

Data File : VV011263.D
Acq On : 07 Jun 2019 00:13
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Quant Time: Jun 07 01:34:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 01:28:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	154232	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	68673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50685	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.56	69	42530	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.12	63	110140	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.94	46	159317	60.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.10%
24) Chloroform-d	4.40	84	104228	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.08	65	58076	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.09	84	202625	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.12	67	62392	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.36	98	187931	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.66	79	22247	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.13	63	129259	59.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49670	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	68470	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	74879	4.923	ug/L 97
3) Chloromethane	1.25	50	71168	4.839	ug/L 99
5) Vinyl chloride	1.32	62	71842	5.063	ug/L 95
6) Bromomethane	1.51	94	31058	4.207	ug/L 97
8) Chloroethane	1.58	64	42485	4.685	ug/L 97
9) Trichlorofluoromethane	1.76	101	99233	5.094	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	50680	5.069	ug/L 97
12) 1,1-Dichloroethene	2.13	96	47700	4.909	ug/L 97
13) Acetone	2.19	43	102280	57.979	ug/L 99
14) Carbon disulfide	2.31	76	133747	4.537	ug/L 100
15) Methyl Acetate	2.46	43	25442	5.430	ug/L 97
16) Methylene chloride	2.53	84	50954	5.089	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	133904	5.162	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	52626	4.837	ug/L 100
19) 1,1-Dichloroethane	3.22	63	103250	4.811	ug/L 98
21) 2-Butanone	4.03	43	161095	59.298	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	58965	4.894	ug/L 95

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Quant Time: Jun 07 01:34:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 01:28:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22608	4.895	ug/L	93
25) Chloroform	4.42	83	103764	4.682	ug/L	99
27) 1,2-Dichloroethane	5.18	62	70552	5.209	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	88099	4.754	ug/L	99
30) Cyclohexane	4.72	56	95895	4.667	ug/L	98
31) Carbon tetrachloride	4.87	117	73818	4.766	ug/L	98
33) Benzene	5.14	78	223103	4.826	ug/L	100
34) Trichloroethene	5.96	95	63636	5.328	ug/L	95
35) Methylcyclohexane	6.17	83	95415	4.831	ug/L	98
37) 1,2-Dichloropropane	6.22	63	55403	4.815	ug/L	100
38) Bromodichloromethane	6.55	83	68520	4.817	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	74246	4.410	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	407575	55.625	ug/L	100
42) Toluene	7.43	91	242938	4.930	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	58954	4.606	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	38402	5.214	ug/L	96
47) Tetrachloroethene	8.02	164	42198	4.889	ug/L	96
48) 2-Hexanone	8.18	43	296258	57.974	ug/L	97
49) Dibromochloromethane	8.29	129	40661	4.860	ug/L	100
50) 1,2-Dibromoethane	8.40	107	35294	5.041	ug/L	94
51) Chlorobenzene	8.92	112	149375	4.971	ug/L	99
52) Ethylbenzene	9.05	91	274644	5.019	ug/L	98
53) m,p-xylene	9.18	106	103594	5.119	ug/L	99
54) o-xylene	9.59	106	100267	5.049	ug/L	96
55) Styrene	9.60	104	168146	5.199	ug/L	97
56) Isopropylbenzene	9.97	105	271731	5.084	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	46893	5.252	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	35533	5.295	ug/L	98
61) Bromoform	9.77	173	18823	4.563	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	111735	4.920	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	112786	5.116	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	108456	5.167	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	7127	4.738	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	81745	5.004	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	66036	5.324	ug/L	96
69) Naphthalene	13.55	128	119266	5.875	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	63132	5.676	ug/L	97

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

Data File : VV011263.D

Acq On : 07 Jun 2019 00:13

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25ML/MSV0A_V/WATER

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

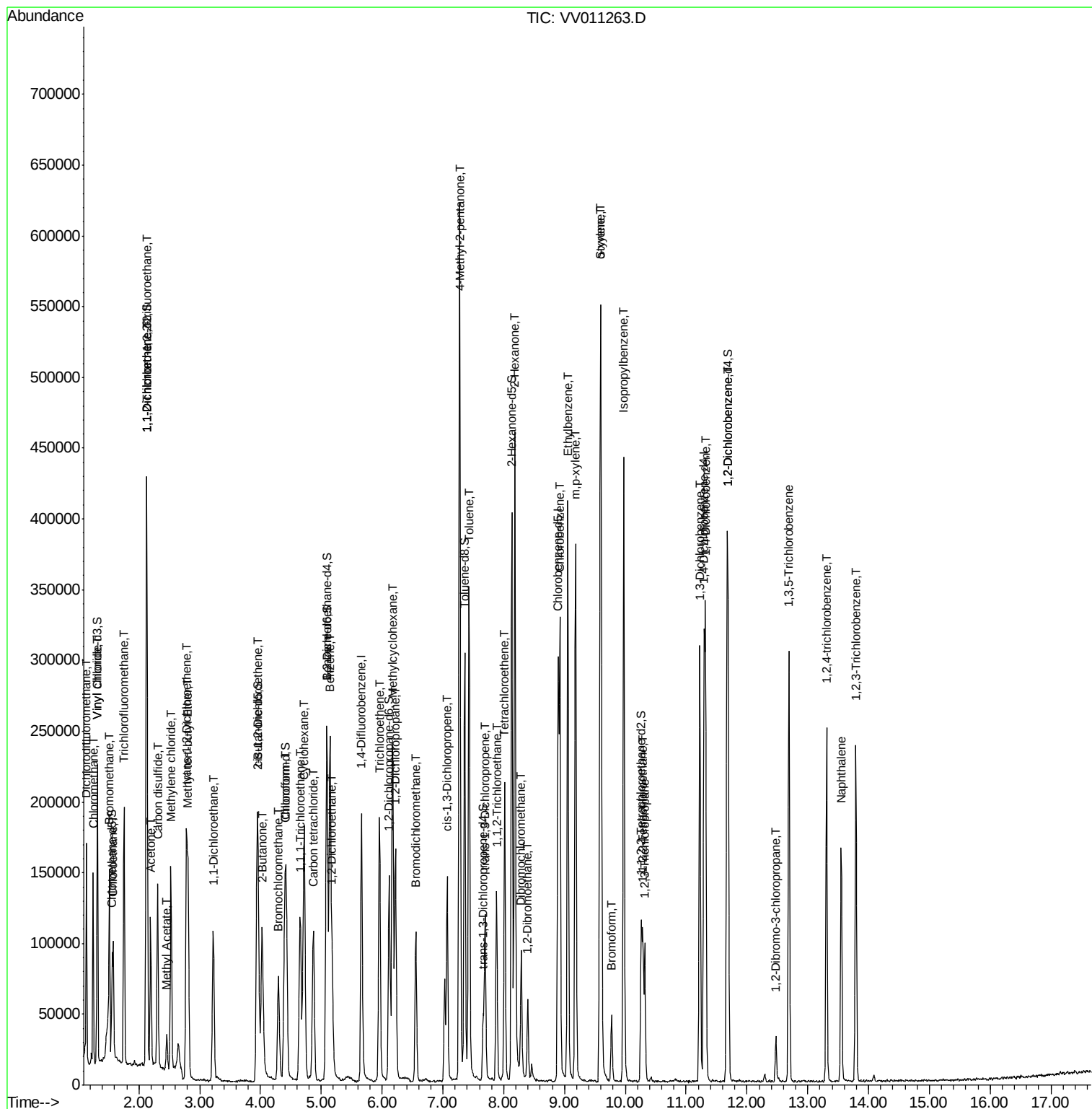
Quant Time: Jun 07 01:34:33 2019

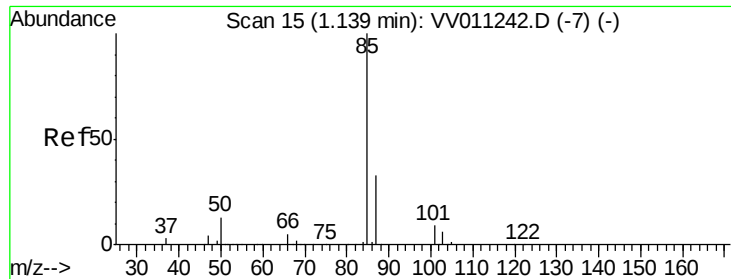
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 07 01:28:31 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.923 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

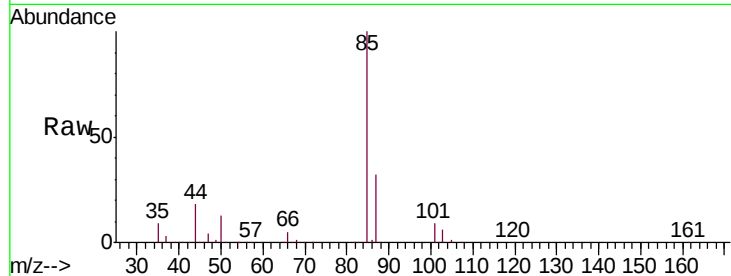
VSTD00532

Tgt Ion: 85 Resp: 74879

Ion Ratio Lower Upper

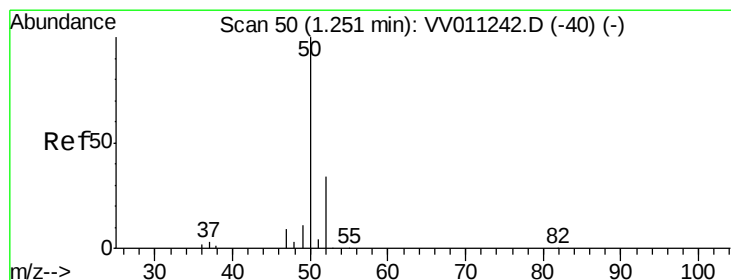
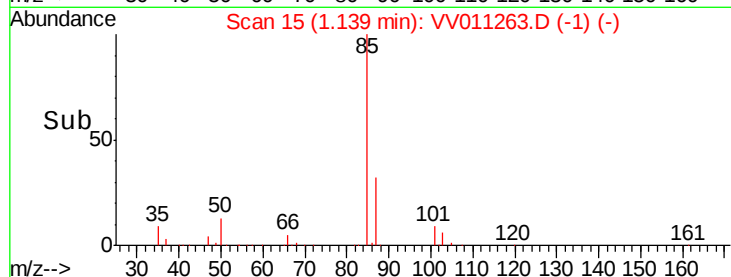
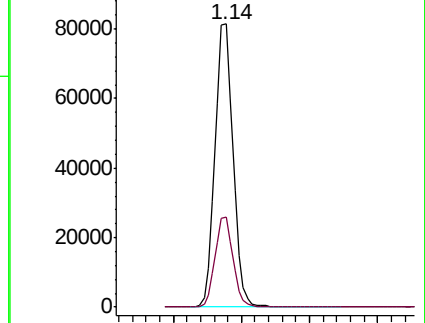
85 100

87 31.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.839 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011263.D

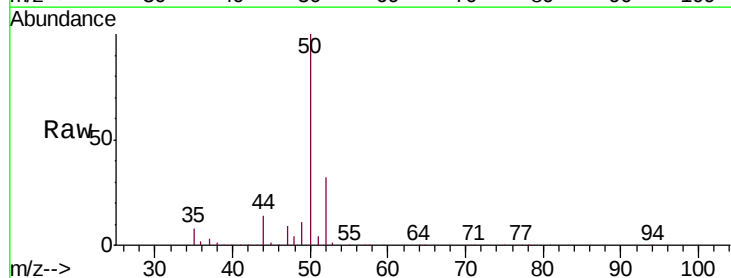
Acq: 07 Jun 2019 00:13

Tgt Ion: 50 Resp: 71168

Ion Ratio Lower Upper

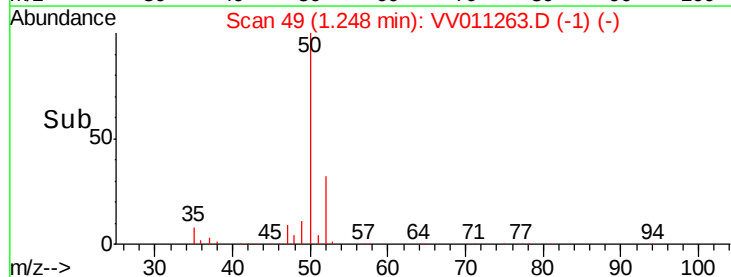
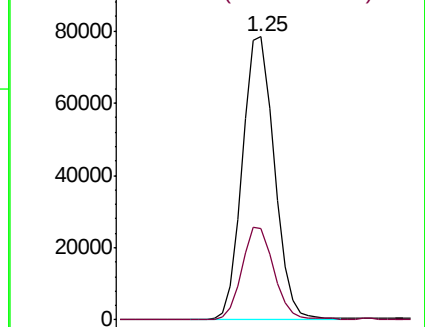
50 100

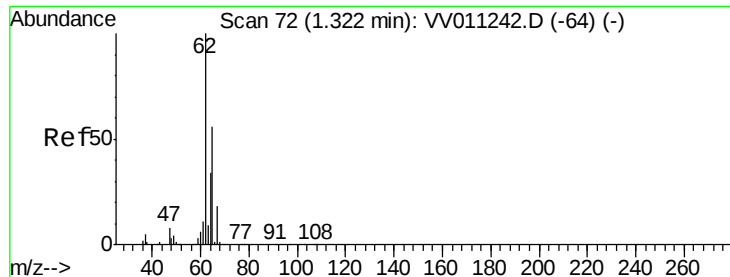
52 32.2 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.063 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

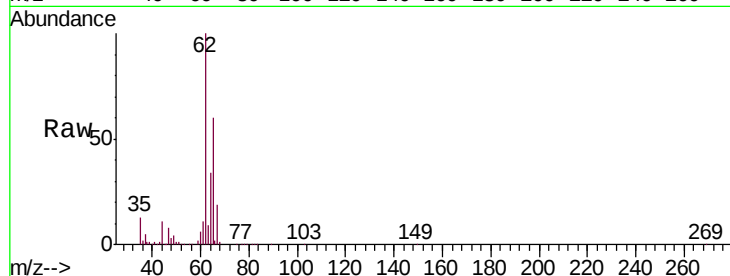
VSTD00532

Tgt Ion: 62 Resp: 71842

Ion Ratio Lower Upper

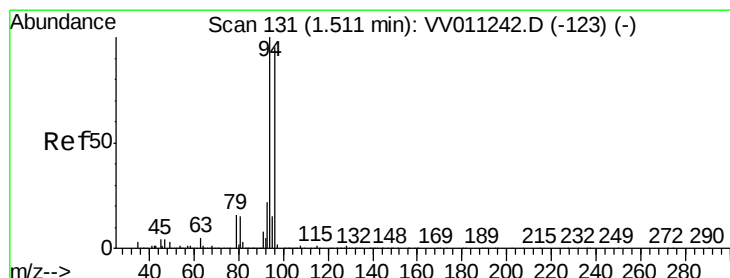
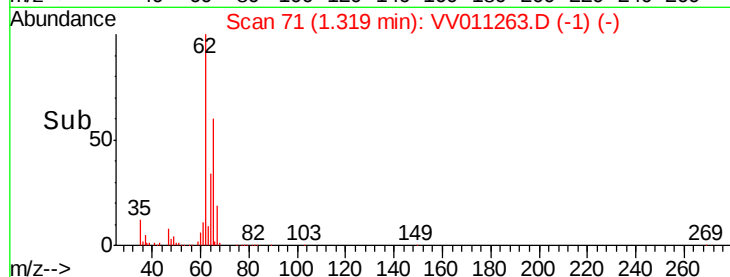
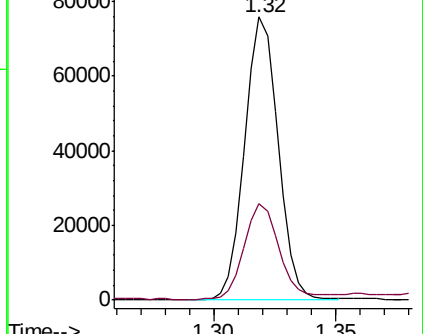
62 100

64 33.9 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.207 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV011263.D

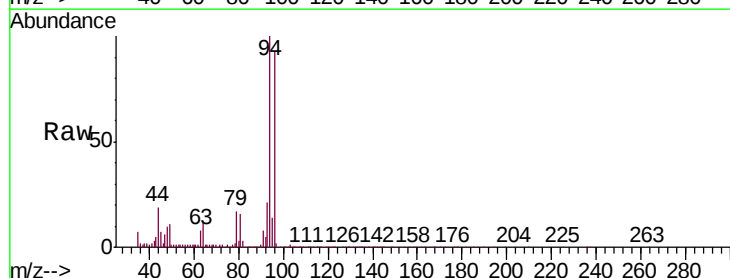
Acq: 07 Jun 2019 00:13

Tgt Ion: 94 Resp: 31058

Ion Ratio Lower Upper

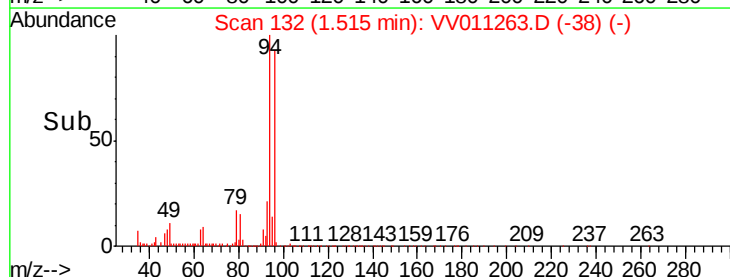
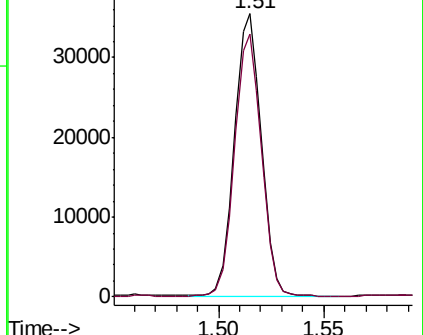
94 100

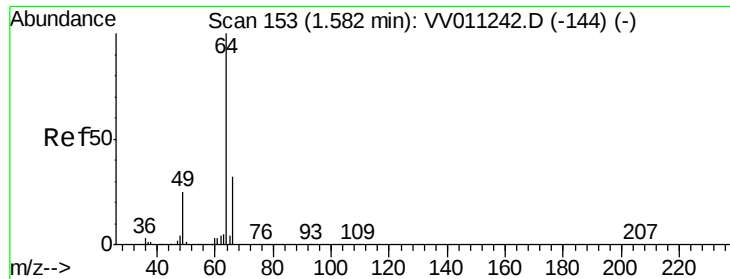
96 92.9 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.685 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

