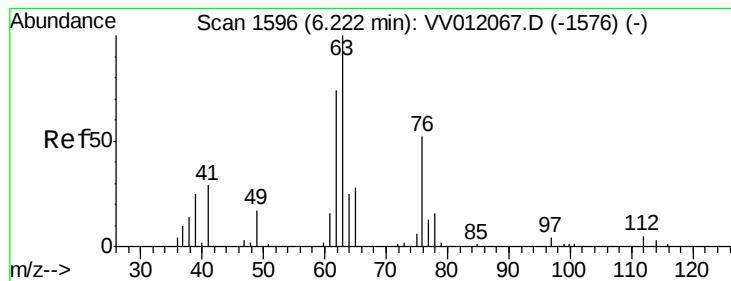
#35
 Methylcyclohexane
 Concen: 5.084 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 83 Resp: 83879
 Ion Ratio Lower Upper
 83 100
 55 69.2 60.1 90.1
 98 47.1 40.2 60.4



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: 5.050 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

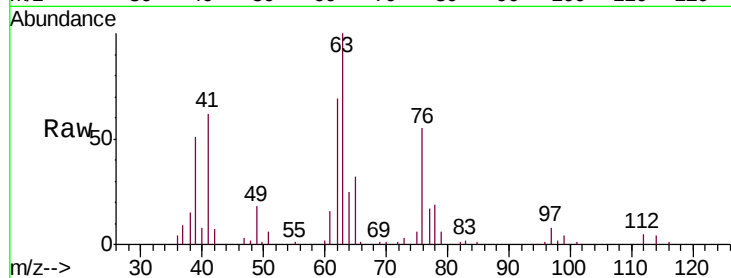
VSTD00557

Tgt Ion: 63 Resp: 43138

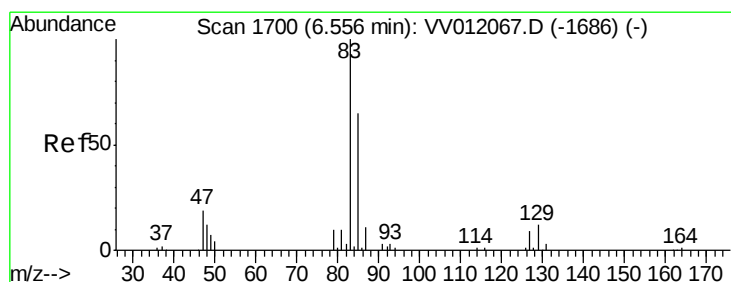
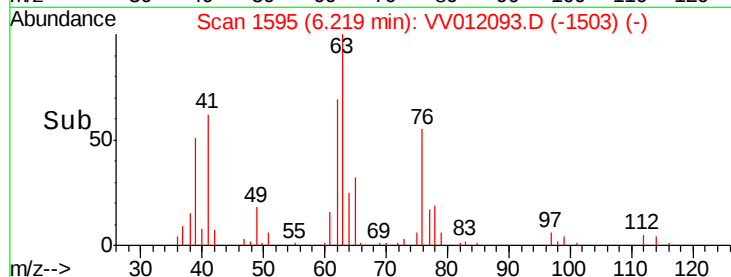
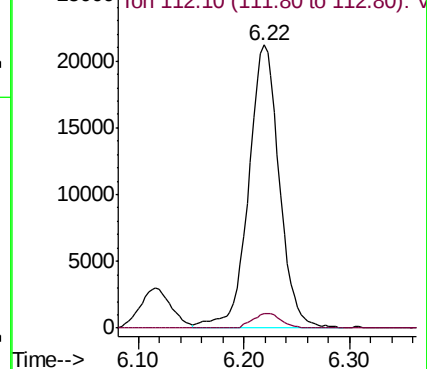
Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV012067.D (-1576) (-)



#38

Bromodichloromethane

Concen: 5.509 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

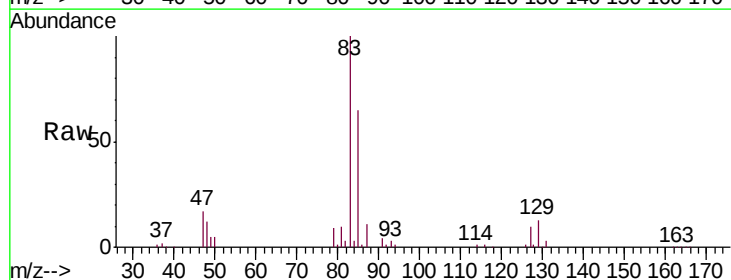
Tgt Ion: 83 Resp: 66442

Ion Ratio Lower Upper

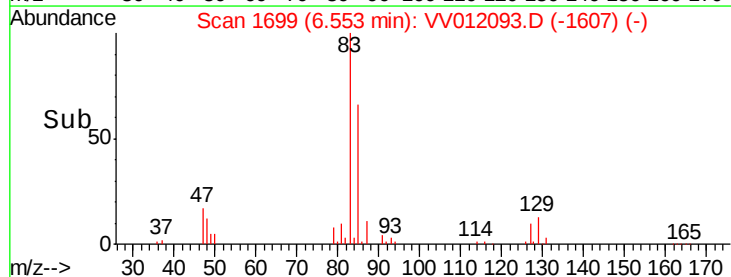
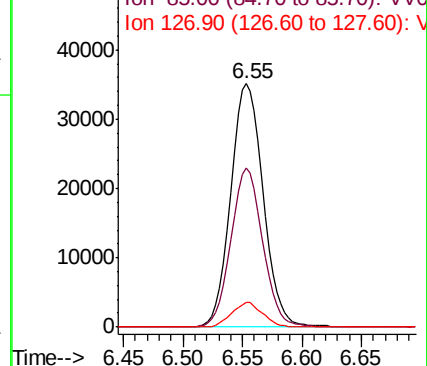
83 100

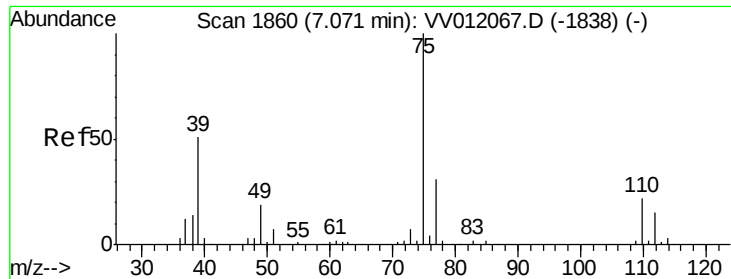
85 65.3 43.9 81.5

127 10.0 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV012067.D (-1686) (-)

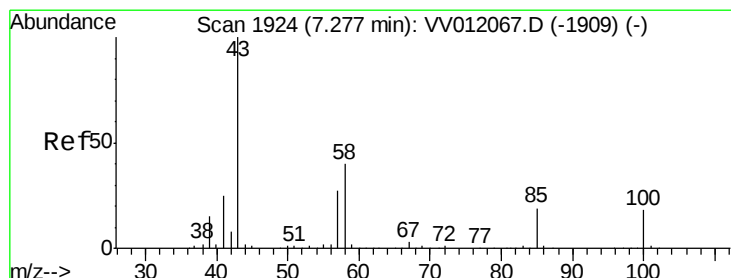
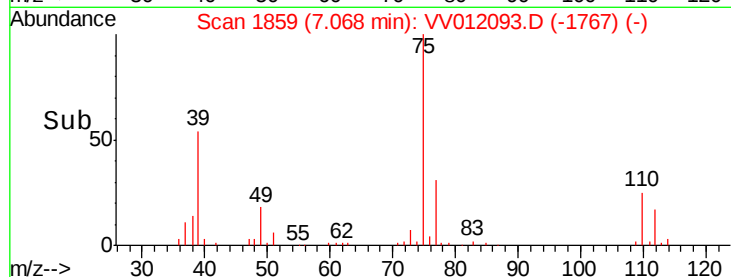
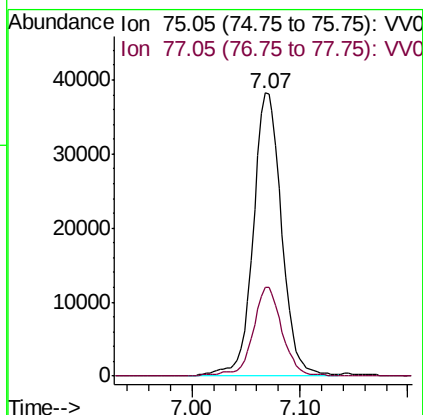
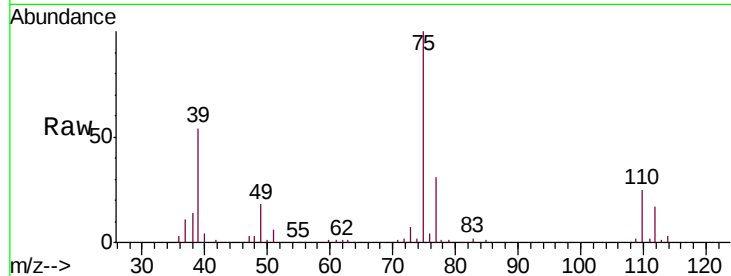




#39
 cis-1,3-Dichloropropene
 Concen: 5.216 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

