

Data File : VV010456.D
Acq On : 24 Apr 2019 12:17
Operator : SY/MD
Sample : VSTD02037
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02037

Quant Time: Apr 25 01:38:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 01:34:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	250102	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	243417	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	137938	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	289627	21.32	ug/L	0.00
7) Chloroethane-d5	1.57	69	220612	15.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	569841	16.10	ug/L	0.00
20) 2-Butanone-d5	3.95	46	674142	202.84	ug/L	-0.03
24) Chloroform-d	4.40	84	635643	20.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	306151	19.88	ug/L	0.00
32) Benzene-d6	5.10	84	1231011	21.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	355182	20.00	ug/L	0.00
41) Toluene-d8	7.36	98	1236142	22.74	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	150373	25.74	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	597267	234.21	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	282514	21.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	524010	21.07	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	402557	17.124	ug/L	99
3) Chloromethane	1.25	50	314221	15.968	ug/L	99
5) Vinyl chloride	1.32	62	351427	16.387	ug/L	96
6) Bromomethane	1.52	94	191943	12.563	ug/L	98
8) Chloroethane	1.59	64	198710	13.895	ug/L	100
9) Trichlorofluoromethane	1.77	101	650865	15.307	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	339958	15.106	ug/L	98
12) 1,1-Dichloroethene	2.14	96	303569	16.030	ug/L	97
13) Acetone	2.19	43	358625	138.368	ug/L	96
14) Carbon disulfide	2.32	76	833168	16.497	ug/L	100
15) Methyl Acetate	2.46	43	89905	14.814	ug/L	98
16) Methylene chloride	2.53	84	299613	14.221	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	703477	15.503	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	327836	15.654	ug/L	97
19) 1,1-Dichloroethane	3.23	63	530321	14.777	ug/L	99
21) 2-Butanone	4.04	43	712339	209.996	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	359728	19.961	ug/L	96
23) Bromochloromethane	4.30	128	155227	19.228	ug/L	96
25) Chloroform	4.42	83	637748	18.906	ug/L	97
27) 1,2-Dichloroethane	5.18	62	380709	20.300	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	593506	20.704	ug/L	100
30) Cyclohexane	4.72	56	523377	21.708	ug/L	98
31) Carbon tetrachloride	4.87	117	568901	21.147	ug/L	98
33) Benzene	5.14	78	1327589	20.088	ug/L	100
34) Trichloroethene	5.96	95	380091	19.755	ug/L	96
35) Methylcyclohexane	6.17	83	609813	21.389	ug/L	99
37) 1,2-Dichloropropane	6.22	63	317655	20.783	ug/L	100
38) Bromodichloromethane	6.56	83	443083	21.630	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	515512	24.008	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	1815173	216.620	ug/L	99

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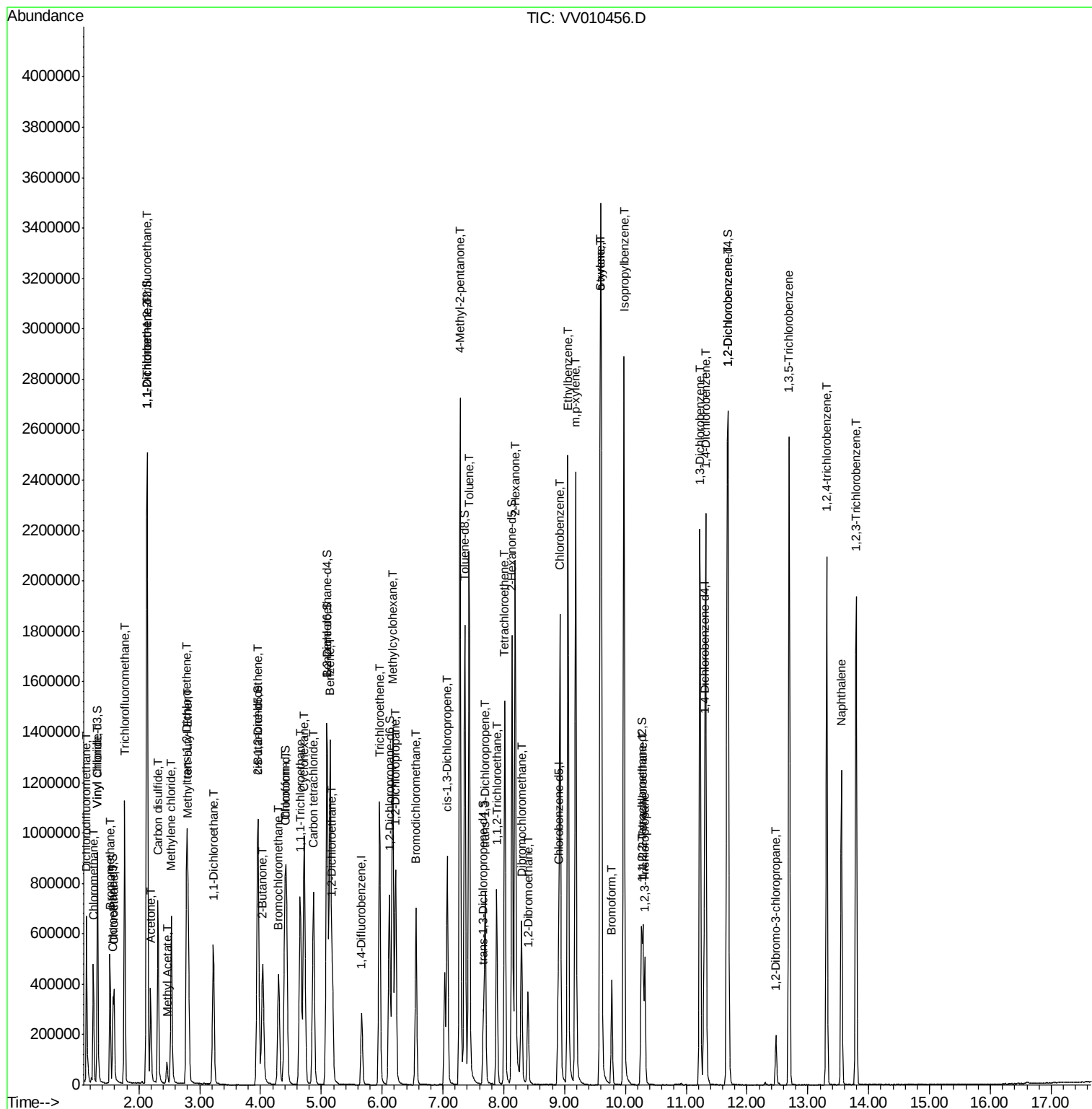
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1544196	20.963	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	403036	24.223	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	235177	19.449	ug/L	94
47) Tetrachloroethene	8.02	164	344164	20.500	ug/L	96
48) 2-Hexanone	8.19	43	1313062	232.973	ug/L	97
49) Dibromochloromethane	8.29	129	319137	21.960	ug/L	95
50) 1,2-Dibromoethane	8.40	107	227824	20.720	ug/L #	99
51) Chlorobenzene	8.93	112	1021973	20.470	ug/L	96
52) Ethylbenzene	9.05	91	1780352	22.328	ug/L	99
53) m,p-xylene	9.18	106	745492	23.966	ug/L	94
54) o-xylene	9.59	106	724315	24.092	ug/L	95
55) Styrene	9.60	104	1220106	25.152	ug/L	96
56) Isopropylbenzene	9.97	105	1940424	24.248	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	279633	21.248	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	195087	20.731	ug/L	97
61) Bromoform	9.77	173	186731	21.771	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	919728	20.597	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	938864	20.869	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	873891	20.836	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	44805	22.505	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	792733	22.883	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	644138	25.979	ug/L	99
69) Naphthalene	13.55	128	984631	32.730	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	597346	26.496	ug/L	99

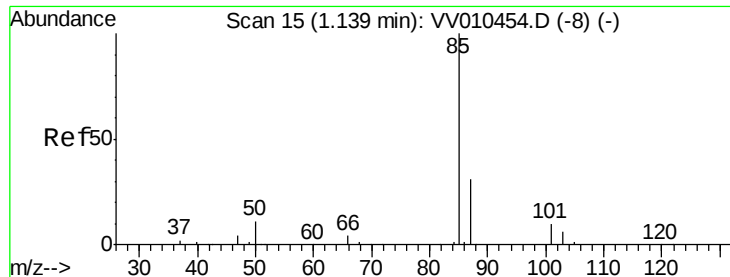
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 17.124 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

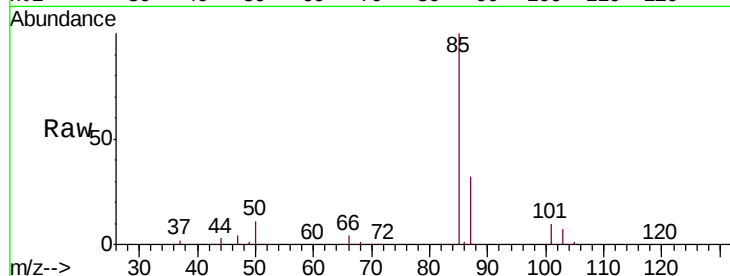
VSTD02037

Tgt Ion: 85 Resp: 402557

Ion Ratio Lower Upper

85 100

87 31.5 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV010454.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010454.D (-8) (-)

1.14

400000

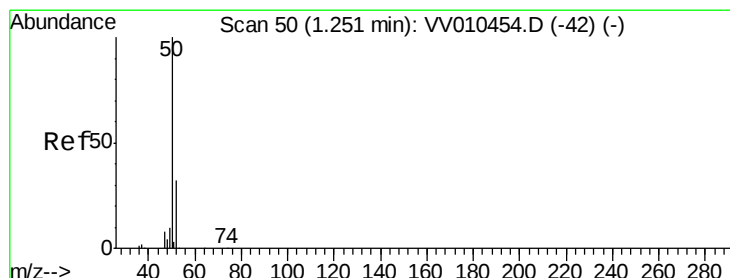
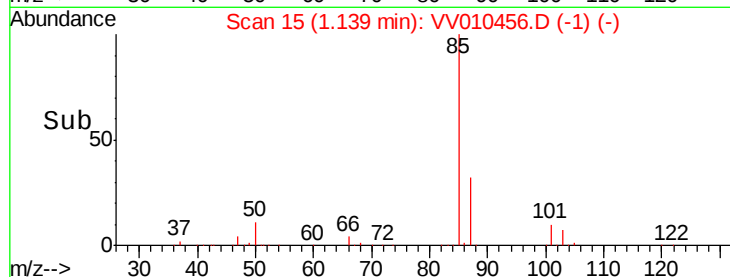
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 15.968 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV010456.D

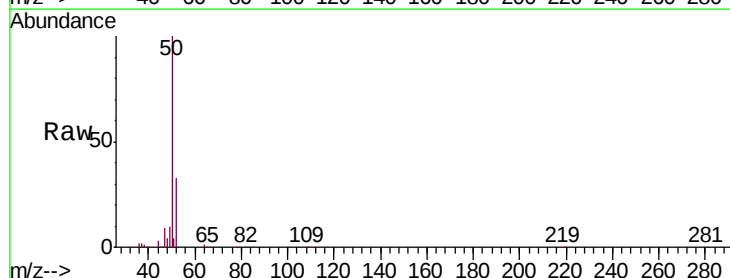
Acq: 24 Apr 2019 12:17

Tgt Ion: 50 Resp: 314221

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV010454.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV010454.D (-42) (-)

1.25

300000

250000

200000

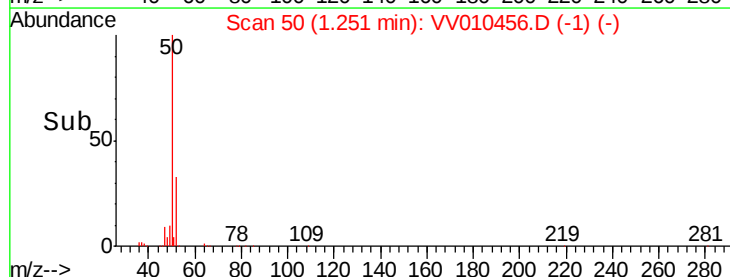
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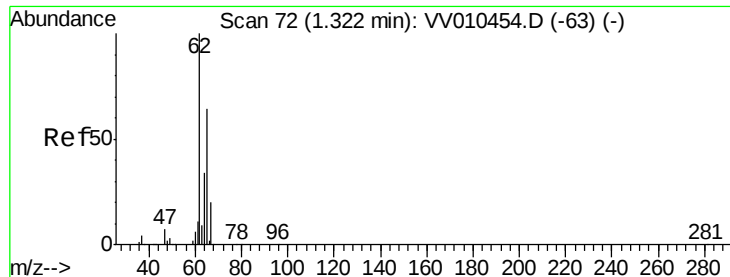
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 16.387 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

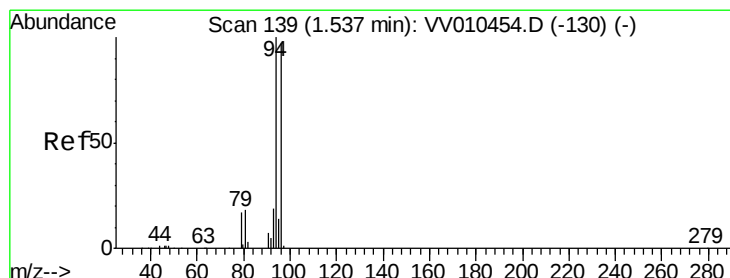
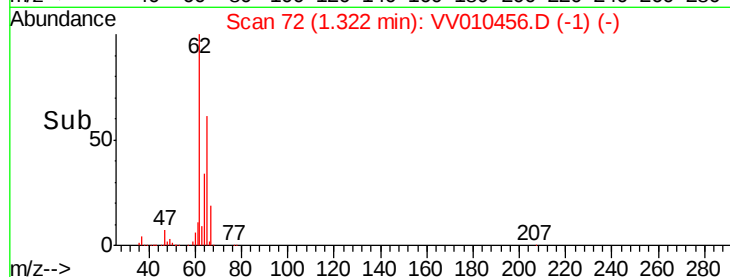
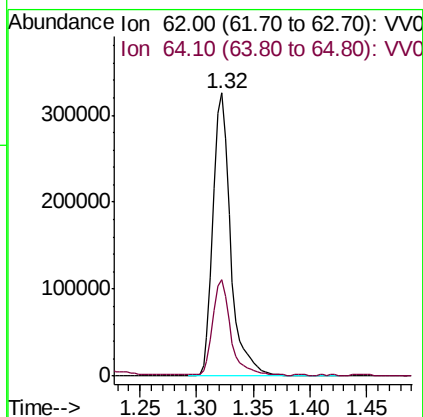
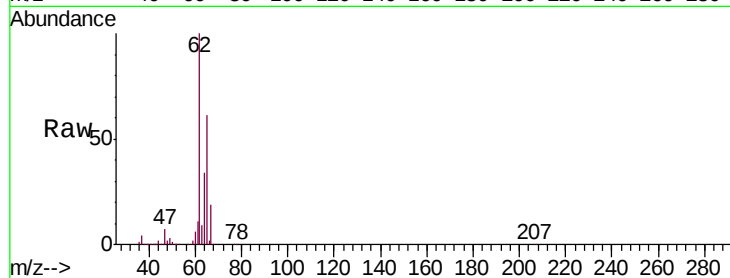
VSTD02037

Tgt Ion: 62 Resp: 351427

Ion Ratio Lower Upper

62 100

64 34.0 25.4 47.2



#6

Bromomethane

Concen: 12.563 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.01 min

Lab File: VV010456.D

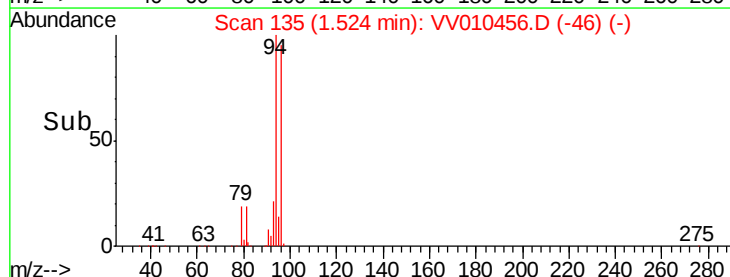
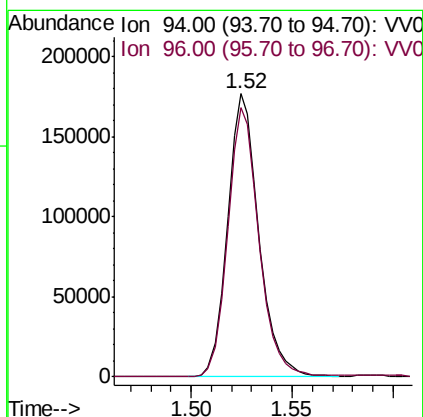
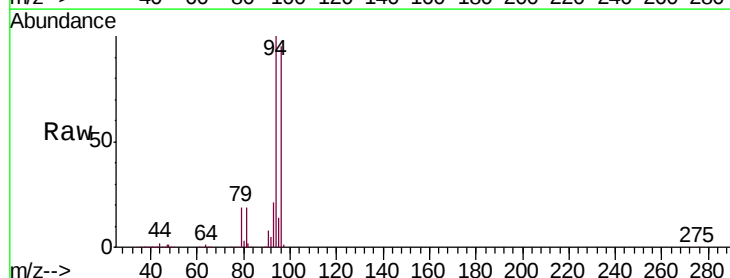
Acq: 24 Apr 2019 12:17

