

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\
 Data File : VV013729.D
 Acq On : 22 Nov 2019 11:33
 Operator : SY/MD
 Sample : VSTD01035
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

Quant Time: Nov 22 12:00:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 11:44:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	392797	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	378242	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	211715	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	250086	10.13	ug/L	0.00
7) Chloroethane-d5	1.58	69	215415	9.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	425511	9.64	ug/L	0.00
20) 2-Butanone-d5	3.95	46	573229	101.73	ug/L	-0.02
24) Chloroform-d	4.40	84	505708	9.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	242706	9.42	ug/L	0.00
32) Benzene-d6	5.09	84	1038023	9.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	307662	9.82	ug/L	0.00
41) Toluene-d8	7.35	98	996297	10.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	120440	9.94	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	495513	108.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	210366	9.33	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	376691	9.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	272739	7.931 ug/L	97
3) Chloromethane	1.25	50	235604	7.204 ug/L	99
5) Vinyl chloride	1.32	62	243839	7.738 ug/L	99
6) Bromomethane	1.53	94	128180	6.808 ug/L	99
8) Chloroethane	1.60	64	149286	8.392 ug/L	99
9) Trichlorofluoromethane	1.77	101	376263	8.775 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	223939	9.382 ug/L	99
12) 1,1-Dichloroethene	2.14	96	194370	8.529 ug/L	96
13) Acetone	2.22	43	365524	103.062 ug/L #	55
14) Carbon disulfide	2.31	76	447679	6.037 ug/L	99
15) Methyl Acetate	2.47	43	86864	8.811 ug/L	98
16) Methylene chloride	2.53	84	237664	7.458 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	546271	9.230 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	224126	8.062 ug/L	97
19) 1,1-Dichloroethane	3.23	63	453160	8.961 ug/L	100
21) 2-Butanone	4.04	43	609242	103.648 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	266975	9.059 ug/L	100
23) Bromochloromethane	4.29	128	115966	8.541 ug/L	96
25) Chloroform	4.42	83	476425	6.983 ug/L	97
27) 1,2-Dichloroethane	5.18	62	276439	9.092 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	402378	8.946 ug/L	99
30) Cyclohexane	4.72	56	354073	8.181 ug/L	98
31) Carbon tetrachloride	4.87	117	358962	8.904 ug/L	99
33) Benzene	5.14	78	985764	8.860 ug/L	100
34) Trichloroethene	5.96	95	268627	8.932 ug/L	97
35) Methylcyclohexane	6.17	83	383420	8.560 ug/L	99
37) 1,2-Dichloropropane	6.22	63	252441	9.427 ug/L	97
38) Bromodichloromethane	6.55	83	334130	8.902 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	367598	9.541 ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1527916	97.126 ug/L	99

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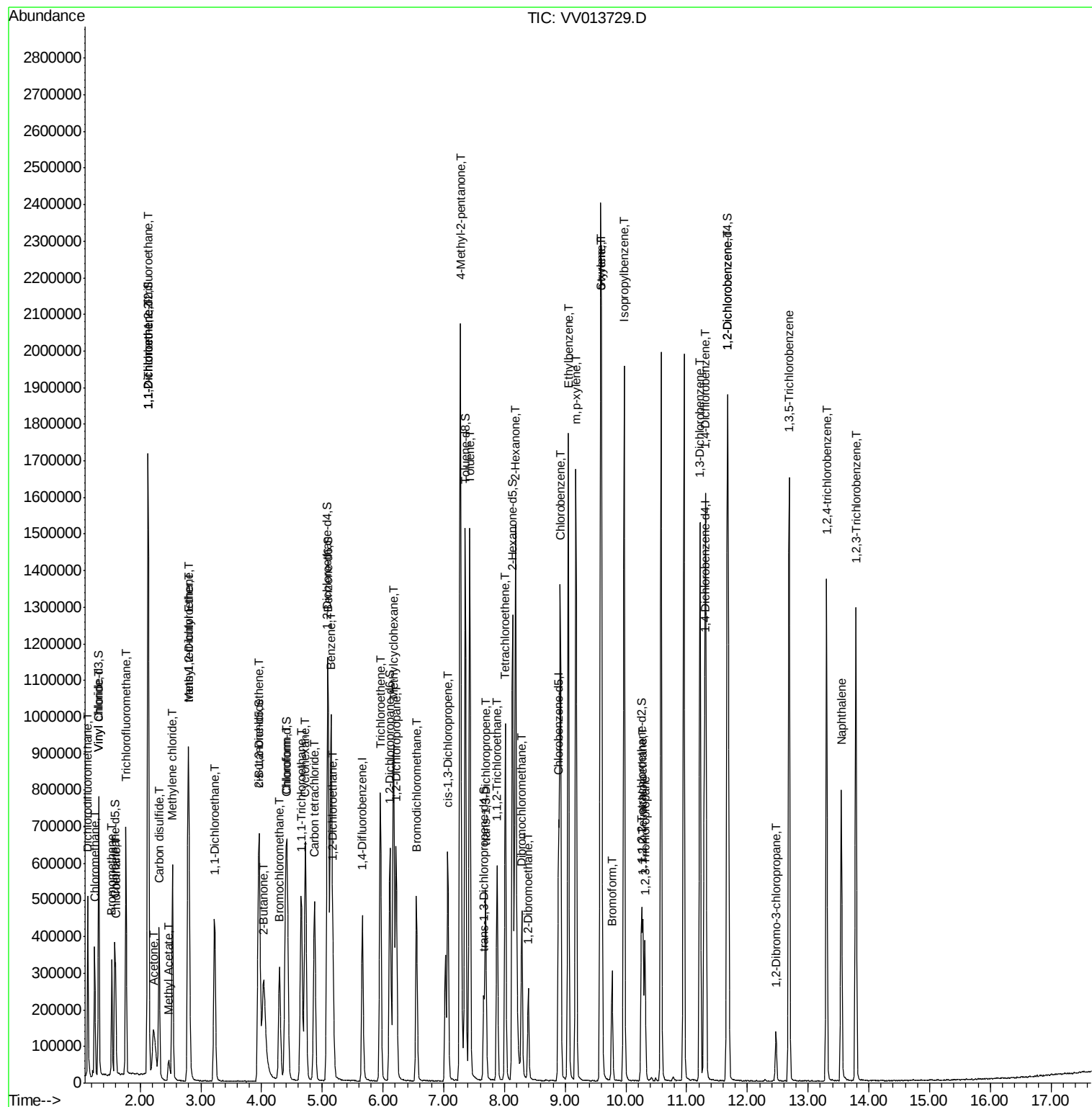
42) Toluene	7.43	91	1089038	9.155	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	280598	9.208	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	178870	9.202	ug/L	99
47) Tetrachloroethene	8.01	164	231287	8.396	ug/L	97
48) 2-Hexanone	8.18	43	1070538	95.407	ug/L	97
49) Dibromochloromethane	8.29	129	233832	9.425	ug/L	96
50) 1,2-Dibromoethane	8.39	107	163310	8.799	ug/L	98
51) Chlorobenzene	8.92	112	724276	9.091	ug/L	100
52) Ethylbenzene	9.05	91	1206381	9.456	ug/L	100
53) m,p-xylene	9.18	106	469244	9.814	ug/L	99
54) o-xylene	9.58	106	459531	9.906	ug/L	98
55) Styrene	9.60	104	811194	10.316	ug/L	99
56) Isopropylbenzene	9.97	105	1262989	10.183	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	197733	9.198	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	151228	8.998	ug/L	98
61) Bromoform	9.77	173	139486	8.952	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	654880	9.318	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	650171	9.118	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	600058	9.182	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	31629	8.103	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	552210	9.408	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	457092	9.452	ug/L	99
69) Naphthalene	13.55	128	638133	9.700	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	425782	9.747	ug/L	98

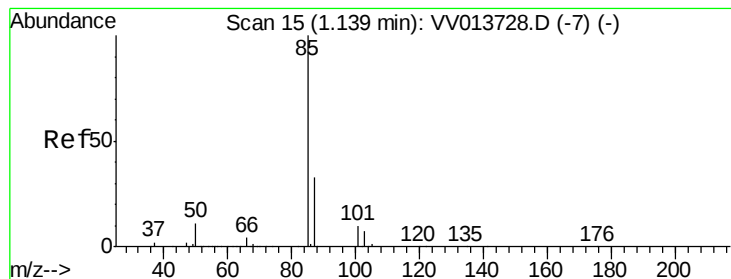
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 7.931 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

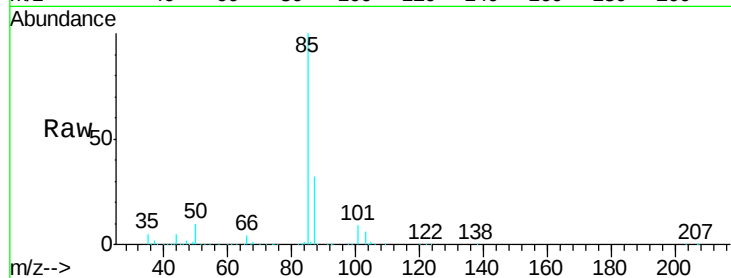
VSTD01035

Tgt Ion: 85 Resp: 272739

Ion Ratio Lower Upper

85 100

87 32.6 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

300000

250000

200000

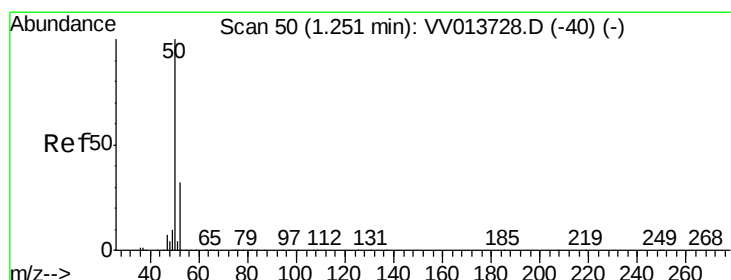
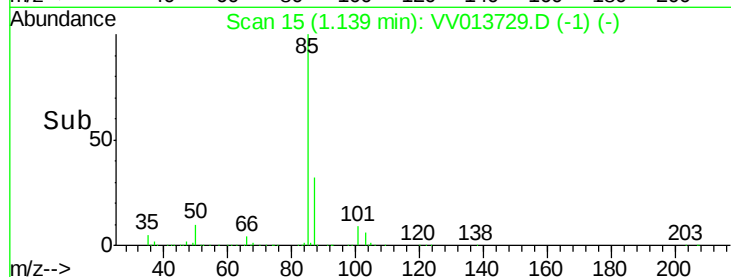
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 7.204 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013729.D

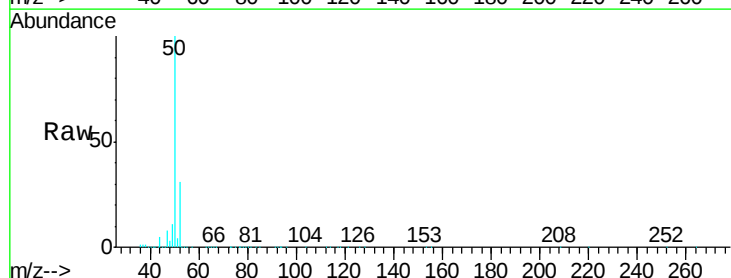
Acq: 22 Nov 2019 11:33

Tgt Ion: 50 Resp: 235604

Ion Ratio Lower Upper

50 100

52 31.4 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

250000

200000

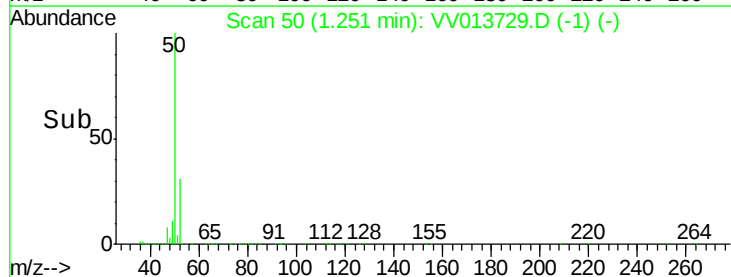
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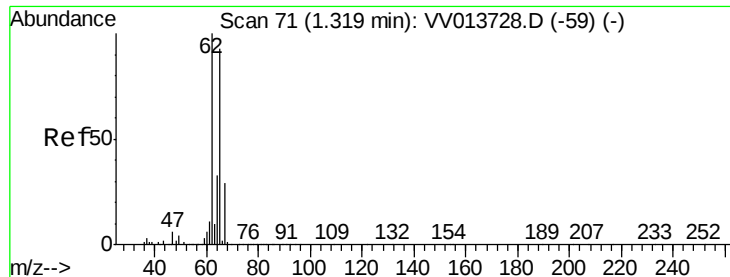
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 7.738 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

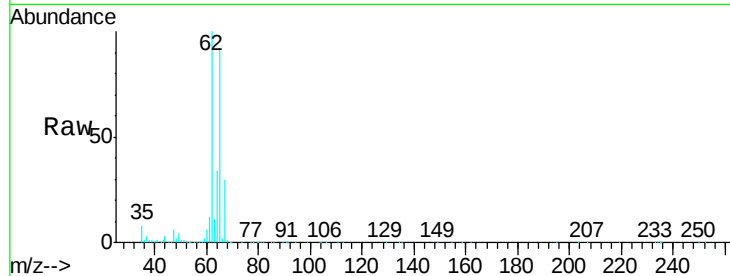
VSTD01035

Tgt Ion: 62 Resp: 243839

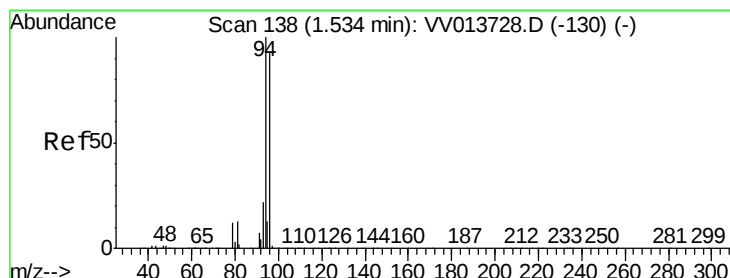
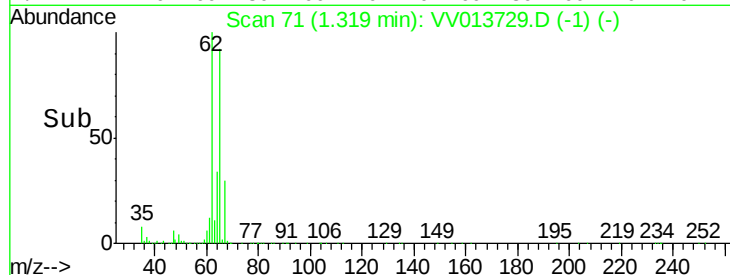
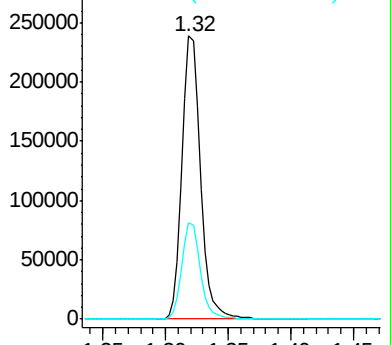
Ion Ratio Lower Upper

62 100

64 34.1 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV013728.D (-59) (-)



#6

Bromomethane

Concen: 6.808 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013729.D

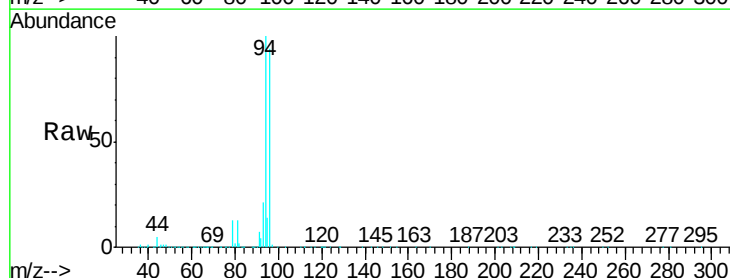
Acq: 22 Nov 2019 11:33

Tgt Ion: 94 Resp: 128180

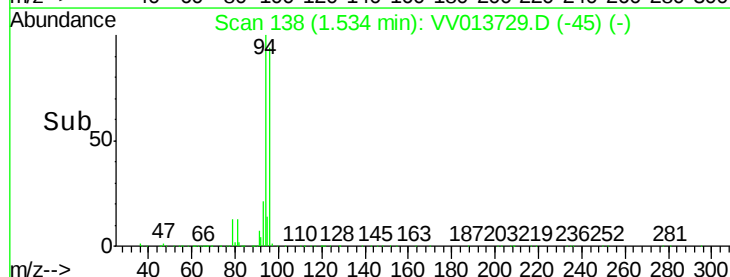
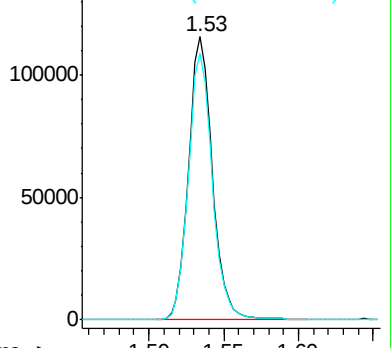
Ion Ratio Lower Upper

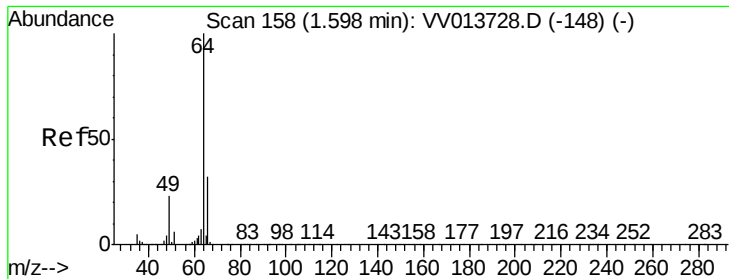
94 100

96 94.0 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VV013728.D (-130) (-)





