

Data File : VV013732.D
Acq On : 22 Nov 2019 13:56
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

Quant Time: Nov 23 01:18:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 12:24:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	467951	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	447797	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	243900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	147232	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.58	69	128593	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.12	63	251207	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	3.96	46	328660	54.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	4.39	84	304140	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.07	65	144272	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.09	84	612674	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.11	67	179948	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.35	98	589312	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
43) trans-1,3-Dichloropropene-	7.66	79	70195	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.13	63	280225	56.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.38%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	125716	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	228812	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	156188	5.011 ug/L	98
3) Chloromethane	1.25	50	134627	4.919 ug/L	100
5) Vinyl chloride	1.32	62	141616	5.066 ug/L	99
6) Bromomethane	1.53	94	74956	5.092 ug/L	95
8) Chloroethane	1.60	64	88399	5.247 ug/L	99
9) Trichlorofluoromethane	1.77	101	218775	5.040 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	131487	5.097 ug/L	99
12) 1,1-Dichloroethene	2.13	96	112438	4.998 ug/L	96
13) Acetone	2.23	43	203886	48.424 ug/L #	59
14) Carbon disulfide	2.31	76	258168	4.970 ug/L	100
15) Methyl Acetate	2.47	43	52170	5.535 ug/L #	90
16) Methylene chloride	2.53	84	140977	4.574 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	322174	5.232 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	133660	5.261 ug/L	98
19) 1,1-Dichloroethane	3.22	63	261462	5.155 ug/L	100
21) 2-Butanone	4.04	43	338304	53.157 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	154243	5.177 ug/L	99

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VSTD00546

Quant Time: Nov 23 01:18:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 12:24:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	68870	5.261	ug/L	97
25) Chloroform	4.42	83	275972	5.133	ug/L	97
27) 1,2-Dichloroethane	5.17	62	159059	5.169	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	232263	5.070	ug/L	100
30) Cyclohexane	4.72	56	198724	5.193	ug/L	100
31) Carbon tetrachloride	4.87	117	207449	5.147	ug/L	100
33) Benzene	5.14	78	566128	5.154	ug/L	100
34) Trichloroethene	5.95	95	155636	5.136	ug/L	98
35) Methylcyclohexane	6.17	83	210846	5.215	ug/L	97
37) 1,2-Dichloropropane	6.22	63	144894	5.132	ug/L	99
38) Bromodichloromethane	6.55	83	188198	5.052	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	212337	5.301	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	875920	53.175	ug/L	99
42) Toluene	7.42	91	629794	5.345	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	163682	5.220	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	104603	5.199	ug/L	98
47) Tetrachloroethene	8.01	164	136542	5.189	ug/L	98
48) 2-Hexanone	8.18	43	648652	55.168	ug/L	100
49) Dibromochloromethane	8.28	129	133715	5.182	ug/L	98
50) 1,2-Dibromoethane	8.39	107	96484	5.296	ug/L	98
51) Chlorobenzene	8.92	112	424003	5.172	ug/L	99
52) Ethylbenzene	9.05	91	688075	5.376	ug/L	100
53) m,p-xylene	9.18	106	265540	5.442	ug/L	99
54) o-xylene	9.58	106	257789	5.412	ug/L	99
55) Styrene	9.60	104	457843	5.567	ug/L	98
56) Isopropylbenzene	9.97	105	710473	5.473	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	116257	5.259	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	89431	5.161	ug/L	99
61) Bromoform	9.77	173	79837	5.201	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	376627	5.315	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	377770	5.238	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	342944	5.215	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	19274	5.044	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	315093	5.265	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	257469	5.246	ug/L	99
69) Naphthalene	13.55	128	353722	5.292	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	237890	5.320	ug/L	97

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

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```
ALS Vial      : 9      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

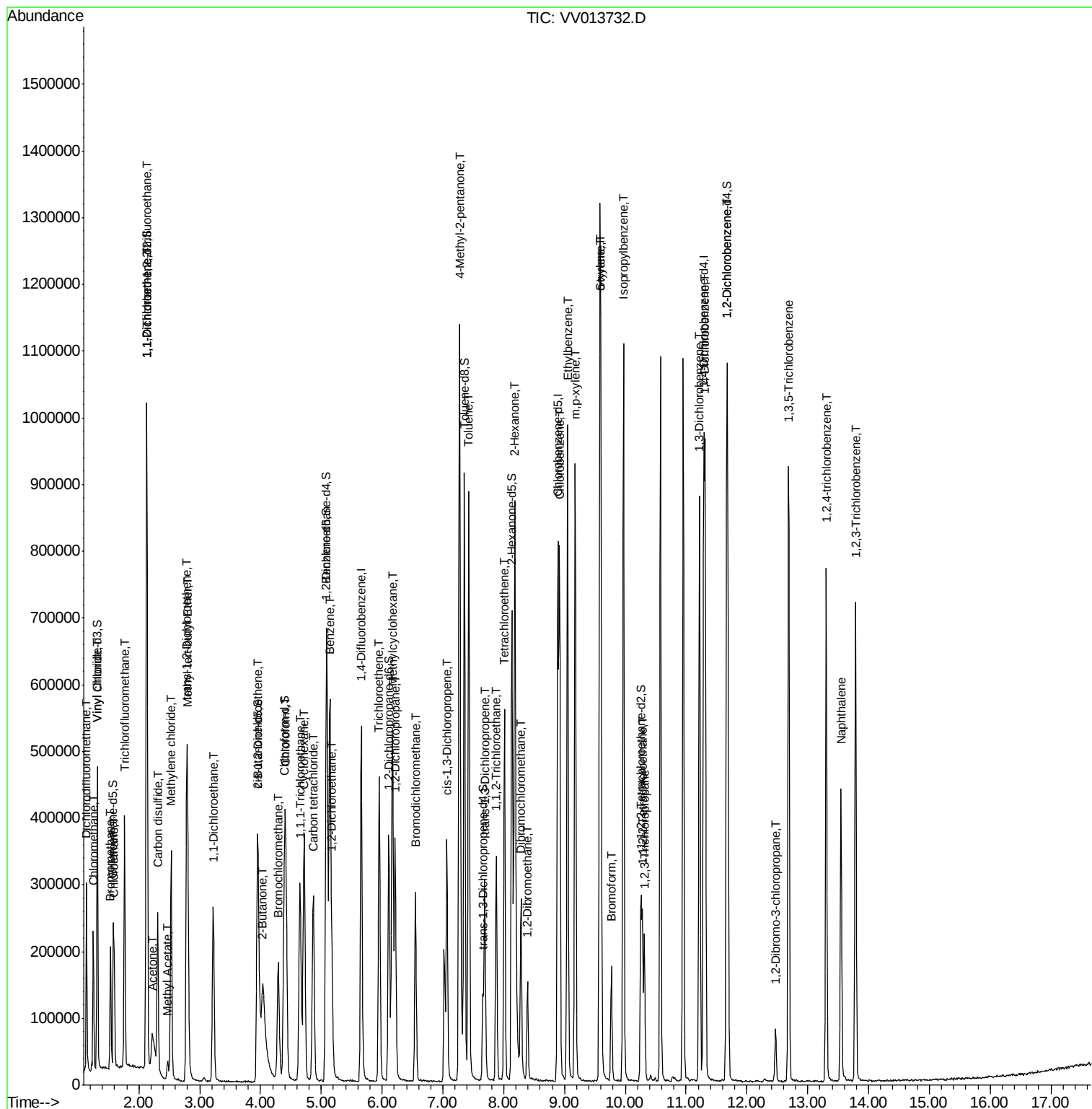
Quant Time: Nov 23 01:18:01 2019

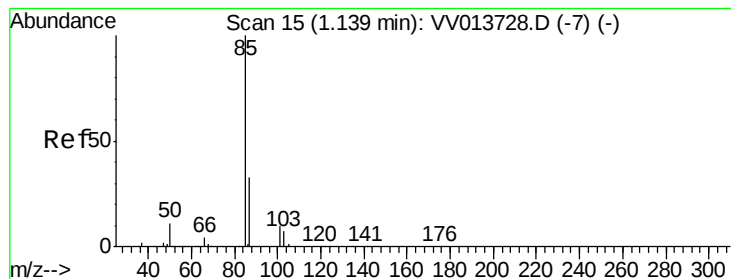
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR112219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Nov 22 12:24:01 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.011 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

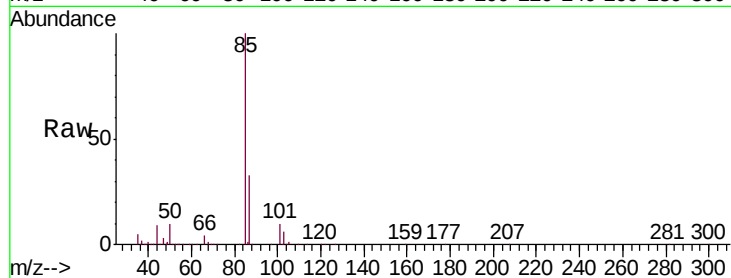
VSTD00546

Tgt Ion: 85 Resp: 156188

Ion Ratio Lower Upper

85 100

87 33.2 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

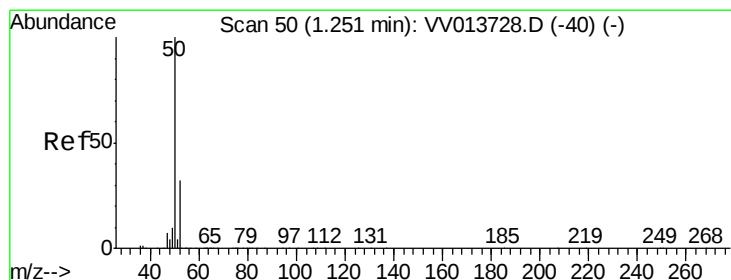
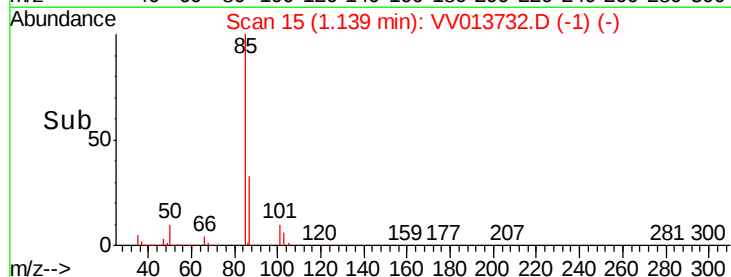
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.919 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013732.D

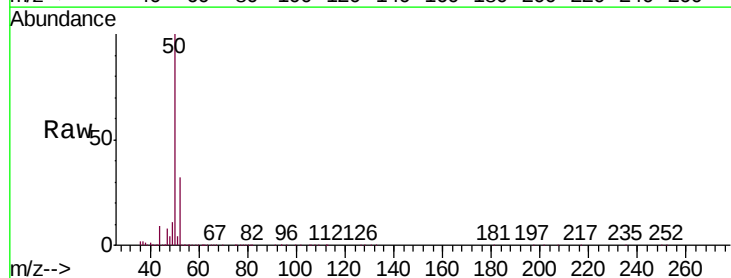
Acq: 22 Nov 2019 13:56

Tgt Ion: 50 Resp: 134627

Ion Ratio Lower Upper

50 100

52 32.0 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

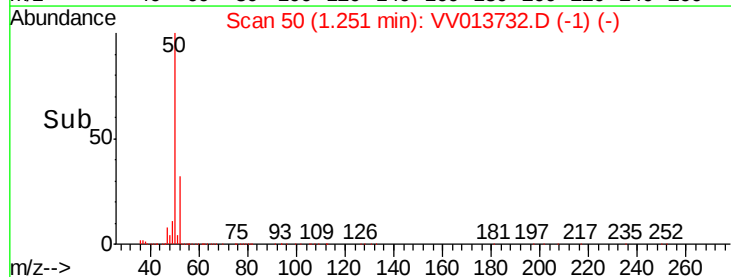
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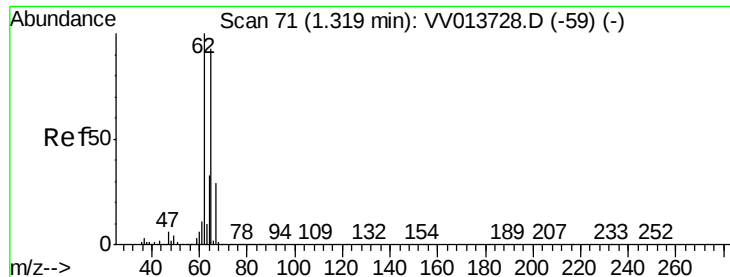
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.066 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

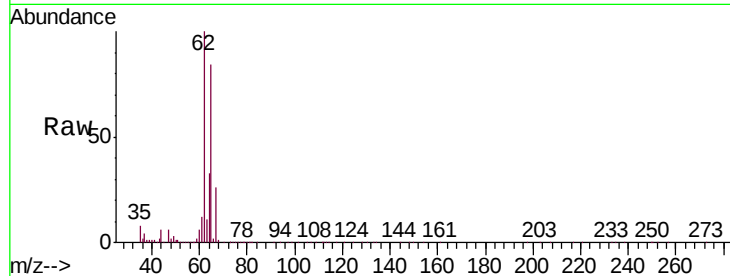
VSTD00546

Tgt Ion: 62 Resp: 141616

Ion Ratio Lower Upper

62 100

64 32.5 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

150000

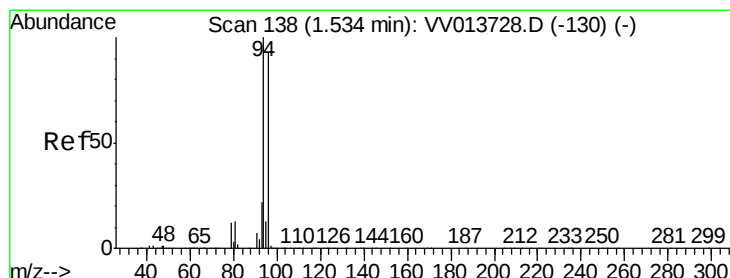
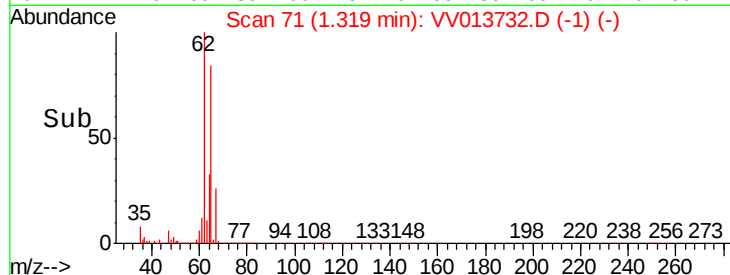
100000

50000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 5.092 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013732.D

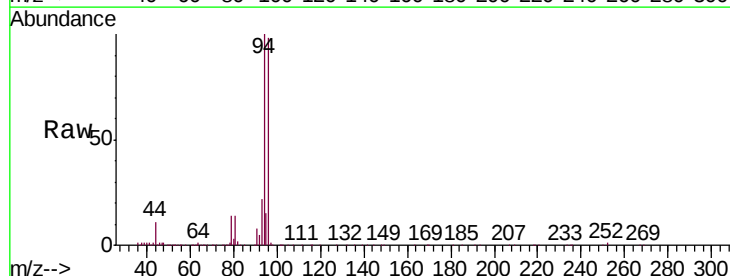
Acq: 22 Nov 2019 13:56

Tgt Ion: 94 Resp: 74956

Ion Ratio Lower Upper

94 100

96 98.1 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

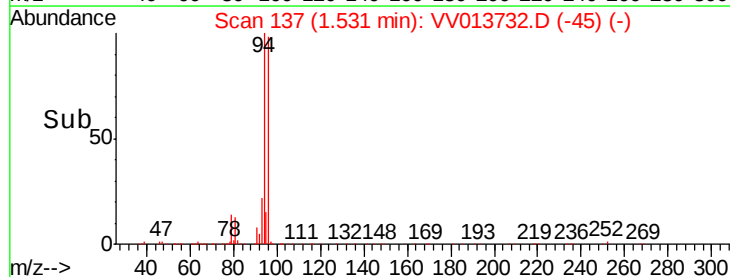
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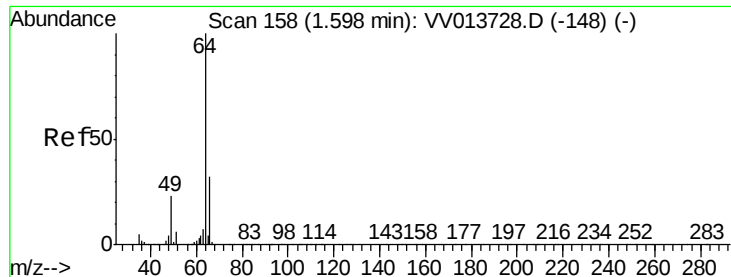
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1.50 1.55 1.60

Time-->

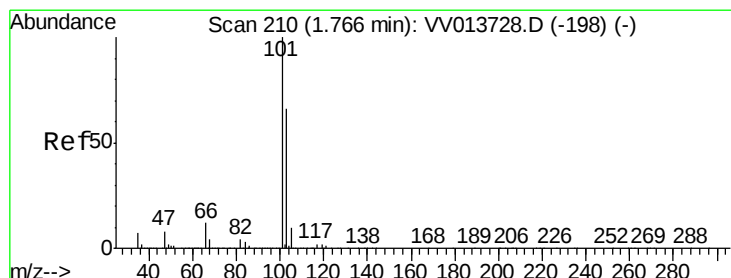
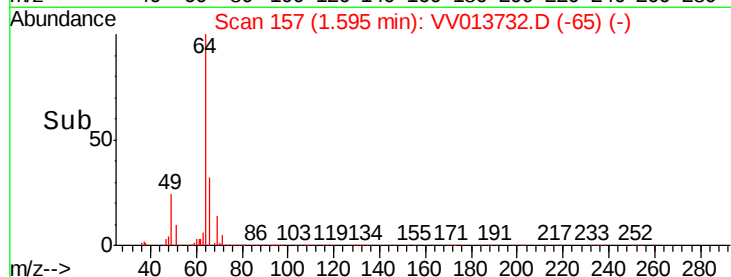
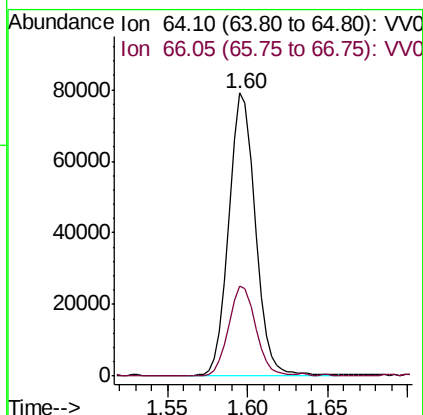
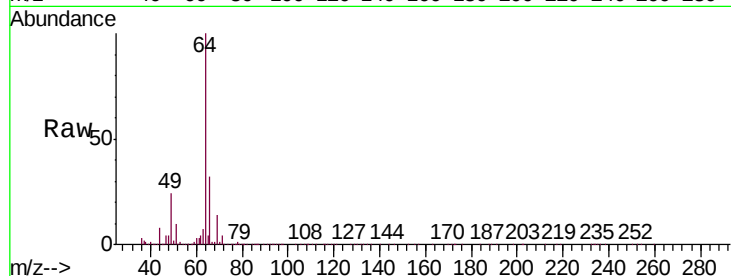




