

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080919\
 Data File : VV012154.D
 Acq On : 09 Aug 2019 15:36
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Quant Time: Aug 10 02:33:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 10 02:29:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	129860	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	121453	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	68826	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32488	5.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.60%
7) Chloroethane-d5	1.58	69	24580	6.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.20%
11) 1,1-Dichloroethene-d2	2.13	63	65037	5.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	116.40%
20) 2-Butanone-d5	3.95	46	84959	59.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.12%
24) Chloroform-d	4.40	84	92810	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.80%
26) 1,2-Dichloroethane-d4	5.08	65	46325	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.09	84	179553	6.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.20%
36) 1,2-Dichloropropane-d6	6.12	67	46085	5.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.80%
41) Toluene-d8	7.36	98	176005	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
43) trans-1,3-Dichloropropene-	7.66	79	22546	5.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.40%
46) 2-Hexanone-d5	8.13	63	73502	56.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36781	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	72351	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66378	5.411 ug/L	99
3) Chloromethane	1.25	50	32087	5.890 ug/L	94
5) Vinyl chloride	1.32	62	36327	5.758 ug/L	100
6) Bromomethane	1.53	94	21755	5.894 ug/L	98
8) Chloroethane	1.60	64	19241	5.643 ug/L	96
9) Trichlorofluoromethane	1.77	101	69727	5.634 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	31850	5.677 ug/L	100
12) 1,1-Dichloroethene	2.14	96	30281	5.847 ug/L	98
13) Acetone	2.21	43	39085	46.571 ug/L	100
14) Carbon disulfide	2.32	76	80595	5.582 ug/L	98
15) Methyl Acetate	2.46	43	7816	4.334 ug/L	98
16) Methylene chloride	2.53	84	28506	5.191 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	96022	5.299 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	43199	5.616 ug/L	98
19) 1,1-Dichloroethane	3.23	63	72417	5.753 ug/L	99
21) 2-Butanone	4.04	43	78030	53.800 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	47360	5.574 ug/L	83

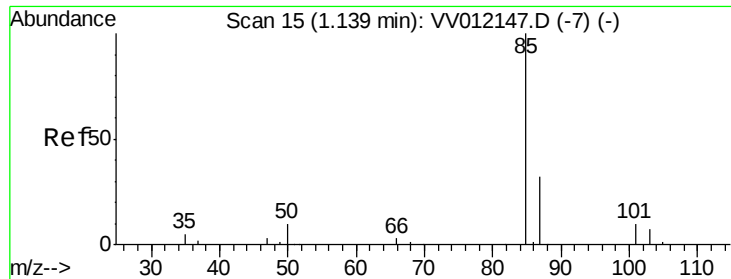
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080919\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22223	5.491	ug/L	92
25) Chloroform	4.42	83	84898	5.286	ug/L	95
27) 1,2-Dichloroethane	5.18	62	51144	5.287	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	81320	5.392	ug/L	99
30) Cyclohexane	4.72	56	62270	5.817	ug/L	94
31) Carbon tetrachloride	4.87	117	76742	5.260	ug/L	100
33) Benzene	5.14	78	167944	5.677	ug/L	100
34) Trichloroethene	5.96	95	48983	5.553	ug/L	96
35) Methylcyclohexane	6.17	83	75642	5.530	ug/L	98
37) 1,2-Dichloropropane	6.22	63	37332	5.806	ug/L	100
38) Bromodichloromethane	6.55	83	58056	5.260	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	60586	5.196	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	194616	53.129	ug/L	98
42) Toluene	7.43	91	193382	5.603	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	49800	5.293	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	30030	5.443	ug/L	99
47) Tetrachloroethene	8.02	164	47381	5.552	ug/L	98
48) 2-Hexanone	8.18	43	140704	54.822	ug/L	98
49) Dibromochloromethane	8.29	129	42977	5.181	ug/L	99
50) 1,2-Dibromoethane	8.40	107	30099	5.435	ug/L	100
51) Chlorobenzene	8.92	112	128836	5.479	ug/L	99
52) Ethylbenzene	9.05	91	216508	5.530	ug/L	96
53) m,p-xylene	9.18	106	86336	5.640	ug/L	99
54) o-xylene	9.59	106	82659	5.574	ug/L	95
55) Styrene	9.60	104	137891	5.590	ug/L	98
56) Isopropylbenzene	9.97	105	224699	5.466	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	34146	5.598	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	24184	5.182	ug/L	98
61) Bromoform	9.78	173	26296	4.926	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	114150	5.394	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	112849	5.320	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	104772	5.333	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	6138	4.818	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	99129	5.455	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	81436	5.385	ug/L	98
69) Naphthalene	13.55	128	113714	4.650	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	74148	5.173	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.411 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012154.D

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Instrument :

MSVOA_V

ClientSampleId :

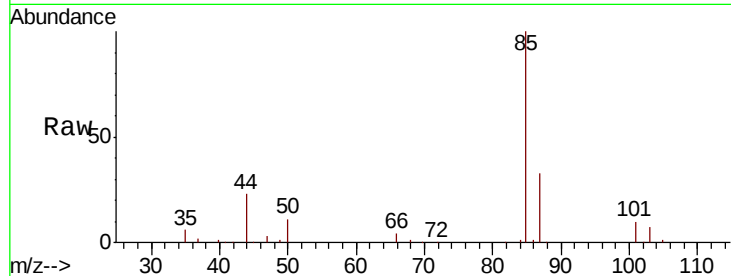
VSTD00537

Tgt Ion: 85 Resp: 66378

Ion Ratio Lower Upper

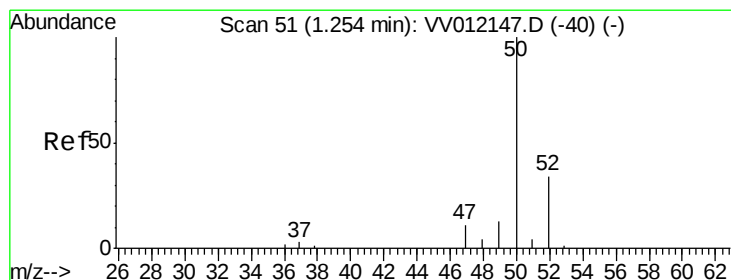
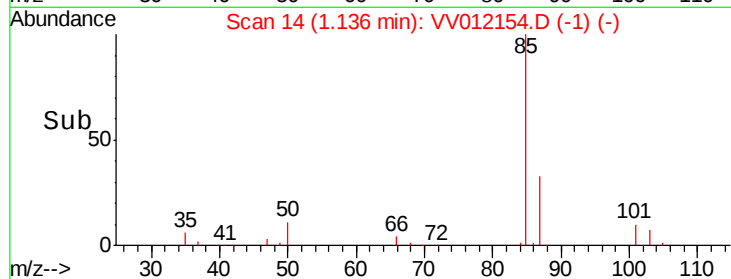
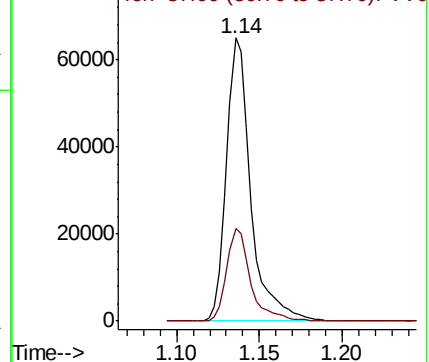
85 100

87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.890 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012154.D

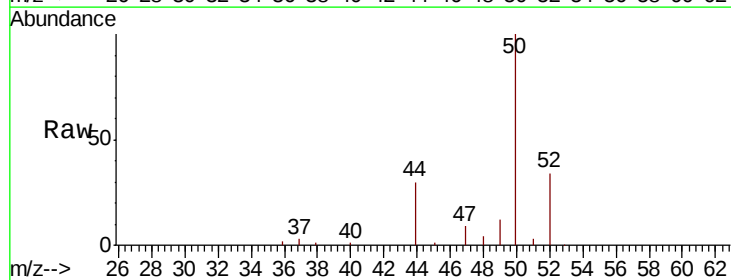
Acq: 09 Aug 2019 15:36

Tgt Ion: 50 Resp: 32087

Ion Ratio Lower Upper

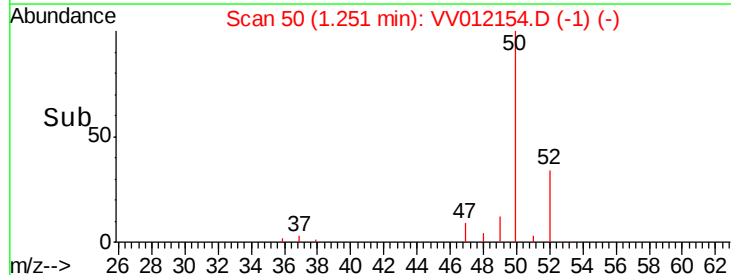
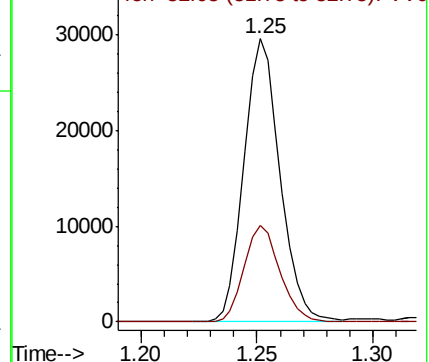
50 100

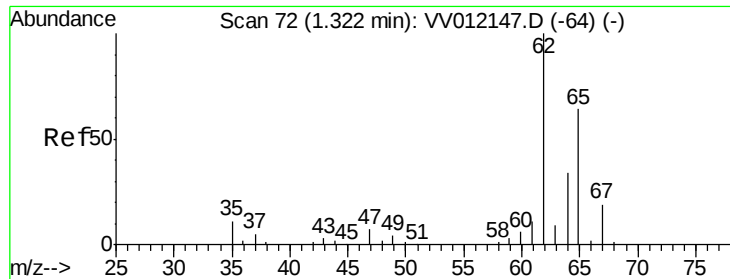
52 34.1 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.758 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

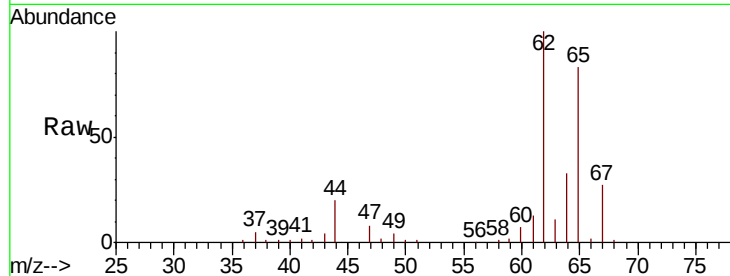
VSTD00537

Tgt Ion: 62 Resp: 36327

Ion Ratio Lower Upper

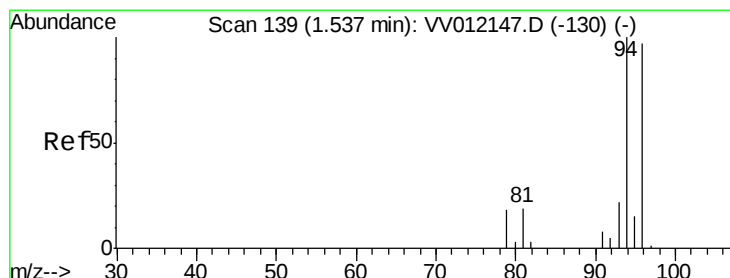
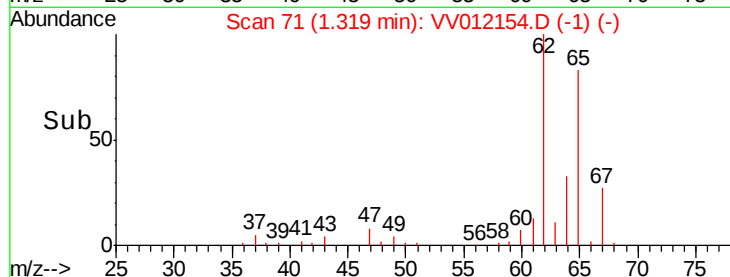
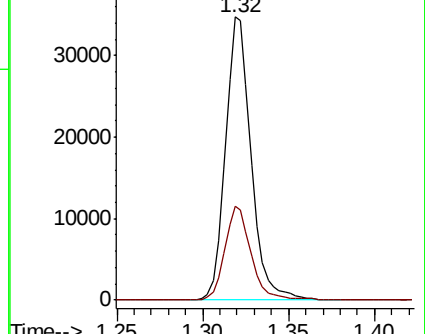
62 100

64 33.2 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.894 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012154.D

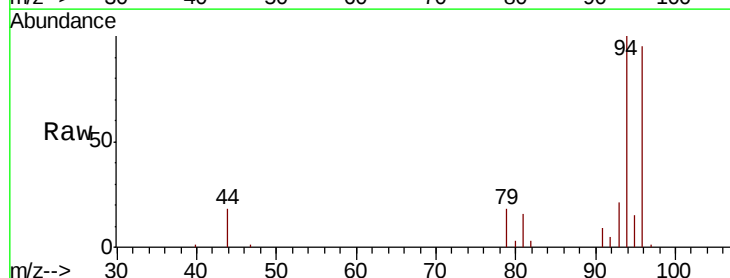
Acq: 09 Aug 2019 15:36

Tgt Ion: 94 Resp: 21755

Ion Ratio Lower Upper

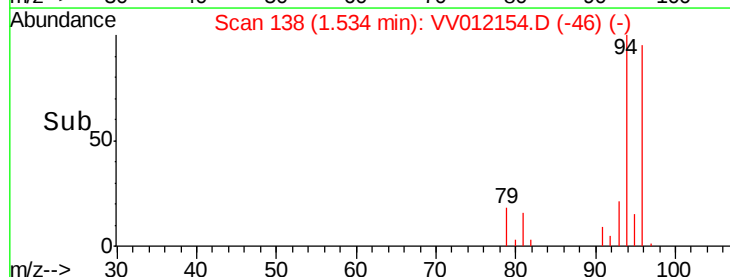
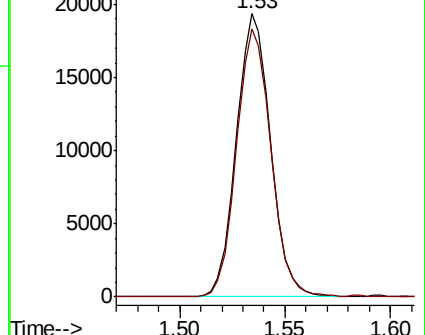
94 100

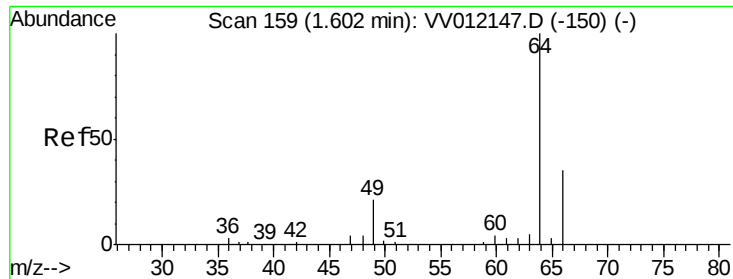
96 94.7 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

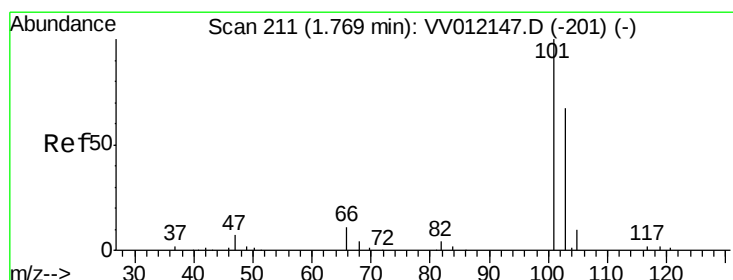
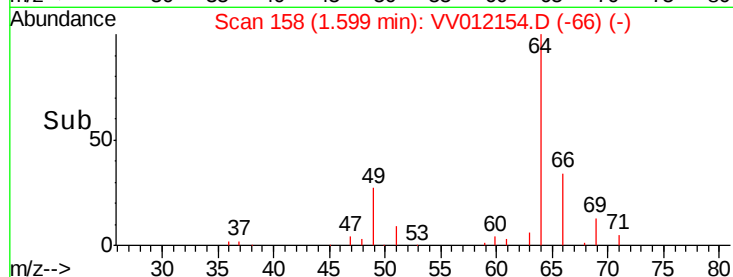
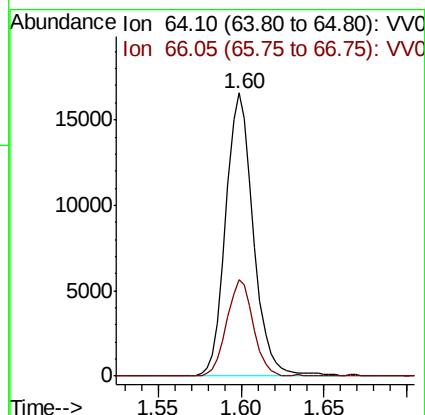
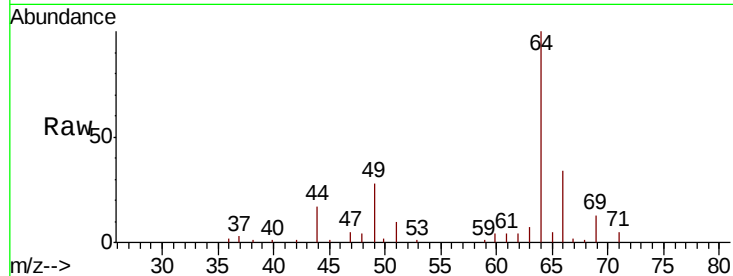




#8
Chloroethane
Concen: 5.643 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

