

Data File : VU035600.D
Acq On : 04 Nov 2019 10:32
Operator : JC/SP
Sample : VSTD0.502
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Quant Time: Nov 05 01:20:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 01:18:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	238395	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	259663	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	118006	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11758	0.39	ug/L	0.00
7) Chloroethane-d5	1.93	69	9340	0.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	20332	0.41	ug/L	0.00
20) 2-Butanone-d5	4.72	46	24154	3.99	ug/L	0.00
24) Chloroform-d	5.12	84	18213	0.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	10182	0.43	ug/L	0.00
32) Benzene-d6	5.77	84	37084	0.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	12162	0.42	ug/L	0.00
41) Toluene-d8	7.93	98	34277	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	4506	0.40	ug/L	0.00
46) 2-Hexanone-d5	8.69	63	14824	3.40	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	10086	0.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	12755	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	12217	0.391 ug/L	100
3) Chloromethane	1.53	50	15399	0.426 ug/L	97
5) Vinyl chloride	1.62	62	14708	0.407 ug/L	98
6) Bromomethane	1.88	94	8653	0.453 ug/L	92
8) Chloroethane	1.95	64	8319	0.390 ug/L	92
9) Trichlorofluoromethane	2.16	101	18127	0.427 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	11319	0.471 ug/L	94
12) 1,1-Dichloroethene	2.61	96	10489	0.467 ug/L	92
13) Acetone	2.69	43	20858	4.550 ug/L	98
14) Carbon disulfide	2.82	76	34480	0.439 ug/L #	93
15) Methyl Acetate	3.00	43	5095	0.482 ug/L	96
16) Methylene chloride	3.09	84	14570	0.505 ug/L	95
17) Methyl tert-butyl Ether	3.42	73	23268	0.429 ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	10634	0.438 ug/L	98
19) 1,1-Dichloroethane	3.92	63	19622	0.414 ug/L	96
21) 2-Butanone	4.80	43	27629	4.126 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	11763	0.451 ug/L	96
23) Bromochloromethane	5.02	128	5715	0.470 ug/L	87
25) Chloroform	5.14	83	24217	0.483 ug/L	97
27) 1,2-Dichloroethane	5.84	62	11773	0.399 ug/L #	93
29) 1,1,1-Trichloroethane	5.36	97	16380	0.426 ug/L	98
30) Cyclohexane	5.43	56	15307	0.393 ug/L	98
31) Carbon tetrachloride	5.57	117	14543	0.424 ug/L	98
33) Benzene	5.82	78	44048	0.434 ug/L	100
34) Trichloroethene	6.58	95	11272	0.448 ug/L	93
35) Methylcyclohexane	6.80	83	15574	0.400 ug/L	95
37) 1,2-Dichloropropane	6.84	63	12074	0.450 ug/L #	97
38) Bromodichloromethane	7.15	83	14205	0.428 ug/L #	99
39) cis-1,3-Dichloropropene	7.65	75	15575	0.416 ug/L	93
40) 4-Methyl-2-pentanone	7.85	43	62968	4.021 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	42533	0.409	ug/L	97
44) trans-1,3-Dichloropropene	8.25	75	11462	0.386	ug/L #	82
45) 1,1,2-Trichloroethane	8.44	97	8273	0.440	ug/L	91
47) Tetrachloroethene	8.58	164	9585	0.456	ug/L	97
48) 2-Hexanone	8.74	43	40955	3.886	ug/L	97
49) Dibromochloromethane	8.85	129	10318	0.464	ug/L	99
50) 1,2-Dibromoethane	8.96	107	7512	0.430	ug/L	89
51) Chlorobenzene	9.48	112	29740	0.447	ug/L	98
52) Ethylbenzene	9.60	91	43856	0.404	ug/L	97
53) m,p-Xylene	9.72	106	15063	0.378	ug/L	91
54) o-Xylene	10.13	106	14766	0.379	ug/L	94
55) Styrene	10.15	104	22571	0.355	ug/L	100
56) Isopropylbenzene	10.51	105	39735	0.390	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.81	83	10861	0.444	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	7843	0.452	ug/L	99
61) Bromoform	10.32	173	6163	0.534	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	21015	0.520	ug/L	94
63) 1,4-Dichlorobenzene	11.86	146	19310	0.481	ug/L	94
65) 1,2-Dichlorobenzene	12.24	146	19102	0.491	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	1233	0.482	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	10669	0.426	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	6142	0.439	ug/L	91
69) Naphthalene	14.11	128	7436	0.393	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.36	180	6252	0.452	ug/L	92

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

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Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

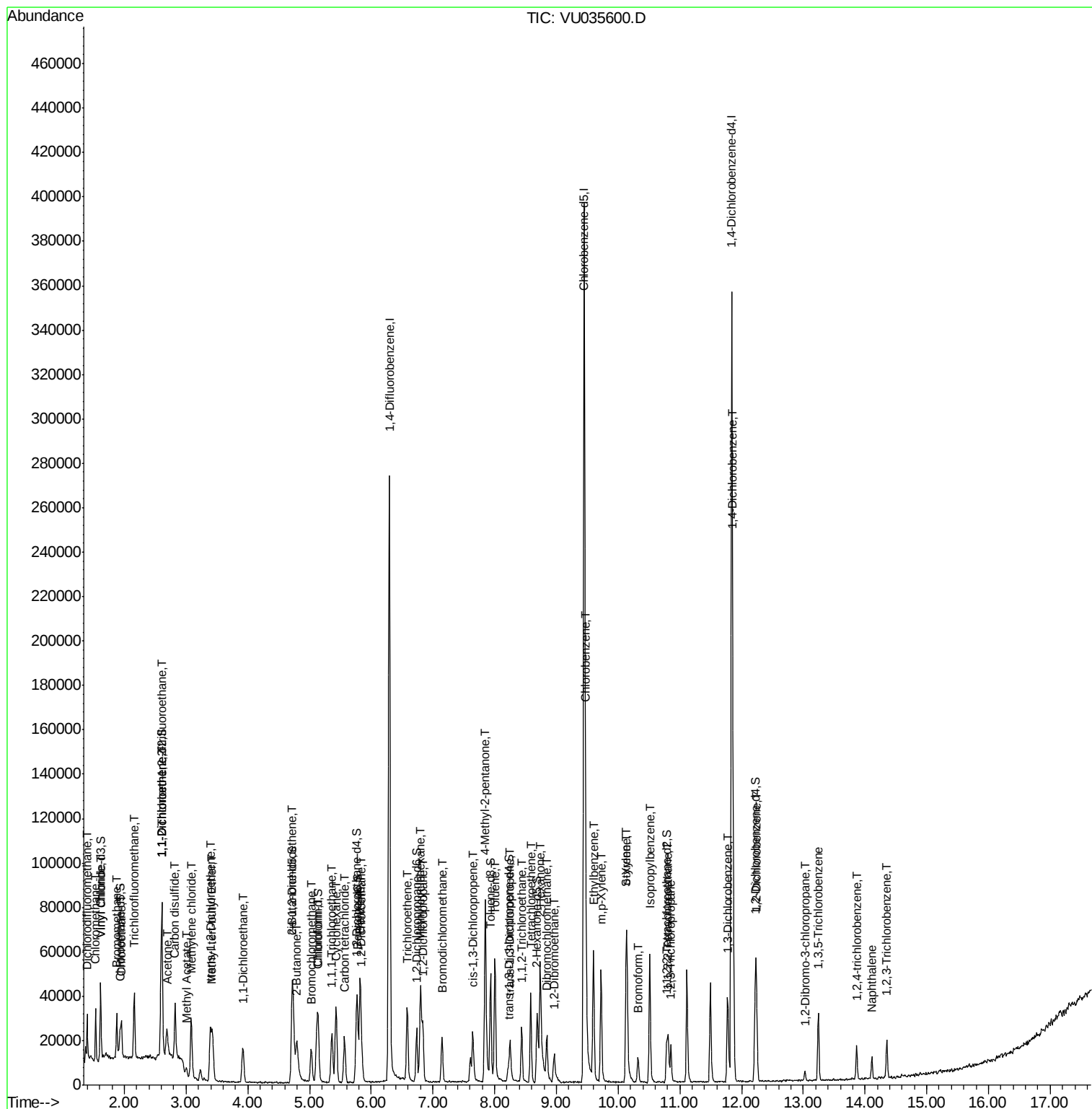
Quant Time: Nov 05 01:20:37 2019

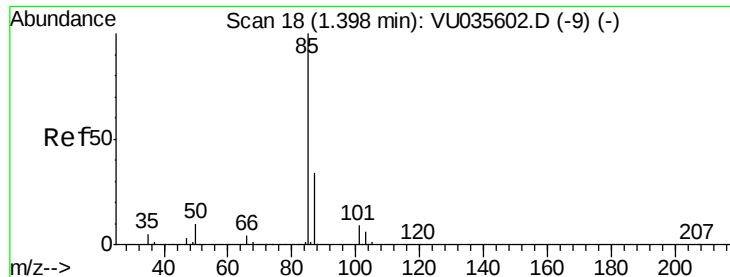
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR110419WMA.M

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#2

Dichlorodifluoromethane

Concen: 0.391 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

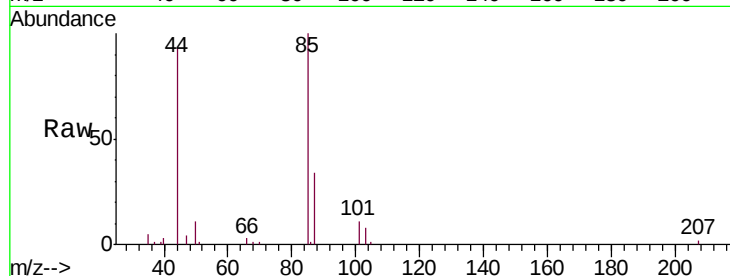
VSTD0.502

Tgt Ion: 85 Resp: 12217

Ion Ratio Lower Upper

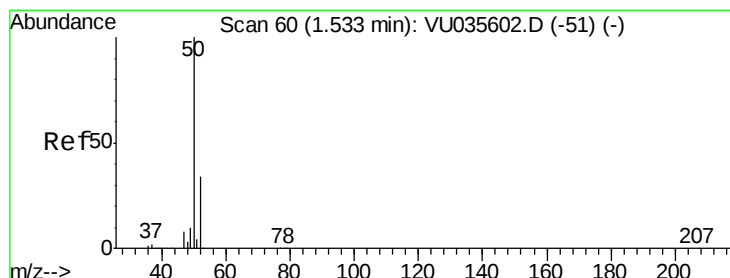
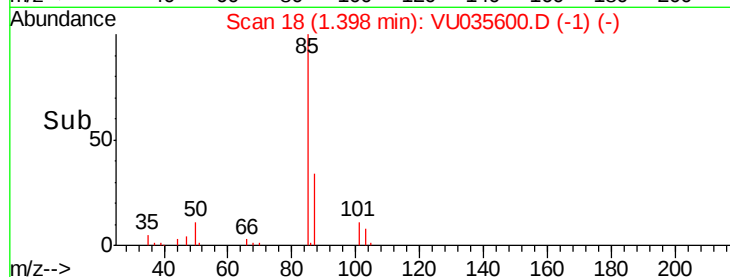
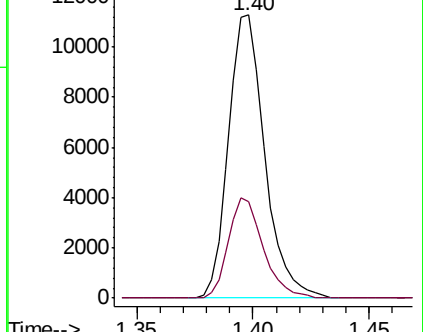
85 100

87 33.7 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU035600.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035600.D (-9) (-)



#3

Chloromethane

Concen: 0.426 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU035600.D

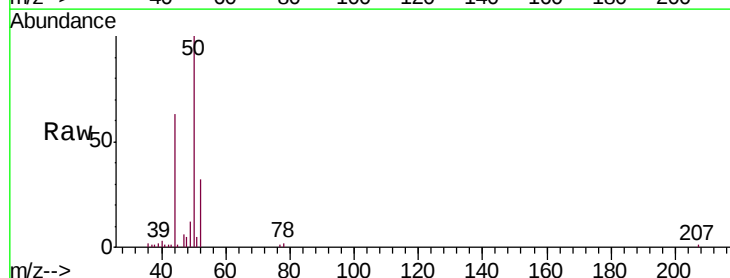
Acq: 04 Nov 2019 10:32

Tgt Ion: 50 Resp: 15399

Ion Ratio Lower Upper

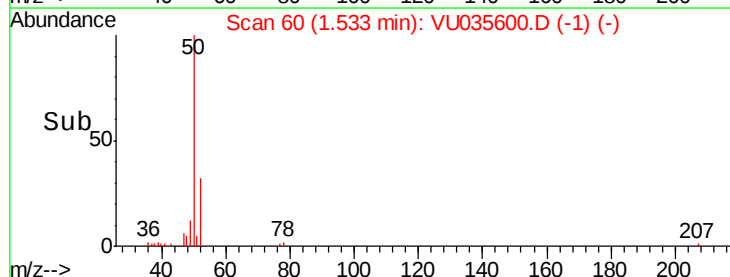
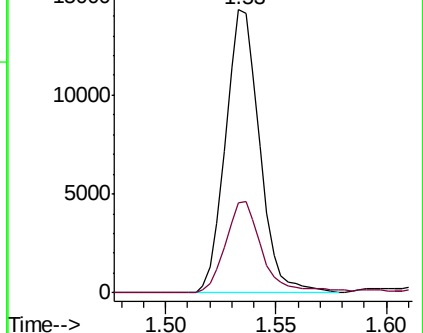
50 100

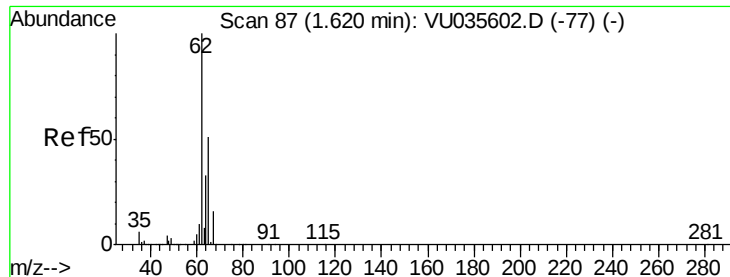
52 32.0 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU035600.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035600.D (-51) (-)





#5

Vinyl chloride

Concen: 0.407 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

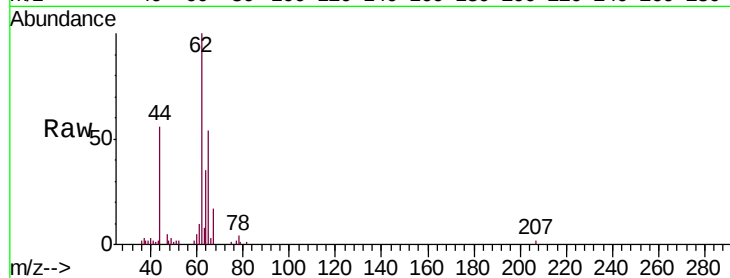
VSTD0.502

Tgt Ion: 62 Resp: 14708

Ion Ratio Lower Upper

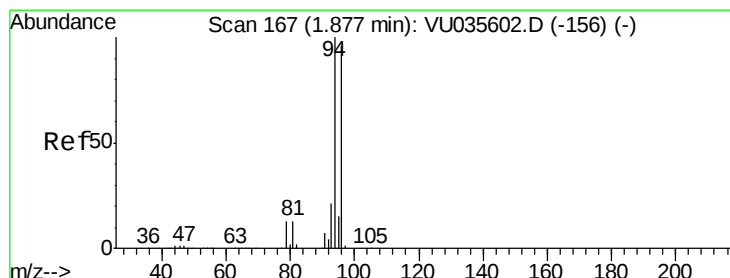
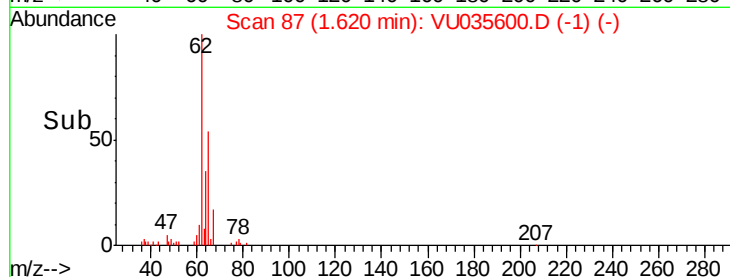
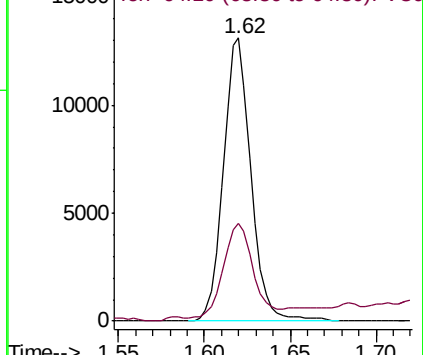
62 100

64 34.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU035600.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035600.D (-1) (-)



#6

Bromomethane

Concen: 0.453 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035600.D

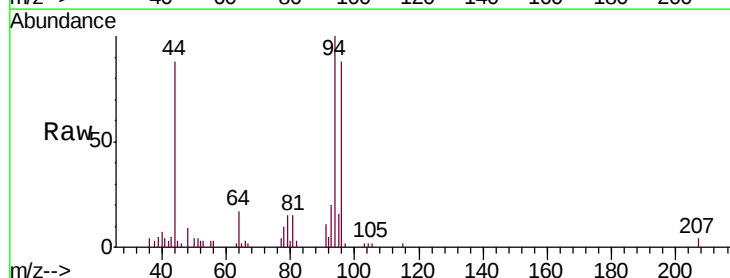
Acq: 04 Nov 2019 10:32

Tgt Ion: 94 Resp: 8653

Ion Ratio Lower Upper

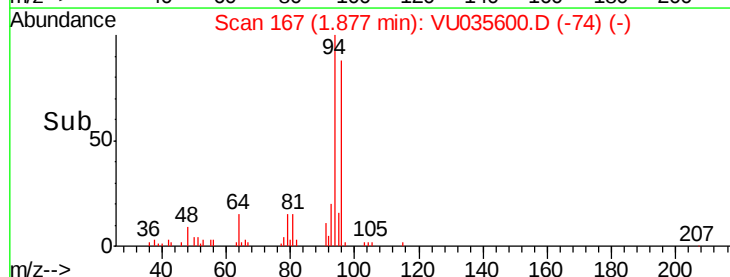
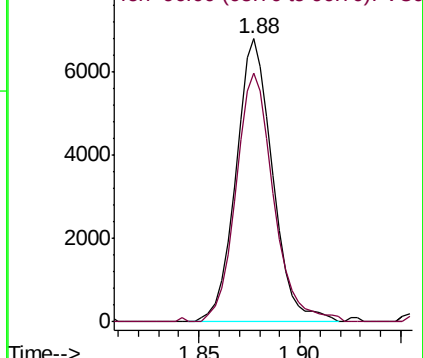
94 100