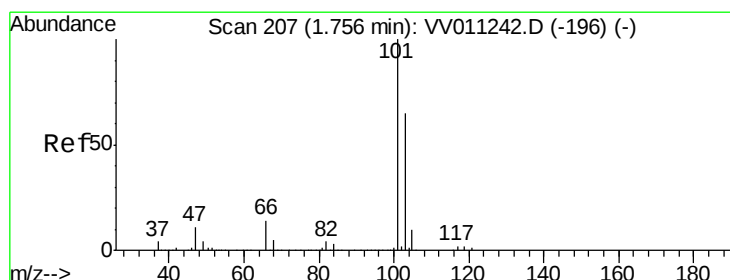
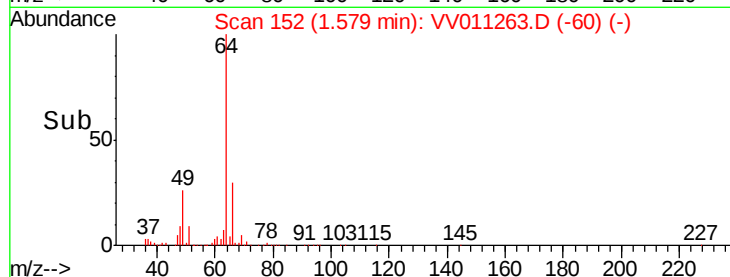
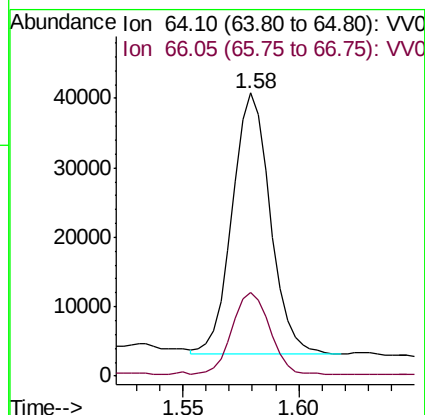
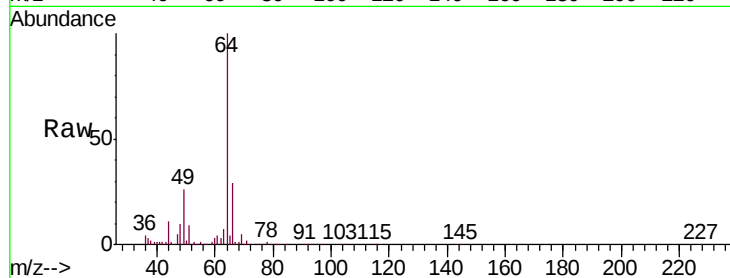
VSTD00532

Tgt Ion: 64 Resp: 42485

Ion Ratio Lower Upper

64 100

66 29.4 19.4 36.0



#9

Trichlorofluoromethane

Concen: 5.094 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV011263.D

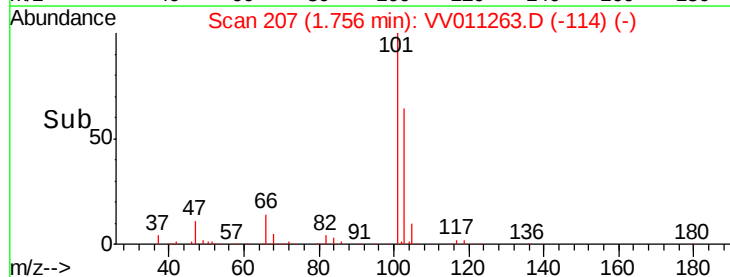
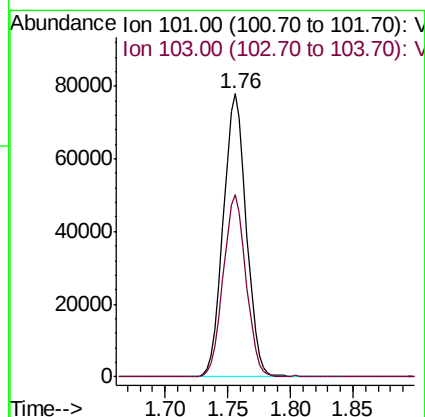
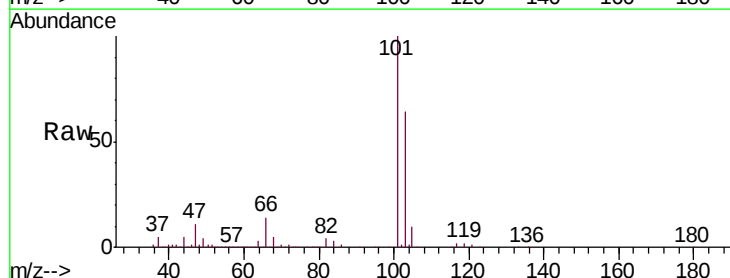
Acq: 07 Jun 2019 00:13

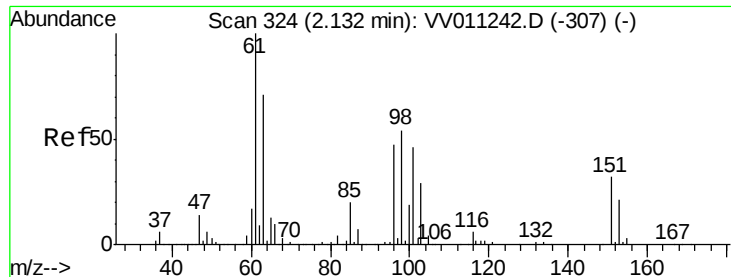
Tgt Ion: 101 Resp: 99233

Ion Ratio Lower Upper

101 100

103 63.7 50.8 76.2





#10

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

Concen: 5.069 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

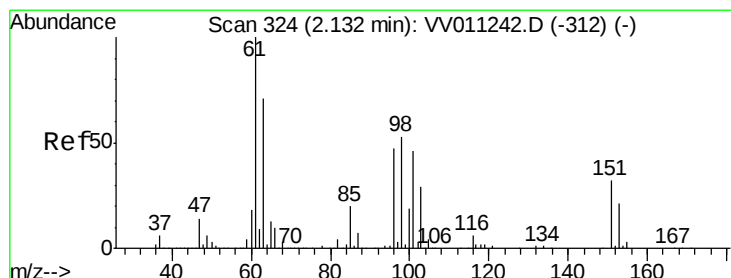
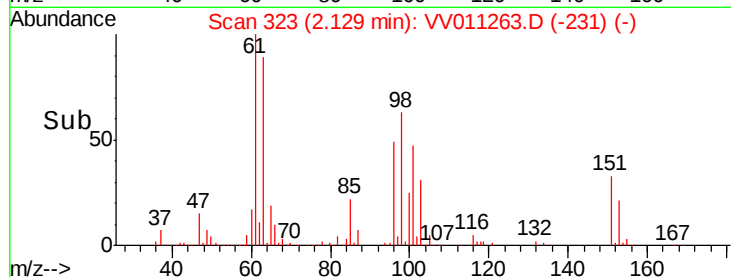
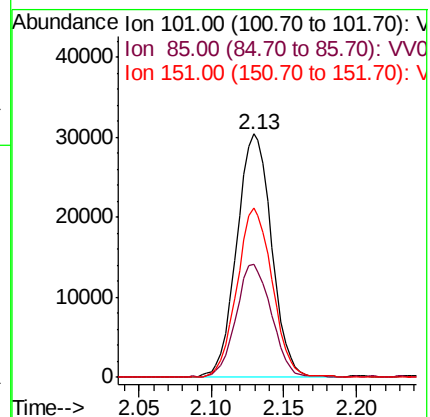
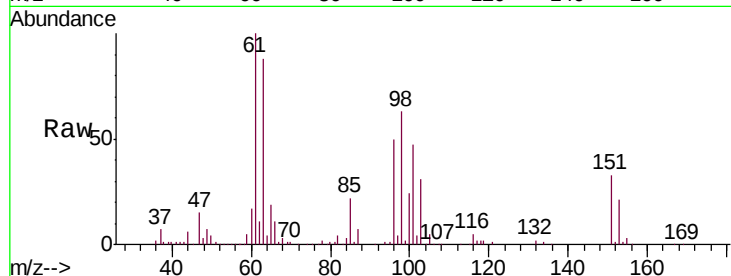
Tgt Ion:101 Resp: 50680

Ion Ratio Lower Upper

101 100

85 47.5 35.5 53.3

151 70.2 56.9 85.3



#12

1,1-Dichloroethene

Concen: 4.909 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

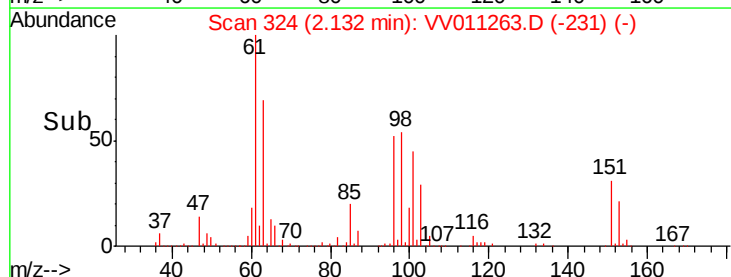
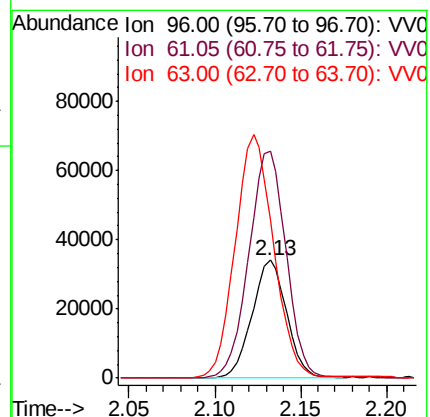
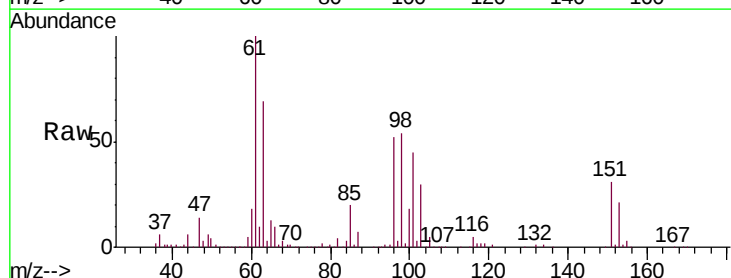
Tgt Ion: 96 Resp: 47700

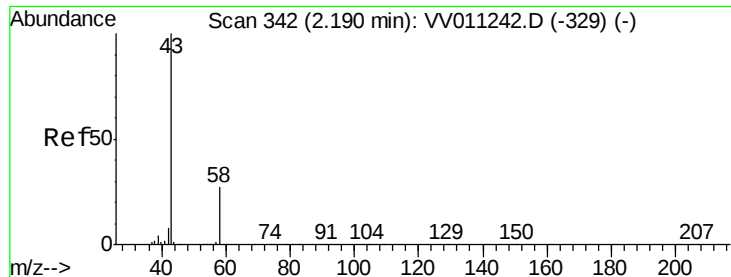
Ion Ratio Lower Upper

96 100

61 193.0 139.8 259.6

63 133.9 94.3 175.1





#13

Acetone

Concen: 57.979 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

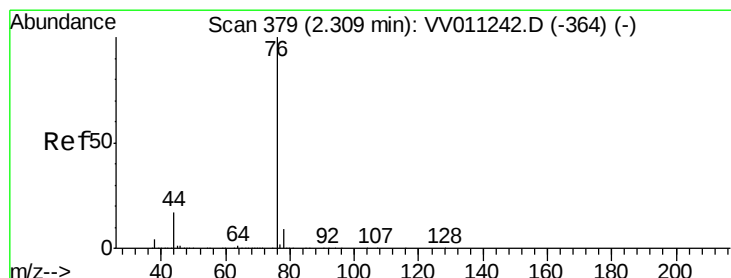
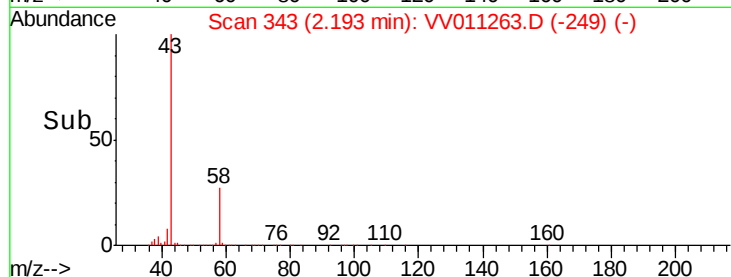
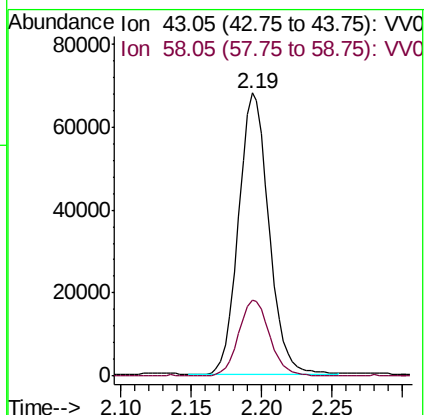
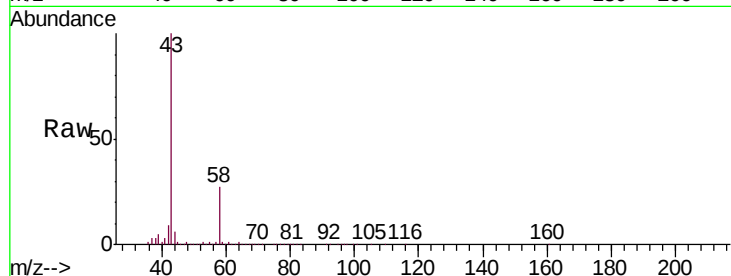
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 43 Resp: 102280

Ion Ratio Lower Upper

43 100

58 27.0 0.0 55.2



#14

Carbon disulfide

Concen: 4.537 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011263.D

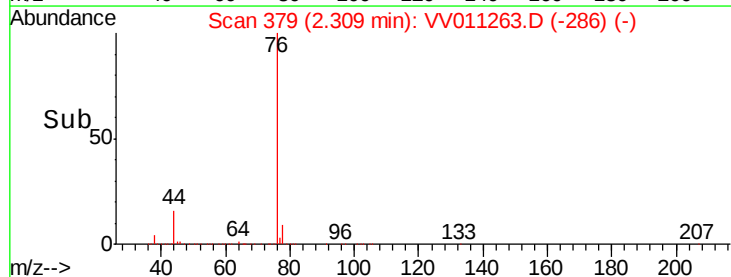
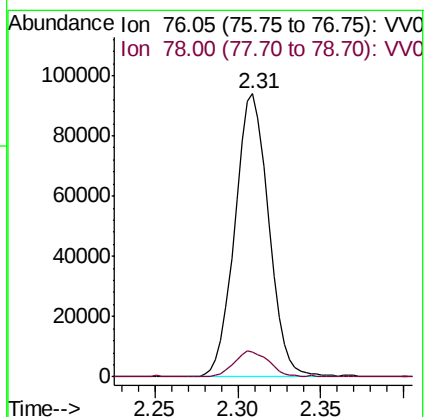
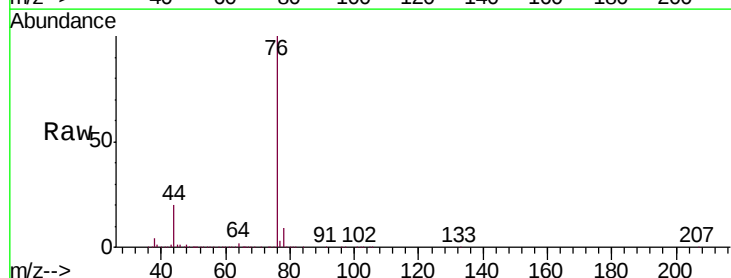
Acq: 07 Jun 2019 00:13

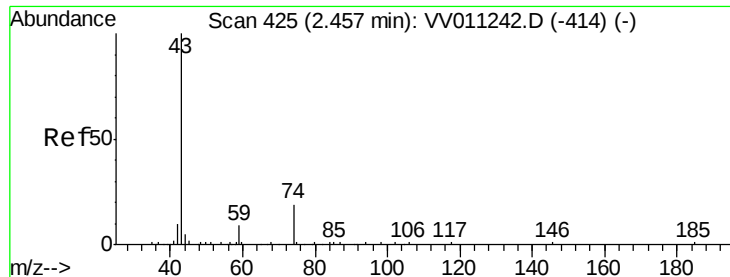
Tgt Ion: 76 Resp: 133747

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

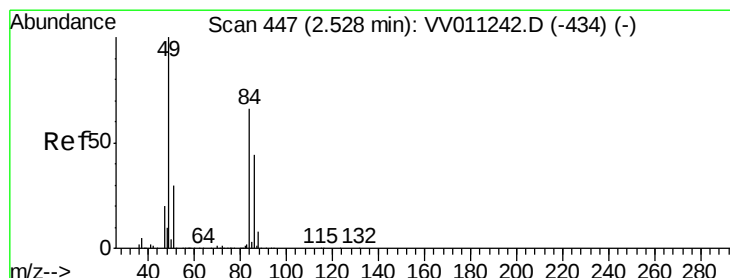
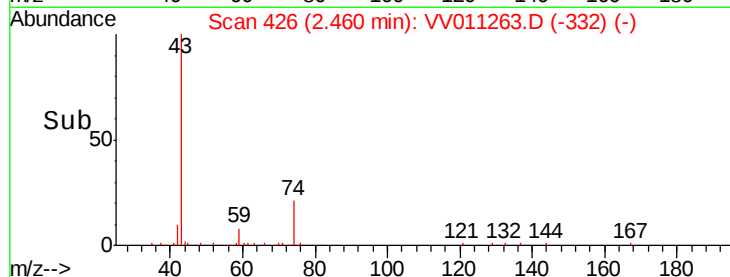
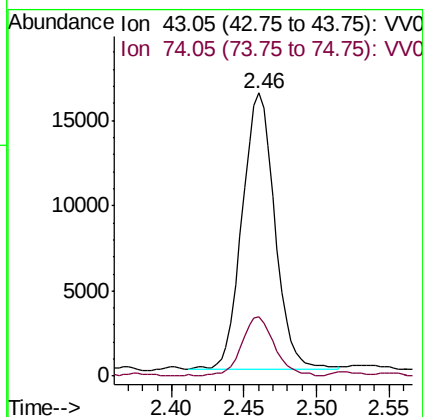
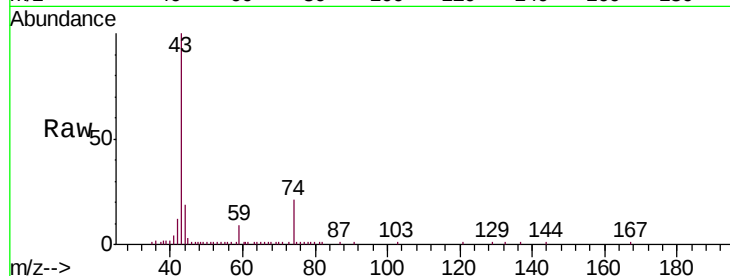




#15
Methyl Acetate
Concen: 5.430 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