#8

Chloroethane

Concen: 8.392 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

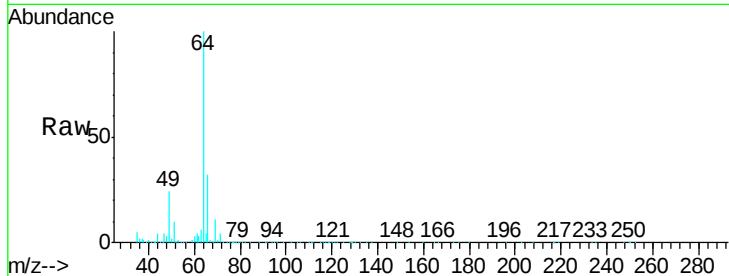
VSTD01035

Tgt Ion: 64 Resp: 149286

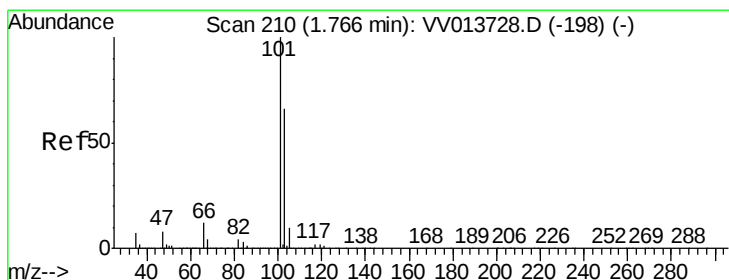
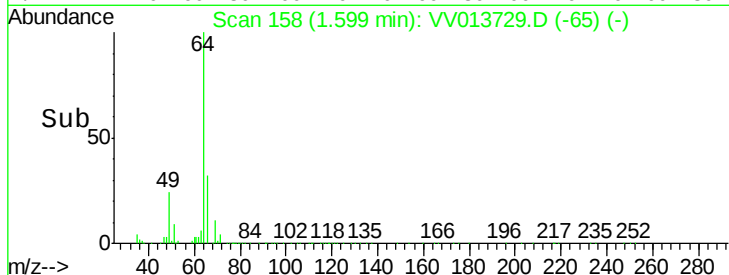
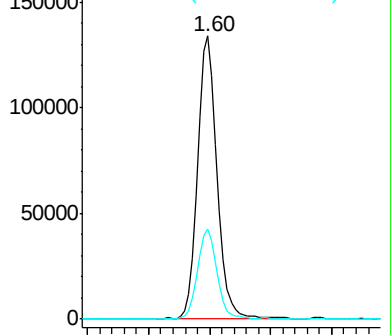
Ion Ratio Lower Upper

64 100

66 31.6 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV013728.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 8.775 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013729.D

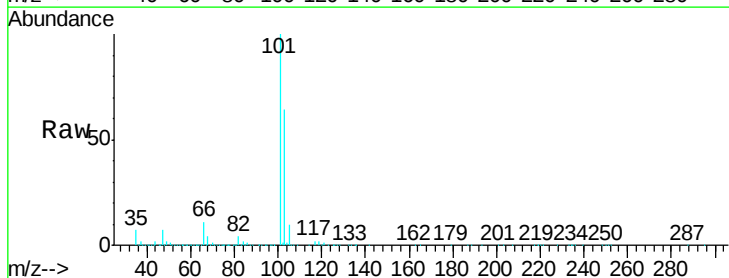
Acq: 22 Nov 2019 11:33

Tgt Ion: 101 Resp: 376263

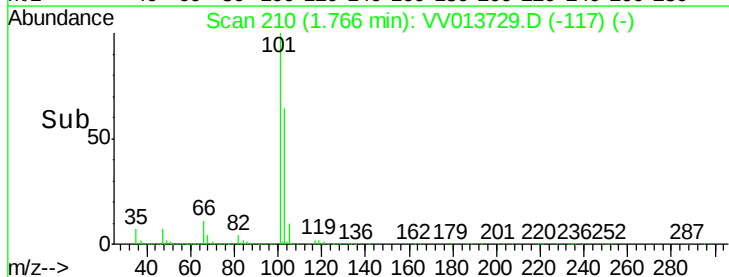
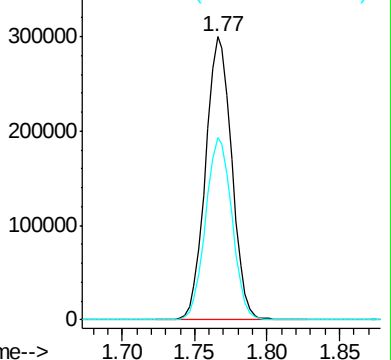
Ion Ratio Lower Upper

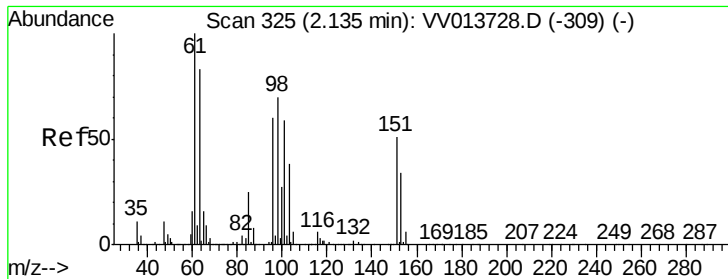
101 100

103 65.1 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VV013728.D (-198) (-)





#10

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

Concen: 9.382 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

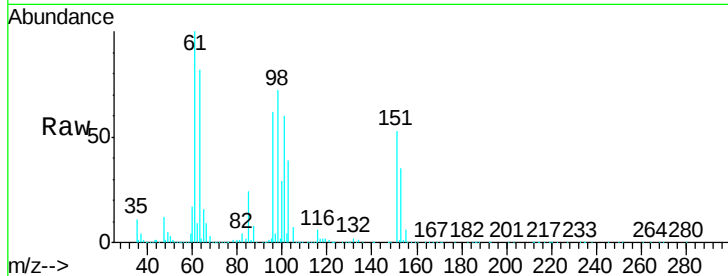
Tgt Ion: 101 Resp: 223939

Ion Ratio Lower Upper

101 100

85 40.0 33.4 50.0

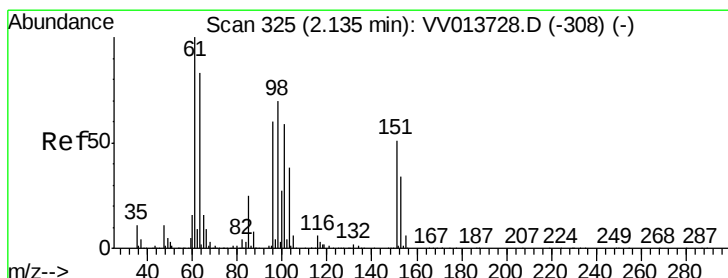
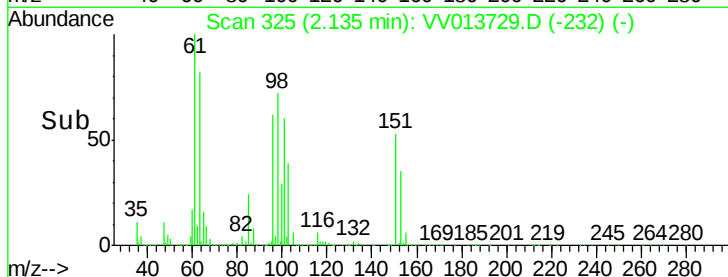
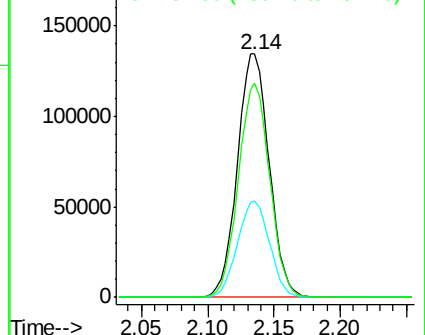
151 87.0 69.4 104.0



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: 8.529 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

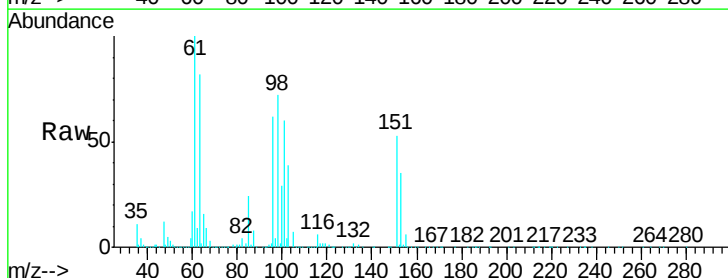
Tgt Ion: 96 Resp: 194370

Ion Ratio Lower Upper

96 100

61 161.1 116.3 215.9

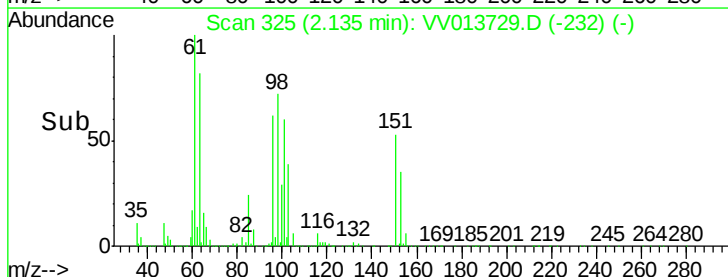
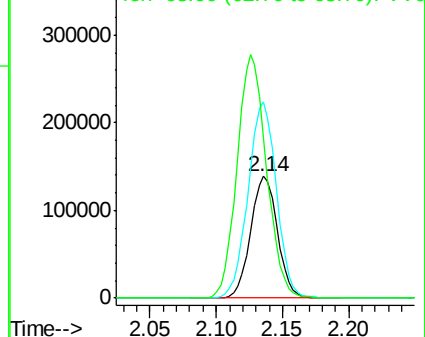
63 131.8 96.7 179.7

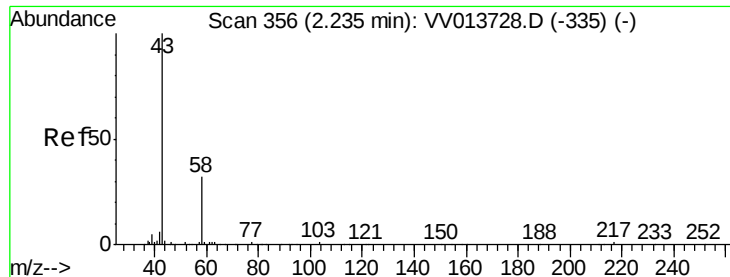


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 103.062 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.02 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

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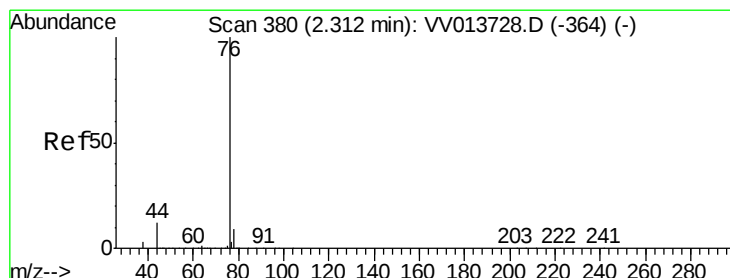
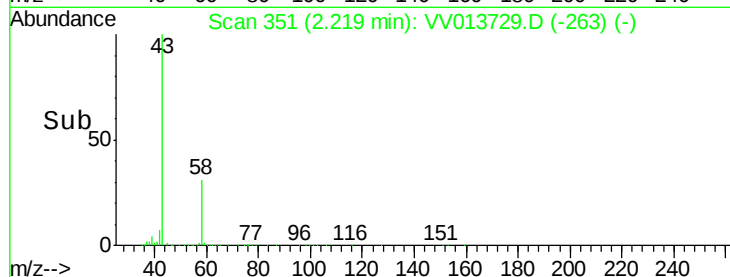
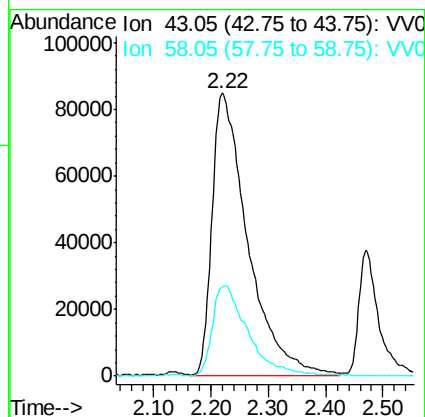
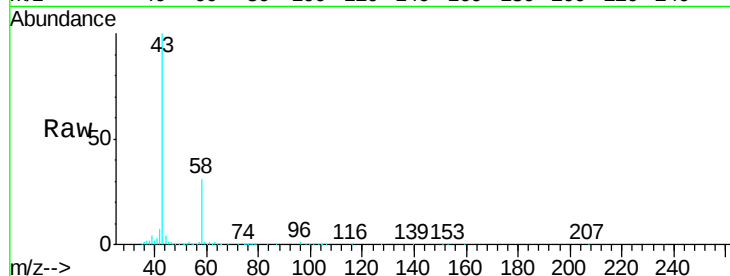
VSTD01035

Tgt Ion: 43 Resp: 365524

Ion Ratio Lower Upper

43 100

58 31.9 0.0 27.2#



#14

Carbon disulfide

Concen: 6.037 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013729.D

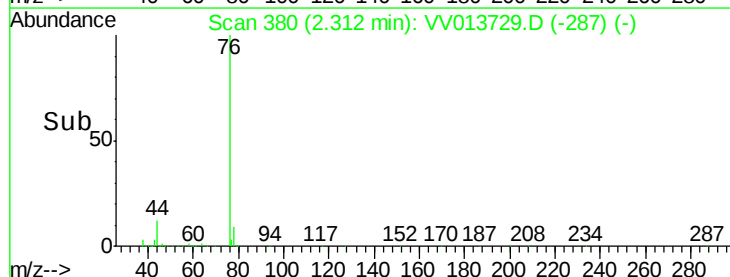
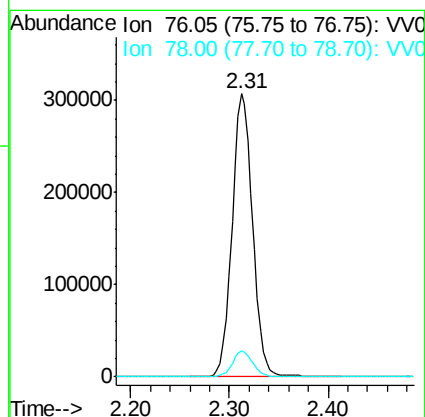
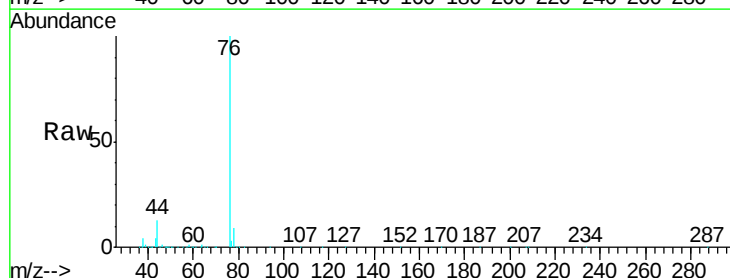
Acq: 22 Nov 2019 11:33

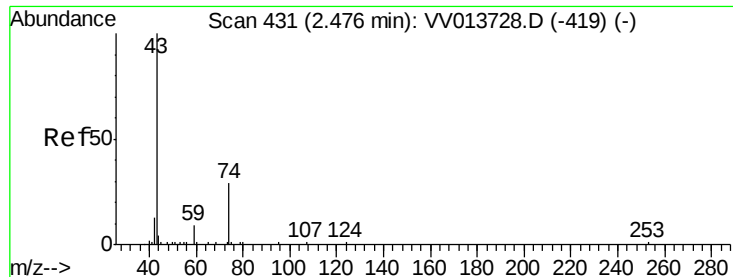
Tgt Ion: 76 Resp: 447679

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

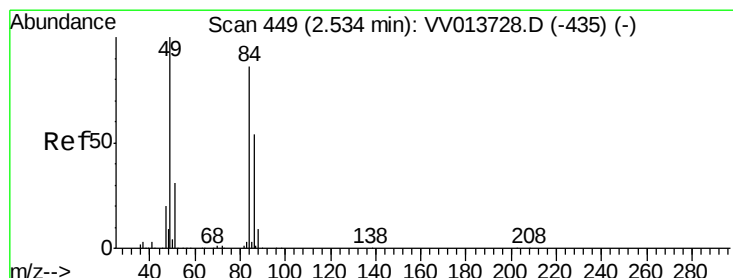
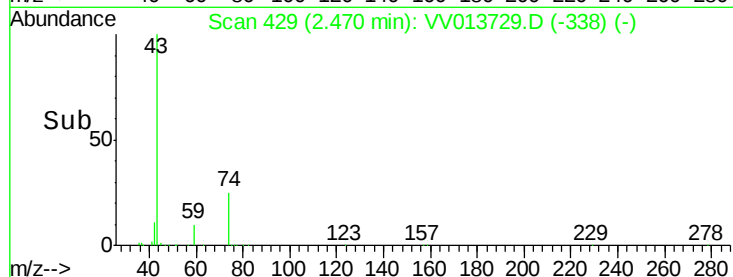
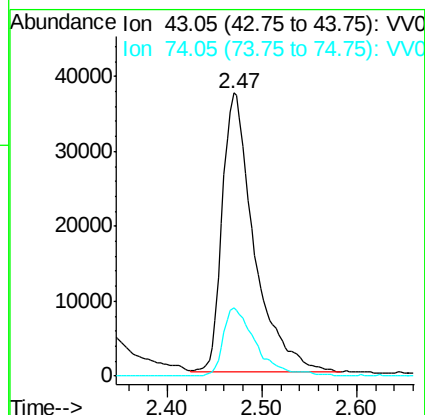
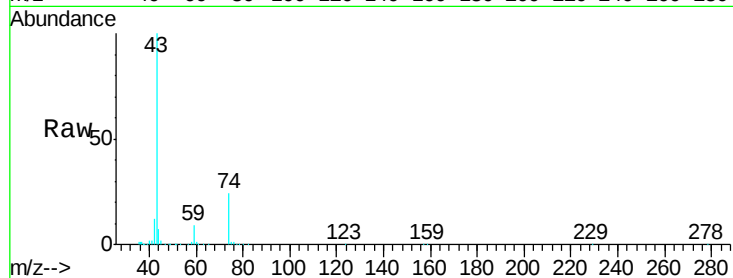




#15
Methyl Acetate
Concen: 8.811 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

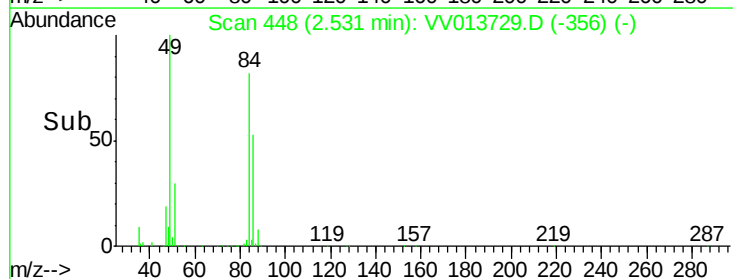
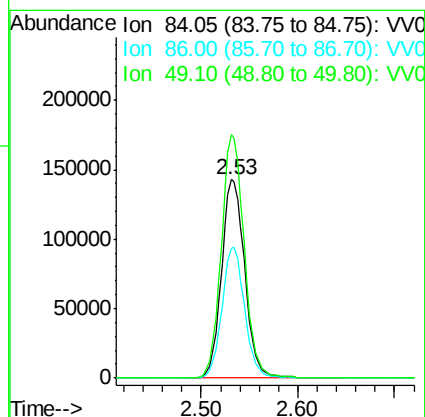
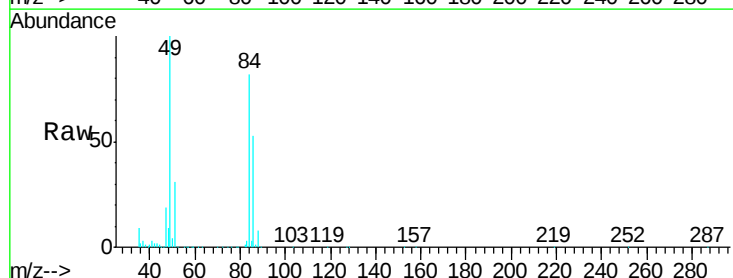
Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

