

Data File : VU035318.D
Acq On : 19 Oct 2019 15:47
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Quant Time: Oct 21 05:49:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 05:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	748481	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	719310	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	333848	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	311319	48.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.70%
7) Chloroethane-d5	1.93	69	265205	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.16%
11) 1,1-Dichloroethene-d2	2.60	63	516518	48.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.22%
21) 2-Butanone-d5	4.69	46	440836	103.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.29%
24) Chloroform-d	5.11	84	522347	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.75	65	338011	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
32) Benzene-d6	5.77	84	1050030	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	6.74	67	335930	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.36%
41) Toluene-d8	7.93	98	997649	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%
43) trans-1,3-Dichloropropene-	8.21	79	175085	50.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.98%
47) 2-Hexanone-d5	8.68	63	318853	108.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.26%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	487540	49.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.96%
64) 1,2-Dichlorobenzene-d4	12.22	152	364329	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	290357	47.681 ug/L	99
3) Chloromethane	1.54	50	311441	49.352 ug/L	98
5) Vinyl chloride	1.62	62	313230	48.789 ug/L	99
6) Bromomethane	1.87	94	184227	47.891 ug/L	97
8) Chloroethane	1.95	64	195338	49.464 ug/L	100
9) Trichlorofluoromethane	2.16	101	402414	49.614 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	223046	47.179 ug/L	98
12) 1,1-Dichloroethene	2.61	96	227553	49.587 ug/L	95
13) Acetone	2.67	43	272552	71.626 ug/L	99
14) Carbon disulfide	2.83	76	676335	46.789 ug/L	100
15) Methyl Acetate	2.99	43	284750	50.627 ug/L	100
16) Methylene chloride	3.09	84	268723	49.385 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	244789	49.790 ug/L	99
18) Methyl tert-butyl Ether	3.42	73	795318	50.865 ug/L	100
19) 1,1-Dichloroethane	3.92	63	464773	49.641 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	281366	50.429 ug/L	94
22) 2-Butanone	4.77	43	416842	90.537 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	140561	50.229	ug/L	96
25) Chloroform	5.14	83	473545	49.004	ug/L	99
27) 1,2-Dichloroethane	5.84	62	371949	49.678	ug/L	98
29) Cyclohexane	5.43	56	388894	48.351	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	399926	50.794	ug/L	99
31) Carbon tetrachloride	5.57	117	349762	50.778	ug/L	98
33) Benzene	5.82	78	1031890	50.740	ug/L	100
34) Trichloroethene	6.58	95	261101	49.827	ug/L	99
35) Methylcyclohexane	6.80	83	374505	46.224	ug/L	99
37) 1,2-Dichloropropane	6.84	63	266421	50.589	ug/L	100
38) Bromodichloromethane	7.15	83	359571	51.036	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	445791	52.382	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	792900	101.907	ug/L	99
42) Toluene	8.01	91	1117055	50.179	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	398967	50.170	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	258702	49.836	ug/L	97
46) Tetrachloroethene	8.58	164	207289	48.967	ug/L	98
48) 2-Hexanone	8.73	43	613357	92.676	ug/L	98
49) Dibromochloromethane	8.84	129	290827	50.202	ug/L	100
50) 1,2-Dibromoethane	8.96	107	285386	49.694	ug/L	98
51) Chlorobenzene	9.48	112	707438	48.725	ug/L	98
52) Ethylbenzene	9.60	91	1230690	49.600	ug/L	99
53) m,p-Xylene	9.73	106	464669	50.804	ug/L	99
54) o-xylene	10.13	106	451787	49.799	ug/L	98
55) Styrene	10.14	104	766349	51.870	ug/L	99
56) Isopropylbenzene	10.51	105	1161575	49.454	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	444878	49.025	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	350821	48.919	ug/L	100
61) Bromoform	10.32	173	226632	47.439	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	515163	47.490	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	512607	47.189	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	512707	47.348	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	85344	49.863	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	295743	48.720	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	204760	51.178	ug/L	98
69) Naphthalene	14.11	128	564494	51.256	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	214437	51.810	ug/L	100

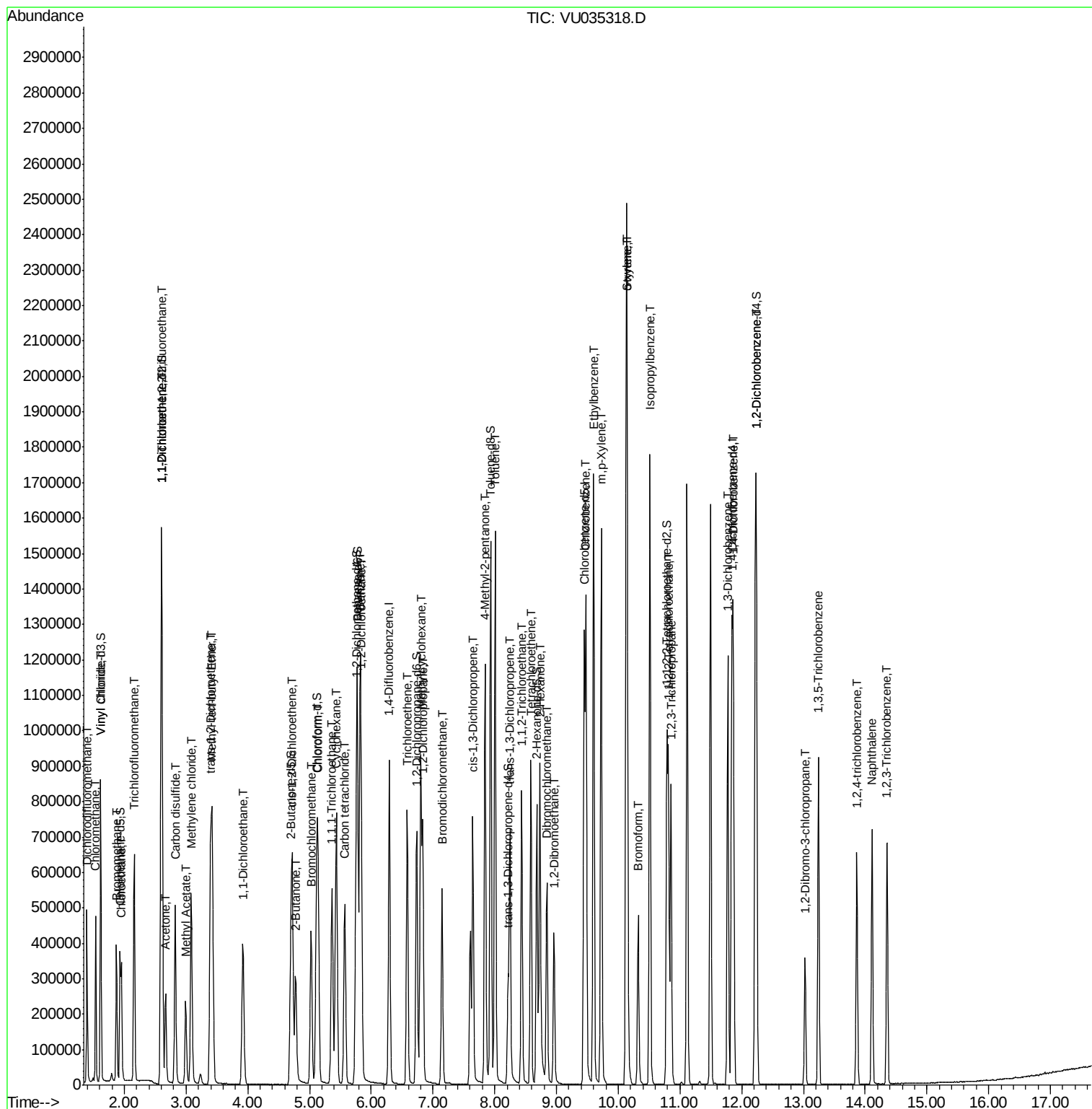
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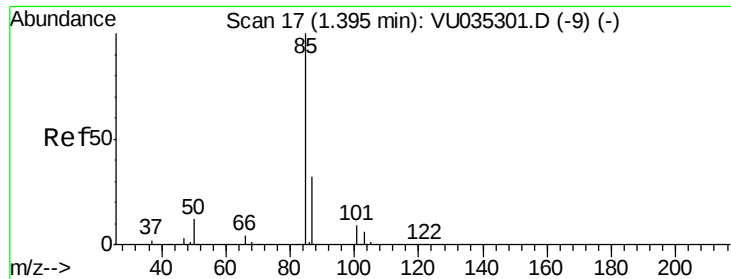
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#2

Dichlorodifluoromethane

Concen: 47.681 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

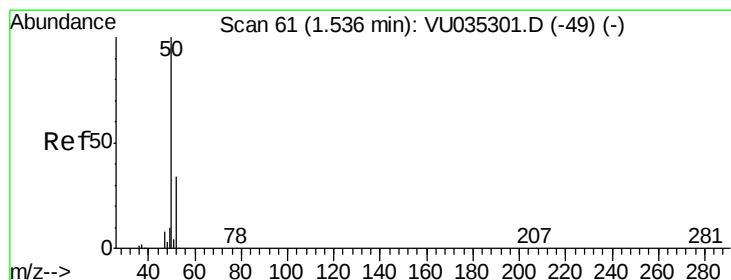
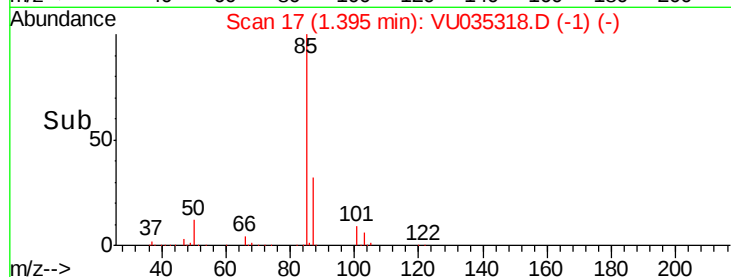
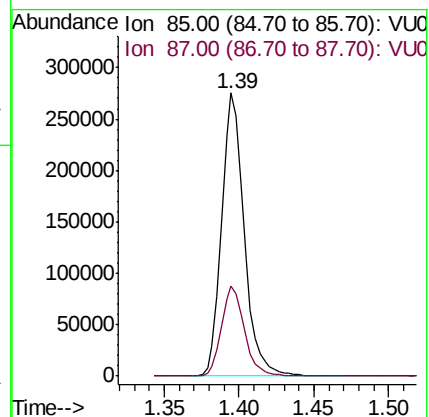
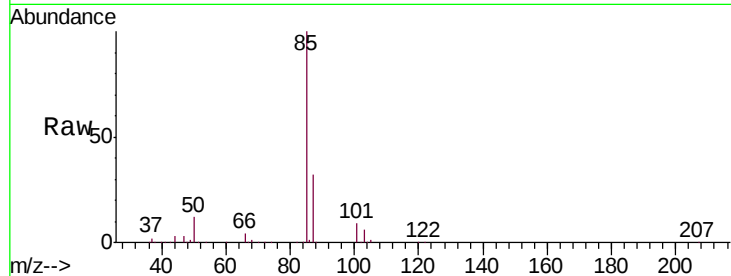
VSTD05055

Tgt Ion: 85 Resp: 290357

Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



#3

Chloromethane

Concen: 49.352 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035318.D

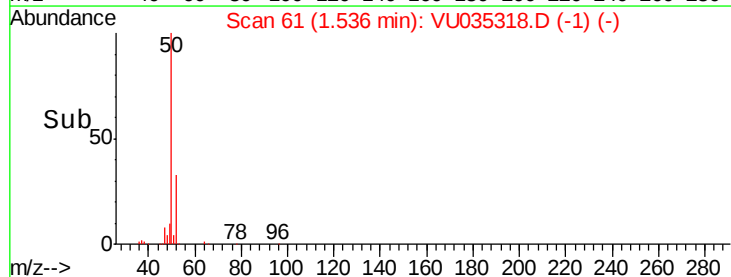
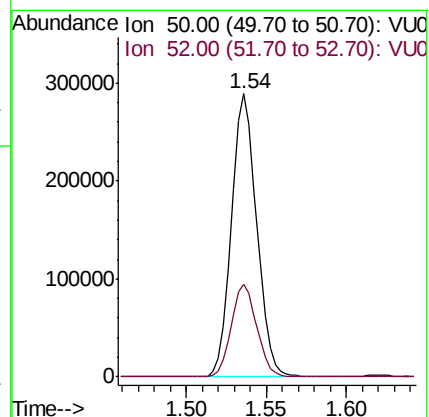
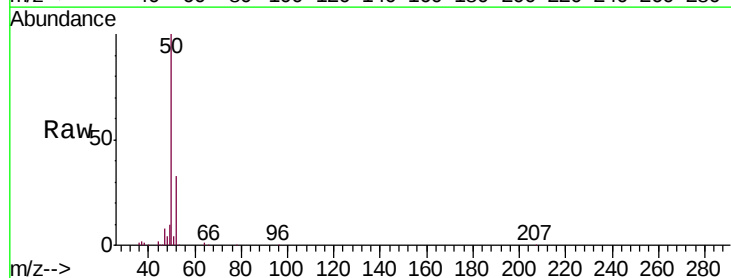
Acq: 19 Oct 2019 15:47

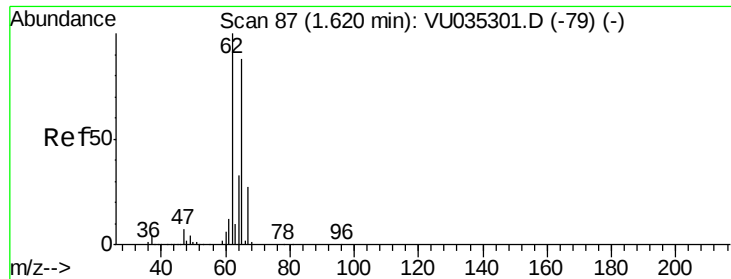
Tgt Ion: 50 Resp: 311441

Ion Ratio Lower Upper

50 100

52 32.8 23.6 43.8





#5

Vinyl chloride

Concen: 48.789 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

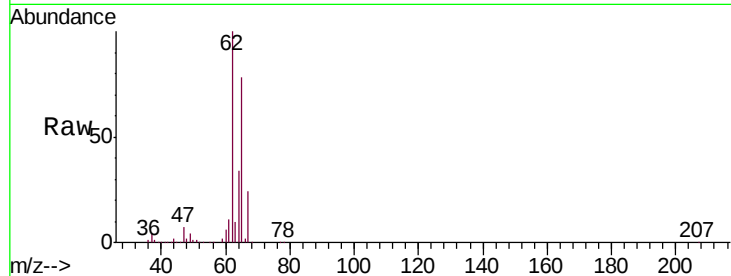
VSTD05055

Tgt Ion: 62 Resp: 313230

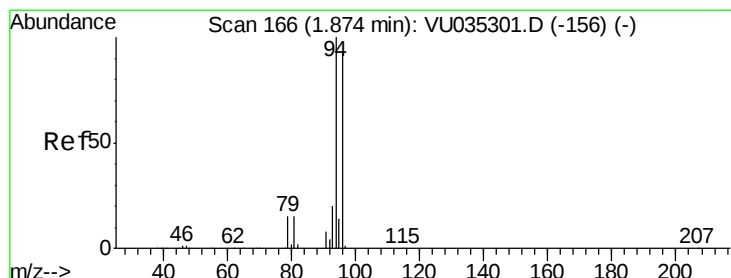
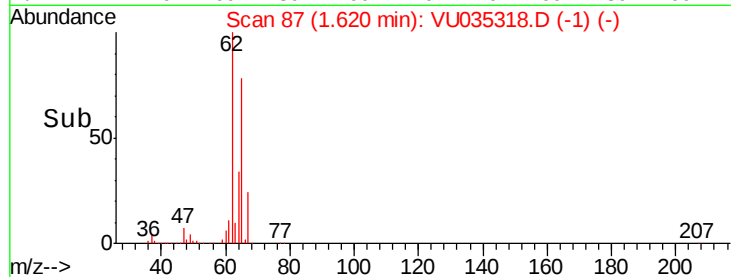
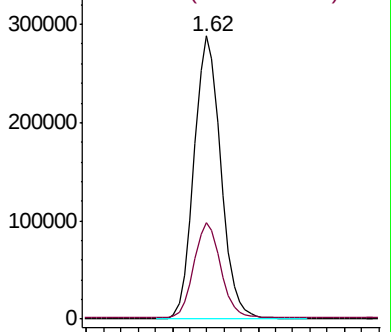
Ion Ratio Lower Upper

62 100

64 34.1 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU035318.D (-1) (-)



#6

Bromomethane

Concen: 47.891 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035318.D

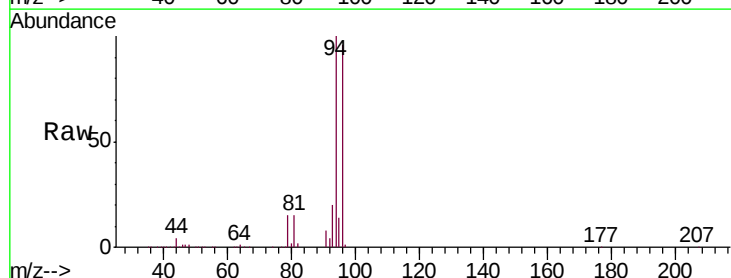
Acq: 19 Oct 2019 15:47

Tgt Ion: 94 Resp: 184227

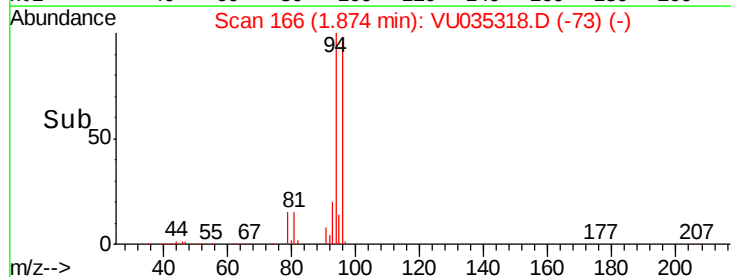
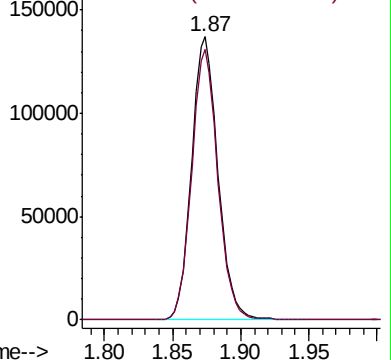
Ion Ratio Lower Upper

