

Data File : VU039281.D
Acq On : 06 Jul 2020 10:33
Operator : SY/MD
Sample : VSTD00506
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Quant Time: Jul 06 10:55:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 06 09:39:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	139298	5.00	ug/L	-0.02
28) Chlorobenzene-d5	9.42	117	132098	5.00	ug/L	-0.02
60) 1,4-Dichlorobenzene-d4	11.81	152	63595	5.00	ug/L	-0.01

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	52433	5.28	ug/L	0.00
7) Chloroethane-d5	1.93	69	47719	5.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	96575	4.87	ug/L	-0.01
20) 2-Butanone-d5	4.65	46	192249	59.54	ug/L	-0.03
24) Chloroform-d	5.08	84	99062	4.83	ug/L	-0.02
26) 1,2-Dichloroethane-d4	5.72	65	59698	5.08	ug/L	-0.02
32) Benzene-d6	5.74	84	199543	6.42	ug/L	-0.02
36) 1,2-Dichloropropane-d6	6.71	67	64500	6.50	ug/L	-0.01
41) Toluene-d8	7.91	98	179852	6.28	ug/L	-0.02
43) trans-1,3-Dichloropropene-	8.19	79	29888	5.94	ug/L	-0.02
46) 2-Hexanone-d5	8.64	63	155073	61.30	ug/L	-0.01
57) 1,1,2,2-Tetrachloroethane-	10.76	84	59665	5.88	ug/L	-0.01
64) 1,2-Dichlorobenzene-d4	12.19	152	67371	6.06	ug/L	-0.02

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	38896	3.194 ug/L	98
3) Chloromethane	1.53	50	48771	3.664 ug/L	95
5) Vinyl chloride	1.61	62	49736	3.783 ug/L	92
6) Bromomethane	1.87	94	30966	3.845 ug/L	100
8) Chloroethane	1.94	64	34320	3.902 ug/L	94
9) Trichlorofluoromethane	2.15	101	81740	4.073 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	38521	3.919 ug/L	97
12) 1,1-Dichloroethene	2.59	96	37775	4.161 ug/L	91
13) Acetone	2.66	43	90578	39.055 ug/L	98
14) Carbon disulfide	2.81	76	122791	4.187 ug/L	99
15) Methyl Acetate	2.97	43	24453	4.638 ug/L	93
16) Methylene chloride	3.06	84	45740	3.942 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	125547	4.225 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	41705	4.025 ug/L	94
19) 1,1-Dichloroethane	3.89	63	84735	4.049 ug/L	99
21) 2-Butanone	4.74	43	168131	45.613 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	47005	4.405 ug/L	96
23) Bromochloromethane	5.00	128	22606	4.357 ug/L	86
25) Chloroform	5.11	83	86425	3.988 ug/L	99
27) 1,2-Dichloroethane	5.81	62	61112	4.012 ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	74335	4.506 ug/L	98
30) Cyclohexane	5.41	56	75139	5.095 ug/L	93
31) Carbon tetrachloride	5.54	117	62343	4.541 ug/L	100
33) Benzene	5.79	78	181805	4.855 ug/L	100
34) Trichloroethene	6.56	95	46773	4.828 ug/L	96
35) Methylcyclohexane	6.78	83	76346	5.322 ug/L	96
37) 1,2-Dichloropropane	6.81	63	51031	5.152 ug/L #	97
38) Bromodichloromethane	7.12	83	65781	4.891 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	77803	5.029 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	419296	51.893 ug/L #	95

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	197867	4.707	ug/L	94
44) trans-1,3-Dichloropropene	8.22	75	71701	4.702	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	37857	4.572	ug/L	97
47) Tetrachloroethene	8.56	164	33036	4.574	ug/L	95
48) 2-Hexanone	8.69	43	305897	46.488	ug/L #	97
49) Dibromochloromethane	8.82	129	46241	4.977	ug/L	100
50) 1,2-Dibromoethane	8.93	107	37172	4.734	ug/L	97
51) Chlorobenzene	9.45	112	120792	4.520	ug/L	98
52) Ethylbenzene	9.57	91	220508	4.889	ug/L	98
53) m,p-Xylene	9.70	106	82213	4.982	ug/L	95
54) o-Xylene	10.10	106	80719	5.092	ug/L	96
55) Styrene	10.11	104	137344	4.915	ug/L	99
56) Isopropylbenzene	10.48	105	215066	5.101	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	51476	4.703	ug/L	98
59) 1,2,3-Trichloropropane	10.83	75	36646	4.476	ug/L	97
61) Bromoform	10.29	173	27792	5.332	ug/L #	98
62) 1,3-Dichlorobenzene	11.74	146	98342	4.914	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	96192	4.834	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	96504	4.826	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10029	4.980	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	75185	5.051	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	65068	5.178	ug/L	99
69) Naphthalene	14.08	128	124258	5.498	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	58080	4.969	ug/L	98

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

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MSVOA_U
ClientSampleId :
VSTD00506

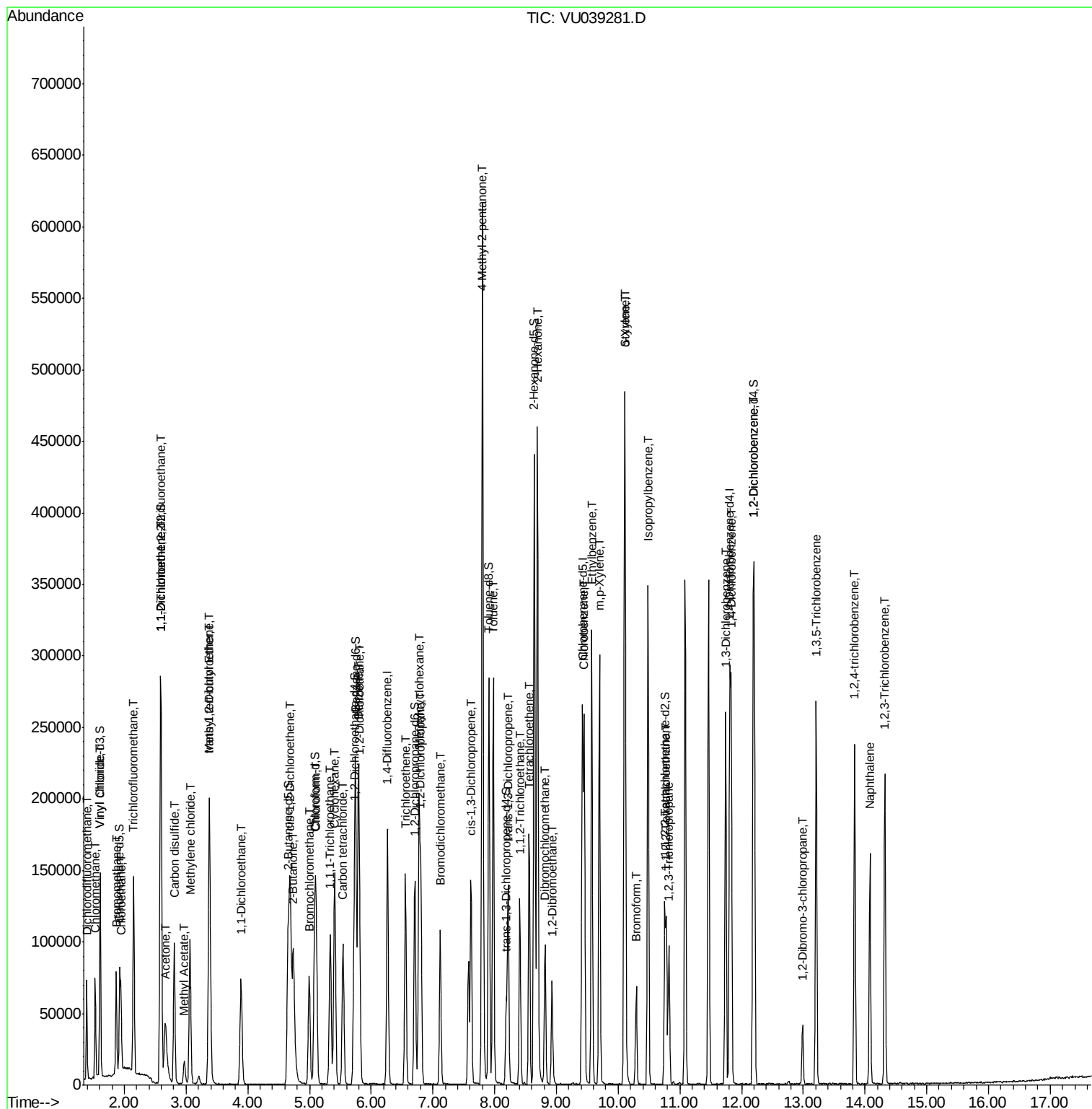
Quant Time: Jul 06 10:55:35 2020

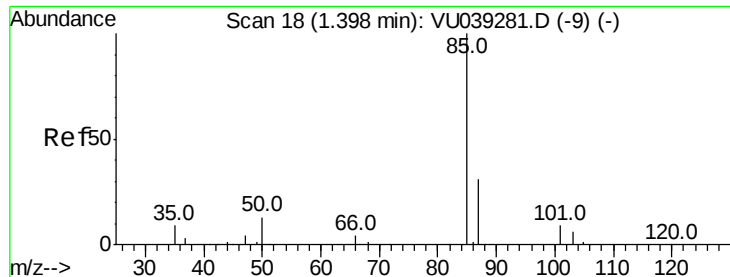
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR070620WMA.M

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#2

Dichlorodifluoromethane

Concen: 3.194 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

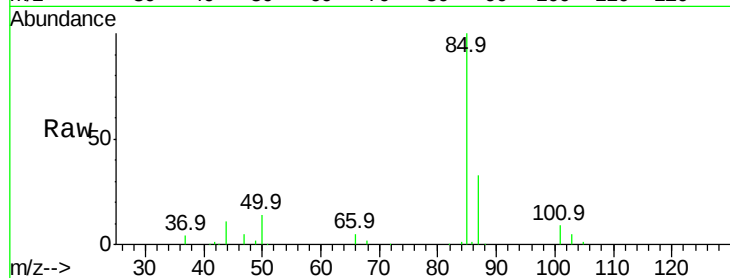
VSTD00506

Tgt Ion: 85 Resp: 38896

Ion Ratio Lower Upper

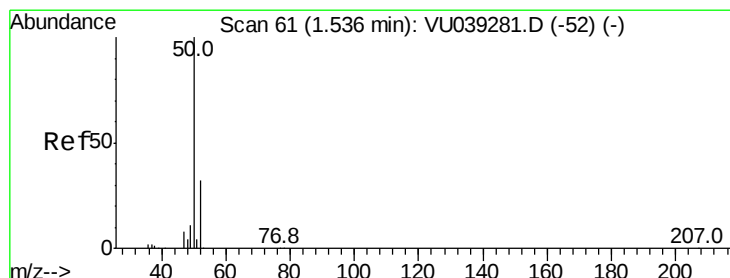
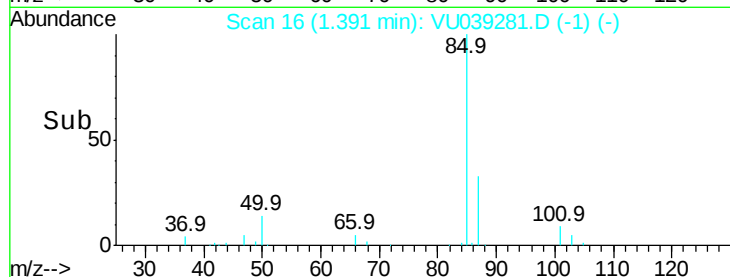
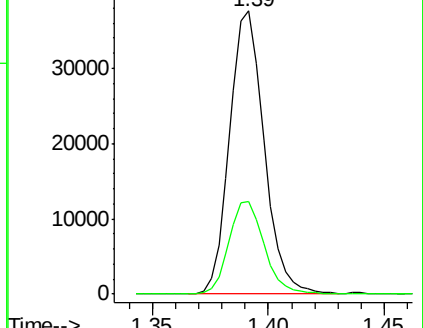
85 100

87 33.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU039281.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039281.D (-9) (-)



#3

Chloromethane

Concen: 3.664 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.01 min

Lab File: VU039281.D

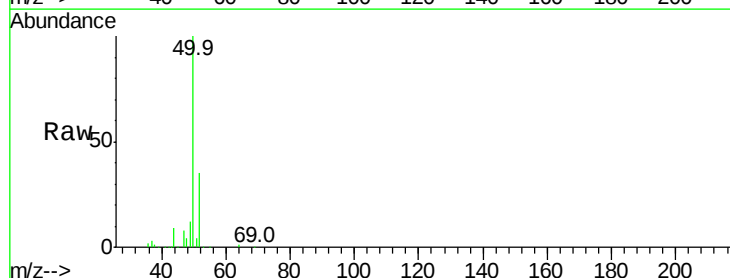
Acq: 06 Jul 2020 10:33

Tgt Ion: 50 Resp: 48771

Ion Ratio Lower Upper

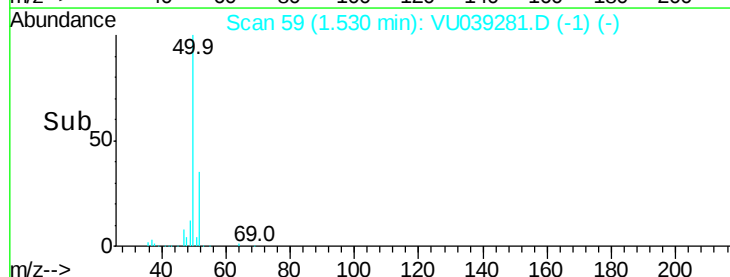
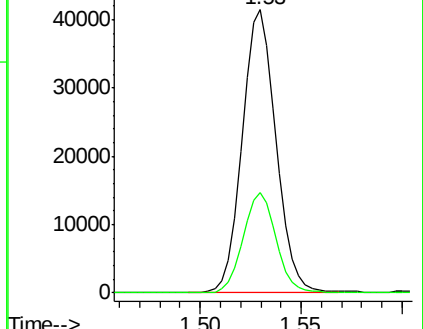
50 100

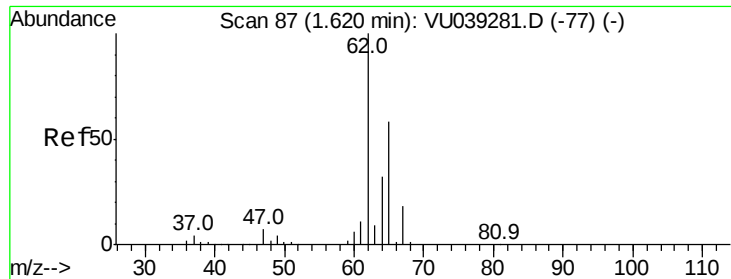
52 35.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039281.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU039281.D (-52) (-)





#5

Vinyl chloride

Concen: 3.783 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

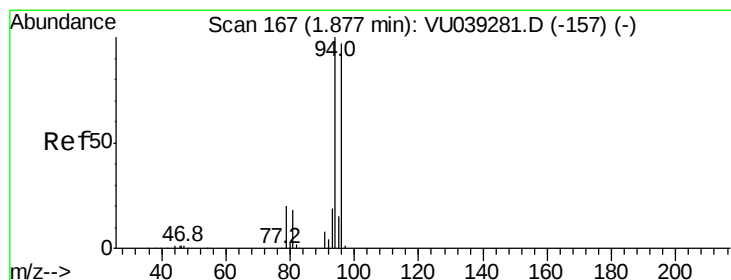
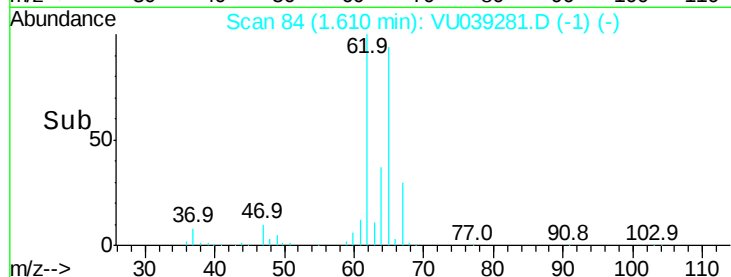
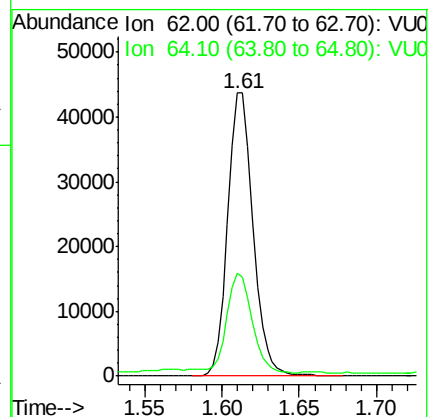
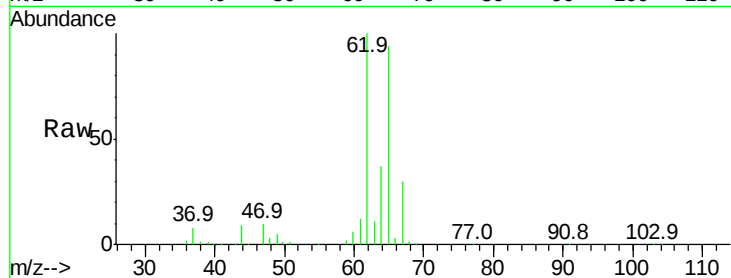
VSTD00506

Tgt Ion: 62 Resp: 49736

Ion Ratio Lower Upper

62 100

64 36.5 22.5 41.9



#6

Bromomethane

Concen: 3.845 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU039281.D

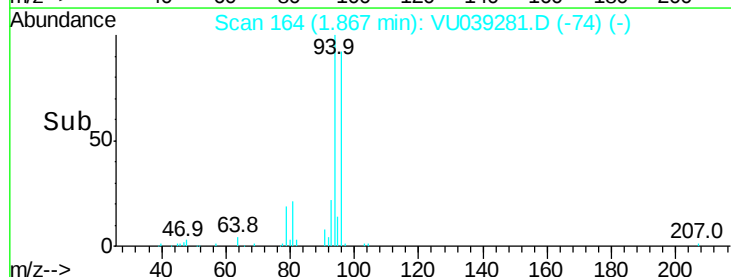
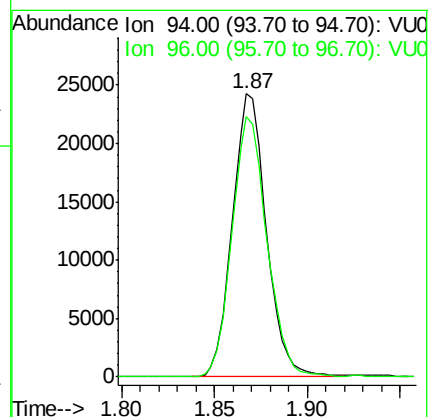
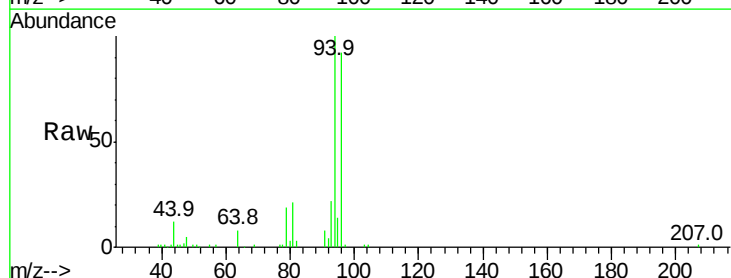
Acq: 06 Jul 2020 10:33

