

Data File : VV012367.D
Acq On : 23 Aug 2019 16:09
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Quant Time: Aug 26 07:59:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 24 01:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	271831	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	260821	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	130863	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58573	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	41579	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.13	63	105616	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	3.96	46	173284	47.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.66%
24) Chloroform-d	4.40	84	144355	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	69391	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.10	84	287196	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.12	67	87485	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.36	98	268403	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.66	79	33198	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.14	63	110894	49.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	59901	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	93103	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	109957	4.736	ug/L 99
3) Chloromethane	1.25	50	89430	5.008	ug/L 99
5) Vinyl chloride	1.32	62	84604	4.886	ug/L 98
6) Bromomethane	1.54	94	40416	5.114	ug/L 96
8) Chloroethane	1.60	64	42975	4.944	ug/L 100
9) Trichlorofluoromethane	1.77	101	110799	4.807	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	56799	4.732	ug/L 97
12) 1,1-Dichloroethene	2.14	96	53202	4.879	ug/L 96
13) Acetone	2.21	43	88648	55.965	ug/L 98
14) Carbon disulfide	2.32	76	164041	4.788	ug/L 98
15) Methyl Acetate	2.47	43	19954	5.004	ug/L 98
16) Methylene chloride	2.53	84	58619	4.824	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	170085	5.176	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	80261	4.950	ug/L 96
19) 1,1-Dichloroethane	3.23	63	155152	5.146	ug/L 98
21) 2-Butanone	4.04	43	202863	54.528	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	87314	4.937	ug/L 92

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Instrument :
MSVOA_V
ClientSampleId :
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Quant Time: Aug 26 07:59:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 24 01:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	37192	5.057	ug/L	98
25) Chloroform	4.42	83	157453	4.681	ug/L	97
27) 1,2-Dichloroethane	5.18	62	90724	5.111	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	126042	4.837	ug/L	100
30) Cyclohexane	4.72	56	128837	4.786	ug/L	98
31) Carbon tetrachloride	4.87	117	109873	4.768	ug/L	100
33) Benzene	5.14	78	339799	5.109	ug/L	100
34) Trichloroethene	5.96	95	88343	4.921	ug/L	98
35) Methylcyclohexane	6.17	83	131655	4.670	ug/L	100
37) 1,2-Dichloropropane	6.22	63	86479	5.131	ug/L	99
38) Bromodichloromethane	6.55	83	106645	5.129	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	120984	5.340	ug/L	94
40) 4-Methyl-2-pentanone	7.28	43	491497	54.291	ug/L	100
42) Toluene	7.43	91	360835	5.311	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	91428	5.335	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	57988	5.311	ug/L	99
47) Tetrachloroethene	8.02	164	73436	5.070	ug/L	99
48) 2-Hexanone	8.19	43	345789	53.084	ug/L	98
49) Dibromochloromethane	8.29	129	68590	5.242	ug/L	97
50) 1,2-Dibromoethane	8.40	107	52396	5.076	ug/L	96
51) Chlorobenzene	8.92	112	226137	5.095	ug/L	99
52) Ethylbenzene	9.05	91	374866	5.126	ug/L	100
53) m,p-xylene	9.18	106	145584	5.311	ug/L	99
54) o-xylene	9.59	106	138999	5.328	ug/L	100
55) Styrene	9.60	104	237498	5.442	ug/L	98
56) Isopropylbenzene	9.97	105	366042	5.243	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	61669	5.262	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	48667	5.257	ug/L	100
61) Bromoform	9.77	173	36960	4.923	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	179996	5.065	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	177322	4.982	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	166980	5.109	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8783	4.688	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	136795	5.027	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	99660	5.255	ug/L	100
69) Naphthalene	13.55	128	131382	5.005	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	92769	5.222	ug/L	98

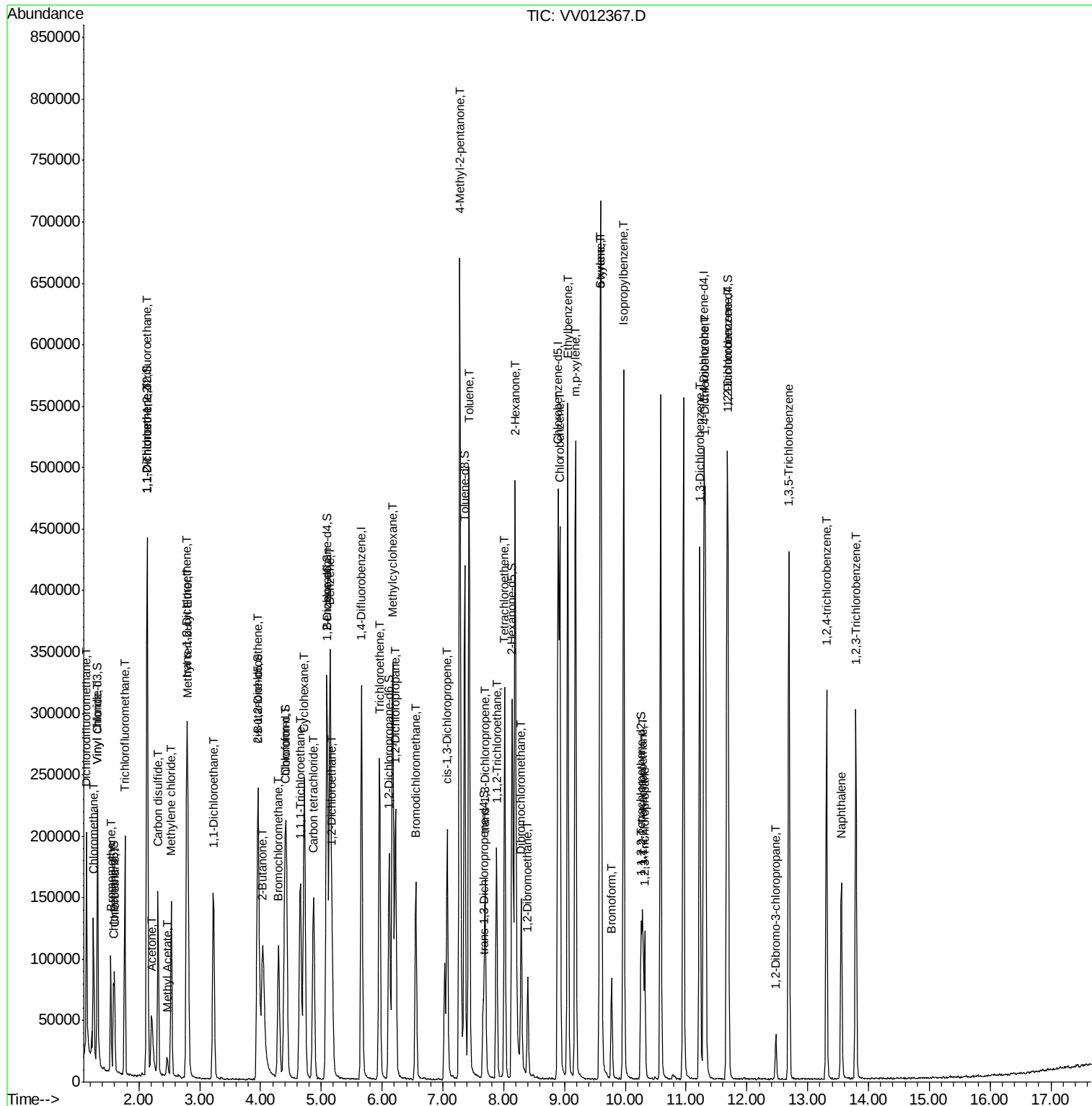
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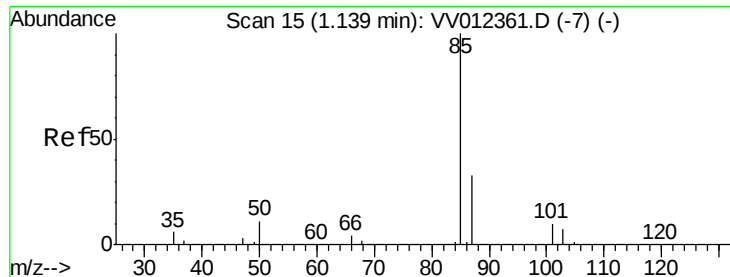
Data File : VV012367.D

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Acq On       : 23 Aug 2019 16:09
Operator     : SY/MD
Sample       : VSTDCCC005
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ALS Vial     : 10      Sample Multip
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Instrument :
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ClientSampleId :
VSTD00549

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#2

Dichlorodifluoromethane

Concen: 4.736 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

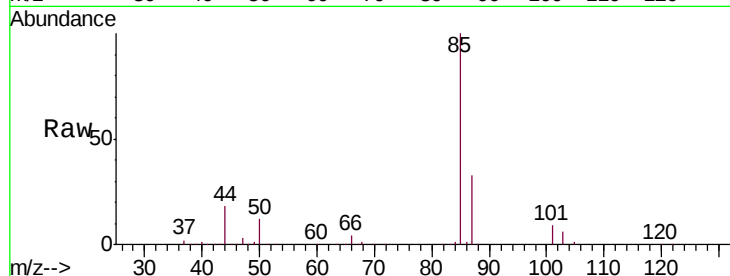
VSTD00549

Tgt Ion: 85 Resp: 109957

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

120000

100000

80000

60000

40000

20000

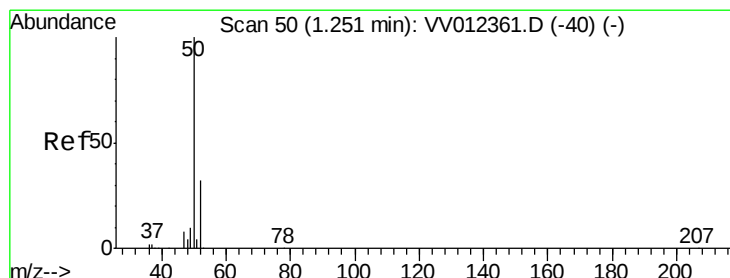
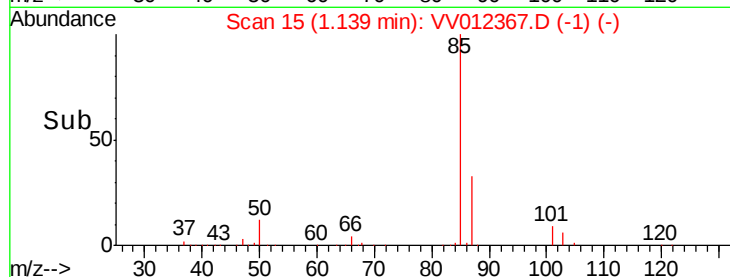
0

1.10

1.14

1.20

Time-->



#3

Chloromethane

Concen: 5.008 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012367.D

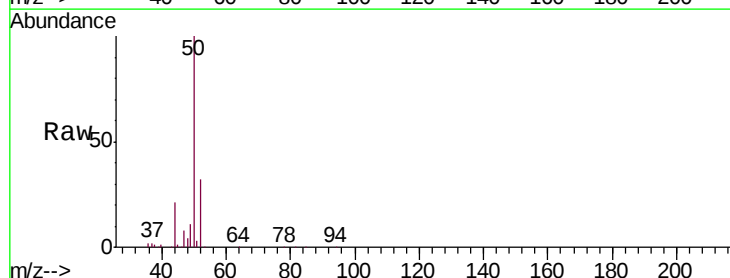
Acq: 23 Aug 2019 16:09

Tgt Ion: 50 Resp: 89430

Ion Ratio Lower Upper

50 100

52 32.1 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

80000

60000

40000

20000

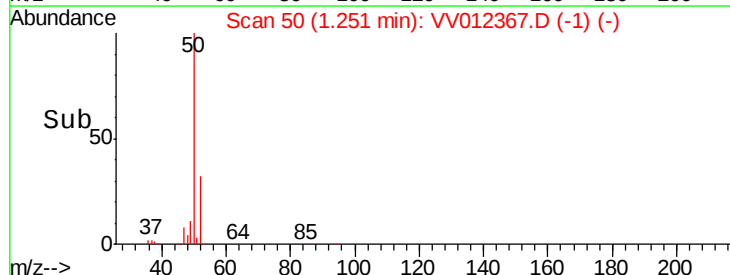
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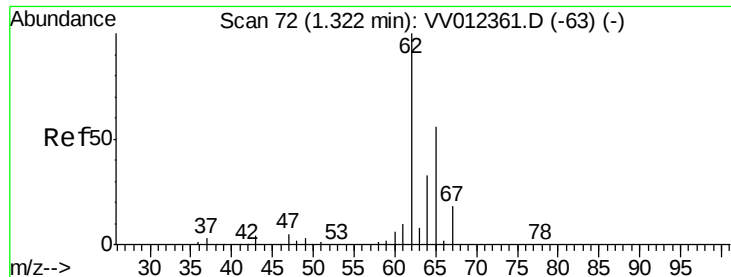
1.20

1.25

1.30

Time-->





#5

Vinyl chloride

Concen: 4.886 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

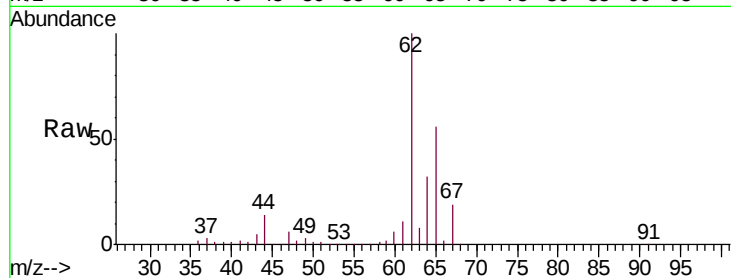
VSTD00549

Tgt Ion: 62 Resp: 84604

Ion Ratio Lower Upper

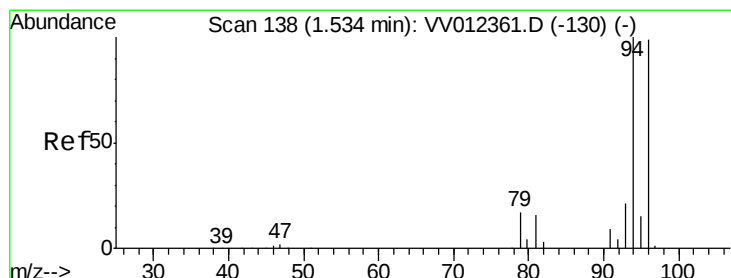
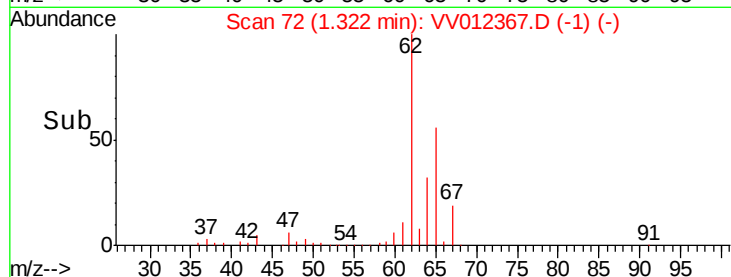
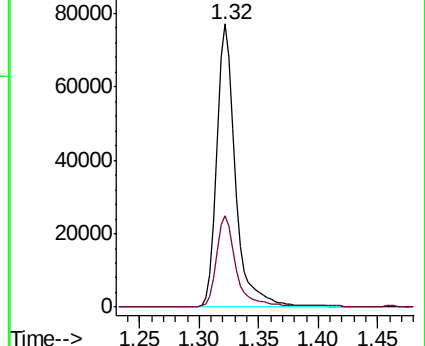
62 100

64 32.3 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.114 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012367.D

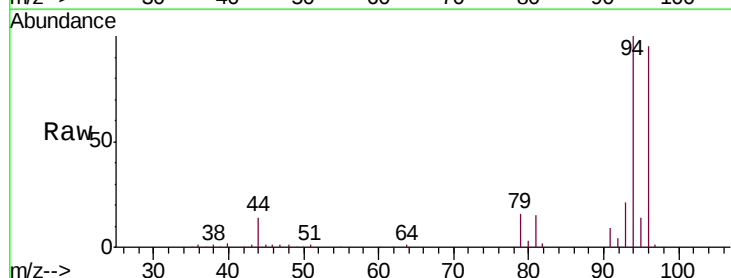
Acq: 23 Aug 2019 16:09

Tgt Ion: 94 Resp: 40416

Ion Ratio Lower Upper

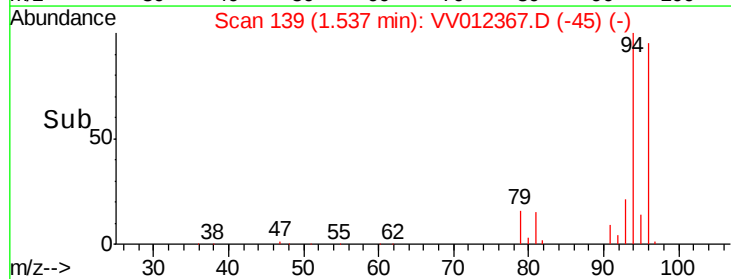
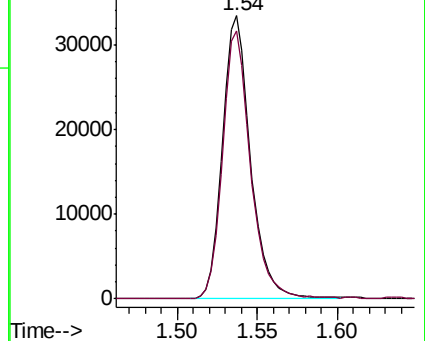
94 100

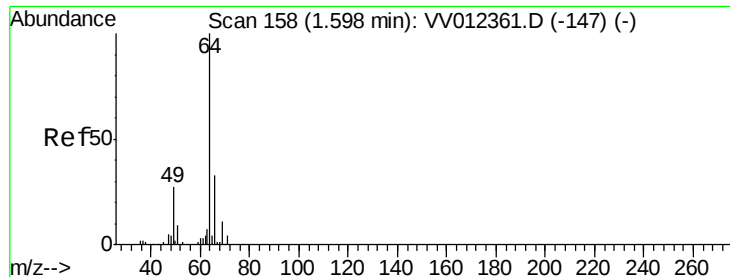
96 94.9 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.944 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