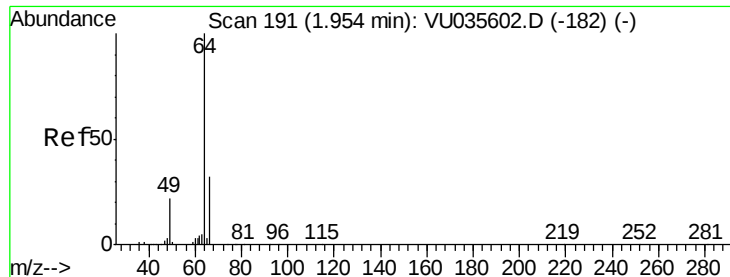
96 87.8 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU035600.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU035600.D (-74) (-)

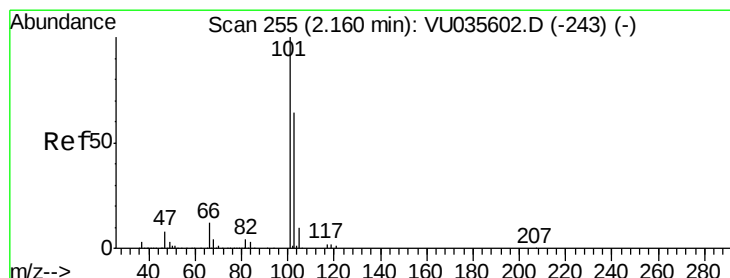
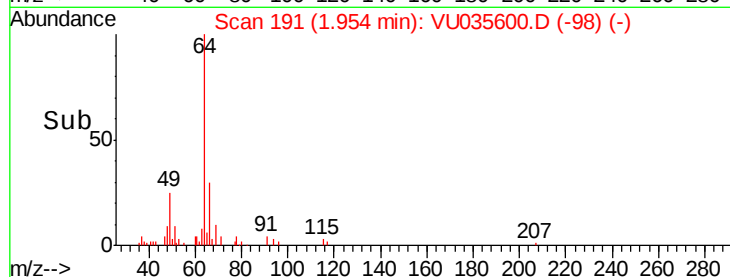
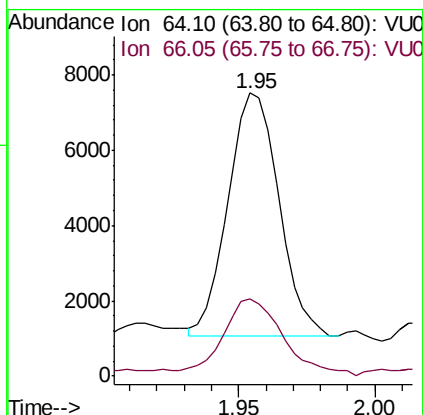
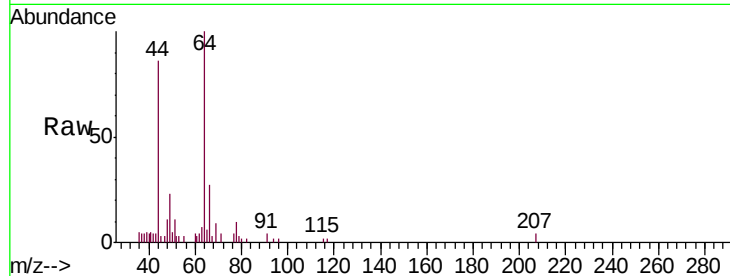




#8
Chloroethane
Concen: 0.390 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

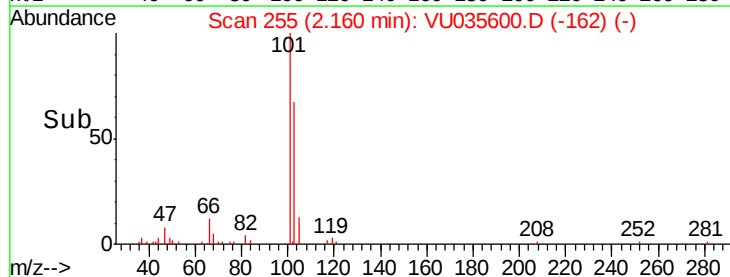
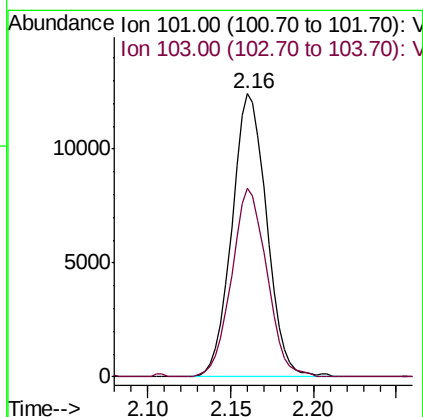
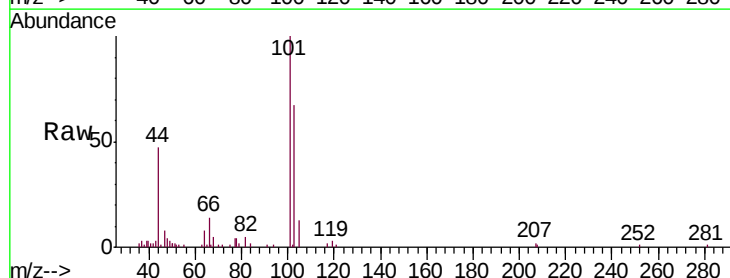
Instrument :
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VSTD0.502

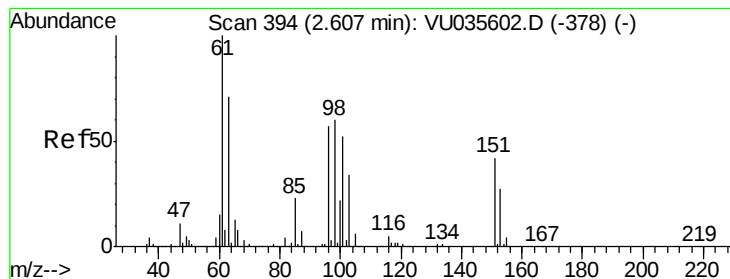
Tgt Ion: 64 Resp: 8319
Ion Ratio Lower Upper
64 100
66 27.5 22.5 41.7



#9
Trichlorofluoromethane
Concen: 0.427 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

Tgt Ion: 101 Resp: 18127
Ion Ratio Lower Upper
101 100
103 67.6 51.8 77.6





#10

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

Concen: 0.471 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

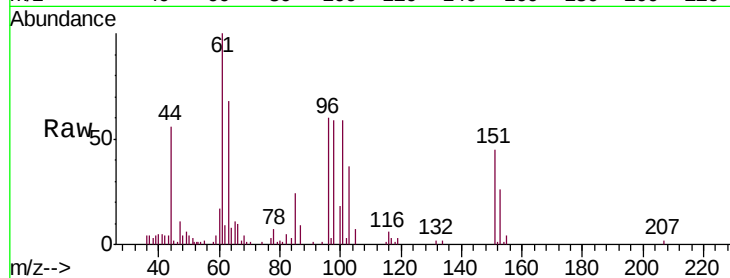
Tgt Ion:101 Resp: 11319

Ion Ratio Lower Upper

101 100

85 41.0 35.0 52.6

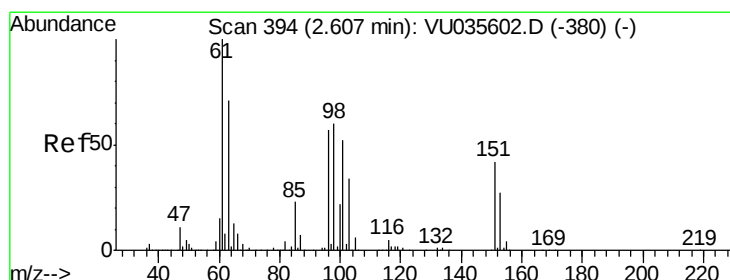
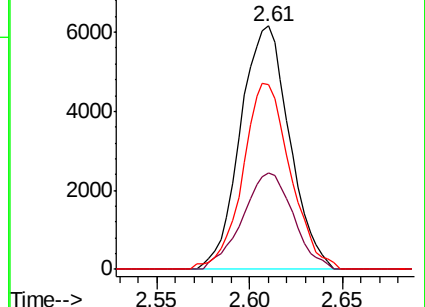
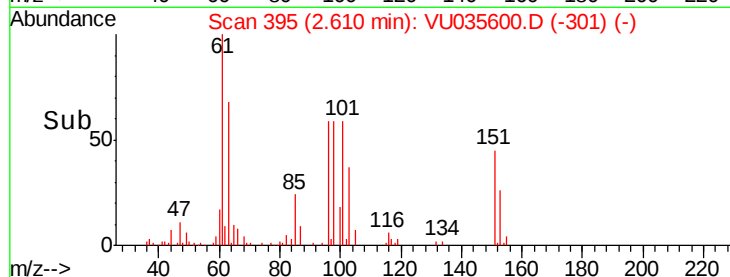
151 73.8 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): VU035600.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU035600.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU035600.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 0.467 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

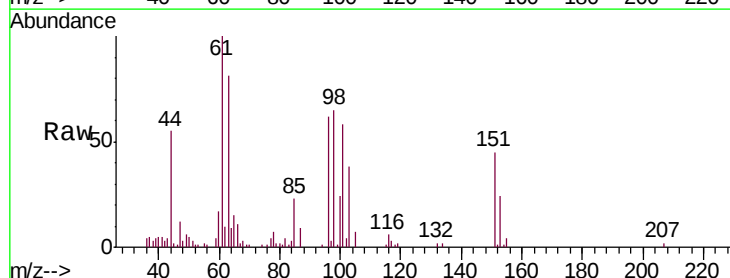
Tgt Ion: 96 Resp: 10489

Ion Ratio Lower Upper

96 100

61 160.3 123.1 228.5

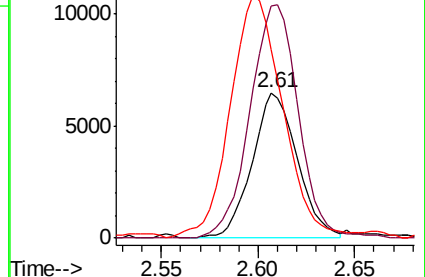
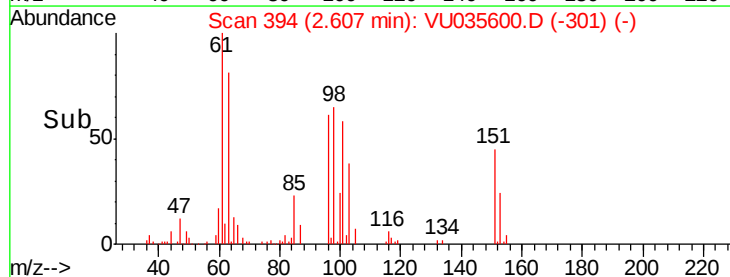
63 129.9 87.8 163.0

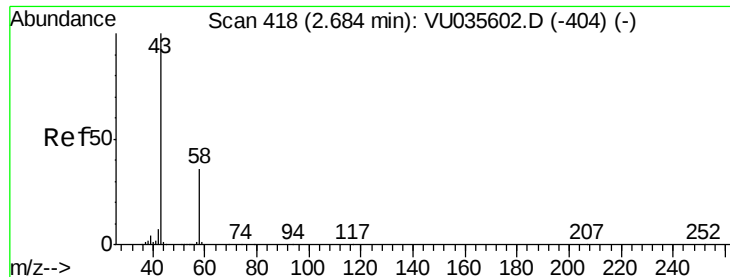


Abundance Ion 96.00 (95.70 to 96.70): VU035600.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035600.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035600.D (-301) (-)





#13

Acetone

Concen: 4.550 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.01 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

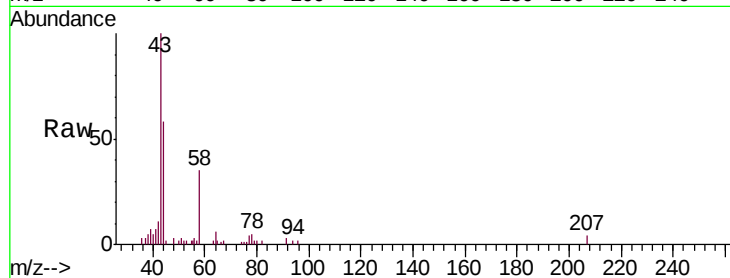
VSTD0.502

Tgt Ion: 43 Resp: 20858

Ion Ratio Lower Upper

43 100

58 33.7 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035600.D (-420) (-)

Ion 58.05 (57.75 to 58.75): VU035600.D (-420) (-)

2.69

8000

6000

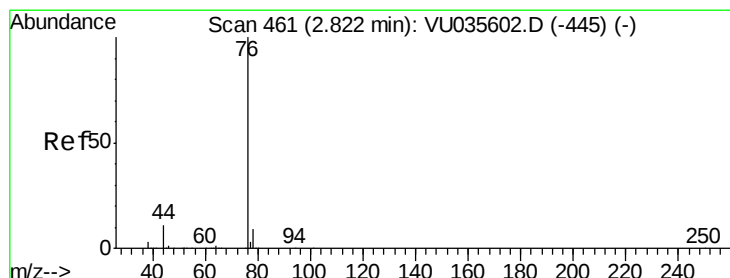
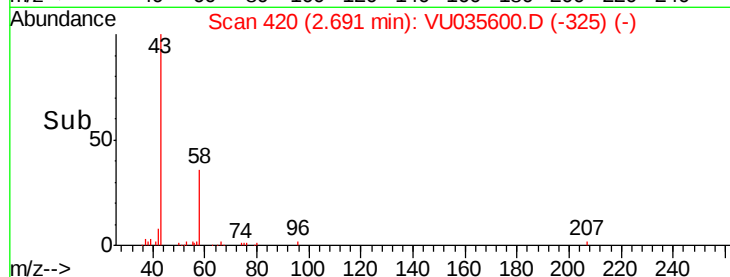
4000

2000

0

Time-->

2.60 2.65 2.70 2.75 2.80



#14

Carbon disulfide

Concen: 0.439 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035600.D

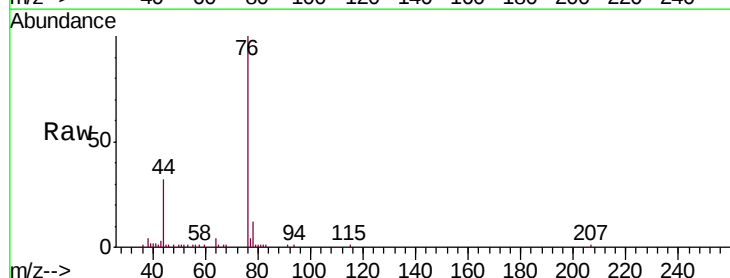
Acq: 04 Nov 2019 10:32

Tgt Ion: 76 Resp: 34480

Ion Ratio Lower Upper

76 100

78 11.7 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU035600.D (-461) (-)

Ion 78.00 (77.70 to 78.70): VU035600.D (-461) (-)

2.82

20000

15000

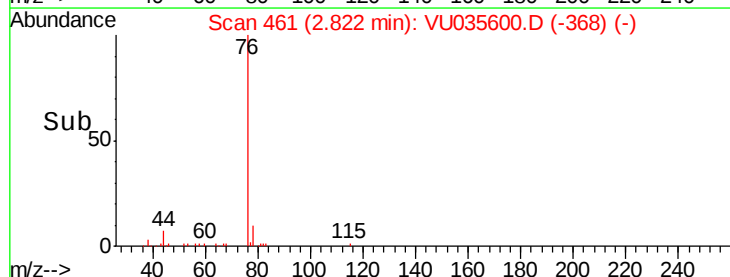
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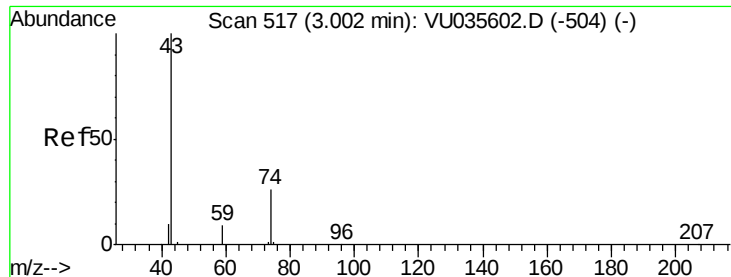
5000

0

Time-->

2.75 2.80 2.85 2.90 2.95





#15

Methyl Acetate

Concen: 0.482 ug/L

RT: 3.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

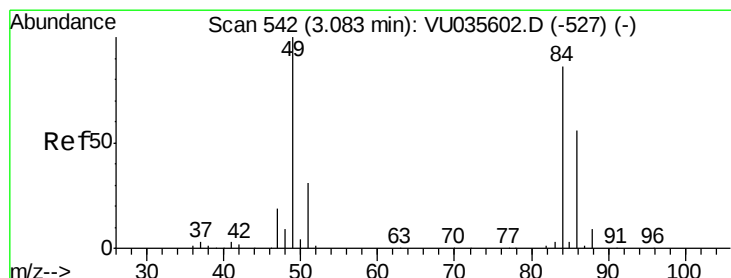
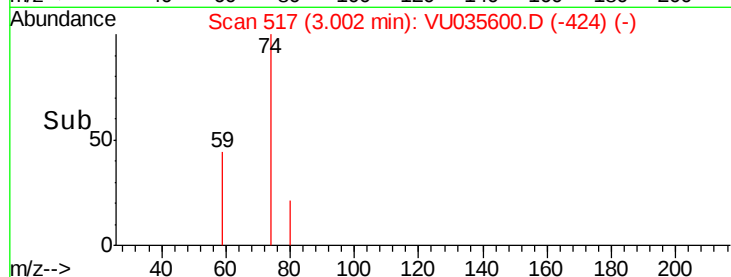
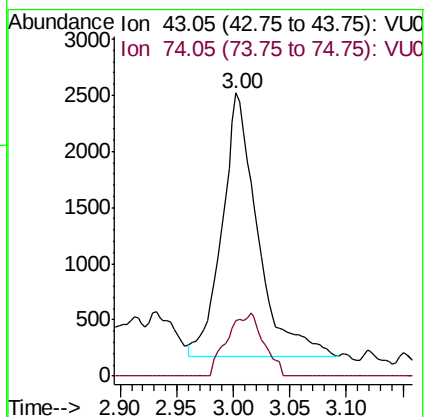
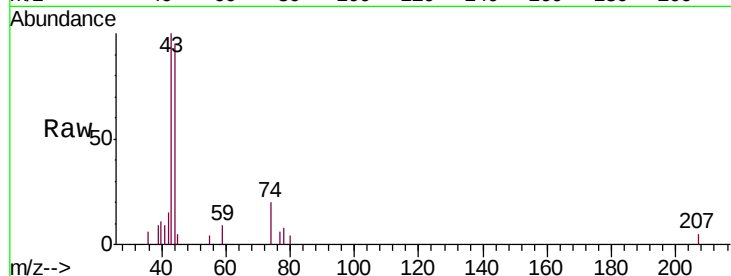
VSTD0.502