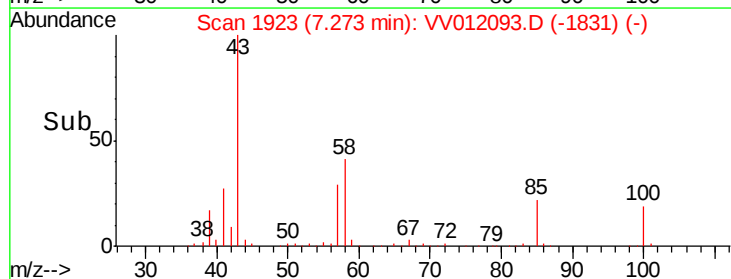
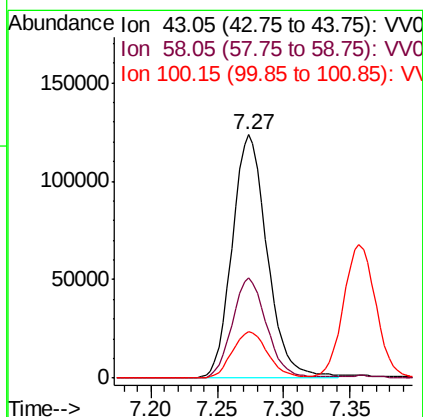
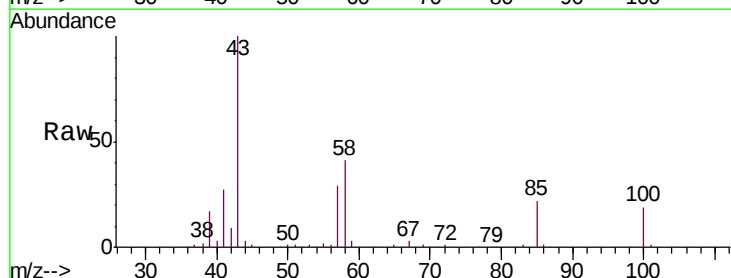
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

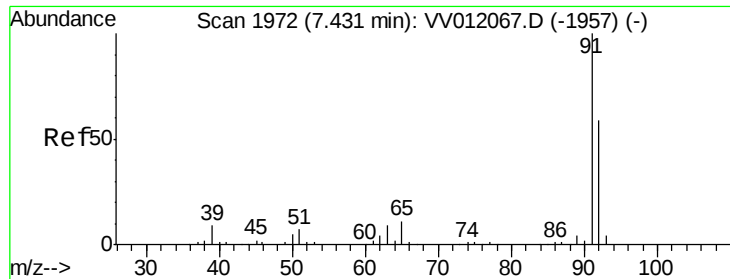
Tgt Ion: 75 Resp: 69859
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 47.261 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 43 Resp: 227721
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.9 47.9
 100 19.3 14.0 21.0





#42

Toluene

Concen: 5.198 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

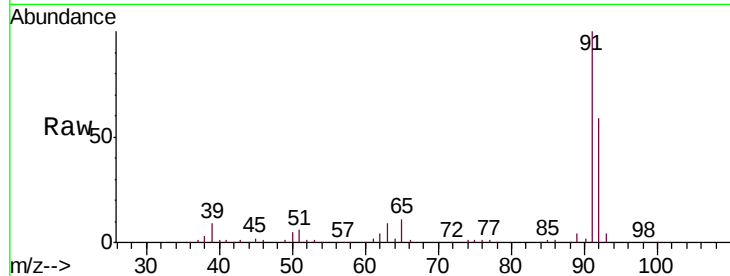
VSTD00557

Tgt Ion: 91 Resp: 213376

Ion Ratio Lower Upper

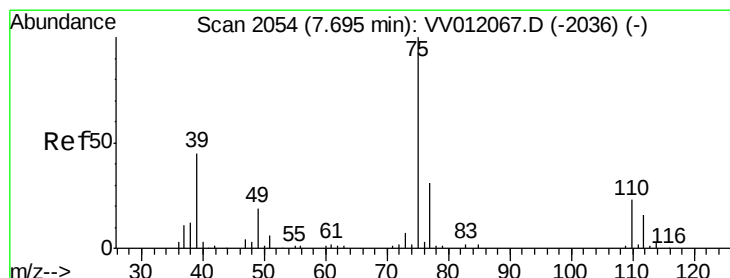
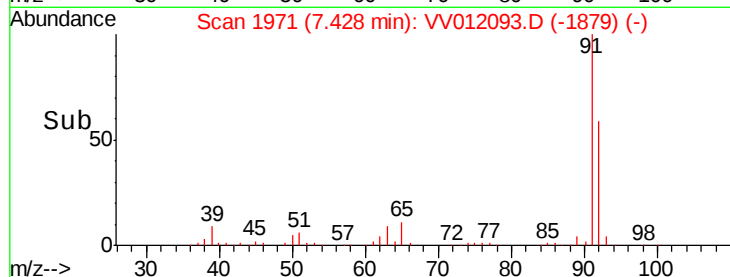
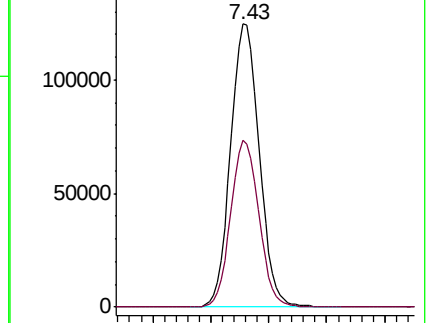
91 100

92 58.8 41.3 76.7



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: 5.343 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012093.D

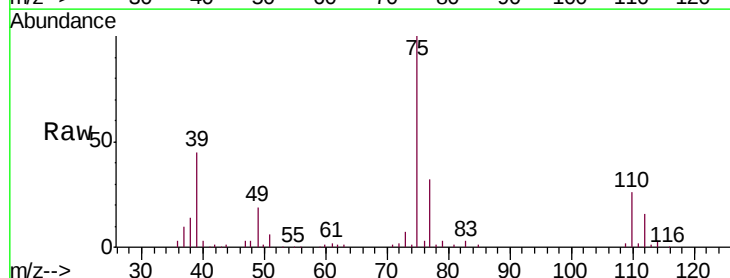
Acq: 02 Aug 2019 09:37

Tgt Ion: 75 Resp: 57858

Ion Ratio Lower Upper

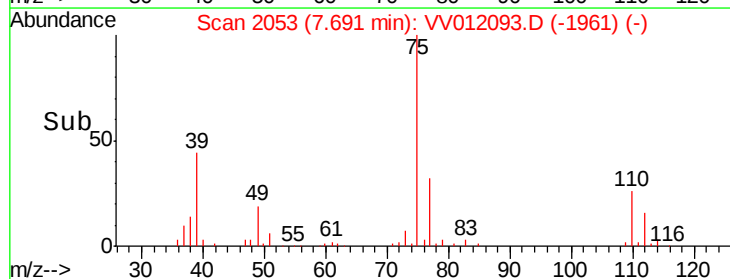
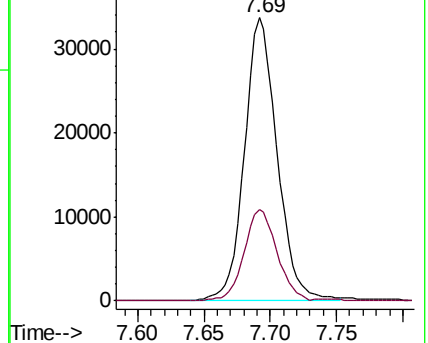
75 100

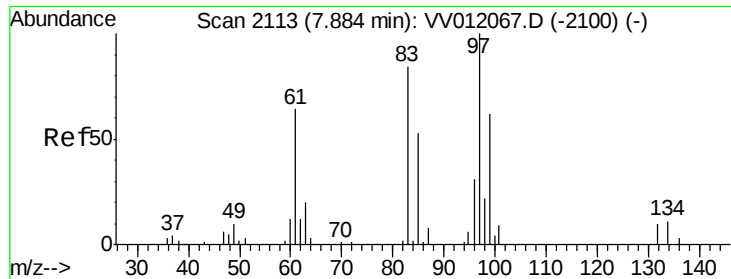
77 32.3 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

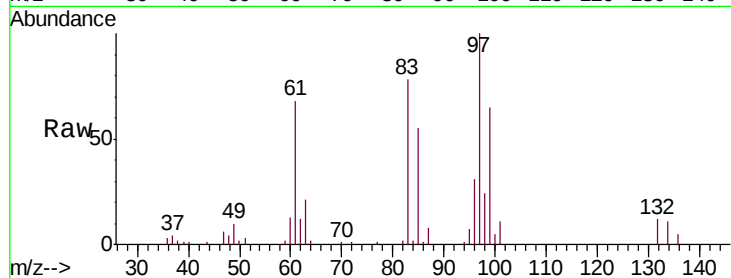




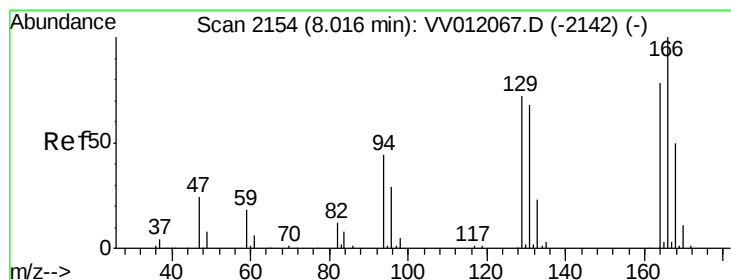
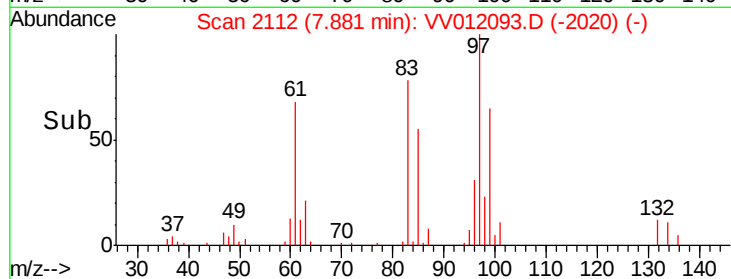
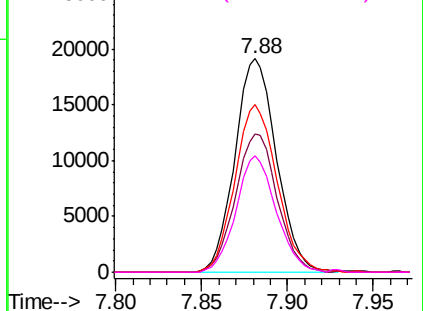
#45
 1,1,2-Trichloroethane
 Concen: 4.931 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion:	97	Resp:	32123
Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.0	78.0
83	78.4	57.6	107.0
85	54.7	34.6	64.2

