

Data File : VU039280.D
Acq On : 06 Jul 2020 10:10
Operator : SY/MD
Sample : VSTD00105
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Quant Time: Jul 06 10:59:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 06 10:57:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	133655	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126350	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11378	1.20	ug/L	0.00
7) Chloroethane-d5	1.92	69	10316	1.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	20232	1.06	ug/L	0.00
20) 2-Butanone-d5	4.66	46	40667	13.13	ug/L	0.00
24) Chloroform-d	5.08	84	21091	1.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	12954	1.15	ug/L	0.00
32) Benzene-d6	5.75	84	41823	1.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	13929	1.47	ug/L	0.00
41) Toluene-d8	7.91	98	37723	1.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	6380	1.32	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	32723	13.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	12537	1.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	14709	1.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	7787	0.666 ug/L	92
3) Chloromethane	1.53	50	10655	0.834 ug/L	96
5) Vinyl chloride	1.61	62	11136	0.883 ug/L	92
6) Bromomethane	1.87	94	6285	0.813 ug/L	91
8) Chloroethane	1.94	64	6535	0.774 ug/L	85
9) Trichlorofluoromethane	2.15	101	16224	0.843 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	7890	0.837 ug/L	97
12) 1,1-Dichloroethene	2.59	96	8294	0.952 ug/L	95
13) Acetone	2.67	43	18455	8.293 ug/L	96
14) Carbon disulfide	2.81	76	25369	0.902 ug/L	99
15) Methyl Acetate	2.97	43	4763	0.942 ug/L	100
16) Methylene chloride	3.06	84	10434	0.937 ug/L	92
17) Methyl tert-butyl Ether	3.39	73	26399	0.926 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	8733	0.878 ug/L	91
19) 1,1-Dichloroethane	3.89	63	16501	0.822 ug/L	99
21) 2-Butanone	4.75	43	35673	10.086 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	9632	0.941 ug/L	98
23) Bromochloromethane	4.99	128	4157	0.835 ug/L	84
25) Chloroform	5.11	83	18100	0.870 ug/L	96
27) 1,2-Dichloroethane	5.81	62	13262	0.907 ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	15418	0.977 ug/L	99
30) Cyclohexane	5.40	56	15413	1.093 ug/L	98
31) Carbon tetrachloride	5.54	117	12709	0.968 ug/L	99
33) Benzene	5.79	78	37339	1.043 ug/L	100
34) Trichloroethene	6.56	95	9661	1.042 ug/L	94
35) Methylcyclohexane	6.78	83	14861	1.083 ug/L	100
37) 1,2-Dichloropropane	6.80	63	10645	1.124 ug/L	99
38) Bromodichloromethane	7.11	83	13182	1.025 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	16209	1.095 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	87636	11.340 ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 06 10:57:06 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	39499	0.982	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	13624	0.934	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	7422	0.937	ug/L	93
47) Tetrachloroethene	8.56	164	6857	0.993	ug/L	86
48) 2-Hexanone	8.69	43	63940	10.159	ug/L	100
49) Dibromochloromethane	8.82	129	9020	1.015	ug/L	95
50) 1,2-Dibromoethane	8.93	107	7730	1.029	ug/L #	98
51) Chlorobenzene	9.45	112	24749	0.968	ug/L	97
52) Ethylbenzene	9.57	91	43650	1.012	ug/L	98
53) m,p-Xylene	9.70	106	16495	1.045	ug/L	95
54) o-Xylene	10.10	106	16627	1.097	ug/L	96
55) Styrene	10.12	104	27187	1.017	ug/L	92
56) Isopropylbenzene	10.48	105	43448	1.077	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	10563	1.009	ug/L	97
59) 1,2,3-Trichloropropane	10.83	75	7559	0.965	ug/L	98
61) Bromoform	10.29	173	5285	1.048	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	20579	1.063	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	19306	1.003	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	19697	1.018	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	2027	1.041	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	14632	1.016	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	12371	1.018	ug/L	96
69) Naphthalene	14.08	128	21610	0.989	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	11446	1.013	ug/L	99