Tgt Ion: 43 Resp: 5095

Ion Ratio Lower Upper

43 100

74 24.4 21.0 31.6



#16

Methylene chloride

Concen: 0.505 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

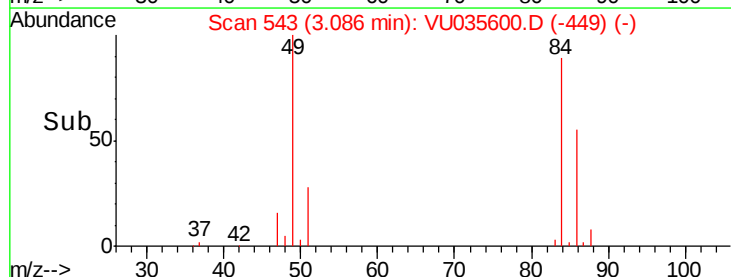
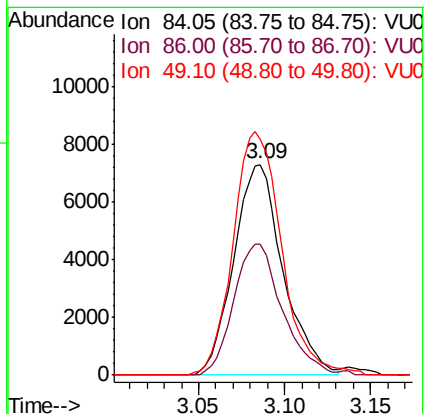
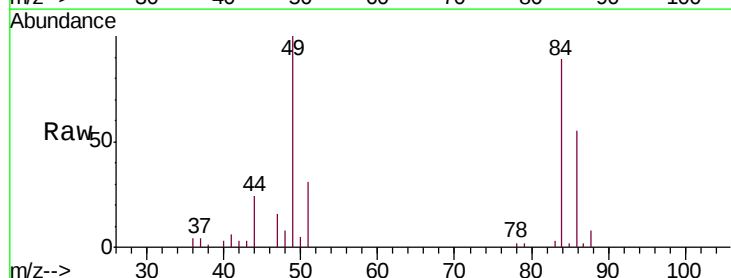
Tgt Ion: 84 Resp: 14570

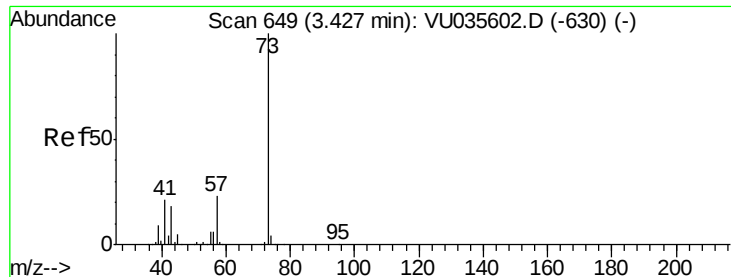
Ion Ratio Lower Upper

84 100

86 61.9 45.8 85.2

49 111.9 81.9 152.1





#17

Methyl tert-butyl Ether

Concen: 0.429 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

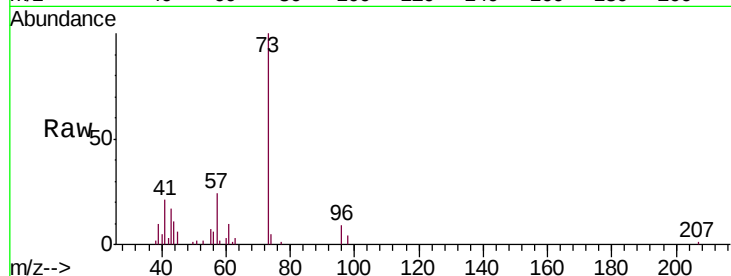
Tgt Ion: 73 Resp: 23268

Ion Ratio Lower Upper

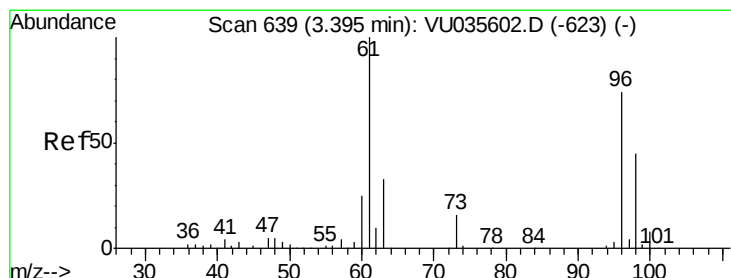
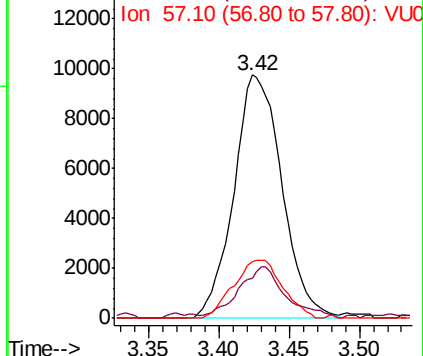
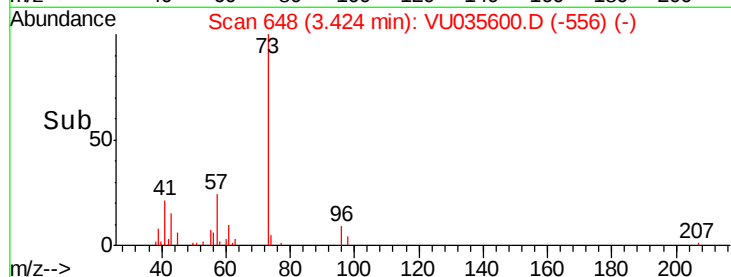
73 100

43 20.8 14.4 21.6

57 24.2 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU035600.D (-556) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.438 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

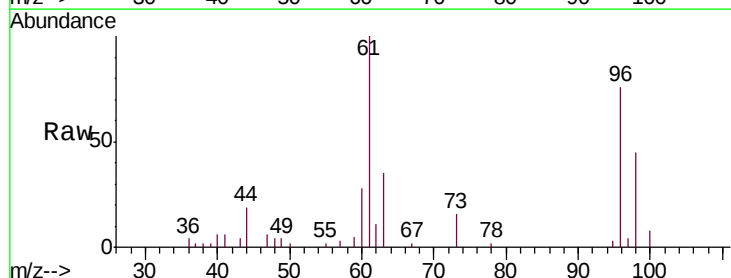
Tgt Ion: 96 Resp: 10634

Ion Ratio Lower Upper

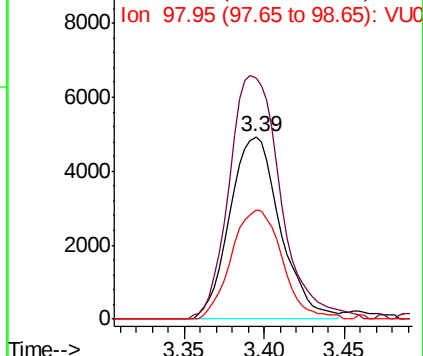
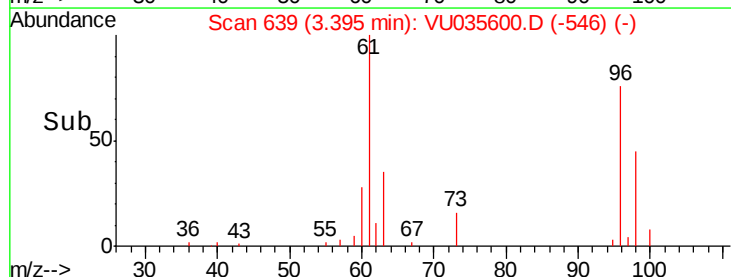
96 100

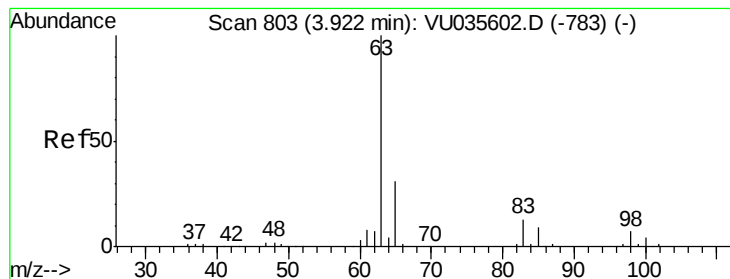
61 132.2 95.0 176.4

98 60.0 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU035600.D (-546) (-)





#19

1,1-Dichloroethane

Concen: 0.414 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

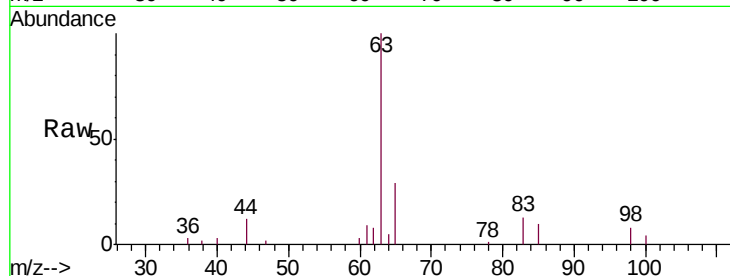
Tgt Ion: 63 Resp: 19622

Ion Ratio Lower Upper

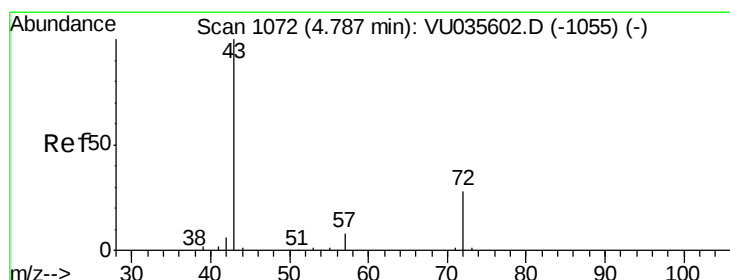
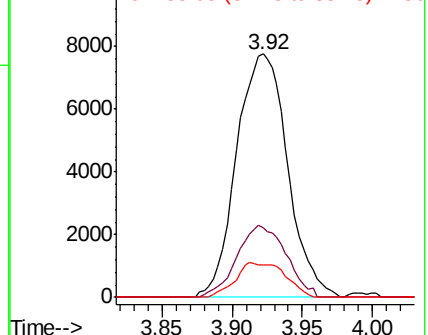
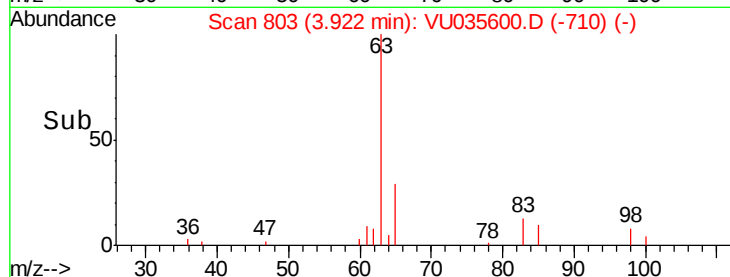
63 100

65 28.6 22.0 40.8

83 13.2 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035600.D (-710) (-)



#21

2-Butanone

Concen: 4.126 ug/L

RT: 4.80 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VU035600.D

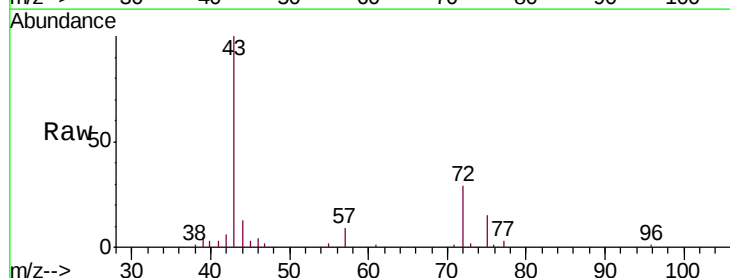
Acq: 04 Nov 2019 10:32

Tgt Ion: 43 Resp: 27629

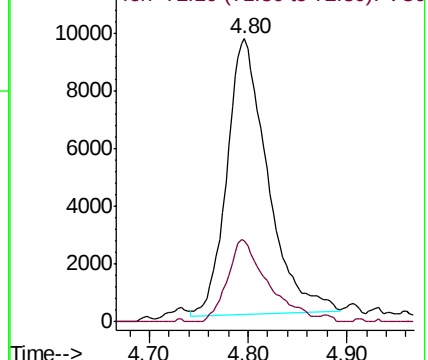
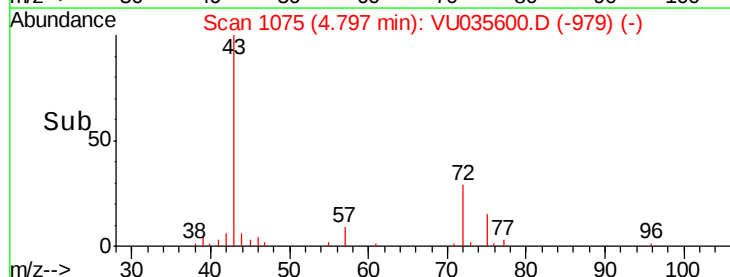
Ion Ratio Lower Upper

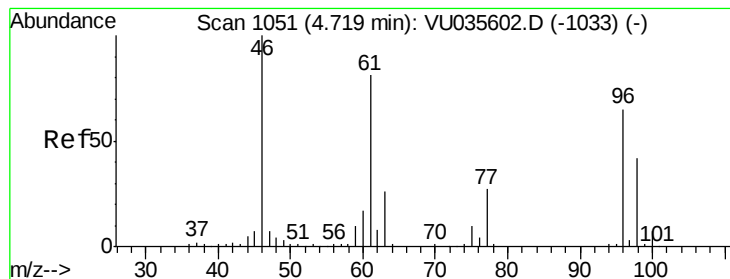
43 100

72 29.3 14.3 42.9



Abundance Ion 43.05 (42.75 to 43.75): VU035600.D (-979) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.451 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

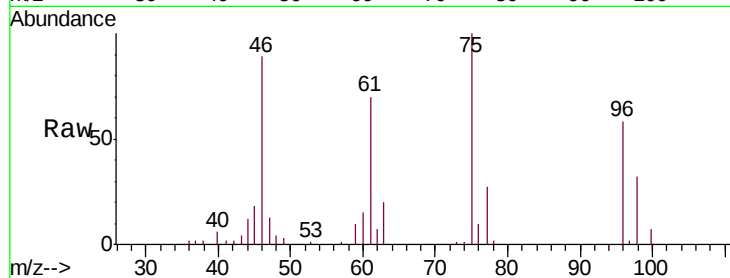
Tgt Ion: 96 Resp: 11763

Ion Ratio Lower Upper

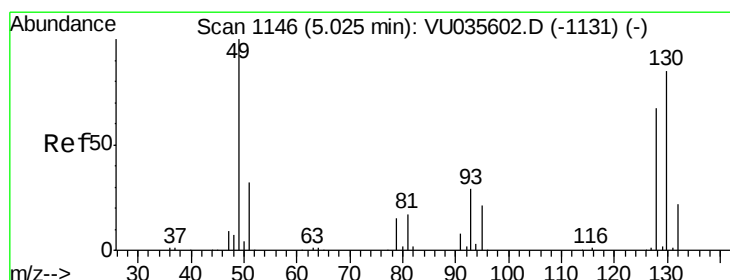
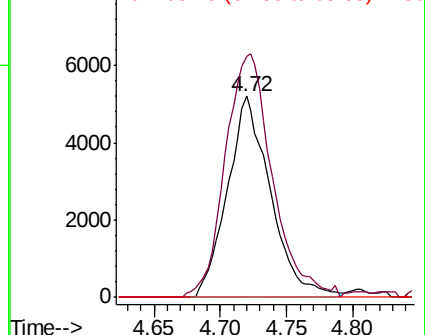
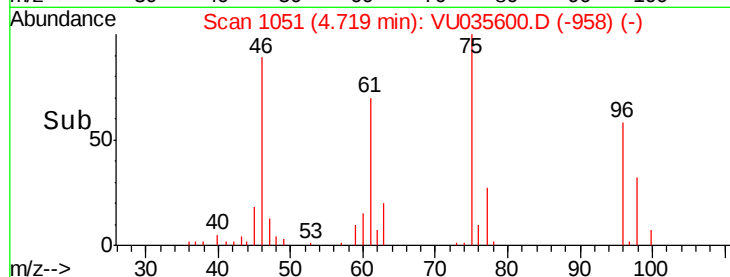
96 100

61 119.9 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035600.D (-958) (-)



#23

Bromochloromethane

Concen: 0.470 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Tgt Ion: 128 Resp: 5715

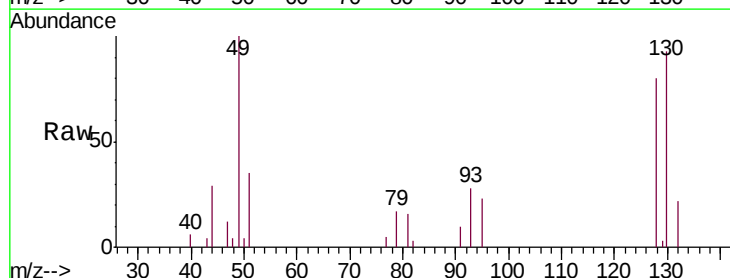
Ion Ratio Lower Upper

128 100

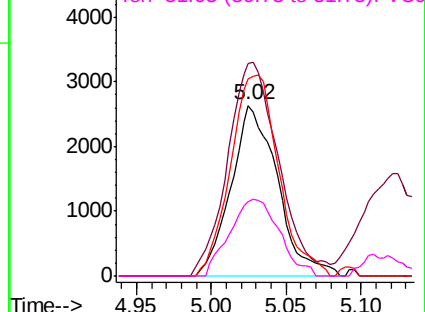
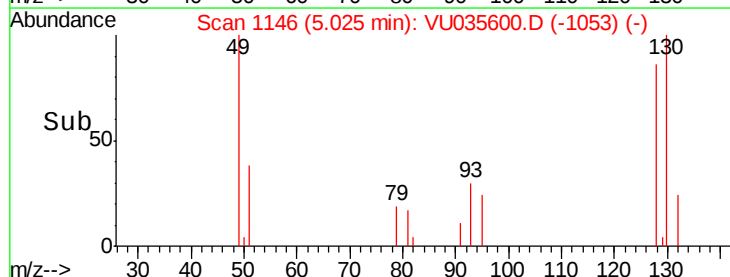
49 124.7 104.1 193.3

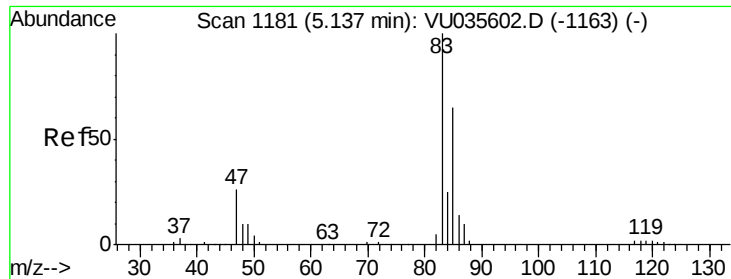
130 115.8 88.4 164.2

51 43.9 37.7 56.5



Abundance Ion 127.90 (127.60 to 128.60): VU035600.D (-1053) (-)

