

Data File : VV011744.D
Acq On : 25 Jun 2019 09:48
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Quant Time: Jun 26 01:37:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 25 08:19:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	211649	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	197130	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	94844	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54332	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.58	69	40210	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.12	63	119546	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	3.95	46	190537	51.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.98%
24) Chloroform-d	4.40	84	123851	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.08	65	70116	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.09	84	245415	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.12	67	77735	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.36	98	222794	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	28400	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.14	63	150549	54.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	58769	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	79641	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	102001	4.633 ug/L	99
3) Chloromethane	1.25	50	98139	4.913 ug/L	98
5) Vinyl chloride	1.32	62	93372	4.771 ug/L	94
6) Bromomethane	1.53	94	35384	4.148 ug/L	99
8) Chloroethane	1.59	64	45334	4.432 ug/L	96
9) Trichlorofluoromethane	1.76	101	125282	4.948 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	71673	4.995 ug/L	98
12) 1,1-Dichloroethene	2.13	96	63302	4.833 ug/L	93
13) Acetone	2.21	43	134153	50.188 ug/L	100
14) Carbon disulfide	2.31	76	159594	4.527 ug/L	99
15) Methyl Acetate	2.46	43	32869	4.938 ug/L	98
16) Methylene chloride	2.53	84	68261	4.677 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	182118	5.083 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	76707	4.981 ug/L	93
19) 1,1-Dichloroethane	3.22	63	152866	4.994 ug/L	97
21) 2-Butanone	4.04	43	230598	53.545 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	82319	4.864 ug/L	100

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Quant Time: Jun 26 01:37:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 25 08:19:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31802	4.987	ug/L	97
25) Chloroform	4.42	83	155282	4.620	ug/L	97
27) 1,2-Dichloroethane	5.18	62	101522	4.985	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	127660	5.030	ug/L	99
30) Cyclohexane	4.72	56	137720	4.750	ug/L	97
31) Carbon tetrachloride	4.87	117	106947	4.985	ug/L	98
33) Benzene	5.14	78	325324	4.978	ug/L	100
34) Trichloroethene	5.96	95	83044	4.792	ug/L	96
35) Methylcyclohexane	6.17	83	140128	5.008	ug/L	96
37) 1,2-Dichloropropane	6.22	63	83993	5.062	ug/L	100
38) Bromodichloromethane	6.55	83	95350	5.039	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	113884	5.230	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	572171	54.973	ug/L	99
42) Toluene	7.43	91	339757	4.975	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	88514	5.488	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	52970	5.029	ug/L	95
47) Tetrachloroethene	8.02	164	64532	5.000	ug/L	95
48) 2-Hexanone	8.19	43	416732	56.944	ug/L	99
49) Dibromochloromethane	8.29	129	56918	5.377	ug/L	99
50) 1,2-Dibromoethane	8.40	107	49613	5.159	ug/L #	96
51) Chlorobenzene	8.92	112	209100	4.938	ug/L	100
52) Ethylbenzene	9.05	91	375159	4.978	ug/L	99
53) m,p-xylene	9.18	106	140022	5.059	ug/L	99
54) o-xylene	9.59	106	137898	5.096	ug/L	96
55) Styrene	9.60	104	230432	5.343	ug/L	98
56) Isopropylbenzene	9.97	105	363698	5.016	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	66929	5.344	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	49680	5.152	ug/L	100
61) Bromoform	9.77	173	27719	5.204	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	155596	4.863	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	157102	4.754	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	149944	4.921	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9172	5.255	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	117732	4.949	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	98255	5.329	ug/L	99
69) Naphthalene	13.55	128	174993	5.806	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	91273	5.326	ug/L	97

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

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Sample : VSTDCCC005

Misc : 25ML/MSV0A V/WATER

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

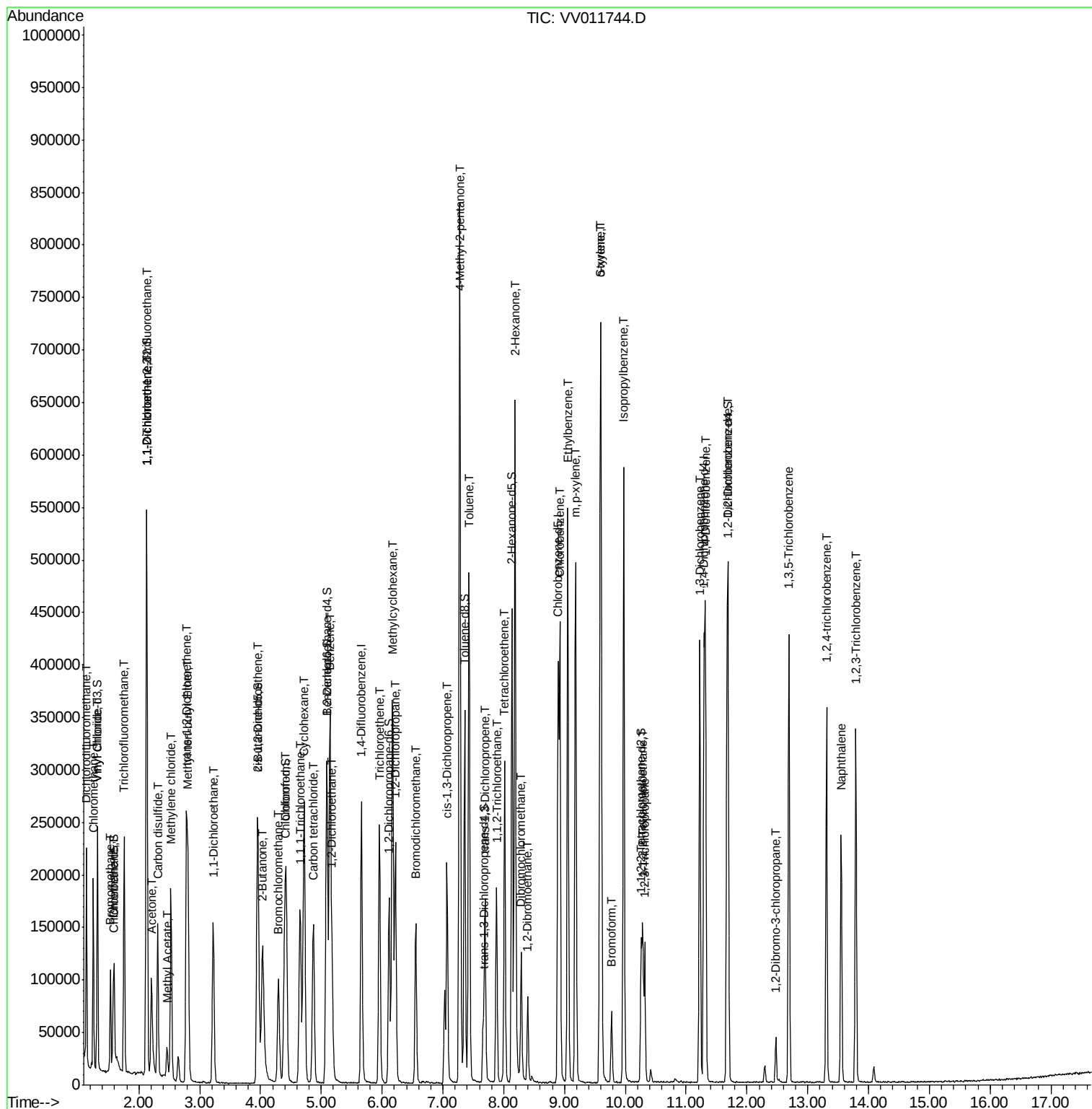
Quant Time: Jun 26 01:37:33 2019

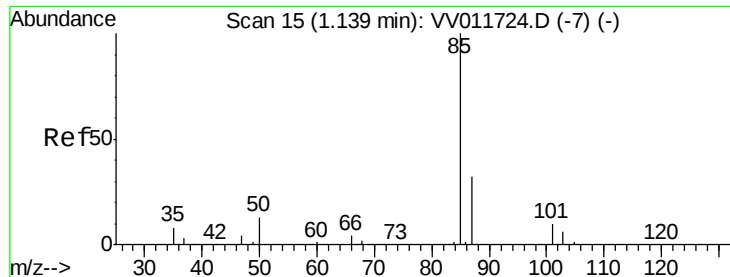
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR062119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 25 08:19:08 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.633 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

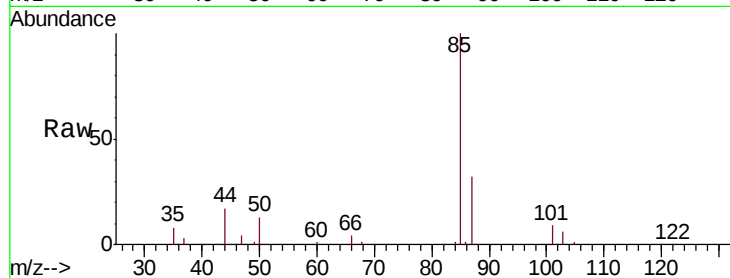
VSTD00549

Tgt Ion: 85 Resp: 102001

Ion Ratio Lower Upper

85 100

87 32.0 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV011724.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011724.D (-7) (-)

1.14

120000

100000

80000

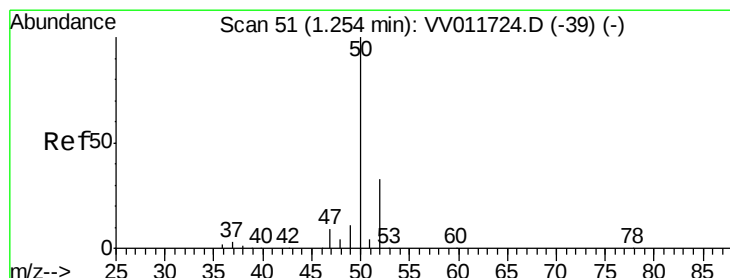
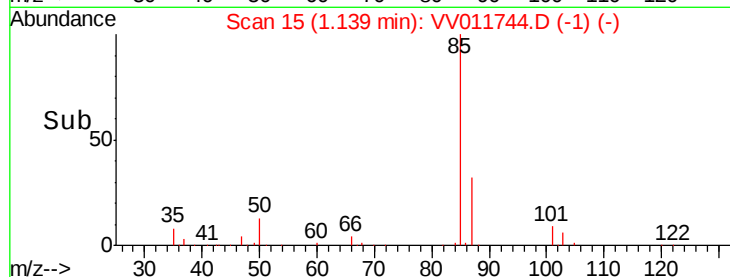
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.913 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011744.D

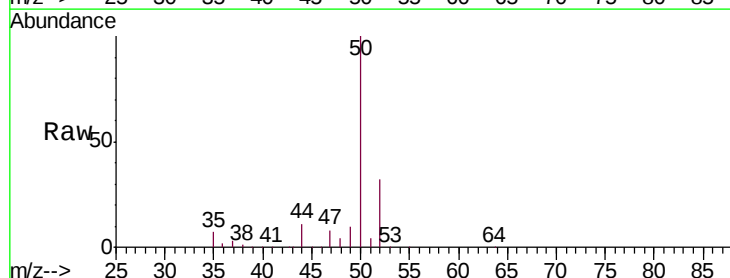
Acq: 25 Jun 2019 09:48

Tgt Ion: 50 Resp: 98139

Ion Ratio Lower Upper

50 100

52 32.3 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV011724.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV011724.D (-39) (-)

1.25

120000

100000

80000

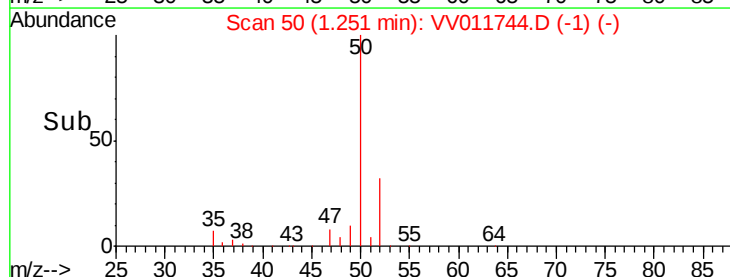
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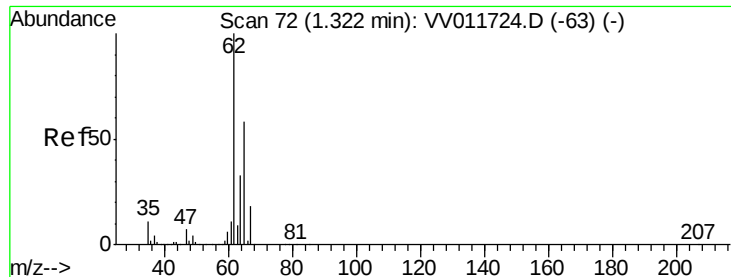
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.771 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

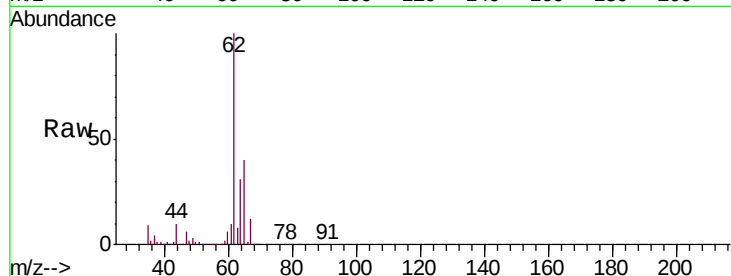
VSTD00549

Tgt Ion: 62 Resp: 93372

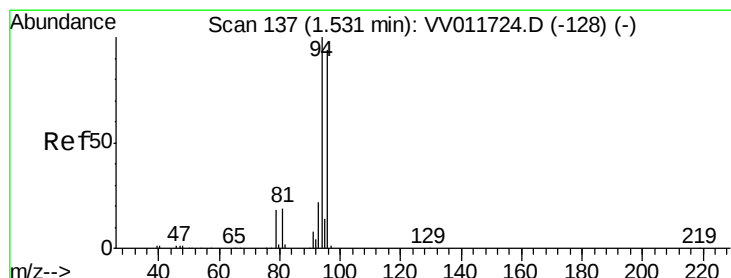
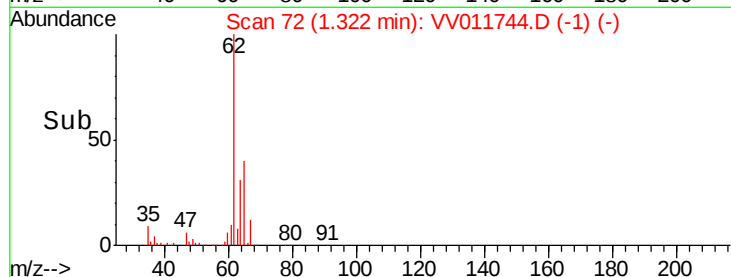
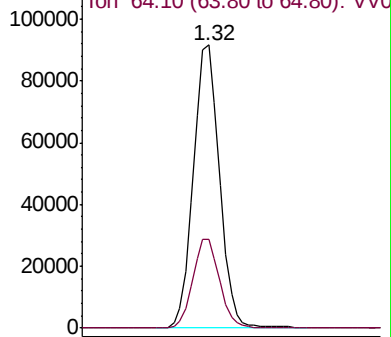
Ion Ratio Lower Upper

62 100

64 31.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV011724.D (-63) (-)



#6

Bromomethane

Concen: 4.148 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011744.D

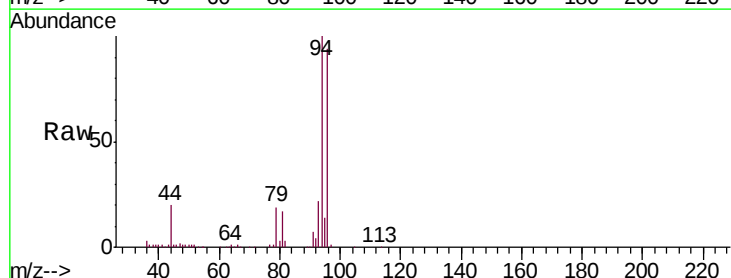
Acq: 25 Jun 2019 09:48

Tgt Ion: 94 Resp: 35384

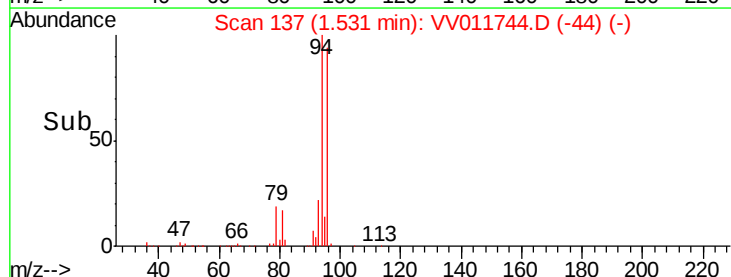
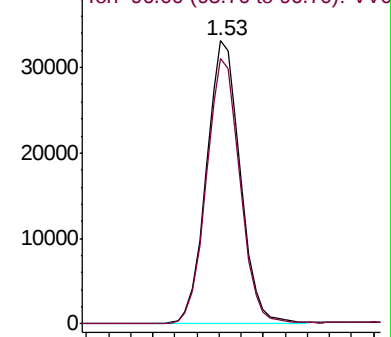
Ion Ratio Lower Upper

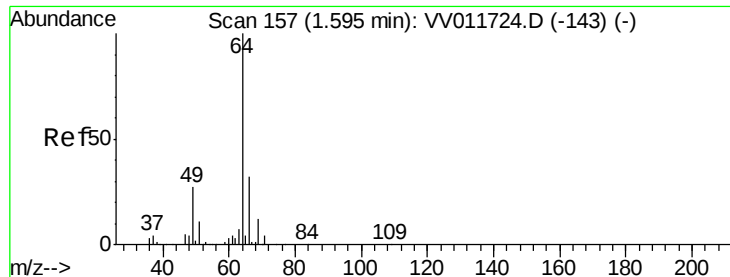
94 100

96 93.8 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV011724.D (-128) (-)