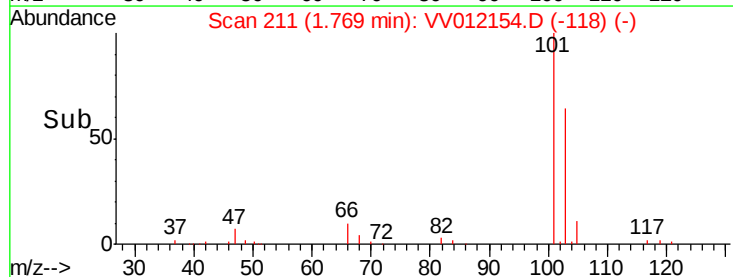
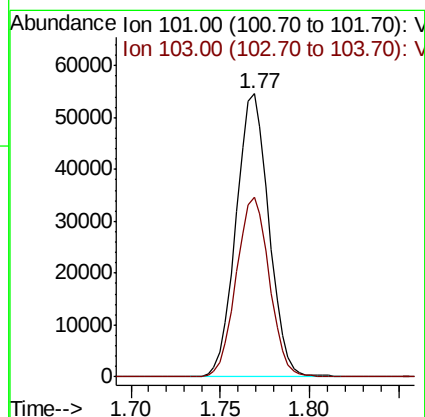
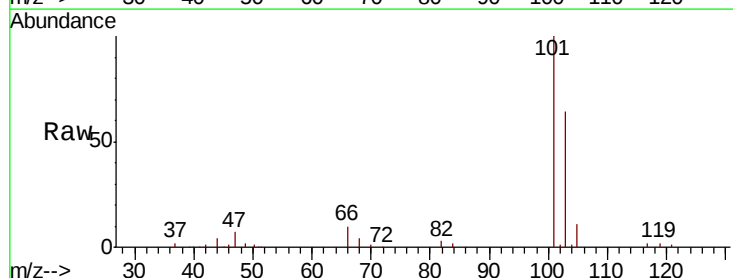
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

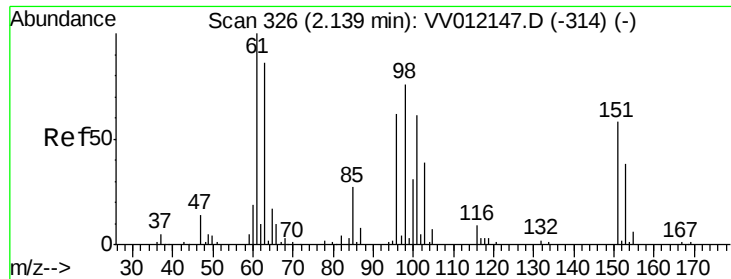
Tgt Ion: 64 Resp: 19241
Ion Ratio Lower Upper
64 100
66 33.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.634 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

Tgt Ion: 101 Resp: 69727
Ion Ratio Lower Upper
101 100
103 64.1 53.3 79.9





#10

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

Concen: 5.677 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

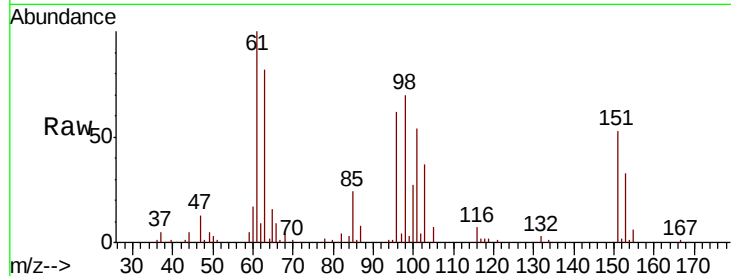
Tgt Ion: 101 Resp: 31850

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

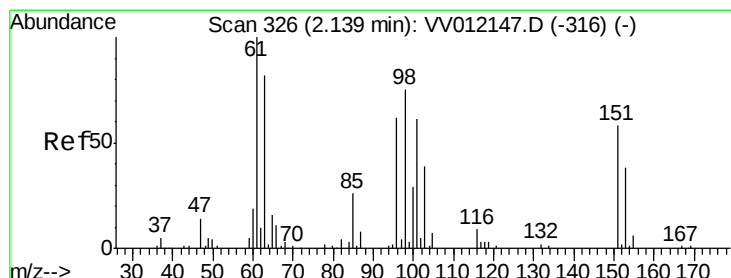
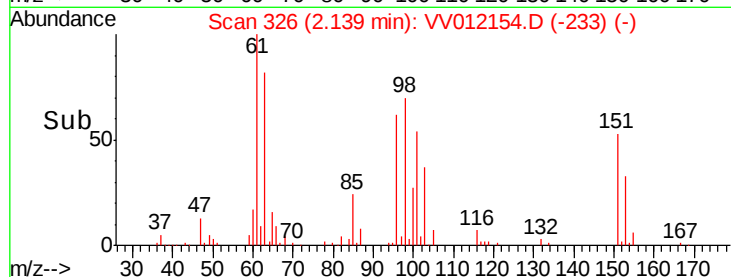
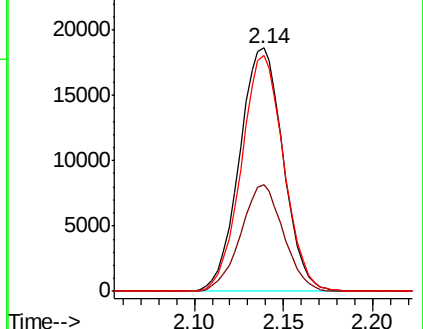
151 94.3 75.0 112.6



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: 5.847 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

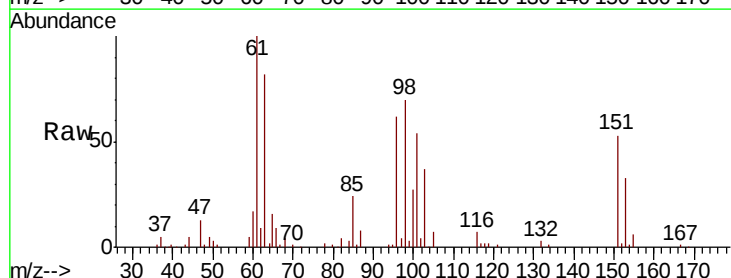
Tgt Ion: 96 Resp: 30281

Ion Ratio Lower Upper

96 100

61 162.0 114.7 213.1

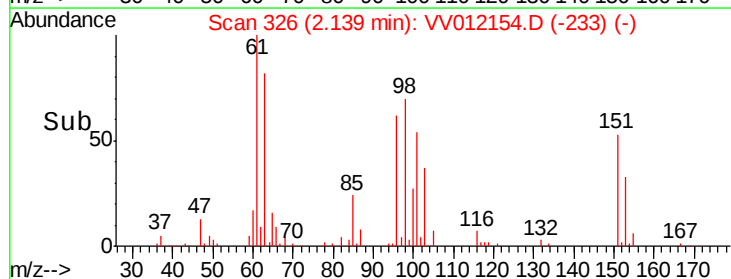
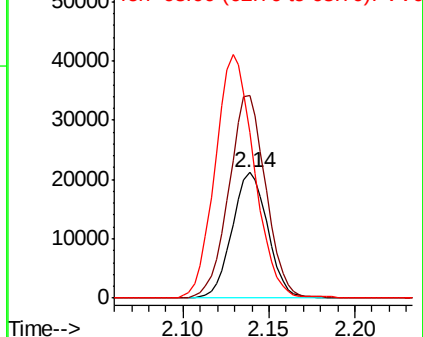
63 132.1 94.9 176.3

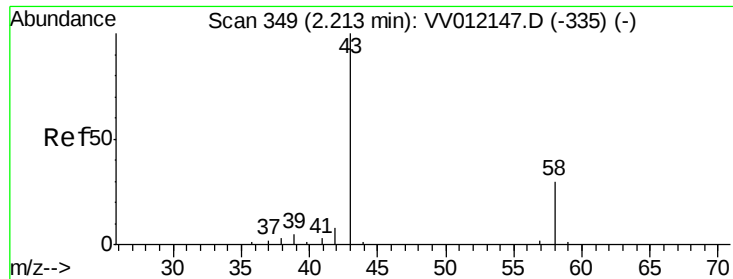


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.571 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

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Acq: 09 Aug 2019 15:36

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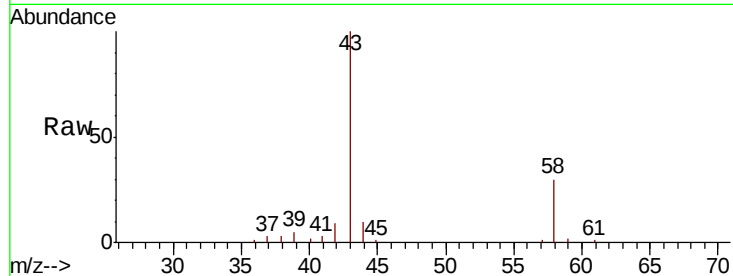
VSTD00537

Tgt Ion: 43 Resp: 39085

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

15000

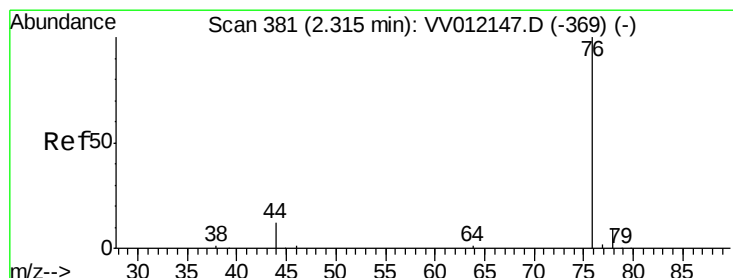
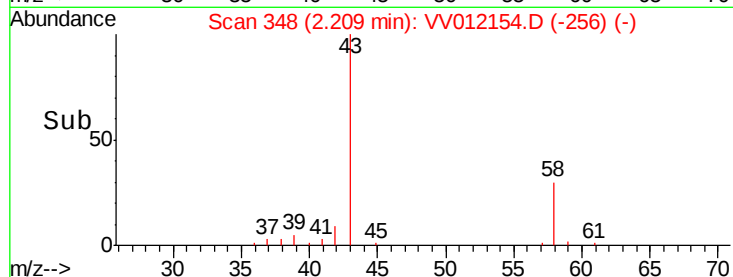
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5000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 5.582 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012154.D

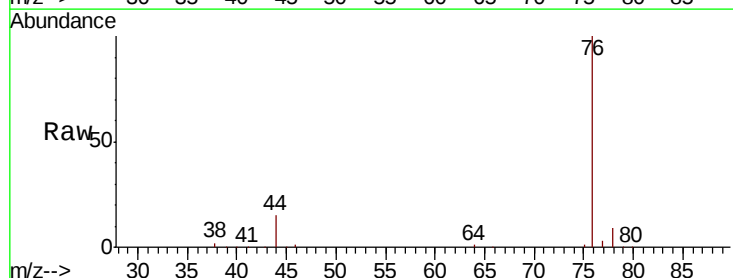
Acq: 09 Aug 2019 15:36

Tgt Ion: 76 Resp: 80595

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.8



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

60000

50000

40000

30000

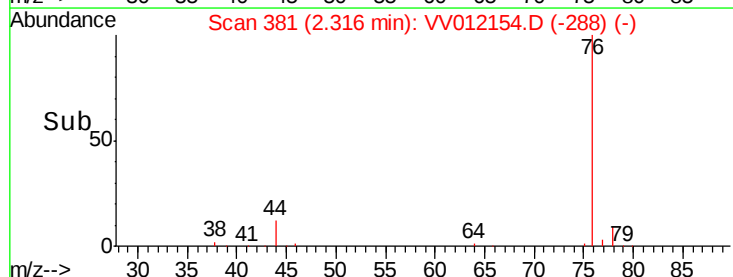
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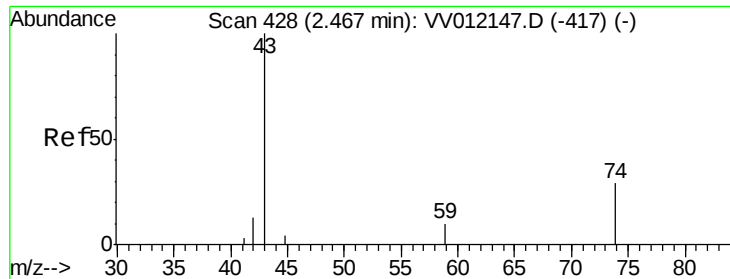
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0

2.25 2.30 2.35 2.40

Time-->

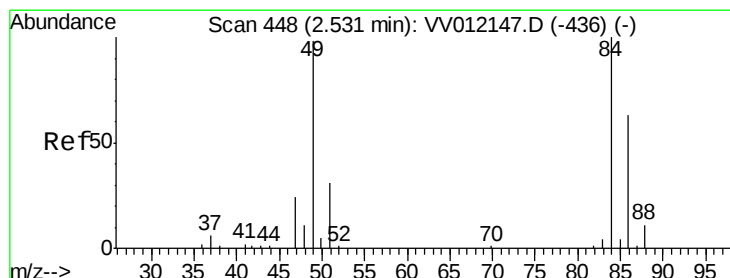
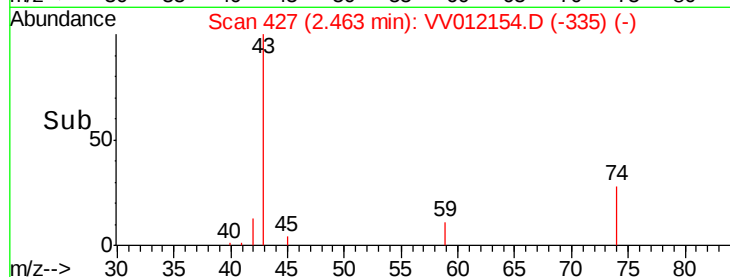
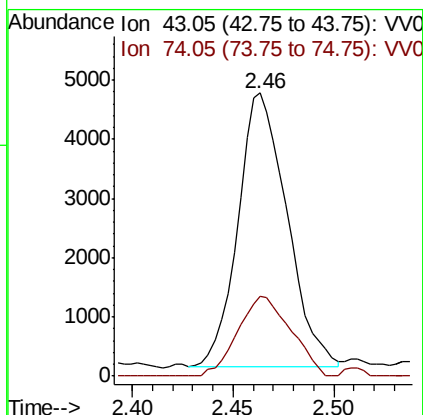
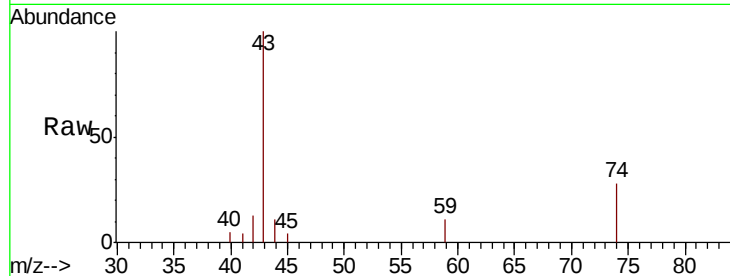




#15
Methyl Acetate
Concen: 4.334 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

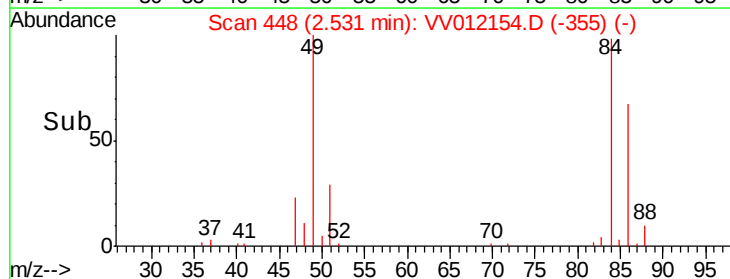
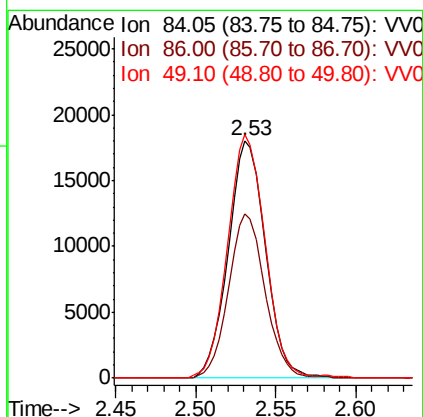
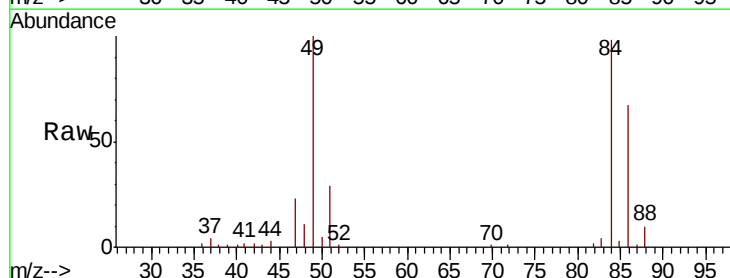
Instrument :
MSVOA_V
ClientSampled :
VSTD00537

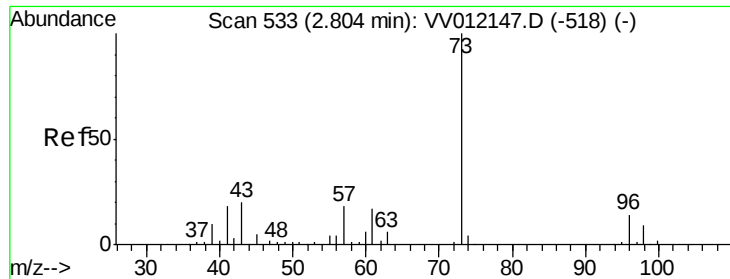
Tgt Ion: 43 Resp: 7816
Ion Ratio Lower Upper
43 100
74 31.6 24.6 36.8



#16
Methylene chloride
Concen: 5.191 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

Tgt Ion: 84 Resp: 28506
Ion Ratio Lower Upper
84 100
86 69.0 45.4 84.2
49 102.5 69.2 128.4