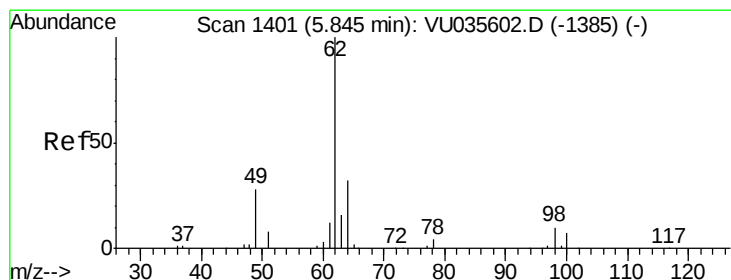
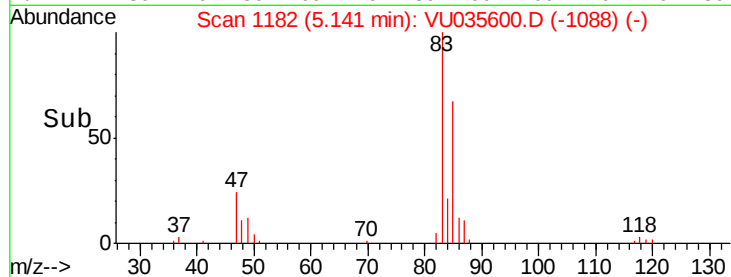
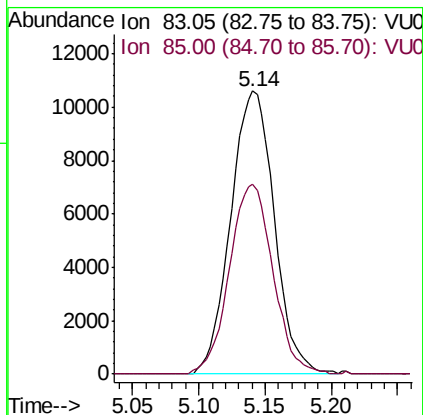
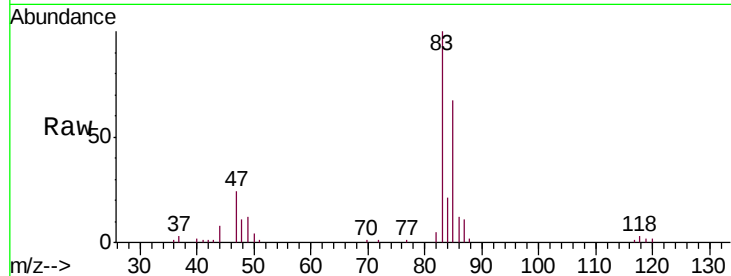




#25
Chloroform
Concen: 0.483 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

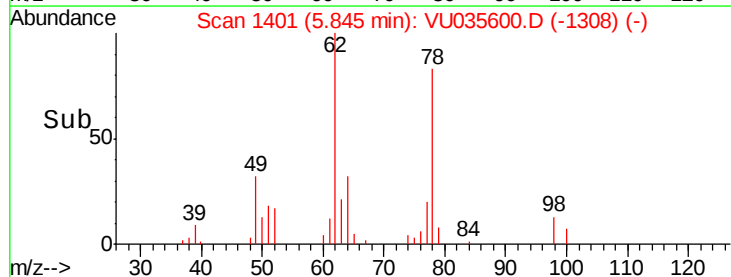
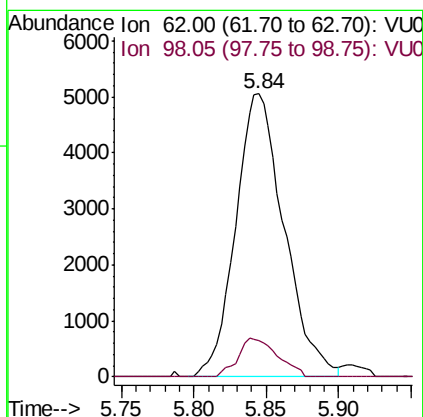
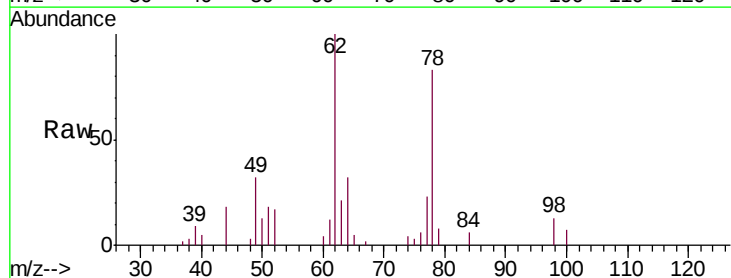
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

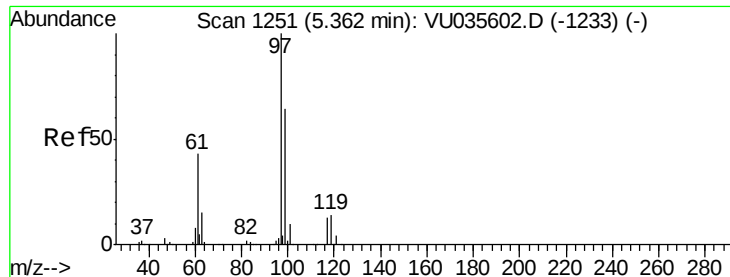
Tgt Ion: 83 Resp: 24217
Ion Ratio Lower Upper
83 100
85 67.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.399 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

Tgt Ion: 62 Resp: 11773
Ion Ratio Lower Upper
62 100
98 12.7 8.0 12.0#

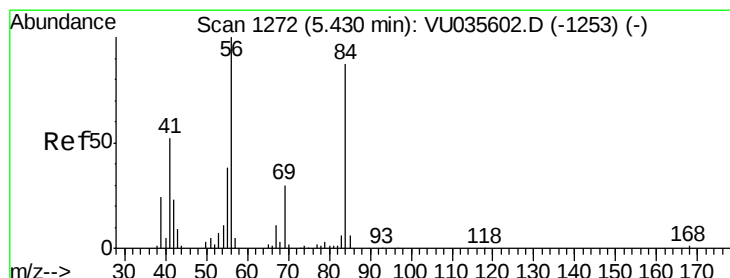
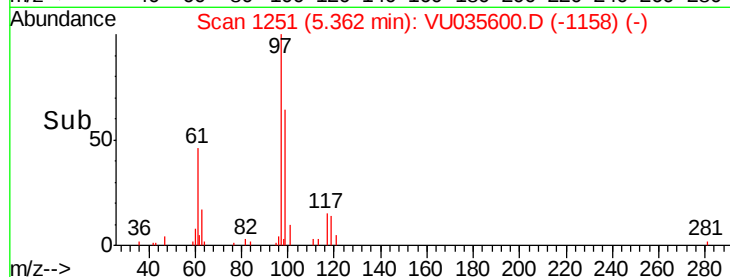
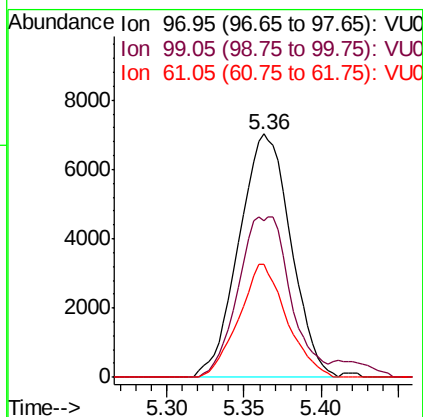
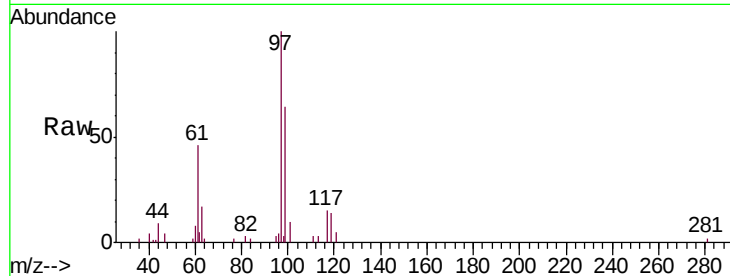




#29
1,1,1-Trichloroethane
Concen: 0.426 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

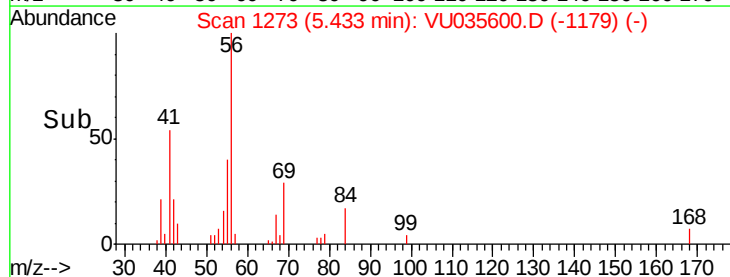
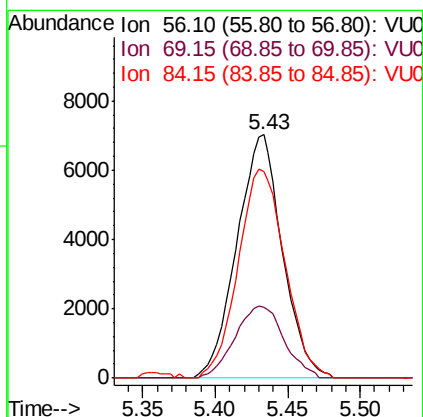
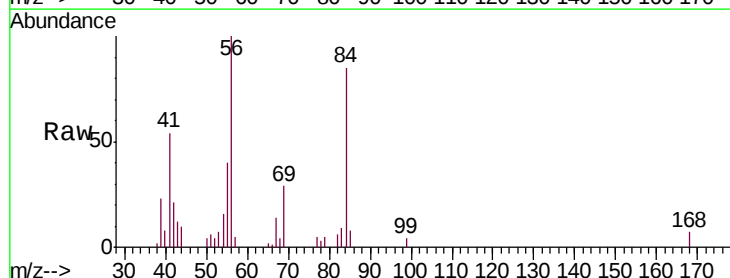
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

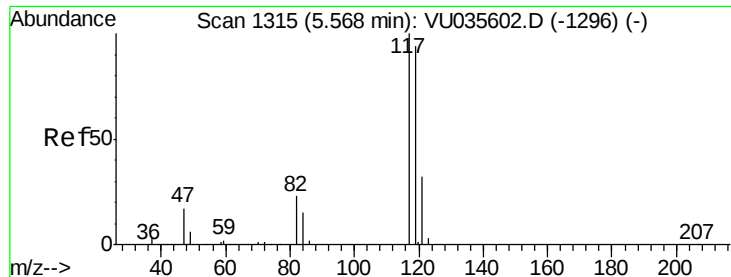
Tgt Ion: 97 Resp: 16380
Ion Ratio Lower Upper
97 100
99 66.6 51.3 76.9
61 42.9 34.4 51.6



#30
Cyclohexane
Concen: 0.393 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

Tgt Ion: 56 Resp: 15307
Ion Ratio Lower Upper
56 100
69 32.0 24.6 37.0
84 88.3 69.7 104.5

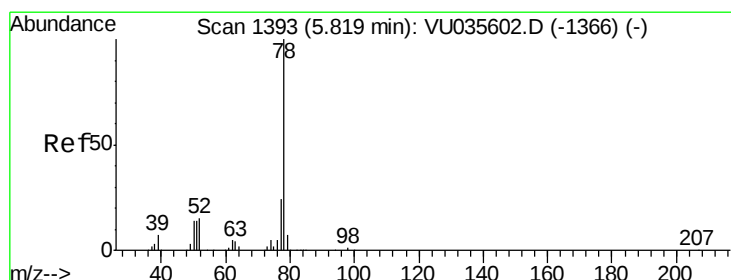
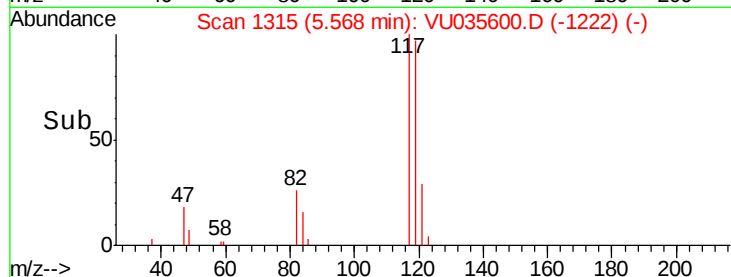
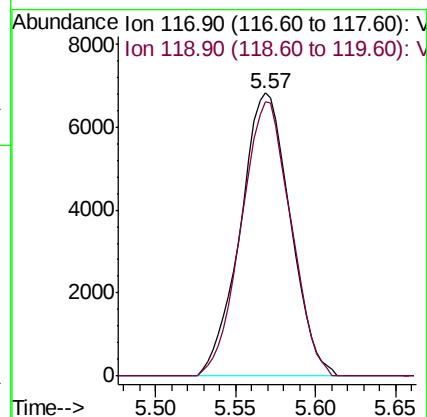
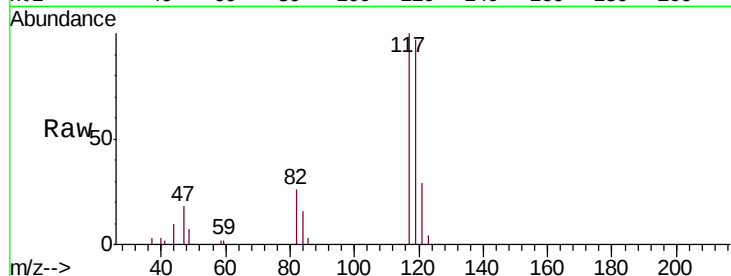




#31
Carbon tetrachloride
Concen: 0.424 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

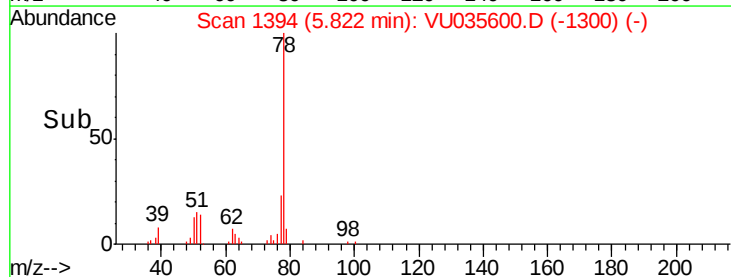
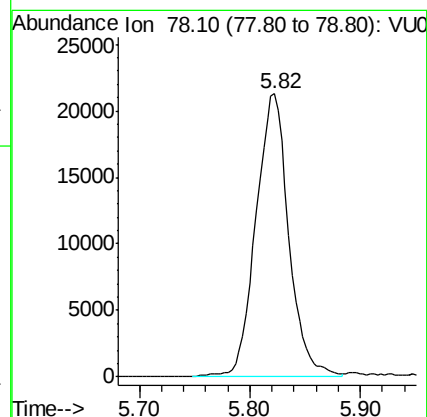
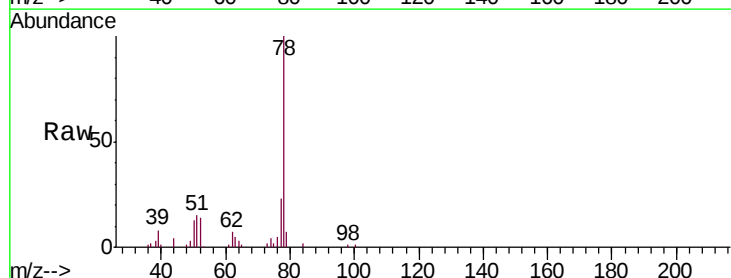
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

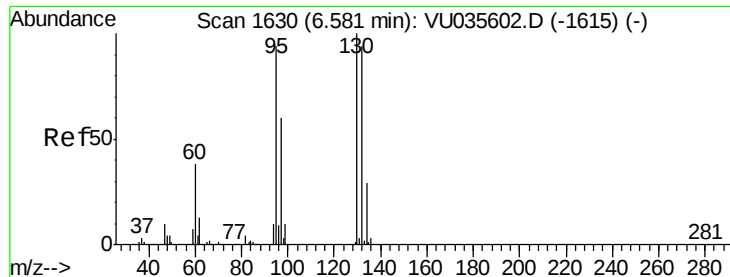
Tgt Ion:117 Resp: 14543
Ion Ratio Lower Upper
117 100
119 95.8 75.3 112.9



#33
Benzene
Concen: 0.434 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

Tgt Ion: 78 Resp: 44048

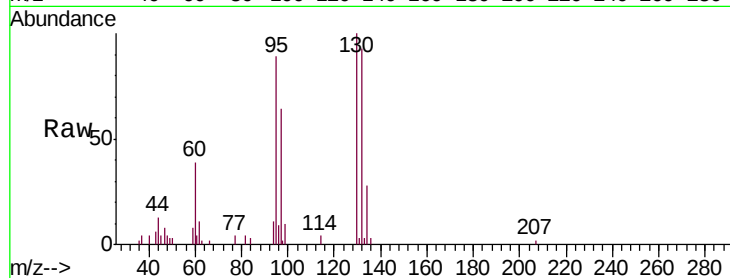




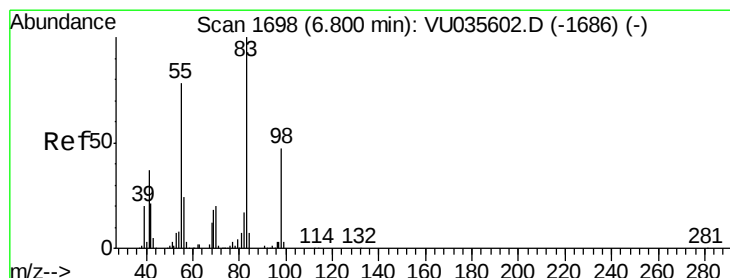
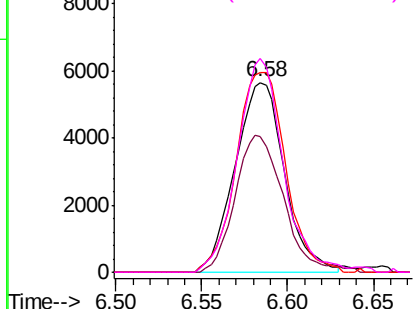
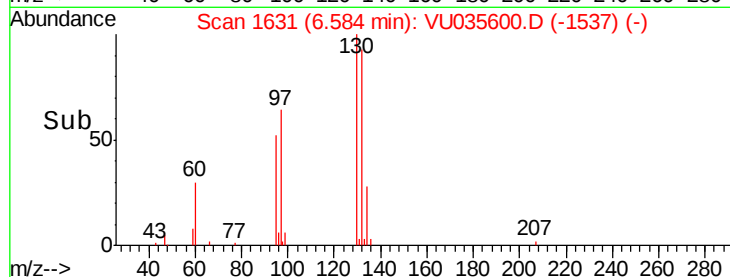
#34
 Trichloroethene
 Concen: 0.448 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 95 Resp: 11272
 Ion Ratio Lower Upper
 95 100
 97 71.9 44.5 82.7
 132 105.2 69.9 129.7
 130 112.7 74.1 137.7