#8

Chloroethane

Concen: 4.432 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

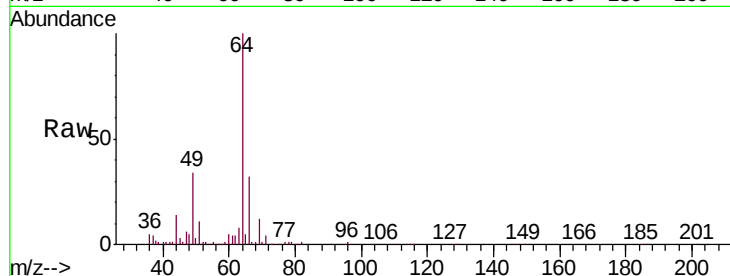
VSTD00549

Tgt Ion: 64 Resp: 45334

Ion Ratio Lower Upper

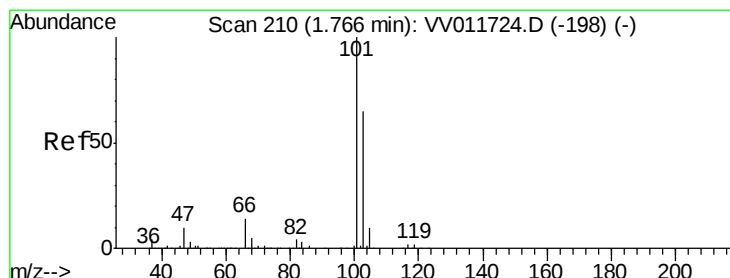
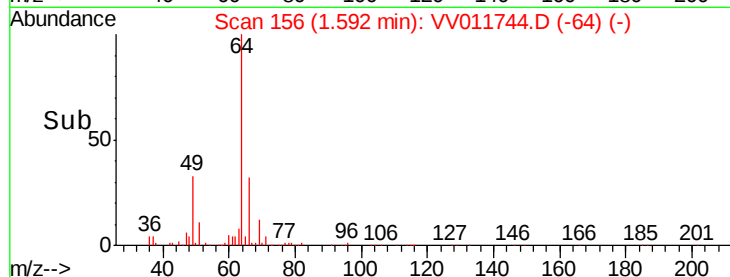
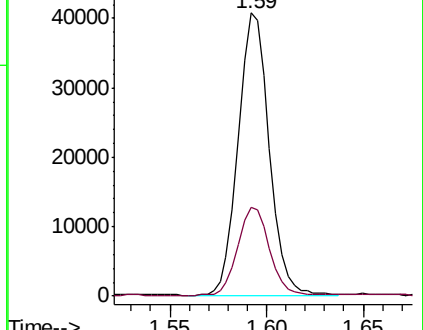
64 100

66 31.5 20.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VV011724.D (-143) (-)

Ion 66.05 (65.75 to 66.75): VV011724.D (-143) (-)



#9

Trichlorofluoromethane

Concen: 4.948 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV011744.D

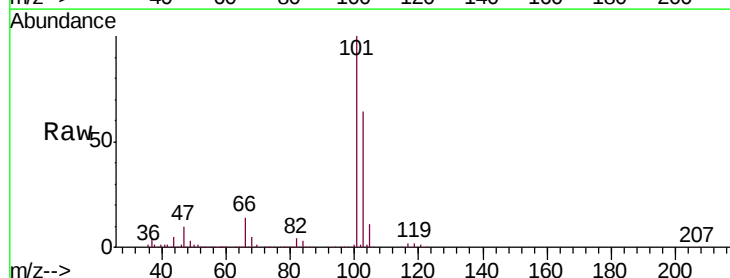
Acq: 25 Jun 2019 09:48

Tgt Ion: 101 Resp: 125282

Ion Ratio Lower Upper

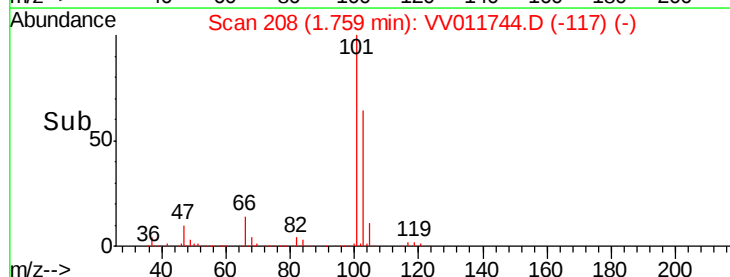
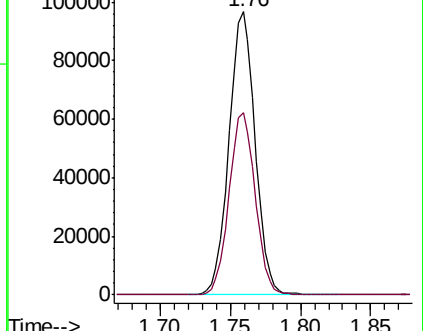
101 100

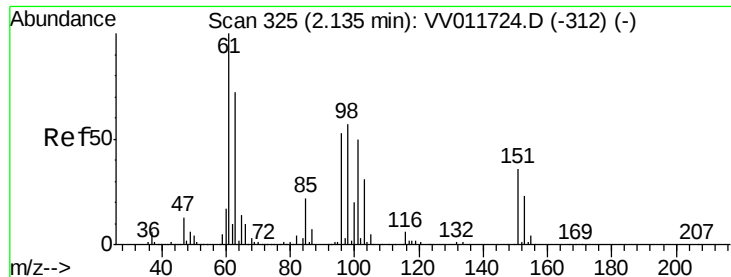
103 64.4 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV011724.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV011724.D (-198) (-)





#10

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

Concen: 4.995 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

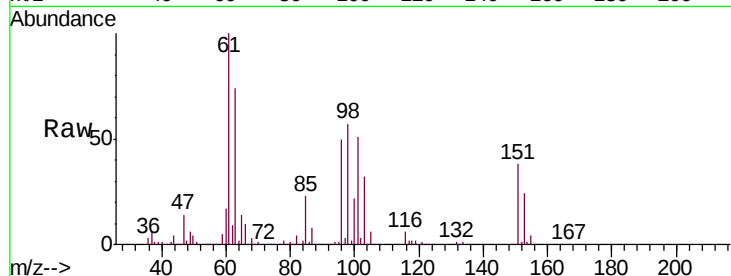
Tgt Ion:101 Resp: 71673

Ion Ratio Lower Upper

101 100

85 44.4 35.9 53.9

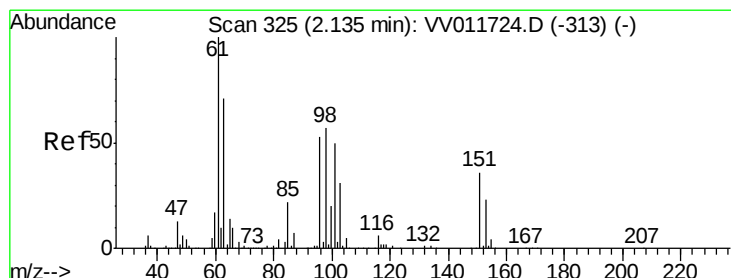
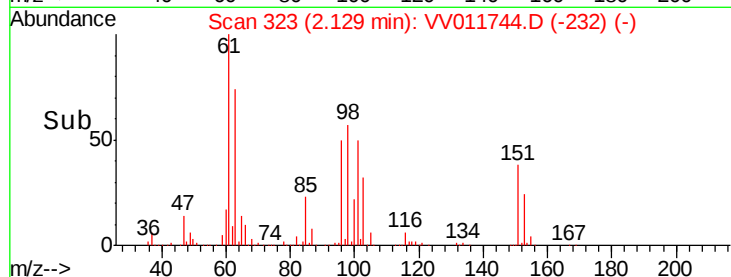
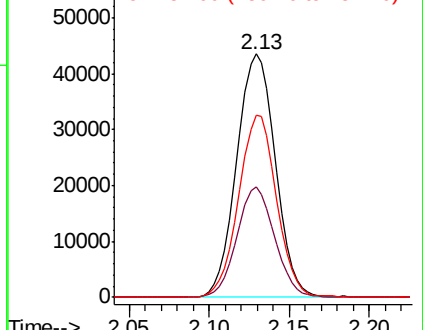
151 73.6 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.833 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

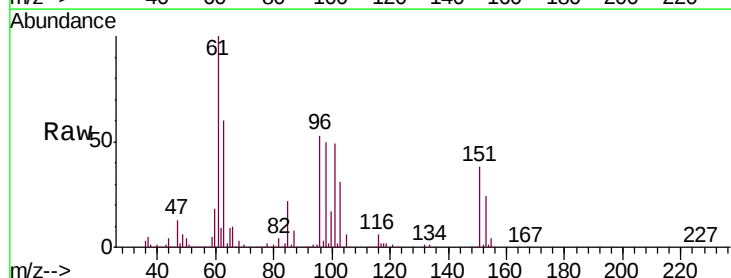
Tgt Ion: 96 Resp: 63302

Ion Ratio Lower Upper

96 100

61 187.5 131.5 244.1

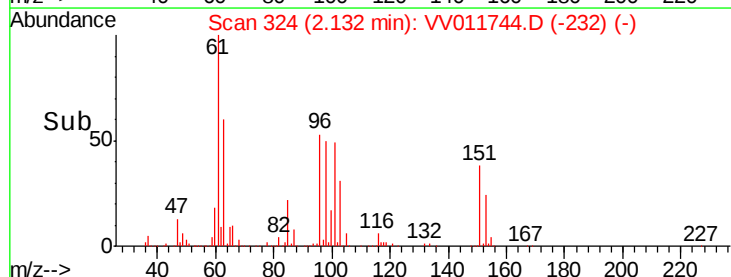
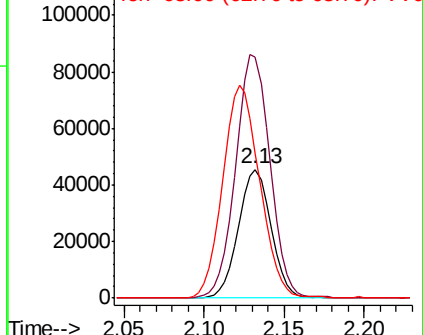
63 112.8 91.8 170.4

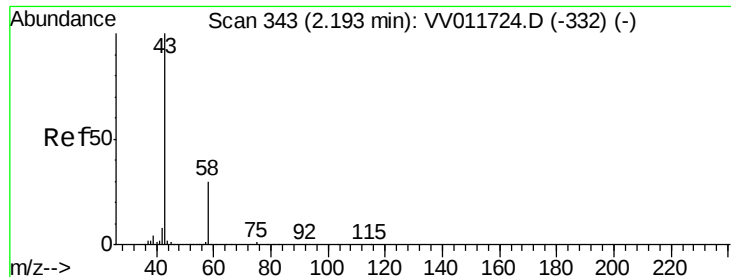


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.188 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

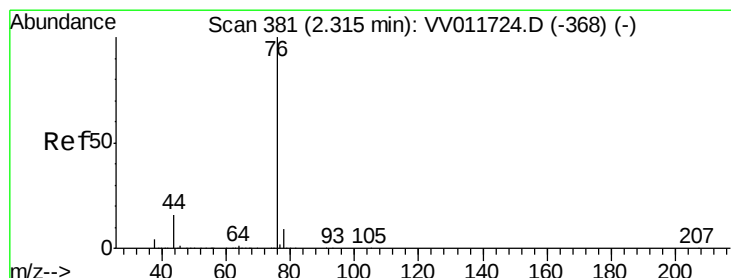
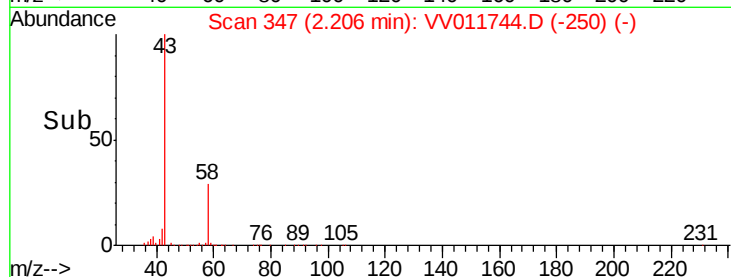
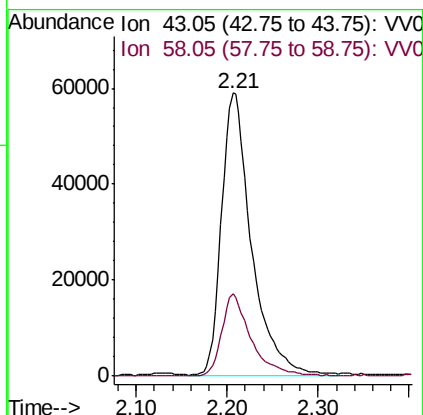
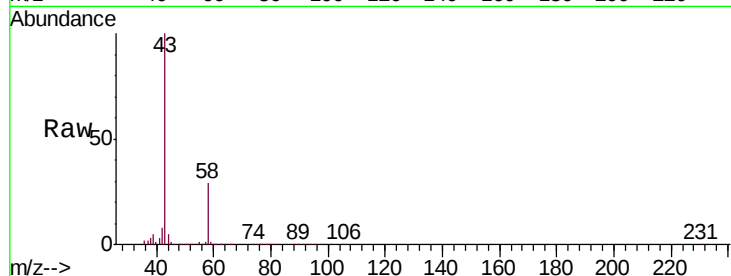
VSTD00549

Tgt Ion: 43 Resp: 134153

Ion Ratio Lower Upper

43 100

58 28.5 0.0 56.6



#14

Carbon disulfide

Concen: 4.527 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV011744.D

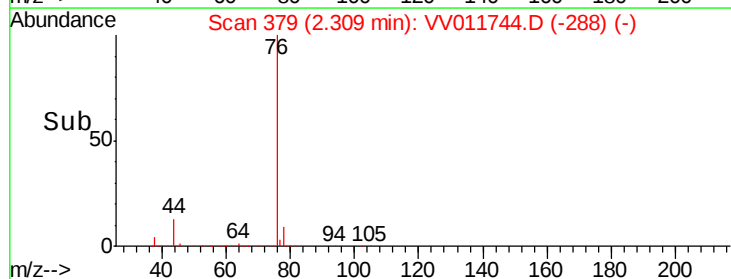
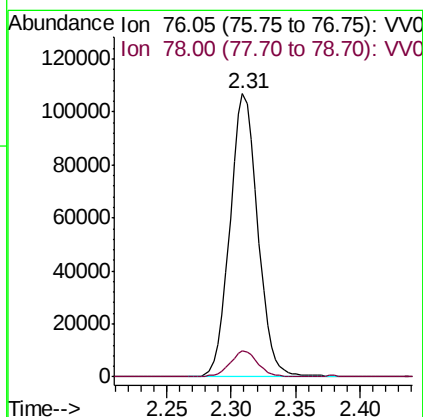
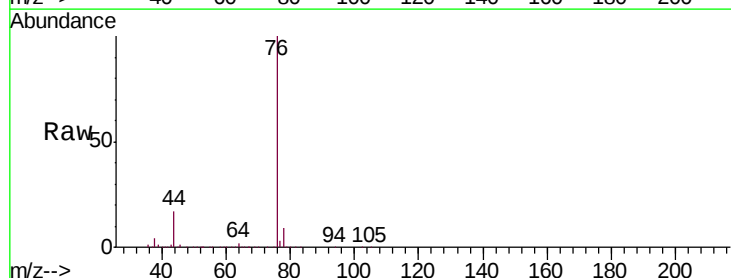
Acq: 25 Jun 2019 09:48

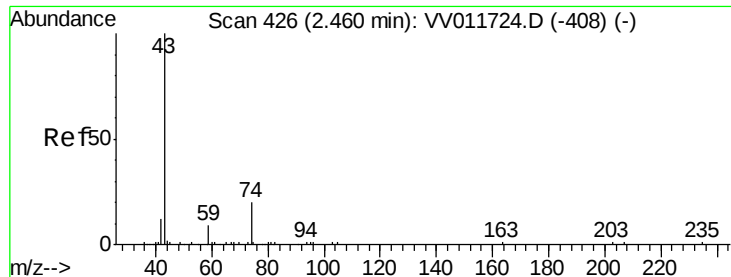
Tgt Ion: 76 Resp: 159594

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

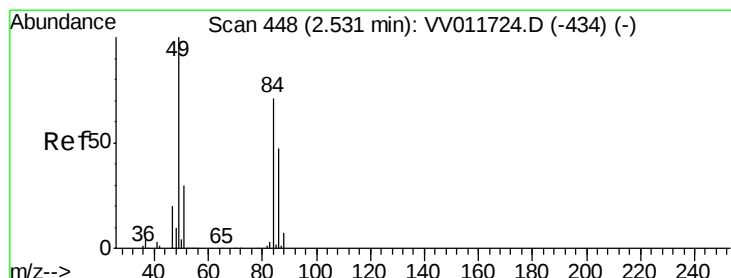
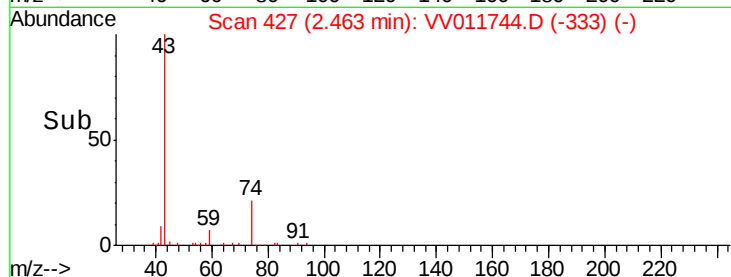
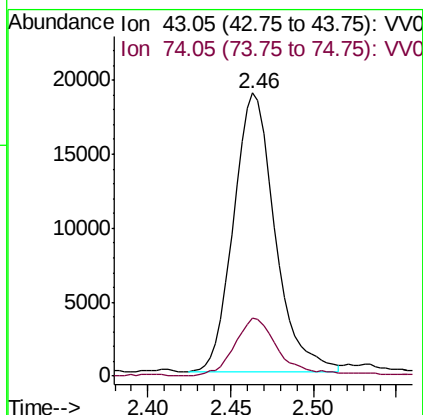
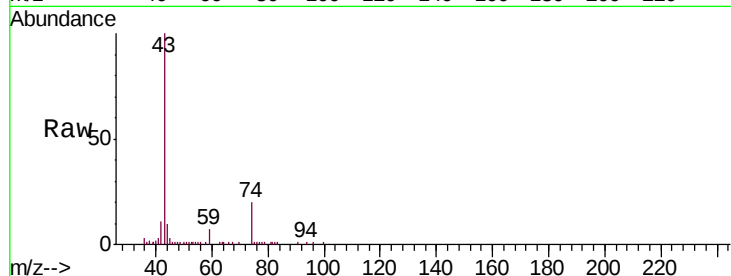




#15
Methyl Acetate
Concen: 4.938 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

