

Data File : VV012520.D
Acq On : 02 Sep 2019 11:09
Operator : SY/MD
Sample : VSTD02034
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Quant Time: Sep 03 01:49:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 01:44:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	170516	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	168966	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	85100	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	325769	20.99	ug/L	0.00
7) Chloroethane-d5	1.59	69	315022	26.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	794195	28.26	ug/L	0.00
20) 2-Butanone-d5	3.95	46	718776	231.67	ug/L	-0.02
24) Chloroform-d	4.40	84	518216	20.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	263431	20.76	ug/L	0.00
32) Benzene-d6	5.10	84	974986	19.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	304115	19.31	ug/L	0.00
41) Toluene-d8	7.36	98	919935	20.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	120371	21.65	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	538678	246.73	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	224704	20.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	313784	19.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	417463	18.668 ug/L	99
3) Chloromethane	1.25	50	506917	21.709 ug/L	99
5) Vinyl chloride	1.32	62	547772	24.102 ug/L	100
6) Bromomethane	1.54	94	322465	25.552 ug/L	97
8) Chloroethane	1.60	64	370805	28.724 ug/L	98
9) Trichlorofluoromethane	1.77	101	934187	30.480 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	468951	29.821 ug/L	98
12) 1,1-Dichloroethene	2.14	96	434843	29.207 ug/L	99
13) Acetone	2.22	43	847314	312.609 ug/L	99
14) Carbon disulfide	2.32	76	1358725	29.757 ug/L	100
15) Methyl Acetate	2.47	43	216807	32.168 ug/L	98
16) Methylene chloride	2.53	84	467607	27.387 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	794025	22.166 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	347773	20.813 ug/L	97
19) 1,1-Dichloroethane	3.23	63	679213	20.848 ug/L	99
21) 2-Butanone	4.04	43	955566	229.375 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	375680	21.674 ug/L	98
23) Bromochloromethane	4.30	128	141821	19.095 ug/L	97
25) Chloroform	4.42	83	672090	19.714 ug/L	99
27) 1,2-Dichloroethane	5.18	62	430627	22.171 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	566506	20.873 ug/L	96
30) Cyclohexane	4.72	56	629998	22.795 ug/L	98
31) Carbon tetrachloride	4.87	117	486831	20.397 ug/L	100
33) Benzene	5.14	78	1448016	20.751 ug/L	100
34) Trichloroethene	5.96	95	374745	20.978 ug/L	98
35) Methylcyclohexane	6.17	83	639223	23.528 ug/L	97
37) 1,2-Dichloropropane	6.22	63	375283	20.775 ug/L	99
38) Bromodichloromethane	6.55	83	480187	21.149 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	555292	23.570 ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	2457766	235.928 ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1599214	22.320	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	434056	23.615	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	237633	19.703	ug/L	98
47) Tetrachloroethene	8.02	164	272696	19.365	ug/L	97
48) 2-Hexanone	8.18	43	1765227	248.580	ug/L	99
49) Dibromochloromethane	8.29	129	293358	21.412	ug/L	98
50) 1,2-Dibromoethane	8.40	107	222968	21.029	ug/L	97
51) Chlorobenzene	8.92	112	973583	21.471	ug/L	98
52) Ethylbenzene	9.05	91	1829710	24.006	ug/L	99
53) m,p-xylene	9.18	106	671274	24.302	ug/L	100
54) o-xylene	9.59	106	658498	24.330	ug/L	96
55) Styrene	9.60	104	1128364	24.944	ug/L	99
56) Isopropylbenzene	9.97	105	1802160	25.129	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	284332	20.253	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	211279	20.871	ug/L	97
61) Bromoform	9.77	173	148650	19.333	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	764937	21.534	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	771505	21.639	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	699907	20.962	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	45998	20.406	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	588458	22.228	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	471762	24.298	ug/L	99
69) Naphthalene	13.55	128	812189	28.977	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	421303	22.996	ug/L	97

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

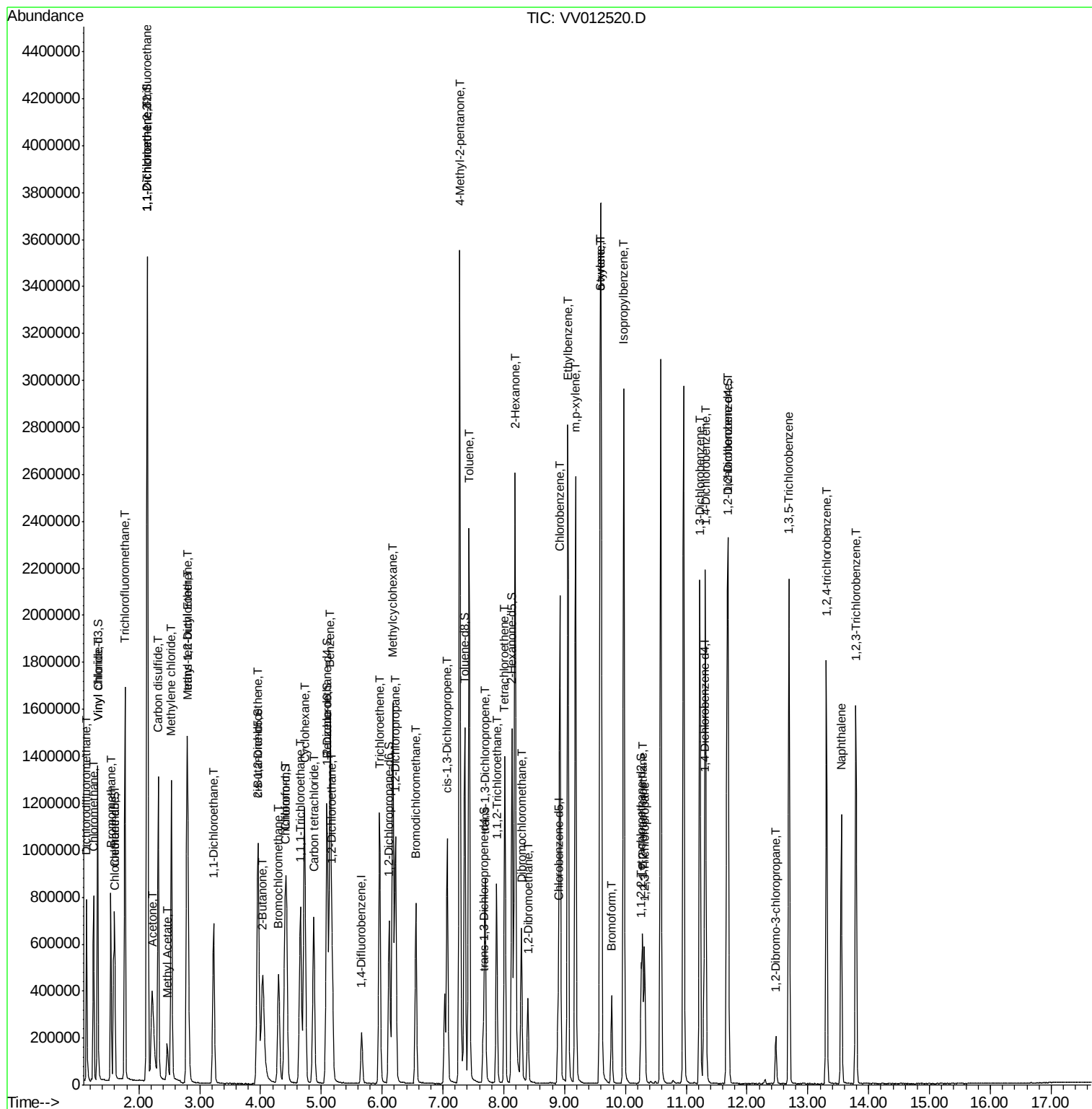
Quant Time: Sep 03 01:49:32 2019

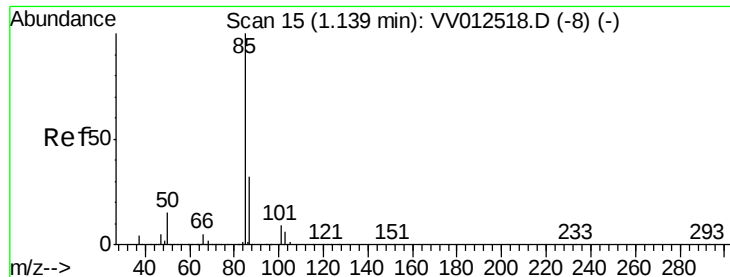
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR090219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Sep 03 01:44:55 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 18.668 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

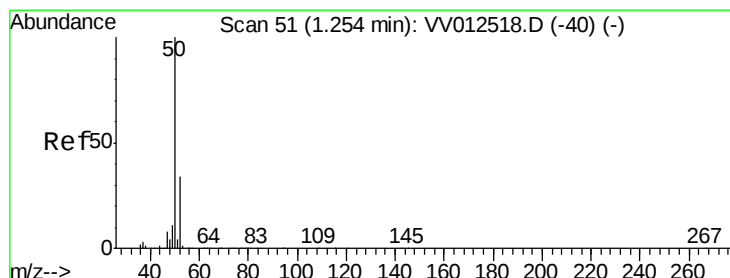
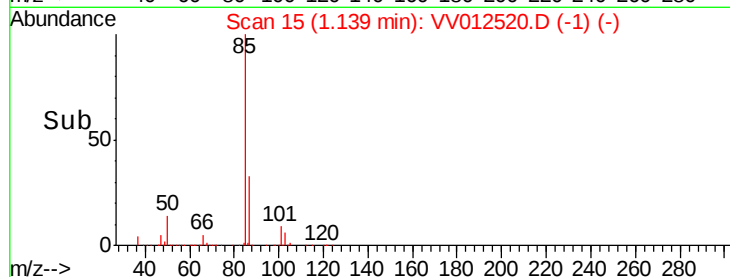
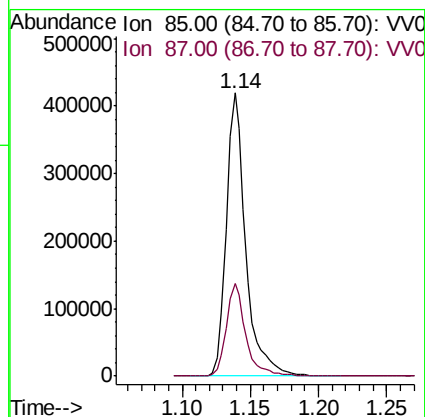
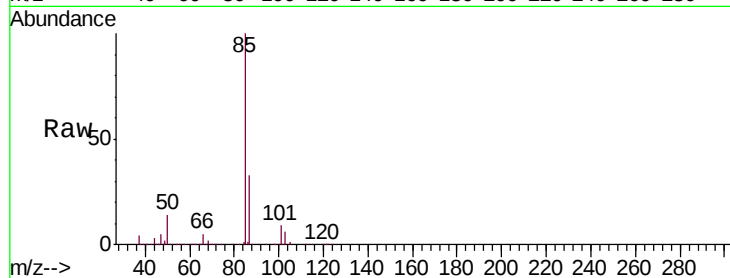
VSTD02034

Tgt Ion: 85 Resp: 417463

Ion Ratio Lower Upper

85 100

87 32.7 26.4 39.6



#3

Chloromethane

Concen: 21.709 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012520.D

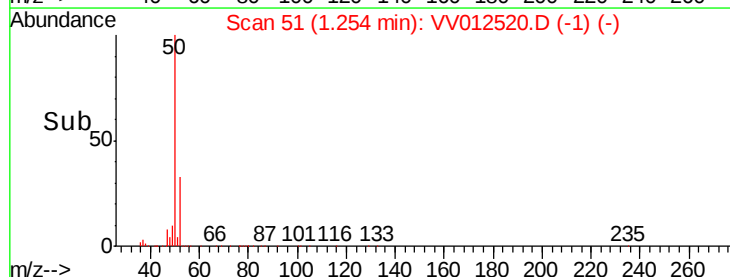
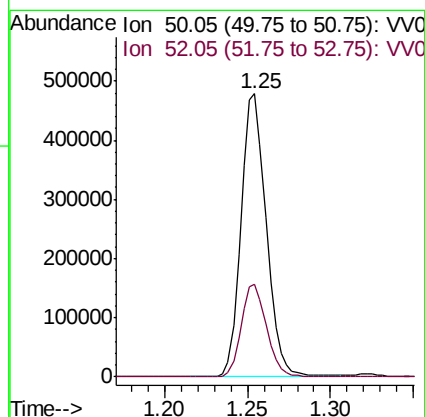
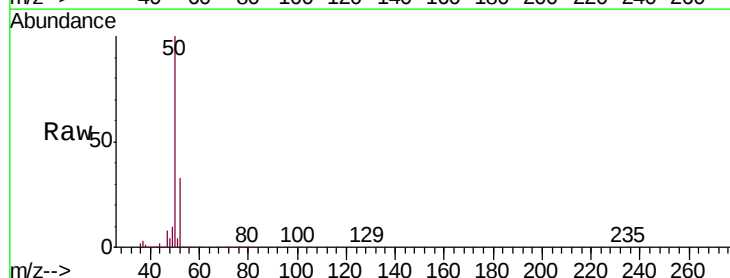
Acq: 02 Sep 2019 11:09

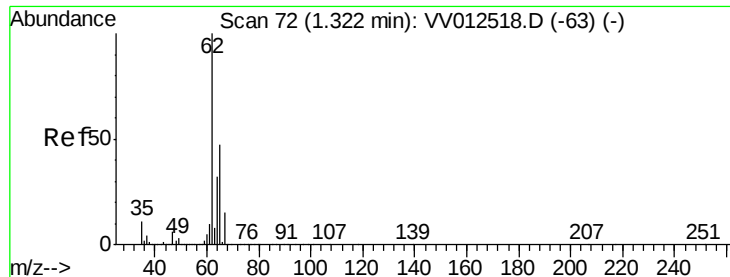
Tgt Ion: 50 Resp: 506917

Ion Ratio Lower Upper

50 100

52 33.0 23.5 43.7





#5

Vinyl chloride

Concen: 24.102 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

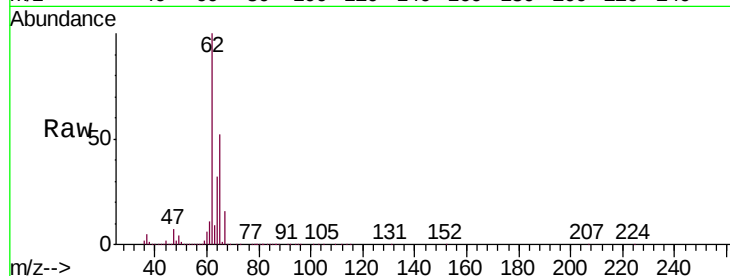
VSTD02034

Tgt Ion: 62 Resp: 547772

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

600000

500000

400000

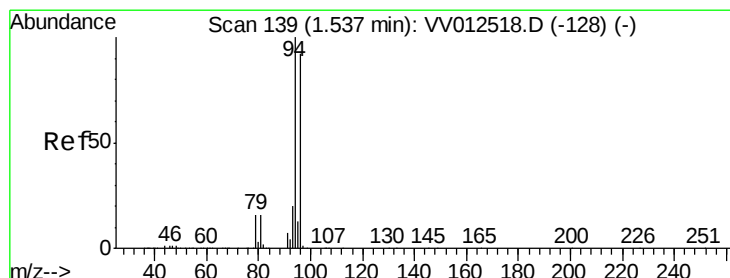
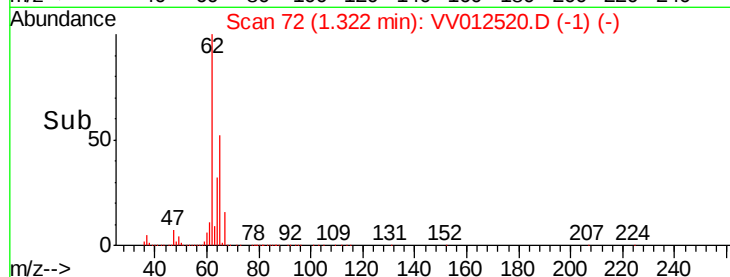
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 25.552 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012520.D

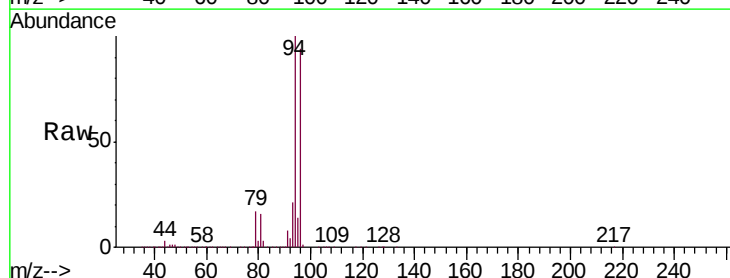
Acq: 02 Sep 2019 11:09

Tgt Ion: 94 Resp: 322465

Ion Ratio Lower Upper

94 100

96 94.3 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

300000

250000

200000

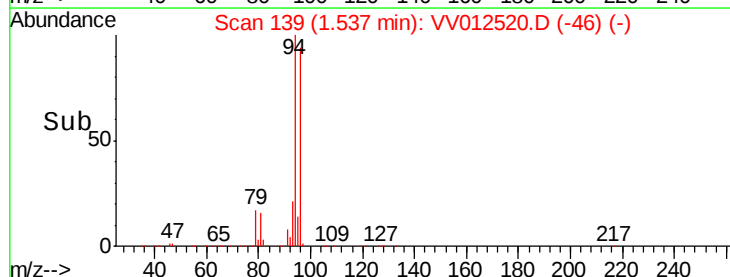
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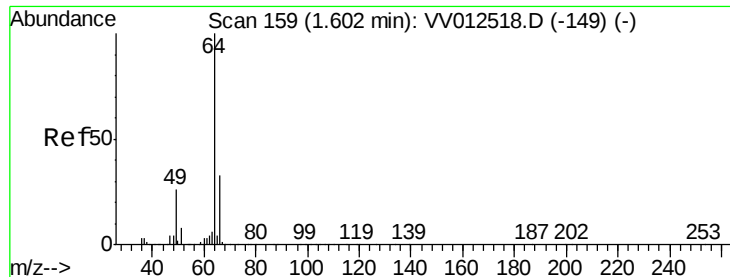
100000