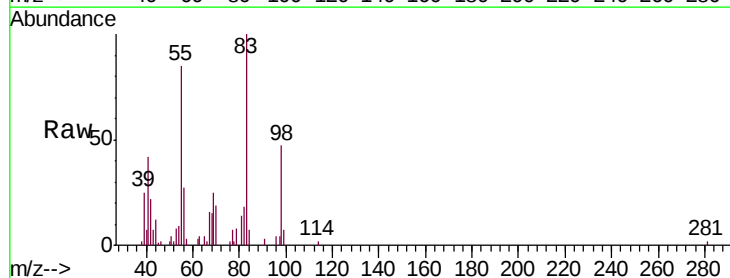


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

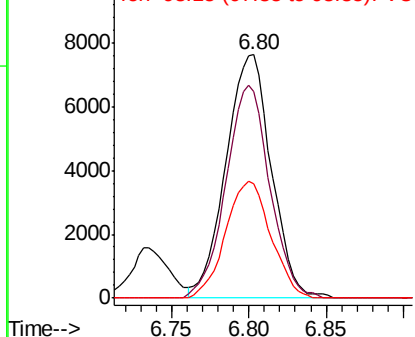
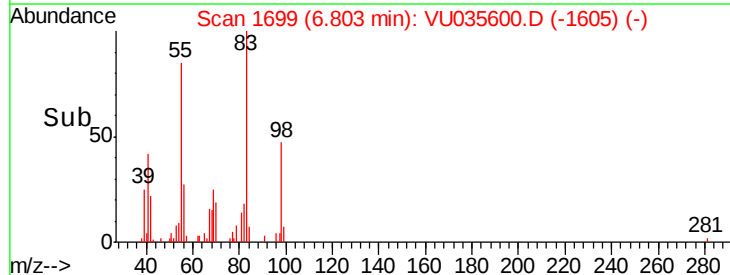


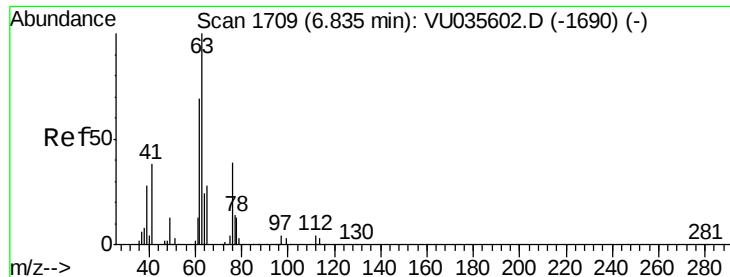
#35
 Methylcyclohexane
 Concen: 0.400 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Tgt Ion: 83 Resp: 15574
 Ion Ratio Lower Upper
 83 100
 55 84.4 62.6 93.8
 98 47.8 37.2 55.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.450 ug/L

RT: 6.84 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

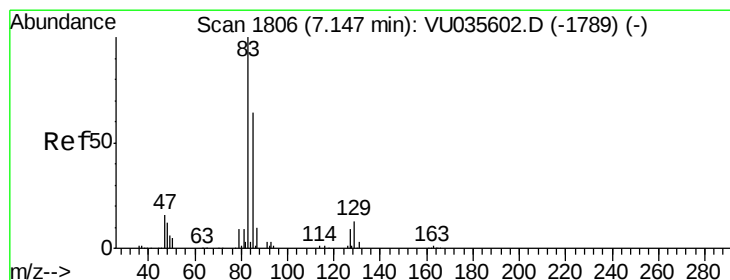
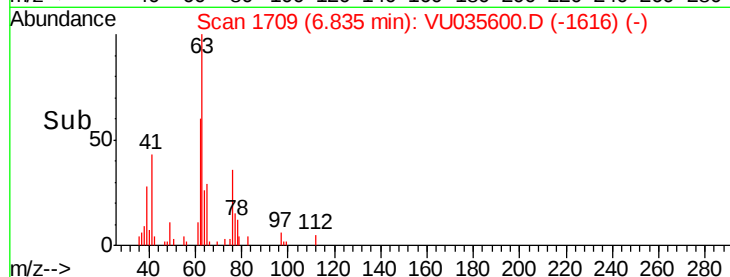
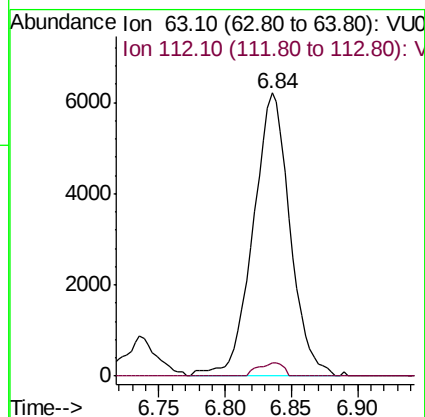
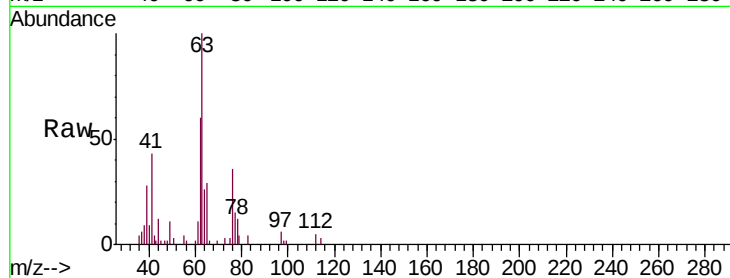
VSTD0.502

Tgt Ion: 63 Resp: 12074

Ion Ratio Lower Upper

63 100

112 3.2 3.4 5.2#



#38

Bromodichloromethane

Concen: 0.428 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

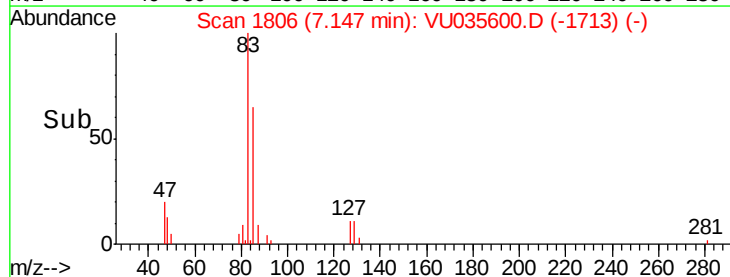
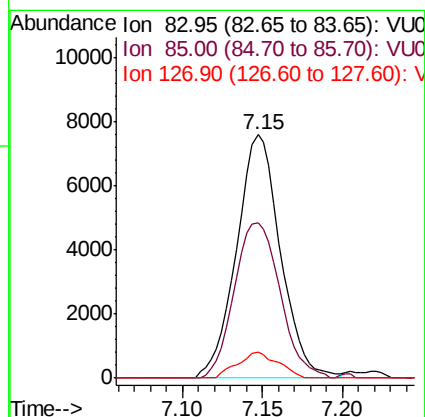
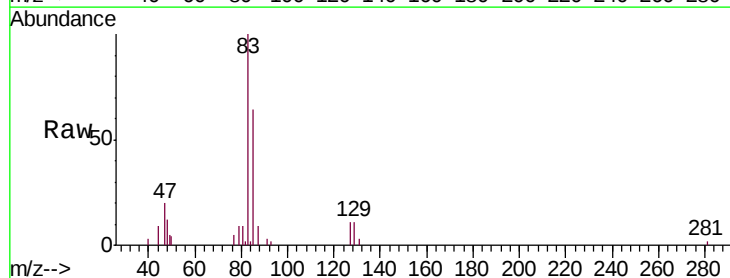
Tgt Ion: 83 Resp: 14205

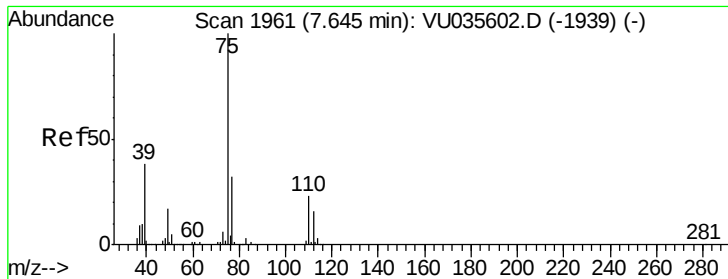
Ion Ratio Lower Upper

83 100

85 63.6 44.7 82.9

127 10.8 7.1 10.7#



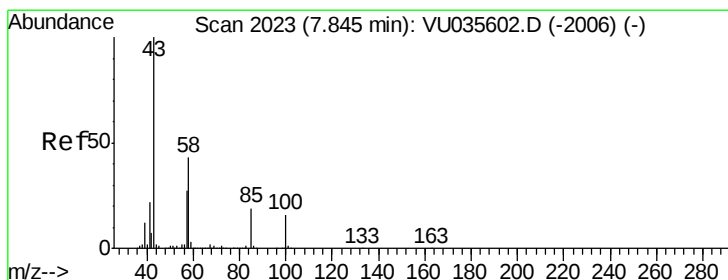
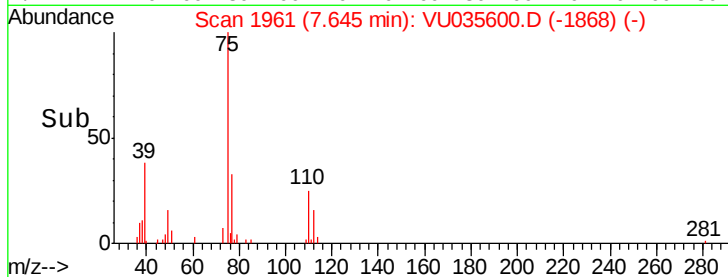
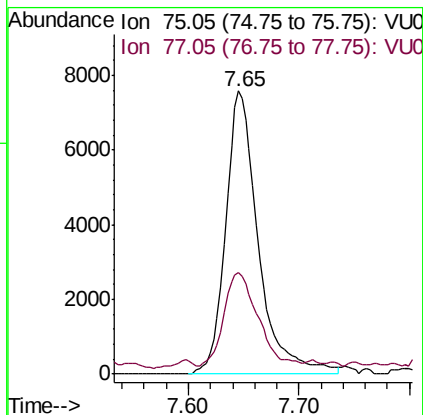
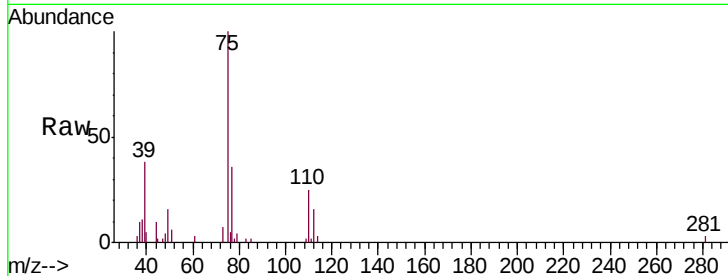


#39

cis-1,3-Dichloropropene
 Concen: 0.416 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

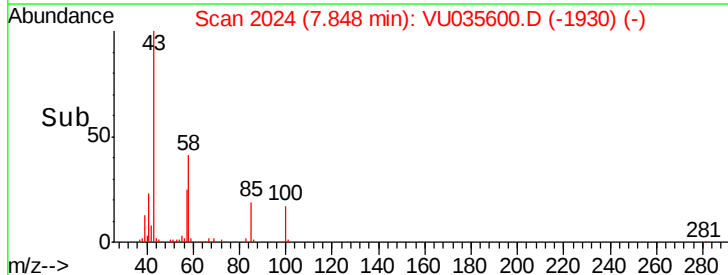
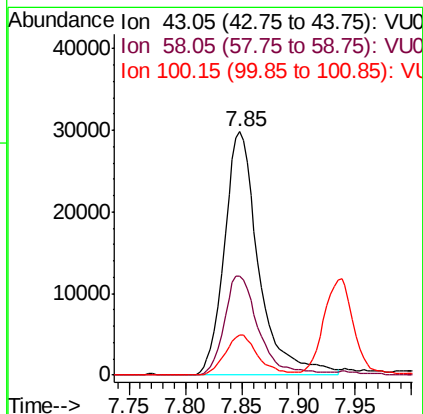
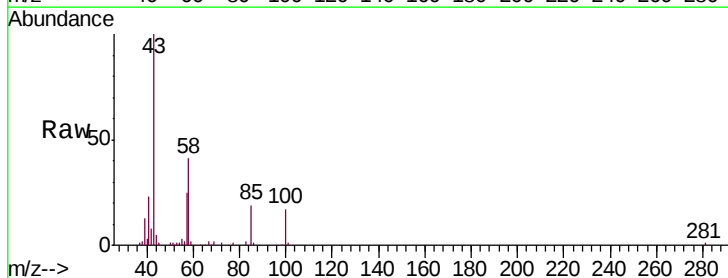
Tgt Ion: 75 Resp: 15575
 Ion Ratio Lower Upper
 75 100
 77 35.9 22.5 41.7

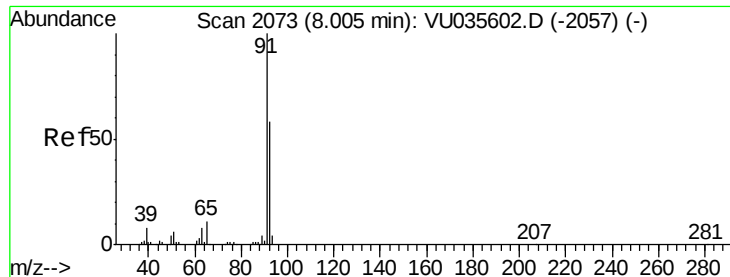


#40

4-Methyl-2-pentanone
 Concen: 4.021 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Tgt Ion: 43 Resp: 62968
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.4 50.2
 100 16.0 12.7 19.1





#42

Toluene

Concen: 0.409 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

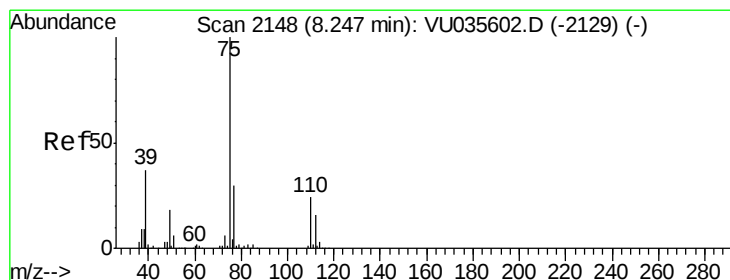
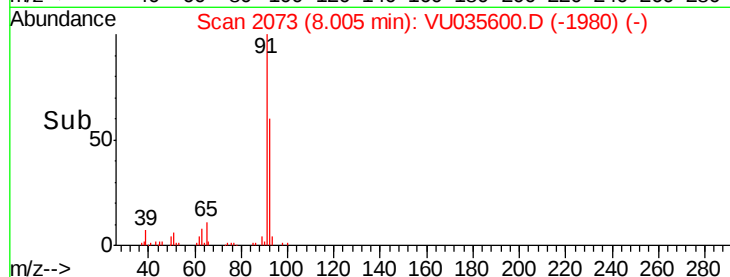
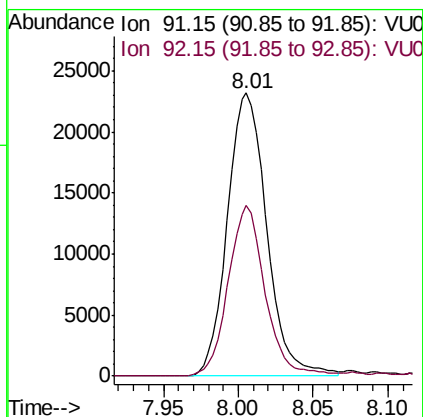
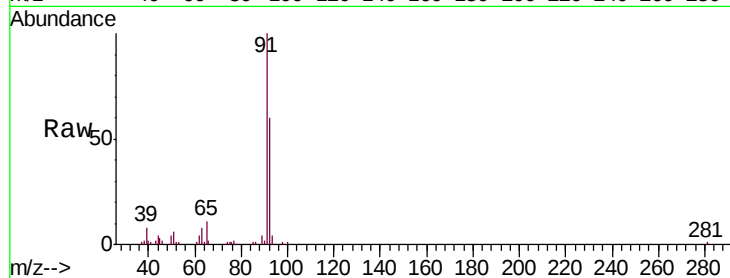
VSTD0.502

Tgt Ion: 91 Resp: 42533

Ion Ratio Lower Upper

91 100

92 60.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 0.386 ug/L

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035600.D

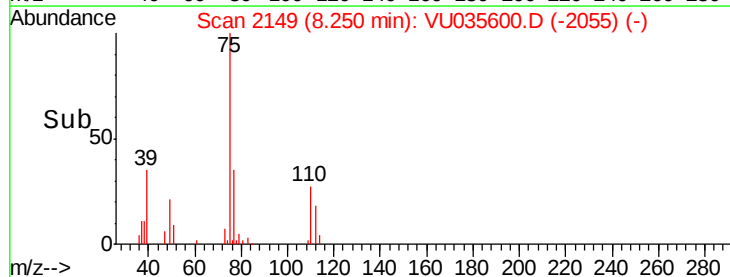
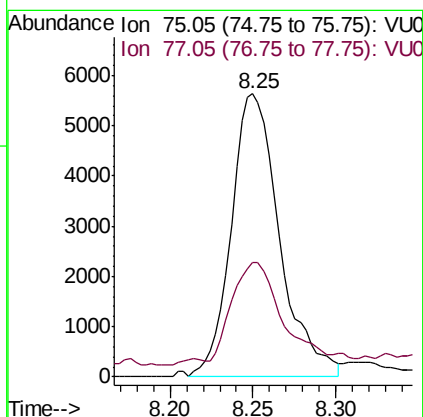
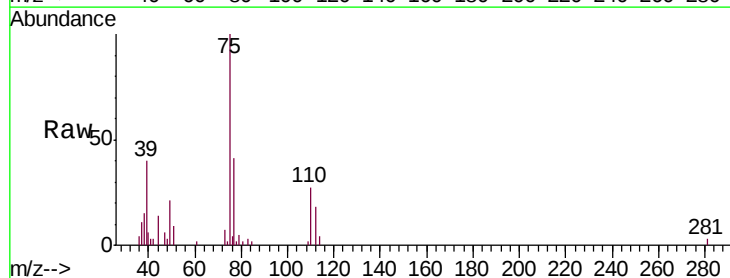
Acq: 04 Nov 2019 10:32