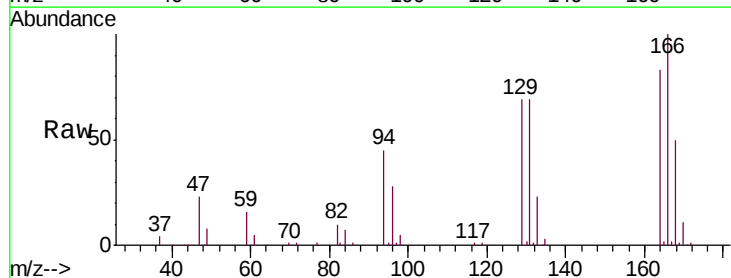


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

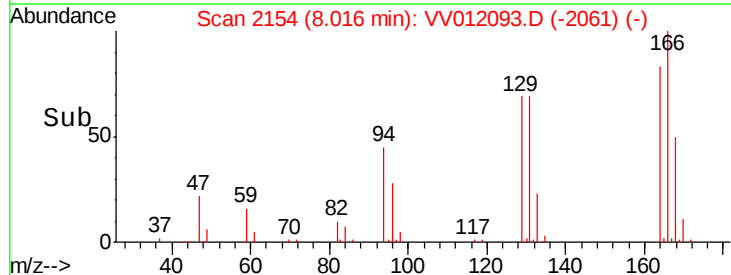
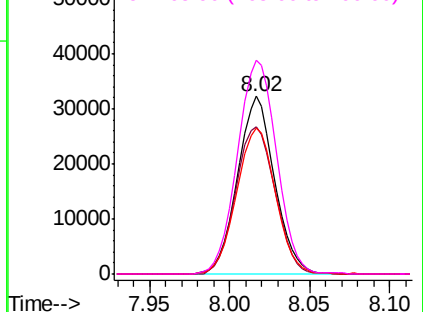


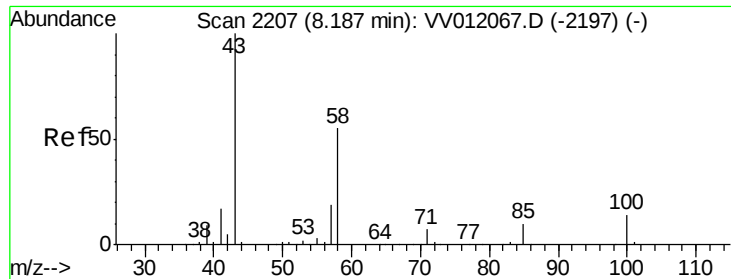
#47
 Tetrachloroethene
 Concen: 5.531 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion:	164	Resp:	50895
Ion	Ratio	Lower	Upper
164	100		
129	83.0	61.9	114.9
131	82.4	59.4	110.4
166	120.3	89.6	166.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

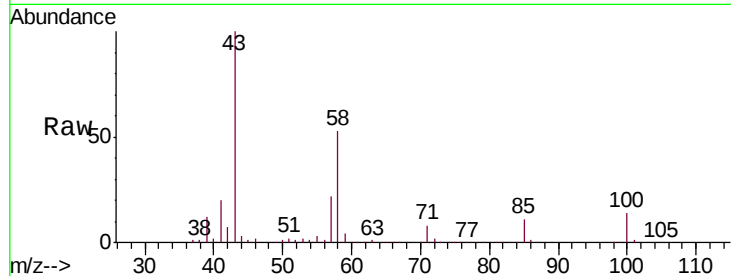




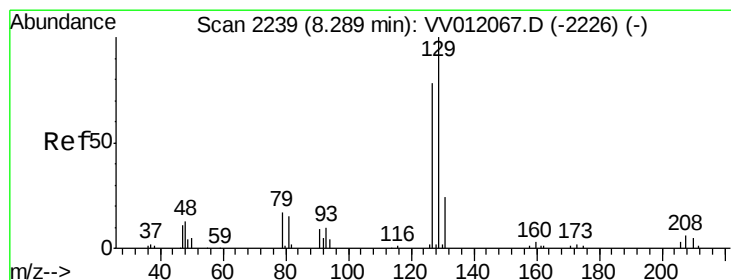
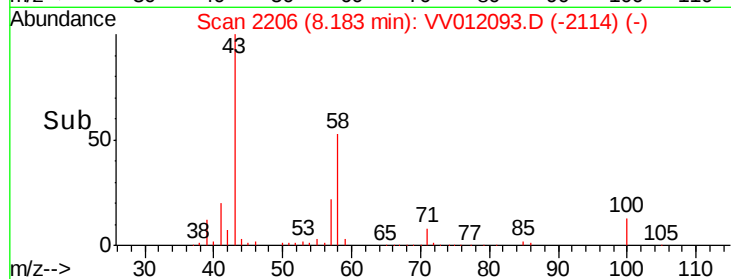
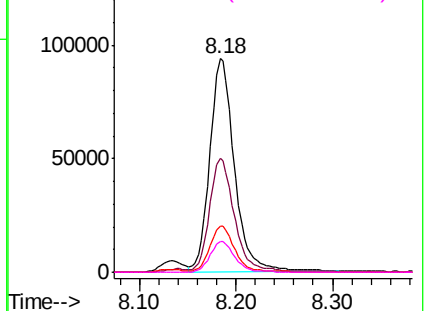
#48
2-Hexanone
Concen: 48.807 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tgt Ion: 43 Resp: 166201
Ion Ratio Lower Upper
43 100
58 52.6 44.1 66.1
57 21.7 16.1 24.1
100 14.3 11.3 16.9

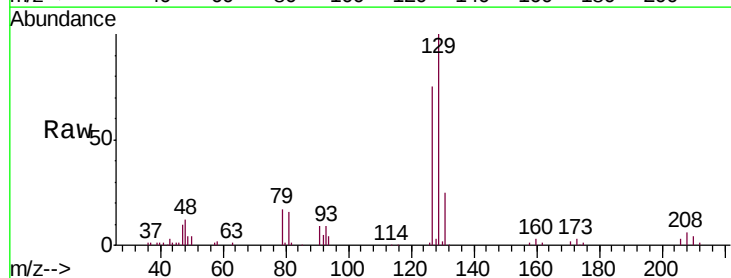


Abundance Ion 43.05 (42.75 to 43.75): VV012067.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV012067.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV012067.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV012067.D (-2197) (-)

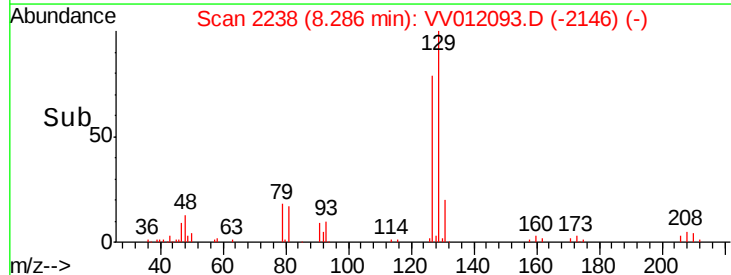
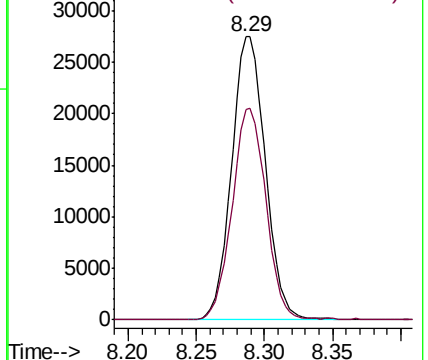


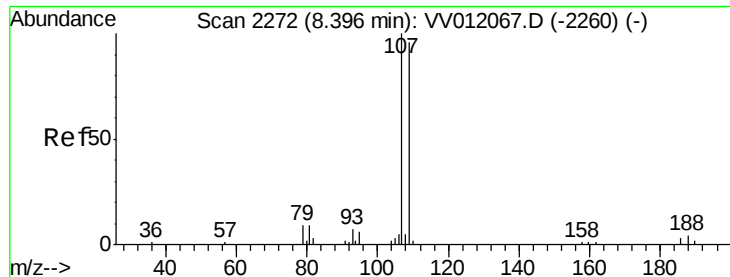
#49
Dibromochloromethane
Concen: 5.910 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

Tgt Ion: 129 Resp: 47201
Ion Ratio Lower Upper
129 100
127 74.5 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV012067.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV012067.D (-2226) (-)

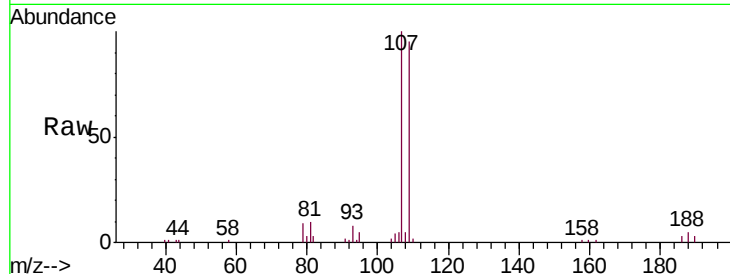




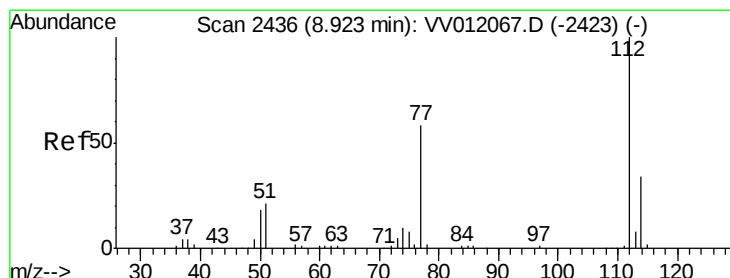
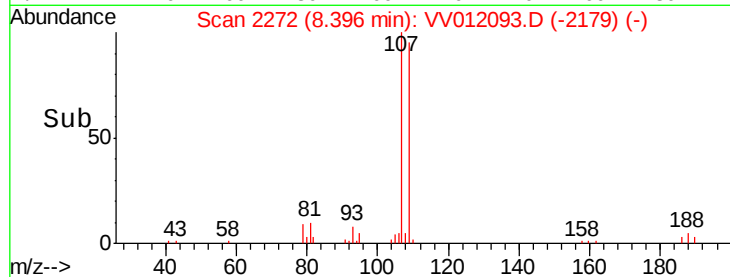
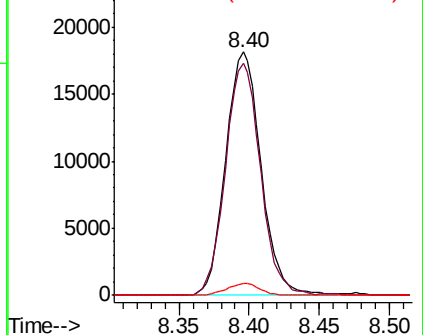
#50
1,2-Dibromoethane
Concen: 5.234 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tgt Ion:107 Resp: 31867
Ion Ratio Lower Upper
107 100
109 95.1 66.3 123.1
188 4.9 3.4 5.0