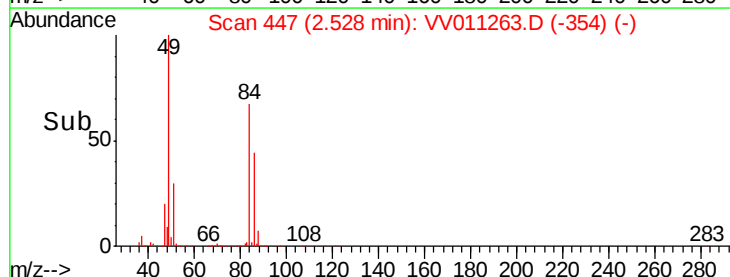
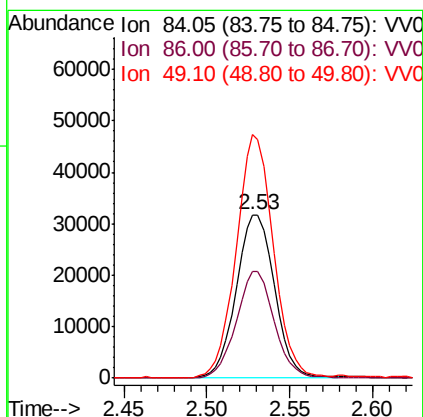
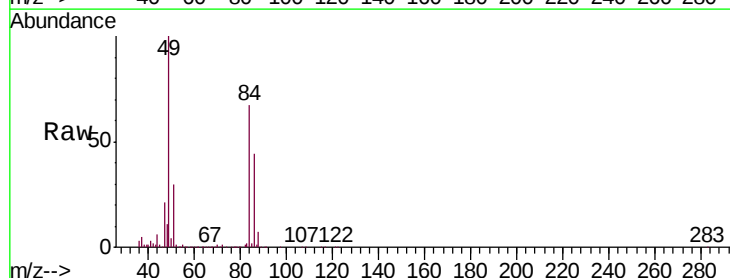
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

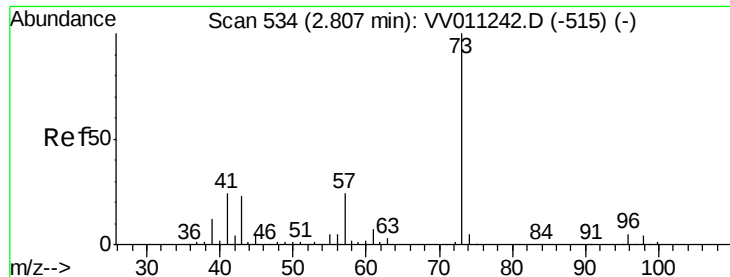
Tgt Ion: 43 Resp: 25442
Ion Ratio Lower Upper
43 100
74 21.7 18.5 27.7



#16
Methylene chloride
Concen: 5.089 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

Tgt Ion: 84 Resp: 50954
Ion Ratio Lower Upper
84 100
86 65.6 44.9 83.3
49 148.9 102.1 189.5

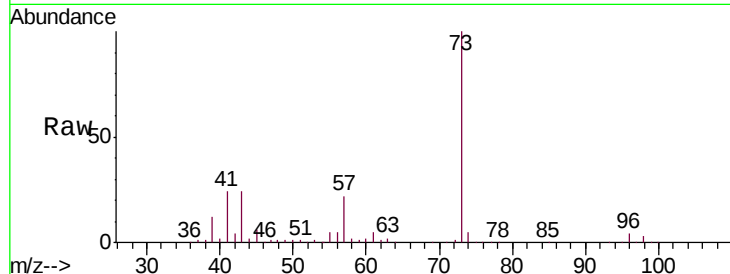




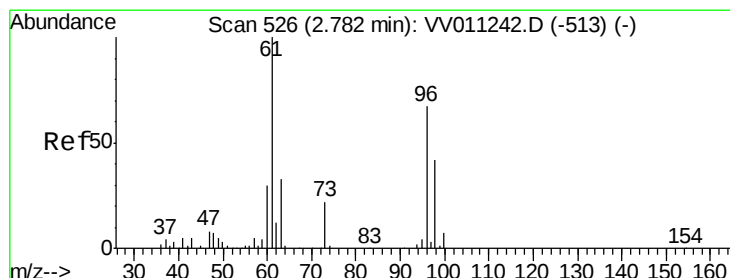
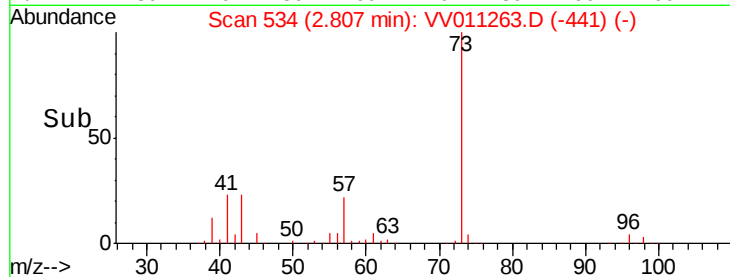
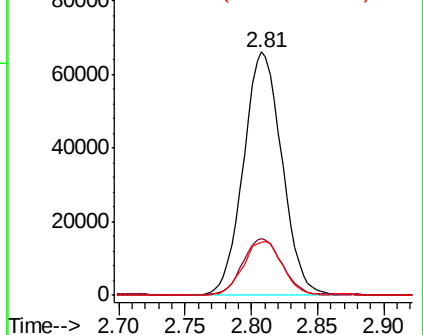
#17
Methyl tert-butyl Ether
Concen: 5.162 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 73 Resp: 133904
Ion Ratio Lower Upper
73 100
43 23.0 18.7 28.1
57 22.8 18.1 27.1

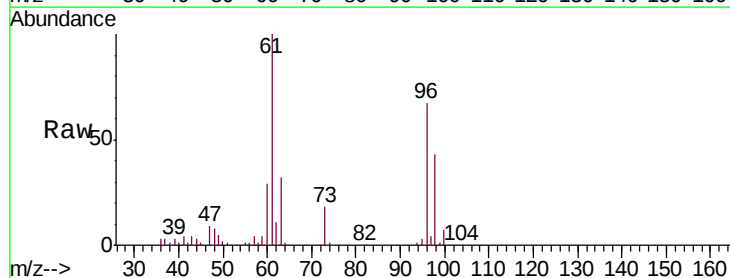


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

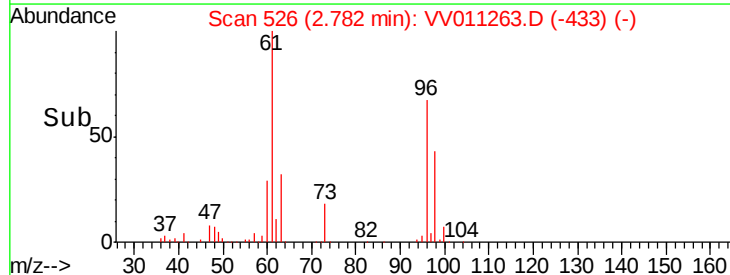
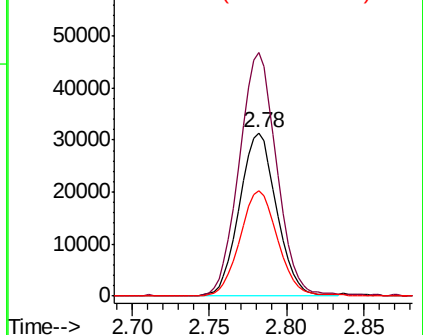


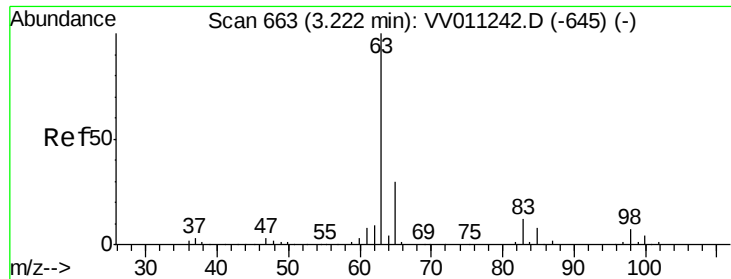
#18
trans-1,2-Dichloroethene
Concen: 4.837 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

Tgt Ion: 96 Resp: 52626
Ion Ratio Lower Upper
96 100
61 149.0 104.0 193.2
98 64.5 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

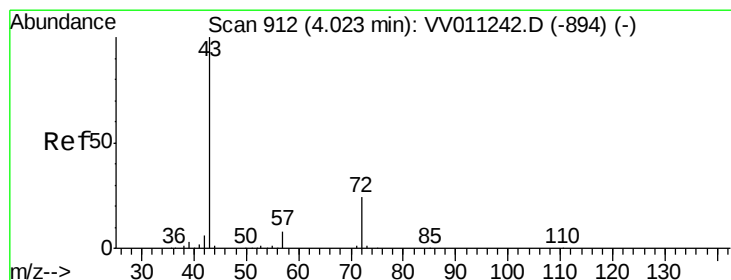
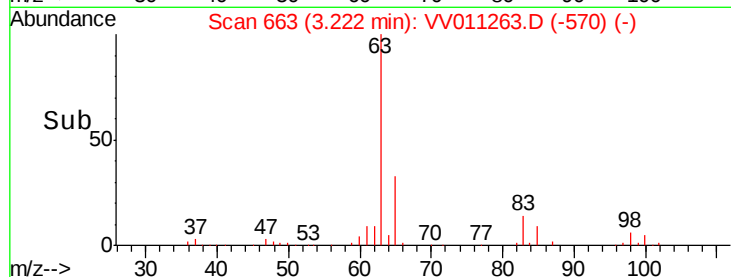
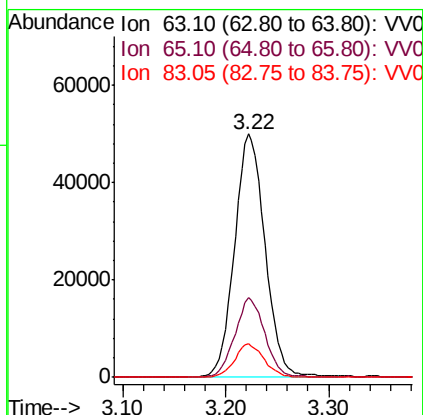
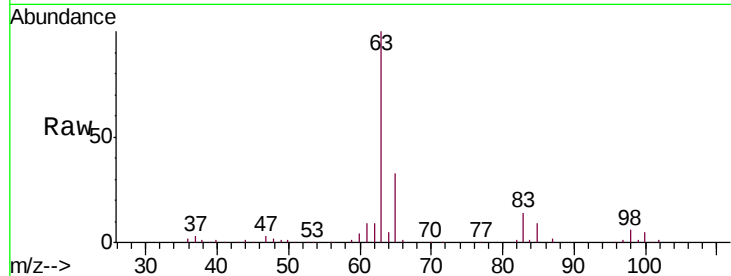




#19
 1,1-Dichloroethane
 Concen: 4.811 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

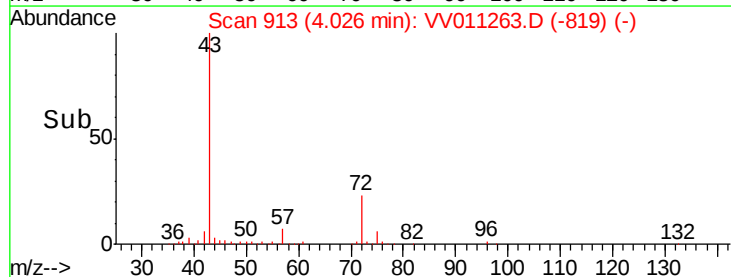
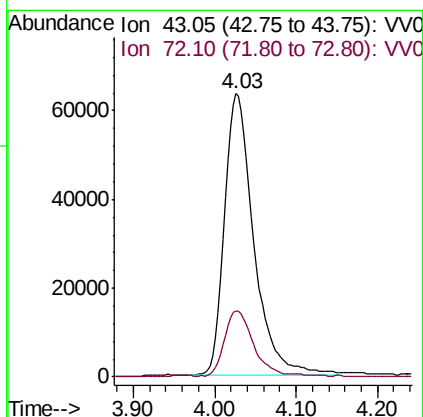
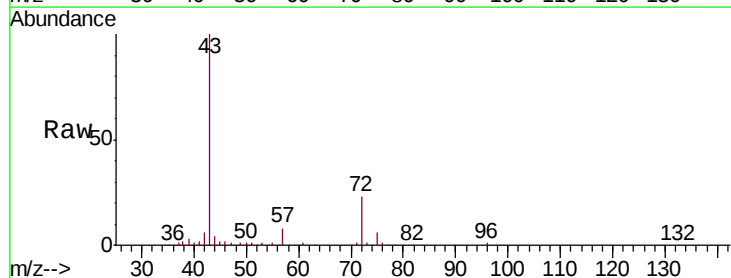
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

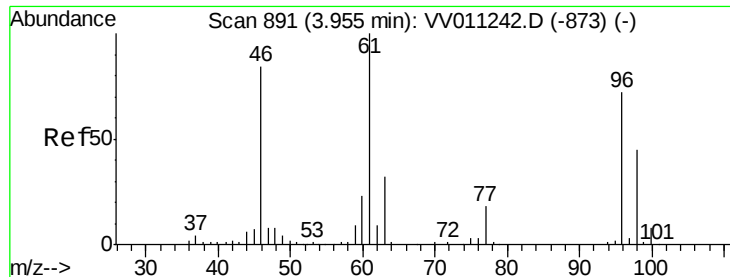
Tgt Ion: 63 Resp: 103250
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.1 41.1
 83 13.6 9.2 17.0



#21
 2-Butanone
 Concen: 59.298 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion: 43 Resp: 161095
 Ion Ratio Lower Upper
 43 100
 72 22.9 12.7 38.1



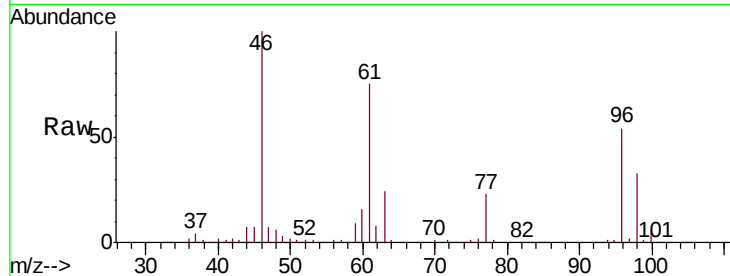


#22

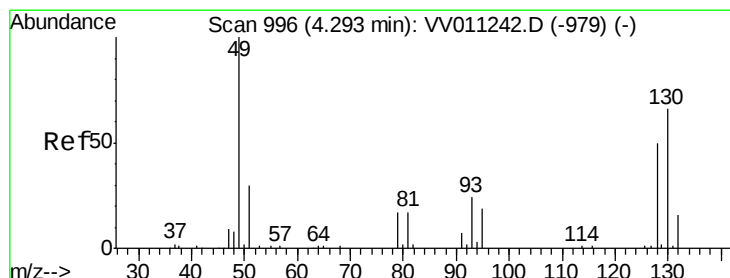
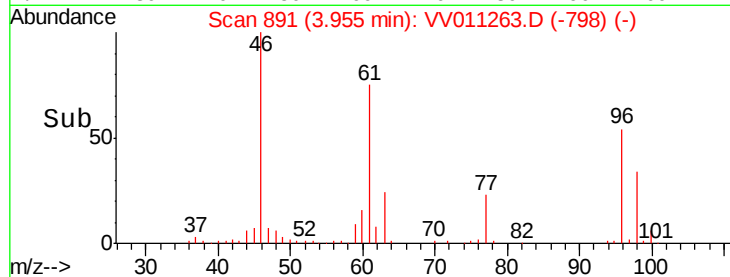
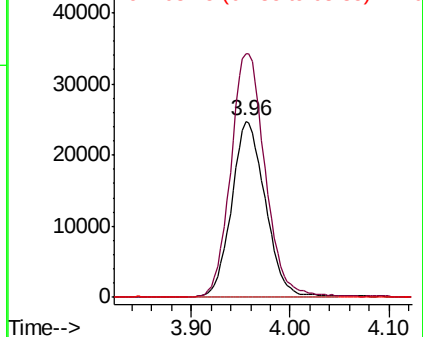
cis-1,2-Dichloroethene
 Concen: 4.894 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Tgt Ion: 96 Resp: 58965
 Ion Ratio Lower Upper
 96 100
 61 138.4 100.8 187.2
 68 0.0 0.0 0.0



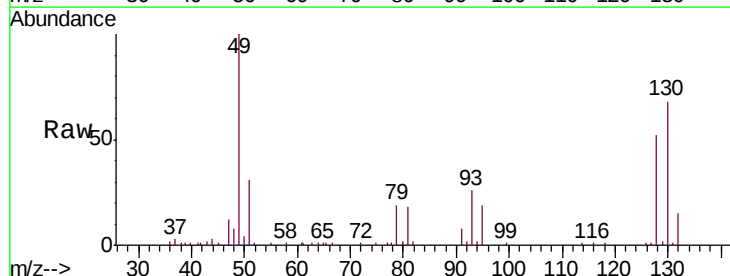
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



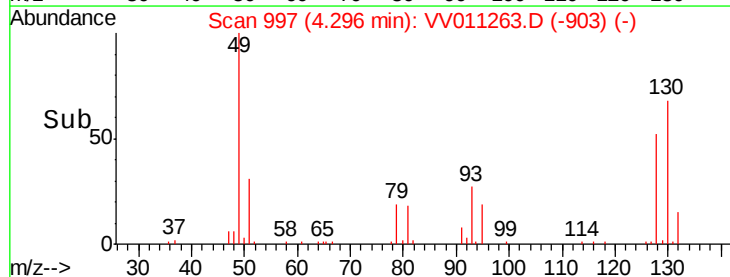
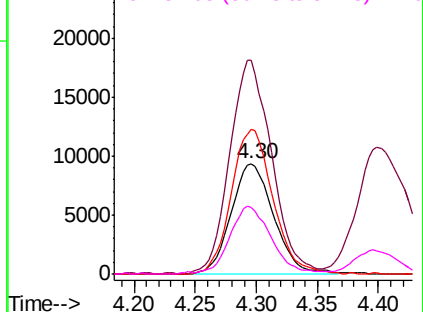
#23

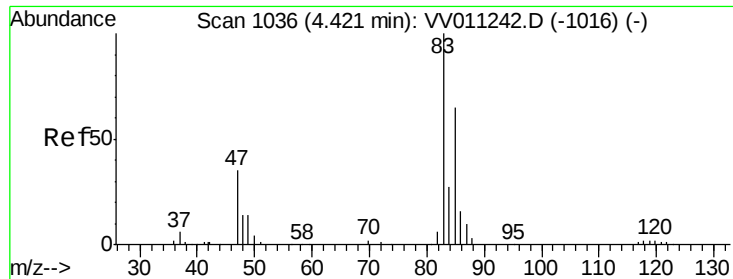
Bromochloromethane
 Concen: 4.895 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion: 128 Resp: 22608
 Ion Ratio Lower Upper
 128 100
 49 193.4 128.9 239.5
 130 130.6 82.5 153.1
 51 60.3 47.2 70.8