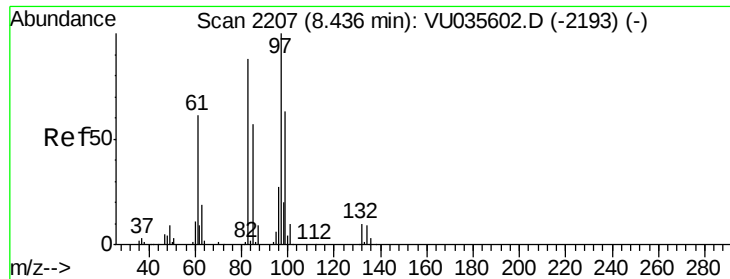
Tgt Ion: 75 Resp: 11462

Ion Ratio Lower Upper

75 100

77 40.6 21.6 40.2#

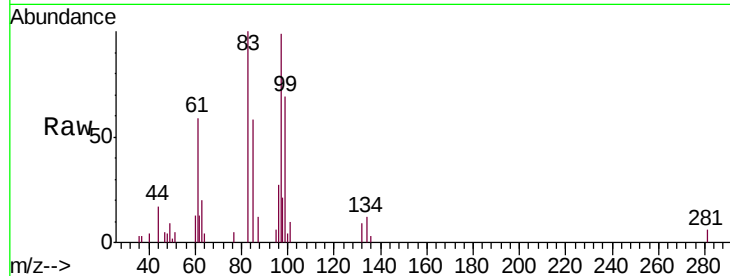




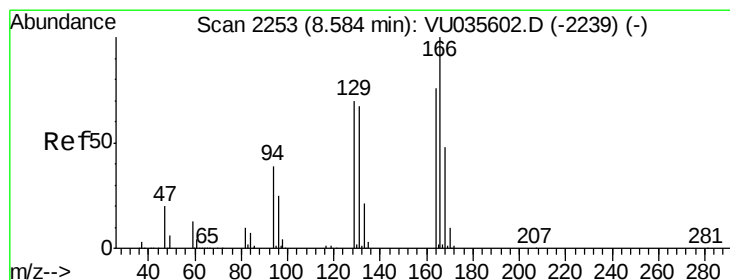
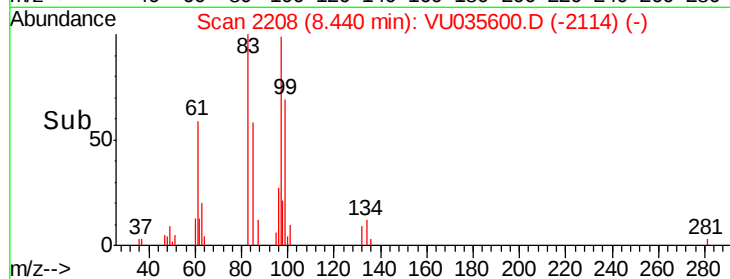
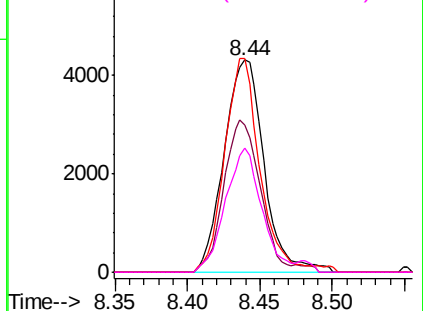
#45
 1,1,2-Trichloroethane
 Concen: 0.440 ug/L
 RT: 8.44 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:	97	Resp:	8273
Ion	Ratio	Lower	Upper
97	100		
99	69.4	43.8	81.4
83	100.8	61.6	114.4
85	58.3	40.0	74.4

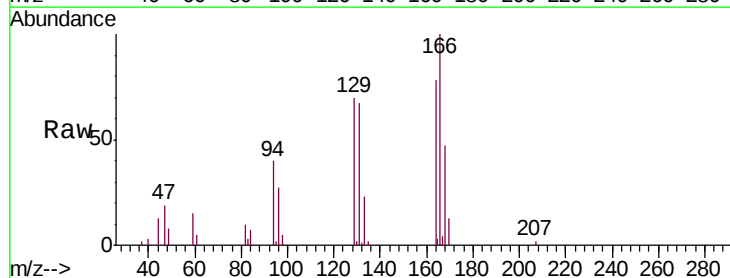


Abundance Ion 96.95 (96.65 to 97.65): VU035600.D (-2193) (-)
 Ion 99.05 (98.75 to 99.75): VU035600.D (-2193) (-)
 Ion 82.95 (82.65 to 83.65): VU035600.D (-2193) (-)
 Ion 85.00 (84.70 to 85.70): VU035600.D (-2193) (-)

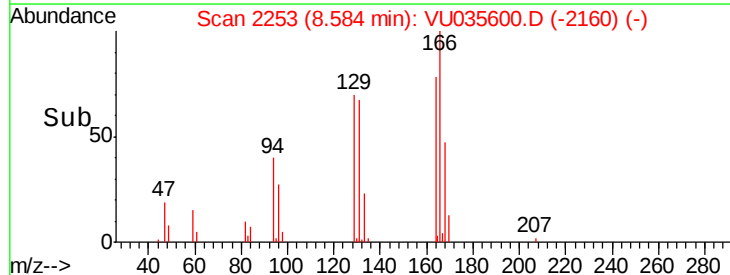
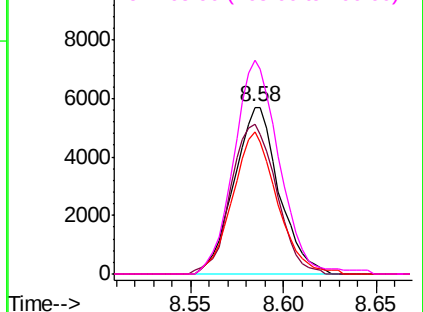


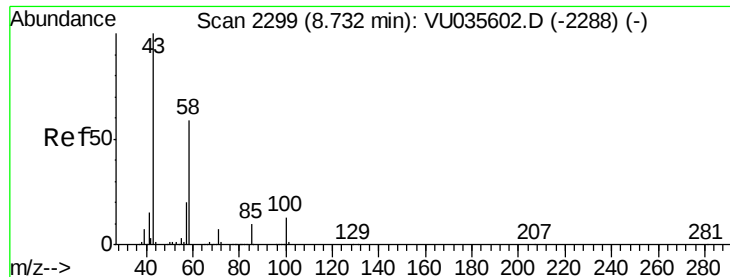
#47
 Tetrachloroethene
 Concen: 0.456 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Tgt Ion:	164	Resp:	9585
Ion	Ratio	Lower	Upper
164	100		
129	89.9	64.7	120.1
131	85.4	61.6	114.4
166	128.1	91.8	170.4



Abundance Ion 163.90 (163.60 to 164.60): VU035600.D (-2239) (-)
 Ion 128.95 (128.65 to 129.65): VU035600.D (-2239) (-)
 Ion 130.95 (130.65 to 131.65): VU035600.D (-2239) (-)
 Ion 165.90 (165.60 to 166.60): VU035600.D (-2239) (-)

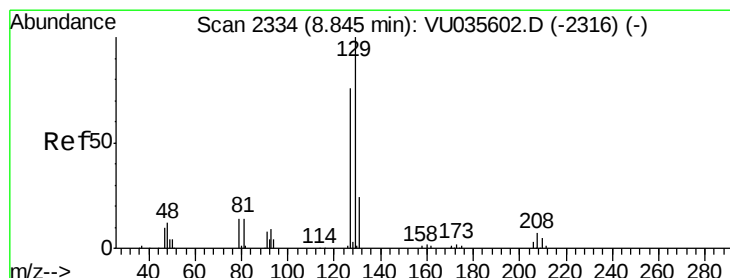
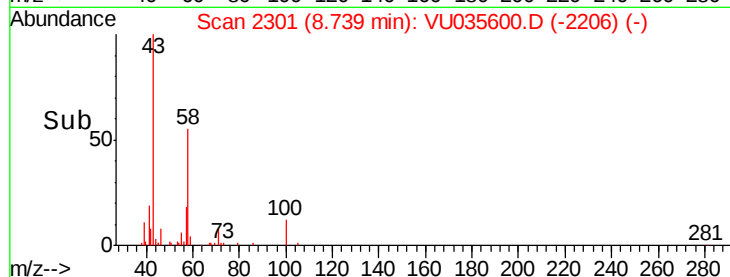
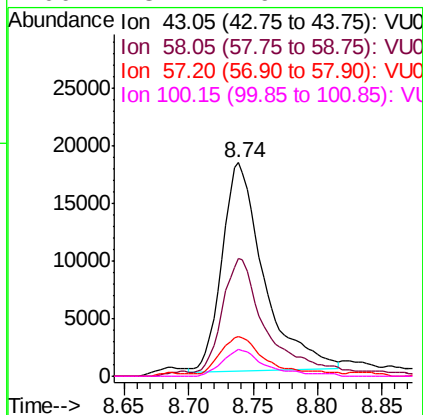
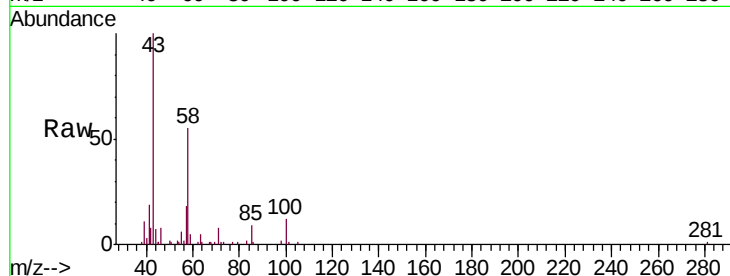




#48
2-Hexanone
Concen: 3.886 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

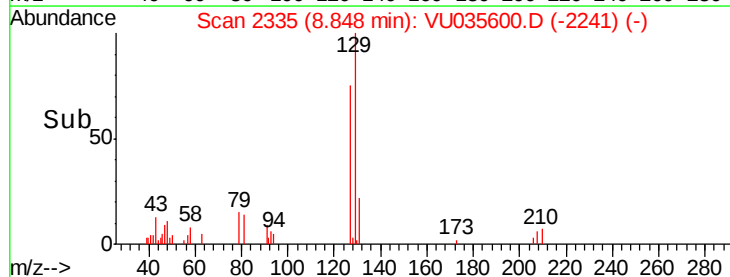
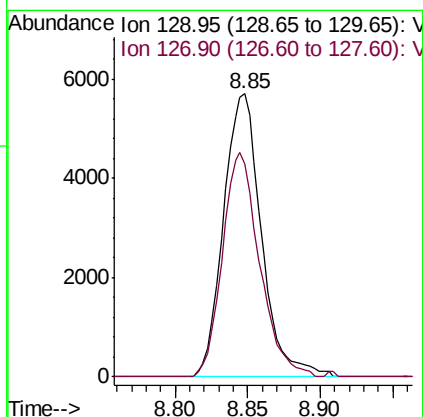
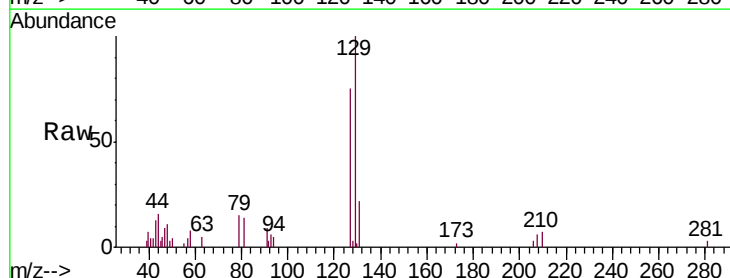
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

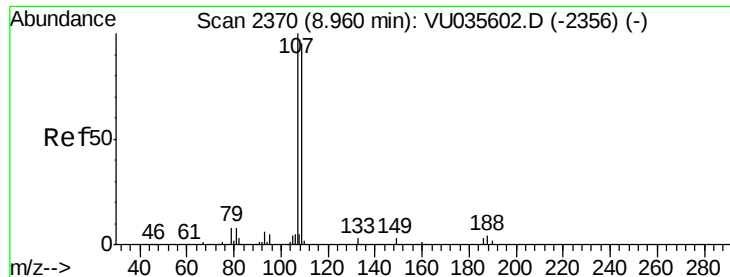
Tgt Ion:	43	Resp:	40955
Ion	Ratio	Lower	Upper
43	100		
58	56.6	44.1	66.1
57	16.4	15.1	22.7
100	13.4	9.4	14.2



#49
Dibromochloromethane
Concen: 0.464 ug/L
RT: 8.85 min Scan# 2335
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

Tgt Ion:	129	Resp:	10318
Ion	Ratio	Lower	Upper
129	100		
127	75.1	53.1	98.5

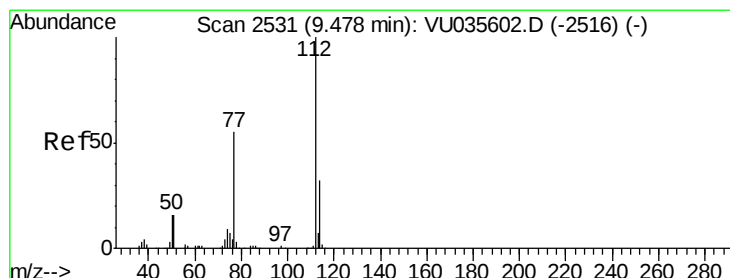
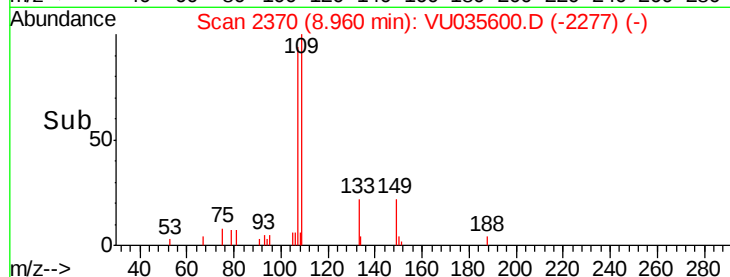
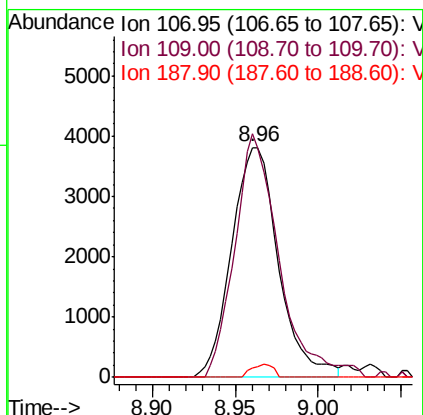
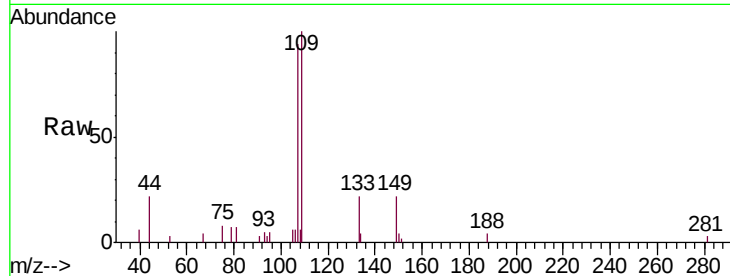




#50
1,2-Dibromoethane
Concen: 0.430 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

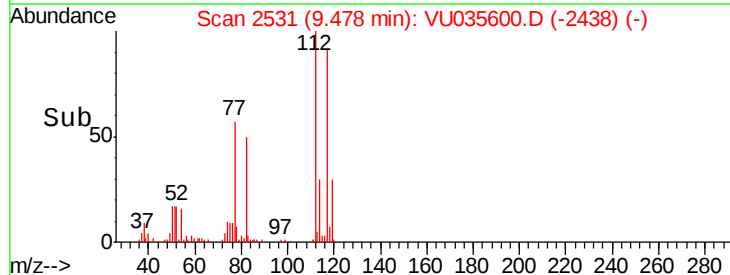
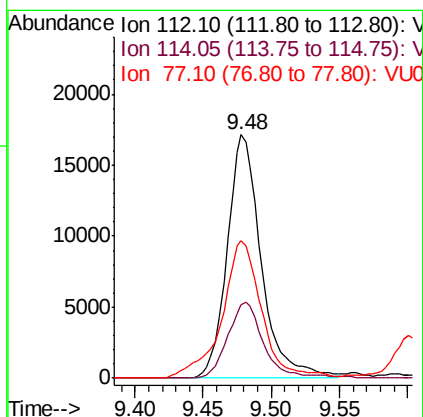
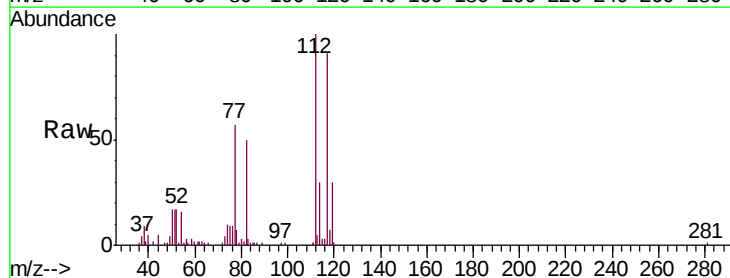
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

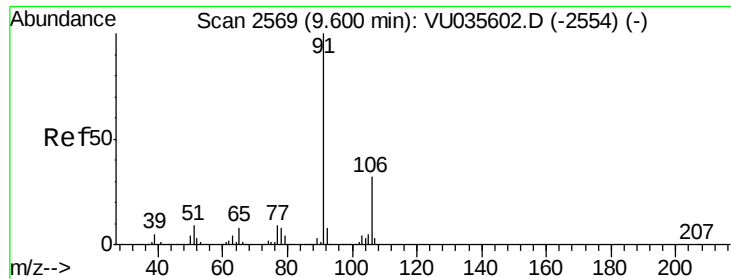
Tgt Ion:107 Resp: 7512
Ion Ratio Lower Upper
107 100
109 106.0 66.5 123.5
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 0.447 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

Tgt Ion:112 Resp: 29740
Ion Ratio Lower Upper
112 100
114 30.1 22.3 41.5
77 56.6 44.3 66.5





#52

Ethylbenzene

Concen: 0.404 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

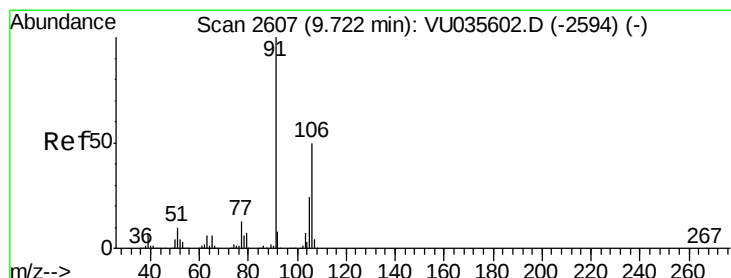
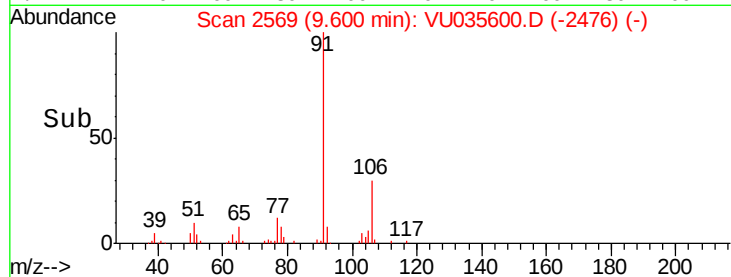
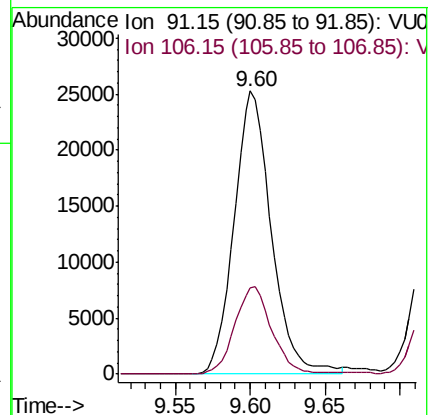
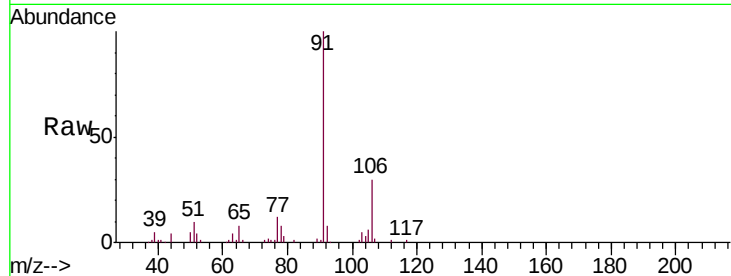
VSTD0.502