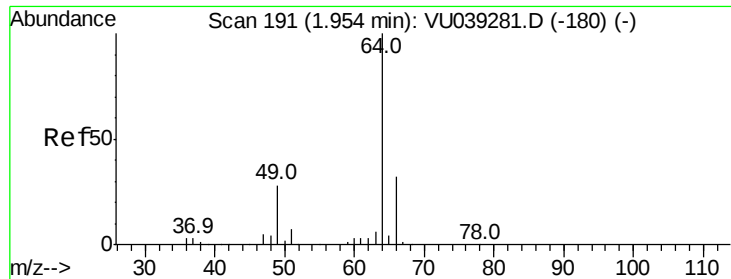
Tgt Ion: 94 Resp: 30966

Ion Ratio Lower Upper

94 100

96 91.9 64.3 119.5





#8

Chloroethane

Concen: 3.902 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

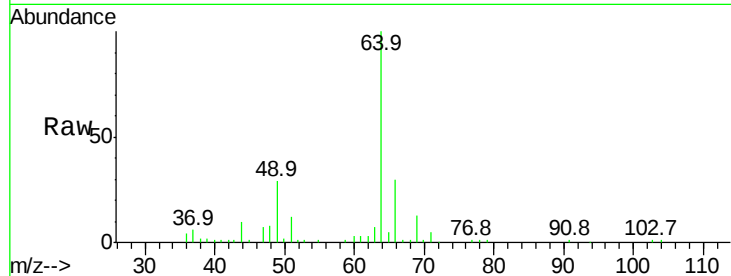
VSTD00506

Tgt Ion: 64 Resp: 34320

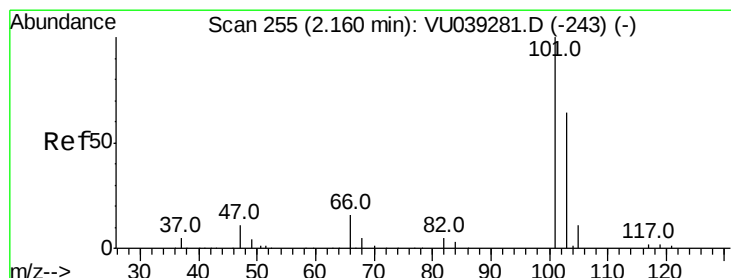
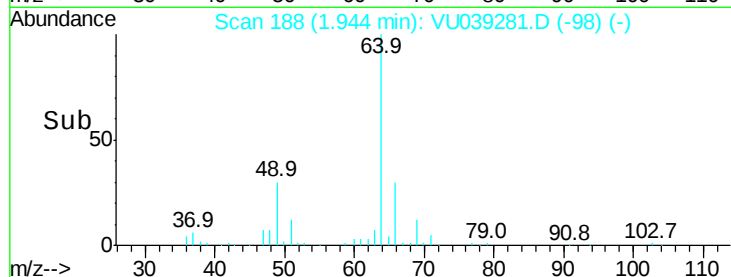
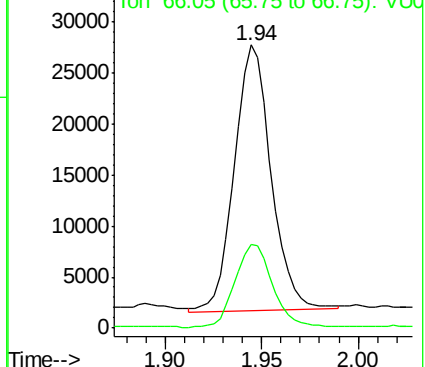
Ion Ratio Lower Upper

64 100

66 29.6 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VU039281.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.073 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.01 min

Lab File: VU039281.D

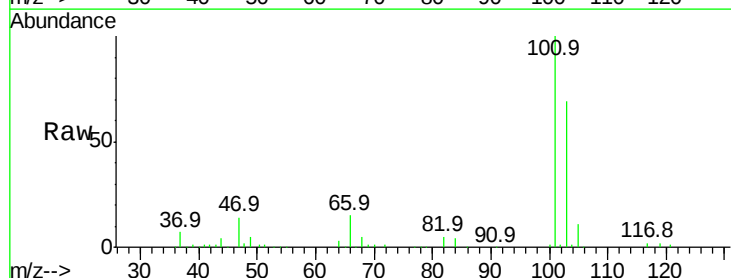
Acq: 06 Jul 2020 10:33

Tgt Ion: 101 Resp: 81740

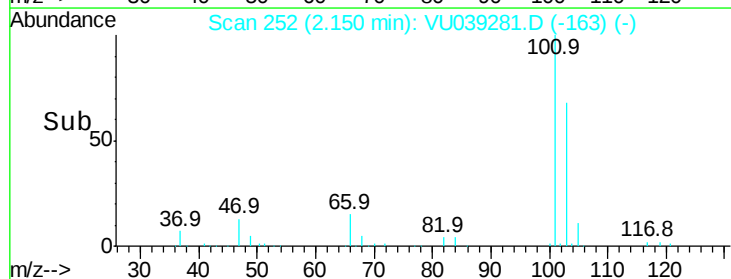
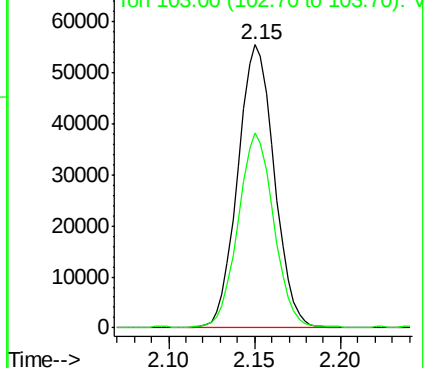
Ion Ratio Lower Upper

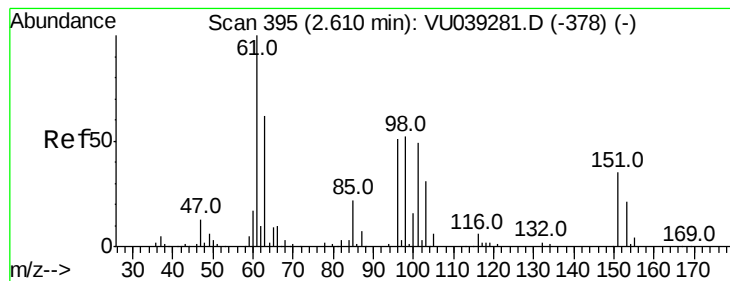
101 100

103 66.8 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU039281.D (-243) (-)





#10

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

Concen: 3.919 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

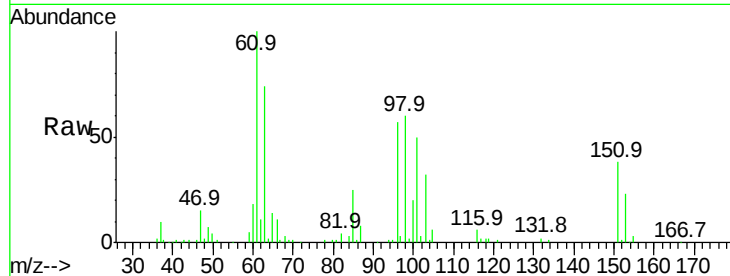
Tgt Ion: 101 Resp: 38521

Ion Ratio Lower Upper

101 100

85 48.0 37.1 55.7

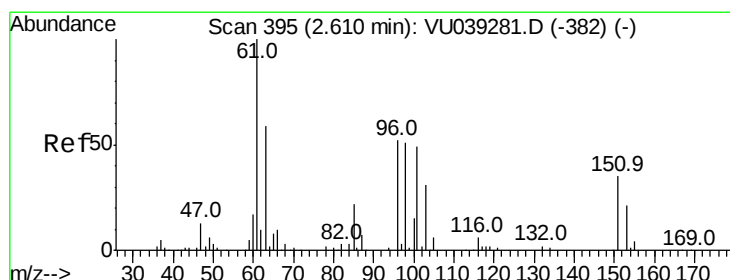
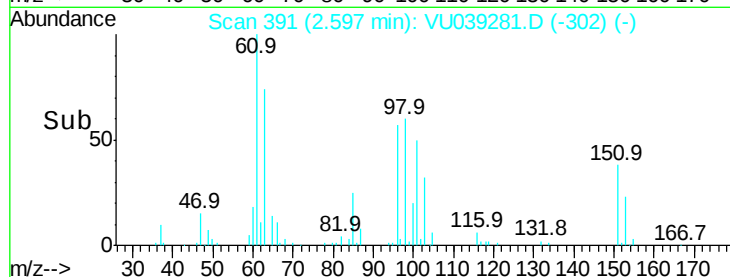
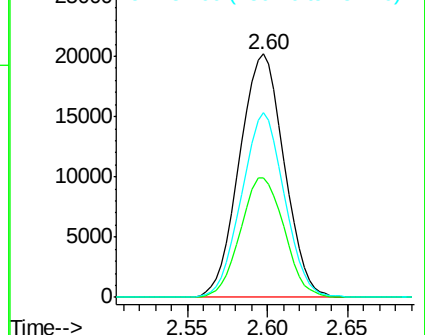
151 72.9 60.1 90.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.161 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

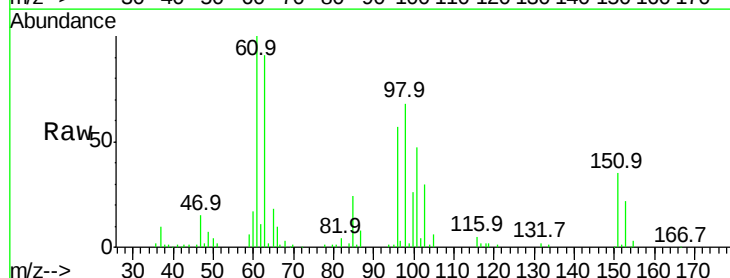
Tgt Ion: 96 Resp: 37775

Ion Ratio Lower Upper

96 100

61 176.9 125.9 233.9

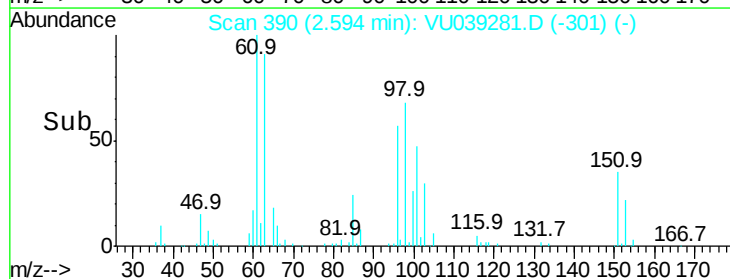
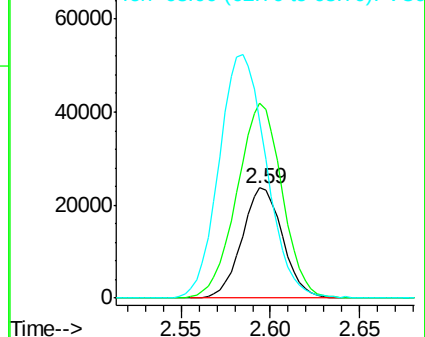
63 160.2 96.5 179.3

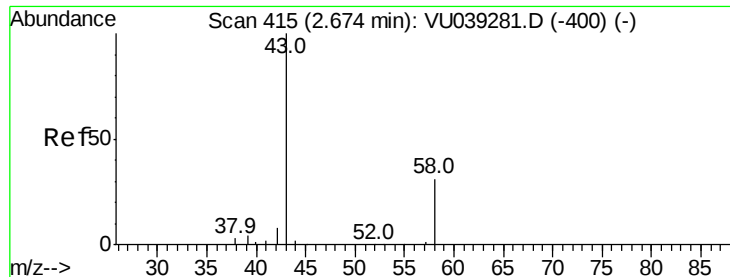


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.055 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU039281.D

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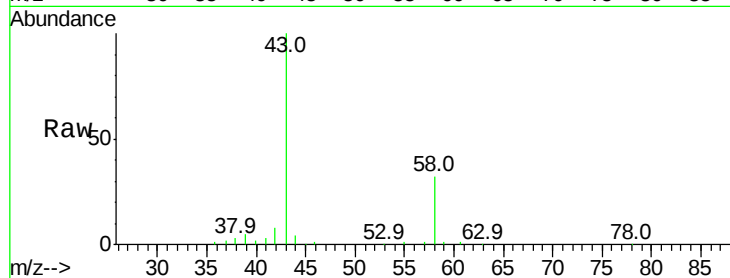
VSTD00506

Tgt Ion: 43 Resp: 90578

Ion Ratio Lower Upper

43 100

58 31.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039281.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU039281.D (-400) (-)

2.66

25000

20000

15000

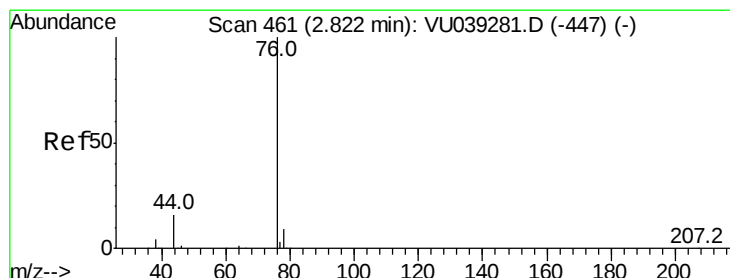
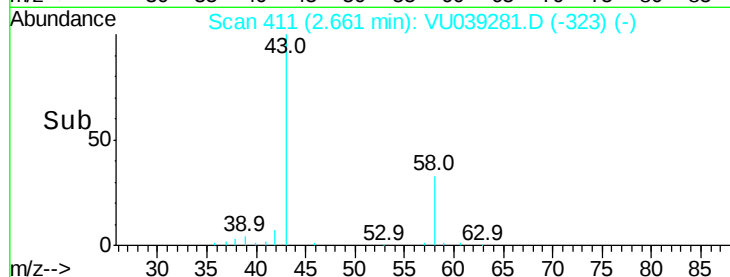
10000

5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.187 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.01 min

Lab File: VU039281.D

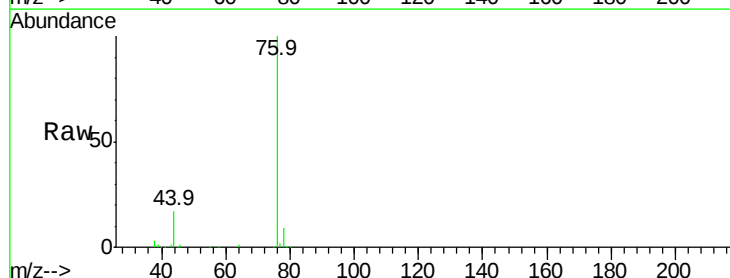
Acq: 06 Jul 2020 10:33

Tgt Ion: 76 Resp: 122791

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039281.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU039281.D (-447) (-)

2.81

80000

60000

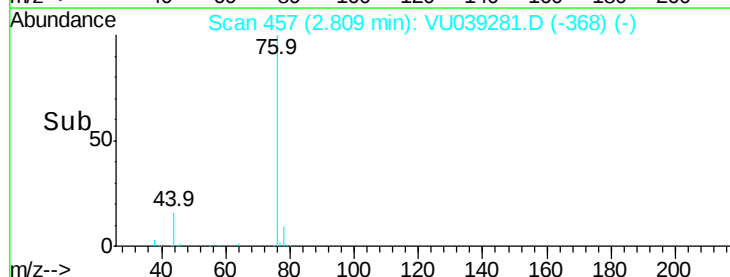
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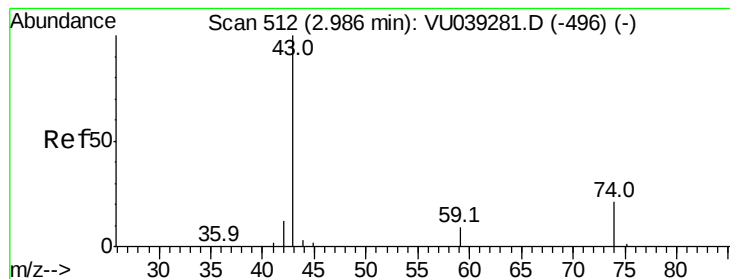
20000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 4.638 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.02 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

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ClientSampleId :

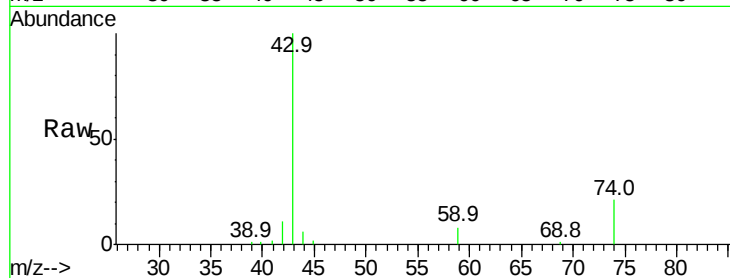
VSTD00506

Tgt Ion: 43 Resp: 24453

Ion Ratio Lower Upper

43 100

74 21.9 20.5 30.7



Abundance Ion 43.05 (42.75 to 43.75): VU039281.D (-507) (-)

Ion 74.05 (73.75 to 74.75): VU039281.D (-507) (-)

2.97

12000

10000

8000

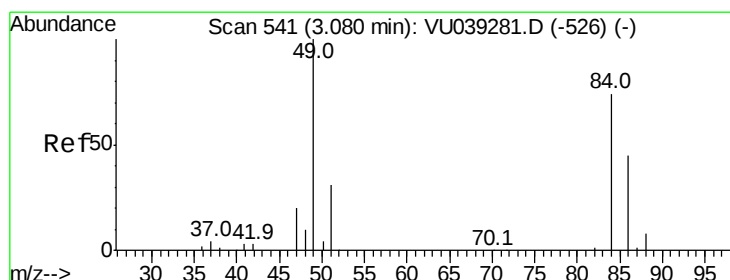
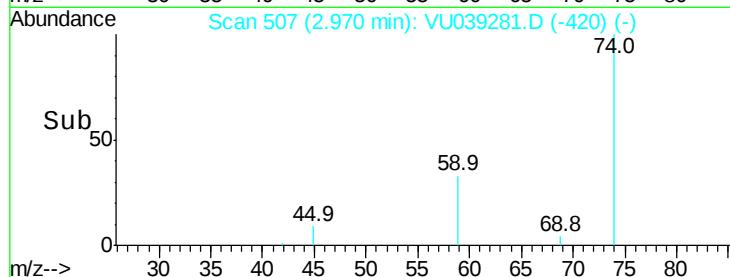
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 3.942 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.02 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