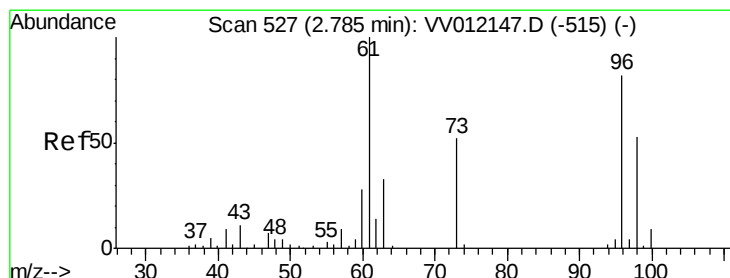
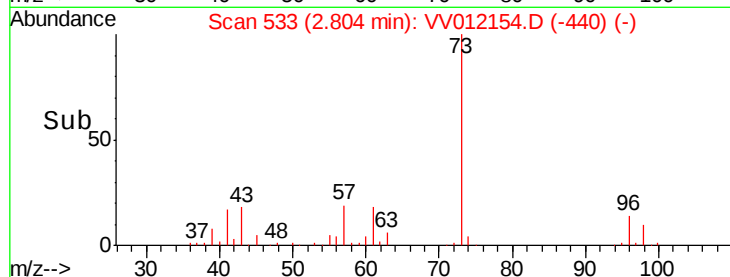
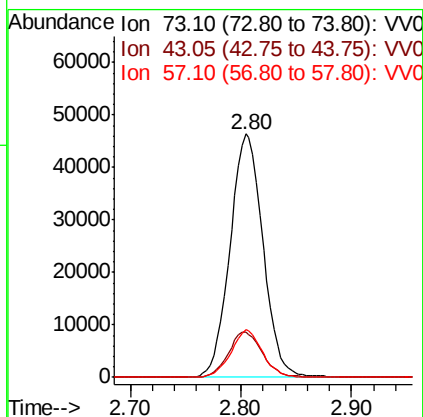
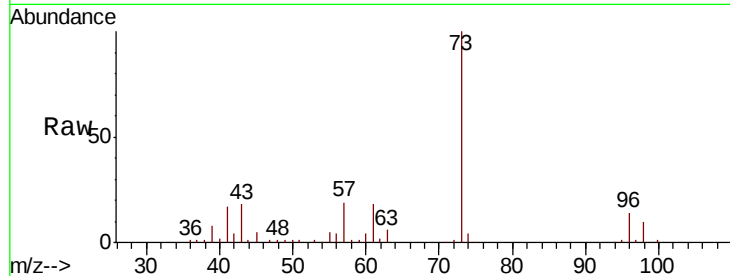




#17
Methyl tert-butyl Ether
Concen: 5.299 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

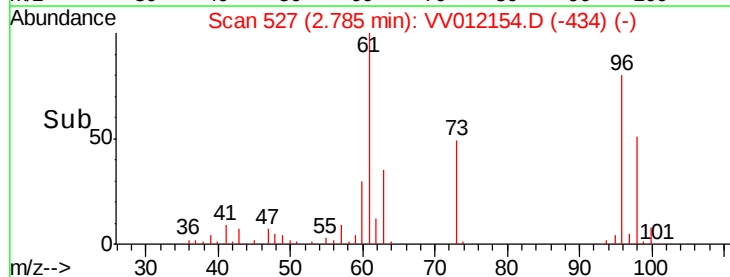
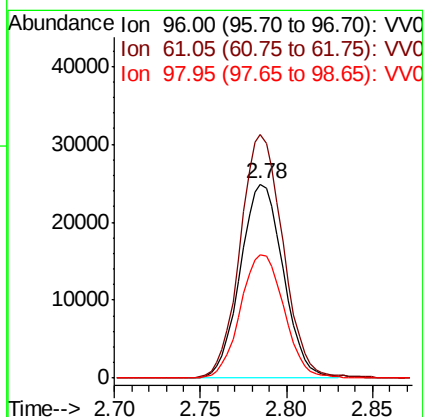
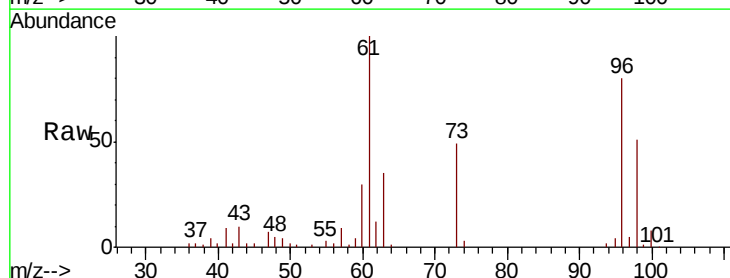
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

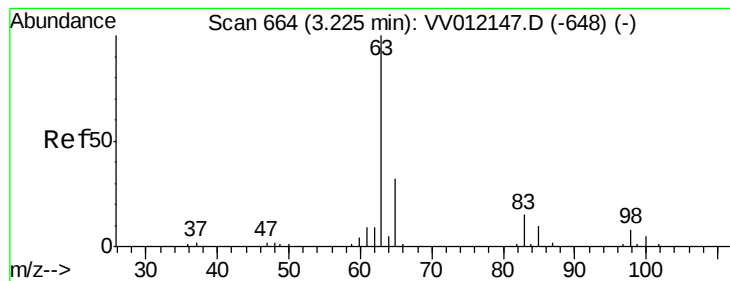
Tgt Ion: 73 Resp: 96022
Ion Ratio Lower Upper
73 100
43 19.4 15.9 23.9
57 18.8 15.0 22.4



#18
trans-1,2-Dichloroethene
Concen: 5.616 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

Tgt Ion: 96 Resp: 43199
Ion Ratio Lower Upper
96 100
61 125.4 89.9 167.0
98 63.6 45.6 84.6





#19

1,1-Dichloroethane

Concen: 5.753 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

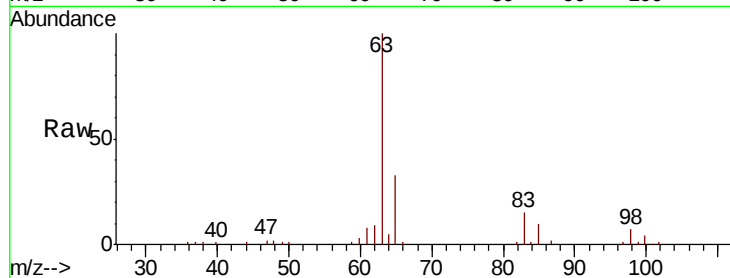
Tgt Ion: 63 Resp: 72417

Ion Ratio Lower Upper

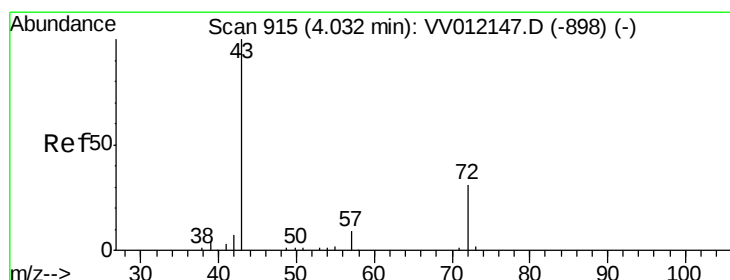
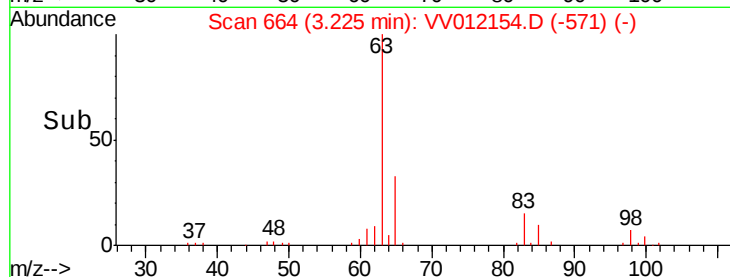
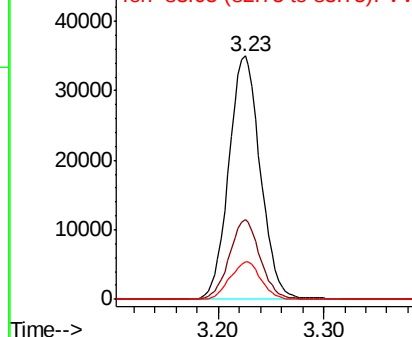
63 100

65 32.9 23.5 43.7

83 15.2 11.0 20.4



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



#21

2-Butanone

Concen: 53.800 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV012154.D

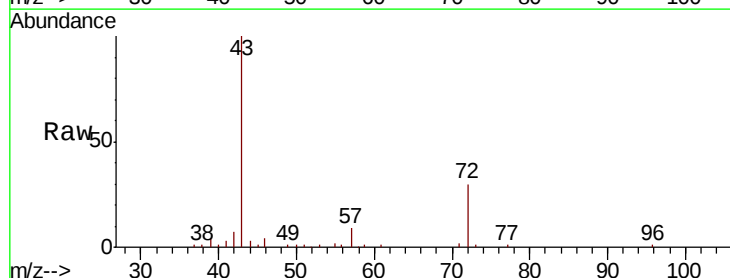
Acq: 09 Aug 2019 15:36

Tgt Ion: 43 Resp: 78030

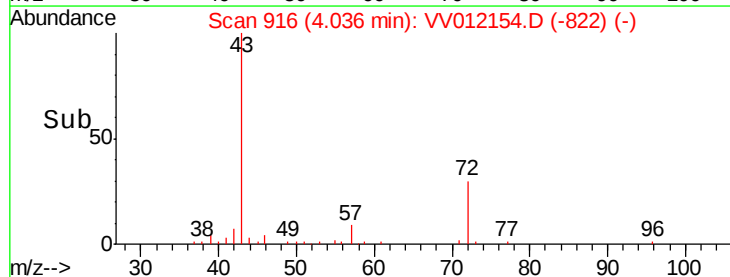
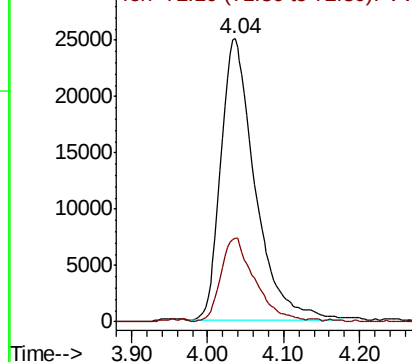
Ion Ratio Lower Upper

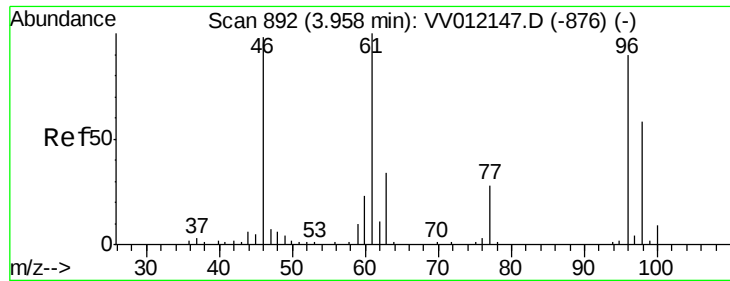
43 100

72 29.9 14.8 44.3



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



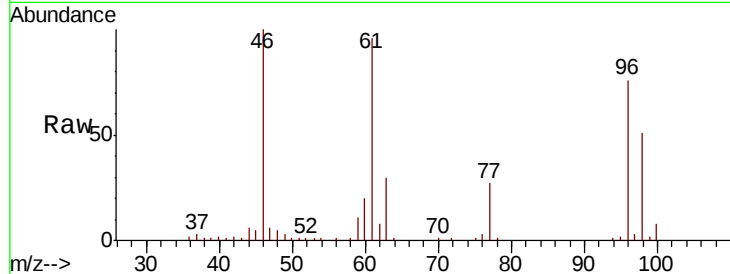


#22

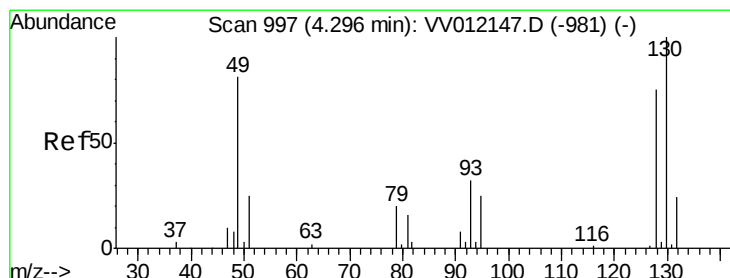
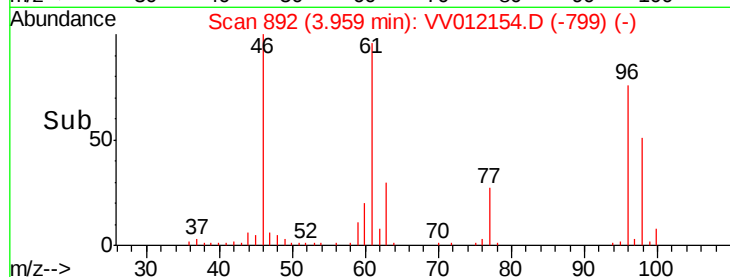
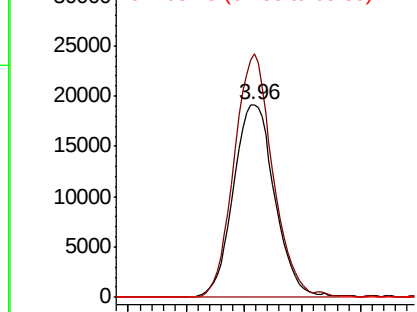
cis-1,2-Dichloroethene
 Concen: 5.574 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion: 96 Resp: 47360
 Ion Ratio Lower Upper
 96 100
 61 126.3 76.2 141.4
 68 0.0 0.0 0.0



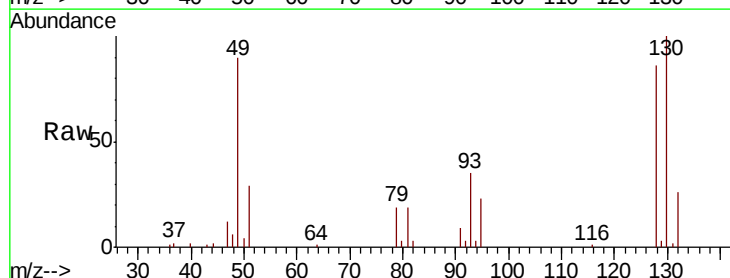
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



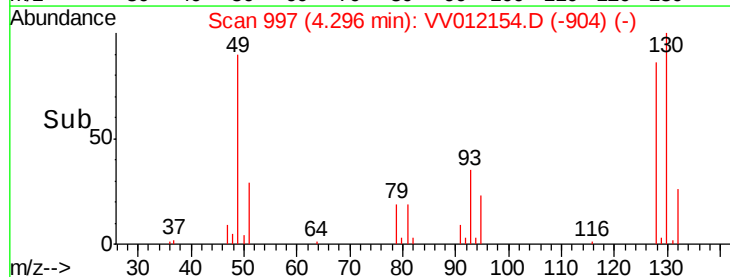
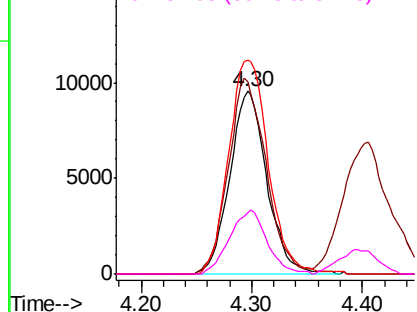
#23

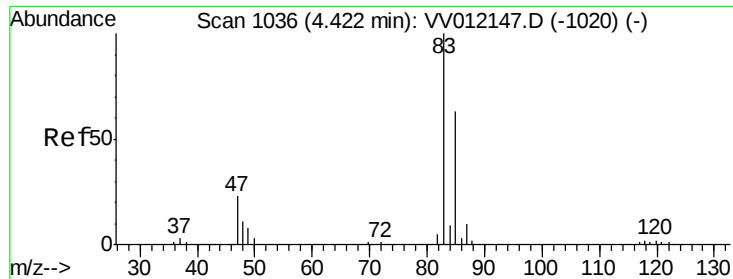
Bromochloromethane
 Concen: 5.491 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion: 128 Resp: 22223
 Ion Ratio Lower Upper
 128 100
 49 104.8 74.6 138.6
 130 116.9 94.0 174.6
 51 33.4 26.9 40.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

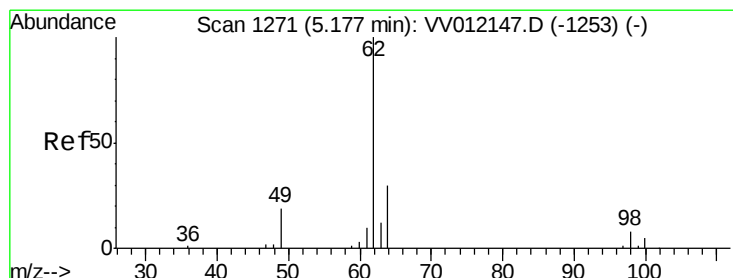
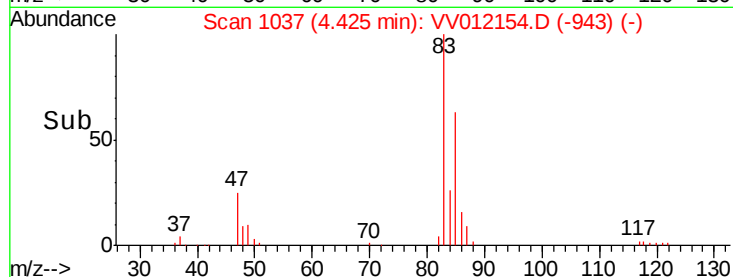
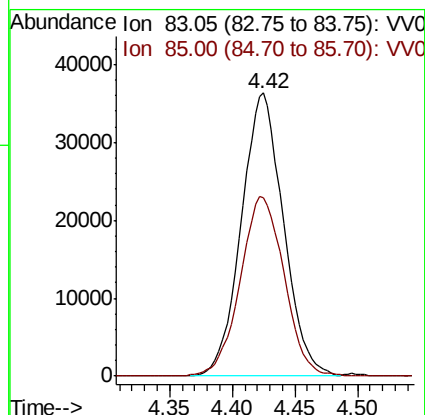
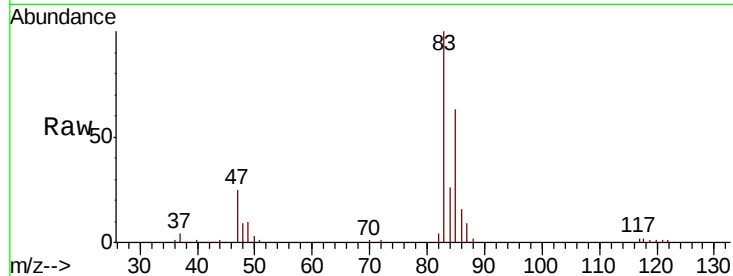




#25
 Chloroform
 Concen: 5.286 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