Tgt Ion: 91 Resp: 43856

Ion Ratio Lower Upper

91 100

106 30.3 22.4 41.6



#53

m,p-Xylene

Concen: 0.378 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035600.D

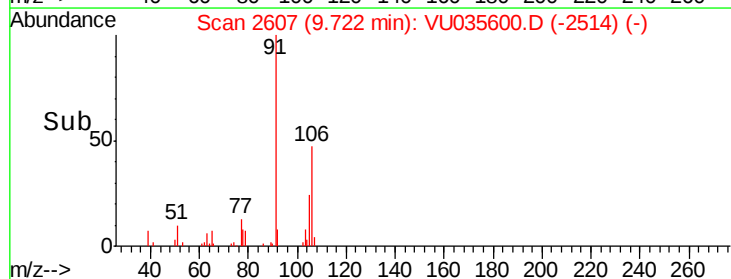
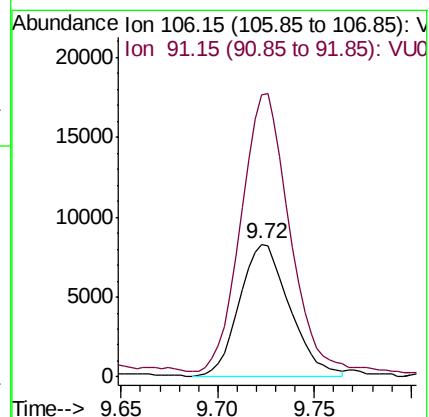
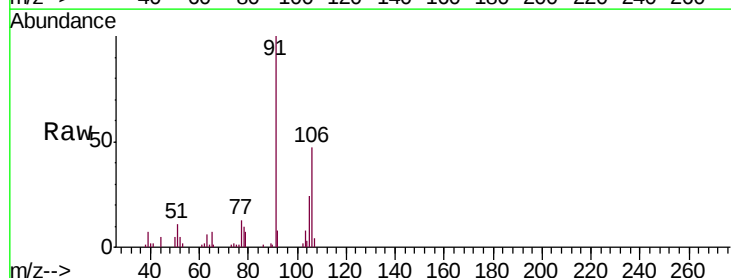
Acq: 04 Nov 2019 10:32

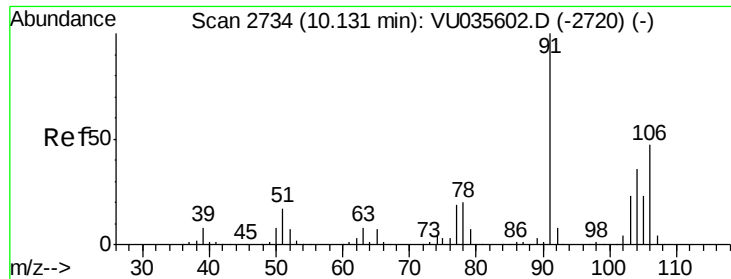
Tgt Ion: 106 Resp: 15063

Ion Ratio Lower Upper

106 100

91 213.0 139.4 259.0

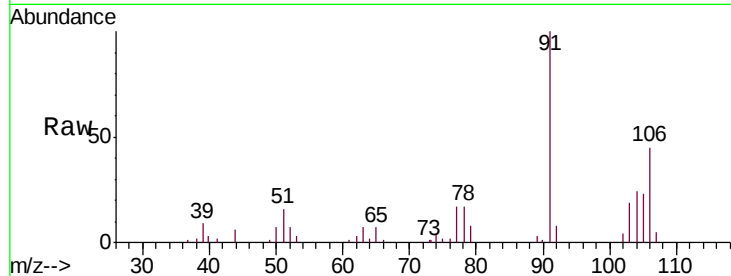




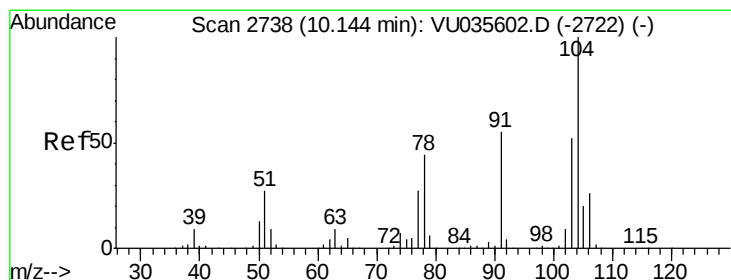
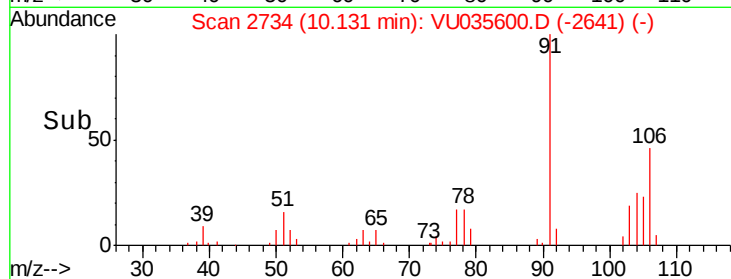
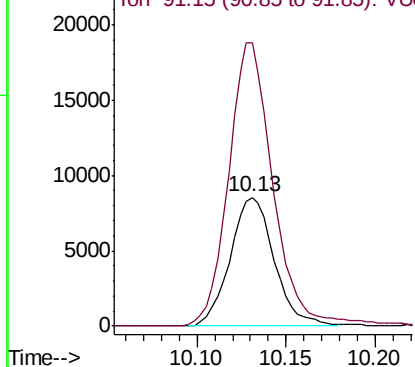
#54
o-Xylene
Concen: 0.379 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:106 Resp: 14766
Ion Ratio Lower Upper
106 100
91 219.9 147.7 274.3

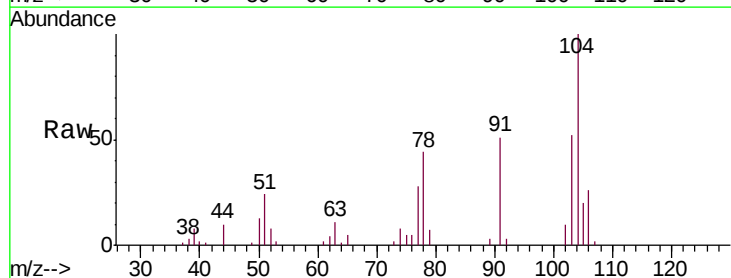


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

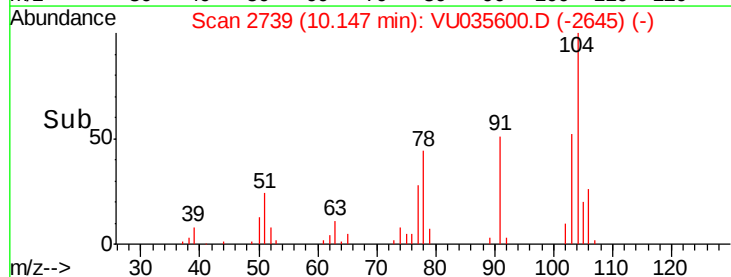
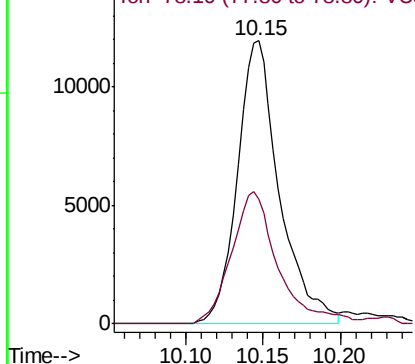


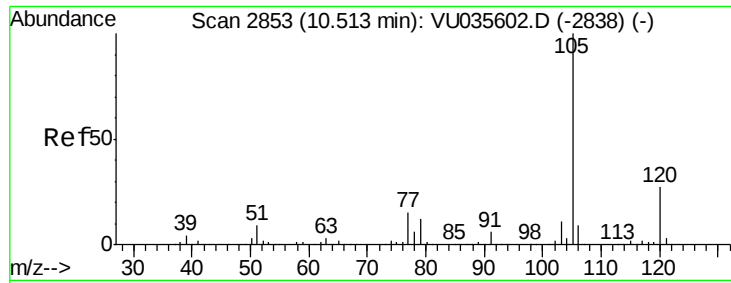
#55
Styrene
Concen: 0.355 ug/L
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035600.D
Acq: 04 Nov 2019 10:32

Tgt Ion:104 Resp: 22571
Ion Ratio Lower Upper
104 100
78 43.9 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.390 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

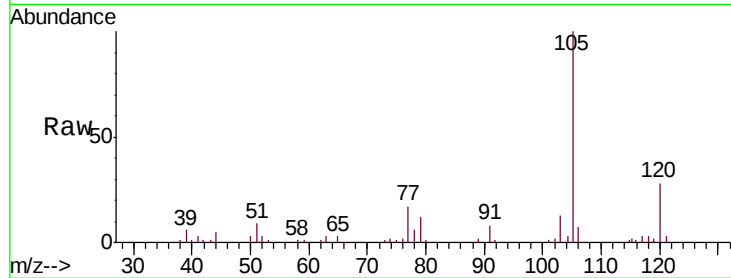
Tgt Ion: 105 Resp: 39735

Ion Ratio Lower Upper

105 100

120 25.7 21.4 32.2

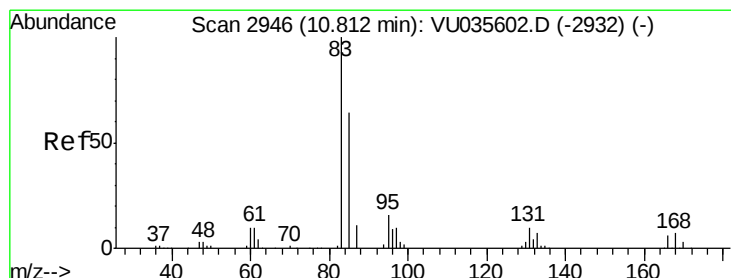
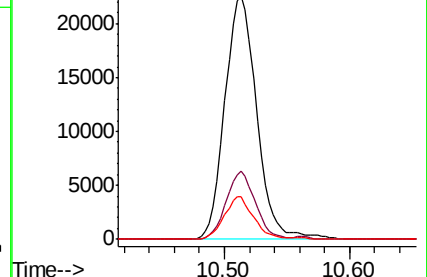
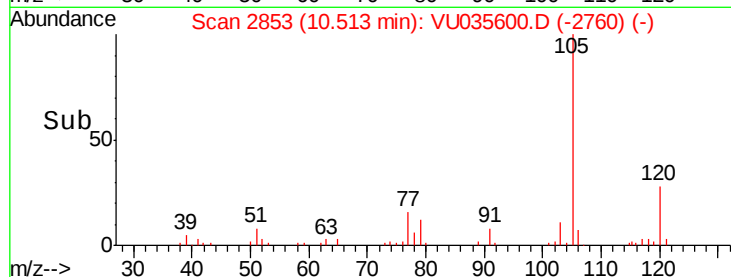
77 16.2 11.8 17.8



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: 0.444 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

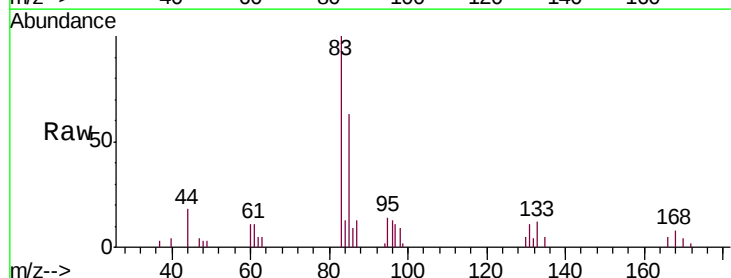
Tgt Ion: 83 Resp: 10861

Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0

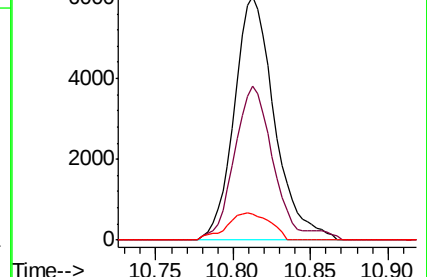
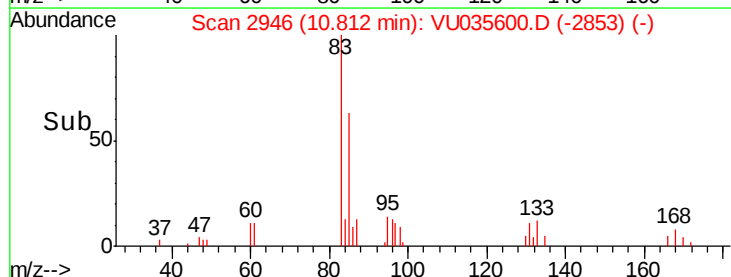
131 10.7 8.2 12.4

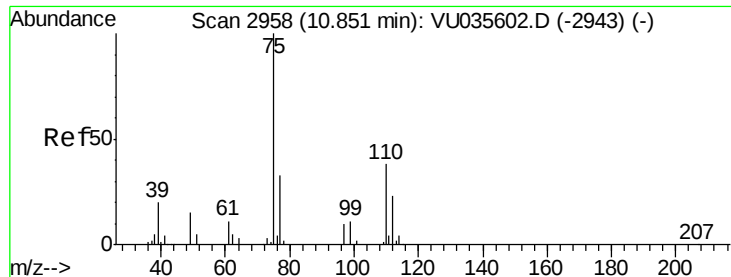


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

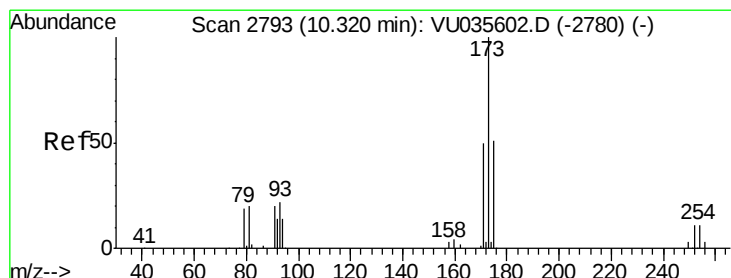
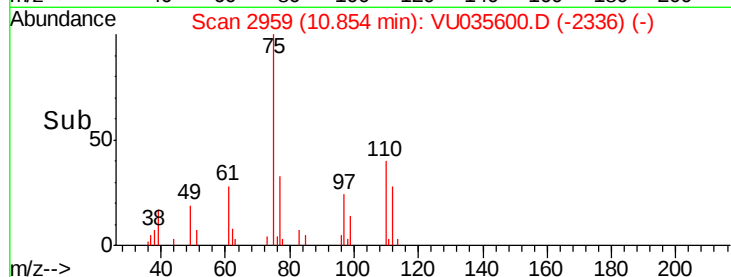
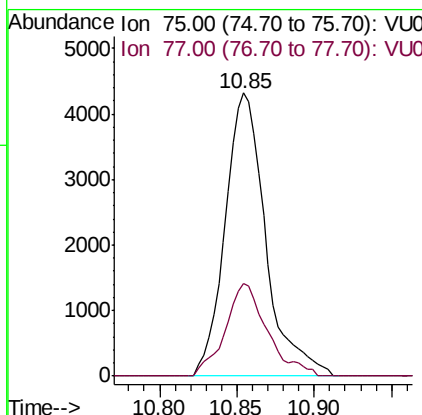
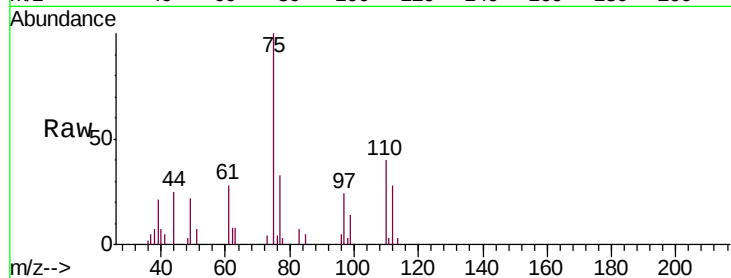




#59
 1,2,3-Trichloropropane
 Concen: 0.452 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

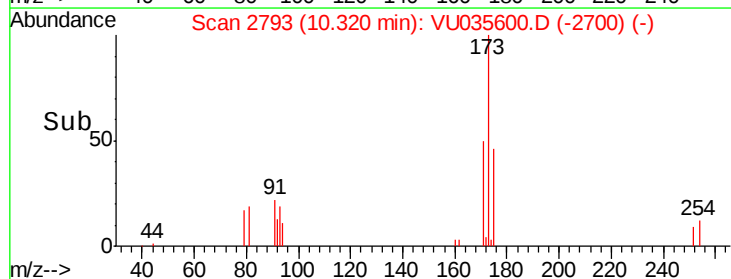
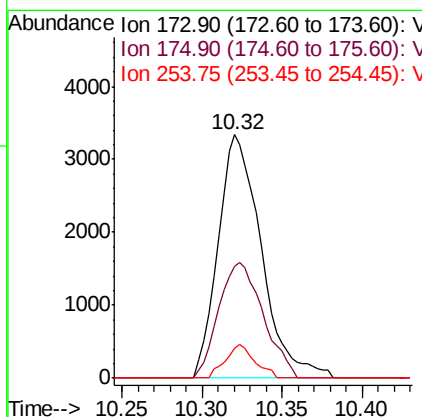
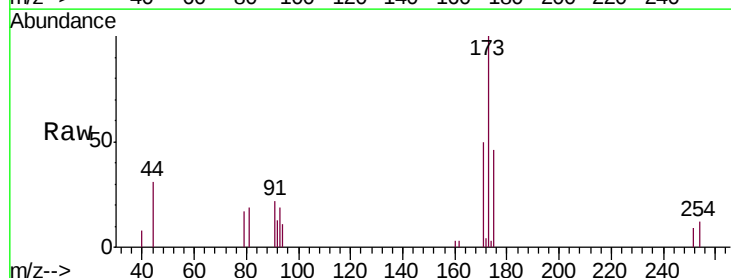
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

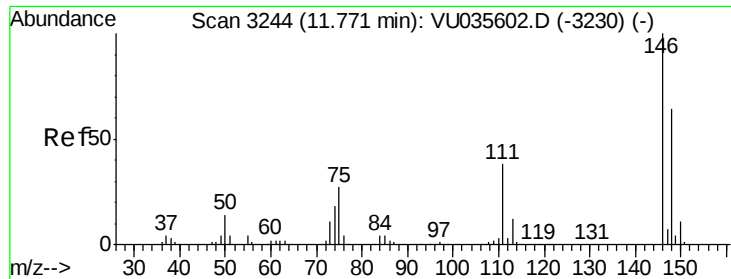
Tgt Ion: 75 Resp: 7843
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.8 40.2



#61
 Bromoform
 Concen: 0.534 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Tgt Ion: 173 Resp: 6163
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.0 58.4
 254 9.3 8.5 12.7