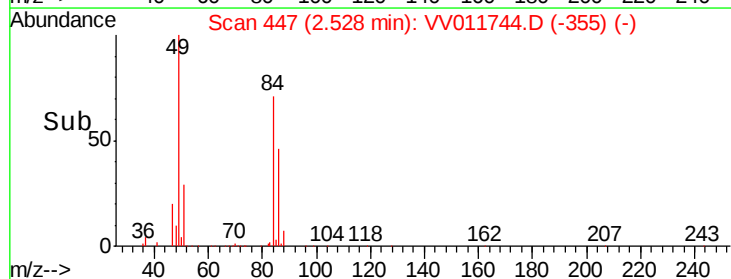
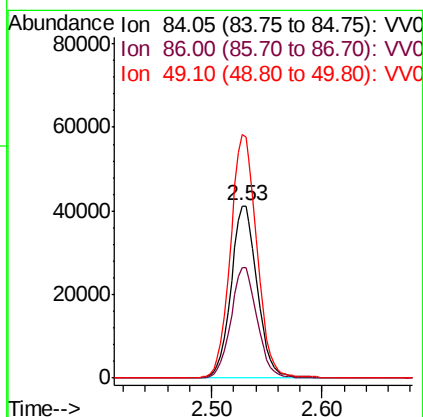
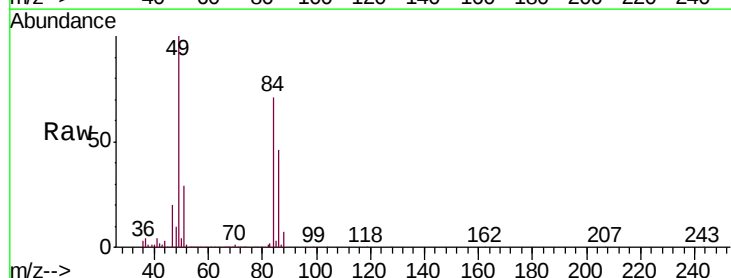
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

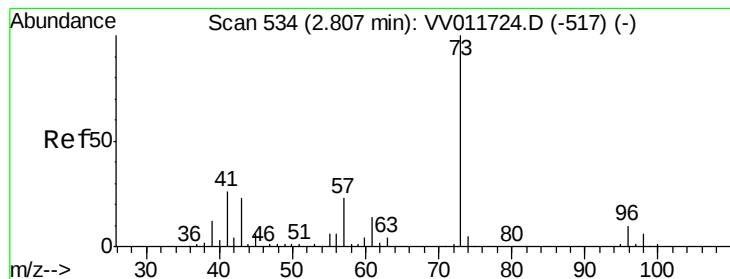
Tgt Ion: 43 Resp: 32869
Ion Ratio Lower Upper
43 100
74 21.3 16.2 24.2



#16
Methylene chloride
Concen: 4.677 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

Tgt Ion: 84 Resp: 68261
Ion Ratio Lower Upper
84 100
86 64.5 44.9 83.5
49 141.3 101.4 188.2





#17

Methyl tert-butyl Ether

Concen: 5.083 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

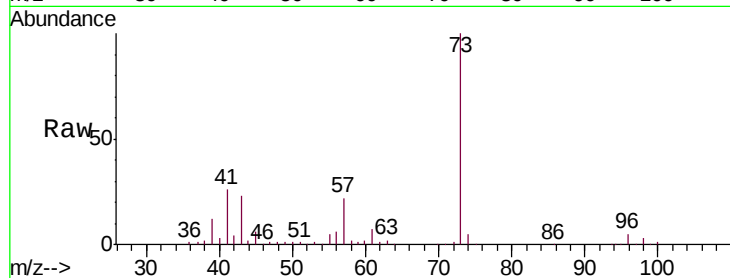
Tgt Ion: 73 Resp: 182118

Ion Ratio Lower Upper

73 100

43 23.3 18.9 28.3

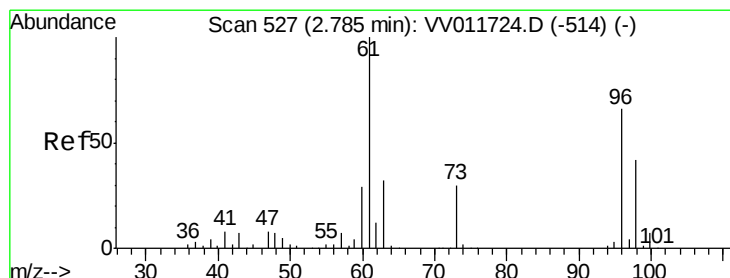
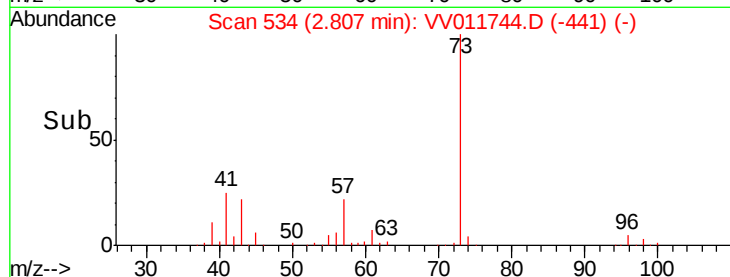
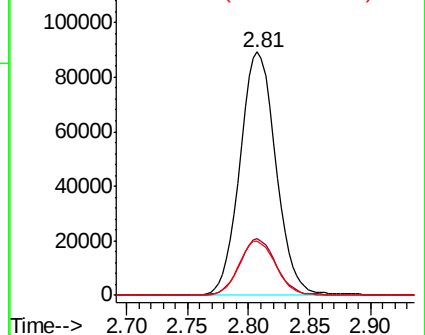
57 23.0 18.0 27.0



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: 4.981 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

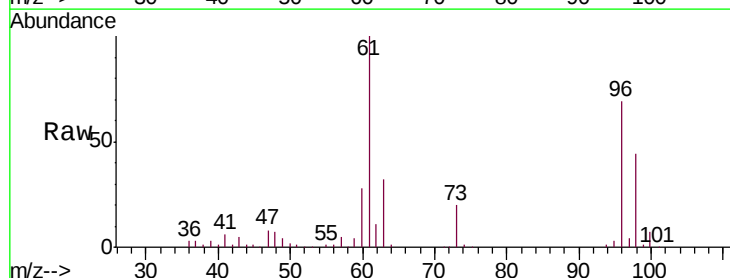
Tgt Ion: 96 Resp: 76707

Ion Ratio Lower Upper

96 100

61 144.1 109.3 203.1

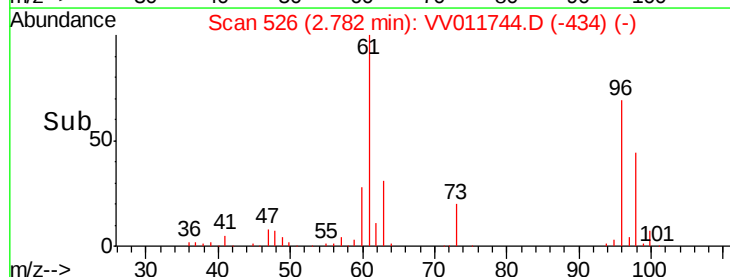
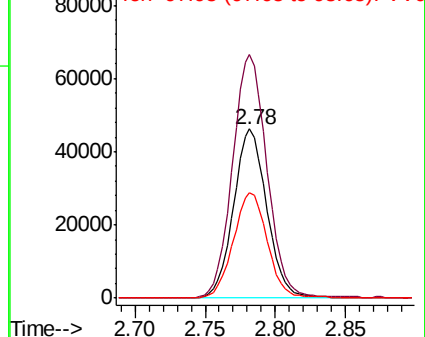
98 62.7 44.6 82.8

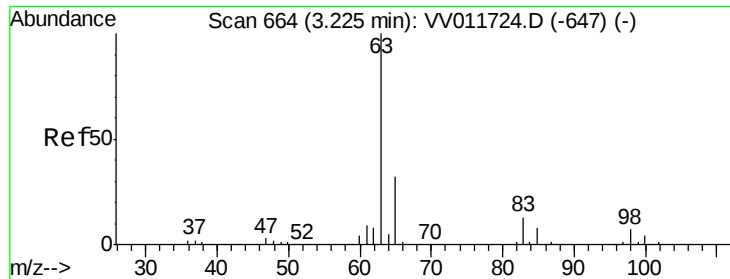


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

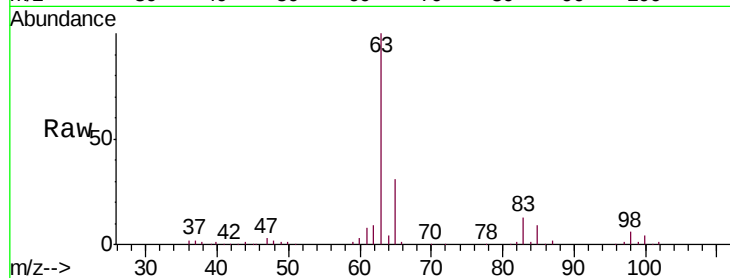




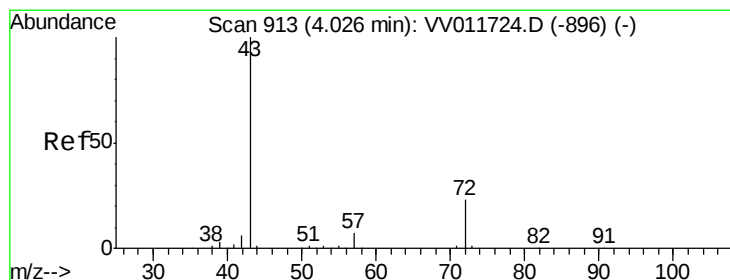
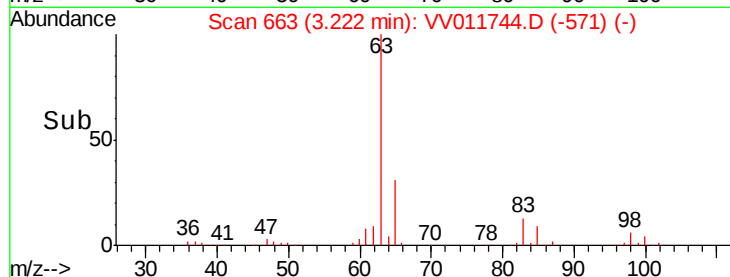
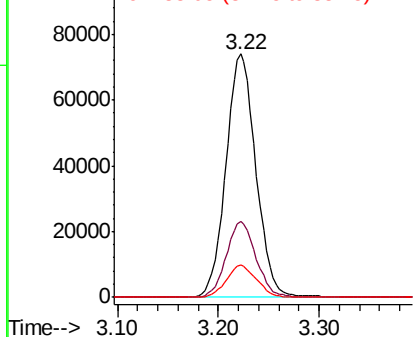
#19
 1,1-Dichloroethane
 Concen: 4.994 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion: 63 Resp: 152866
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.0 42.8
 83 13.2 9.5 17.7

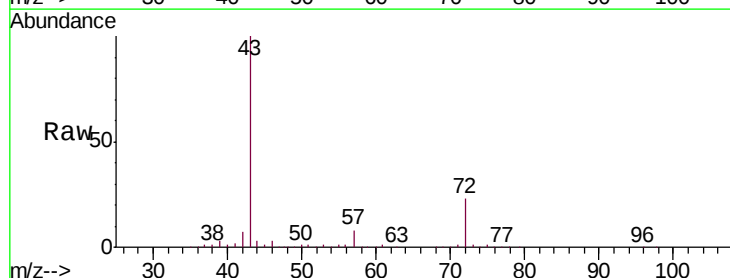


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

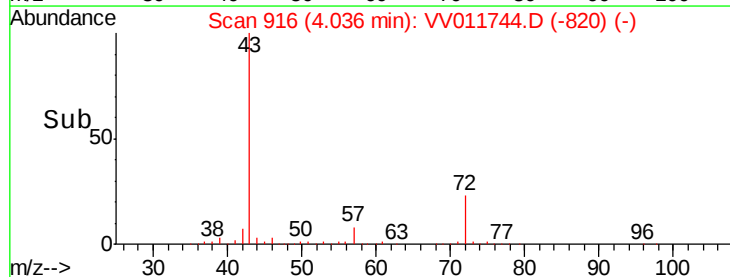
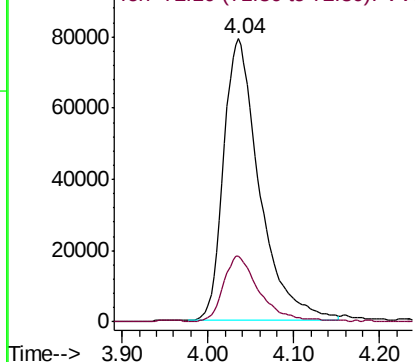


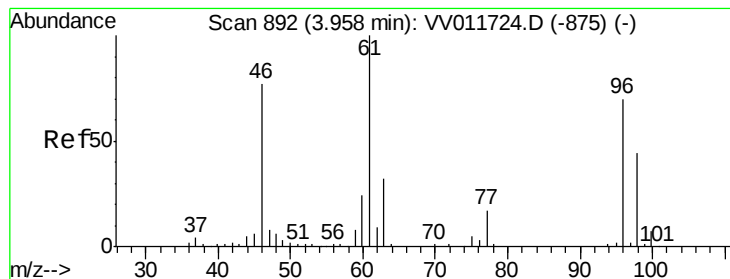
#21
 2-Butanone
 Concen: 53.545 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Tgt Ion: 43 Resp: 230598
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.9 32.6



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



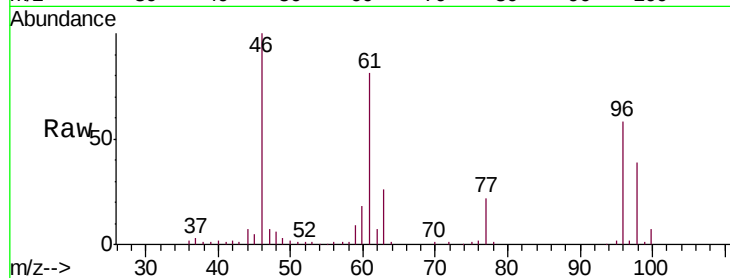


#22

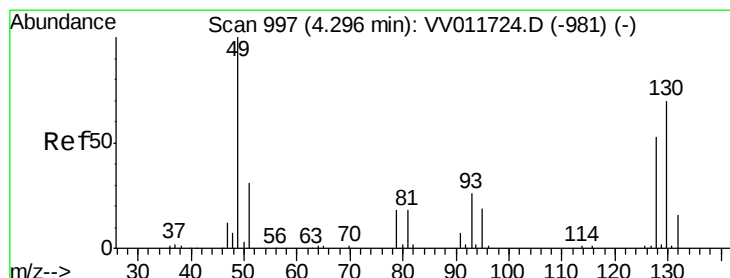
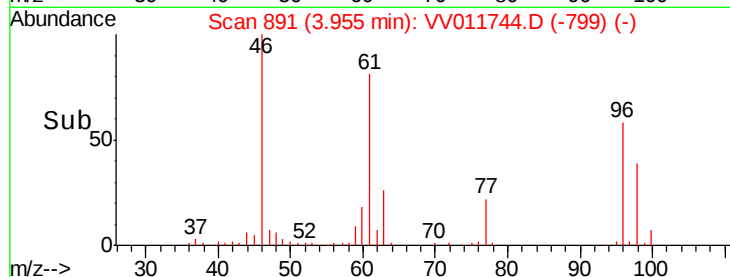
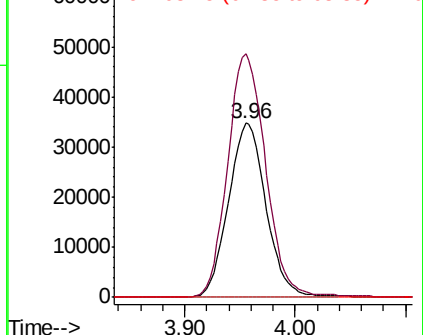
cis-1,2-Dichloroethene
 Concen: 4.864 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion: 96 Resp: 82319
 Ion Ratio Lower Upper
 96 100
 61 139.8 97.9 181.7
 68 0.0 0.0 0.0



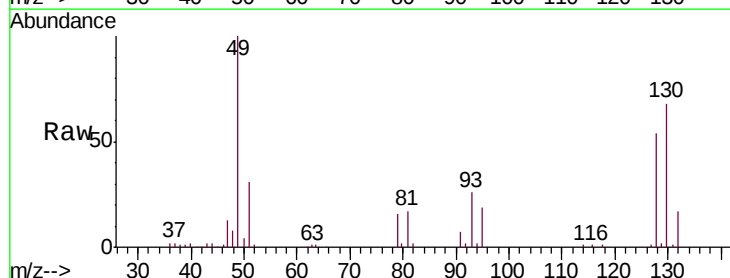
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



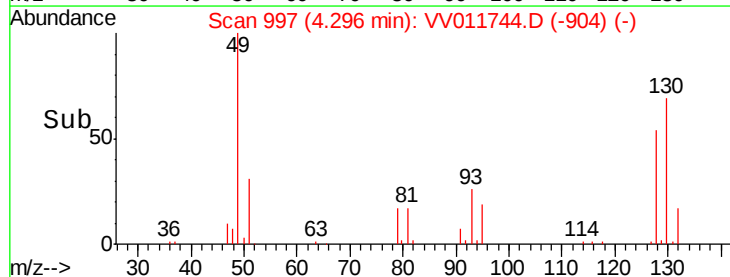
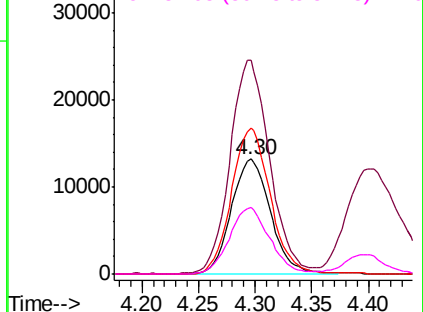
#23

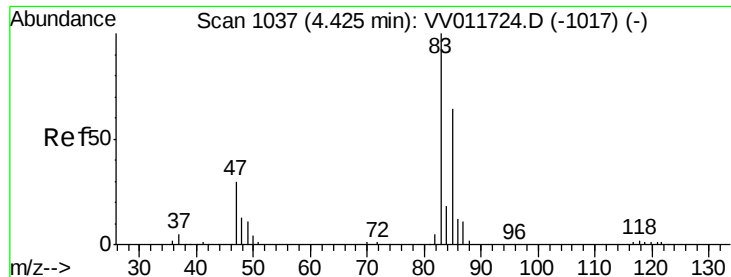
Bromochloromethane
 Concen: 4.987 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Tgt Ion: 128 Resp: 31802
 Ion Ratio Lower Upper
 128 100
 49 186.1 134.8 250.4
 130 127.4 91.2 169.4
 51 57.9 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