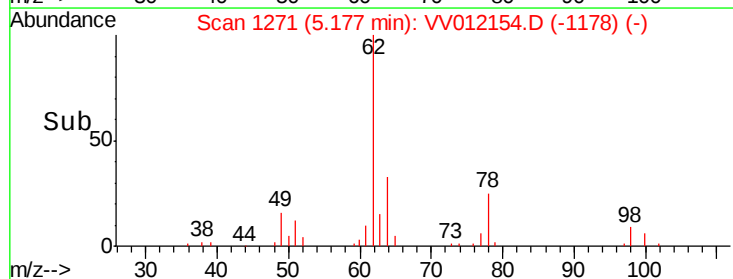
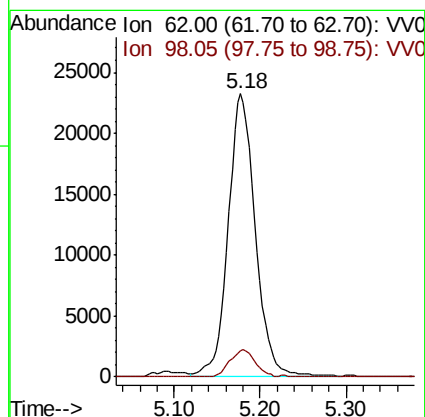
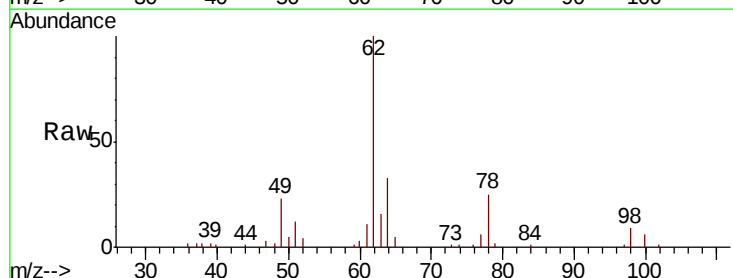
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

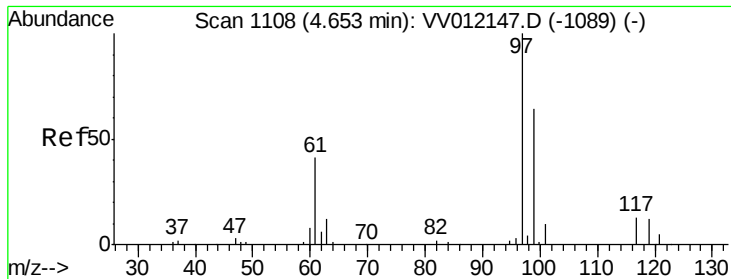
Tgt Ion: 83 Resp: 84898
 Ion Ratio Lower Upper
 83 100
 85 63.1 47.1 87.5



#27
 1,2-Dichloroethane
 Concen: 5.287 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion: 62 Resp: 51144
 Ion Ratio Lower Upper
 62 100
 98 9.3 6.4 9.6

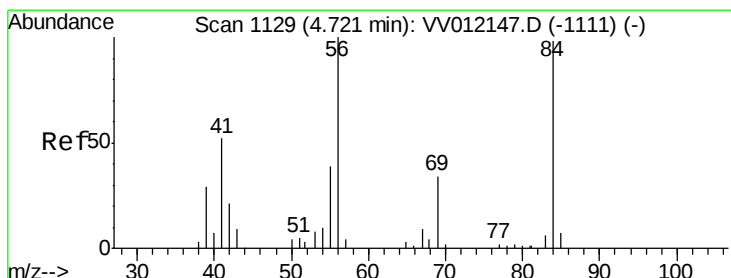
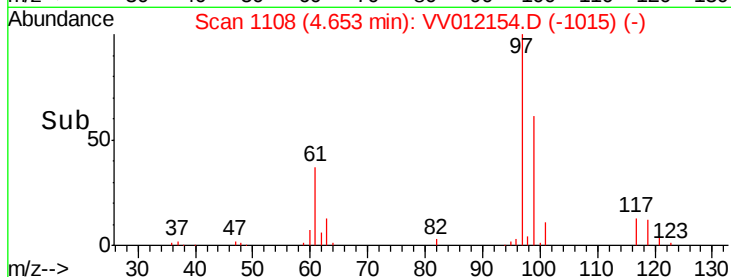
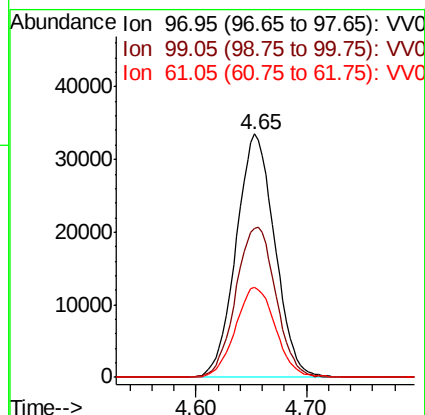
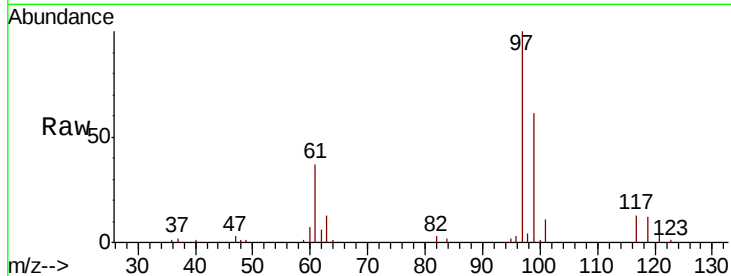




#29
 1,1,1-Trichloroethane
 Concen: 5.392 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

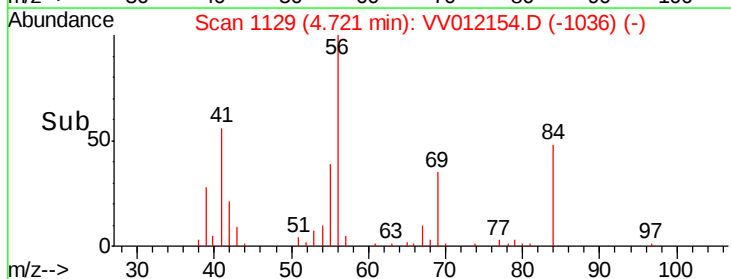
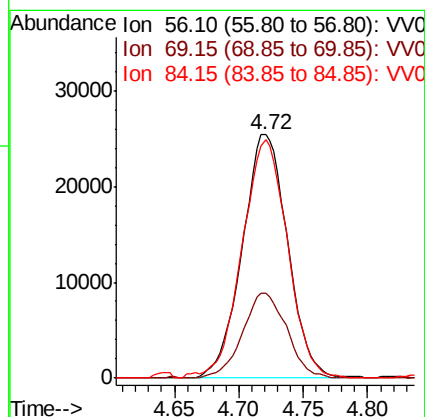
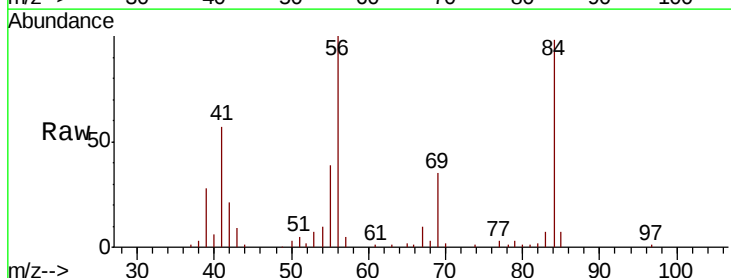
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

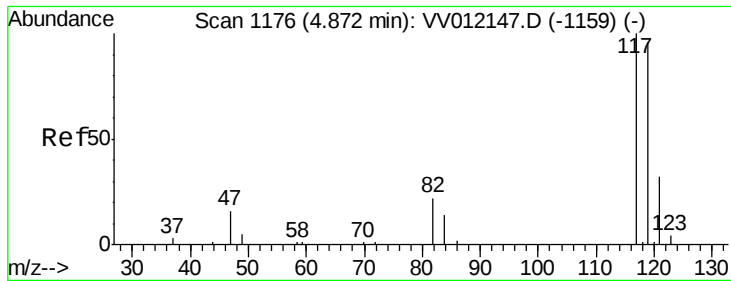
Tgt Ion: 97 Resp: 81320
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.0 78.0
 61 38.5 31.4 47.0



#30
 Cyclohexane
 Concen: 5.817 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion: 56 Resp: 62270
 Ion Ratio Lower Upper
 56 100
 69 34.0 28.0 42.0
 84 98.5 85.4 128.0





#31

Carbon tetrachloride

Concen: 5.260 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

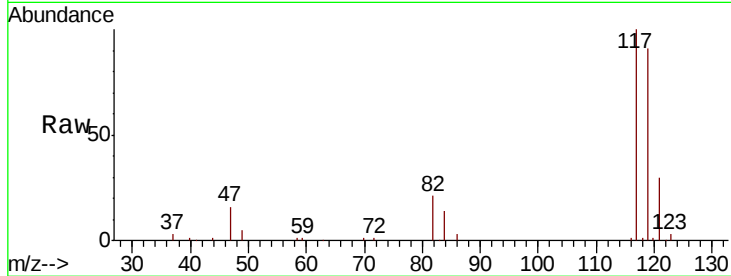
VSTD00537

Tgt Ion:117 Resp: 76742

Ion Ratio Lower Upper

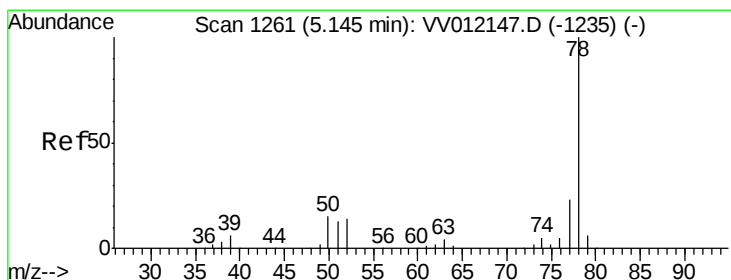
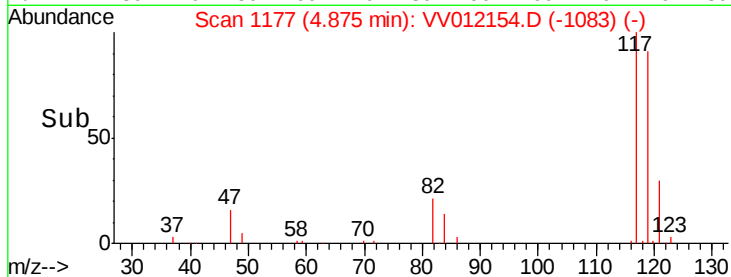
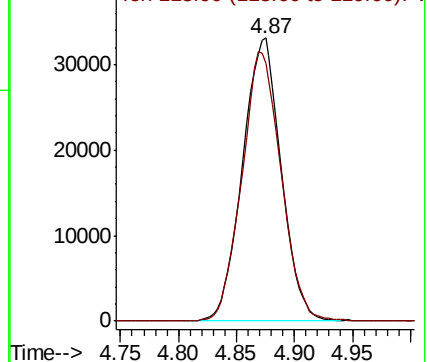
117 100

119 96.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.677 ug/L

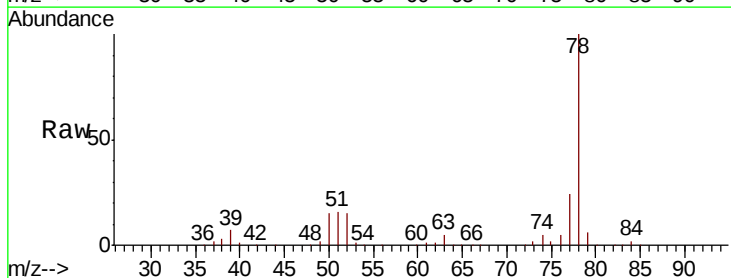
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

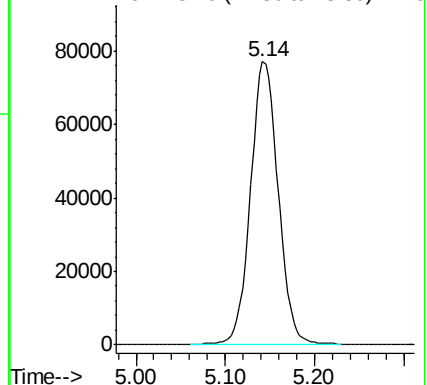
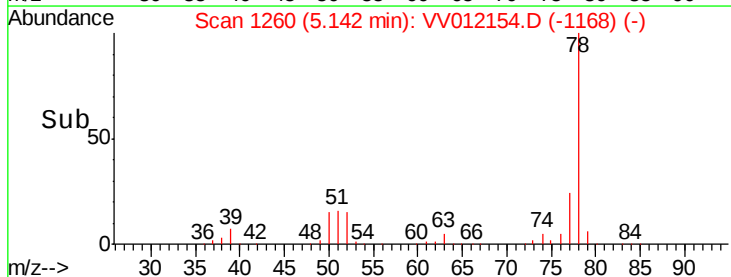
Lab File: VV012154.D

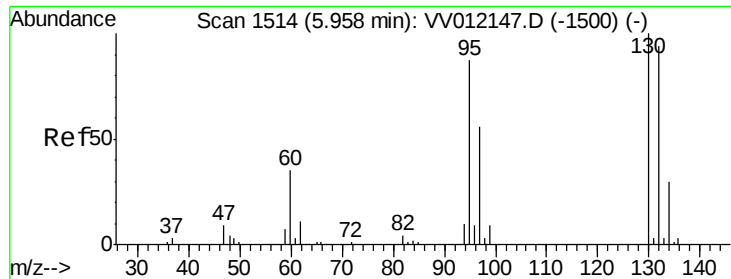
Acq: 09 Aug 2019 15:36

Tgt Ion: 78 Resp: 167944



Abundance Ion 78.10 (77.80 to 78.80): VV0

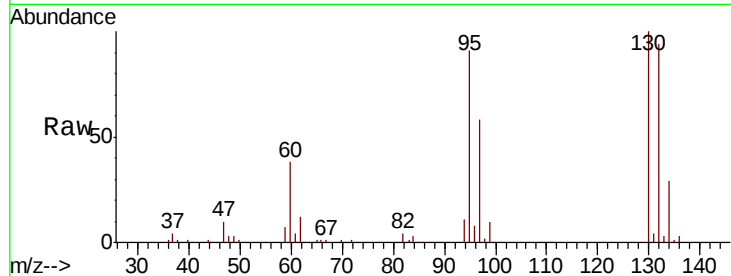




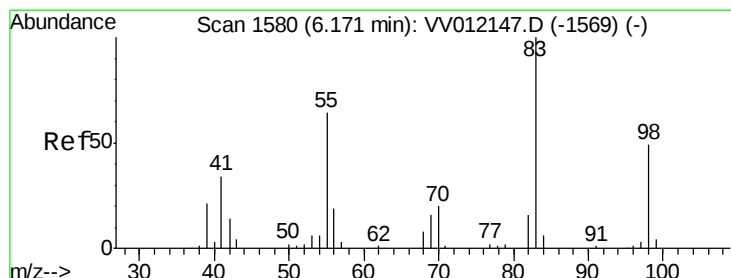
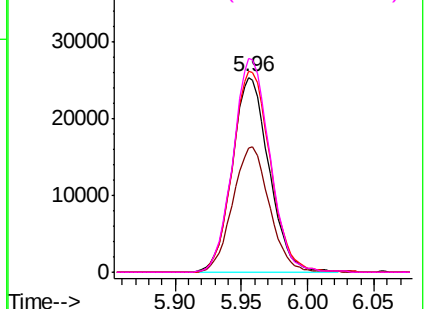
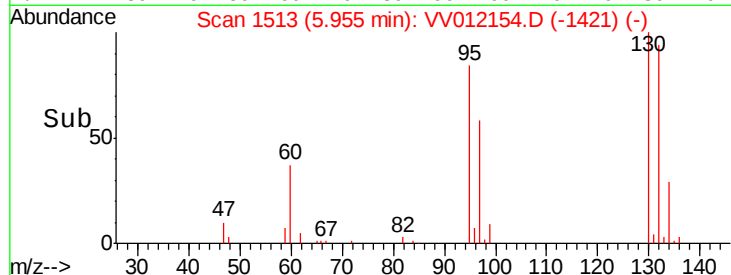
#34
 Trichloroethene
 Concen: 5.553 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion: 95 Resp: 48983
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.6 82.8
 132 103.3 75.9 141.1
 130 109.8 80.2 148.9

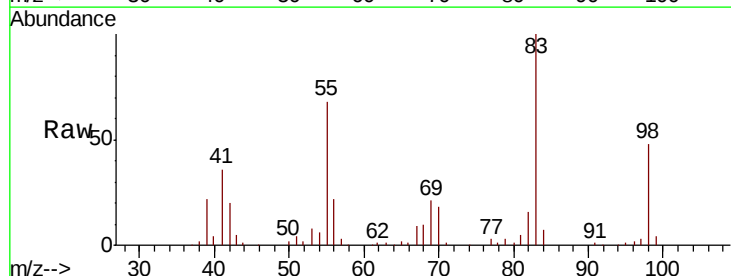


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

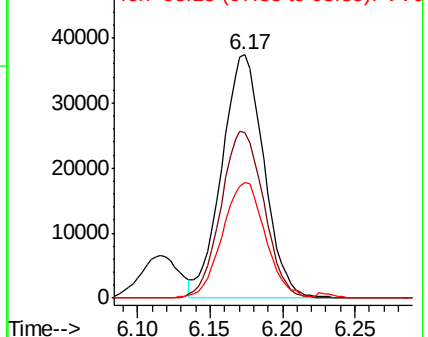
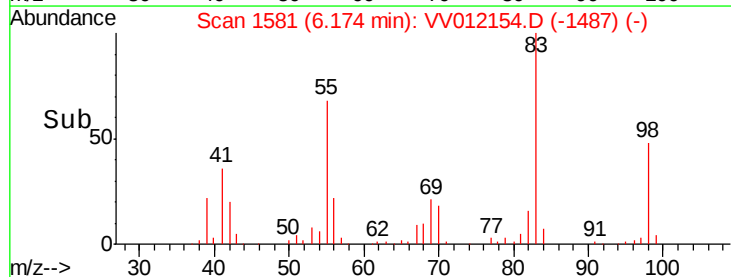


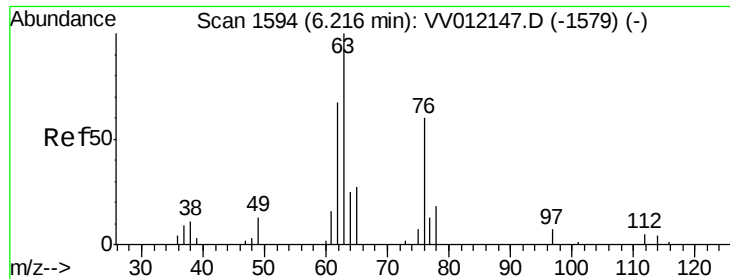
#35
 Methylcyclohexane
 Concen: 5.530 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion: 83 Resp: 75642
 Ion Ratio Lower Upper
 83 100
 55 69.5 55.0 82.6
 98 48.3 40.4 60.6