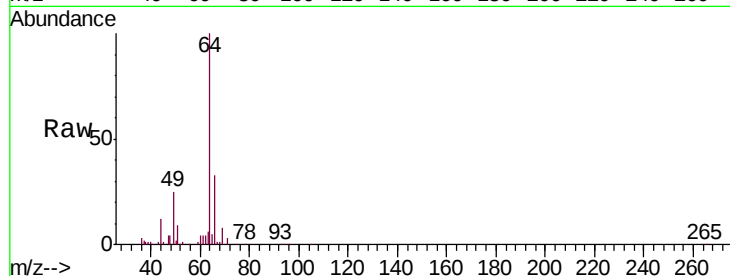
VSTD00549

Tgt Ion: 64 Resp: 42975

Ion Ratio Lower Upper

64 100

66 33.1 23.2 43.0

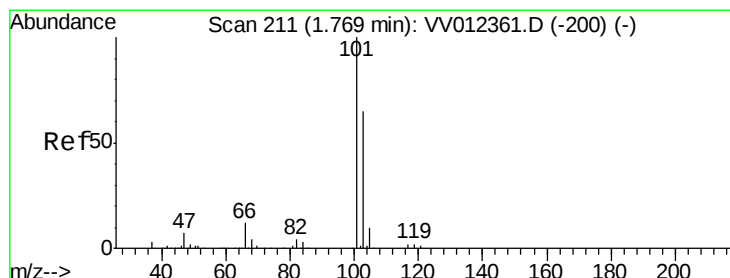
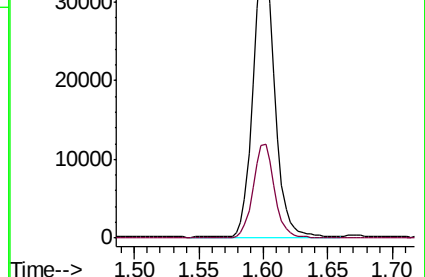
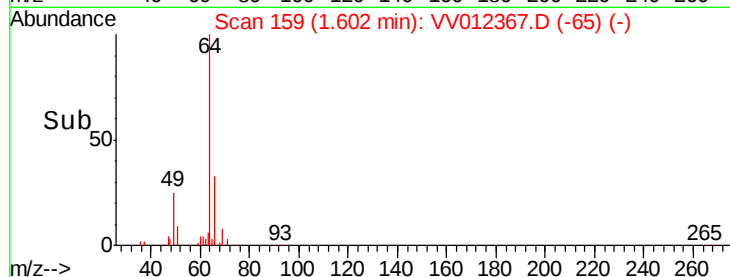


Abundance Ion 64.10 (63.80 to 64.80): VV012367.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV012367.D (-147) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 4.807 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012367.D

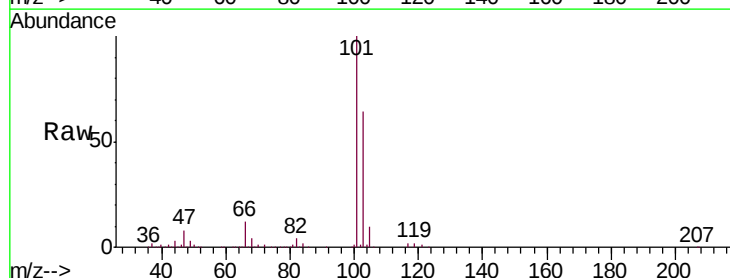
Acq: 23 Aug 2019 16:09

Tgt Ion: 101 Resp: 110799

Ion Ratio Lower Upper

101 100

103 64.3 51.2 76.8

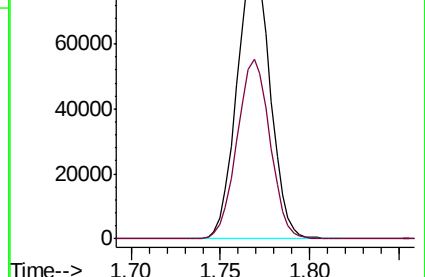
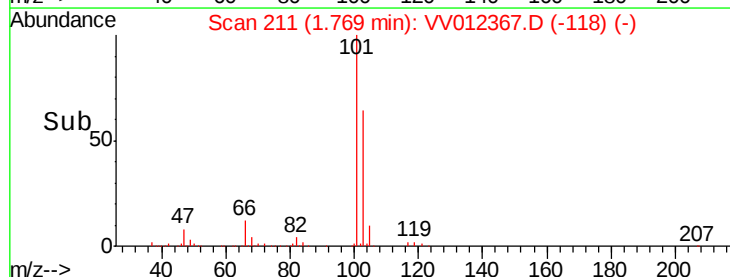


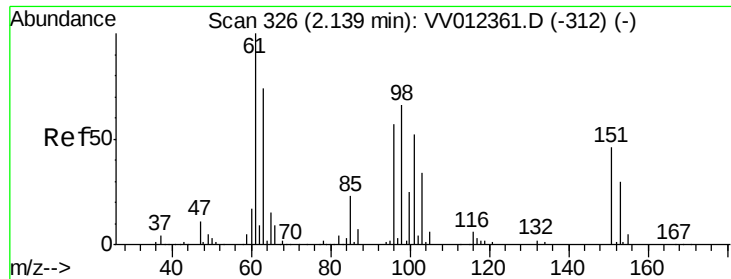
Abundance Ion 101.00 (100.70 to 101.70): VV012367.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012367.D (-200) (-)

1.77

Time-->





#10

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

Concen: 4.732 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

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ClientSampleId :

VSTD00549

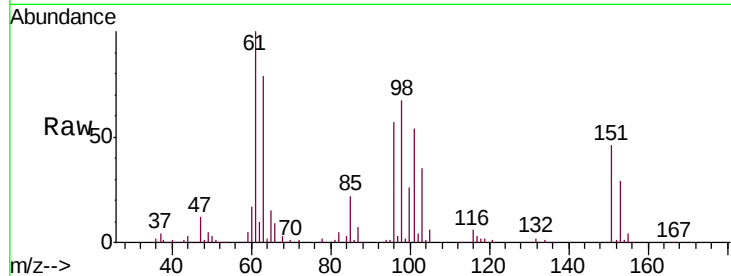
Tgt Ion: 101 Resp: 56799

Ion Ratio Lower Upper

101 100

85 41.9 34.6 51.8

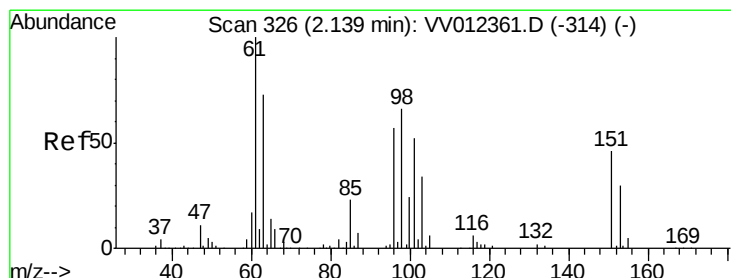
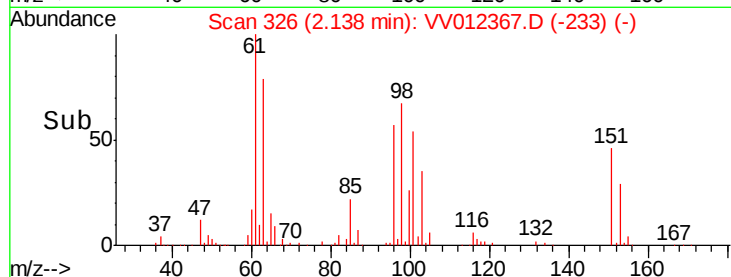
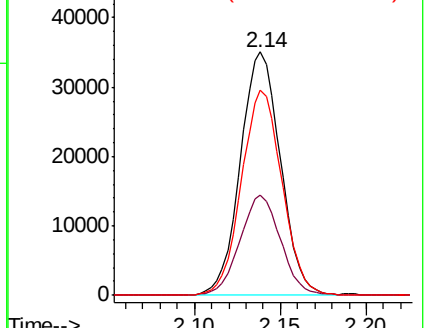
151 85.3 71.2 106.8



Abundance Ion 101.00 (100.70 to 101.70): VV012361.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV012361.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV012361.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 4.879 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

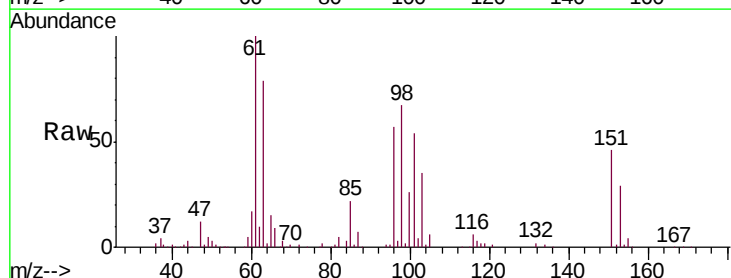
Tgt Ion: 96 Resp: 53202

Ion Ratio Lower Upper

96 100

61 175.7 122.3 227.1

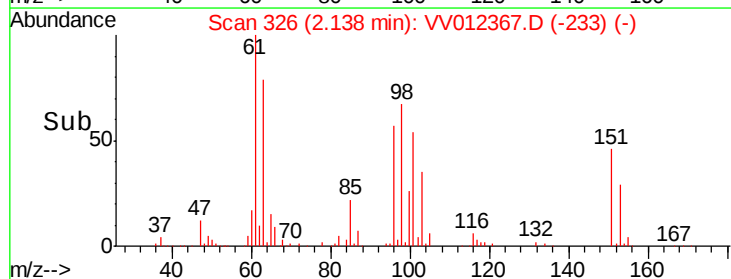
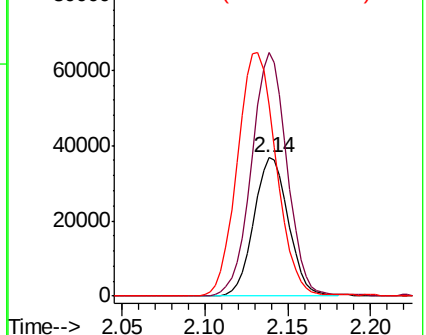
63 138.3 90.6 168.2

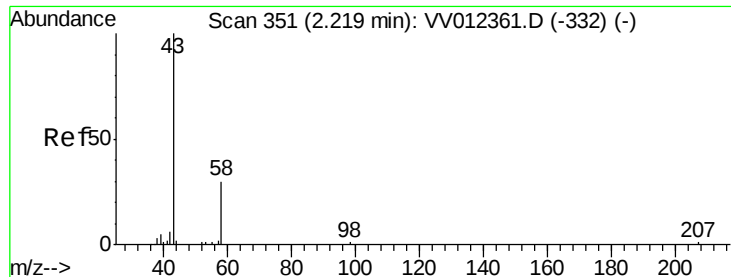


Abundance Ion 96.00 (95.70 to 96.70): VV012361.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV012361.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV012361.D (-314) (-)





#13

Acetone

Concen: 55.965 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

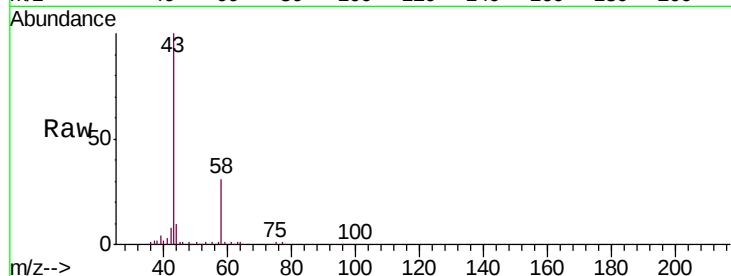
VSTD00549

Tgt Ion: 43 Resp: 88648

Ion Ratio Lower Upper

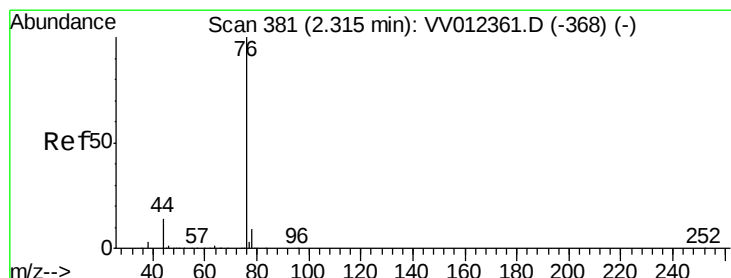
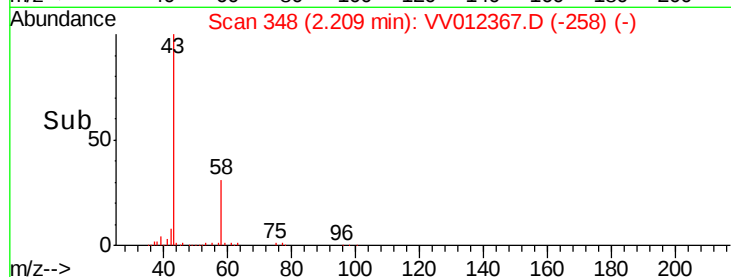
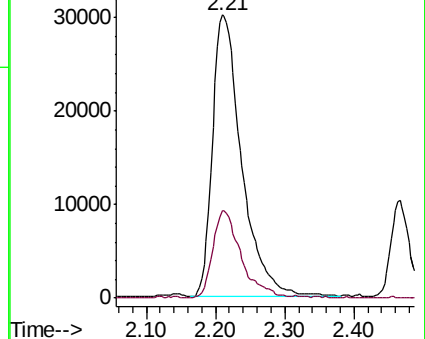
43 100

58 30.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV012361.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV012361.D (-332) (-)



#14

Carbon disulfide

Concen: 4.788 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012367.D

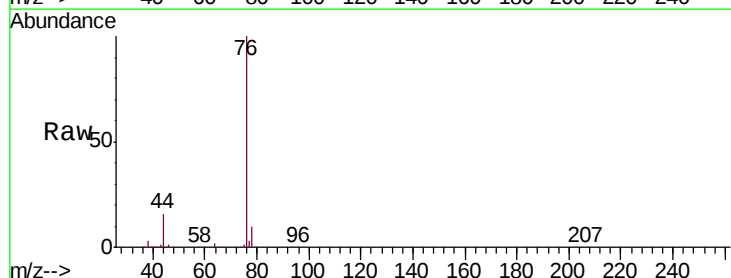
Acq: 23 Aug 2019 16:09

Tgt Ion: 76 Resp: 164041

Ion Ratio Lower Upper

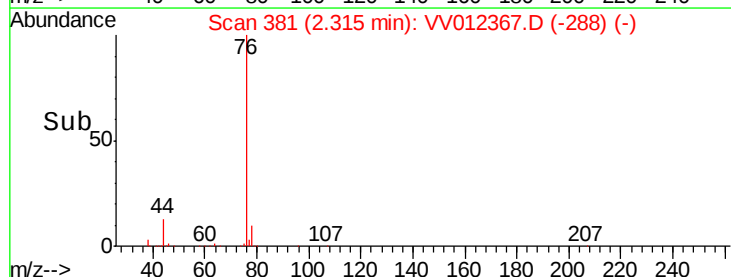
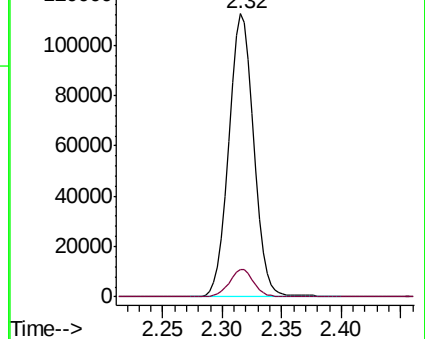
76 100

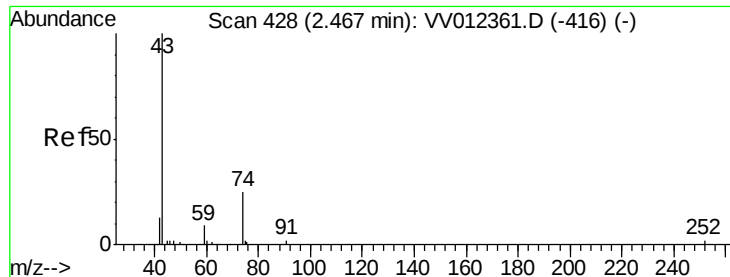
78 9.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV012361.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012361.D (-368) (-)

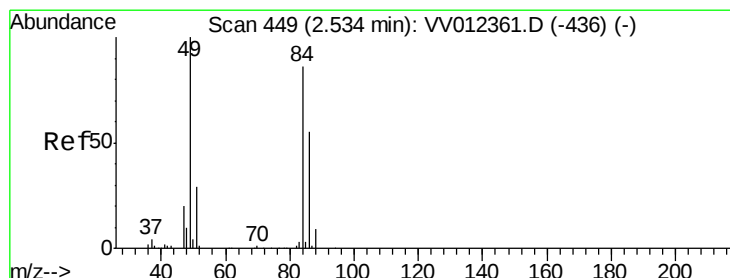
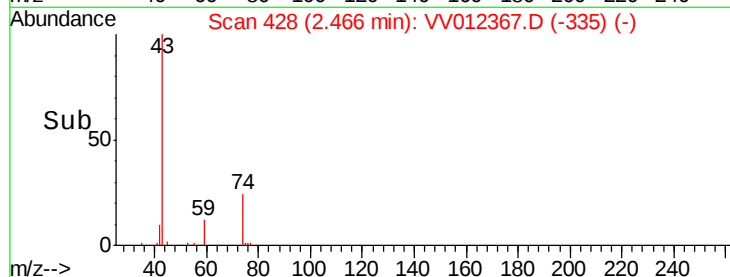
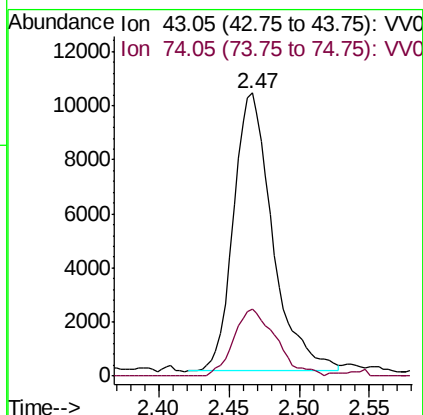
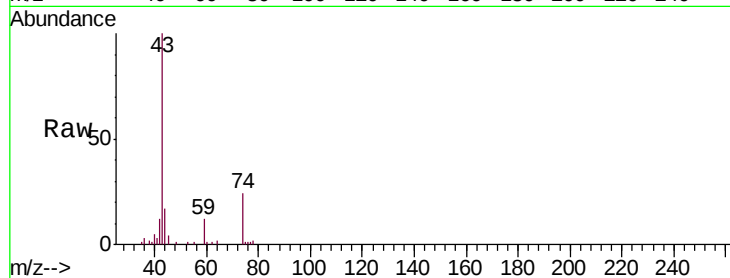




#15
Methyl Acetate
Concen: 5.004 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