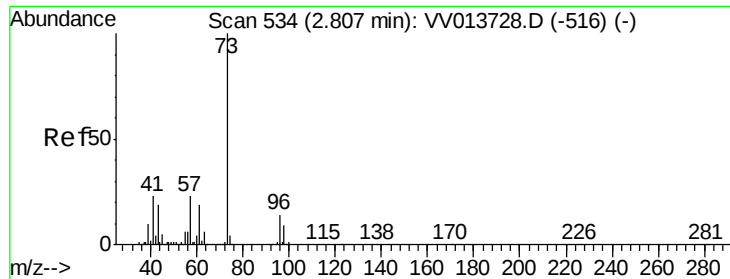
Tgt Ion: 43 Resp: 86864
Ion Ratio Lower Upper
43 100
74 24.5 20.5 30.7



#16
Methylene chloride
Concen: 7.458 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Tgt Ion: 84 Resp: 237664
Ion Ratio Lower Upper
84 100
86 65.5 44.0 81.6
49 122.6 81.5 151.5

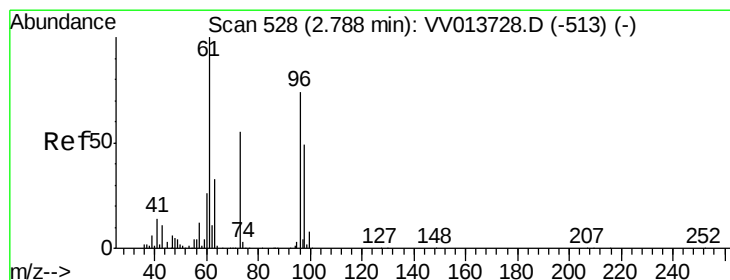
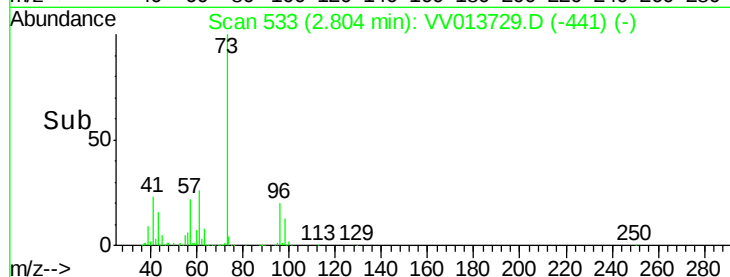
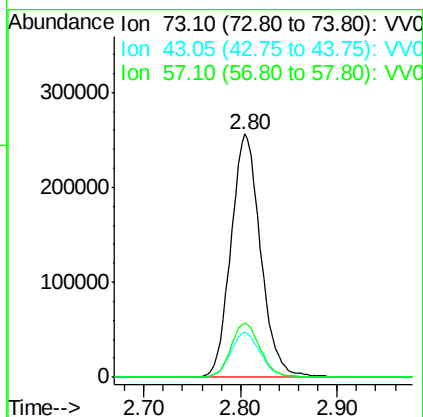
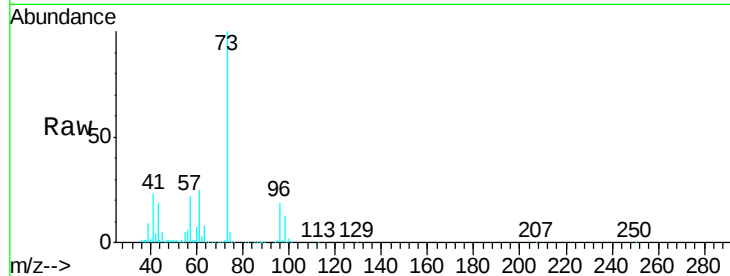




#17
Methyl tert-butyl Ether
Concen: 9.230 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

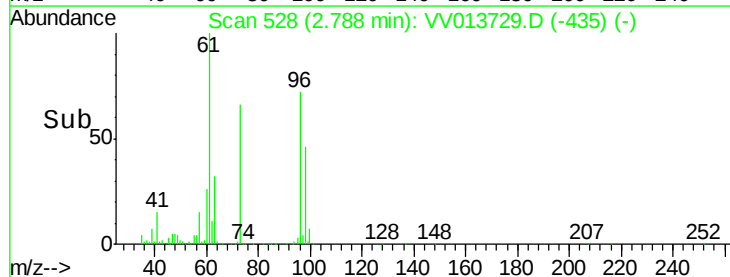
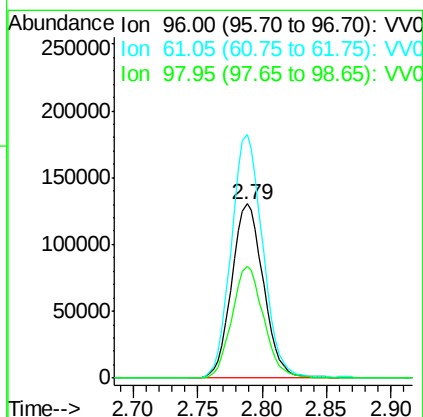
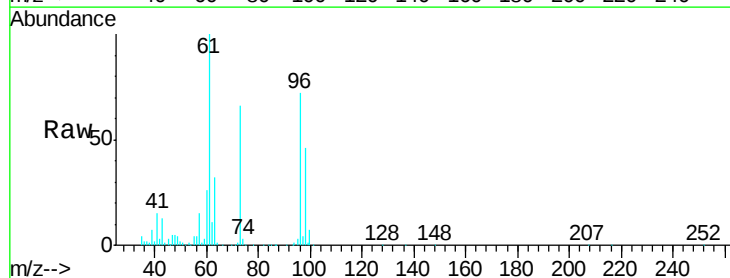
Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

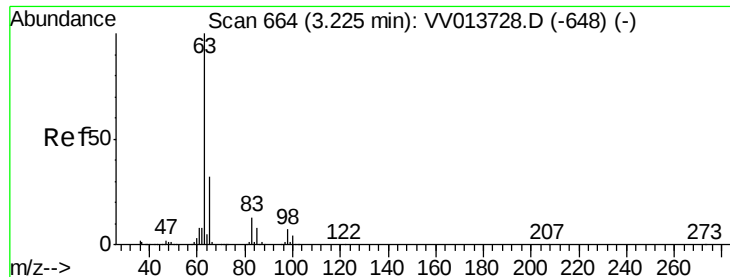
Tgt Ion: 73 Resp: 546271
Ion Ratio Lower Upper
73 100
43 18.8 15.5 23.3
57 22.2 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 8.062 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Tgt Ion: 96 Resp: 224126
Ion Ratio Lower Upper
96 100
61 139.7 95.1 176.7
98 64.3 46.5 86.3

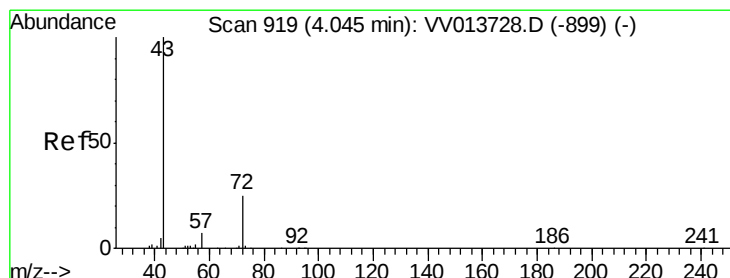
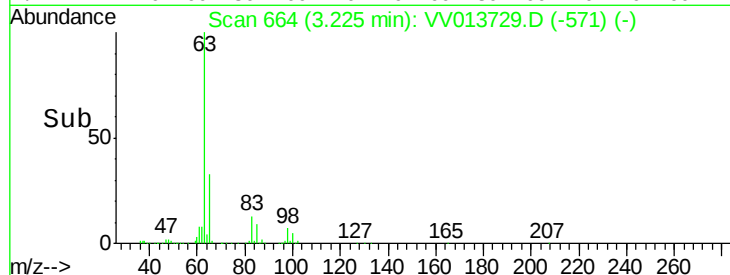
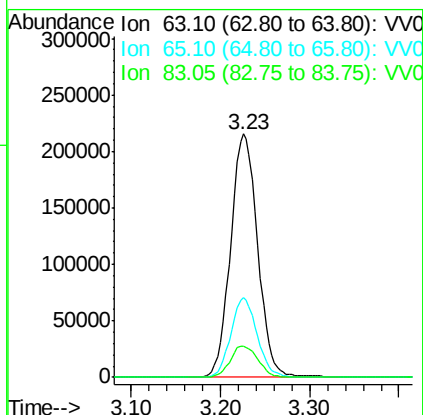
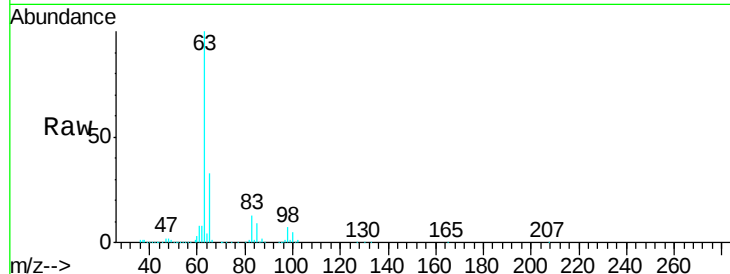




#19
 1,1-Dichloroethane
 Concen: 8.961 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

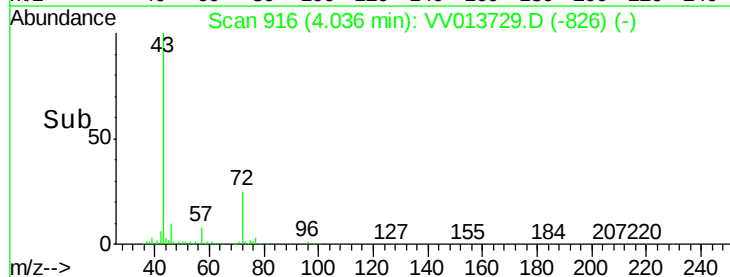
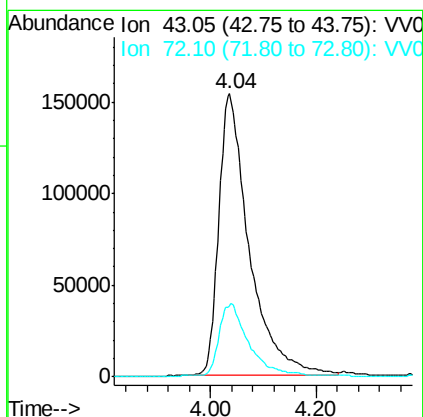
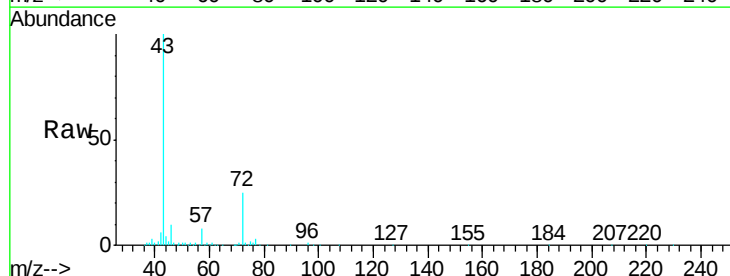
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

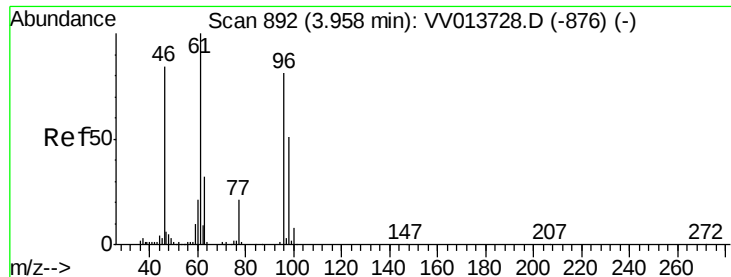
Tgt Ion: 63 Resp: 453160
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.7 42.1
 83 13.0 9.2 17.2



#21
 2-Butanone
 Concen: 103.648 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

Tgt Ion: 43 Resp: 609242
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.3 36.9



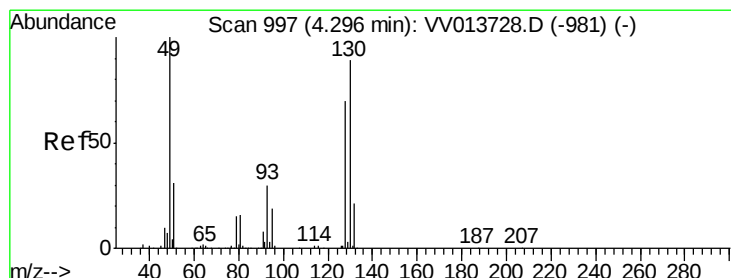
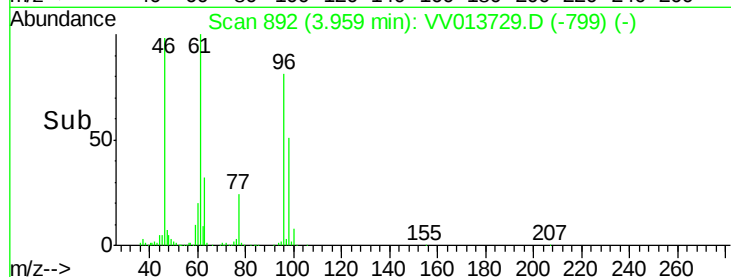
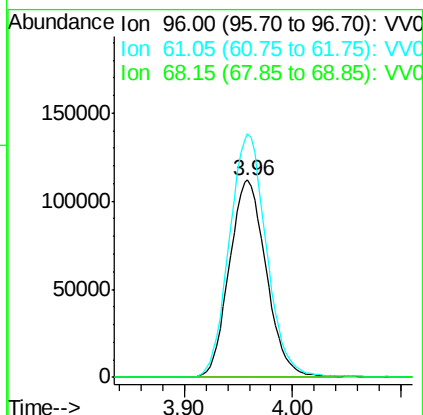
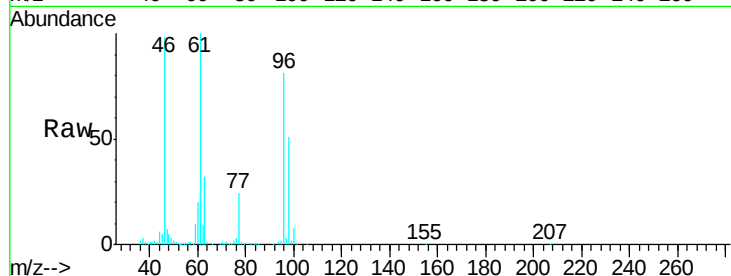


#22

cis-1,2-Dichloroethene
Concen: 9.059 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

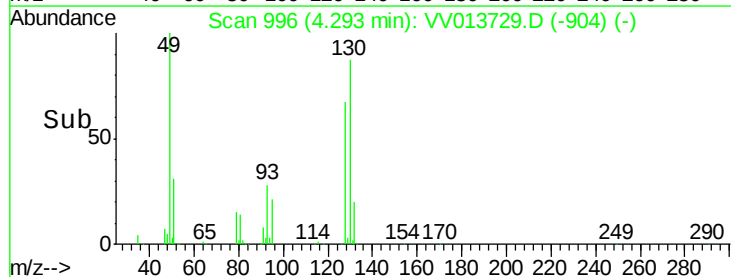
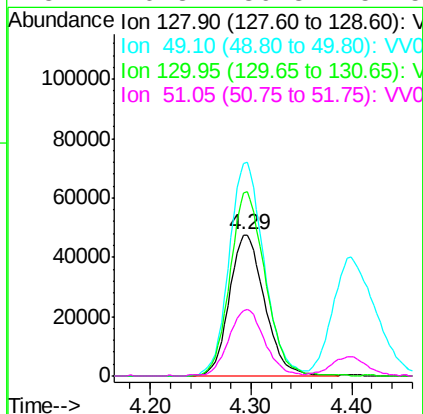
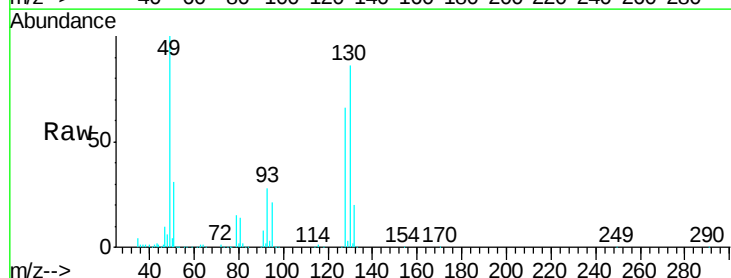
Tgt Ion: 96 Resp: 266975
Ion Ratio Lower Upper
96 100
61 123.5 86.1 159.9
68 0.0 0.0 0.0

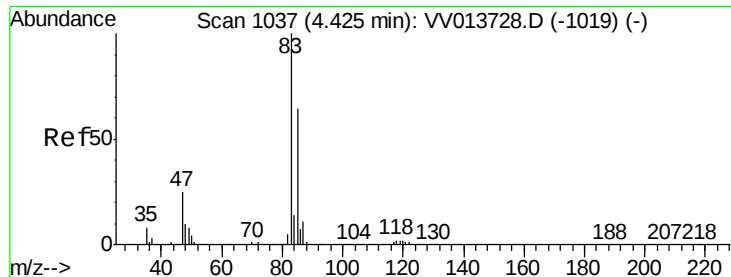


#23

Bromochloromethane
Concen: 8.541 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Tgt Ion: 128 Resp: 115966
Ion Ratio Lower Upper
128 100
49 150.5 100.1 185.9
130 129.8 89.0 165.4
51 46.3 36.3 54.5





#25

Chloroform

Concen: 6.983 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

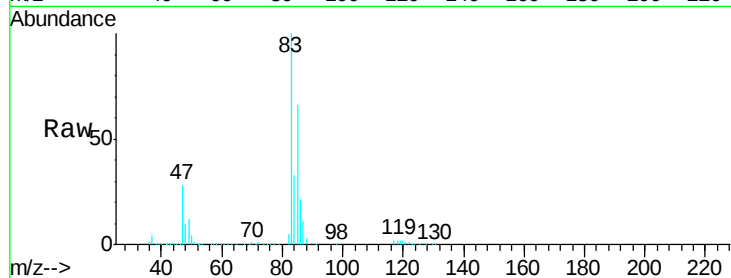
VSTD01035

Tgt Ion: 83 Resp: 476425

Ion Ratio Lower Upper

83 100

85 66.4 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013728.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV013729.D (-944) (-)