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

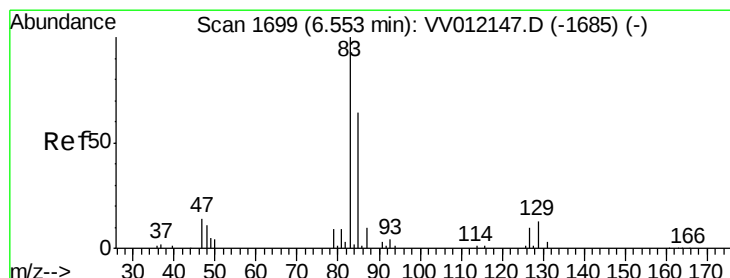
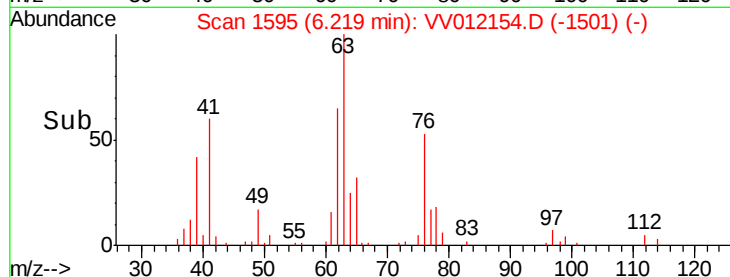
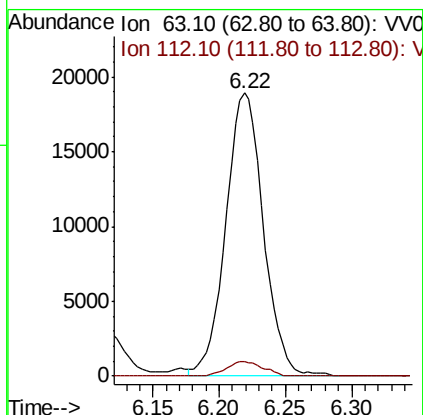
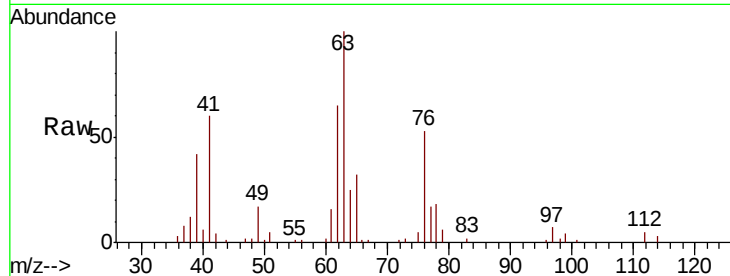




#37
 1,2-Dichloropropane
 Concen: 5.806 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

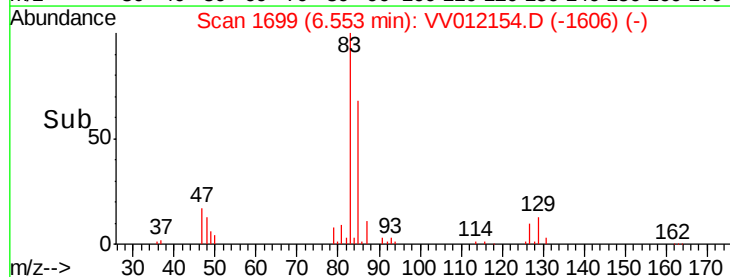
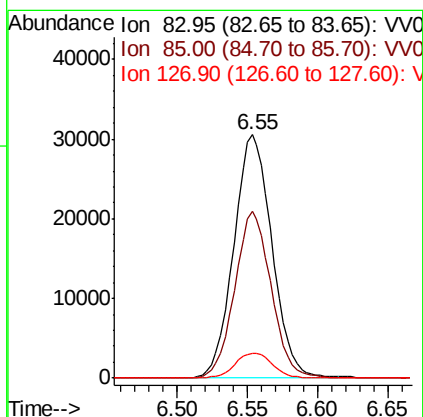
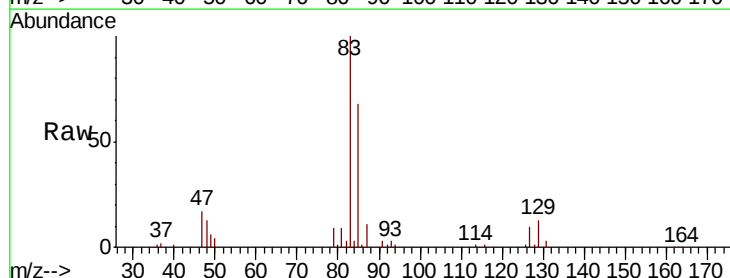
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

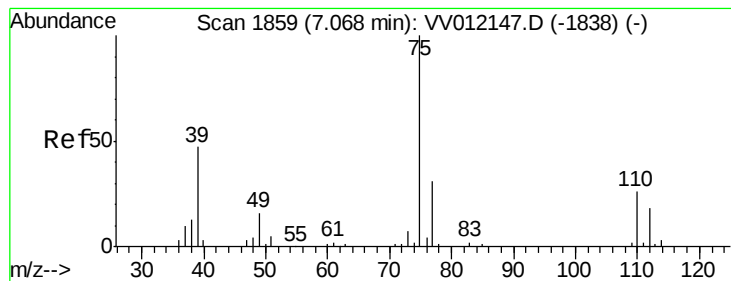
Tgt Ion: 63 Resp: 37332
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.260 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion: 83 Resp: 58056
 Ion Ratio Lower Upper
 83 100
 85 68.3 44.9 83.5
 127 10.2 8.2 12.2



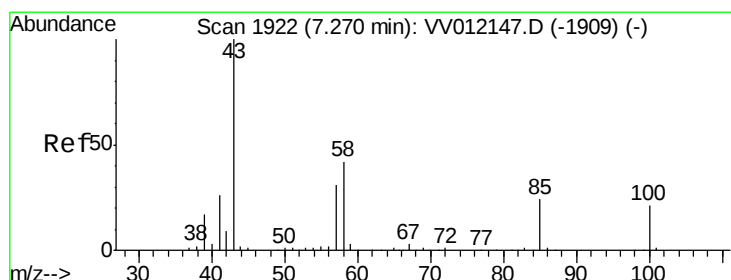
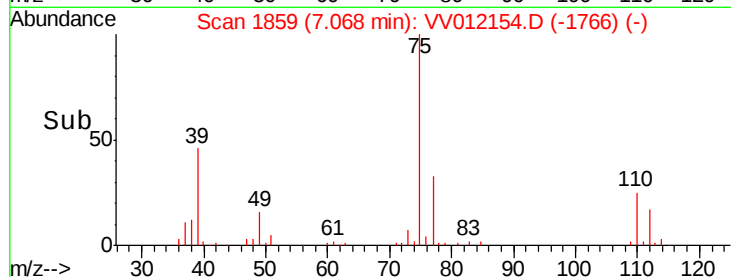
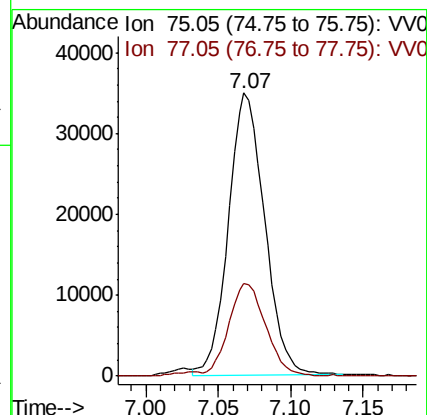
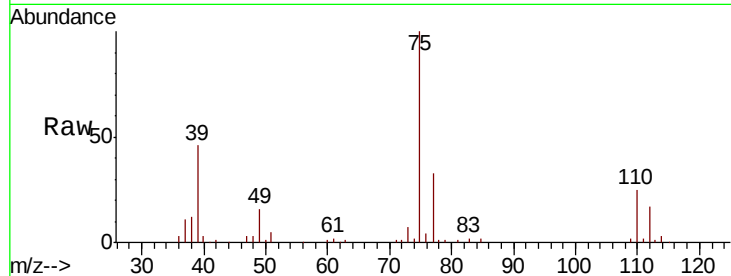


#39

cis-1,3-Dichloropropene
 Concen: 5.196 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

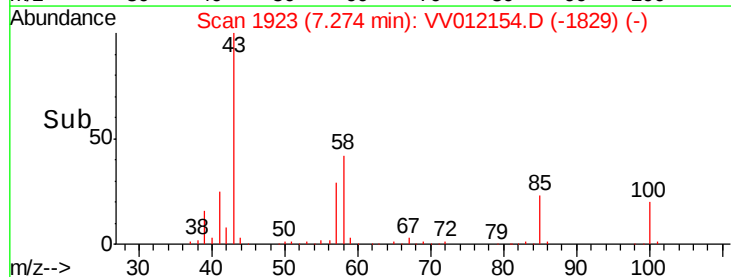
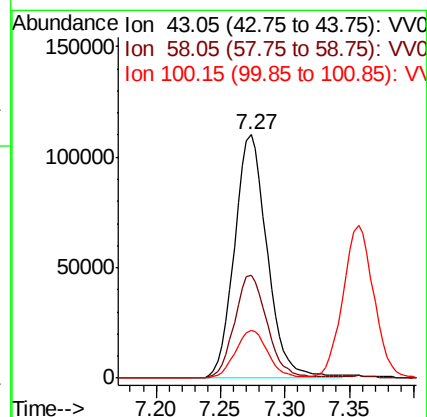
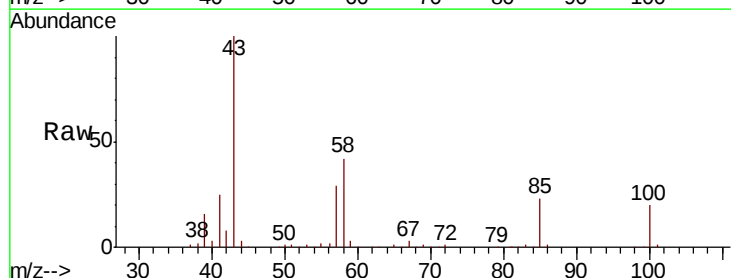
Tgt Ion: 75 Resp: 60586
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.5 41.7

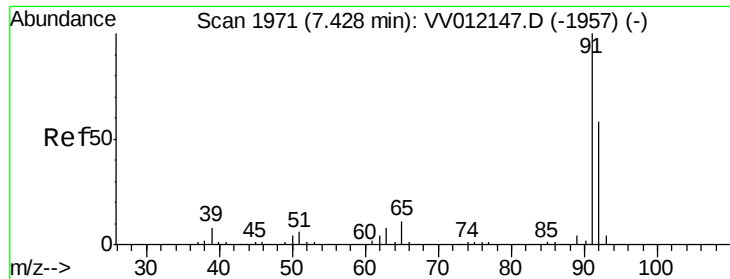


#40

4-Methyl-2-pentanone
 Concen: 53.129 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion: 43 Resp: 194616
 Ion Ratio Lower Upper
 43 100
 58 42.2 34.2 51.2
 100 19.5 17.0 25.6





#42

Toluene

Concen: 5.603 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

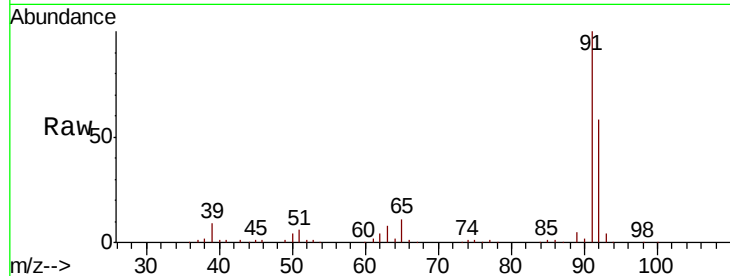
VSTD00537

Tgt Ion: 91 Resp: 193382

Ion Ratio Lower Upper

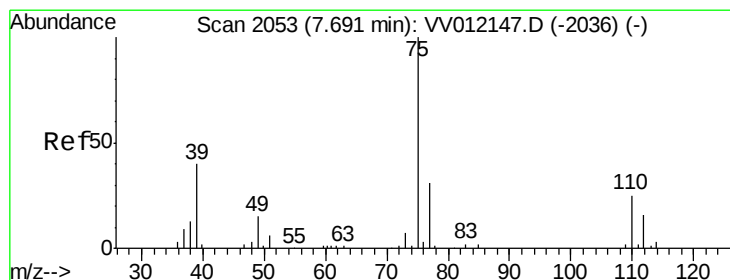
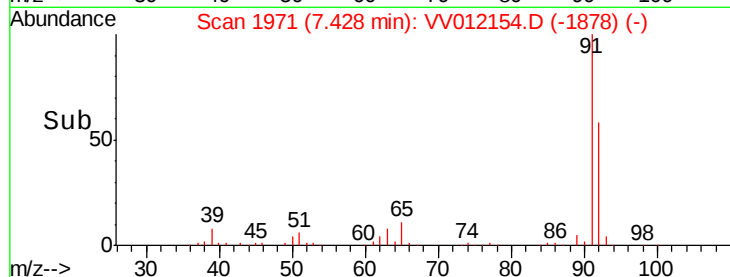
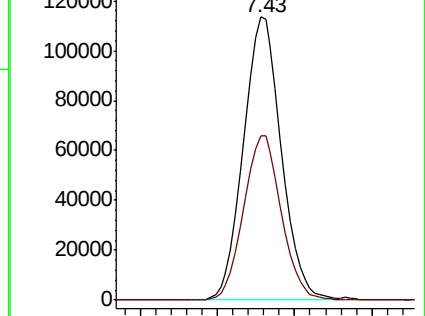
91 100

92 58.3 41.4 77.0



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: 5.293 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012154.D

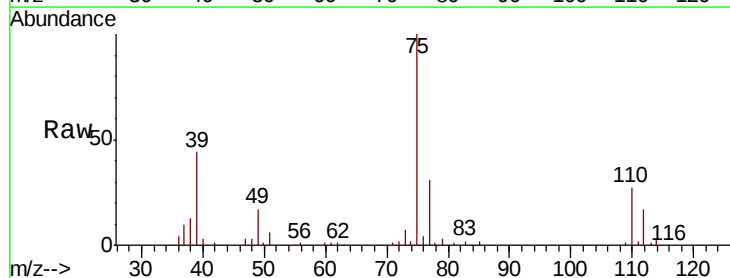
Acq: 09 Aug 2019 15:36

Tgt Ion: 75 Resp: 49800

Ion Ratio Lower Upper

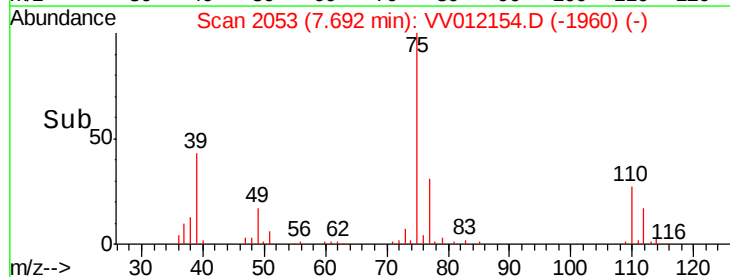
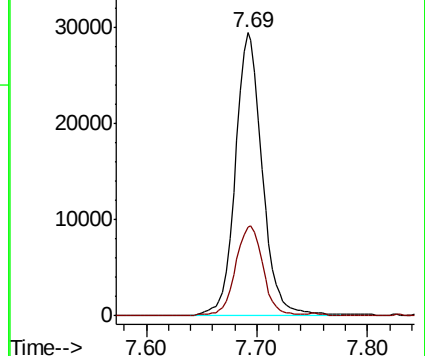
75 100

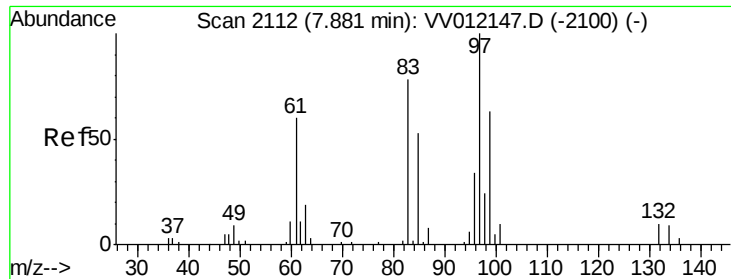
77 31.5 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

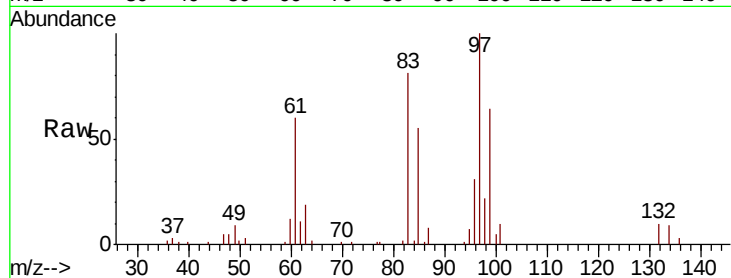




#45
 1,1,2-Trichloroethane
 Concen: 5.443 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion:	97	Resp:	30030
Ion	Ratio	Lower	Upper
97	100		
99	64.0	45.2	84.0
83	81.4	56.8	105.4
85	55.2	37.9	70.5



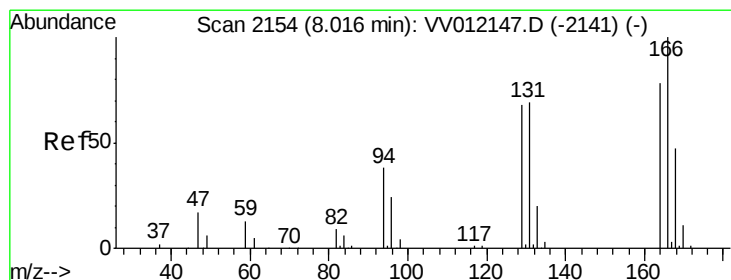
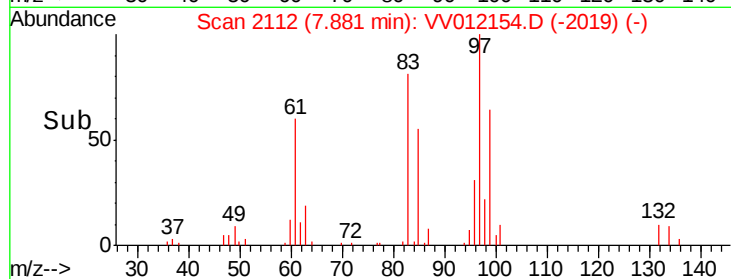
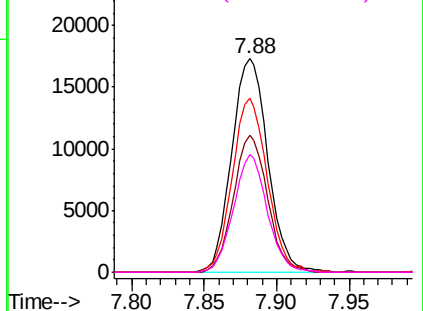
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