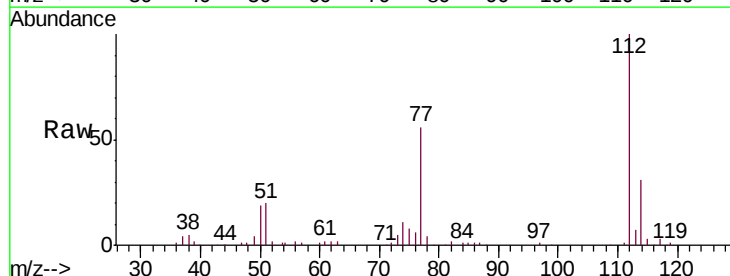


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

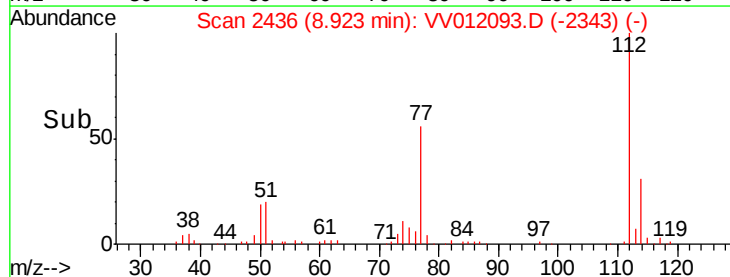
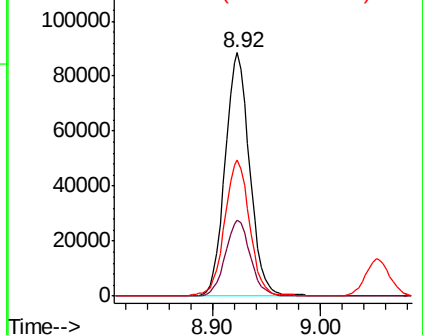


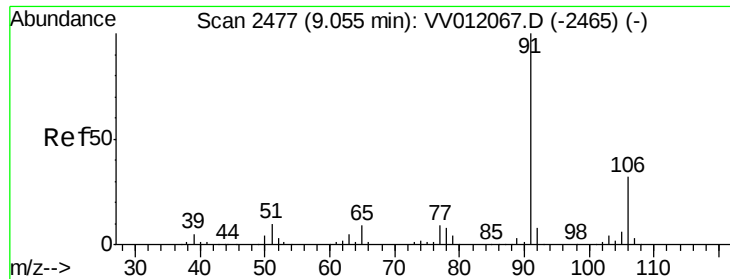
#51
Chlorobenzene
Concen: 5.116 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

Tgt Ion:112 Resp: 140426
Ion Ratio Lower Upper
112 100
114 31.4 22.1 41.1
77 55.7 45.9 68.9



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





#52

Ethylbenzene

Concen: 5.164 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

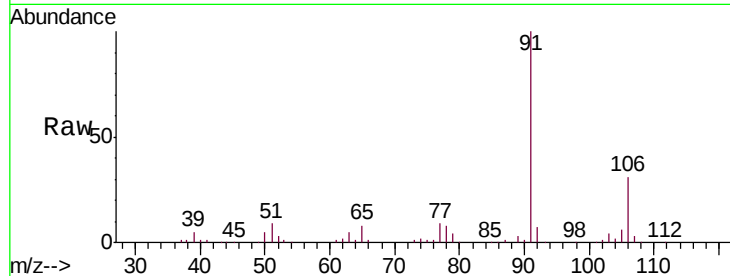
VSTD00557

Tgt Ion: 91 Resp: 241920

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012067.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV012067.D (-2465) (-)

9.05

150000

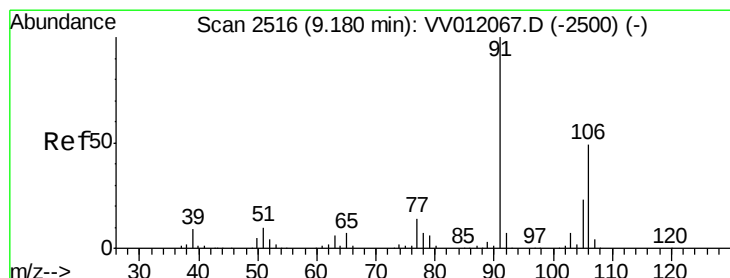
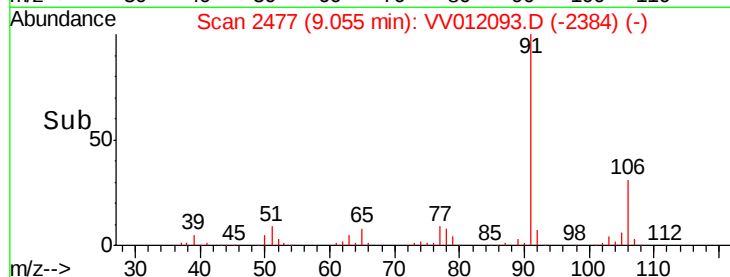
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.302 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012093.D

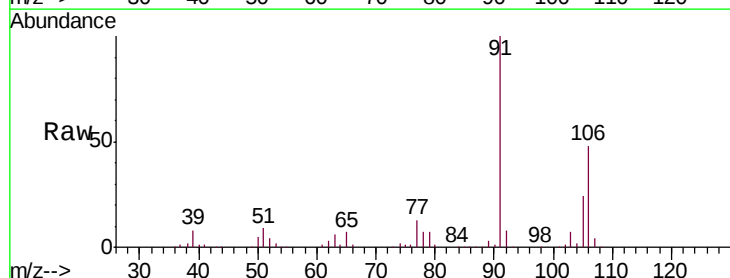
Acq: 02 Aug 2019 09:37

Tgt Ion: 106 Resp: 94551

Ion Ratio Lower Upper

106 100

91 210.1 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012067.D (-2500) (-)

Ion 91.15 (90.85 to 91.85): VV012067.D (-2500) (-)

9.18

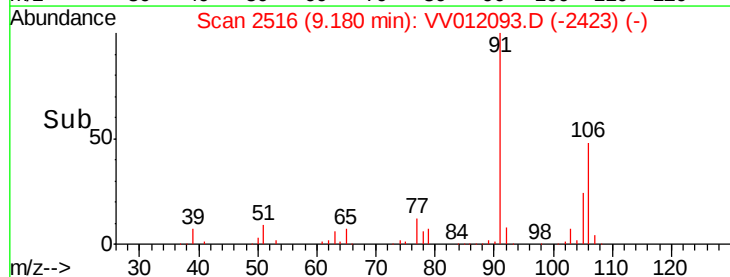
100000

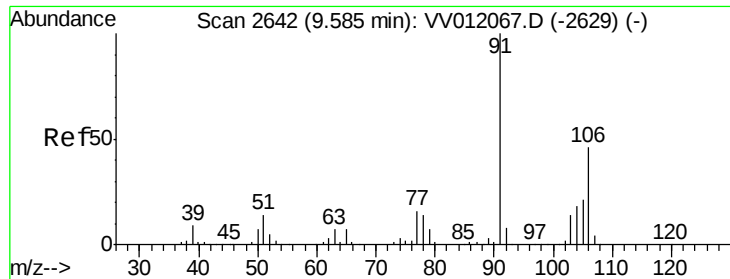
50000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 5.340 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

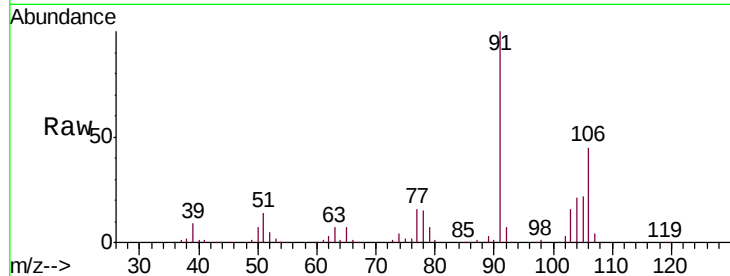
VSTD00557

Tgt Ion:106 Resp: 90128

Ion Ratio Lower Upper

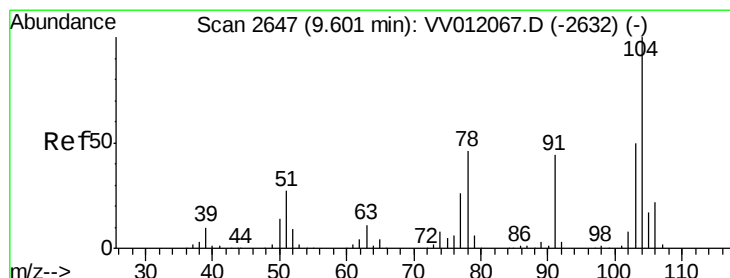
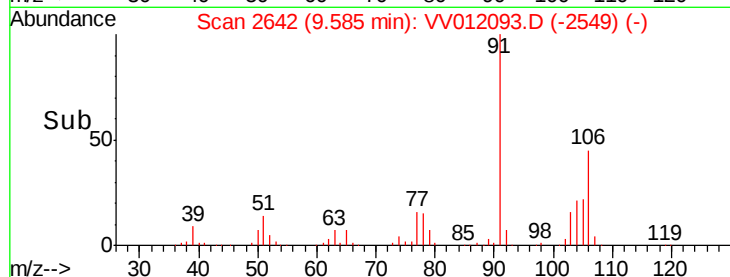
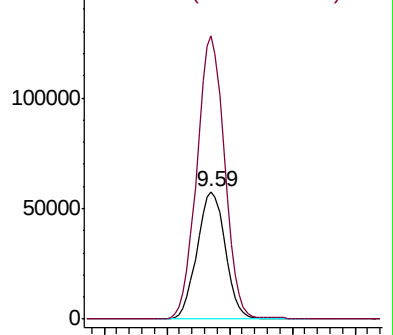
106 100