4.42

200000

150000

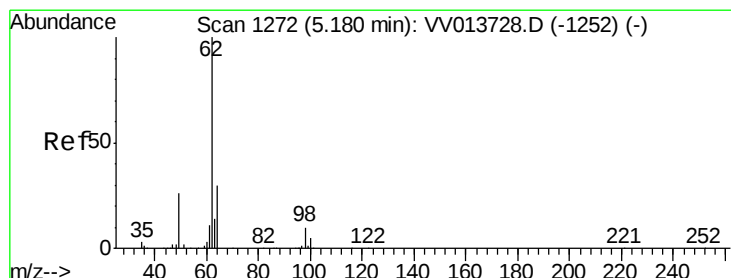
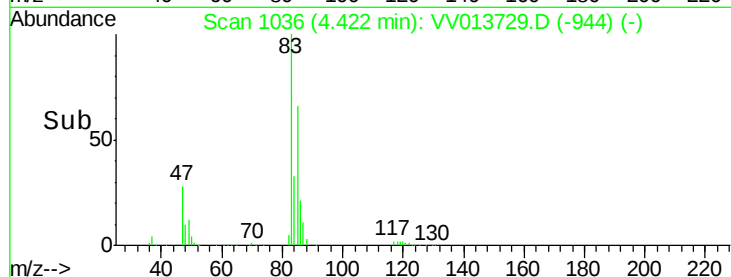
100000

50000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 9.092 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV013729.D

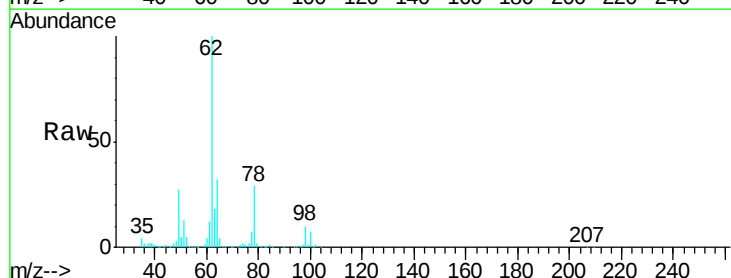
Acq: 22 Nov 2019 11:33

Tgt Ion: 62 Resp: 276439

Ion Ratio Lower Upper

62 100

98 10.4 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013728.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV013729.D (-1179) (-)

5.18

150000

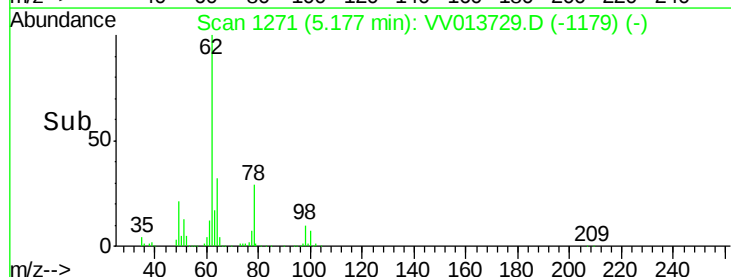
100000

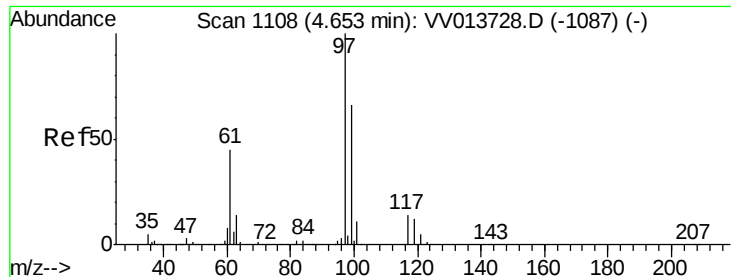
50000

0

5.10 5.20 5.30

Time-->

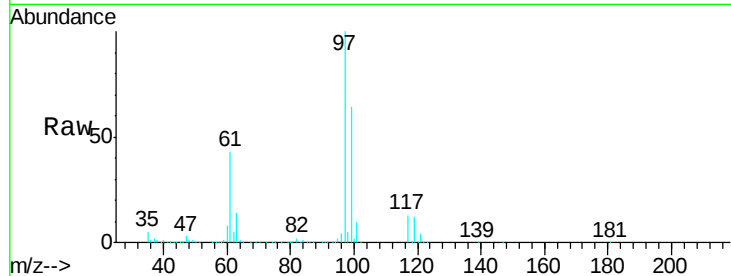




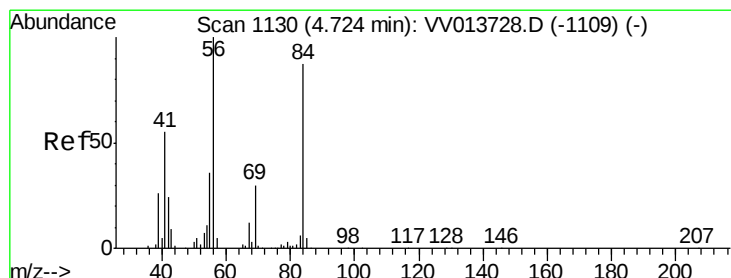
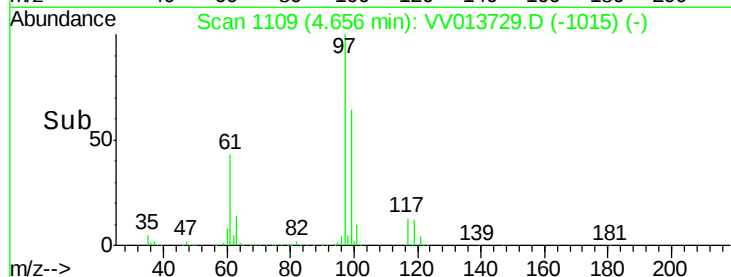
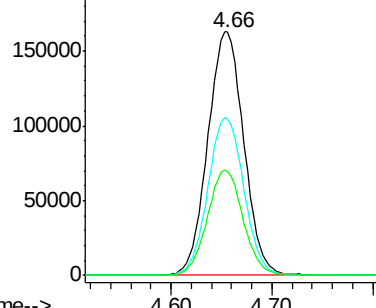
#29
 1,1,1-Trichloroethane
 Concen: 8.946 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

Tgt Ion: 97 Resp: 402378
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.7 77.5
 61 42.9 35.0 52.6

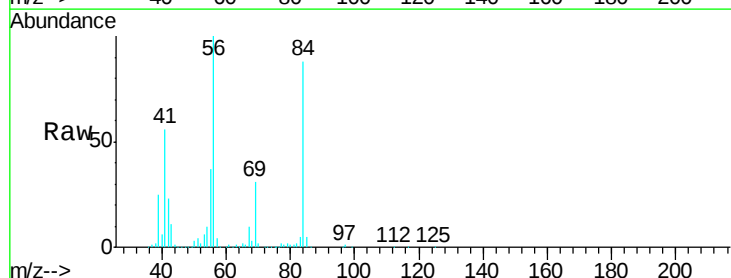


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

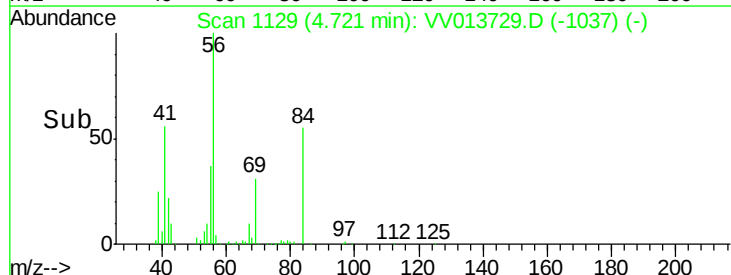
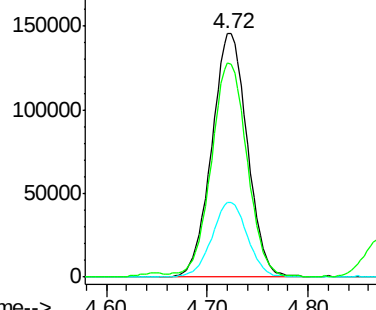


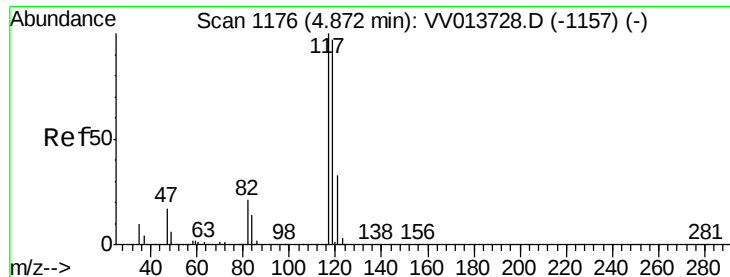
#30
 Cyclohexane
 Concen: 8.181 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

Tgt Ion: 56 Resp: 354073
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.1 36.1
 84 88.9 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

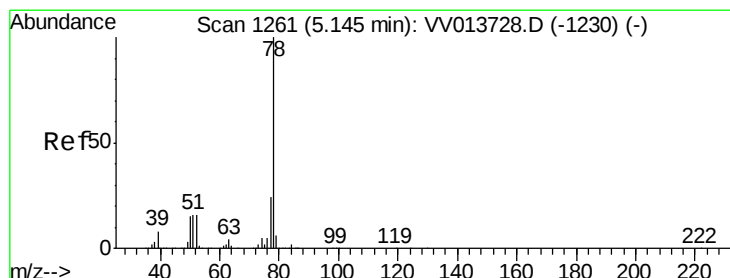
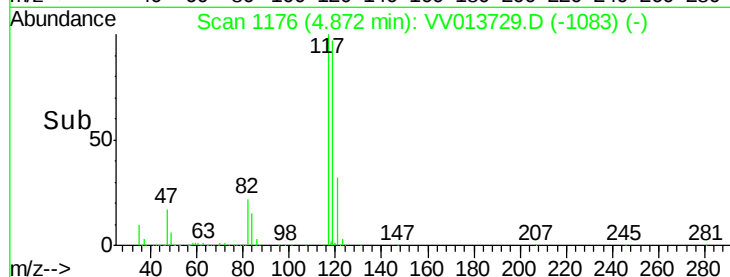
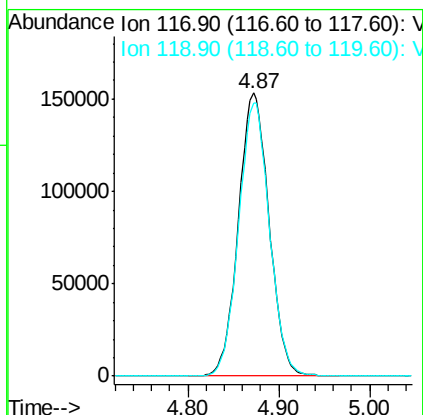
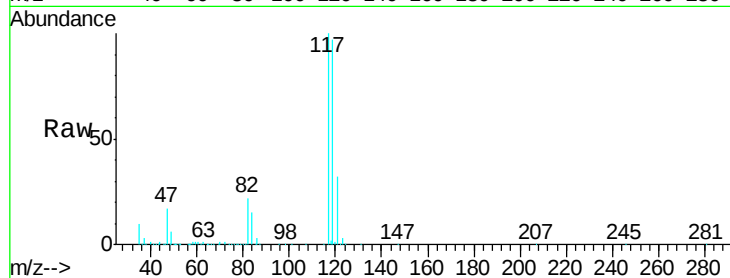




#31
Carbon tetrachloride
Concen: 8.904 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

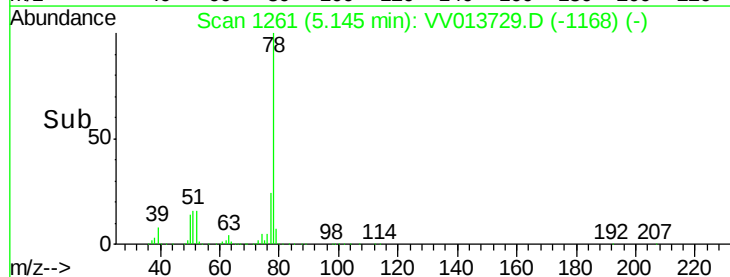
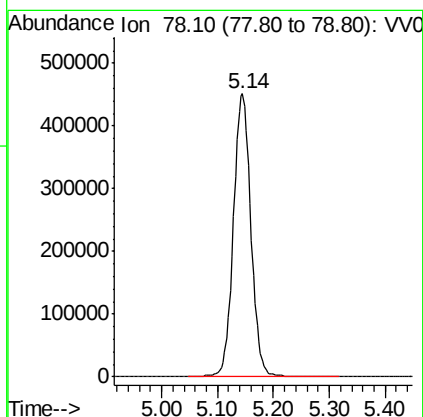
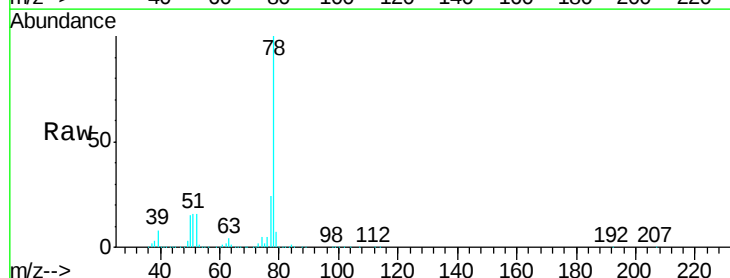
Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

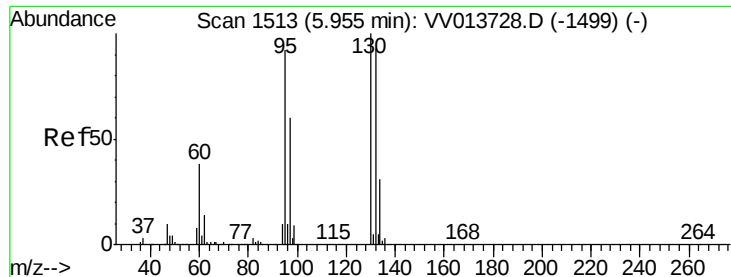
Tgt Ion:117 Resp: 358962
Ion Ratio Lower Upper
117 100
119 97.1 76.8 115.2



#33
Benzene
Concen: 8.860 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Tgt Ion: 78 Resp: 985764

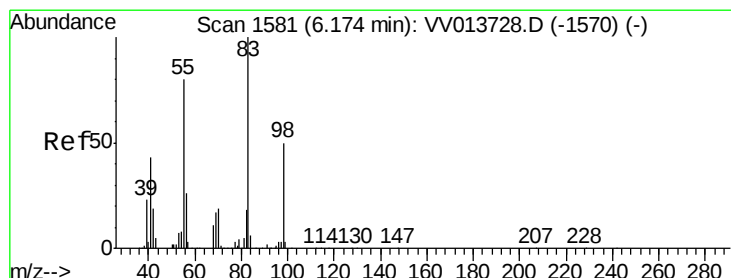
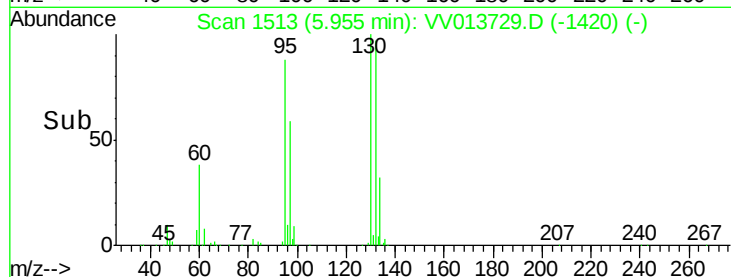
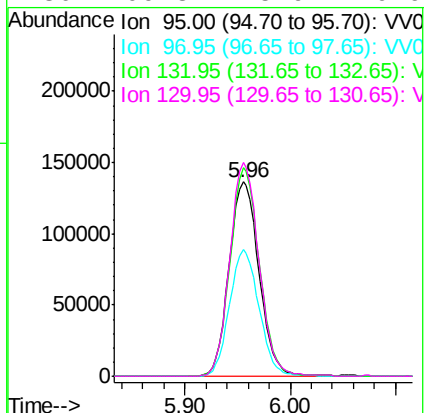
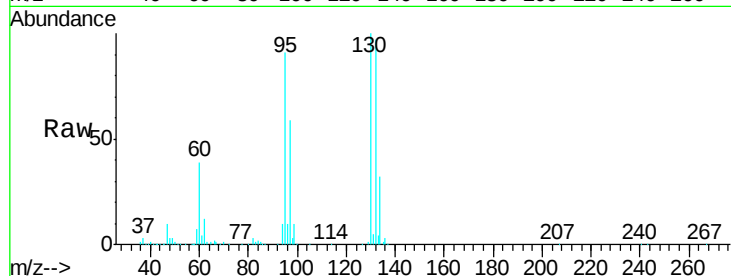




#34
 Trichloroethene
 Concen: 8.932 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

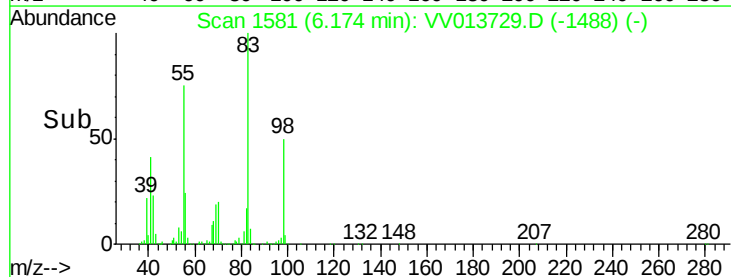
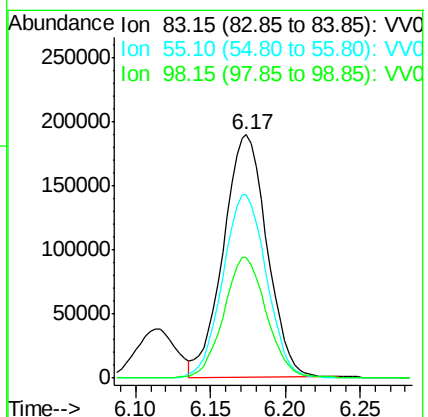
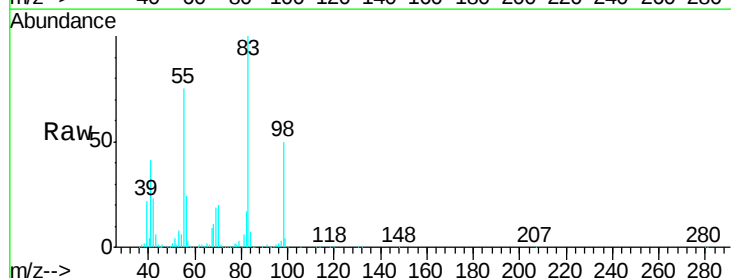
Instrument :
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 ClientSampleId :
 VSTD01035