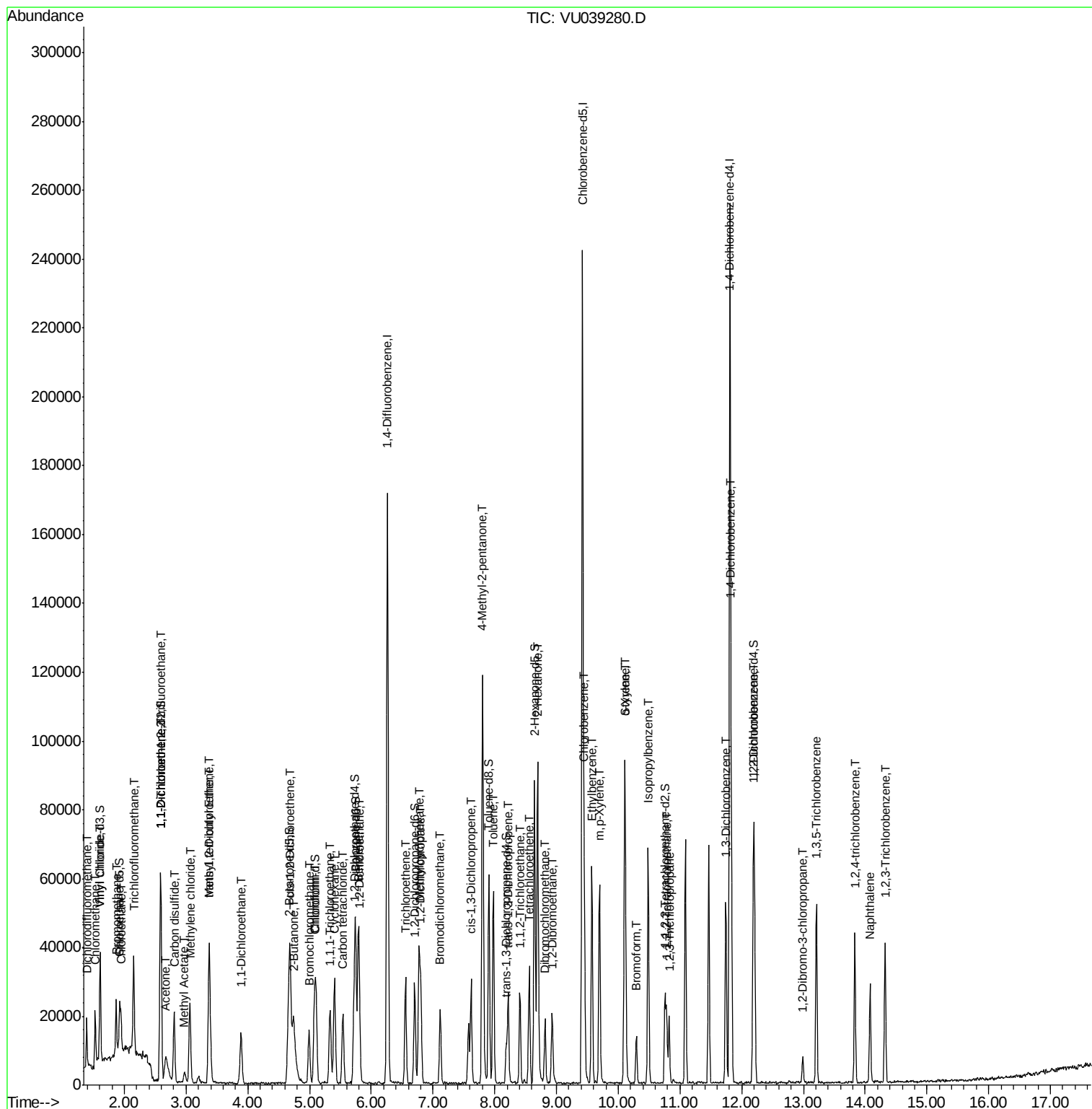
(#) = qualifier out of range (m) = manual integration (+) = signals summed

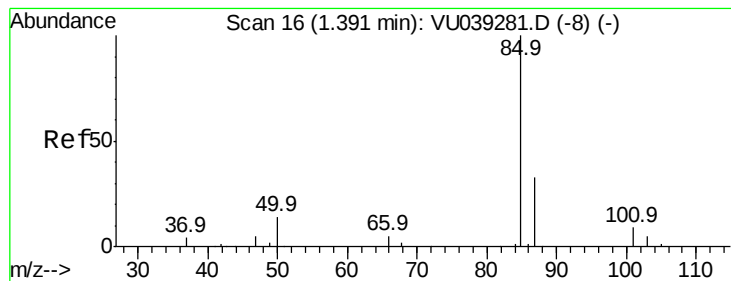
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#2