#8
Chloroethane
Concen: 5.247 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV013732.D
Acq: 22 Nov 2019 13:56

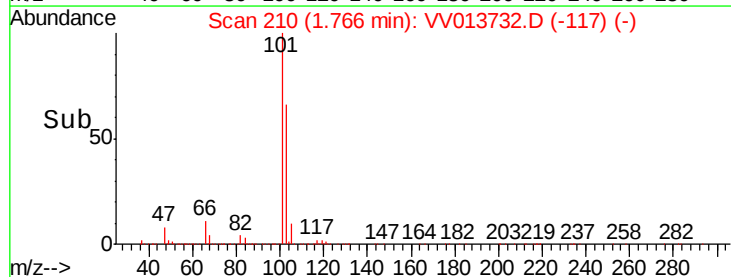
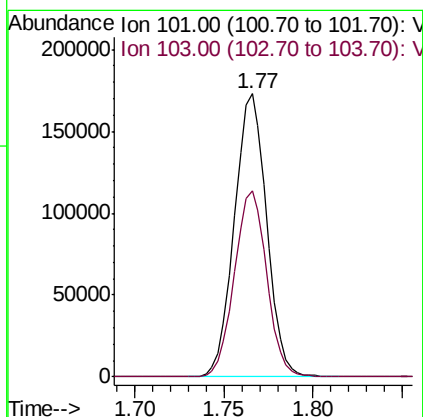
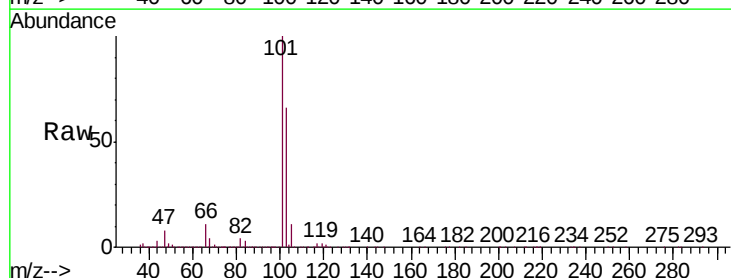
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

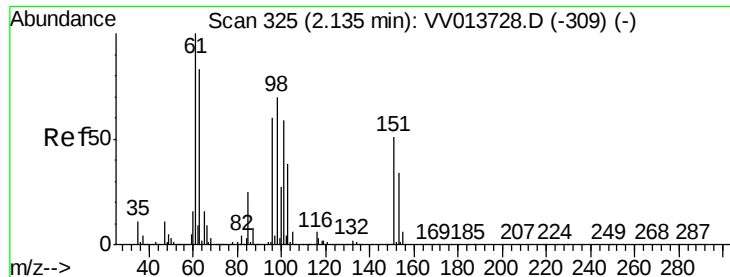
Tgt Ion: 64 Resp: 88399
Ion Ratio Lower Upper
64 100
66 31.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.040 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV013732.D
Acq: 22 Nov 2019 13:56

Tgt Ion: 101 Resp: 218775
Ion Ratio Lower Upper
101 100
103 65.9 52.9 79.3





#10

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

Concen: 5.097 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

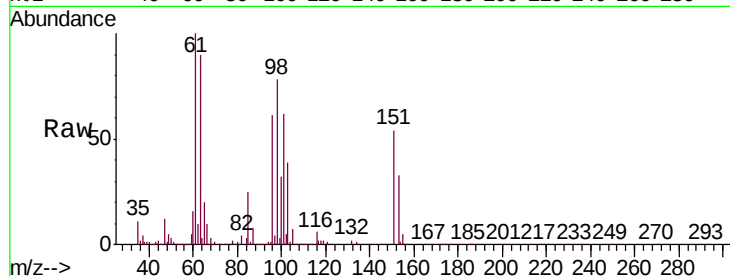
Tgt Ion: 101 Resp: 131487

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.0

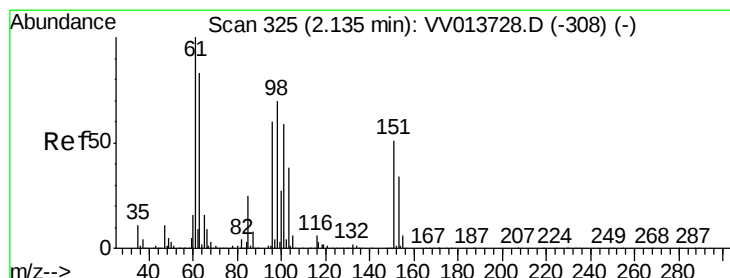
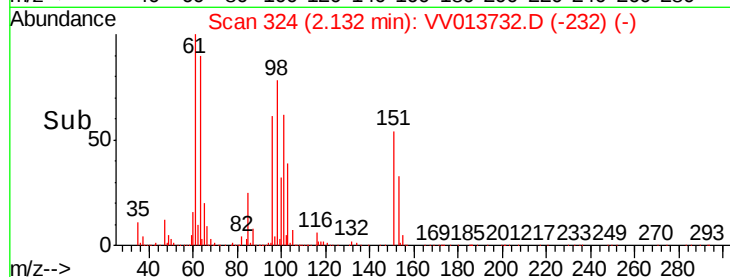
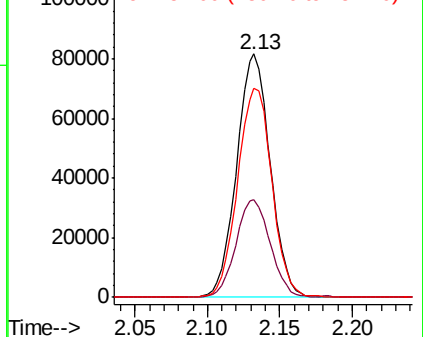
151 88.0 69.4 104.0



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: 4.998 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

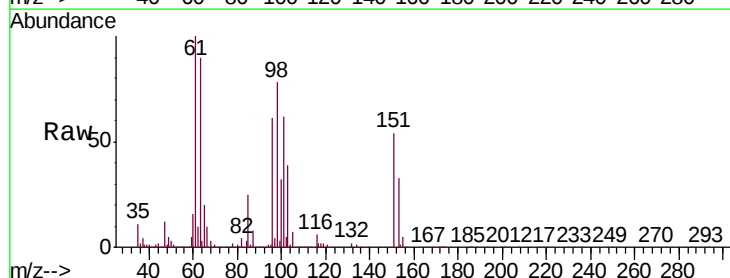
Tgt Ion: 96 Resp: 112438

Ion Ratio Lower Upper

96 100

61 163.9 116.3 215.9

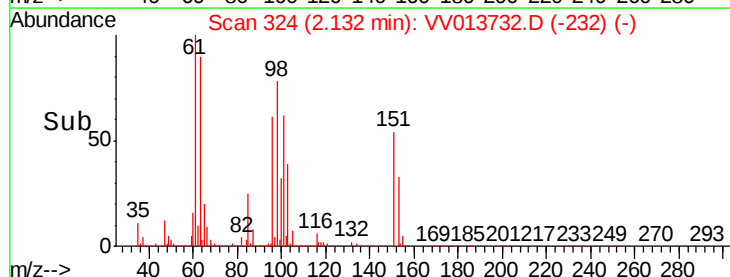
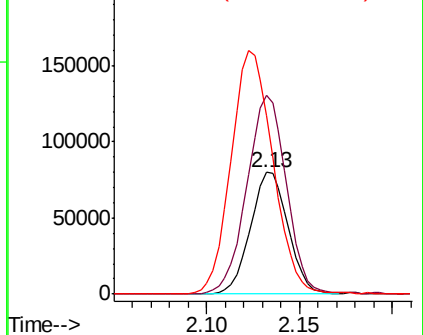
63 147.2 96.7 179.7

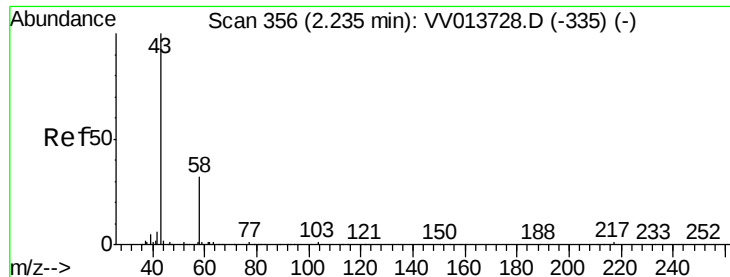


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 48.424 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.00 min

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Acq: 22 Nov 2019 13:56

Instrument :

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ClientSampleId :

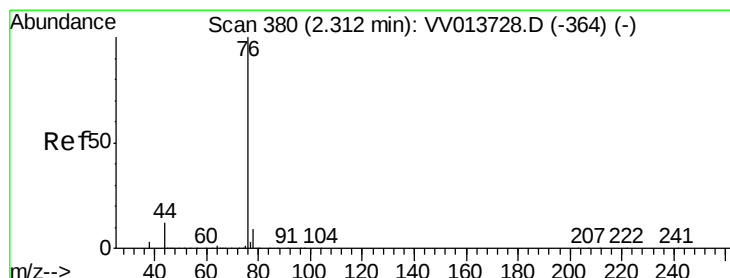
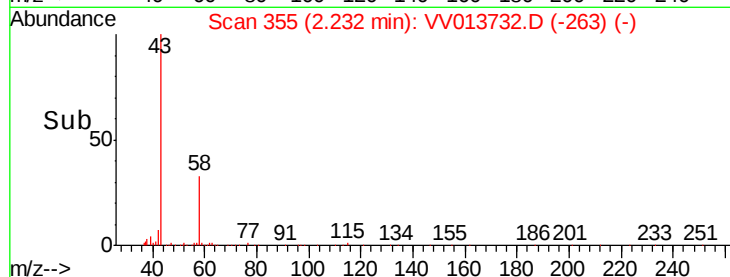
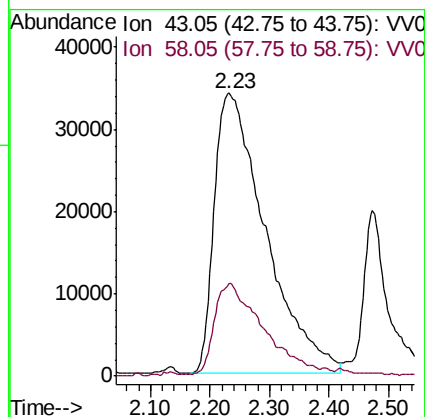
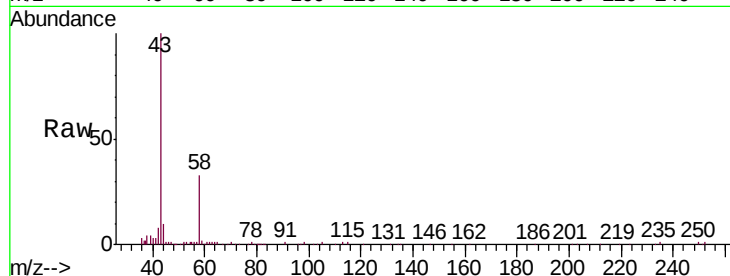
VSTD00546

Tgt Ion: 43 Resp: 203886

Ion Ratio Lower Upper

43 100

58 30.3 0.0 27.2#



#14

Carbon disulfide

Concen: 4.970 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013732.D

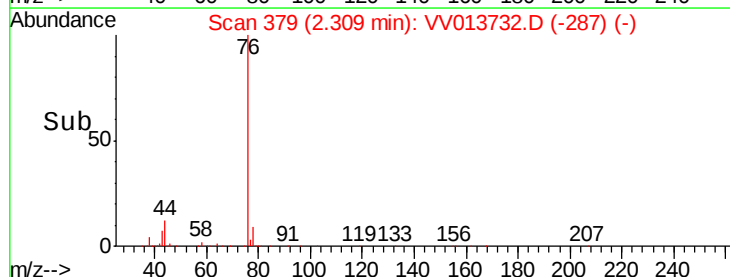
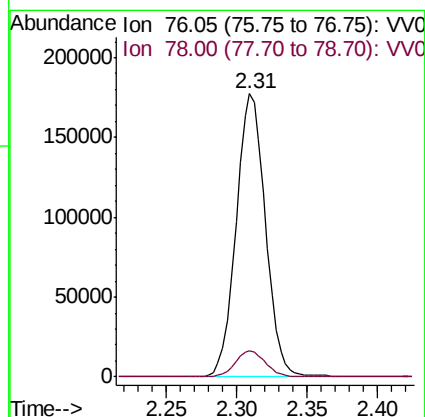
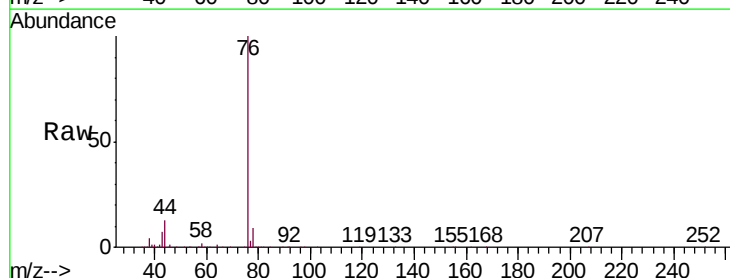
Acq: 22 Nov 2019 13:56

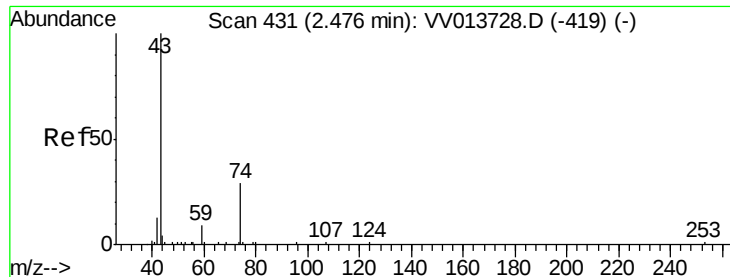
Tgt Ion: 76 Resp: 258168

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

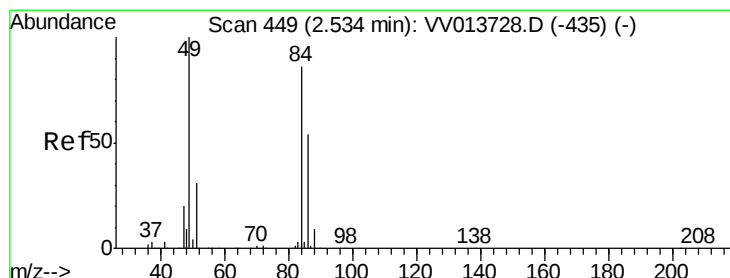
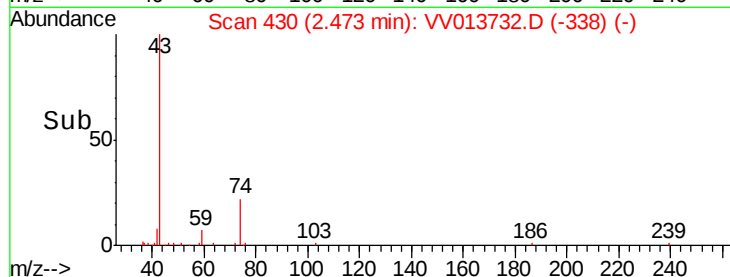
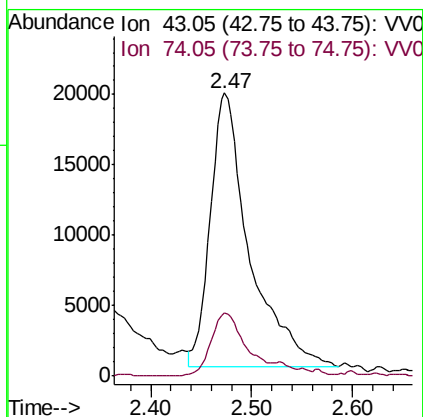
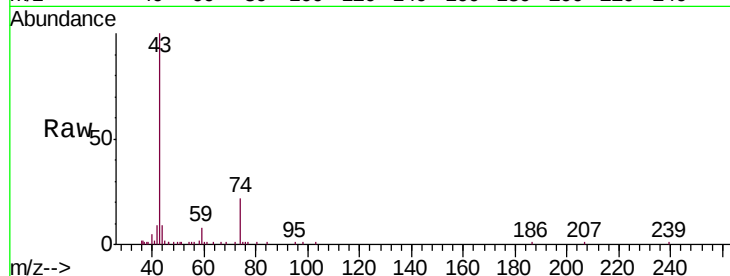




#15
Methyl Acetate
Concen: 5.535 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV013732.D
Acq: 22 Nov 2019 13:56

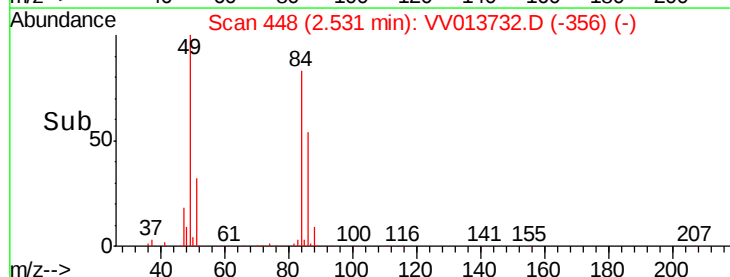
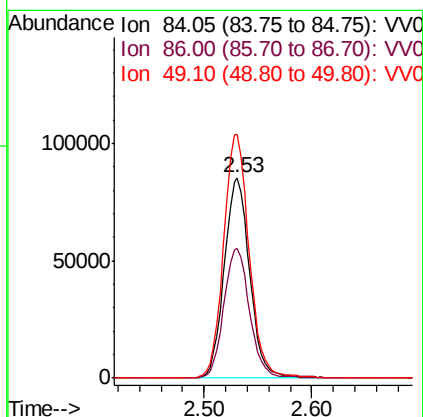
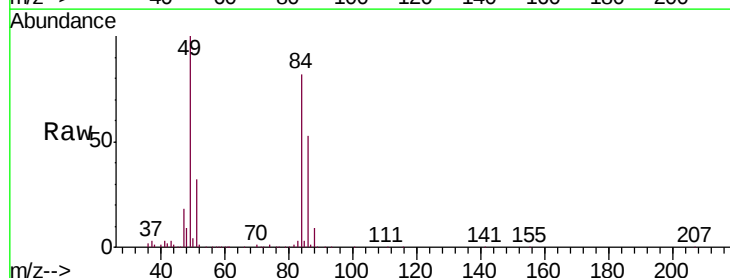
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