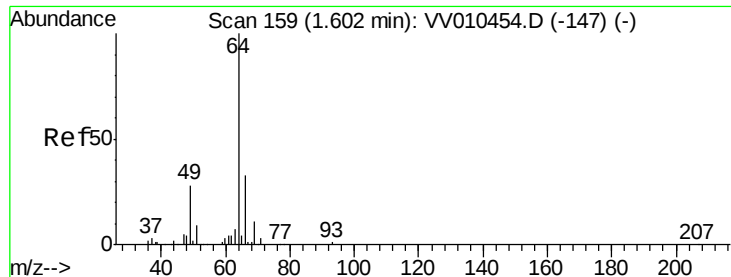
Tgt Ion: 94 Resp: 191943

Ion Ratio Lower Upper

94 100

96 95.0 67.6 125.6





#8

Chloroethane

Concen: 13.895 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

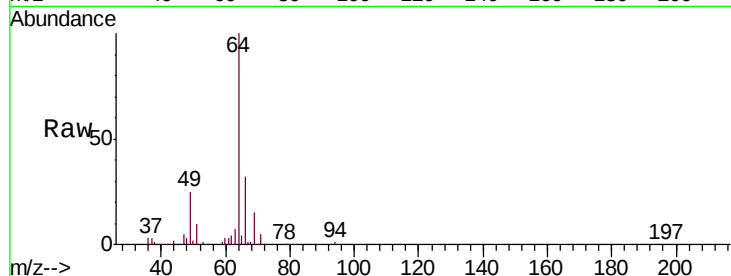
VSTD02037

Tgt Ion: 64 Resp: 198710

Ion Ratio Lower Upper

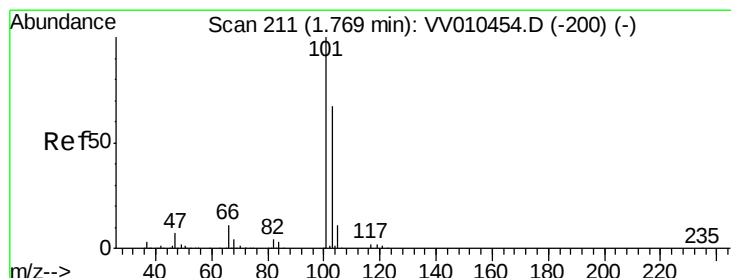
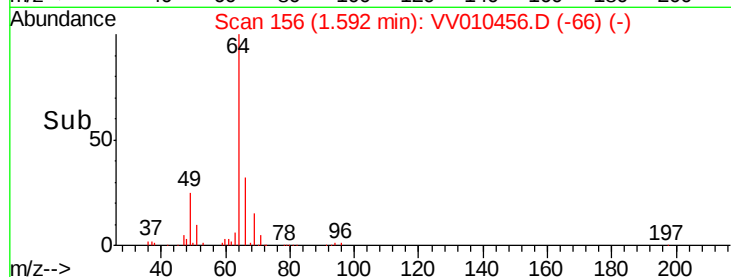
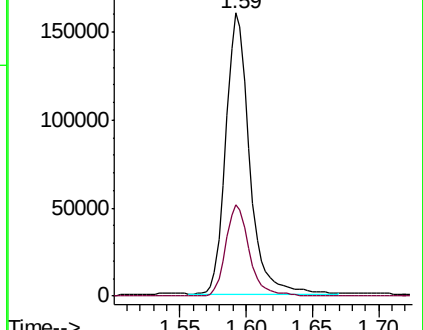
64 100

66 32.4 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV010454.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV010456.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 15.307 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV010456.D

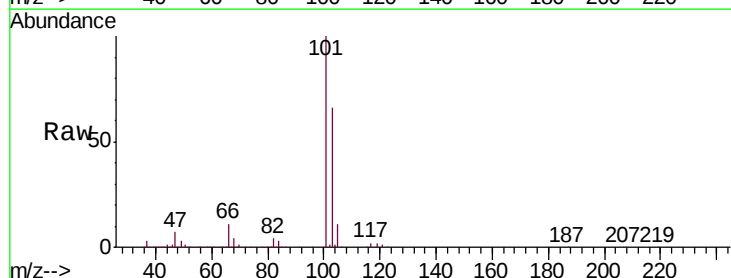
Acq: 24 Apr 2019 12:17

Tgt Ion: 101 Resp: 650865

Ion Ratio Lower Upper

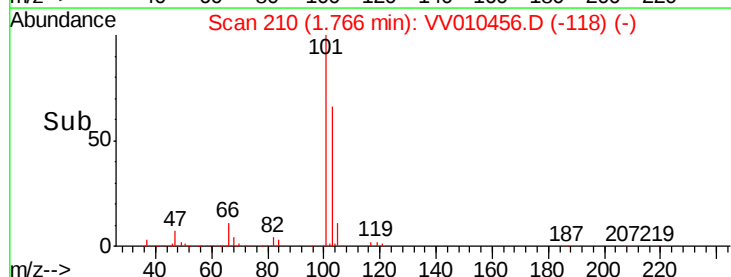
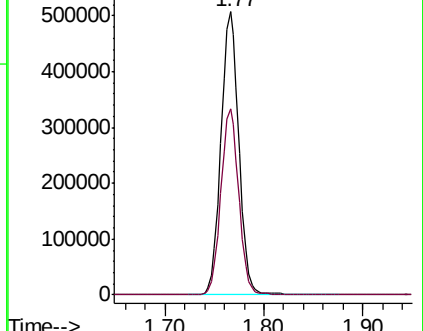
101 100

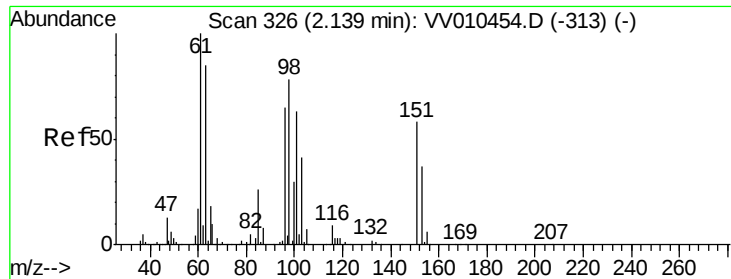
103 65.6 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV010454.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010456.D (-118) (-)





#10

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

Concen: 15.106 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampled :

VSTD02037

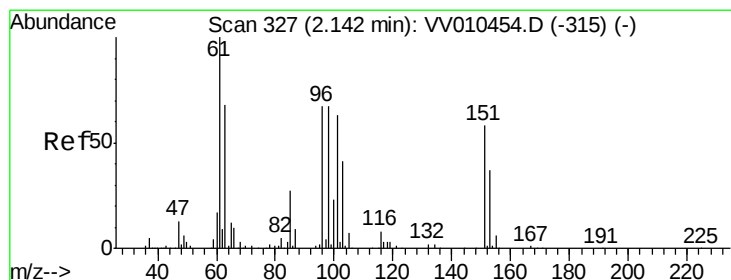
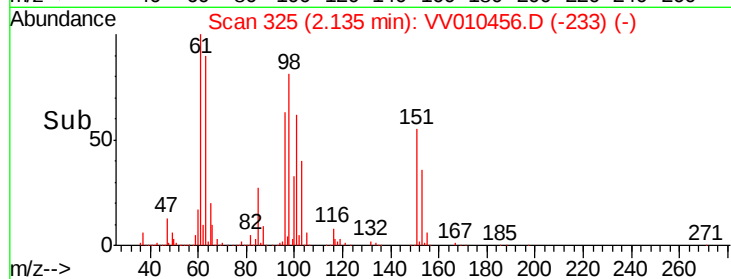
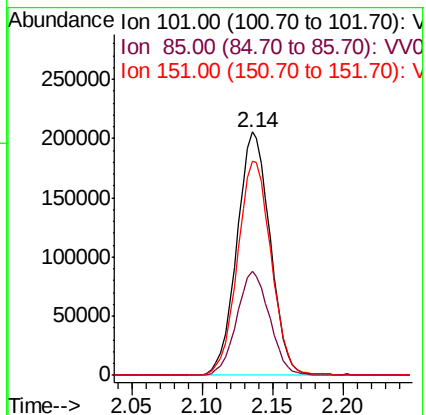
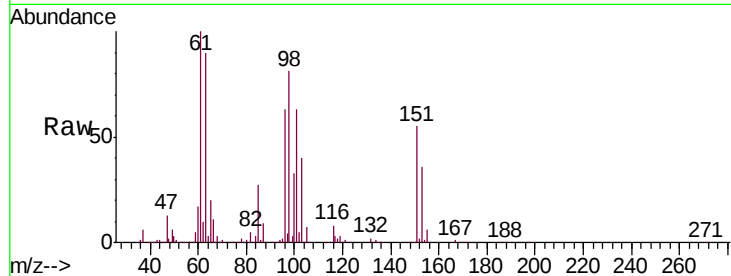
Tgt Ion:101 Resp: 339958

Ion Ratio Lower Upper

101 100

85 42.2 33.8 50.8

151 89.1 73.8 110.6



#12

1,1-Dichloroethene

Concen: 16.030 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

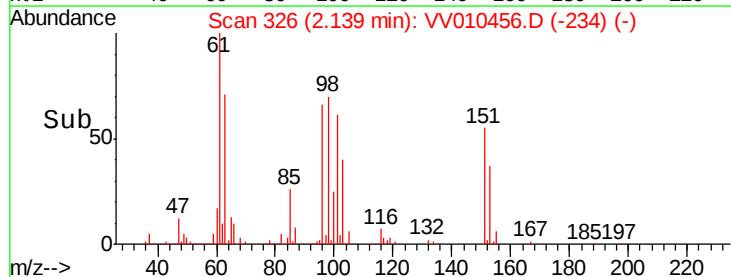
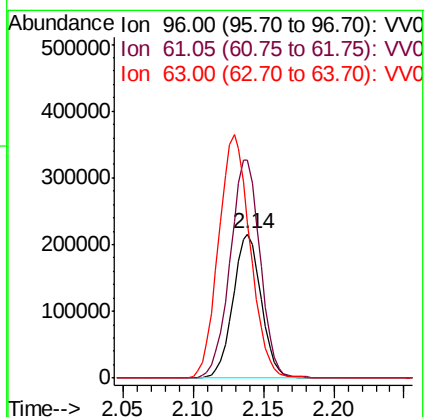
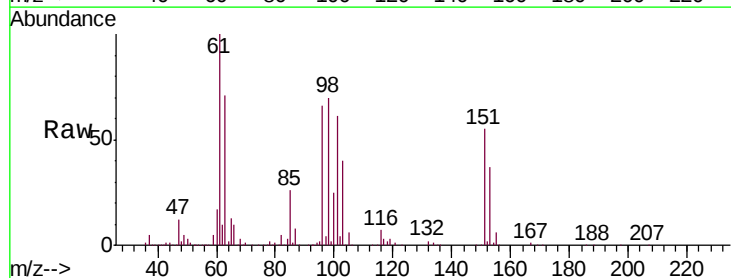
Tgt Ion: 96 Resp: 303569

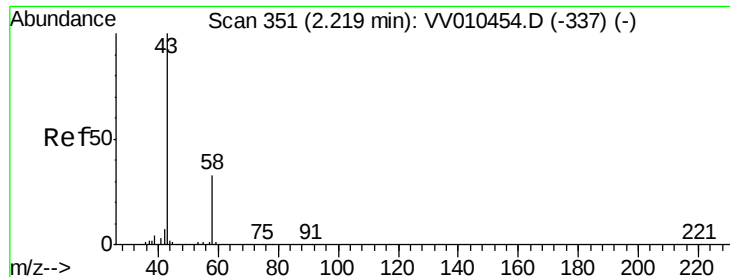
Ion Ratio Lower Upper

96 100

61 151.3 104.3 193.7

63 107.7 72.1 133.9





#13

Acetone

Concen: 138.368 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV010456.D

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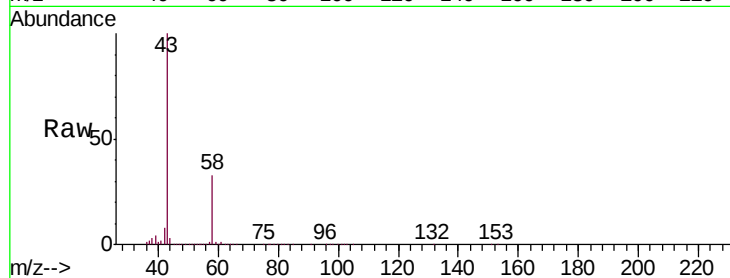
VSTD02037

Tgt Ion: 43 Resp: 358625

Ion Ratio Lower Upper

43 100

58 32.2 0.0 59.6



Abundance Ion 43.05 (42.75 to 43.75): VV010454.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV010454.D (-337) (-)

2.19

250000

200000

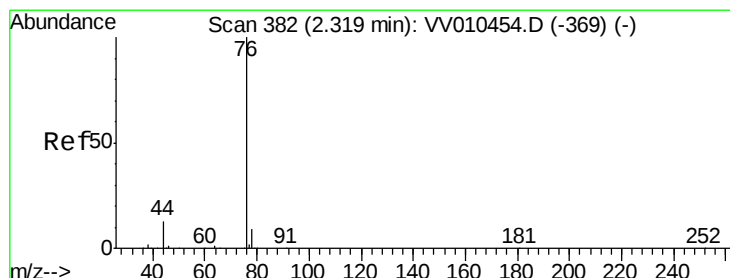
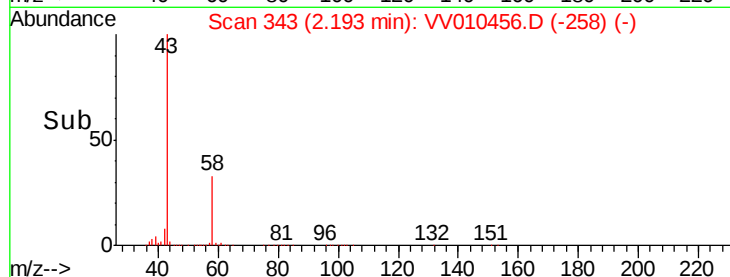
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 16.497 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010456.D

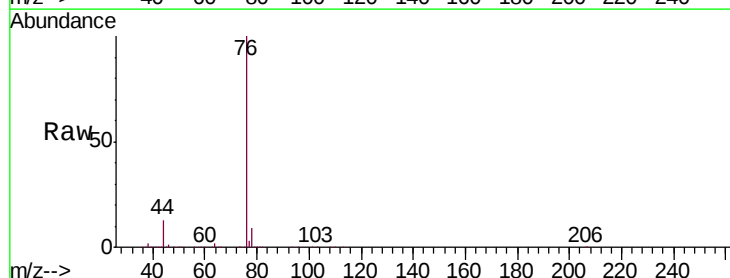
Acq: 24 Apr 2019 12:17

Tgt Ion: 76 Resp: 833168

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV010454.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010454.D (-369) (-)

2.32

600000

500000

400000

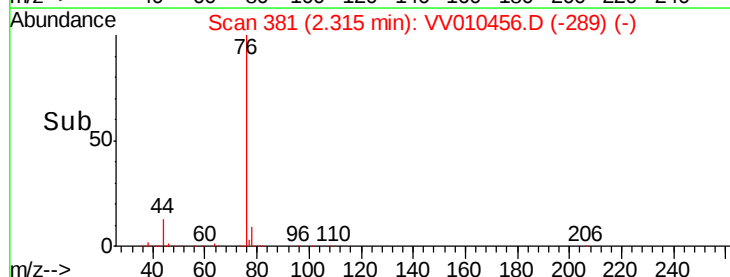
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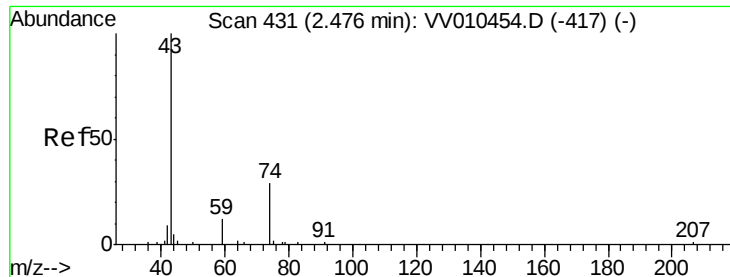
200000

100000

0

Time--> 2.20 2.30 2.40

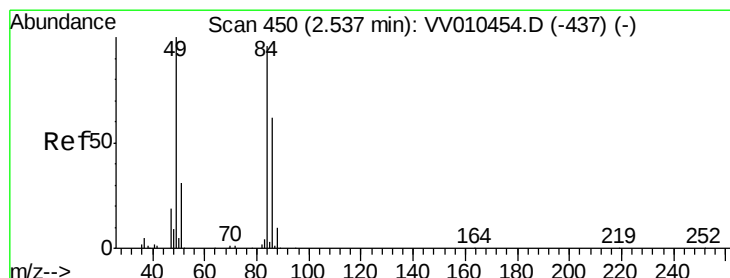
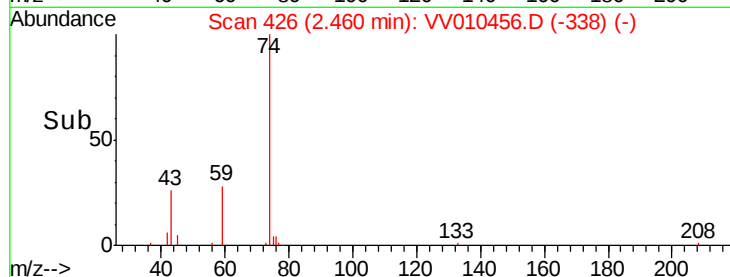
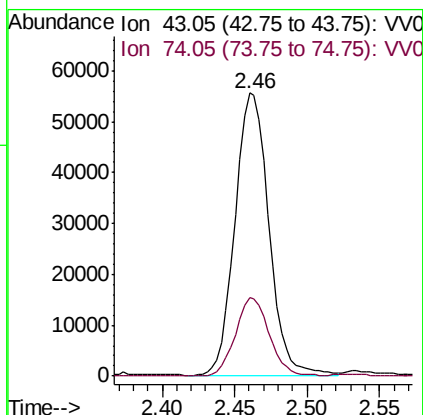
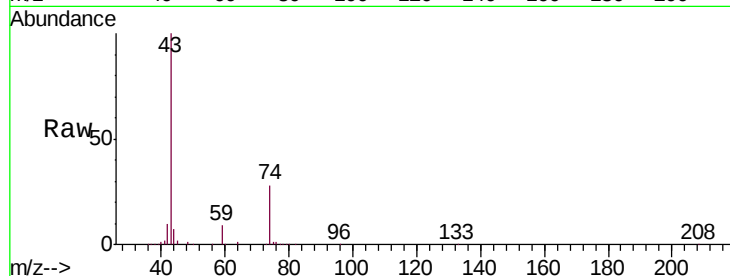




#15
Methyl Acetate
Concen: 14.814 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.02 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

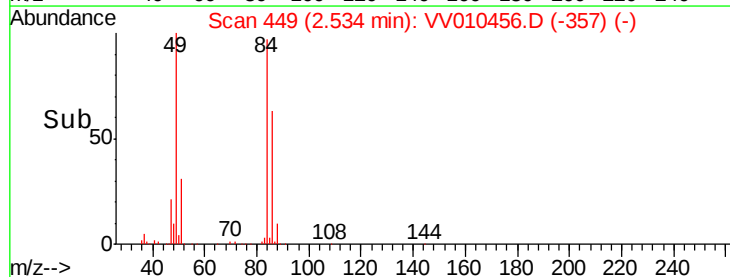
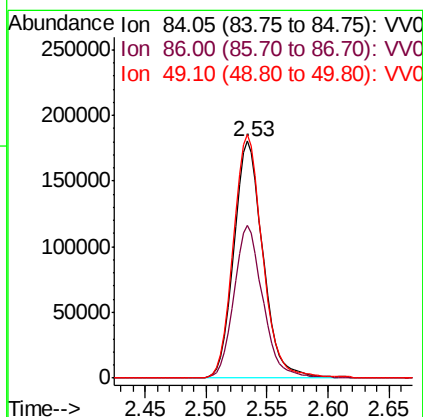
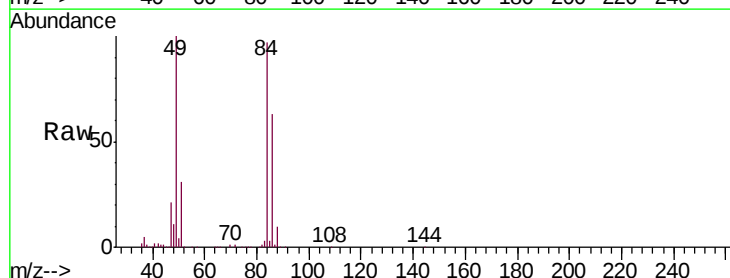
Instrument :
MSVOA_V
ClientSampleId :
VSTD02037