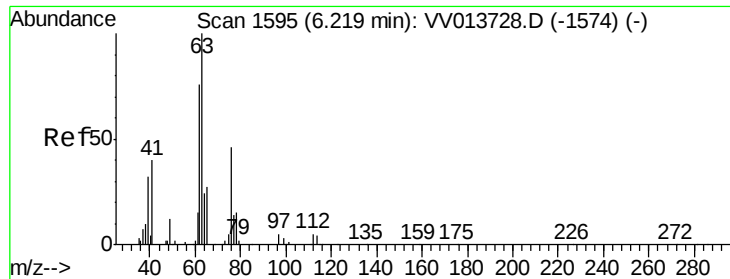
Tgt Ion: 95 Resp: 268627
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.6 84.8
 132 107.0 70.5 130.9
 130 109.8 75.9 140.9



#35
 Methylcyclohexane
 Concen: 8.560 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

Tgt Ion: 83 Resp: 383420
 Ion Ratio Lower Upper
 83 100
 55 75.8 60.3 90.5
 98 48.9 38.1 57.1

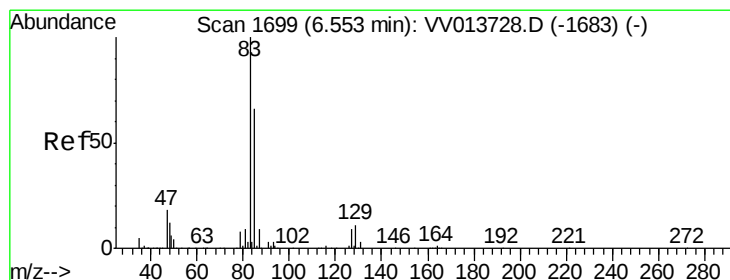
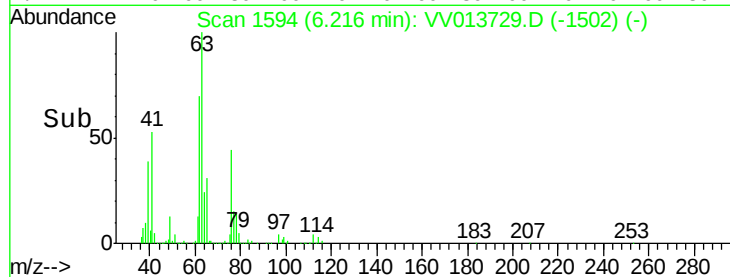
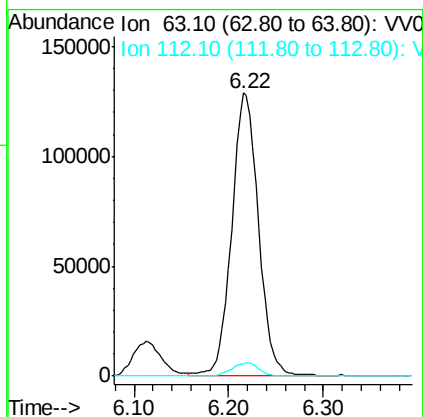
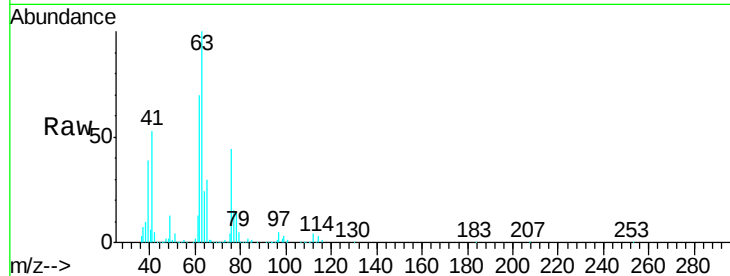




#37
 1,2-Dichloropropane
 Concen: 9.427 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

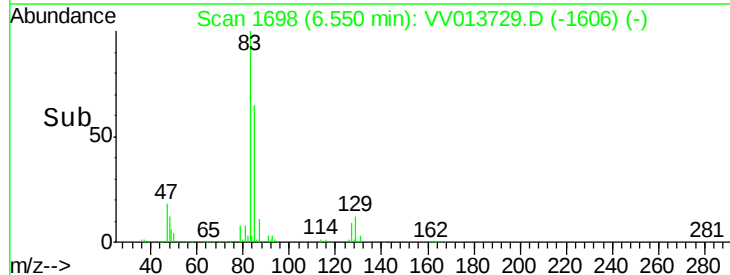
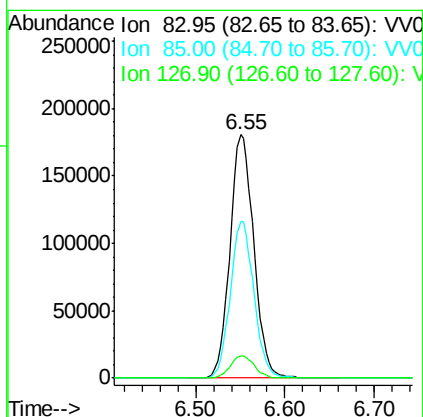
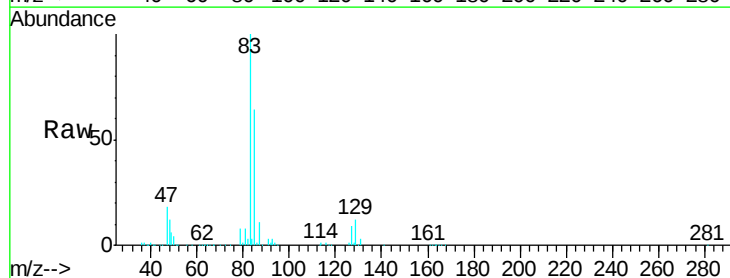
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01035

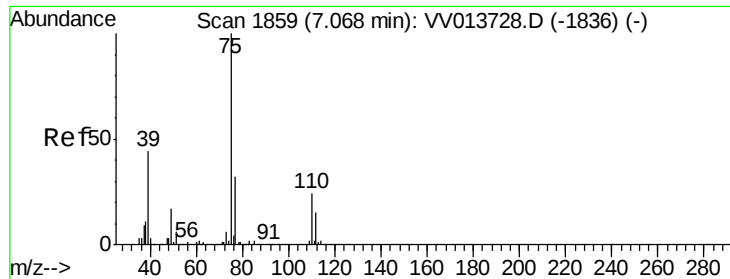
Tgt Ion: 63 Resp: 252441
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.4 6.6



#38
 Bromodichloromethane
 Concen: 8.902 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

Tgt Ion: 83 Resp: 334130
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.1 85.5
 127 9.1 7.5 11.3



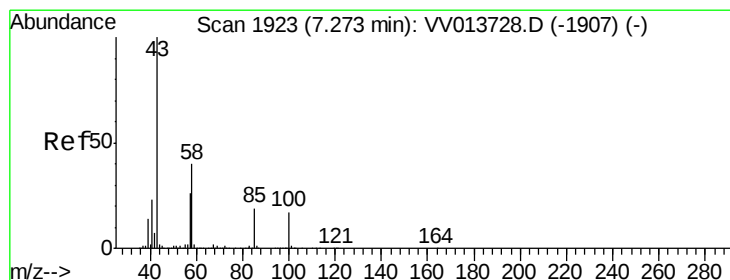
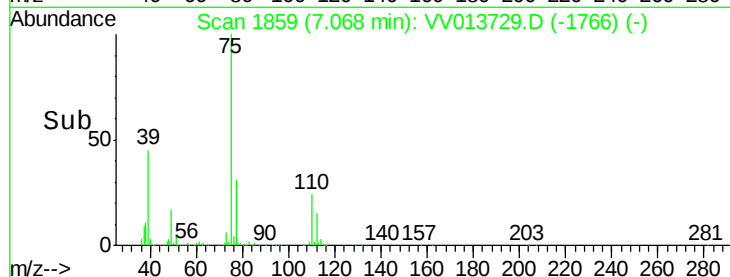
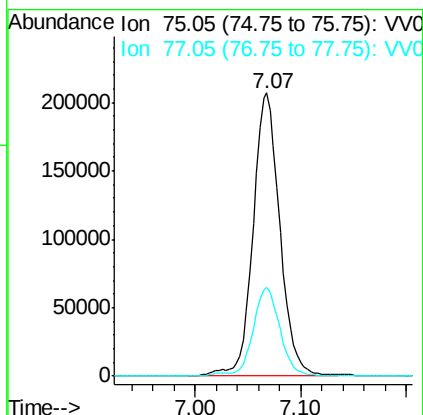
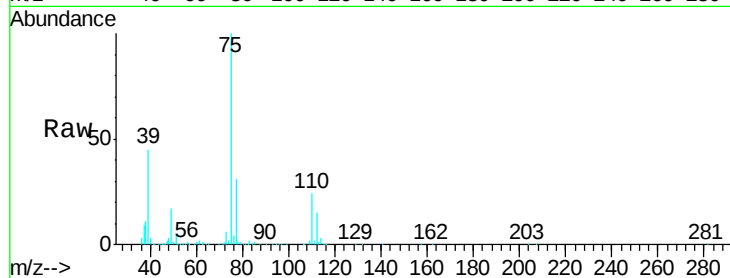


#39

cis-1,3-Dichloropropene
Concen: 9.541 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

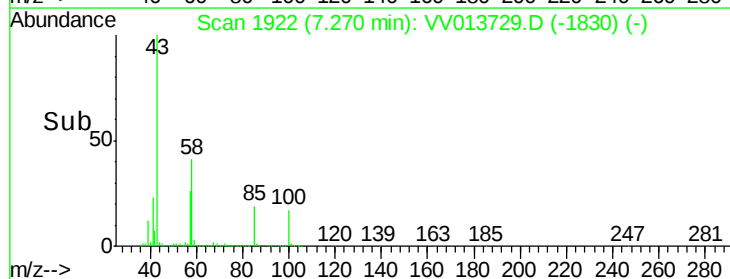
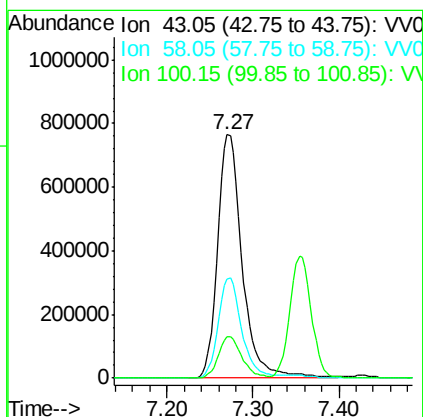
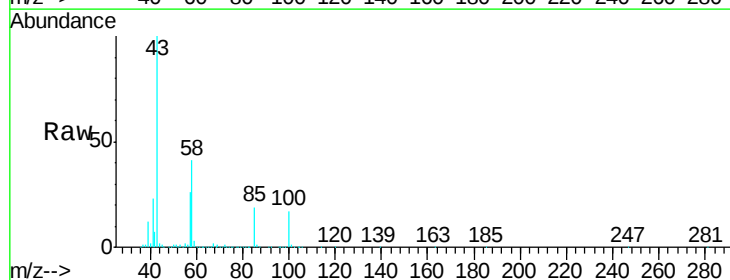
Tgt Ion: 75 Resp: 367598
Ion Ratio Lower Upper
75 100
77 31.2 22.5 41.9

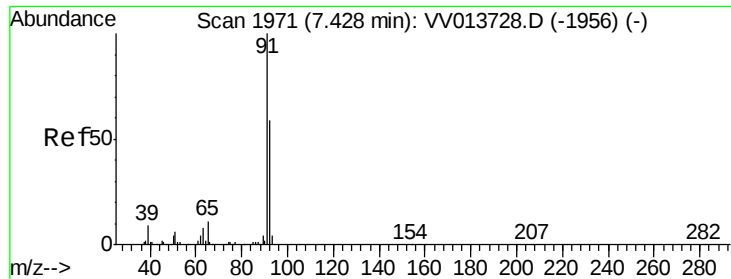


#40

4-Methyl-2-pentanone
Concen: 97.126 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Tgt Ion: 43 Resp: 1527916
Ion Ratio Lower Upper
43 100
58 39.4 32.3 48.5
100 16.2 12.7 19.1





#42

Toluene

Concen: 9.155 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

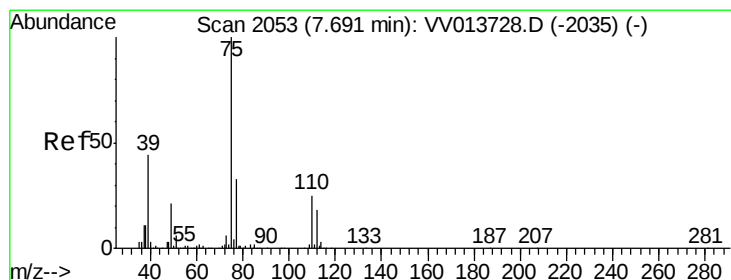
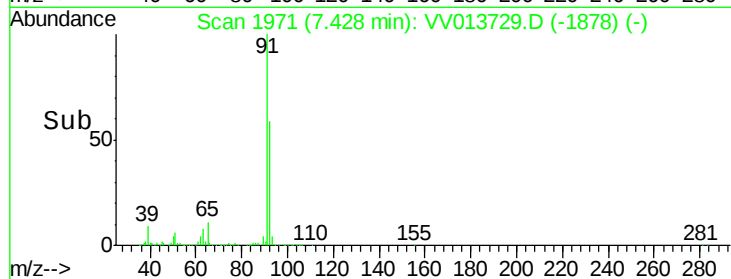
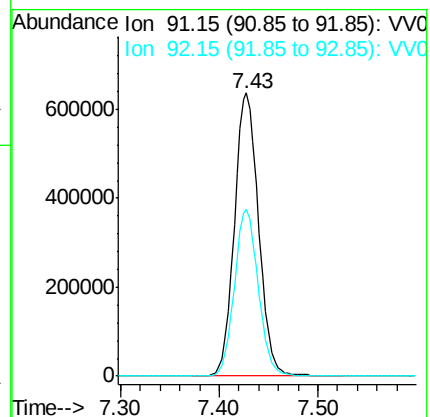
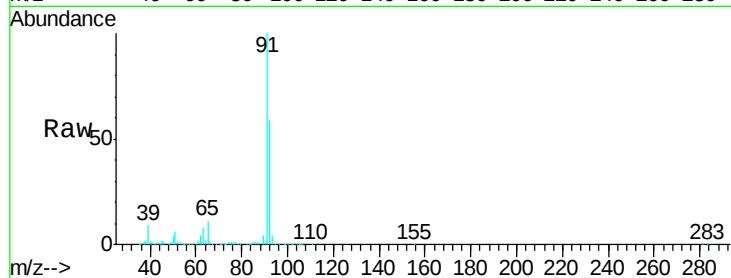
VSTD01035

Tgt Ion: 91 Resp: 1089038

Ion Ratio Lower Upper

91 100

92 58.8 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 9.208 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013729.D

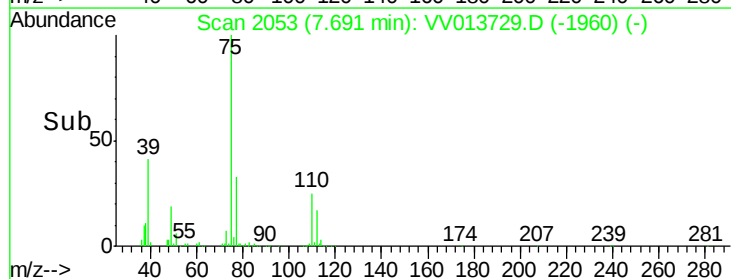
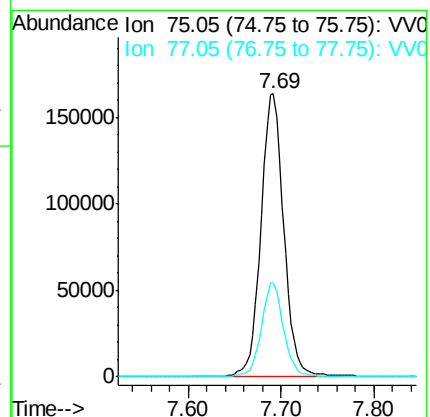
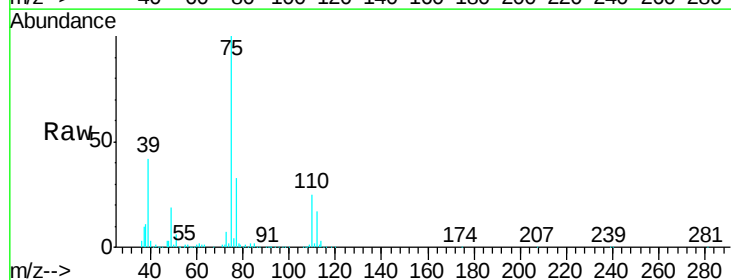
Acq: 22 Nov 2019 11:33

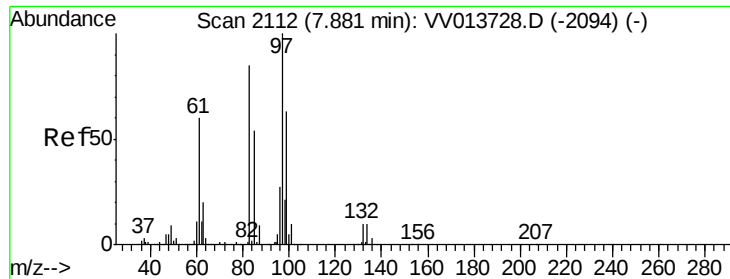
Tgt Ion: 75 Resp: 280598

Ion Ratio Lower Upper

75 100

77 33.1 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 9.202 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