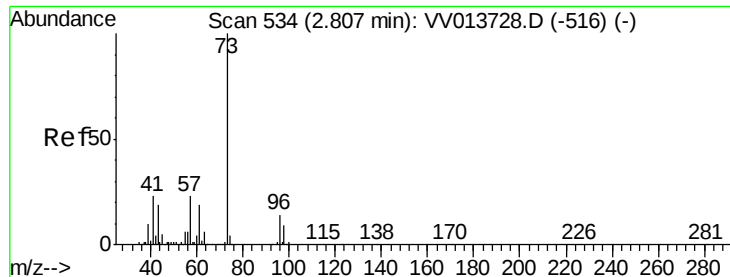
Tgt Ion: 43 Resp: 52170
Ion Ratio Lower Upper
43 100
74 20.4 20.5 30.7#



#16
Methylene chloride
Concen: 4.574 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013732.D
Acq: 22 Nov 2019 13:56

Tgt Ion: 84 Resp: 140977
Ion Ratio Lower Upper
84 100
86 64.8 44.0 81.6
49 121.3 81.5 151.5





#17

Methyl tert-butyl Ether

Concen: 5.232 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

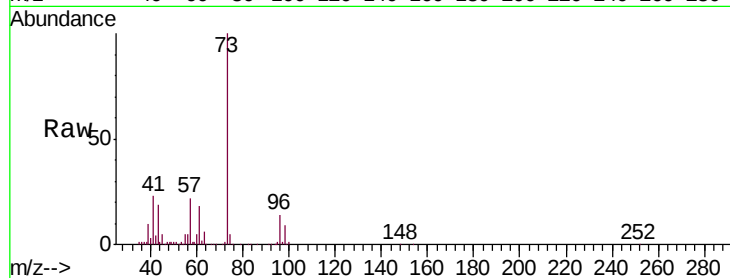
Tgt Ion: 73 Resp: 322174

Ion Ratio Lower Upper

73 100

43 18.9 15.5 23.3

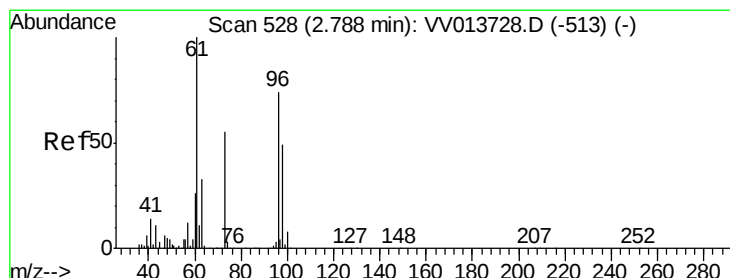
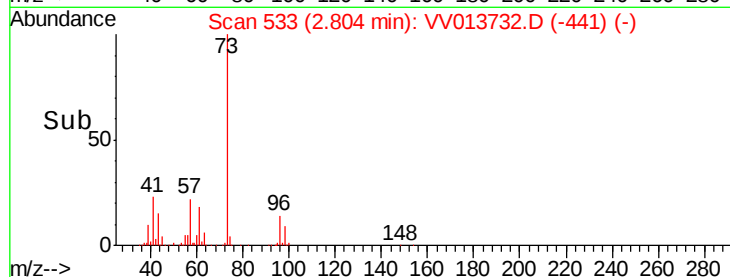
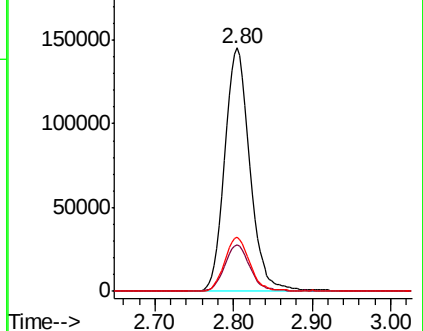
57 22.1 17.5 26.3



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: 5.261 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

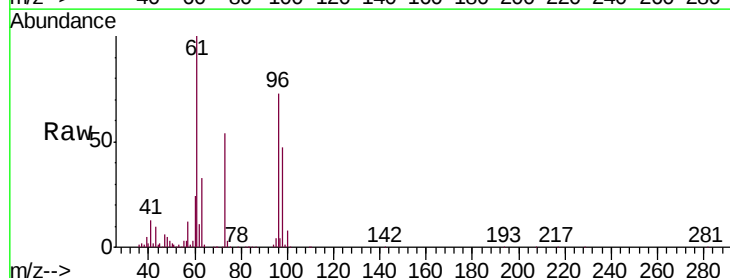
Tgt Ion: 96 Resp: 133660

Ion Ratio Lower Upper

96 100

61 137.7 95.1 176.7

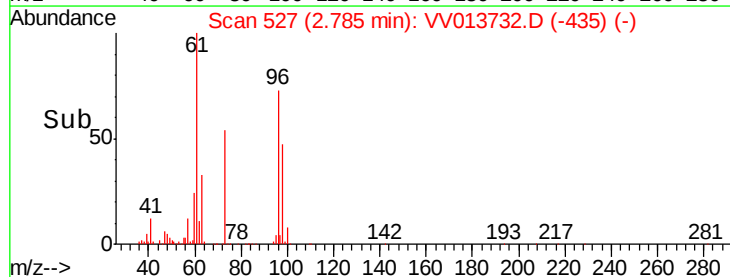
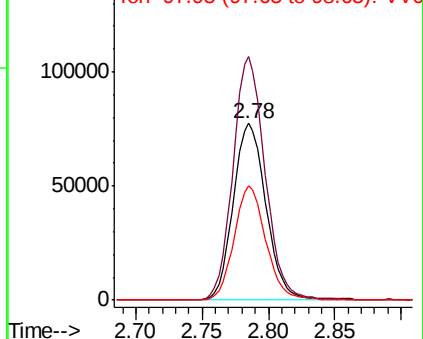
98 65.0 46.5 86.3

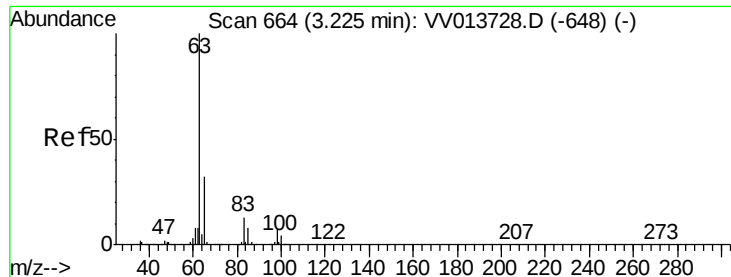


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

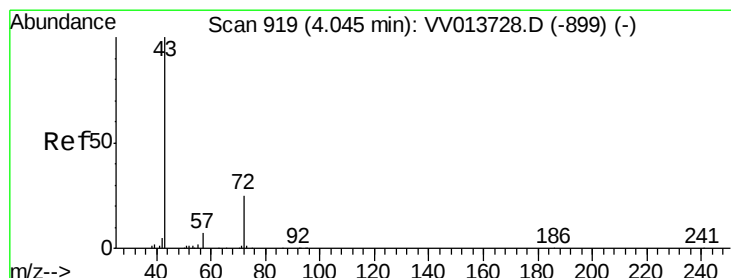
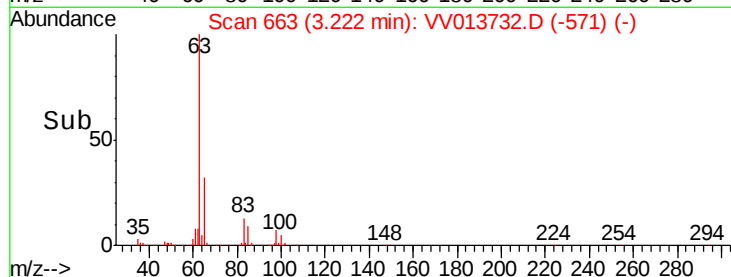
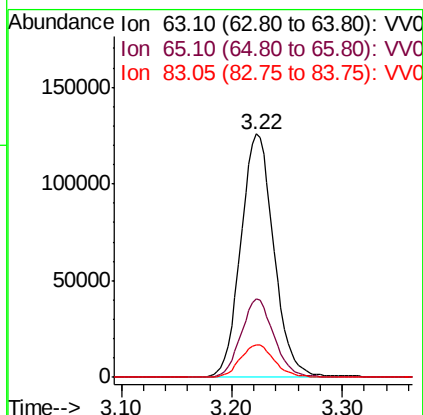
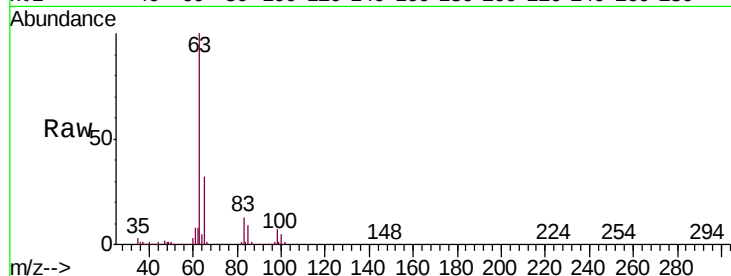




#19
 1,1-Dichloroethane
 Concen: 5.155 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

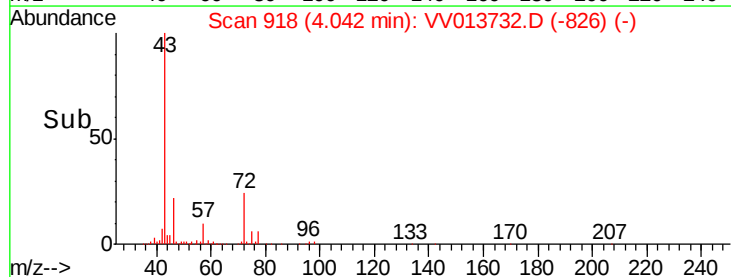
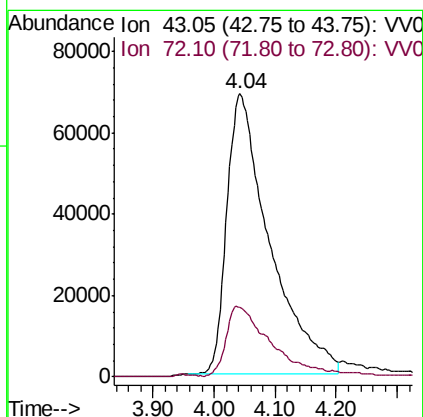
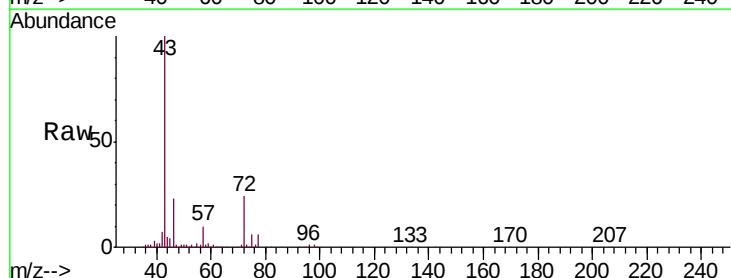
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

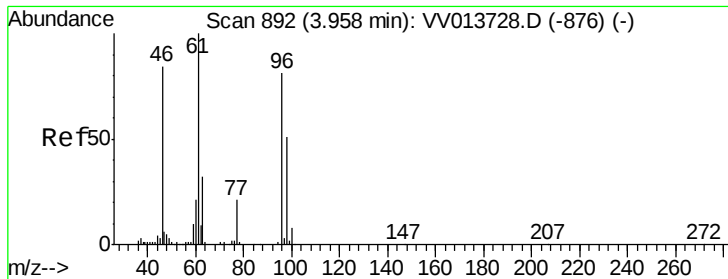
Tgt Ion: 63 Resp: 261462
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.7 42.1
 83 13.5 9.2 17.2



#21
 2-Butanone
 Concen: 53.157 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Tgt Ion: 43 Resp: 338304
 Ion Ratio Lower Upper
 43 100
 72 25.8 12.3 36.9



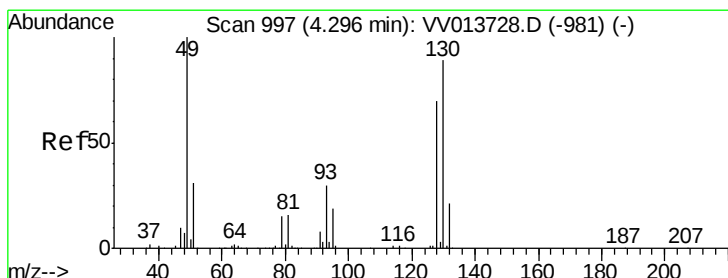
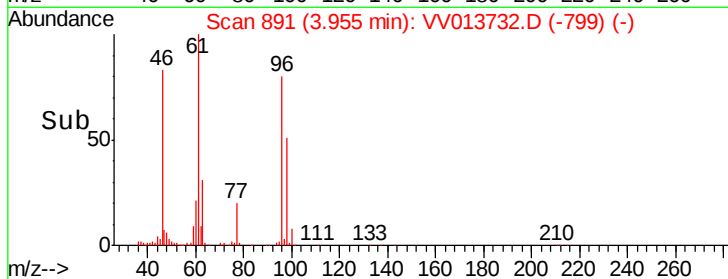
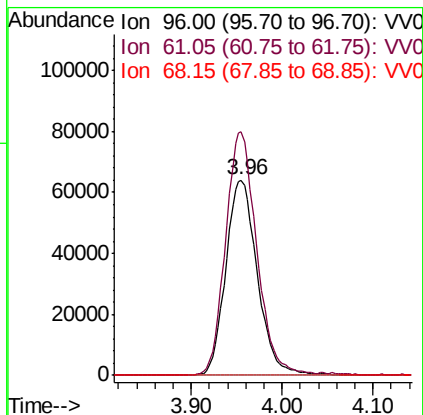
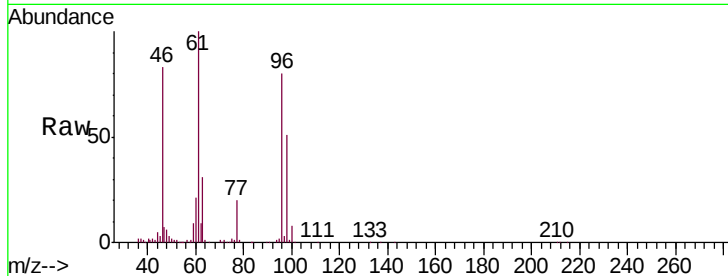


#22

cis-1,2-Dichloroethene
 Concen: 5.177 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

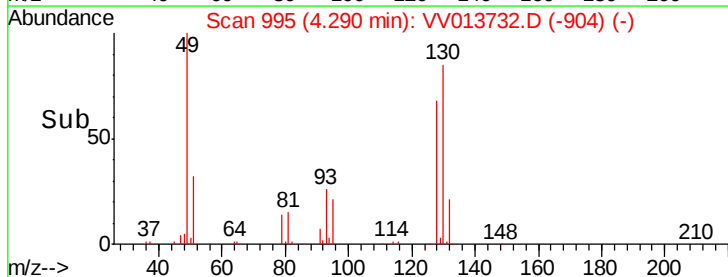
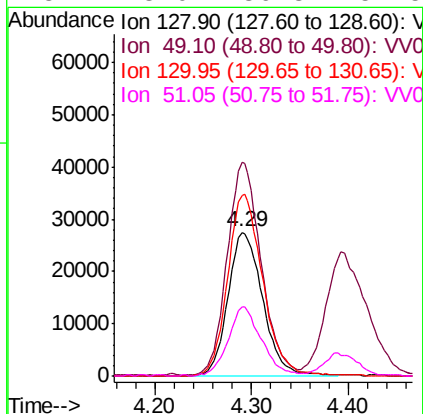
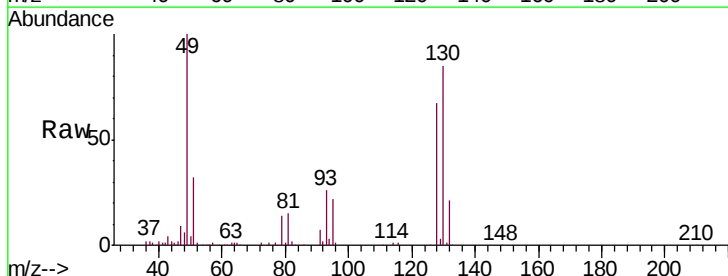
Tgt Ion: 96 Resp: 154243
 Ion Ratio Lower Upper
 96 100
 61 124.6 86.1 159.9
 68 0.0 0.0 0.0

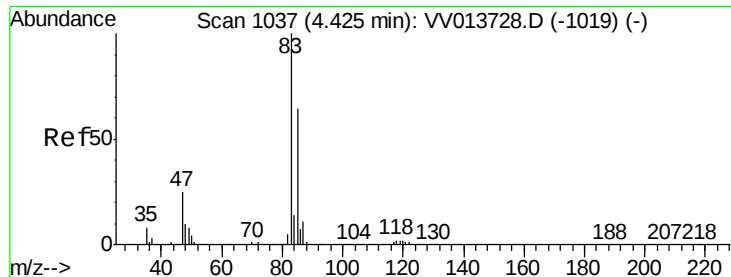


#23

Bromochloromethane
 Concen: 5.261 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Tgt Ion: 128 Resp: 68870
 Ion Ratio Lower Upper
 128 100
 49 148.4 100.1 185.9
 130 125.6 89.0 165.4
 51 48.0 36.3 54.5