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

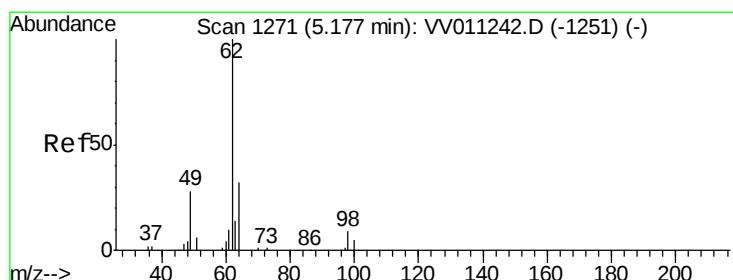
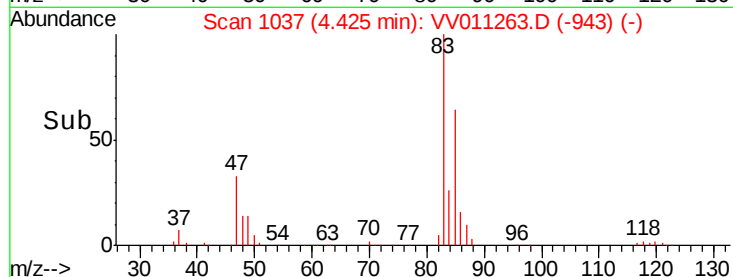
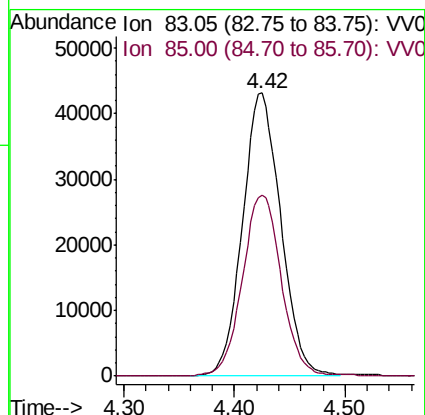
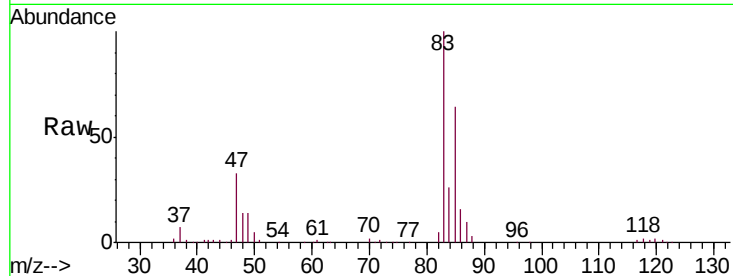




#25
Chloroform
Concen: 4.682 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

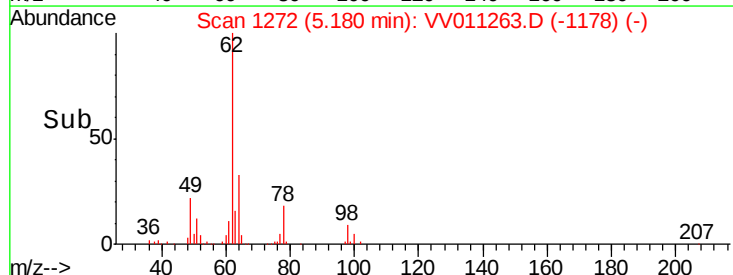
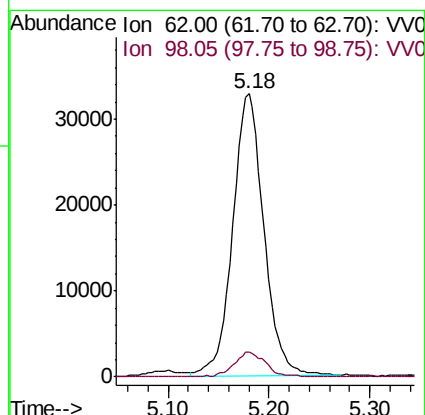
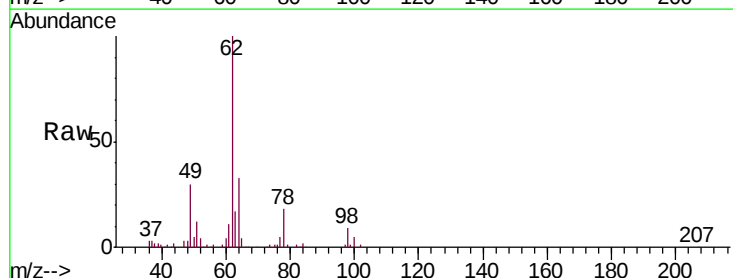
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

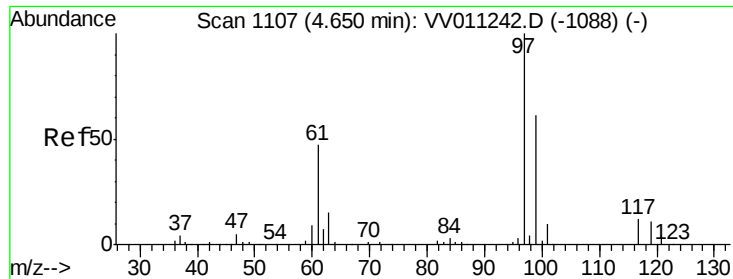
Tgt Ion: 83 Resp: 103764
Ion Ratio Lower Upper
83 100
85 63.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.209 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

Tgt Ion: 62 Resp: 70552
Ion Ratio Lower Upper
62 100
98 8.8 6.9 10.3

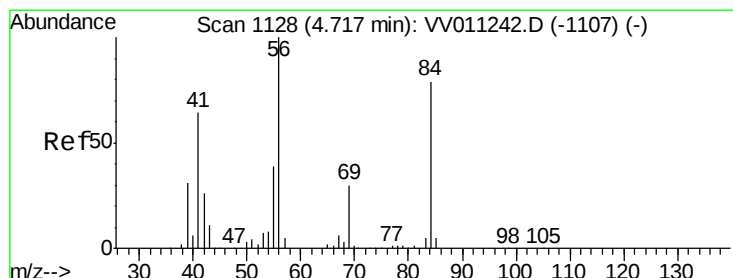
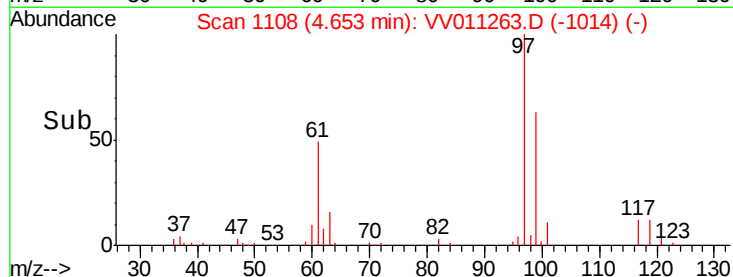
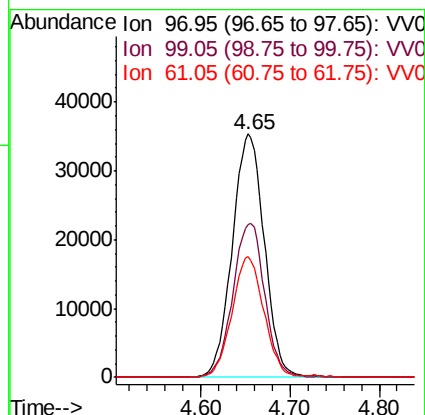
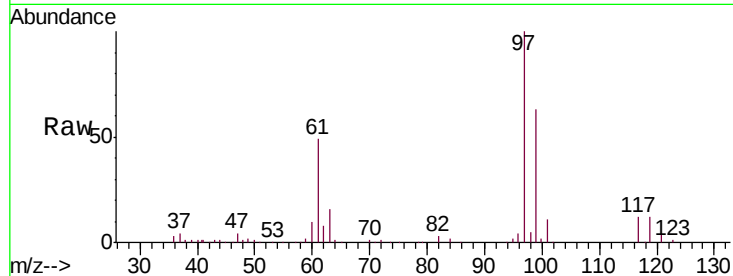




#29
1,1,1-Trichloroethane
Concen: 4.754 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

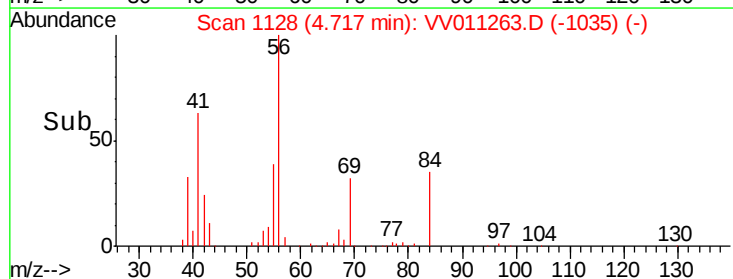
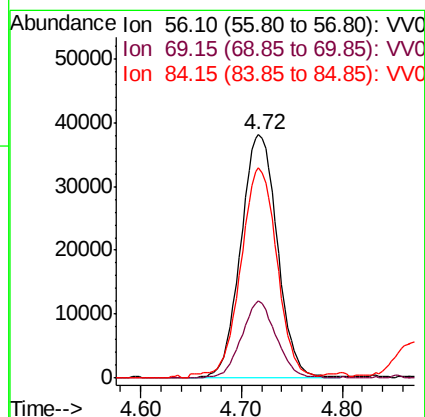
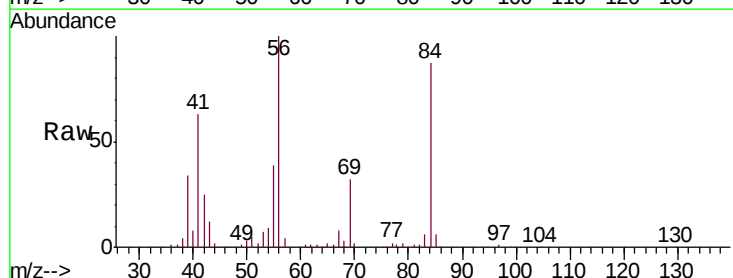
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

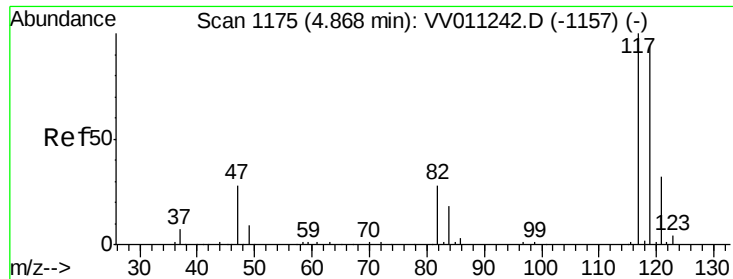
Tgt Ion: 97 Resp: 88099
Ion Ratio Lower Upper
97 100
99 62.9 50.8 76.2
61 49.2 38.9 58.3



#30
Cyclohexane
Concen: 4.667 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

Tgt Ion: 56 Resp: 95895
Ion Ratio Lower Upper
56 100
69 30.0 24.1 36.1
84 85.7 66.4 99.6





#31

Carbon tetrachloride

Concen: 4.766 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

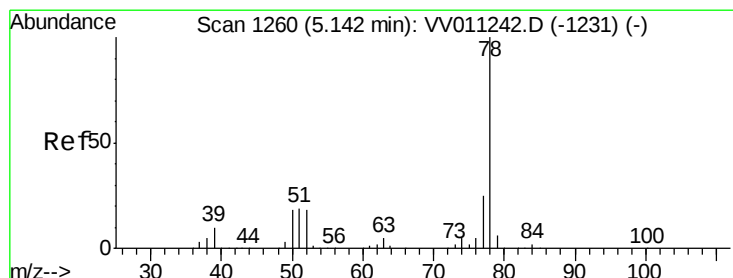
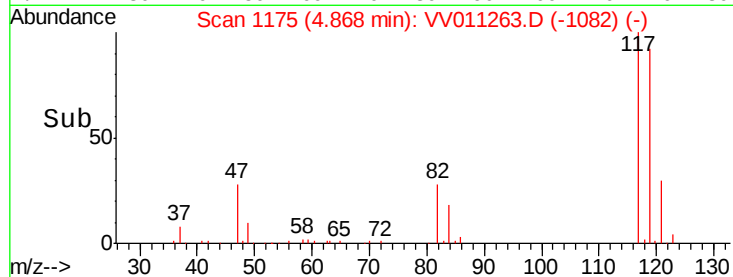
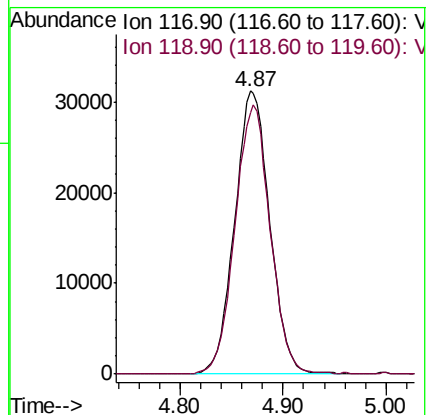
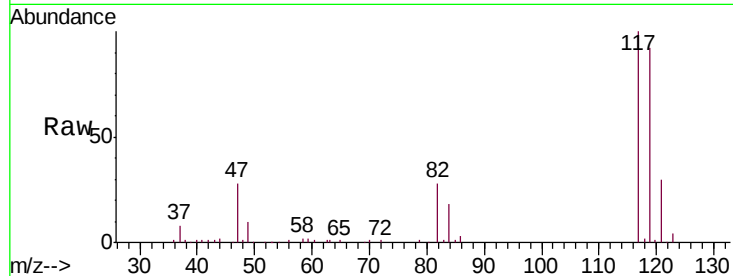
VSTD00532

Tgt Ion:117 Resp: 73818

Ion Ratio Lower Upper

117 100

119 95.0 77.9 116.9



#33

Benzene

Concen: 4.826 ug/L

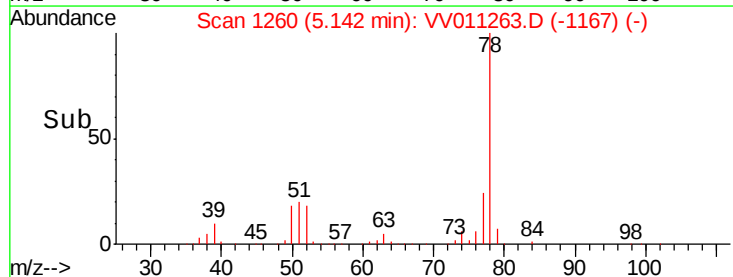
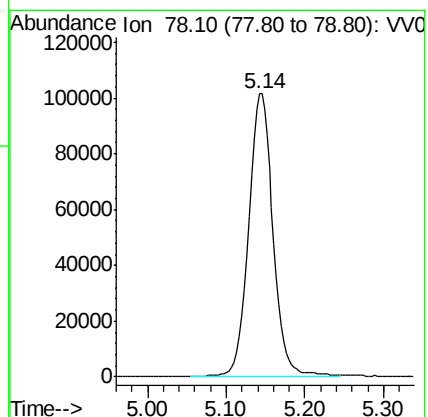
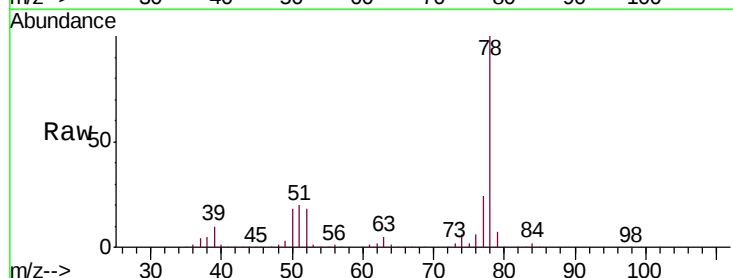
RT: 5.14 min Scan# 1260

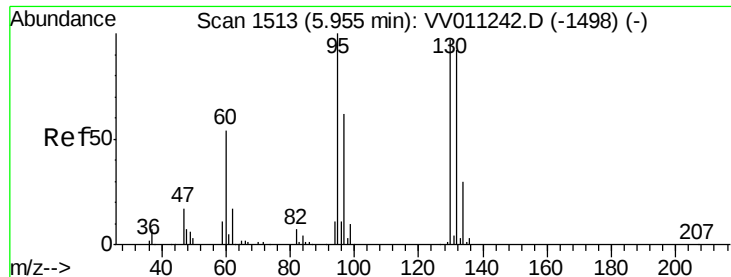
Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Tgt Ion: 78 Resp: 223103

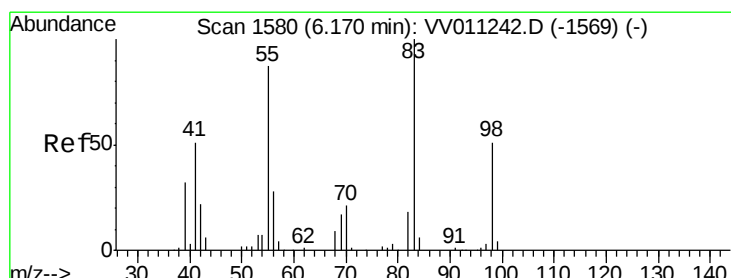
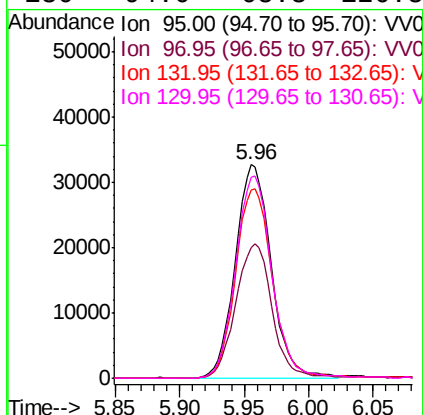
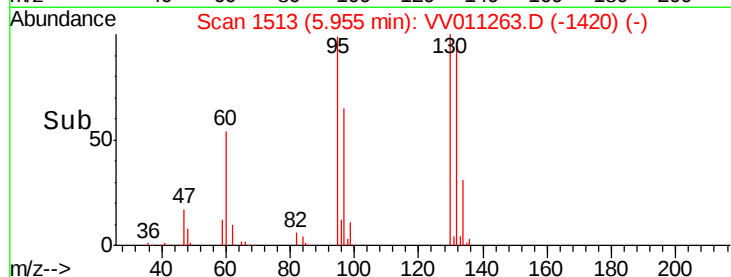
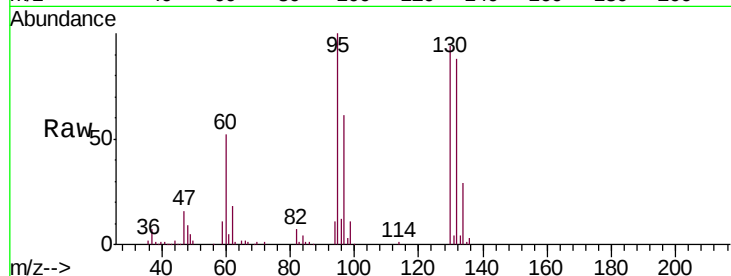




#34
 Trichloroethene
 Concen: 5.328 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