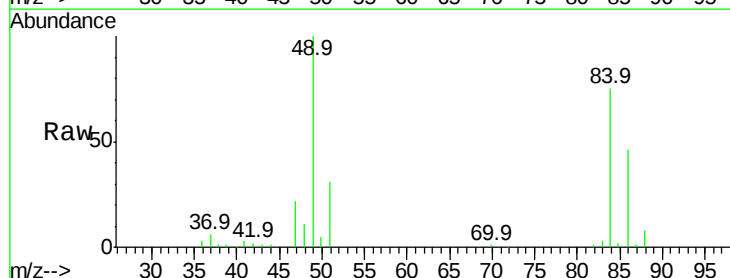
Tgt Ion: 84 Resp: 45740

Ion Ratio Lower Upper

84 100

86 60.8 43.6 81.0

49 132.9 85.2 158.2



Abundance Ion 84.05 (83.75 to 84.75): VU039281.D (-536) (-)

Ion 86.00 (85.70 to 86.70): VU039281.D (-536) (-)

Ion 49.10 (48.80 to 49.80): VU039281.D (-536) (-)

3.06

40000

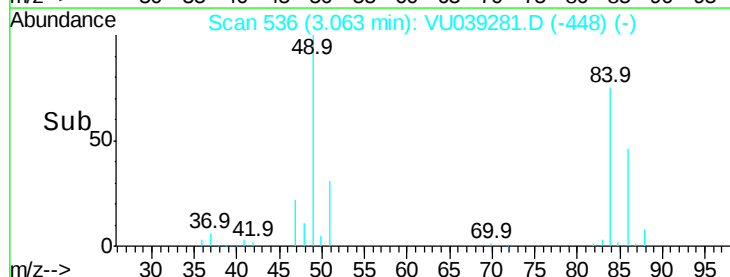
30000

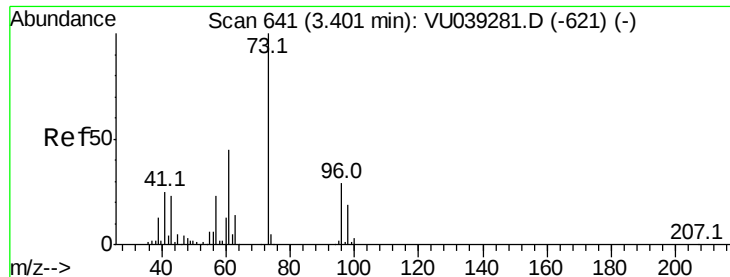
20000

10000

0

Time-->

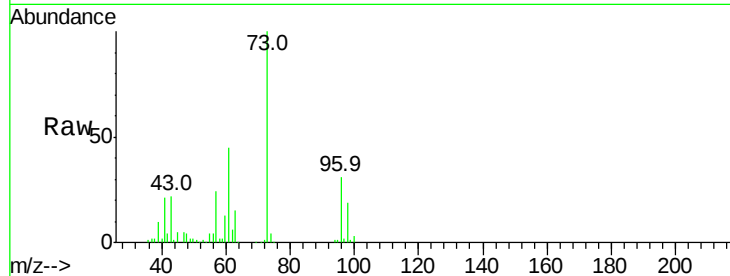




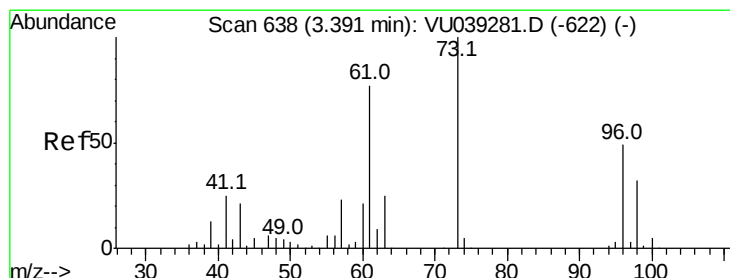
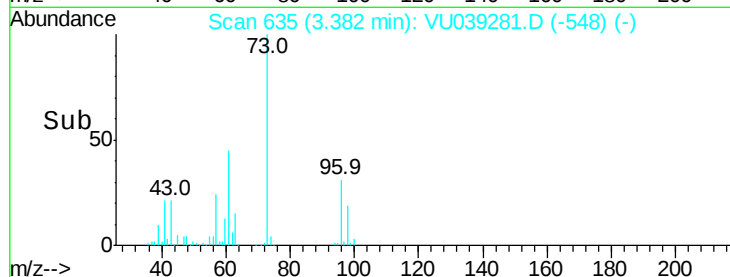
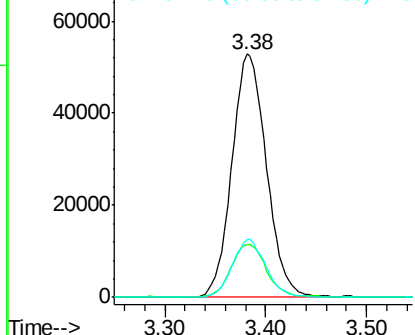
#17
Methyl tert-butyl Ether
Concen: 4.225 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.02 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion: 73 Resp: 125547
Ion Ratio Lower Upper
73 100
43 21.9 18.2 27.2
57 23.2 17.2 25.8

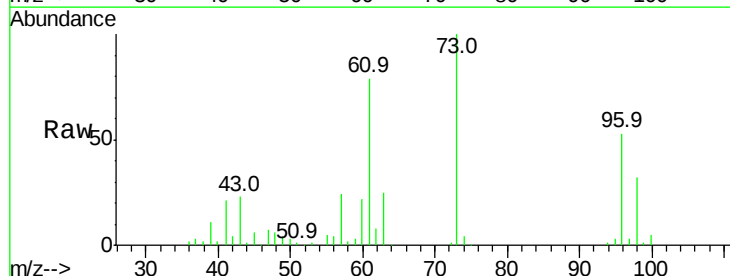


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

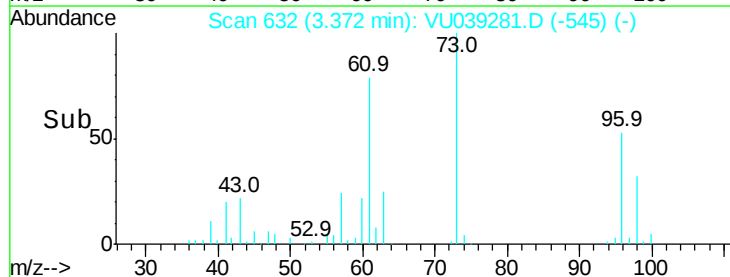
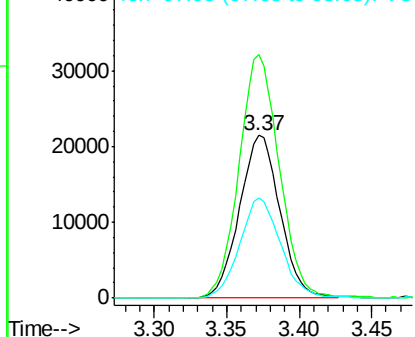


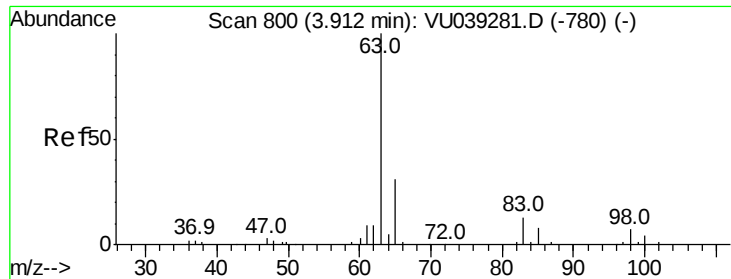
#18
trans-1,2-Dichloroethene
Concen: 4.025 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.02 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

Tgt Ion: 96 Resp: 41705
Ion Ratio Lower Upper
96 100
61 149.6 98.3 182.5
98 61.6 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

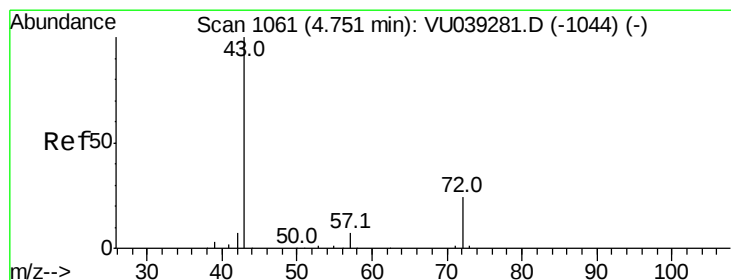
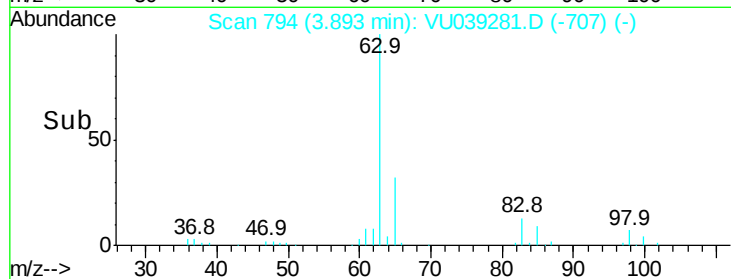
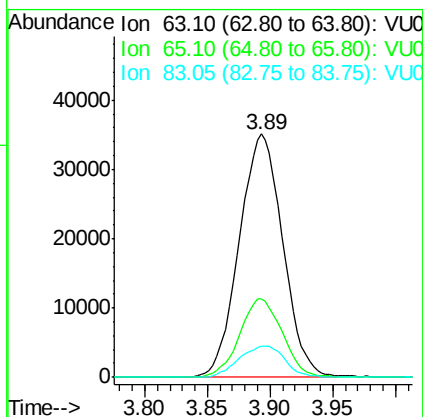
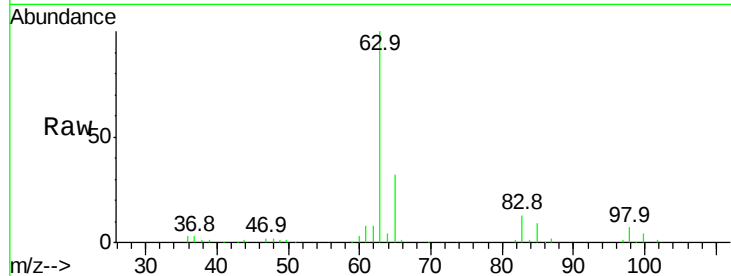




#19
 1,1-Dichloroethane
 Concen: 4.049 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. -0.02 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

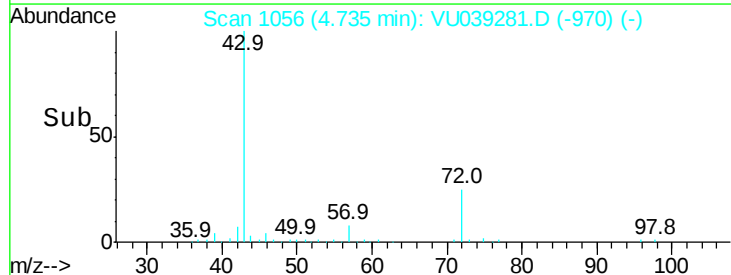
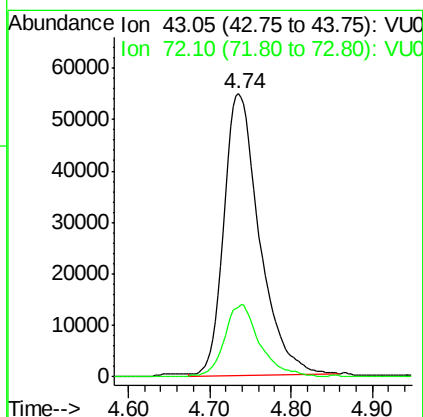
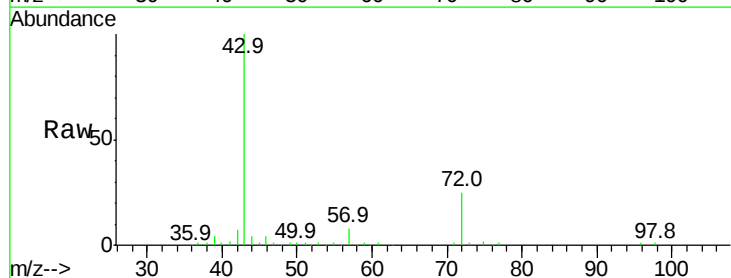
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

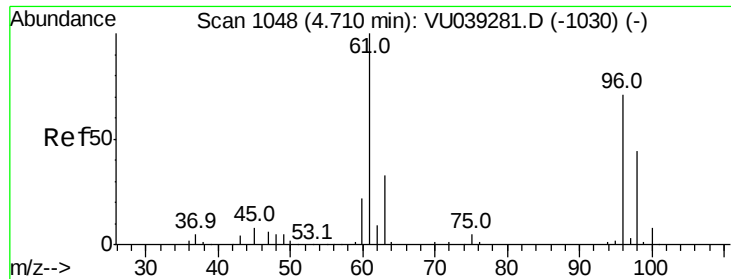
Tgt Ion: 63 Resp: 84735
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.0 42.8
 83 13.0 9.3 17.3



#21
 2-Butanone
 Concen: 45.613 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.02 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

Tgt Ion: 43 Resp: 168131
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 4.405 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.02 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

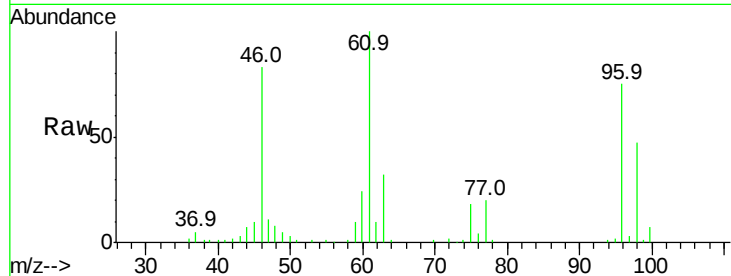
Tgt Ion: 96 Resp: 47005

Ion Ratio Lower Upper

96 100

61 133.8 97.3 180.7

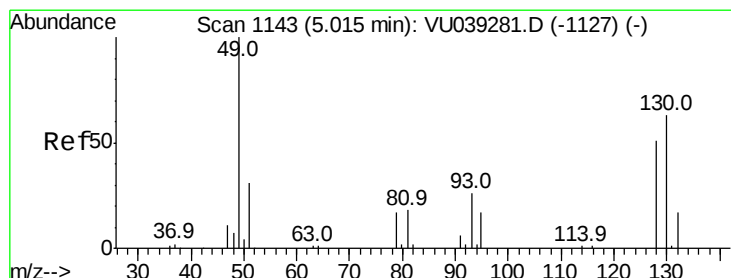
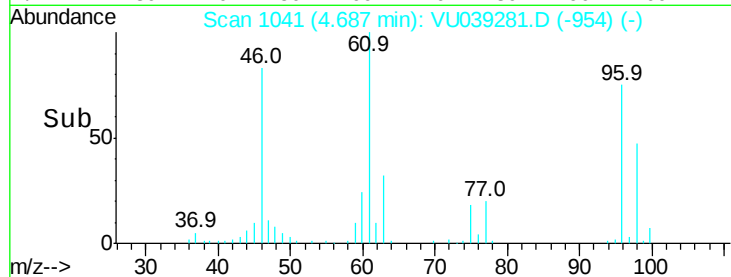
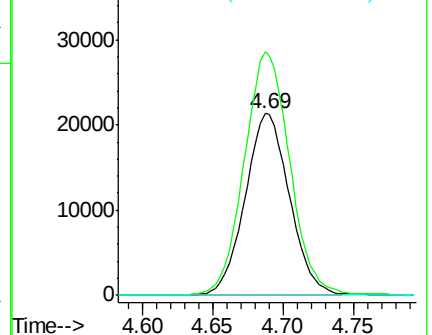
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039281.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU039281.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU039281.D (-1030) (-)



#23

Bromochloromethane

Concen: 4.357 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Tgt Ion: 128 Resp: 22606

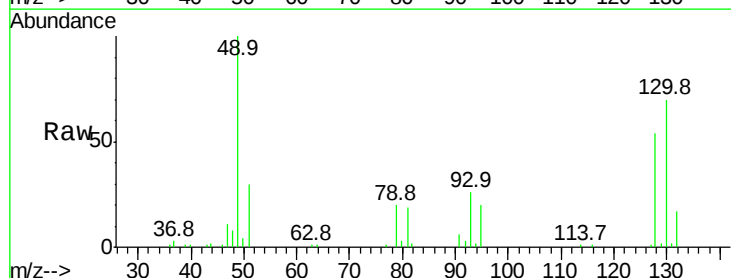
Ion Ratio Lower Upper

128 100

49 183.8 106.8 198.4

130 128.1 87.2 161.9

51 54.4 38.9 58.3

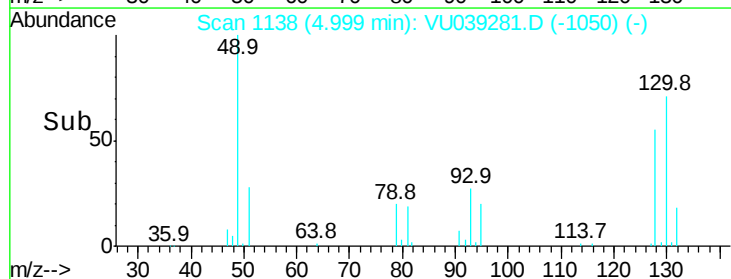
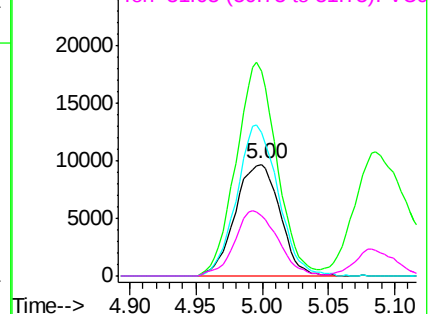


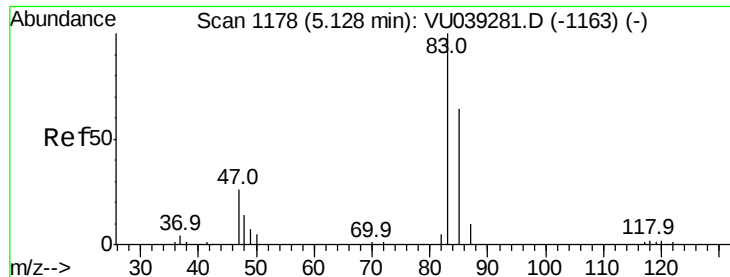
Abundance Ion 127.90 (127.60 to 128.60): VU039281.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU039281.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU039281.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU039281.D (-1050) (-)