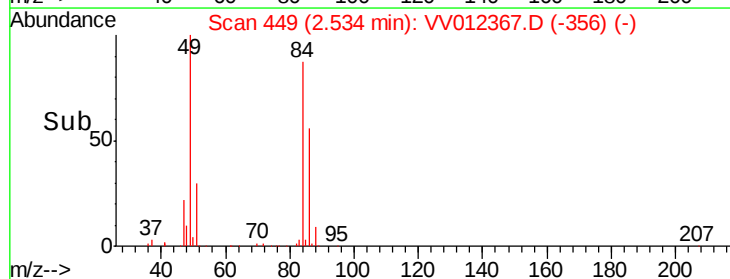
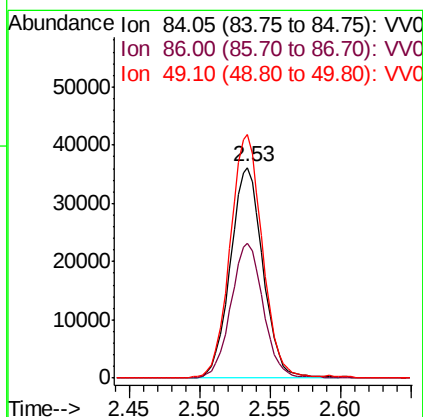
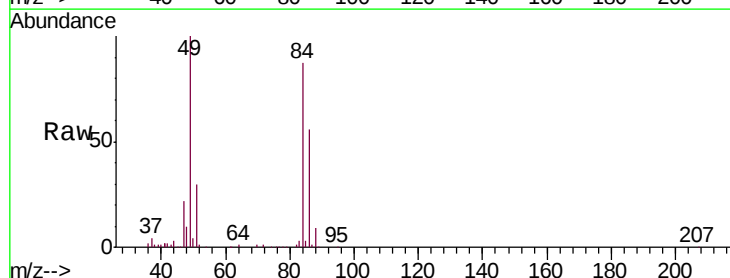
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

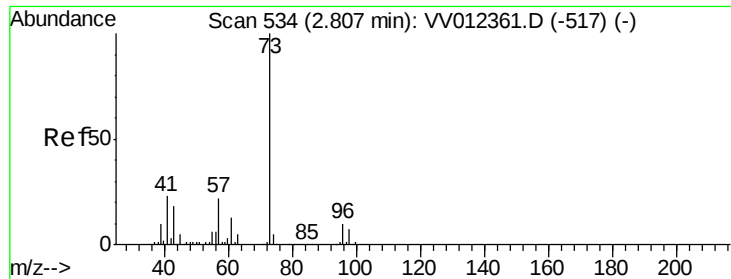
Tgt Ion: 43 Resp: 19954
Ion Ratio Lower Upper
43 100
74 26.2 21.8 32.6



#16
Methylene chloride
Concen: 4.824 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

Tgt Ion: 84 Resp: 58619
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 115.4 81.1 150.7

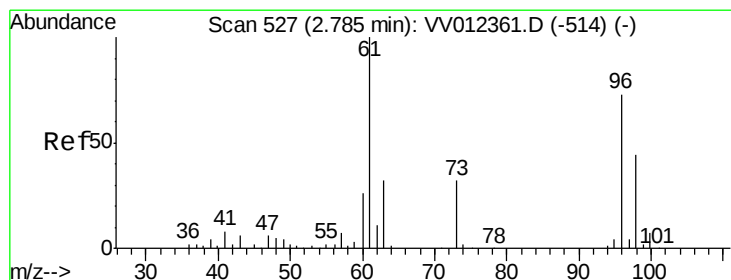
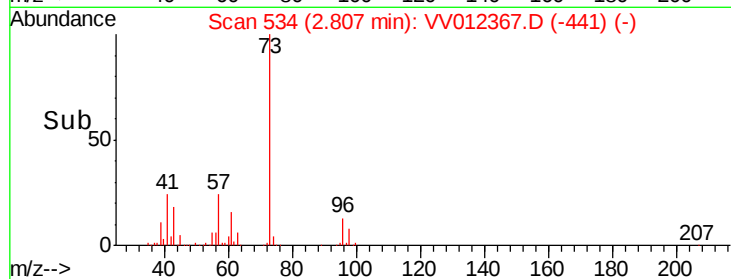
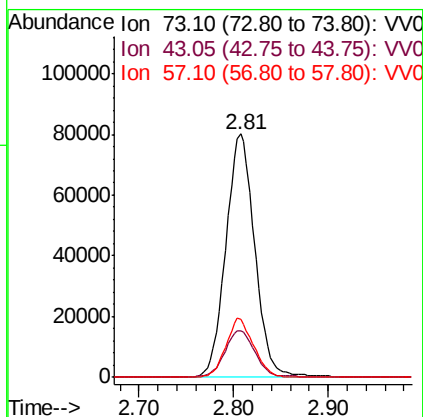
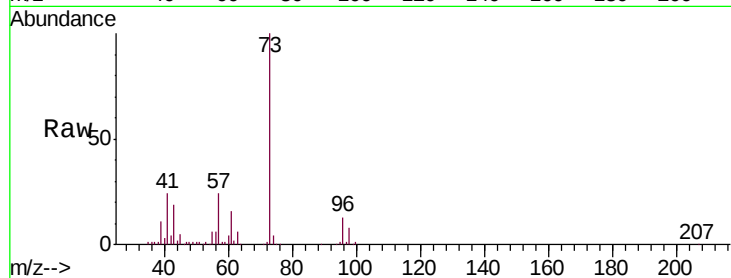




#17
Methyl tert-butyl Ether
Concen: 5.176 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

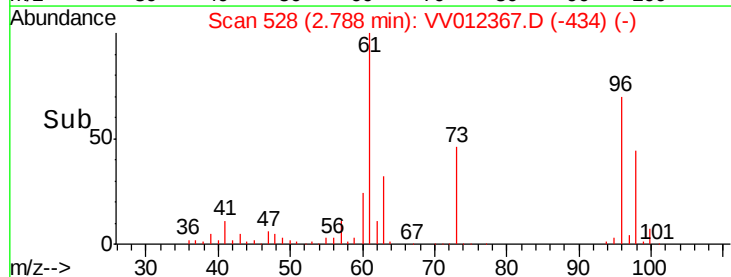
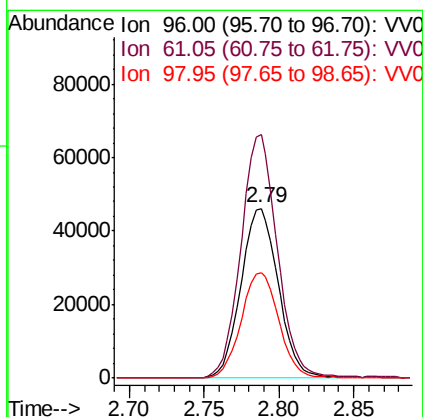
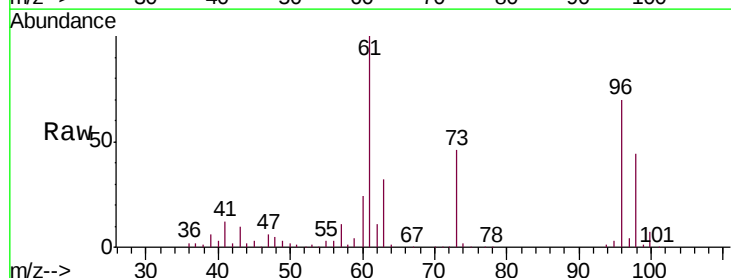
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

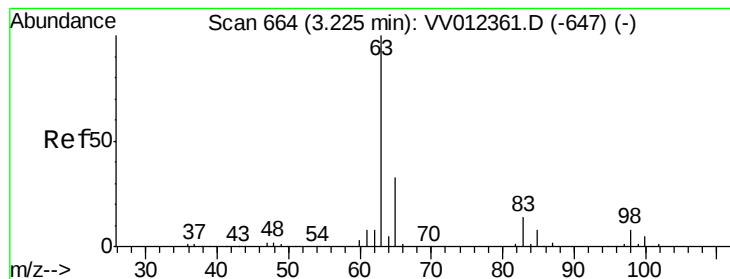
Tgt Ion: 73 Resp: 170085
Ion Ratio Lower Upper
73 100
43 19.7 15.0 22.6
57 23.4 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 4.950 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

Tgt Ion: 96 Resp: 80261
Ion Ratio Lower Upper
96 100
61 143.4 96.0 178.4
98 62.4 42.1 78.3





#19

1,1-Dichloroethane

Concen: 5.146 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

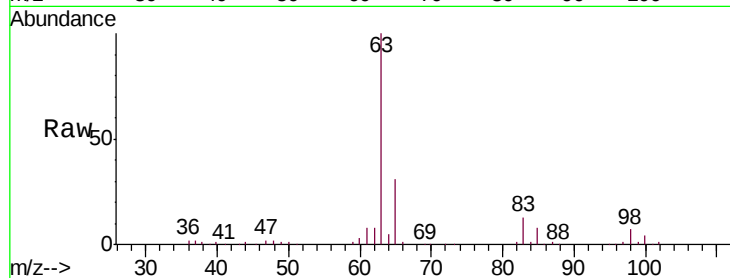
Tgt Ion: 63 Resp: 155152

Ion Ratio Lower Upper

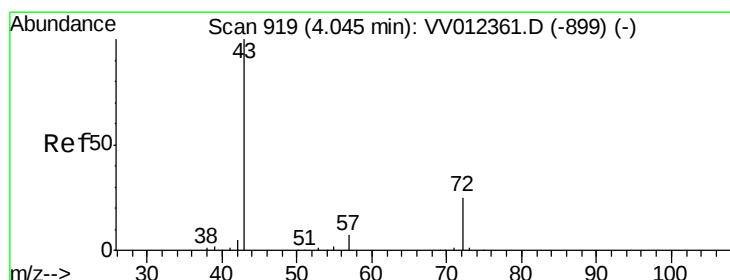
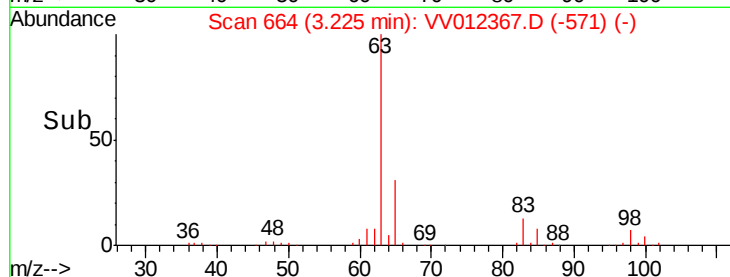
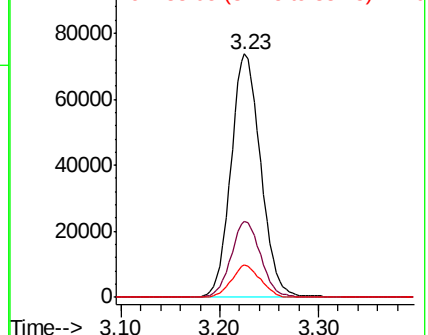
63 100

65 31.2 23.1 42.9

83 13.3 9.4 17.6



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: 54.528 ug/L

RT: 4.04 min Scan# 917

Delta R.T. -0.01 min

Lab File: VV012367.D

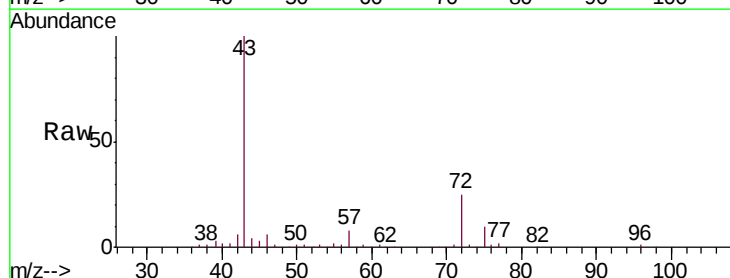
Acq: 23 Aug 2019 16:09

Tgt Ion: 43 Resp: 202863

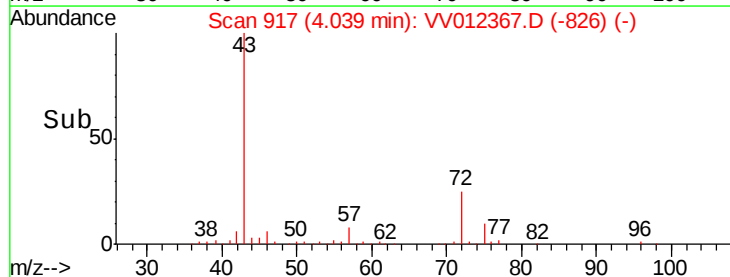
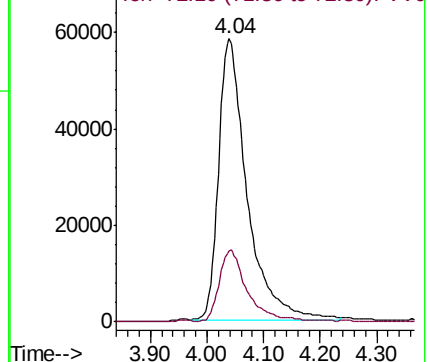
Ion Ratio Lower Upper

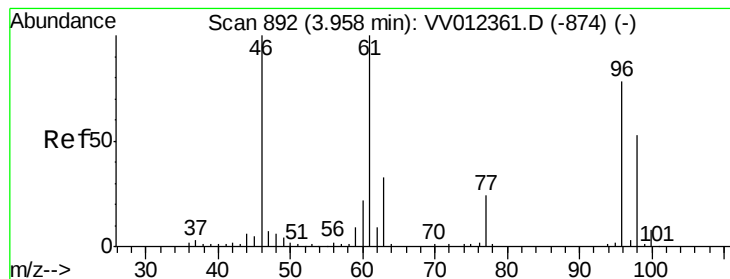
43 100

72 24.8 12.2 36.6



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



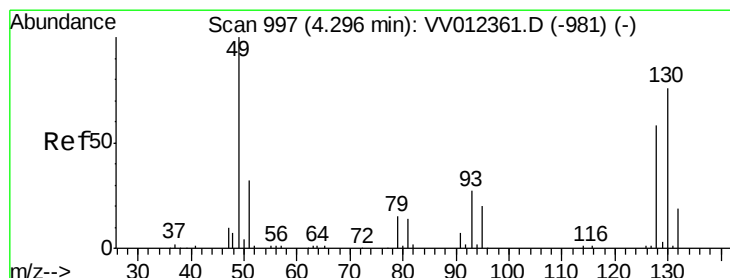
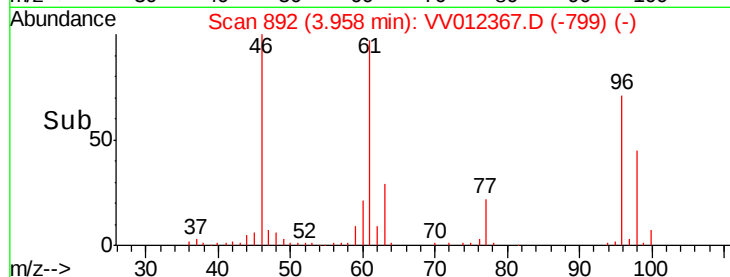
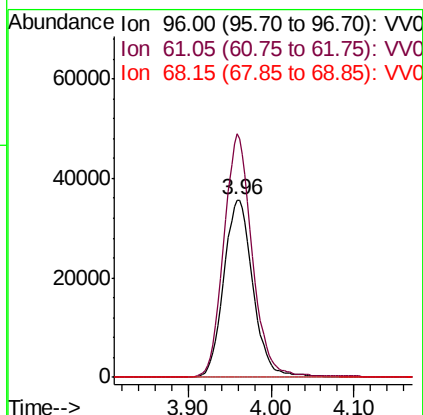
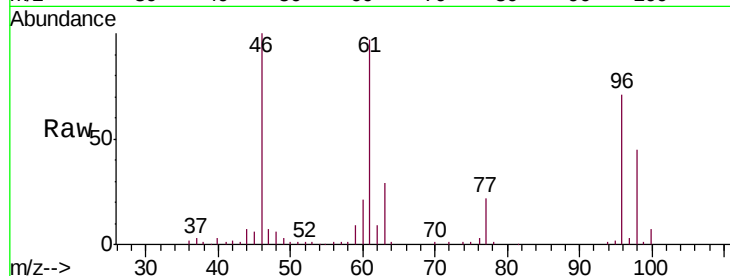


#22

cis-1,2-Dichloroethene
 Concen: 4.937 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

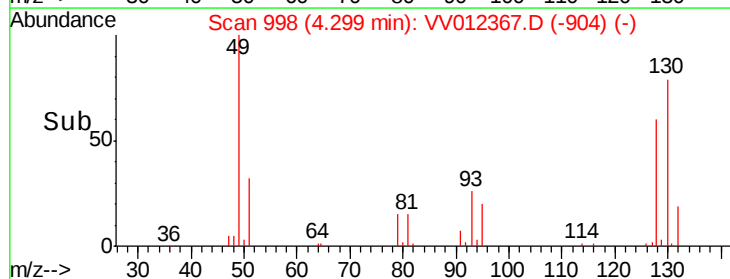
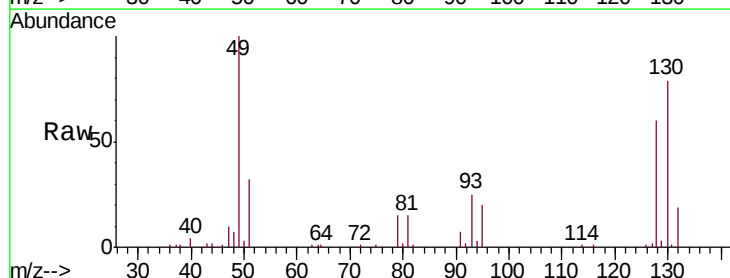
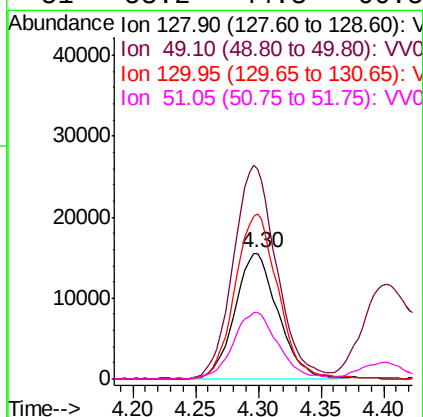
Tgt Ion: 96 Resp: 87314
 Ion Ratio Lower Upper
 96 100
 61 137.1 89.4 166.0
 68 0.0 0.0 0.0

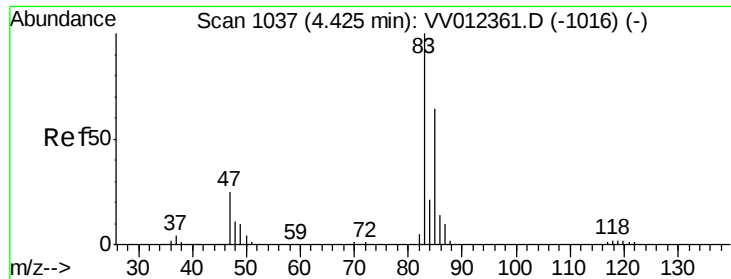


#23

Bromochloromethane
 Concen: 5.057 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

Tgt Ion: 128 Resp: 37192
 Ion Ratio Lower Upper
 128 100
 49 167.0 120.7 224.1
 130 131.1 91.5 169.9
 51 53.2 44.3 66.5