#25

Chloroform

Concen: 5.133 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

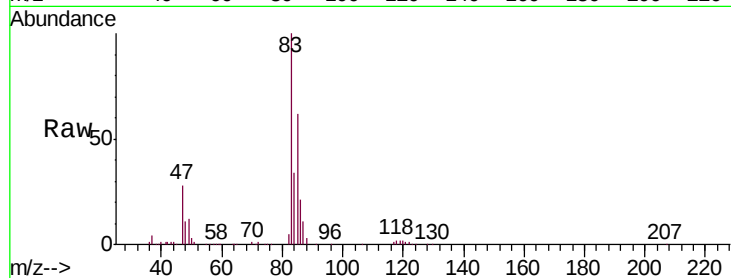
VSTD00546

Tgt Ion: 83 Resp: 275972

Ion Ratio Lower Upper

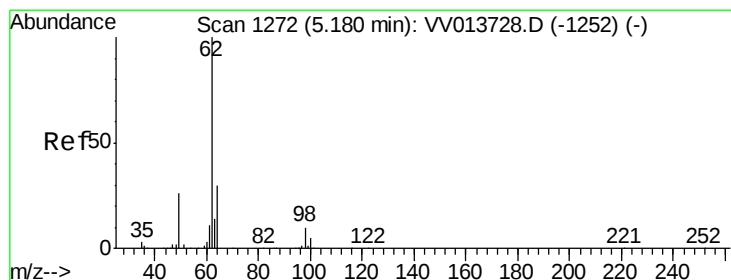
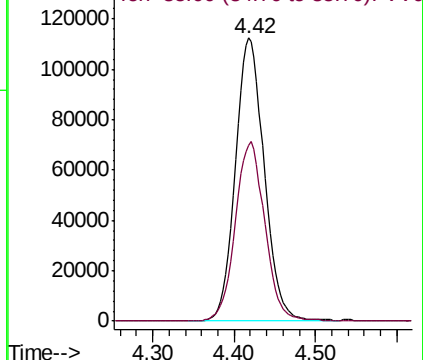
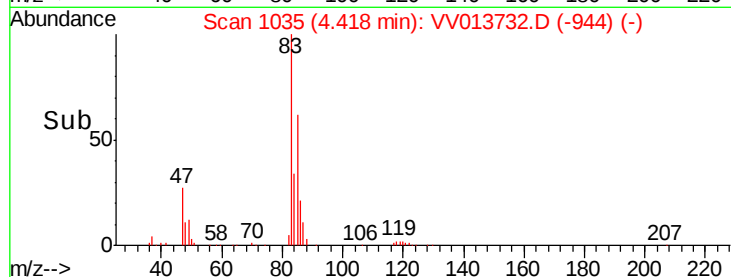
83 100

85 62.3 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013732.D (-944) (-)

Ion 85.00 (84.70 to 85.70): VV013732.D (-944) (-)



#27

1,2-Dichloroethane

Concen: 5.169 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VV013732.D

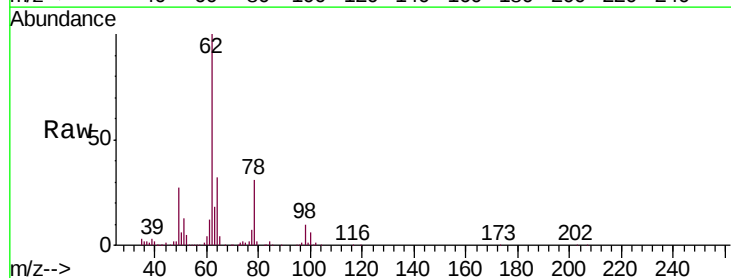
Acq: 22 Nov 2019 13:56

Tgt Ion: 62 Resp: 159059

Ion Ratio Lower Upper

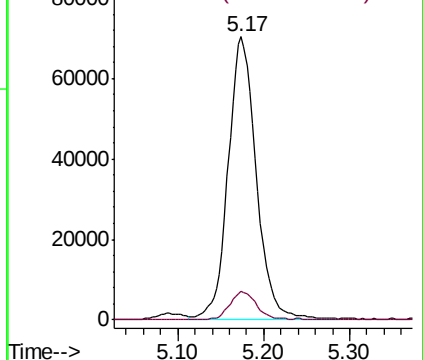
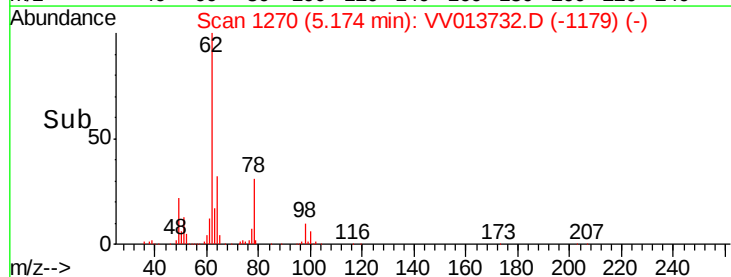
62 100

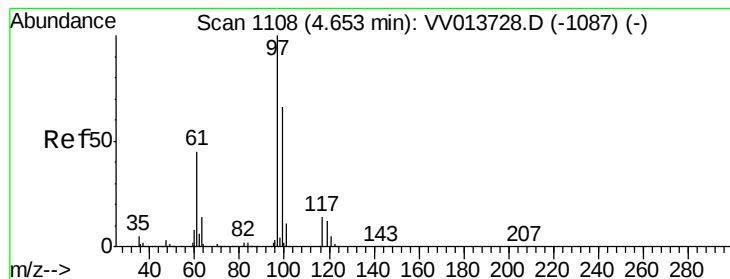
98 9.9 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013732.D (-1179) (-)

Ion 98.05 (97.75 to 98.75): VV013732.D (-1179) (-)





#29

1,1,1-Trichloroethane

Concen: 5.070 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

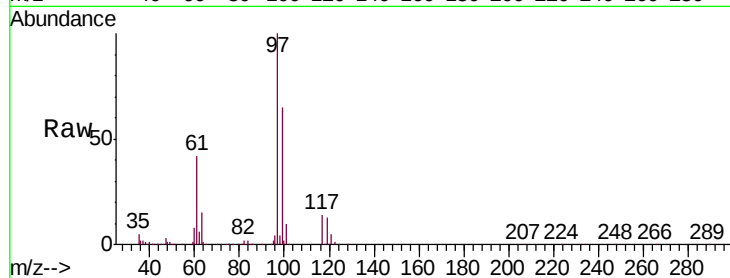
Tgt Ion: 97 Resp: 232263

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

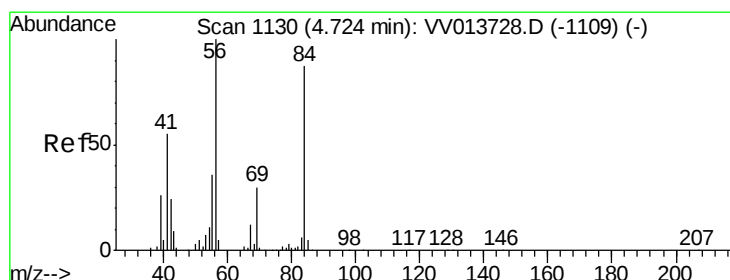
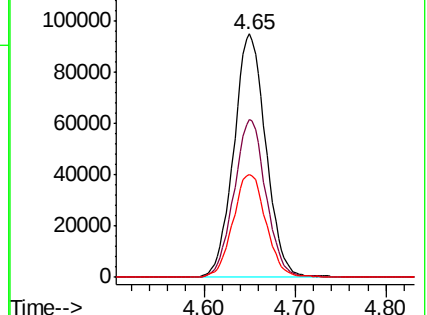
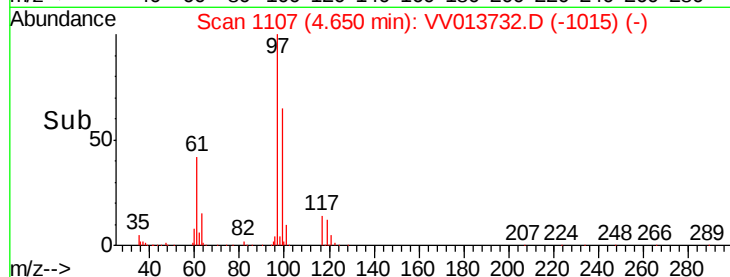
61 43.3 35.0 52.6



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: 5.193 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

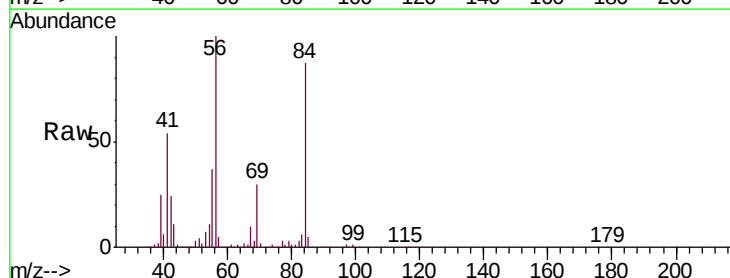
Tgt Ion: 56 Resp: 198724

Ion Ratio Lower Upper

56 100

69 30.0 24.1 36.1

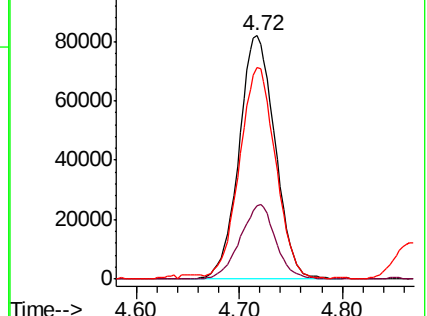
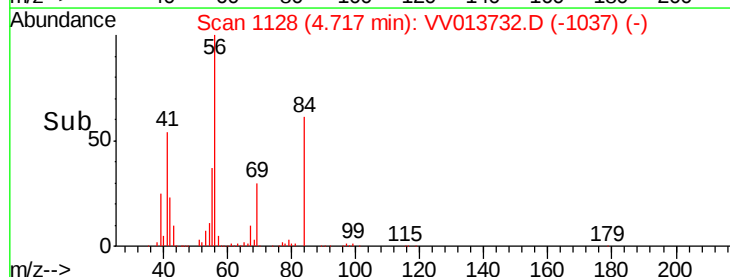
84 86.9 69.9 104.9

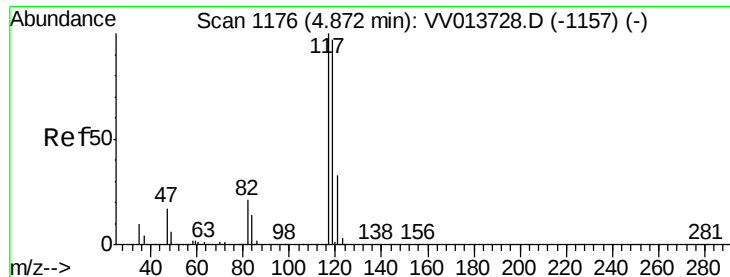


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.147 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

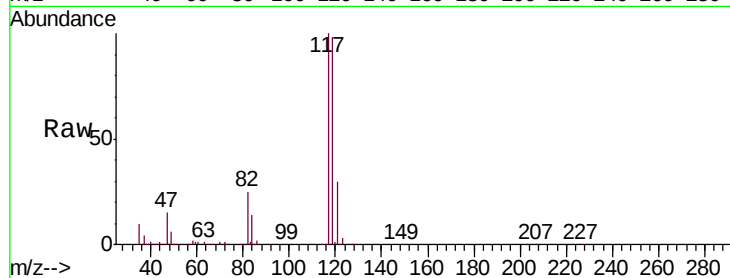
VSTD00546

Tgt Ion:117 Resp: 207449

Ion Ratio Lower Upper

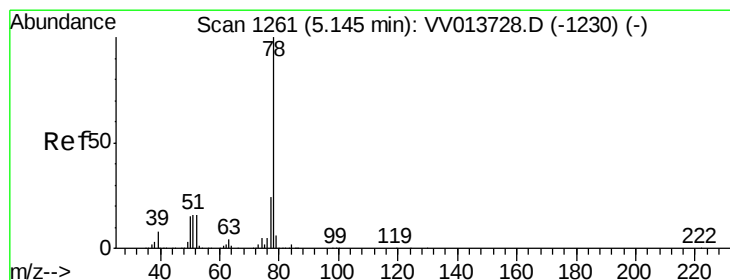
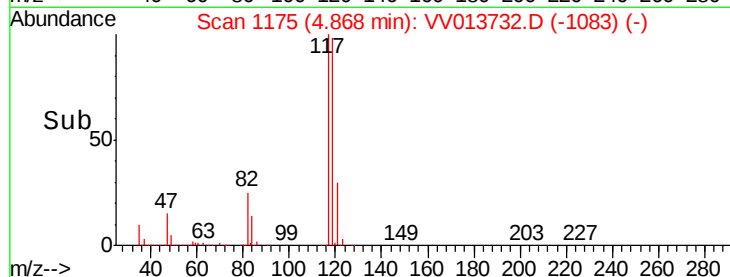
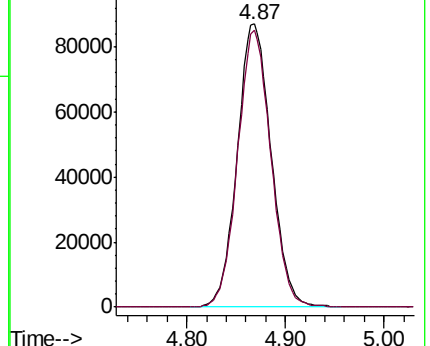
117 100

119 95.8 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.154 ug/L

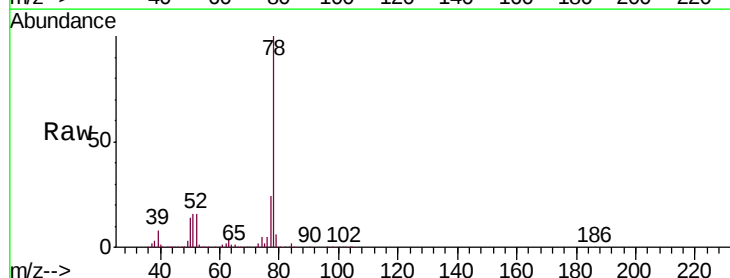
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

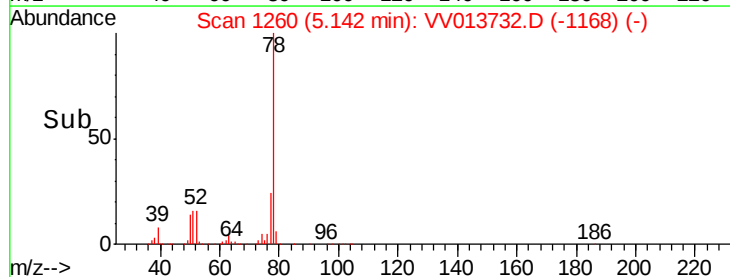
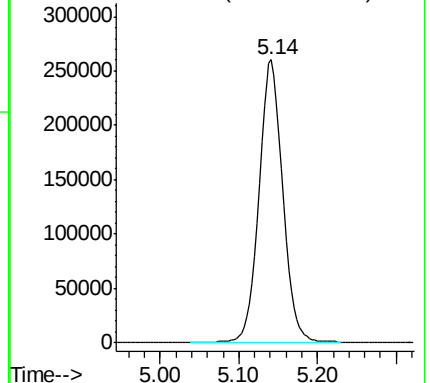
Lab File: VV013732.D

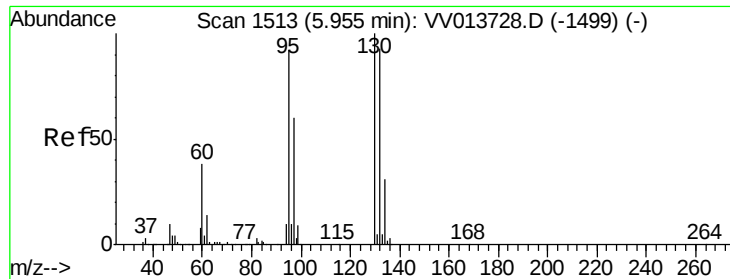
Acq: 22 Nov 2019 13:56

Tgt Ion: 78 Resp: 566128



Abundance Ion 78.10 (77.80 to 78.80): VV0

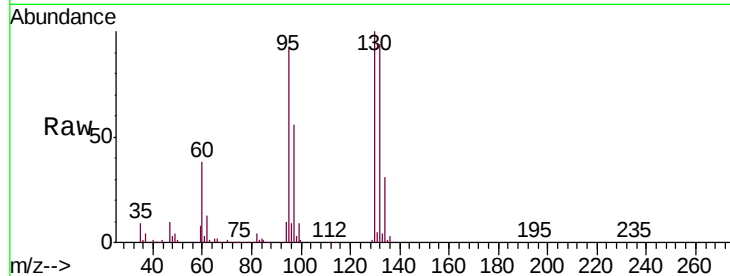




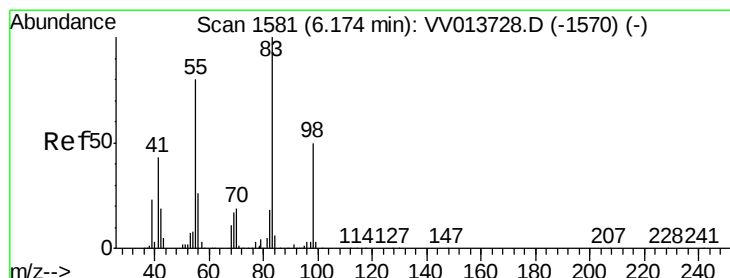
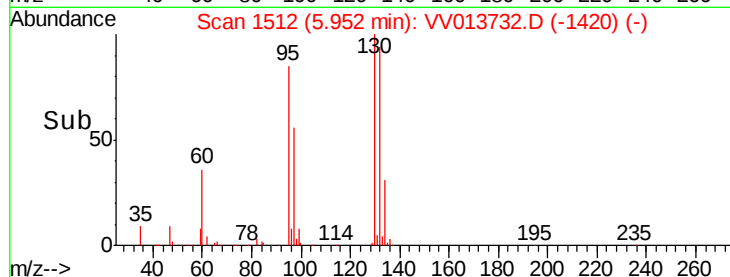
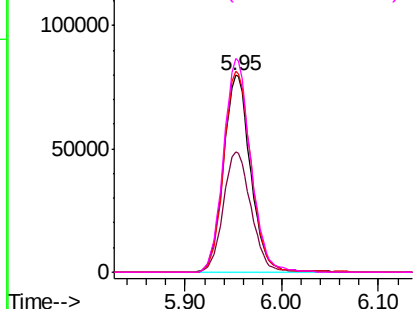
#34
 Trichloroethene
 Concen: 5.136 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion: 95 Resp: 155636
 Ion Ratio Lower Upper
 95 100
 97 61.2 45.6 84.8
 132 101.8 70.5 130.9
 130 108.4 75.9 140.9

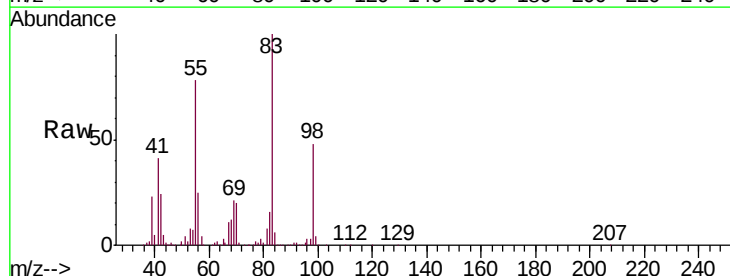


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

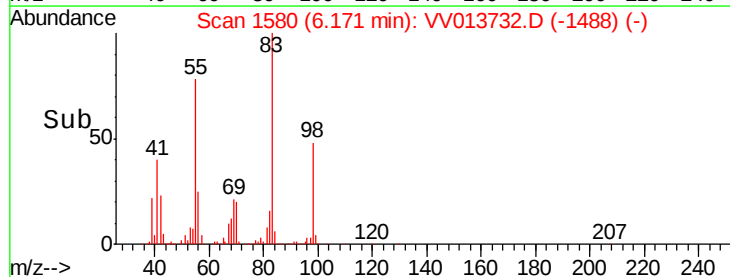
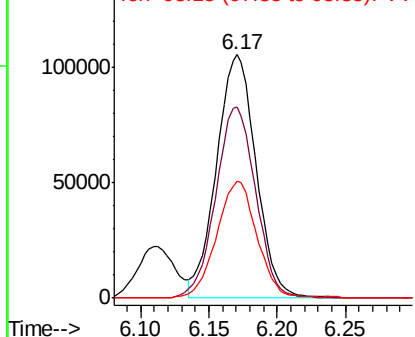