Dichlorodifluoromethane

Concen: 0.666 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

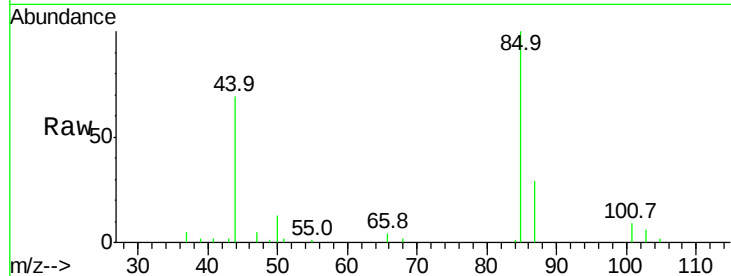
VSTD00105

Tgt Ion: 85 Resp: 7787

Ion Ratio Lower Upper

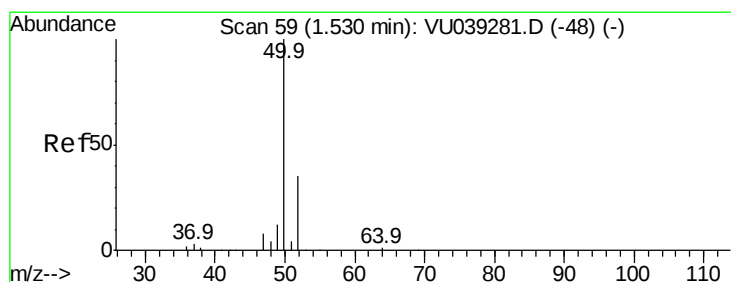
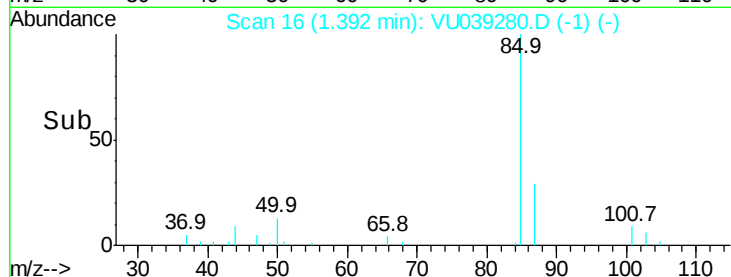
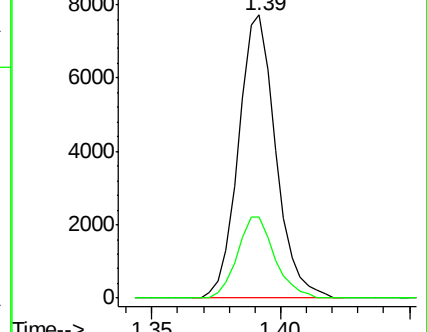
85 100

87 28.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU039280.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039280.D (-1) (-)



#3

Chloromethane

Concen: 0.834 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039280.D

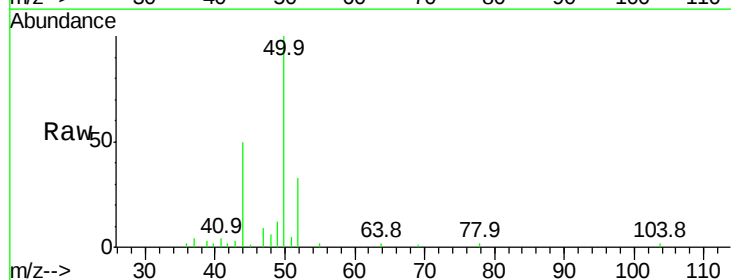
Acq: 06 Jul 2020 10:10

Tgt Ion: 50 Resp: 10655

Ion Ratio Lower Upper

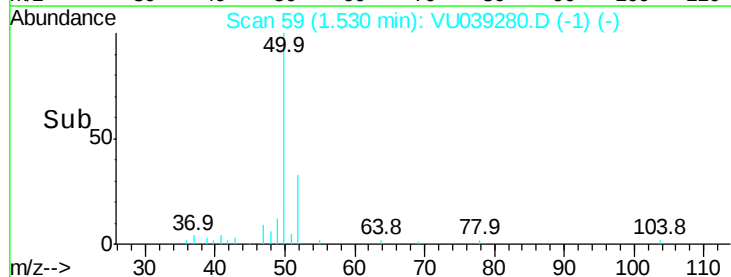
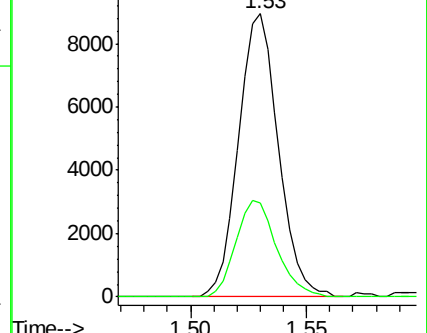
50 100