50000

0

Time-->





#8

Chloroethane

Concen: 28.724 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

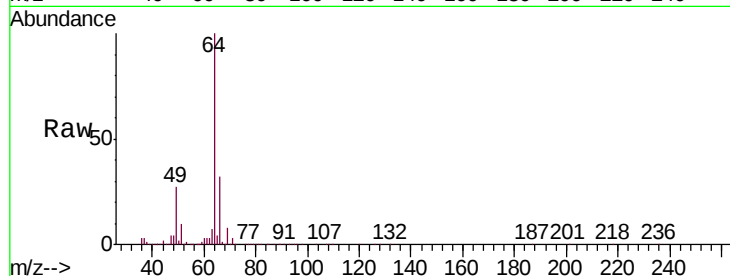
VSTD02034

Tgt Ion: 64 Resp: 370805

Ion Ratio Lower Upper

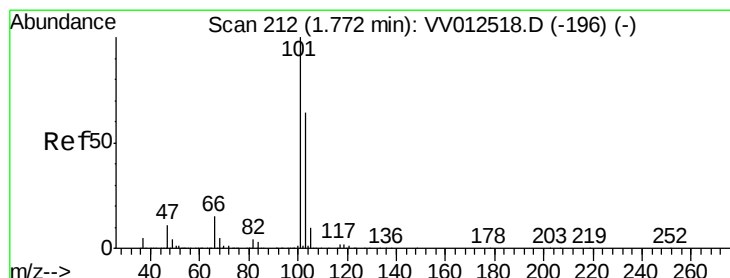
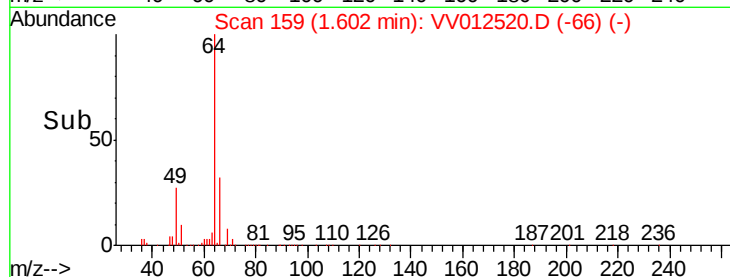
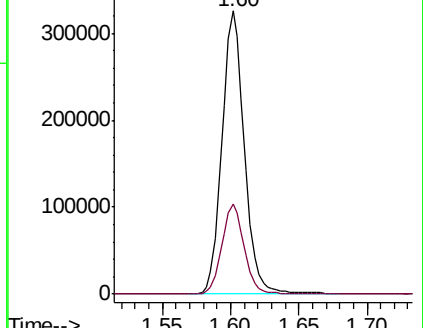
64 100

66 31.7 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV012518.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012518.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 30.480 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012520.D

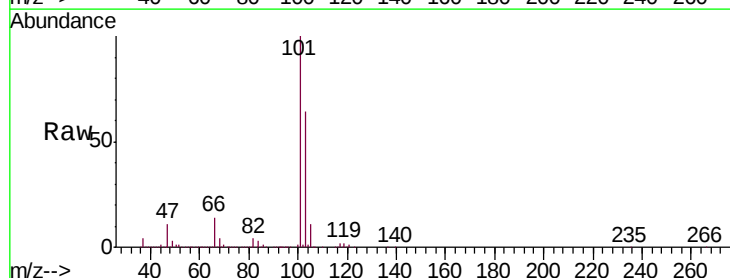
Acq: 02 Sep 2019 11:09

Tgt Ion: 101 Resp: 934187

Ion Ratio Lower Upper

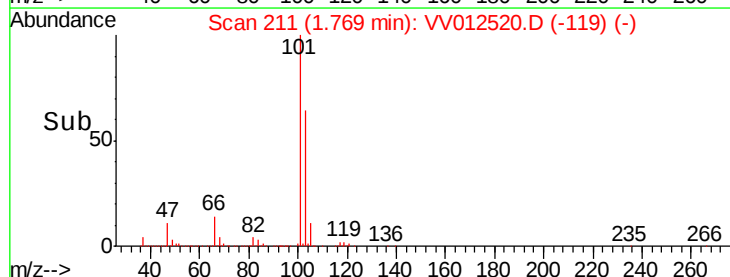
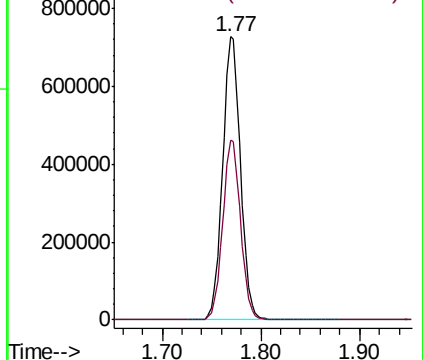
101 100

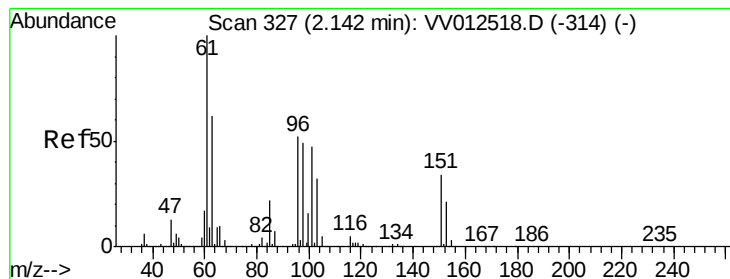
103 63.6 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV012518.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV012518.D (-196) (-)





#10

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

Concen: 29.821 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

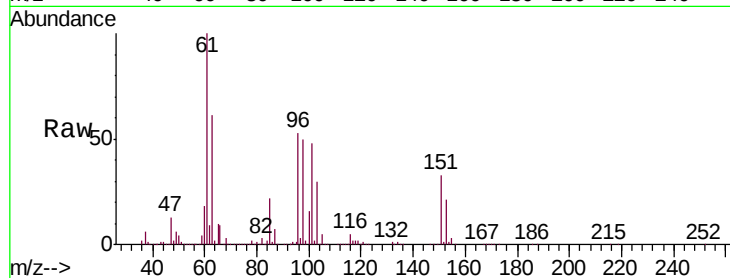
Tgt Ion: 101 Resp: 468951

Ion Ratio Lower Upper

101 100

85 45.8 37.4 56.0

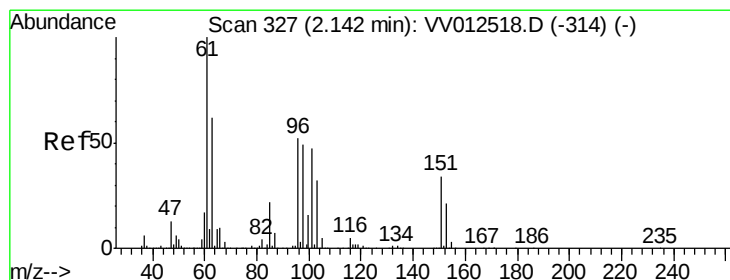
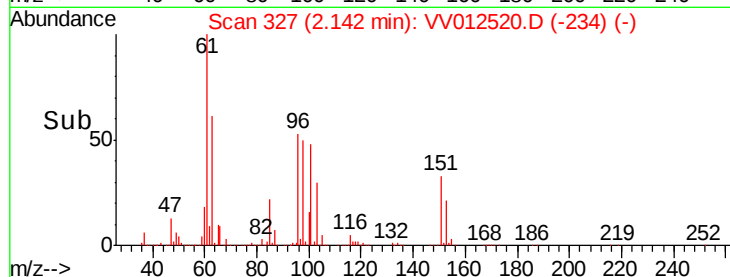
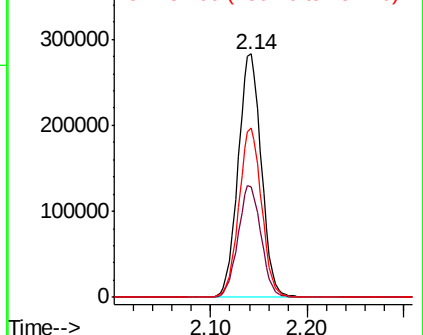
151 68.3 56.7 85.1



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: 29.207 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

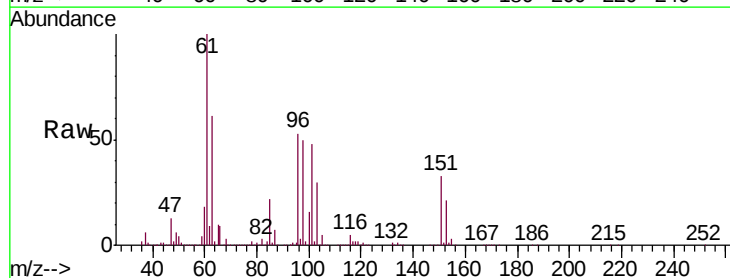
Tgt Ion: 96 Resp: 434843

Ion Ratio Lower Upper

96 100

61 190.2 133.7 248.3

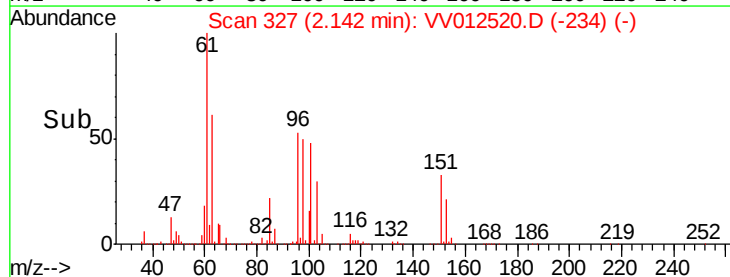
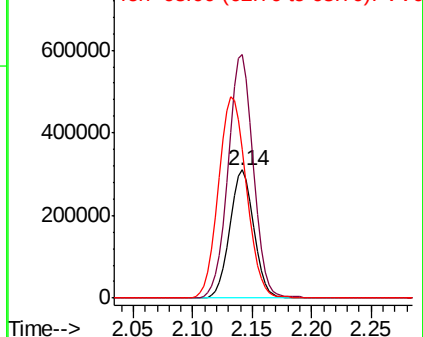
63 115.9 83.2 154.6

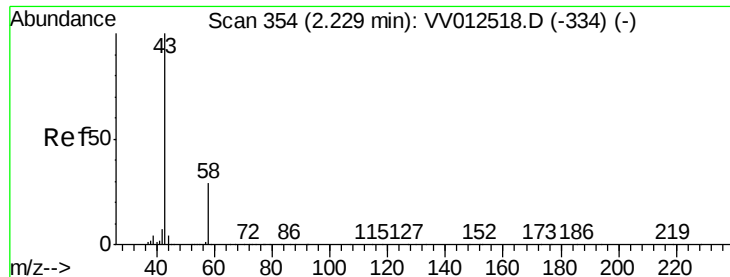


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 312.609 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

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Acq: 02 Sep 2019 11:09

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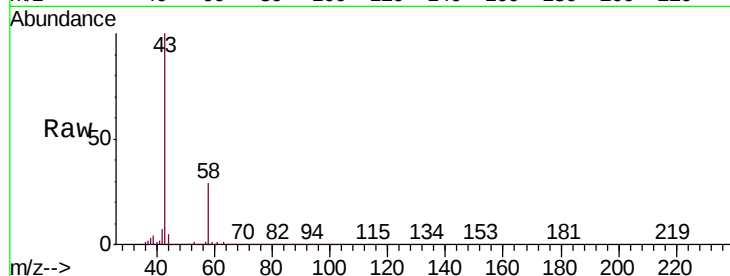
VSTD02034

Tgt Ion: 43 Resp: 847314

Ion Ratio Lower Upper

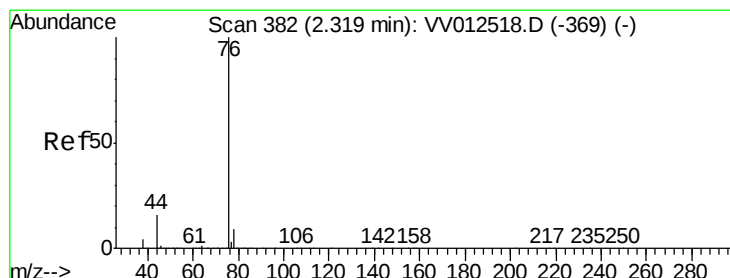
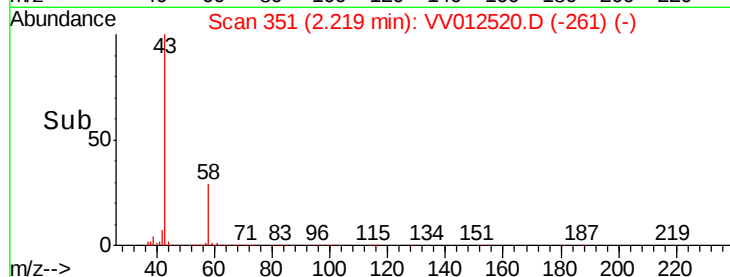
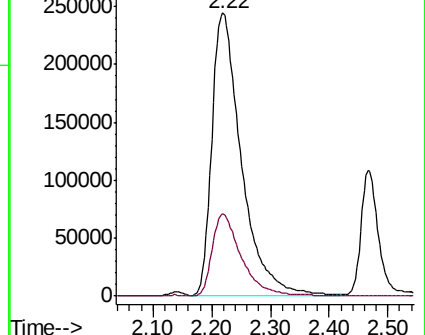
43 100

58 28.6 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV012518.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV012518.D (-334) (-)



#14

Carbon disulfide

Concen: 29.757 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012520.D

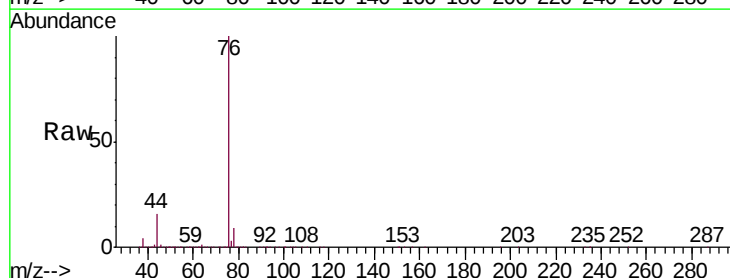
Acq: 02 Sep 2019 11:09

Tgt Ion: 76 Resp: 1358725

Ion Ratio Lower Upper

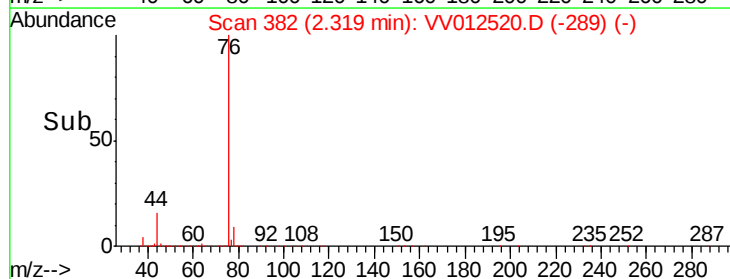
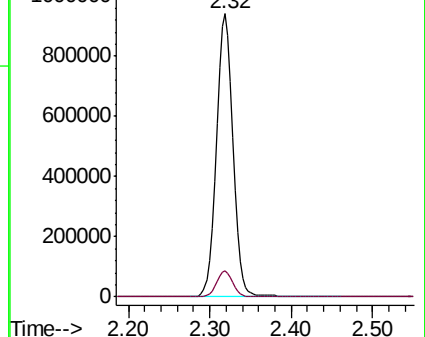
76 100

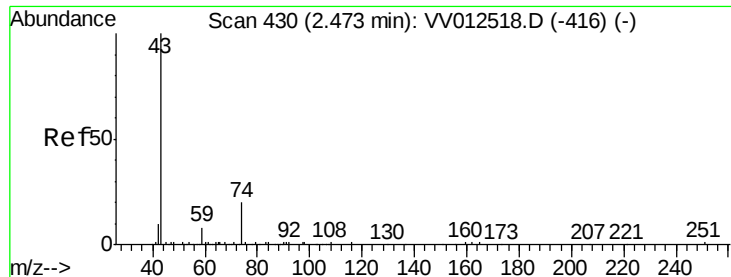
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV012518.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012518.D (-369) (-)

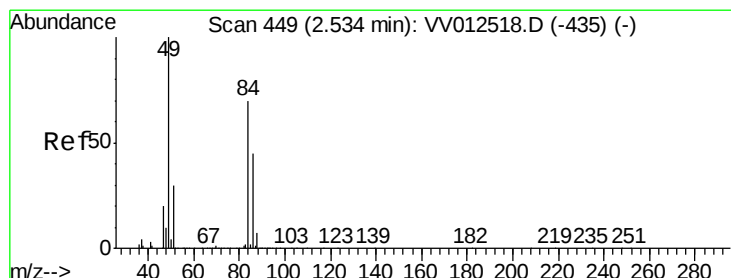
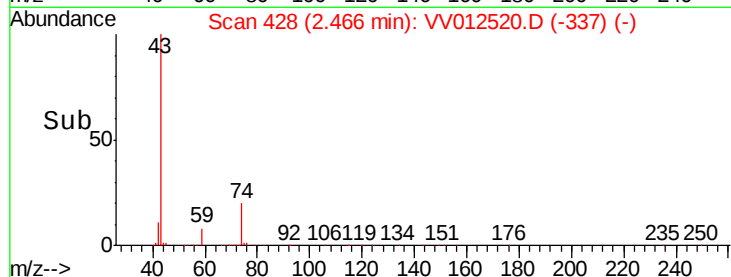
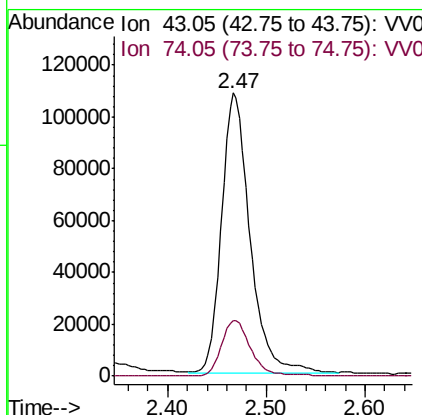
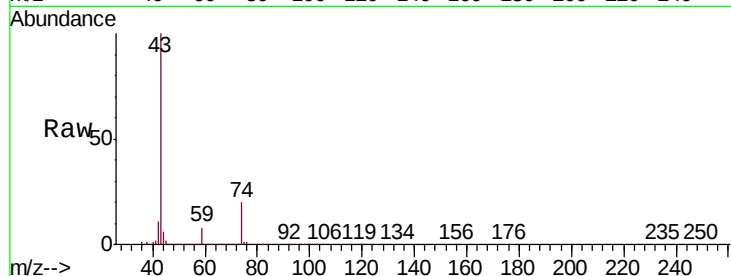




#15
Methyl Acetate
Concen: 32.168 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.01 min
Lab File: VV012520.D
Acq: 02 Sep 2019 11:09