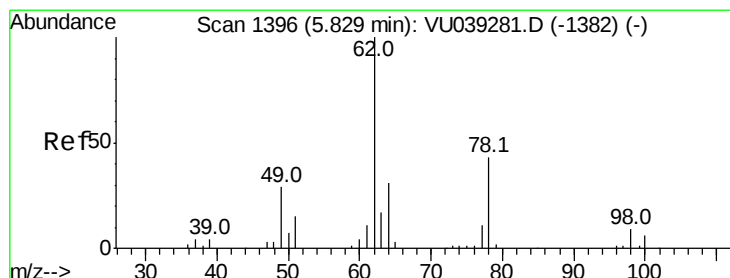
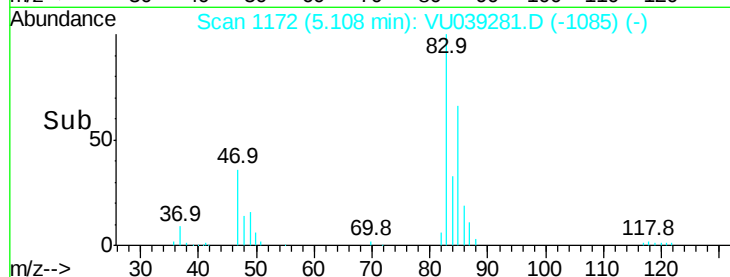
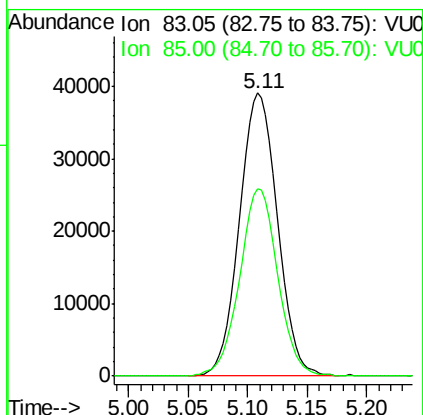
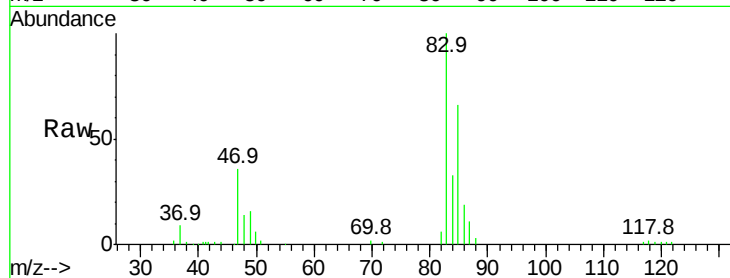




#25
Chloroform
Concen: 3.988 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

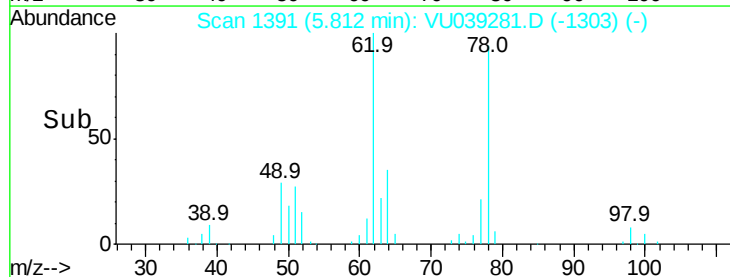
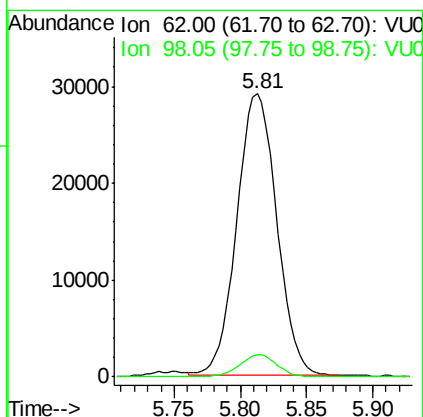
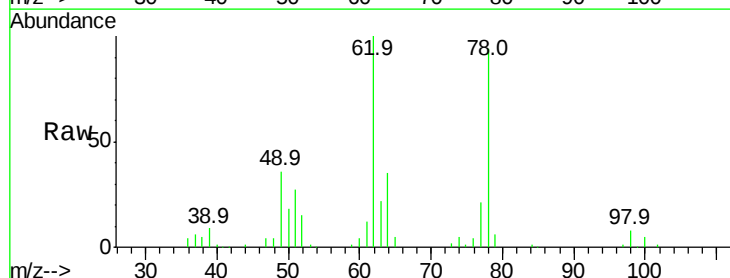
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

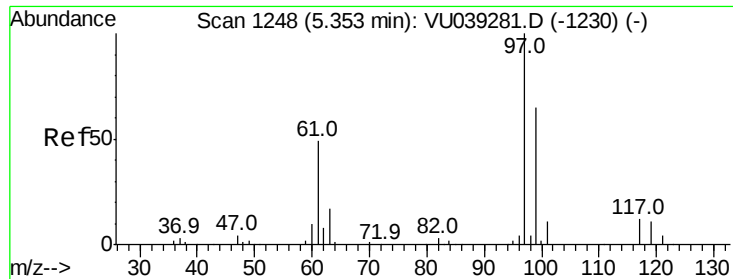
Tgt Ion: 83 Resp: 86425
Ion Ratio Lower Upper
83 100
85 66.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.012 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.02 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

Tgt Ion: 62 Resp: 61112
Ion Ratio Lower Upper
62 100
98 7.8 6.6 9.8

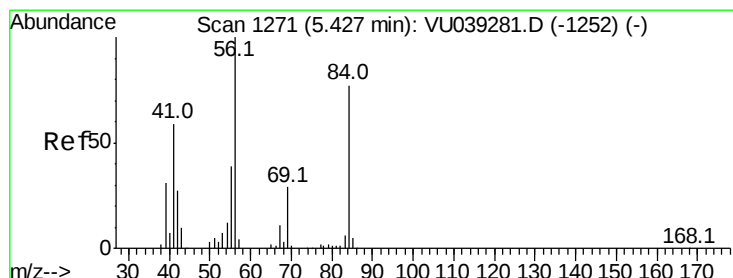
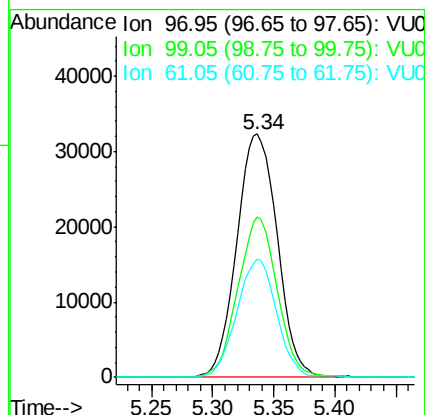
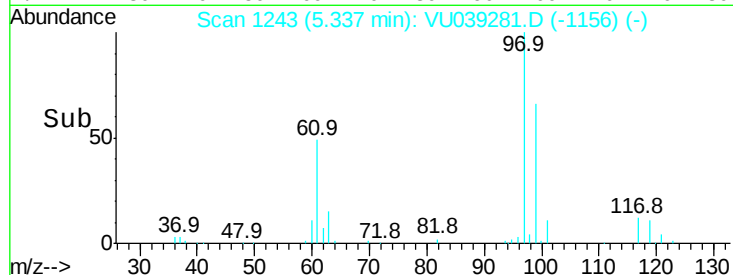
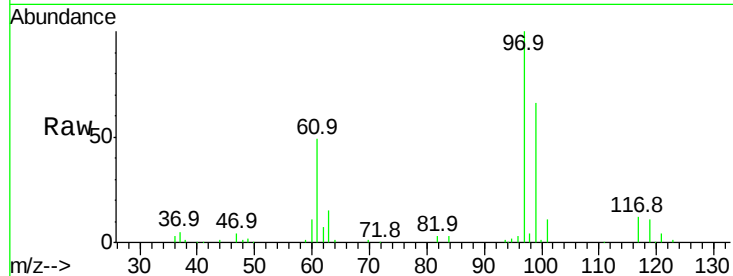




#29
 1,1,1-Trichloroethane
 Concen: 4.506 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

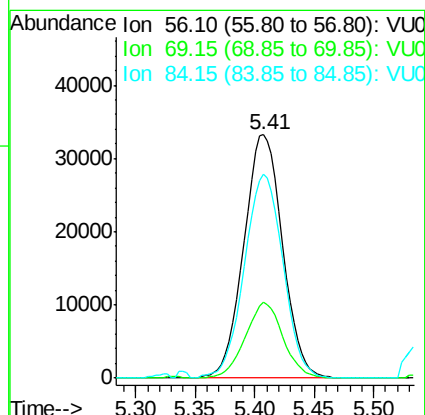
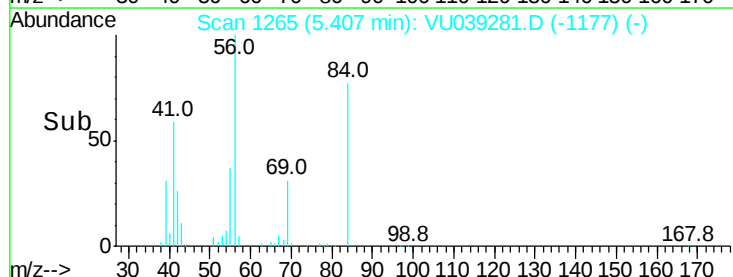
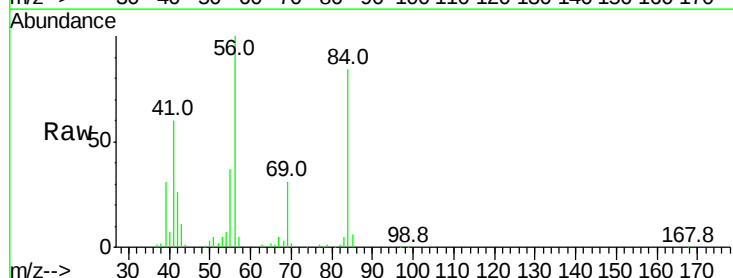
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

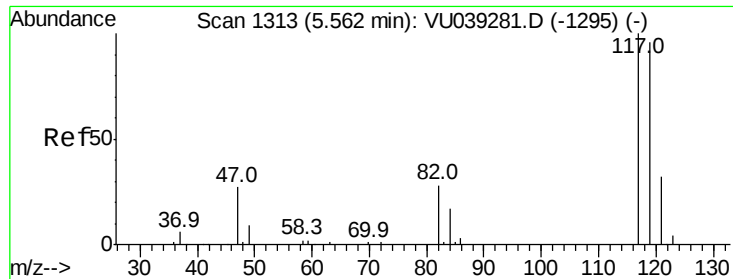
Tgt Ion: 97 Resp: 74335
 Ion Ratio Lower Upper
 97 100
 99 63.9 49.6 74.4
 61 47.4 36.8 55.2



#30
 Cyclohexane
 Concen: 5.095 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

Tgt Ion: 56 Resp: 75139
 Ion Ratio Lower Upper
 56 100
 69 30.3 26.0 39.0
 84 83.7 73.3 109.9

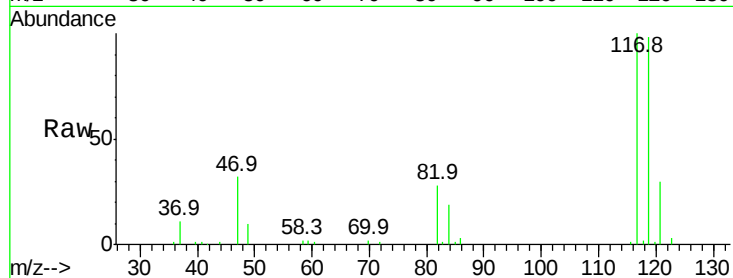




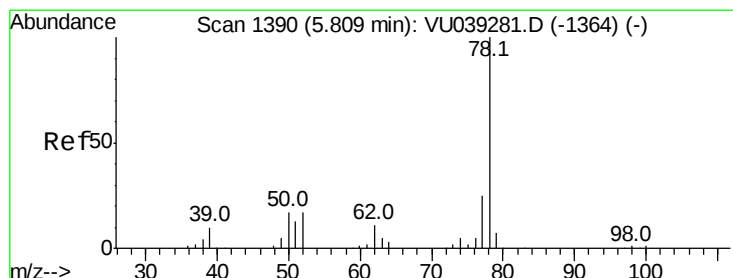
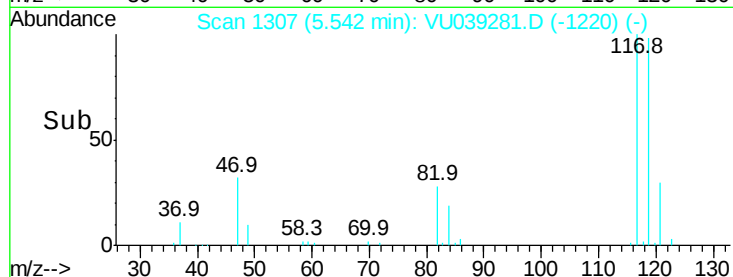
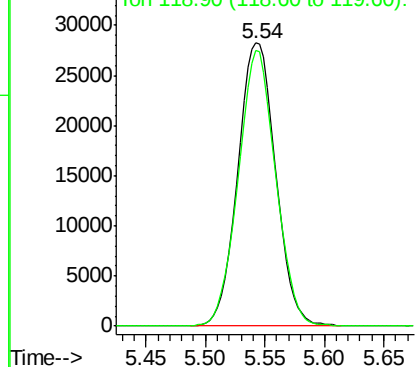
#31
Carbon tetrachloride
Concen: 4.541 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.02 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

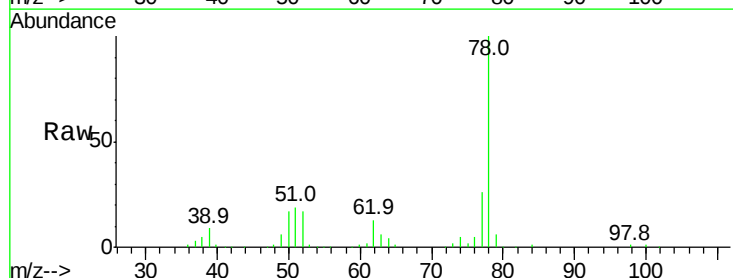
Tgt Ion:117 Resp: 62343
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4



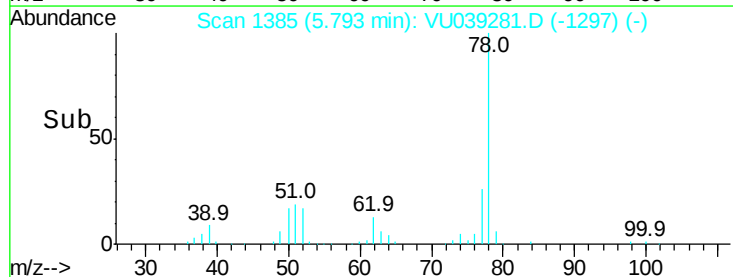
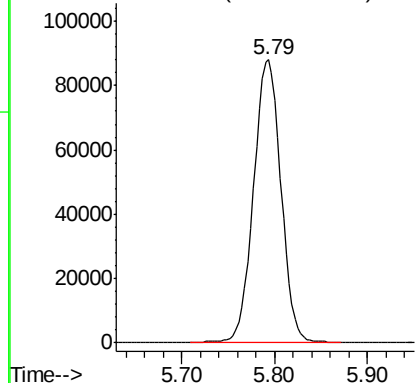
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

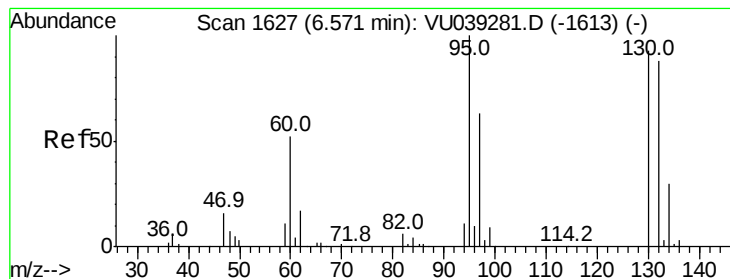


#33
Benzene
Concen: 4.855 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.02 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33
Tgt Ion: 78 Resp: 181805



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.828 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.02 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tgt Ion: 95 Resp: 46773

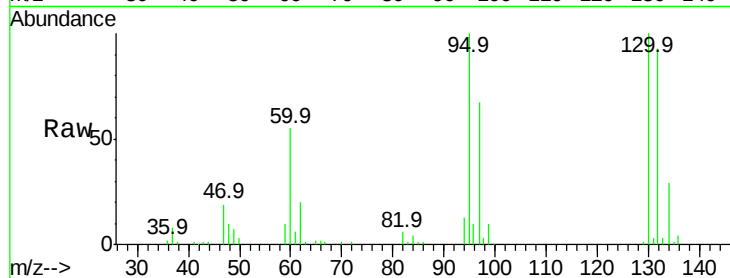
Ion Ratio Lower Upper

95 100

97 67.1 43.3 80.5

132 92.9 63.6 118.2

130 99.7 67.1 124.7

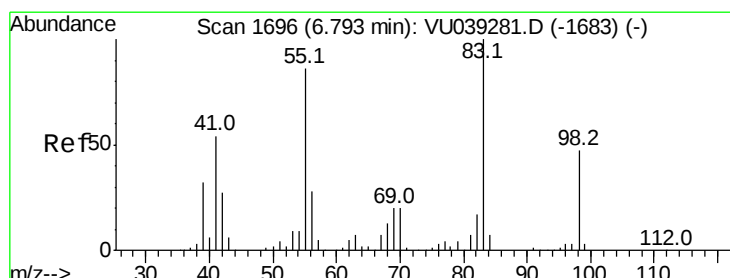
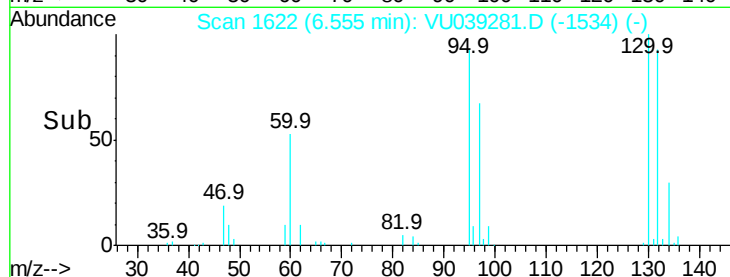
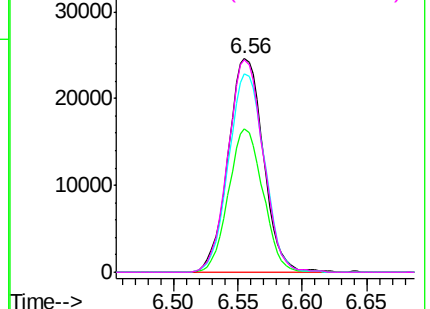


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.322 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. -0.02 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