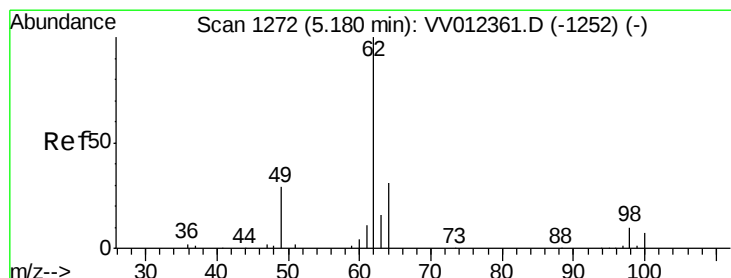
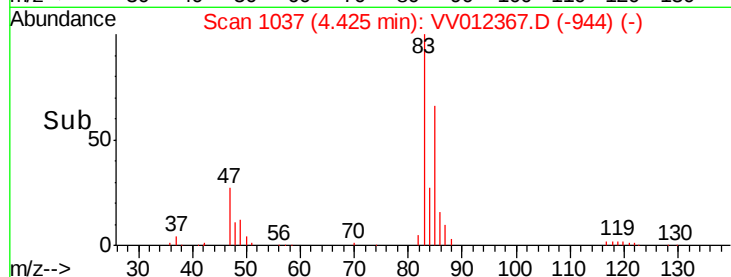
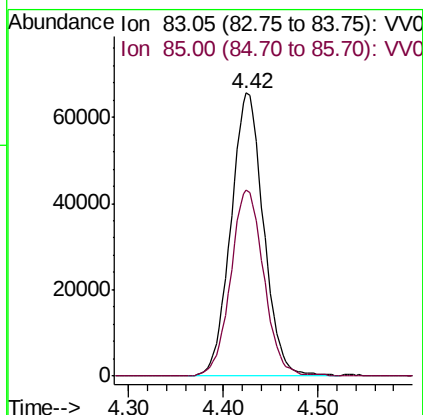
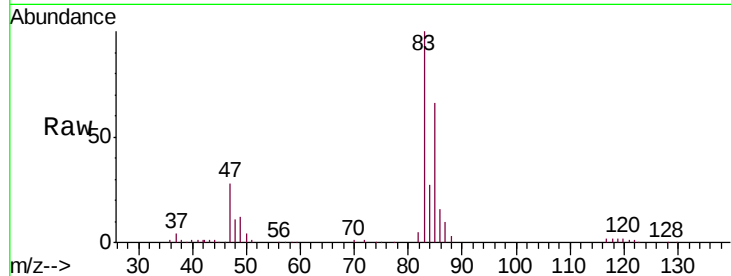




#25
Chloroform
Concen: 4.681 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

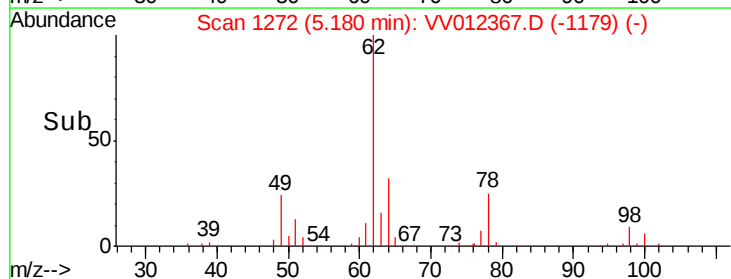
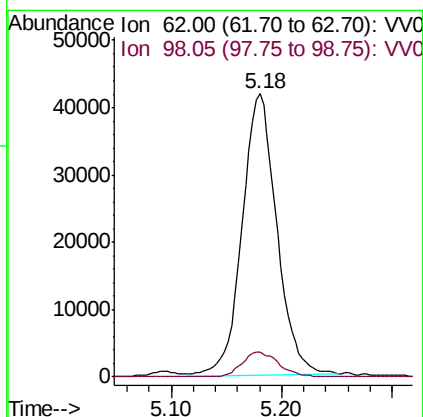
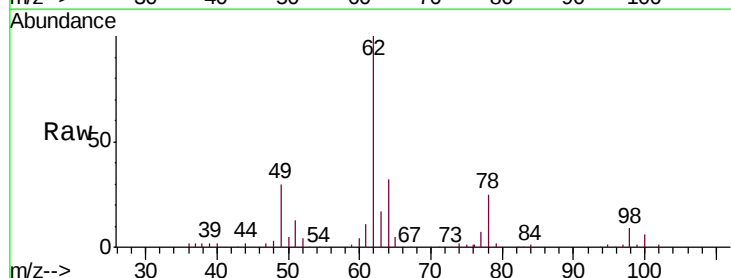
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

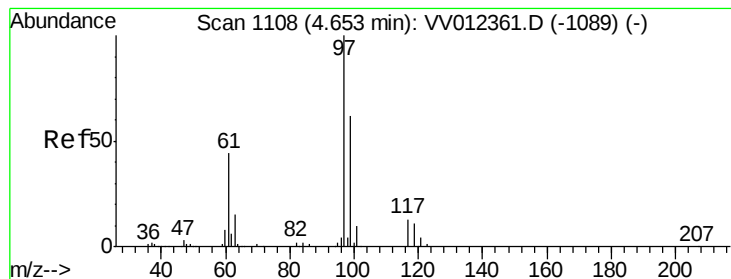
Tgt Ion: 83 Resp: 157453
Ion Ratio Lower Upper
83 100
85 66.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.111 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

Tgt Ion: 62 Resp: 90724
Ion Ratio Lower Upper
62 100
98 8.6 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.837 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

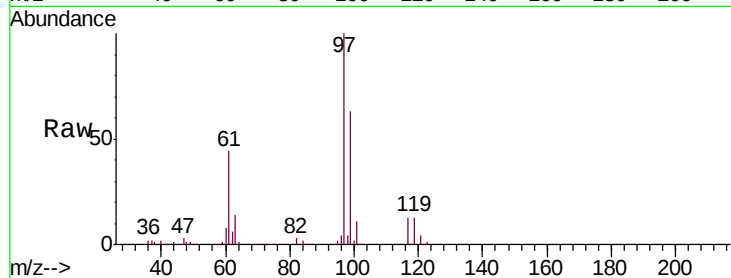
Tgt Ion: 97 Resp: 126042

Ion Ratio Lower Upper

97 100

99 63.2 50.5 75.7

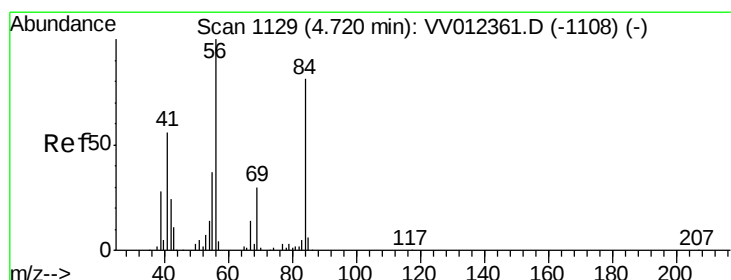
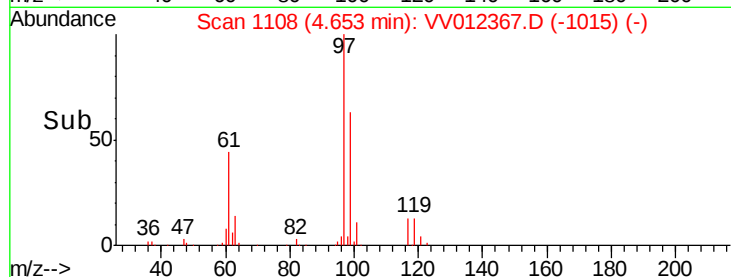
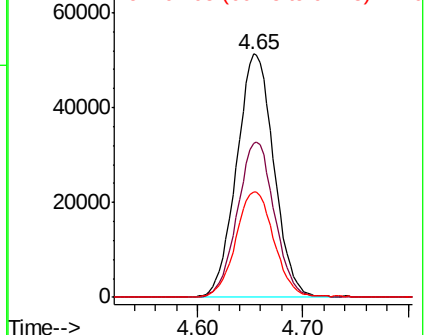
61 44.7 35.4 53.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.786 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

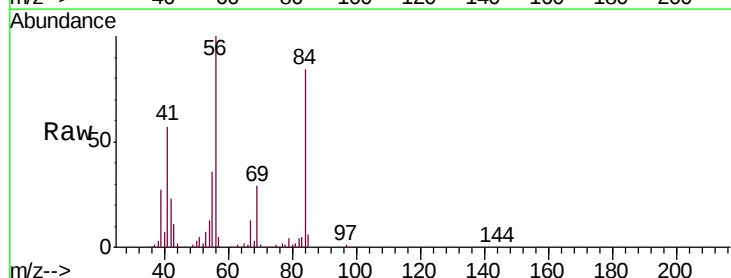
Tgt Ion: 56 Resp: 128837

Ion Ratio Lower Upper

56 100

69 29.5 24.0 36.0

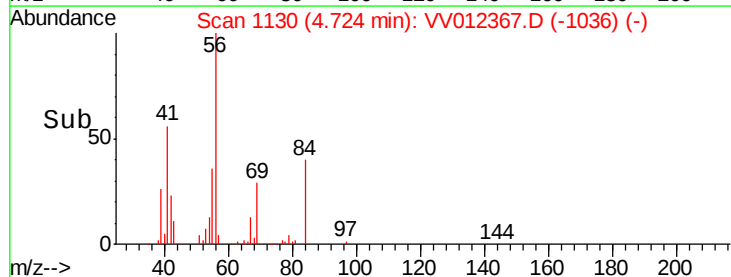
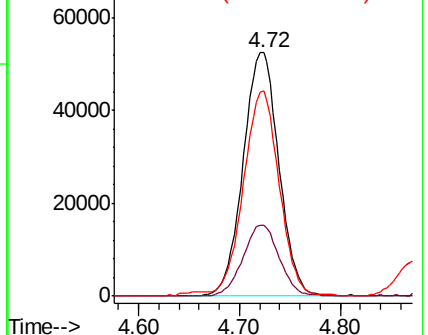
84 83.0 67.9 101.9

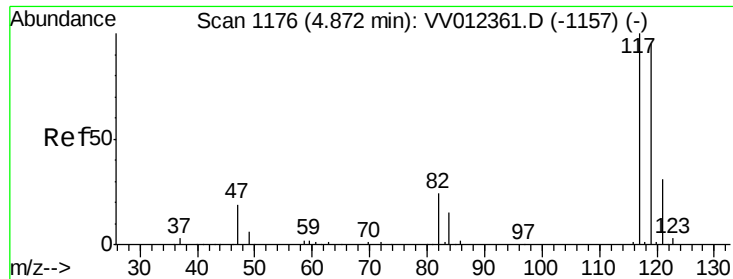


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.768 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

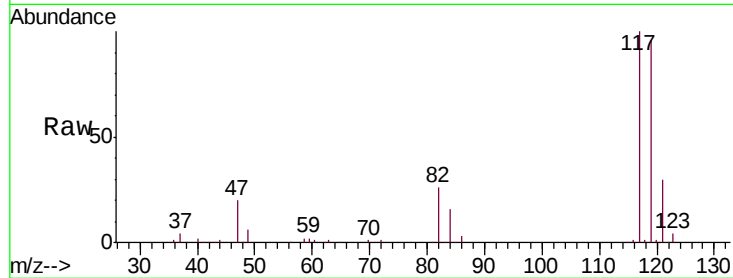
VSTD00549

Tgt Ion:117 Resp: 109873

Ion Ratio Lower Upper

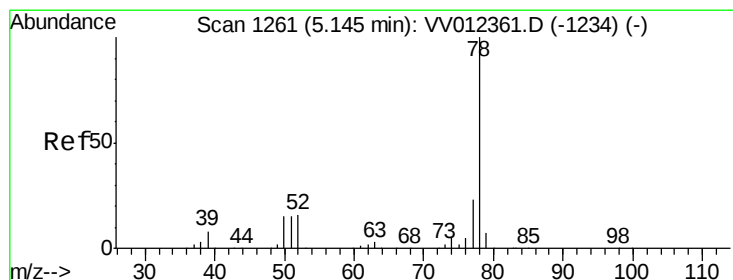
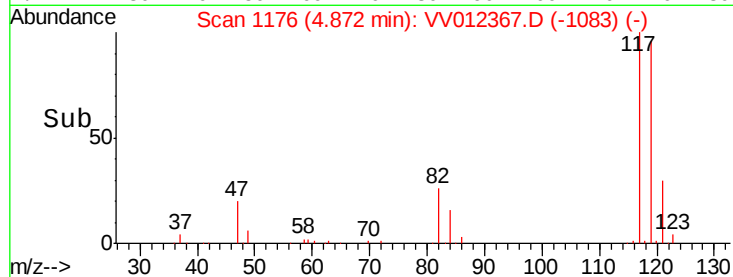
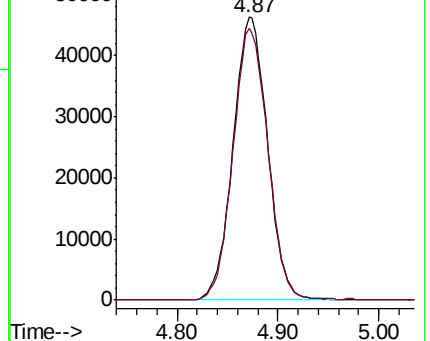
117 100

119 97.1 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.109 ug/L

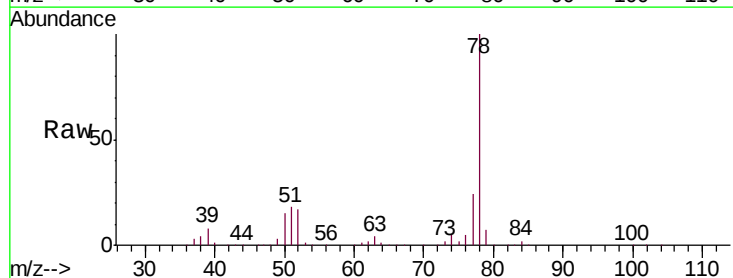
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

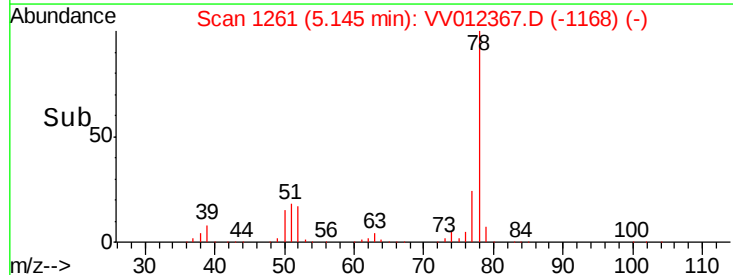
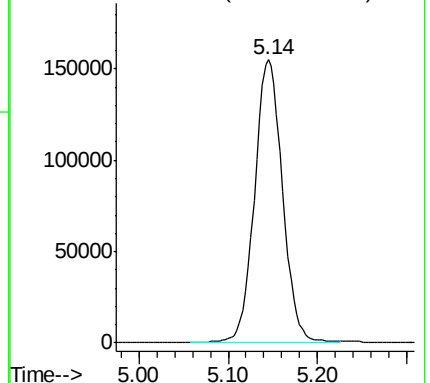
Lab File: VV012367.D

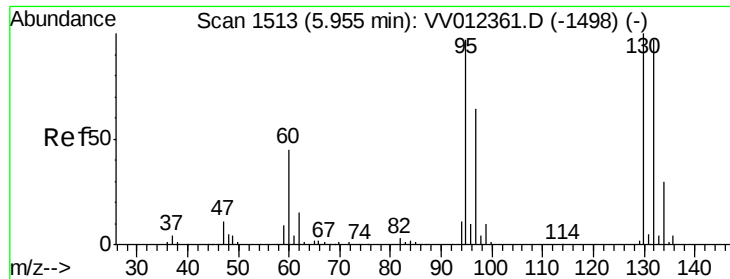
Acq: 23 Aug 2019 16:09

Tgt Ion: 78 Resp: 339799



Abundance Ion 78.10 (77.80 to 78.80): VV0

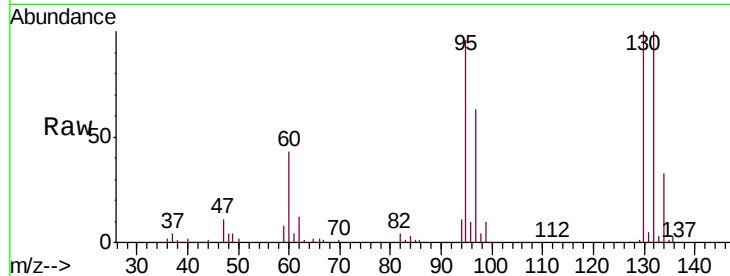




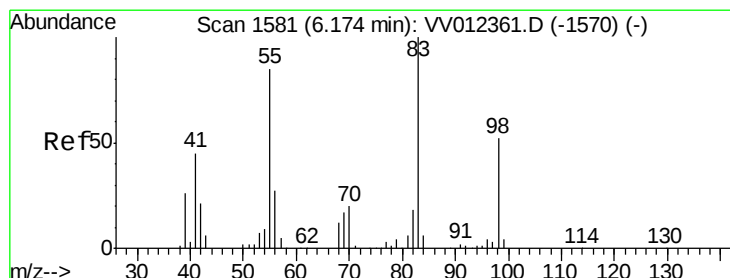
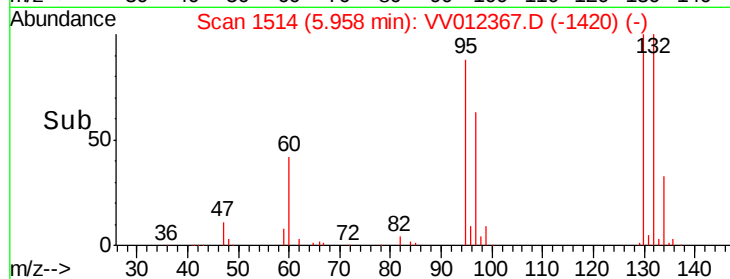
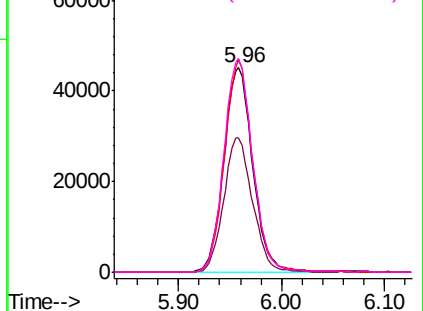
#34
 Trichloroethene
 Concen: 4.921 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion: 95 Resp: 88343
 Ion Ratio Lower Upper
 95 100
 97 66.0 46.3 86.1
 132 104.1 70.3 130.7
 130 104.5 72.4 134.5