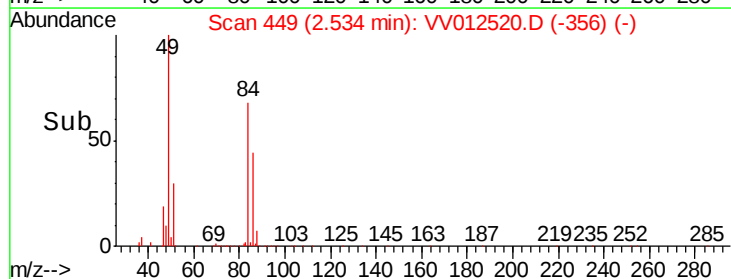
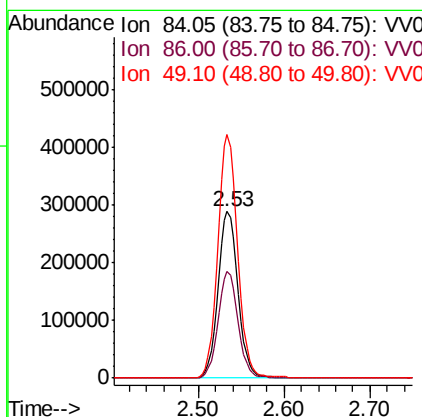
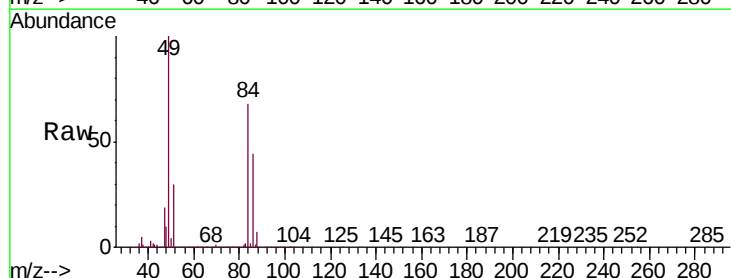
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

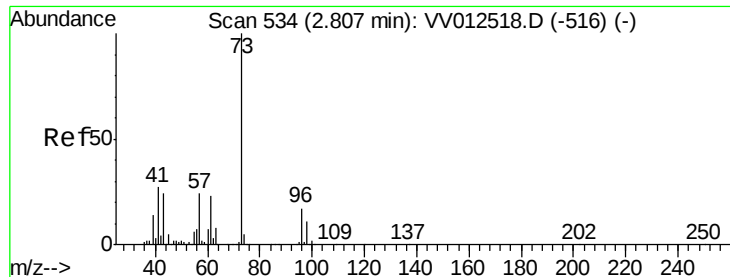
Tgt Ion: 43 Resp: 216807
Ion Ratio Lower Upper
43 100
74 20.4 17.3 25.9



#16
Methylene chloride
Concen: 27.387 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012520.D
Acq: 02 Sep 2019 11:09

Tgt Ion: 84 Resp: 467607
Ion Ratio Lower Upper
84 100
86 63.7 45.2 84.0
49 146.3 100.4 186.4





#17

Methyl tert-butyl Ether

Concen: 22.166 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

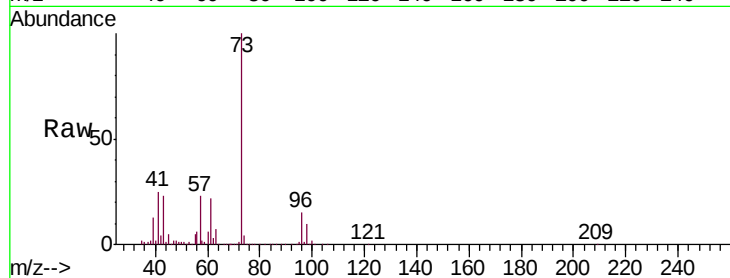
Tgt Ion: 73 Resp: 794025

Ion Ratio Lower Upper

73 100

43 22.8 18.9 28.3

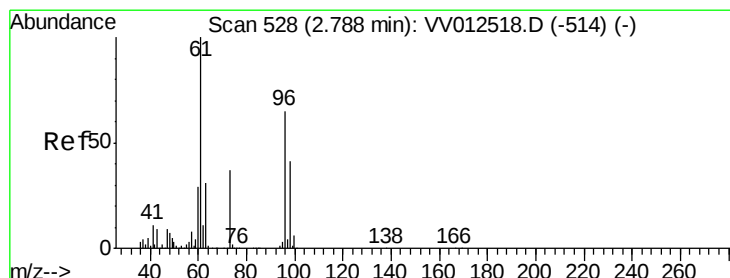
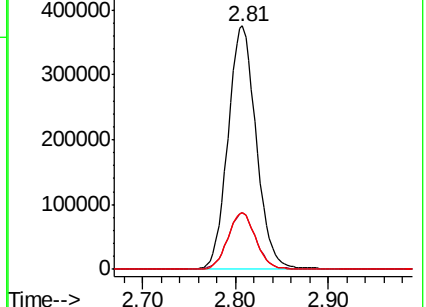
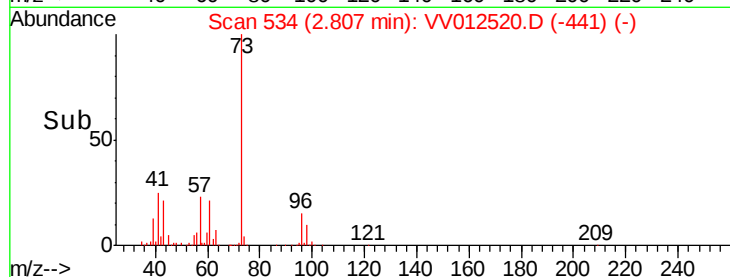
57 23.1 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VV012520.D (-441) (-)

Ion 43.05 (42.75 to 43.75): VV012520.D (-441) (-)

Ion 57.10 (56.80 to 57.80): VV012520.D (-441) (-)



#18

trans-1,2-Dichloroethene

Concen: 20.813 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

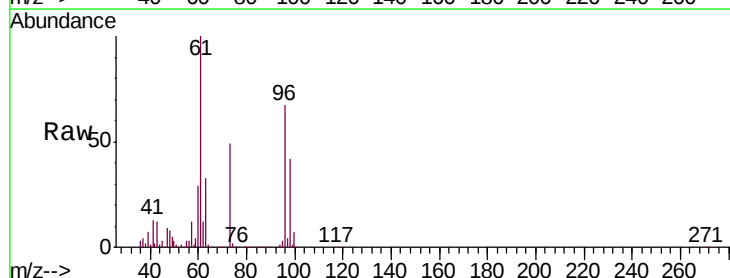
Tgt Ion: 96 Resp: 347773

Ion Ratio Lower Upper

96 100

61 149.0 107.6 199.8

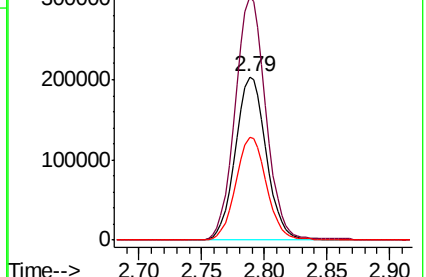
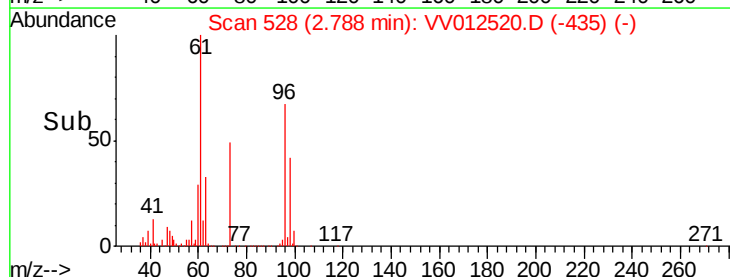
98 62.9 44.4 82.4

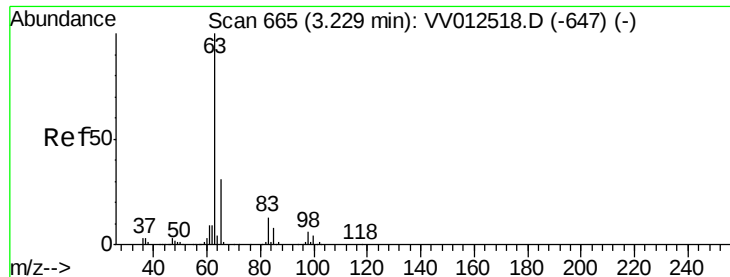


Abundance Ion 96.00 (95.70 to 96.70): VV012520.D (-435) (-)

Ion 61.05 (60.75 to 61.75): VV012520.D (-435) (-)

Ion 97.95 (97.65 to 98.65): VV012520.D (-435) (-)

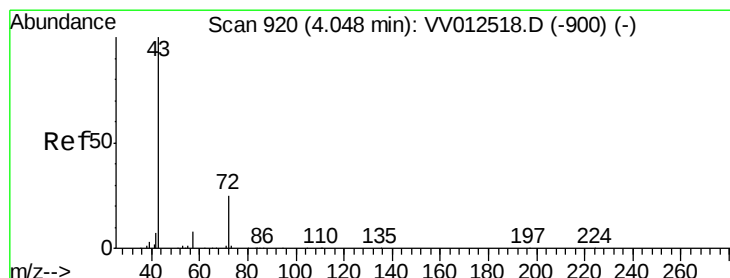
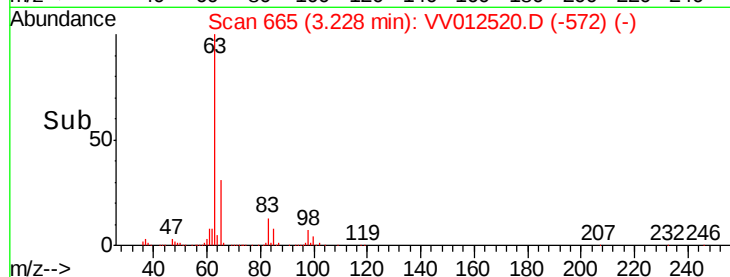
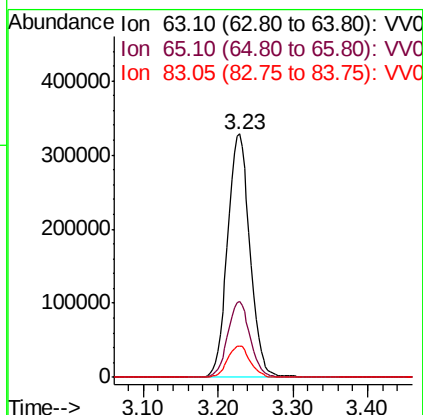
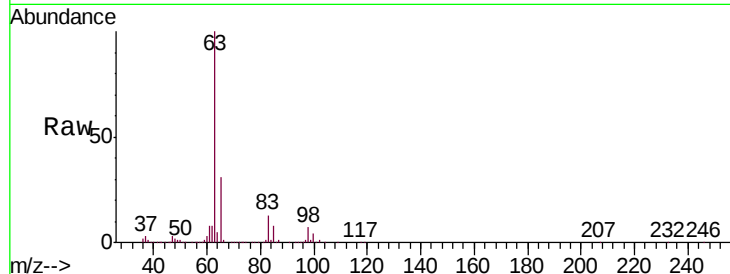




#19
 1,1-Dichloroethane
 Concen: 20.848 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

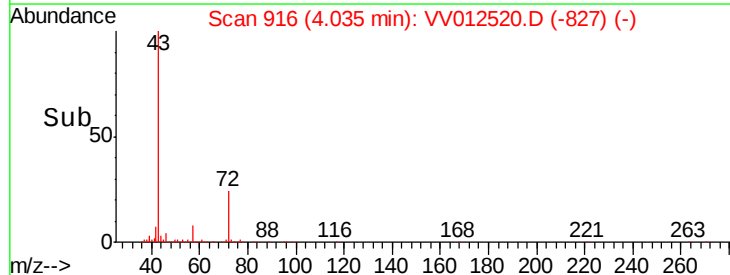
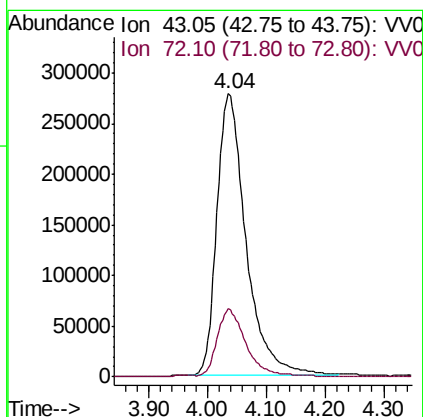
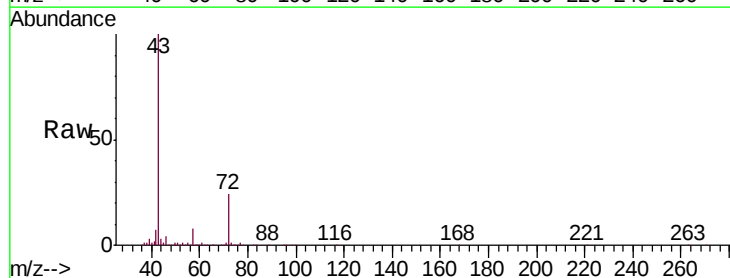
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

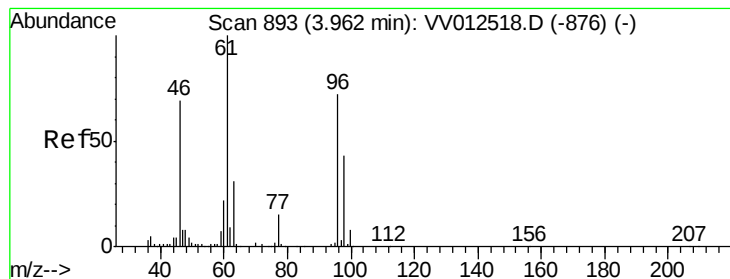
Tgt Ion: 63 Resp: 679213
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.5 39.9
 83 12.9 9.1 16.9



#21
 2-Butanone
 Concen: 229.375 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion: 43 Resp: 955566
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.4 34.1



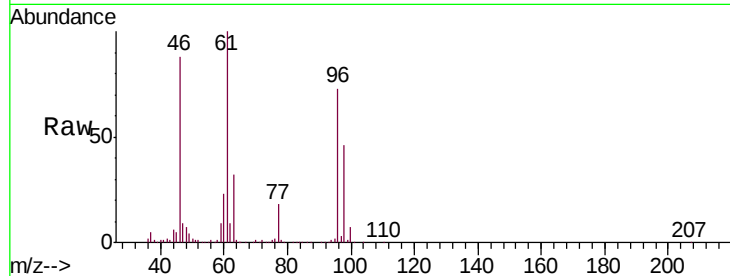


#22

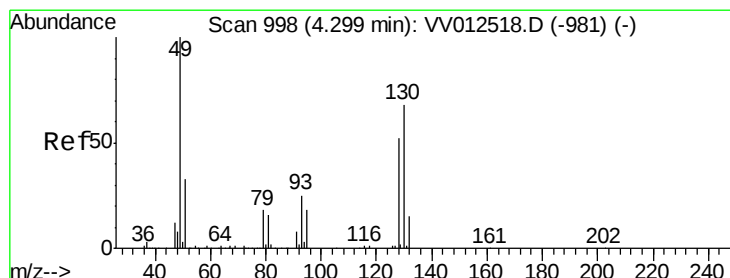
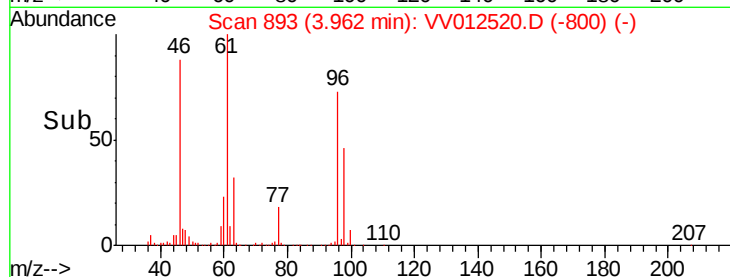
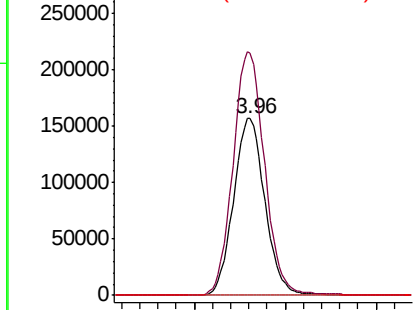
cis-1,2-Dichloroethene
 Concen: 21.674 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tgt Ion: 96 Resp: 375680
 Ion Ratio Lower Upper
 96 100
 61 137.0 97.5 181.1
 68 0.0 0.0 0.0



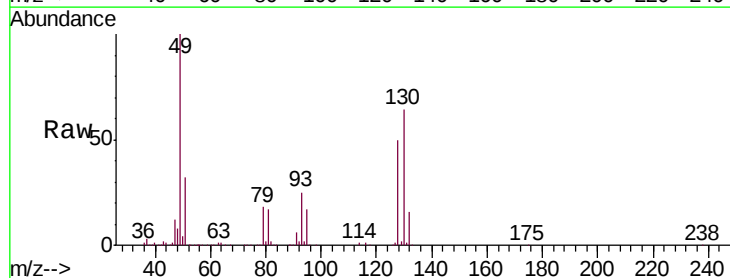
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



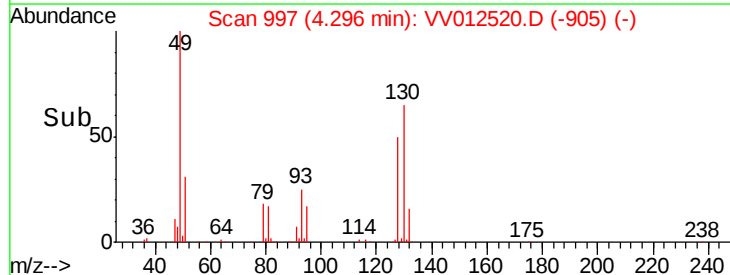
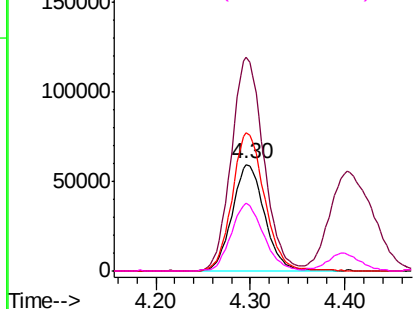
#23

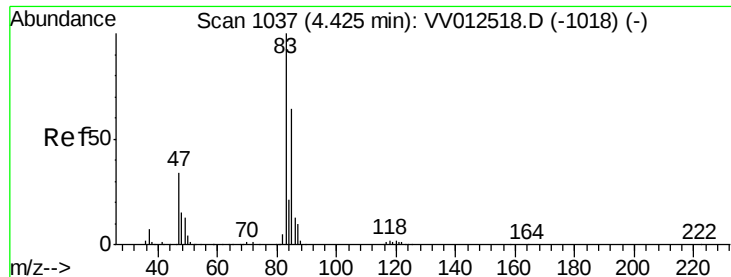
Bromochloromethane
 Concen: 19.095 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion: 128 Resp: 141821
 Ion Ratio Lower Upper
 128 100
 49 200.0 136.5 253.5
 130 129.0 92.1 171.1
 51 63.5 52.5 78.7