Tgt Ion: 97 Resp: 178870

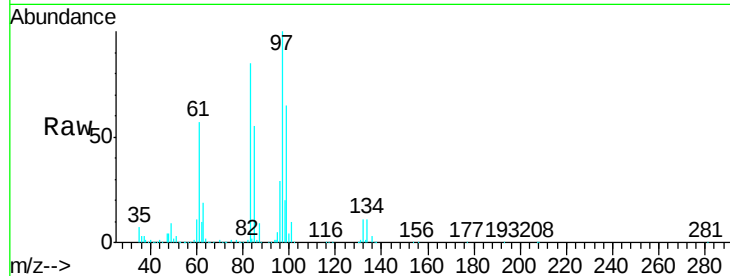
Ion Ratio Lower Upper

97 100

99 65.4 44.2 82.0

83 85.4 59.7 110.9

85 54.9 38.3 71.1

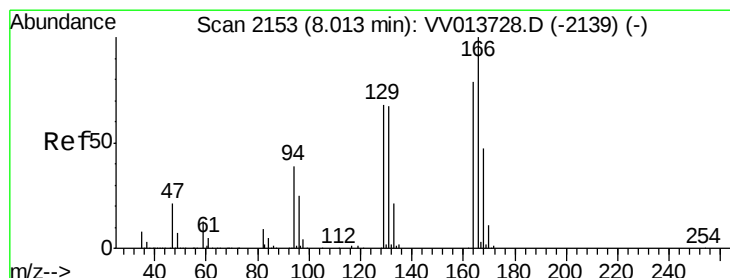
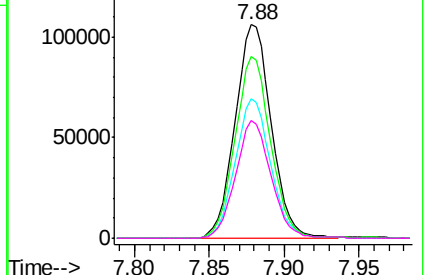
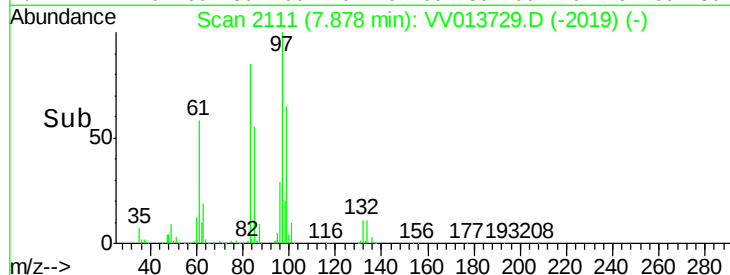


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 8.396 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Tgt Ion: 164 Resp: 231287

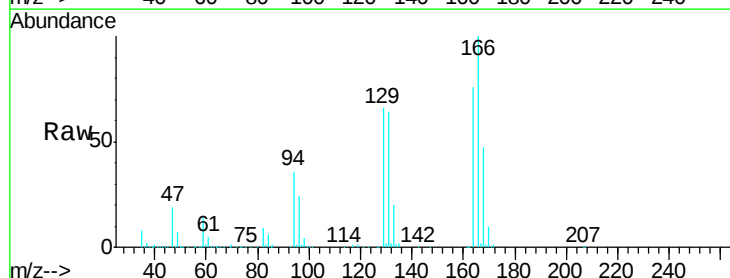
Ion Ratio Lower Upper

164 100

129 86.8 60.3 112.1

131 84.1 59.9 111.3

166 132.4 89.1 165.5

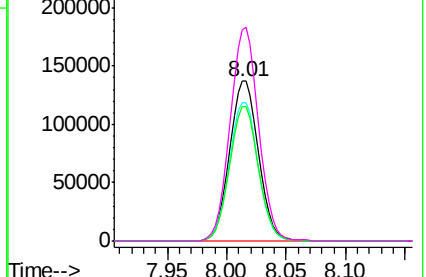
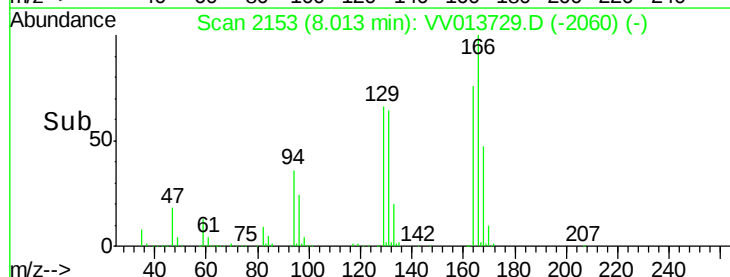


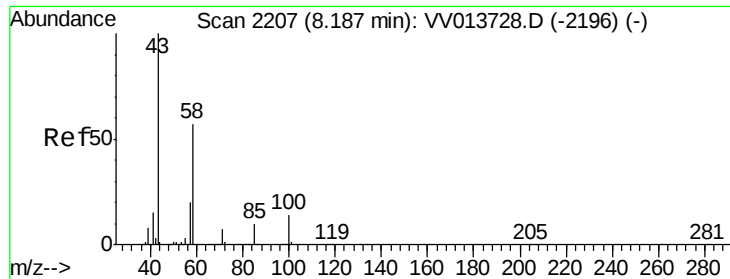
Abundance Ion 163.90 (163.60 to 164.60): V

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

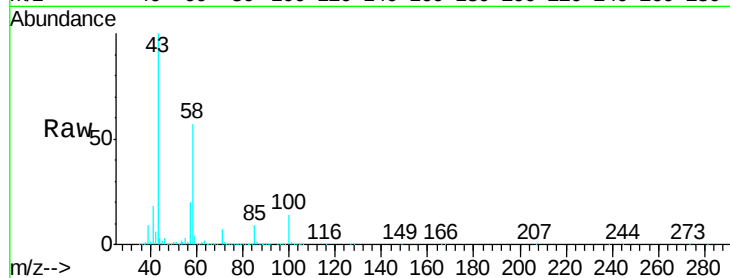




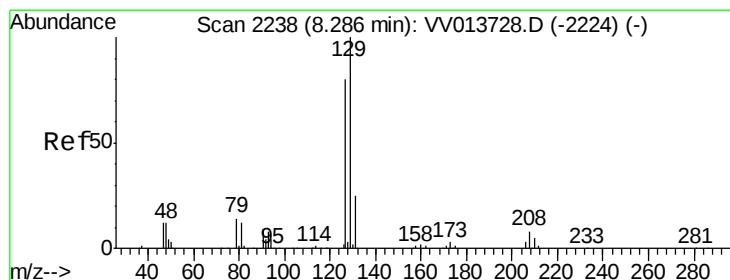
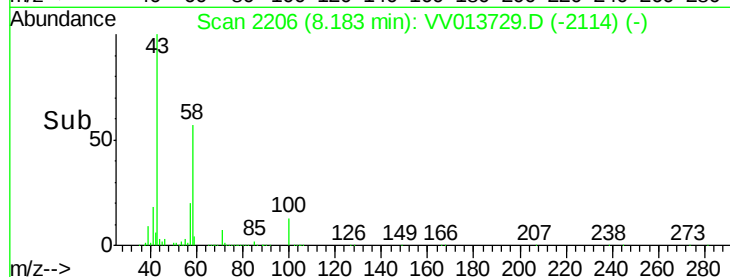
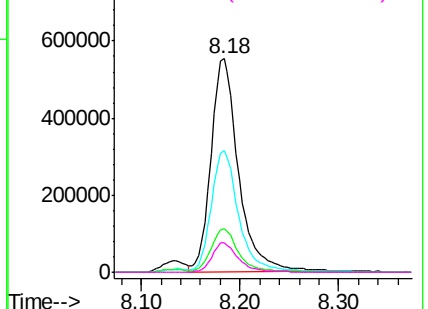
#48
2-Hexanone
Concen: 95.407 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

Tgt Ion: 43 Resp: 1070538
Ion Ratio Lower Upper
43 100
58 56.5 43.2 64.8
57 20.2 15.4 23.2
100 13.6 10.4 15.6

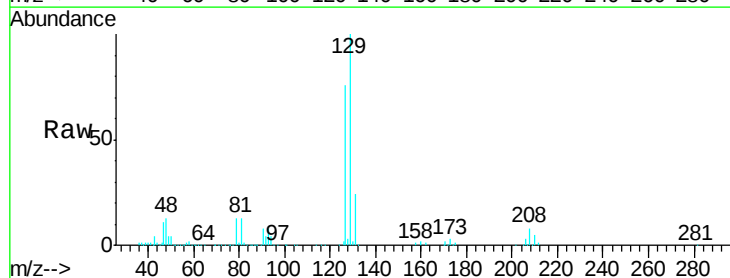


Abundance Ion 43.05 (42.75 to 43.75): VV013729.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV013729.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV013729.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV013729.D (-2114) (-)

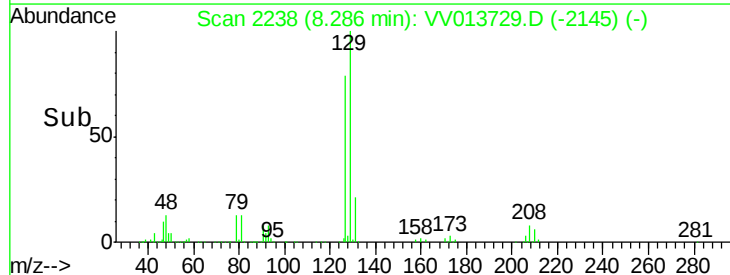
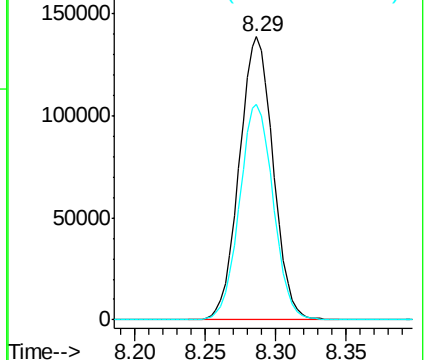


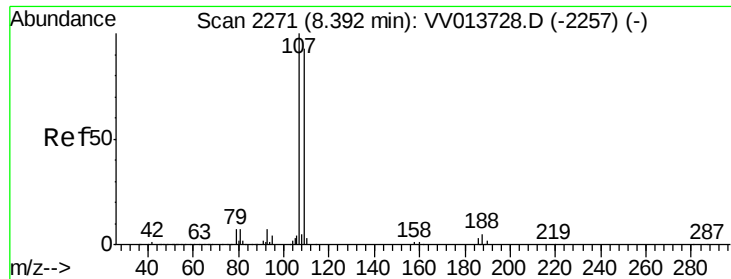
#49
Dibromochloromethane
Concen: 9.425 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Tgt Ion: 129 Resp: 233832
Ion Ratio Lower Upper
129 100
127 76.3 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): VV013729.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013729.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 8.799 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

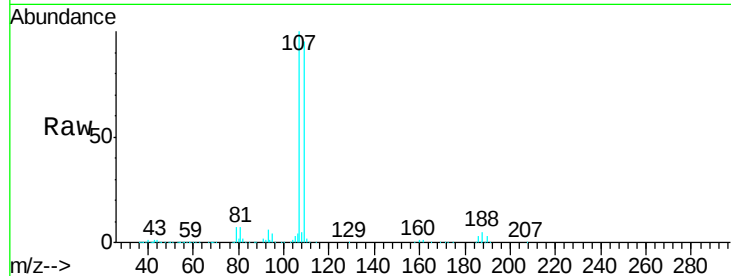
Tgt Ion:107 Resp: 163310

Ion Ratio Lower Upper

107 100

109 95.5 65.2 121.0

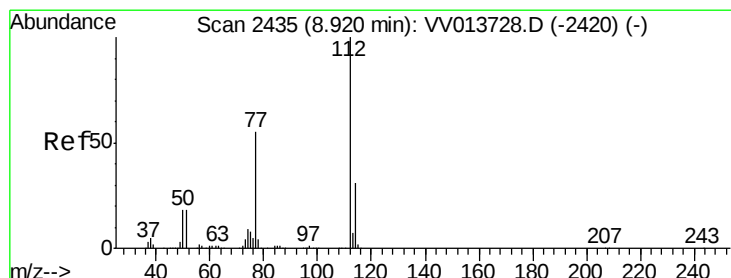
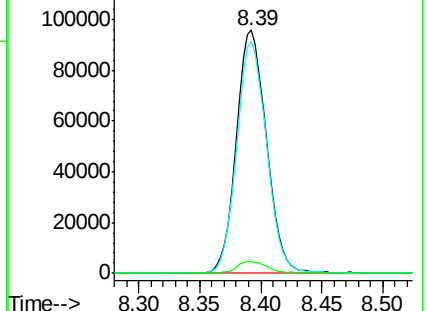
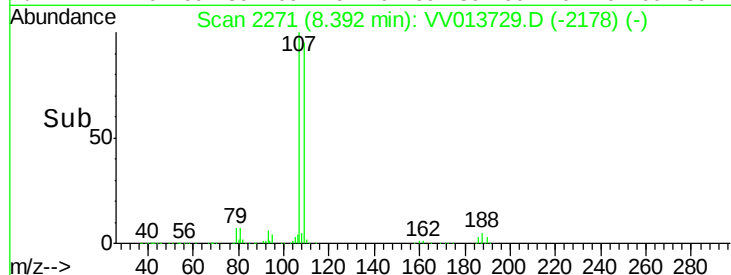
188 4.8 4.2 6.2



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: 9.091 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

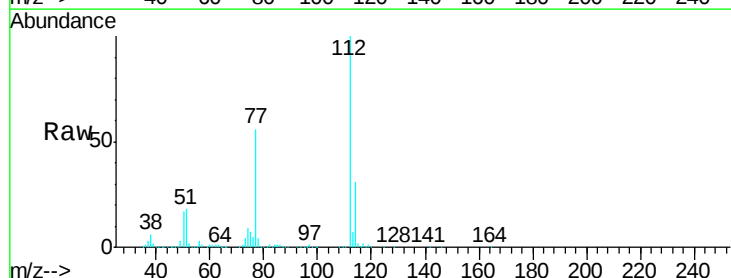
Tgt Ion:112 Resp: 724276

Ion Ratio Lower Upper

112 100

114 31.4 21.8 40.6

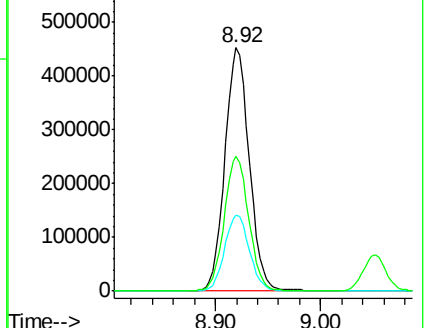
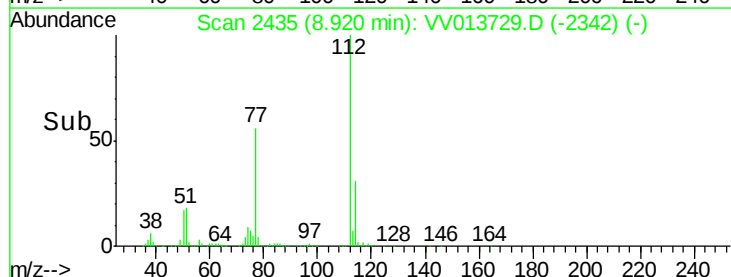
77 55.6 44.2 66.4

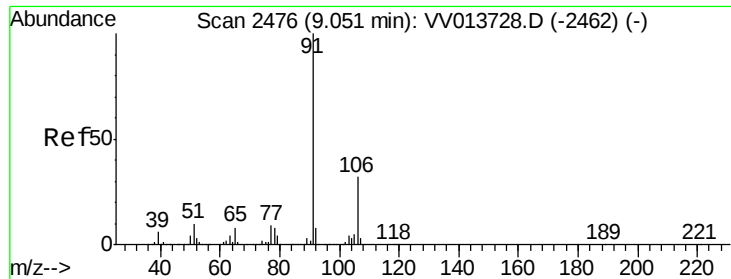


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

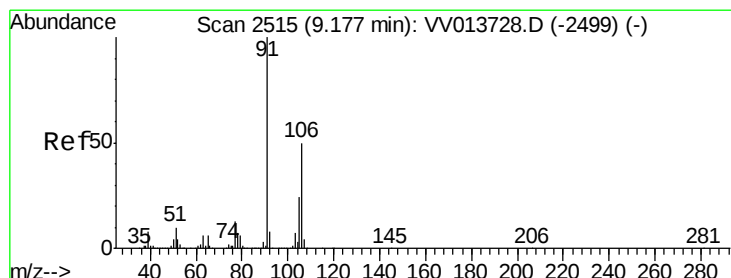
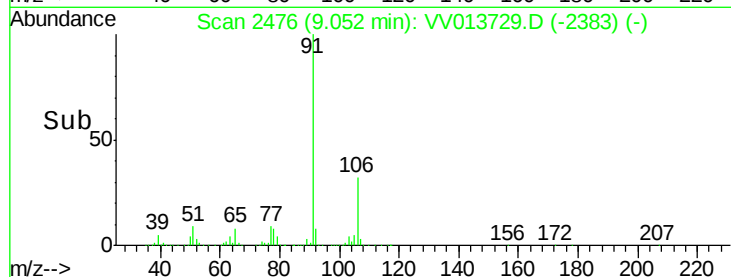
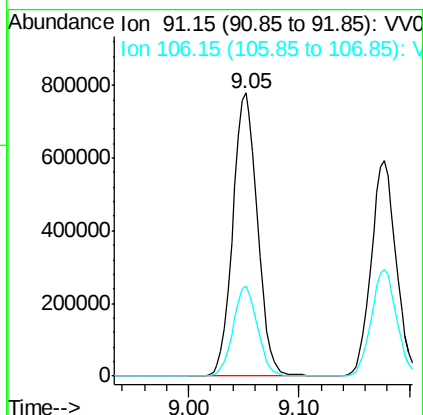
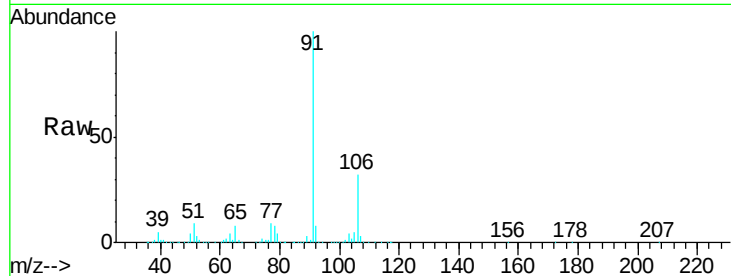




#52
Ethylbenzene
Concen: 9.456 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

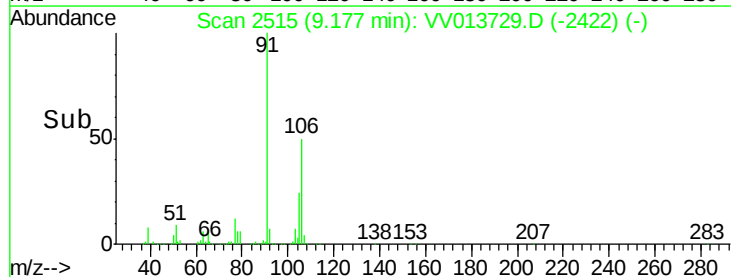
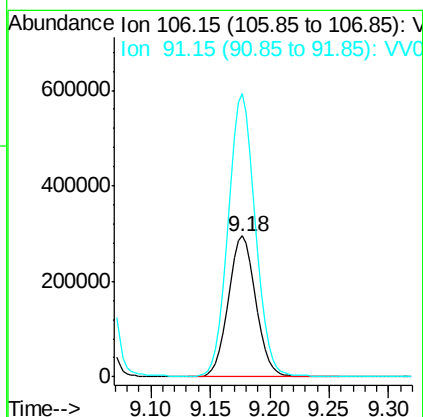
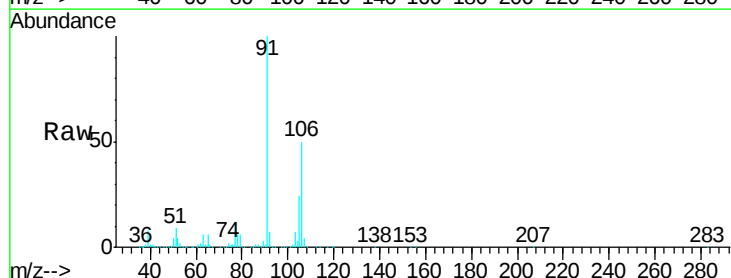
Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