91 221.5 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.356 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012093.D

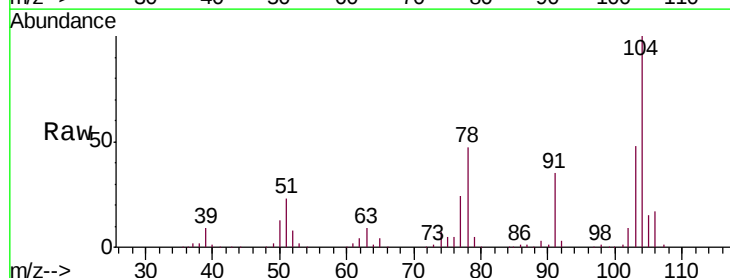
Acq: 02 Aug 2019 09:37

Tgt Ion:104 Resp: 152304

Ion Ratio Lower Upper

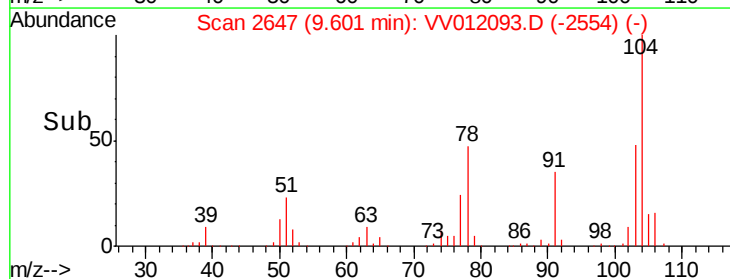
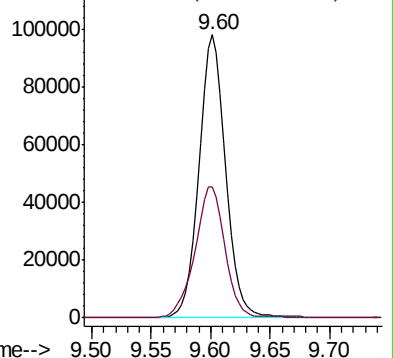
104 100

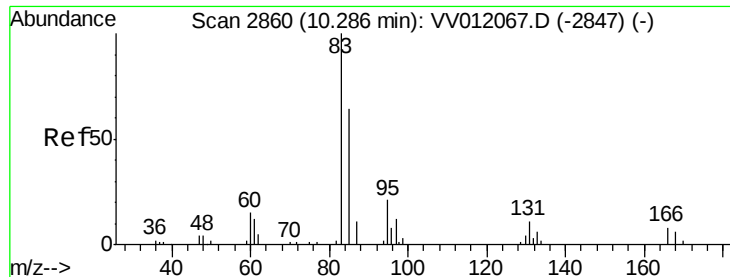
78 46.5 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

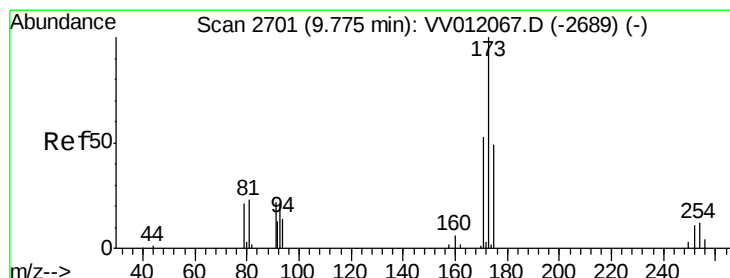
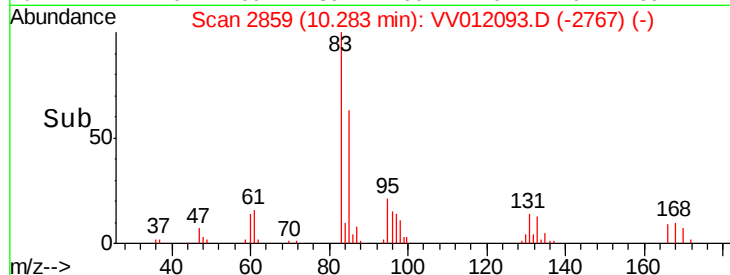
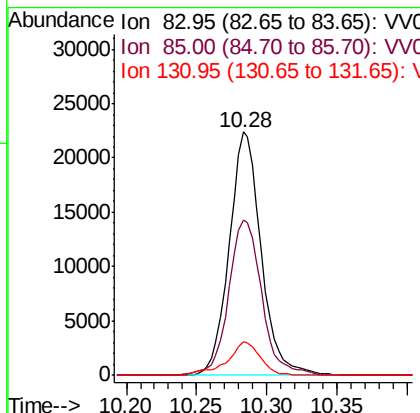
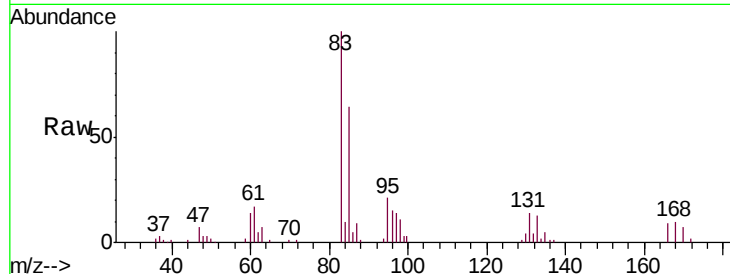




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.075 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

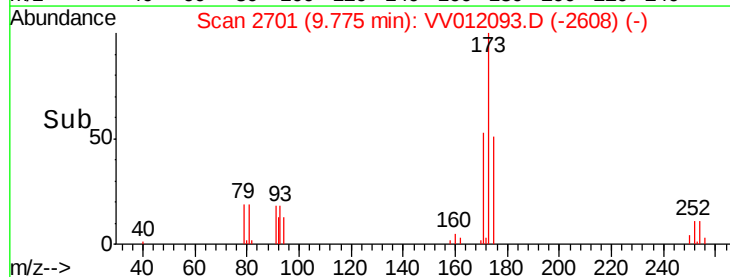
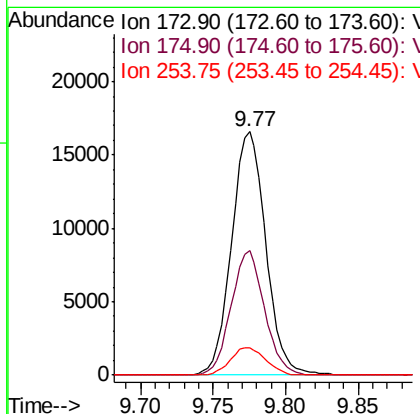
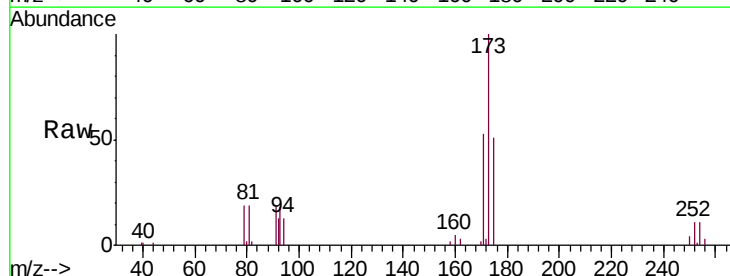
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

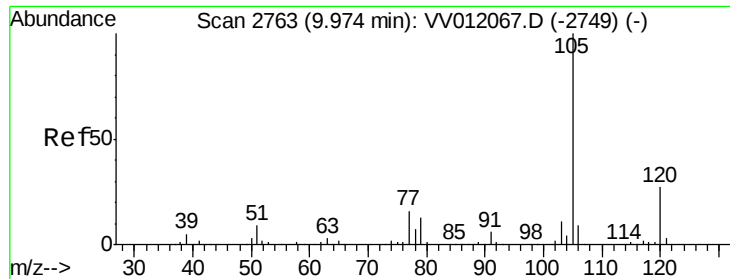
Tgt Ion: 83 Resp: 35480
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.0 81.6
 131 13.6 8.3 12.5#



#59
 Bromoform
 Concen: 5.984 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 173 Resp: 27178
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.3 57.5
 254 11.5 8.6 13.0