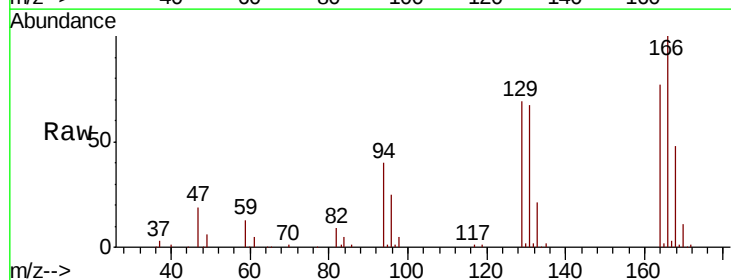
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.552 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion:	164	Resp:	47381
Ion	Ratio	Lower	Upper
164	100		
129	89.8	62.2	115.4
131	87.7	60.1	111.5
166	130.0	92.2	171.2



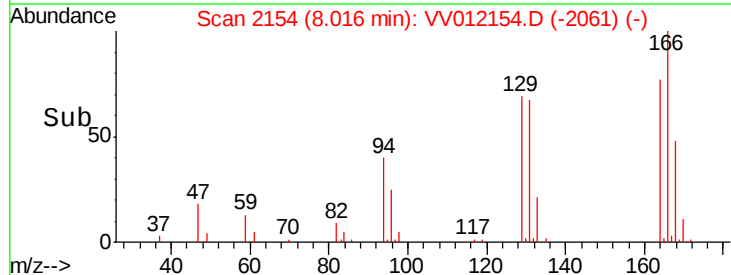
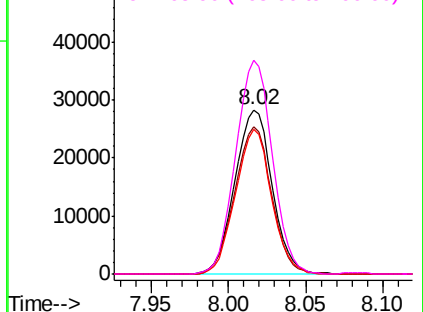
Abundance

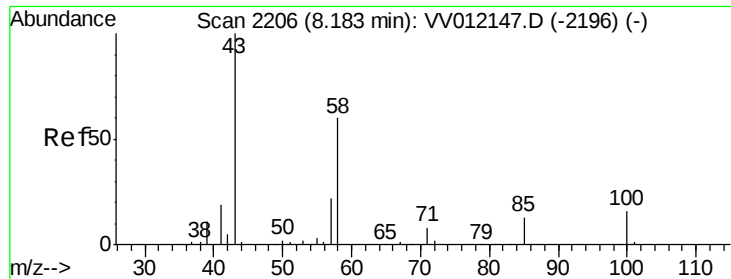
Ion 163.90 (163.60 to 164.60): V

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

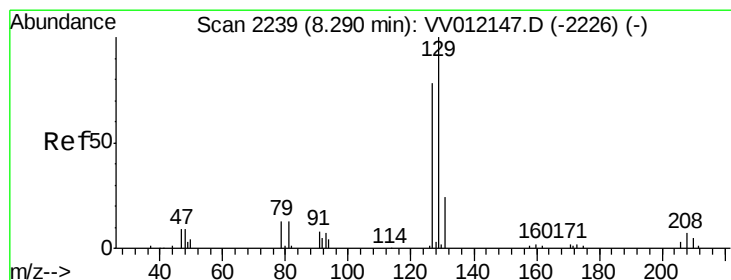
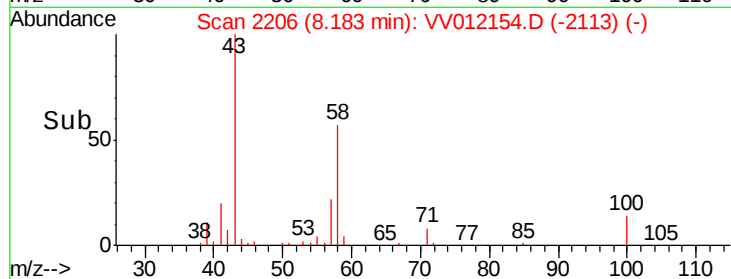
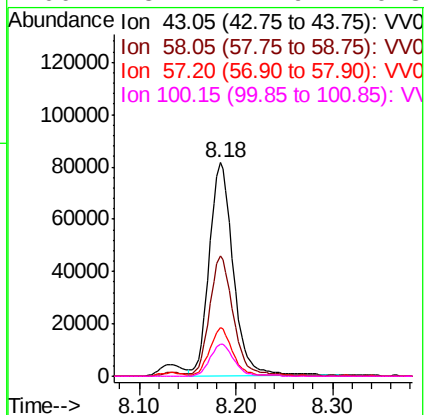
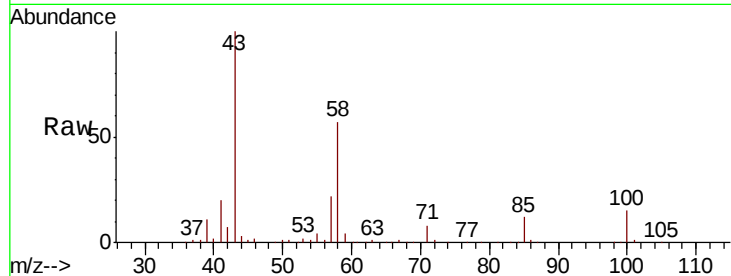




#48
2-Hexanone
Concen: 54.822 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

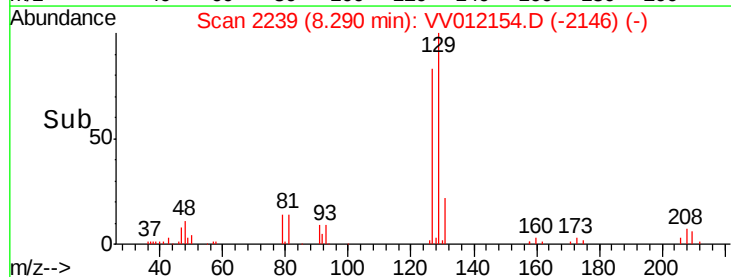
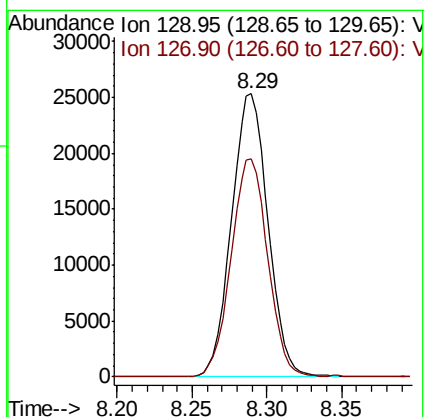
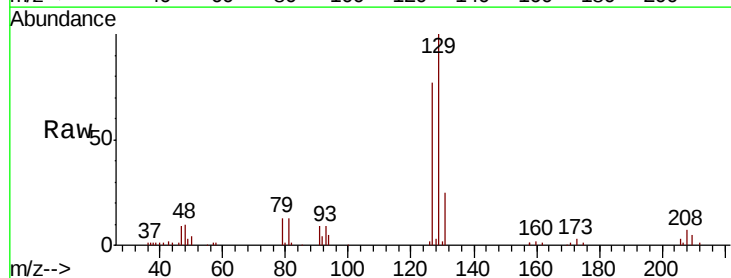
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

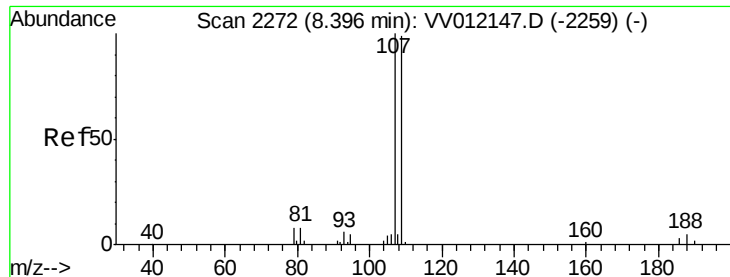
Tgt Ion: 43 Resp: 140704
Ion Ratio Lower Upper
43 100
58 56.1 46.4 69.6
57 21.5 17.7 26.5
100 15.1 12.9 19.3



#49
Dibromochloromethane
Concen: 5.181 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

Tgt Ion: 129 Resp: 42977
Ion Ratio Lower Upper
129 100
127 77.1 53.4 99.2

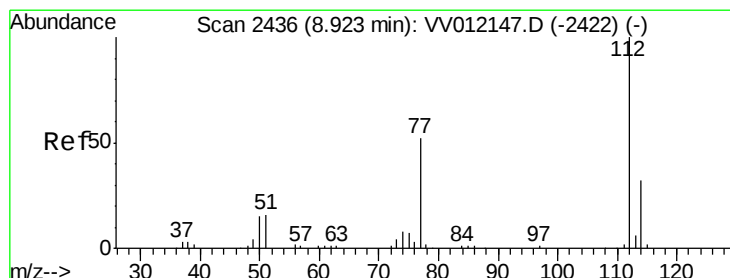
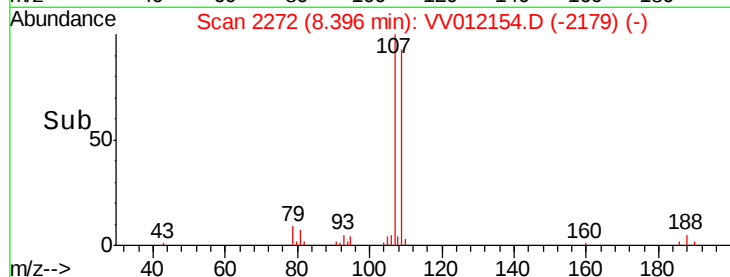
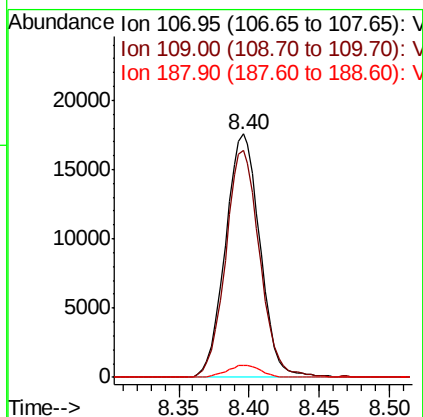
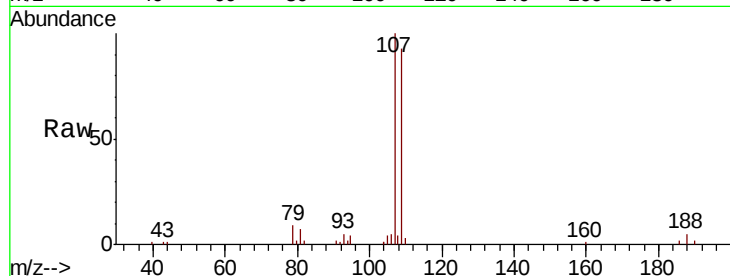




#50
1,2-Dibromoethane
Concen: 5.435 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

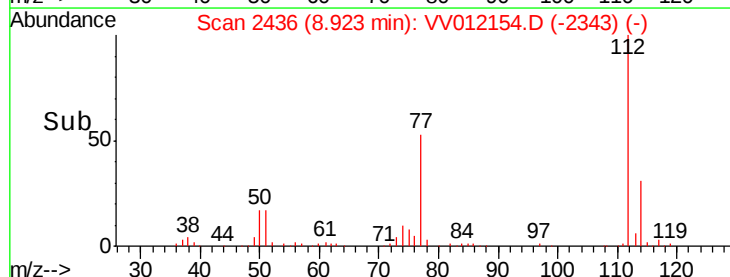
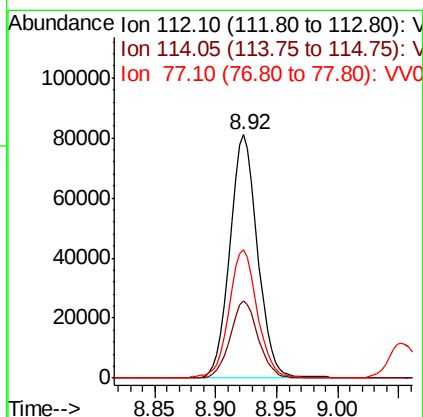
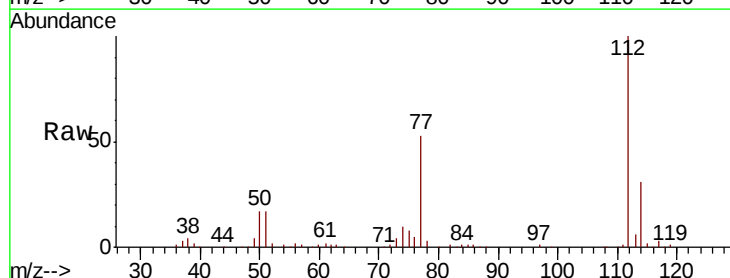
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

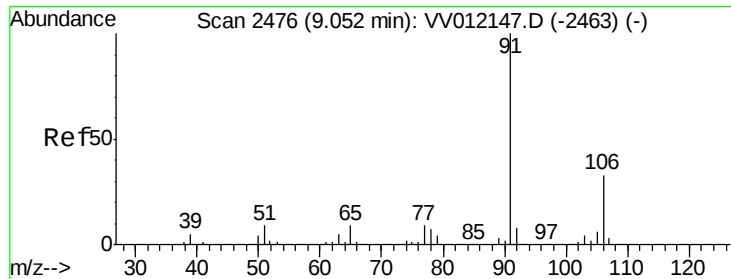
Tgt Ion:107 Resp: 30099
Ion Ratio Lower Upper
107 100
109 93.3 65.1 120.9
188 5.1 3.5 5.3



#51
Chlorobenzene
Concen: 5.479 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

Tgt Ion:112 Resp: 128836
Ion Ratio Lower Upper
112 100
114 31.5 23.0 42.8
77 52.6 41.8 62.8





#52

Ethylbenzene

Concen: 5.530 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

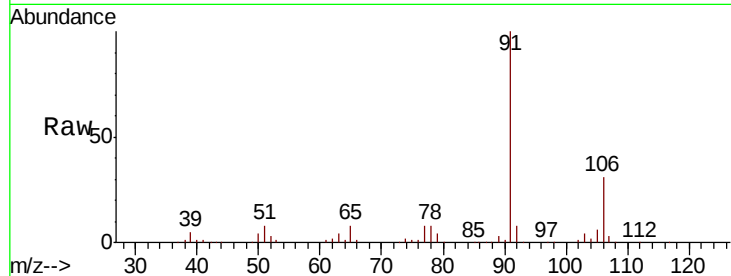
VSTD00537

Tgt Ion: 91 Resp: 216508

Ion Ratio Lower Upper

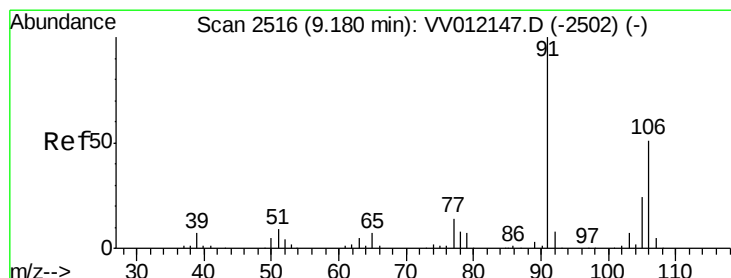
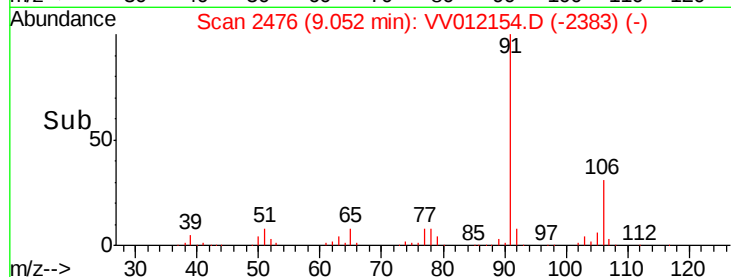
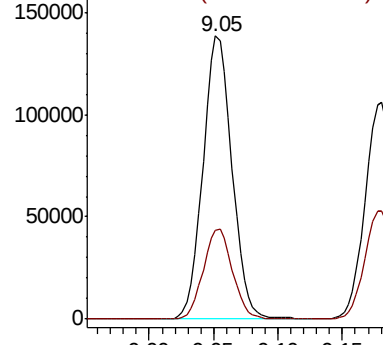
91 100

106 31.5 23.7 43.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.640 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012154.D

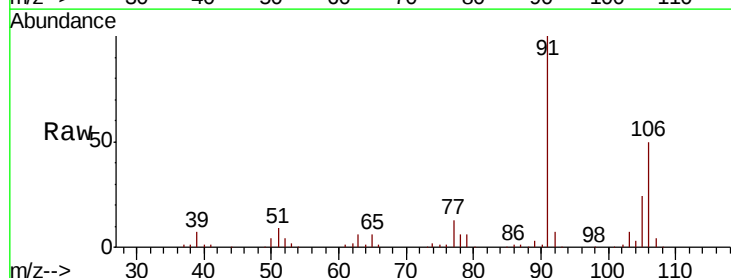
Acq: 09 Aug 2019 15:36

Tgt Ion: 106 Resp: 86336

Ion Ratio Lower Upper

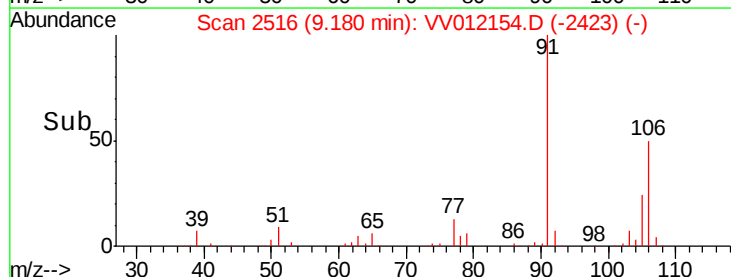
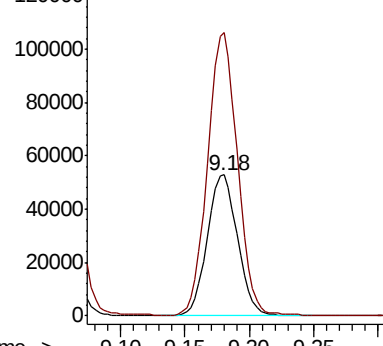
106 100