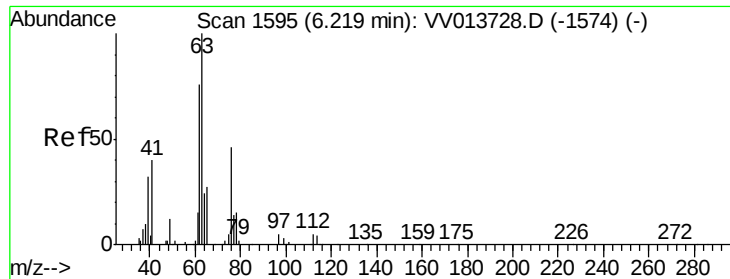
#35
 Methylcyclohexane
 Concen: 5.215 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Tgt Ion: 83 Resp: 210846
 Ion Ratio Lower Upper
 83 100
 55 78.8 60.3 90.5
 98 48.2 38.1 57.1



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

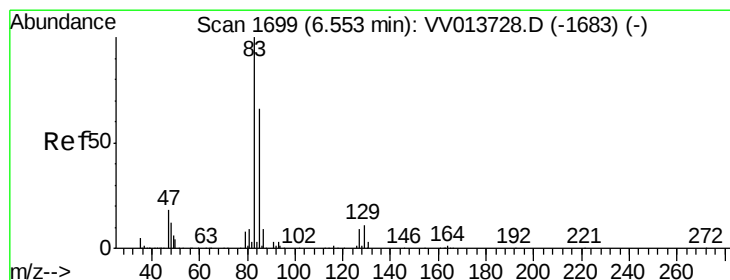
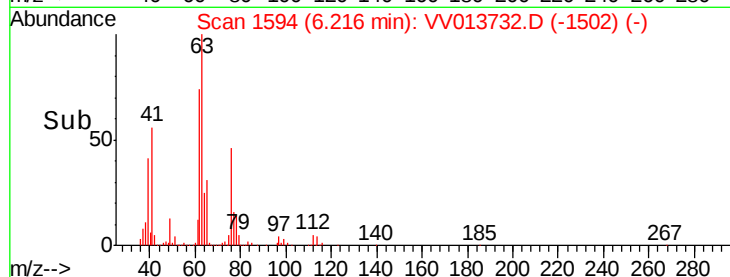
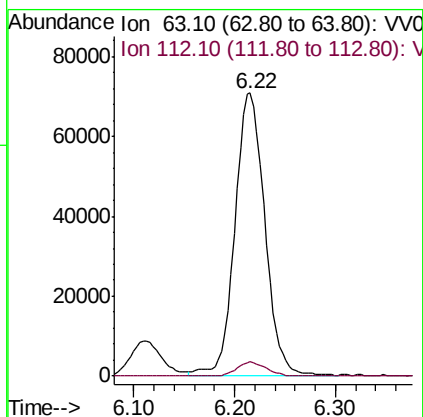
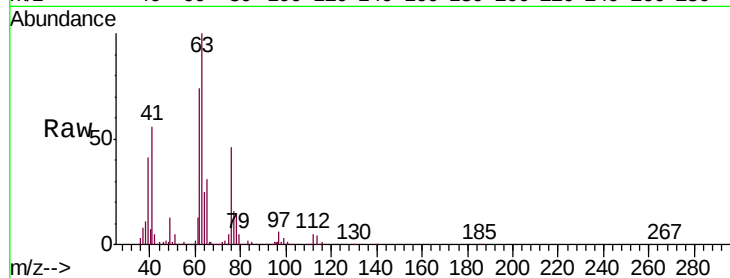




#37
 1,2-Dichloropropane
 Concen: 5.132 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

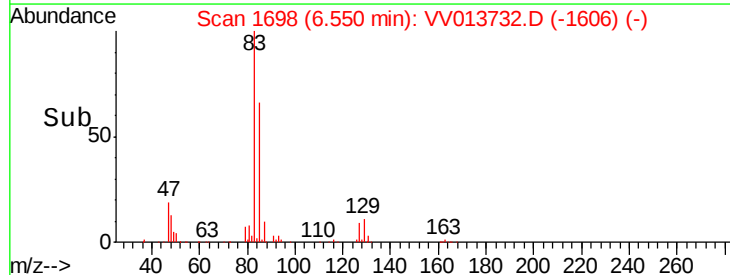
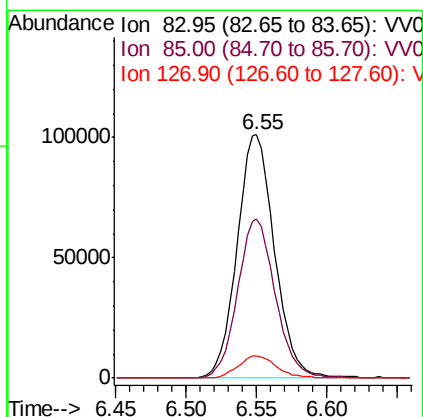
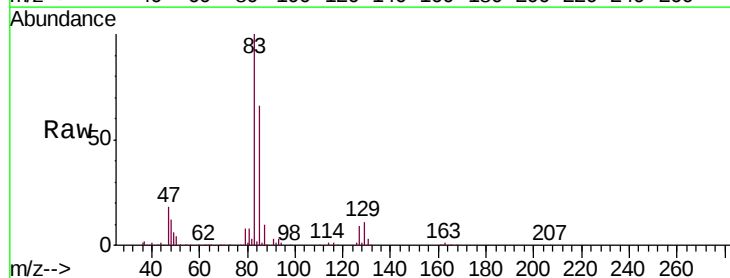
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

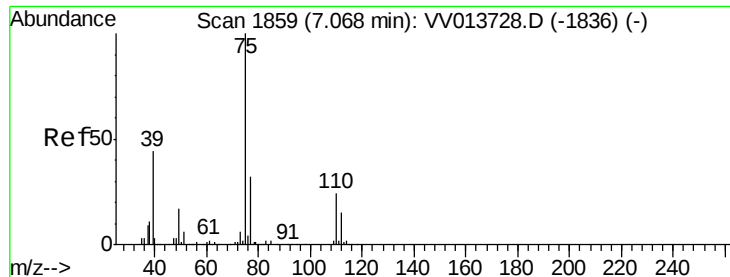
Tgt Ion: 63 Resp: 144894
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.052 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Tgt Ion: 83 Resp: 188198
 Ion Ratio Lower Upper
 83 100
 85 65.5 46.1 85.5
 127 9.3 7.5 11.3

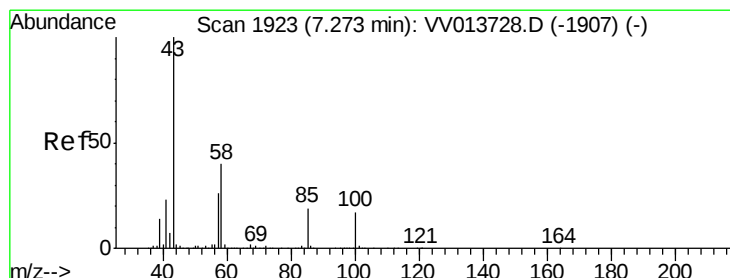
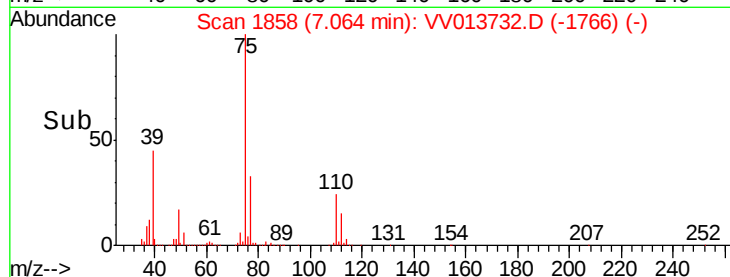
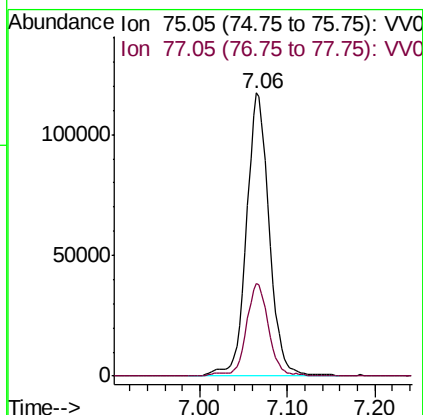
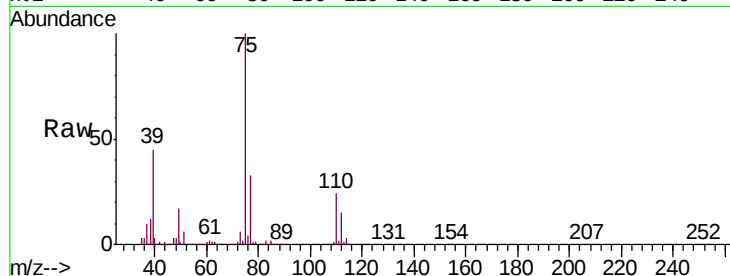




#39
 cis-1,3-Dichloropropene
 Concen: 5.301 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

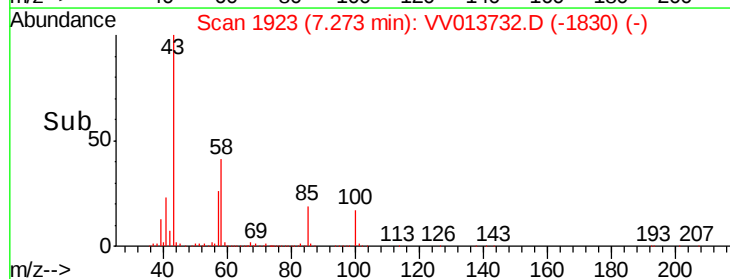
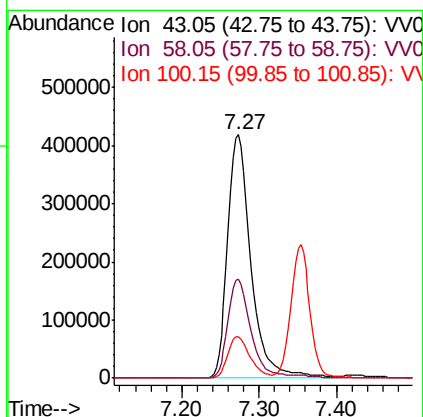
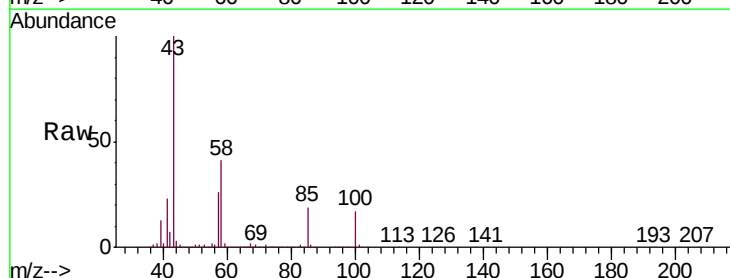
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

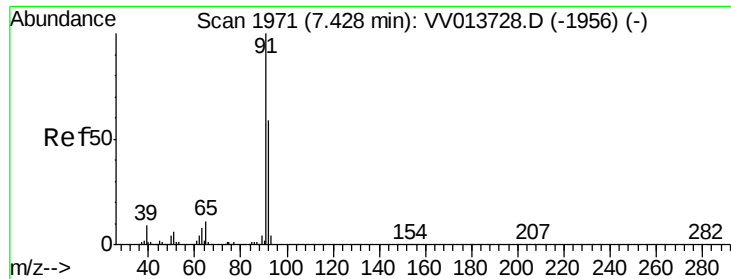
Tgt Ion: 75 Resp: 212337
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 53.175 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Tgt Ion: 43 Resp: 875920
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.3 48.5
 100 16.2 12.7 19.1





#42

Toluene

Concen: 5.345 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

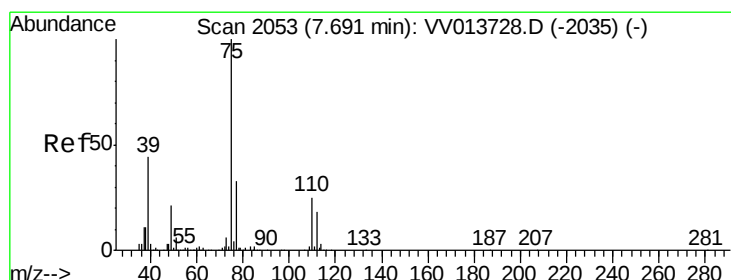
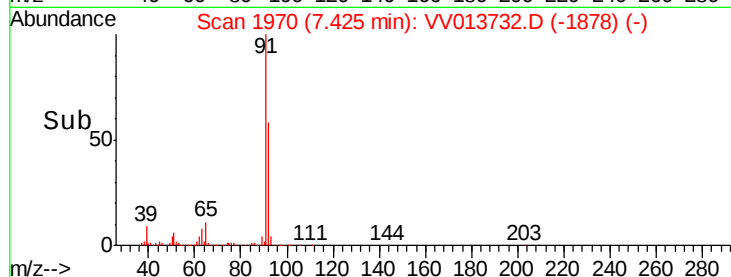
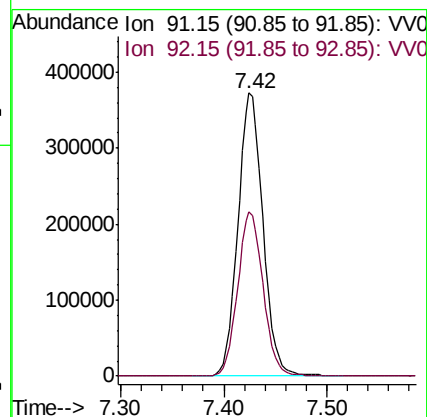
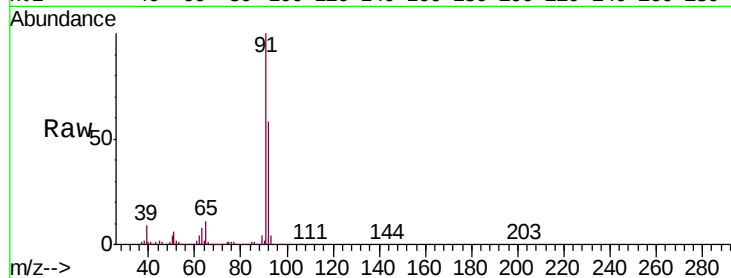
VSTD00546

Tgt Ion: 91 Resp: 629794

Ion Ratio Lower Upper

91 100

92 58.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 5.220 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013732.D

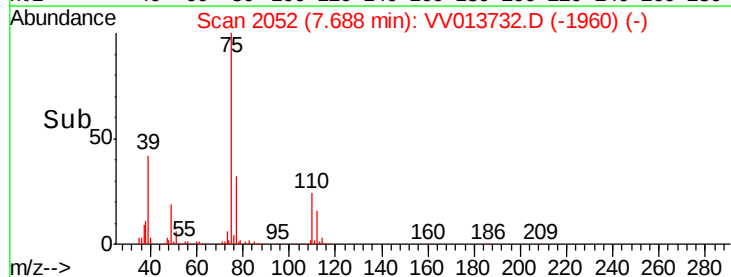
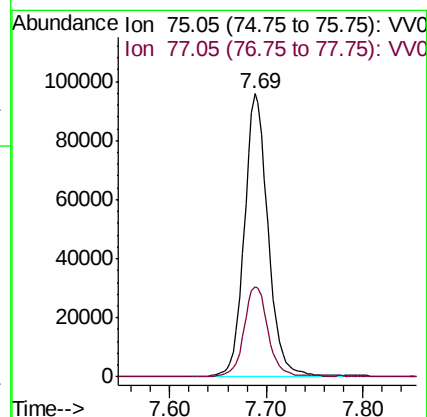
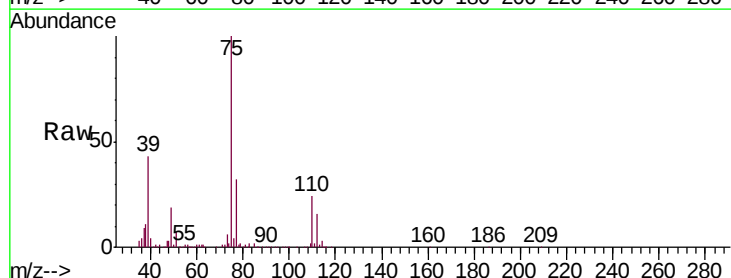
Acq: 22 Nov 2019 13:56