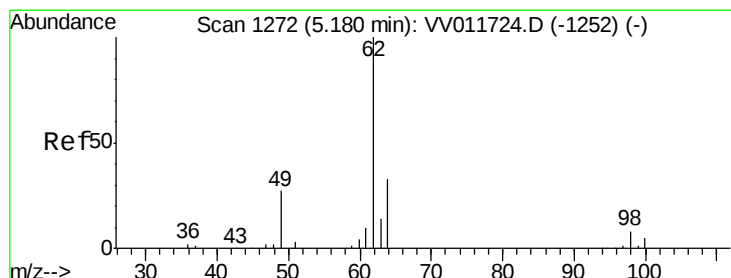
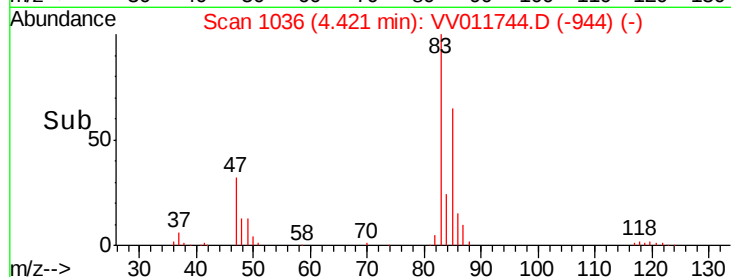
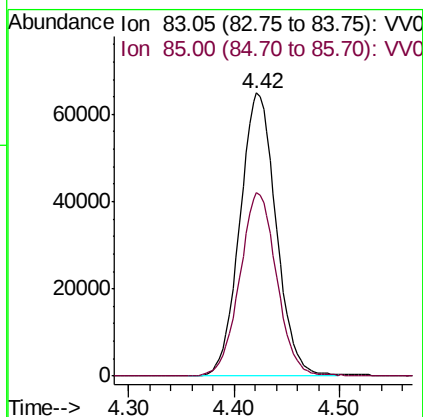
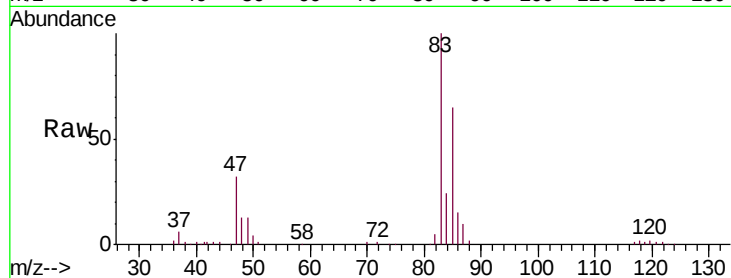




#25
Chloroform
Concen: 4.620 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

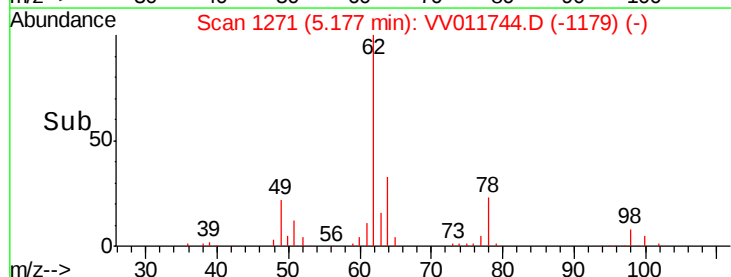
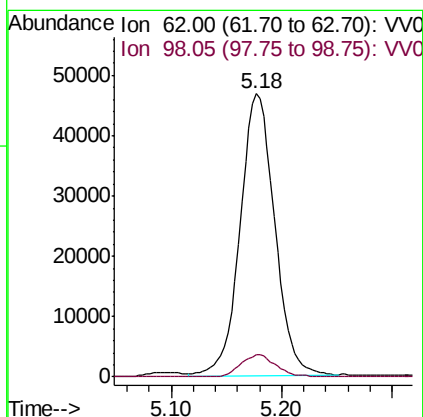
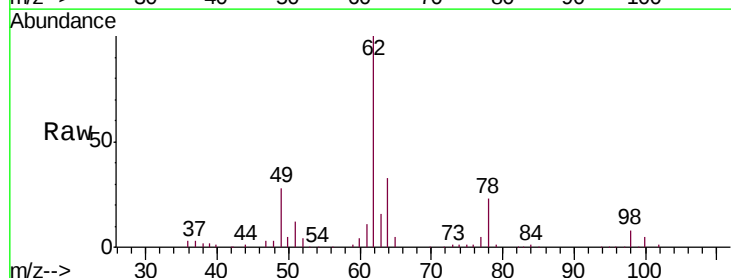
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

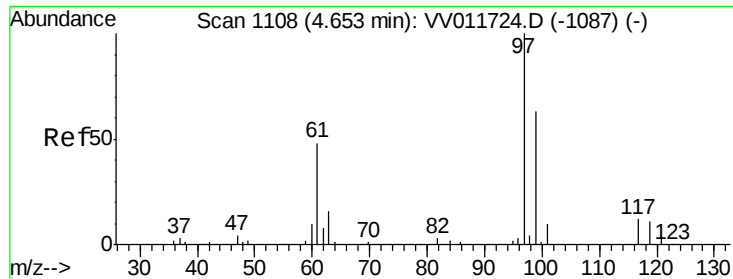
Tgt Ion: 83 Resp: 155282
Ion Ratio Lower Upper
83 100
85 64.6 47.0 87.2



#27
1,2-Dichloroethane
Concen: 4.985 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

Tgt Ion: 62 Resp: 101522
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4

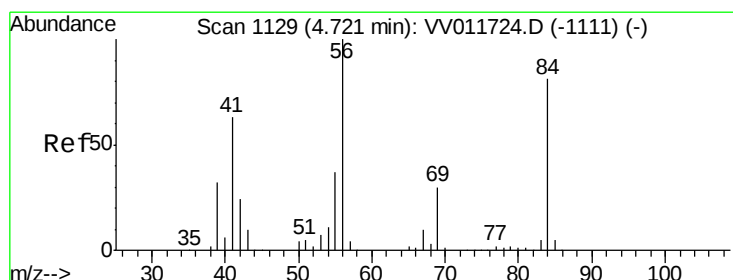
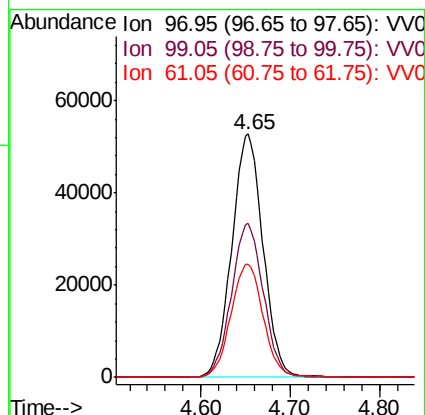
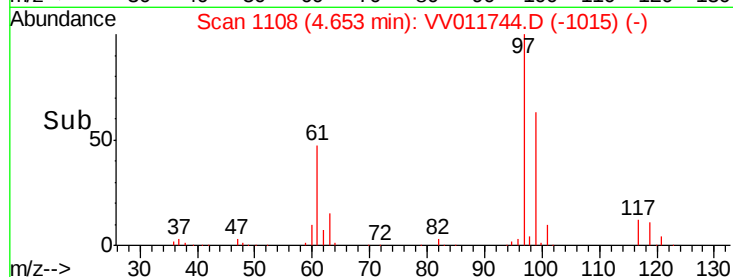
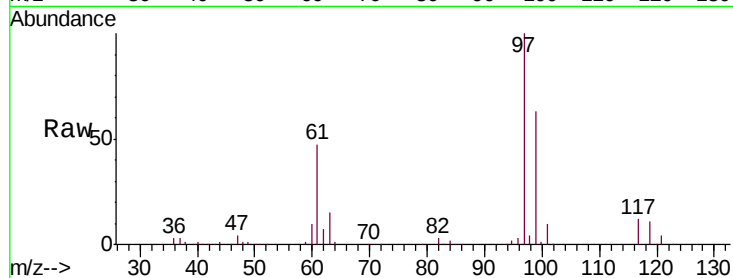




#29
 1,1,1-Trichloroethane
 Concen: 5.030 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

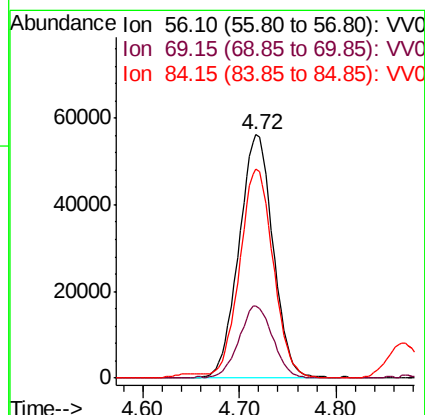
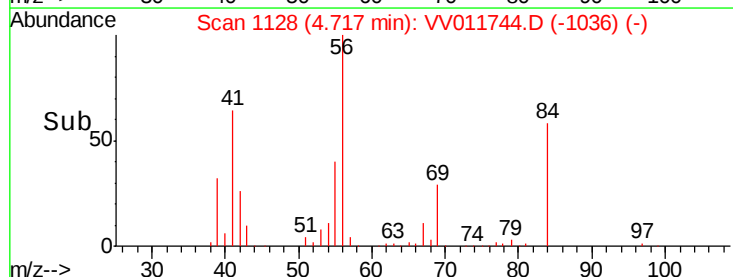
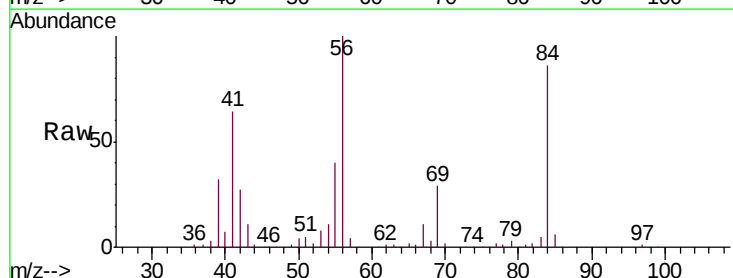
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

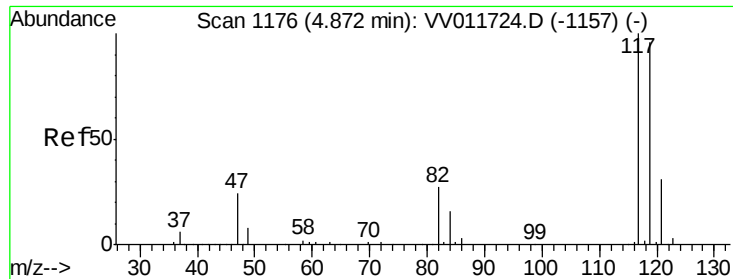
Tgt Ion: 97 Resp: 127660
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.6 77.4
 61 48.1 39.8 59.6



#30
 Cyclohexane
 Concen: 4.750 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Tgt Ion: 56 Resp: 137720
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.2 34.8
 84 85.2 65.0 97.4

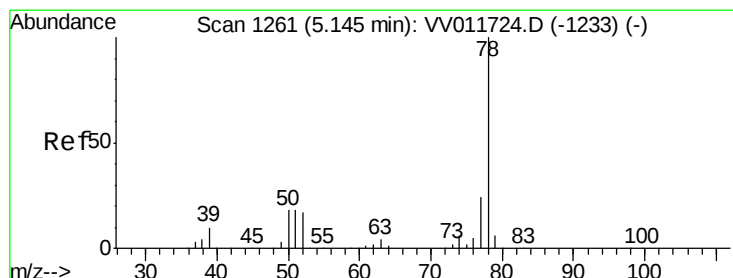
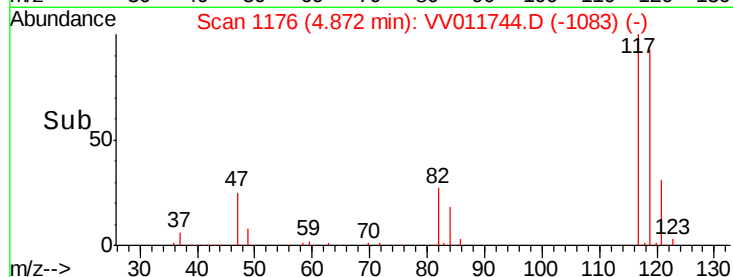
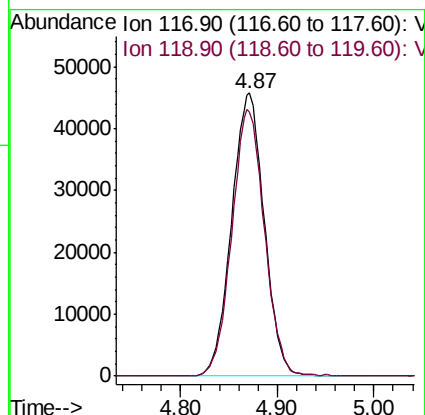
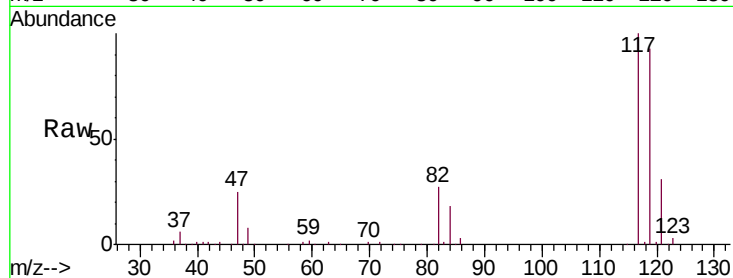




#31
Carbon tetrachloride
Concen: 4.985 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

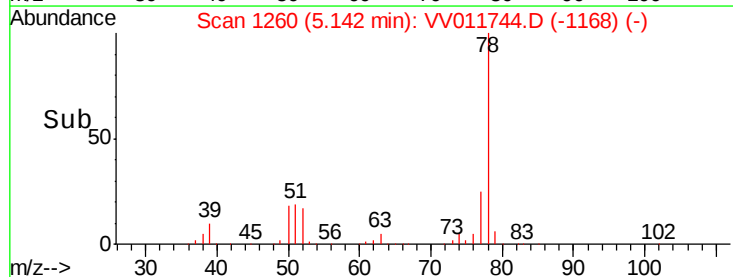
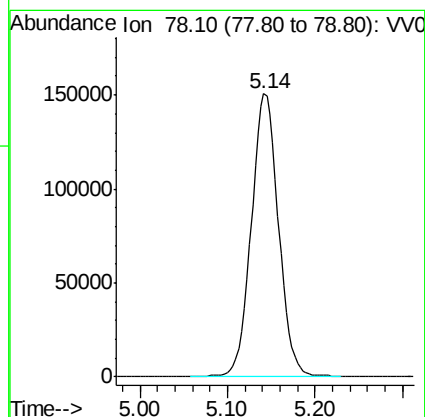
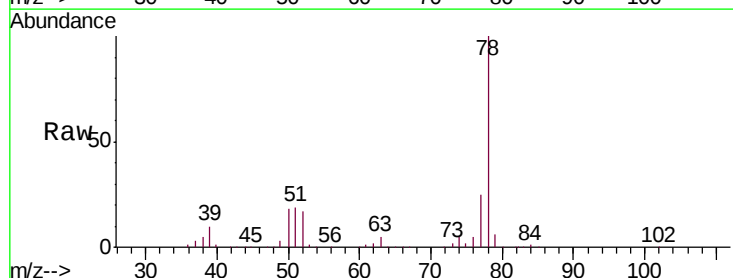
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

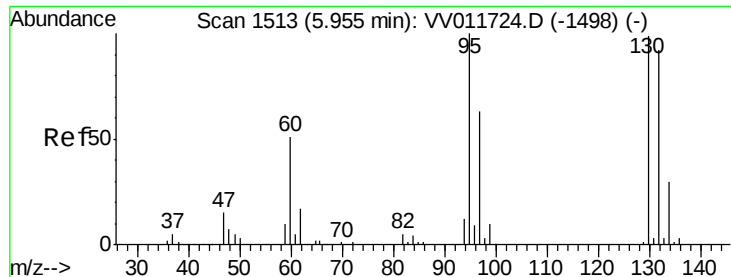
Tgt Ion:117 Resp: 106947
Ion Ratio Lower Upper
117 100
119 94.0 77.1 115.7



#33
Benzene
Concen: 4.978 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

Tgt Ion: 78 Resp: 325324





#34

Trichloroethene

Concen: 4.792 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

Tgt Ion: 95 Resp: 83044

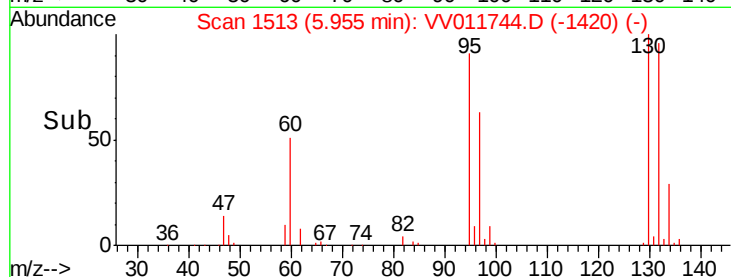
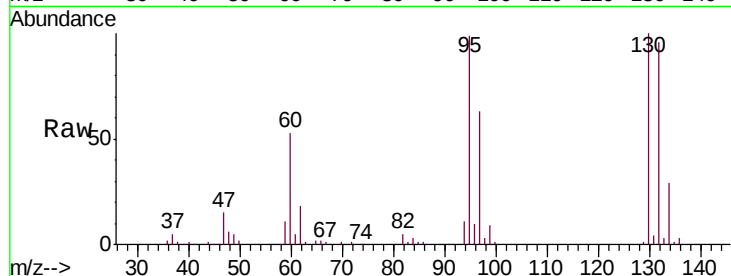
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.5

132 97.3 65.0 120.6

130 101.0 67.1 124.7

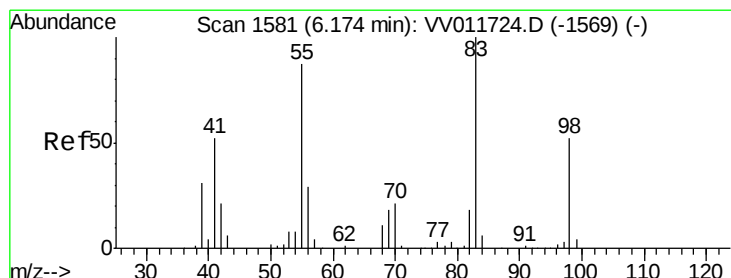
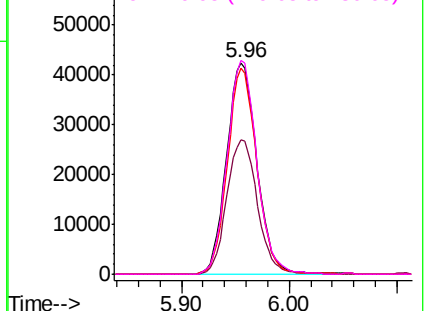


Abundance Ion 95.00 (94.70 to 95.70): VV011744.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV011744.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV011744.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV011744.D (-1420) (-)