#60

Isopropylbenzene

Concen: 5.256 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

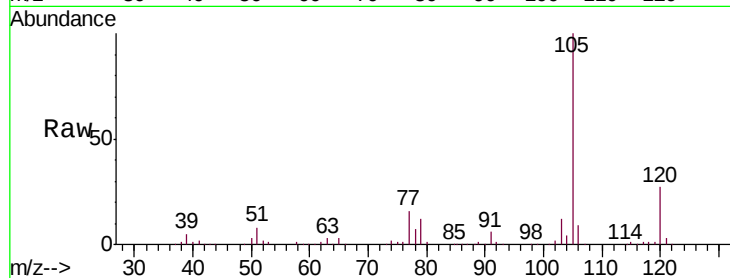
Tgt Ion: 105 Resp: 252275

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

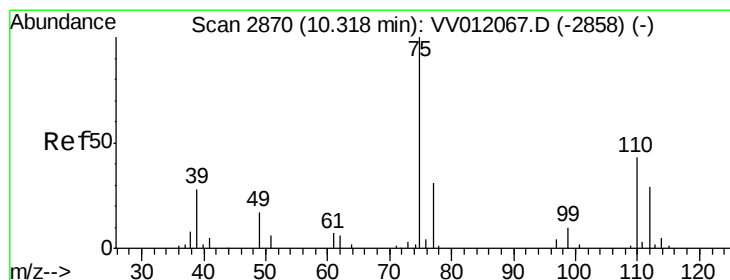
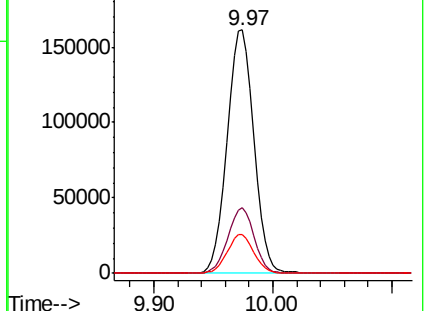
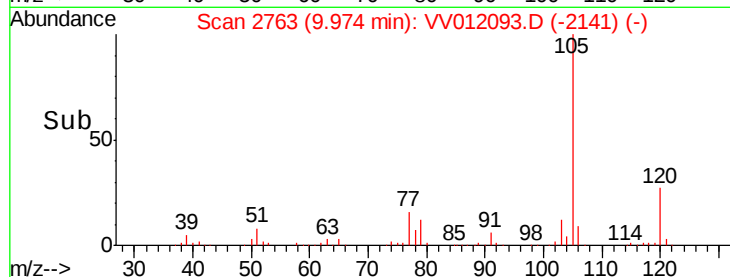
77 15.8 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): VV012067.D (-2749) (-)

Ion 120.00 (119.70 to 120.70): VV012067.D (-2749) (-)

Ion 77.00 (76.70 to 77.70): VV012067.D (-2749) (-)



#61

1,2,3-Trichloropropane

Concen: 4.779 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

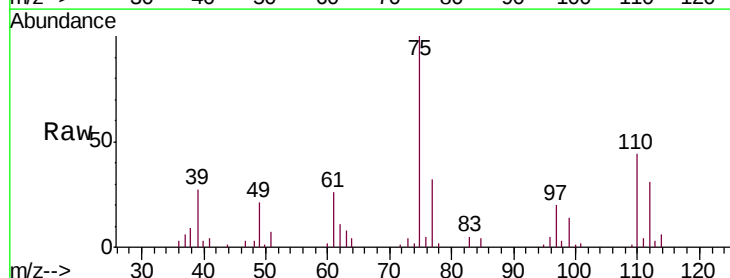
Tgt Ion: 75 Resp: 26170

Ion Ratio Lower Upper

75 100

77 33.0 26.8 40.2

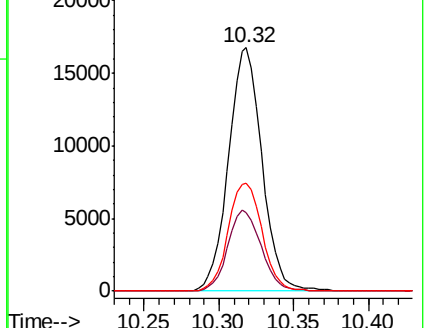
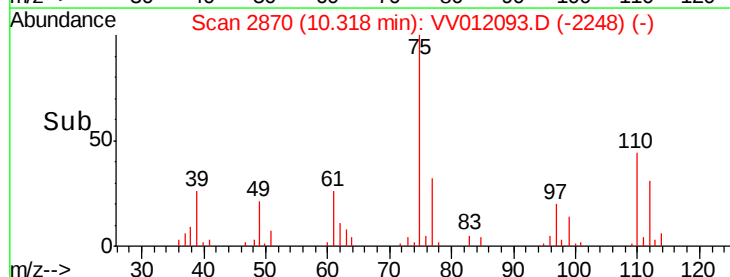
110 45.1 35.0 52.6

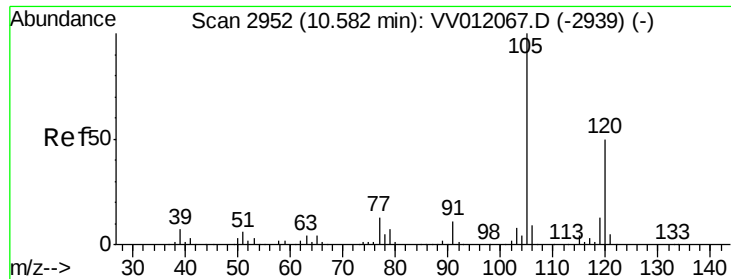


Abundance Ion 75.00 (74.70 to 75.70): VV012067.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012067.D (-2858) (-)

Ion 110.00 (109.70 to 110.70): VV012067.D (-2858) (-)





#62

1,3,5-Trimethylbenzene

Concen: 5.495 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV012093.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

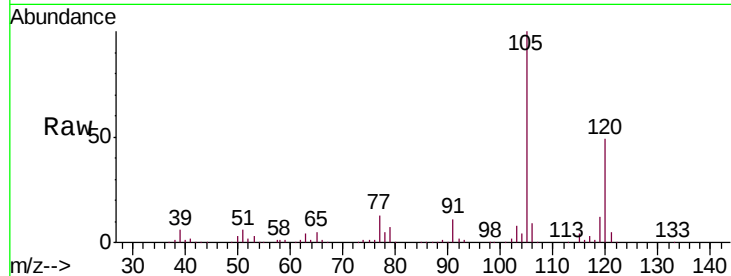
VSTD00557

Tgt Ion:105 Resp: 217788

Ion Ratio Lower Upper

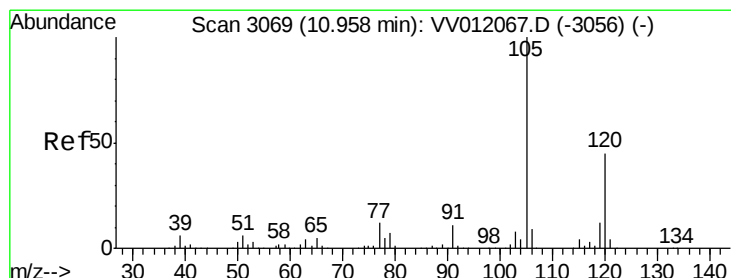
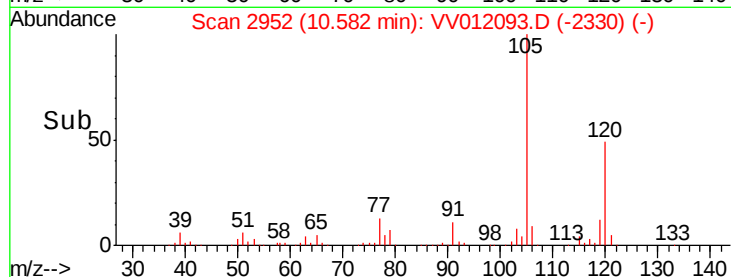
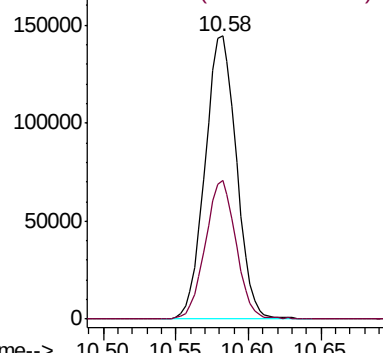
105 100

120 47.8 40.1 60.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.476 ug/L

RT: 10.96 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VV012093.D

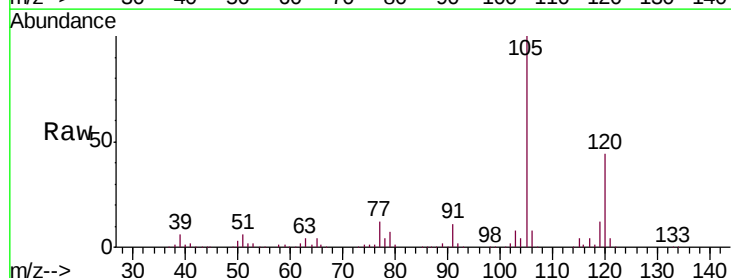
Acq: 02 Aug 2019 09:37

Tgt Ion:105 Resp: 215667

Ion Ratio Lower Upper

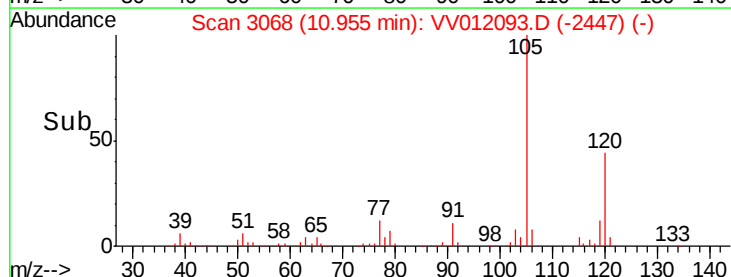
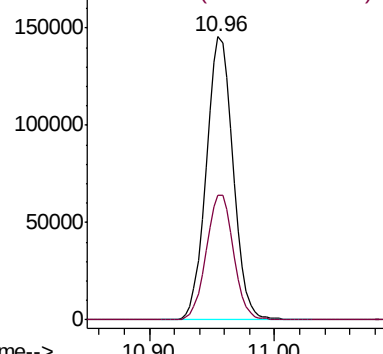
105 100