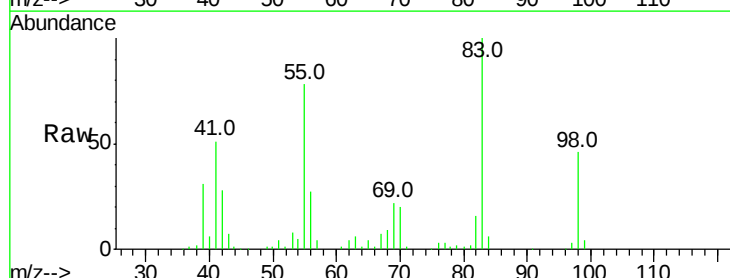
Tgt Ion: 83 Resp: 76346

Ion Ratio Lower Upper

83 100

55 79.1 67.4 101.0

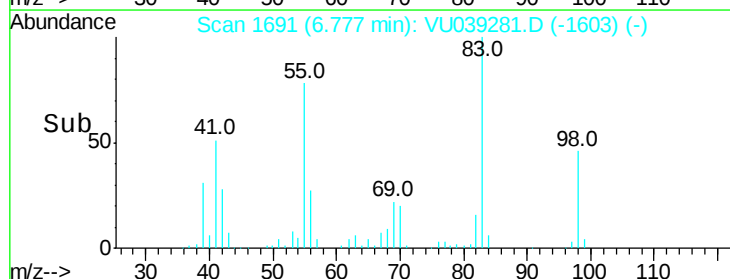
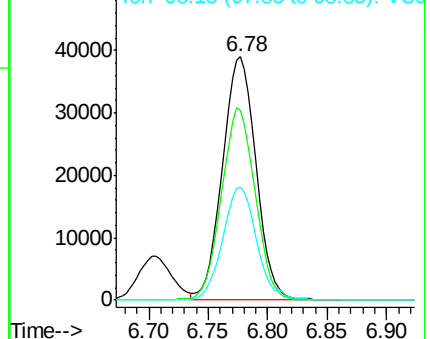
98 46.8 38.5 57.7

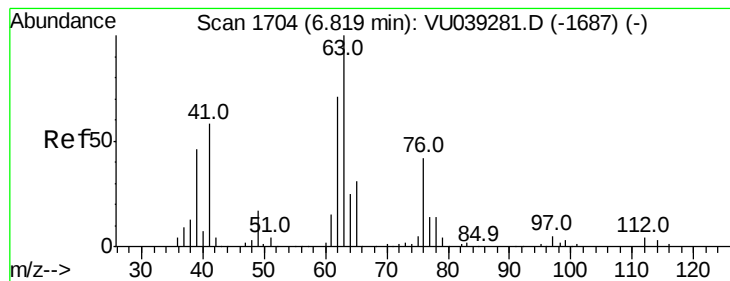


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.152 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

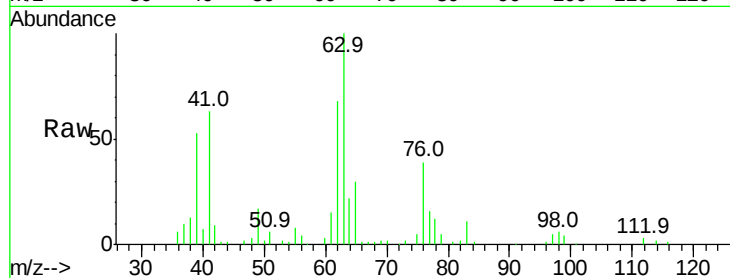
VSTD00506

Tgt Ion: 63 Resp: 51031

Ion Ratio Lower Upper

63 100

112 3.2 3.4 5.2#

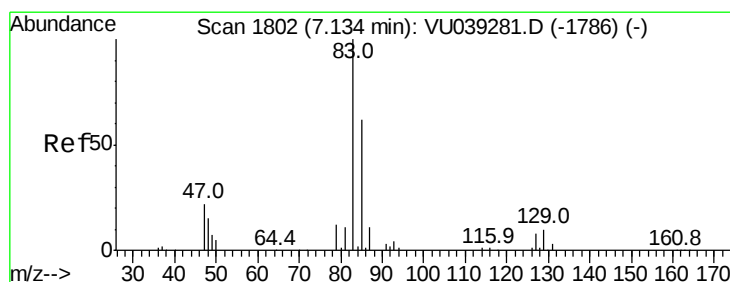
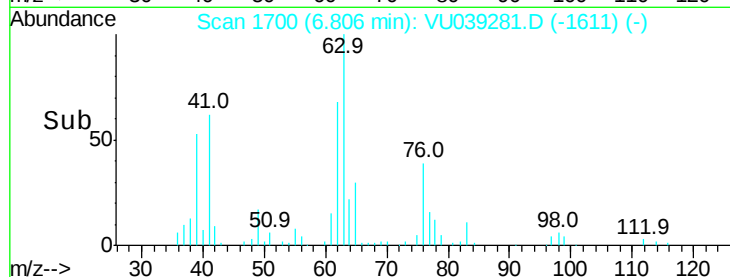


Abundance Ion 63.10 (62.80 to 63.80): VU039281.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU039281.D (-1687) (-)

6.81

Time--> 6.70 6.75 6.80 6.85 6.90



#38

Bromodichloromethane

Concen: 4.891 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.02 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

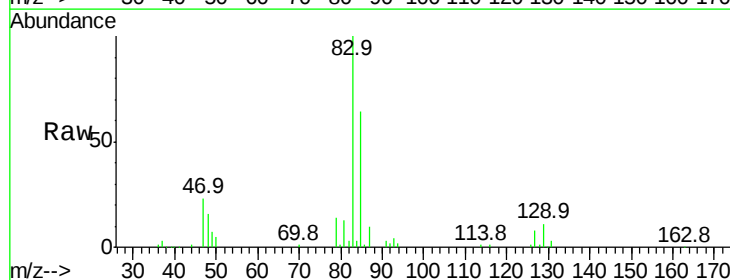
Tgt Ion: 83 Resp: 65781

Ion Ratio Lower Upper

83 100

85 63.6 44.0 81.8

127 8.1 7.4 11.2



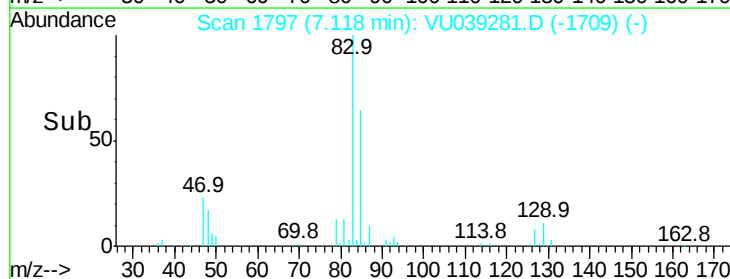
Abundance Ion 82.95 (82.65 to 83.65): VU039281.D (-1786) (-)

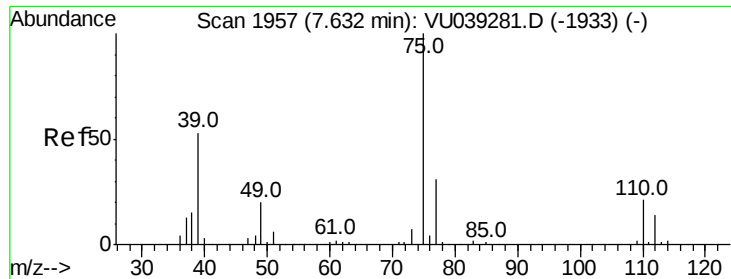
Ion 85.00 (84.70 to 85.70): VU039281.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU039281.D (-1786) (-)

7.12

Time--> 7.05 7.10 7.15 7.20

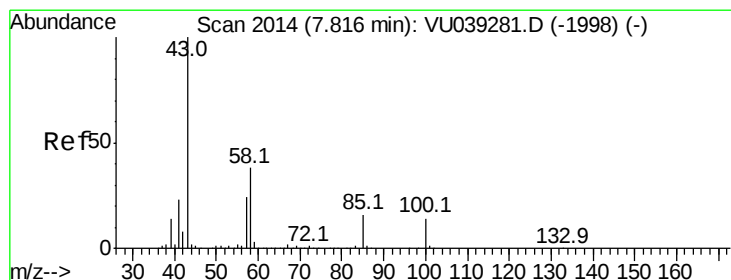
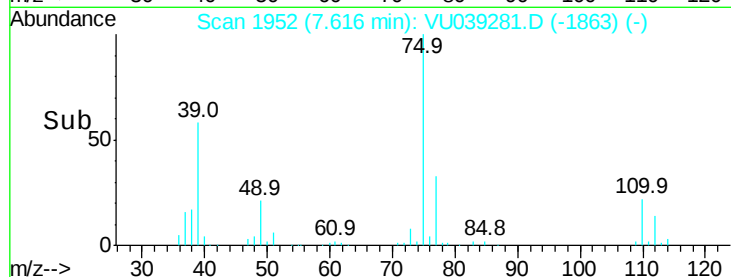
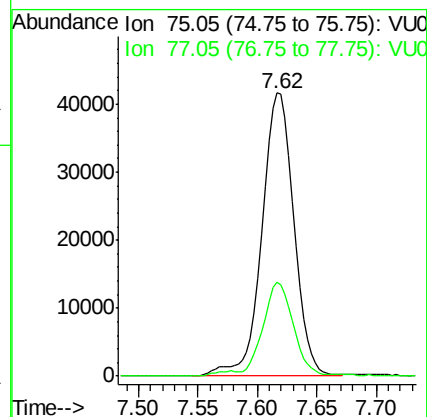
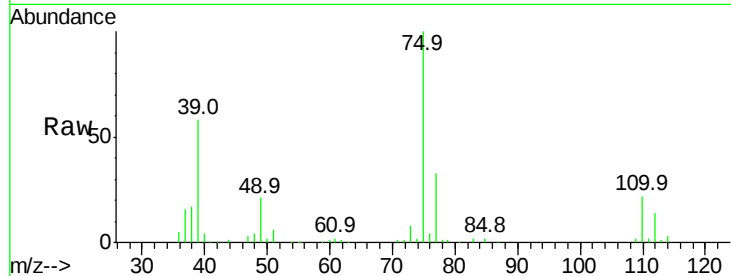




#39
 cis-1,3-Dichloropropene
 Concen: 5.029 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

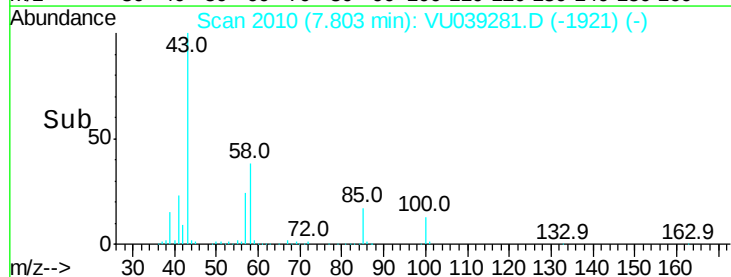
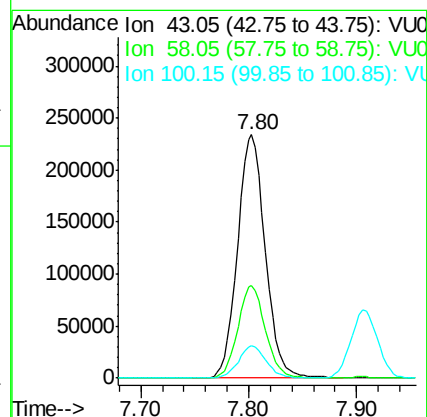
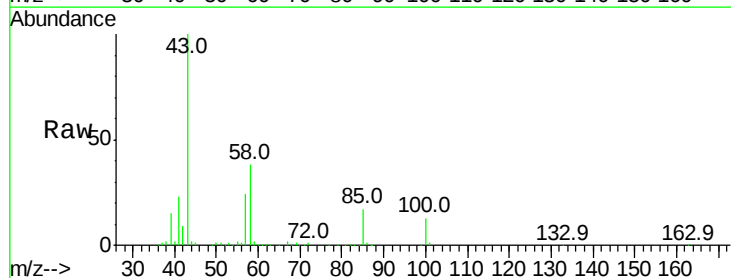
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

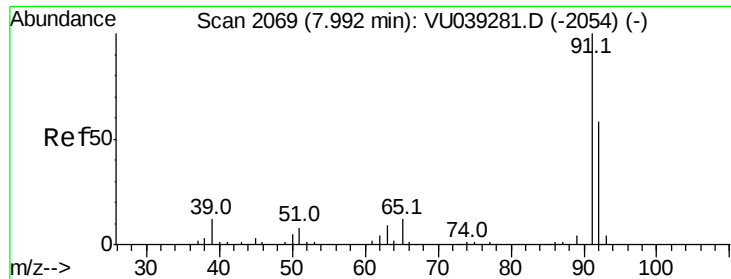
Tgt Ion: 75 Resp: 77803
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 51.893 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

Tgt Ion: 43 Resp: 419296
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.8 47.6
 100 13.2 13.5 20.3#





#42

Toluene

Concen: 4.707 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.02 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

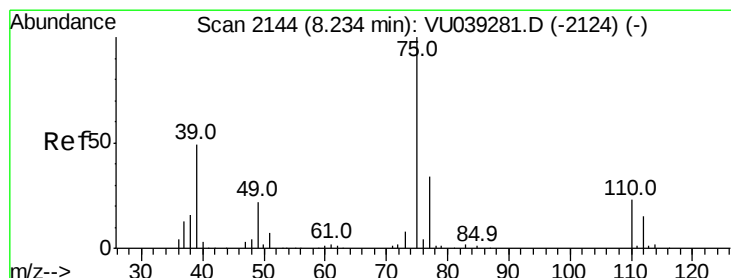
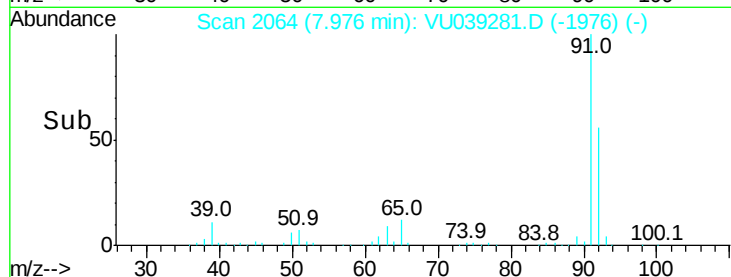
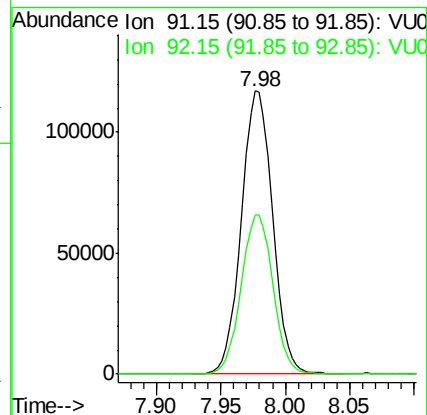
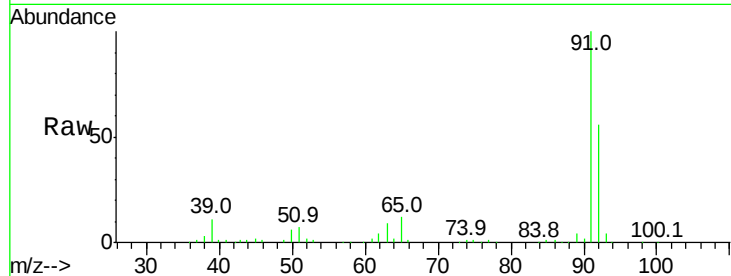
VSTD00506

Tgt Ion: 91 Resp: 197867

Ion Ratio Lower Upper

91 100

92 56.1 42.4 78.6



#44

trans-1,3-Dichloropropene

Concen: 4.702 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VU039281.D

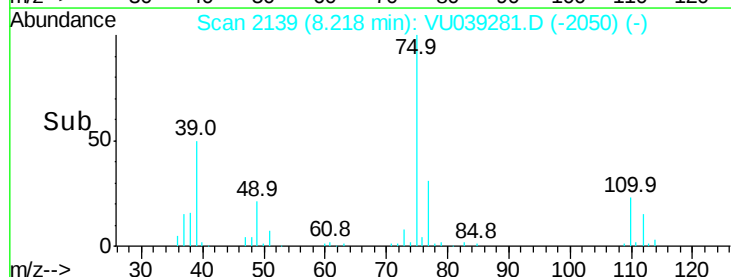
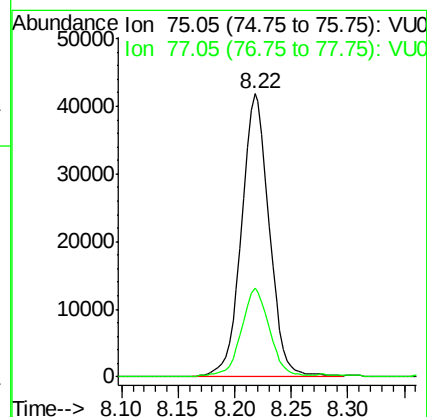
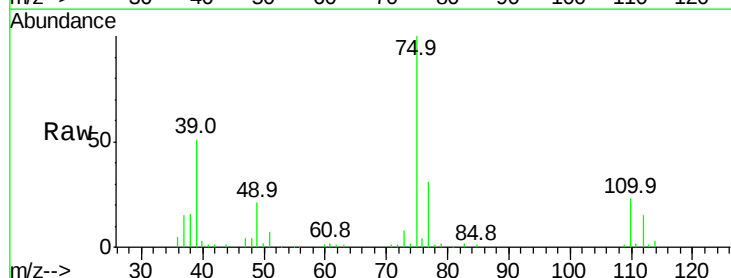
Acq: 06 Jul 2020 10:33

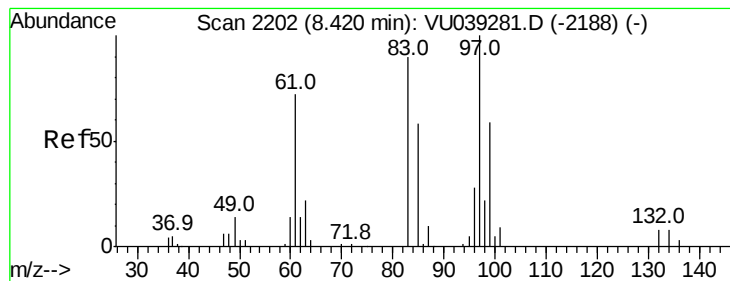
Tgt Ion: 75 Resp: 71701

Ion Ratio Lower Upper

75 100

77 31.4 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 4.572 ug/L

RT: 8.41 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tgt Ion: 97 Resp: 37857

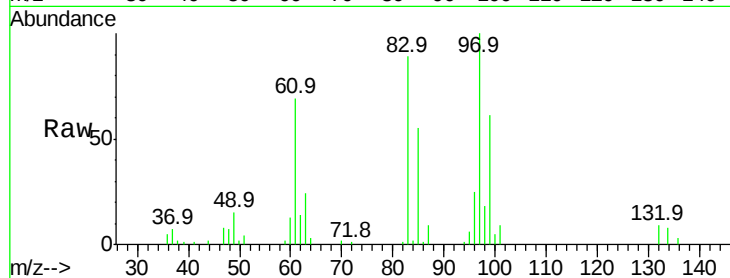
Ion Ratio Lower Upper

97 100

99 60.7 43.5 80.9

83 88.8 59.9 111.3

85 55.3 37.2 69.2

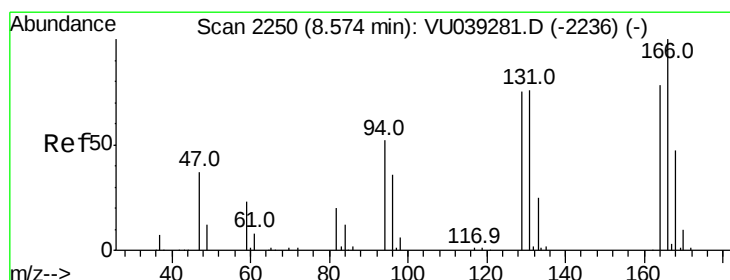
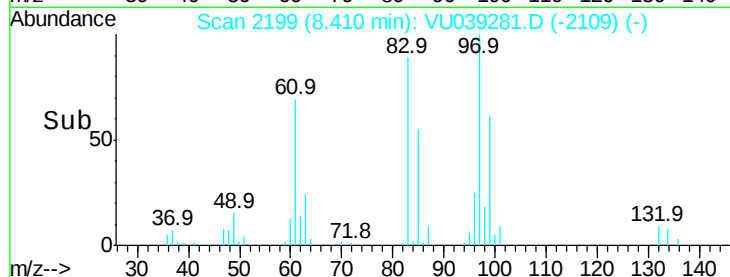
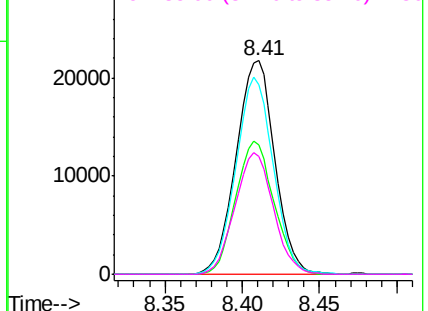