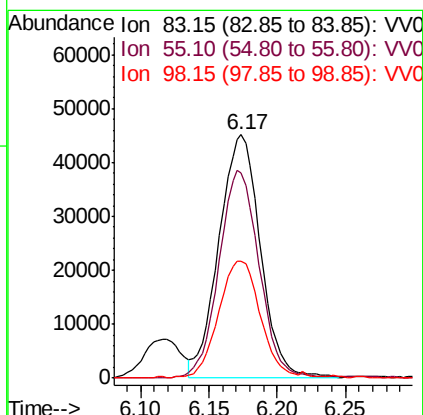
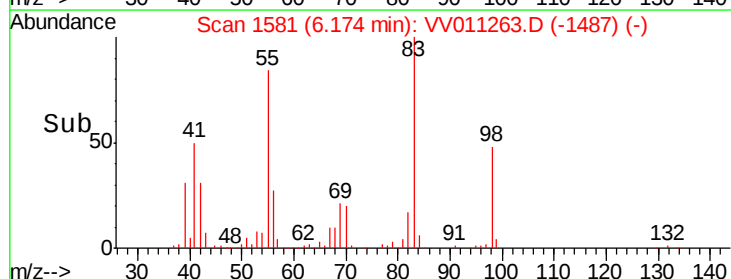
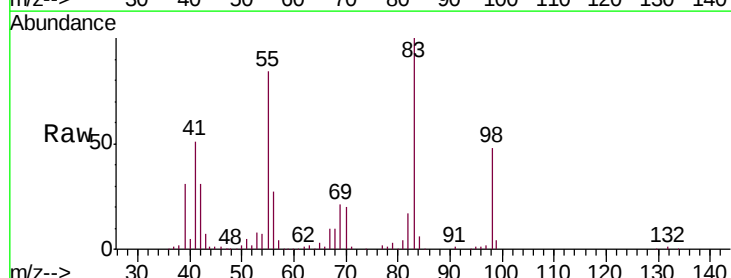
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

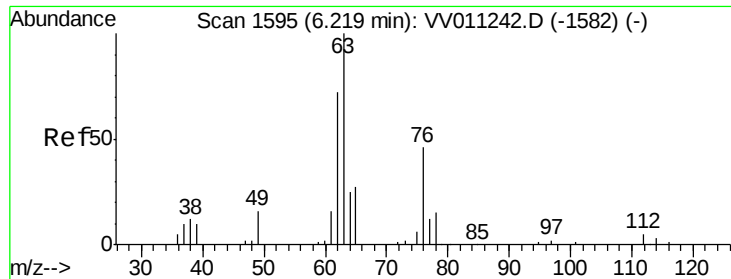
Tgt Ion: 95 Resp: 63636
 Ion Ratio Lower Upper
 95 100
 97 61.1 45.8 85.2
 132 88.0 66.4 123.2
 130 94.0 68.3 126.8



#35
 Methylcyclohexane
 Concen: 4.831 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion: 83 Resp: 95415
 Ion Ratio Lower Upper
 83 100
 55 82.7 67.0 100.6
 98 47.0 40.0 60.0

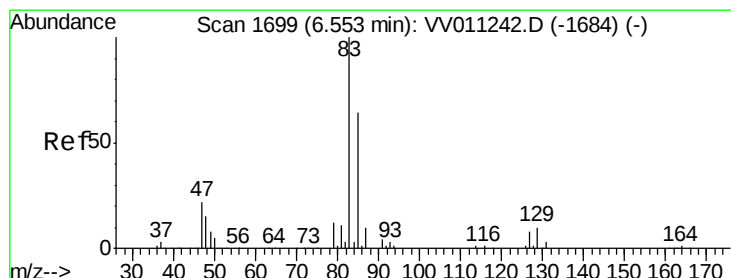
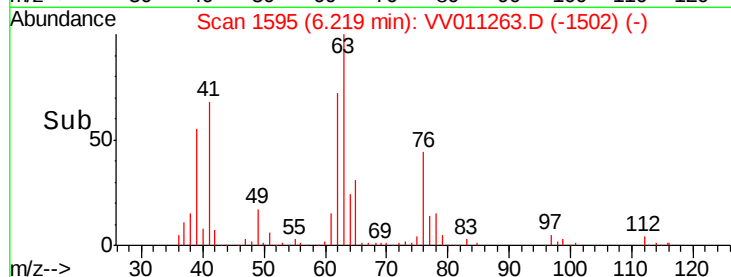
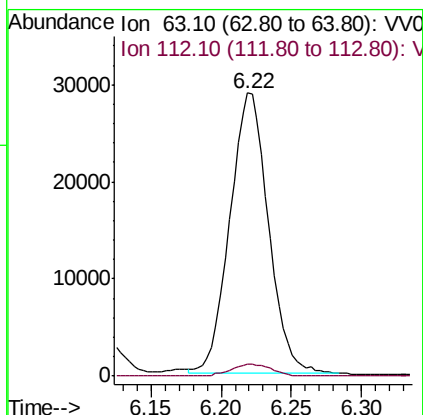
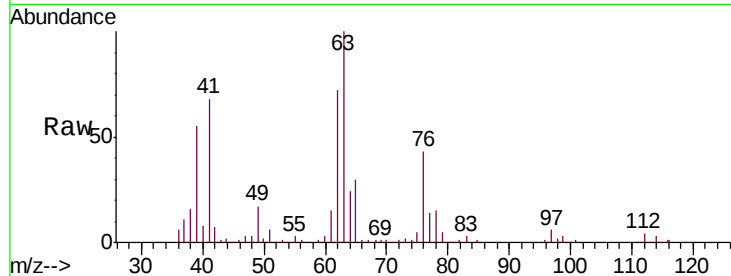




#37
 1,2-Dichloropropane
 Concen: 4.815 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

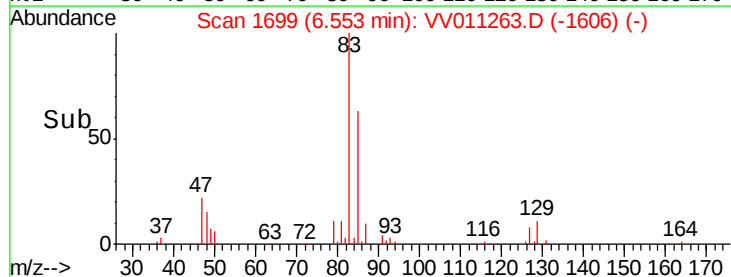
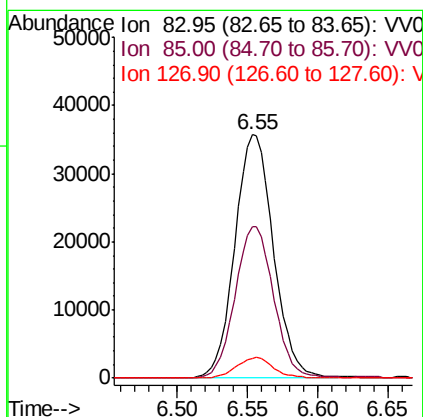
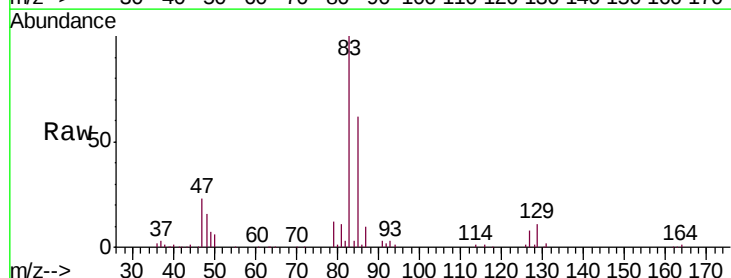
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

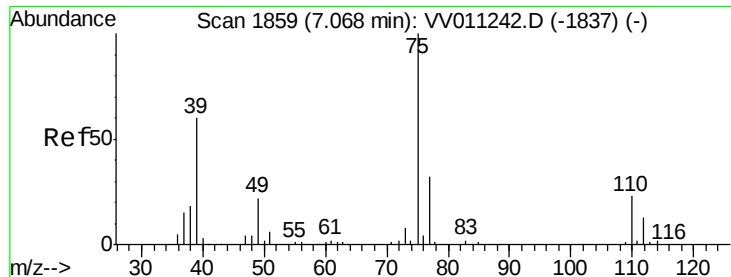
Tgt Ion: 63 Resp: 55403
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.817 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion: 83 Resp: 68520
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.5 82.7
 127 8.2 7.0 10.4

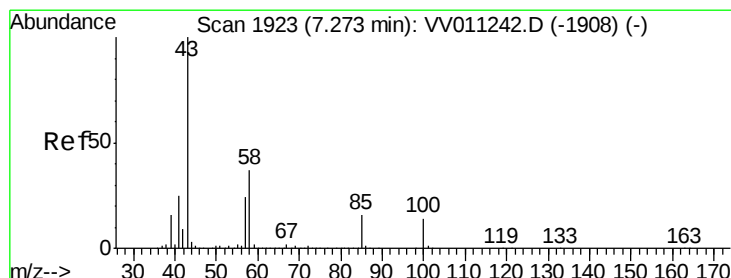
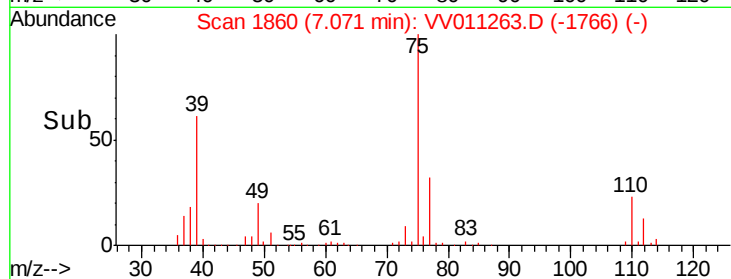
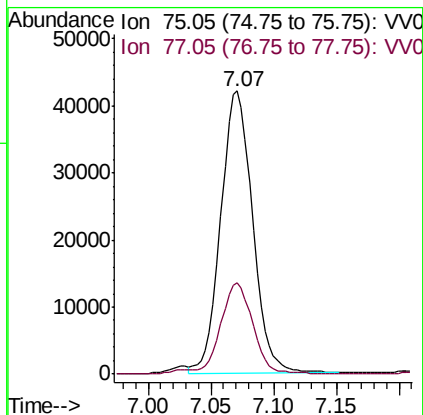
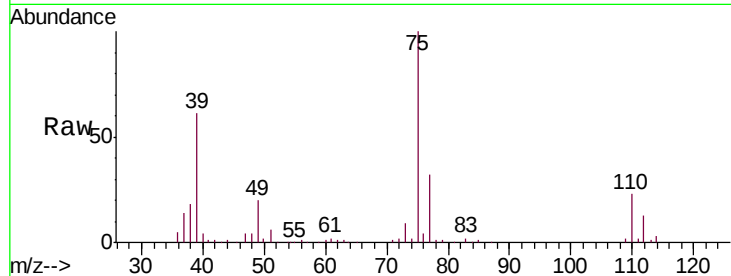




#39
 cis-1,3-Dichloropropene
 Concen: 4.410 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

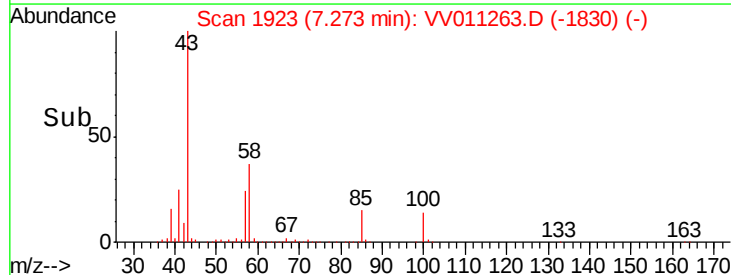
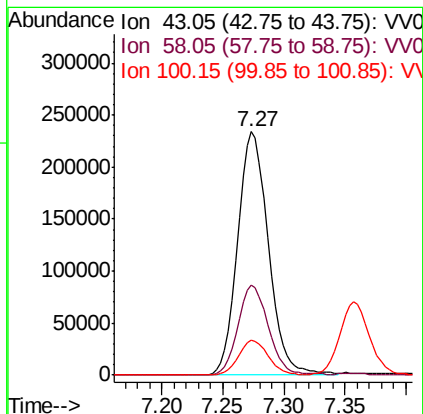
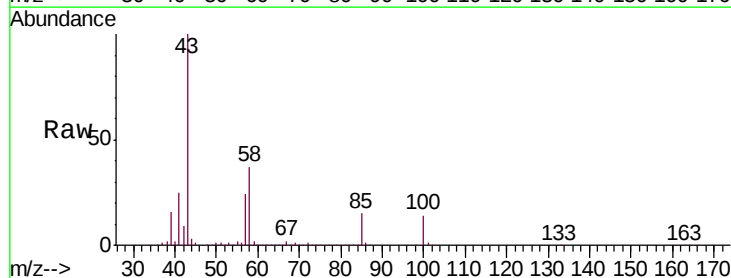
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

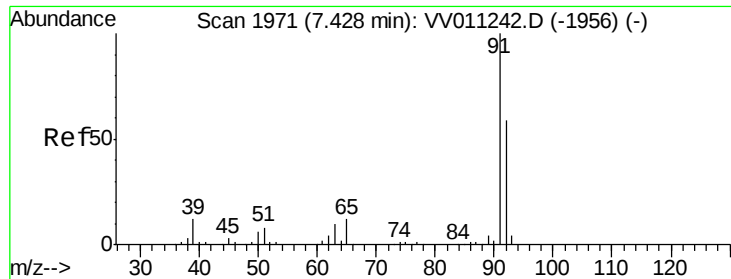
Tgt Ion: 75 Resp: 74246
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 55.625 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion: 43 Resp: 407575
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.3 43.9
 100 13.8 10.6 16.0





#42

Toluene

Concen: 4.930 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

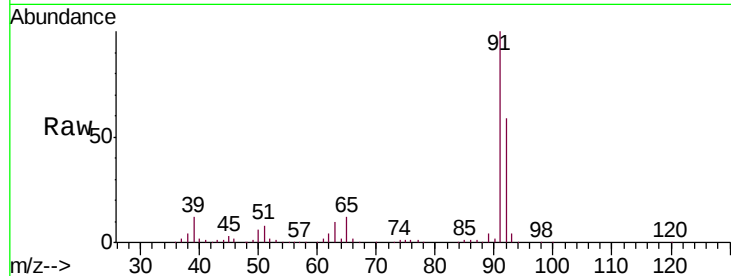
VSTD00532

Tgt Ion: 91 Resp: 242938

Ion Ratio Lower Upper

91 100

92 58.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV011242.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV011263.D (-1878) (-)

7.43

150000

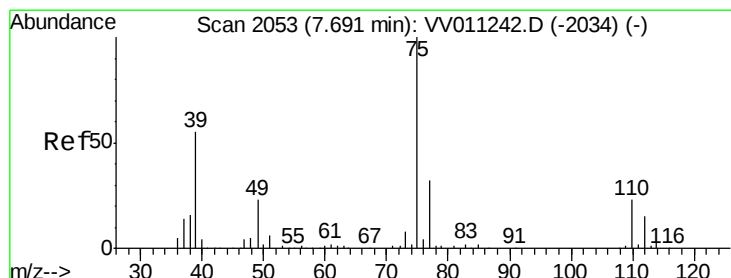
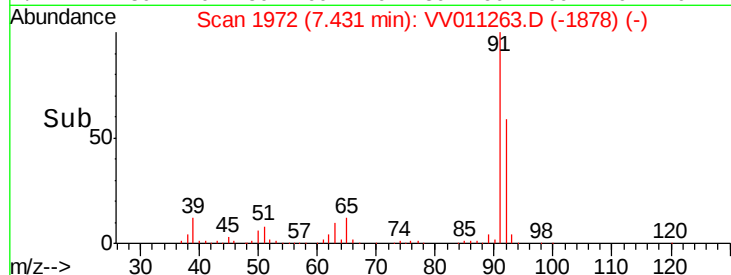
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.606 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011263.D

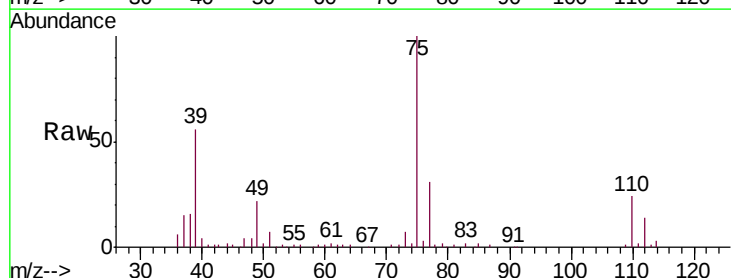
Acq: 07 Jun 2019 00:13

Tgt Ion: 75 Resp: 58954

Ion Ratio Lower Upper

75 100

77 31.1 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV011242.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV011263.D (-1960) (-)

7.69

40000

30000

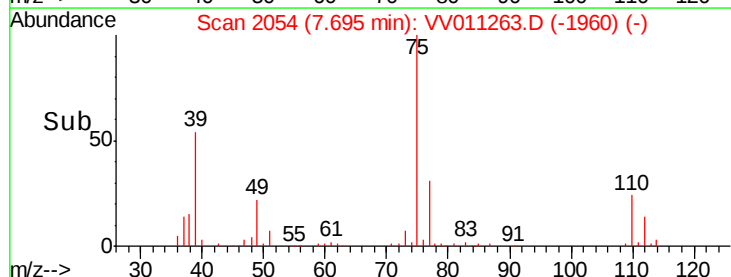
20000

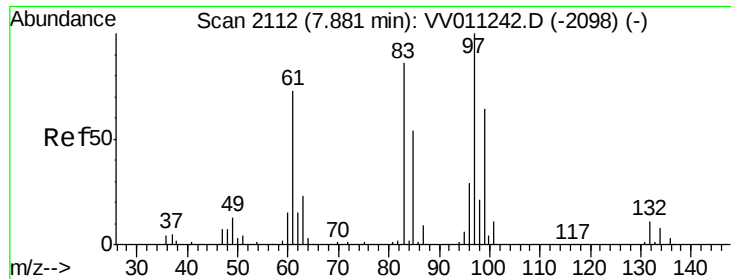
10000

0

7.60 7.70 7.80

Time-->

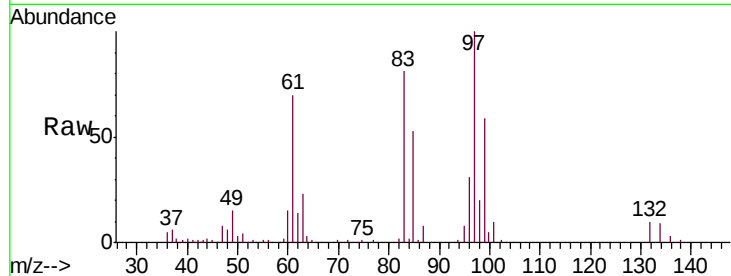




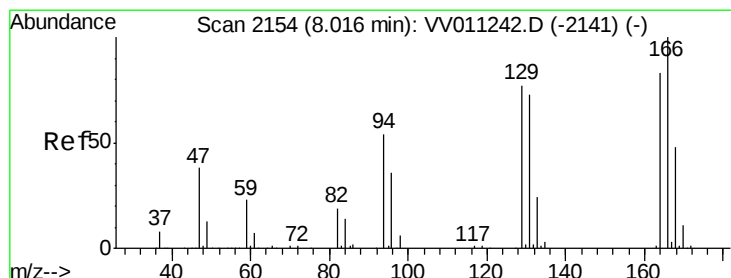
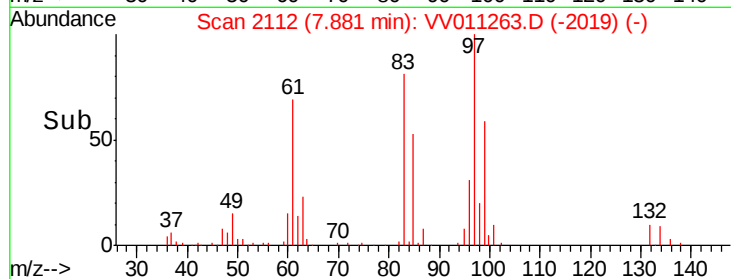
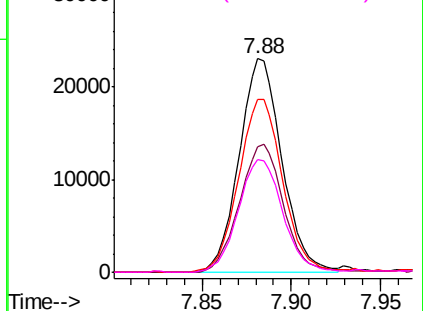
#45
 1,1,2-Trichloroethane
 Concen: 5.214 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Tgt Ion:	97	Resp:	38402
Ion	Ratio	Lower	Upper
97	100		
99	58.7	42.1	78.3
83	81.1	59.4	110.2
85	52.6	39.7	73.7