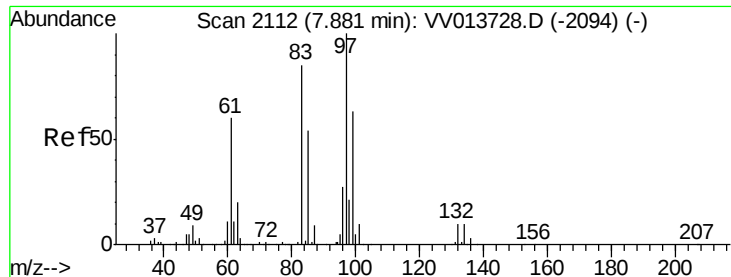
Tgt Ion: 75 Resp: 163682

Ion Ratio Lower Upper

75 100

77 31.9 23.0 42.8

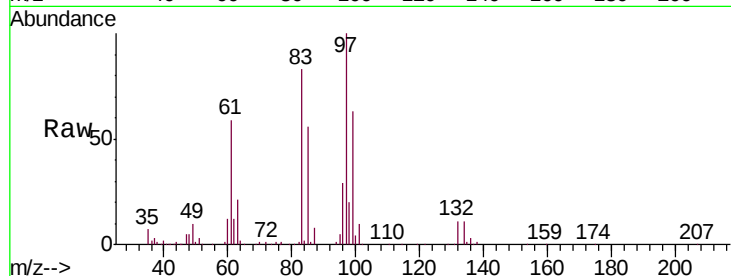




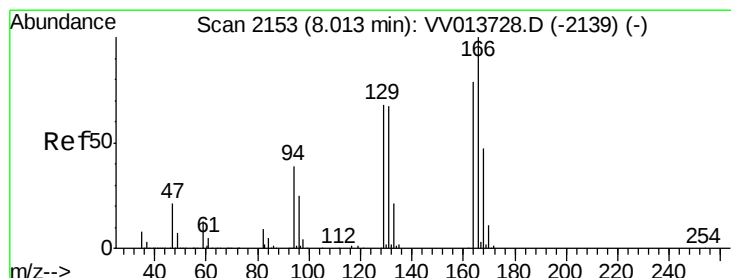
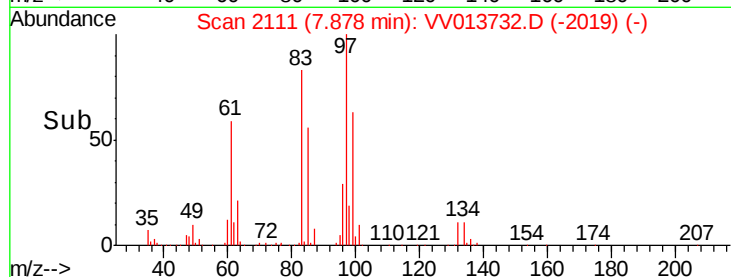
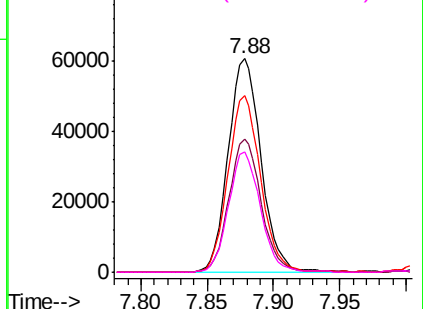
#45
 1,1,2-Trichloroethane
 Concen: 5.199 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion:	97	Resp:	104603
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.2	82.0
83	82.5	59.7	110.9
85	56.3	38.3	71.1

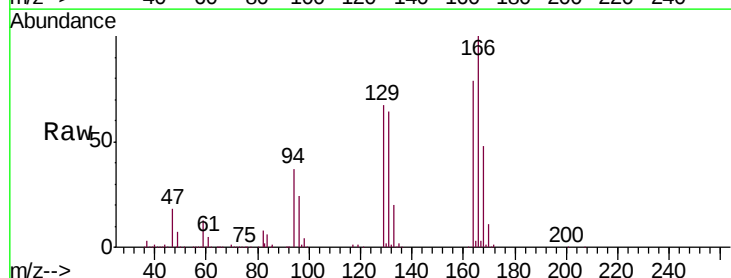


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

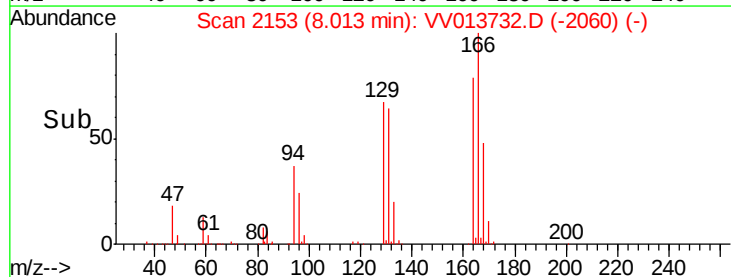
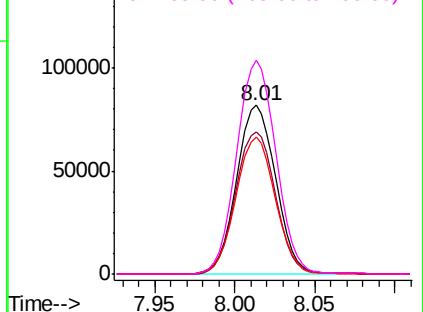


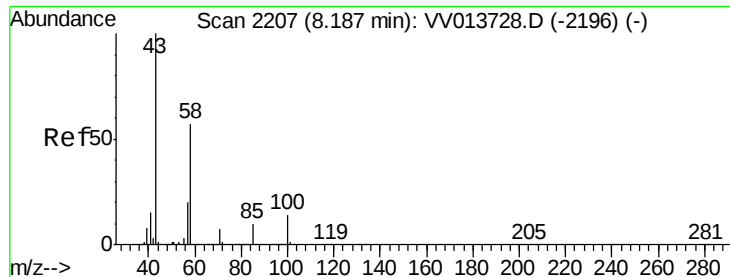
#47
 Tetrachloroethene
 Concen: 5.189 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Tgt Ion:	164	Resp:	136542
Ion	Ratio	Lower	Upper
164	100		
129	84.5	60.3	112.1
131	81.2	59.9	111.3
166	126.5	89.1	165.5



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

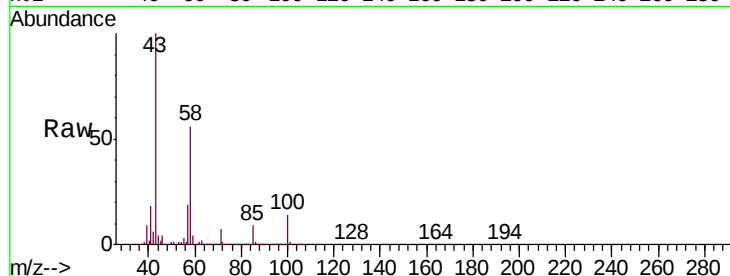




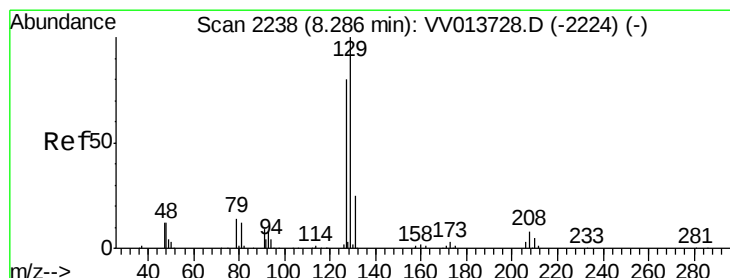
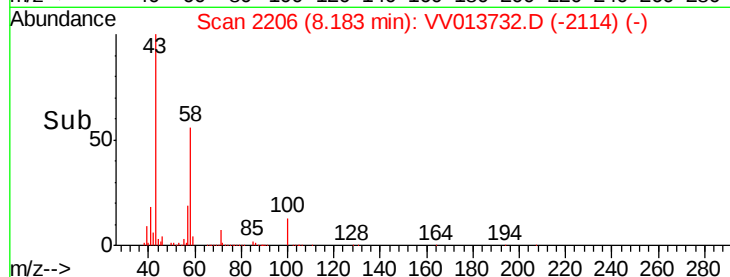
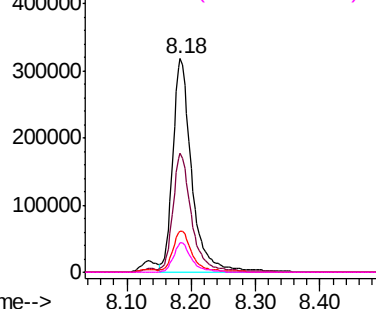
#48
2-Hexanone
Concen: 55.168 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013732.D
Acq: 22 Nov 2019 13:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

Tgt Ion: 43 Resp: 648652
Ion Ratio Lower Upper
43 100
58 54.2 43.2 64.8
57 19.5 15.4 23.2
100 12.7 10.4 15.6

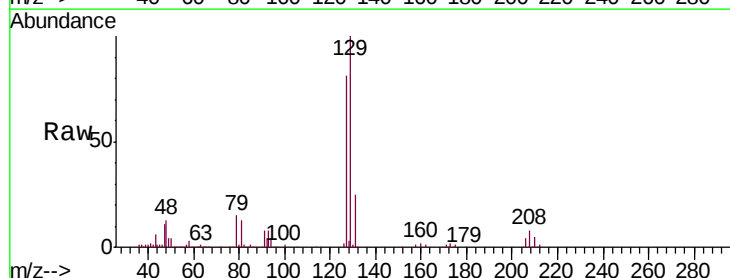


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

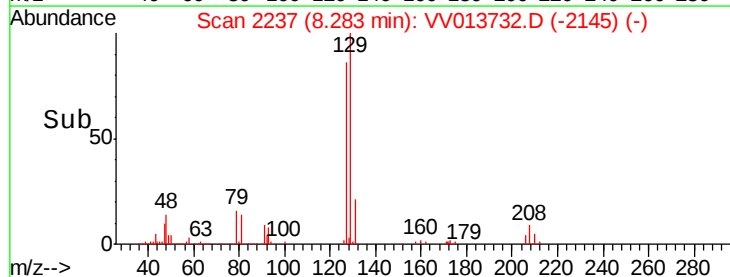
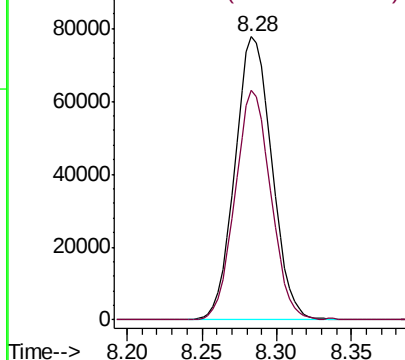


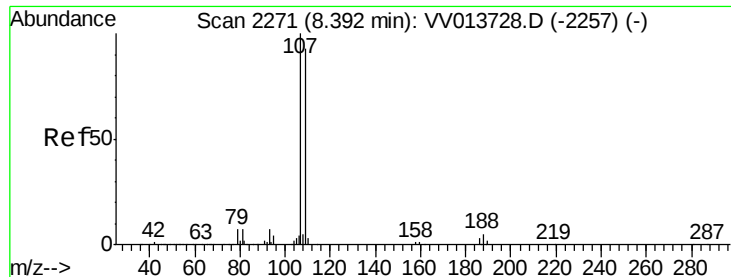
#49
Dibromochloromethane
Concen: 5.182 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV013732.D
Acq: 22 Nov 2019 13:56

Tgt Ion: 129 Resp: 133715
Ion Ratio Lower Upper
129 100
127 81.0 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

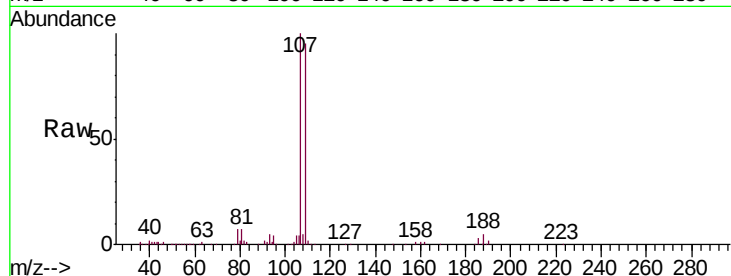




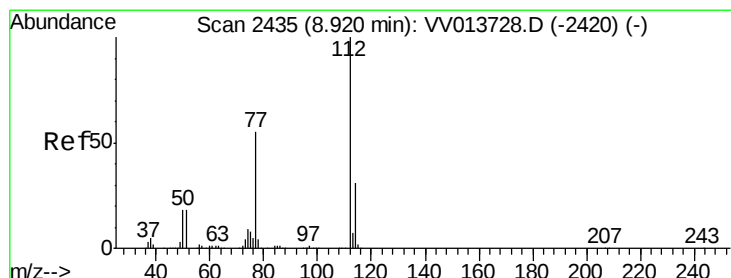
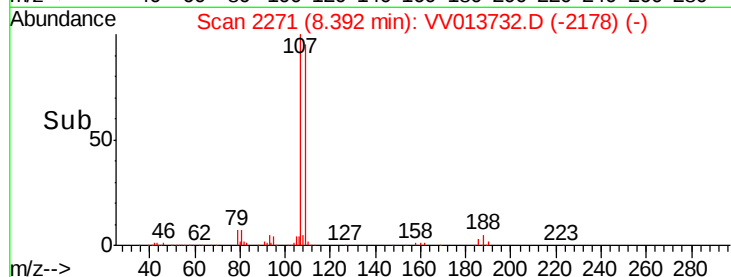
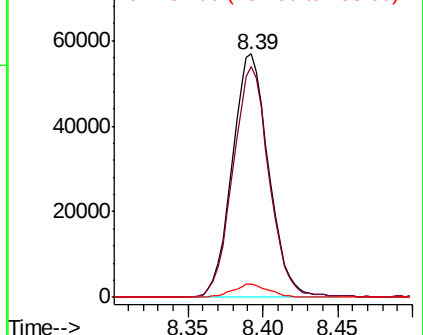
#50
 1,2-Dibromoethane
 Concen: 5.296 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion:107 Resp: 96484
 Ion Ratio Lower Upper
 107 100
 109 94.9 65.2 121.0
 188 5.4 4.2 6.2

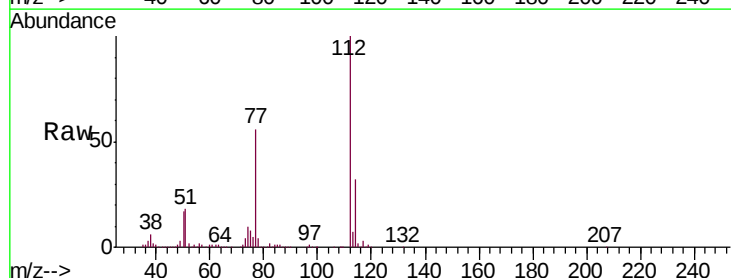


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

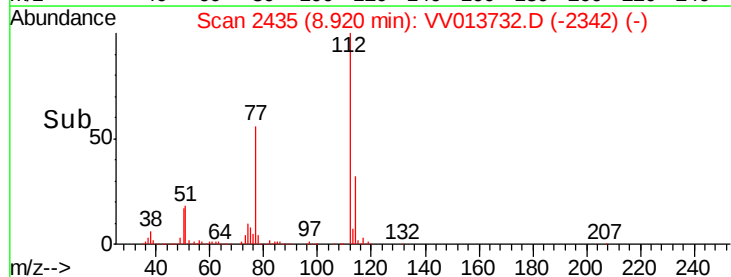
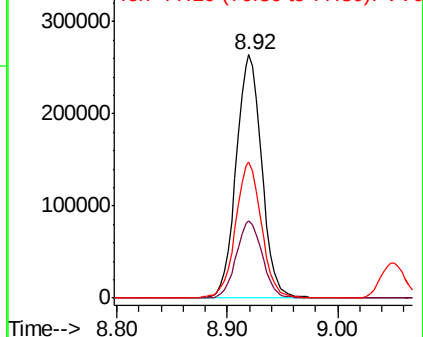


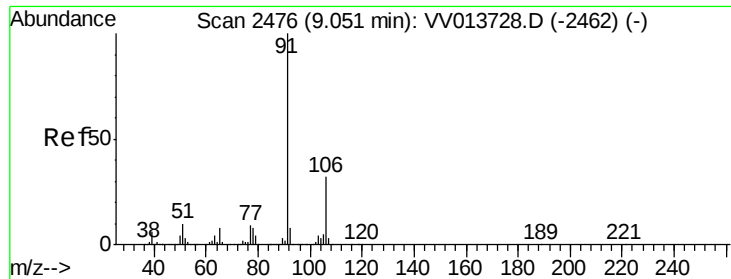
#51
 Chlorobenzene
 Concen: 5.172 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Tgt Ion:112 Resp: 424003
 Ion Ratio Lower Upper
 112 100
 114 31.9 21.8 40.6
 77 55.9 44.2 66.4



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: 5.376 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

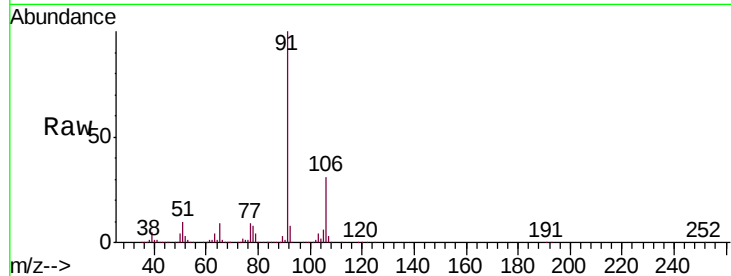
VSTD00546

Tgt Ion: 91 Resp: 688075

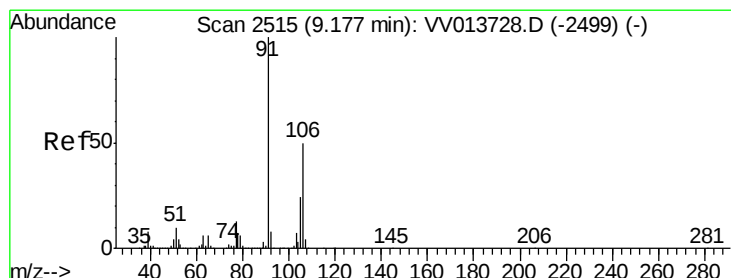
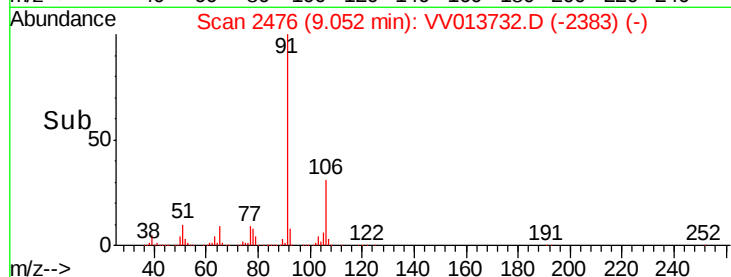
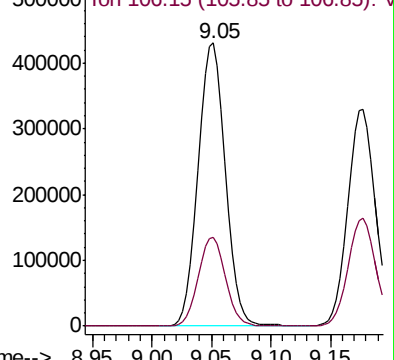
Ion Ratio Lower Upper

91 100

106 31.4 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV013732.D (-2462) (-)