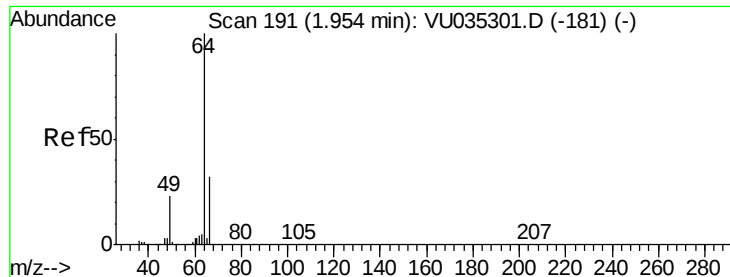
94 100

96 95.6 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU035318.D (-73) (-)

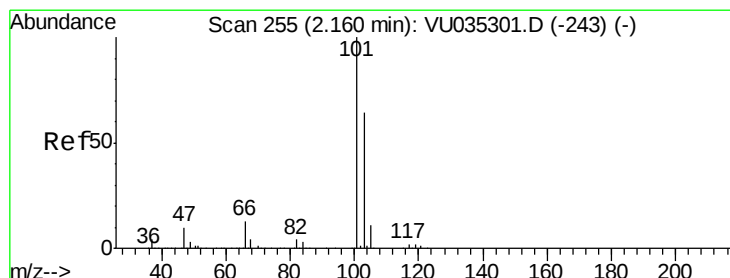
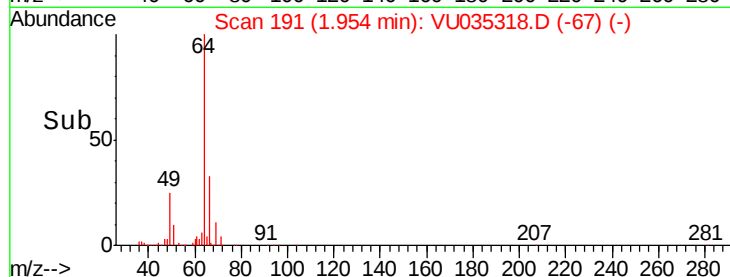
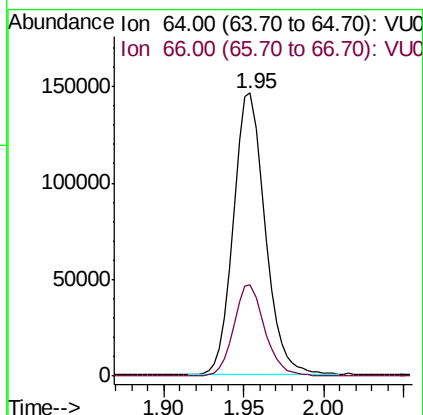
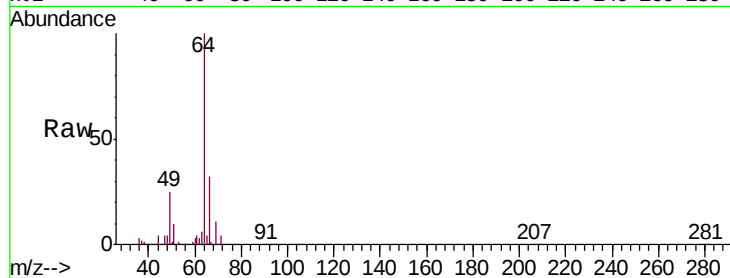




#8
Chloroethane
Concen: 49.464 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

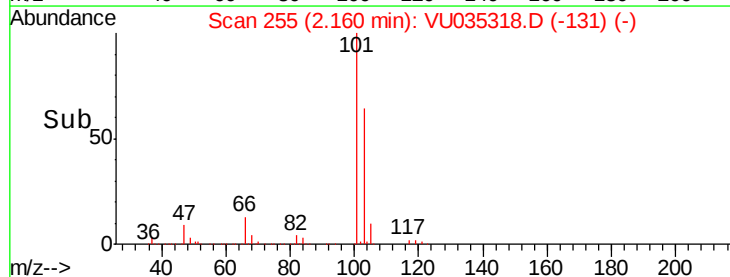
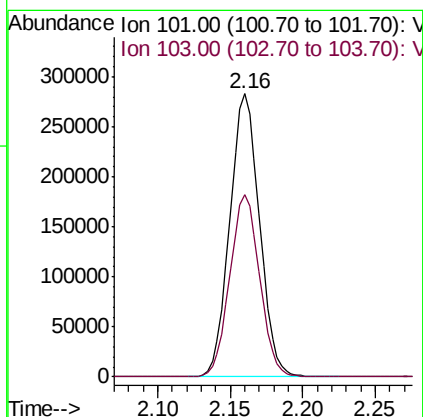
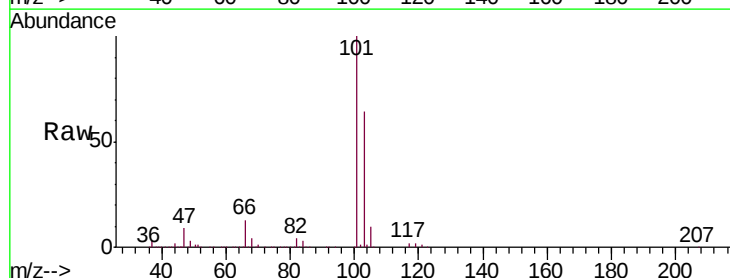
Instrument :
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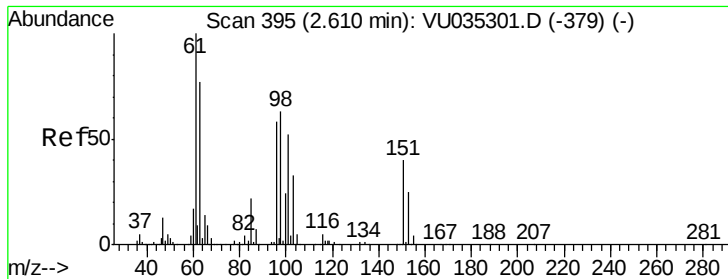
Tgt Ion: 64 Resp: 195338
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 49.614 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

Tgt Ion: 101 Resp: 402414
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0





#10

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

Concen: 47.179 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

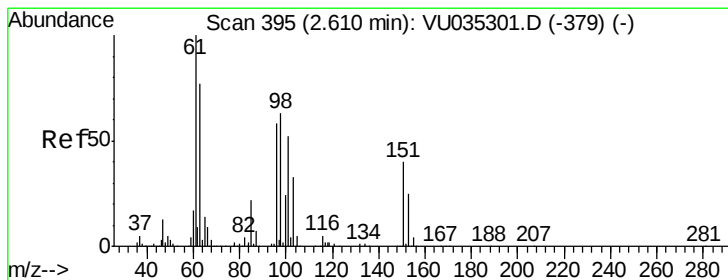
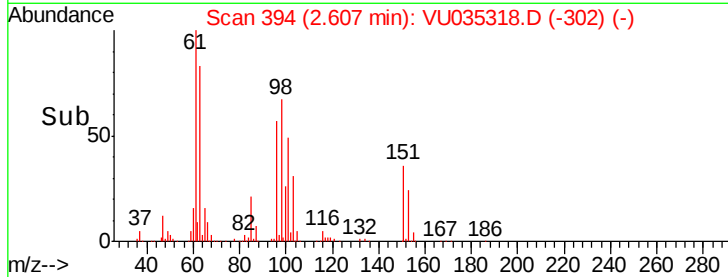
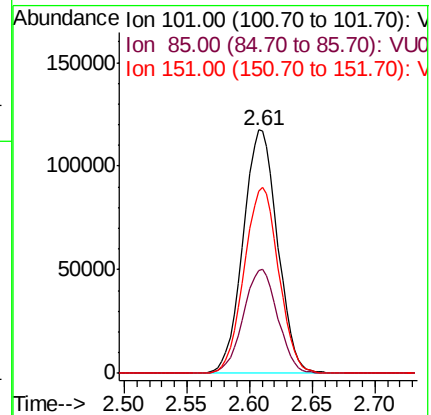
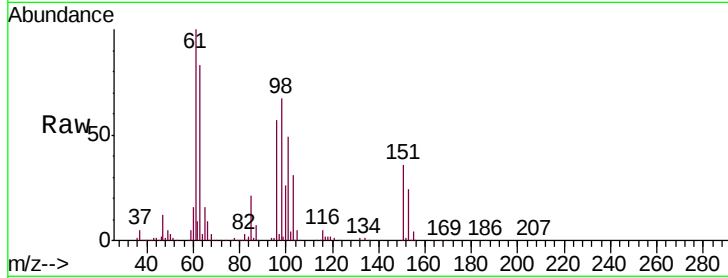
Tgt Ion: 101 Resp: 223046

Ion Ratio Lower Upper

101 100

85 42.9 33.7 50.5

151 77.1 60.3 90.5



#12

1,1-Dichloroethene

Concen: 49.587 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

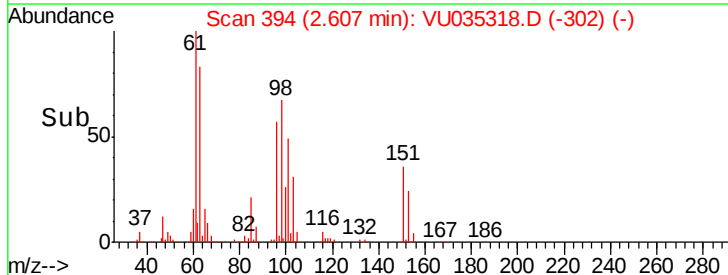
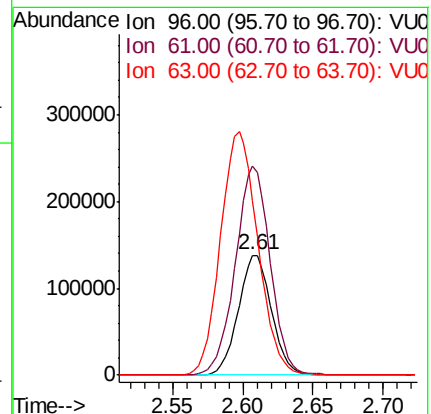
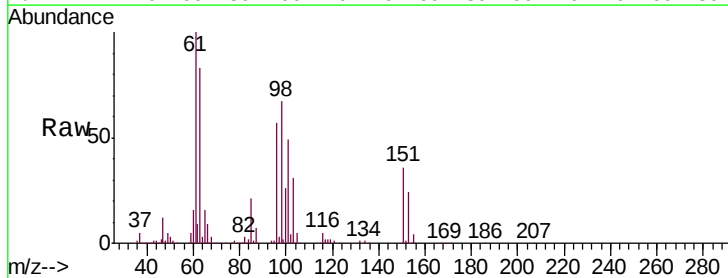
Tgt Ion: 96 Resp: 227553

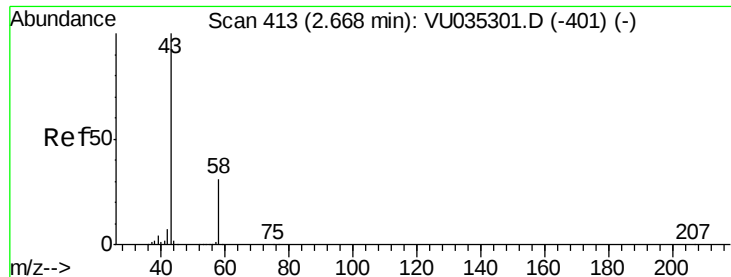
Ion Ratio Lower Upper

96 100

61 174.3 121.1 224.9

63 144.9 93.9 174.3





#13

Acetone

Concen: 71.626 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

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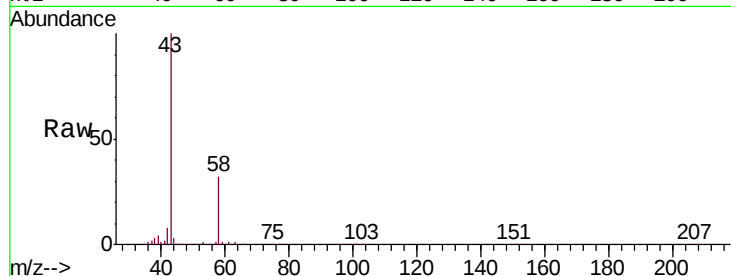
VSTD05055

Tgt Ion: 43 Resp: 272552

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU035318.D (-320) (-)

Ion 58.00 (57.70 to 58.70): VU035318.D (-320) (-)

2.67

150000

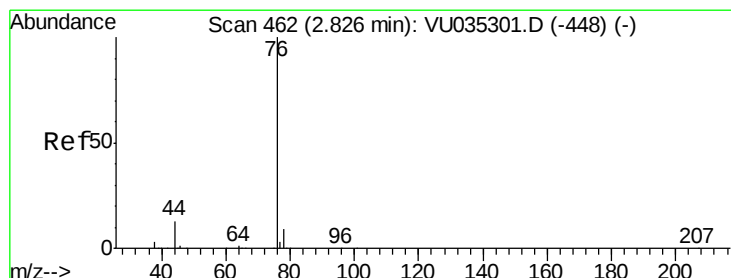
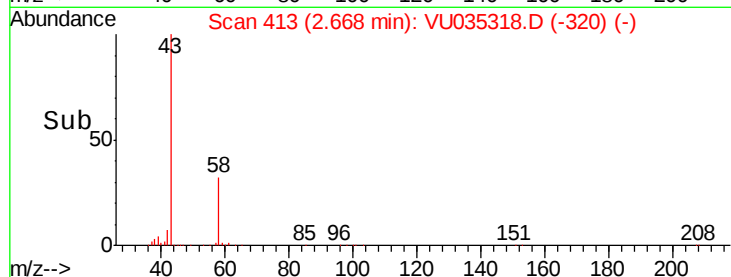
100000

50000

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 46.789 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU035318.D

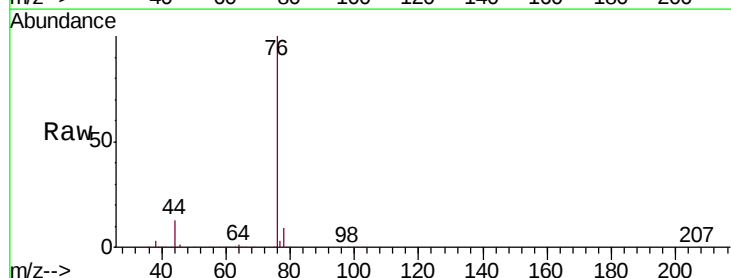
Acq: 19 Oct 2019 15:47

Tgt Ion: 76 Resp: 676335

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU035318.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VU035318.D (-369) (-)

2.83

400000

300000

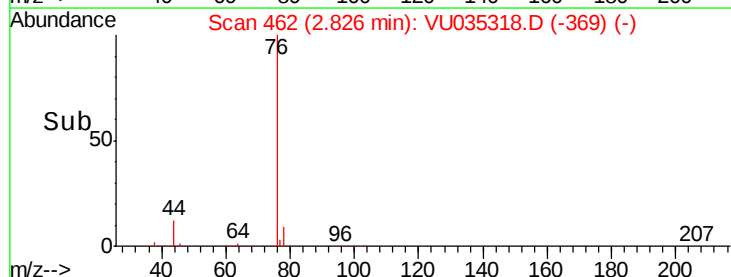
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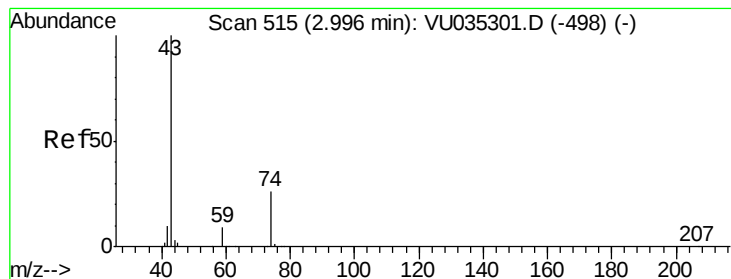
100000

0

2.80 2.90

Time-->





#15

Methyl Acetate

Concen: 50.627 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

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Acq: 19 Oct 2019 15:47

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ClientSampleId :

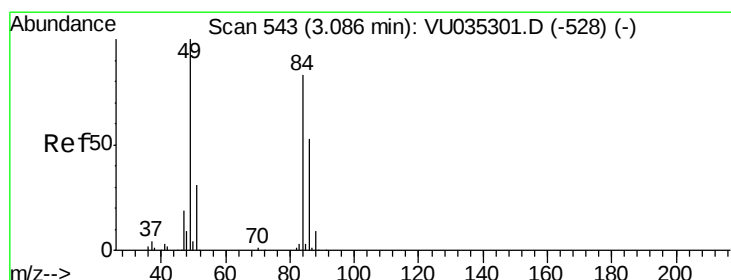
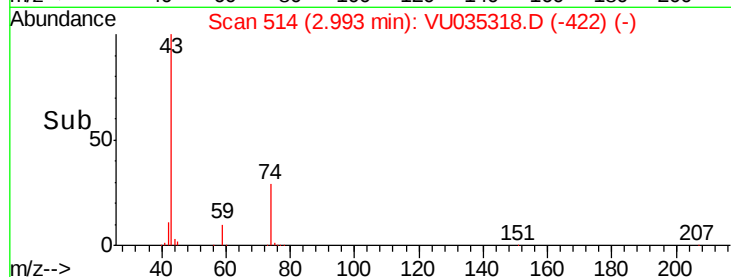
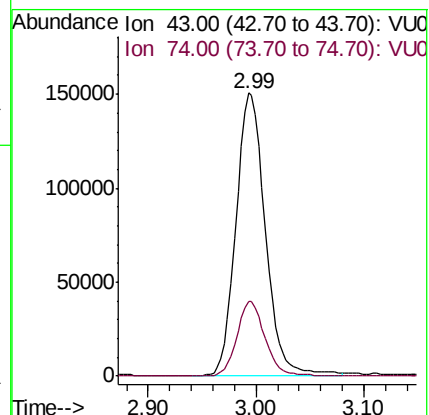
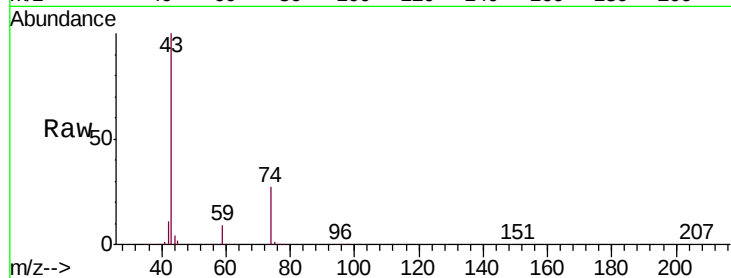
VSTD05055