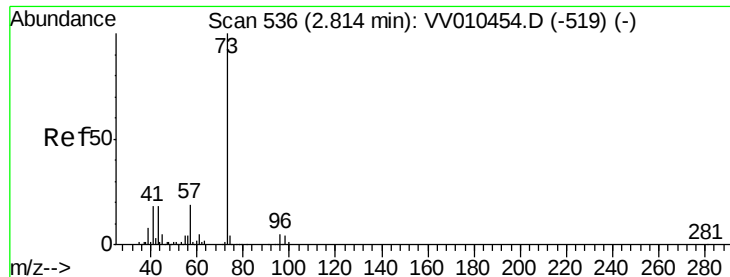
Tgt Ion: 43 Resp: 89905
Ion Ratio Lower Upper
43 100
74 27.8 23.0 34.6



#16
Methylene chloride
Concen: 14.221 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

Tgt Ion: 84 Resp: 299613
Ion Ratio Lower Upper
84 100
86 64.6 44.7 83.1
49 102.9 72.7 135.1



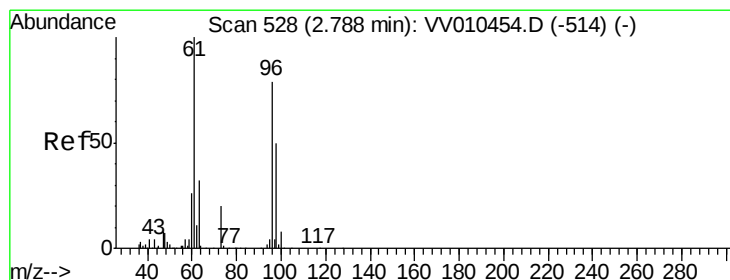
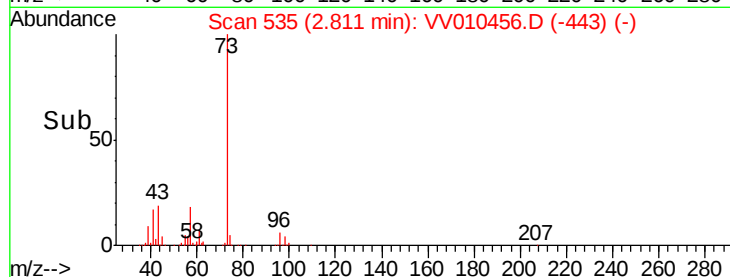
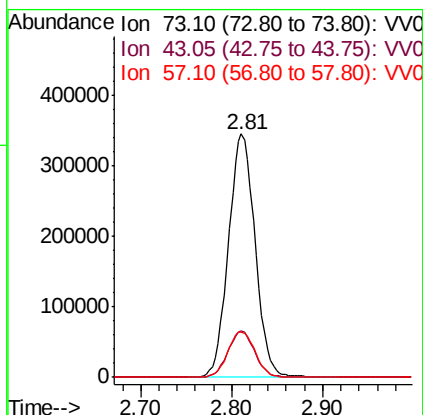
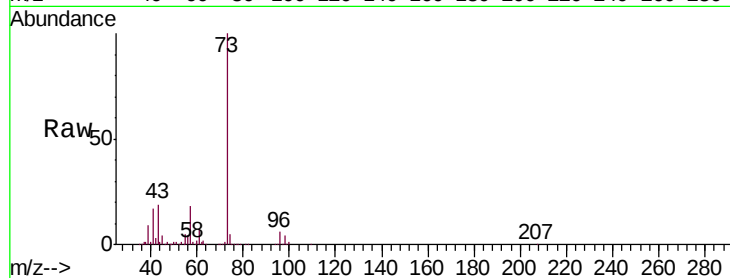


#17

Methyl tert-butyl Ether
 Concen: 15.503 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02037

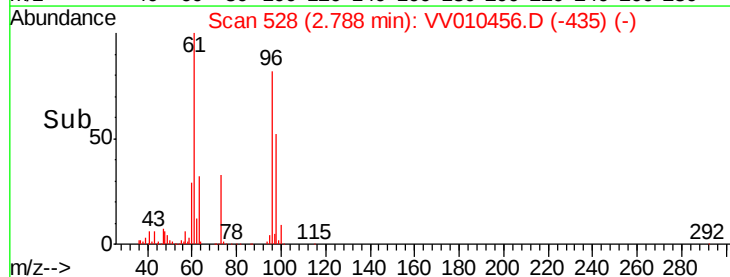
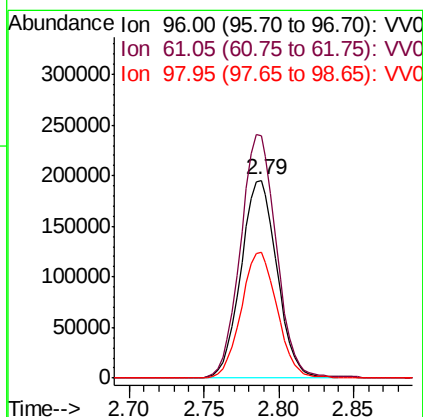
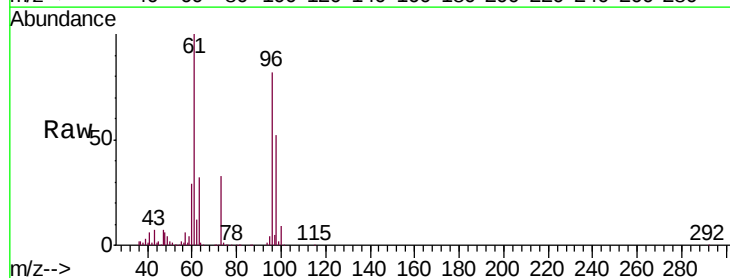
Tgt Ion:	73	Resp:	703477
Ion	Ratio	Lower	Upper
73	100		
43	18.9	14.9	22.3
57	19.1	15.7	23.5

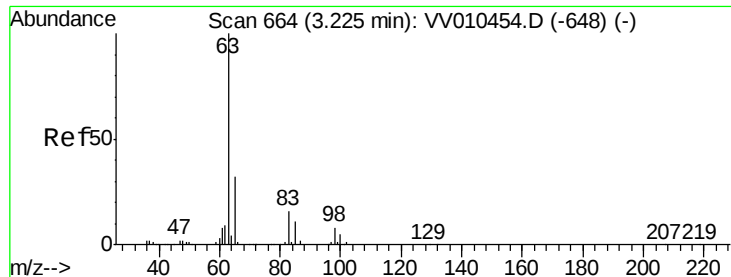


#18

trans-1,2-Dichloroethene
 Concen: 15.654 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Tgt Ion:	96	Resp:	327836
Ion	Ratio	Lower	Upper
96	100		
61	122.6	89.2	165.6
98	63.6	44.8	83.2





#19

1,1-Dichloroethane

Concen: 14.777 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02037

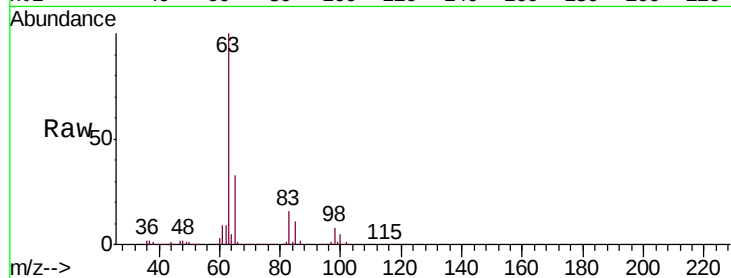
Tgt Ion: 63 Resp: 530321

Ion Ratio Lower Upper

63 100

65 32.6 22.7 42.3

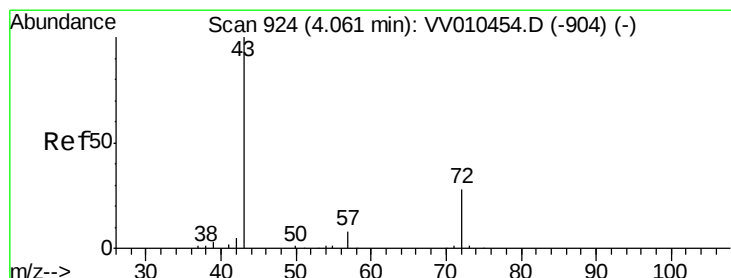
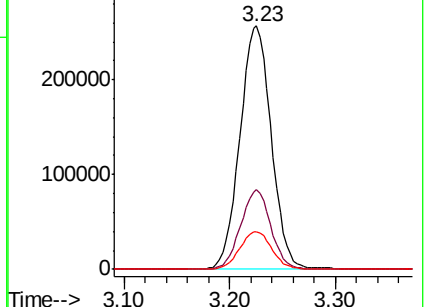
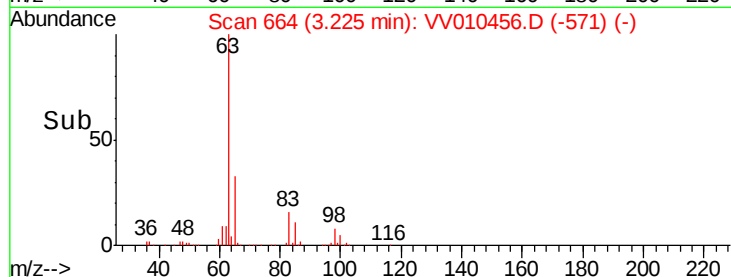
83 15.5 11.3 20.9



Abundance Ion 63.10 (62.80 to 63.80): VV010456.D (-571) (-)

Ion 65.10 (64.80 to 65.80): VV010456.D (-571) (-)

Ion 83.05 (82.75 to 83.75): VV010456.D (-571) (-)



#21

2-Butanone

Concen: 209.996 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.03 min

Lab File: VV010456.D

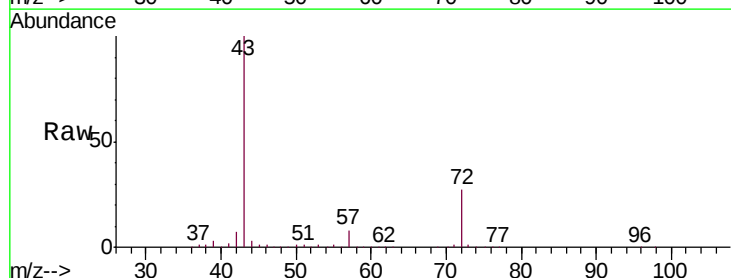
Acq: 24 Apr 2019 12:17

Tgt Ion: 43 Resp: 712339

Ion Ratio Lower Upper

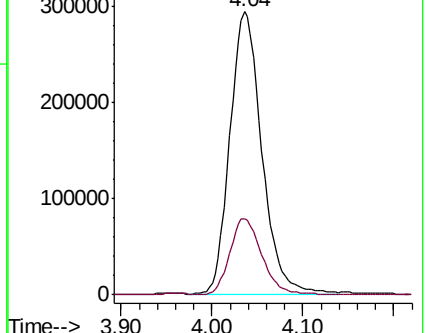
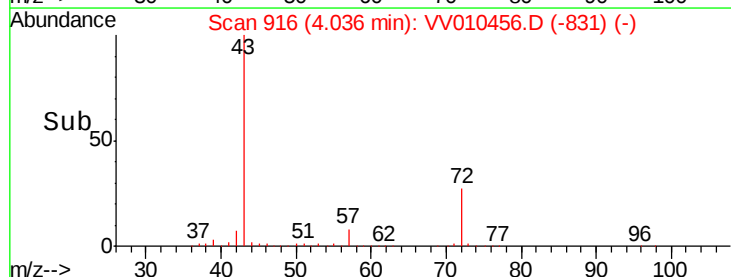
43 100

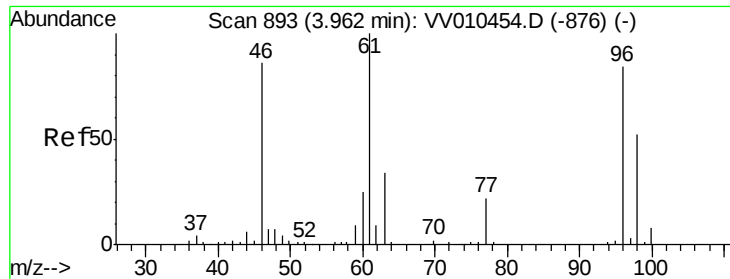
72 27.0 14.1 42.2



Abundance Ion 43.05 (42.75 to 43.75): VV010456.D (-831) (-)

Ion 72.10 (71.80 to 72.80): VV010456.D (-831) (-)



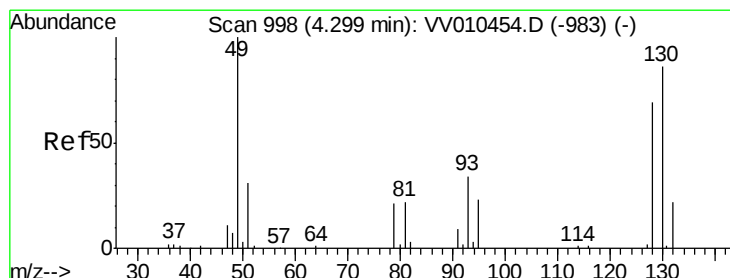
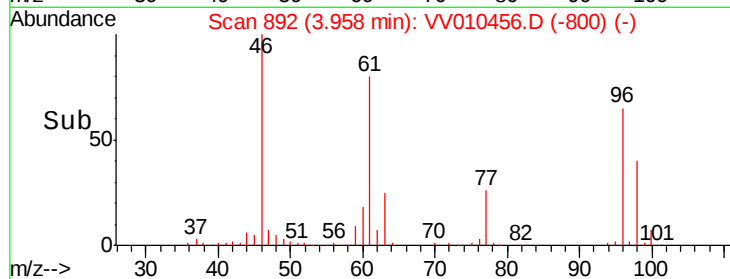
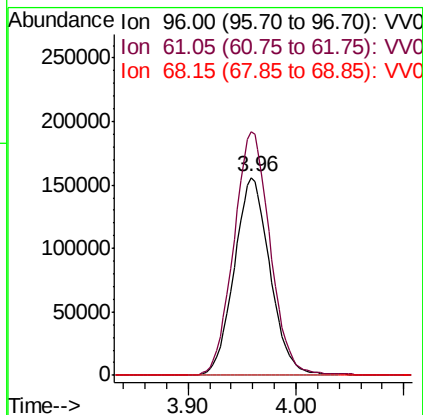
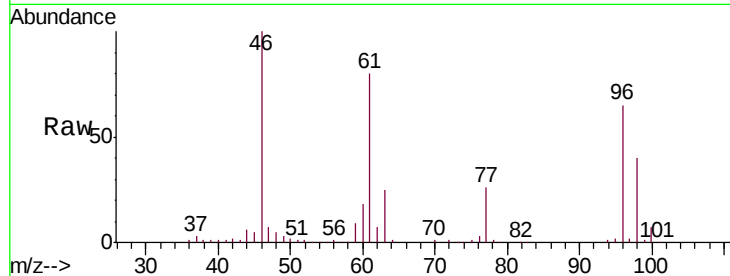


#22

cis-1,2-Dichloroethene
 Concen: 19.961 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02037

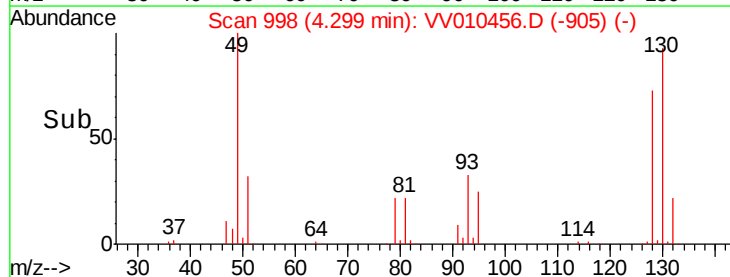
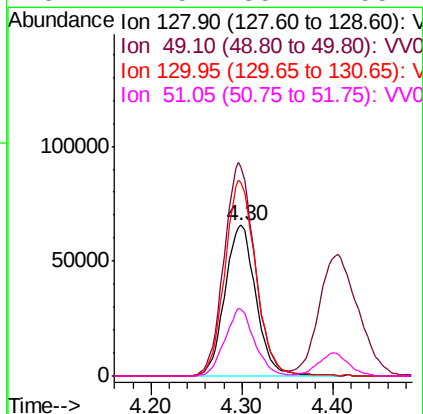
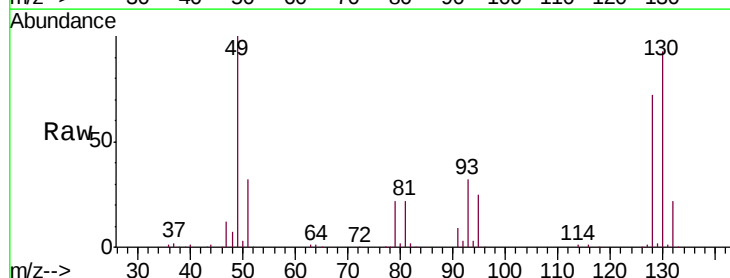
Tgt Ion: 96 Resp: 359728
 Ion Ratio Lower Upper
 96 100
 61 123.2 83.2 154.6
 68 0.0 0.0 0.0

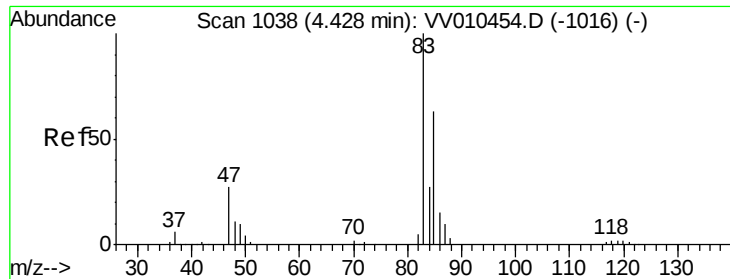


#23

Bromochloromethane
 Concen: 19.228 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Tgt Ion: 128 Resp: 155227
 Ion Ratio Lower Upper
 128 100
 49 138.4 102.0 189.4
 130 128.0 87.6 162.6
 51 44.5 35.4 53.2