#35

Methylcyclohexane

Concen: 5.008 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

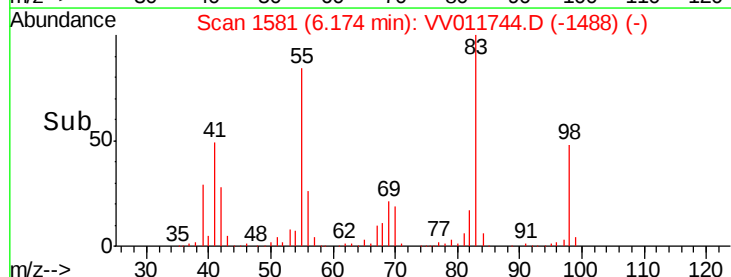
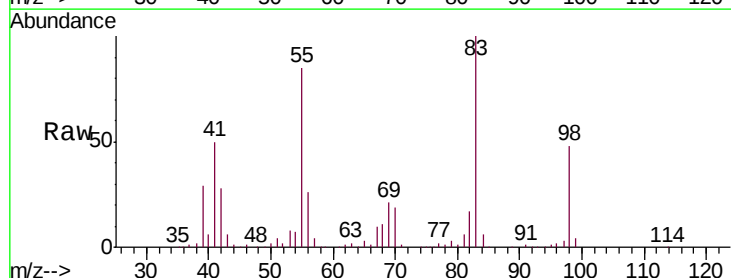
Tgt Ion: 83 Resp: 140128

Ion Ratio Lower Upper

83 100

55 82.3 69.4 104.2

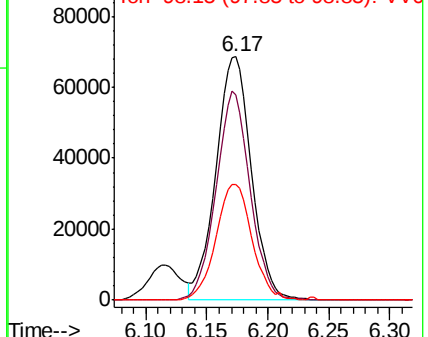
98 48.4 40.2 60.4

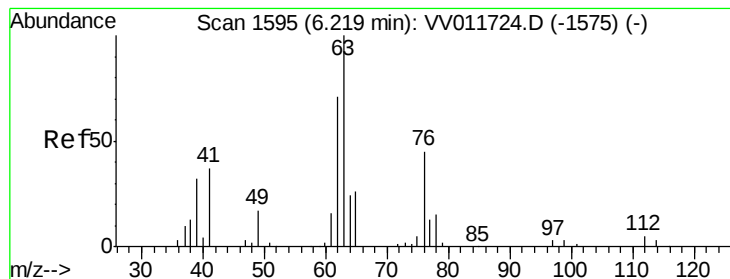


Abundance Ion 83.15 (82.85 to 83.85): VV011744.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV011744.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV011744.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 5.062 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

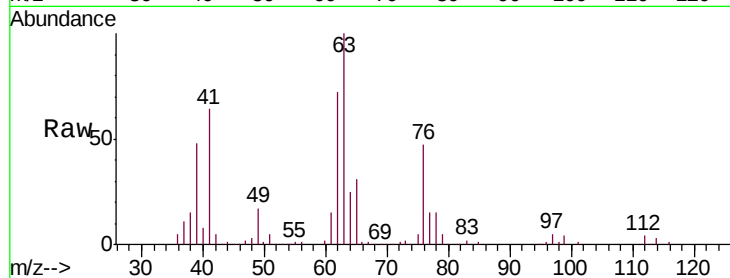
VSTD00549

Tgt Ion: 63 Resp: 83993

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2

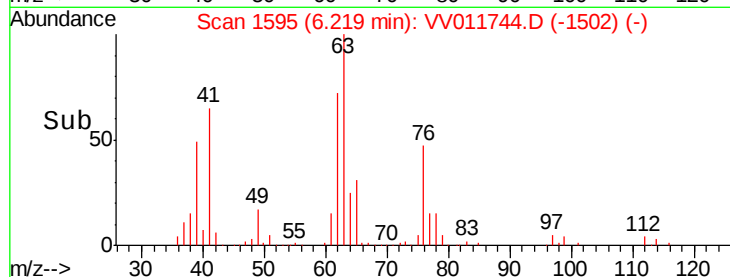


Abundance Ion 63.10 (62.80 to 63.80): VV011724.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV011724.D (-1575) (-)

6.22

Time-->



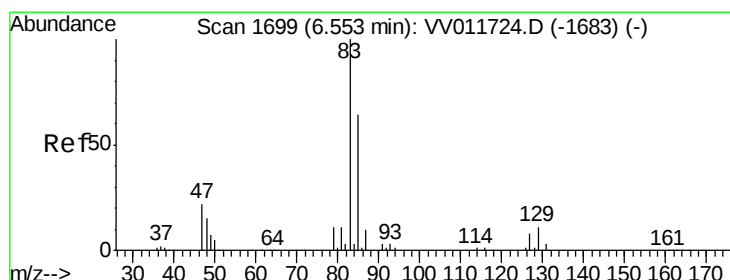
Abundance

Ion 63.10 (62.80 to 63.80): VV011724.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV011724.D (-1575) (-)

6.22

Time-->



#38

Bromodichloromethane

Concen: 5.039 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

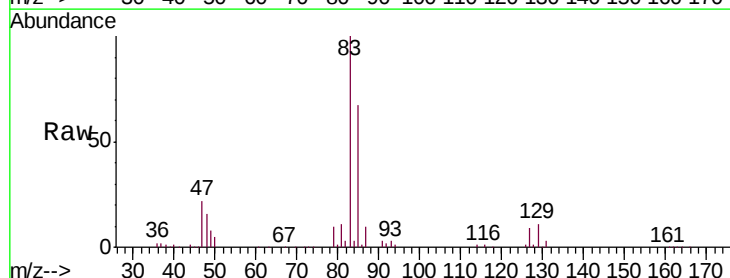
Tgt Ion: 83 Resp: 95350

Ion Ratio Lower Upper

83 100

85 67.1 44.5 82.7

127 8.6 6.2 9.2



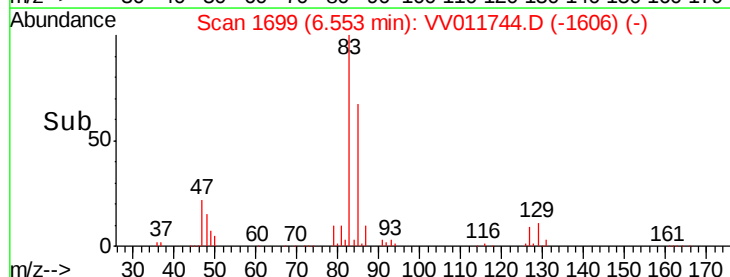
Abundance Ion 82.95 (82.65 to 83.65): VV011724.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV011724.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV011724.D (-1683) (-)

6.55

Time-->



Abundance

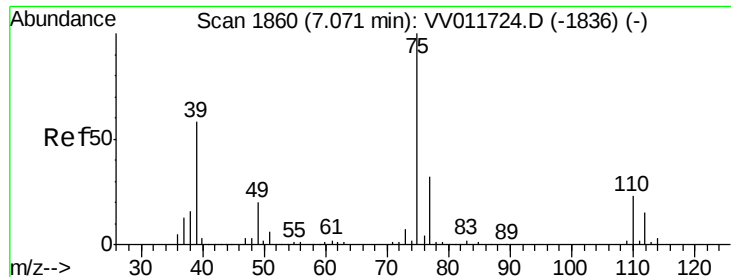
Ion 82.95 (82.65 to 83.65): VV011724.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV011724.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV011724.D (-1683) (-)

6.55

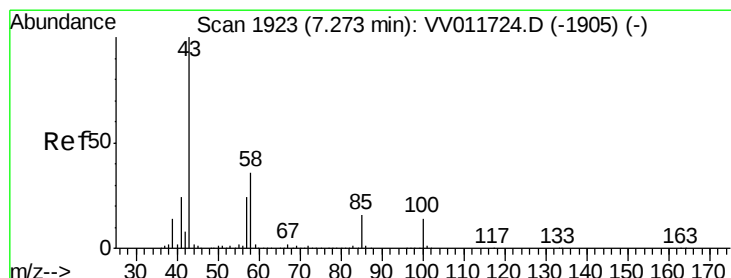
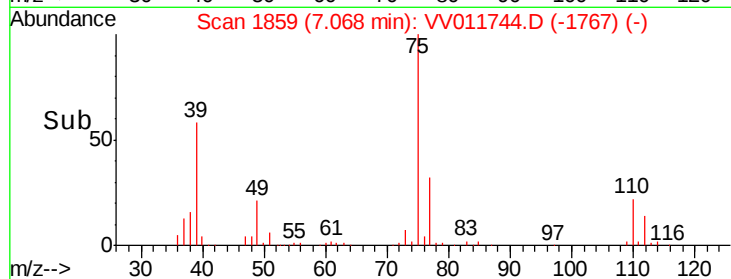
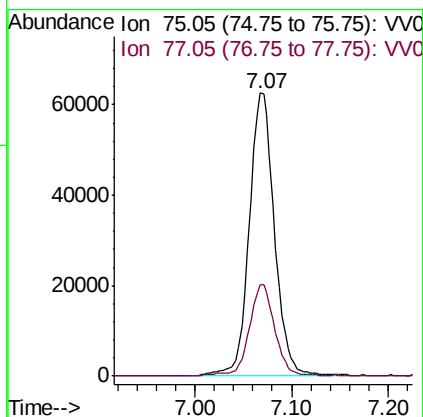
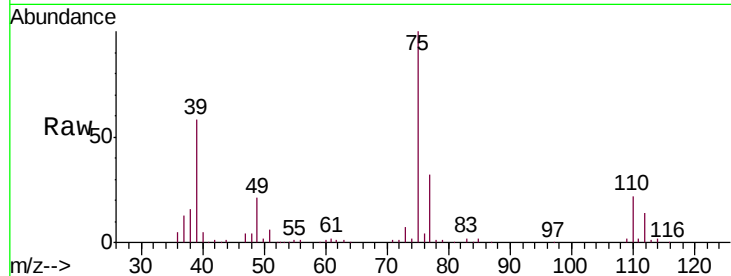
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 5.230 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

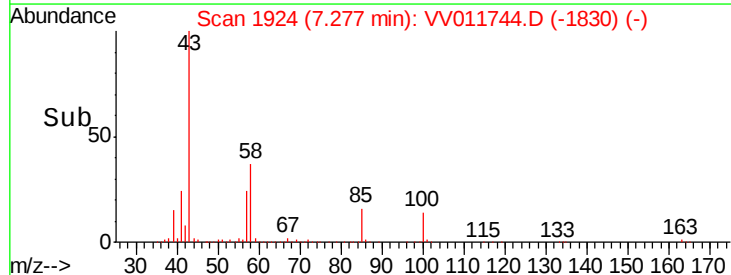
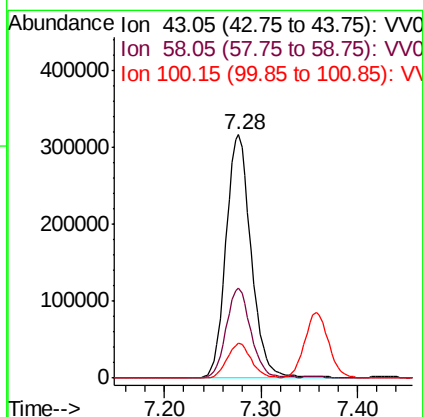
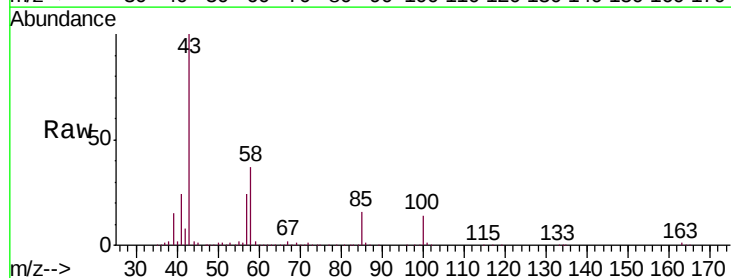
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

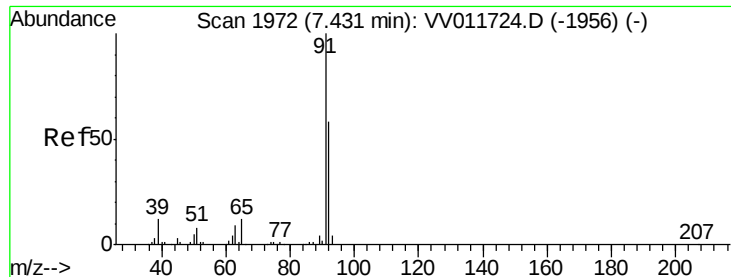
Tgt Ion: 75 Resp: 113884
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 54.973 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Tgt Ion: 43 Resp: 572171
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.6 43.0
 100 13.9 10.7 16.1





#42

Toluene

Concen: 4.975 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

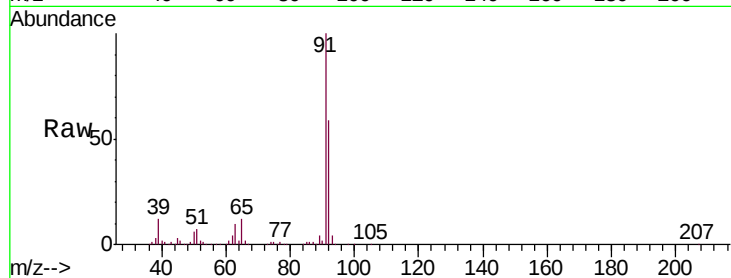
VSTD00549

Tgt Ion: 91 Resp: 339757

Ion Ratio Lower Upper

91 100

92 58.8 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

150000

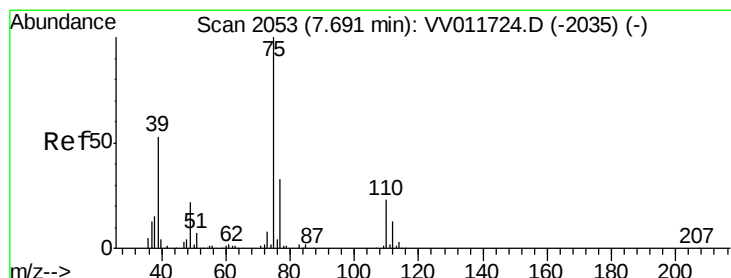
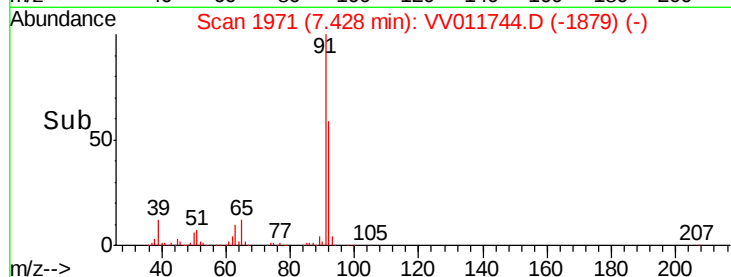
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.488 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011744.D

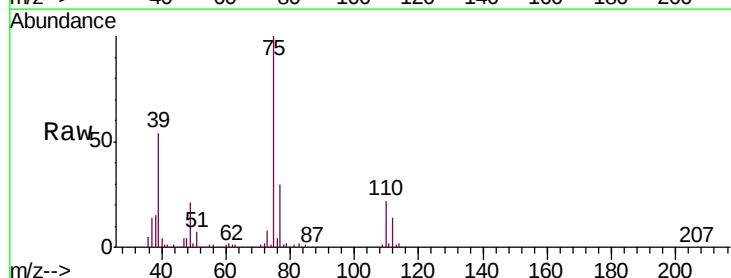
Acq: 25 Jun 2019 09:48

Tgt Ion: 75 Resp: 88514

Ion Ratio Lower Upper

75 100

77 30.2 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

60000

50000

40000

30000

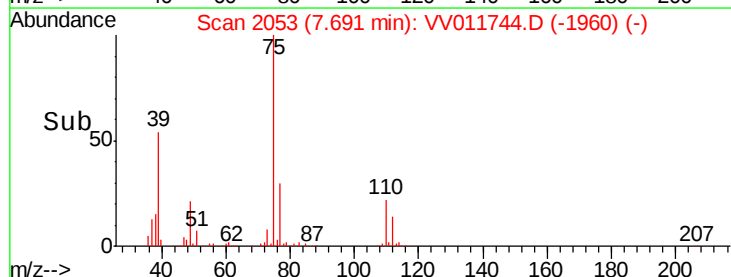
20000

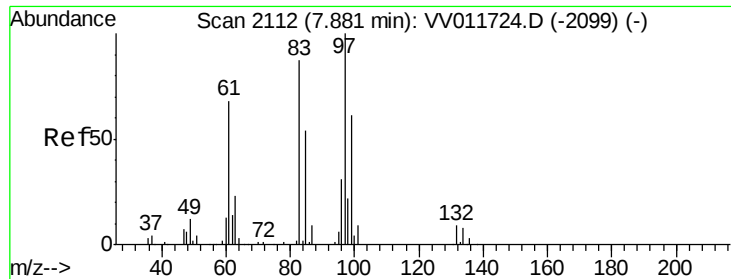
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

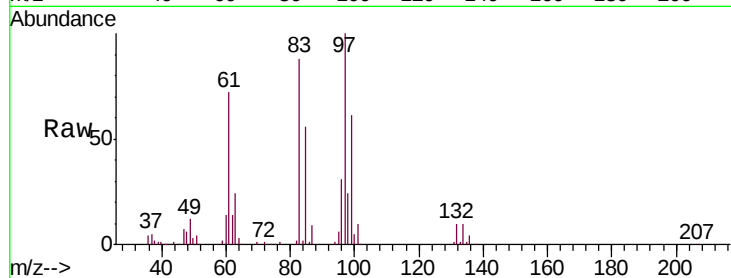




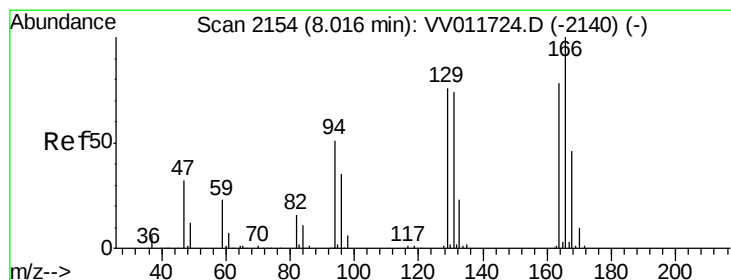
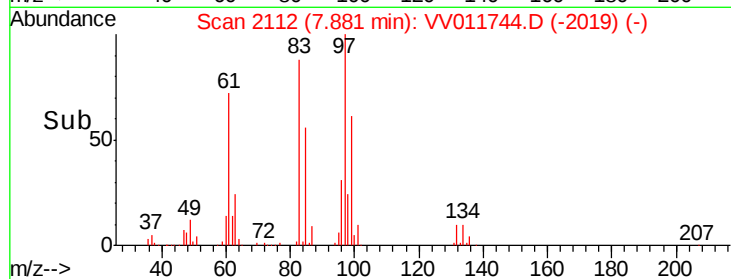
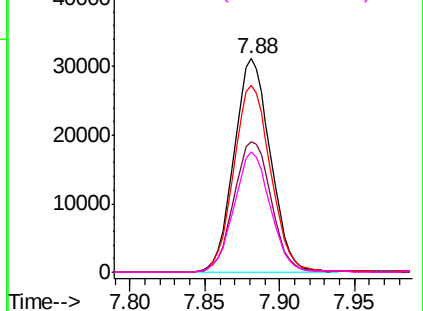
#45
 1,1,2-Trichloroethane
 Concen: 5.029 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion:	97	Resp:	52970
Ion	Ratio	Lower	Upper
97	100		
99	60.9	45.7	84.9
83	87.6	65.0	120.6
85	56.4	42.4	78.6