Abundance Ion 96.95 (96.65 to 97.65): VU039281.D (-2199) (-)

Ion 99.05 (98.75 to 99.75): VU039281.D (-2199) (-)

Ion 82.95 (82.65 to 83.65): VU039281.D (-2199) (-)

Ion 85.00 (84.70 to 85.70): VU039281.D (-2199) (-)



#47

Tetrachloroethene

Concen: 4.574 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Tgt Ion: 164 Resp: 33036

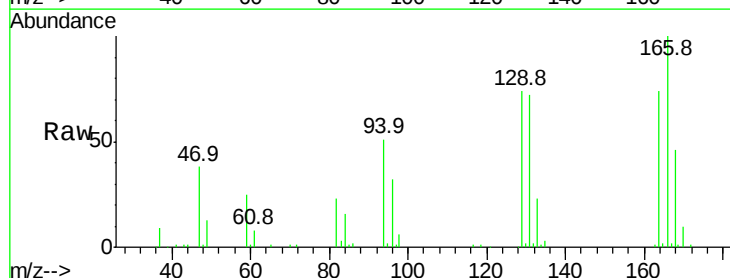
Ion Ratio Lower Upper

164 100

129 100.7 67.4 125.2

131 98.1 61.2 113.6

166 135.6 93.9 174.3

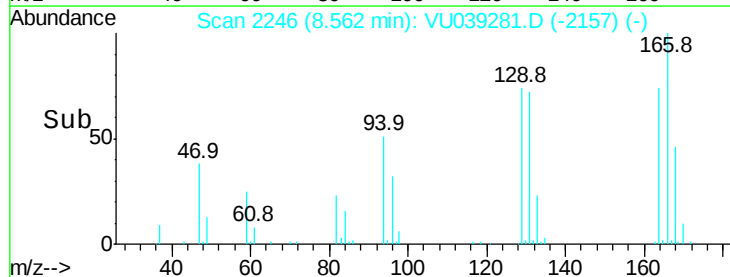
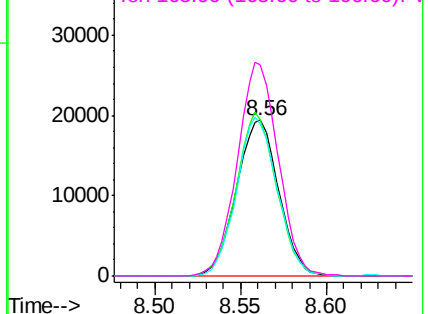


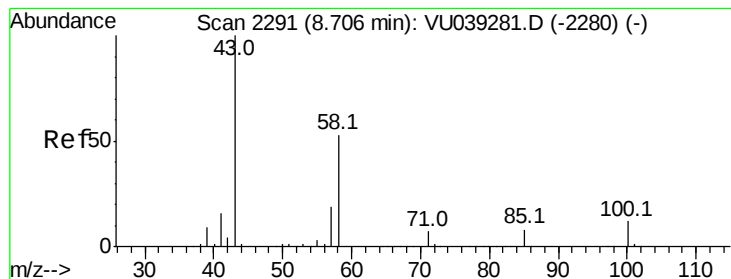
Abundance Ion 163.90 (163.60 to 164.60): VU039281.D (-2246) (-)

Ion 128.95 (128.65 to 129.65): VU039281.D (-2246) (-)

Ion 130.95 (130.65 to 131.65): VU039281.D (-2246) (-)

Ion 165.90 (165.60 to 166.60): VU039281.D (-2246) (-)





#48

2-Hexanone

Concen: 46.488 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tgt Ion: 43 Resp: 305897

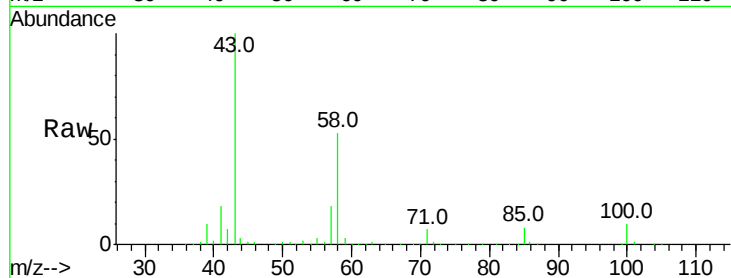
Ion Ratio Lower Upper

43 100

58 53.9 43.8 65.8

57 18.0 16.5 24.7

100 10.4 10.8 16.2#

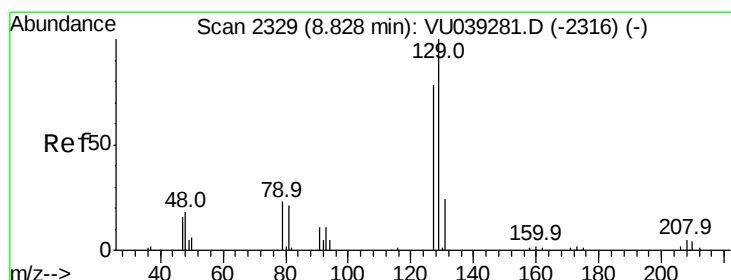
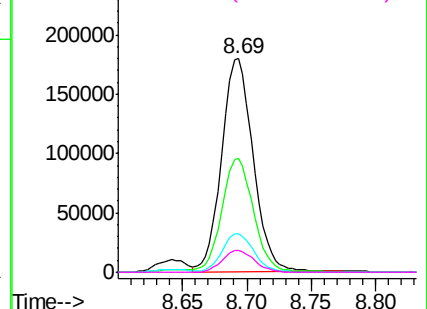
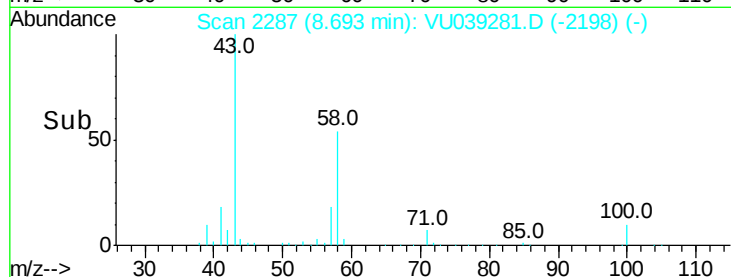


Abundance Ion 43.05 (42.75 to 43.75): VU039281.D (-2280) (-)

Ion 58.05 (57.75 to 58.75): VU039281.D (-2280) (-)

Ion 57.20 (56.90 to 57.90): VU039281.D (-2280) (-)

Ion 100.15 (99.85 to 100.85): VU039281.D (-2280) (-)



#49

Dibromochloromethane

Concen: 4.977 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.02 min

Lab File: VU039281.D

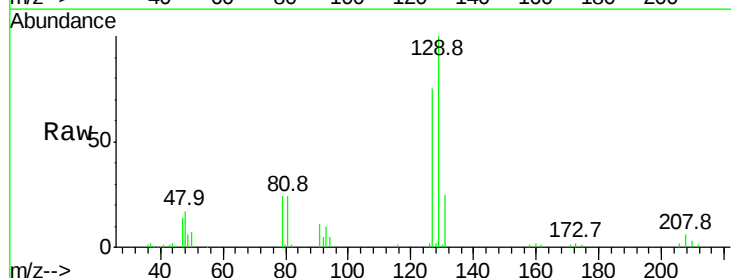
Acq: 06 Jul 2020 10:33

Tgt Ion: 129 Resp: 46241

Ion Ratio Lower Upper

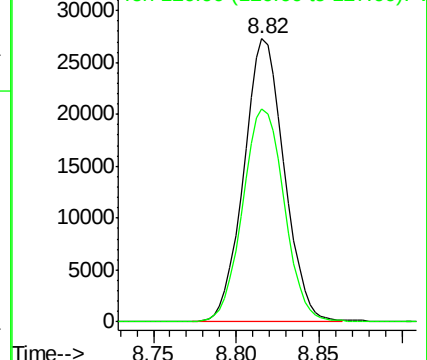
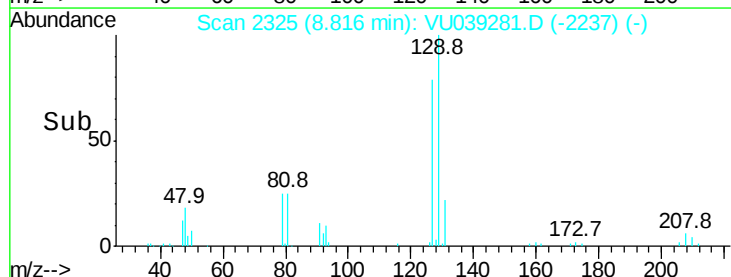
129 100

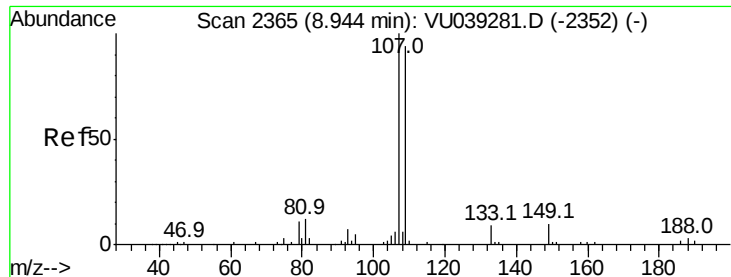
127 75.2 52.8 98.2



Abundance Ion 128.95 (128.65 to 129.65): VU039281.D (-2316) (-)

Ion 126.90 (126.60 to 127.60): VU039281.D (-2316) (-)

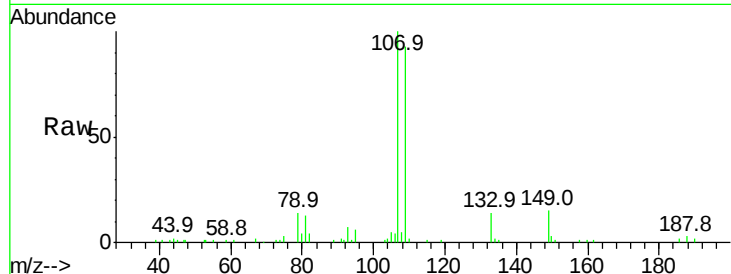




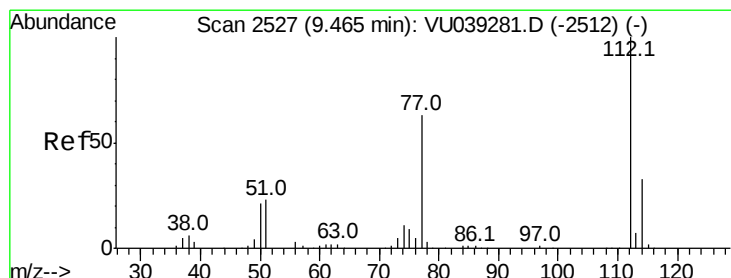
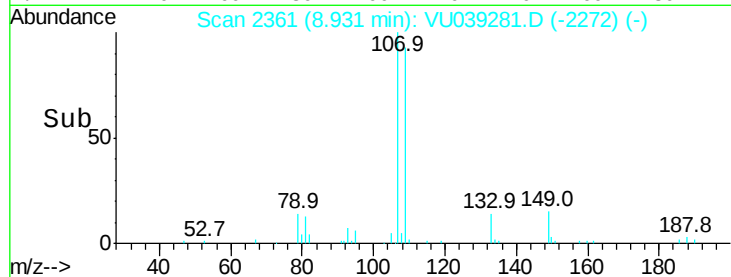
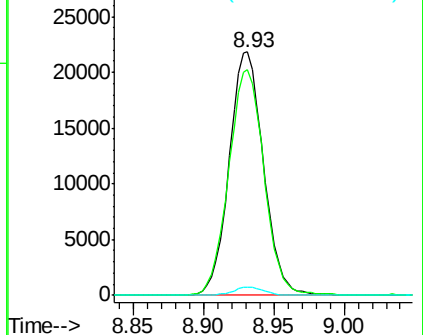
#50
1,2-Dibromoethane
Concen: 4.734 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. -0.01 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion:107 Resp: 37172
Ion Ratio Lower Upper
107 100
109 92.6 66.9 124.3
188 3.4 3.0 4.6

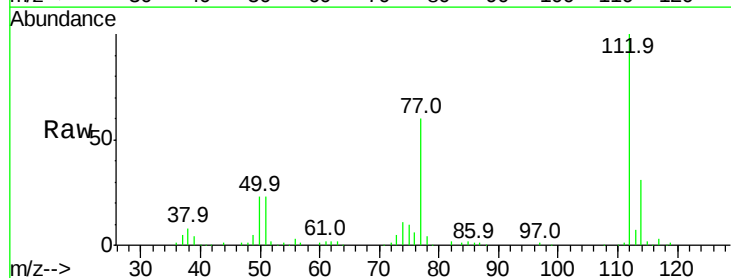


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

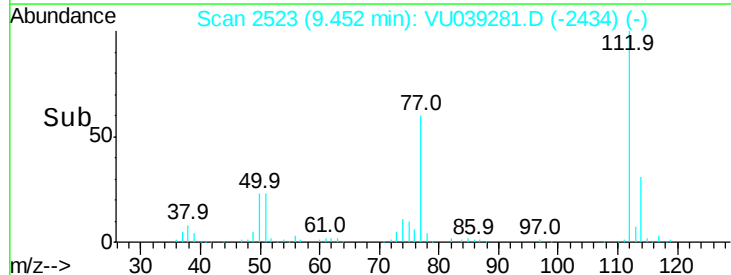
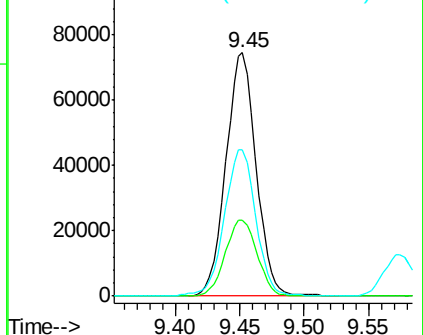


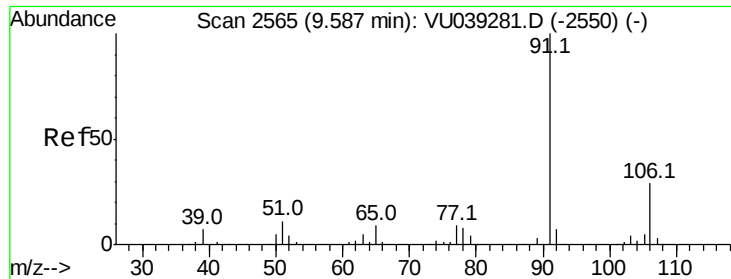
#51
Chlorobenzene
Concen: 4.520 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. -0.01 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

Tgt Ion:112 Resp: 120792
Ion Ratio Lower Upper
112 100
114 31.3 22.1 41.1
77 60.3 47.0 70.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

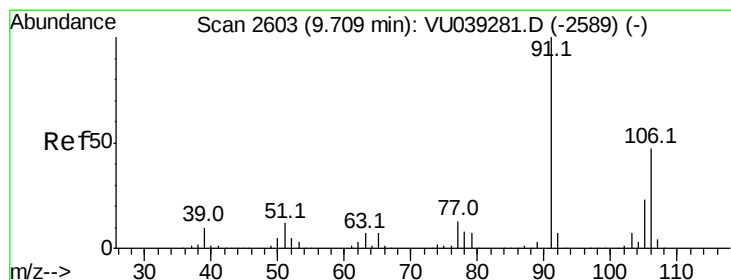
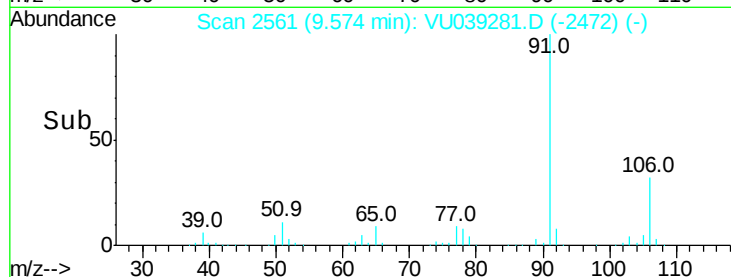
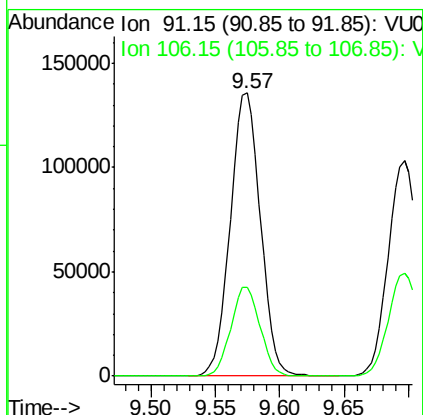
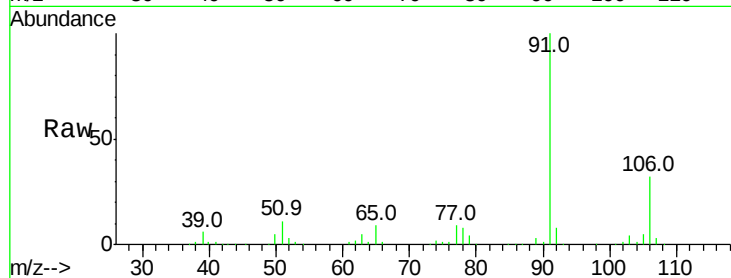




#52
Ethylbenzene
Concen: 4.889 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.01 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