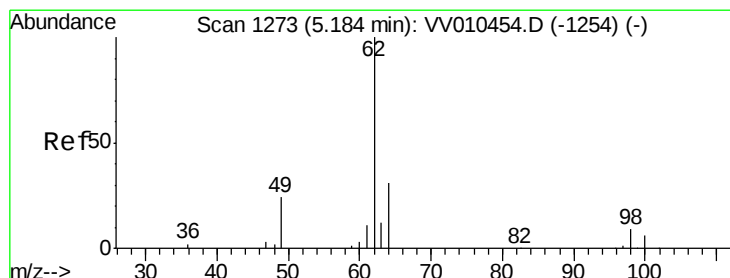
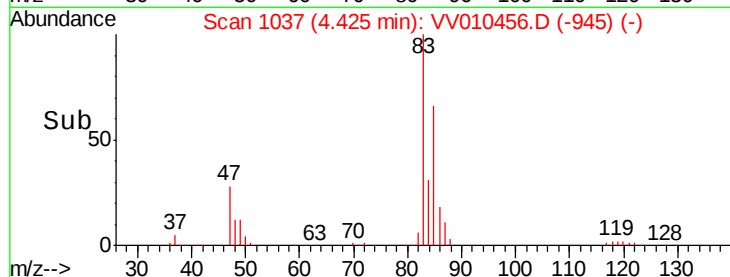
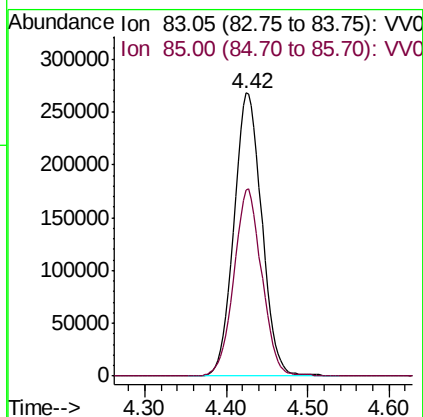
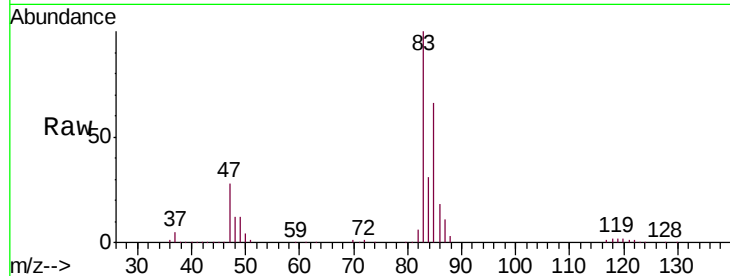




#25
Chloroform
Concen: 18.906 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

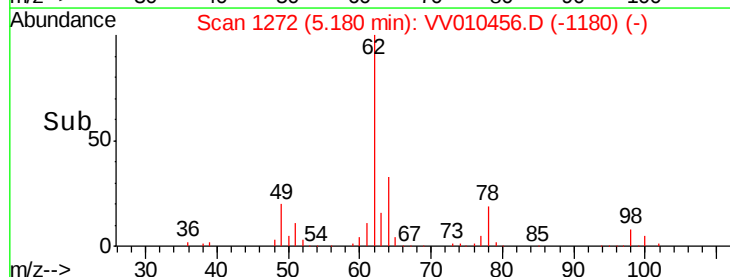
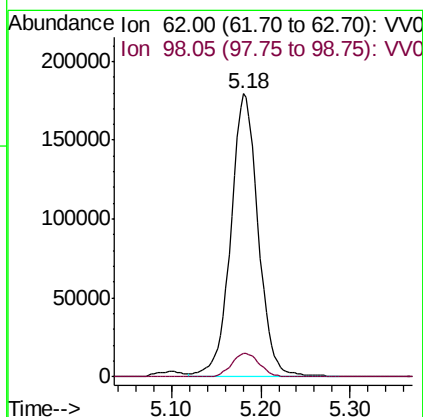
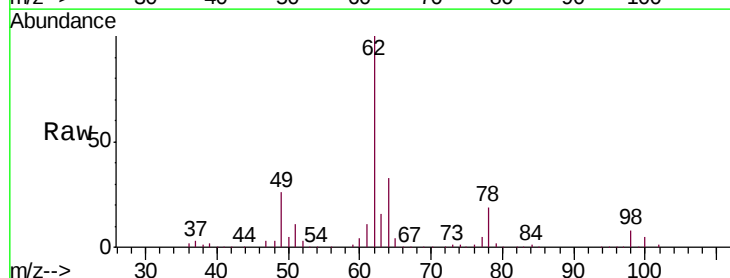
Instrument :
MSVOA_V
ClientSampleId :
VSTD02037

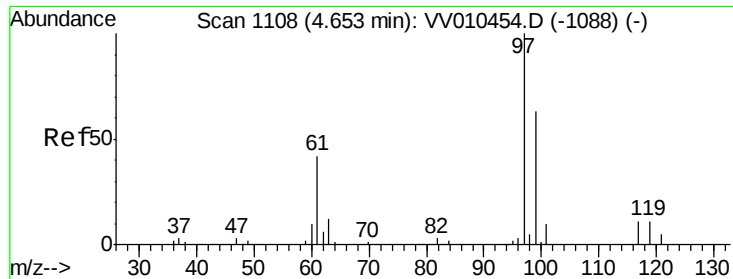
Tgt Ion: 83 Resp: 637748
Ion Ratio Lower Upper
83 100
85 65.7 44.3 82.3



#27
1,2-Dichloroethane
Concen: 20.300 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

Tgt Ion: 62 Resp: 380709
Ion Ratio Lower Upper
62 100
98 8.5 7.5 11.3

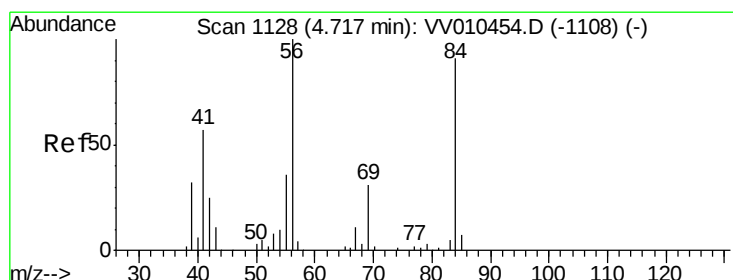
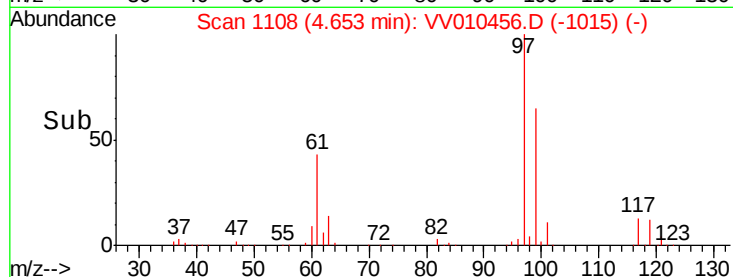
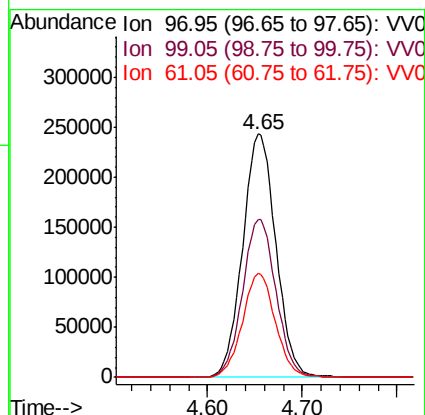
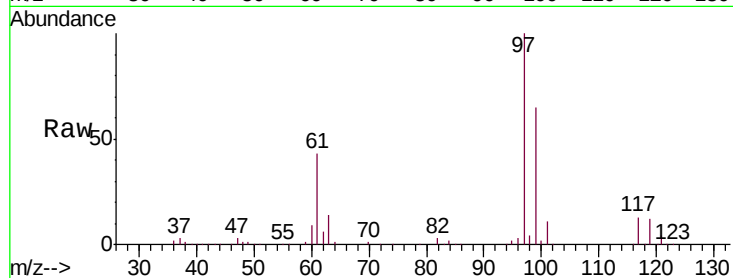




#29
 1,1,1-Trichloroethane
 Concen: 20.704 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

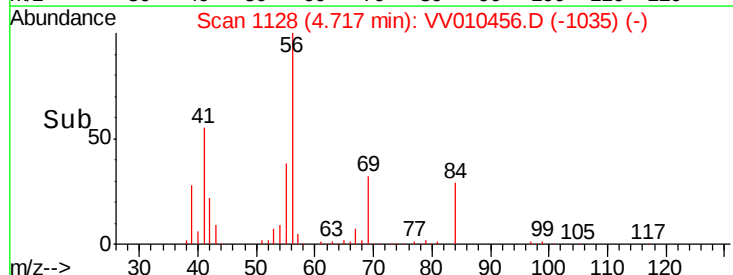
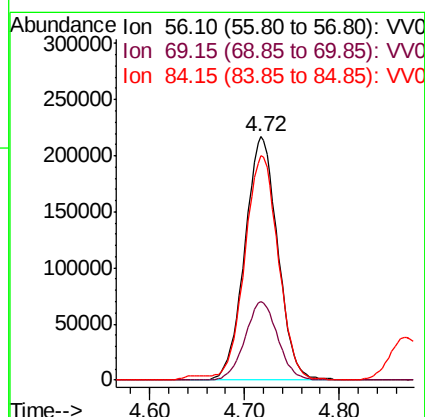
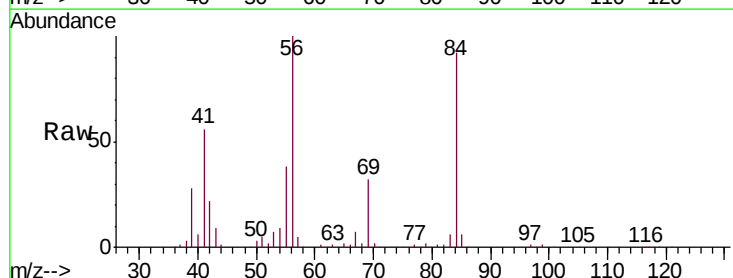
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02037

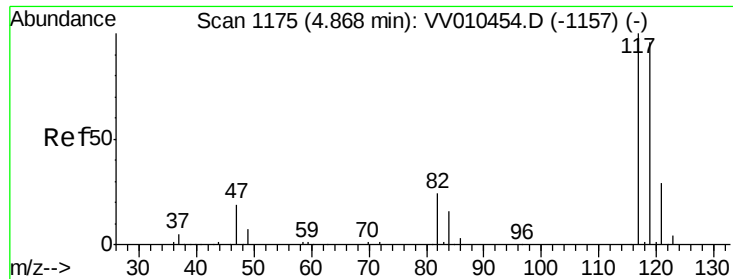
Tgt Ion: 97 Resp: 593506
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.2 78.2
 61 42.3 33.7 50.5



#30
 Cyclohexane
 Concen: 21.708 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Tgt Ion: 56 Resp: 523377
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.5 38.3
 84 93.1 76.7 115.1

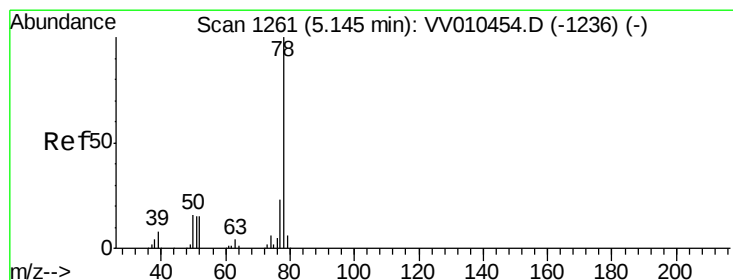
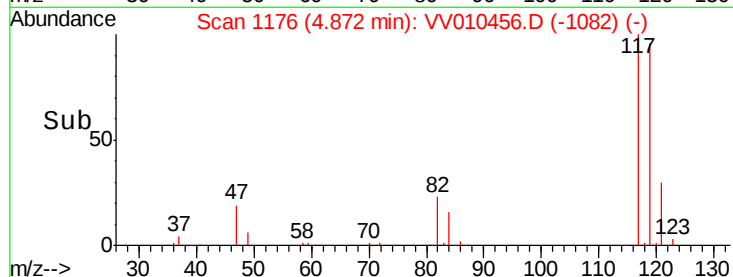
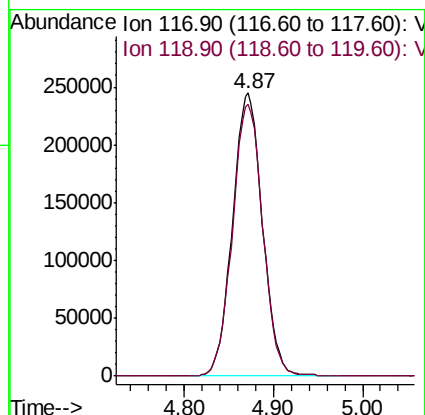
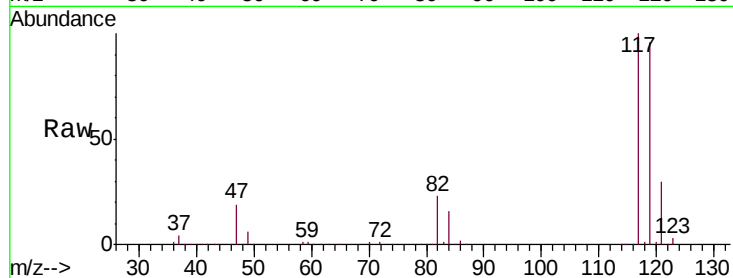




#31
Carbon tetrachloride
Concen: 21.147 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

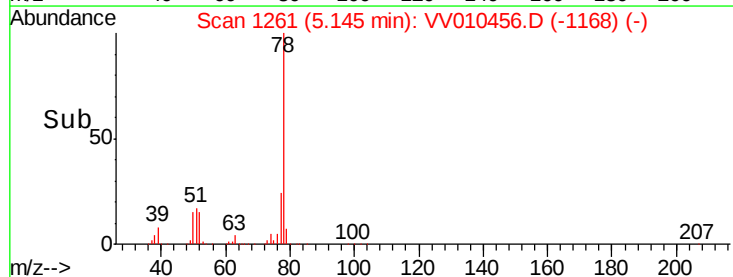
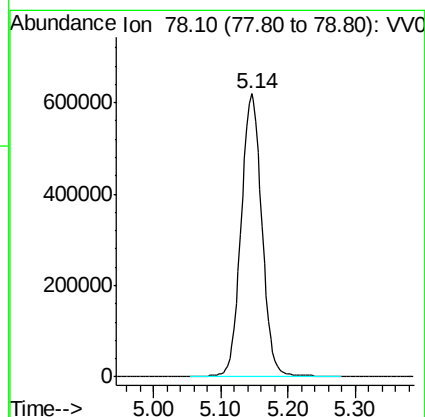
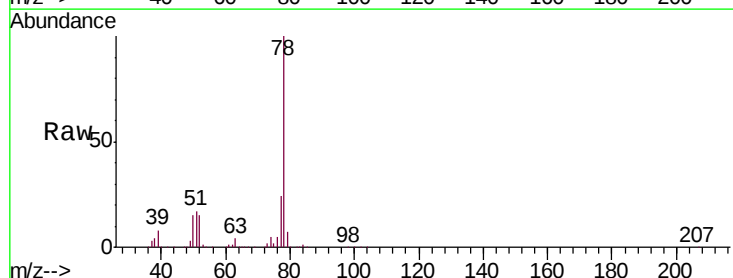
Instrument :
MSVOA_V
ClientSampled :
VSTD02037

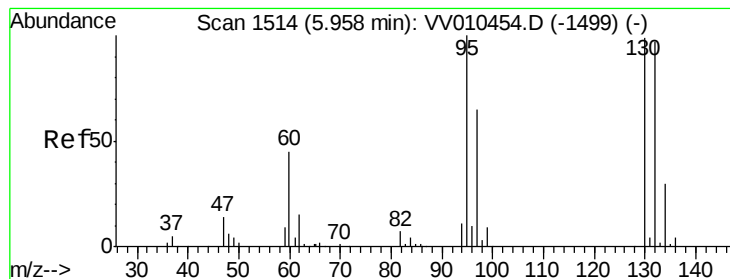
Tgt Ion:117 Resp: 568901
Ion Ratio Lower Upper
117 100
119 97.2 76.5 114.7



#33
Benzene
Concen: 20.088 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

Tgt Ion: 78 Resp: 1327589





#34

Trichloroethene

Concen: 19.755 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02037

Tgt Ion: 95 Resp: 380091

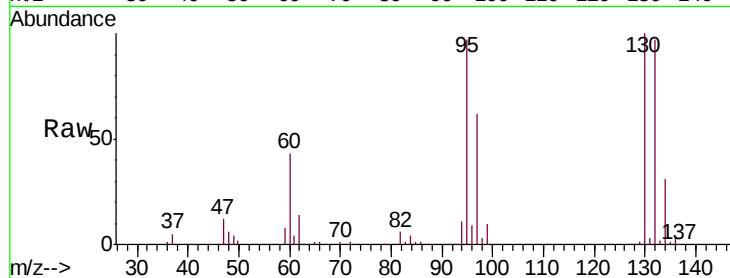
Ion Ratio Lower Upper

95 100

97 63.6 45.6 84.6

132 100.4 67.8 126.0

130 103.3 69.0 128.2

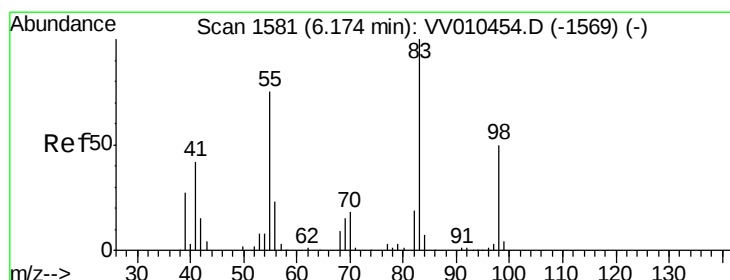
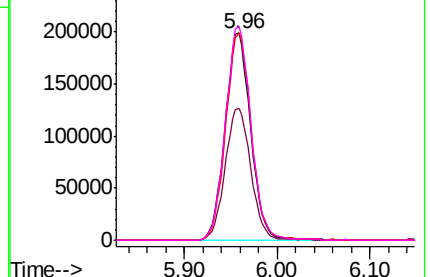
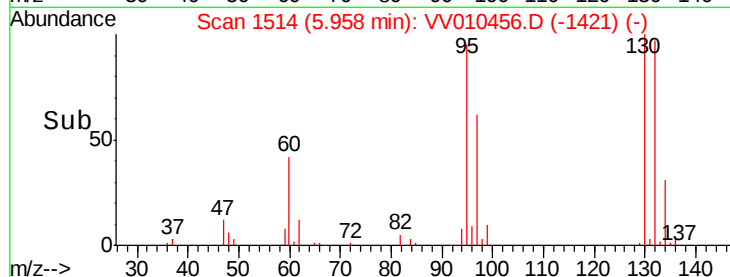