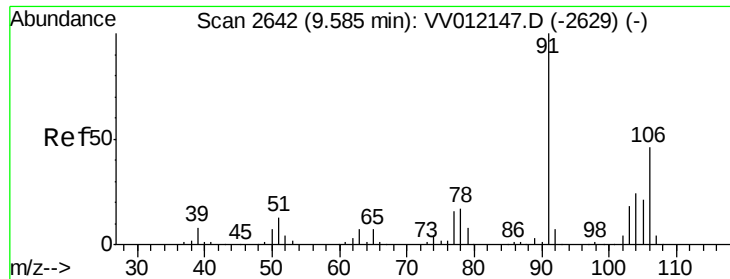
91 200.8 142.2 264.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

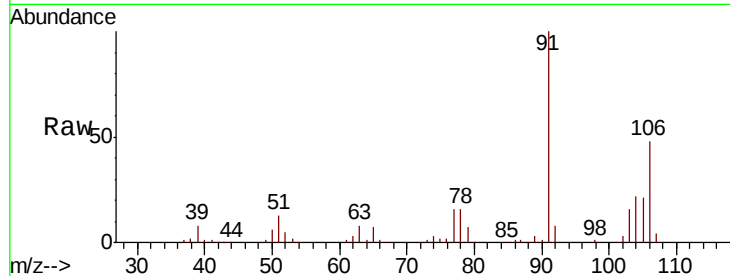




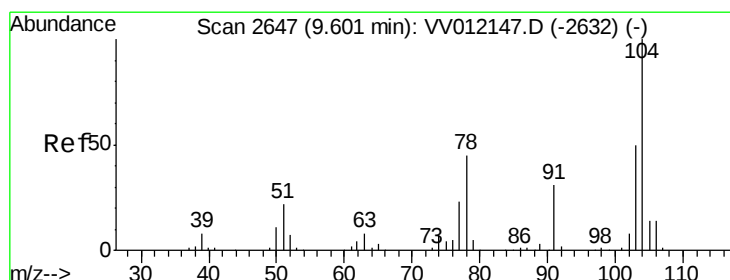
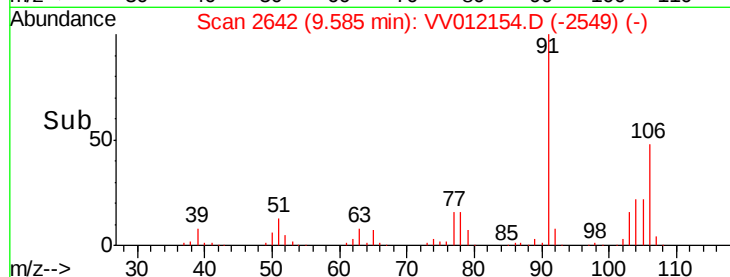
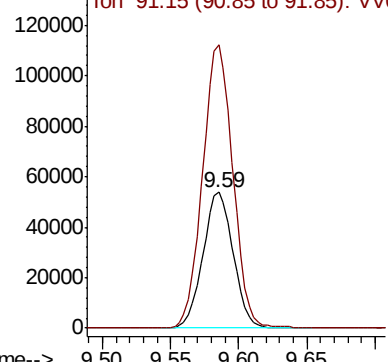
#54
o-xylene
Concen: 5.574 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Tgt Ion:106 Resp: 82659
Ion Ratio Lower Upper
106 100
91 208.3 150.8 280.1

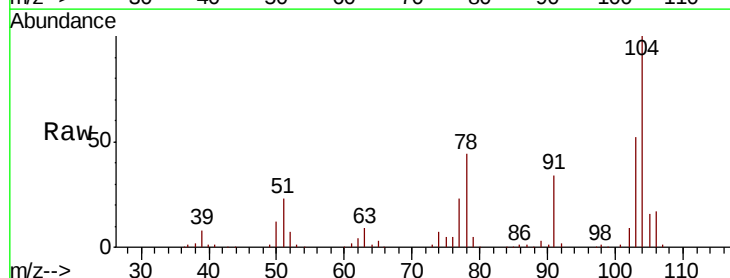


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

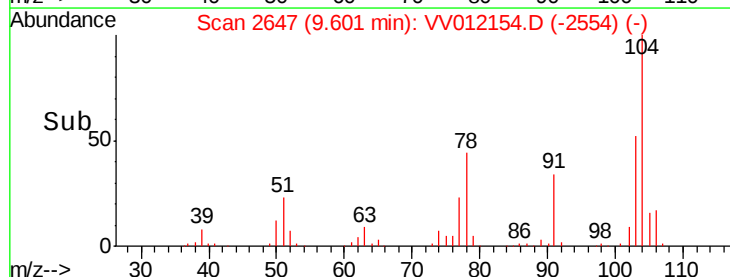
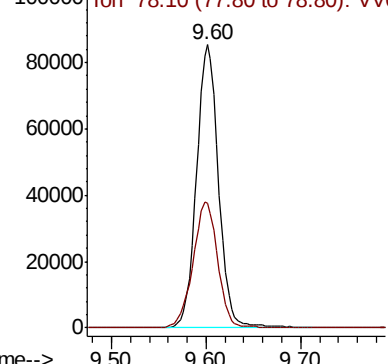


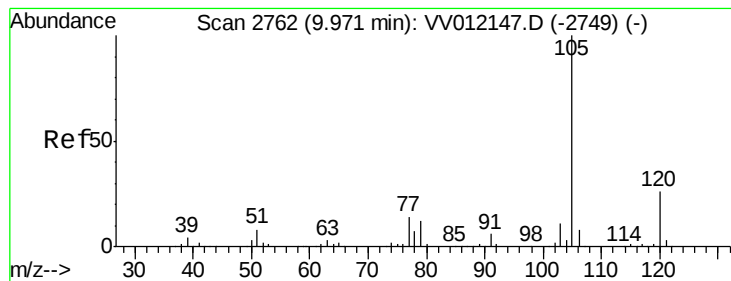
#55
Styrene
Concen: 5.590 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012154.D
Acq: 09 Aug 2019 15:36

Tgt Ion:104 Resp: 137891
Ion Ratio Lower Upper
104 100
78 43.9 31.5 58.5



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





#56

Isopropylbenzene

Concen: 5.466 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

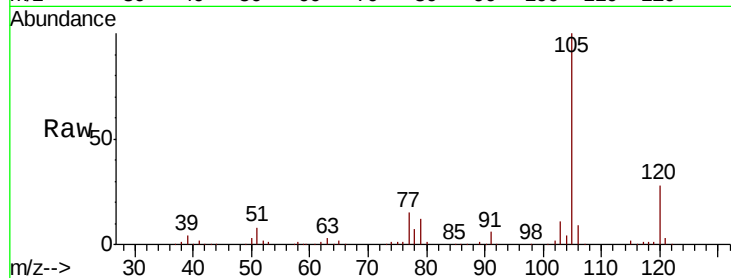
Tgt Ion: 105 Resp: 224699

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

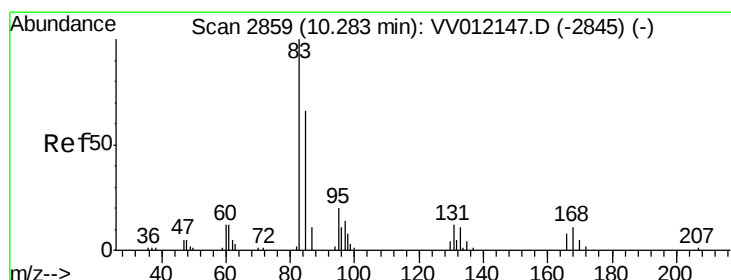
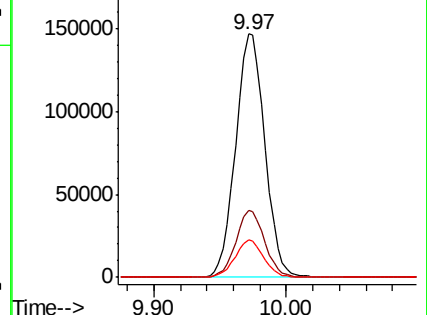
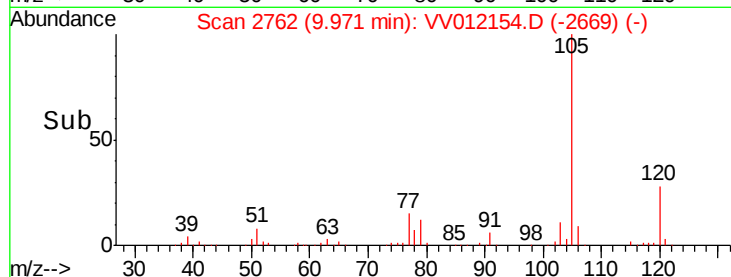
77 15.1 11.7 17.5



Abundance Ion 105.05 (104.75 to 105.75): VV012154.D (-2669) (-)

Ion 120.10 (119.80 to 120.80): VV012154.D (-2669) (-)

Ion 77.10 (76.80 to 77.80): VV012154.D (-2669) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.598 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

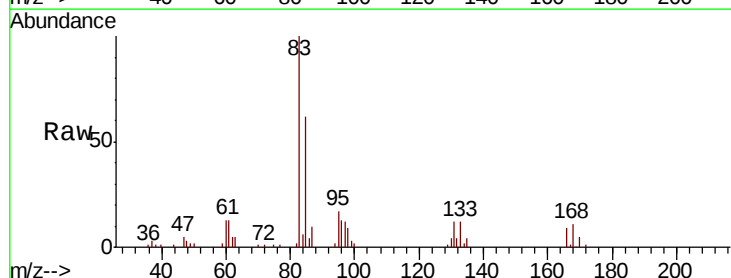
Tgt Ion: 83 Resp: 34146

Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.9

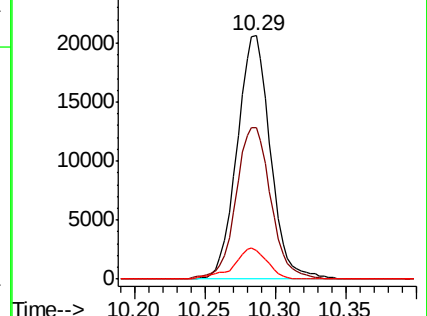
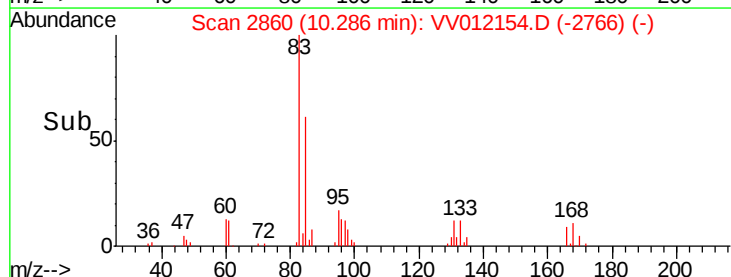
131 12.0 11.1 16.7

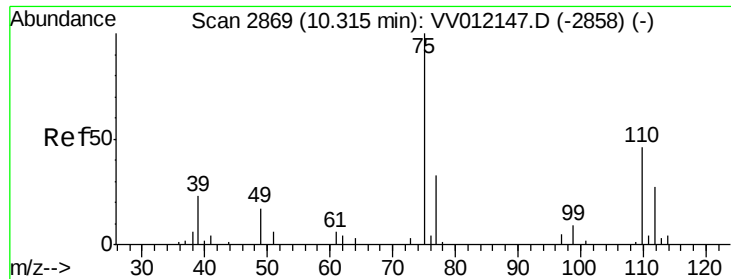


Abundance Ion 82.95 (82.65 to 83.65): VV012154.D (-2766) (-)

Ion 85.00 (84.70 to 85.70): VV012154.D (-2766) (-)

Ion 130.95 (130.65 to 131.65): VV012154.D (-2766) (-)

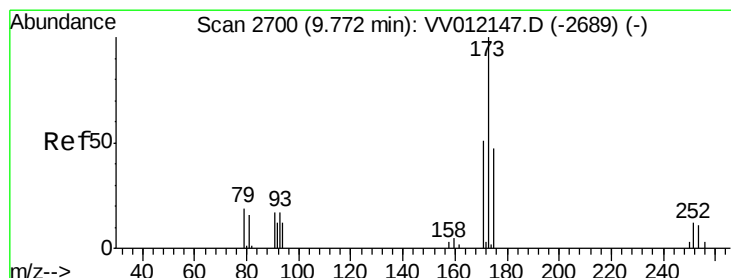
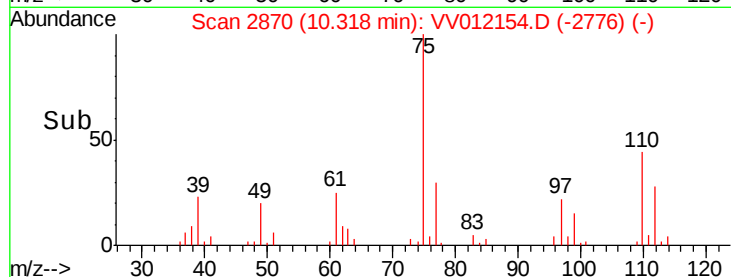
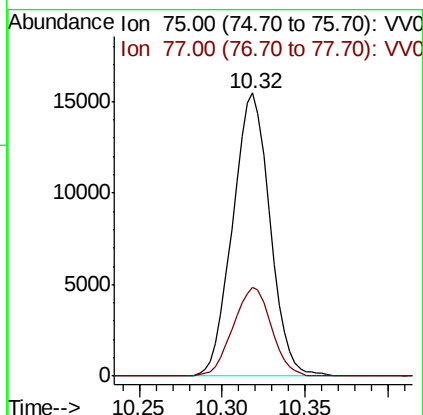
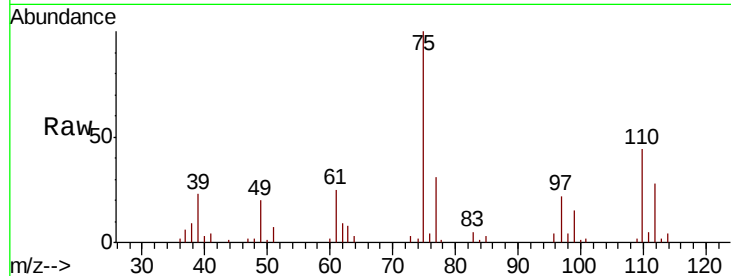




#59
 1,2,3-Trichloropropane
 Concen: 5.182 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

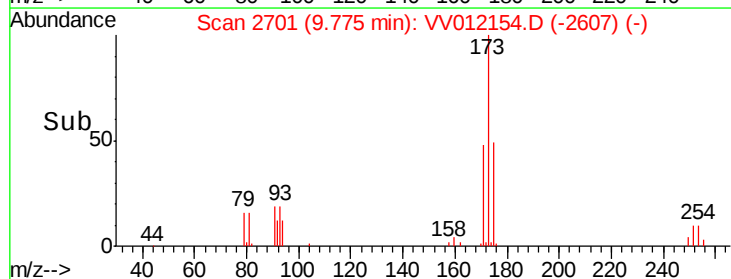
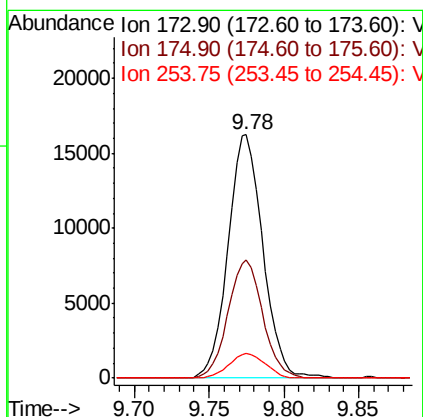
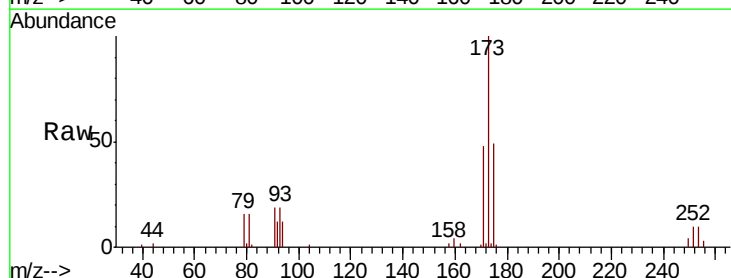
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

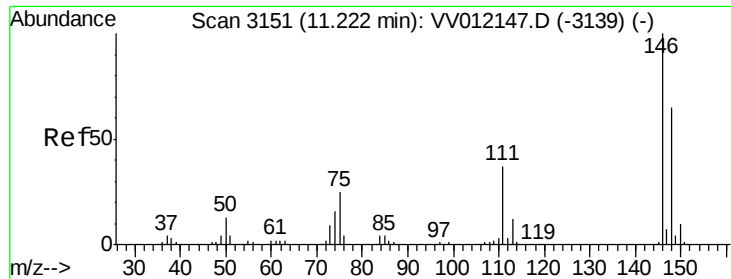
Tgt Ion: 75 Resp: 24184
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6



#61
 Bromoform
 Concen: 4.926 ug/L
 RT: 9.78 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion: 173 Resp: 26296
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.6
 254 10.4 8.4 12.6