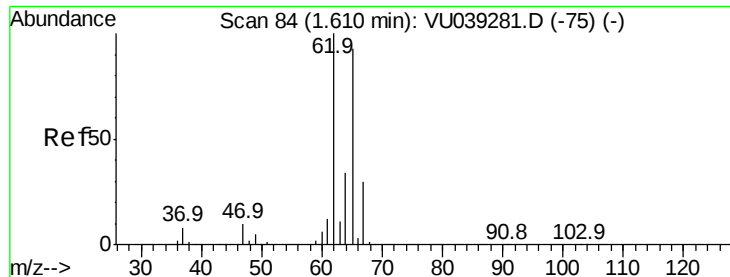
52 33.1 24.7 45.9



Abundance Ion 50.05 (49.75 to 50.75): VU039280.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039280.D (-1) (-)





#5

Vinyl chloride

Concen: 0.883 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

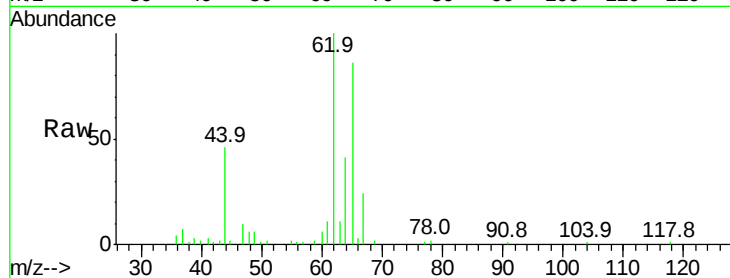
VSTD00105

Tgt Ion: 62 Resp: 11136

Ion Ratio Lower Upper

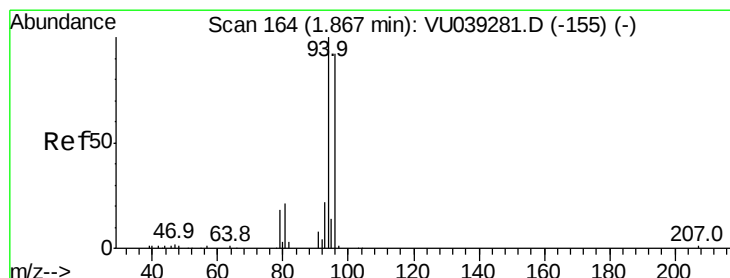
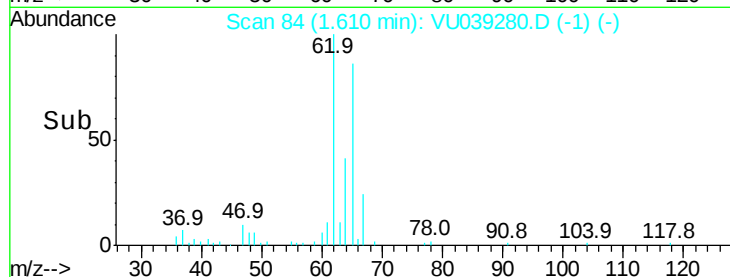
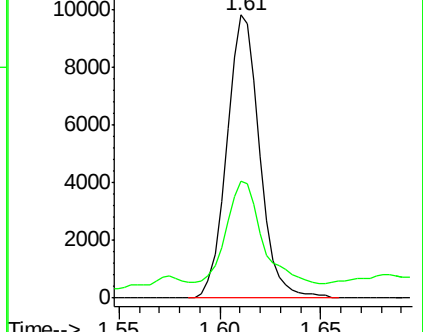
62 100

64 41.2 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VU039280.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039280.D (-1) (-)