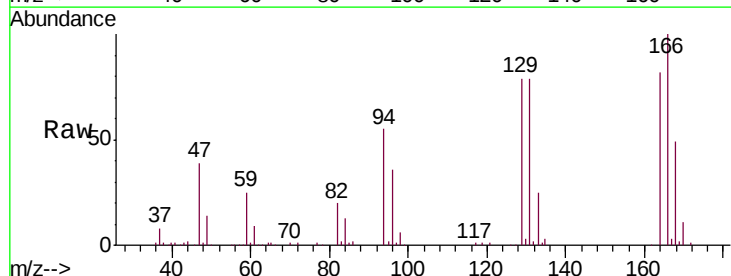


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

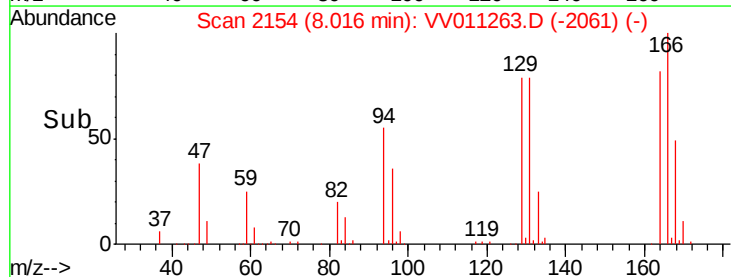
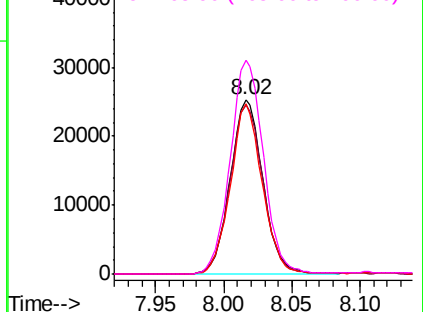


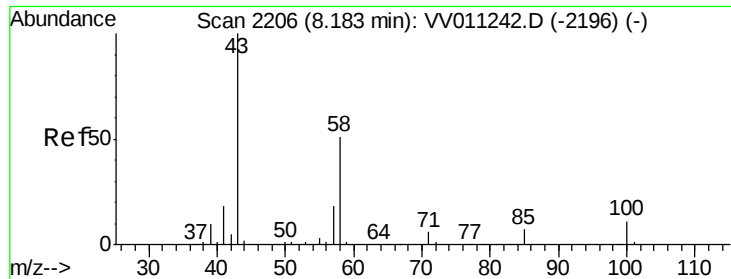
#47
 Tetrachloroethene
 Concen: 4.889 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion:	164	Resp:	42198
Ion	Ratio	Lower	Upper
164	100		
129	97.2	69.9	129.9
131	97.3	66.8	124.2
166	122.5	90.2	167.6



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

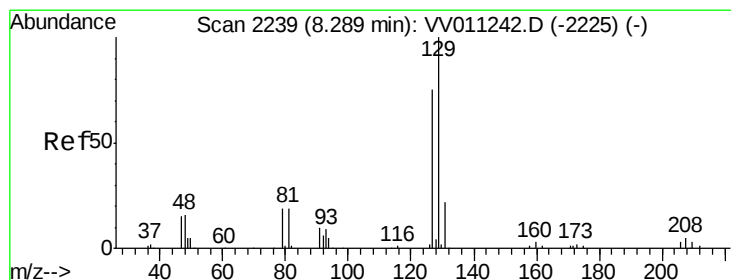
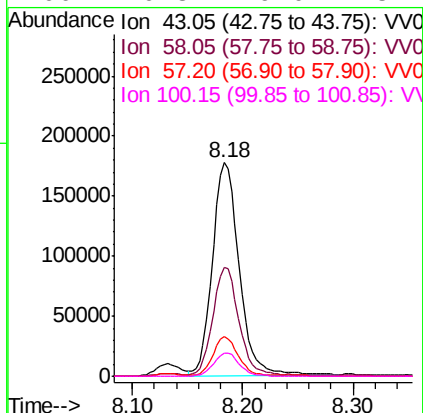
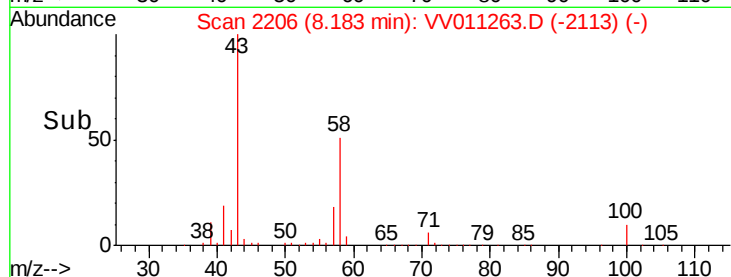
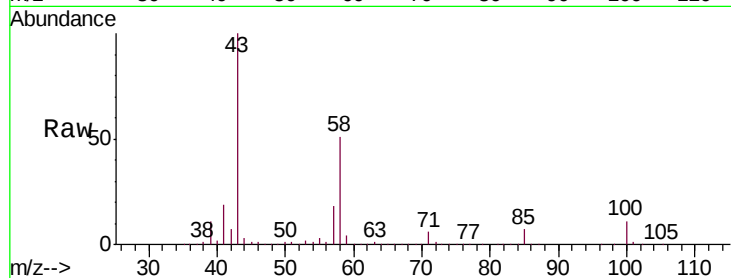




#48
2-Hexanone
Concen: 57.974 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

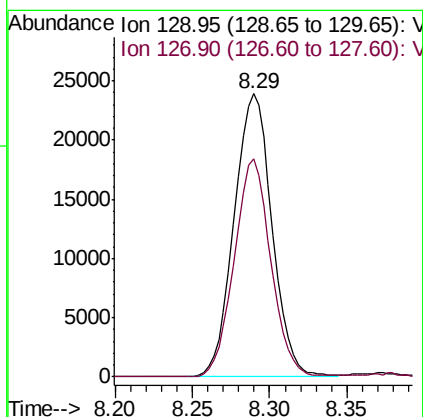
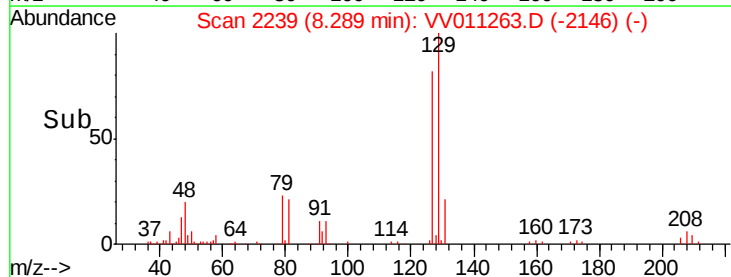
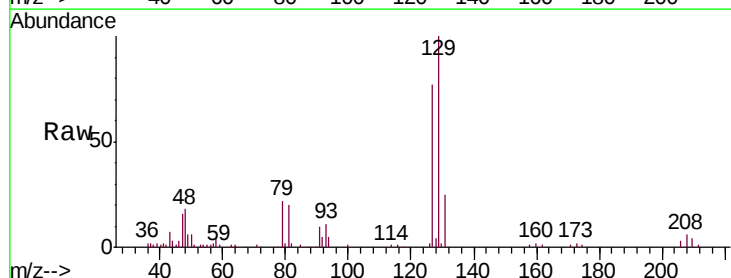
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

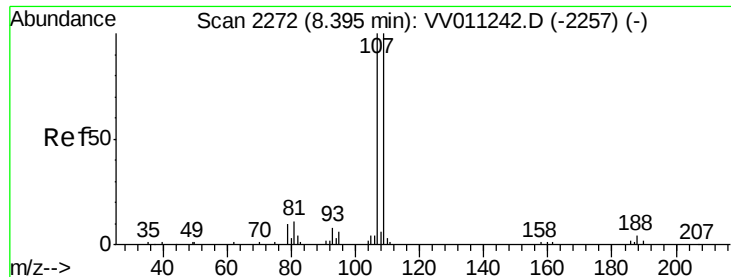
Tgt Ion: 43 Resp: 296258
Ion Ratio Lower Upper
43 100
58 49.6 41.4 62.0
57 17.4 15.0 22.4
100 10.8 9.0 13.4



#49
Dibromochloromethane
Concen: 4.860 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

Tgt Ion: 129 Resp: 40661
Ion Ratio Lower Upper
129 100
127 76.9 53.7 99.7

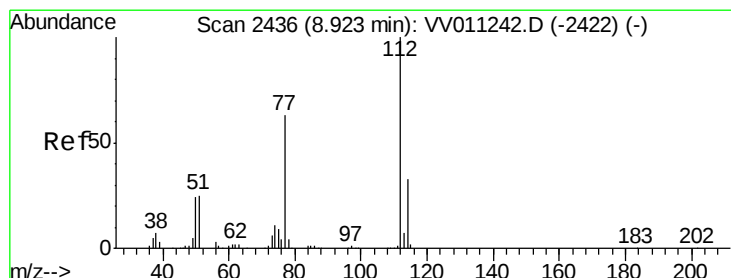
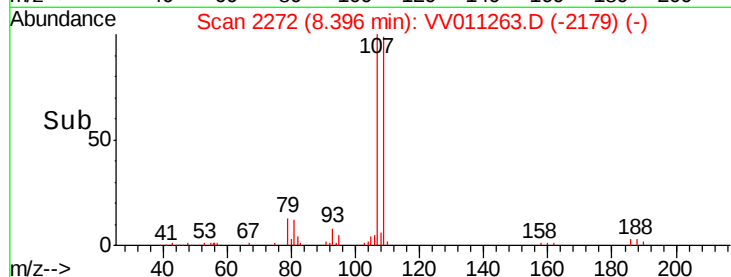
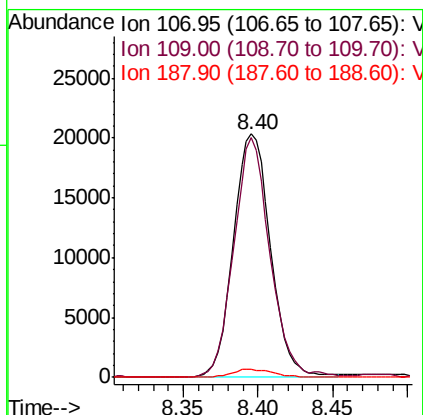
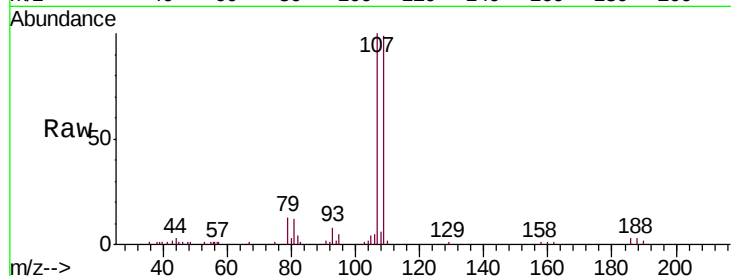




#50
1,2-Dibromoethane
Concen: 5.041 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

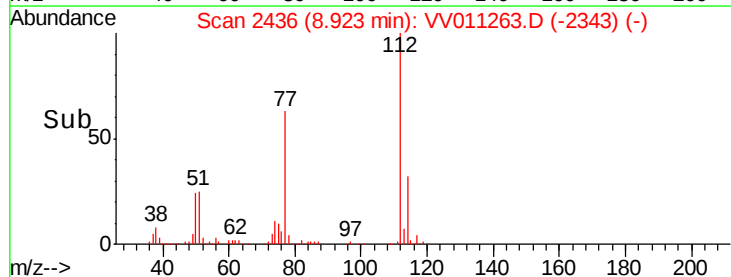
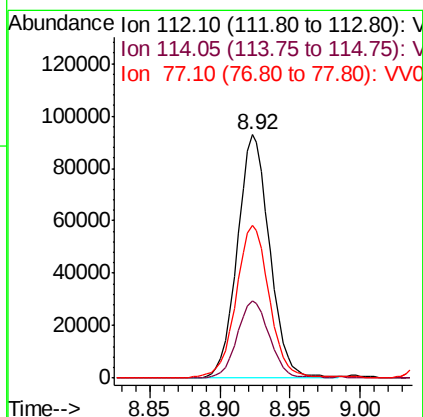
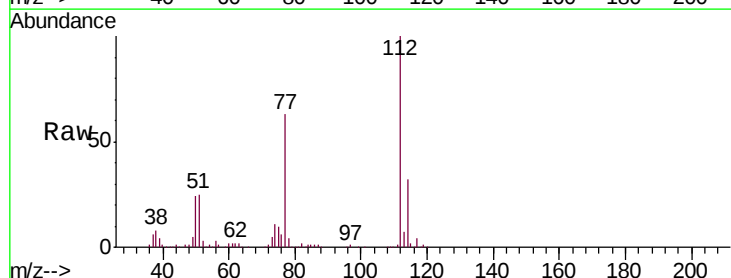
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

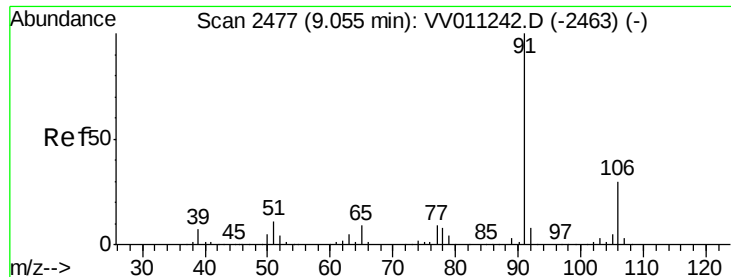
Tgt Ion:107 Resp: 35294
Ion Ratio Lower Upper
107 100
109 98.5 64.5 119.9
188 3.2 2.7 4.1



#51
Chlorobenzene
Concen: 4.971 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

Tgt Ion:112 Resp: 149375
Ion Ratio Lower Upper
112 100
114 31.6 22.6 42.0
77 62.9 50.1 75.1





#52

Ethylbenzene

Concen: 5.019 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

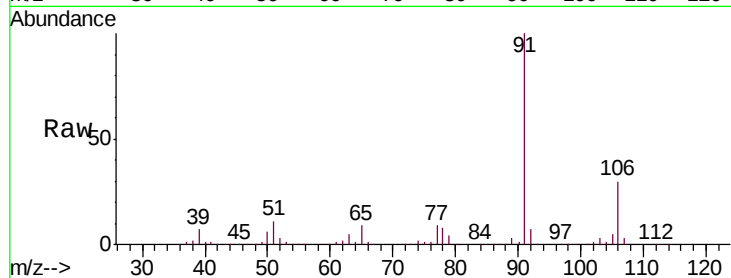
VSTD00532

Tgt Ion: 91 Resp: 274644

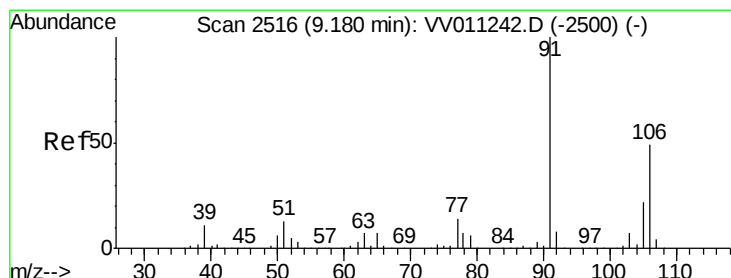
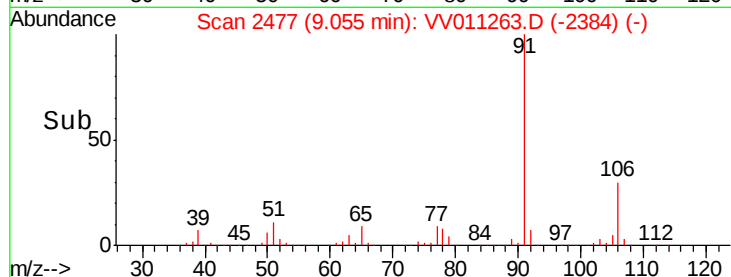
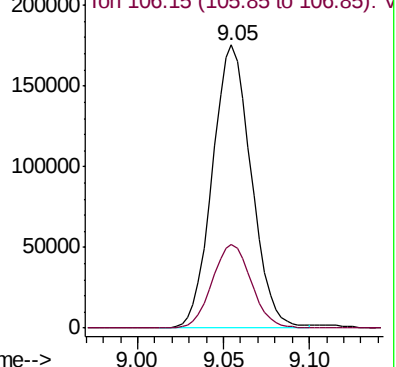
Ion Ratio Lower Upper

91 100

106 29.6 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011242.D (-2463) (-)