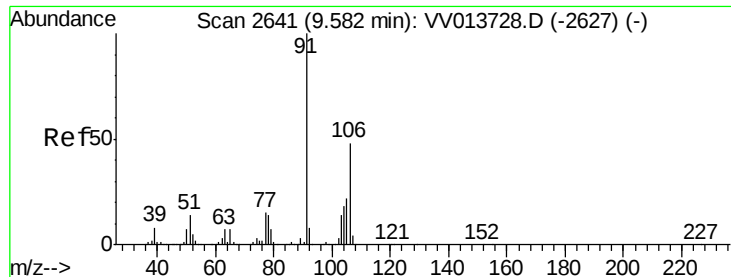
Tgt Ion: 91 Resp: 1206381
Ion Ratio Lower Upper
91 100
106 31.8 22.1 41.1



#53
m,p-xylene
Concen: 9.814 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013729.D
Acq: 22 Nov 2019 11:33

Tgt Ion: 106 Resp: 469244
Ion Ratio Lower Upper
106 100
91 201.2 139.9 259.9





#54

o-xylene

Concen: 9.906 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

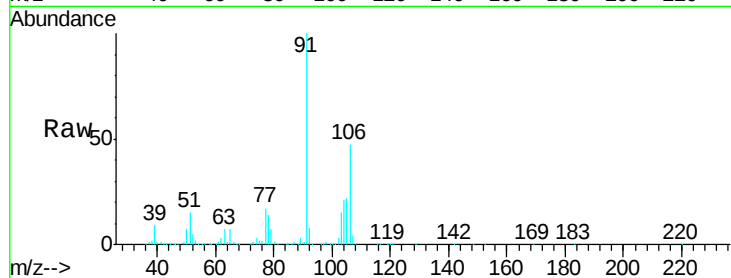
VSTD01035

Tgt Ion:106 Resp: 459531

Ion Ratio Lower Upper

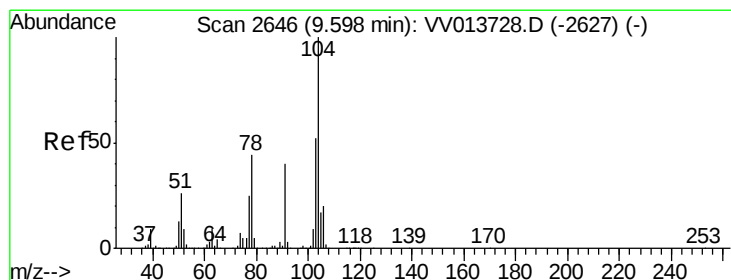
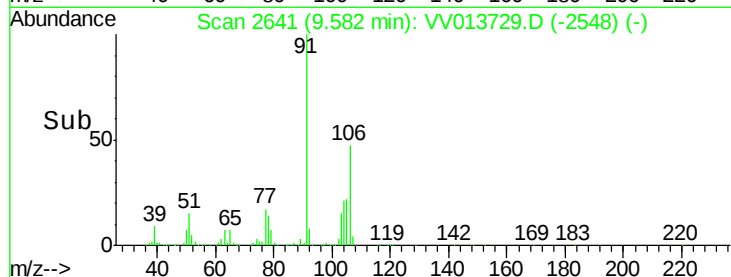
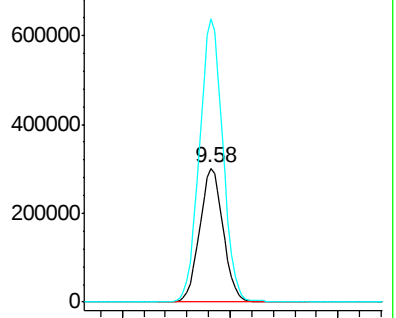
106 100

91 211.4 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.316 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013729.D

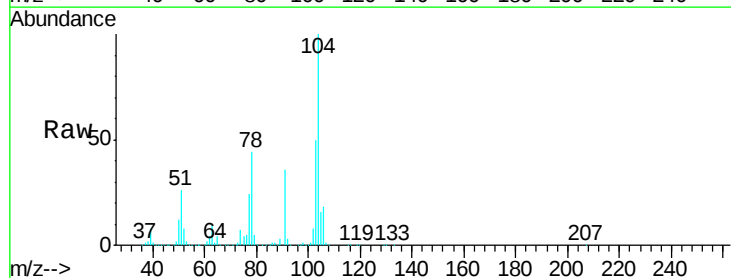
Acq: 22 Nov 2019 11:33

Tgt Ion:104 Resp: 811194

Ion Ratio Lower Upper

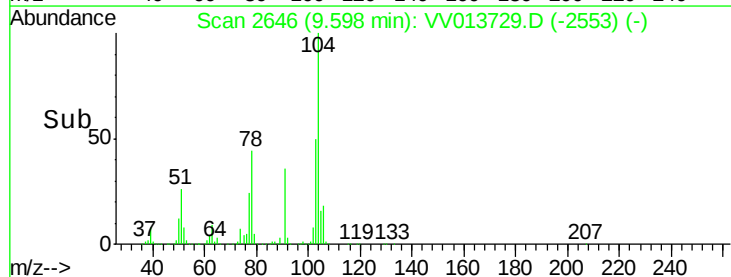
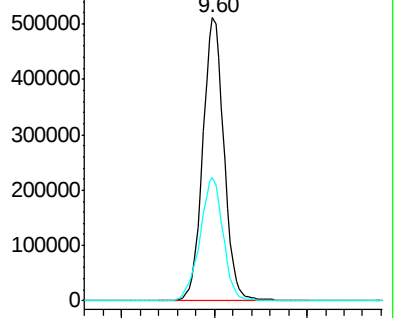
104 100

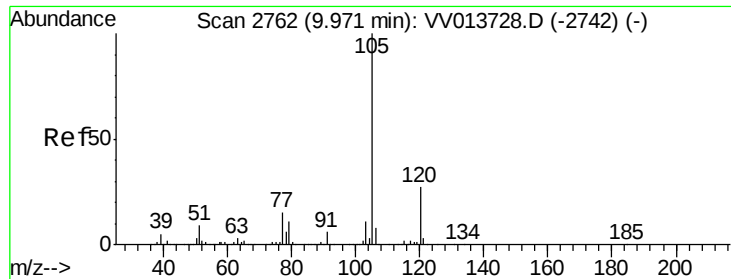
78 43.7 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.183 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

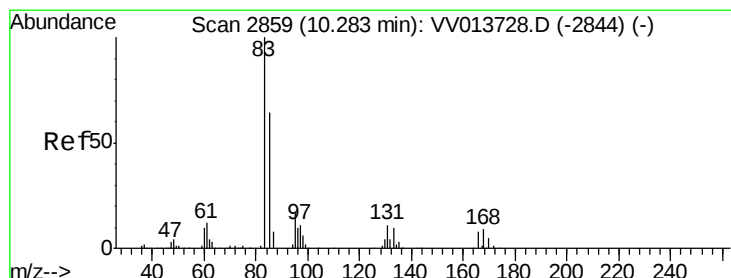
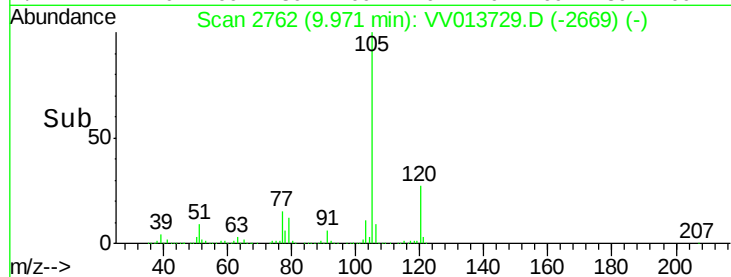
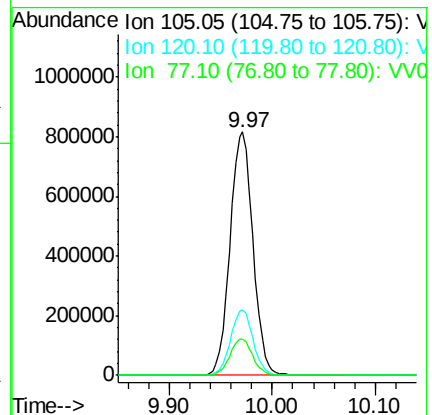
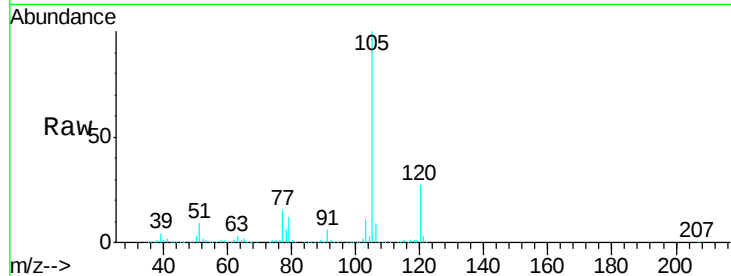
Tgt Ion:105 Resp: 1262989

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

77 14.8 12.1 18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 9.198 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

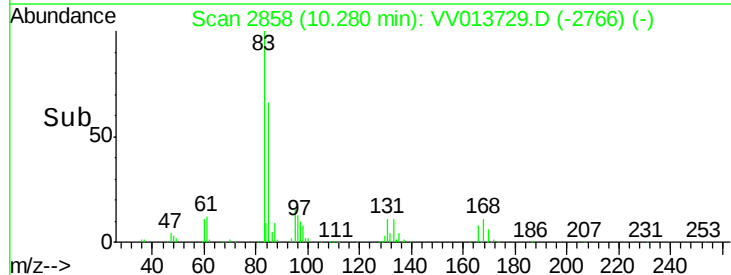
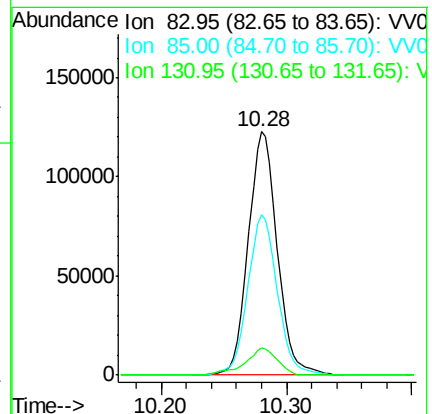
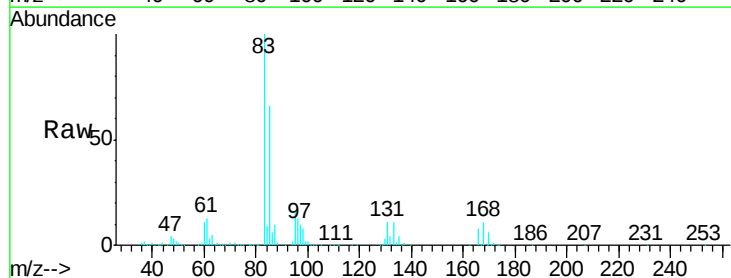
Tgt Ion: 83 Resp: 197733

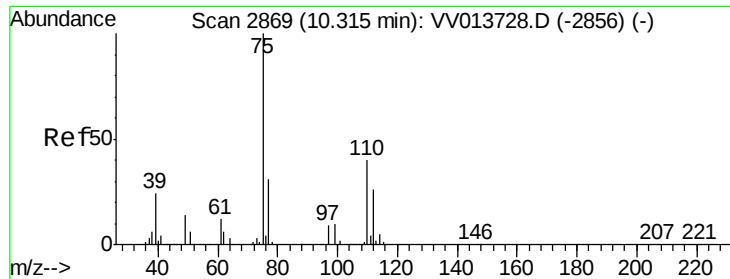
Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.7

131 11.3 9.3 13.9





#59

1,2,3-Trichloropropane

Concen: 8.998 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

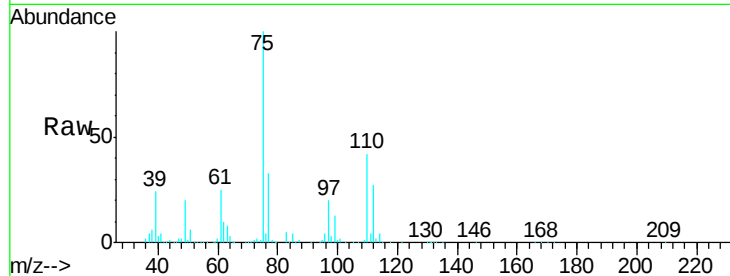
VSTD01035

Tgt Ion: 75 Resp: 151228

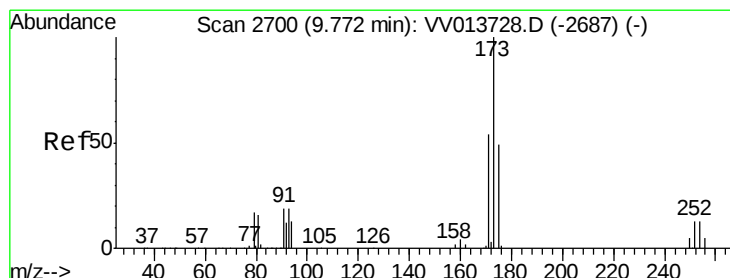
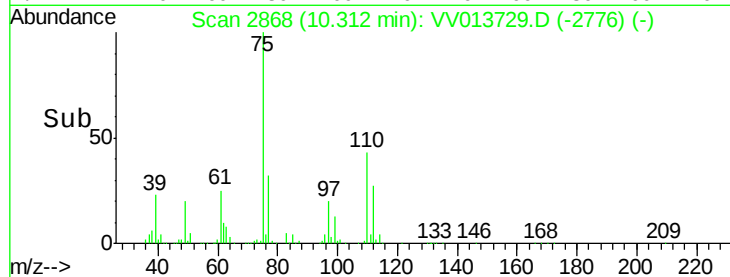
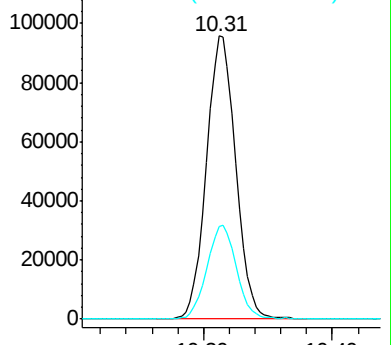
Ion Ratio Lower Upper

75 100

77 33.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013728.D (-2856) (-)



#61

Bromoform

Concen: 8.952 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

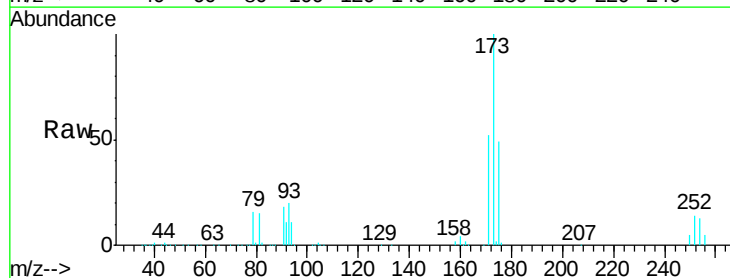
Tgt Ion: 173 Resp: 139486

Ion Ratio Lower Upper

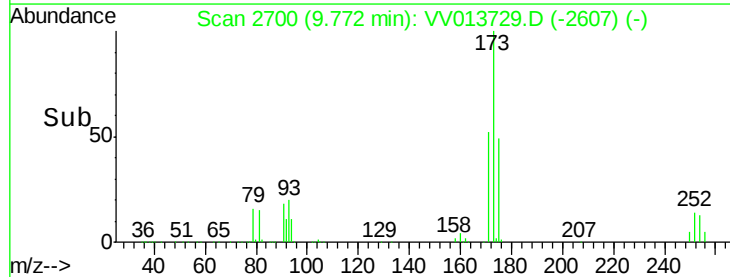
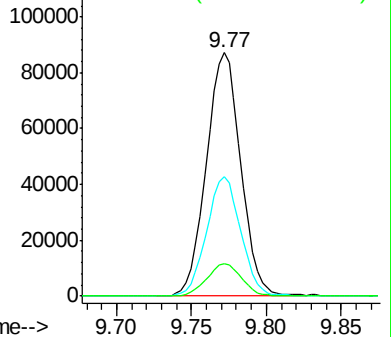
173 100

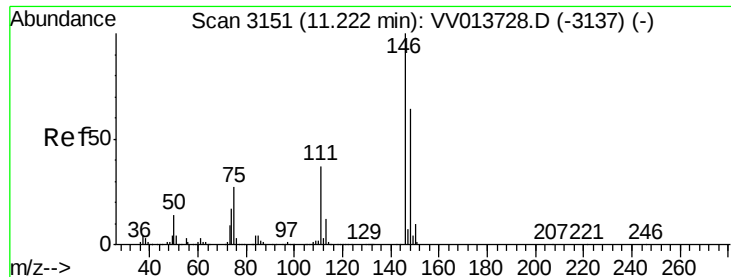
175 48.6 39.1 58.7

254 13.4 10.4 15.6



Abundance Ion 172.90 (172.60 to 173.60): VV013728.D (-2687) (-)