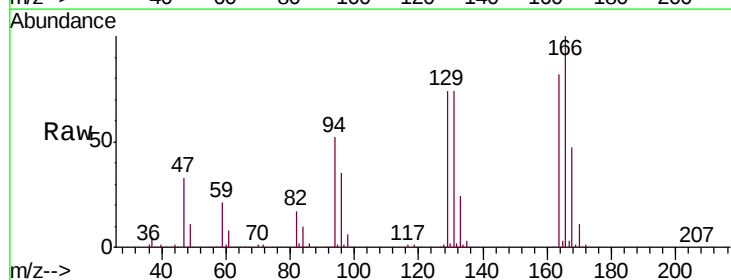


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

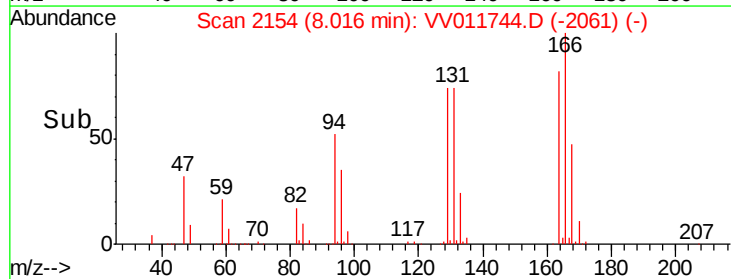
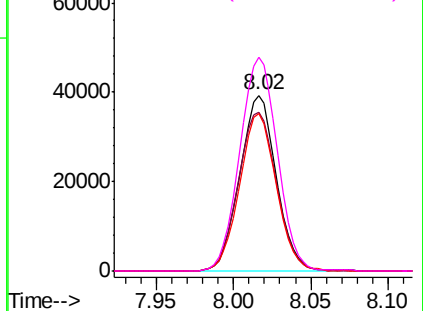


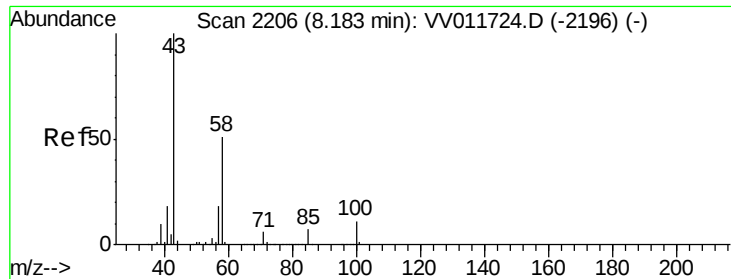
#47
 Tetrachloroethene
 Concen: 5.000 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Tgt Ion:	164	Resp:	64532
Ion	Ratio	Lower	Upper
164	100		
129	90.1	69.7	129.5
131	89.2	64.6	120.0
166	121.3	86.4	160.4



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

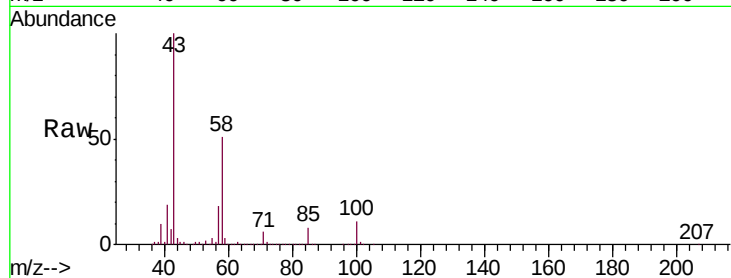




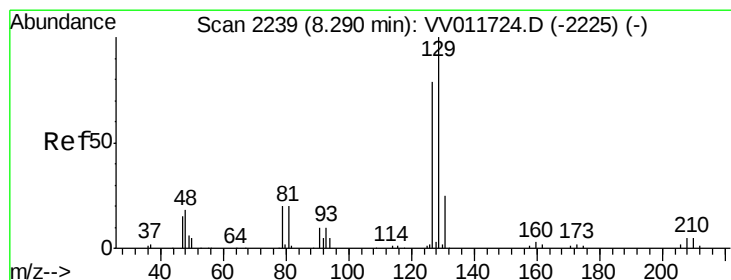
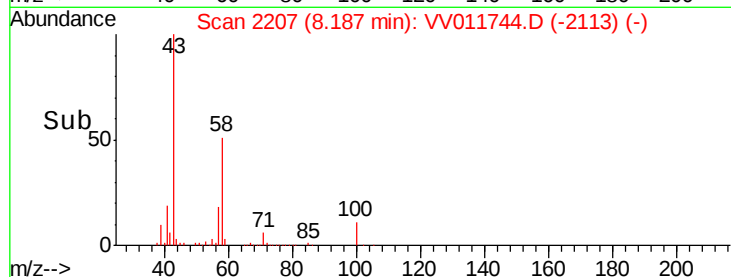
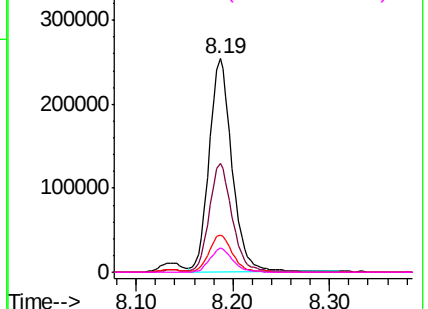
#48
2-Hexanone
Concen: 56.944 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion: 43 Resp: 416732
Ion Ratio Lower Upper
43 100
58 51.0 40.1 60.1
57 17.7 14.4 21.6
100 11.3 8.6 12.8

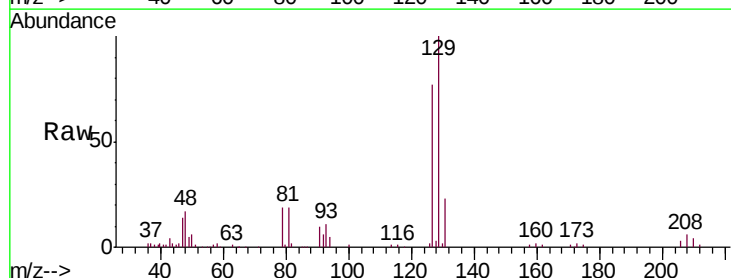


Abundance Ion 43.05 (42.75 to 43.75): VV011744.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV011744.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV011744.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV011744.D (-2196) (-)

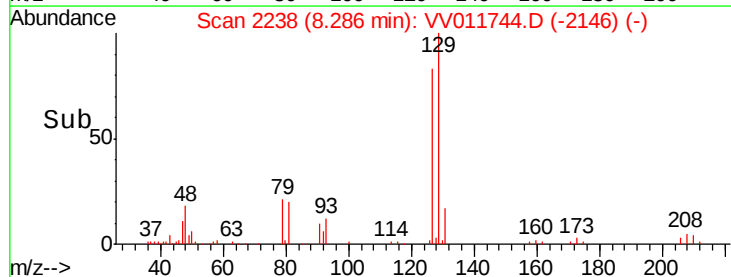
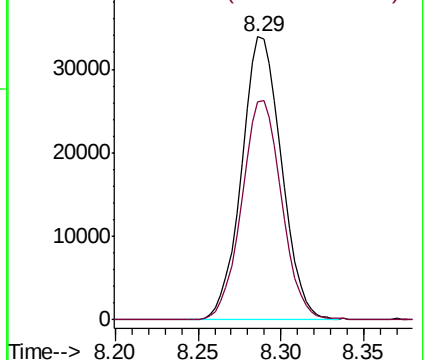


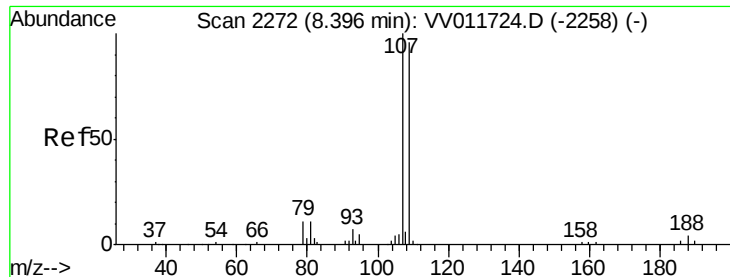
#49
Dibromochloromethane
Concen: 5.377 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

Tgt Ion: 129 Resp: 56918
Ion Ratio Lower Upper
129 100
127 77.1 53.5 99.5



Abundance Ion 128.95 (128.65 to 129.65): VV011744.D (-2225) (-)
Ion 126.90 (126.60 to 127.60): VV011744.D (-2225) (-)

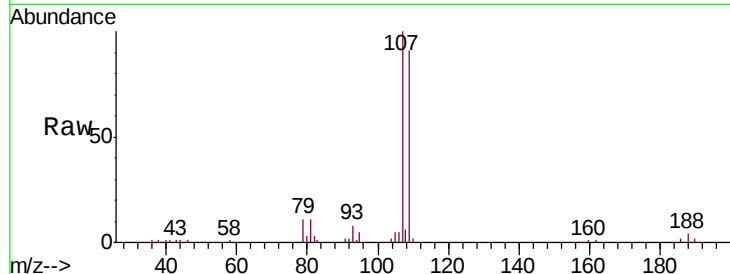




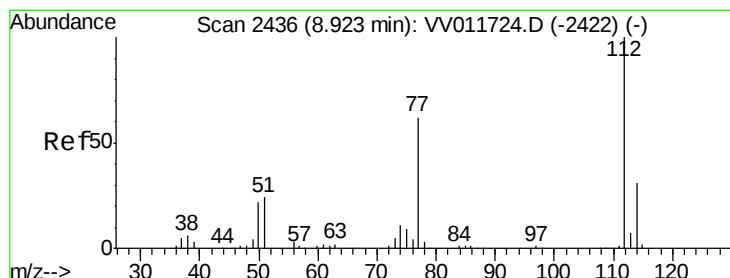
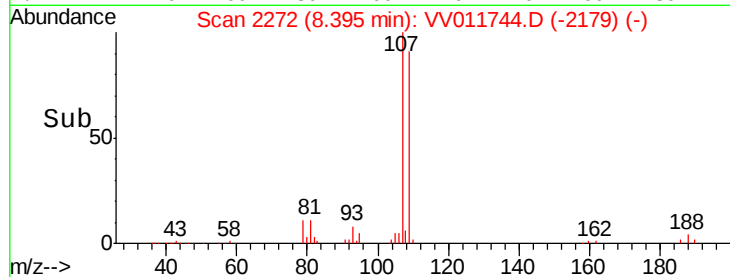
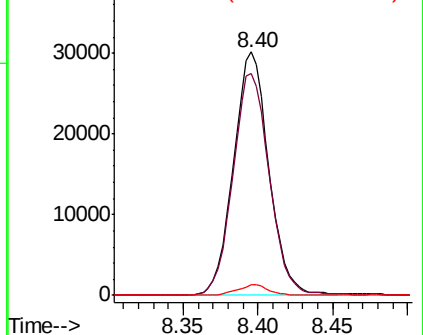
#50
 1,2-Dibromoethane
 Concen: 5.159 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion:107 Resp: 49613
 Ion Ratio Lower Upper
 107 100
 109 91.3 66.7 123.9
 188 4.2 2.6 3.8#

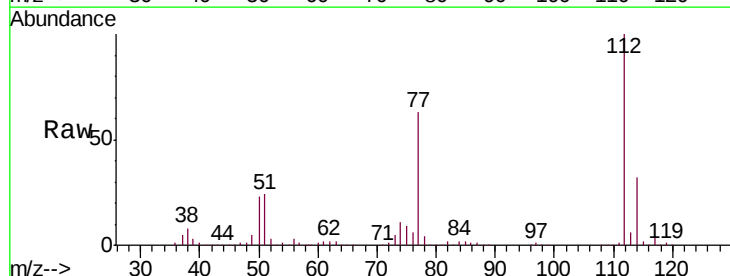


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

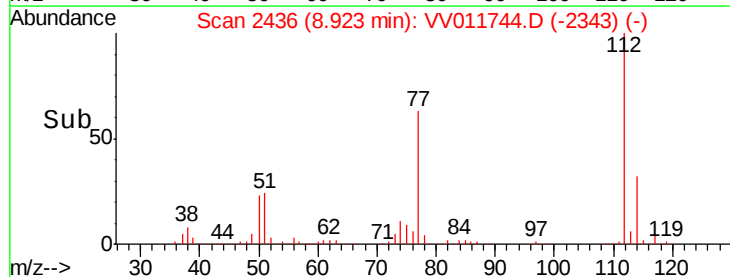
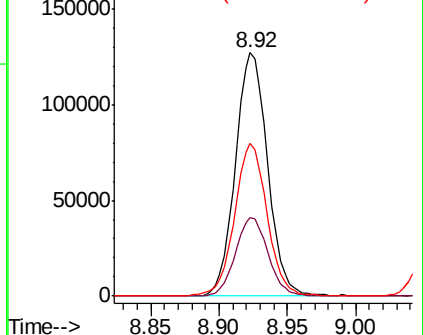


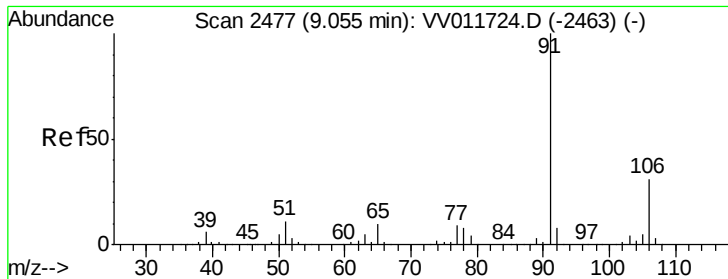
#51
 Chlorobenzene
 Concen: 4.938 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Tgt Ion:112 Resp: 209100
 Ion Ratio Lower Upper
 112 100
 114 32.4 23.0 42.8
 77 62.5 50.0 75.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.978 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampled :

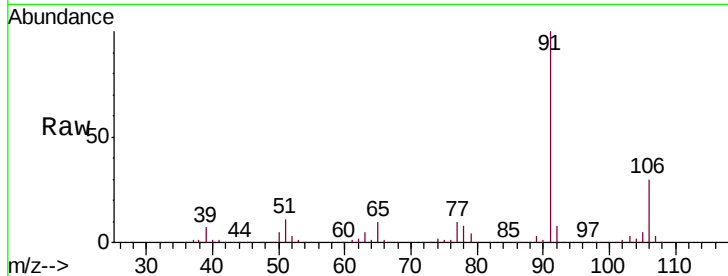
VSTD00549

Tgt Ion: 91 Resp: 375159

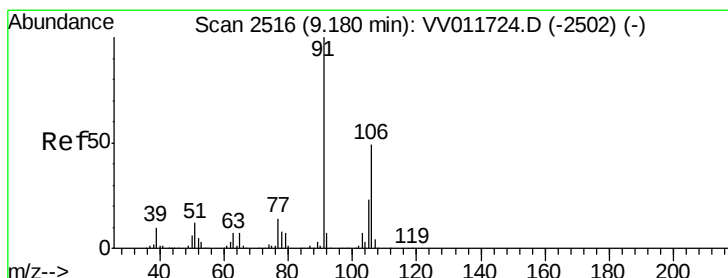
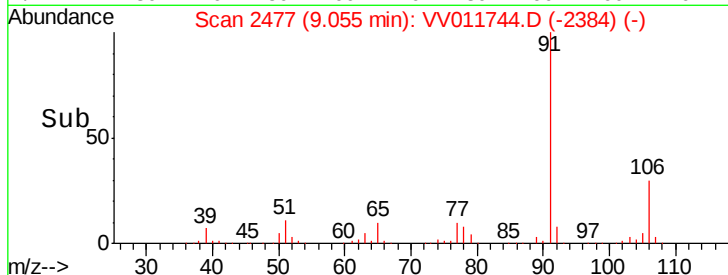
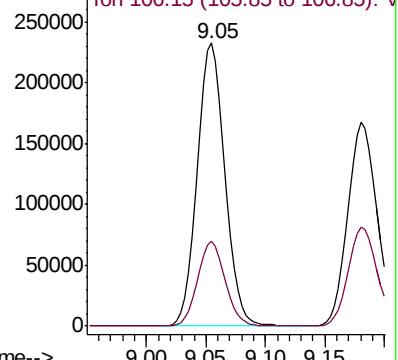
Ion Ratio Lower Upper

91 100

106 29.9 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VV011744.D (-2384) (-)



#53

m,p-xylene

Concen: 5.059 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011744.D

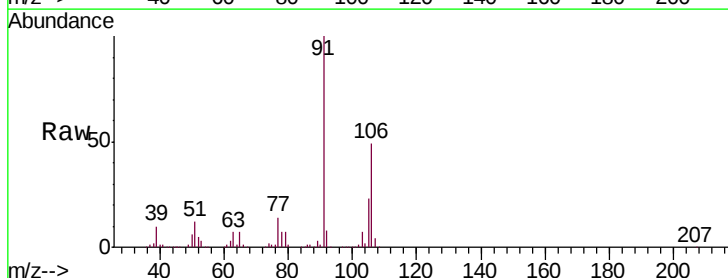
Acq: 25 Jun 2019 09:48

Tgt Ion: 106 Resp: 140022

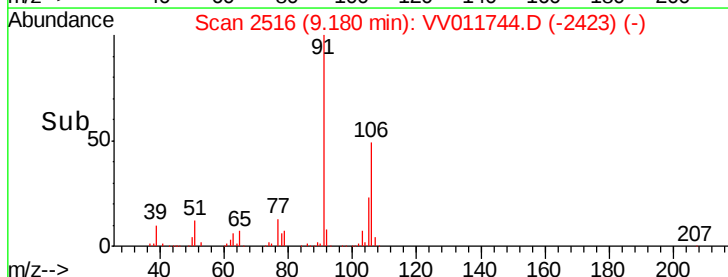
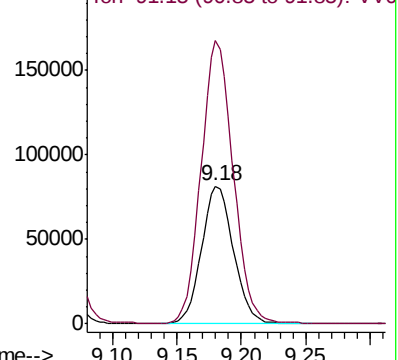
Ion Ratio Lower Upper