Tgt Ion: 43 Resp: 284750

Ion Ratio Lower Upper

43 100

74 25.6 20.3 30.5



#16

Methylene chloride

Concen: 49.385 ug/L

RT: 3.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

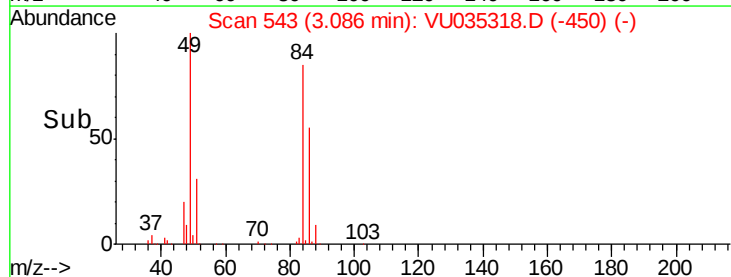
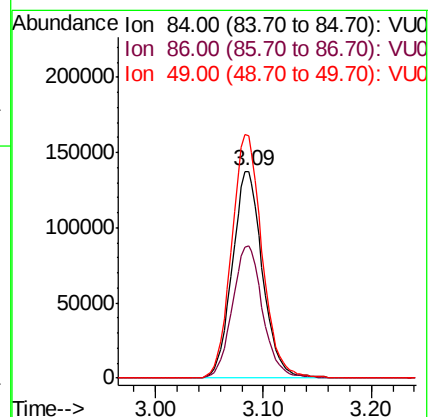
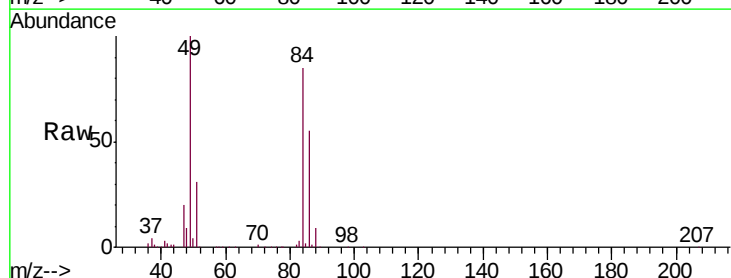
Tgt Ion: 84 Resp: 268723

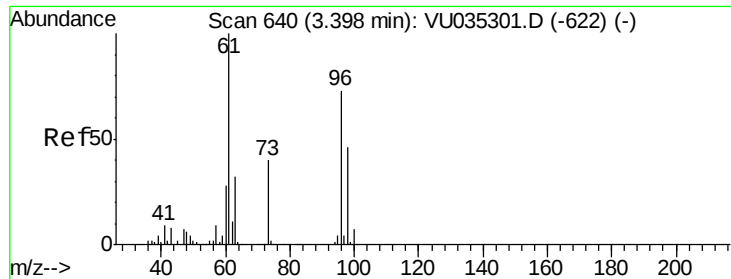
Ion Ratio Lower Upper

84 100

86 64.2 44.4 82.5

49 117.1 84.0 156.0





#17

trans-1,2-Dichloroethene

Concen: 49.790 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

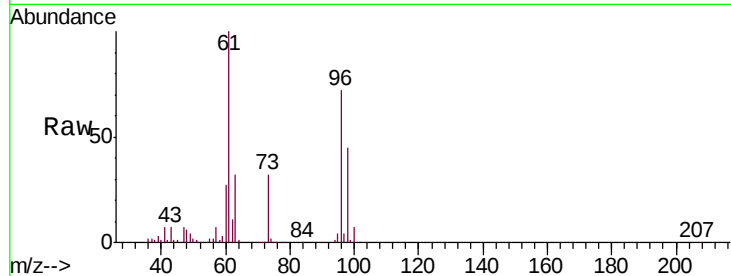
Tgt Ion: 96 Resp: 244789

Ion Ratio Lower Upper

96 100

61 139.1 95.8 178.0

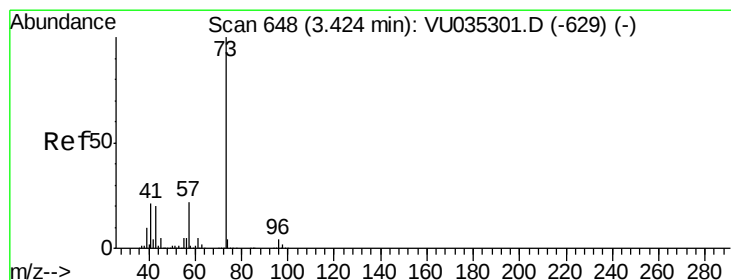
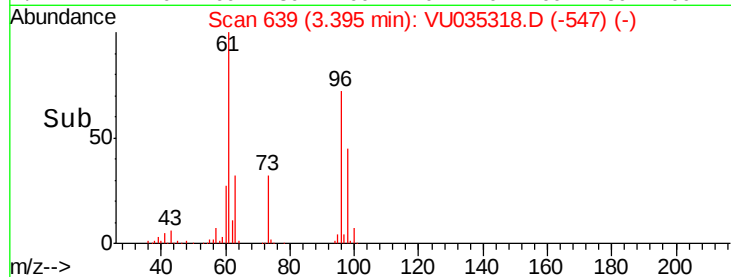
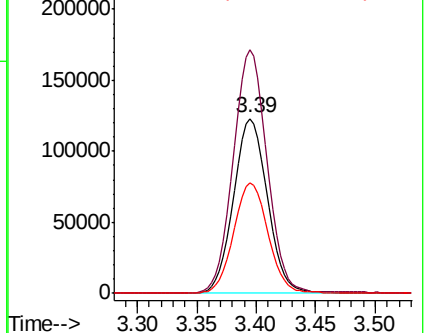
98 63.1 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VU035318.D (-547) (-)

Ion 61.00 (60.70 to 61.70): VU035318.D (-547) (-)

Ion 98.00 (97.70 to 98.70): VU035318.D (-547) (-)



#18

Methyl tert-butyl Ether

Concen: 50.865 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

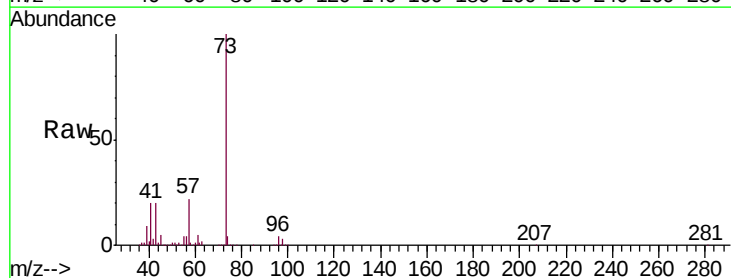
Tgt Ion: 73 Resp: 795318

Ion Ratio Lower Upper

73 100

43 20.3 16.0 24.0

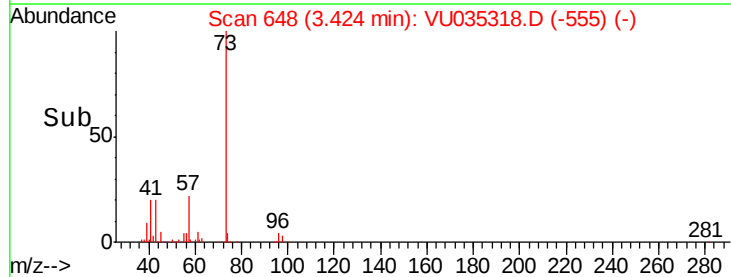
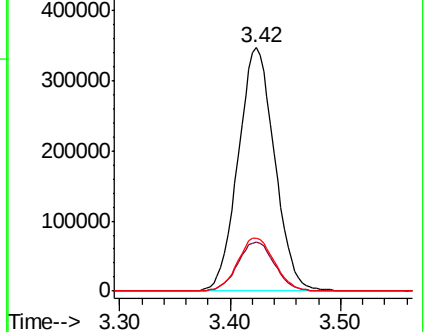
57 22.0 17.6 26.4

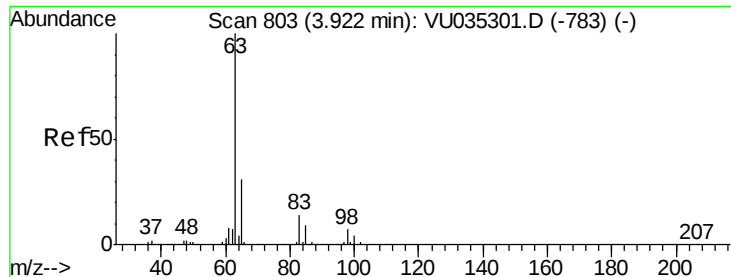


Abundance Ion 73.00 (72.70 to 73.70): VU035318.D (-555) (-)

Ion 43.00 (42.70 to 43.70): VU035318.D (-555) (-)

Ion 57.00 (56.70 to 57.70): VU035318.D (-555) (-)

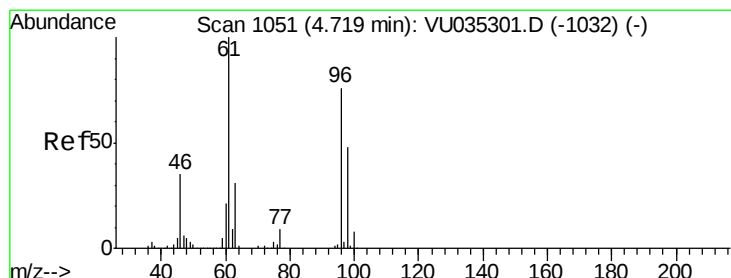
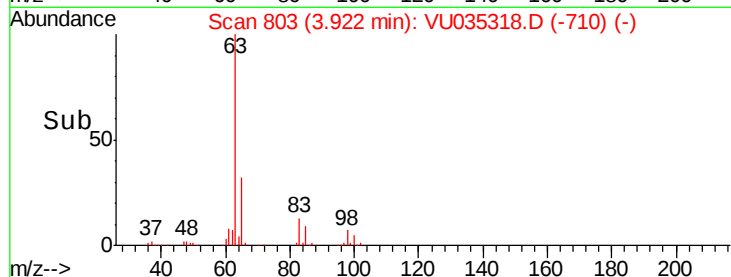
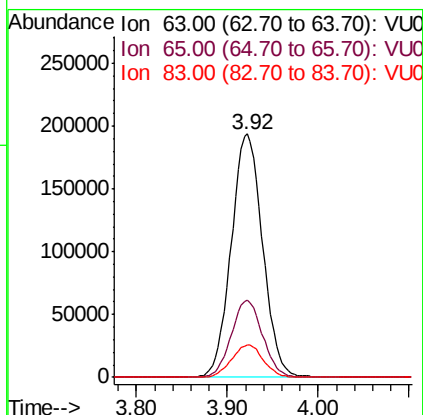
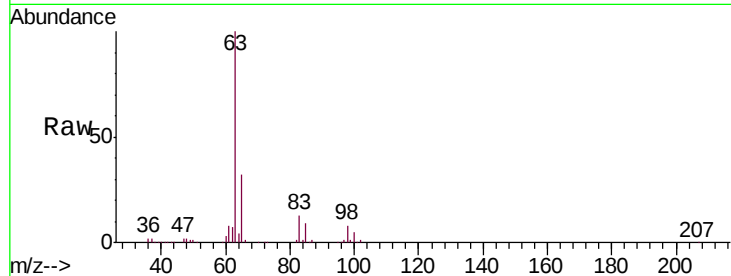




#19
 1,1-Dichloroethane
 Concen: 49.641 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

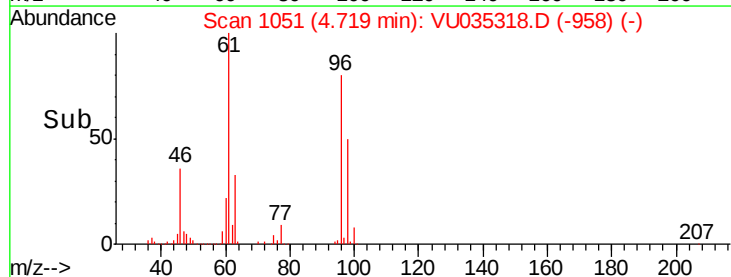
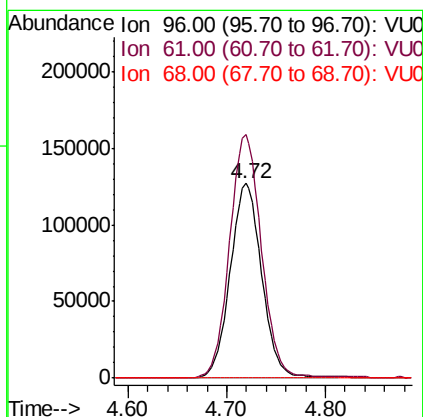
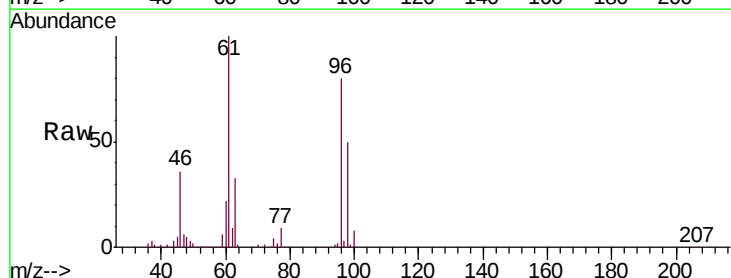
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

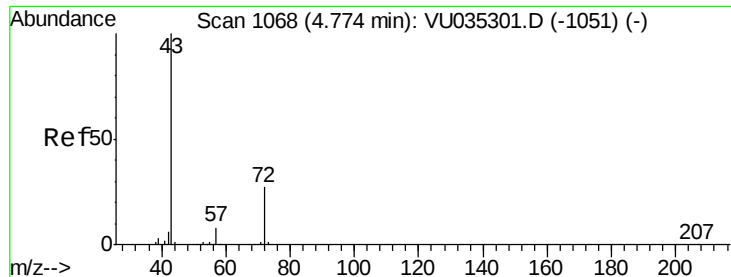
Tgt Ion: 63 Resp: 464773
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.6 40.0
 83 13.3 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 50.429 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

Tgt Ion: 96 Resp: 281366
 Ion Ratio Lower Upper
 96 100
 61 124.9 92.7 172.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.537 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

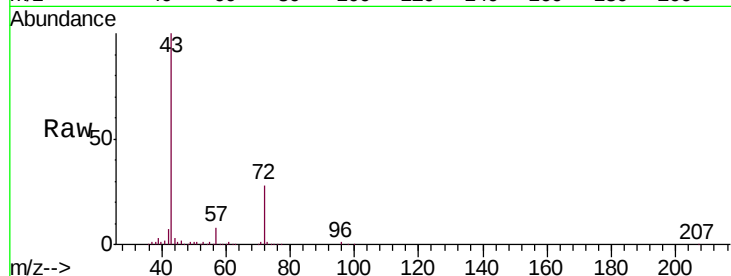
VSTD05055

Tgt Ion: 43 Resp: 416842

Ion Ratio Lower Upper

43 100

72 27.8 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU035318.D (-975) (-)

Ion 72.00 (71.70 to 72.70): VU035318.D (-975) (-)

4.77

200000

150000

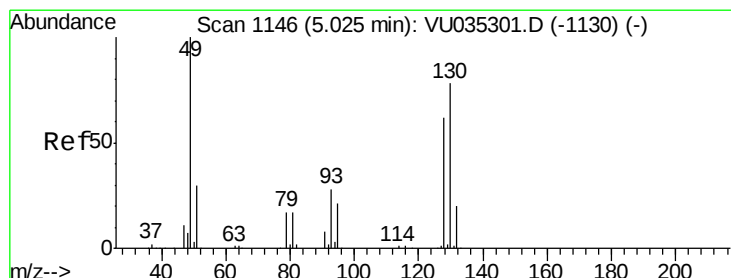
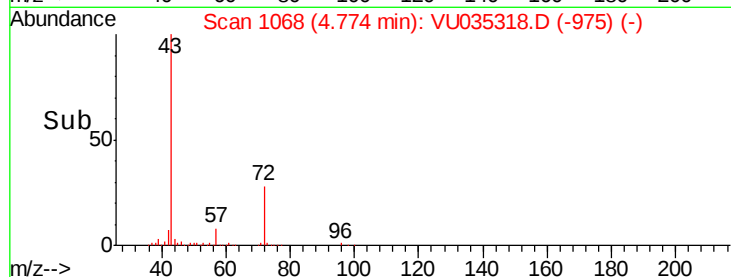
100000

50000

0

4.70 4.75 4.80 4.85 4.90

Time-->



#23

Bromochloromethane

Concen: 50.229 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Tgt Ion: 128 Resp: 140561

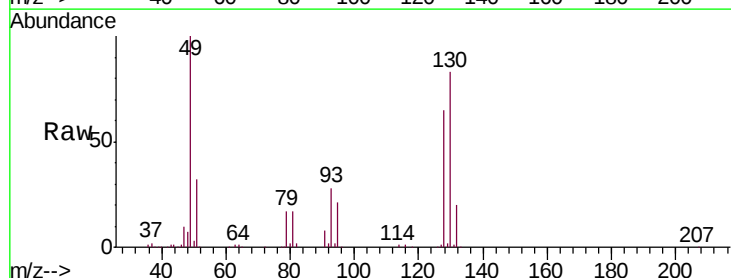
Ion Ratio Lower Upper

128 100

49 154.0 112.7 209.3

130 128.2 87.8 163.0

51 49.4 39.0 58.4



Abundance Ion 128.00 (127.70 to 128.70): VU035318.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU035318.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU035318.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU035318.D (-1053) (-)