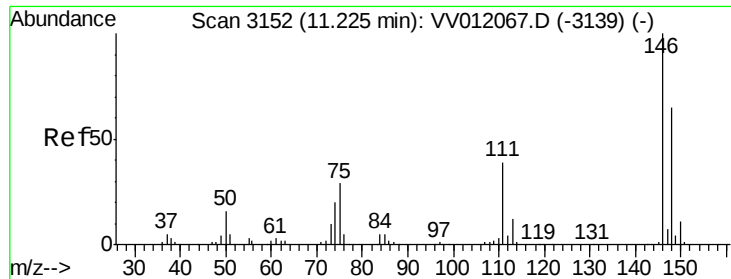
120 44.8 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

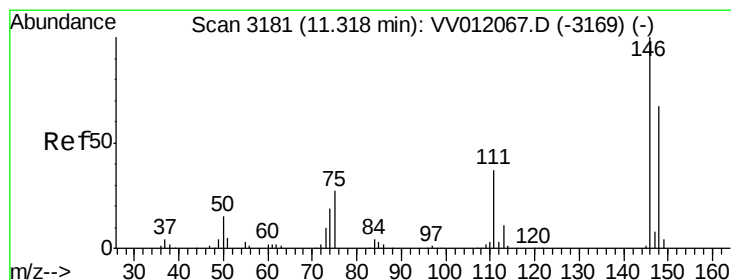
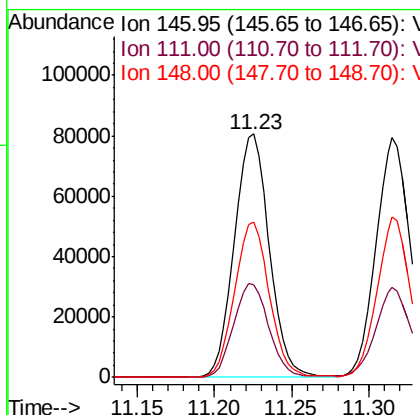
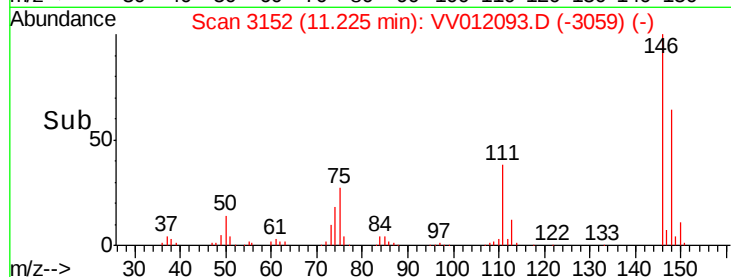
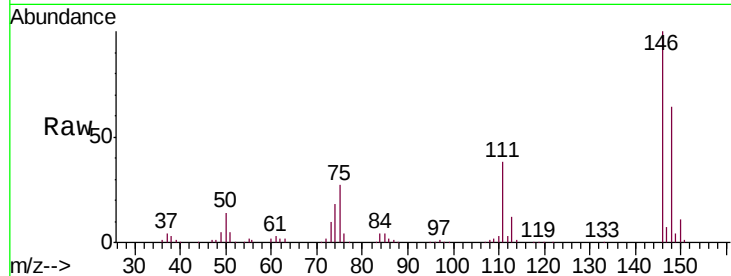




#64
 1,3-Dichlorobenzene
 Concen: 5.302 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

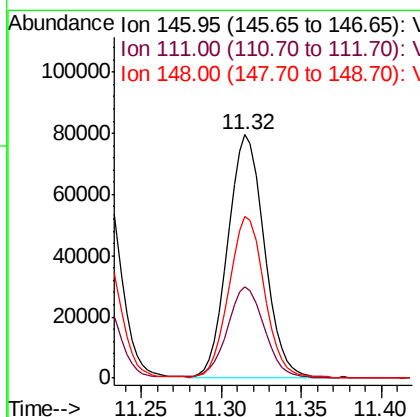
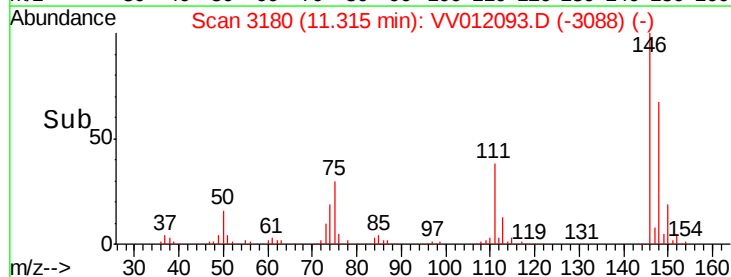
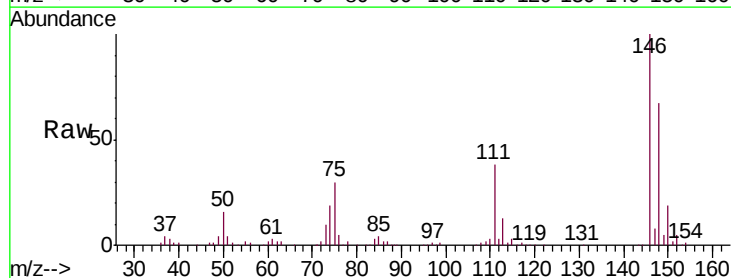
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00557

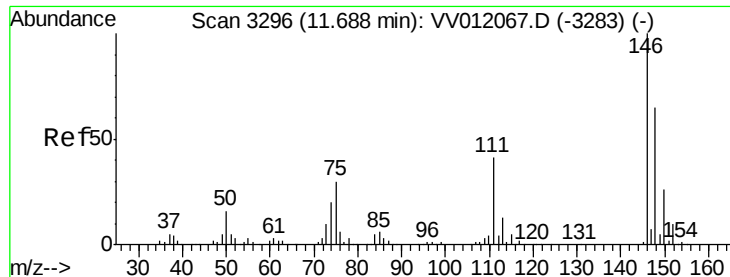
Tgt Ion:146 Resp: 126832
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.2 50.6
 148 63.6 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 5.041 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion:146 Resp: 122876
 Ion Ratio Lower Upper
 146 100
 111 37.7 25.8 48.0
 148 66.5 43.8 81.3

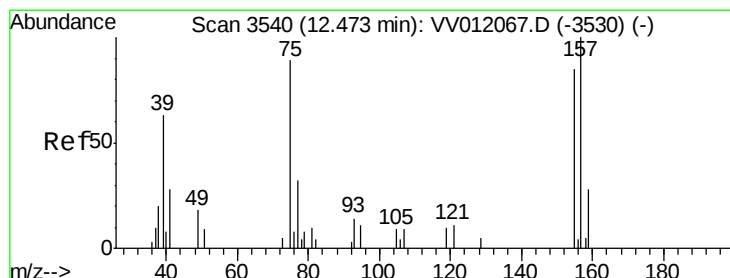
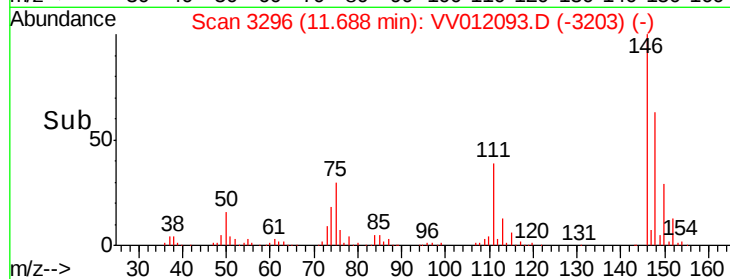
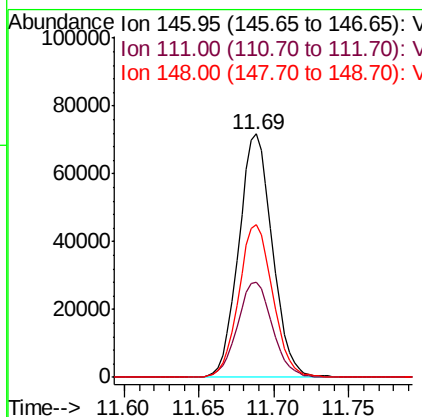
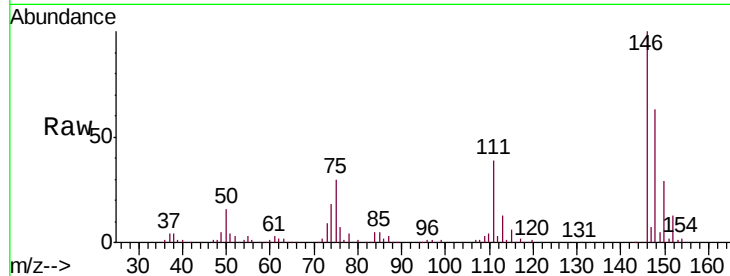




#67
 1,2-Dichlorobenzene
 Concen: 5.179 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

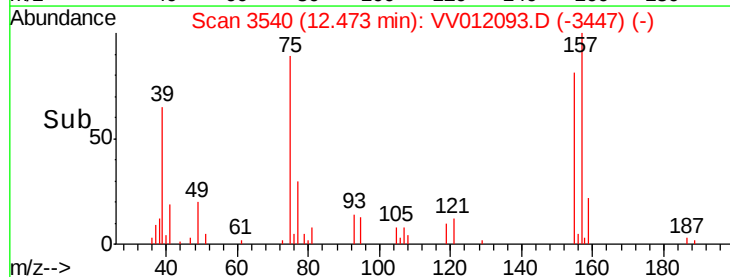
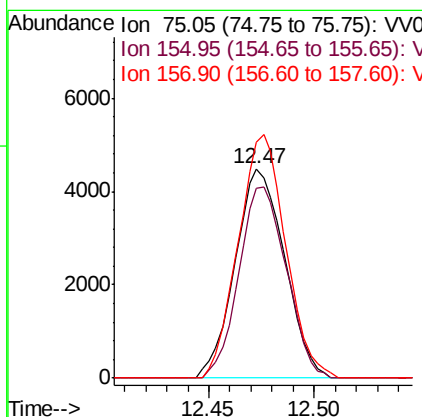
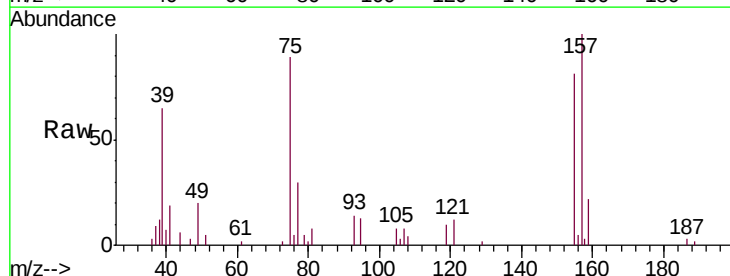
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