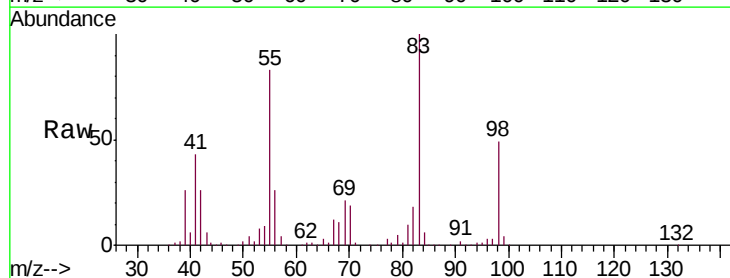


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

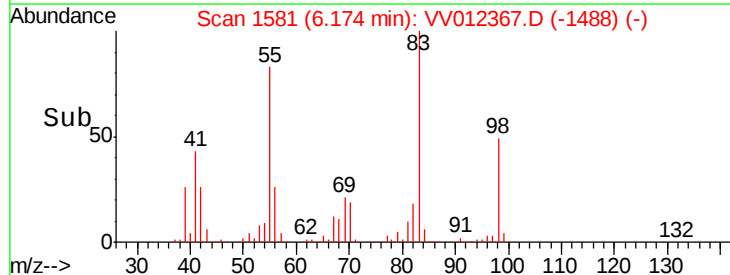
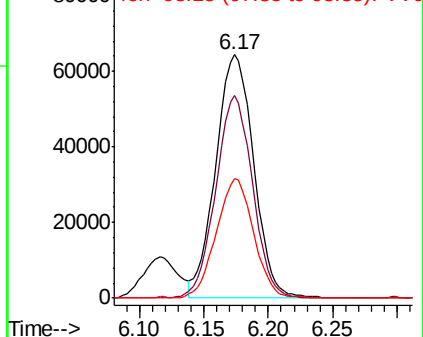


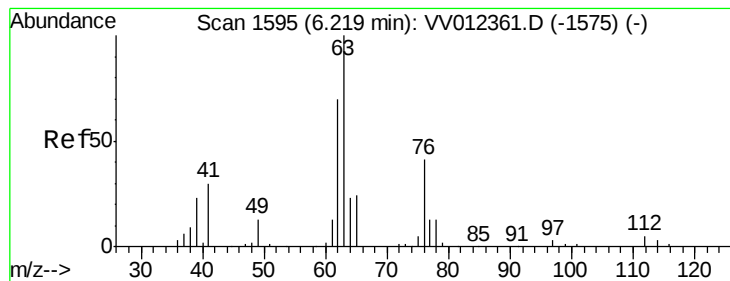
#35
 Methylcyclohexane
 Concen: 4.670 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

Tgt Ion: 83 Resp: 131655
 Ion Ratio Lower Upper
 83 100
 55 80.9 64.6 97.0
 98 48.3 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.131 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

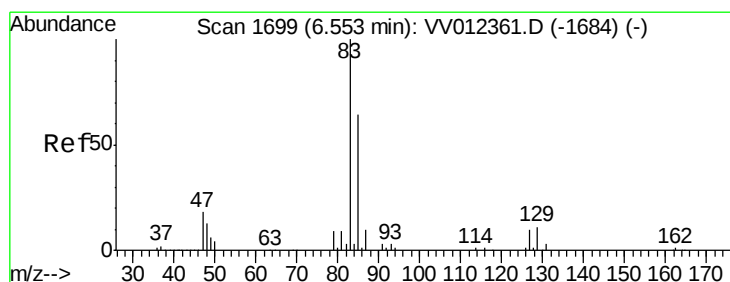
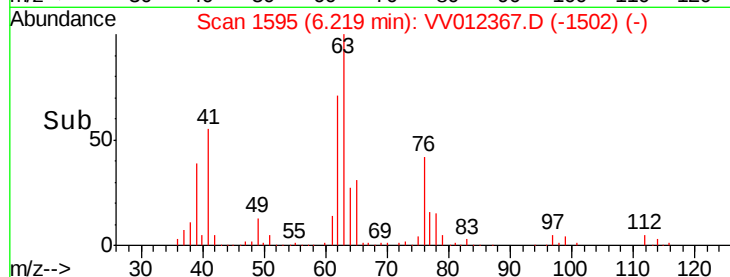
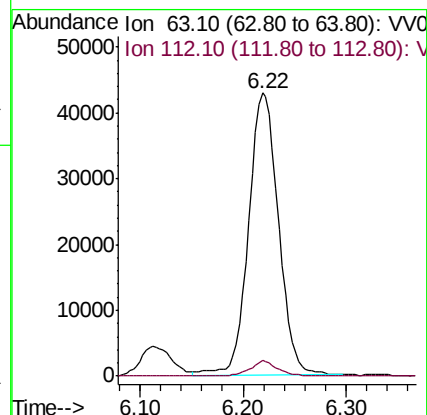
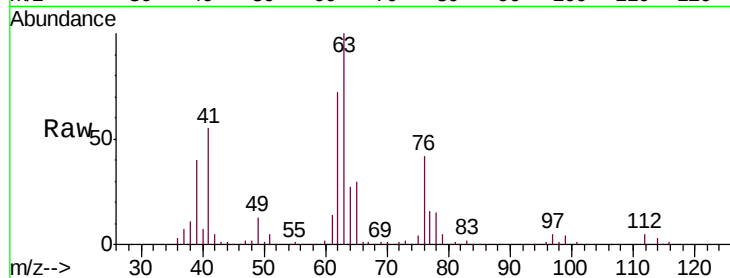
VSTD00549

Tgt Ion: 63 Resp: 86479

Ion Ratio Lower Upper

63 100

112 4.9 4.2 6.2



#38

Bromodichloromethane

Concen: 5.129 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

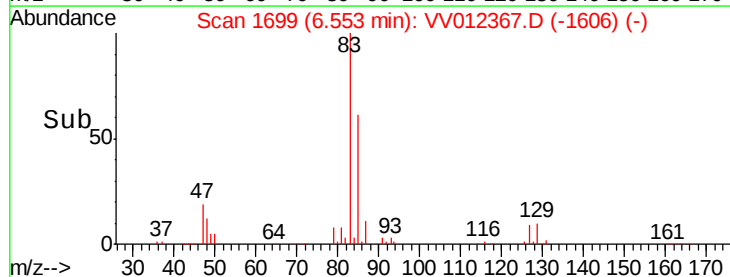
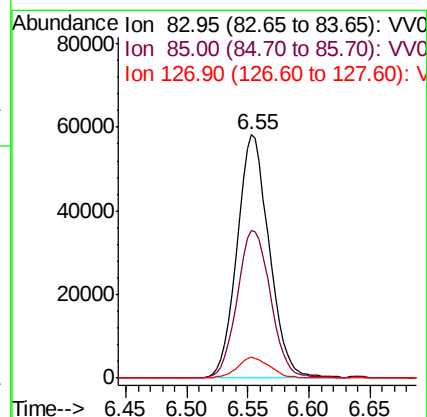
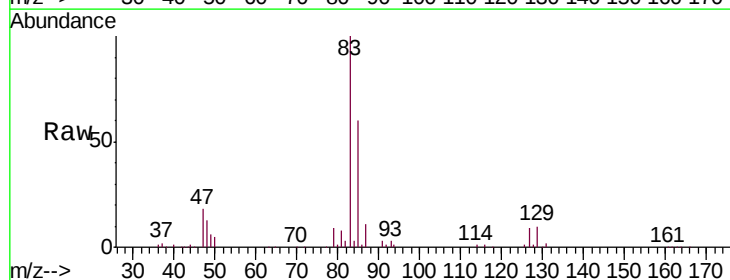
Tgt Ion: 83 Resp: 106645

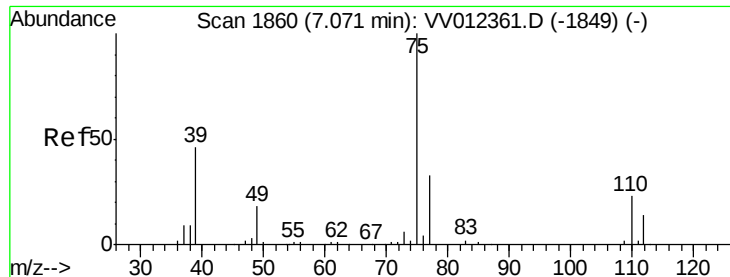
Ion Ratio Lower Upper

83 100

85 60.4 45.0 83.6

127 8.6 7.7 11.5

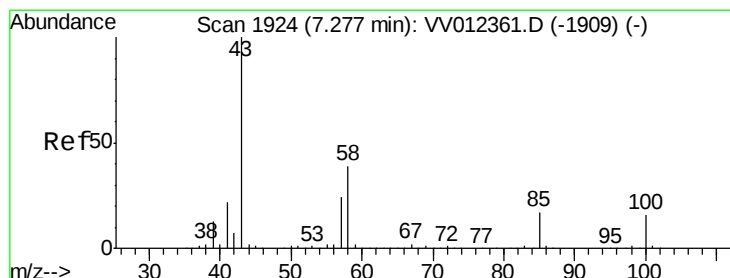
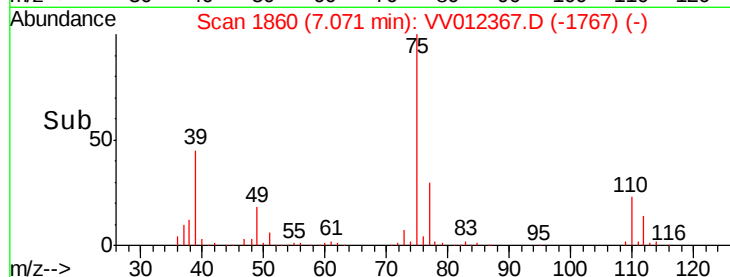
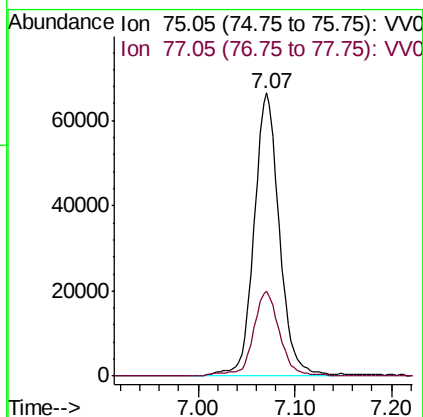
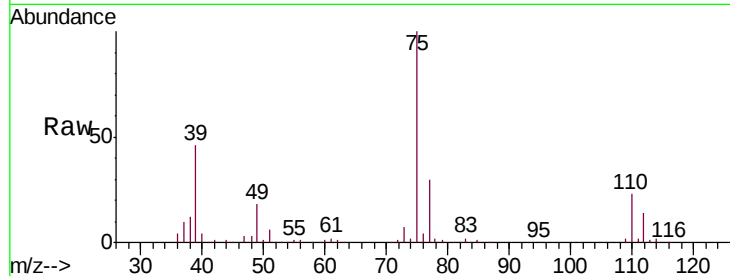




#39
 cis-1,3-Dichloropropene
 Concen: 5.340 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

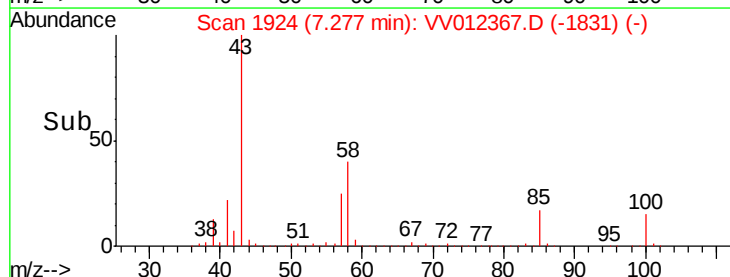
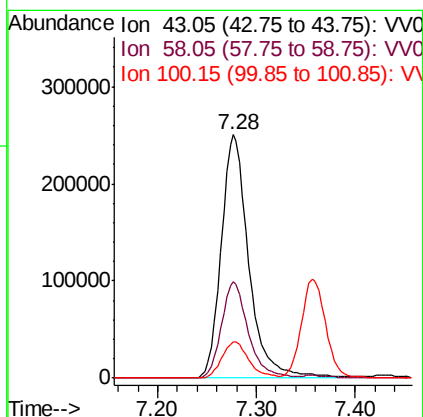
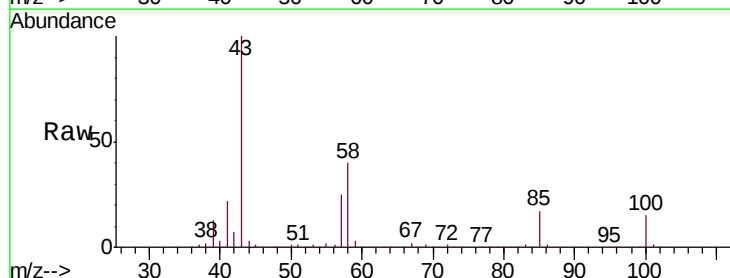
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

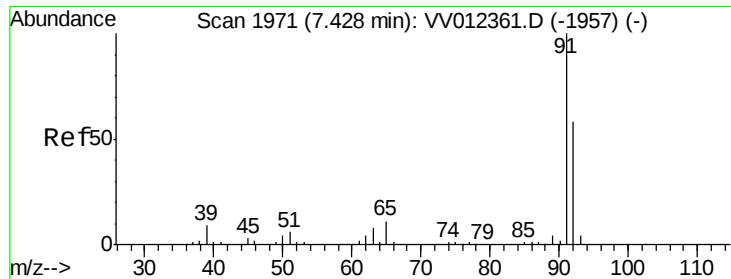
Tgt Ion: 75 Resp: 120984
 Ion Ratio Lower Upper
 75 100
 77 29.9 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 54.291 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

Tgt Ion: 43 Resp: 491497
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.7 46.1
 100 14.7 11.8 17.6





#42

Toluene

Concen: 5.311 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

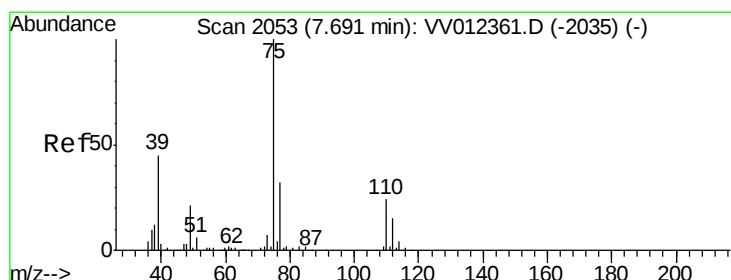
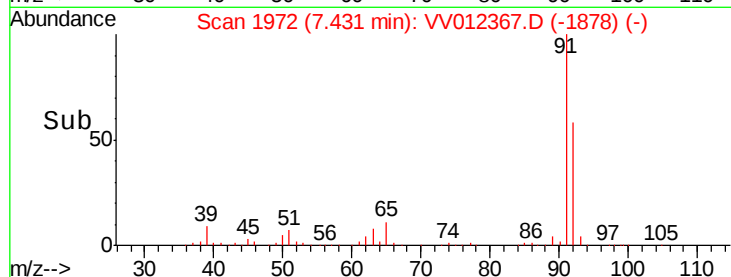
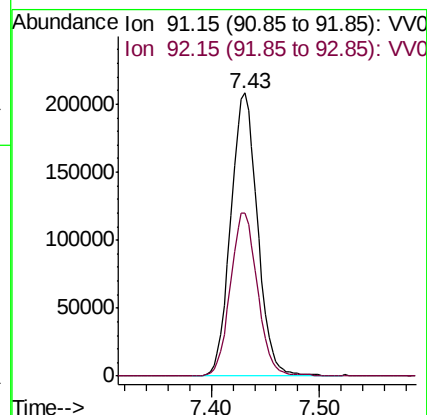
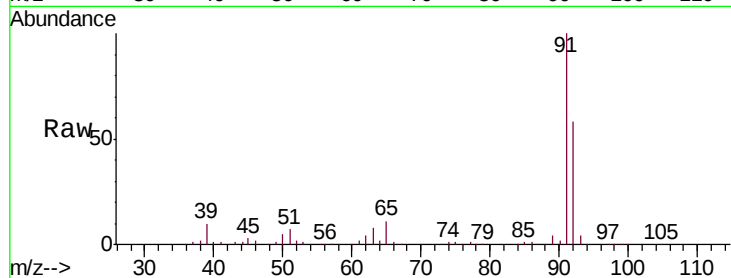
VSTD00549

Tgt Ion: 91 Resp: 360835

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.335 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012367.D

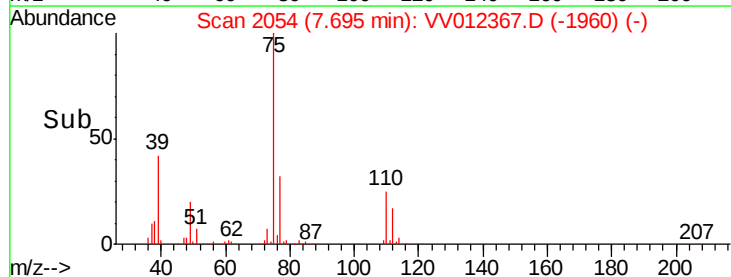
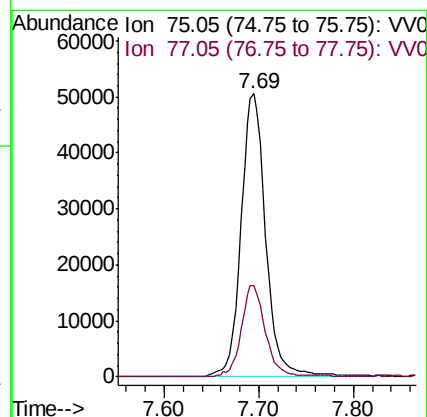
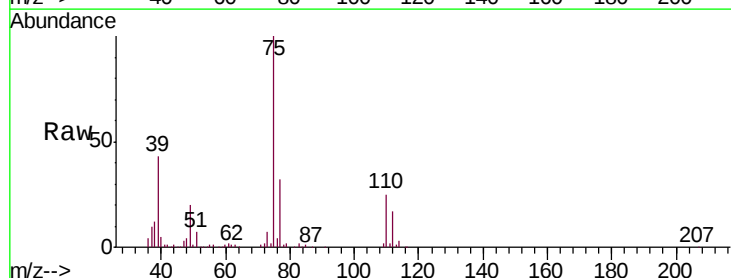
Acq: 23 Aug 2019 16:09