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 21.389 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

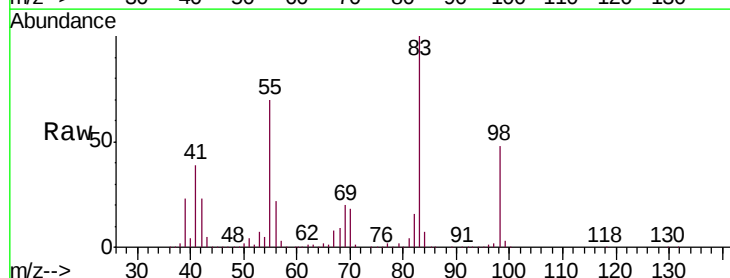
Tgt Ion: 83 Resp: 609813

Ion Ratio Lower Upper

83 100

55 71.6 57.8 86.6

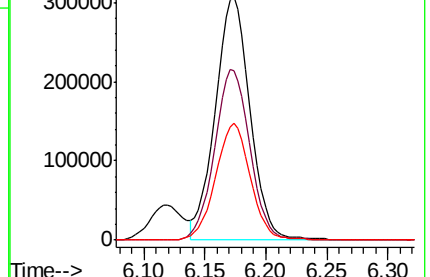
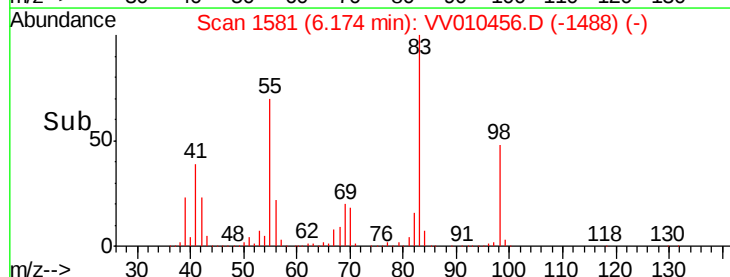
98 48.7 38.8 58.2

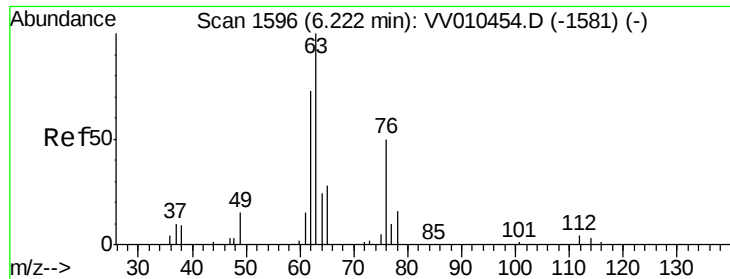


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

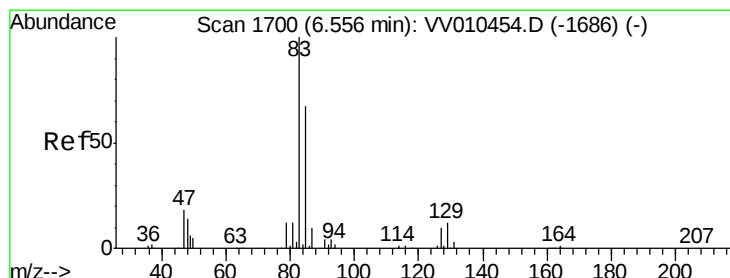
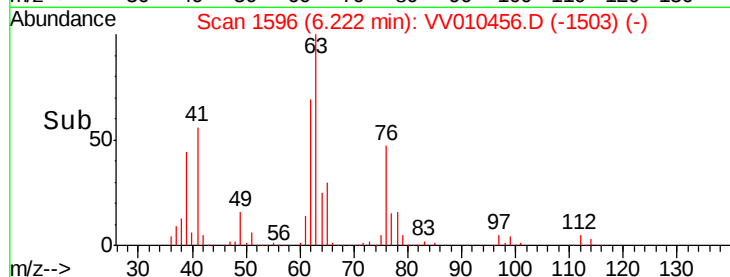
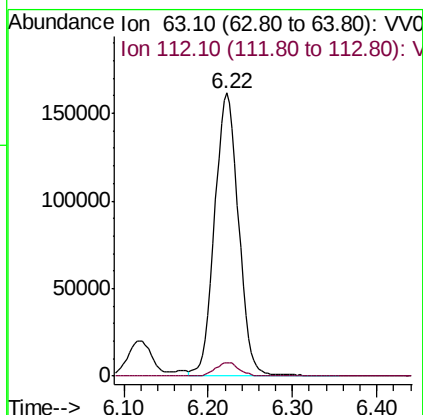
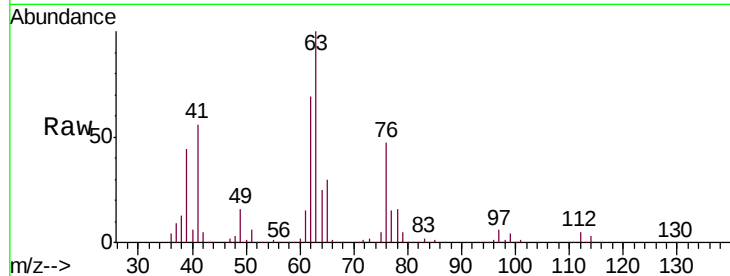




#37
 1,2-Dichloropropane
 Concen: 20.783 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

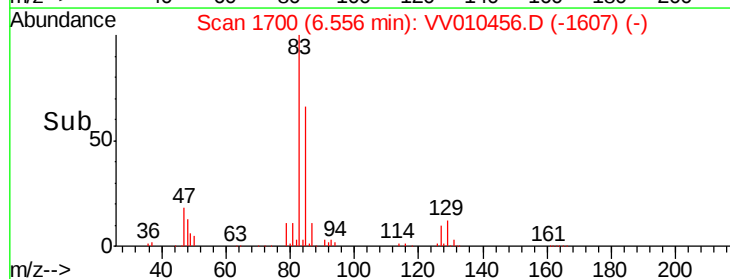
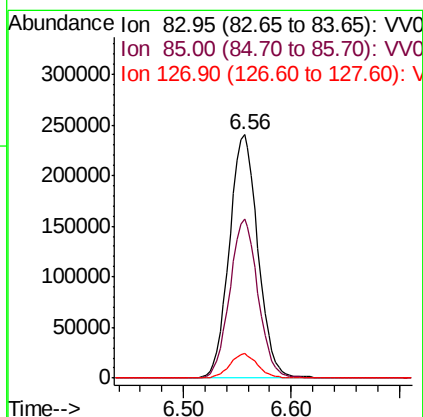
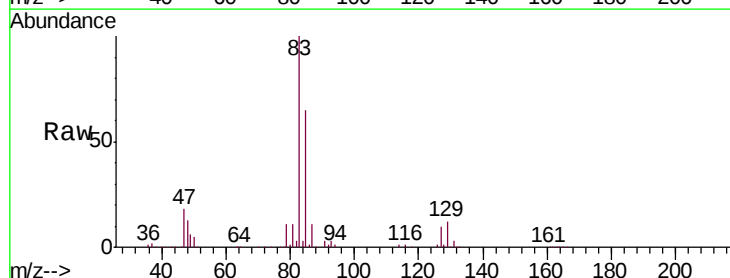
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02037

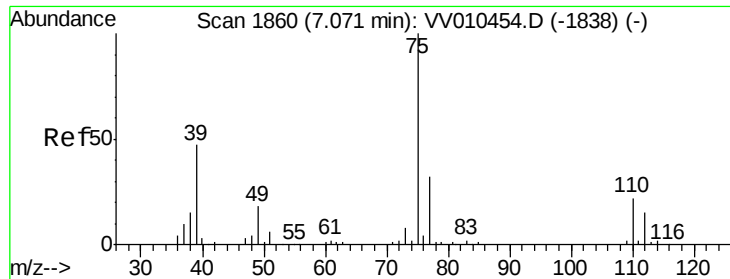
Tgt Ion: 63 Resp: 317655
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 21.630 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Tgt Ion: 83 Resp: 443083
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.6 86.6
 127 9.9 7.8 11.8

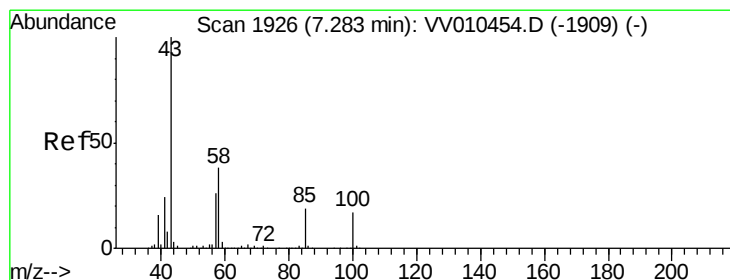
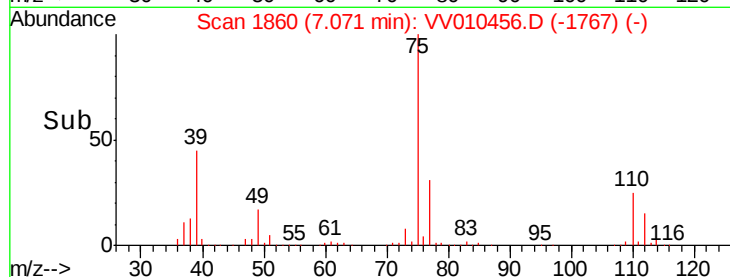
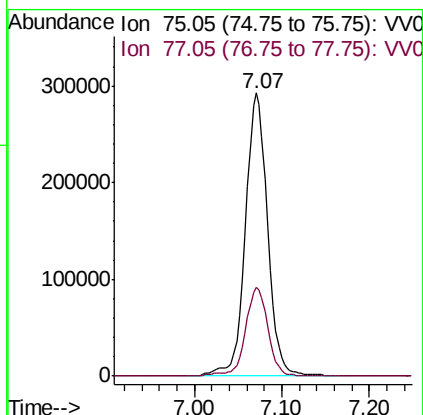
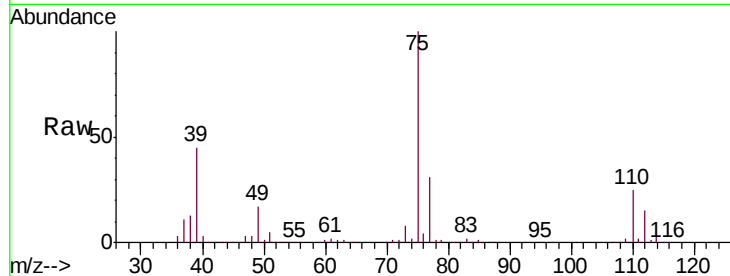




#39
 cis-1,3-Dichloropropene
 Concen: 24.008 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

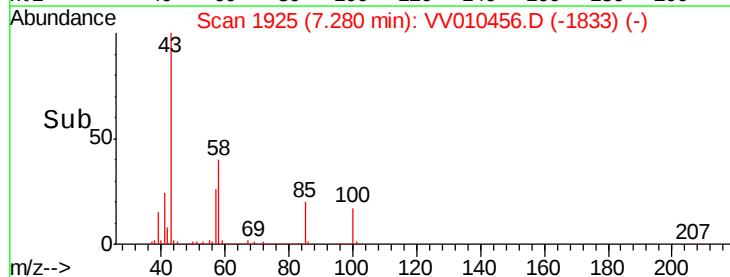
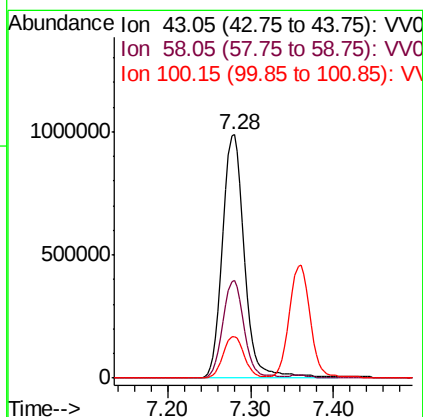
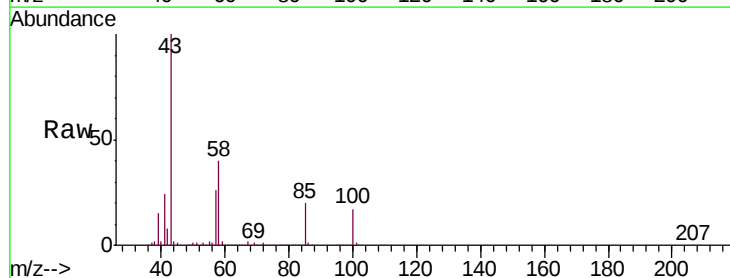
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02037

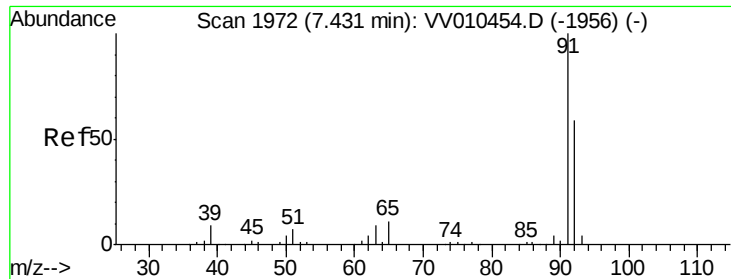
Tgt Ion: 75 Resp: 515512
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 216.620 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Tgt Ion: 43 Resp: 1815173
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.3 45.5
 100 16.5 13.0 19.4





#42

Toluene

Concen: 20.963 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

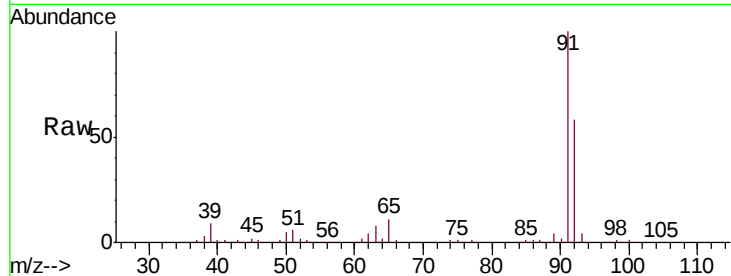
VSTD02037

Tgt Ion: 91 Resp: 1544196

Ion Ratio Lower Upper

91 100

92 58.3 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

800000

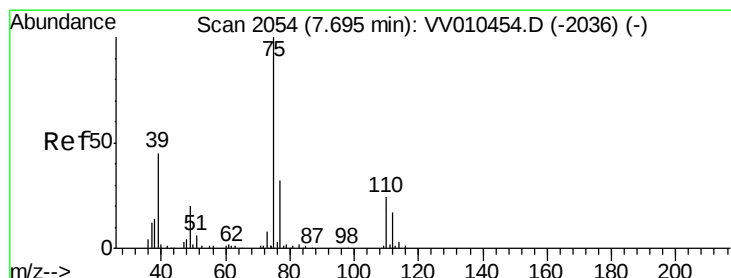
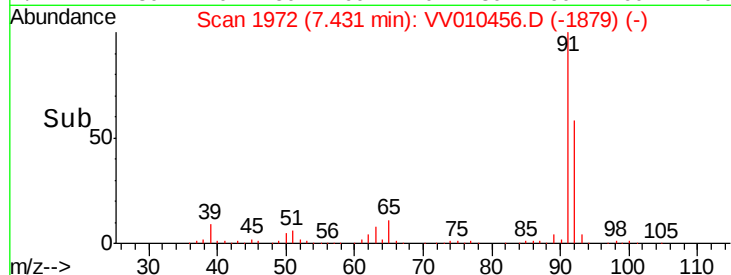
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 24.223 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010456.D

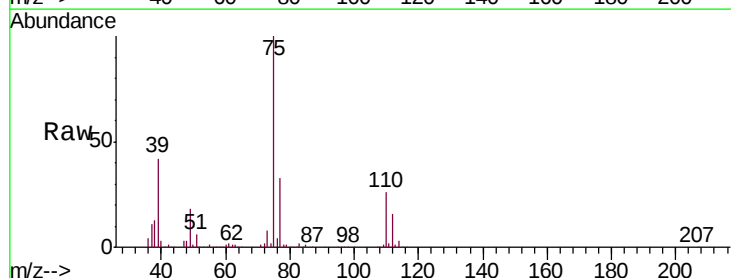
Acq: 24 Apr 2019 12:17

Tgt Ion: 75 Resp: 403036

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

250000

200000

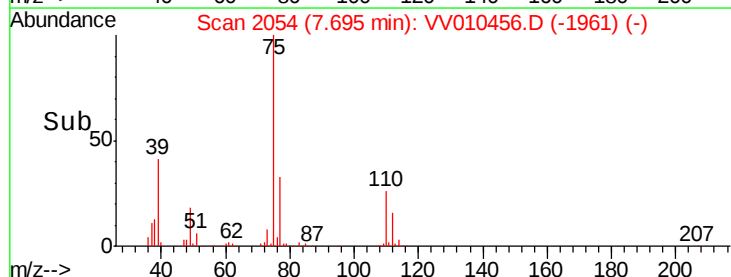
150000

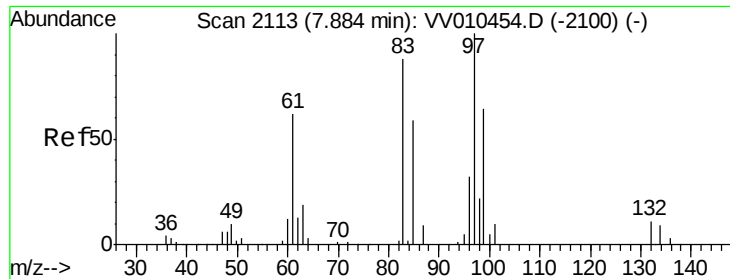
100000

50000

0

Time-->

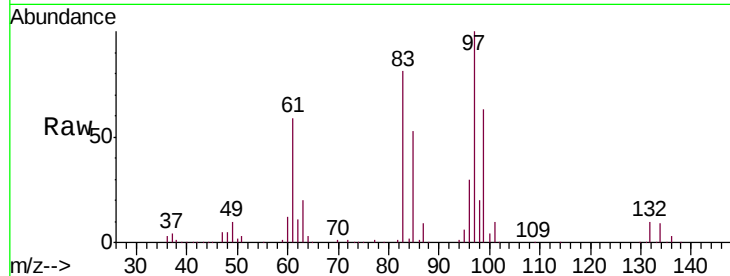




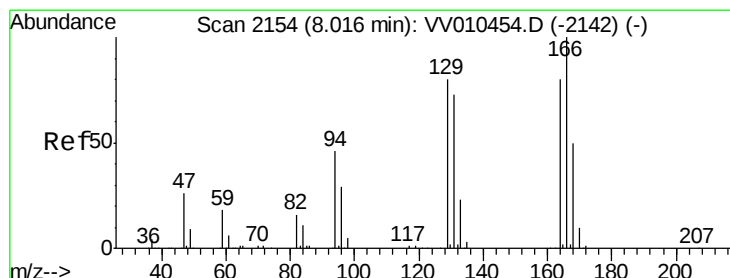
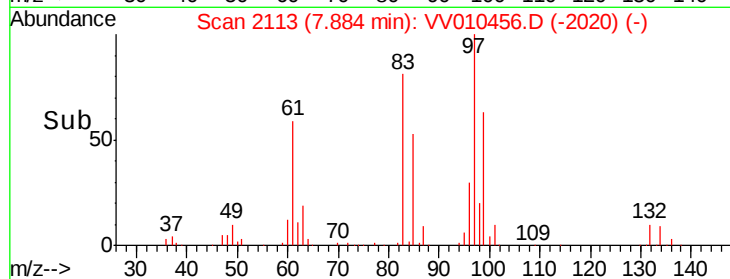
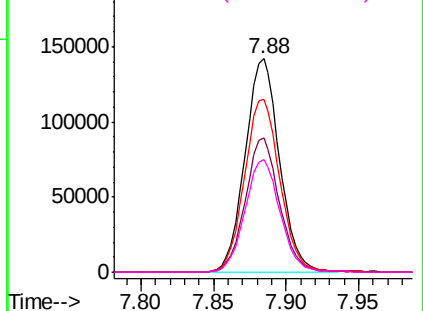
#45
 1,1,2-Trichloroethane
 Concen: 19.449 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02037