#53

m,p-xylene

Concen: 5.442 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013732.D

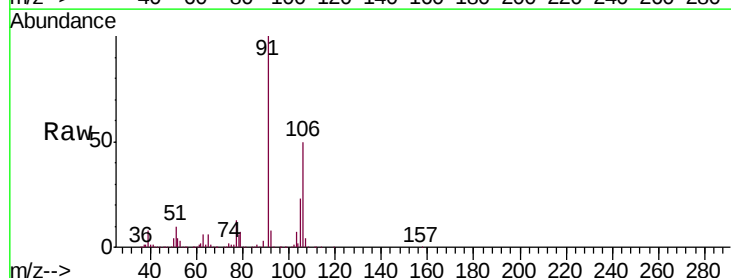
Acq: 22 Nov 2019 13:56

Tgt Ion: 106 Resp: 265540

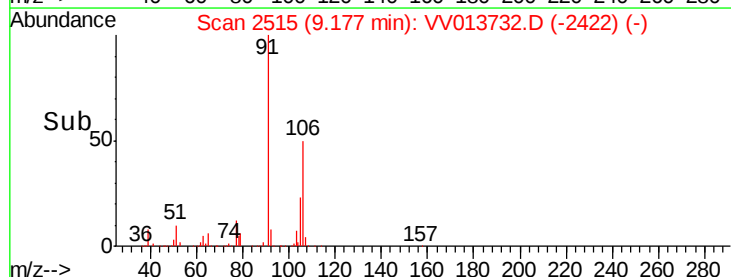
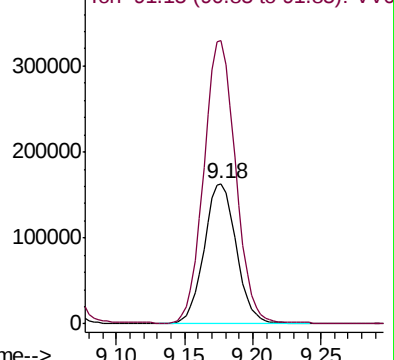
Ion Ratio Lower Upper

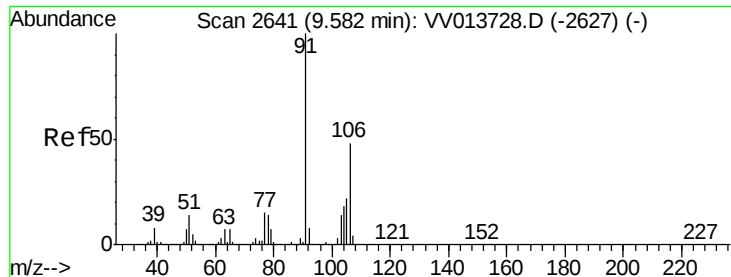
106 100

91 201.4 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): VV013732.D (-2499) (-)





#54

o-xylene

Concen: 5.412 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

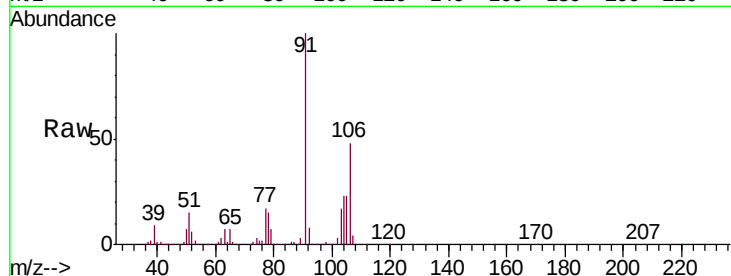
VSTD00546

Tgt Ion:106 Resp: 257789

Ion Ratio Lower Upper

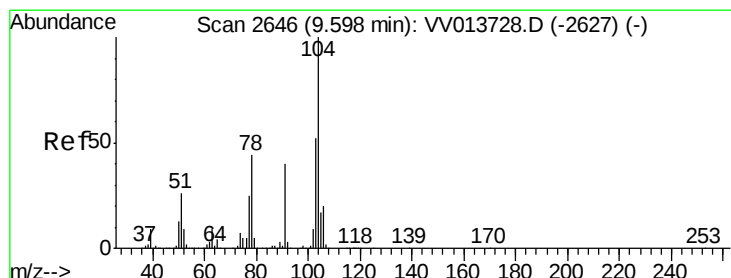
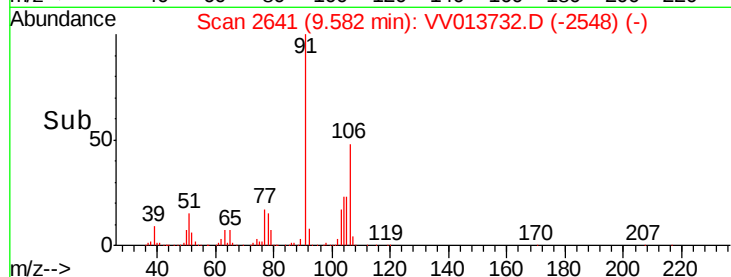
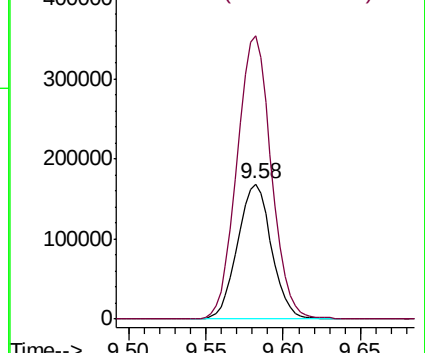
106 100

91 209.3 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.567 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013732.D

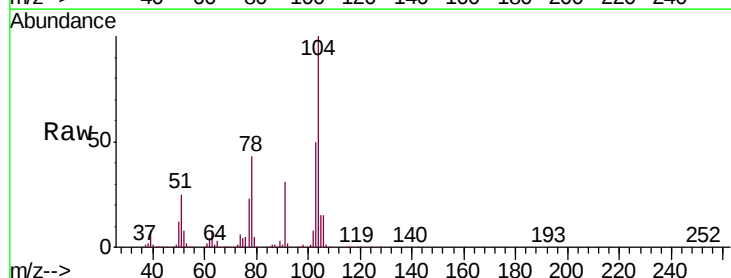
Acq: 22 Nov 2019 13:56

Tgt Ion:104 Resp: 457843

Ion Ratio Lower Upper

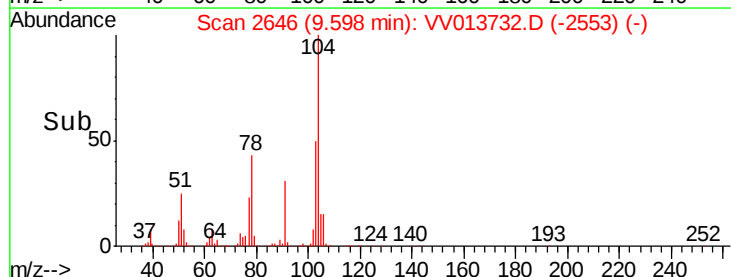
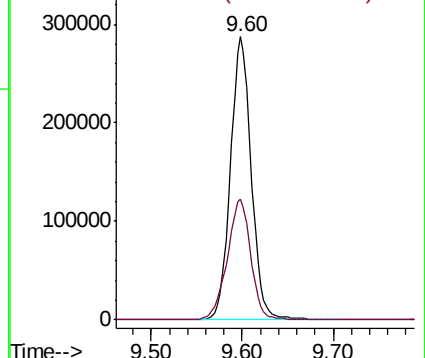
104 100

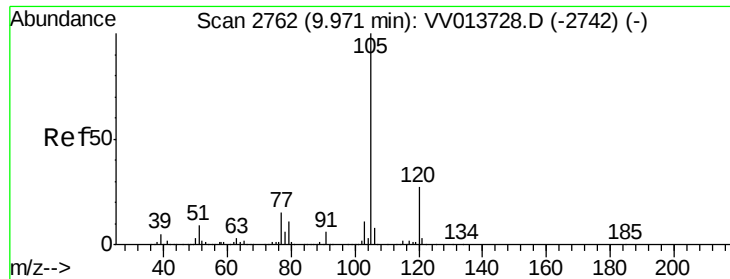
78 42.7 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.473 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

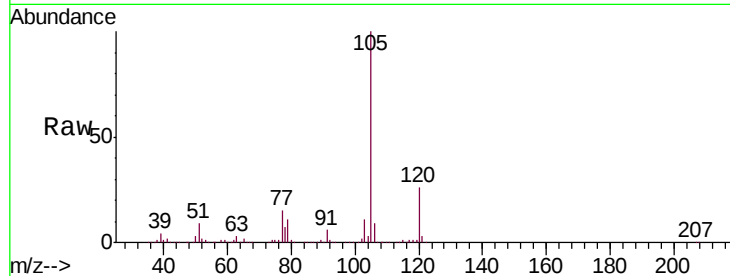
Tgt Ion: 105 Resp: 710473

Ion Ratio Lower Upper

105 100

120 25.8 21.3 31.9

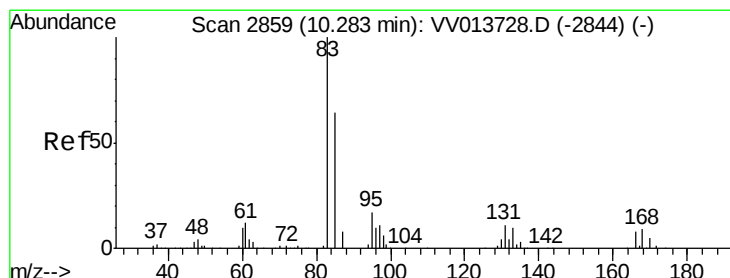
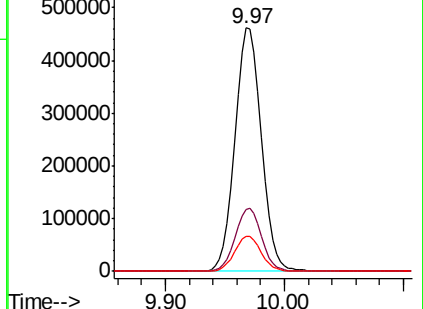
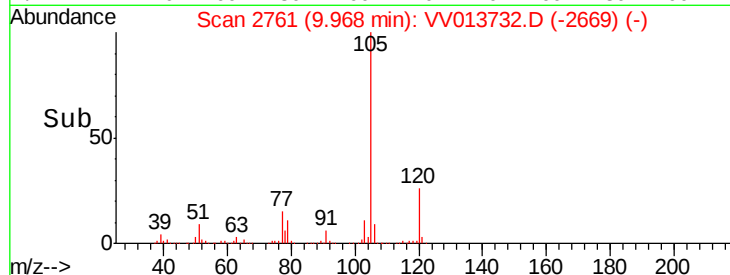
77 14.7 12.1 18.1



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: 5.259 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

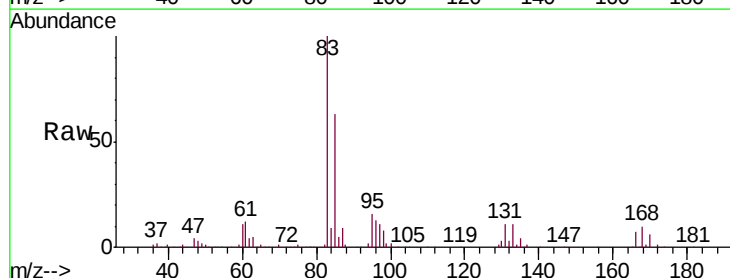
Tgt Ion: 83 Resp: 116257

Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

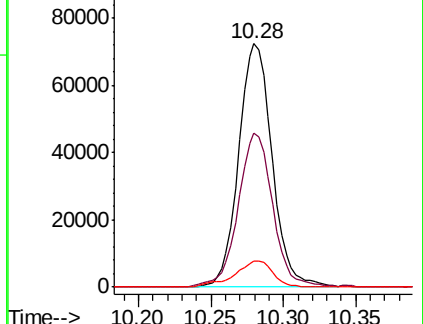
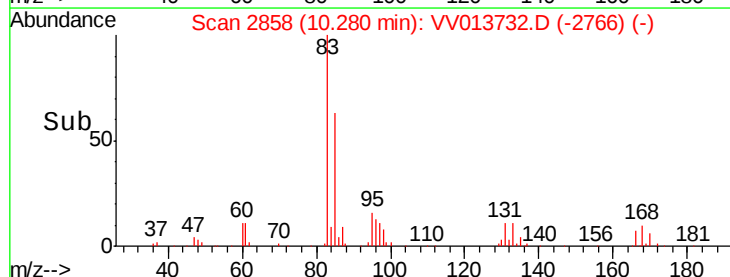
131 10.5 9.3 13.9

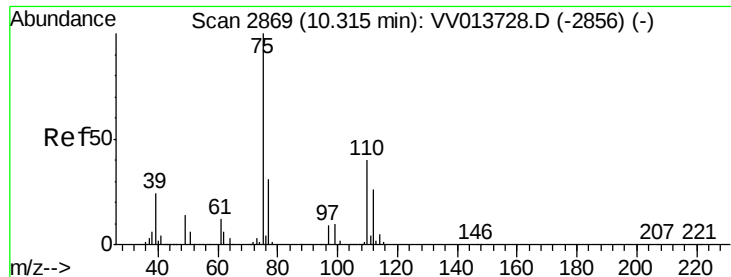


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

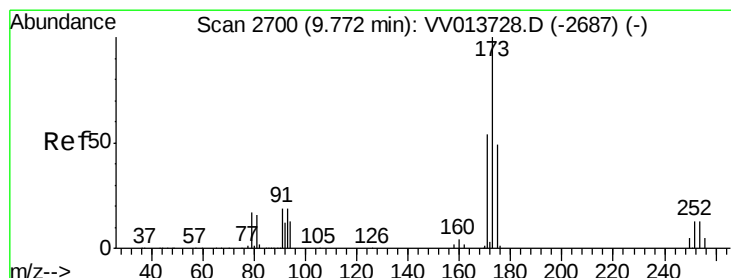
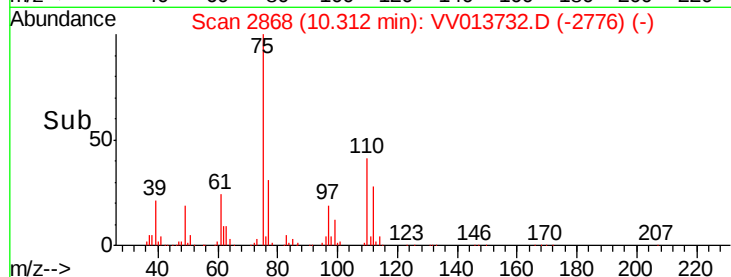
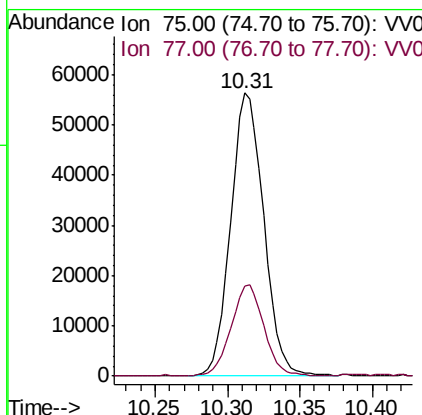
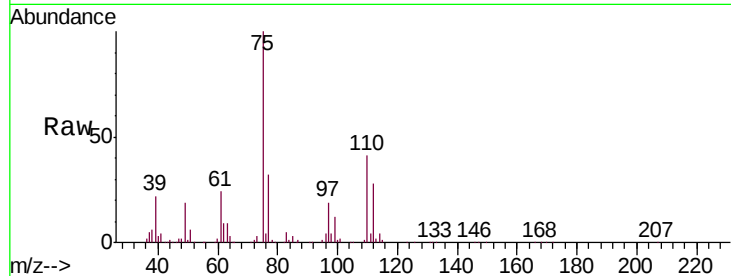




#59
 1,2,3-Trichloropropane
 Concen: 5.161 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

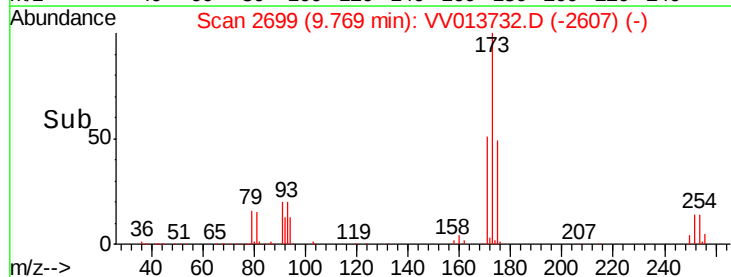
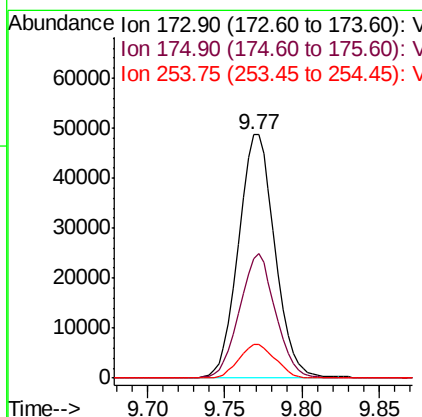
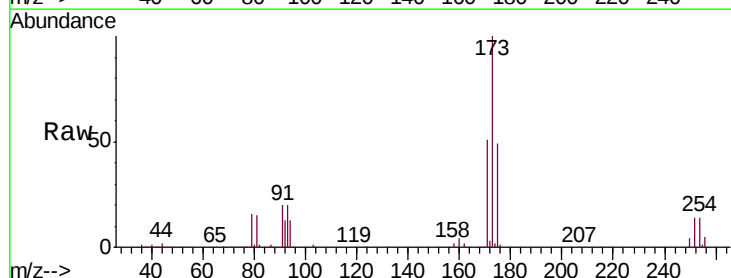
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

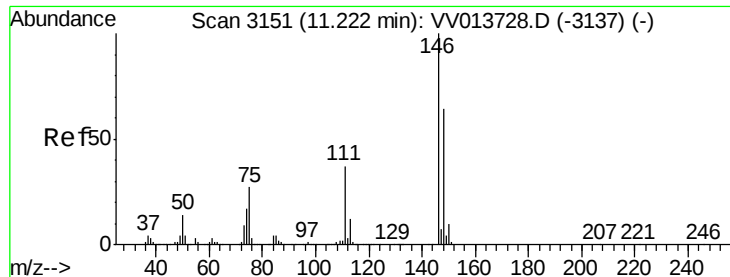
Tgt Ion: 75 Resp: 89431
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5



#61
 Bromoform
 Concen: 5.201 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV013732.D
 Acq: 22 Nov 2019 13:56

Tgt Ion: 173 Resp: 79837
 Ion Ratio Lower Upper
 173 100
 175 50.5 39.1 58.7
 254 13.7 10.4 15.6