150000

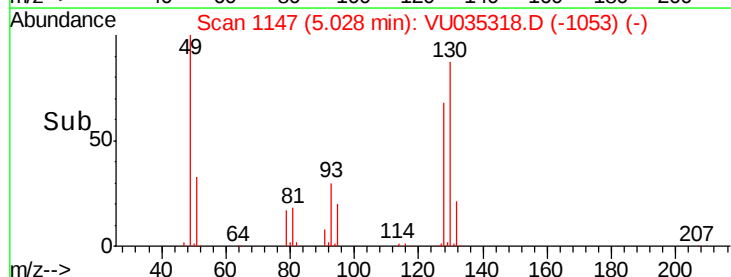
100000

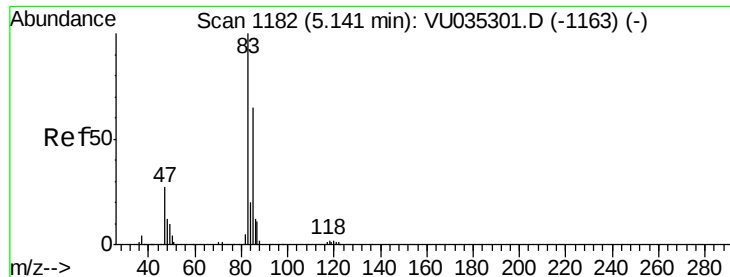
50000

0

5.00 5.03 5.10

Time-->

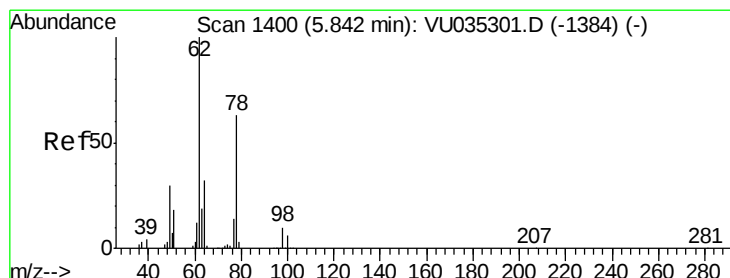
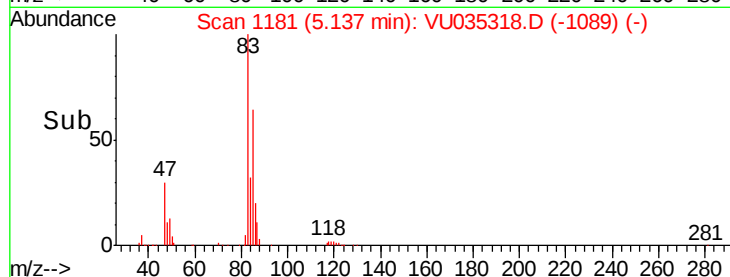
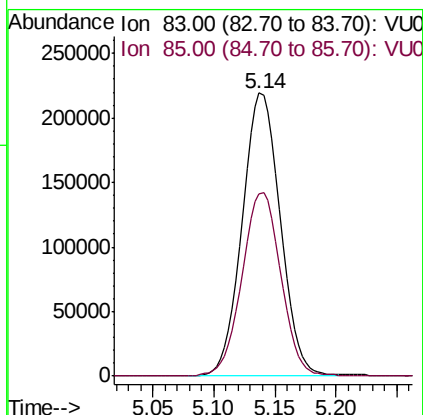
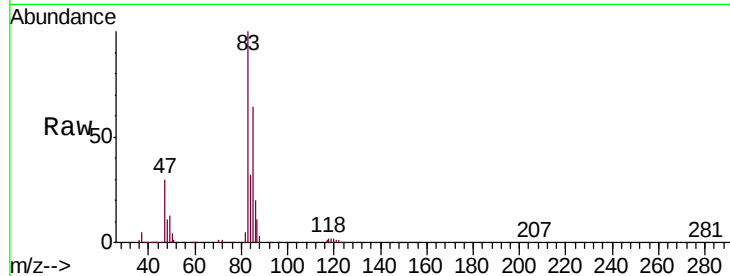




#25
Chloroform
Concen: 49.004 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

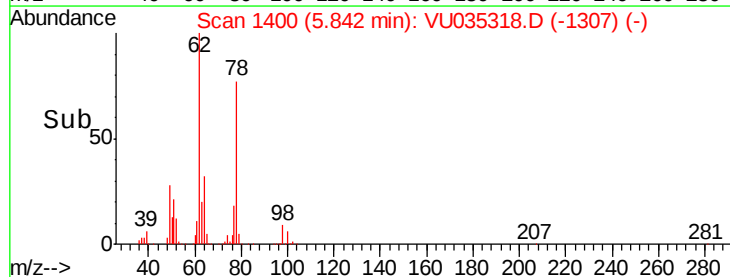
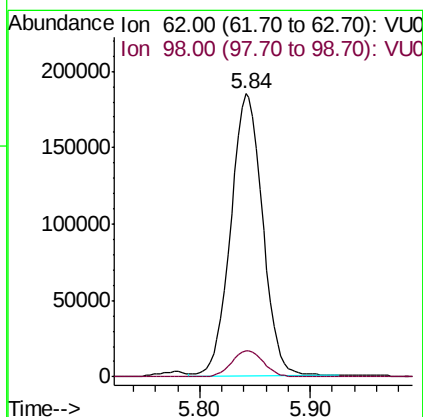
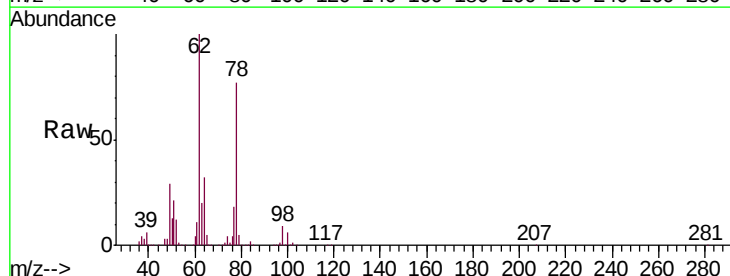
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

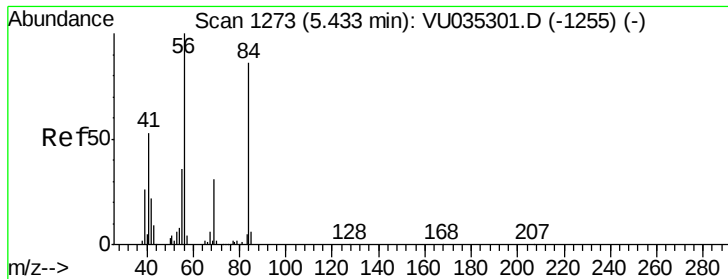
Tgt Ion: 83 Resp: 473545
Ion Ratio Lower Upper
83 100
85 64.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.678 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

Tgt Ion: 62 Resp: 371949
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.6

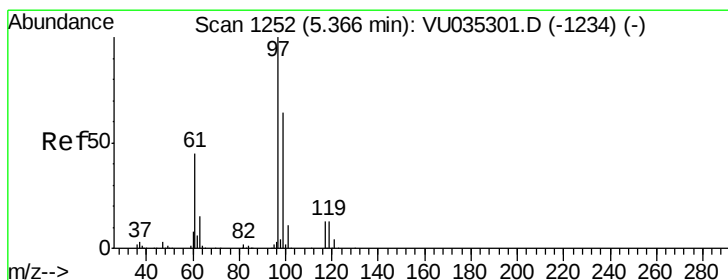
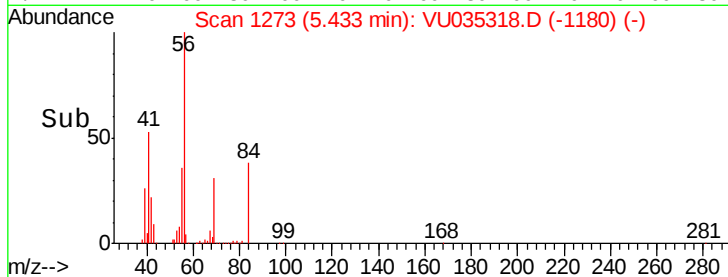
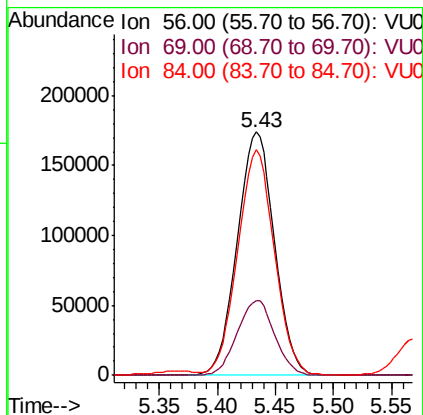
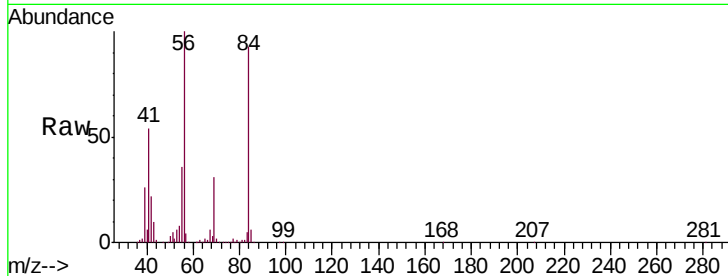




#29
Cyclohexane
Concen: 48.351 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

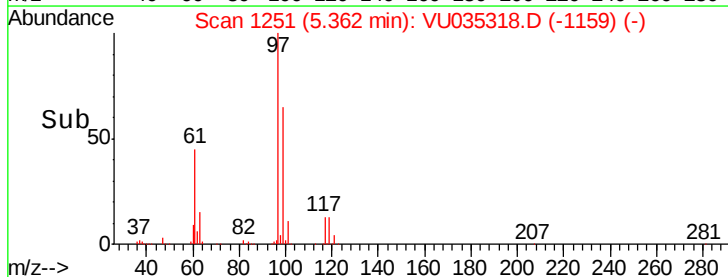
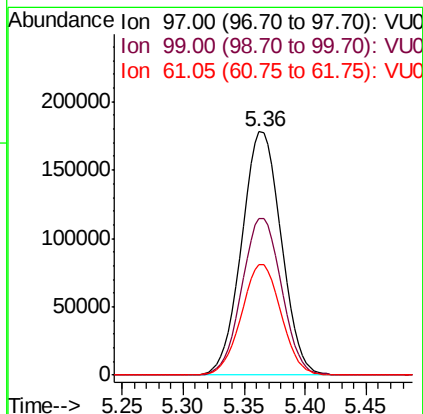
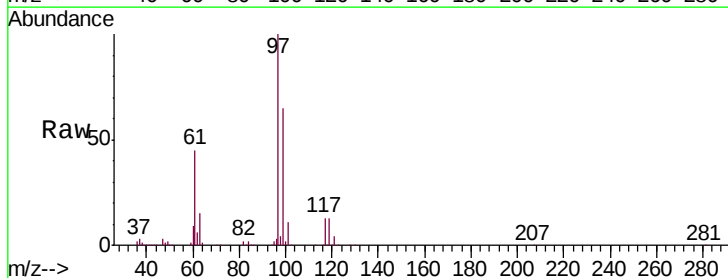
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

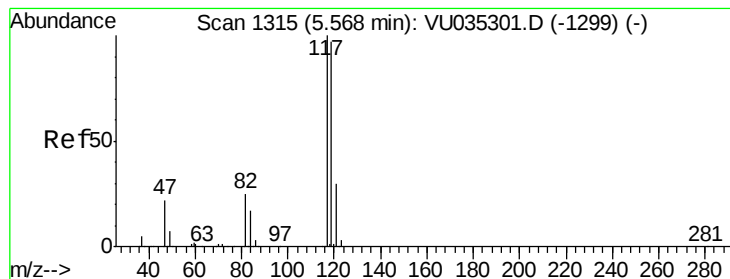
Tgt Ion: 56 Resp: 388894
Ion Ratio Lower Upper
56 100
69 31.0 24.2 36.4
84 91.1 71.1 106.7



#30
1,1,1-Trichloroethane
Concen: 50.794 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

Tgt Ion: 97 Resp: 399926
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 45.2 36.6 54.8





#31

Carbon tetrachloride

Concen: 50.778 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

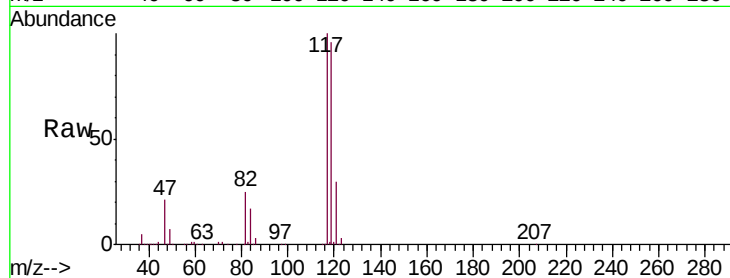
VSTD05055

Tgt Ion:117 Resp: 349762

Ion Ratio Lower Upper

117 100

119 95.6 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.57

150000

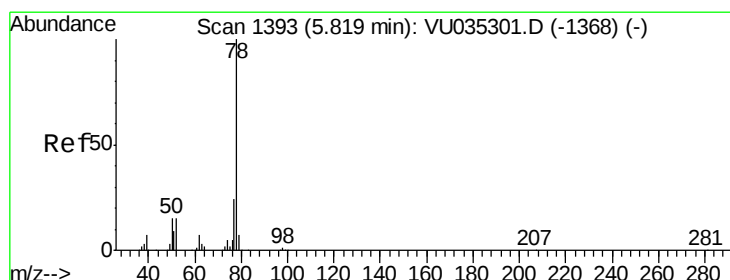
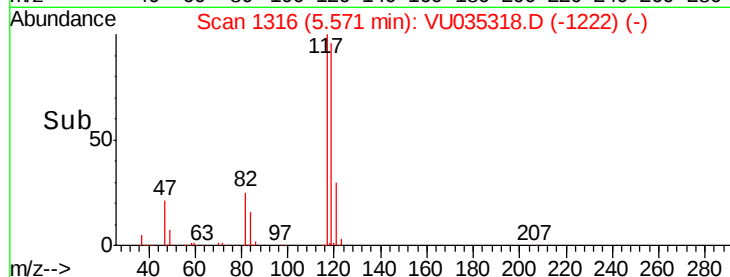
100000

50000

0

Time-->

5.50 5.60 5.70



#33

Benzene

Concen: 50.740 ug/L

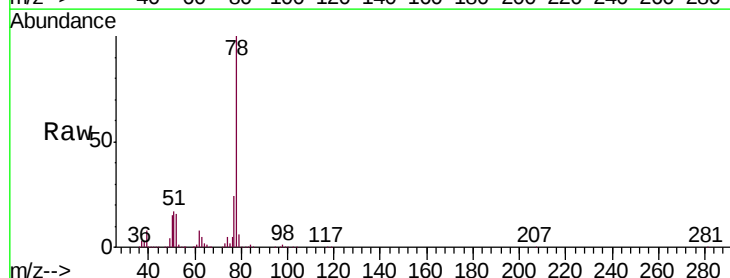
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Tgt Ion: 78 Resp: 1031890



Abundance Ion 78.00 (77.70 to 78.70): VU0

600000

500000

400000

300000

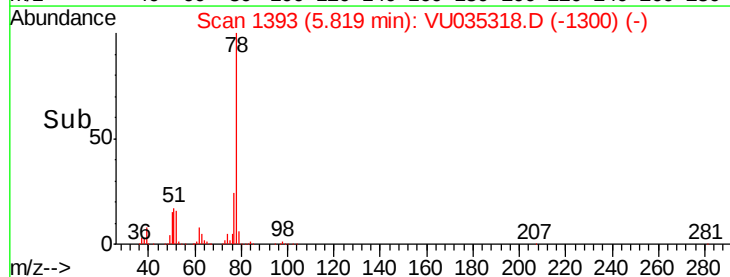
200000

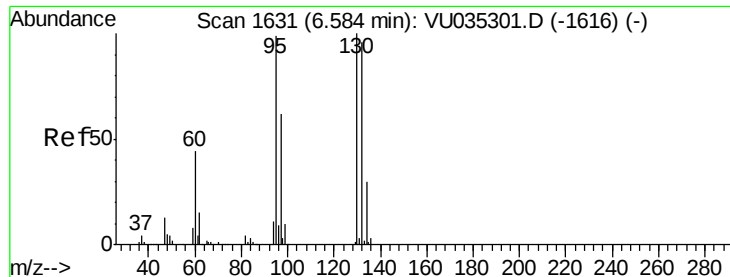
100000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 49.827 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

Tgt Ion: 95 Resp: 261101

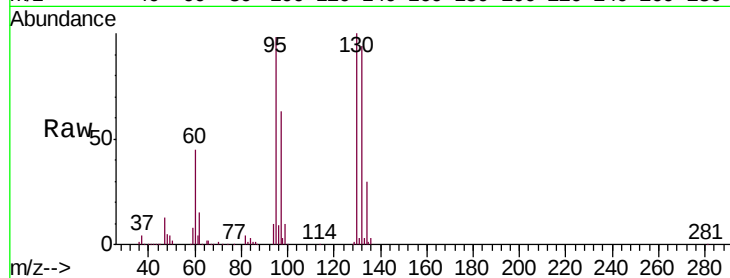
Ion Ratio Lower Upper

95 100

97 64.5 44.2 82.2

132 96.0 67.8 125.8

130 102.2 70.9 131.7

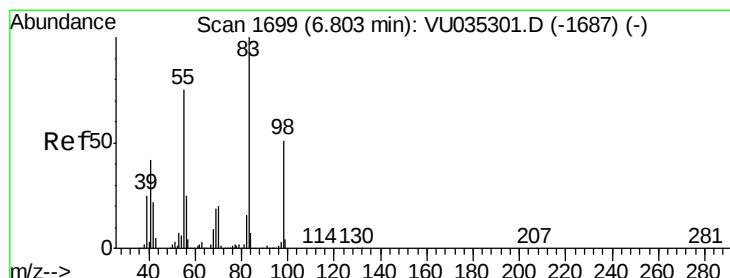
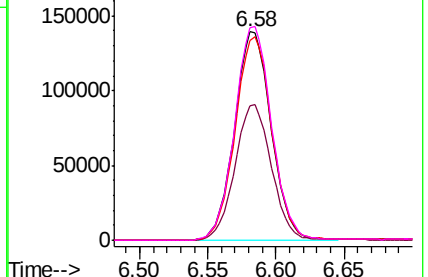
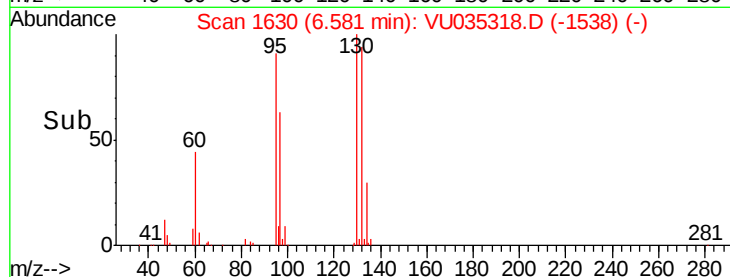


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 46.224 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