Tgt Ion:	97	Resp:	235177
Ion	Ratio	Lower	Upper
97	100		
99	62.7	45.1	83.7
83	81.1	61.7	114.7
85	52.7	41.2	76.4

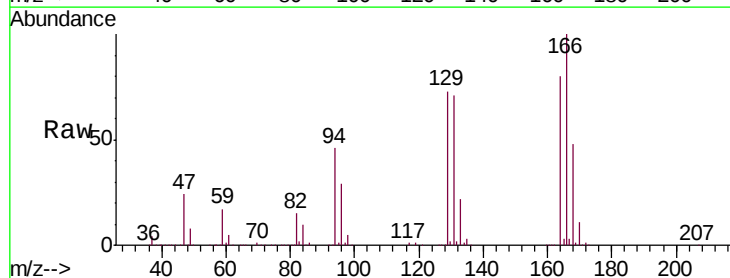


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

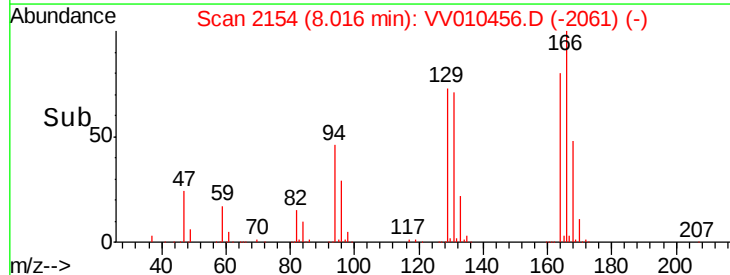
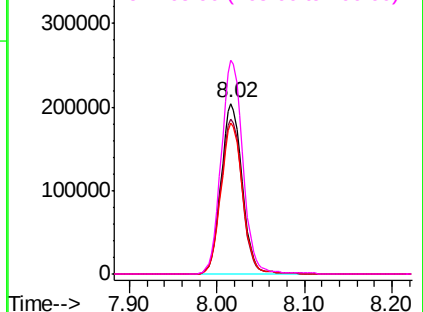


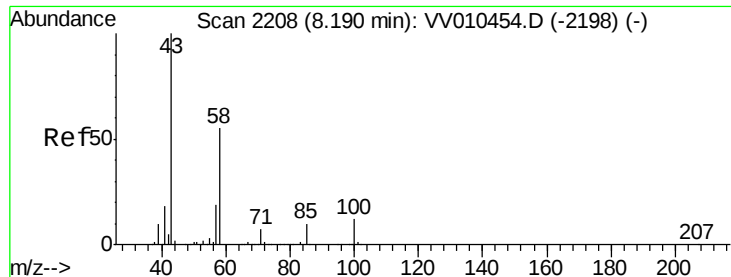
#47
 Tetrachloroethene
 Concen: 20.500 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Tgt Ion:	164	Resp:	344164
Ion	Ratio	Lower	Upper
164	100		
129	91.1	69.7	129.4
131	88.9	63.8	118.6
166	125.2	87.4	162.2



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



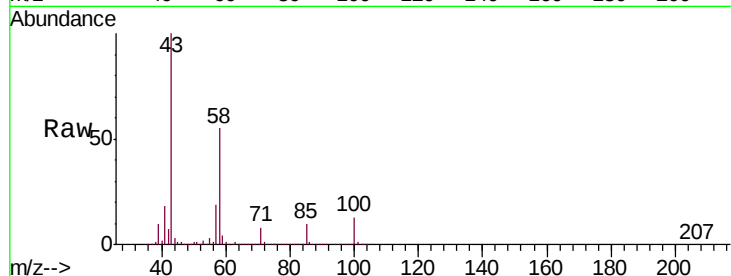


#48
2-Hexanone
Concen: 232.973 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

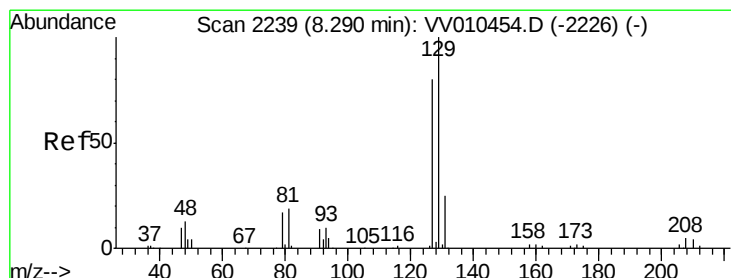
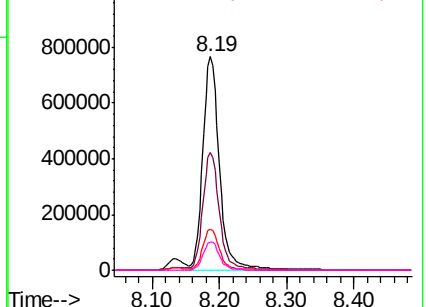
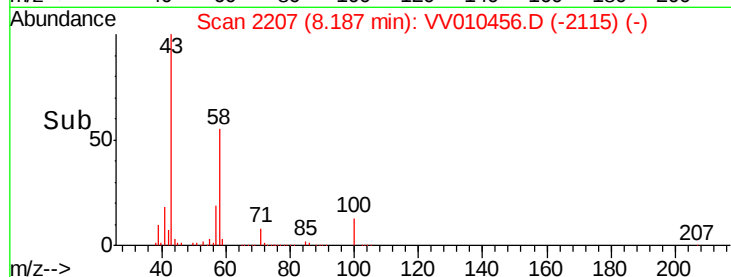
Instrument :
MSVOA_V
ClientSampleId :
VSTD02037

Tgt Ion: 43 Resp: 1313062

Ion	Ratio	Lower	Upper
43	100		
58	55.3	42.2	63.4
57	19.2	15.3	22.9
100	13.2	9.6	14.4



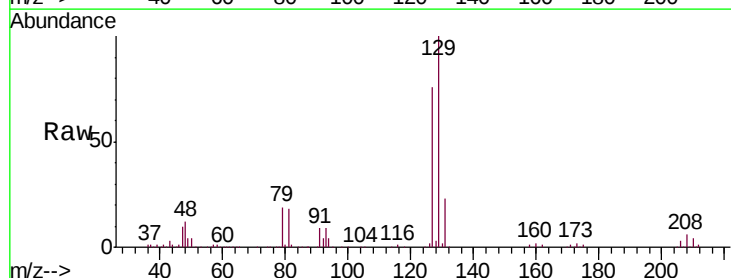
Abundance Ion 43.05 (42.75 to 43.75): VV010456.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV010456.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV010456.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV010456.D (-2198) (-)



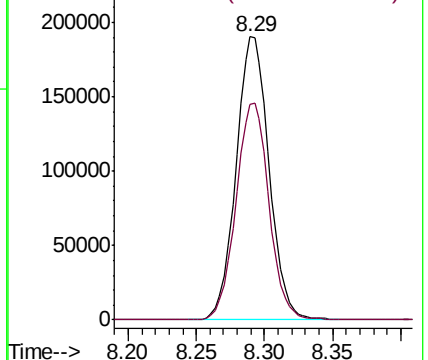
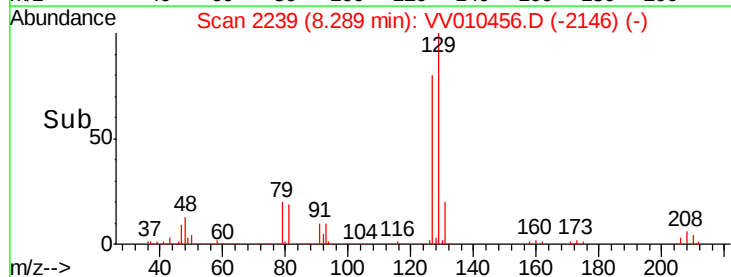
#49
Dibromochloromethane
Concen: 21.960 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

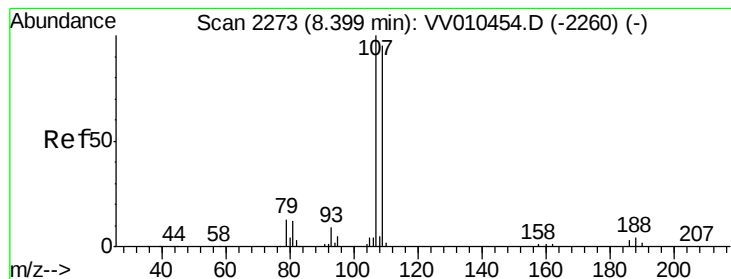
Tgt Ion: 129 Resp: 319137

Ion	Ratio	Lower	Upper
129	100		
127	76.1	56.1	104.1



Abundance Ion 128.95 (128.65 to 129.65): VV010456.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV010456.D (-2226) (-)





#50

1,2-Dibromoethane

Concen: 20.720 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02037

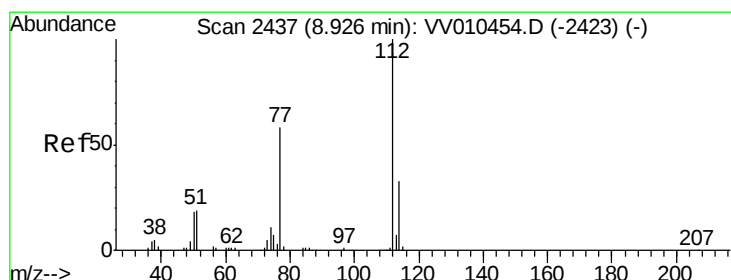
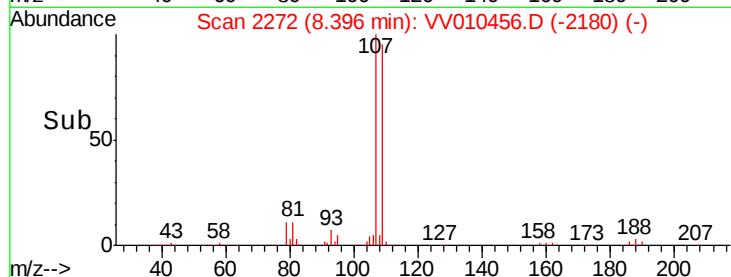
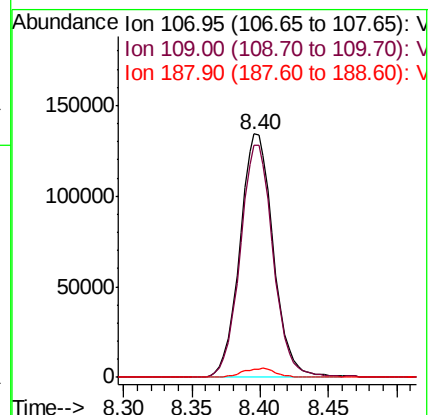
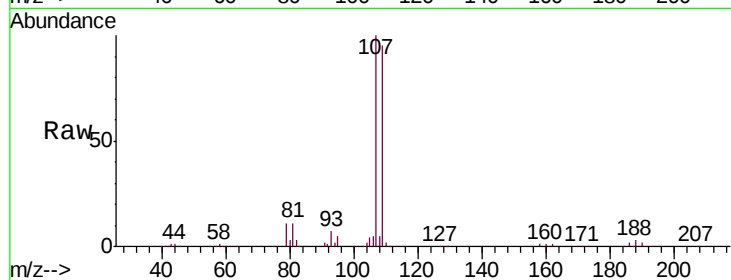
Tgt Ion:107 Resp: 227824

Ion Ratio Lower Upper

107 100

109 95.5 66.1 122.8

188 3.3 3.4 5.0#



#51

Chlorobenzene

Concen: 20.470 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

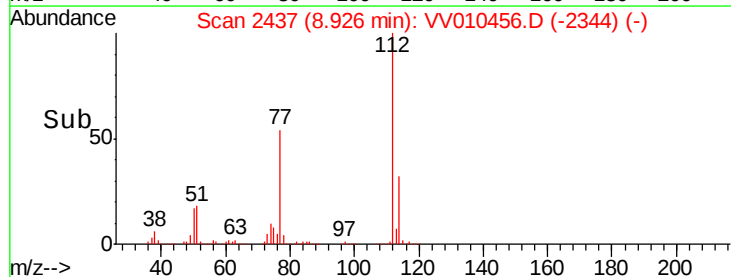
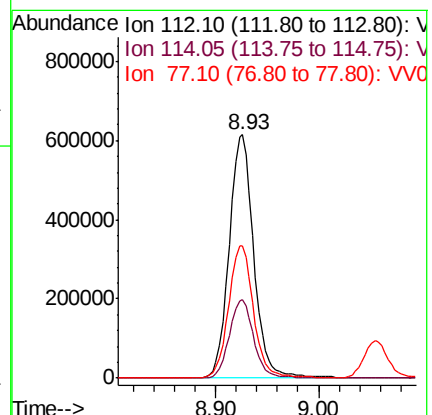
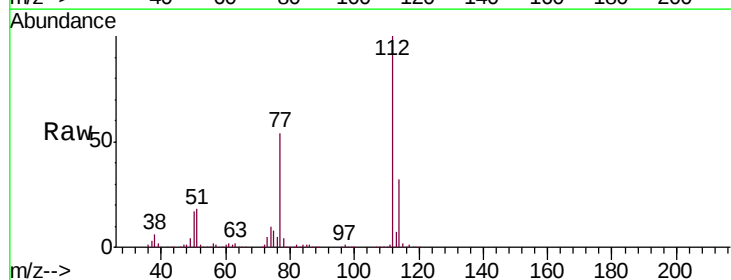
Tgt Ion:112 Resp: 1021973

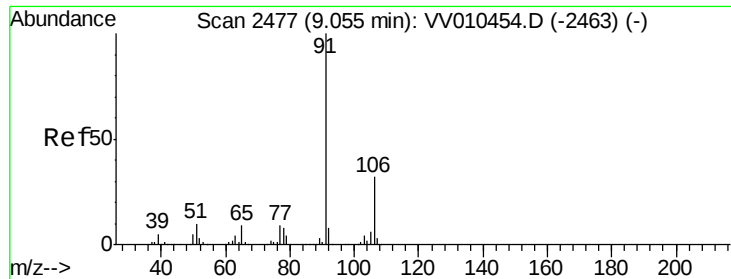
Ion Ratio Lower Upper

112 100

114 32.1 23.0 42.6

77 54.4 46.8 70.2





#52

Ethylbenzene

Concen: 22.328 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

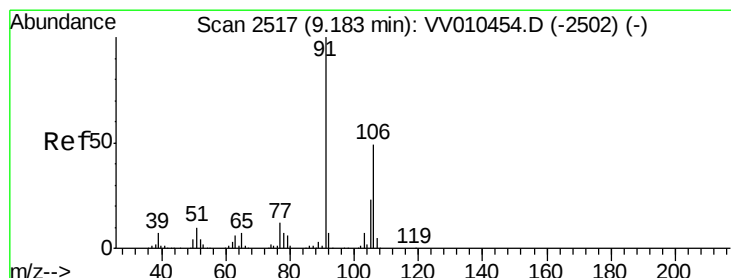
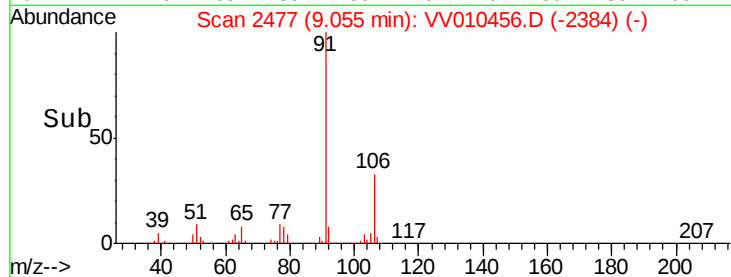
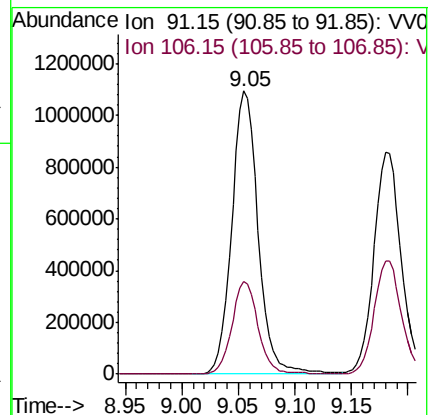
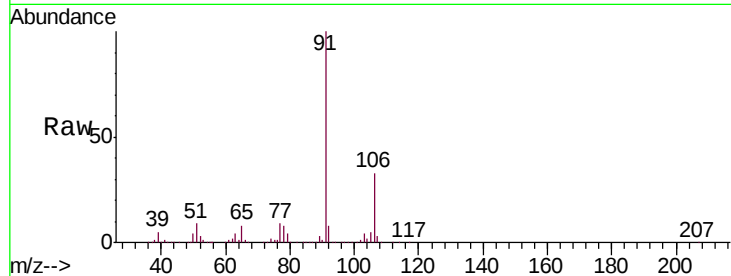
VSTD02037