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 19.714 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

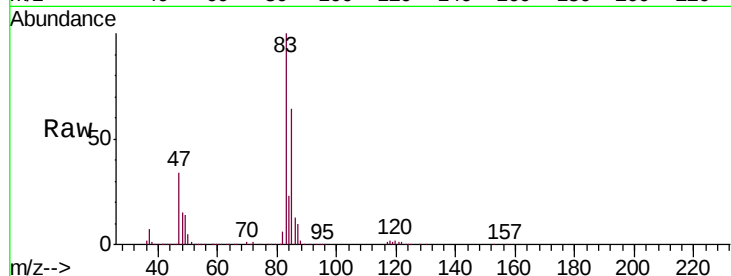
VSTD02034

Tgt Ion: 83 Resp: 672090

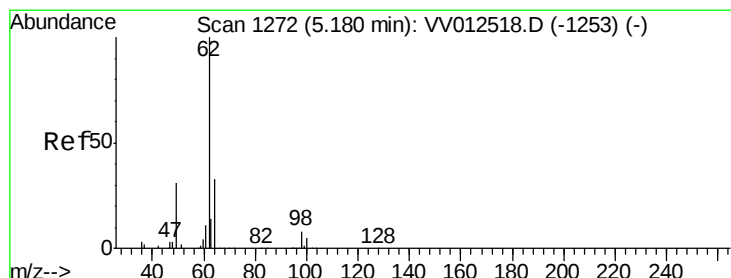
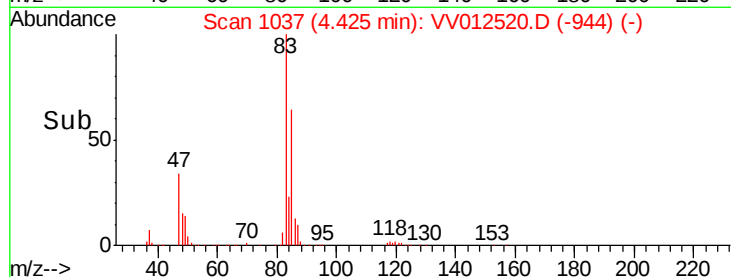
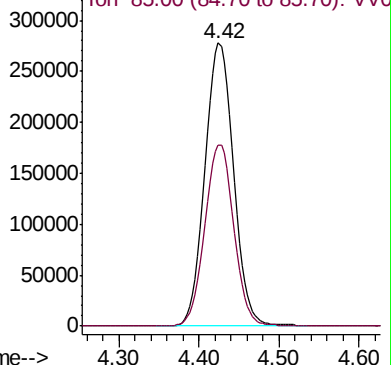
Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VV012520.D (-944) (-)



#27

1,2-Dichloroethane

Concen: 22.171 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VV012520.D

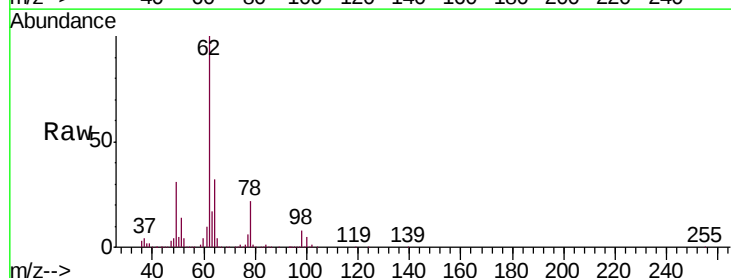
Acq: 02 Sep 2019 11:09

Tgt Ion: 62 Resp: 430627

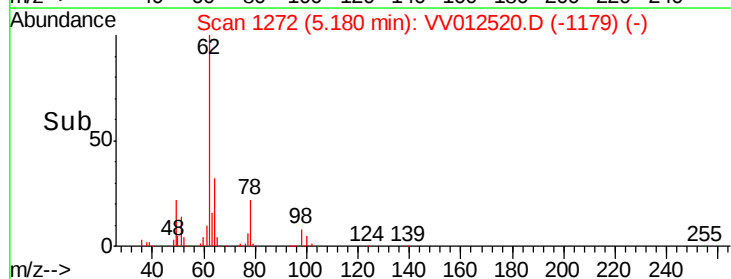
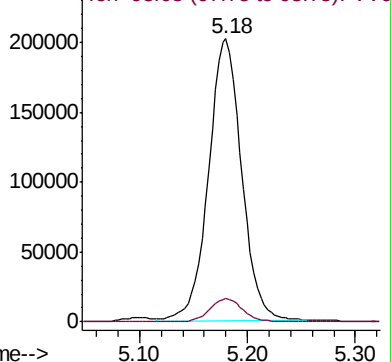
Ion Ratio Lower Upper

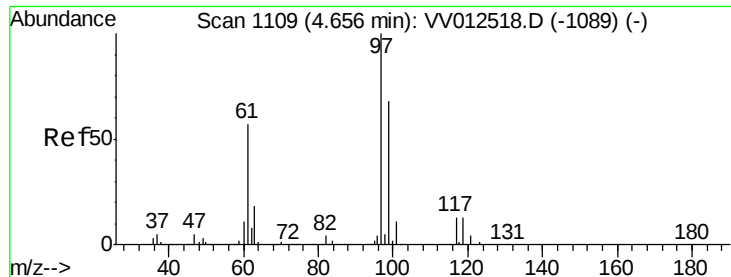
62 100

98 8.1 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VV012520.D (-1179) (-)

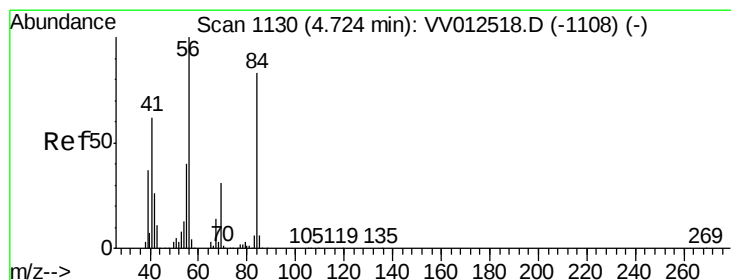
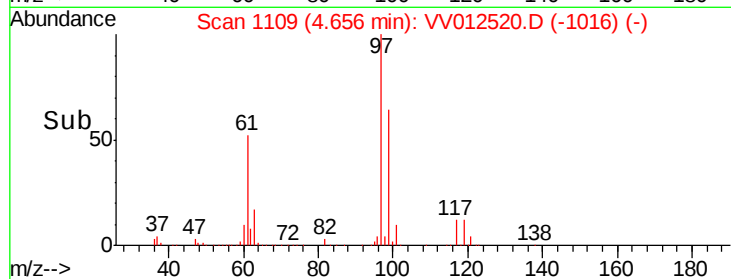
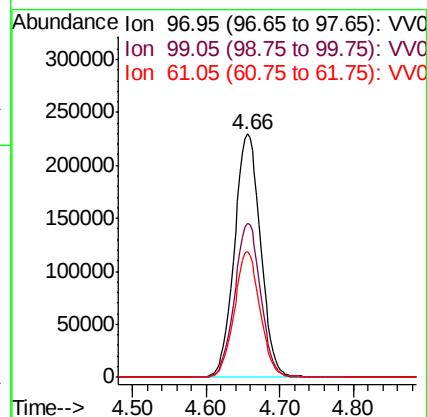
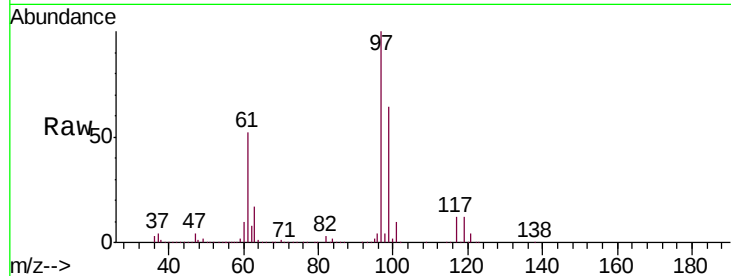




#29
 1,1,1-Trichloroethane
 Concen: 20.873 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

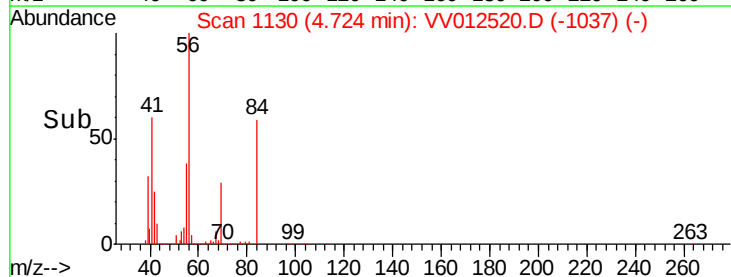
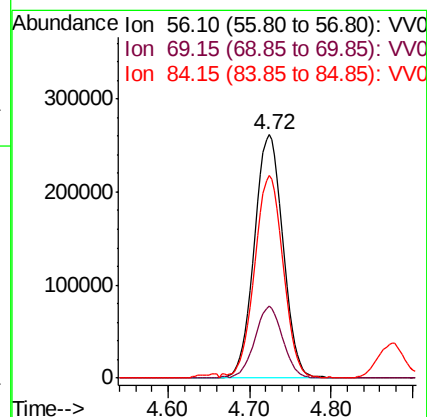
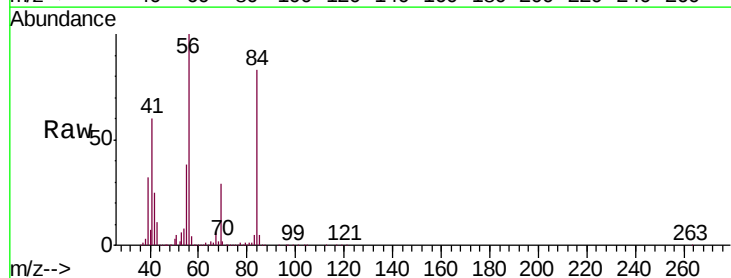
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

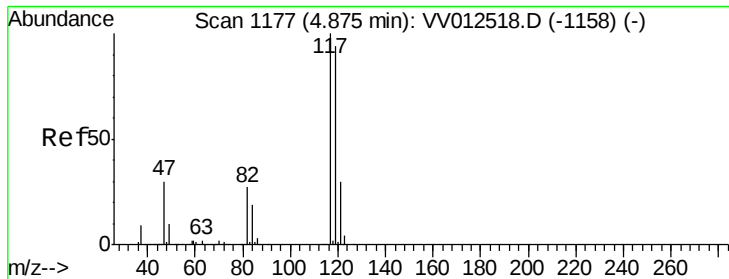
Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	52.6	79.0
61	50.9	43.4	65.2



#30
 Cyclohexane
 Concen: 22.795 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.5	35.3
84	82.3	67.1	100.7

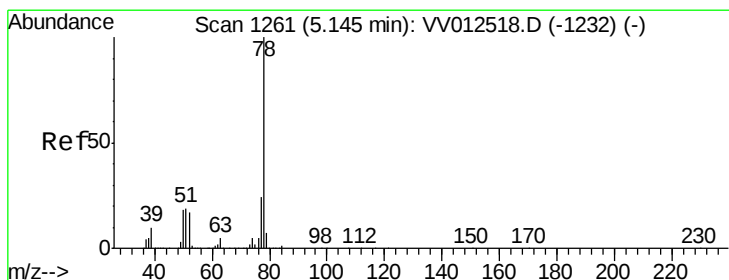
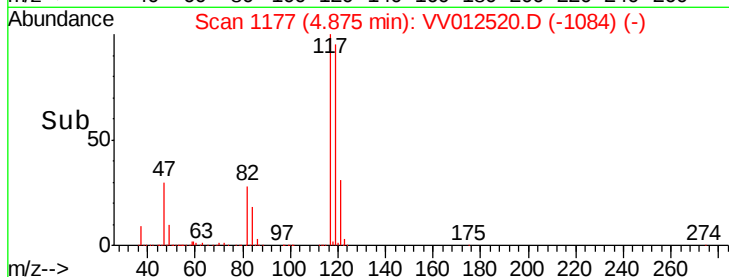
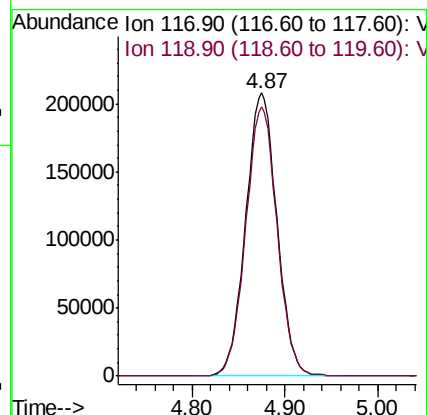
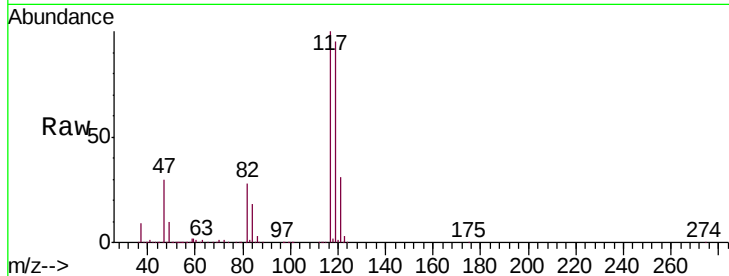




#31
Carbon tetrachloride
Concen: 20.397 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV012520.D
Acq: 02 Sep 2019 11:09

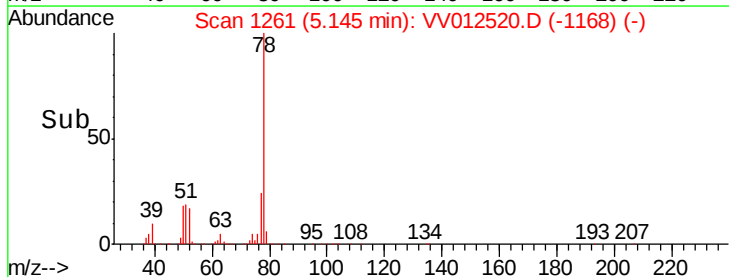
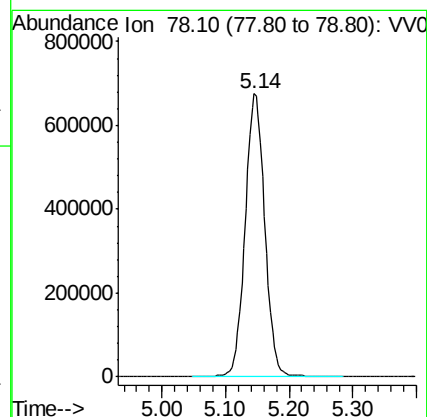
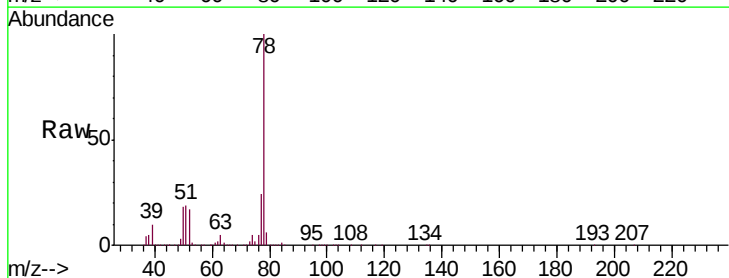
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

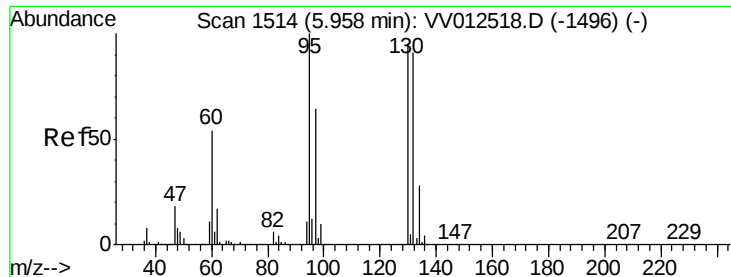
Tgt Ion:117 Resp: 486831
Ion Ratio Lower Upper
117 100
119 95.2 76.5 114.7



#33
Benzene
Concen: 20.751 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012520.D
Acq: 02 Sep 2019 11:09

Tgt Ion: 78 Resp: 1448016

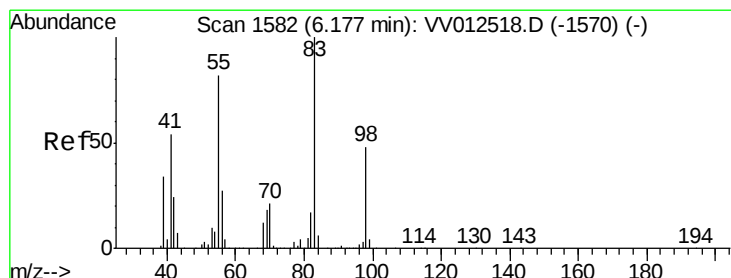
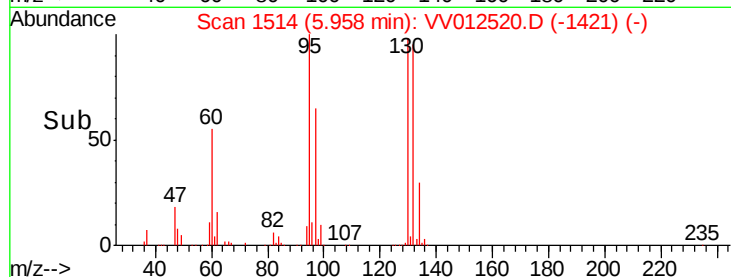
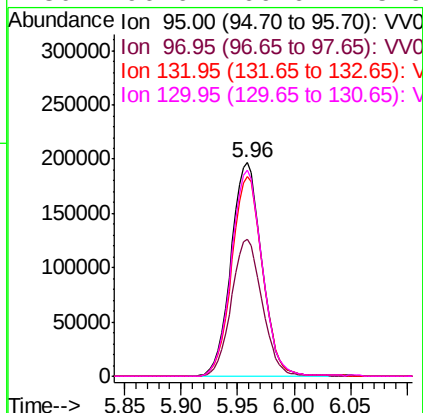
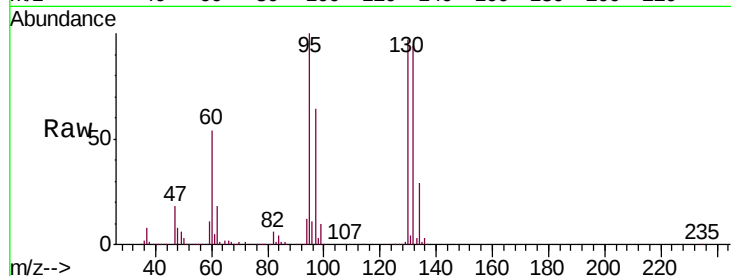