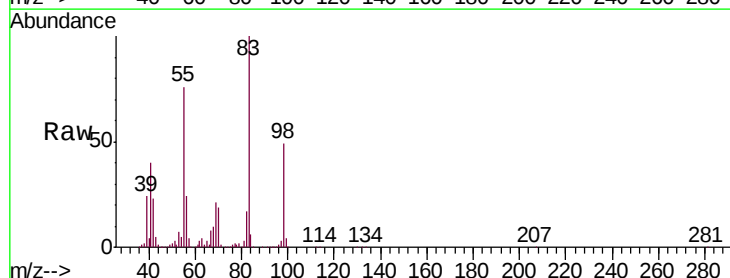
Tgt Ion: 83 Resp: 374505

Ion Ratio Lower Upper

83 100

55 75.0 59.5 89.3

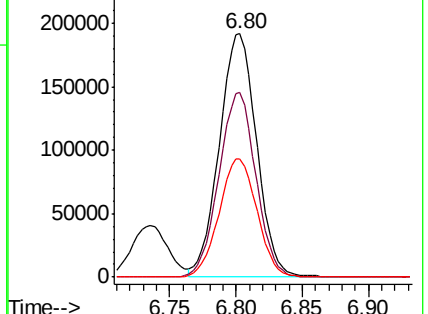
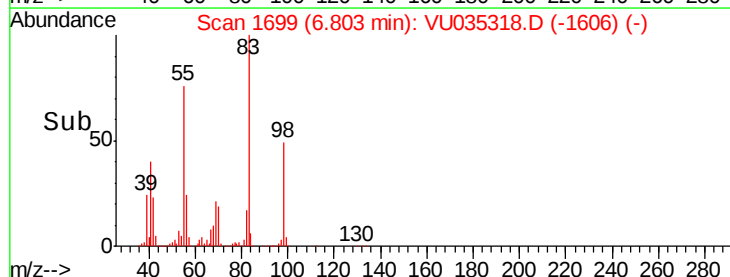
98 49.3 39.9 59.9

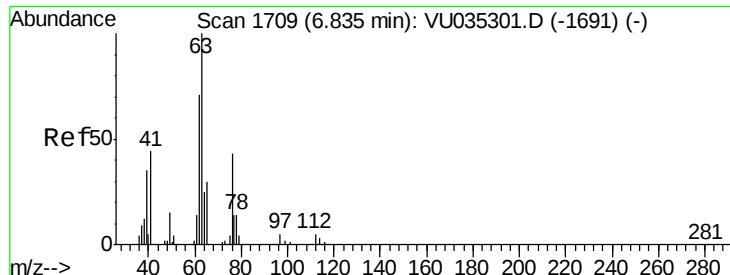


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

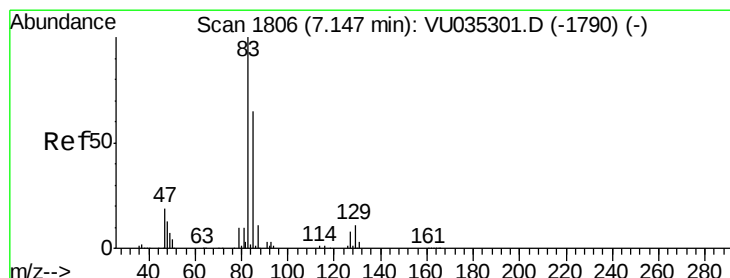
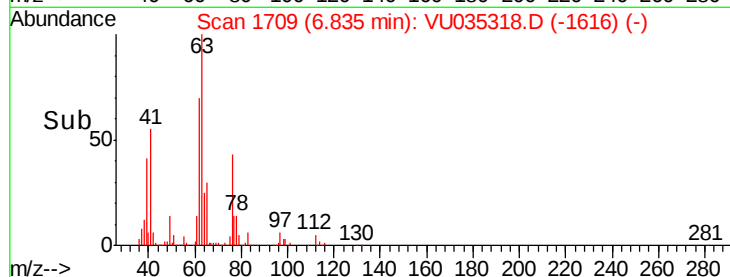
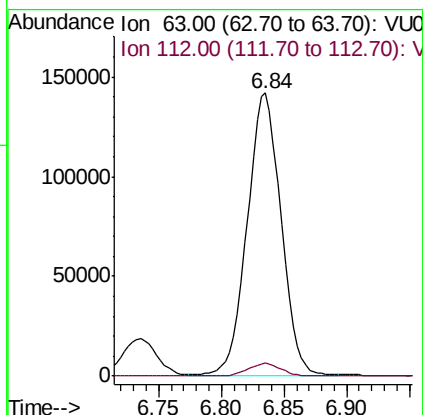
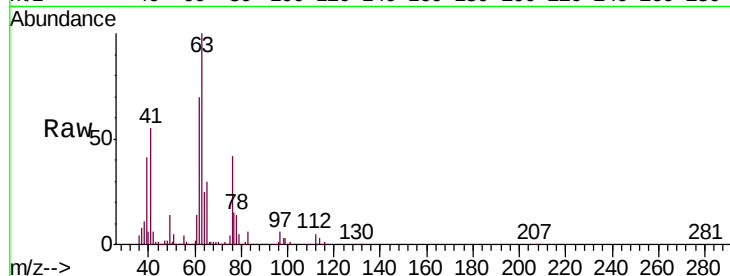




#37
 1,2-Dichloropropane
 Concen: 50.589 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

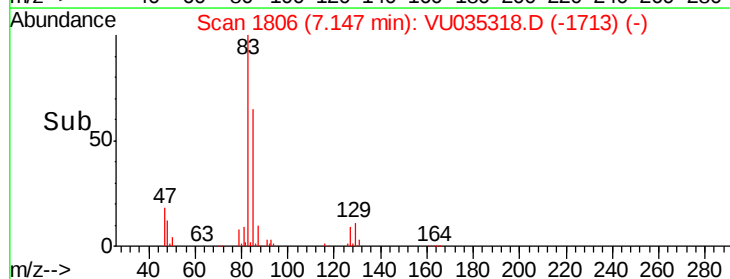
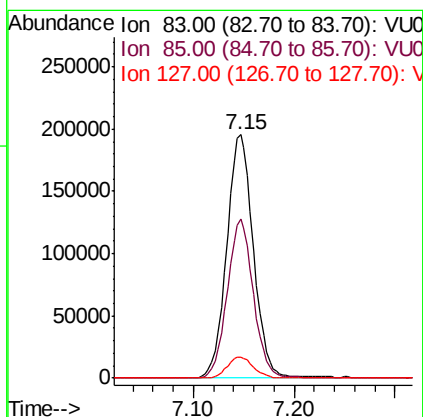
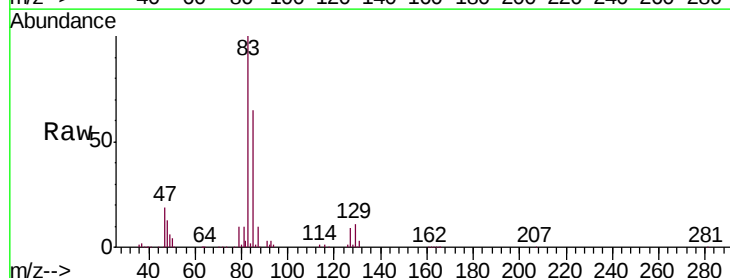
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

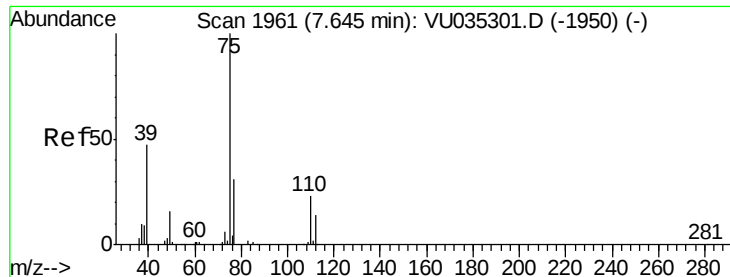
Tgt Ion: 63 Resp: 266421
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 51.036 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

Tgt Ion: 83 Resp: 359571
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.3 84.1
 127 8.7 6.6 10.0

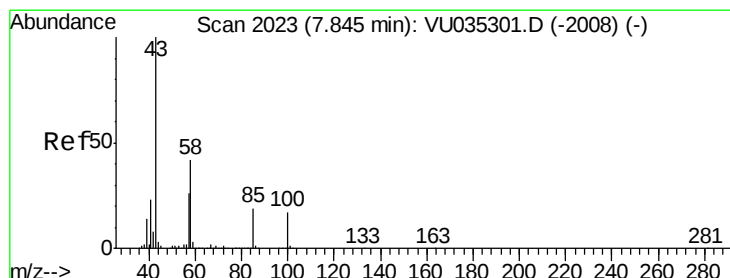
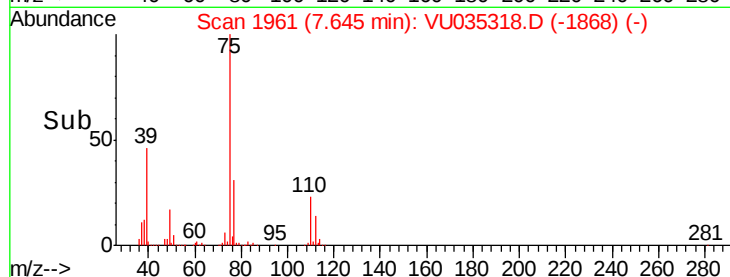
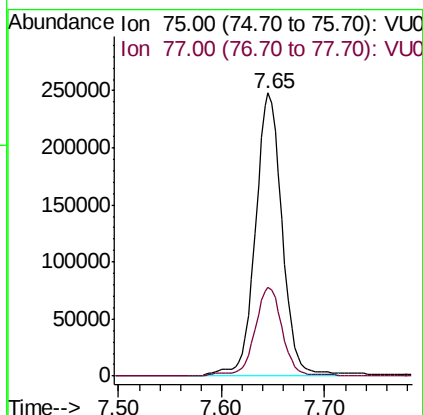
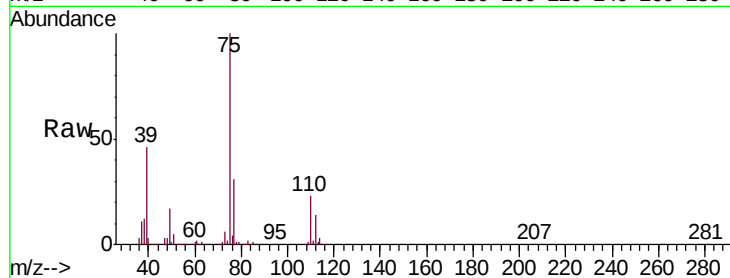




#39
 cis-1,3-Dichloropropene
 Concen: 52.382 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

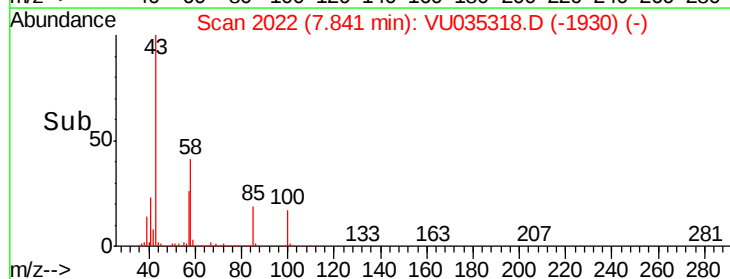
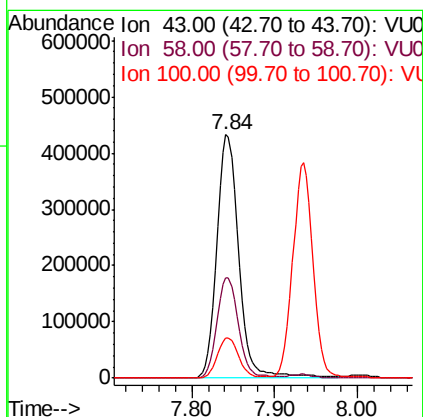
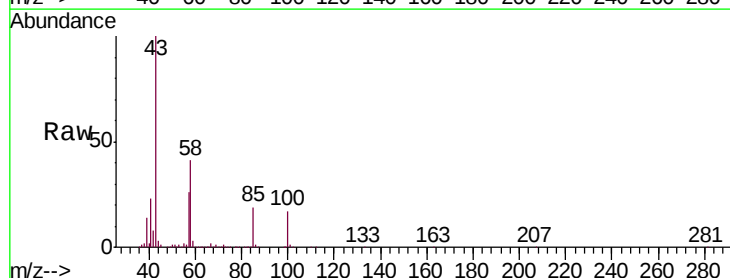
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05055

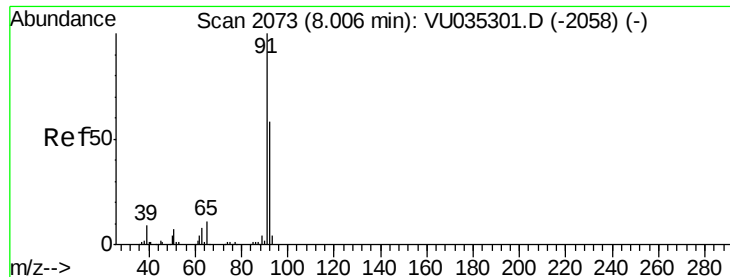
Tgt Ion: 75 Resp: 445791
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 101.907 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

Tgt Ion: 43 Resp: 792900
 Ion Ratio Lower Upper
 43 100
 58 40.5 33.1 49.7
 100 16.2 13.2 19.8





#42

Toluene

Concen: 50.179 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

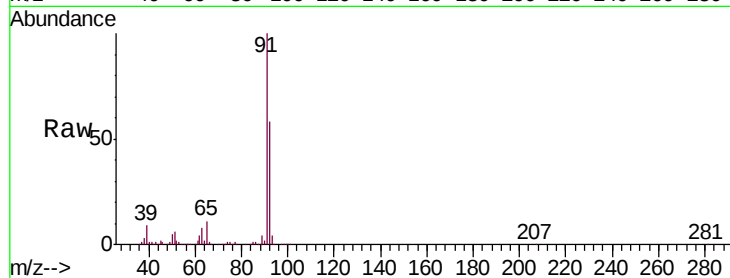
VSTD05055

Tgt Ion: 91 Resp: 1117055

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU035318.D (-1980) (-)

Ion 92.00 (91.70 to 92.70): VU035318.D (-1980) (-)

8.01

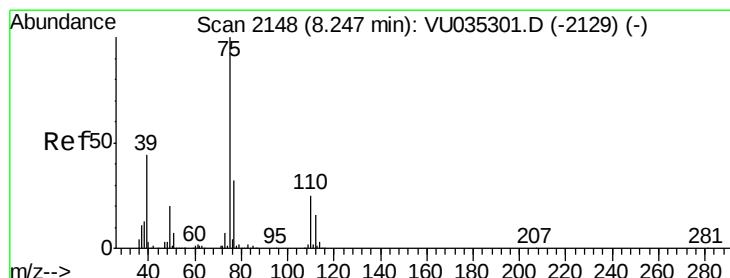
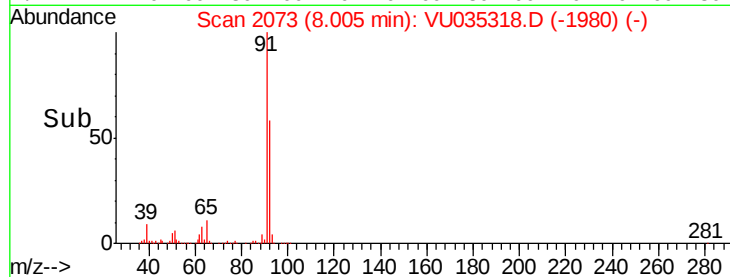
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.170 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035318.D

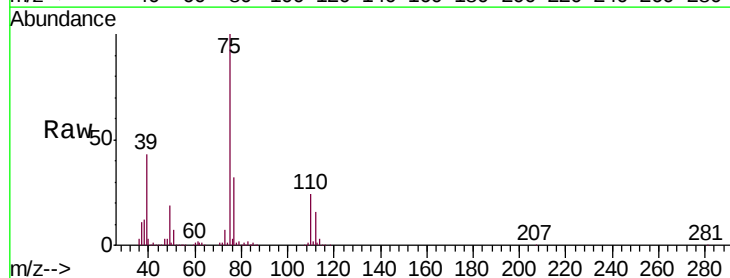
Acq: 19 Oct 2019 15:47

Tgt Ion: 75 Resp: 398967

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU035318.D (-2055) (-)

Ion 77.00 (76.70 to 77.70): VU035318.D (-2055) (-)

8.25

250000

200000

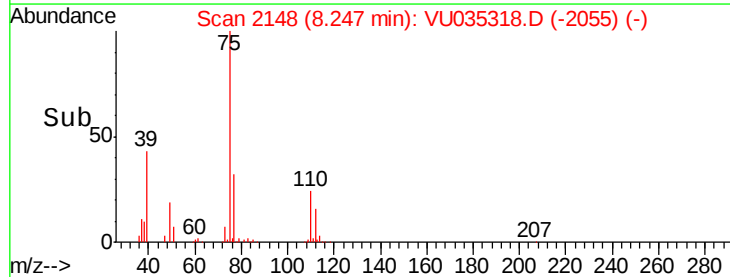
150000

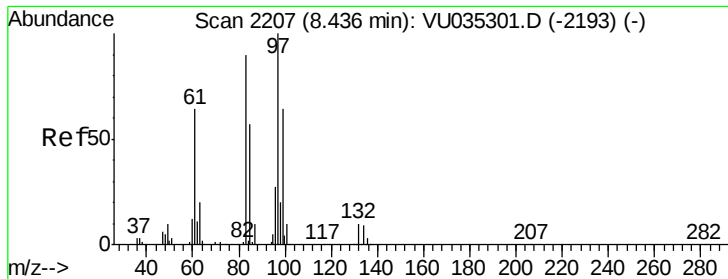
100000

50000

0

Time-->

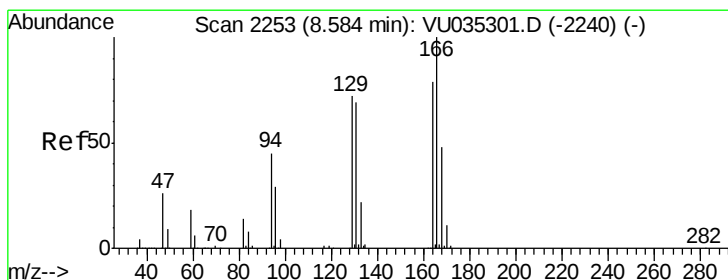
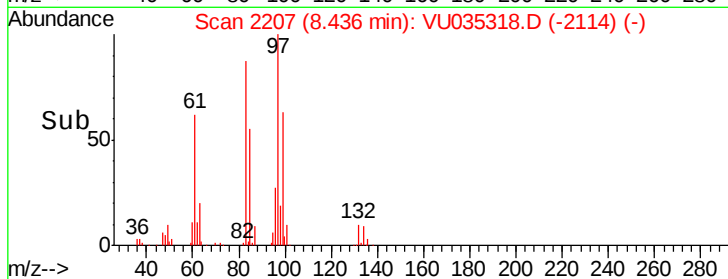
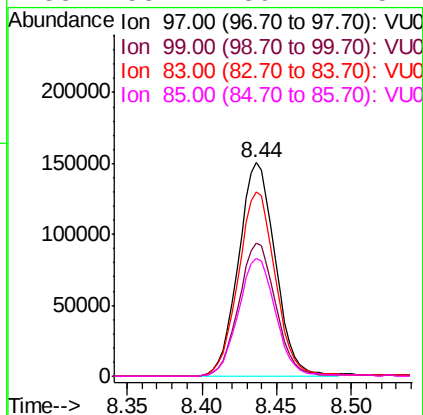
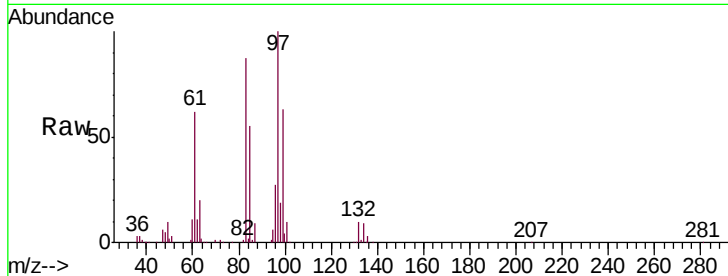