#62

1,3-Dichlorobenzene

Concen: 9.318 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

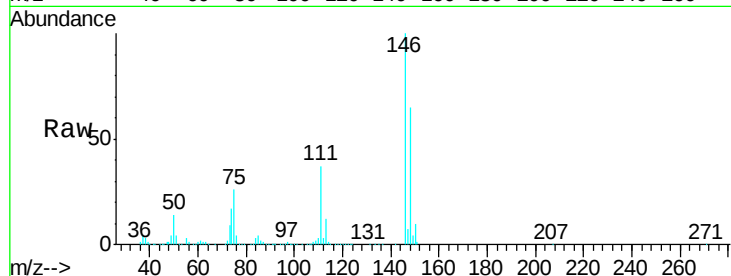
Tgt Ion:146 Resp: 654880

Ion Ratio Lower Upper

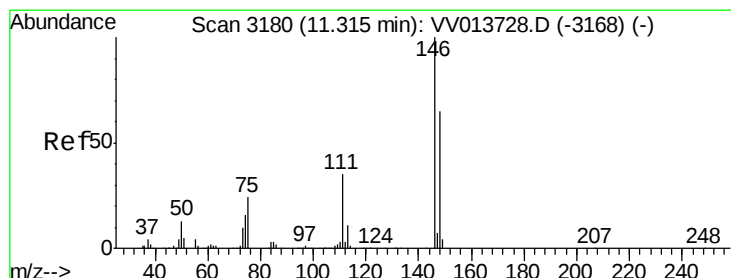
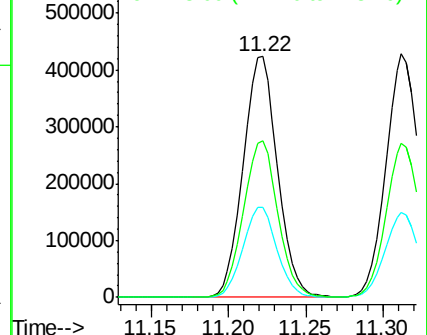
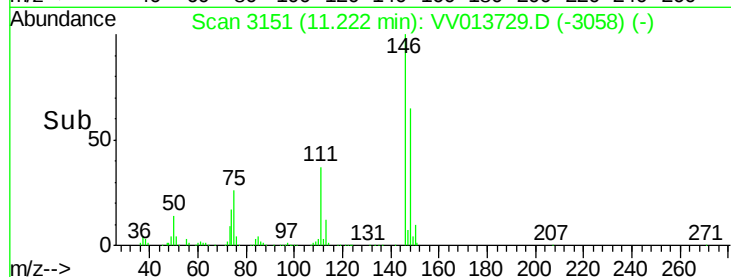
146 100

111 37.1 25.6 47.6

148 65.2 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: 9.118 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

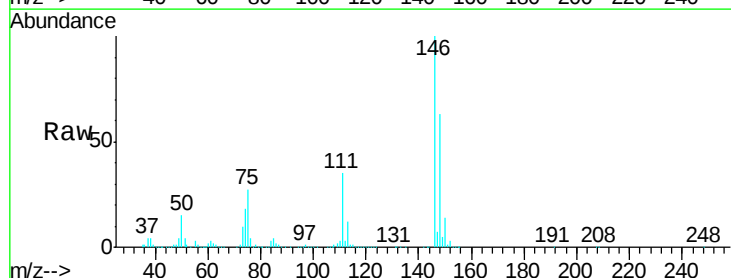
Tgt Ion:146 Resp: 650171

Ion Ratio Lower Upper

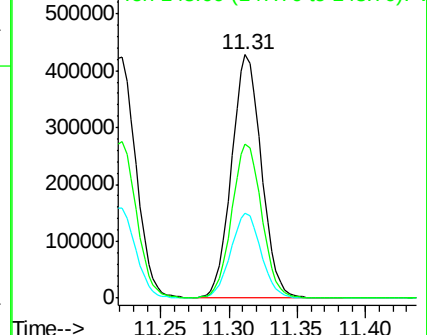
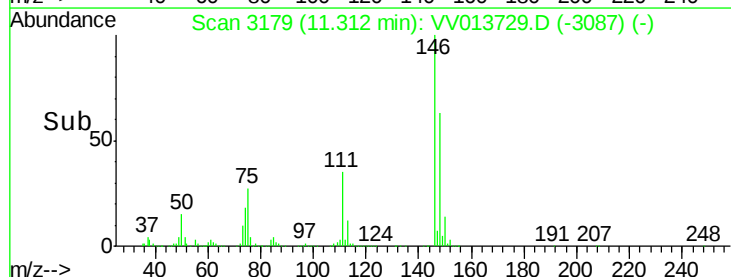
146 100

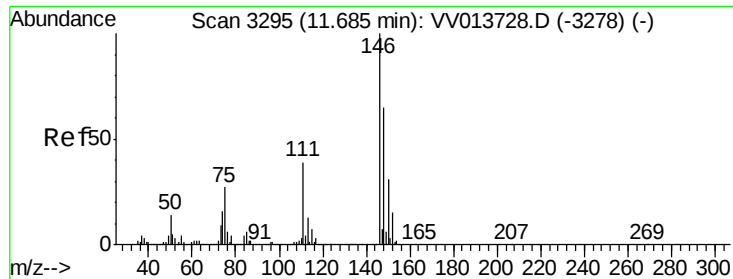
111 35.1 25.0 46.4

148 63.1 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

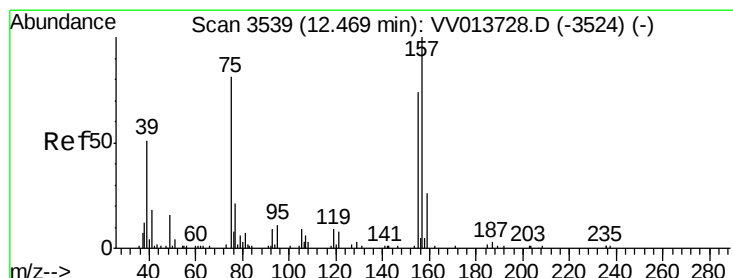
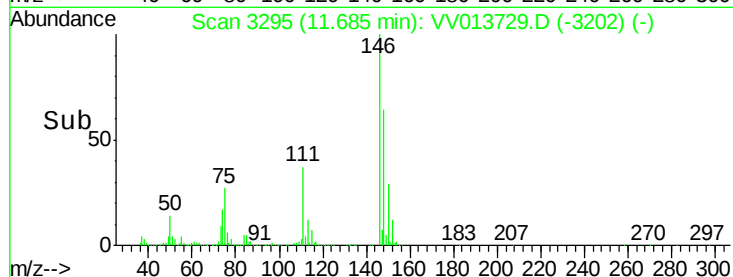
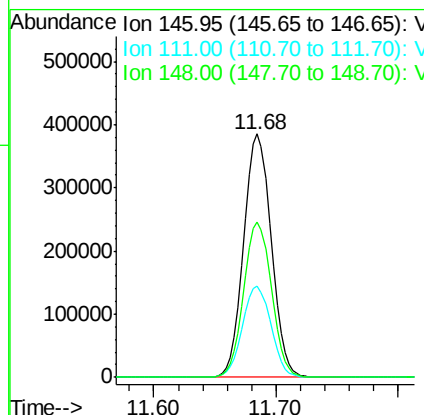
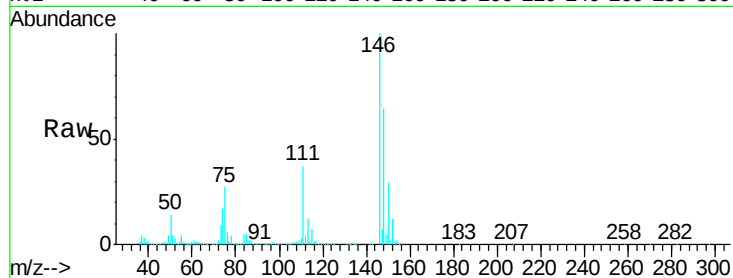




#65
 1,2-Dichlorobenzene
 Concen: 9.182 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

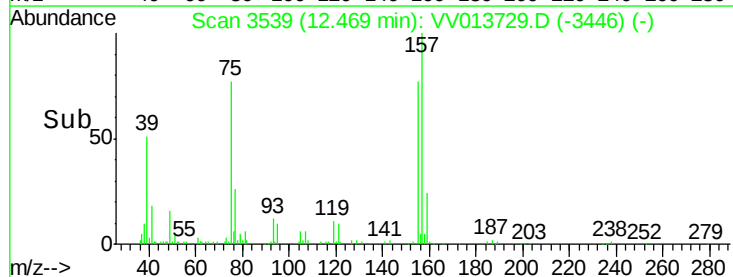
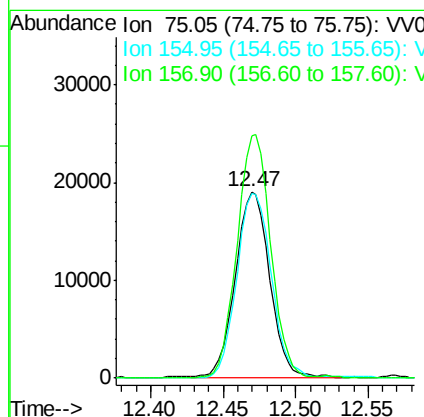
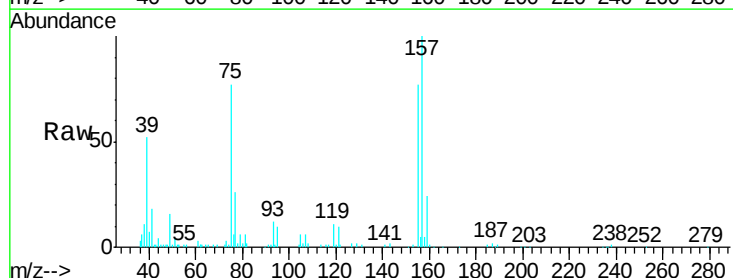
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

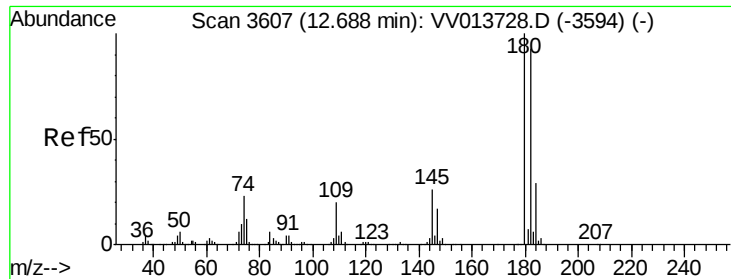
Tgt Ion: 146 Resp: 600058
 Ion Ratio Lower Upper
 146 100
 111 37.3 31.3 46.9
 148 63.8 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.103 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

Tgt Ion: 75 Resp: 31629
 Ion Ratio Lower Upper
 75 100
 155 99.4 73.4 110.0
 157 129.9 98.7 148.1

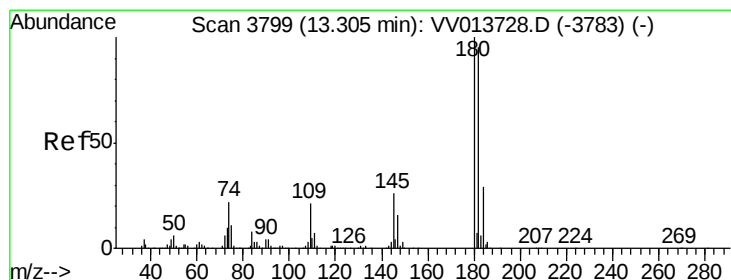
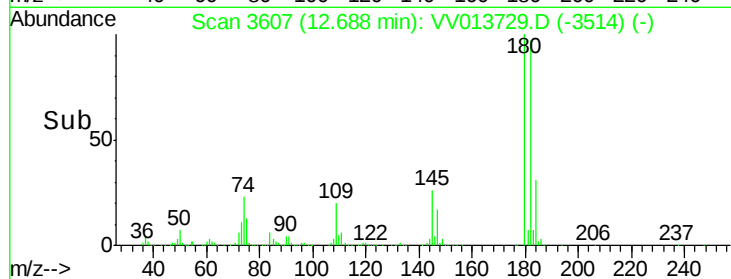
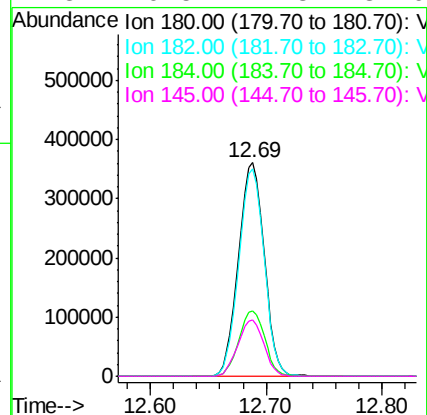
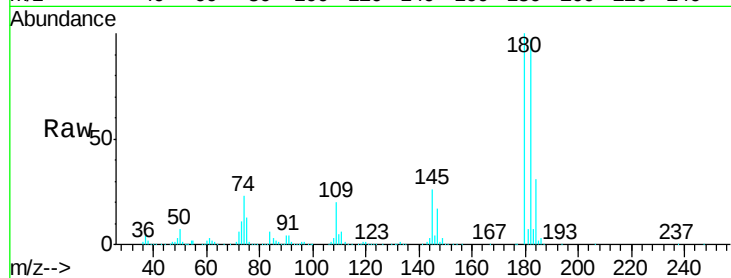




#67
 1,3,5-Trichlorobenzene
 Concen: 9.408 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

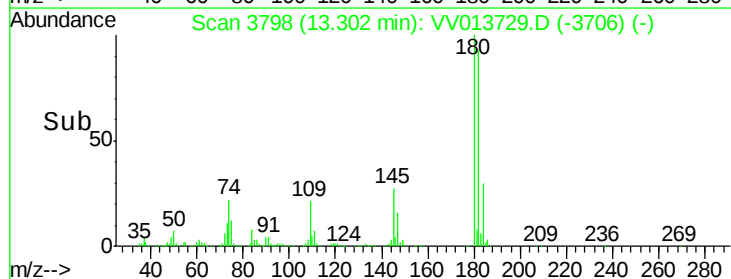
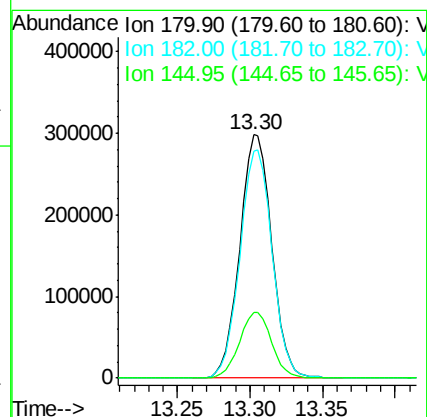
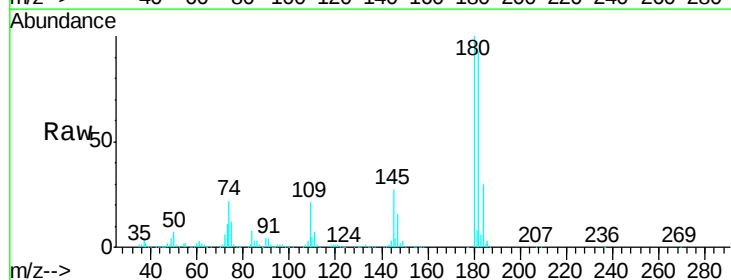
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

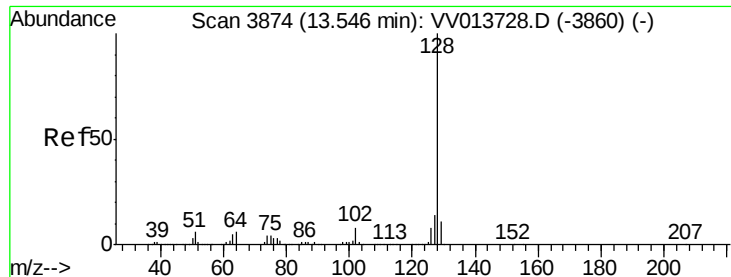
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	74.8	112.2
184	30.8	23.2	34.8
145	26.5	21.3	31.9



#68
 1,2,4-trichlorobenzene
 Concen: 9.452 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV013729.D
 Acq: 22 Nov 2019 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
145	27.1	21.0	31.6





#69

Naphthalene

Concen: 9.700 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

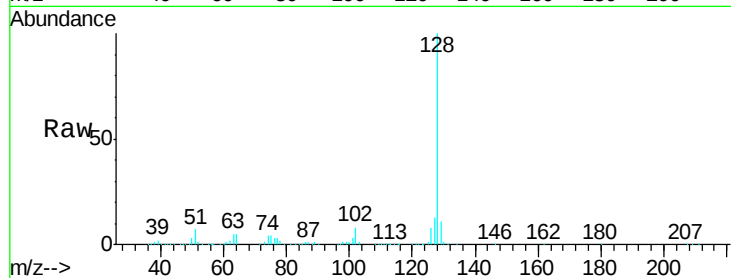
Tgt Ion:128 Resp: 638133

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

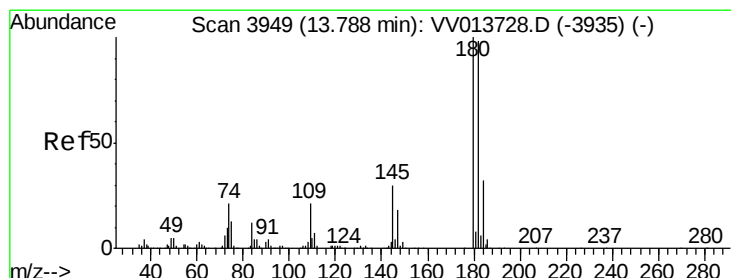
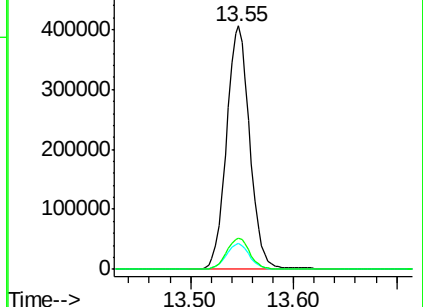
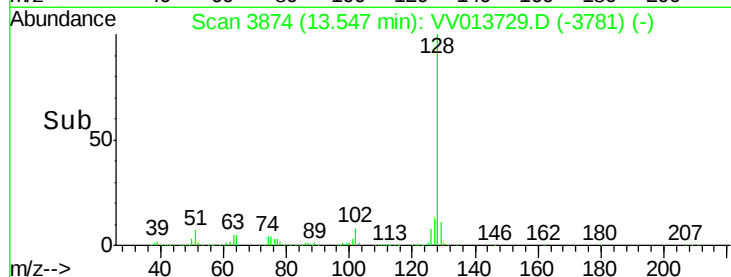
127 12.9 10.6 16.0



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: 9.747 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013729.D

Acq: 22 Nov 2019 11:33

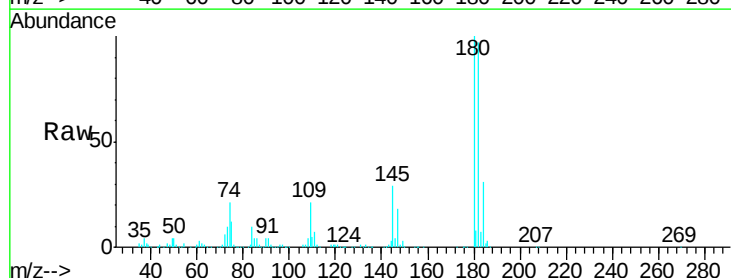
Tgt Ion:180 Resp: 425782

Ion Ratio Lower Upper

180 100

182 96.6 78.5 117.7

145 28.8 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