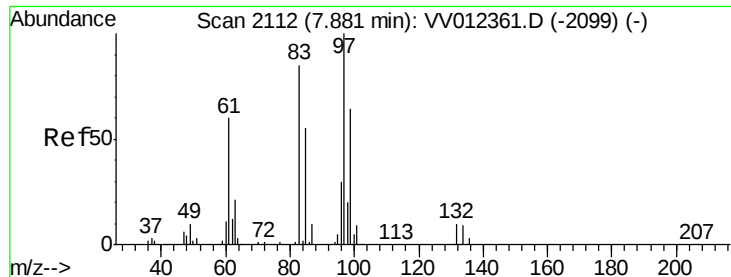
Tgt Ion: 75 Resp: 91428

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0

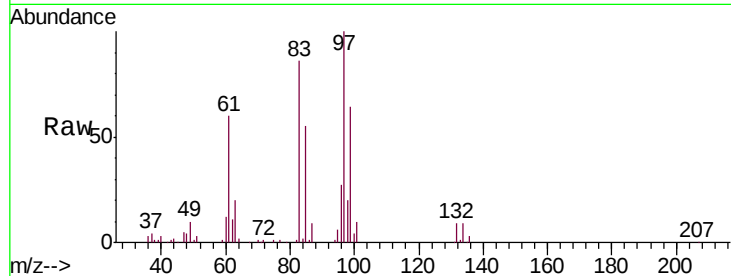




#45
 1,1,2-Trichloroethane
 Concen: 5.311 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion:	97	Resp:	57988
Ion	Ratio	Lower	Upper
97	100		
99	64.0	45.0	83.6
83	85.5	59.3	110.1
85	54.7	38.8	72.0



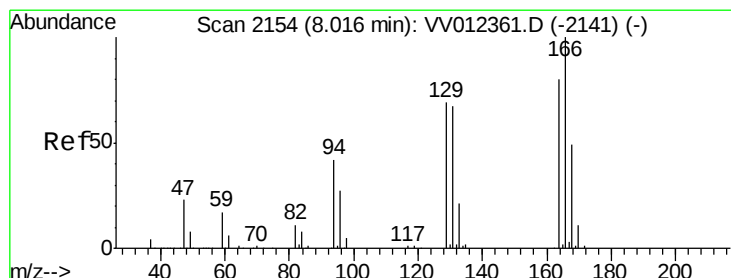
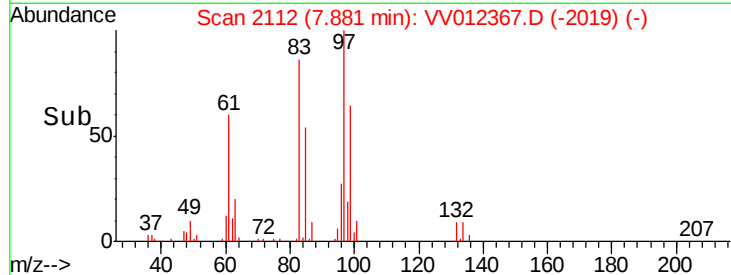
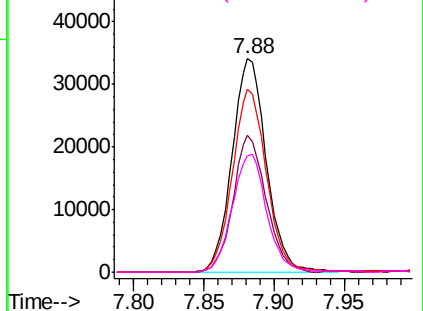
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

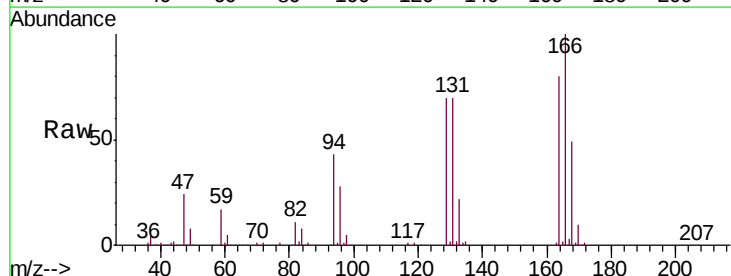
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.070 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

Tgt Ion:	164	Resp:	73436
Ion	Ratio	Lower	Upper
164	100		
129	86.8	60.6	112.6
131	86.6	58.8	109.2
166	124.3	87.6	162.8



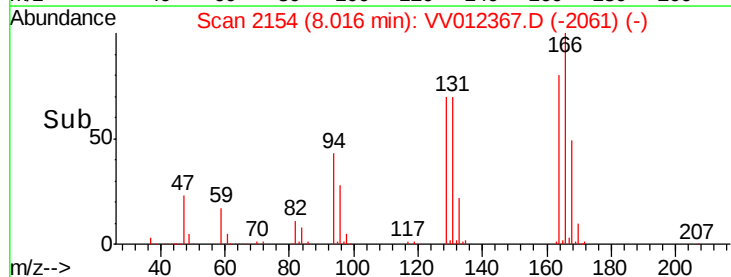
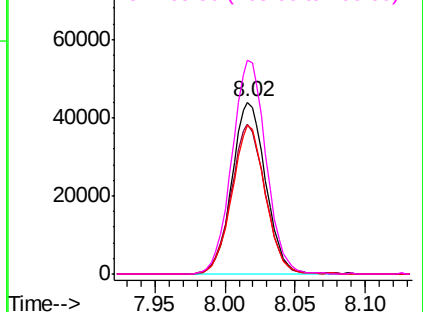
Abundance

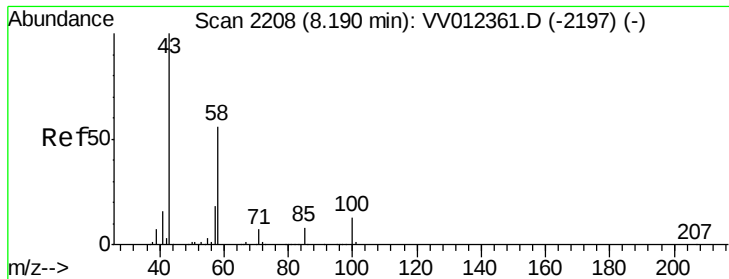
Ion 163.90 (163.60 to 164.60): V

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

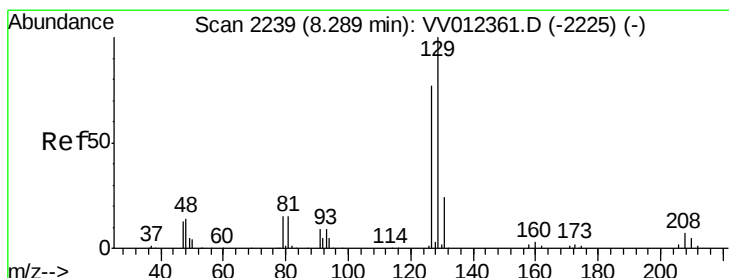
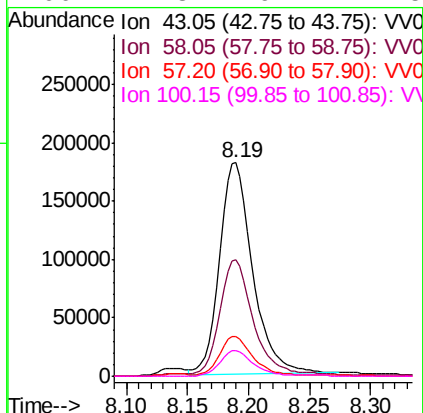
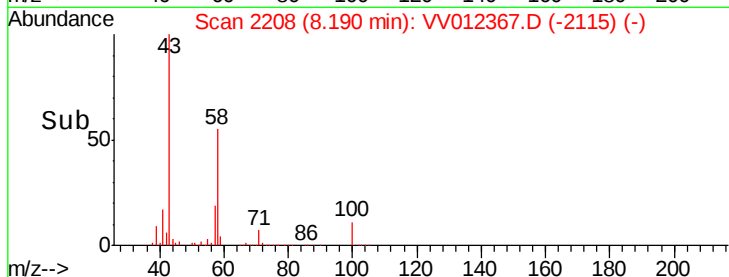
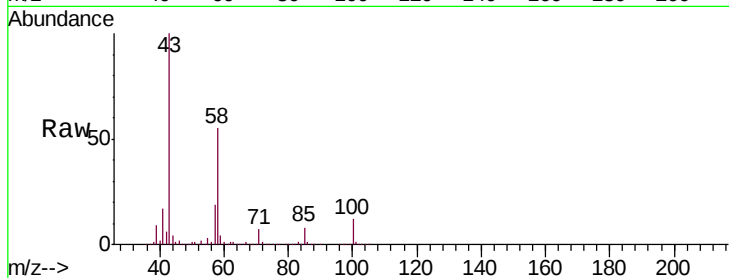




#48
2-Hexanone
Concen: 53.084 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

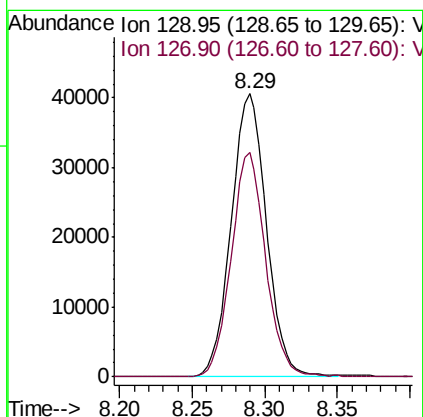
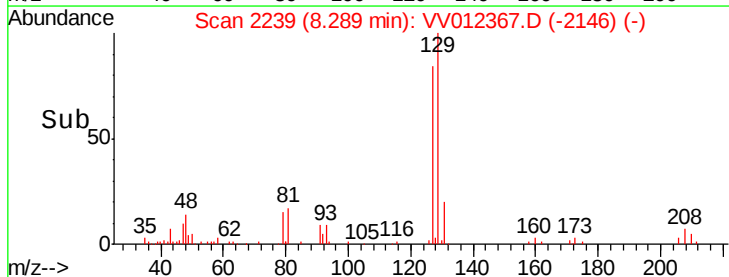
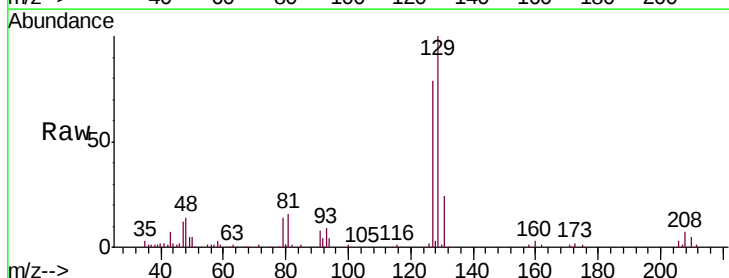
Instrument :
MSVOA_V
ClientSampled :
VSTD00549

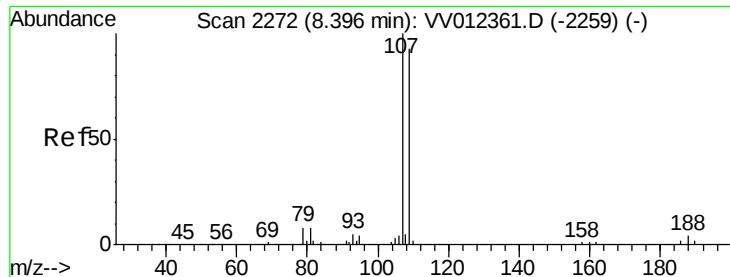
Tgt Ion:	43	Resp:	345789
Ion	Ratio	Lower	Upper
43	100		
58	56.0	46.3	69.5
57	18.8	14.9	22.3
100	11.8	9.7	14.5



#49
Dibromochloromethane
Concen: 5.242 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

Tgt Ion:	129	Resp:	68590
Ion	Ratio	Lower	Upper
129	100		
127	79.1	53.8	99.8

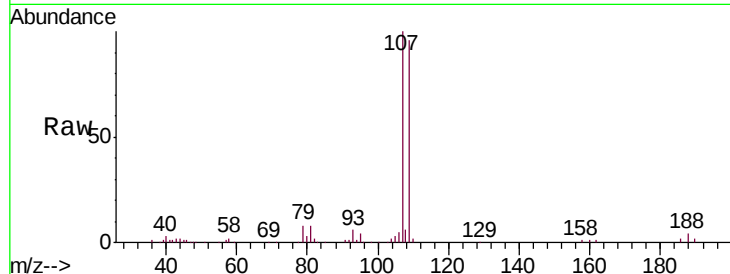




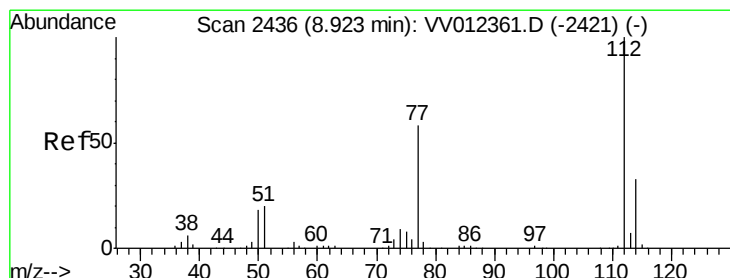
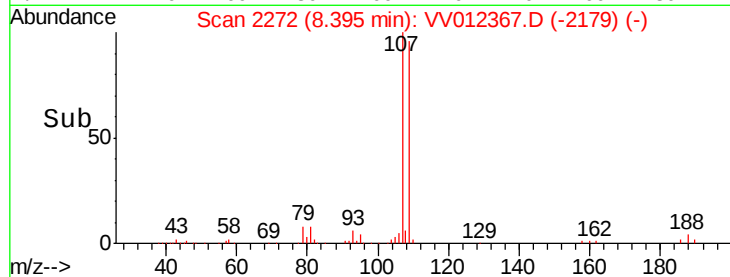
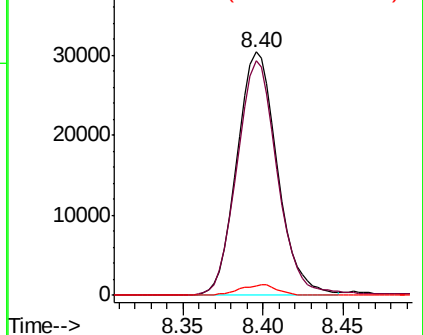
#50
1,2-Dibromoethane
Concen: 5.076 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion:107 Resp: 52396
Ion Ratio Lower Upper
107 100
109 96.4 64.9 120.5
188 4.1 3.5 5.3

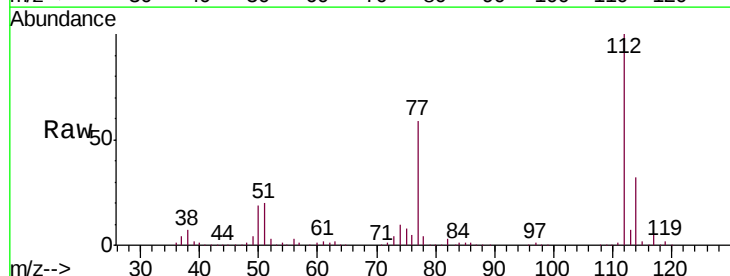


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

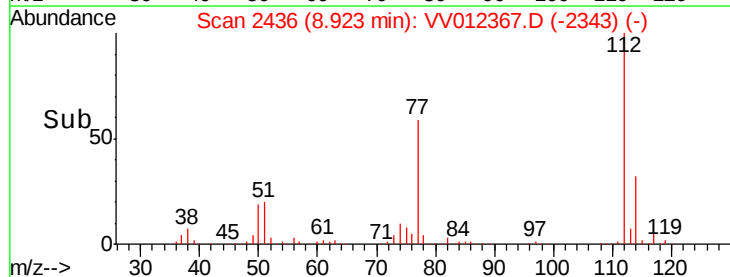
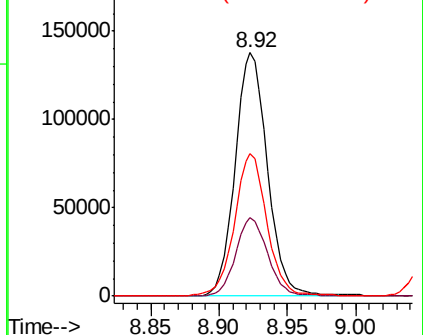


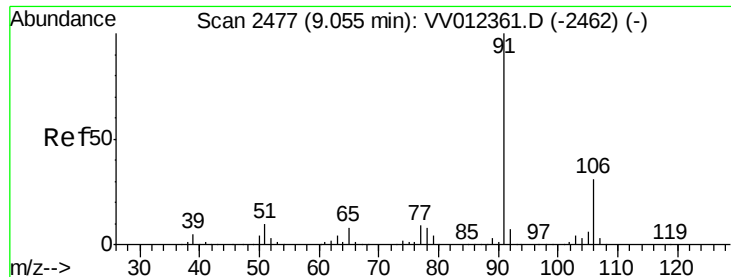
#51
Chlorobenzene
Concen: 5.095 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012367.D
Acq: 23 Aug 2019 16:09

Tgt Ion:112 Resp: 226137
Ion Ratio Lower Upper
112 100
114 32.3 23.0 42.6
77 58.7 46.4 69.6



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: 5.126 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

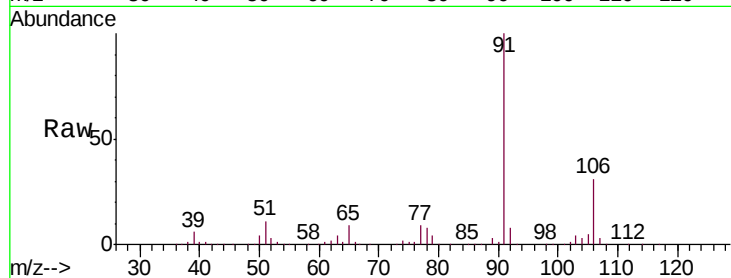
VSTD00549

Tgt Ion: 91 Resp: 374866

Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012367.D (-2462) (-)

Ion 106.15 (105.85 to 106.85): VV012367.D (-2462) (-)

9.05

250000

200000

150000

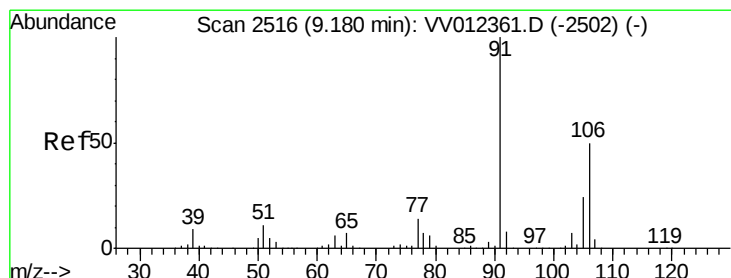
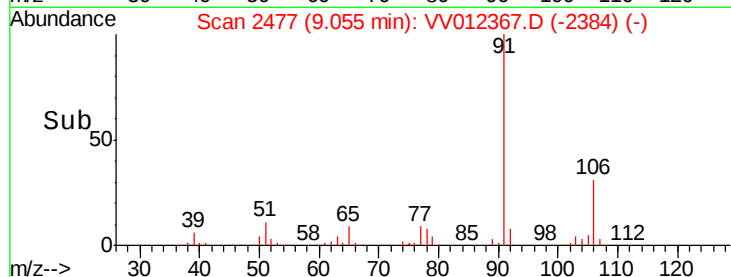
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.311 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012367.D