#45
 1,1,2-Trichloroethane
 Concen: 49.836 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

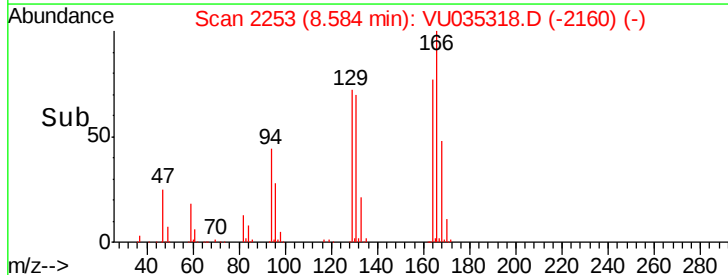
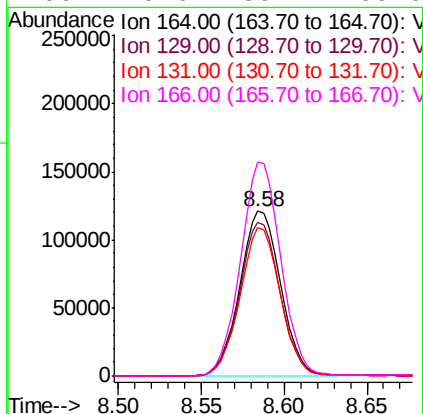
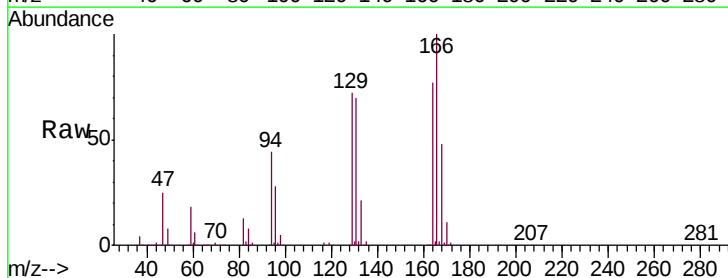
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

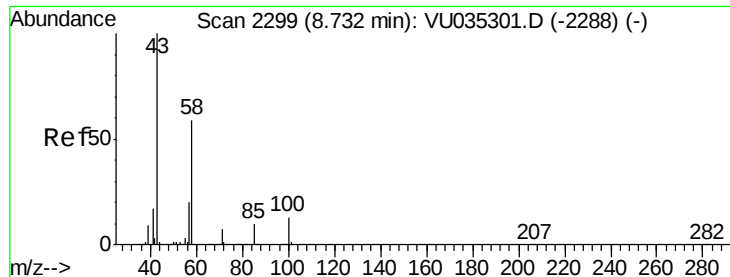
Tgt Ion:	97	Resp:	258702
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.5	82.7
83	86.5	63.0	117.0
85	55.2	39.7	73.7



#46
 Tetrachloroethene
 Concen: 48.967 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

Tgt Ion:	164	Resp:	207289
Ion	Ratio	Lower	Upper
164	100		
129	93.3	64.0	119.0
131	90.2	61.8	114.8
166	129.6	89.2	165.6

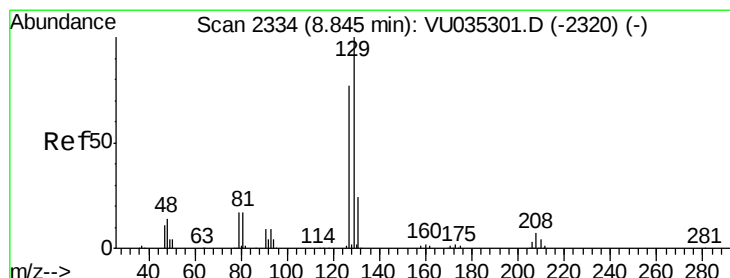
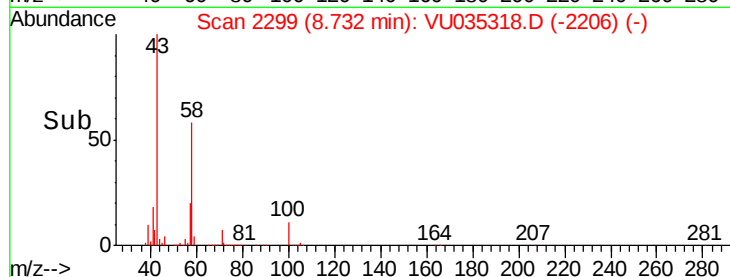
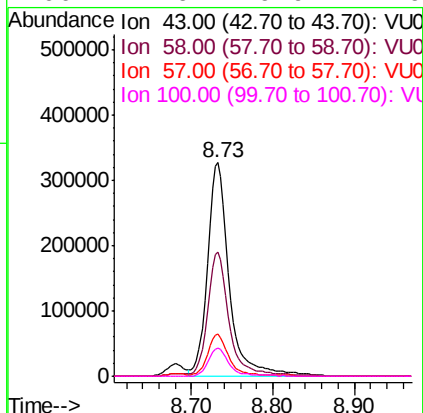
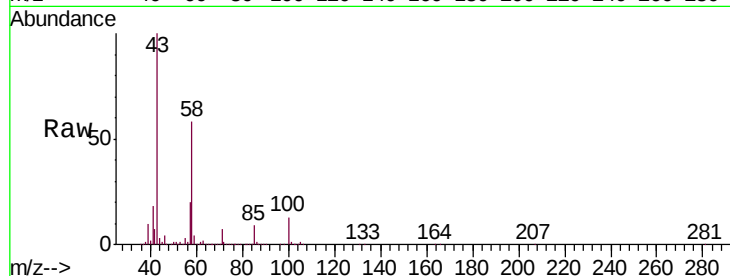




#48
2-Hexanone
Concen: 92.676 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

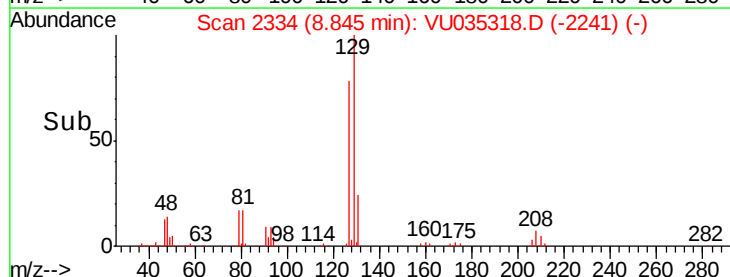
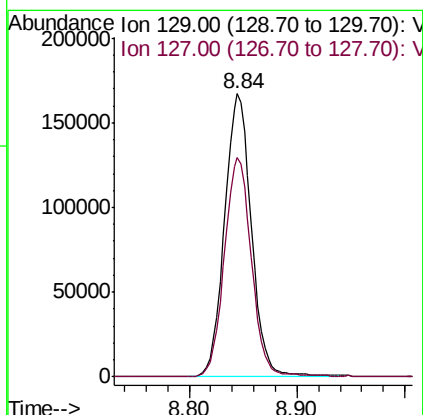
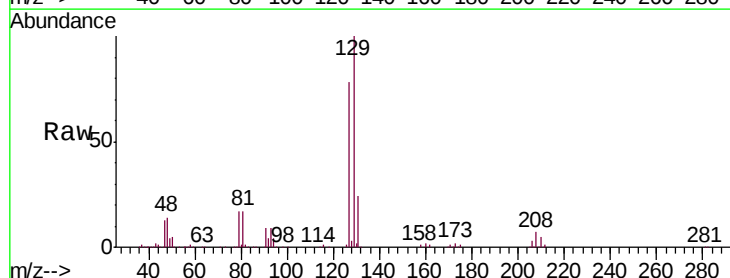
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

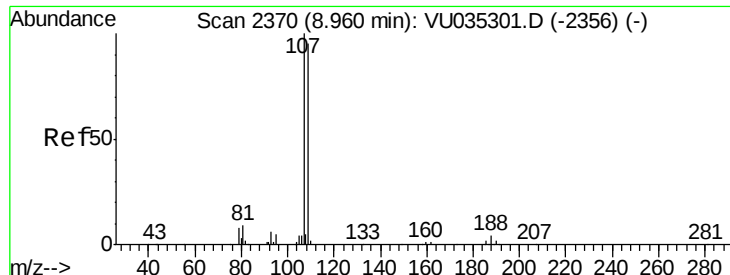
Tgt Ion:	43	Resp:	613357
Ion	Ratio	Lower	Upper
43	100		
58	55.0	42.7	64.1
57	18.7	14.8	22.2
100	12.6	9.9	14.9



#49
Dibromochloromethane
Concen: 50.202 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

Tgt Ion:	129	Resp:	290827
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.0	100.4

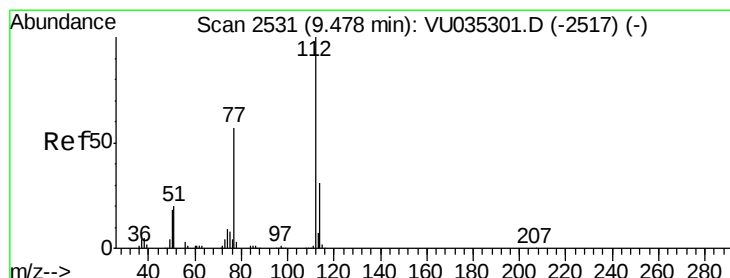
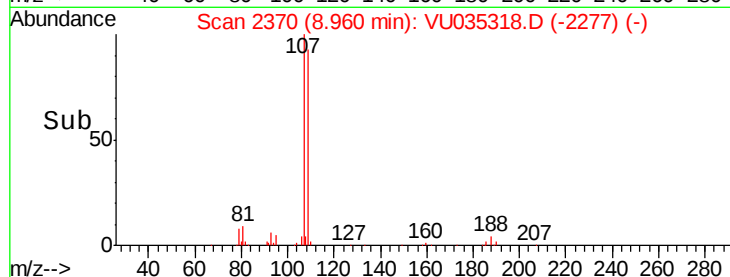
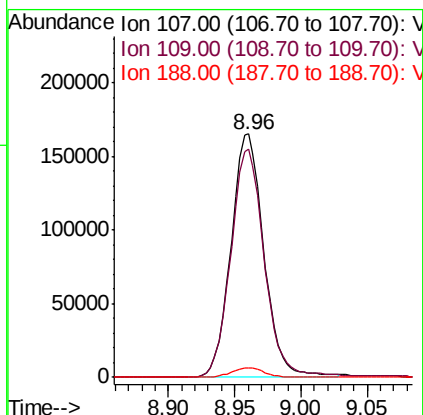
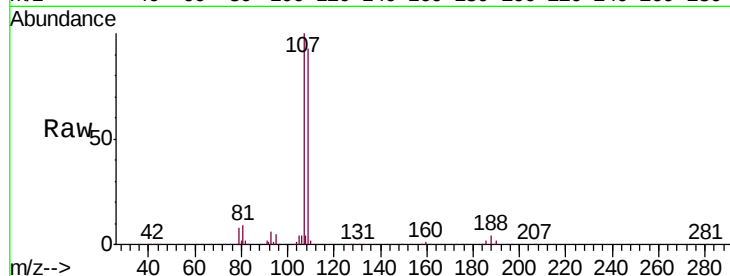




#50
1,2-Dibromoethane
Concen: 49.694 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

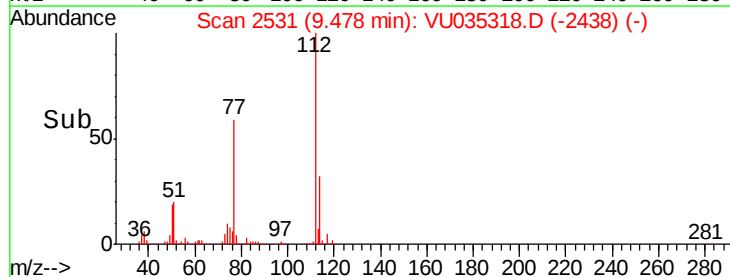
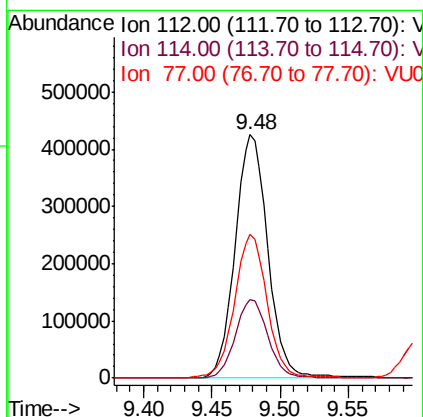
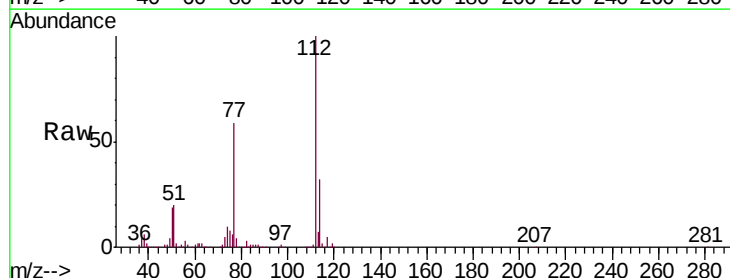
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

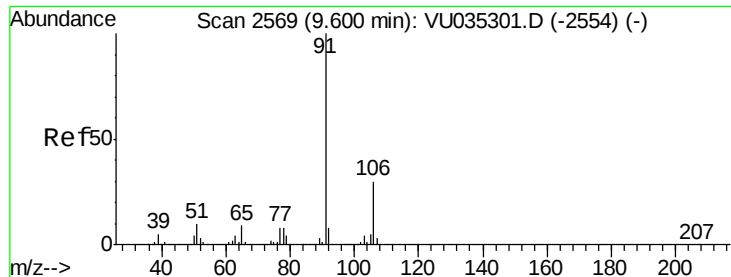
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	66.8	124.2
188	4.0	3.4	5.2



#51
Chlorobenzene
Concen: 48.725 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035318.D
Acq: 19 Oct 2019 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.9	40.7
77	58.9	46.2	69.2





#52

Ethylbenzene

Concen: 49.600 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

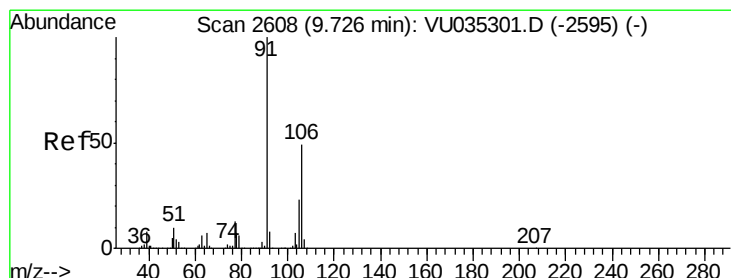
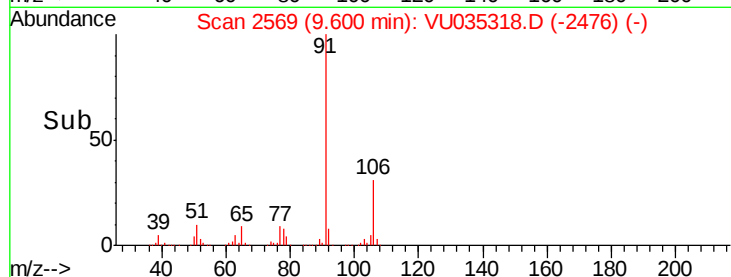
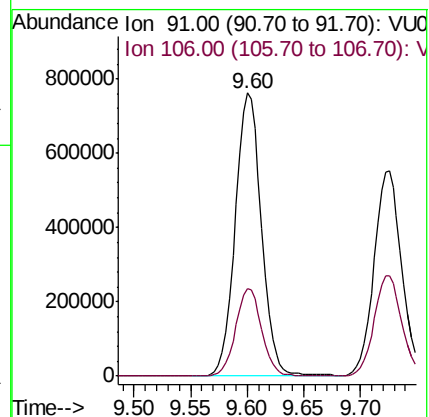
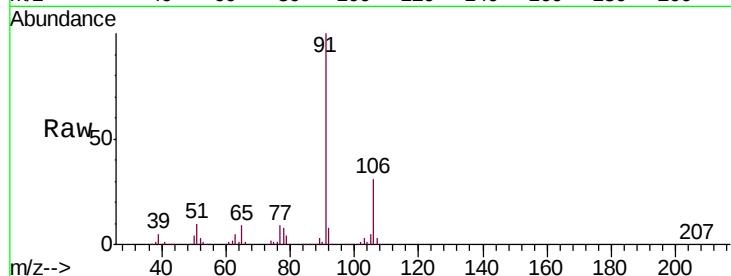
VSTD05055