#34
 Trichloroethene
 Concen: 20.978 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

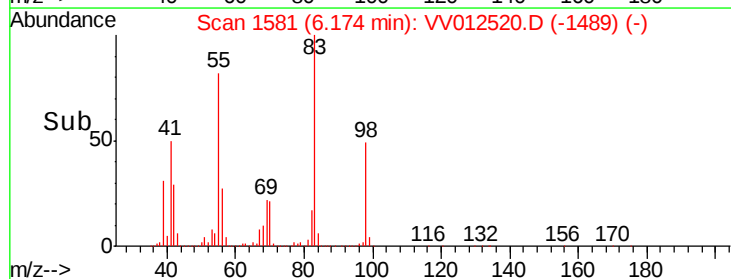
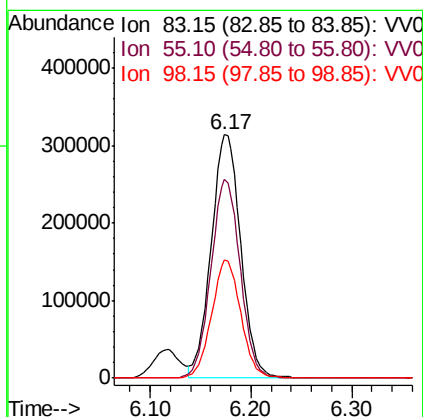
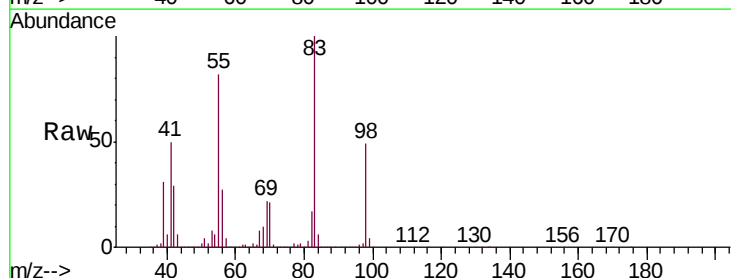
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

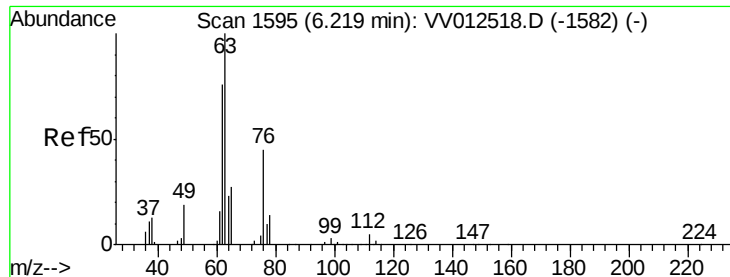
Tgt Ion:	95	Resp:	374745
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.7	83.1
132	93.8	63.8	118.4
130	96.6	66.6	123.6



#35
 Methylcyclohexane
 Concen: 23.528 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion:	83	Resp:	639223
Ion	Ratio	Lower	Upper
83	100		
55	80.6	67.3	100.9
98	48.1	37.4	56.2

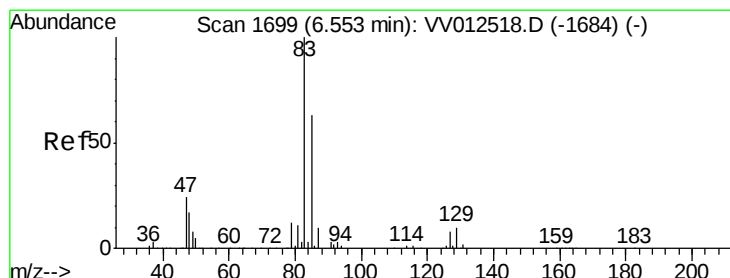
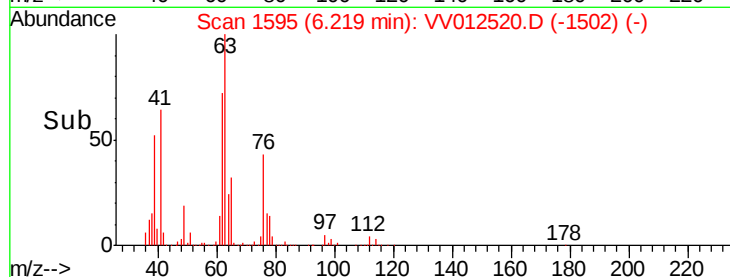
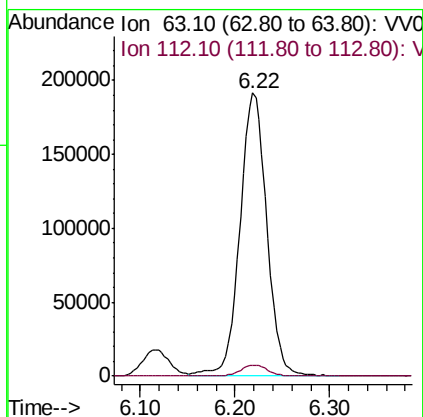
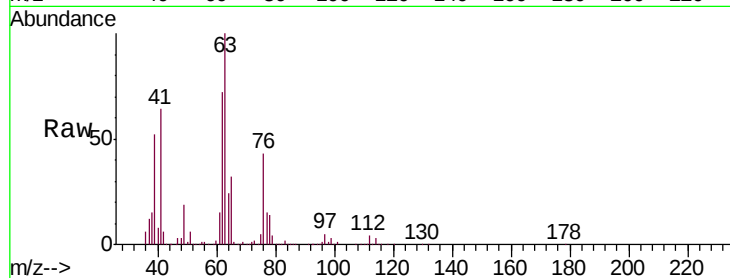




#37
 1,2-Dichloropropane
 Concen: 20.775 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

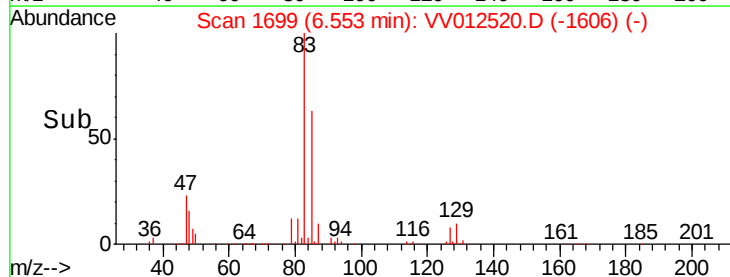
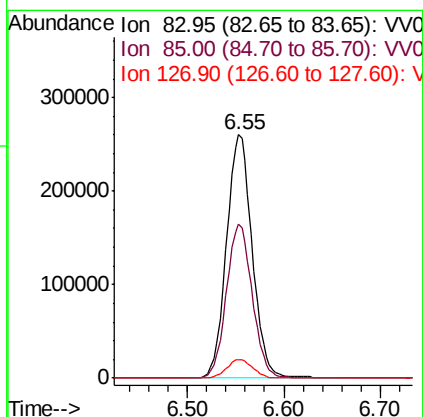
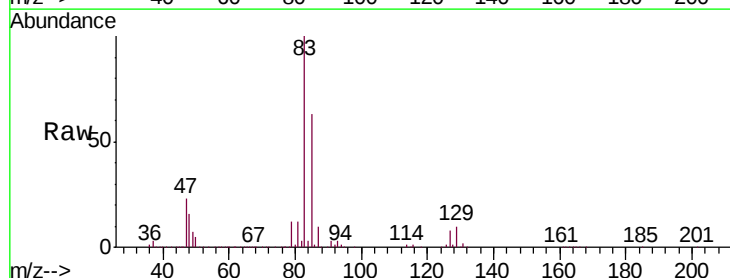
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

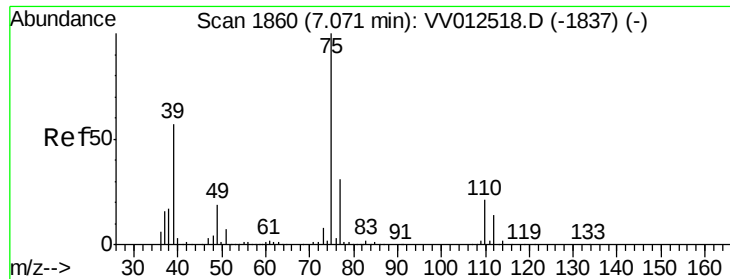
Tgt Ion: 63 Resp: 375283
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 21.149 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion: 83 Resp: 480187
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.2 82.0
 127 7.8 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 23.570 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

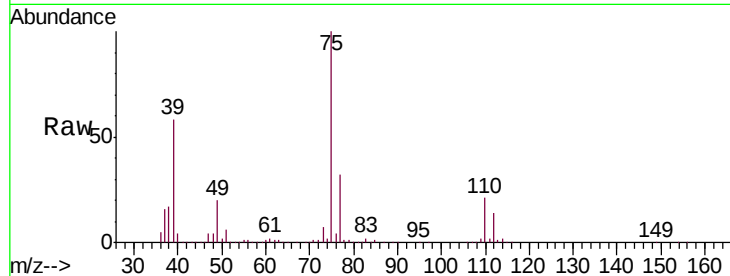
VSTD02034

Tgt Ion: 75 Resp: 555292

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

300000

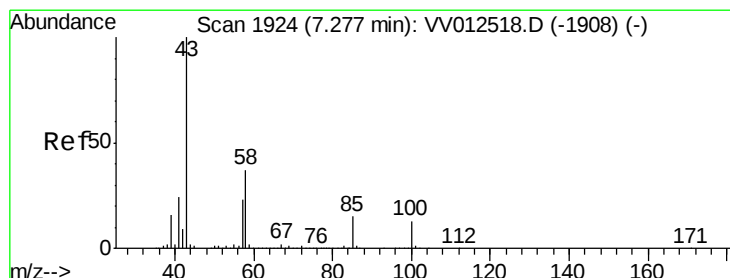
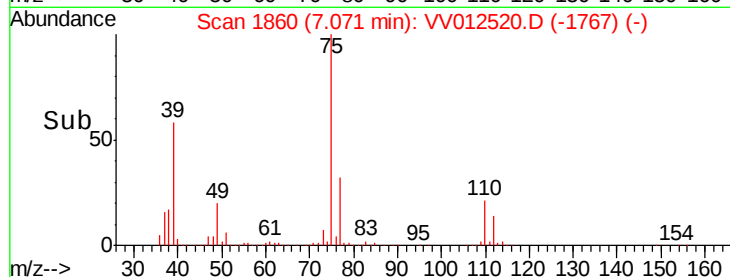
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#40

4-Methyl-2-pentanone

Concen: 235.928 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

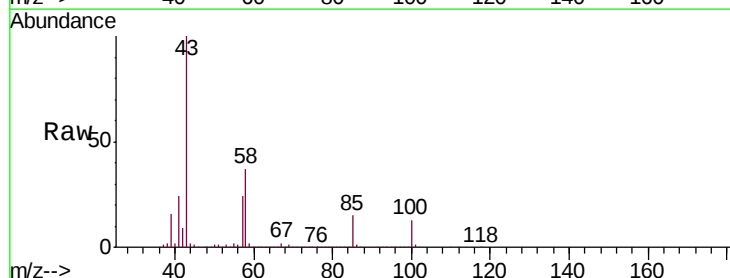
Tgt Ion: 43 Resp: 2457766

Ion Ratio Lower Upper

43 100

58 36.7 28.2 42.2

100 13.1 9.9 14.9



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.27

1500000

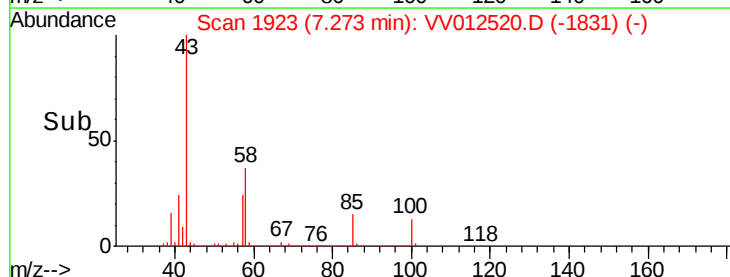
1000000

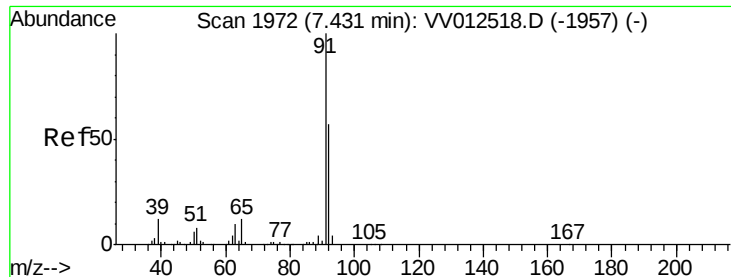
500000

0

Time-->

7.20 7.30 7.40





#42

Toluene

Concen: 22.320 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

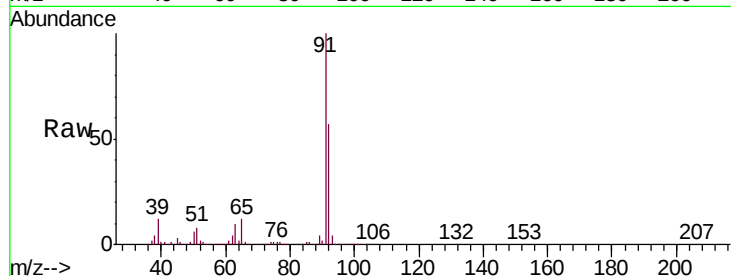
VSTD02034

Tgt Ion: 91 Resp: 1599214

Ion Ratio Lower Upper

91 100

92 57.4 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

1000000

800000

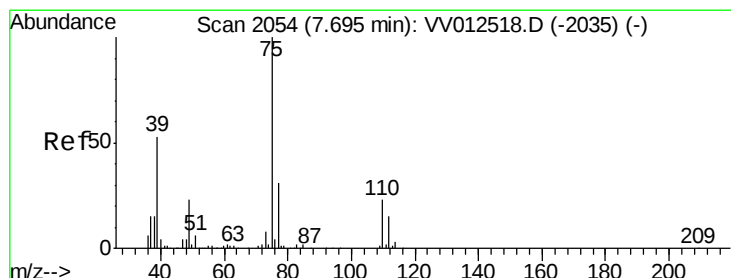
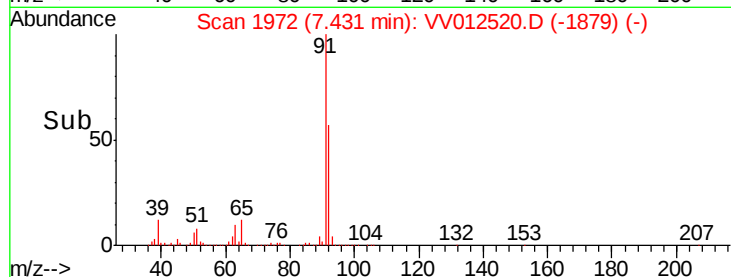
600000

400000

200000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 23.615 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012520.D

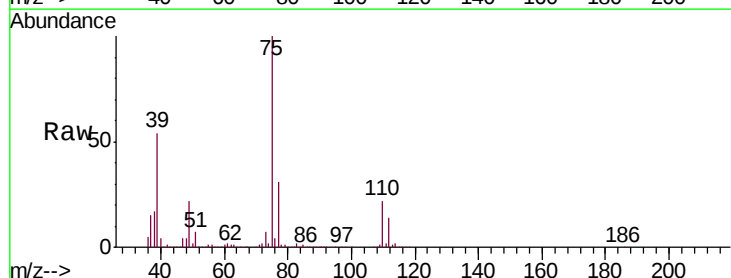
Acq: 02 Sep 2019 11:09

Tgt Ion: 75 Resp: 434056

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

300000

250000

200000

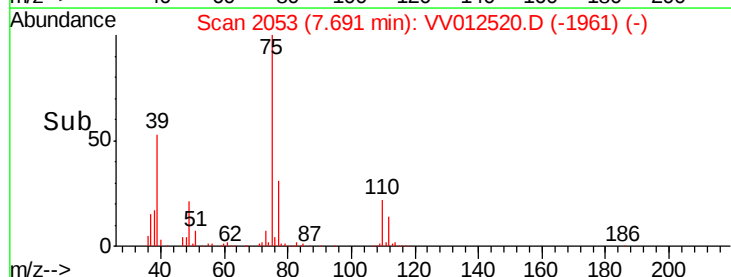
150000

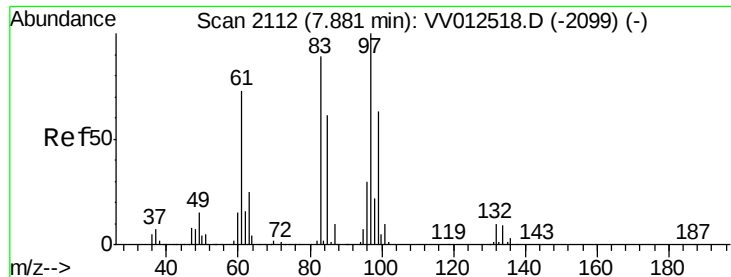
100000

50000

0

Time--> 7.60 7.70 7.80

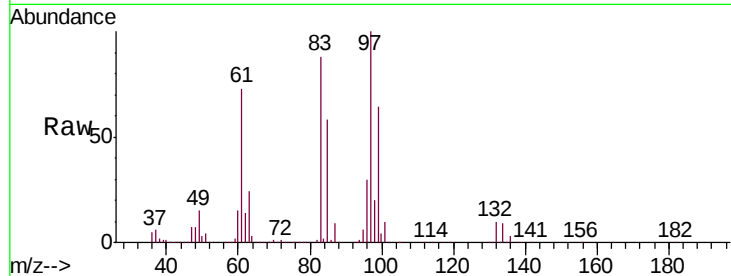




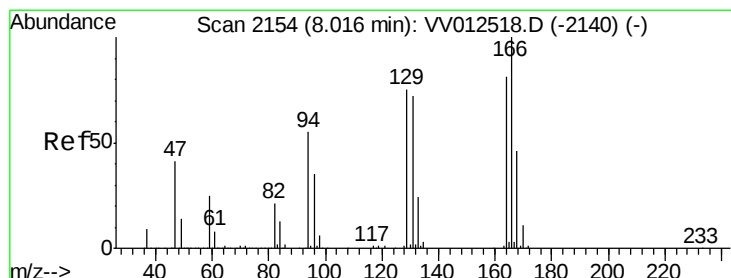
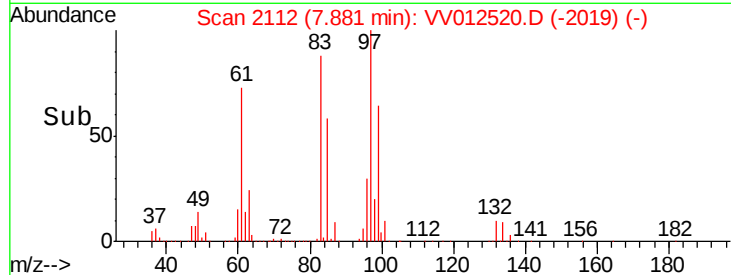
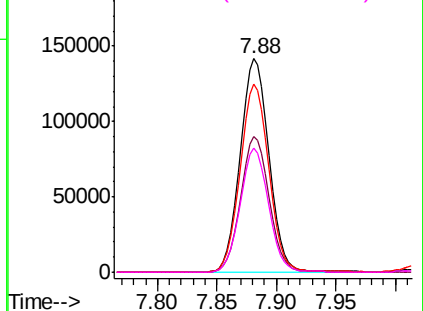
#45
 1,1,2-Trichloroethane
 Concen: 19.703 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tgt Ion:	97	Resp:	237633
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.1	81.9
83	88.0	62.7	116.5
85	57.9	42.6	79.0