#62

1,3-Dichlorobenzene

Concen: 5.315 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

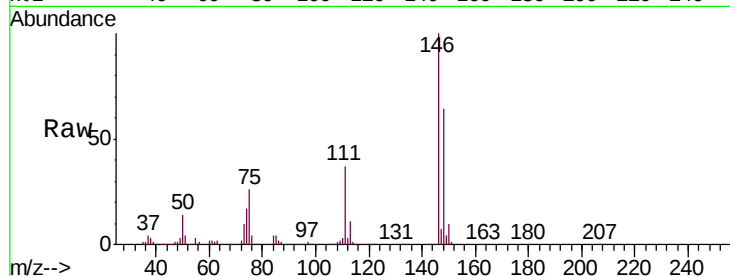
Tgt Ion:146 Resp: 376627

Ion Ratio Lower Upper

146 100

111 37.3 25.6 47.6

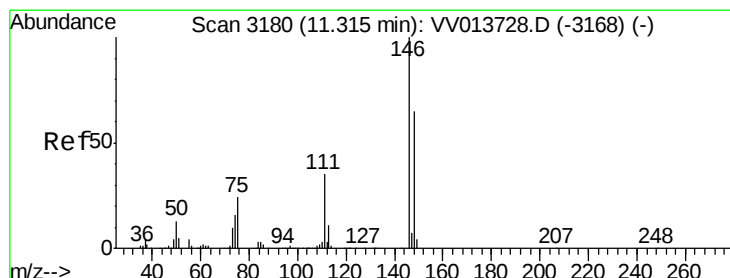
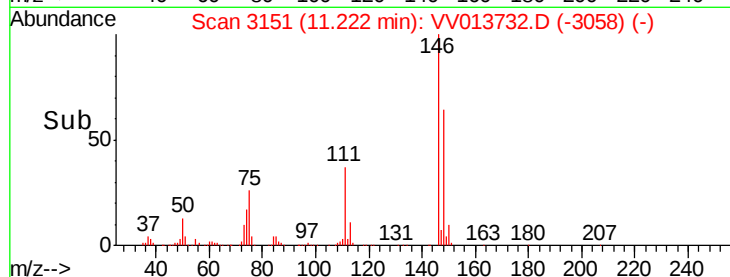
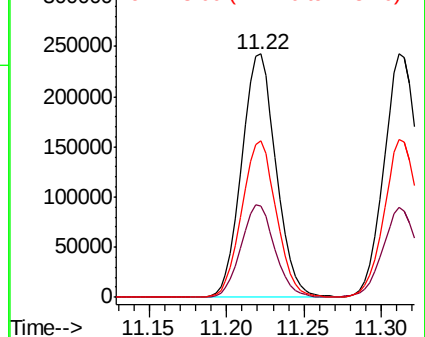
148 64.1 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 5.238 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

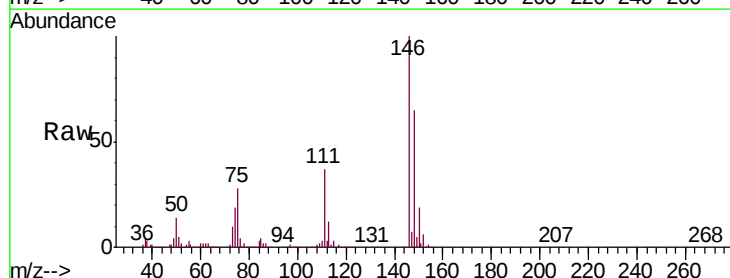
Tgt Ion:146 Resp: 377770

Ion Ratio Lower Upper

146 100

111 36.8 25.0 46.4

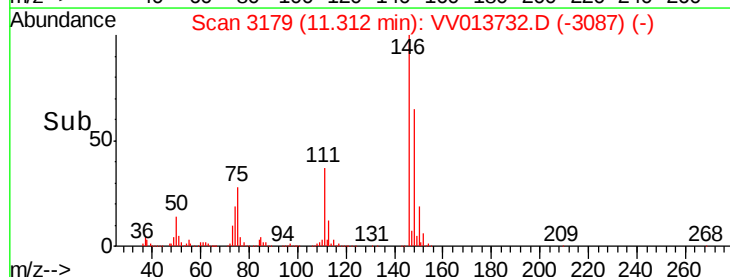
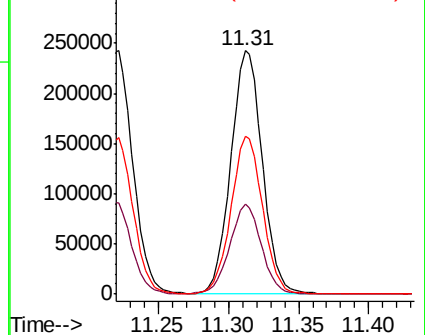
148 64.8 45.4 84.2

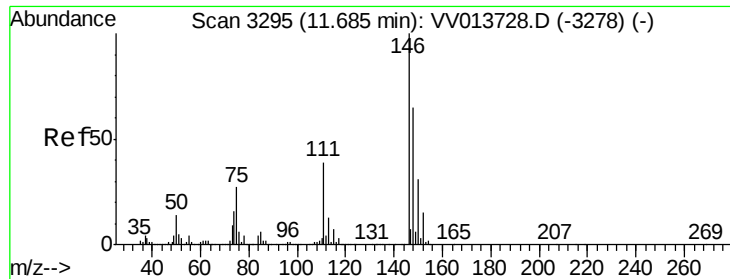


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.215 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

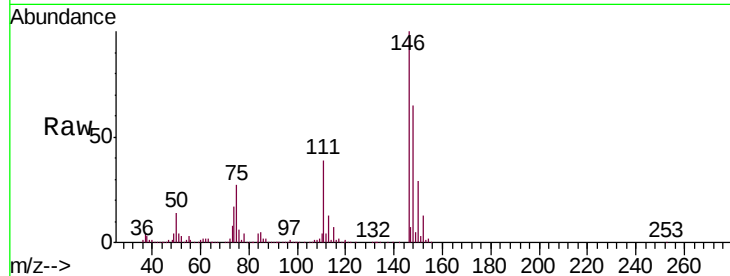
Tgt Ion:146 Resp: 342944

Ion Ratio Lower Upper

146 100

111 39.1 31.3 46.9

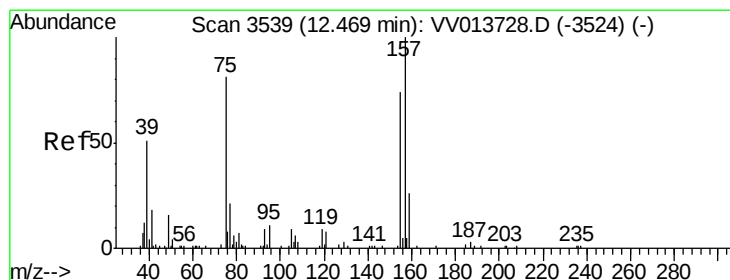
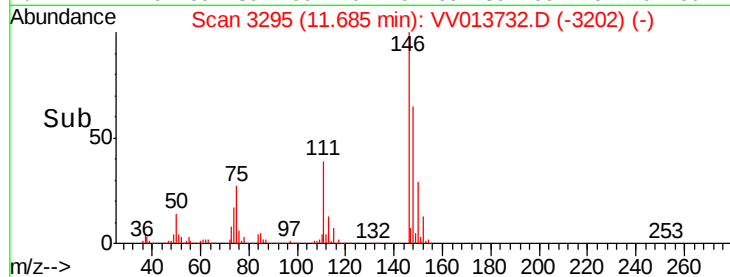
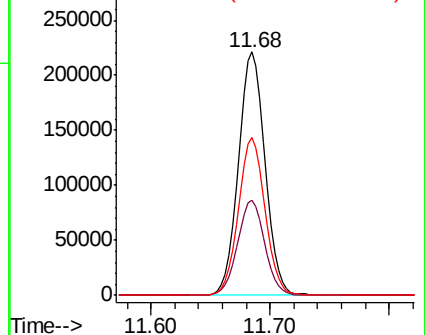
148 64.7 52.2 78.2



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: 5.044 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

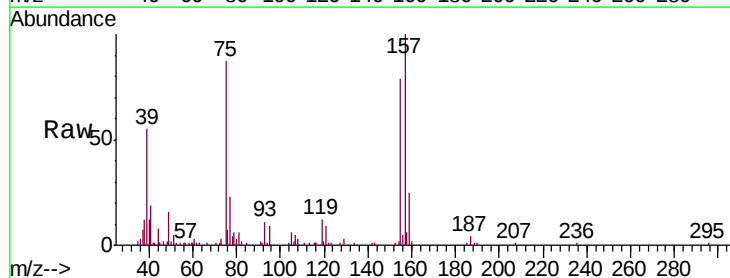
Tgt Ion: 75 Resp: 19274

Ion Ratio Lower Upper

75 100

155 90.7 73.4 110.0

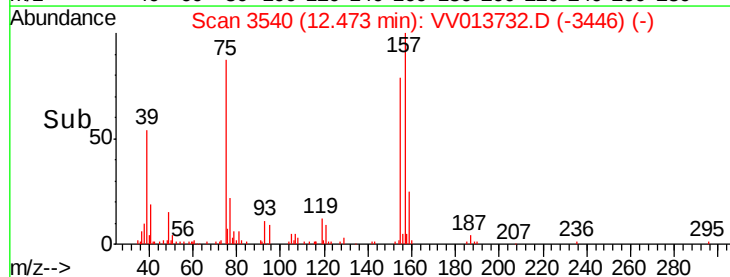
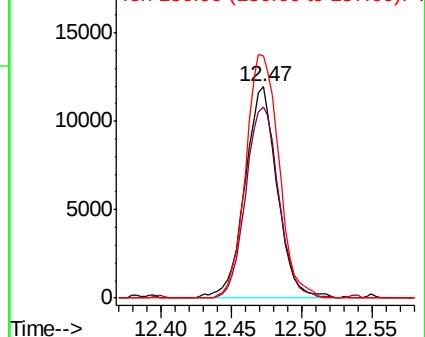
157 115.0 98.7 148.1

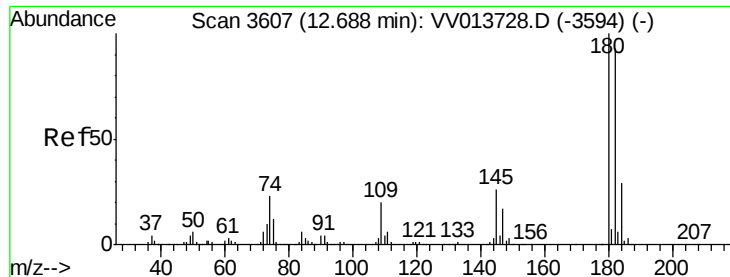


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.265 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

Tgt Ion:180 Resp: 315093

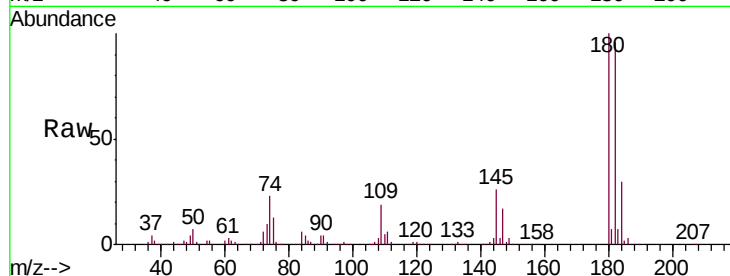
Ion Ratio Lower Upper

180 100

182 94.6 74.8 112.2

184 30.5 23.2 34.8

145 26.1 21.3 31.9

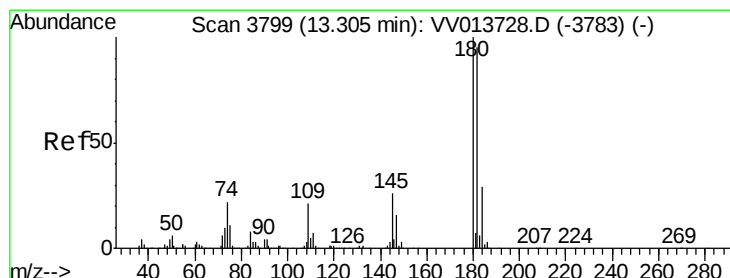
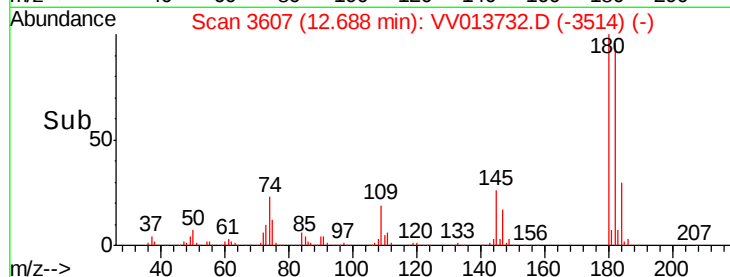
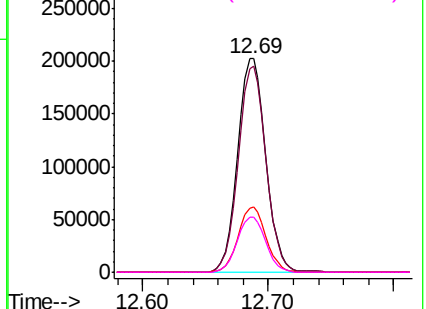


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.246 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

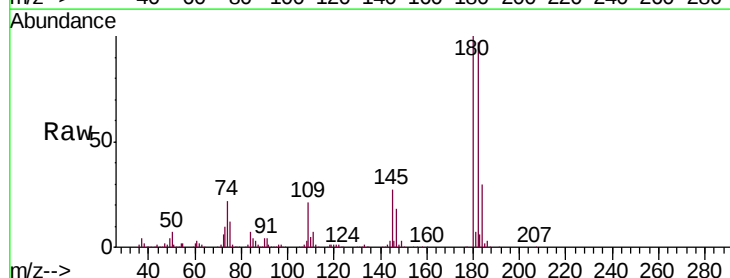
Tgt Ion:180 Resp: 257469

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.4

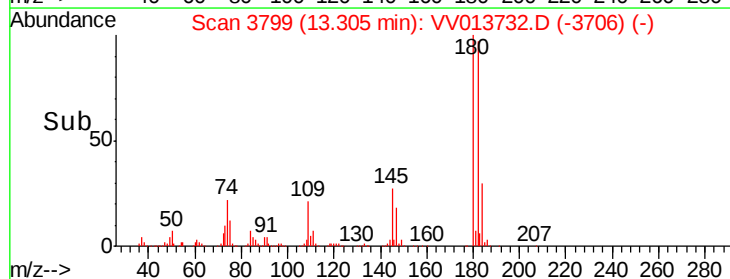
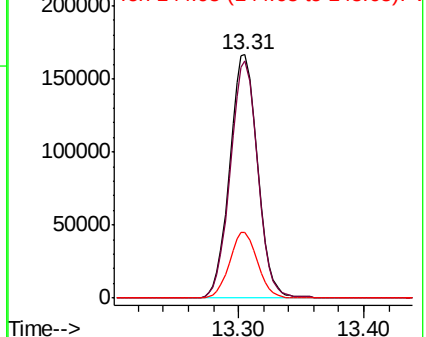
145 27.2 21.0 31.6

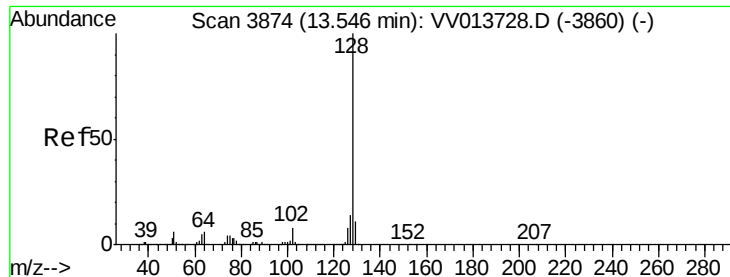


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.292 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

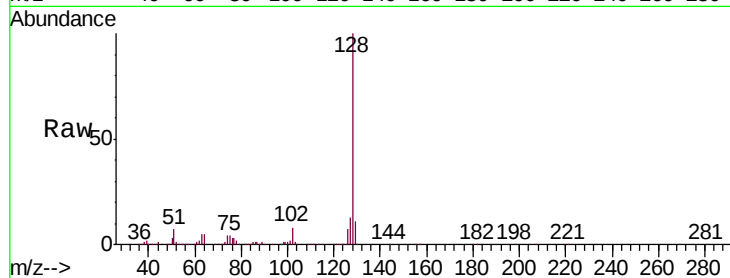
Tgt Ion:128 Resp: 353722

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

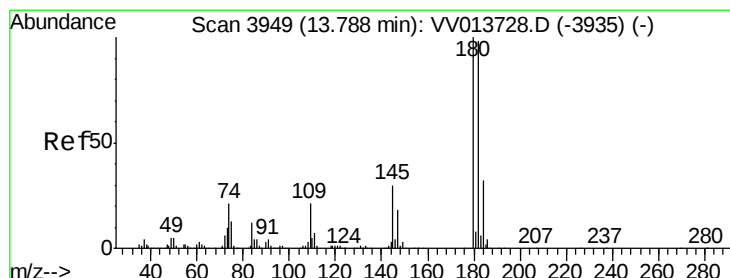
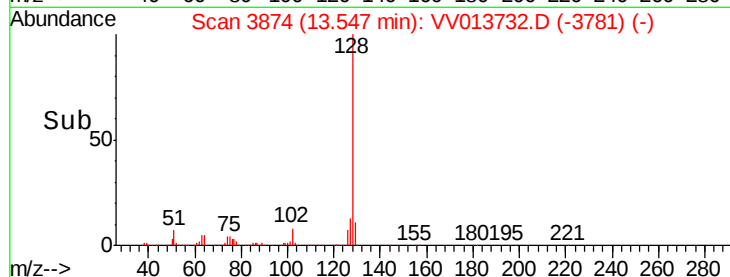
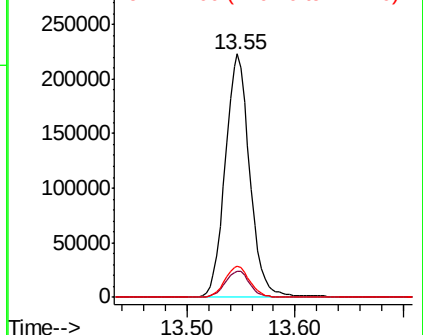
127 12.9 10.6 16.0



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: 5.320 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013732.D

Acq: 22 Nov 2019 13:56

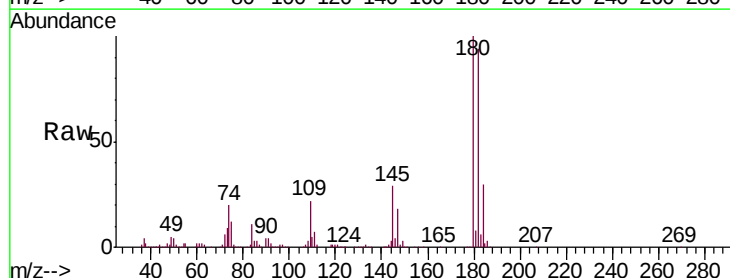
Tgt Ion:180 Resp: 237890

Ion Ratio Lower Upper

180 100

182 94.6 78.5 117.7

145 29.1 23.8 35.8



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