Tgt Ion: 91 Resp: 1230690

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.6



#53

m,p-Xylene

Concen: 50.804 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035318.D

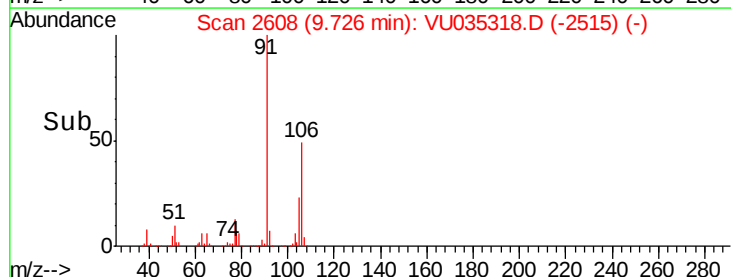
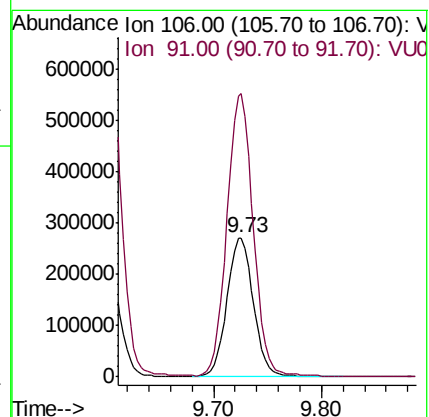
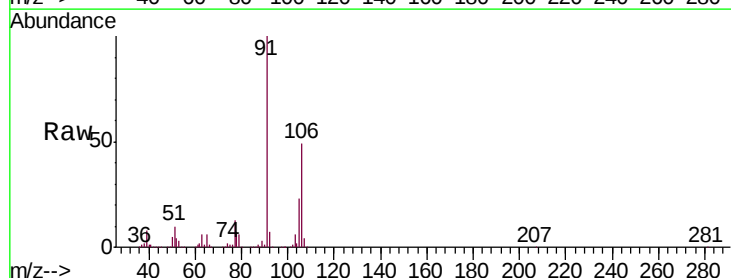
Acq: 19 Oct 2019 15:47

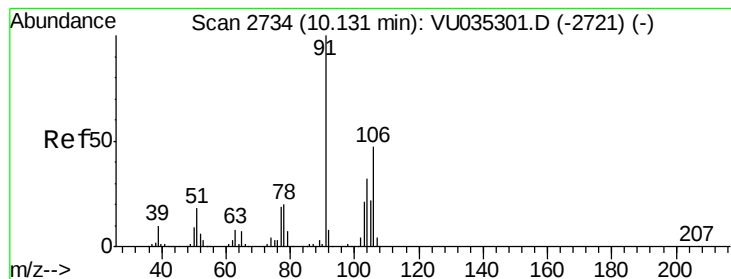
Tgt Ion: 106 Resp: 464669

Ion Ratio Lower Upper

106 100

91 203.5 141.5 262.9





#54

o-xylene

Concen: 49.799 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

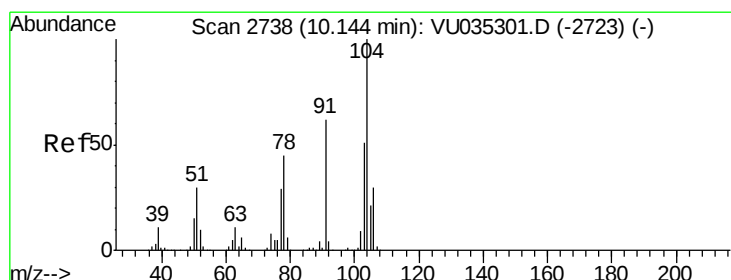
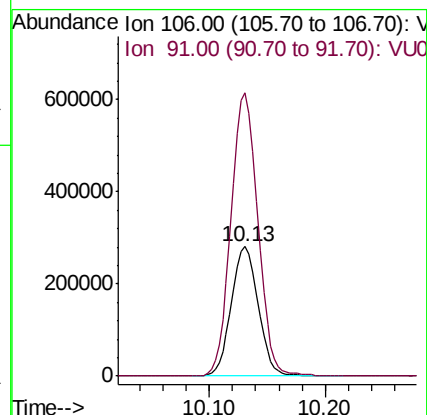
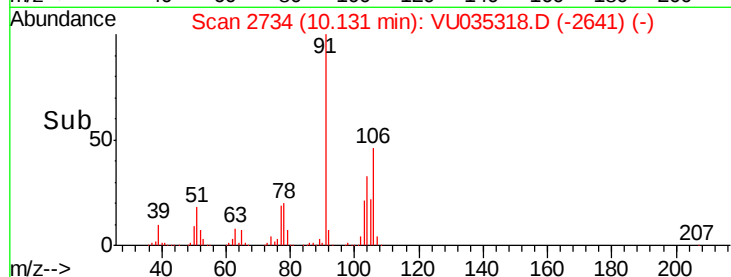
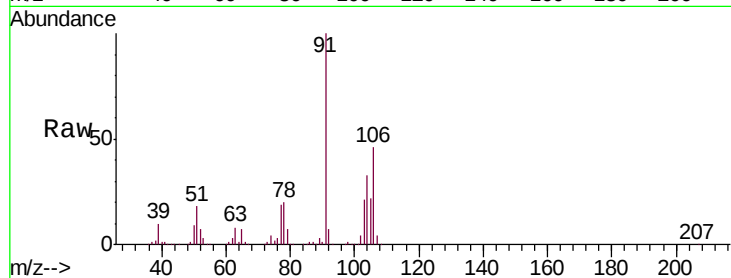
VSTD05055

Tgt Ion:106 Resp: 451787

Ion Ratio Lower Upper

106 100

91 218.4 150.6 279.8



#55

Styrene

Concen: 51.870 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035318.D

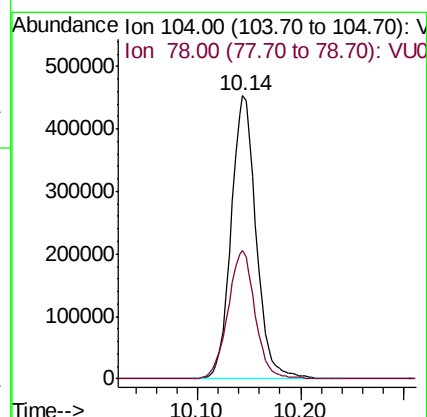
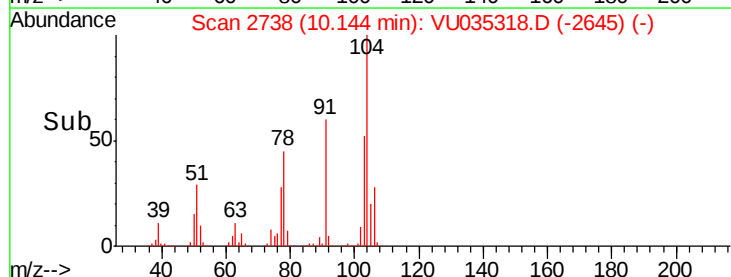
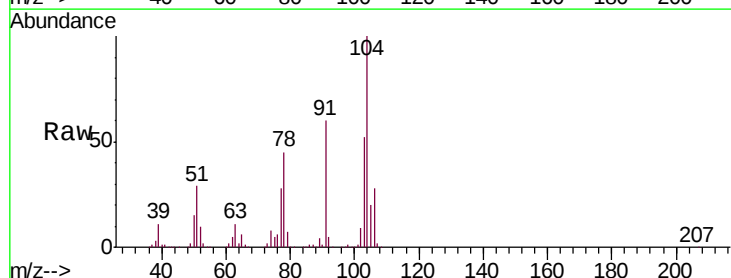
Acq: 19 Oct 2019 15:47

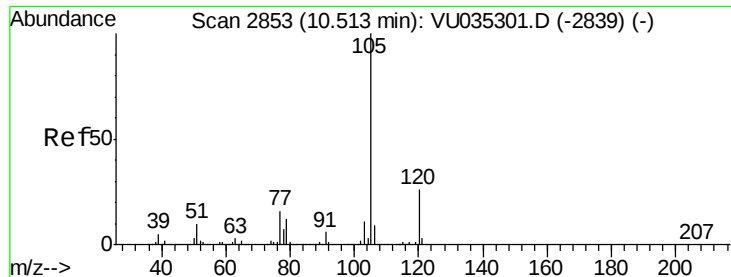
Tgt Ion:104 Resp: 766349

Ion Ratio Lower Upper

104 100

78 45.5 31.5 58.5





#56

Isopropylbenzene

Concen: 49.454 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

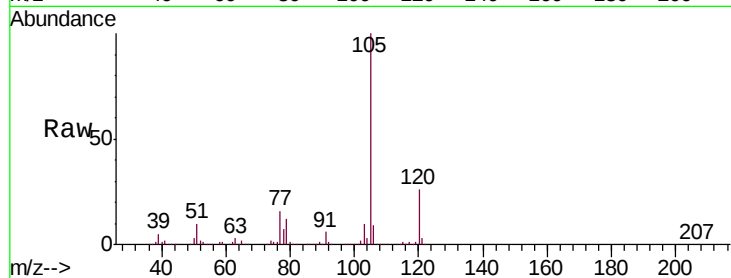
Tgt Ion:105 Resp: 1161575

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

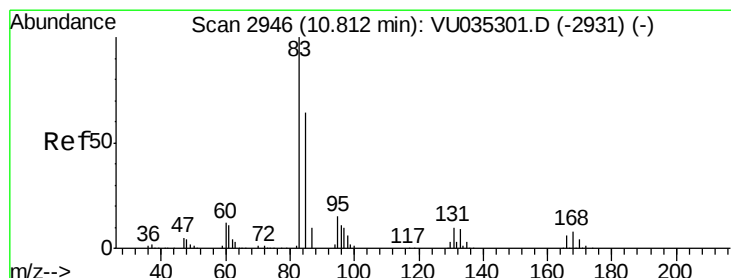
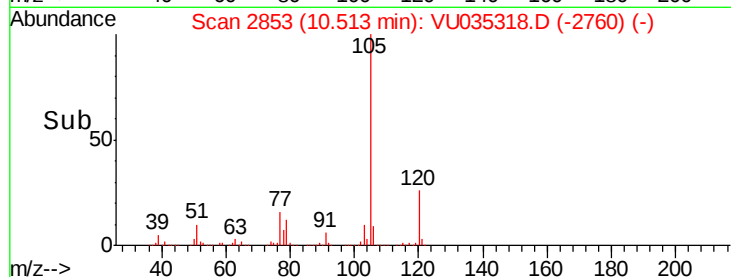
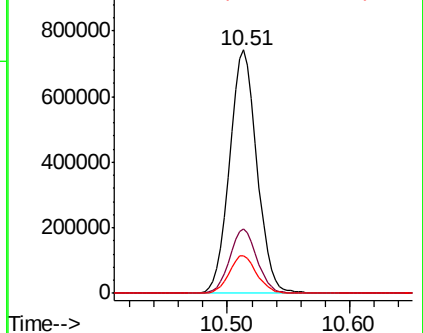
77 15.6 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.025 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

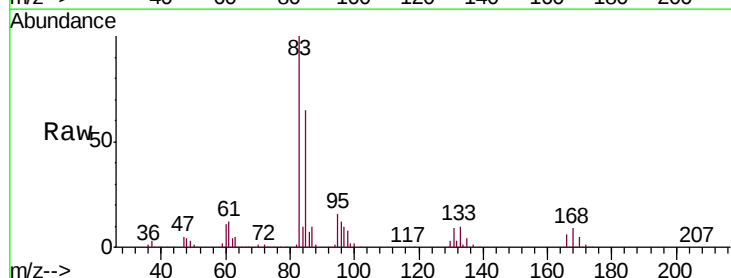
Tgt Ion: 83 Resp: 444878

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.5

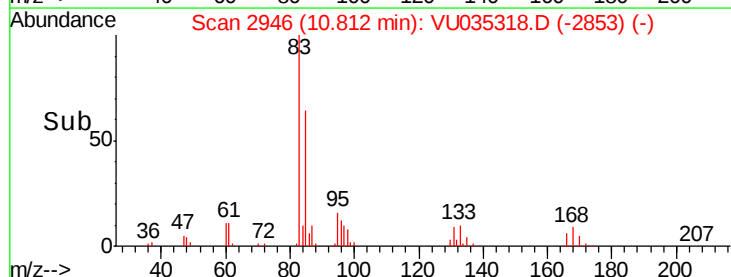
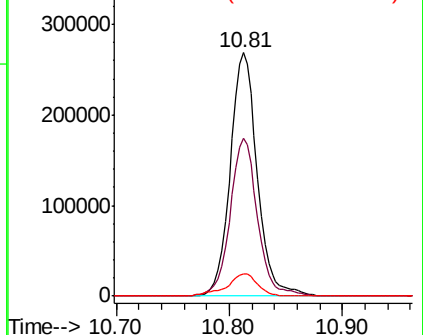
131 9.3 7.8 11.6

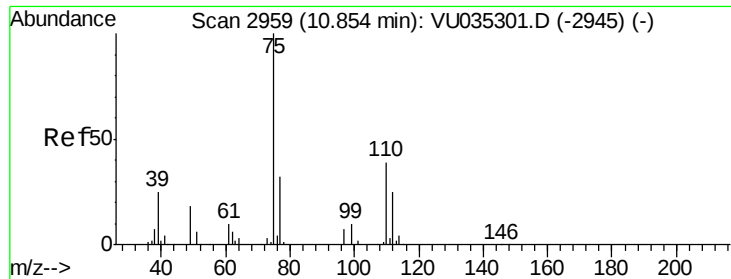


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

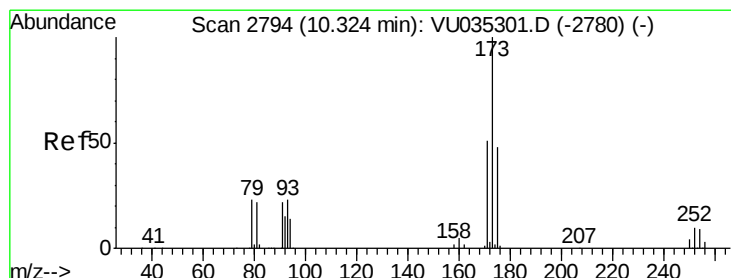
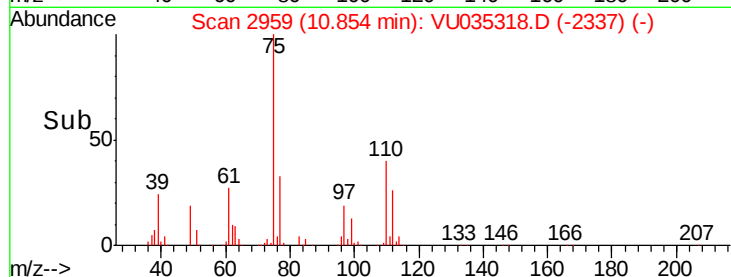
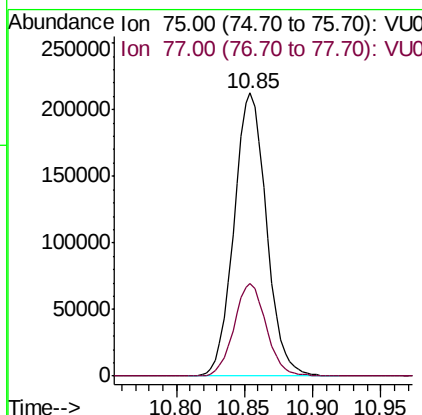
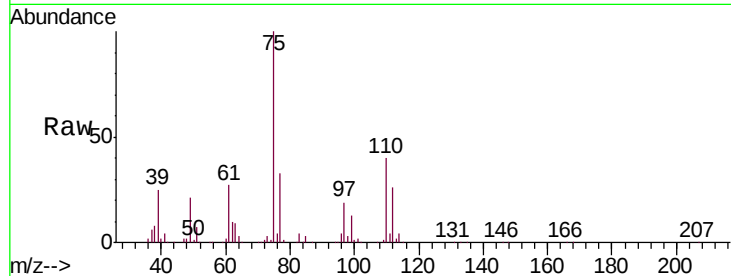




#59
 1,2,3-Trichloropropane
 Concen: 48.919 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

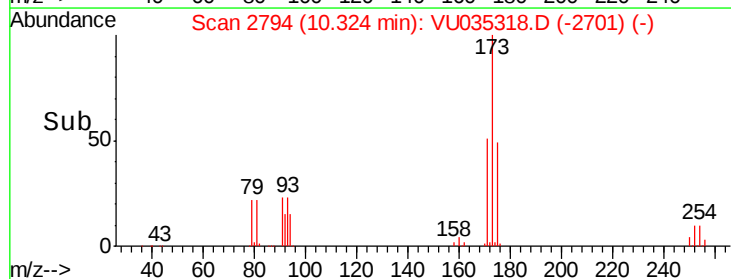
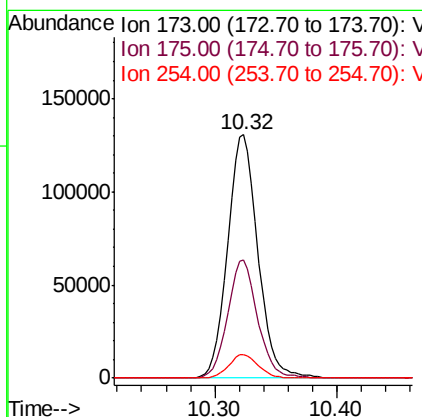
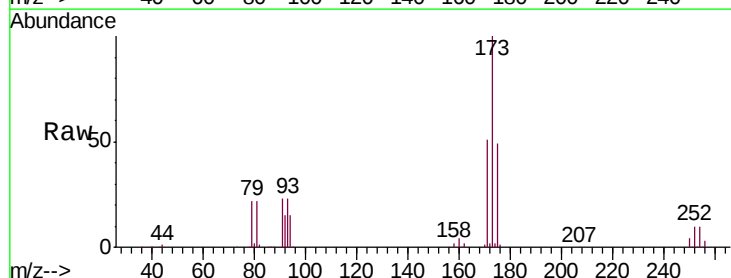
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

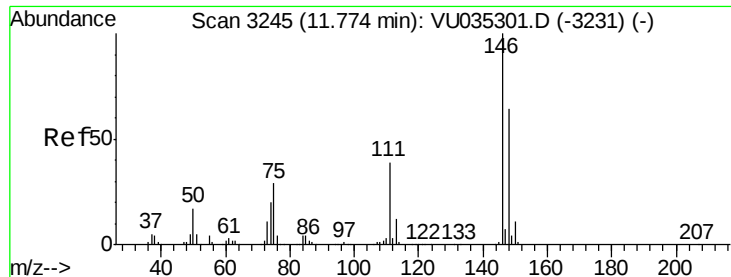
Tgt Ion: 75 Resp: 350821
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.2



#61
 Bromoform
 Concen: 47.439 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: VU035318.D
 Acq: 19 Oct 2019 15:47

Tgt Ion: 173 Resp: 226632
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.9 58.3
 254 9.6 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 47.490 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