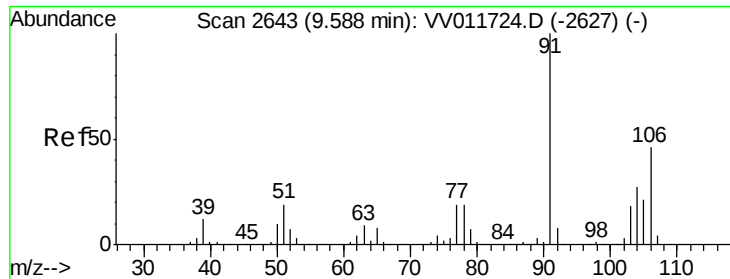
106 100

91 205.5 144.9 269.1



Abundance Ion 106.15 (105.85 to 106.85): VV011744.D (-2423) (-)





#54

o-xylene

Concen: 5.096 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

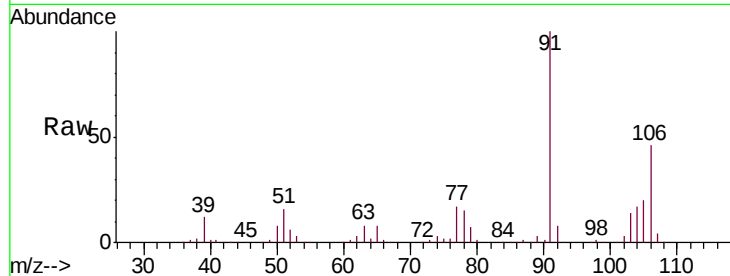
VSTD00549

Tgt Ion:106 Resp: 137898

Ion Ratio Lower Upper

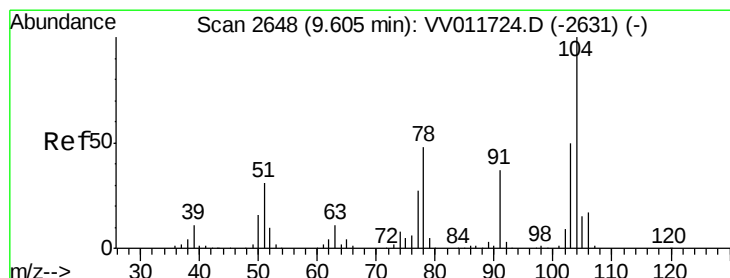
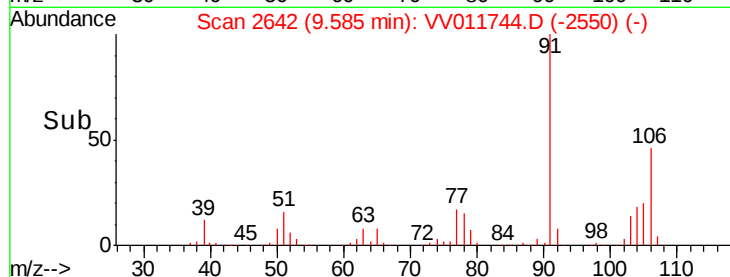
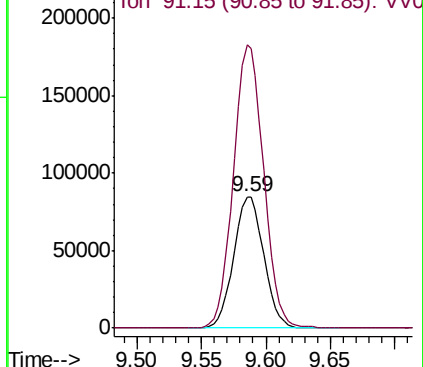
106 100

91 215.2 155.2 288.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.343 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011744.D

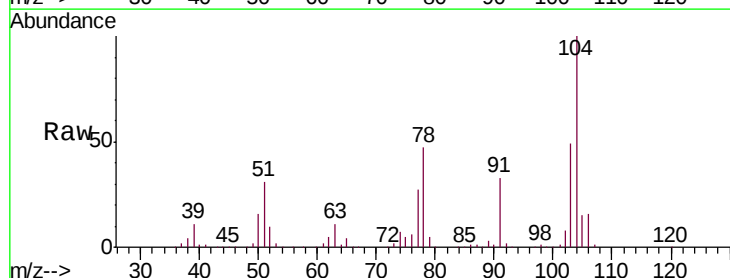
Acq: 25 Jun 2019 09:48

Tgt Ion:104 Resp: 230432

Ion Ratio Lower Upper

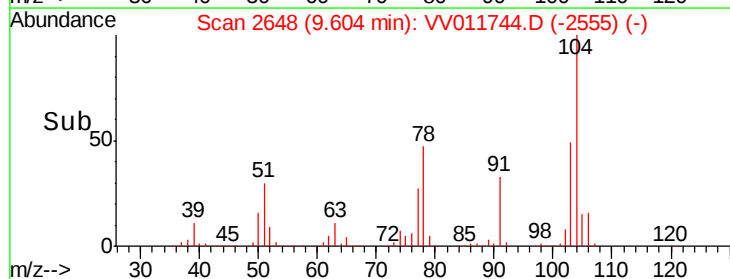
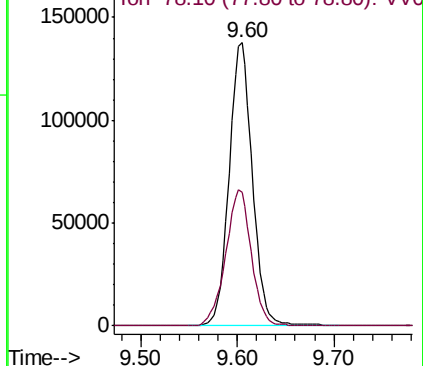
104 100

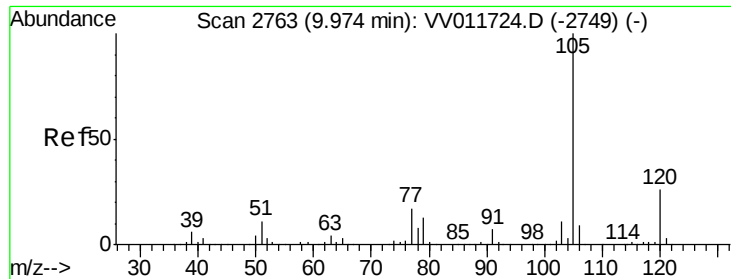
78 47.0 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

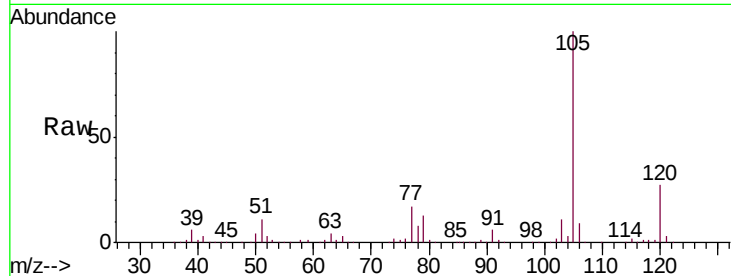




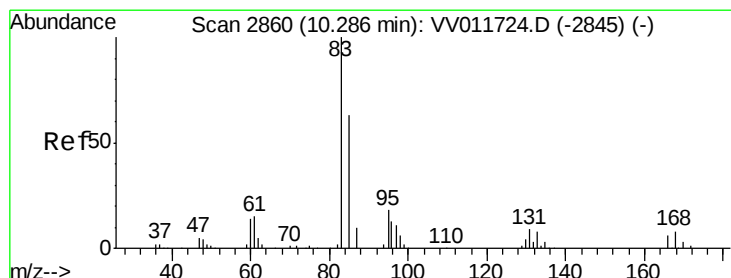
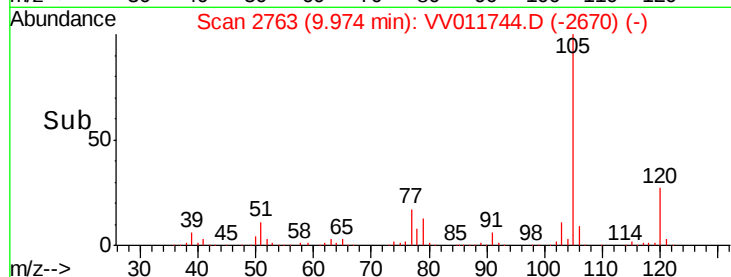
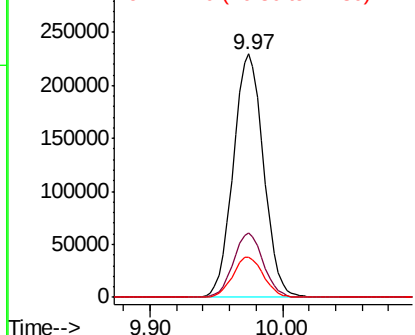
#56
Isopropylbenzene
Concen: 5.016 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	30.8
77	16.9	13.8	20.6

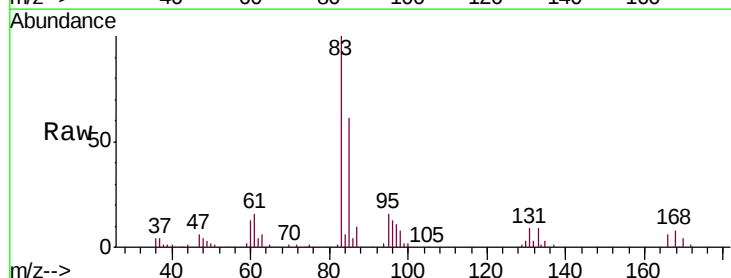


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

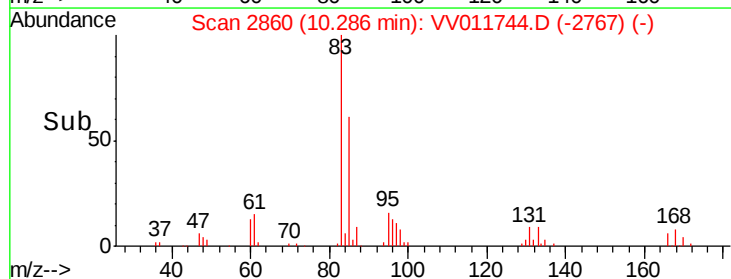
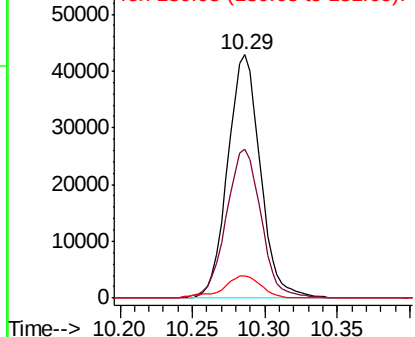


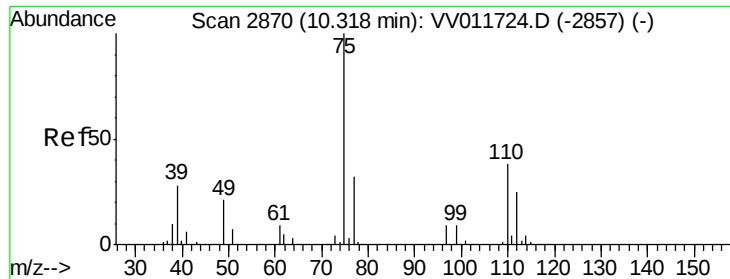
#58
1,1,2,2-Tetrachloroethane
Concen: 5.344 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VV011744.D
Acq: 25 Jun 2019 09:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	45.9	85.3
131	9.3	7.8	11.6



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: 5.152 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

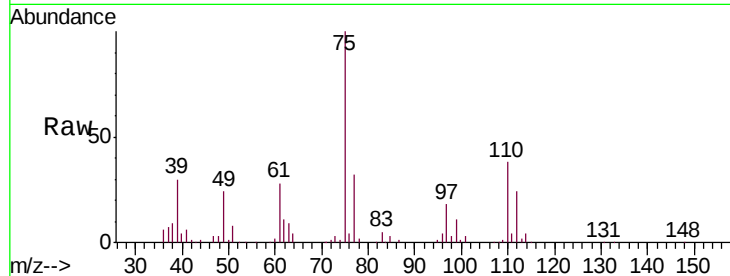
VSTD00549

Tgt Ion: 75 Resp: 49680

Ion Ratio Lower Upper

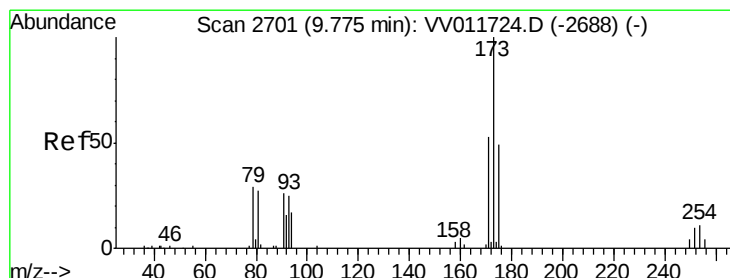
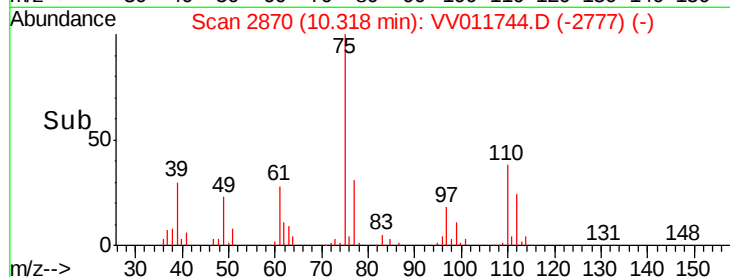
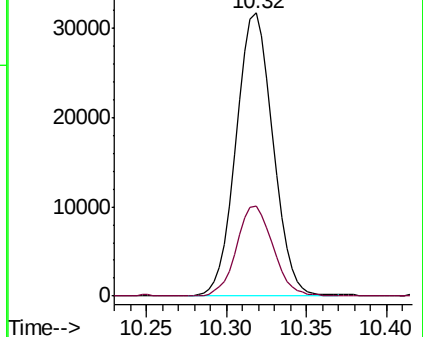
75 100

77 31.6 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV011724.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011724.D (-2857) (-)



#61

Bromoform

Concen: 5.204 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

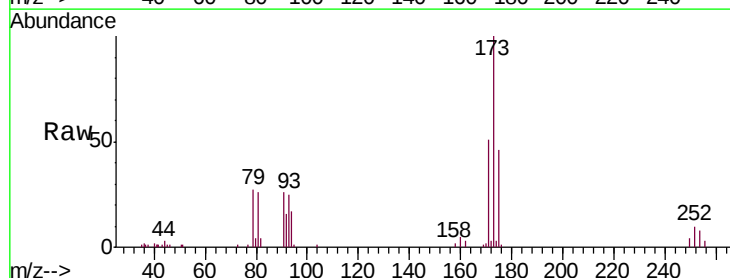
Tgt Ion: 173 Resp: 27719

Ion Ratio Lower Upper

173 100

175 46.7 38.3 57.5

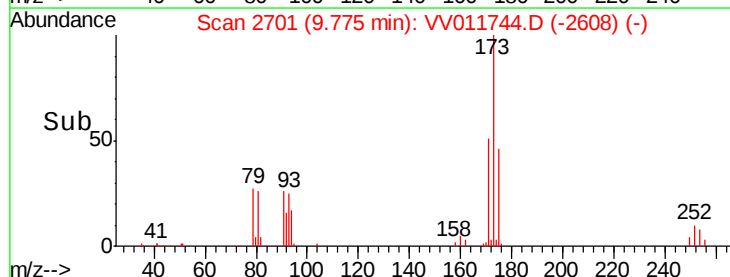
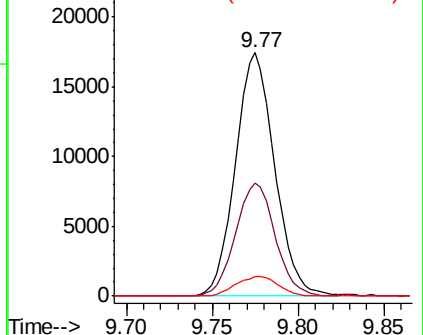
254 8.7 7.4 11.0

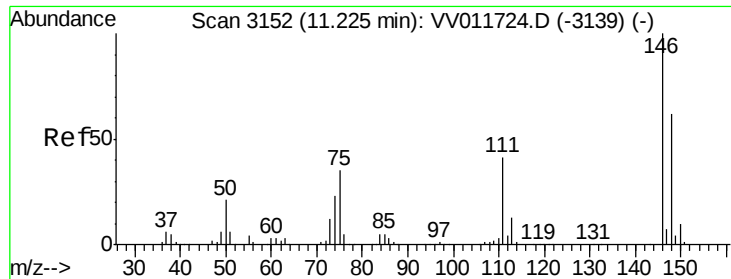


Abundance Ion 172.90 (172.60 to 173.60): VV011724.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV011724.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV011724.D (-2688) (-)