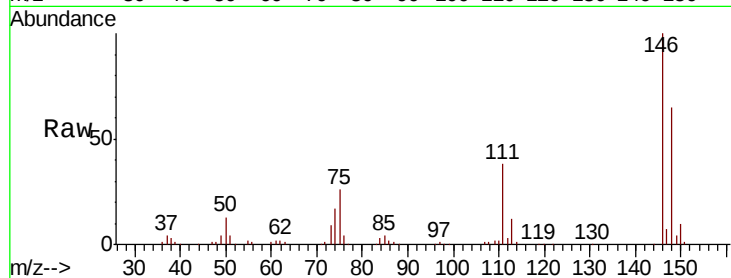




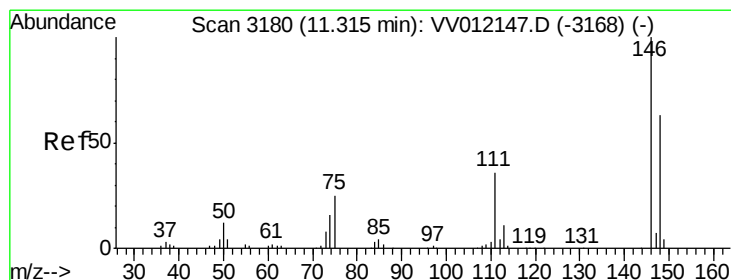
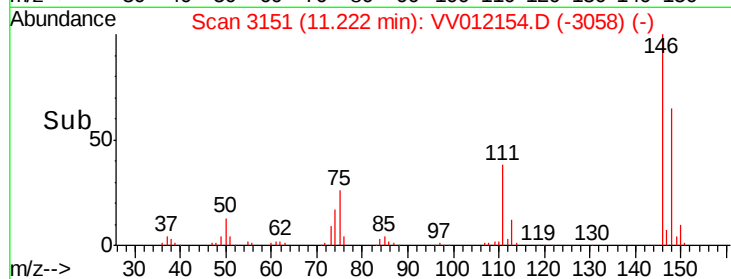
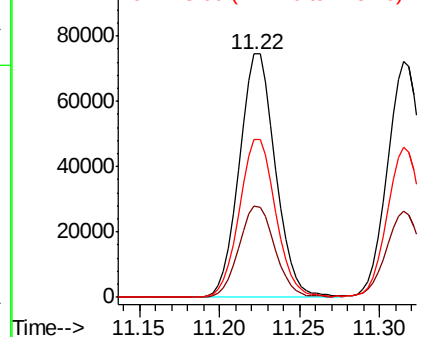
#62
 1,3-Dichlorobenzene
 Concen: 5.394 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.9	49.9
148	64.7	44.6	82.8

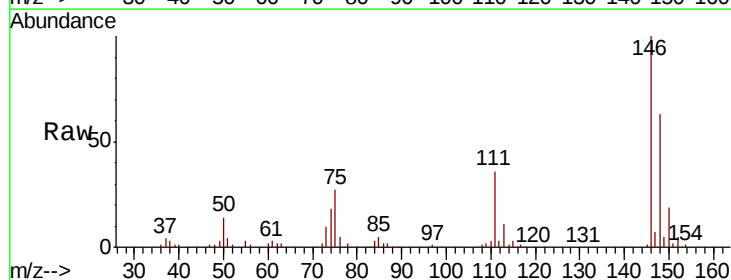


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

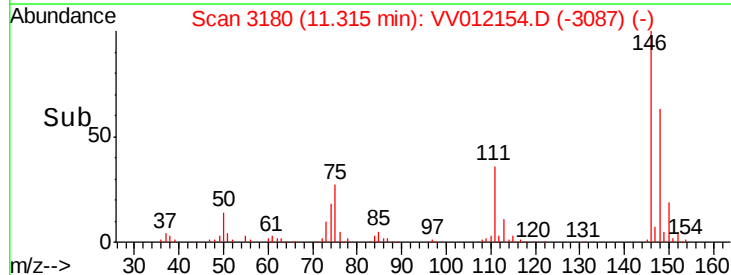
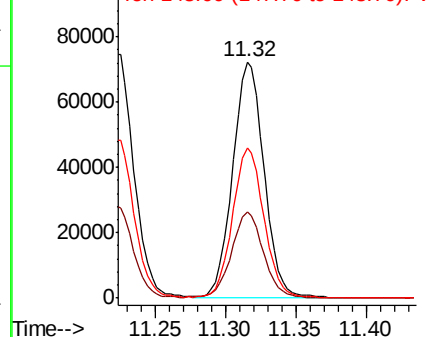


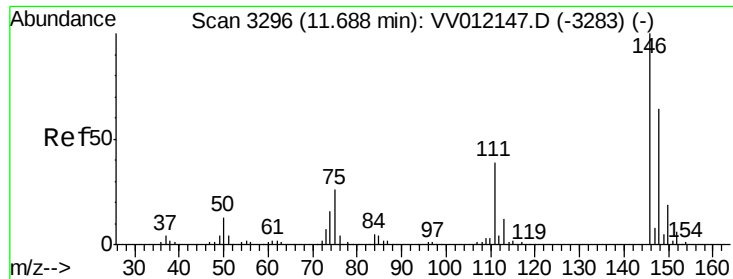
#63
 1,4-Dichlorobenzene
 Concen: 5.320 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	23.7	43.9
148	63.2	43.9	81.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.333 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

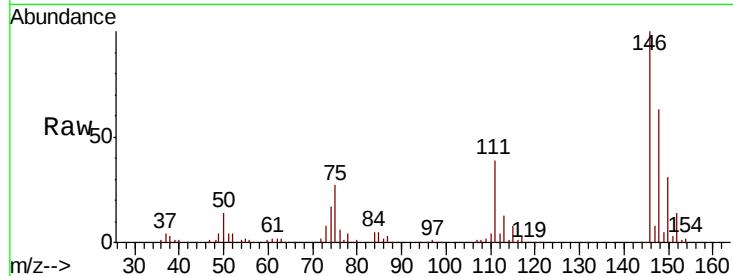
Tgt Ion:146 Resp: 104772

Ion Ratio Lower Upper

146 100

111 39.4 30.6 45.8

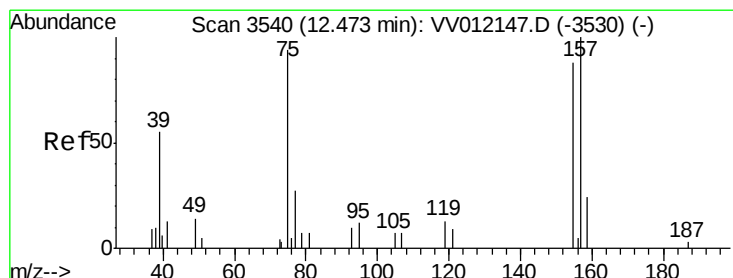
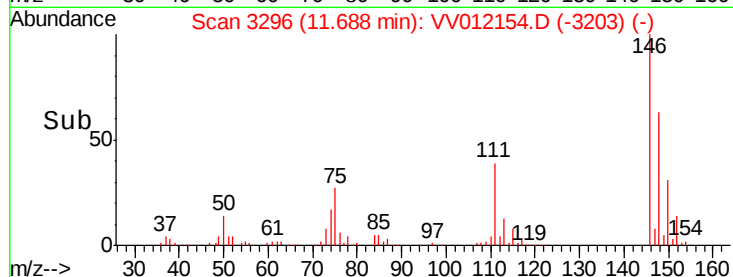
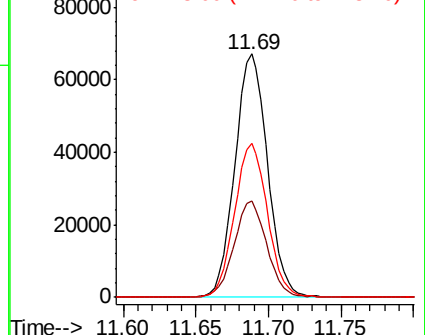
148 63.1 51.6 77.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.818 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

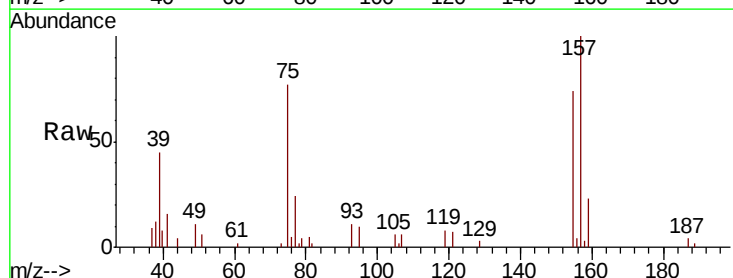
Tgt Ion: 75 Resp: 6138

Ion Ratio Lower Upper

75 100

155 95.1 75.2 112.8

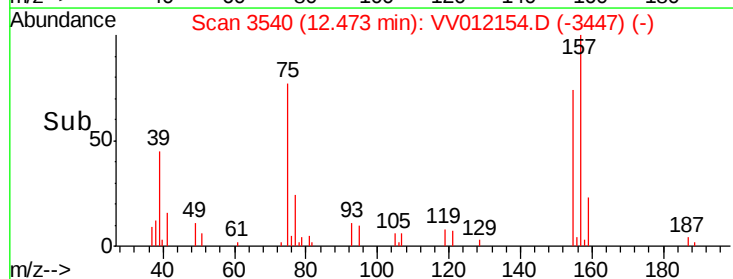
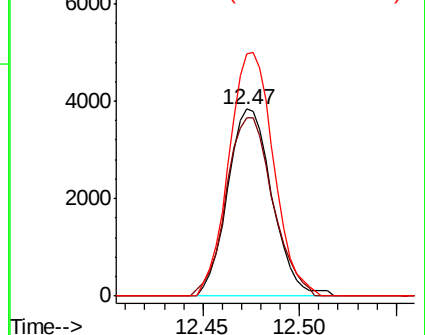
157 129.3 96.7 145.1

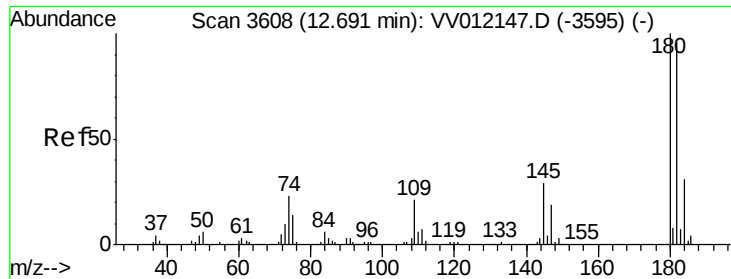


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

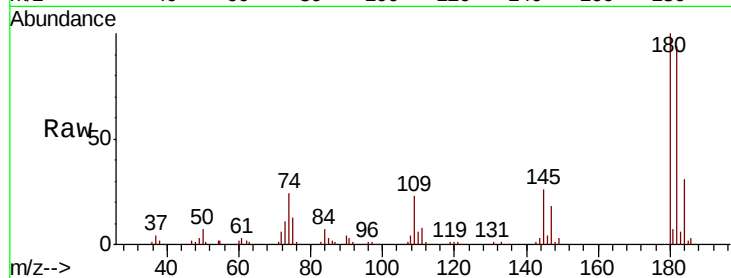




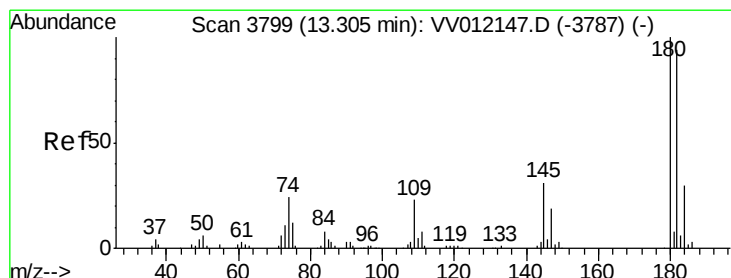
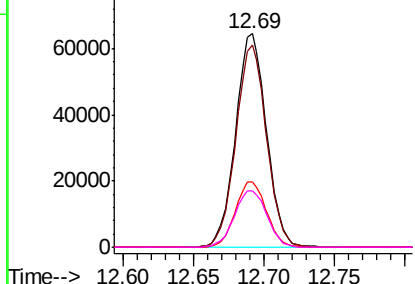
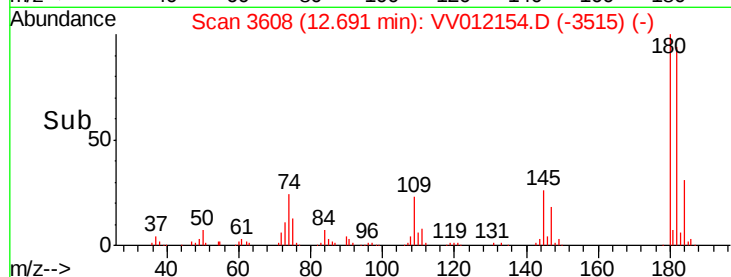
#67
 1,3,5-Trichlorobenzene
 Concen: 5.455 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
184	30.8	25.0	37.4
145	27.8	23.4	35.2

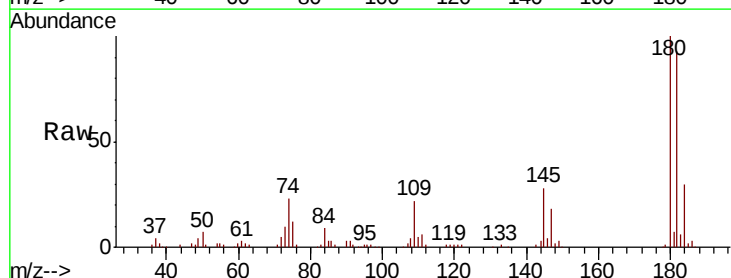


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

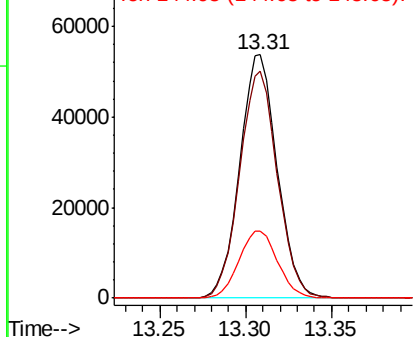
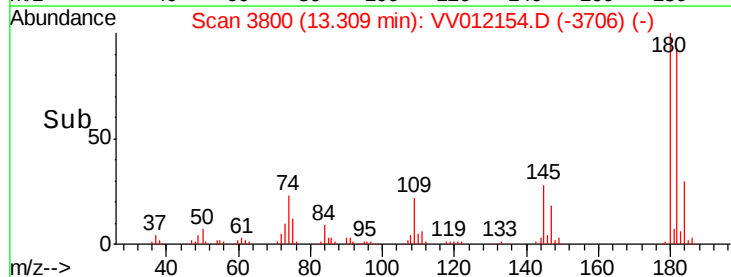


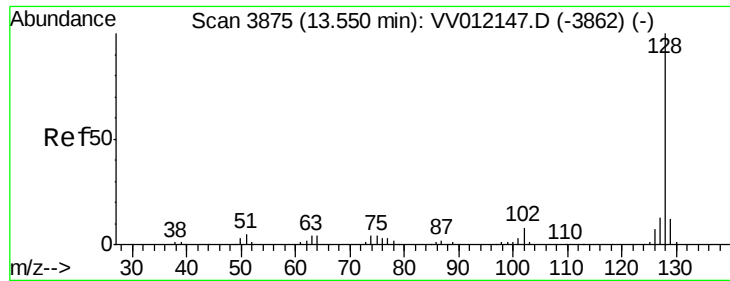
#68
 1,2,4-trichlorobenzene
 Concen: 5.385 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012154.D
 Acq: 09 Aug 2019 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.6	115.0
145	28.5	23.4	35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.650 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

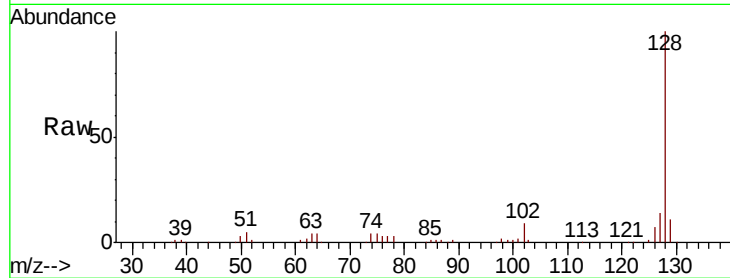
Tgt Ion:128 Resp: 113714

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

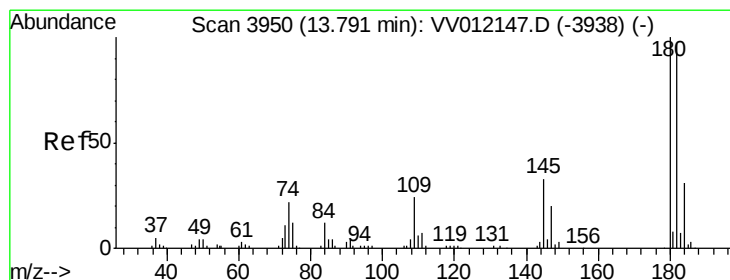
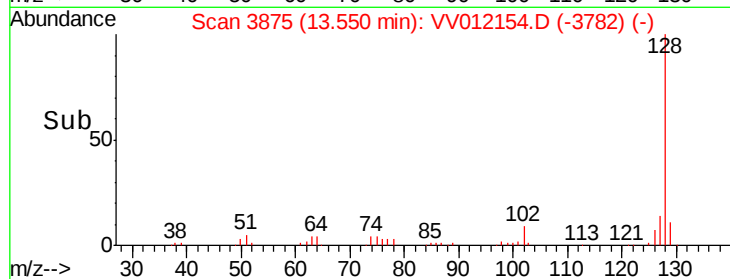
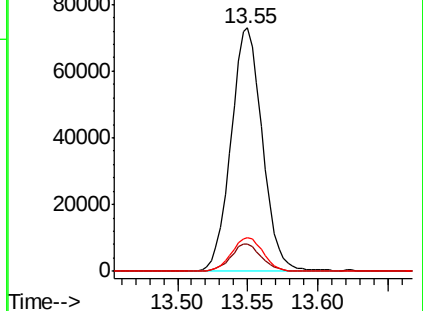
127 13.8 10.6 15.8



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: 5.173 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012154.D

Acq: 09 Aug 2019 15:36

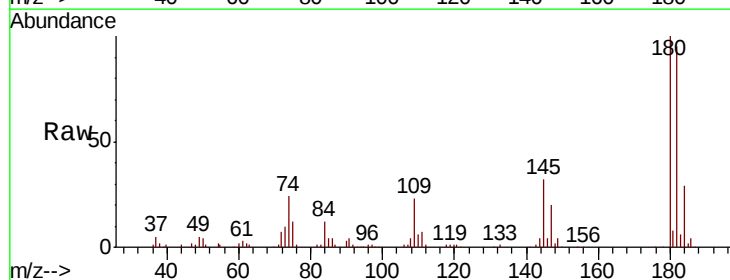
Tgt Ion:180 Resp: 74148

Ion Ratio Lower Upper

180 100

182 93.8 77.9 116.9

145 30.7 24.9 37.3



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