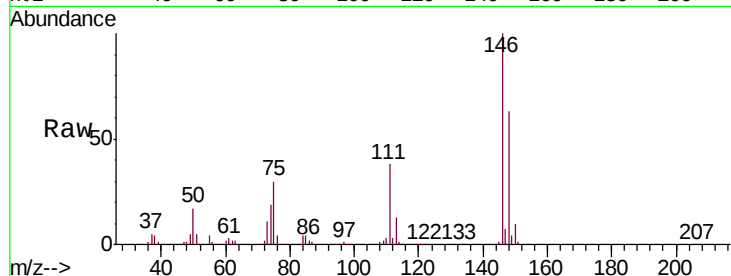
Tgt Ion:146 Resp: 515163

Ion Ratio Lower Upper

146 100

111 38.4 27.3 50.7

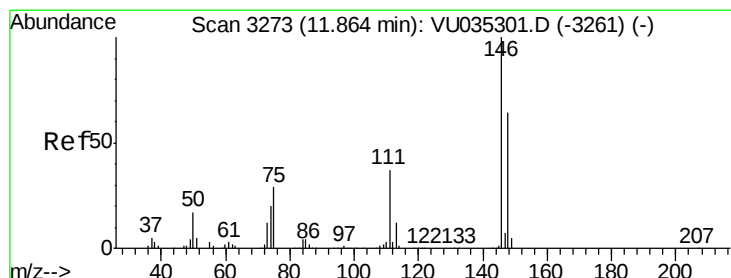
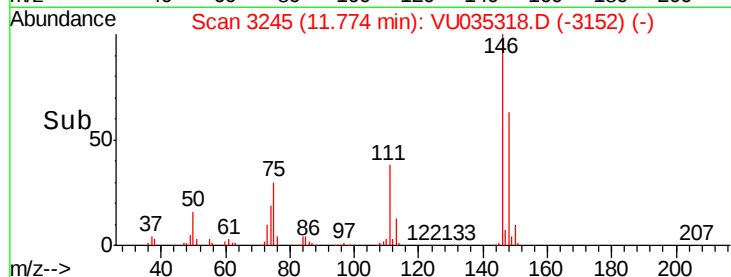
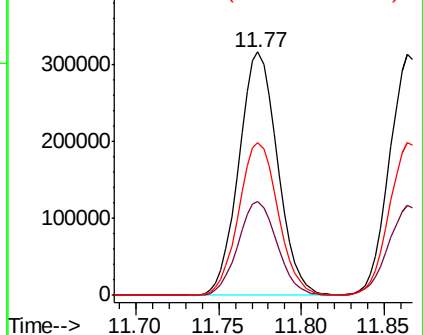
148 63.0 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.189 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

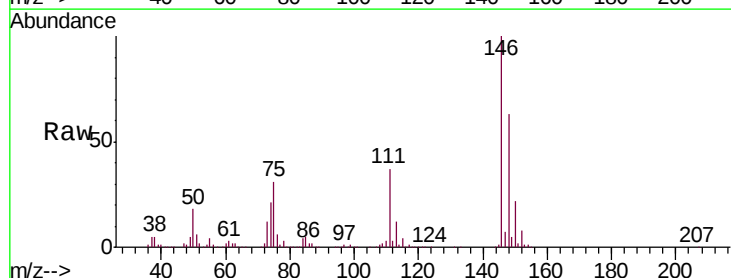
Tgt Ion:146 Resp: 512607

Ion Ratio Lower Upper

146 100

111 37.3 26.2 48.8

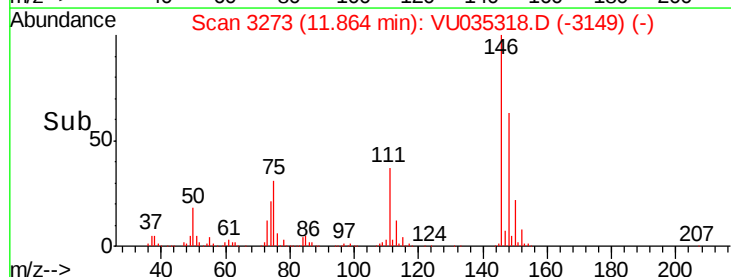
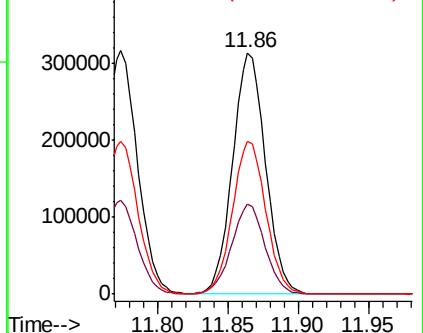
148 63.4 44.5 82.7

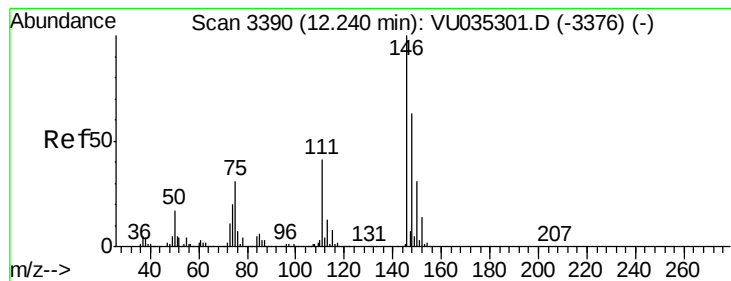


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.348 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

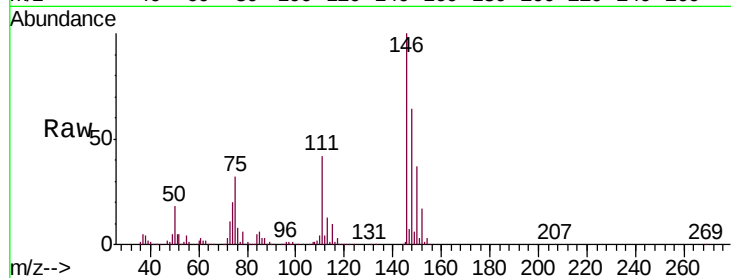
Tgt Ion: 146 Resp: 512707

Ion Ratio Lower Upper

146 100

111 41.5 32.8 49.2

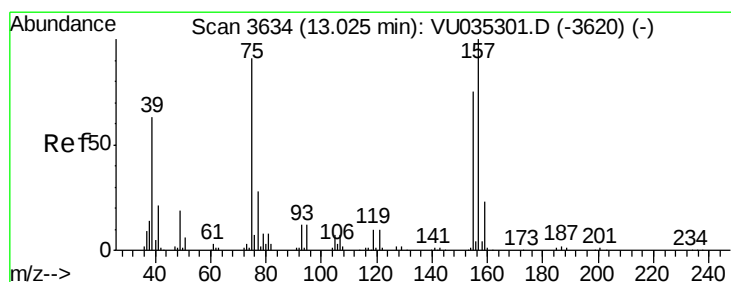
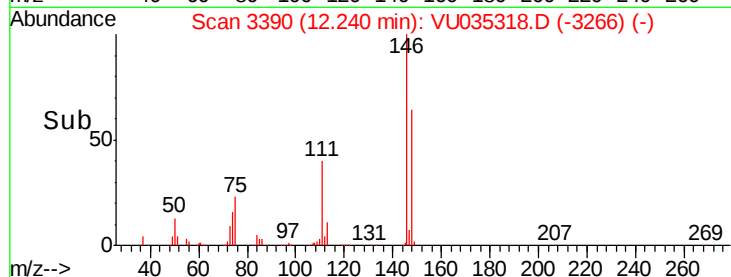
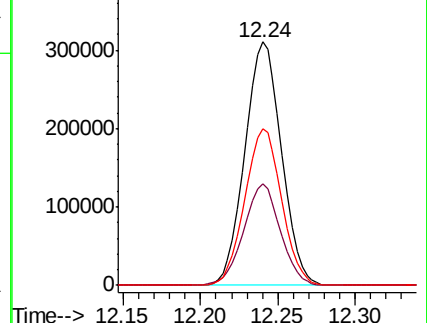
148 64.3 50.2 75.4



Abundance Ion 146.00 (145.70 to 146.70): 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: 49.863 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

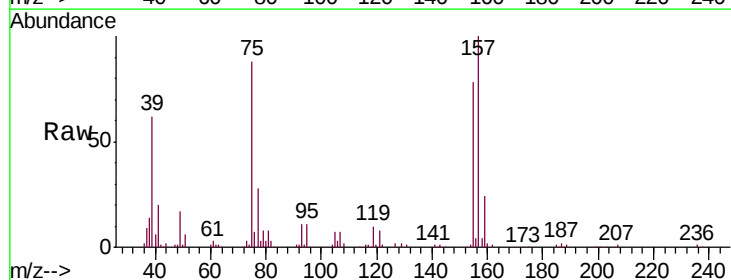
Tgt Ion: 75 Resp: 85344

Ion Ratio Lower Upper

75 100

155 88.9 66.2 99.2

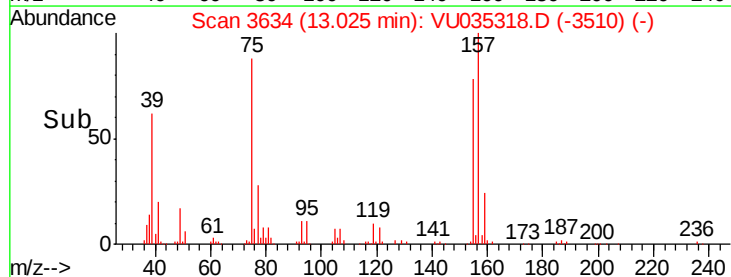
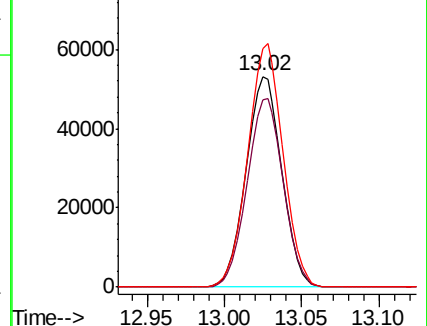
157 113.5 88.2 132.2

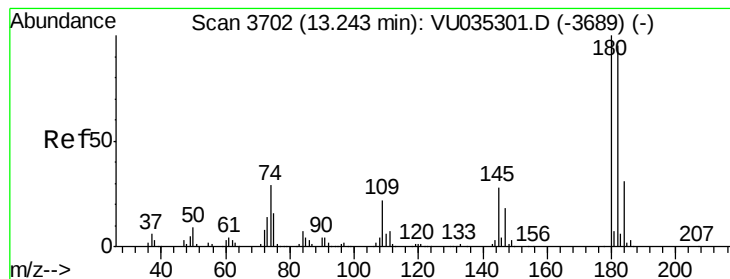


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 48.720 ug/L

RT: 13.24 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

Tgt Ion:180 Resp: 295743

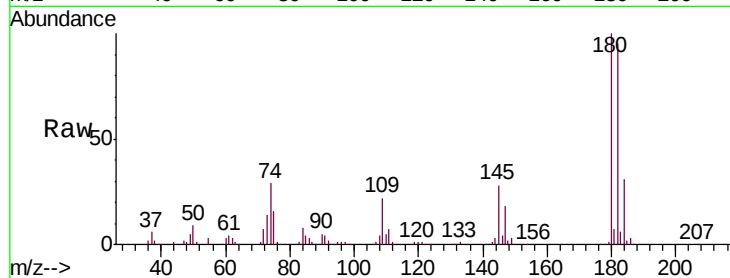
Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

184 31.0 24.5 36.7

145 28.2 22.2 33.4

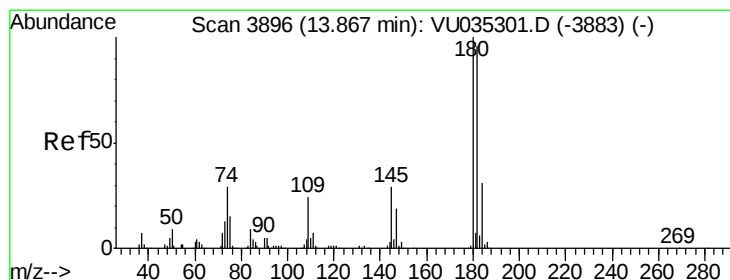
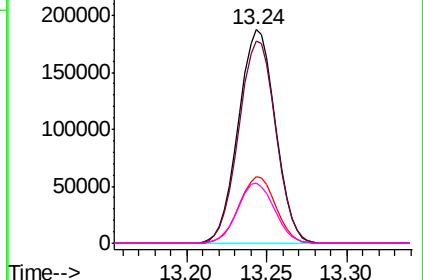
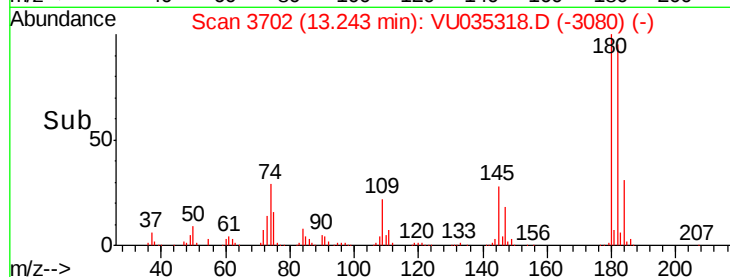


Abundance Ion 180.00 (179.70 to 180.70): V

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: 51.178 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

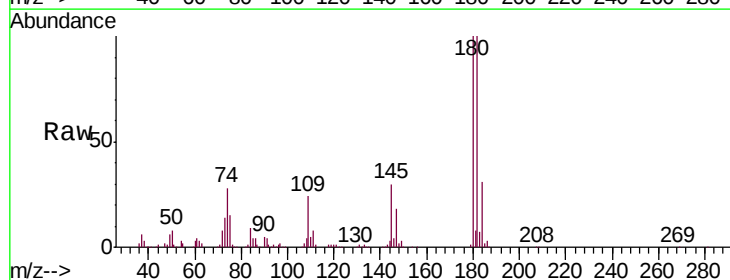
Tgt Ion:180 Resp: 204760

Ion Ratio Lower Upper

180 100

182 97.2 76.2 114.2

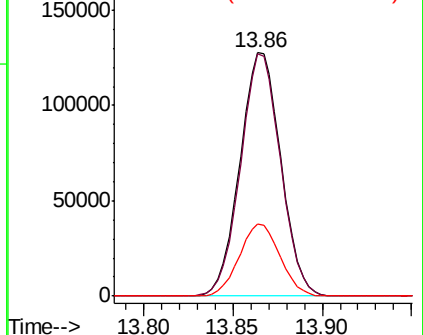
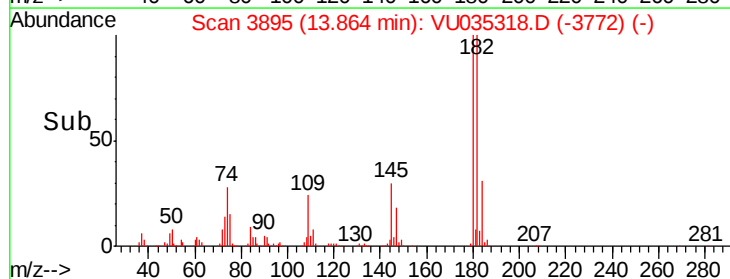
145 29.4 22.8 34.2

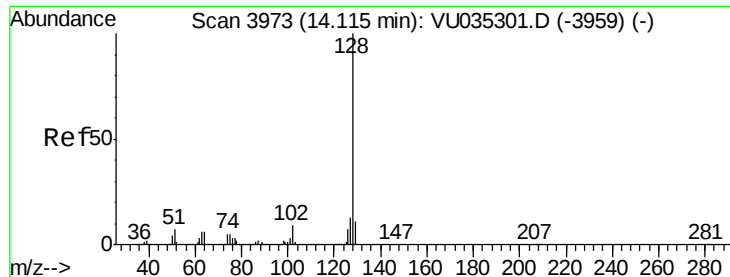


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.256 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

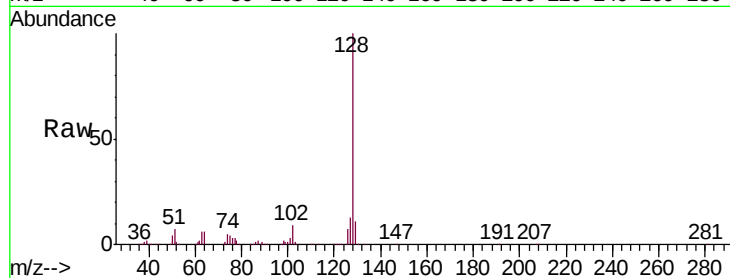
Tgt Ion:128 Resp: 564494

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

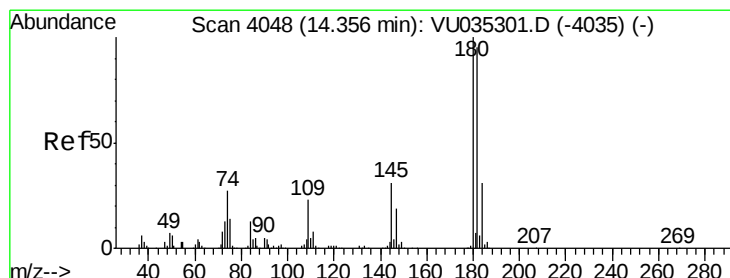
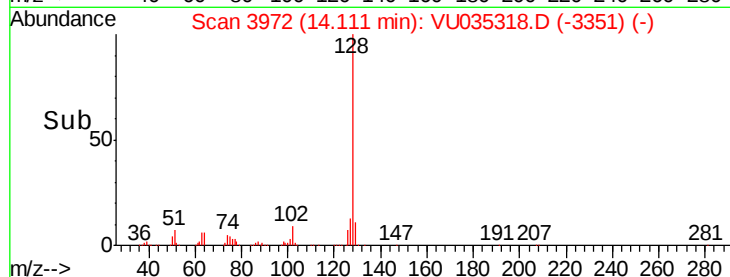
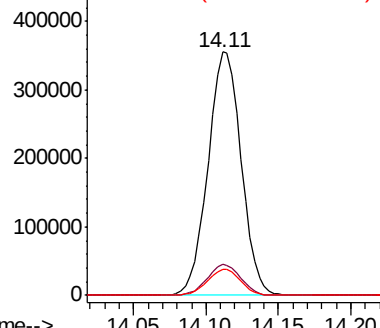
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.810 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035318.D

Acq: 19 Oct 2019 15:47

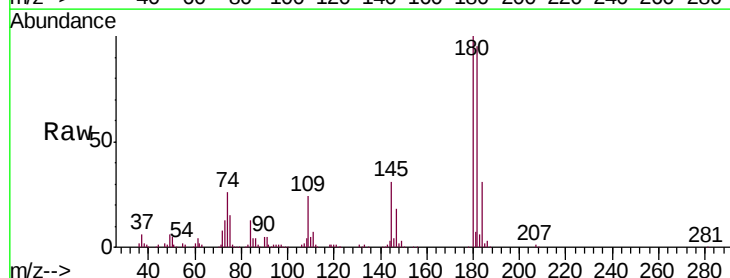
Tgt Ion:180 Resp: 214437

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 30.5 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