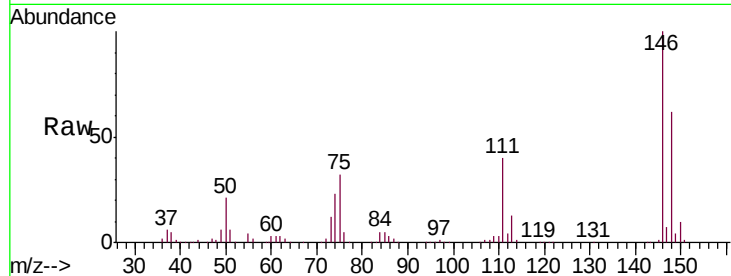




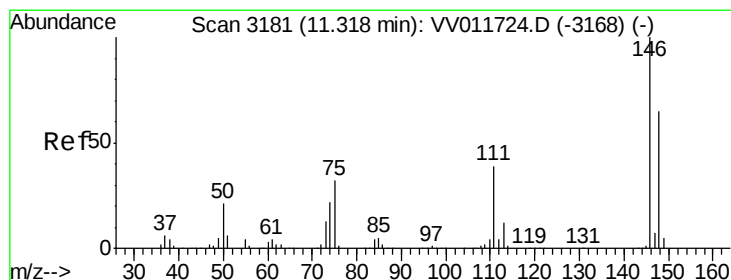
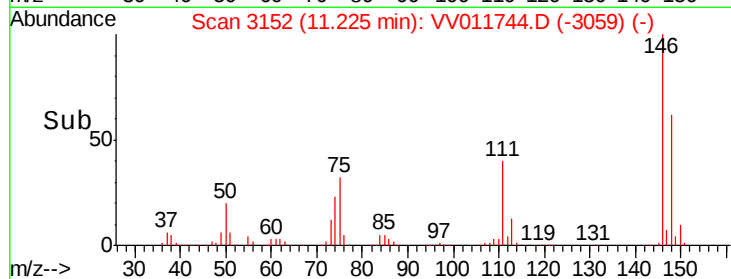
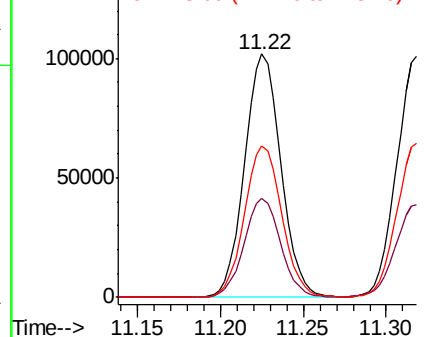
#62
 1,3-Dichlorobenzene
 Concen: 4.863 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion:146 Resp: 155596
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.4 52.8
 148 62.1 42.8 79.6

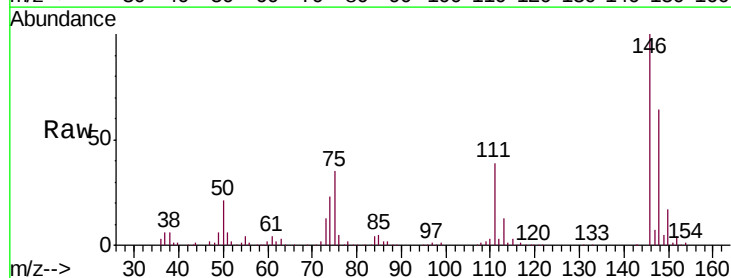


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

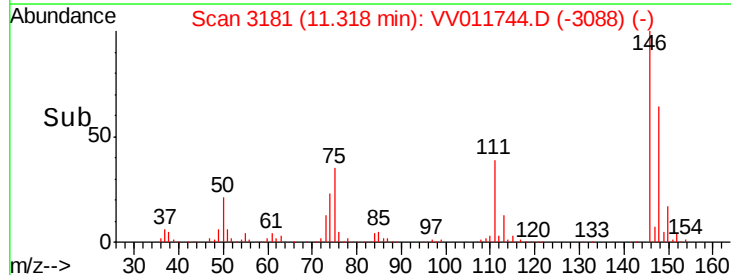
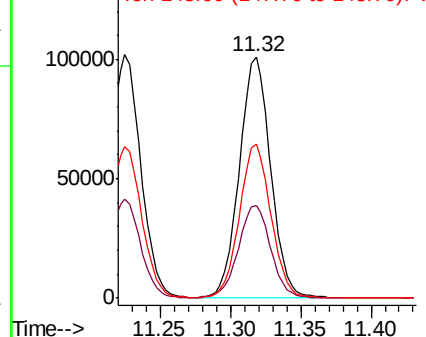


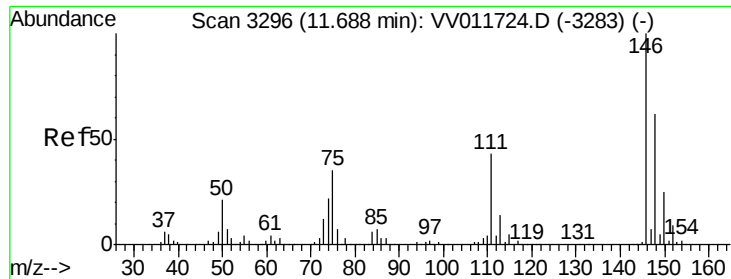
#63
 1,4-Dichlorobenzene
 Concen: 4.754 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Tgt Ion:146 Resp: 157102
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.7 51.5
 148 63.8 45.1 83.9



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





#65

1,2-Dichlorobenzene

Concen: 4.921 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

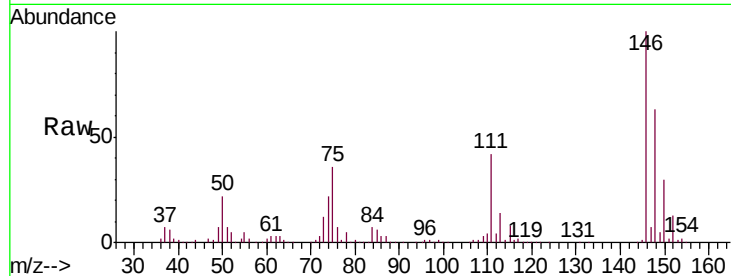
Tgt Ion:146 Resp: 149944

Ion Ratio Lower Upper

146 100

111 42.3 34.5 51.7

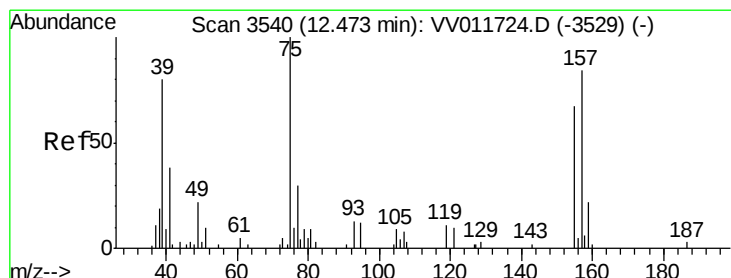
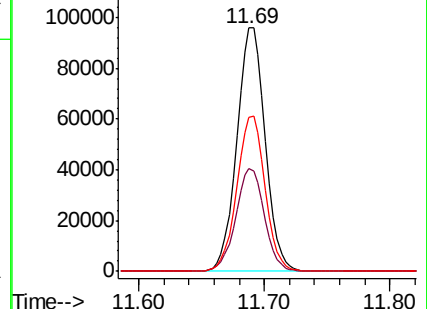
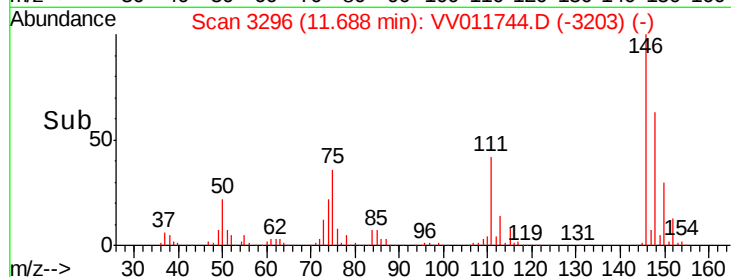
148 63.3 49.8 74.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.255 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

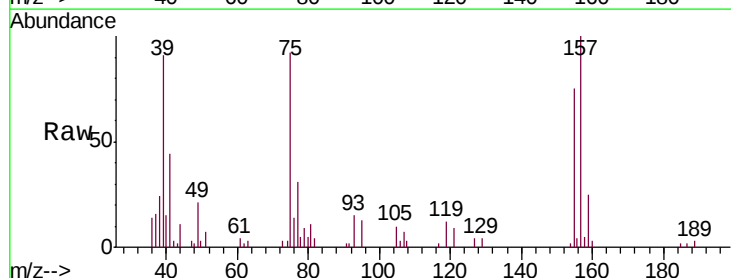
Tgt Ion: 75 Resp: 9172

Ion Ratio Lower Upper

75 100

155 81.0 59.4 89.0

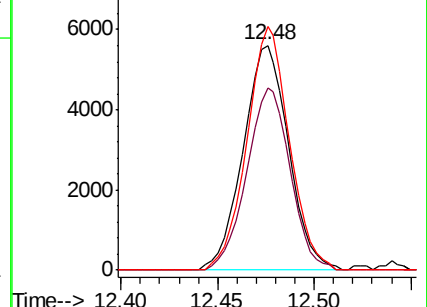
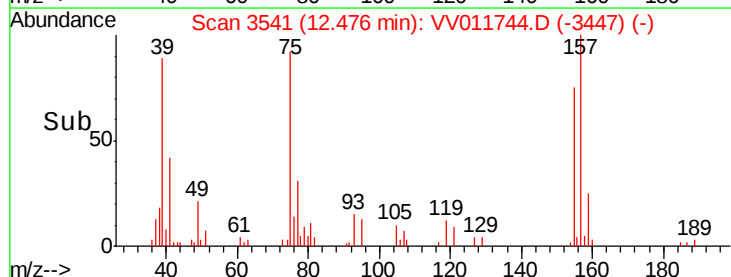
157 108.2 77.5 116.3

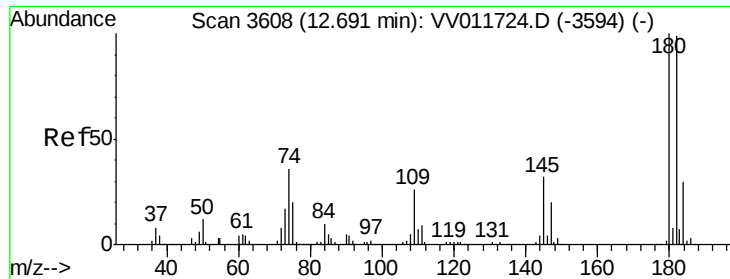


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

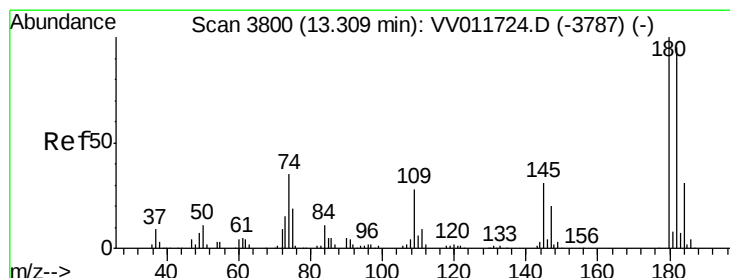
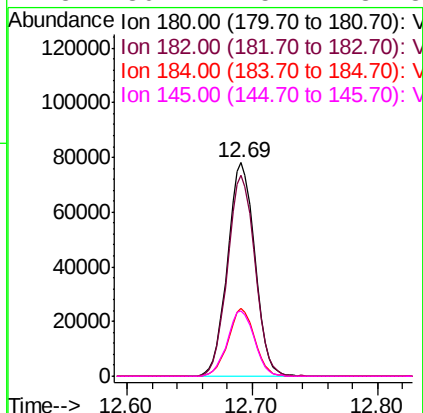
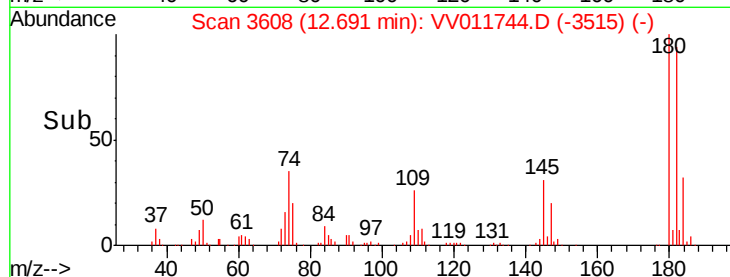
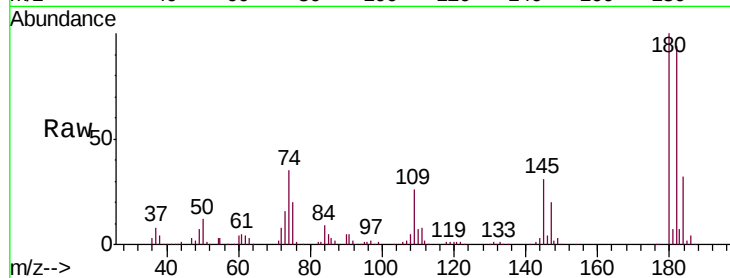




#67
 1,3,5-Trichlorobenzene
 Concen: 4.949 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

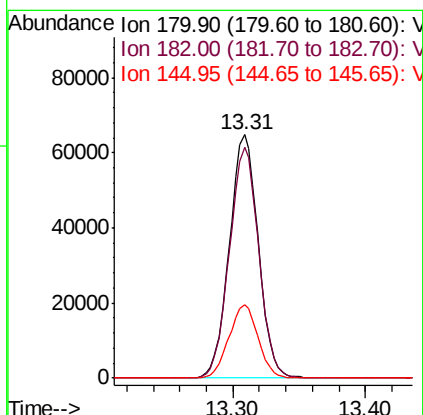
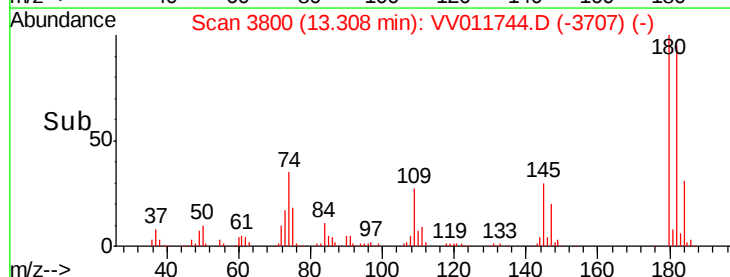
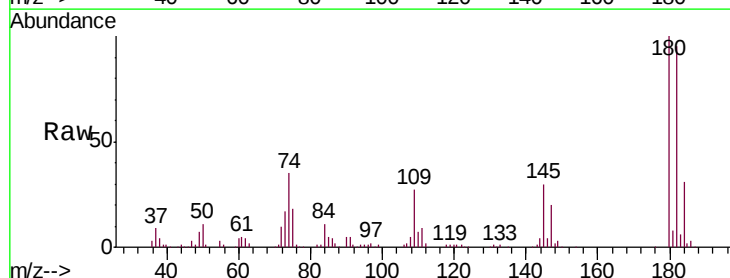
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

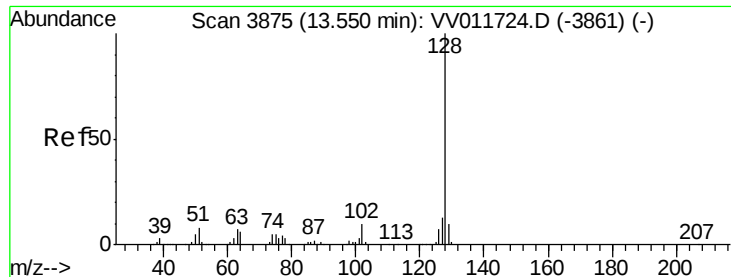
Tgt Ion:180 Resp: 117732
 Ion Ratio Lower Upper
 180 100
 182 94.7 77.3 115.9
 184 30.7 24.9 37.3
 145 30.4 25.2 37.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.329 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011744.D
 Acq: 25 Jun 2019 09:48

Tgt Ion:180 Resp: 98255
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.6 114.8
 145 30.3 25.3 37.9





#69

Naphthalene

Concen: 5.806 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

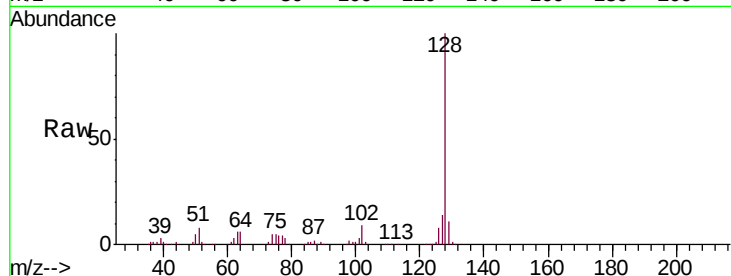
Tgt Ion:128 Resp: 174993

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

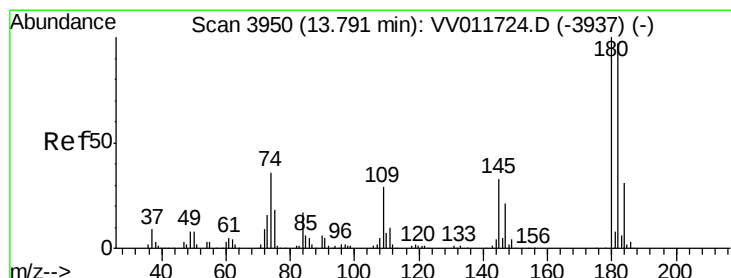
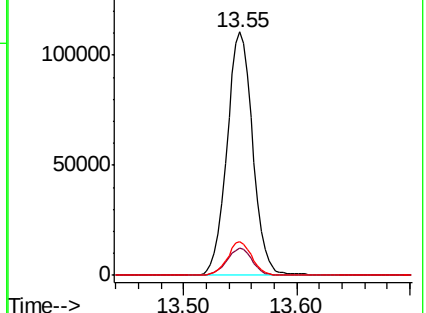
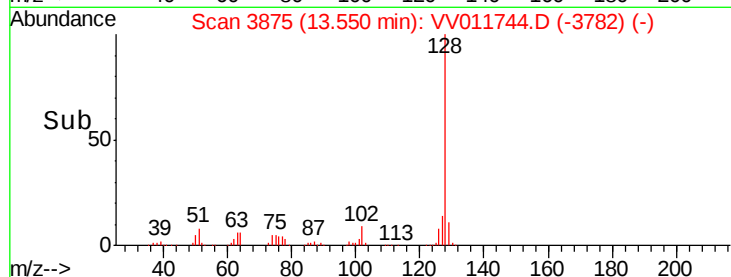
127 13.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

150000 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.326 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011744.D

Acq: 25 Jun 2019 09:48

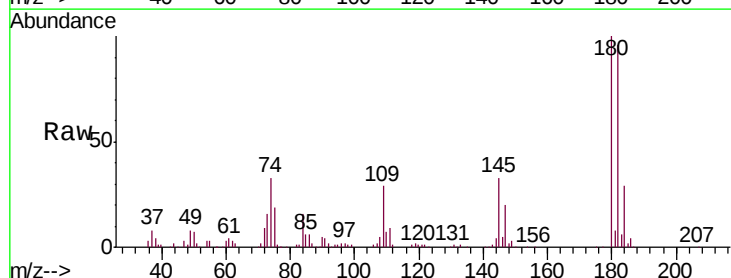
Tgt Ion:180 Resp: 91273

Ion Ratio Lower Upper

180 100

182 97.7 75.0 112.4

145 33.0 26.2 39.2



Abundance Ion 179.90 (179.60 to 180.60): V

80000 Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