#6

Bromomethane

Concen: 0.813 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039280.D

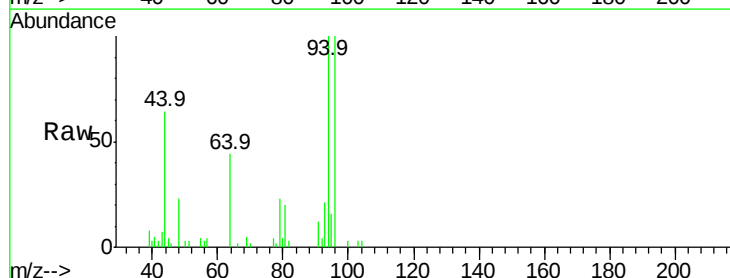
Acq: 06 Jul 2020 10:10

Tgt Ion: 94 Resp: 6285

Ion Ratio Lower Upper

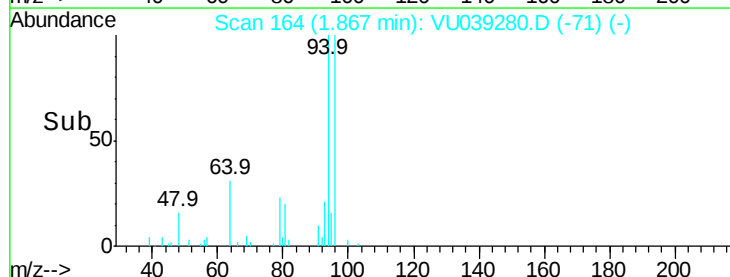
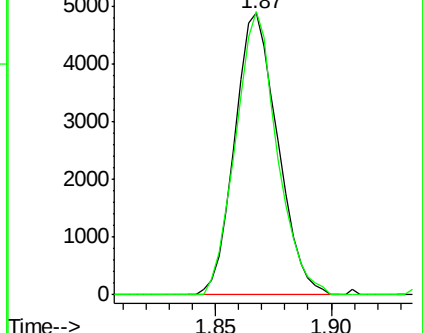
94 100

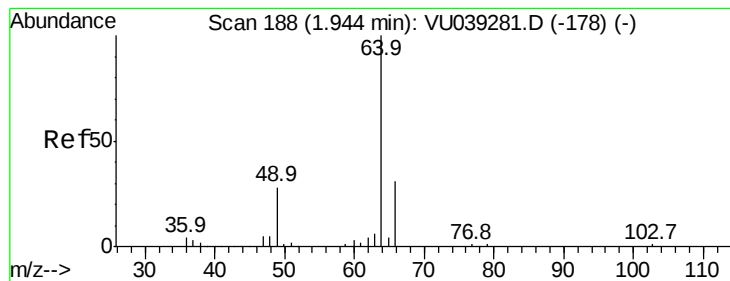
96 100.5 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU039280.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU039280.D (-71) (-)





#8

Chloroethane

Concen: 0.774 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

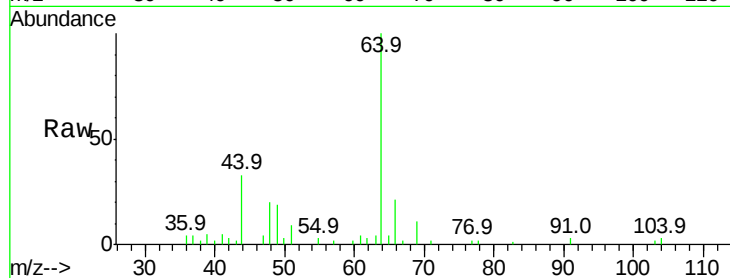
VSTD00105

Tgt Ion: 64 Resp: 6535

Ion Ratio Lower Upper

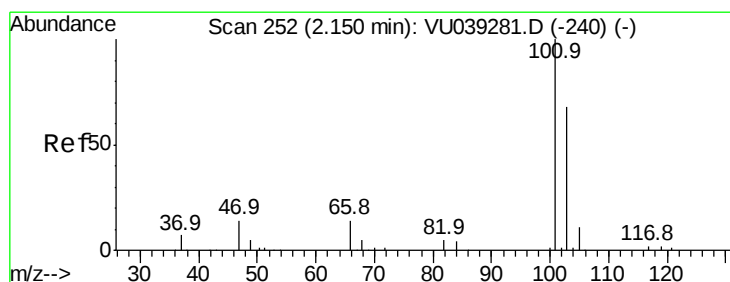
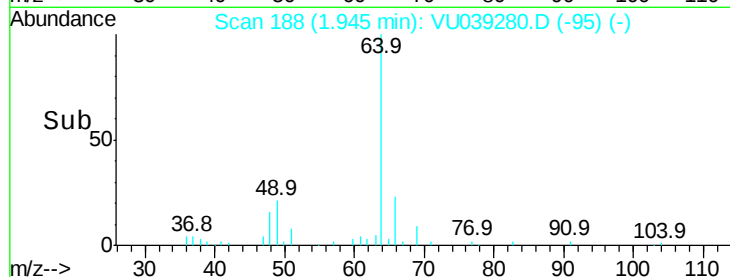
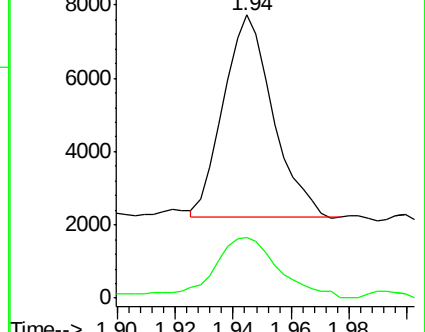
64 100