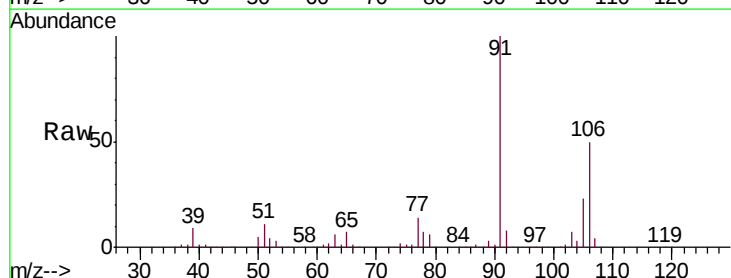
Acq: 23 Aug 2019 16:09

Tgt Ion: 106 Resp: 145584

Ion Ratio Lower Upper

106 100

91 200.3 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV012367.D (-2502) (-)

Ion 91.15 (90.85 to 91.85): VV012367.D (-2502) (-)

9.18

200000

150000

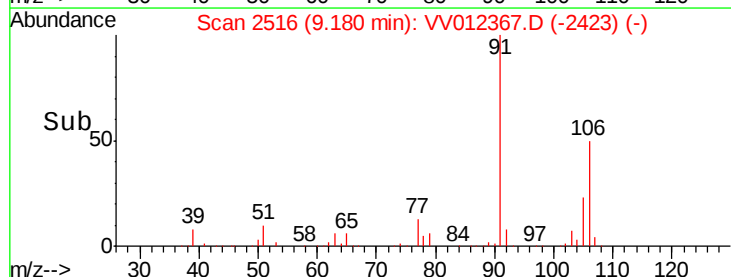
100000

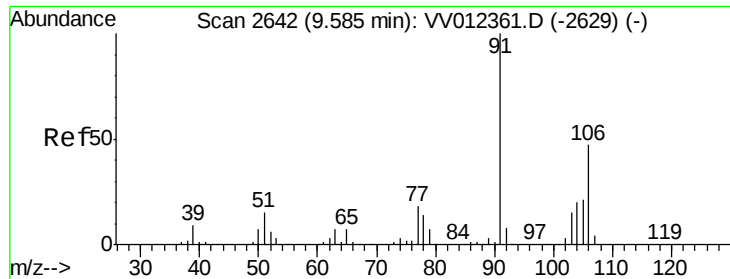
50000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 5.328 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

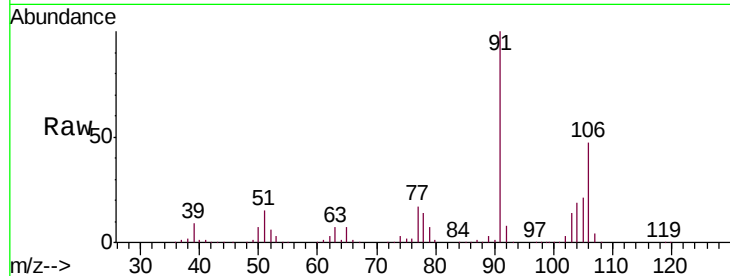
VSTD00549

Tgt Ion:106 Resp: 138999

Ion Ratio Lower Upper

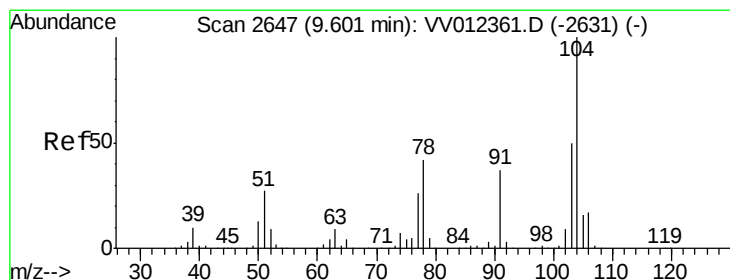
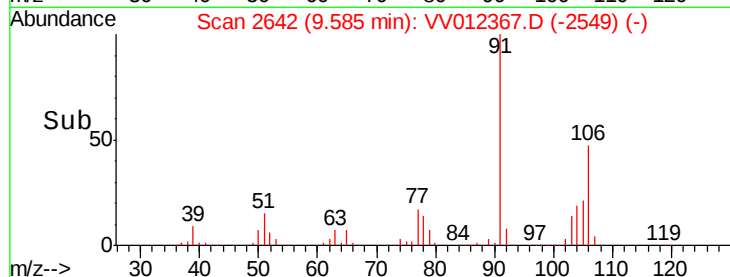
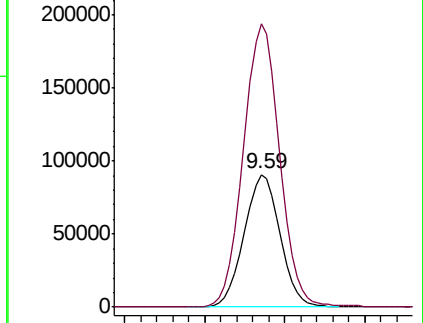
106 100

91 213.6 149.5 277.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.442 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012367.D

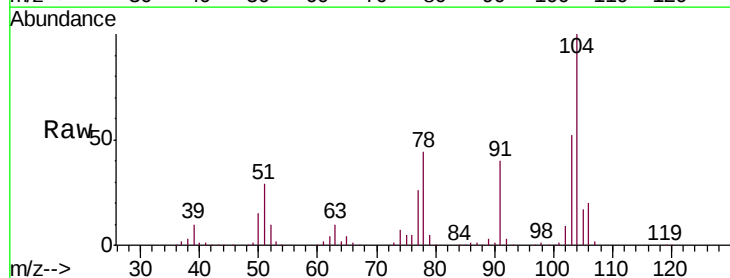
Acq: 23 Aug 2019 16:09

Tgt Ion:104 Resp: 237498

Ion Ratio Lower Upper

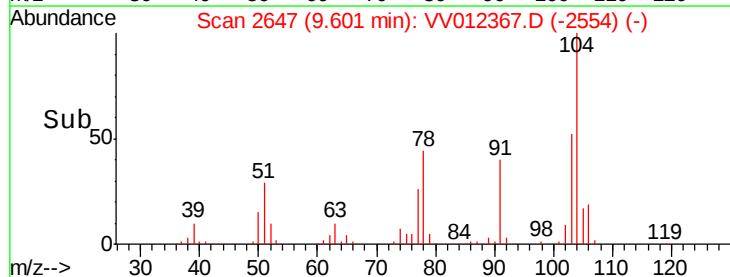
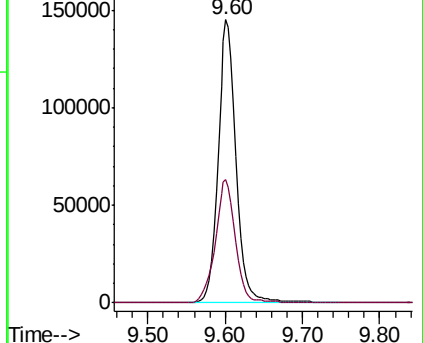
104 100

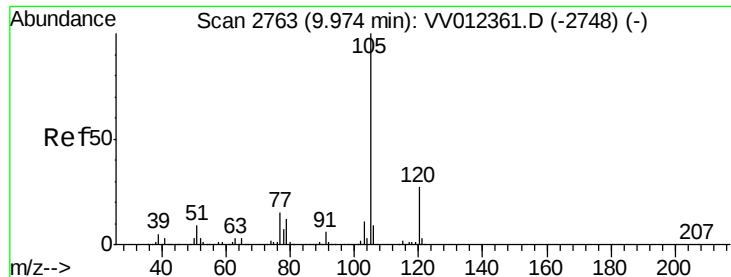
78 43.7 29.8 55.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.243 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

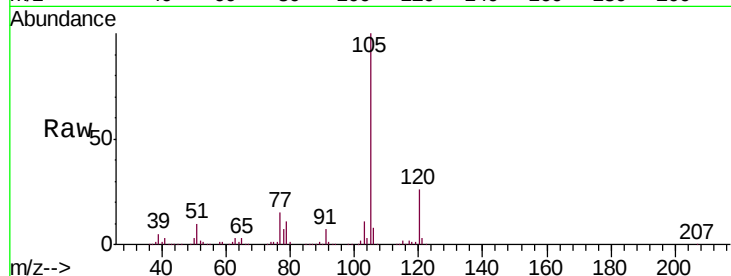
Tgt Ion: 105 Resp: 366042

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

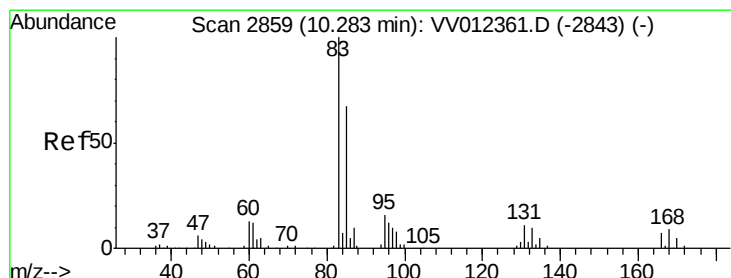
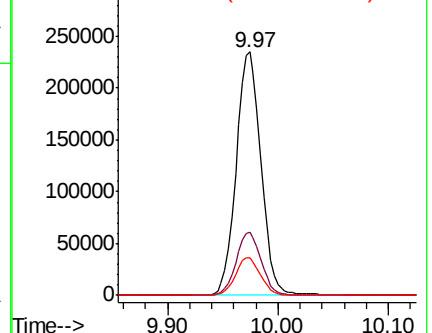
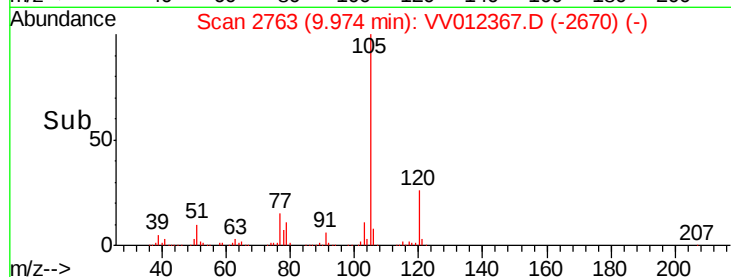
77 15.7 12.5 18.7



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: 5.262 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

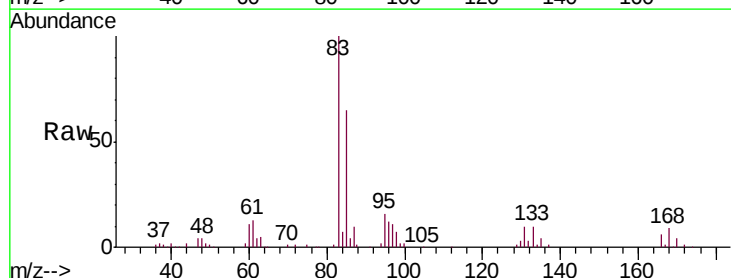
Tgt Ion: 83 Resp: 61669

Ion Ratio Lower Upper

83 100

85 65.5 46.5 86.5

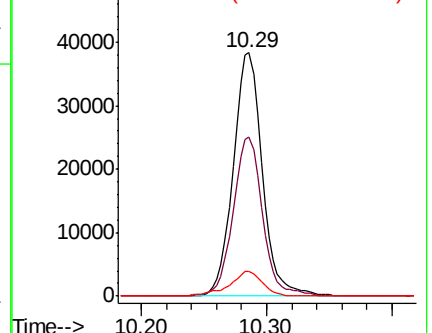
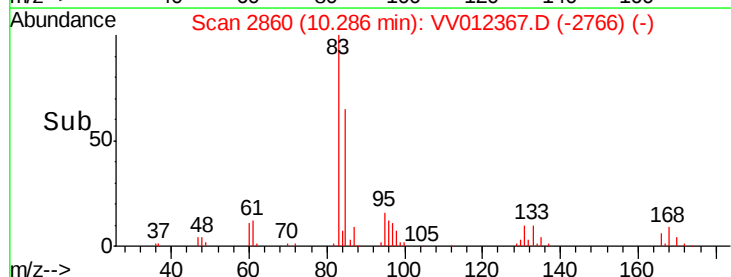
131 10.3 8.9 13.3

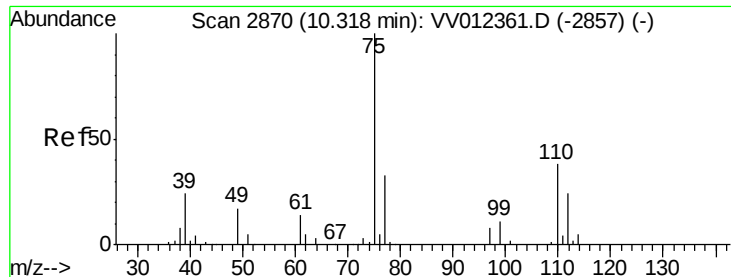


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

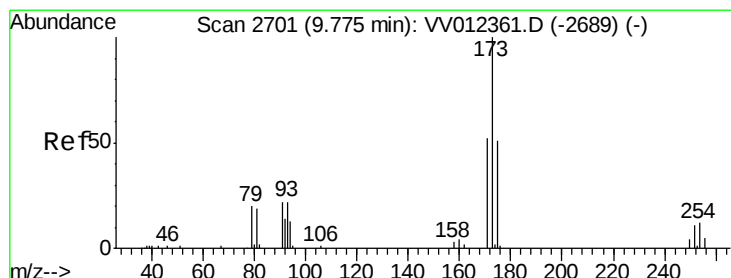
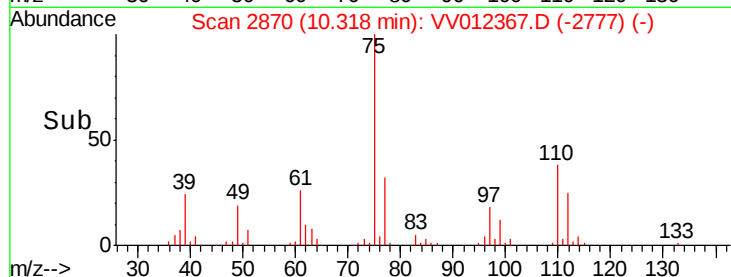
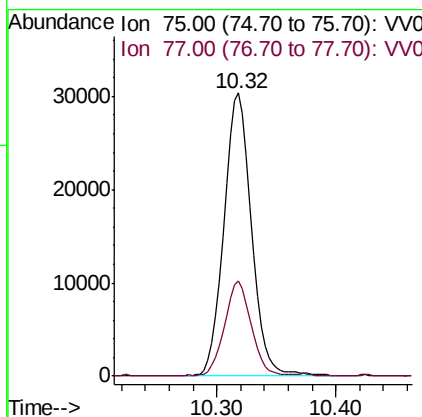
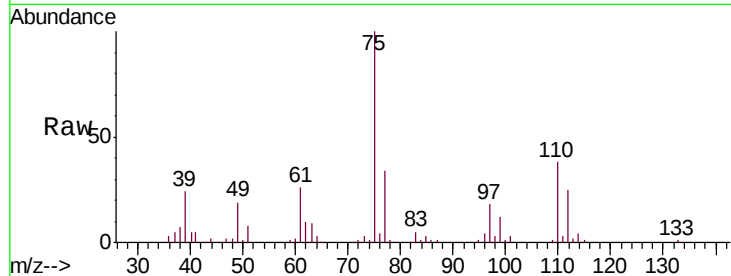




#59
 1,2,3-Trichloropropane
 Concen: 5.257 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

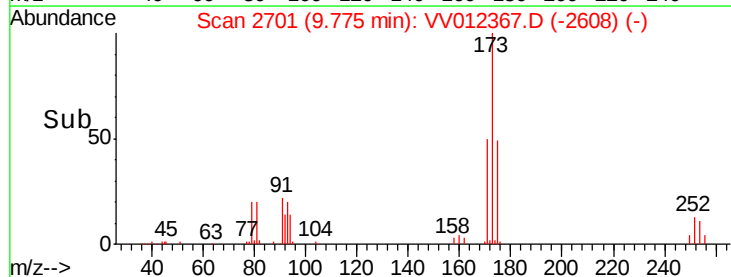
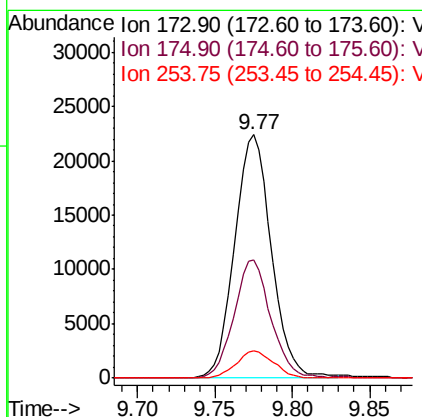
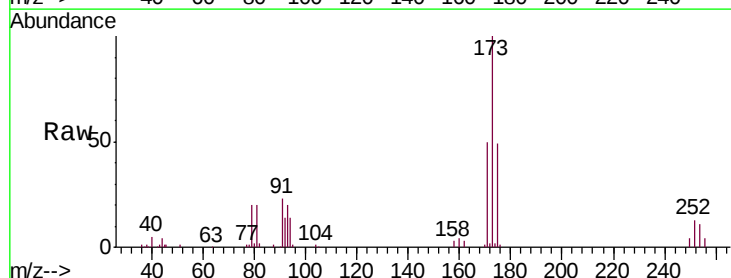
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

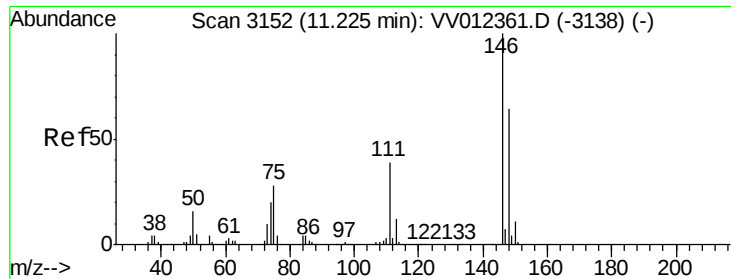
Tgt Ion: 75 Resp: 48667
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9



#61
 Bromoform
 Concen: 4.923 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012367.D
 Acq: 23 Aug 2019 16:09

Tgt Ion: 173 Resp: 36960
 Ion Ratio Lower Upper
 173 100
 175 48.3 40.7 61.1
 254 11.2 9.5 14.3