#53

m,p-xylene

Concen: 5.119 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011263.D

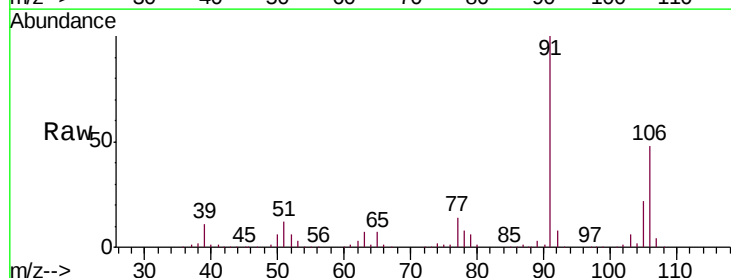
Acq: 07 Jun 2019 00:13

Tgt Ion: 106 Resp: 103594

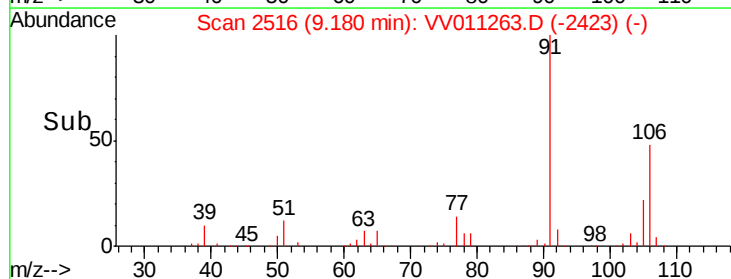
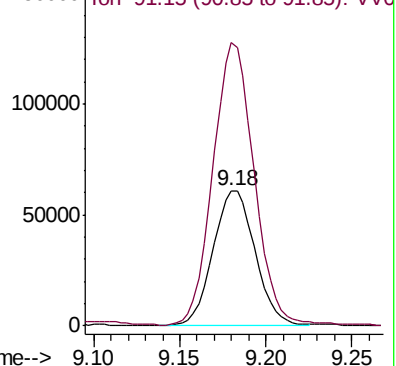
Ion Ratio Lower Upper

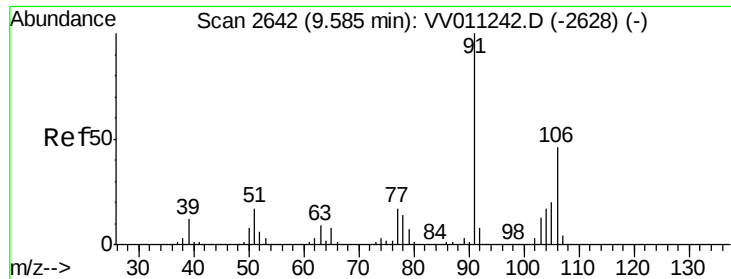
106 100

91 209.4 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011242.D (-2500) (-)

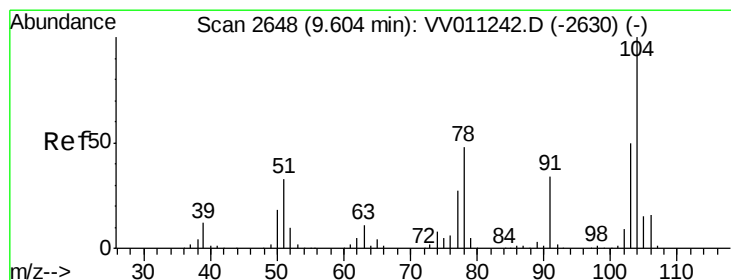
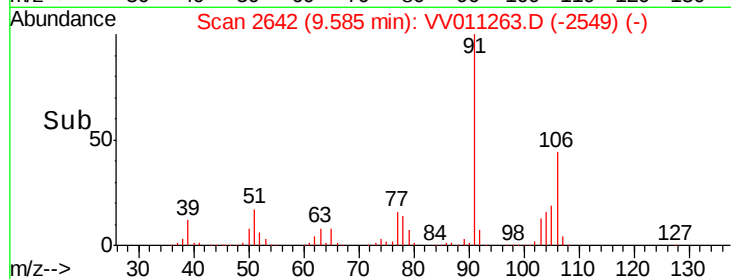
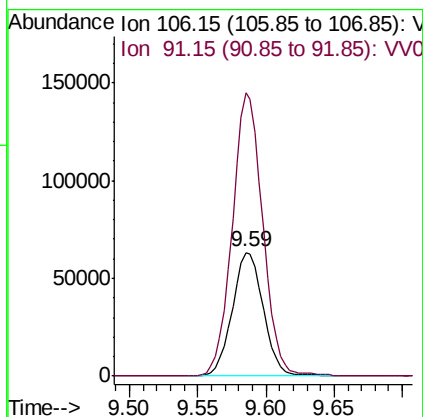
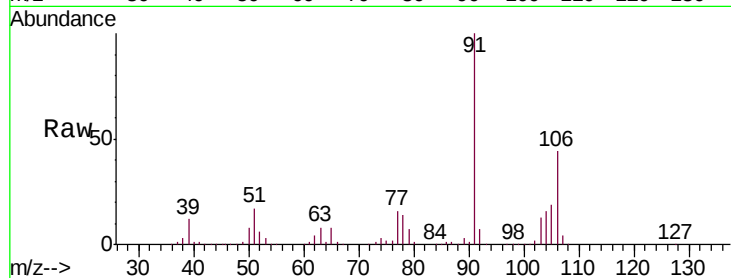




#54
o-xylene
Concen: 5.049 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

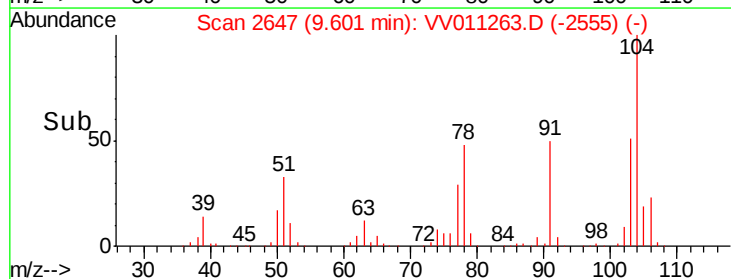
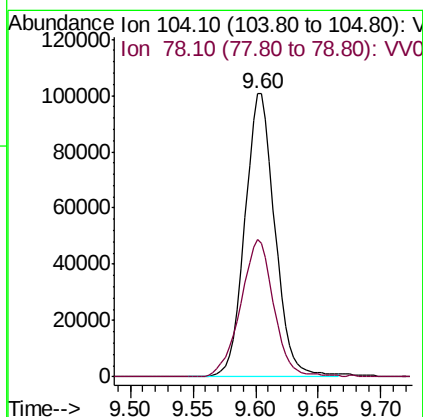
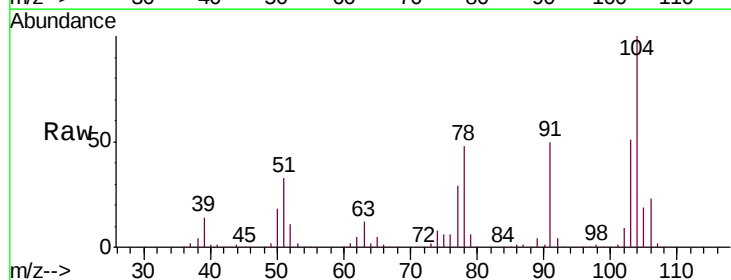
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

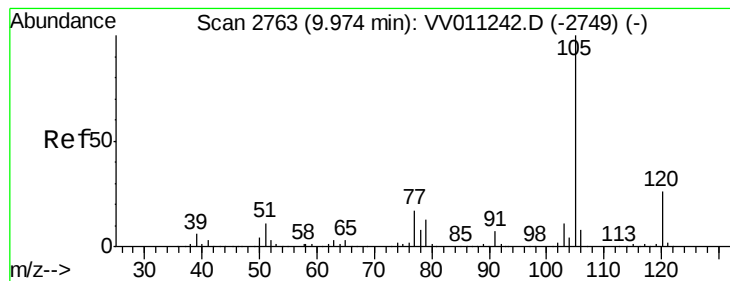
Tgt Ion:106 Resp: 100267
Ion Ratio Lower Upper
106 100
91 228.8 155.4 288.6



#55
Styrene
Concen: 5.199 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV011263.D
Acq: 07 Jun 2019 00:13

Tgt Ion:104 Resp: 168146
Ion Ratio Lower Upper
104 100
78 48.5 32.4 60.2





#56

Isopropylbenzene

Concen: 5.084 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

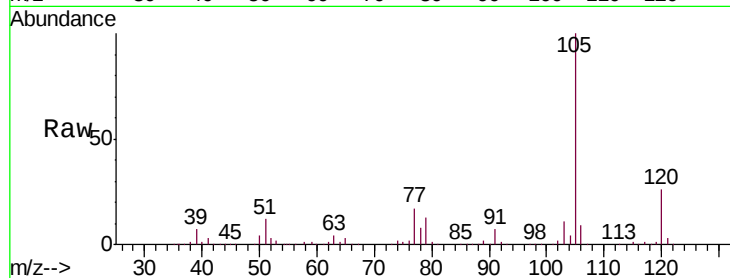
Tgt Ion: 105 Resp: 271731

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

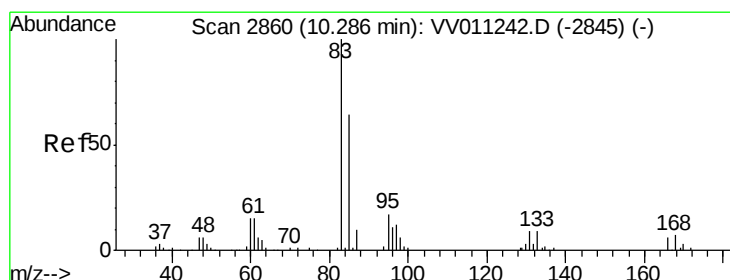
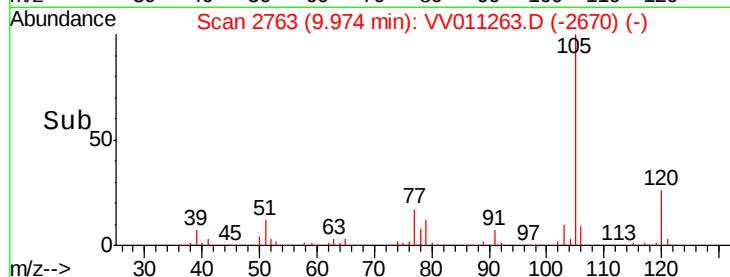
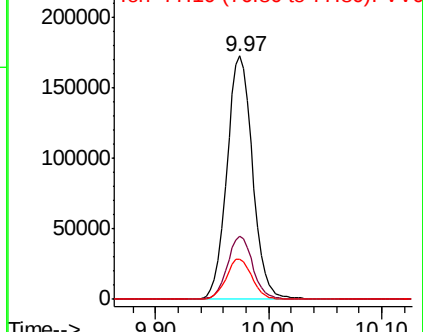
77 16.9 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.252 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

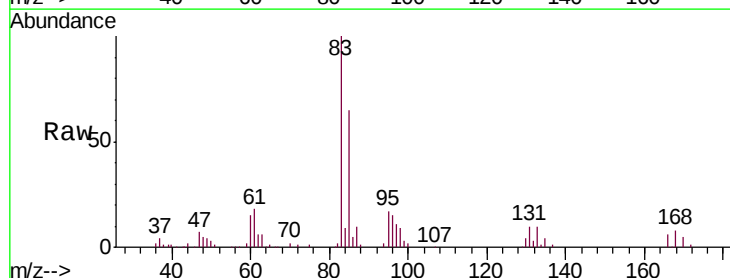
Tgt Ion: 83 Resp: 46893

Ion Ratio Lower Upper

83 100

85 65.1 43.5 80.9

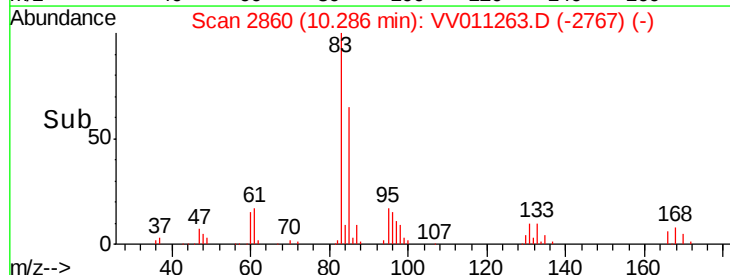
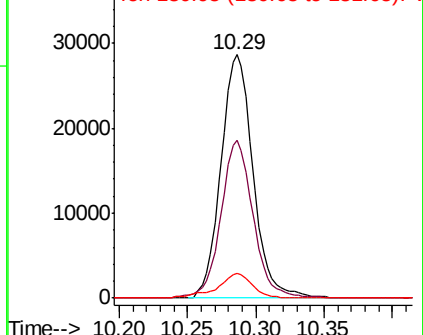
131 10.3 7.5 11.3

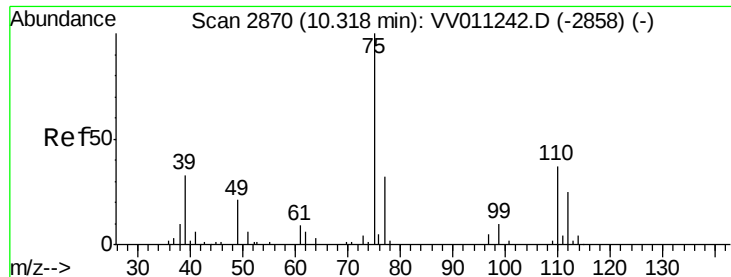


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

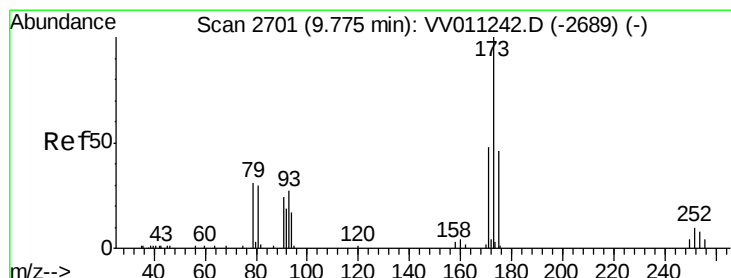
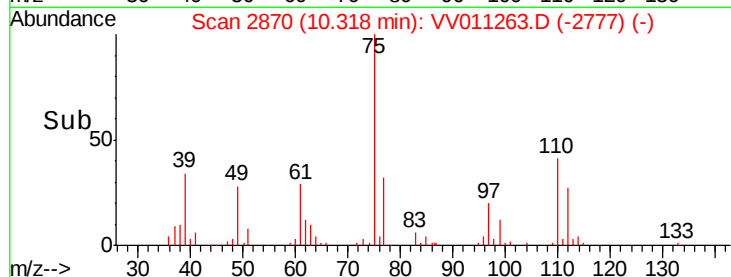
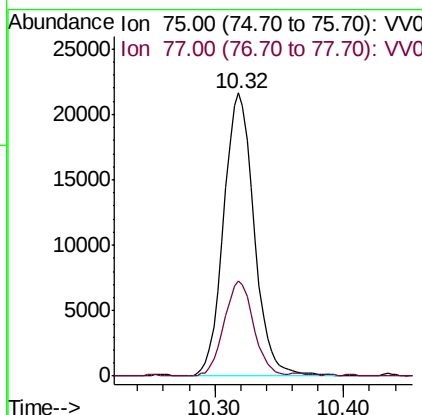
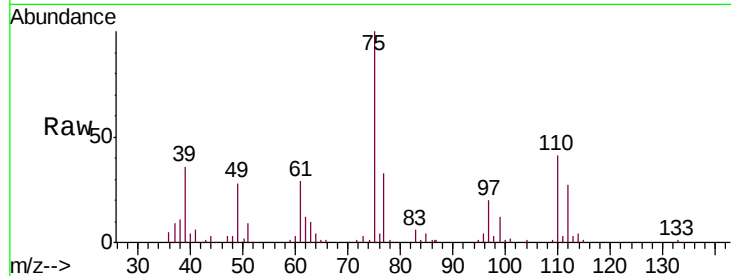




#59
 1,2,3-Trichloropropane
 Concen: 5.295 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

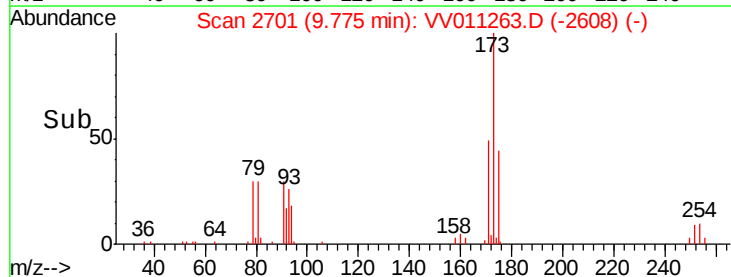
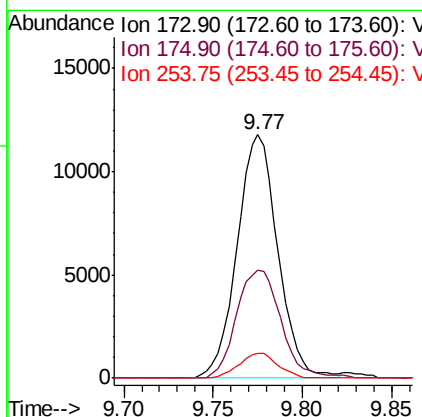
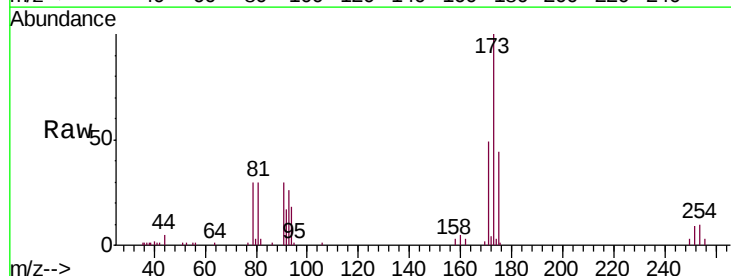
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

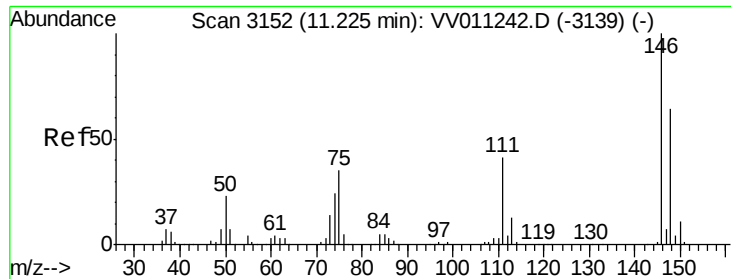
Tgt Ion: 75 Resp: 35533
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.7 40.1



#61
 Bromoform
 Concen: 4.563 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion: 173 Resp: 18823
 Ion Ratio Lower Upper
 173 100
 175 48.3 37.0 55.4
 254 9.6 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 4.920 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