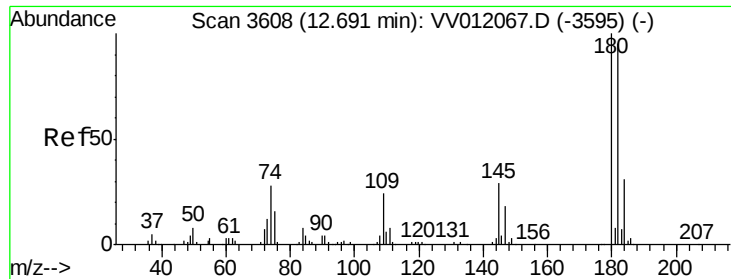
Tgt Ion: 146 Resp: 112582
 Ion Ratio Lower Upper
 146 100
 111 39.2 32.4 48.6
 148 62.5 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 6.460 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 75 Resp: 7294
 Ion Ratio Lower Upper
 75 100
 155 91.0 75.0 112.6
 157 112.6 87.8 131.6

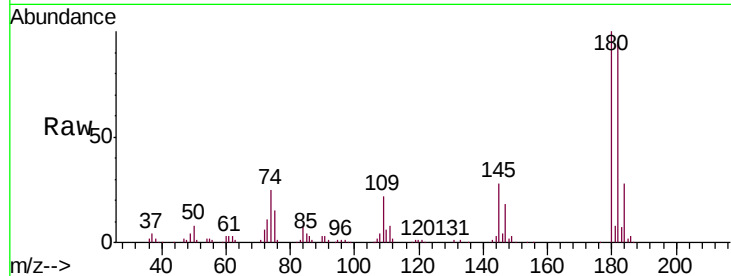




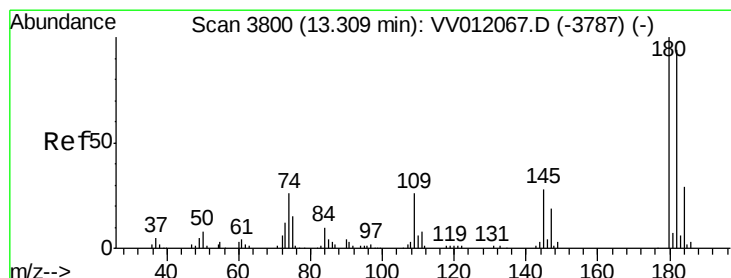
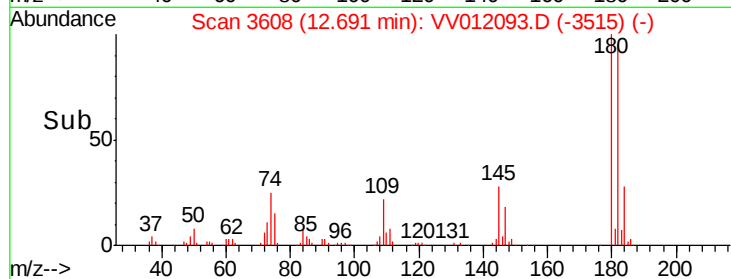
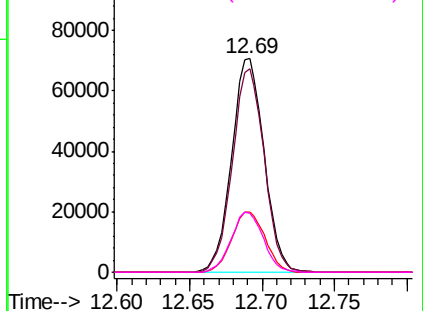
#69
 1,3,5-Trichlorobenzene
 Concen: 5.532 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion:	180	Resp:	109397
Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.1	115.7
184	29.0	24.6	36.8
145	28.0	22.8	34.2

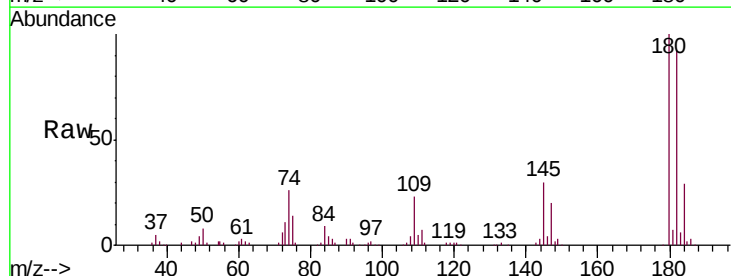


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

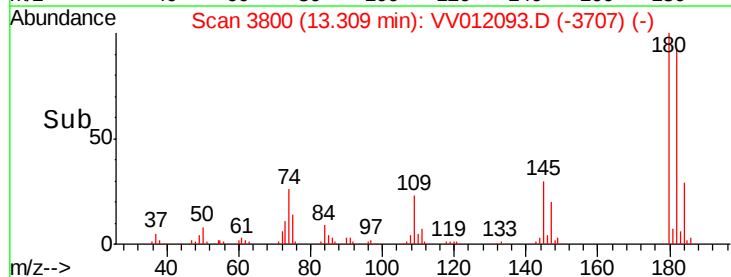
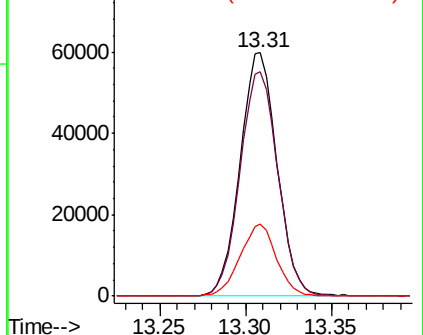


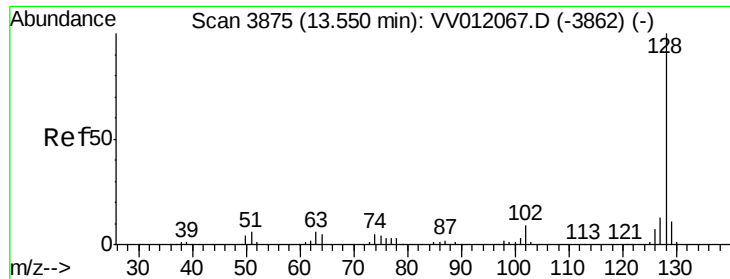
#70
 1,2,4-trichlorobenzene
 Concen: 5.727 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012093.D
 Acq: 02 Aug 2019 09:37

Tgt Ion:	180	Resp:	89633
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
145	29.1	24.3	36.5



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

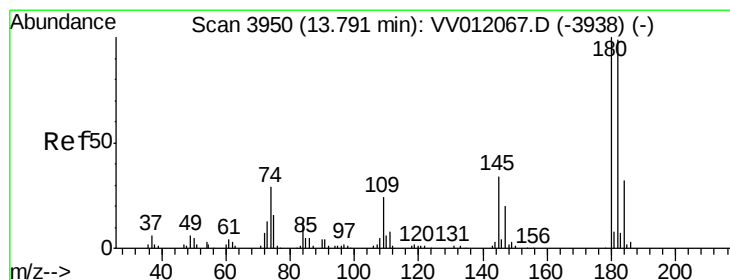
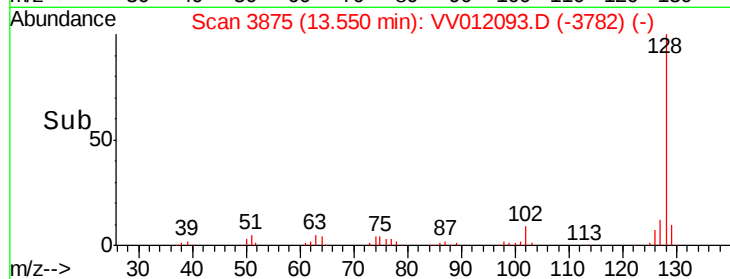
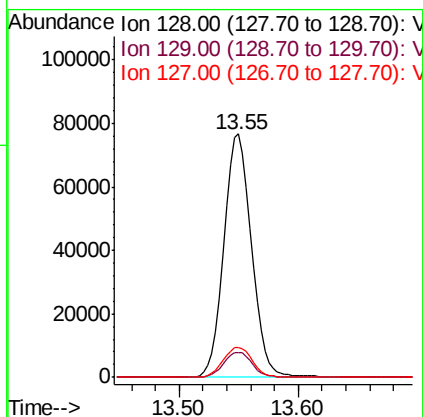
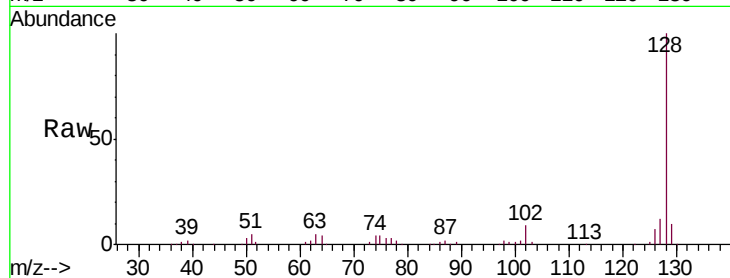




#71
Naphthalene
Concen: 5.685 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tgt Ion:128 Resp: 123451
Ion Ratio Lower Upper
128 100
129 10.6 9.1 13.7
127 13.2 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.707 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012093.D
Acq: 02 Aug 2019 09:37

Tgt Ion:180 Resp: 79164
Ion Ratio Lower Upper
180 100
182 96.7 78.5 117.7
145 30.9 25.8 38.8