#62

1,3-Dichlorobenzene

Concen: 5.065 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

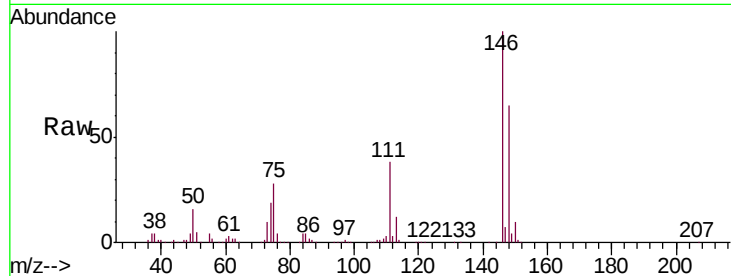
Tgt Ion:146 Resp: 179996

Ion Ratio Lower Upper

146 100

111 38.2 27.0 50.2

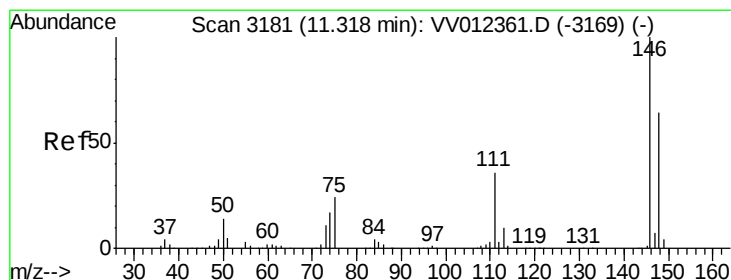
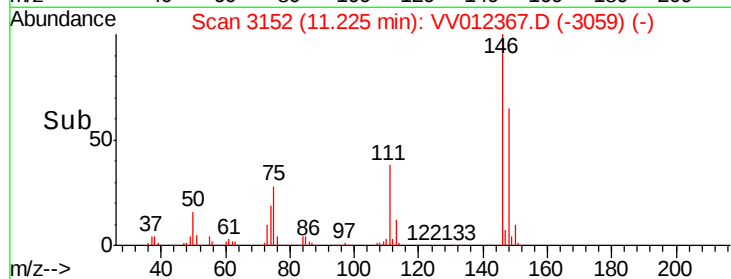
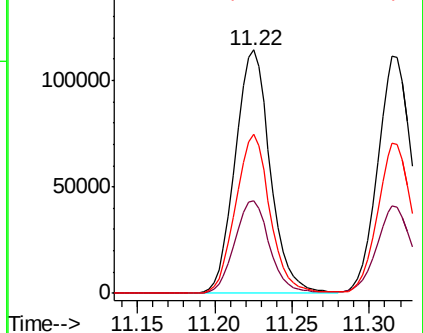
148 65.1 44.7 83.1



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: 4.982 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

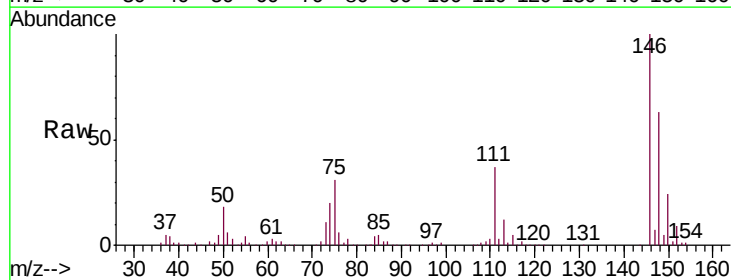
Tgt Ion:146 Resp: 177322

Ion Ratio Lower Upper

146 100

111 37.0 25.7 47.7

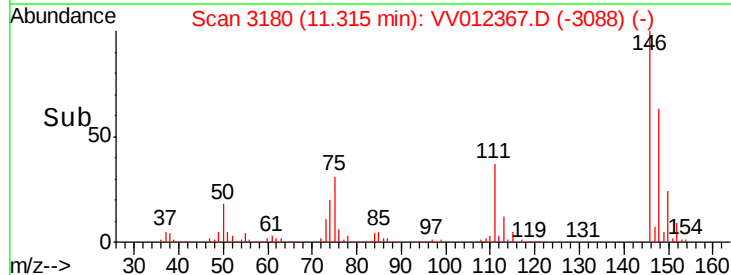
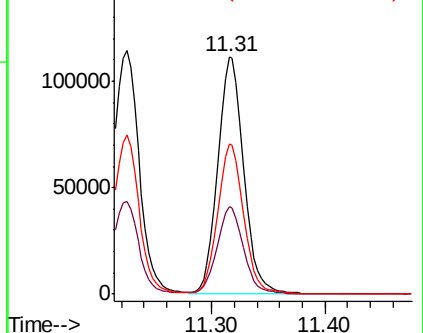
148 63.2 45.0 83.6

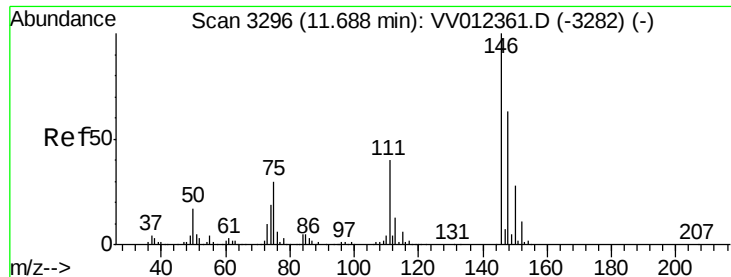


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.109 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampled :

VSTD00549

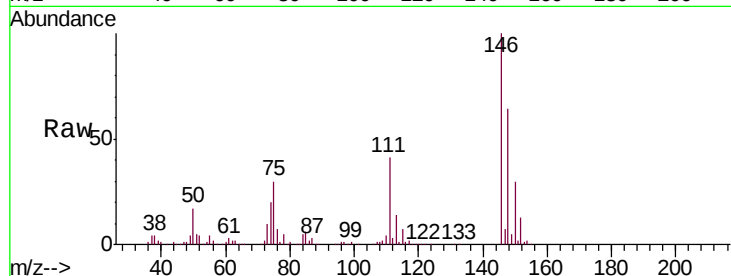
Tgt Ion:146 Resp: 166980

Ion Ratio Lower Upper

146 100

111 41.3 31.9 47.9

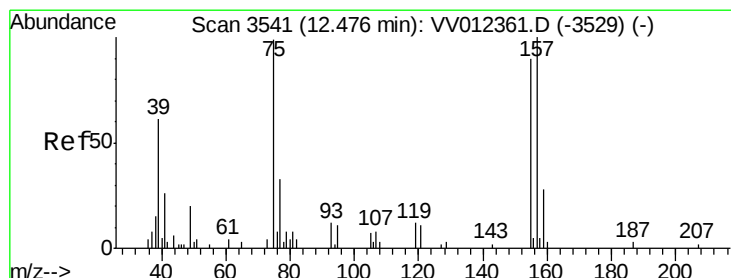
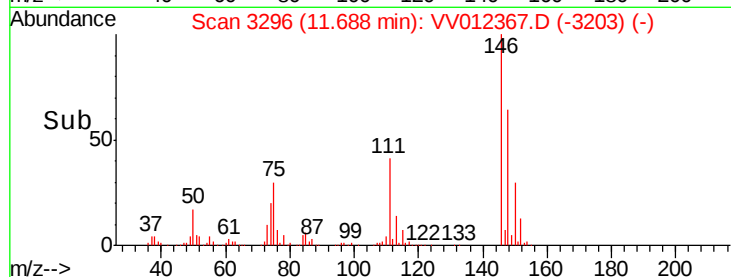
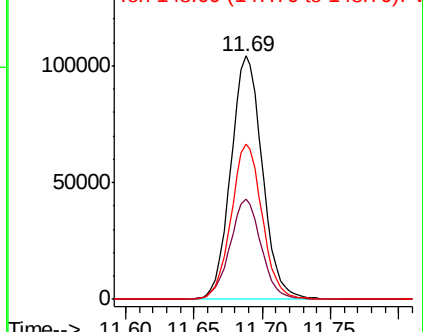
148 64.0 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.688 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

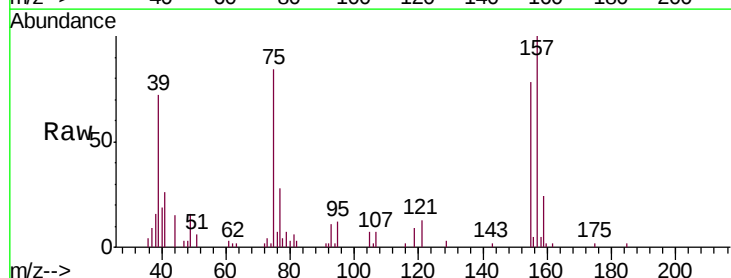
Tgt Ion: 75 Resp: 8783

Ion Ratio Lower Upper

75 100

155 93.3 72.6 109.0

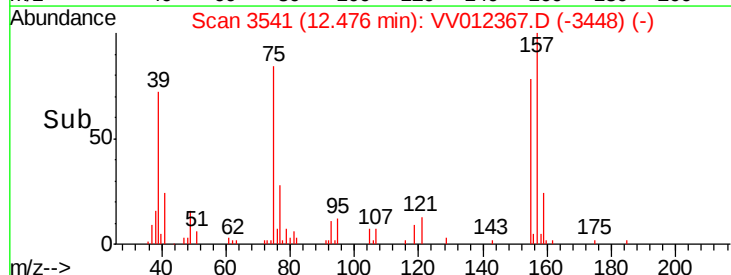
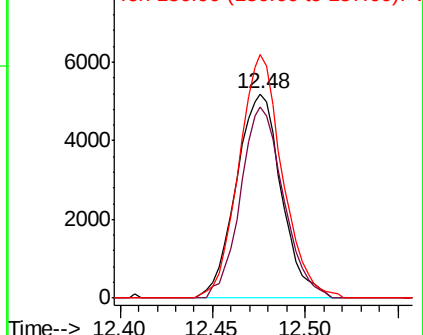
157 119.2 80.5 120.7

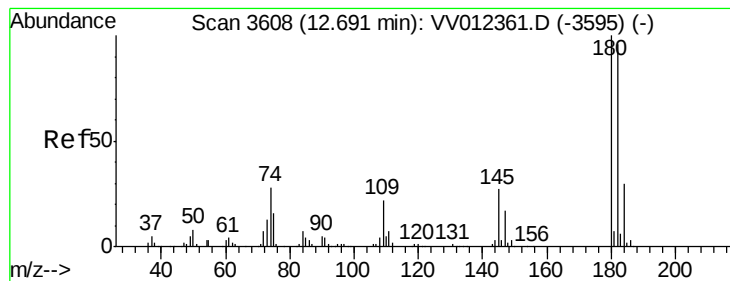


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.027 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

Tgt Ion:180 Resp: 136795

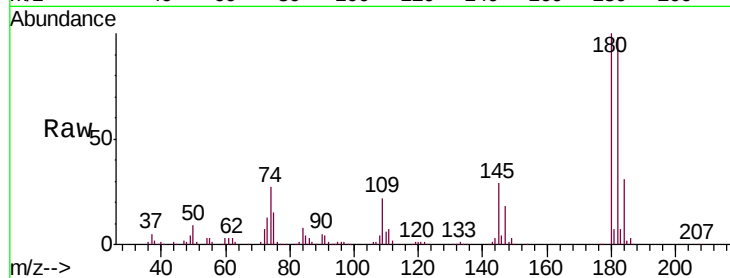
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

184 30.8 23.9 35.9

145 28.3 22.1 33.1

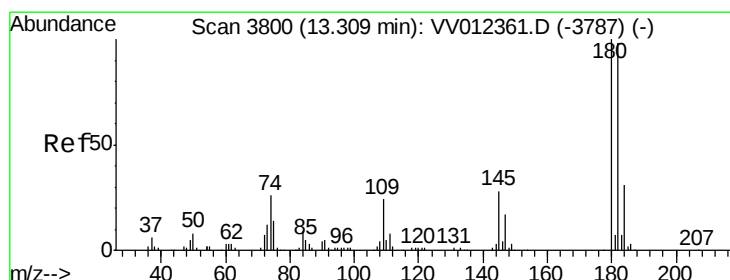
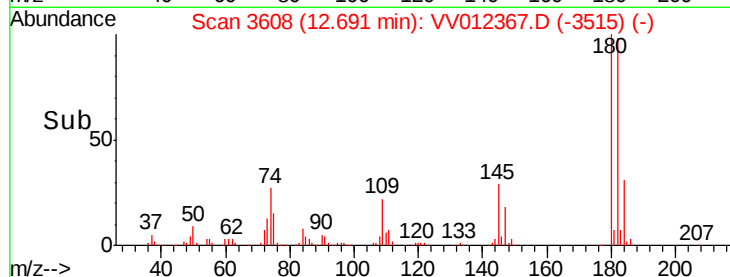
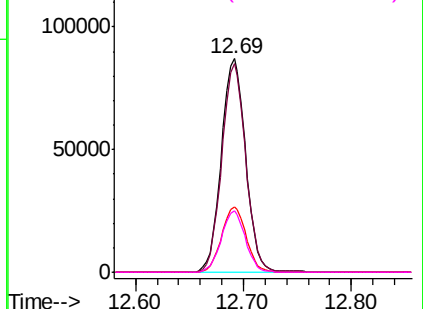


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 5.255 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

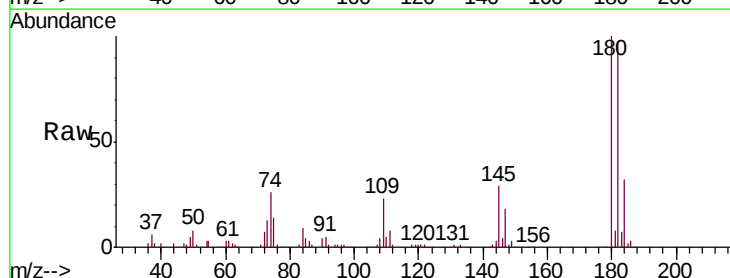
Tgt Ion:180 Resp: 99660

Ion Ratio Lower Upper

180 100

182 96.4 77.3 115.9

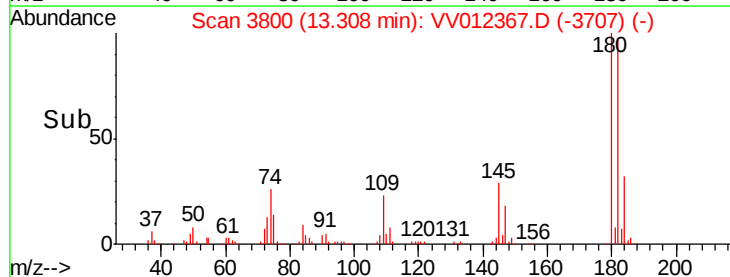
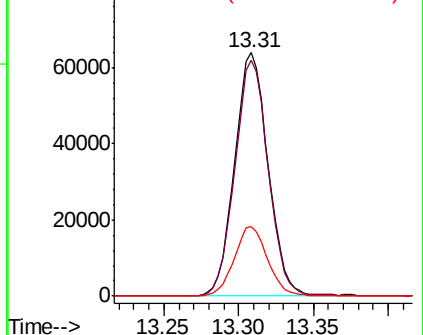
145 28.6 22.6 34.0

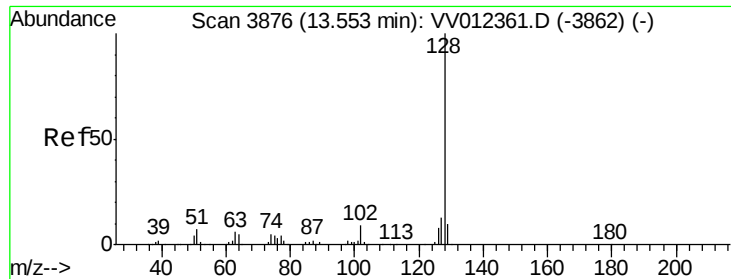


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.005 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

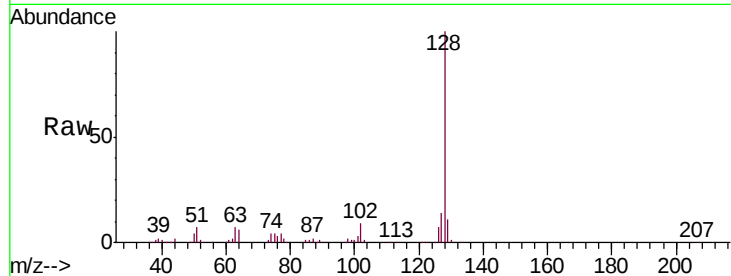
Tgt Ion:128 Resp: 131382

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

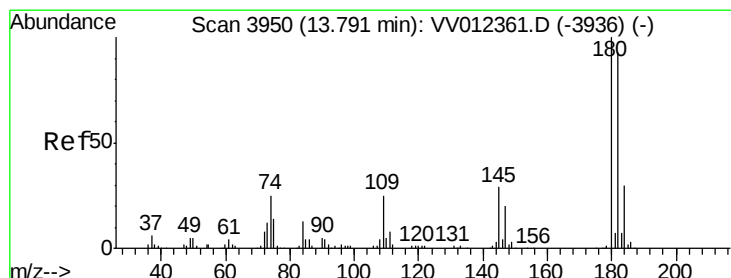
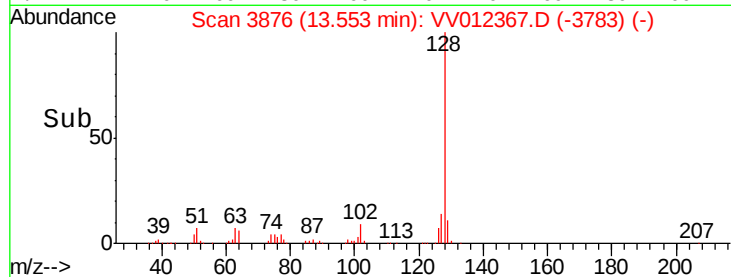
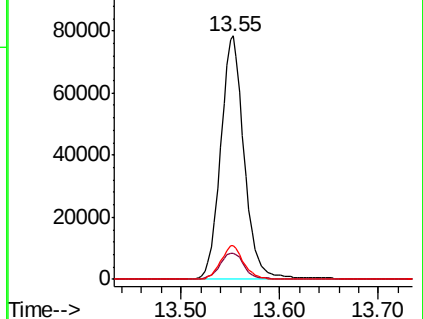
127 13.7 10.5 15.7



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: 5.222 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012367.D

Acq: 23 Aug 2019 16:09

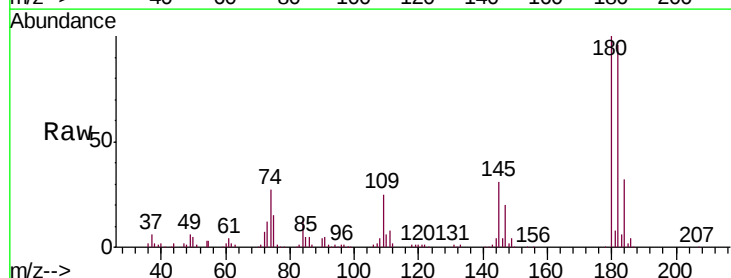
Tgt Ion:180 Resp: 92769

Ion Ratio Lower Upper

180 100

182 95.3 75.1 112.7

145 30.7 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