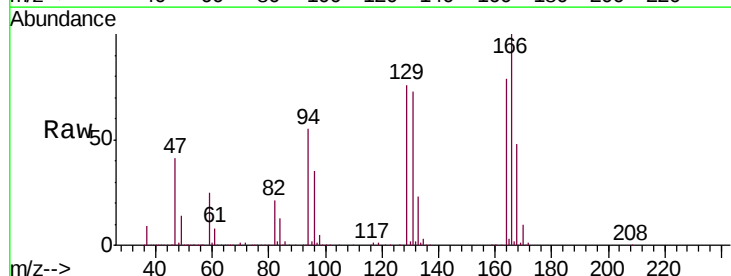


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

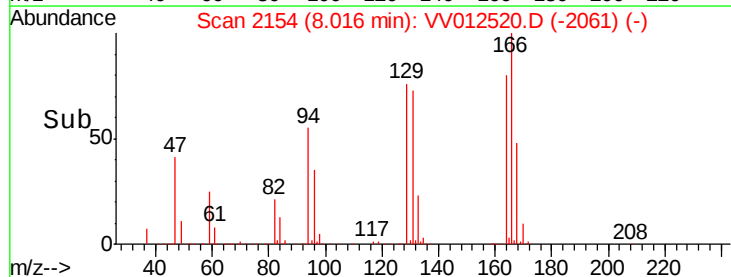
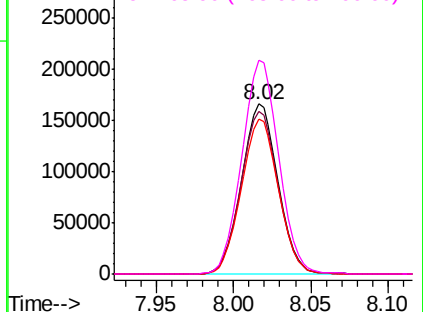


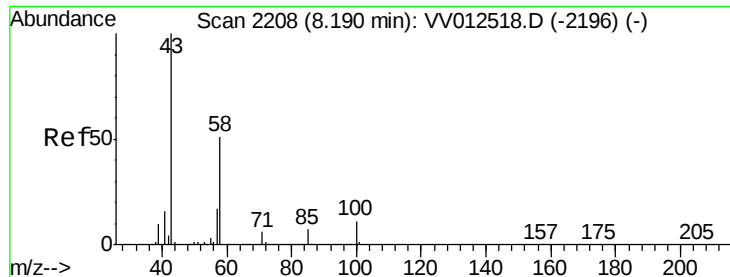
#47
 Tetrachloroethene
 Concen: 19.365 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion:	164	Resp:	272696
Ion	Ratio	Lower	Upper
164	100		
129	95.8	64.5	119.9
131	91.6	62.3	115.7
166	125.8	86.5	160.6



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



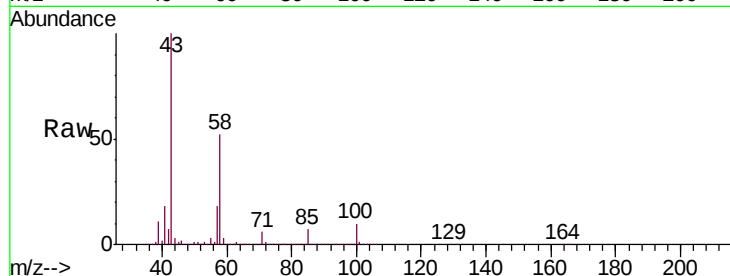


#48
2-Hexanone
Concen: 248.580 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VV012520.D
Acq: 02 Sep 2019 11:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tgt Ion: 43 Resp: 1765227

Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.0	60.0
57	17.5	13.4	20.2
100	10.6	8.2	12.2

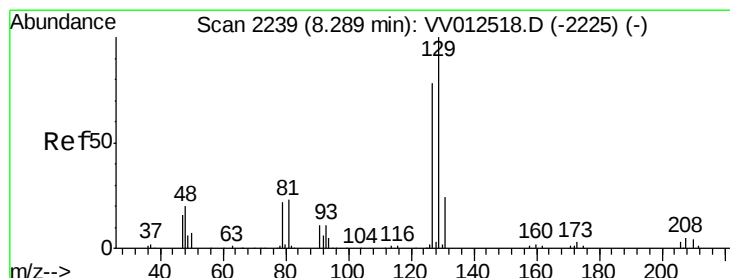
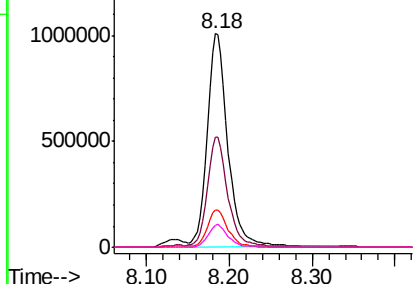
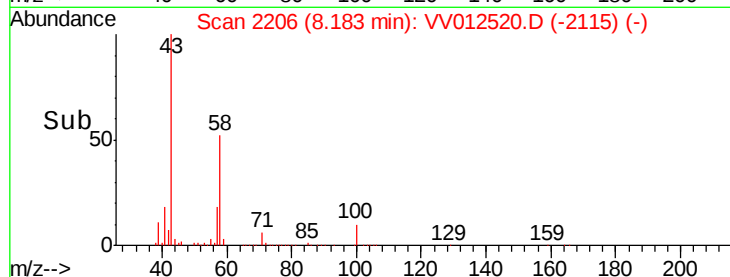


Abundance Ion 43.05 (42.75 to 43.75): VV012520.D (-2115) (-)

Ion 58.05 (57.75 to 58.75): VV012520.D (-2115) (-)

Ion 57.20 (56.90 to 57.90): VV012520.D (-2115) (-)

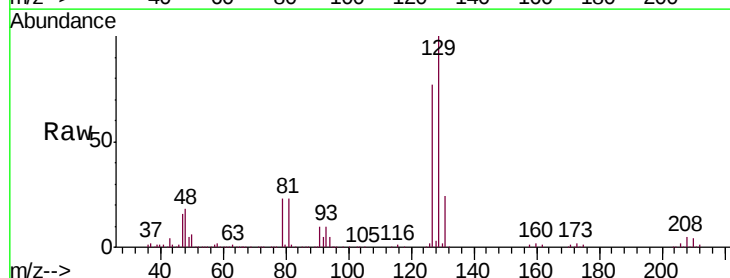
Ion 100.15 (99.85 to 100.85): VV012520.D (-2115) (-)



#49
Dibromochloromethane
Concen: 21.412 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012520.D
Acq: 02 Sep 2019 11:09

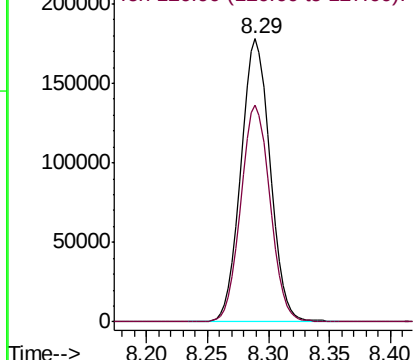
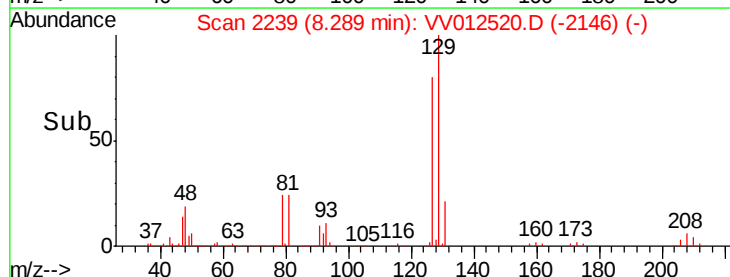
Tgt Ion: 129 Resp: 293358

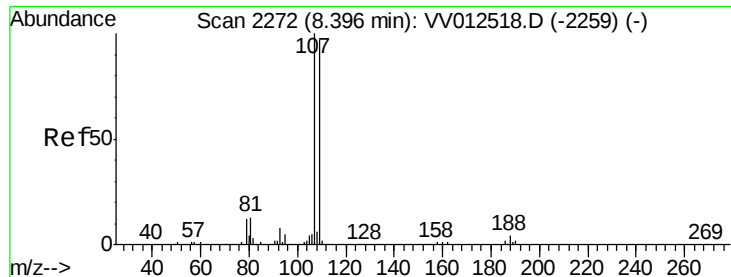
Ion	Ratio	Lower	Upper
129	100		
127	76.5	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VV012520.D (-2146) (-)

Ion 126.90 (126.60 to 127.60): VV012520.D (-2146) (-)

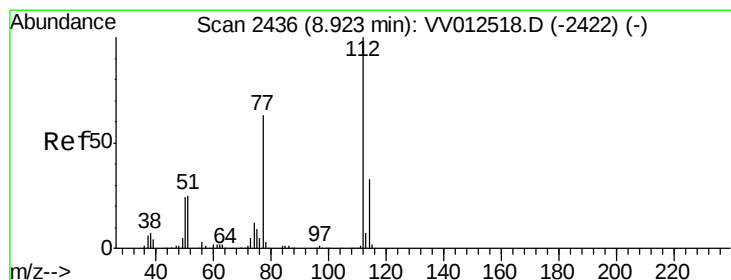
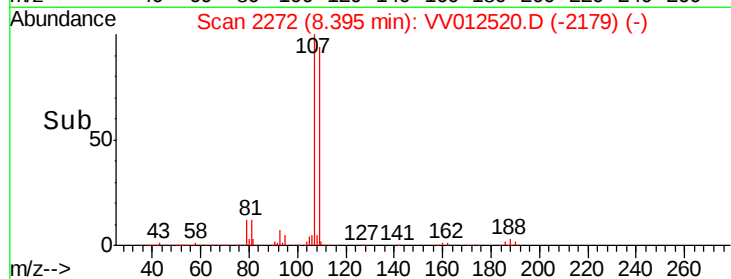
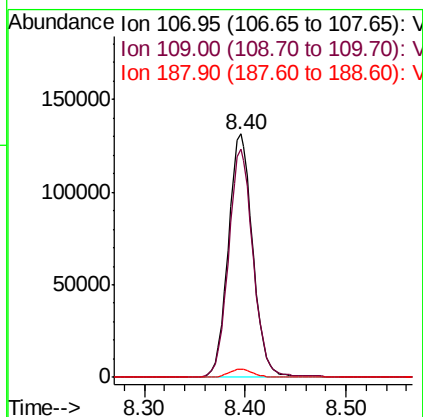
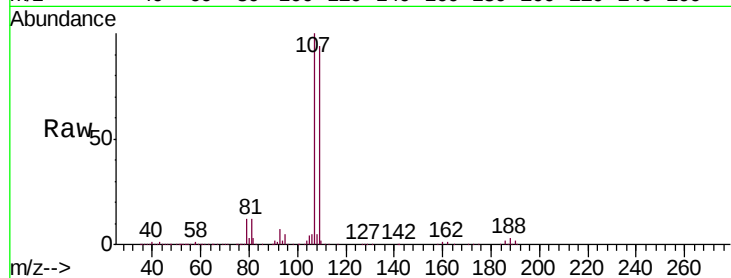




#50
 1,2-Dibromoethane
 Concen: 21.029 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

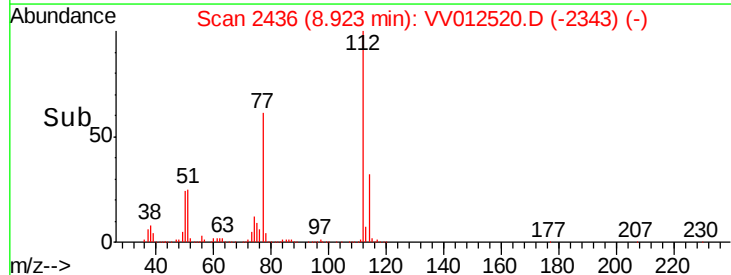
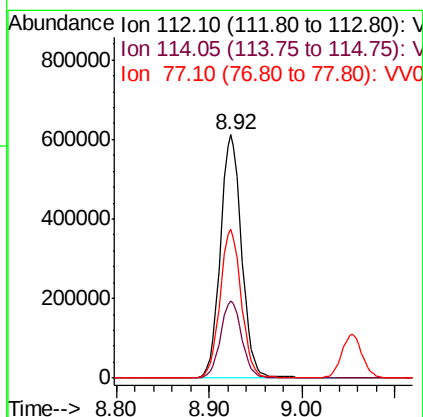
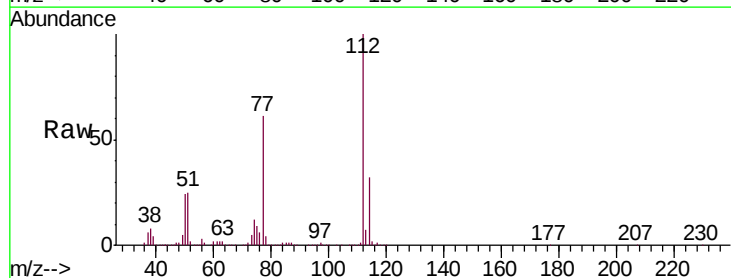
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

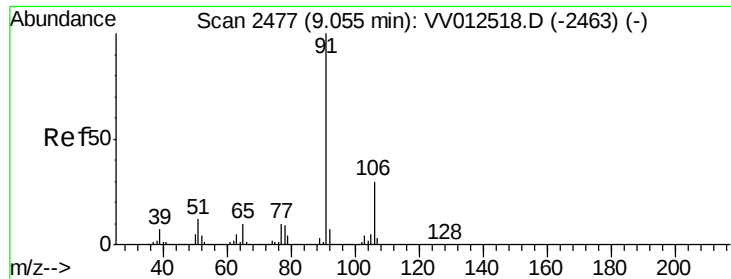
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	67.8	125.8
188	3.4	3.2	4.8



#51
 Chlorobenzene
 Concen: 21.471 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.0	42.6
77	61.3	50.4	75.6





#52

Ethylbenzene

Concen: 24.006 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

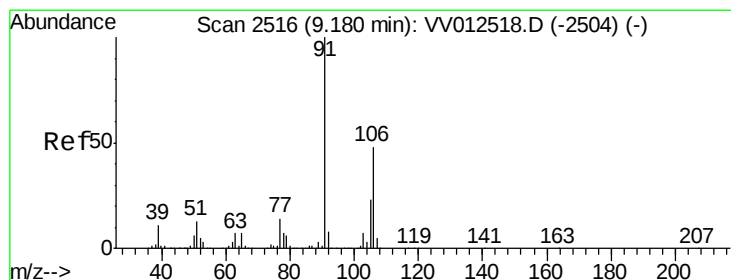
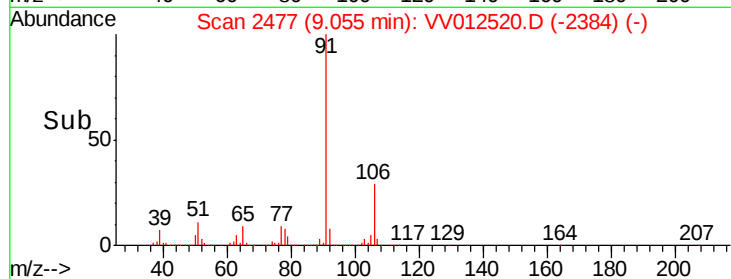
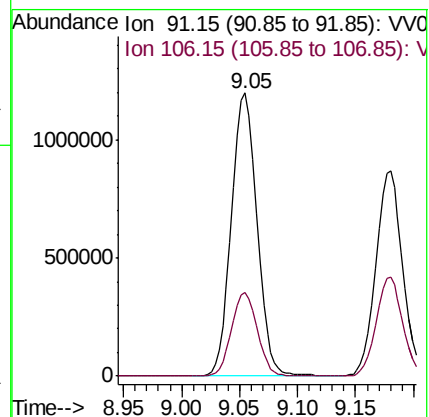
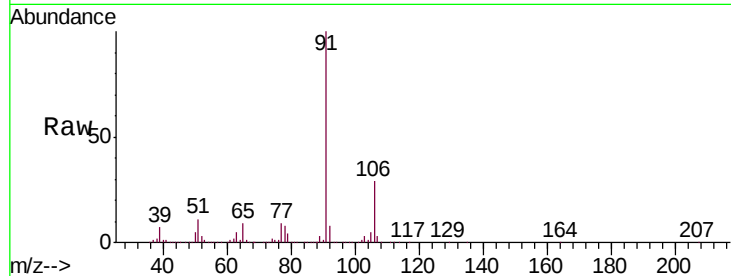
VSTD02034