Tgt Ion: 91 Resp: 1780352

Ion Ratio Lower Upper

91 100

106 32.7 22.4 41.6



#53

m,p-xylene

Concen: 23.966 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010456.D

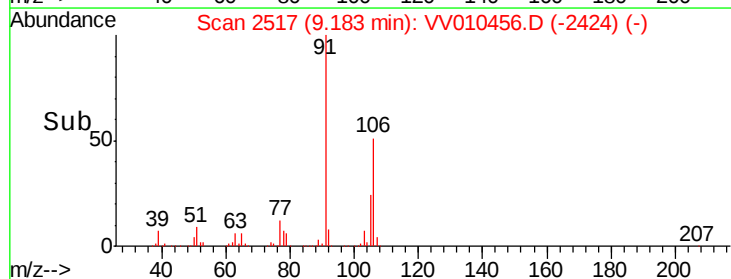
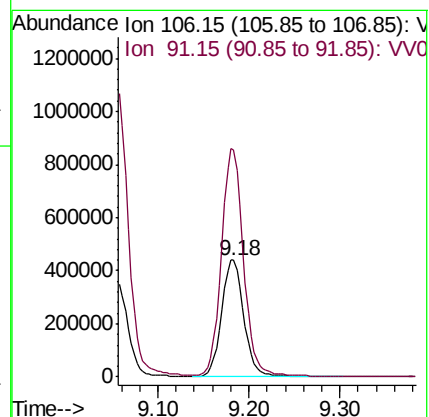
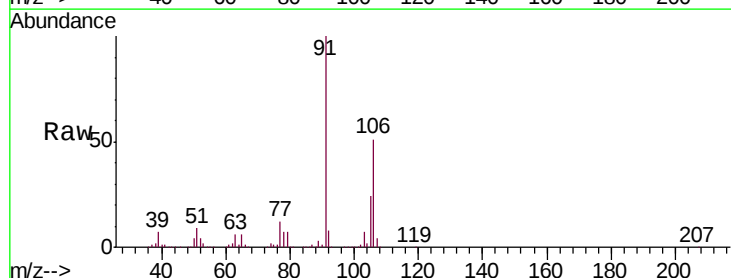
Acq: 24 Apr 2019 12:17

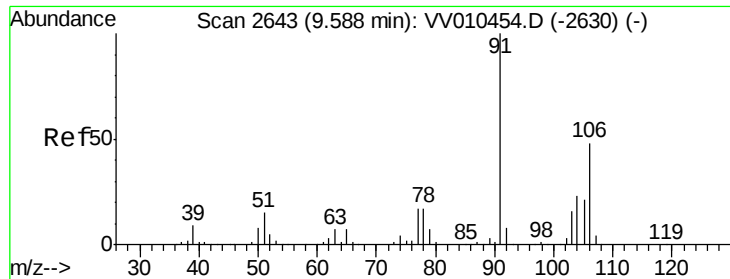
Tgt Ion: 106 Resp: 745492

Ion Ratio Lower Upper

106 100

91 194.4 142.9 265.3





#54

o-xylene

Concen: 24.092 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

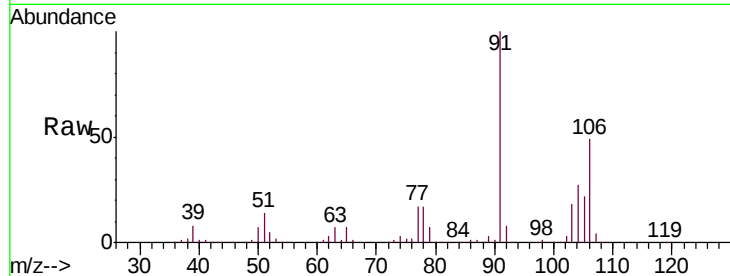
VSTD02037

Tgt Ion:106 Resp: 724315

Ion Ratio Lower Upper

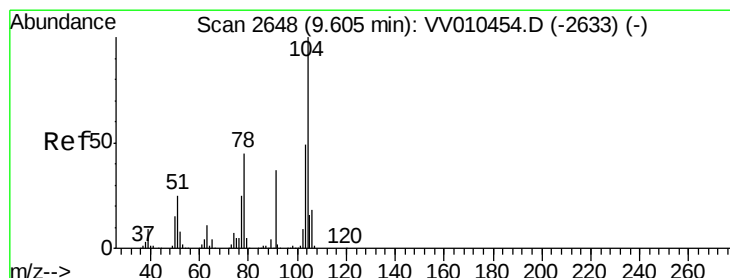
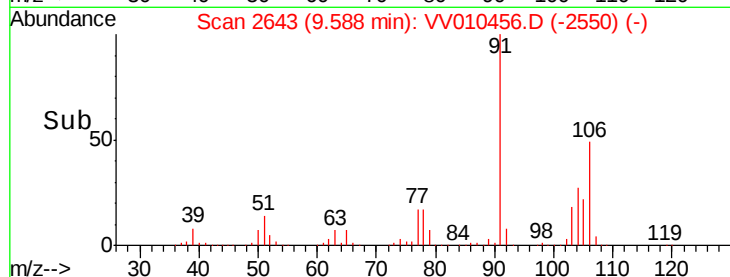
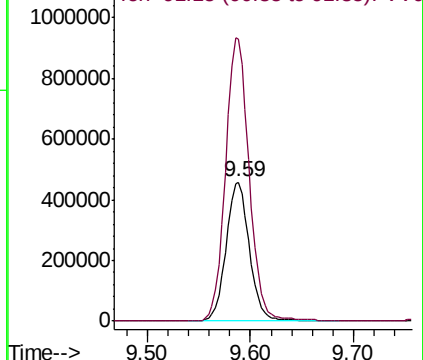
106 100

91 203.1 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 25.152 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010456.D

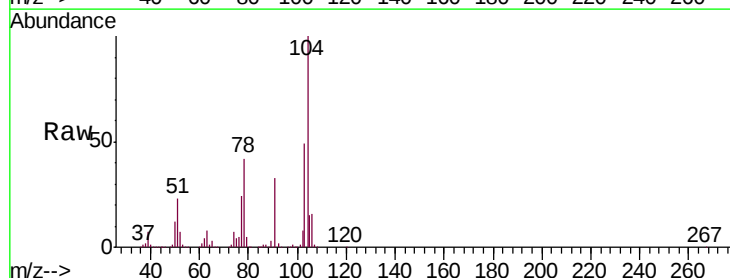
Acq: 24 Apr 2019 12:17

Tgt Ion:104 Resp: 1220106

Ion Ratio Lower Upper

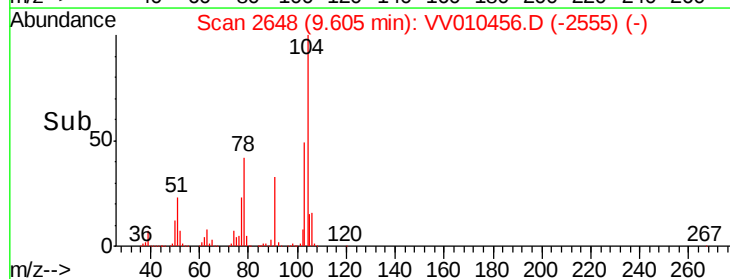
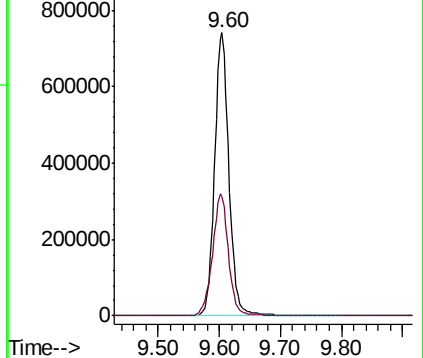
104 100

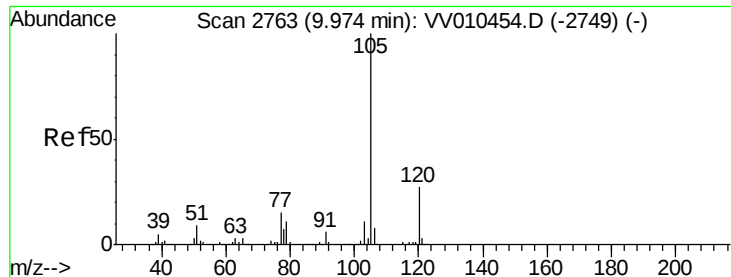
78 42.4 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

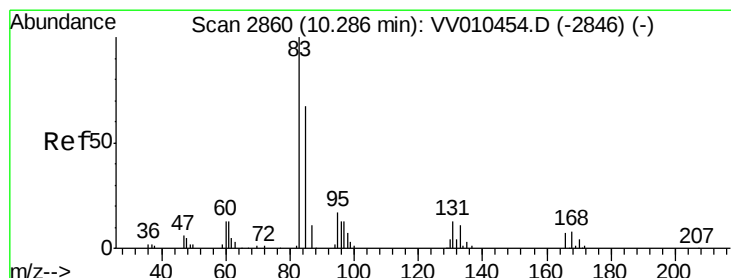
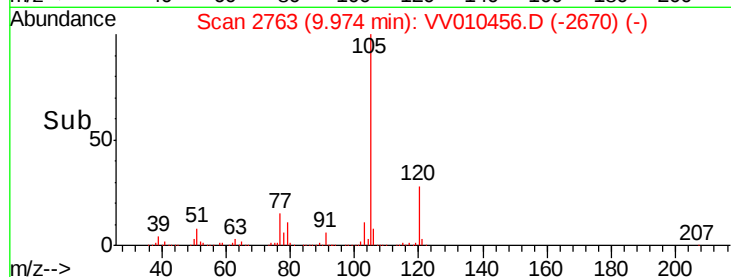
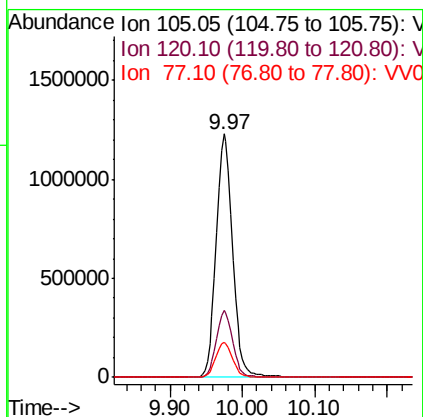
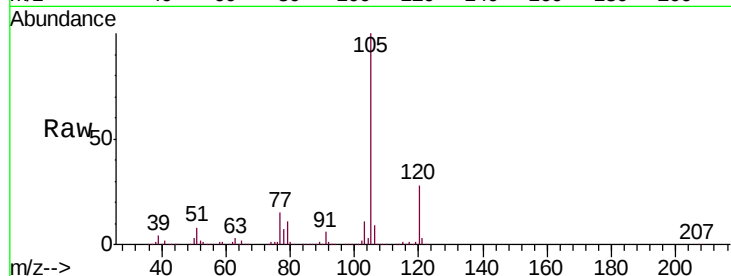




#56
Isopropylbenzene
Concen: 24.248 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

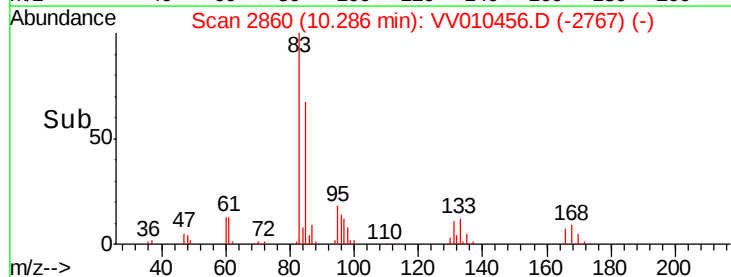
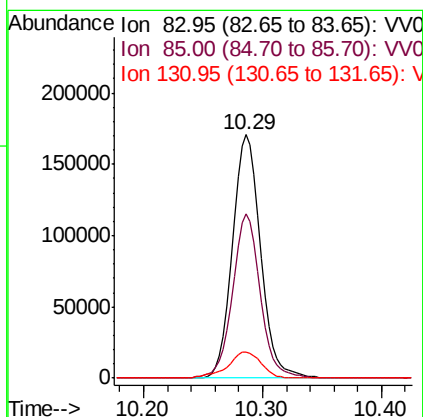
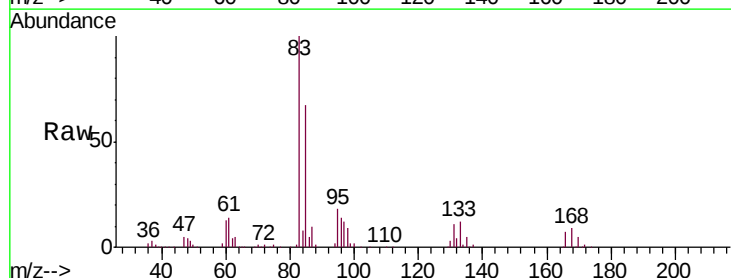
Instrument :
MSVOA_V
ClientSampleId :
VSTD02037

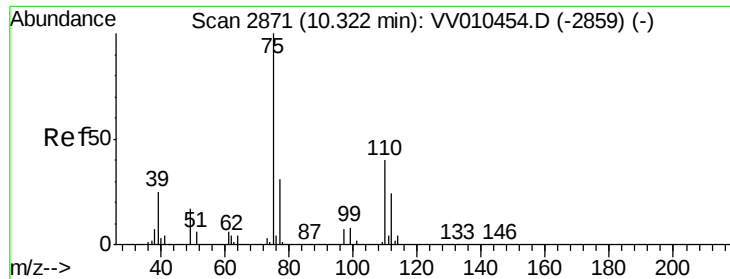
Tgt Ion:105 Resp: 1940424
Ion Ratio Lower Upper
105 100
120 27.7 21.9 32.9
77 14.7 11.9 17.9



#58
1,1,2,2-Tetrachloroethane
Concen: 21.248 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VV010456.D
Acq: 24 Apr 2019 12:17

Tgt Ion: 83 Resp: 279633
Ion Ratio Lower Upper
83 100
85 67.5 46.9 87.1
131 10.7 10.3 15.5





#59

1,2,3-Trichloropropane

Concen: 20.731 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampled :

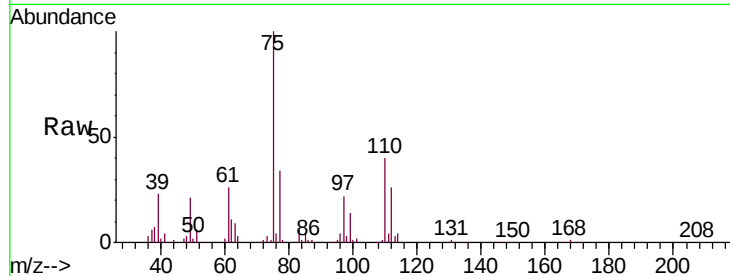
VSTD02037

Tgt Ion: 75 Resp: 195087

Ion Ratio Lower Upper

75 100

77 34.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV010454.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV010454.D (-2859) (-)

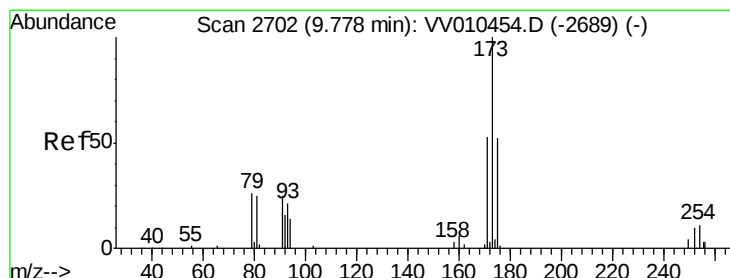
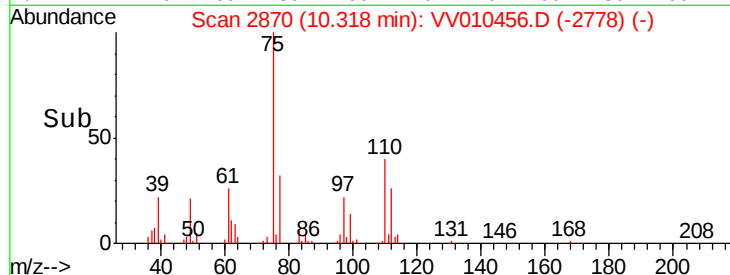
10.32

100000

50000

0

Time-->



#61

Bromoform

Concen: 21.771 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

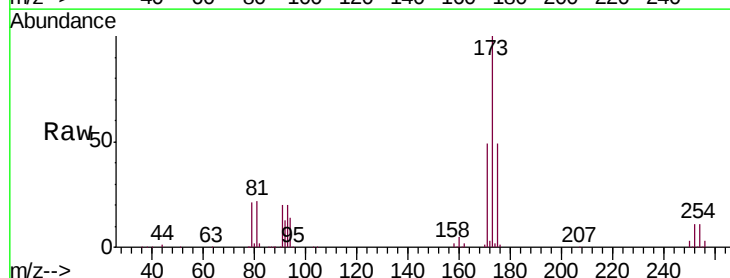
Tgt Ion: 173 Resp: 186731

Ion Ratio Lower Upper

173 100

175 49.8 38.9 58.3

254 10.7 8.1 12.1



Abundance Ion 172.90 (172.60 to 173.60): VV010454.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV010454.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV010454.D (-2689) (-)

9.77

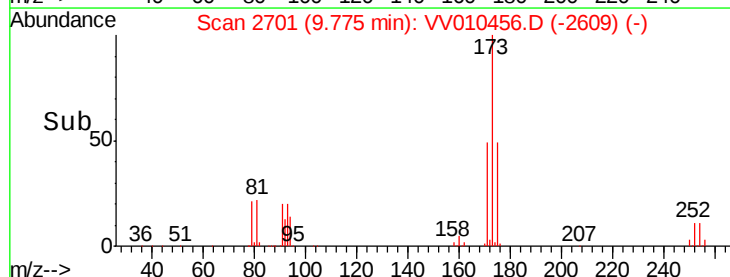
150000

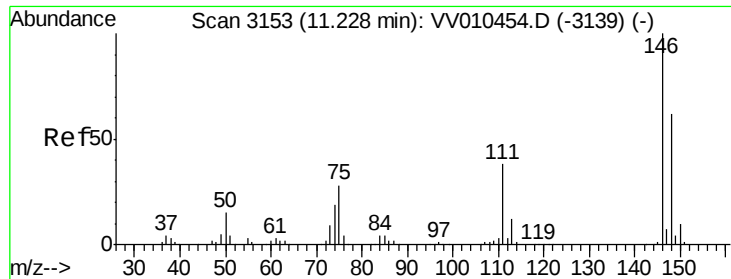
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 20.597 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02037