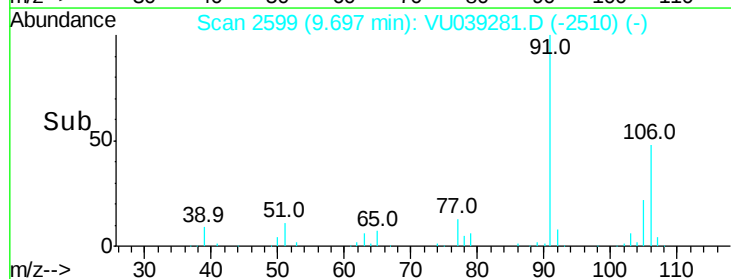
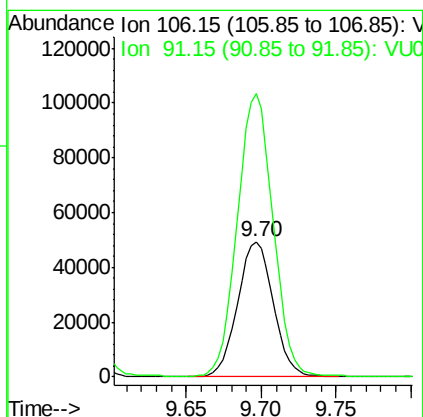
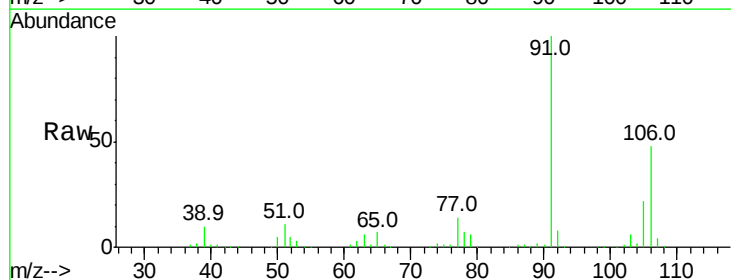
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

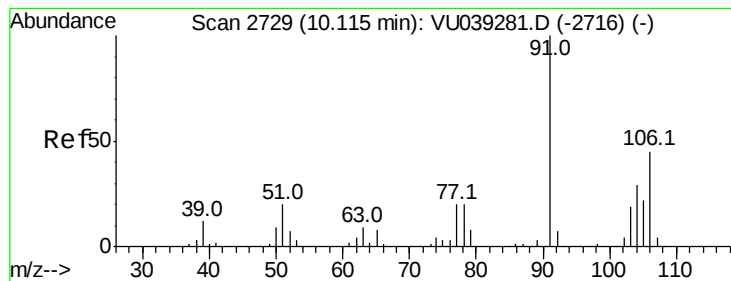
Tgt Ion: 91 Resp: 220508
Ion Ratio Lower Upper
91 100
106 31.6 21.2 39.4



#53
m,p-Xylene
Concen: 4.982 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. -0.01 min
Lab File: VU039281.D
Acq: 06 Jul 2020 10:33

Tgt Ion: 106 Resp: 82213
Ion Ratio Lower Upper
106 100
91 209.4 141.0 261.8





#54

o-Xylene

Concen: 5.092 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

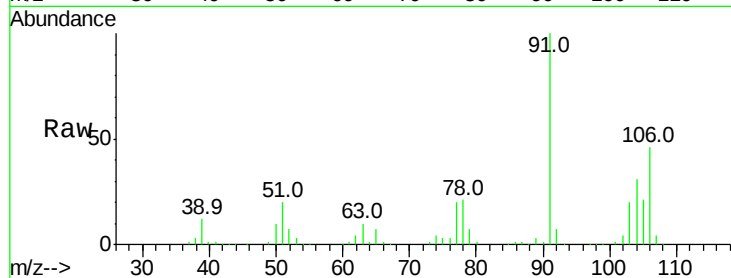
VSTD00506

Tgt Ion:106 Resp: 80719

Ion Ratio Lower Upper

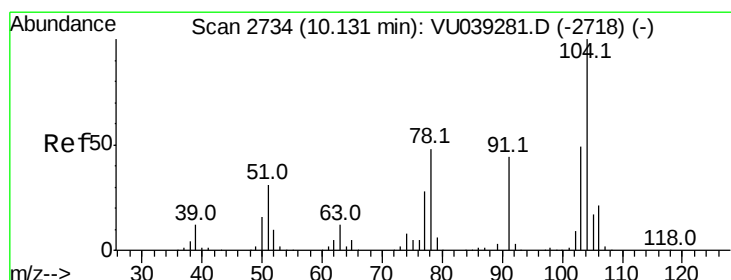
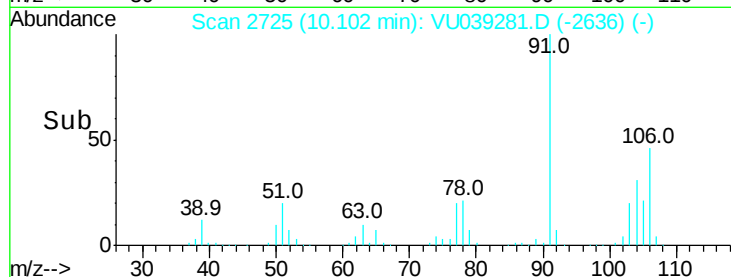
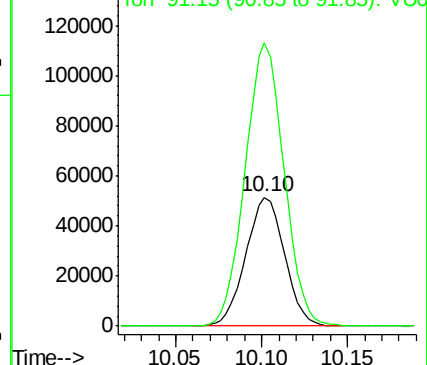
106 100

91 219.5 157.7 292.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.915 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.01 min

Lab File: VU039281.D

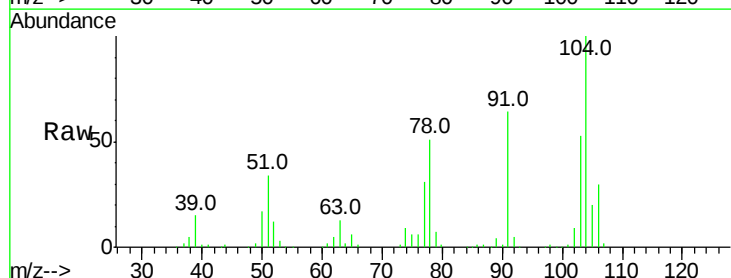
Acq: 06 Jul 2020 10:33

Tgt Ion:104 Resp: 137344

Ion Ratio Lower Upper

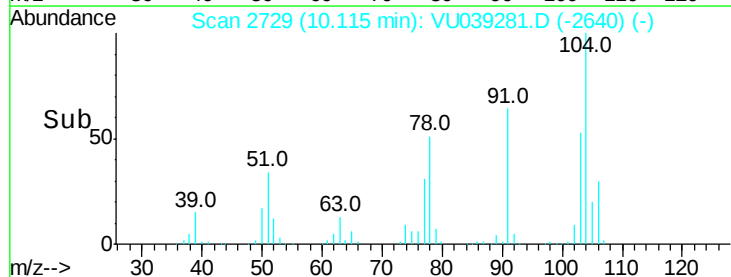
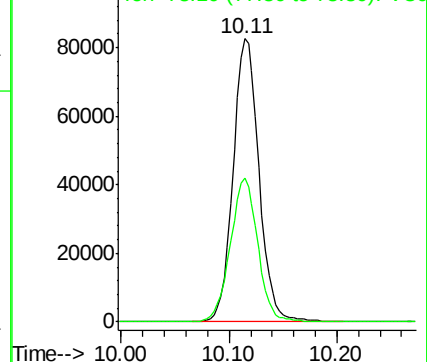
104 100

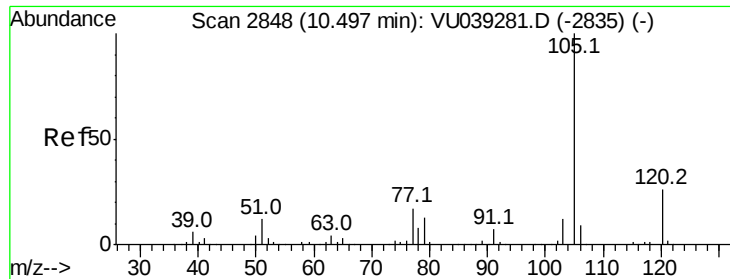
78 50.7 34.8 64.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.101 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

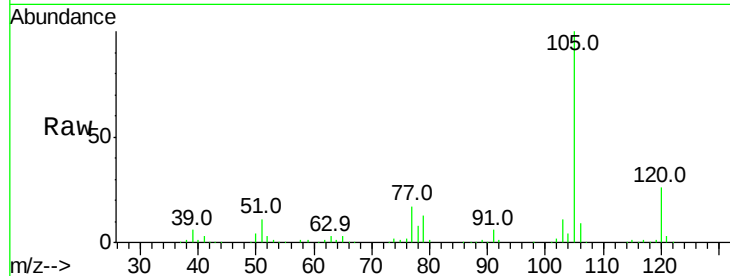
Tgt Ion:105 Resp: 215066

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

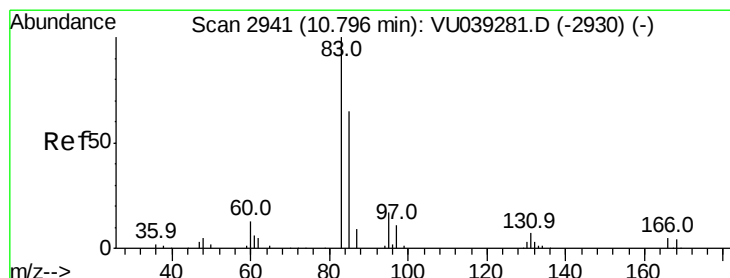
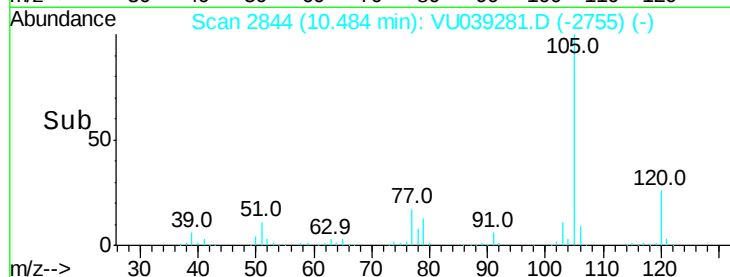
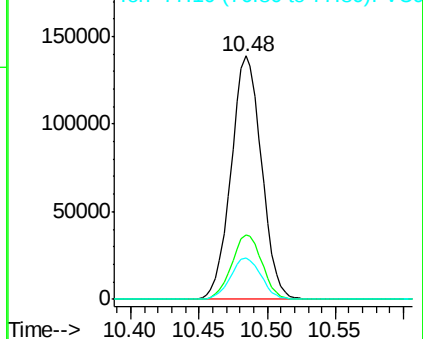
77 17.1 13.4 20.2



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: 4.703 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

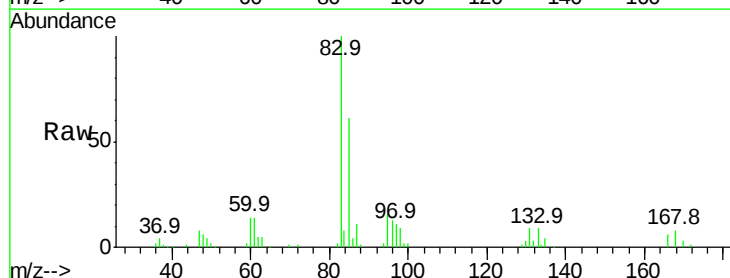
Tgt Ion: 83 Resp: 51476

Ion Ratio Lower Upper

83 100

85 61.4 44.4 82.4

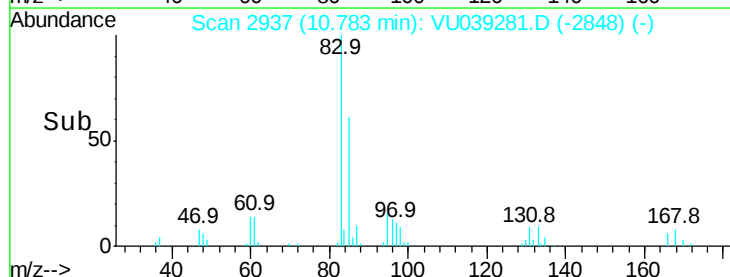
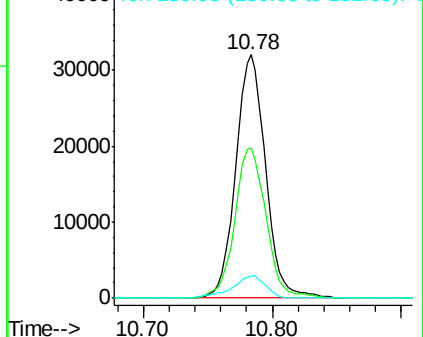
131 9.3 7.5 11.3

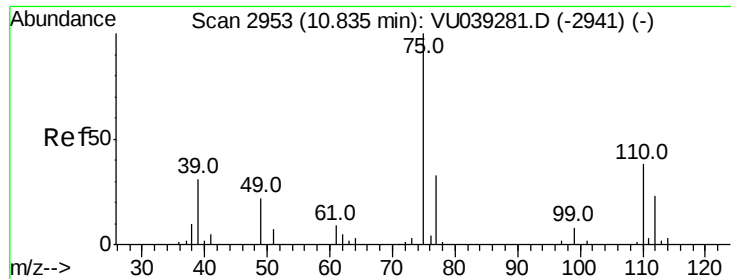


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

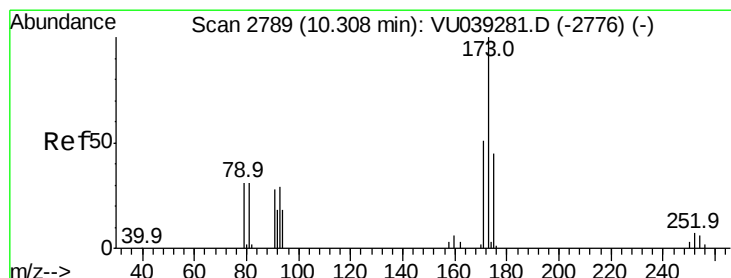
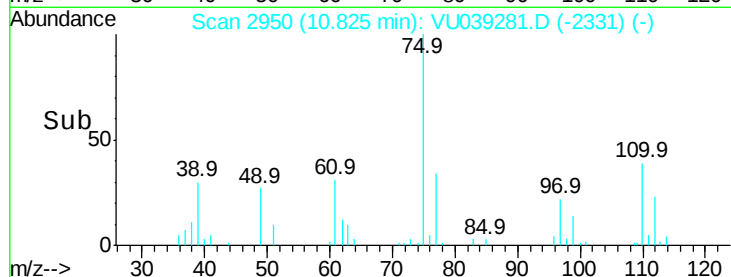
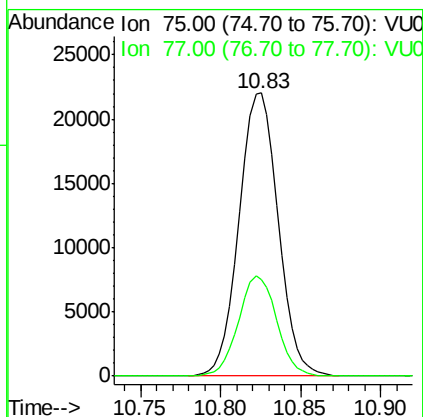
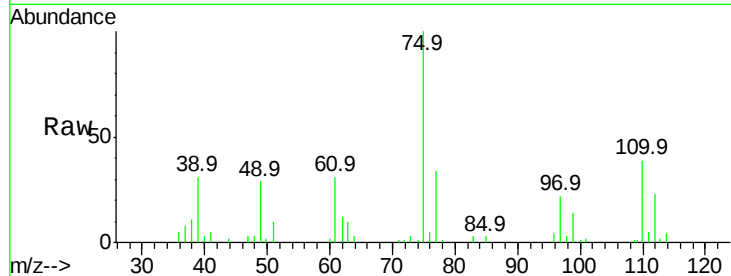




#59
 1,2,3-Trichloropropane
 Concen: 4.476 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. -0.01 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

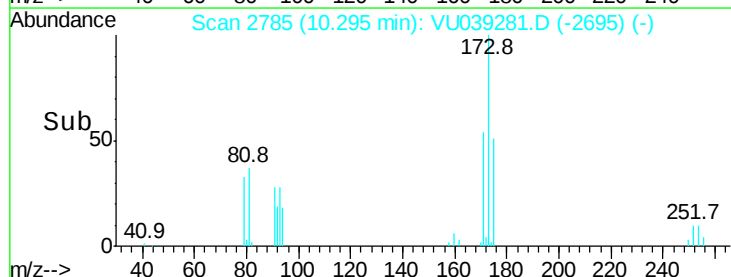
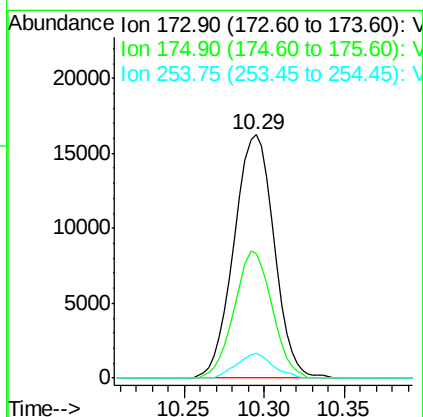
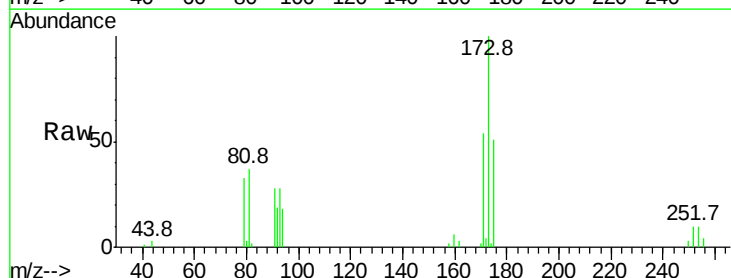
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

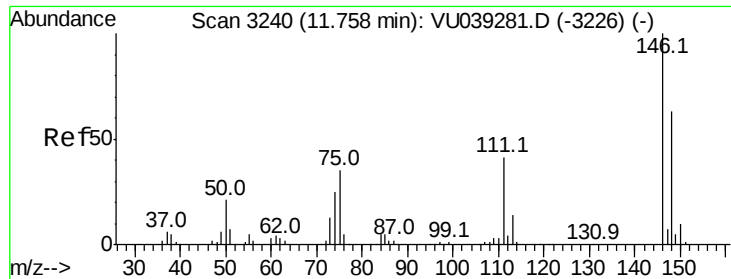
Tgt Ion: 75 Resp: 36646
 Ion Ratio Lower Upper
 75 100
 77 34.6 26.3 39.5



#61
 Bromoform
 Concen: 5.332 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.01 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

Tgt Ion: 173 Resp: 27792
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.8 58.2
 254 8.9 5.0 7.6#