Tgt Ion: 91 Resp: 1829710

Ion Ratio Lower Upper

91 100

106 29.5 21.1 39.3



#53

m,p-xylene

Concen: 24.302 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012520.D

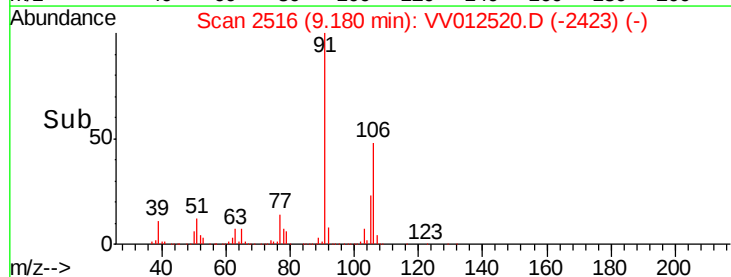
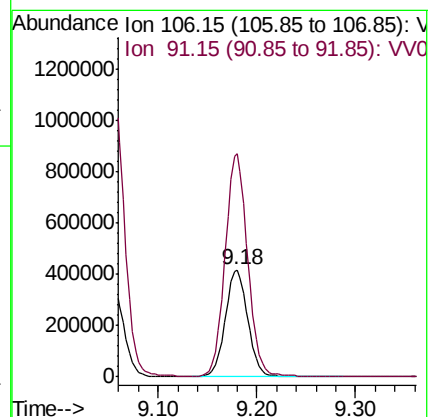
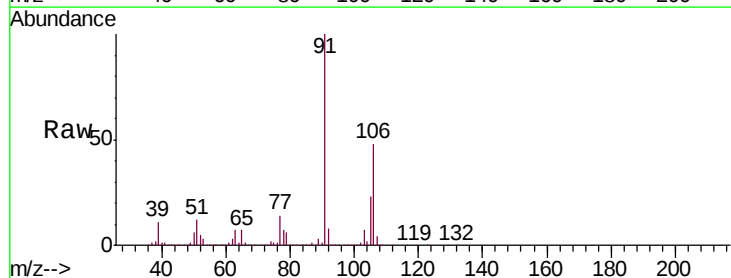
Acq: 02 Sep 2019 11:09

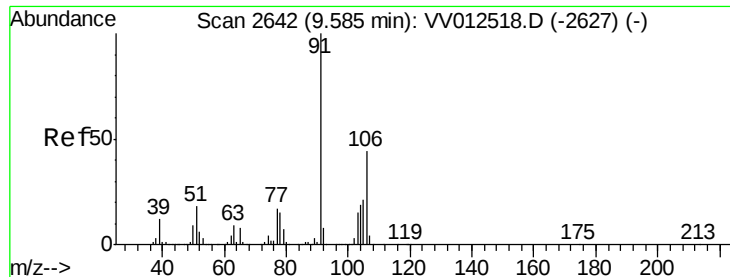
Tgt Ion: 106 Resp: 671274

Ion Ratio Lower Upper

106 100

91 208.8 145.8 270.8

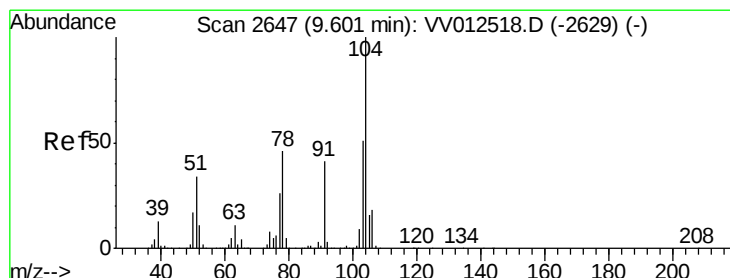
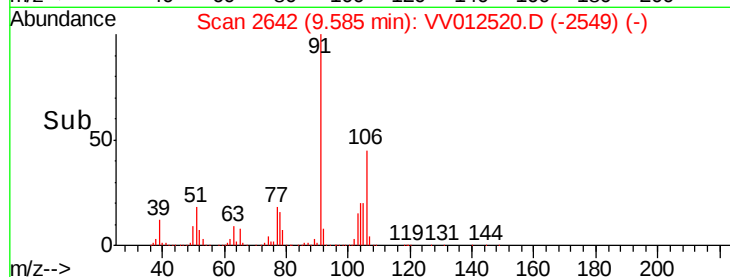
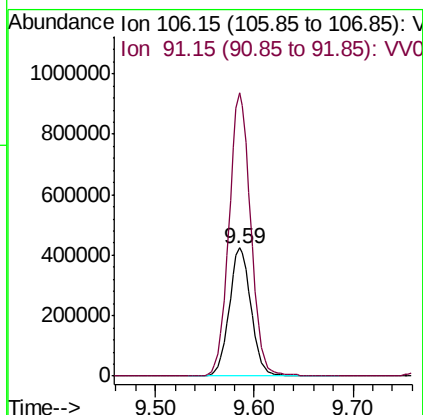
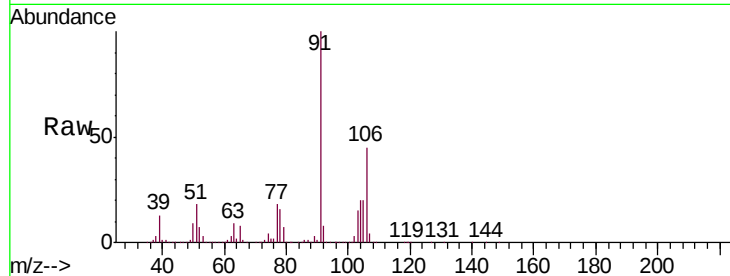




#54
o-xylene
Concen: 24.330 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012520.D
Acq: 02 Sep 2019 11:09

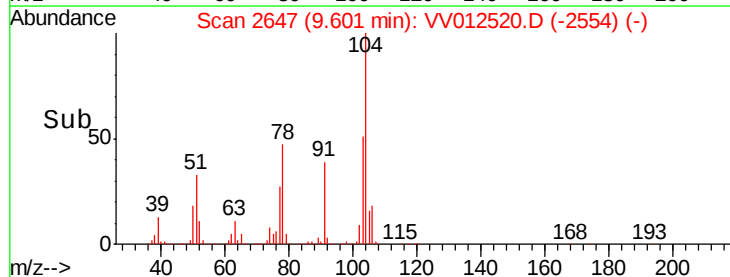
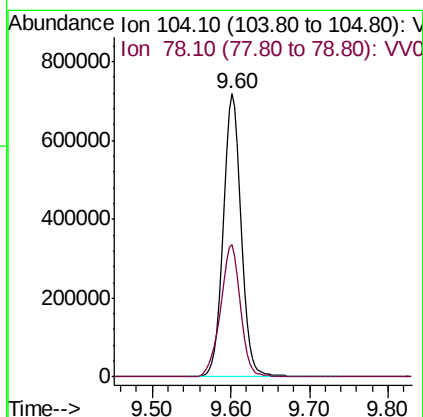
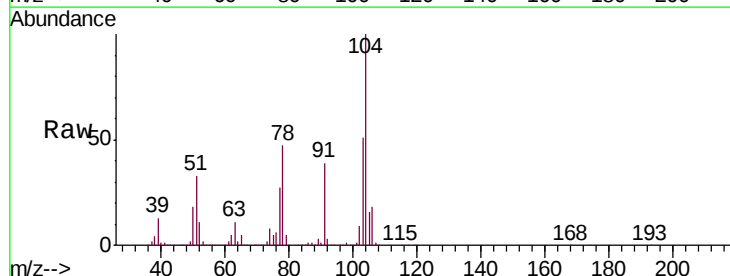
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

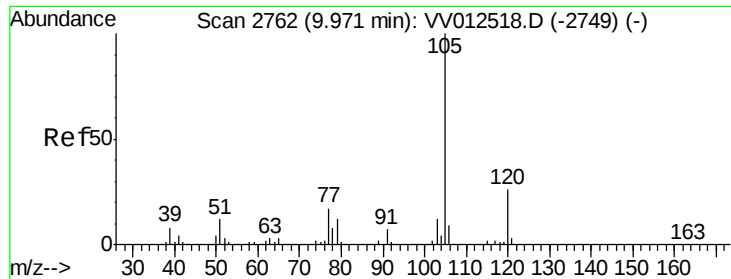
Tgt Ion:106 Resp: 658498
Ion Ratio Lower Upper
106 100
91 220.9 159.5 296.3



#55
Styrene
Concen: 24.944 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012520.D
Acq: 02 Sep 2019 11:09

Tgt Ion:104 Resp: 1128364
Ion Ratio Lower Upper
104 100
78 46.6 32.3 60.1





#56

Isopropylbenzene

Concen: 25.129 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

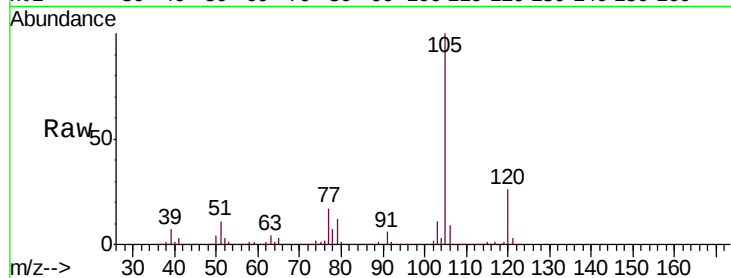
Tgt Ion: 105 Resp: 1802160

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

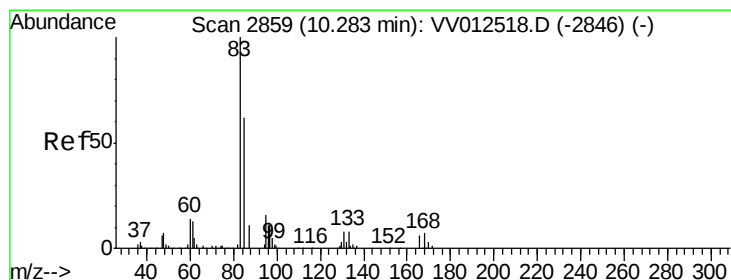
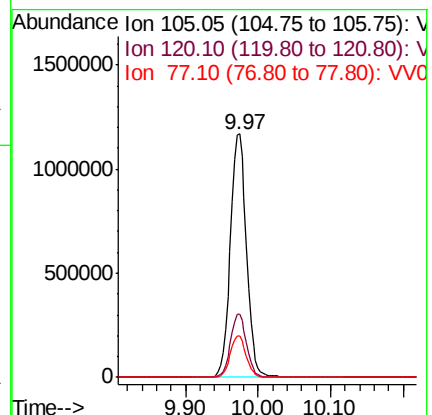
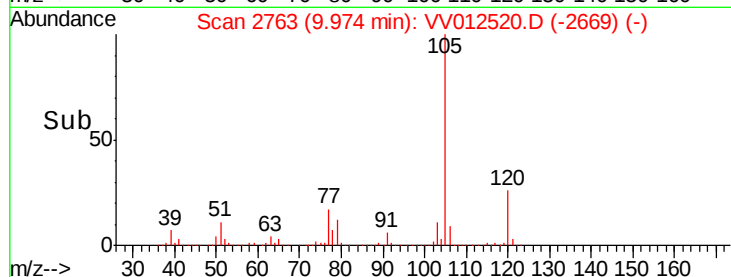
77 16.9 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 20.253 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

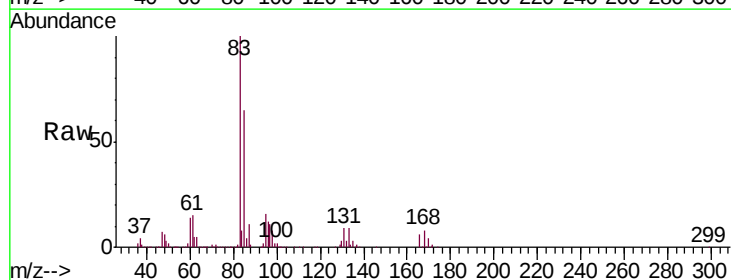
Tgt Ion: 83 Resp: 284332

Ion Ratio Lower Upper

83 100

85 64.6 43.8 81.4

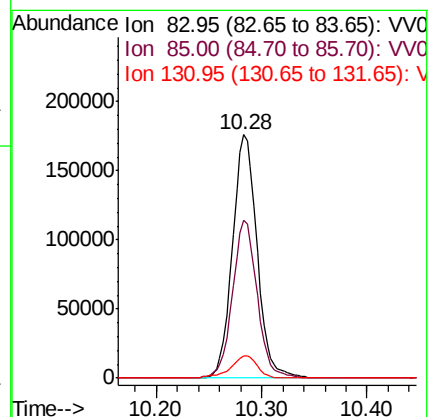
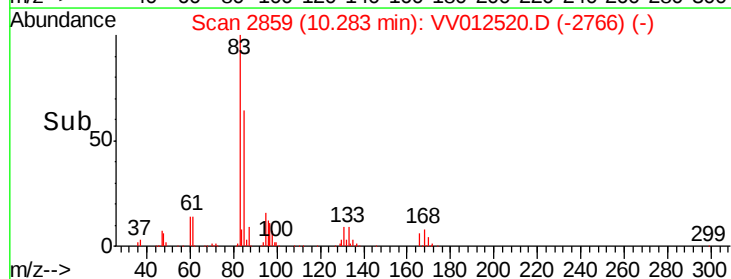
131 9.2 6.6 10.0

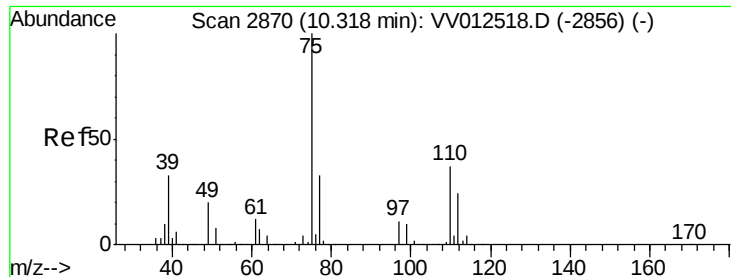


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.871 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

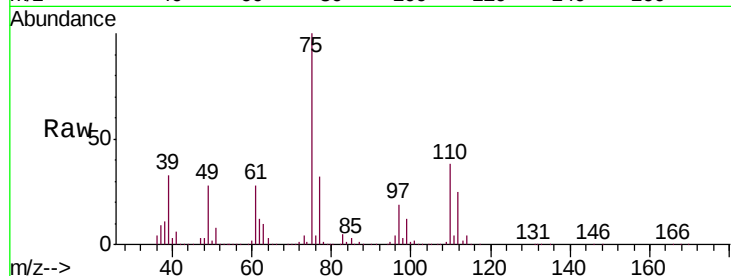
VSTD02034

Tgt Ion: 75 Resp: 211279

Ion Ratio Lower Upper

75 100

77 31.7 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VV012518.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV012518.D (-2856) (-)

10.31

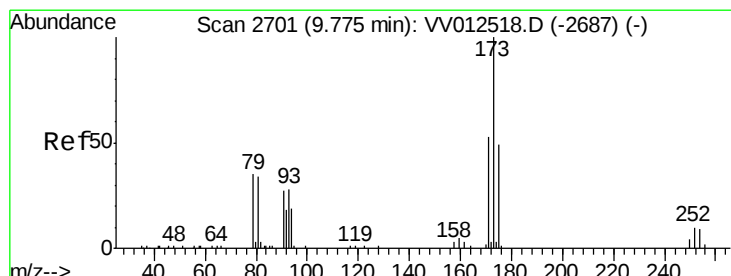
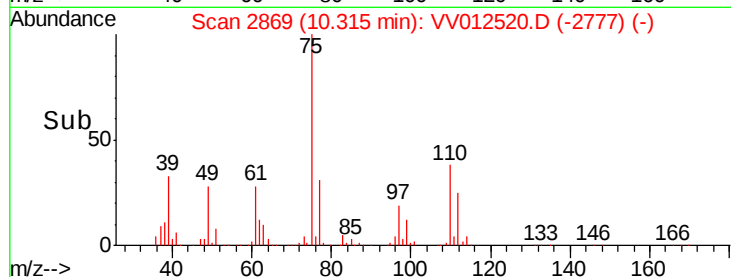
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 19.333 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

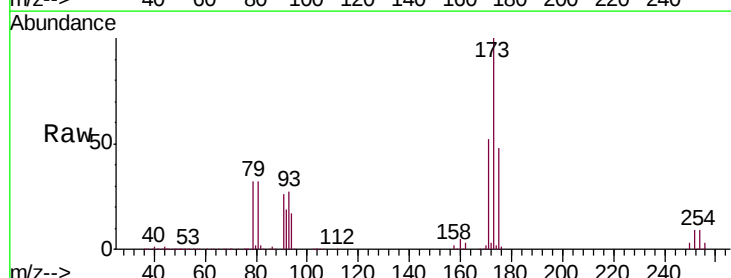
Tgt Ion: 173 Resp: 148650

Ion Ratio Lower Upper

173 100

175 48.3 39.1 58.7

254 9.2 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VV012518.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV012518.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV012518.D (-2687) (-)

9.77

120000

100000

80000

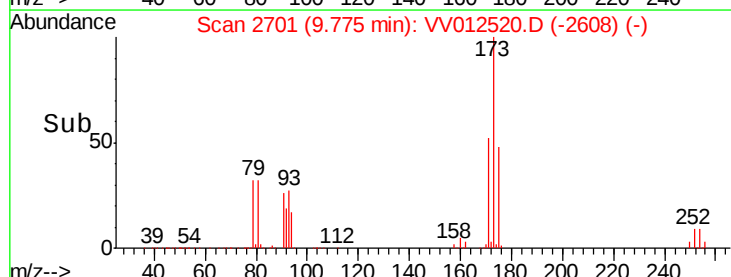
60000

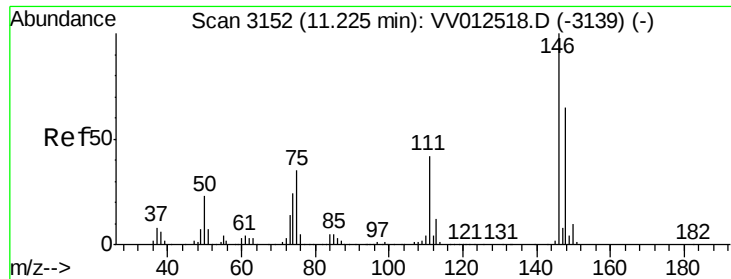
40000

20000

0

Time-->

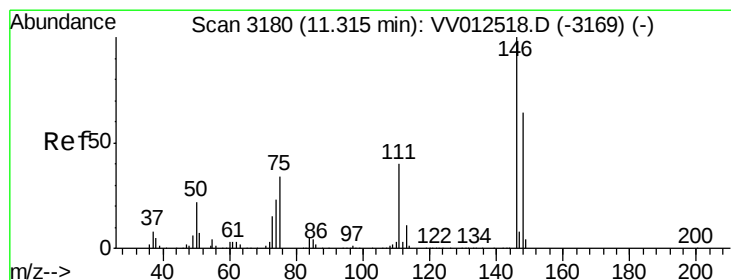
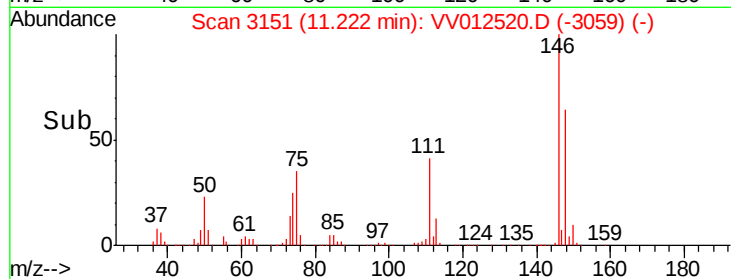
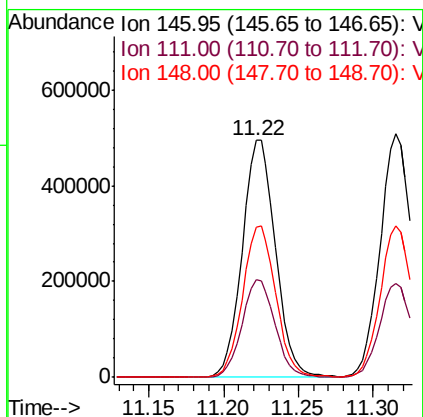
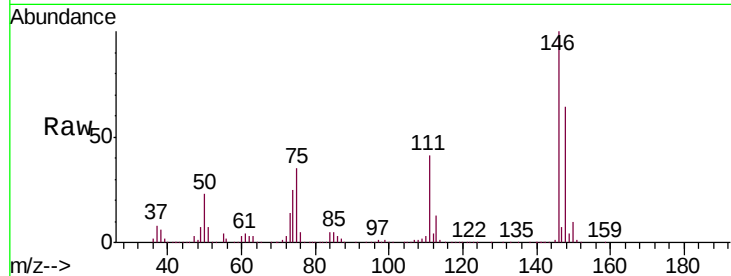