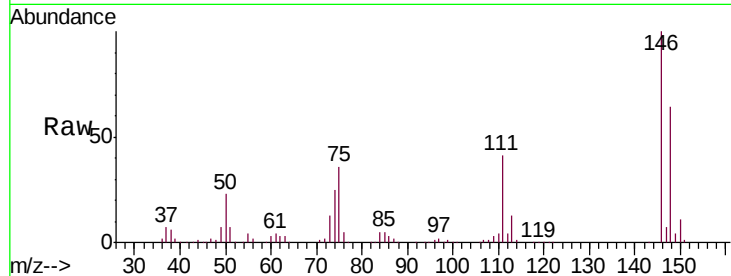
Tgt Ion:146 Resp: 111735

Ion Ratio Lower Upper

146 100

111 41.3 29.0 53.9

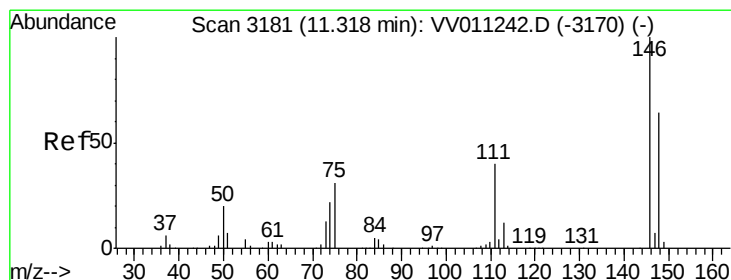
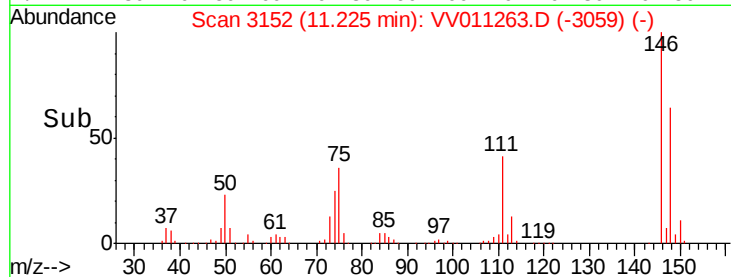
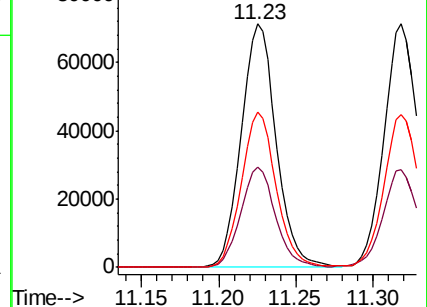
148 64.1 44.0 81.8



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: 5.116 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

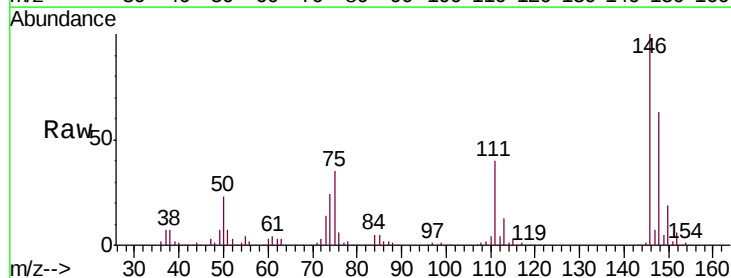
Tgt Ion:146 Resp: 112786

Ion Ratio Lower Upper

146 100

111 40.1 28.3 52.5

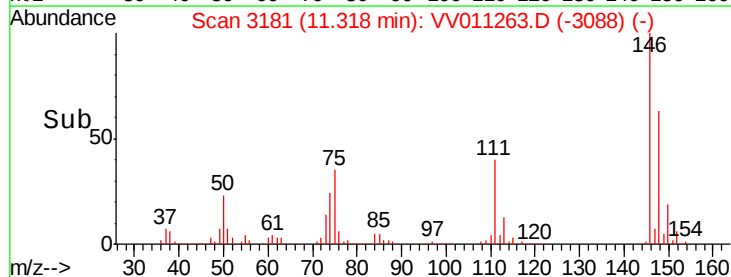
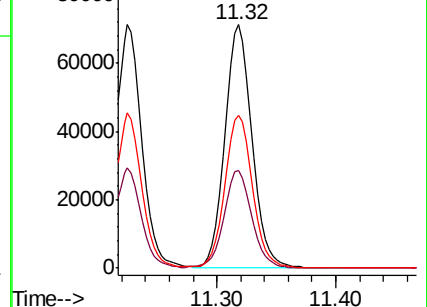
148 63.0 44.6 82.8

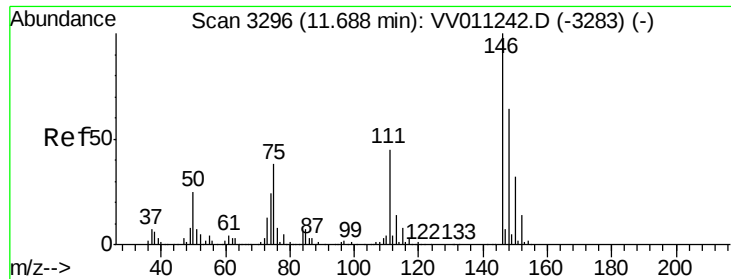


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

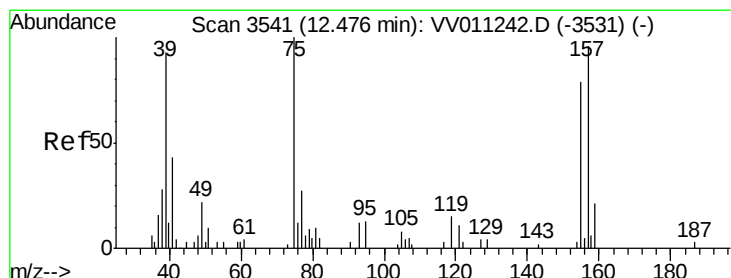
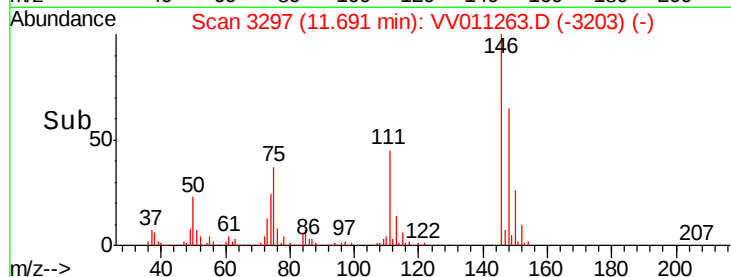
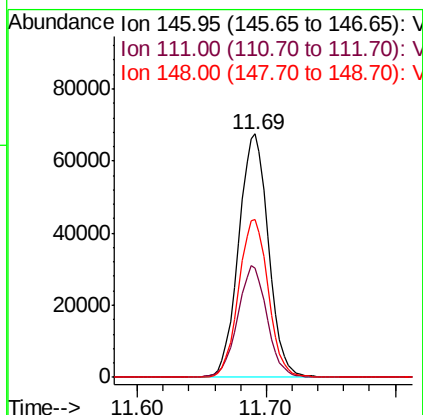
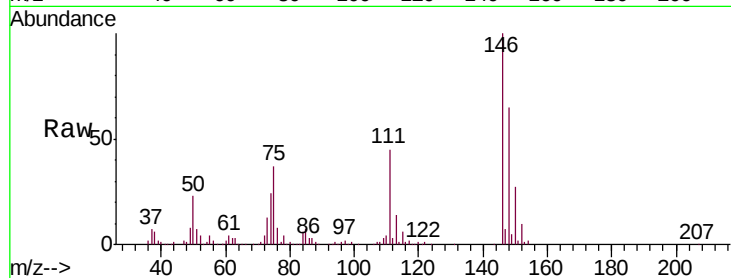




#65
 1,2-Dichlorobenzene
 Concen: 5.167 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

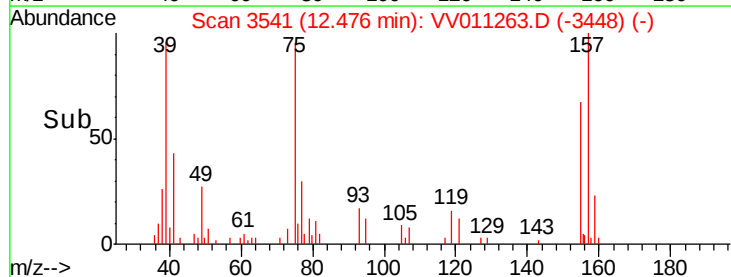
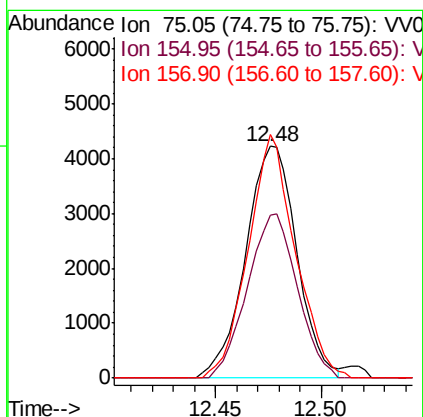
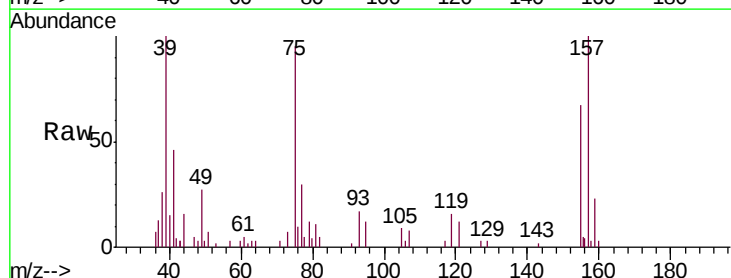
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

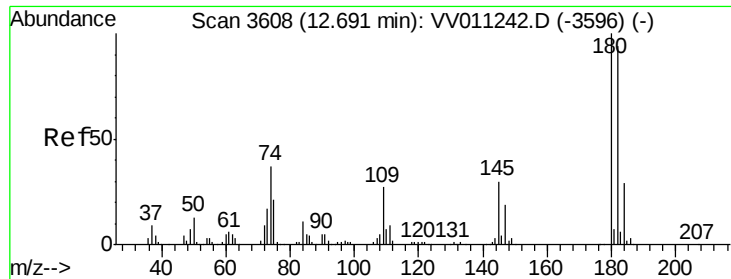
Tgt Ion: 146 Resp: 108456
 Ion Ratio Lower Upper
 146 100
 111 45.0 33.9 50.9
 148 65.1 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.738 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion: 75 Resp: 7127
 Ion Ratio Lower Upper
 75 100
 155 70.4 64.4 96.6
 157 105.2 66.7 100.1#

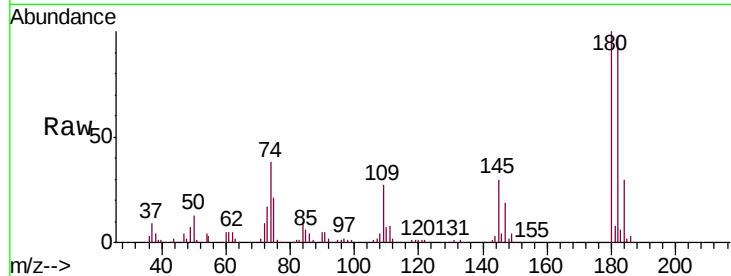




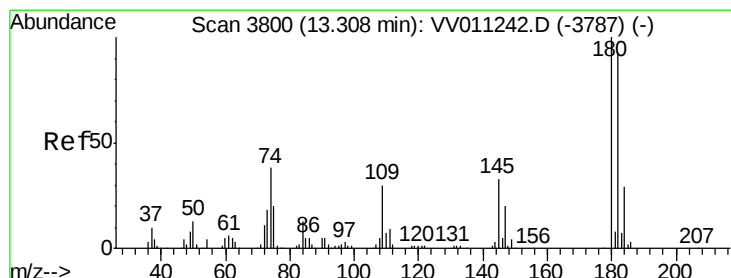
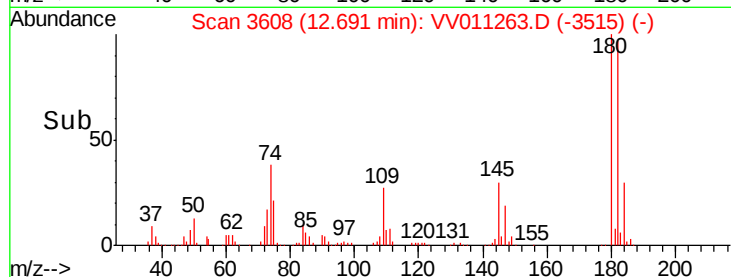
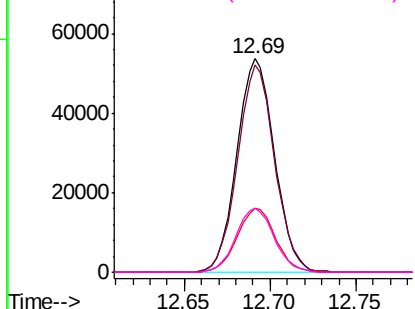
#67
 1,3,5-Trichlorobenzene
 Concen: 5.004 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Tgt Ion:180 Resp: 81745
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 184 30.2 23.8 35.8
 145 30.5 24.2 36.2

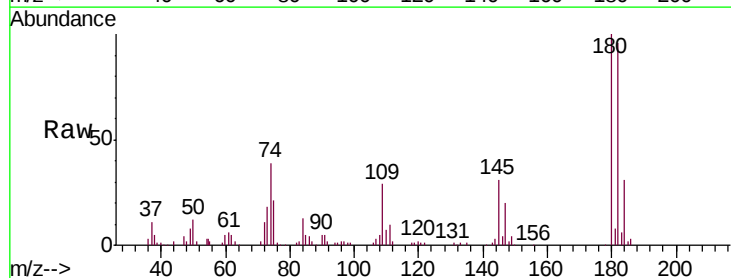


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

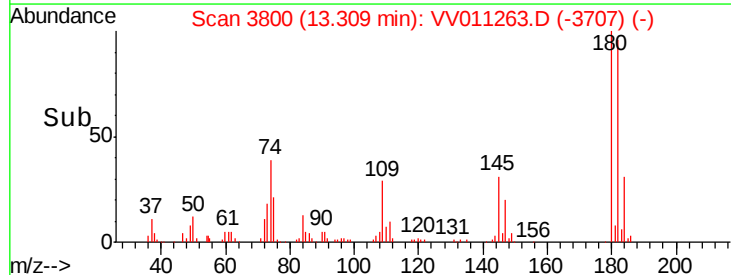
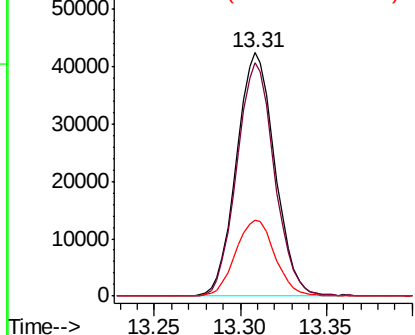


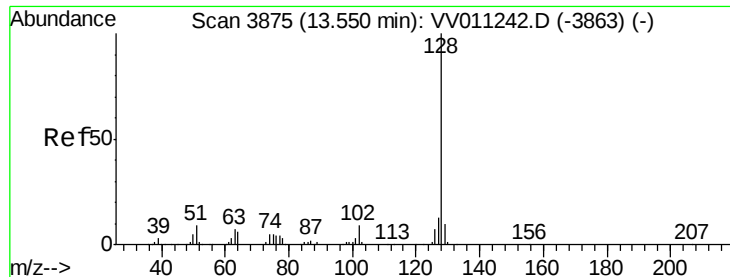
#68
 1,2,4-trichlorobenzene
 Concen: 5.324 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011263.D
 Acq: 07 Jun 2019 00:13

Tgt Ion:180 Resp: 66036
 Ion Ratio Lower Upper
 180 100
 182 94.0 78.8 118.2
 145 31.9 26.3 39.5



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





#69

Naphthalene

Concen: 5.875 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

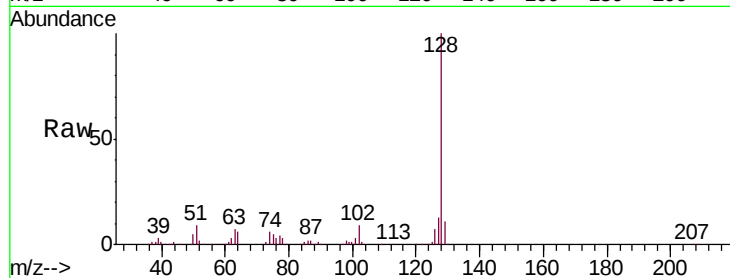
Tgt Ion:128 Resp: 119266

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

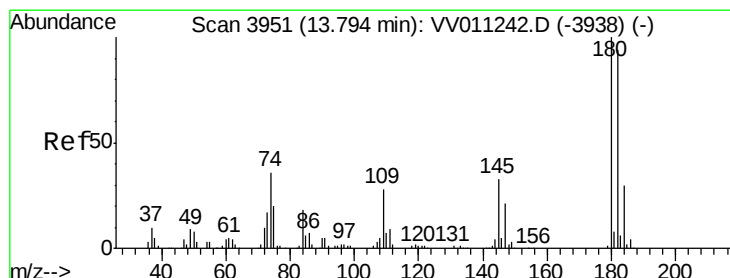
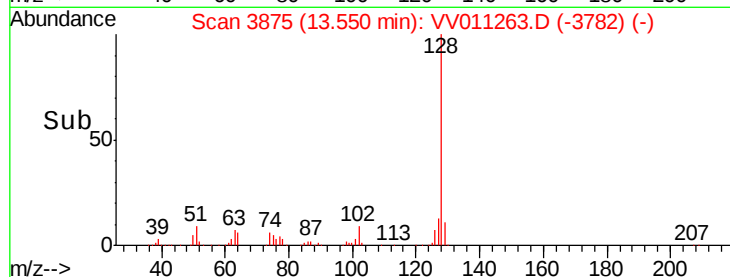
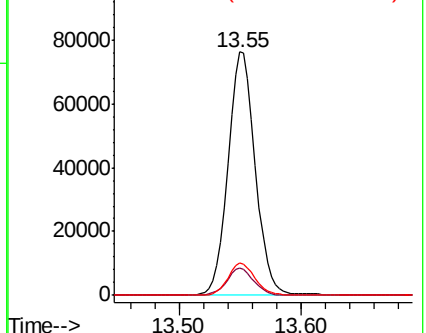
127 13.3 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.676 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011263.D

Acq: 07 Jun 2019 00:13

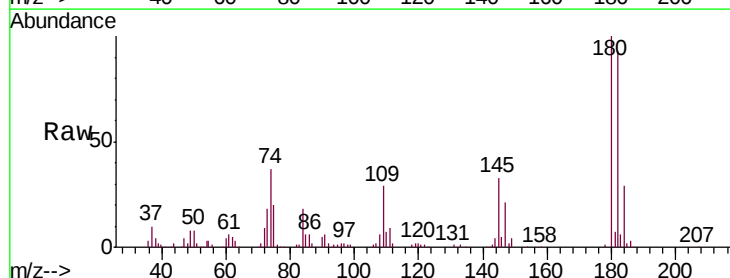
Tgt Ion:180 Resp: 63132

Ion Ratio Lower Upper

180 100

182 94.3 78.6 117.8

145 32.7 26.9 40.3



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