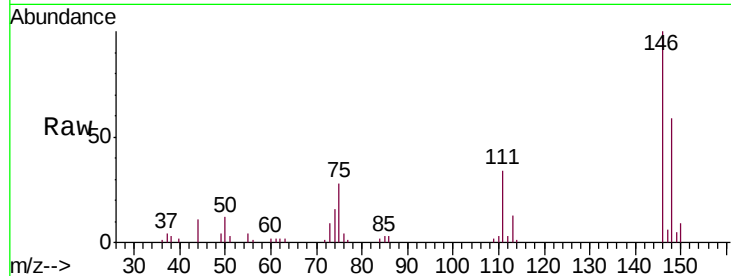




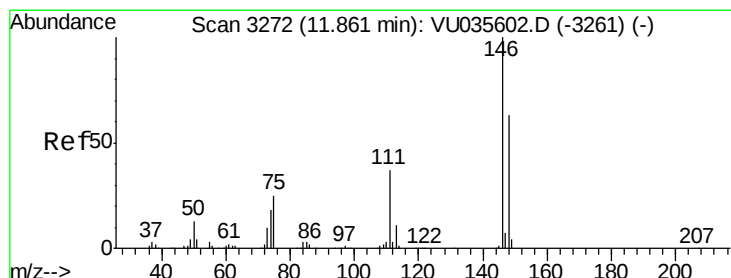
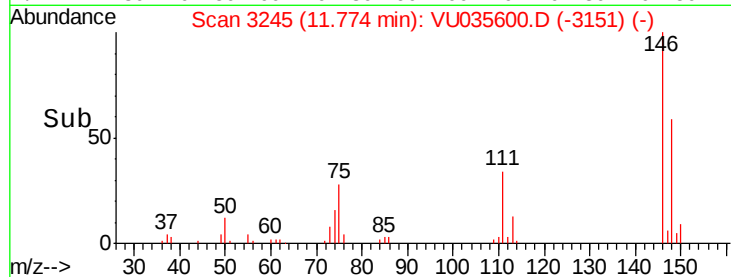
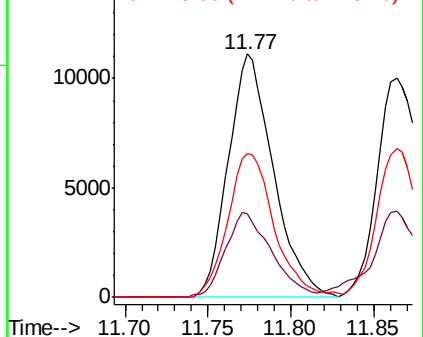
#62
 1,3-Dichlorobenzene
 Concen: 0.520 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD0.502

Tgt Ion:146 Resp: 21015
 Ion Ratio Lower Upper
 146 100
 111 34.4 26.7 49.5
 148 59.2 44.5 82.7

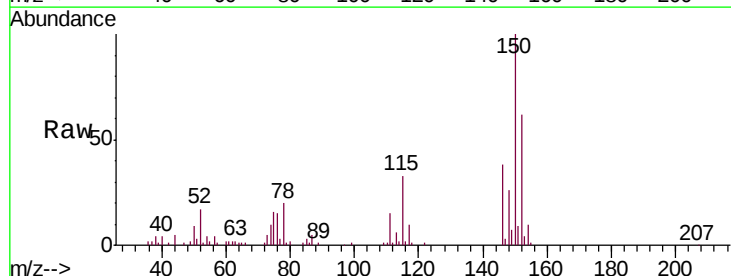


Abundance Ion 145.95 (145.65 to 146.65): V
 15000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

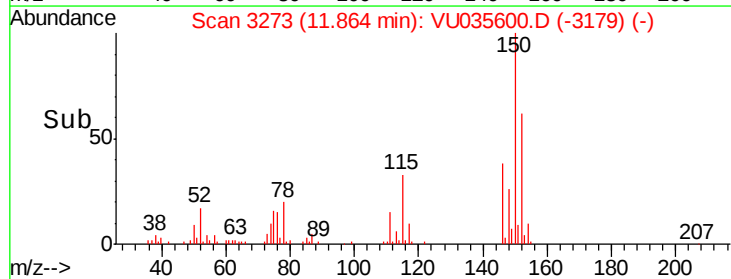
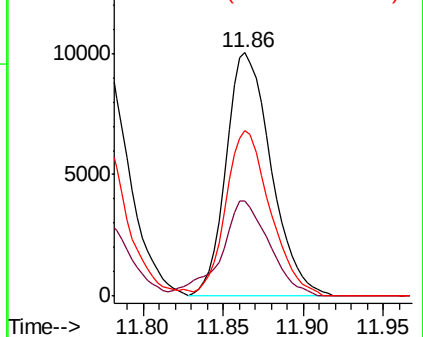


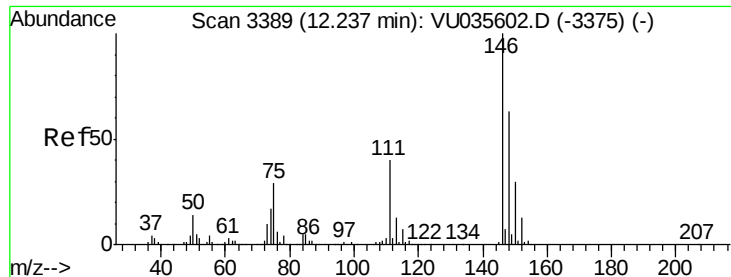
#63
 1,4-Dichlorobenzene
 Concen: 0.481 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Tgt Ion:146 Resp: 19310
 Ion Ratio Lower Upper
 146 100
 111 39.3 25.9 48.1
 148 68.0 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V
 10000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

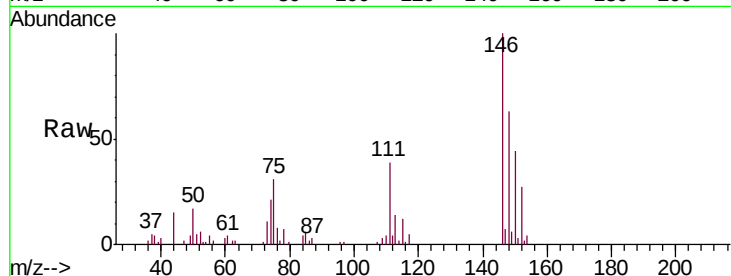




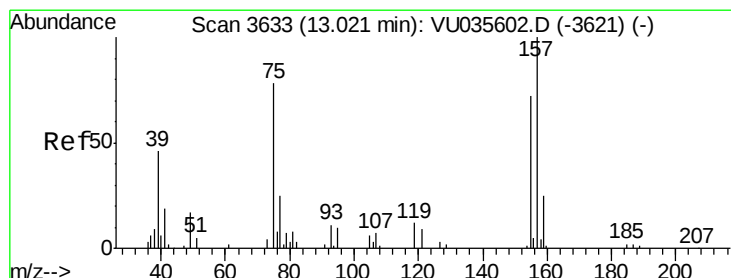
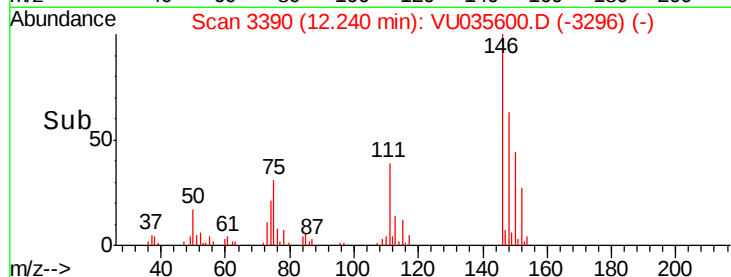
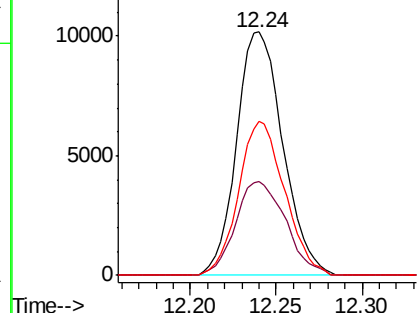
#65
 1,2-Dichlorobenzene
 Concen: 0.491 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 146 Resp: 19102
 Ion Ratio Lower Upper
 146 100
 111 38.6 32.2 48.4
 148 63.3 50.7 76.1

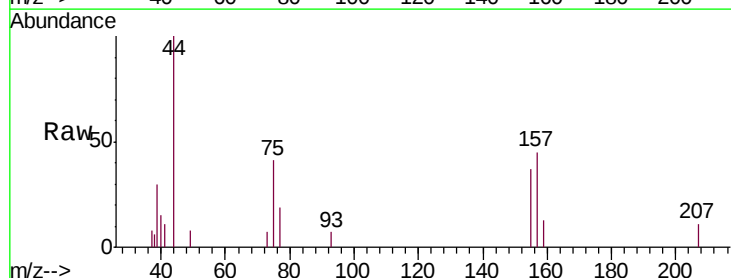


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

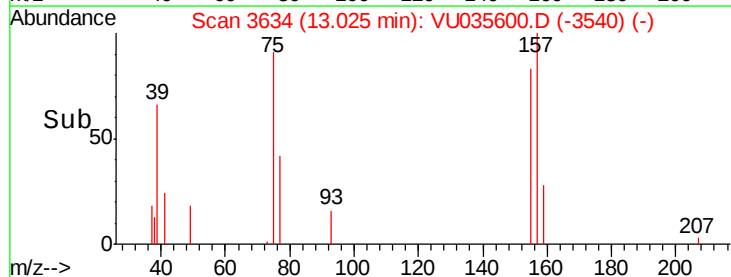
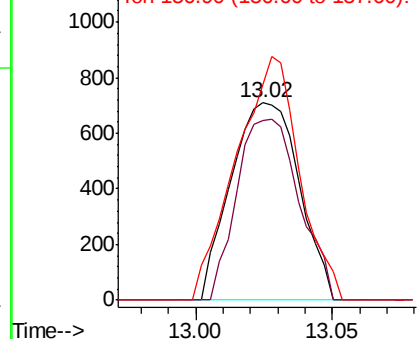


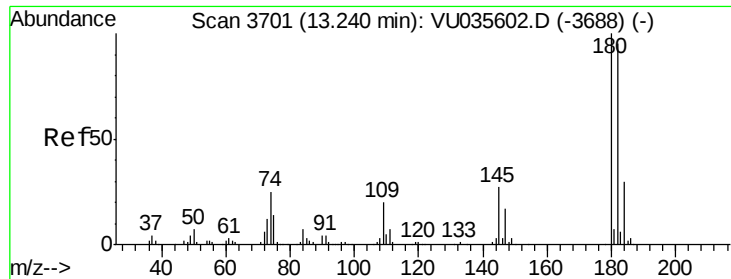
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.482 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Tgt Ion: 75 Resp: 1233
 Ion Ratio Lower Upper
 75 100
 155 90.8 73.3 109.9
 157 109.4 102.2 153.4



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

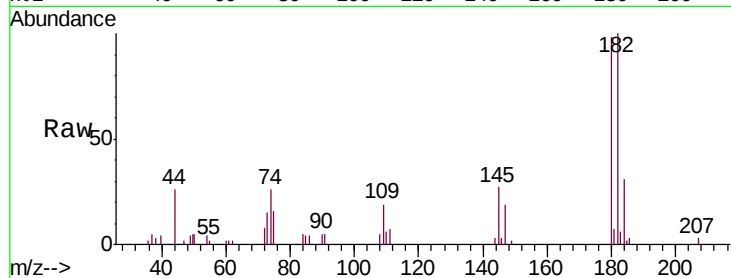




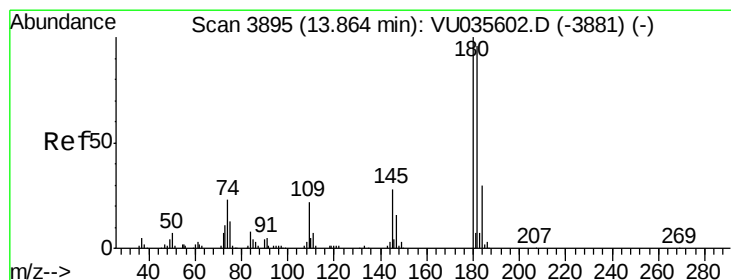
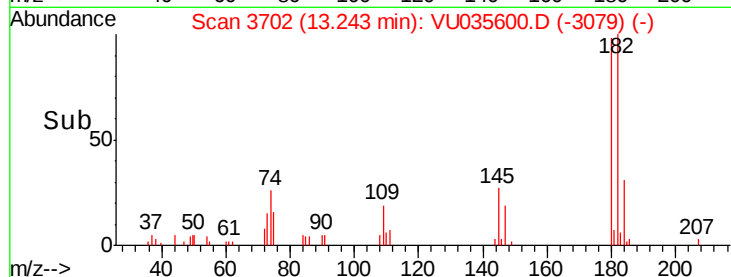
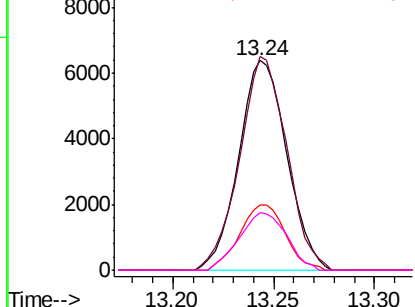
#67
 1,3,5-Trichlorobenzene
 Concen: 0.426 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:	180	Resp:	10669
Ion	Ratio	Lower	Upper
180	100		
182	99.8	75.9	113.9
184	29.8	24.1	36.1
145	27.1	21.5	32.3

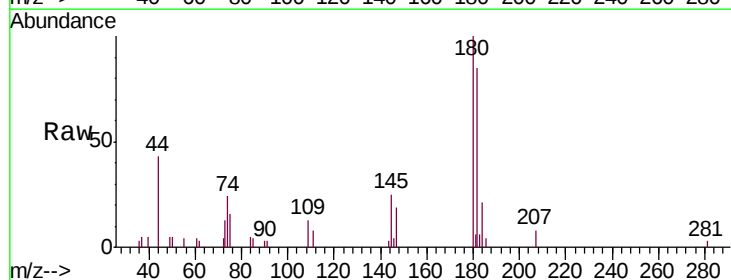


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

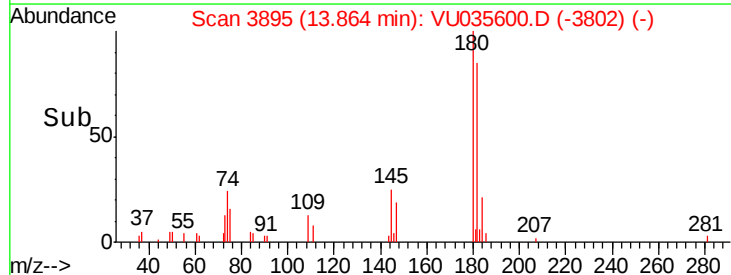
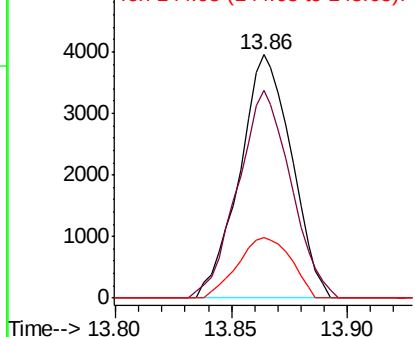


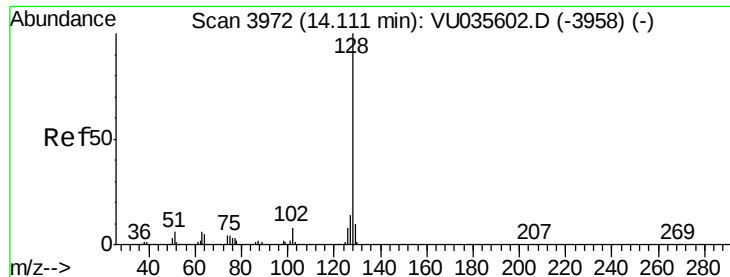
#68
 1,2,4-trichlorobenzene
 Concen: 0.439 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035600.D
 Acq: 04 Nov 2019 10:32

Tgt Ion:	180	Resp:	6142
Ion	Ratio	Lower	Upper
180	100		
182	86.9	77.4	116.2
145	25.6	22.2	33.4



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: 0.393 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

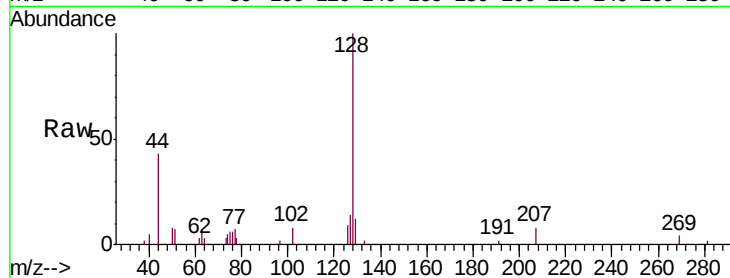
Tgt Ion:128 Resp: 7436

Ion Ratio Lower Upper

128 100

129 12.2 8.1 12.1#

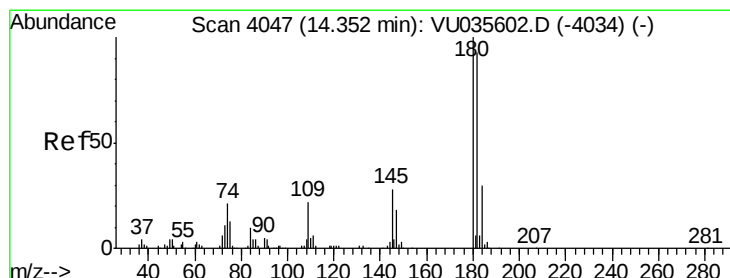
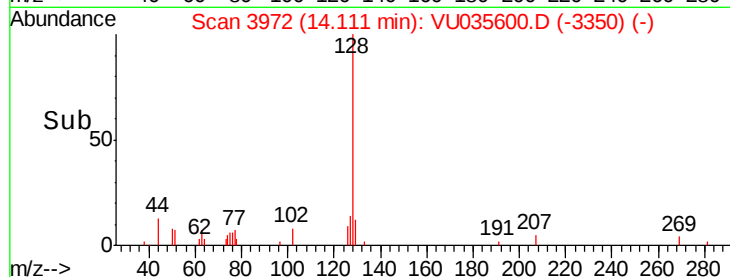
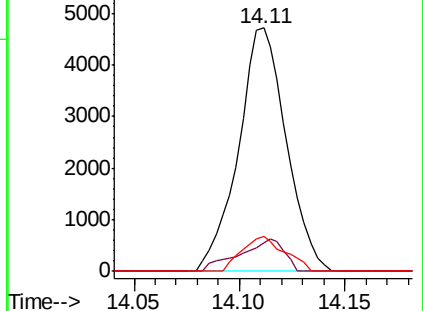
127 12.7 11.0 16.4



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: 0.452 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035600.D

Acq: 04 Nov 2019 10:32

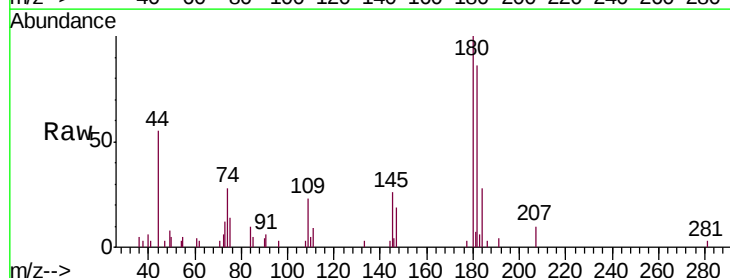
Tgt Ion:180 Resp: 6252

Ion Ratio Lower Upper

180 100

182 85.6 74.8 112.2

145 25.2 23.6 35.4



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