#62
 1,3-Dichlorobenzene
 Concen: 21.534 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

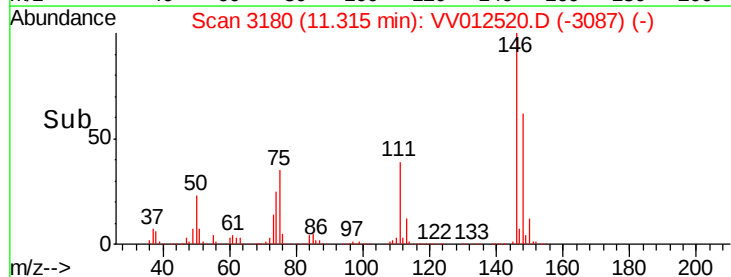
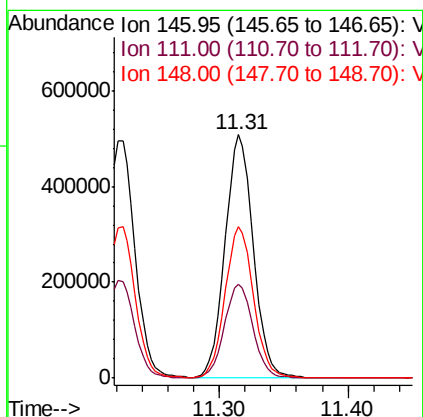
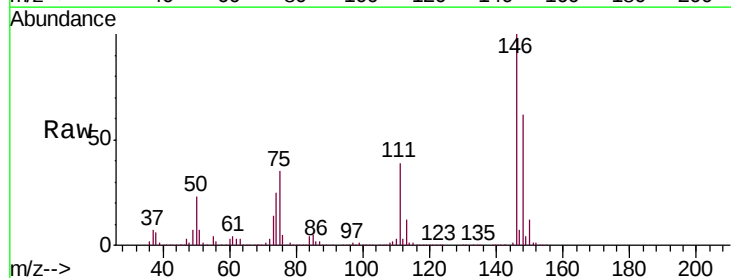
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

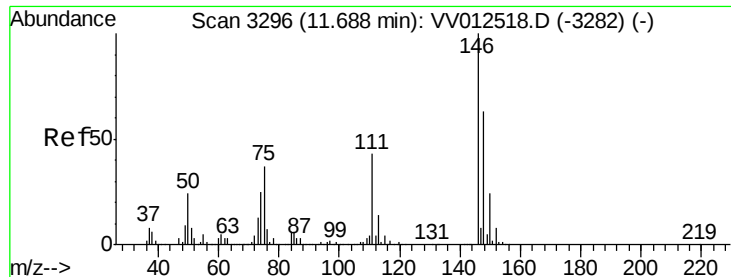
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	29.7	55.1
148	63.6	45.7	84.9



#63
 1,4-Dichlorobenzene
 Concen: 21.639 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.9	51.7
148	62.2	44.9	83.3

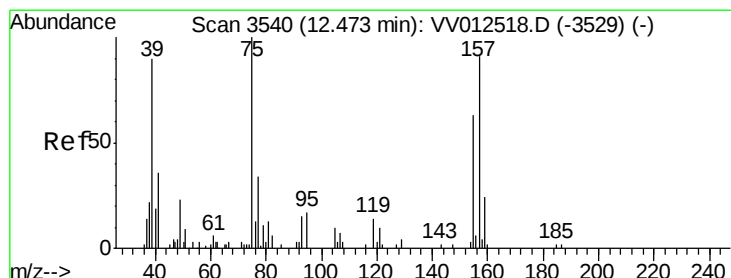
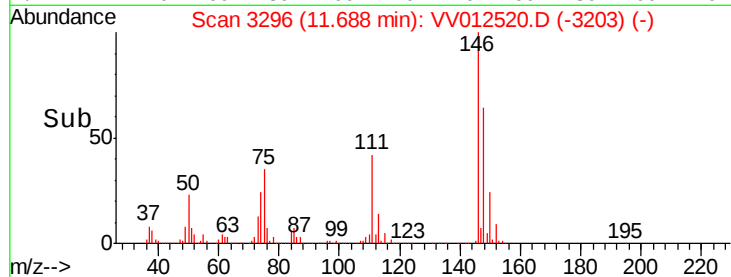
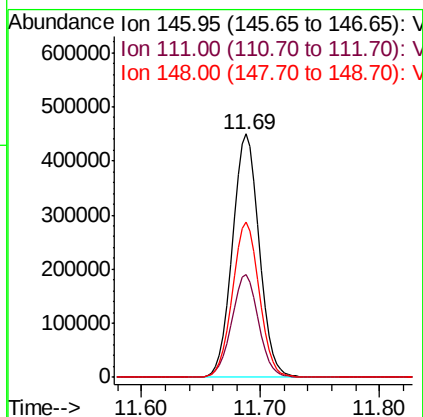
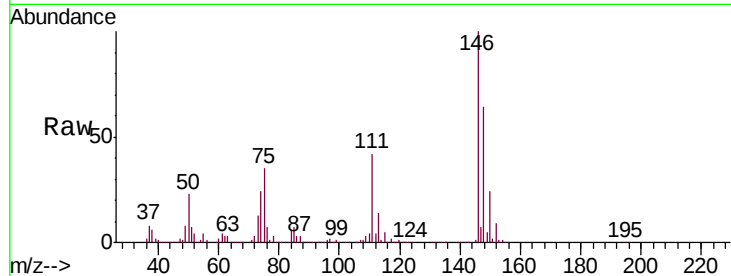




#65
 1,2-Dichlorobenzene
 Concen: 20.962 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

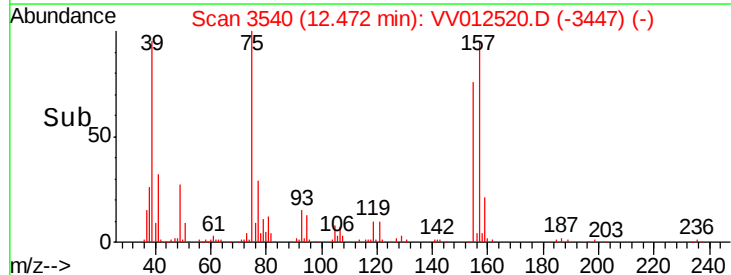
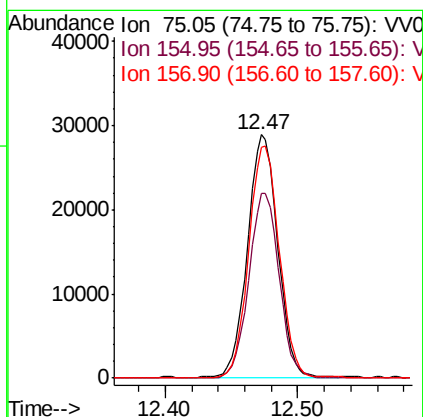
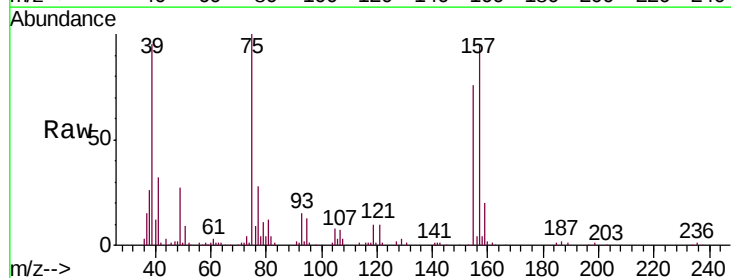
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

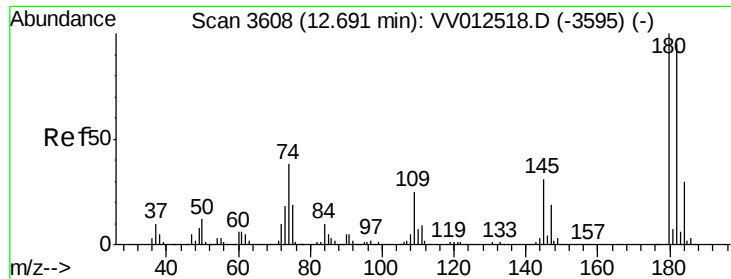
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	34.2	51.2
148	63.8	50.8	76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.406 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012520.D
 Acq: 02 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	50.6	75.8
157	94.9	72.6	109.0





#67

1,3,5-Trichlorobenzene

Concen: 22.228 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

Tgt Ion:180 Resp: 588458

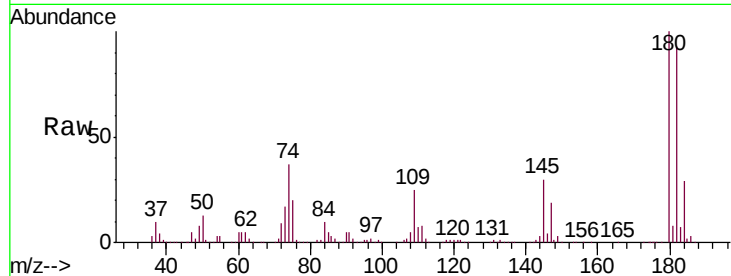
Ion Ratio Lower Upper

180 100

182 93.6 74.4 111.6

184 29.5 23.4 35.0

145 29.6 24.0 36.0

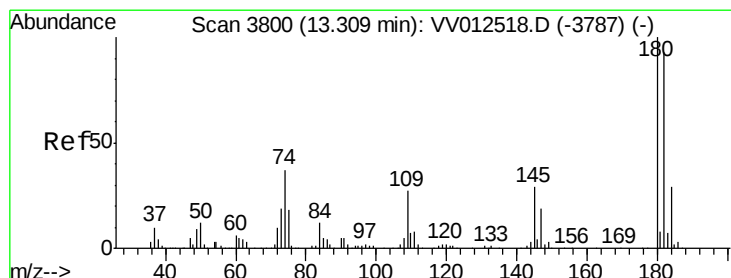
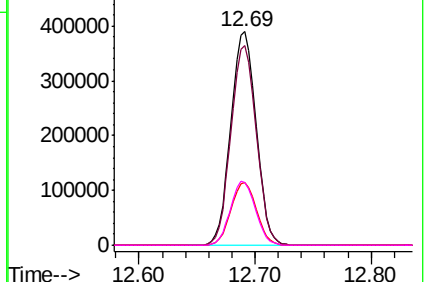
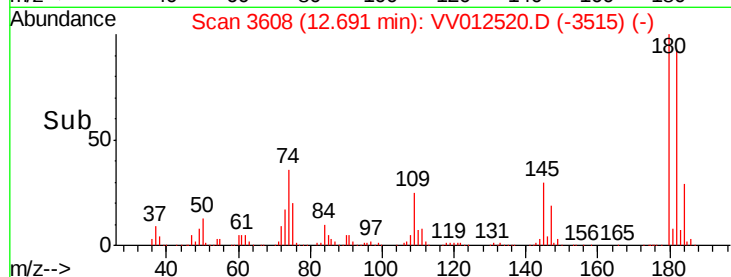


Abundance Ion 180.00 (179.70 to 180.70): V

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: 24.298 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

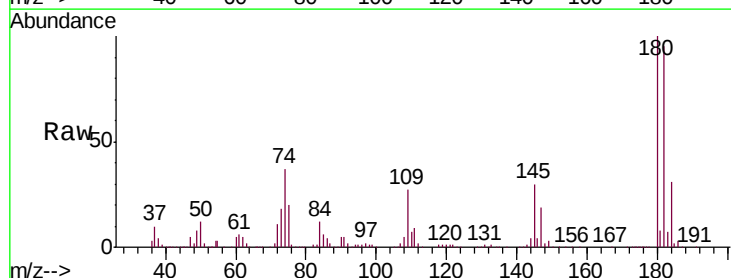
Tgt Ion:180 Resp: 471762

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

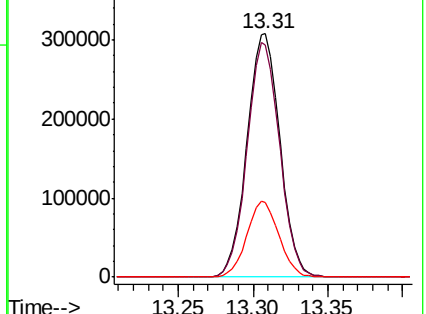
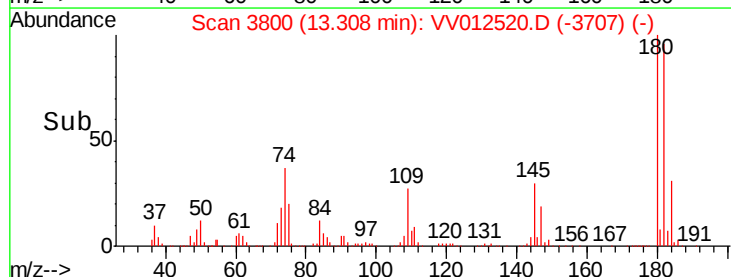
145 30.4 23.8 35.8

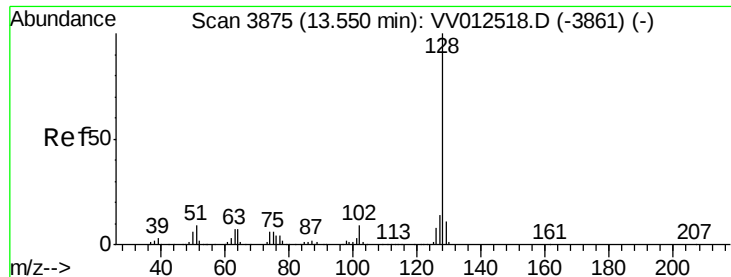


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 28.977 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

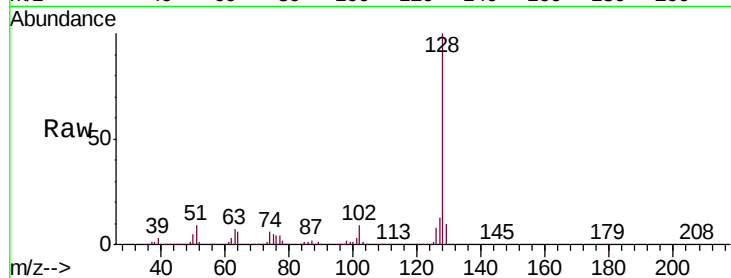
Tgt Ion:128 Resp: 812189

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

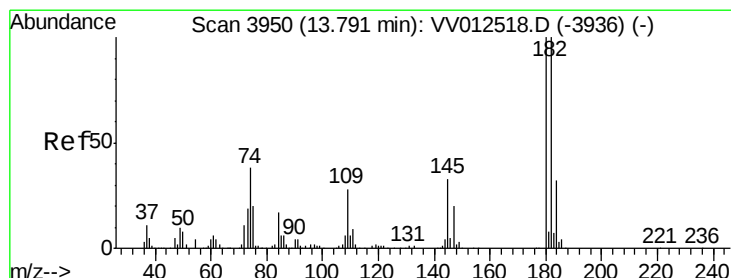
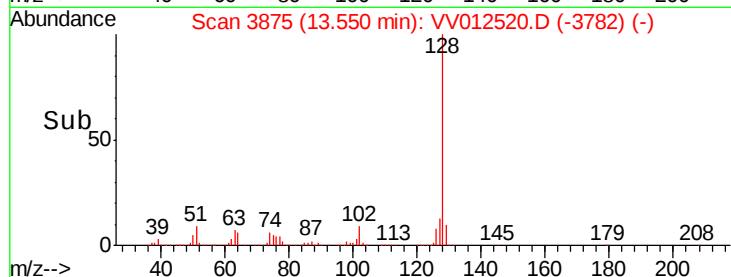
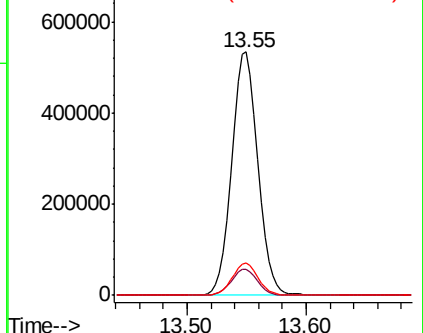
127 13.1 11.0 16.4



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: 22.996 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012520.D

Acq: 02 Sep 2019 11:09

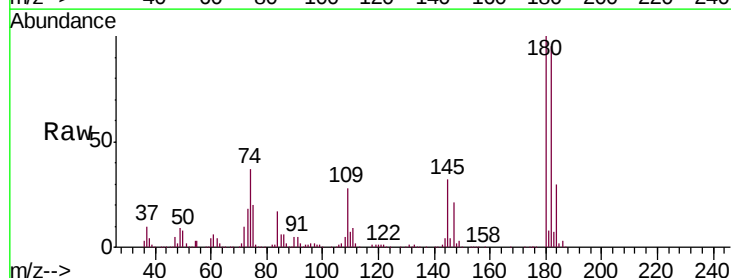
Tgt Ion:180 Resp: 421303

Ion Ratio Lower Upper

180 100

182 95.2 79.4 119.0

145 32.0 26.2 39.4



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