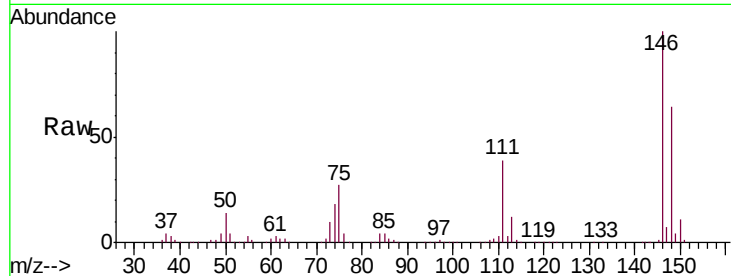
Tgt Ion:146 Resp: 919728

Ion Ratio Lower Upper

146 100

111 39.3 26.3 48.9

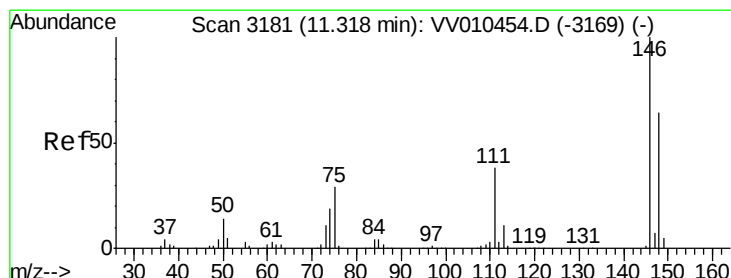
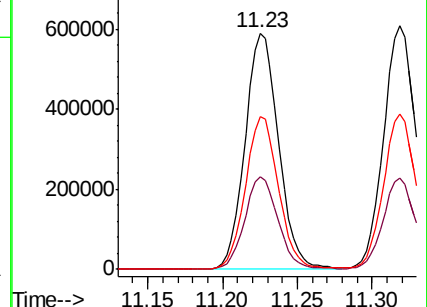
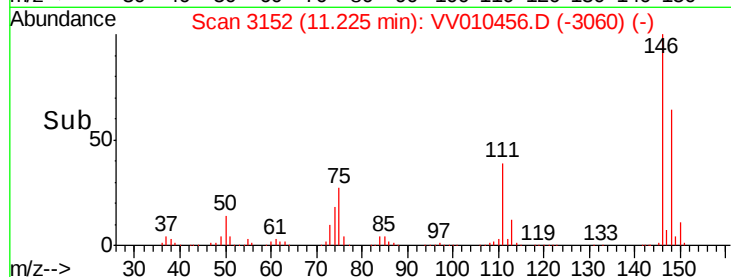
148 64.5 43.3 80.3



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: 20.869 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

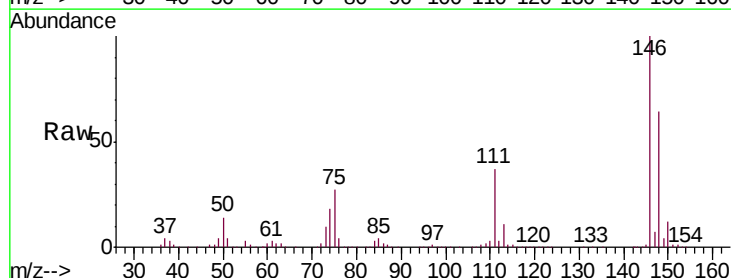
Tgt Ion:146 Resp: 938864

Ion Ratio Lower Upper

146 100

111 37.3 26.6 49.4

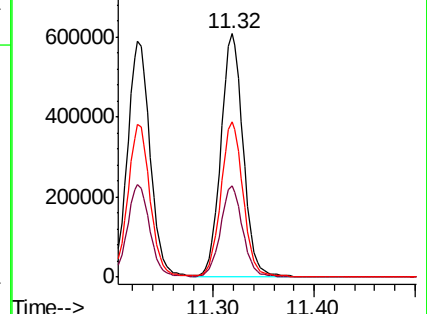
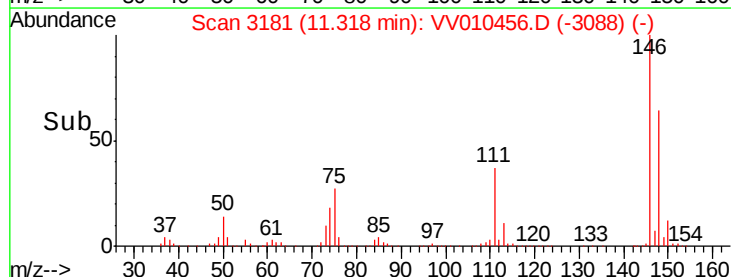
148 64.0 44.5 82.7

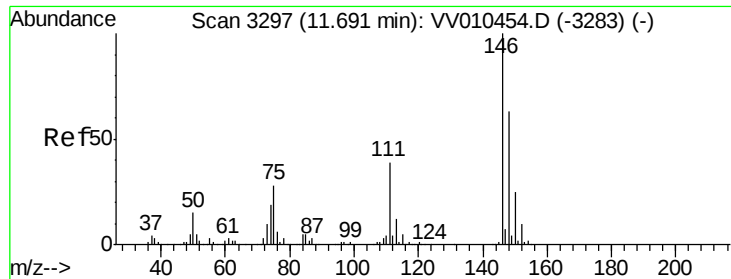


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 20.836 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02037

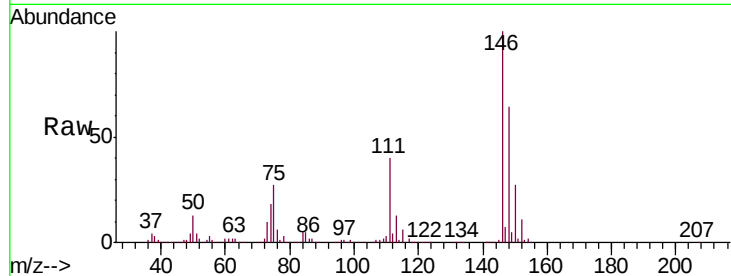
Tgt Ion:146 Resp: 873891

Ion Ratio Lower Upper

146 100

111 40.4 31.6 47.4

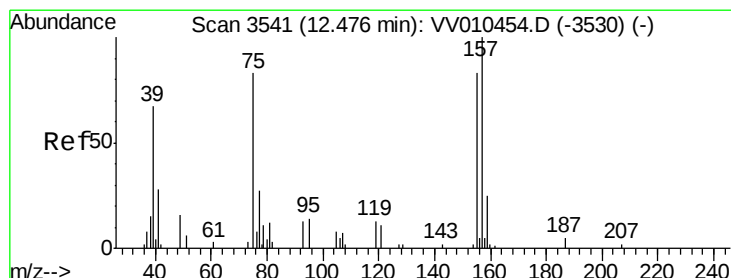
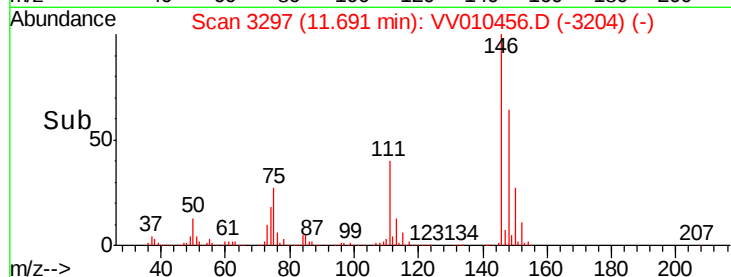
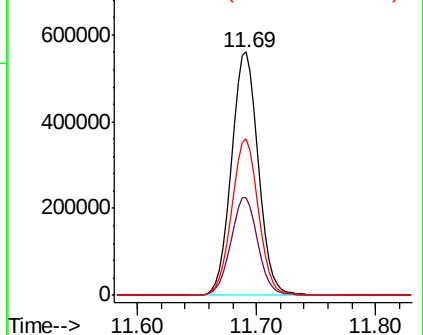
148 64.4 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.505 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

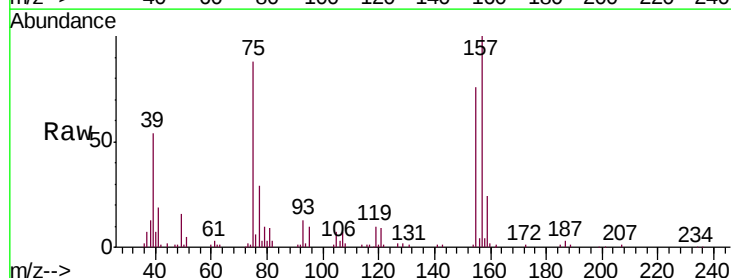
Tgt Ion: 75 Resp: 44805

Ion Ratio Lower Upper

75 100

155 85.9 80.3 120.5

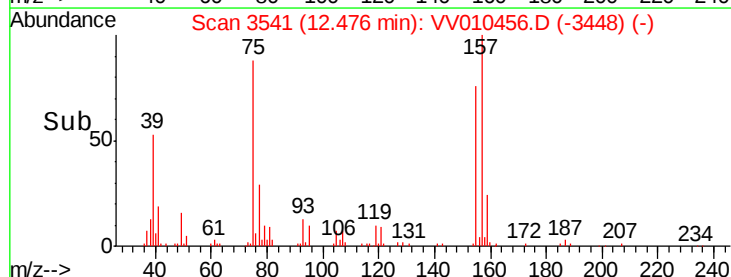
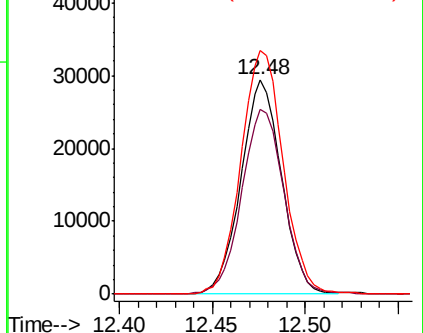
157 113.6 96.7 145.1

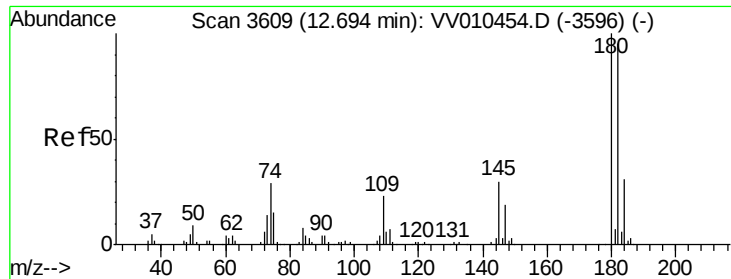


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

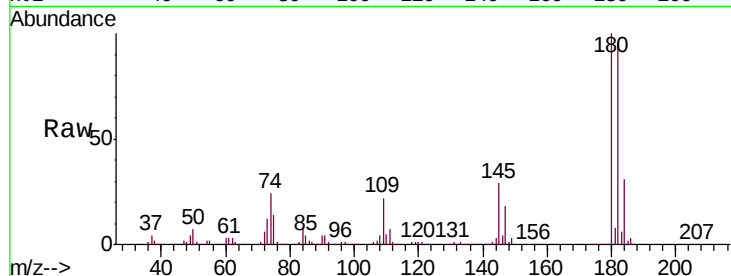




#67
 1,3,5-Trichlorobenzene
 Concen: 22.883 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02037

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.8	112.2
184	30.7	24.0	36.0
145	29.7	23.7	35.5



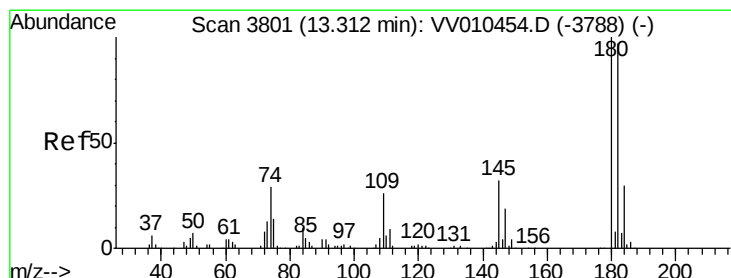
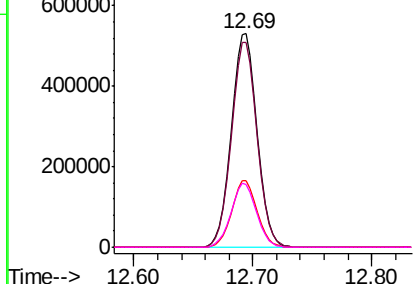
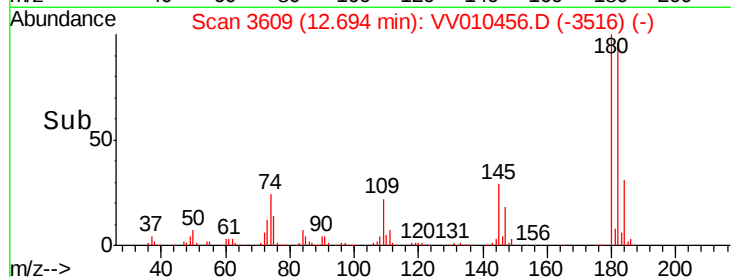
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

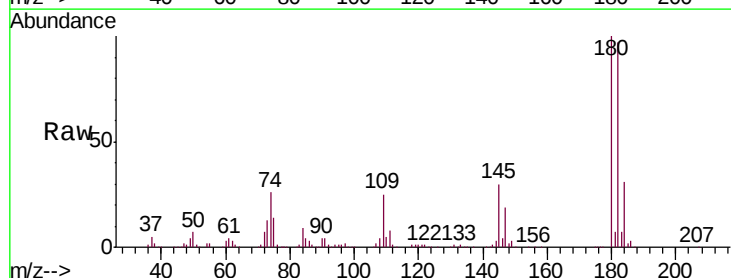
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.979 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010456.D
 Acq: 24 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.3	114.5
145	29.9	24.5	36.7

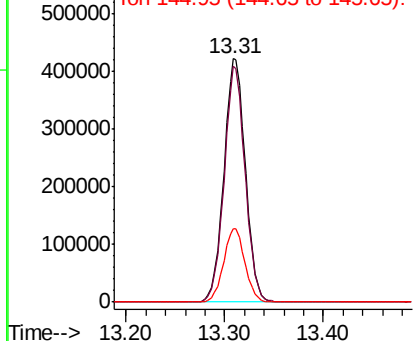
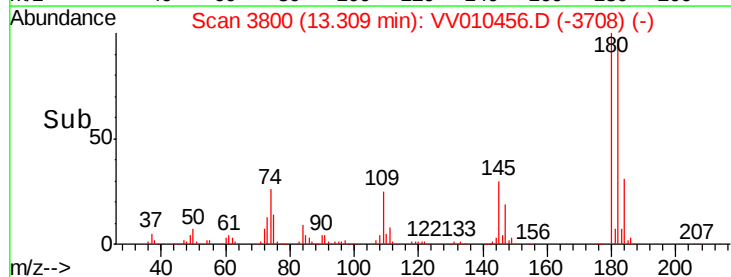


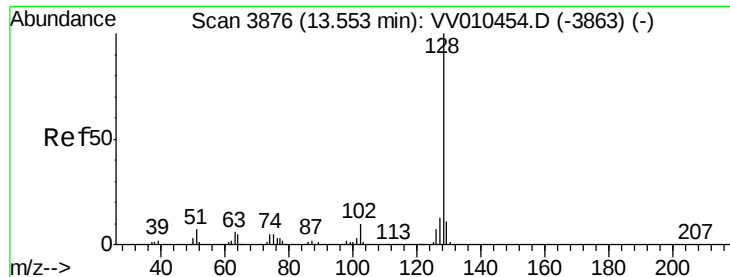
Abundance

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: 32.730 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02037

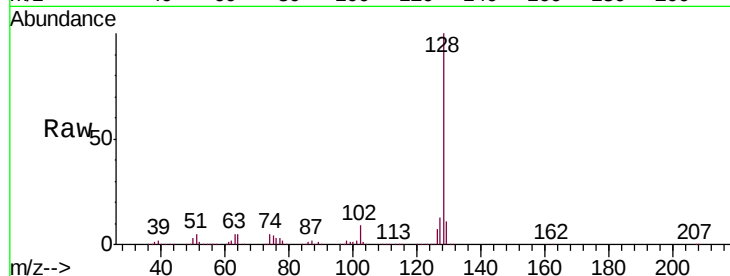
Tgt Ion:128 Resp: 984631

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

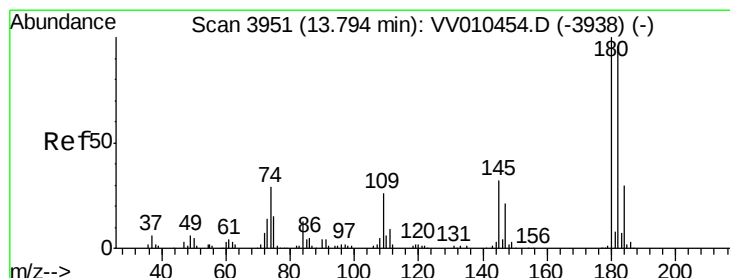
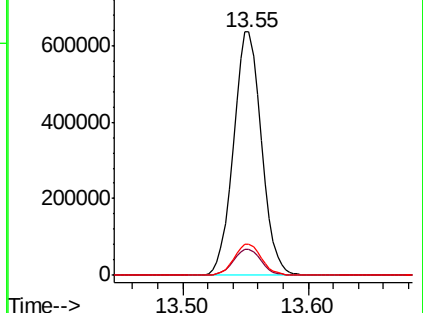
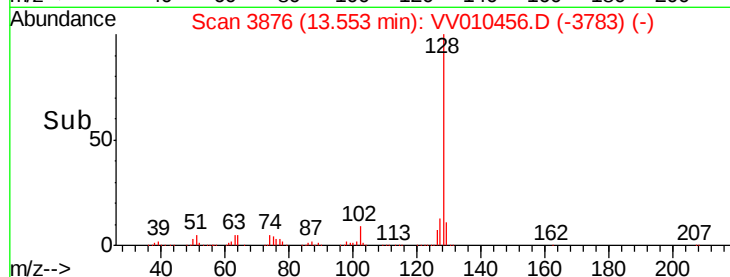
127 12.6 10.3 15.5



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: 26.496 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010456.D

Acq: 24 Apr 2019 12:17

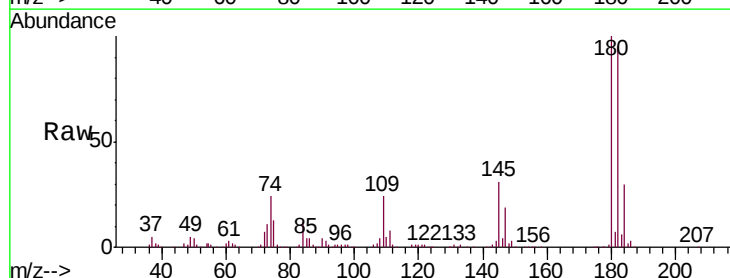
Tgt Ion:180 Resp: 597346

Ion Ratio Lower Upper

180 100

182 95.4 76.9 115.3

145 31.9 25.4 38.0



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