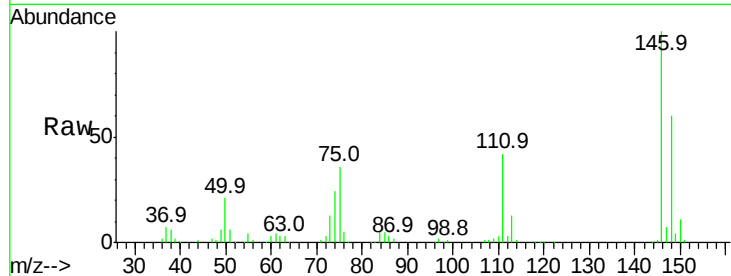




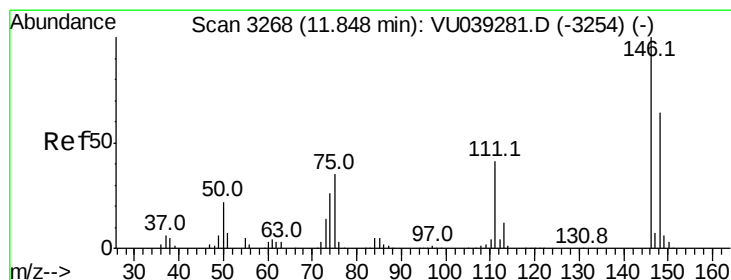
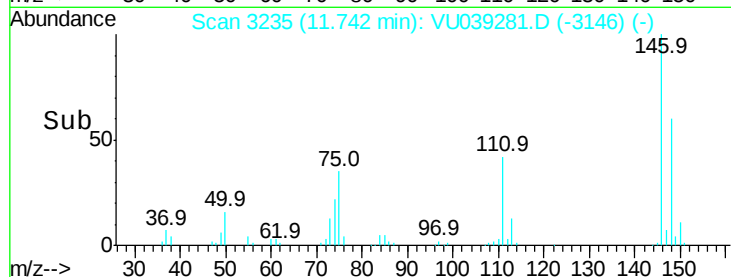
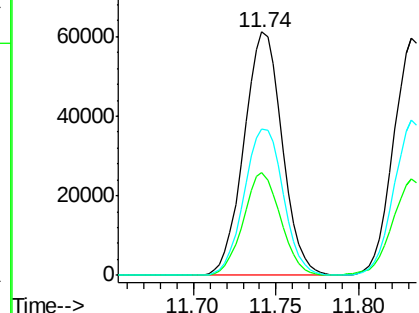
#62
 1,3-Dichlorobenzene
 Concen: 4.914 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.01 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion:146 Resp: 98342
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.8 53.6
 148 60.0 44.6 82.8

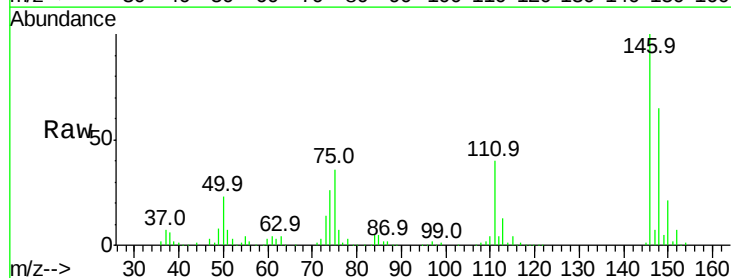


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

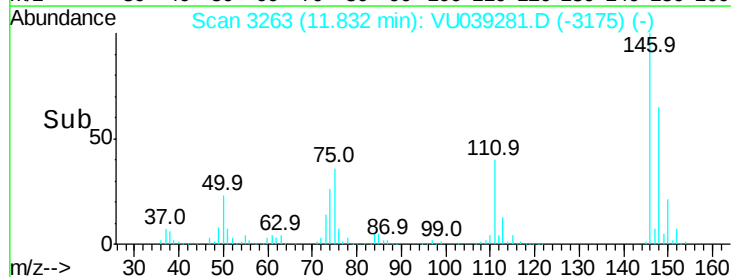
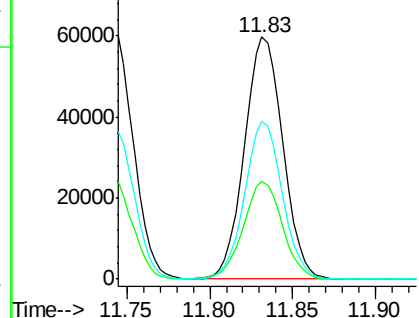


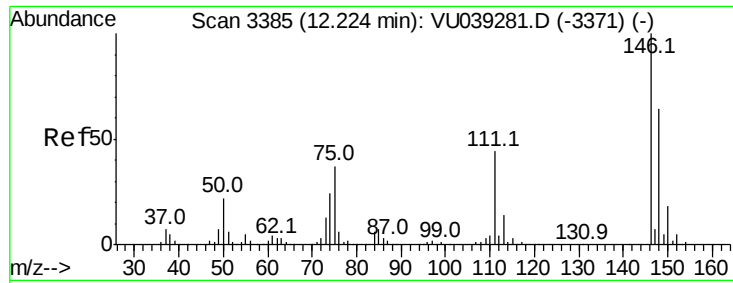
#63
 1,4-Dichlorobenzene
 Concen: 4.834 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.02 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

Tgt Ion:146 Resp: 96192
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.2 50.6
 148 65.5 44.2 82.2



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





#65

1,2-Dichlorobenzene

Concen: 4.826 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.01 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

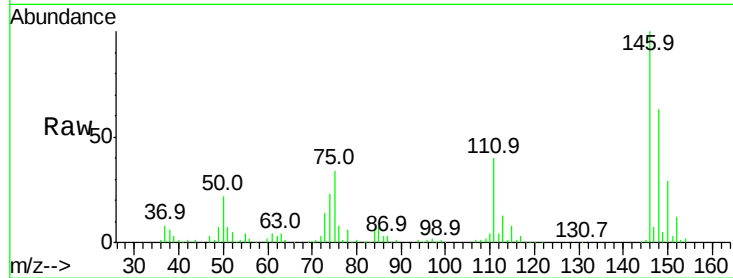
Tgt Ion:146 Resp: 96504

Ion Ratio Lower Upper

146 100

111 39.9 34.7 52.1

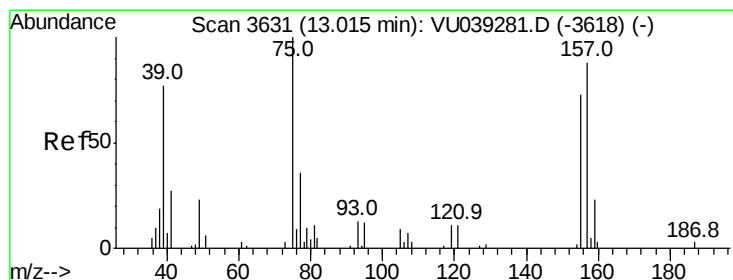
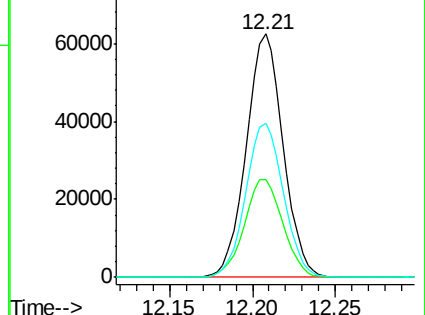
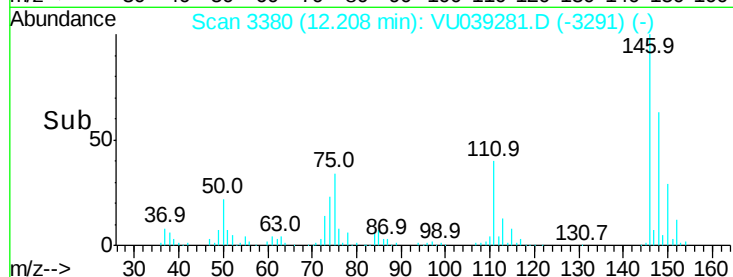
148 63.3 50.7 76.1



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: 4.980 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.03 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

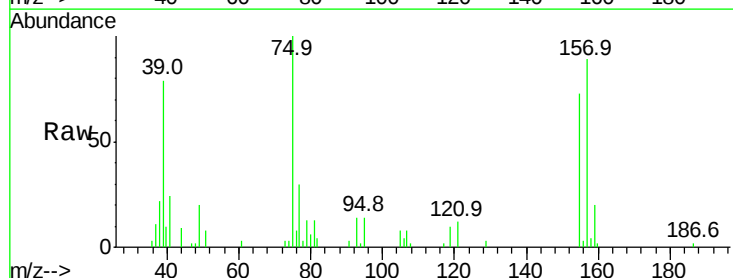
Tgt Ion: 75 Resp: 10029

Ion Ratio Lower Upper

75 100

155 73.3 63.8 95.8

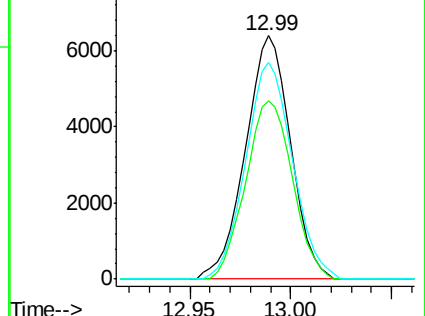
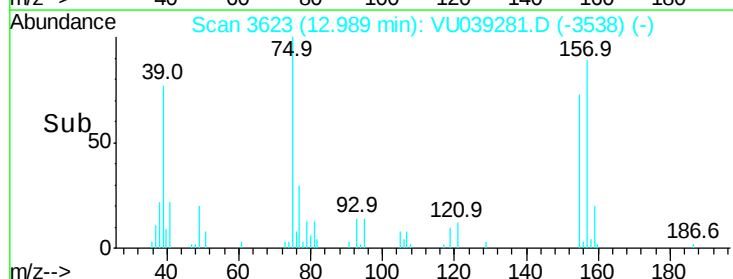
157 89.2 80.2 120.4

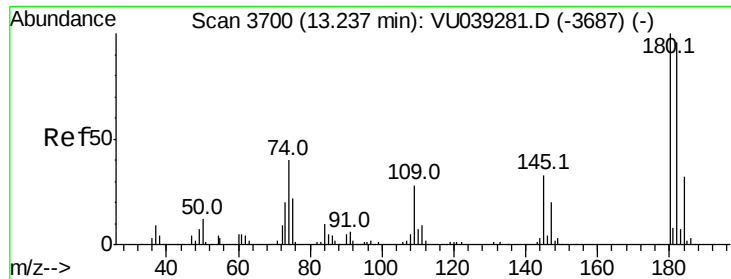


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

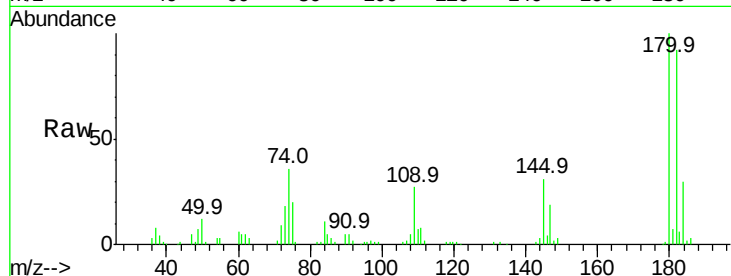




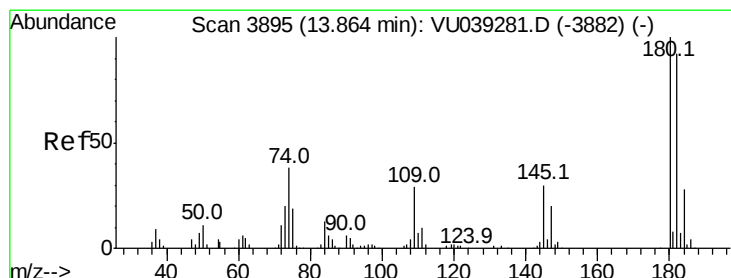
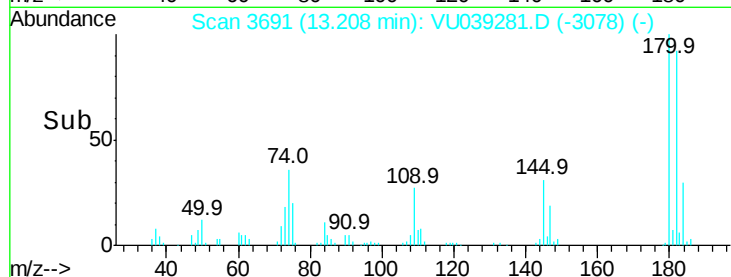
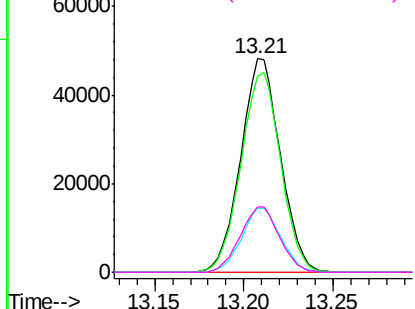
#67
 1,3,5-Trichlorobenzene
 Concen: 5.051 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.03 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion:180 Resp: 75185
 Ion Ratio Lower Upper
 180 100
 182 93.4 77.0 115.4
 184 29.6 24.9 37.3
 145 30.3 24.5 36.7

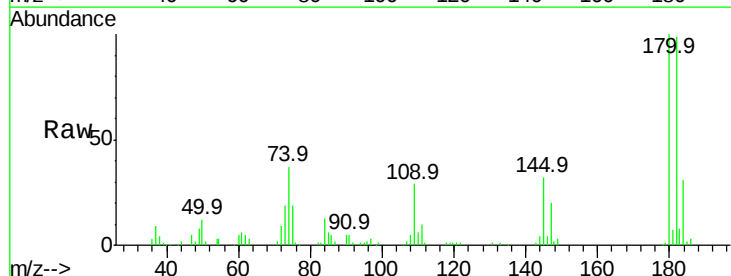


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

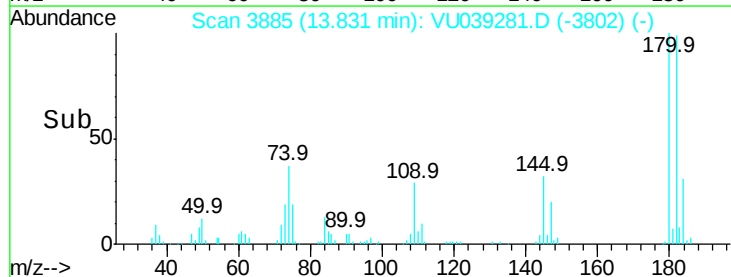
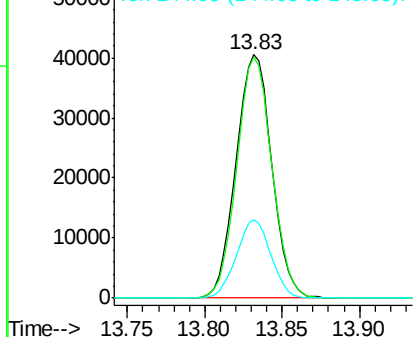


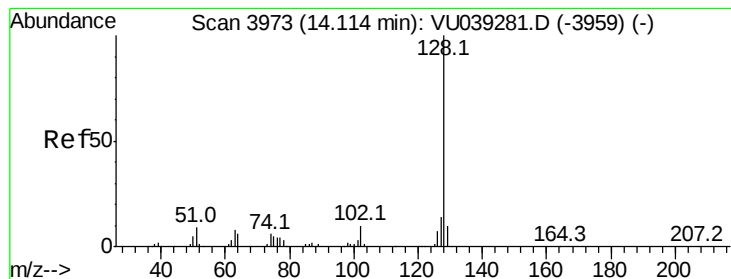
#68
 1,2,4-trichlorobenzene
 Concen: 5.178 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.03 min
 Lab File: VU039281.D
 Acq: 06 Jul 2020 10:33

Tgt Ion:180 Resp: 65068
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.6 115.0
 145 30.9 24.3 36.5



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: 5.498 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.03 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

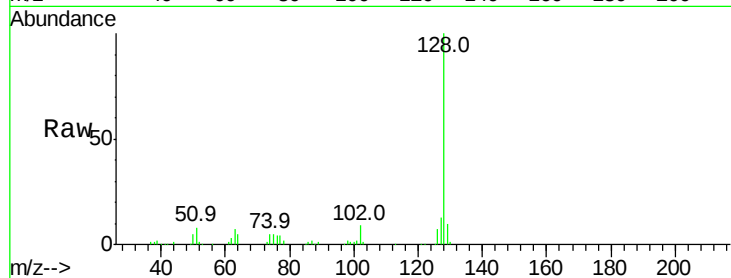
Tgt Ion:128 Resp: 124258

Ion Ratio Lower Upper

128 100

129 10.4 8.4 12.6

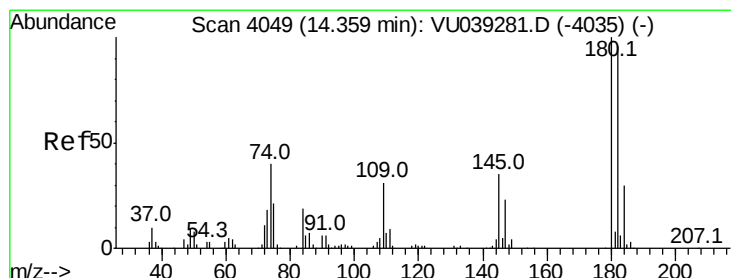
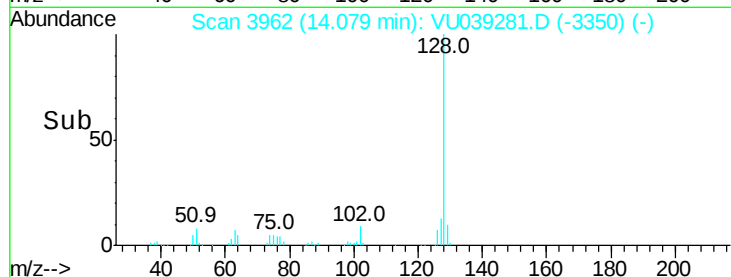
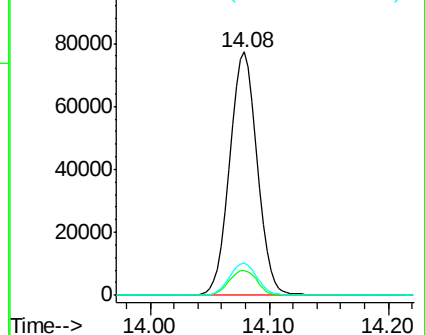
127 13.4 10.7 16.1



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: 4.969 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. -0.04 min

Lab File: VU039281.D

Acq: 06 Jul 2020 10:33

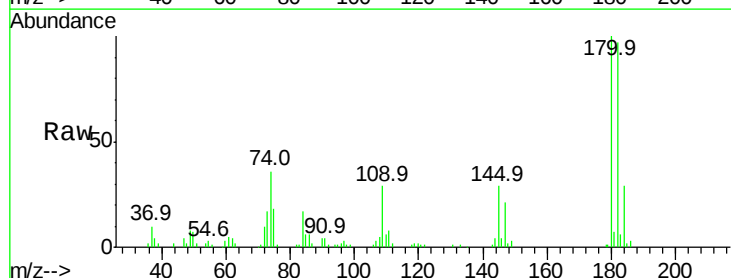
Tgt Ion:180 Resp: 58080

Ion Ratio Lower Upper

180 100

182 97.2 77.1 115.7

145 32.1 27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