66 21.4 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VU039280.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU039280.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 0.843 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039280.D

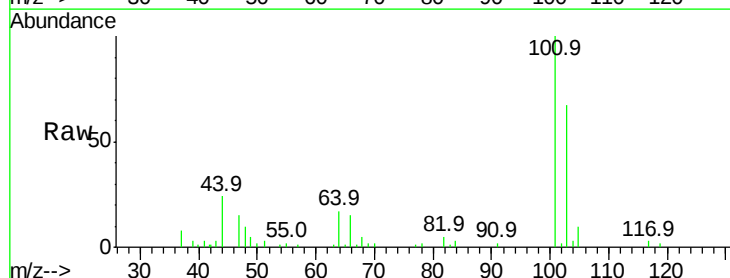
Acq: 06 Jul 2020 10:10

Tgt Ion: 101 Resp: 16224

Ion Ratio Lower Upper

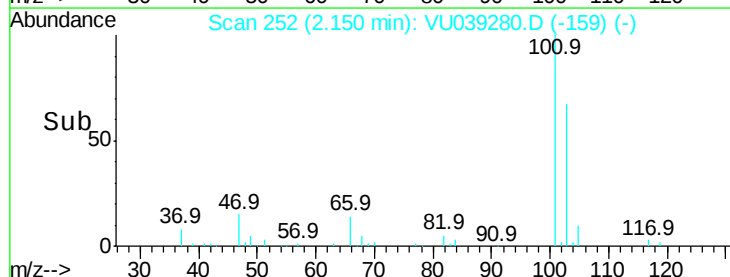
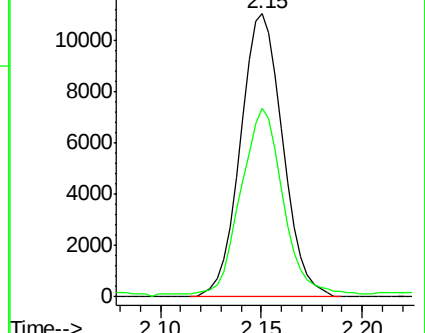
101 100

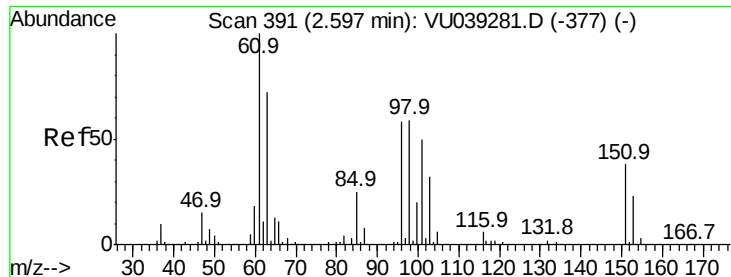
103 68.7 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): VU039280.D (-159) (-)

Ion 103.00 (102.70 to 103.70): VU039280.D (-159) (-)





#10

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

Concen: 0.837 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

VSTD00105

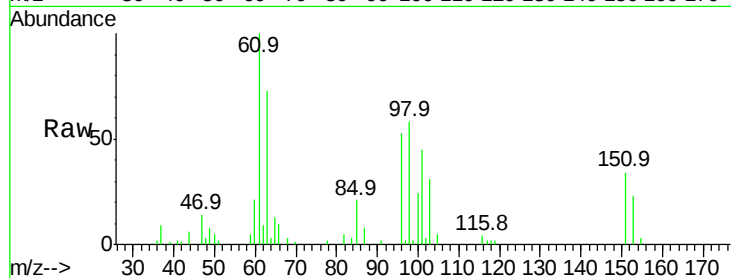
Tgt Ion:101 Resp: 7890

Ion Ratio Lower Upper

101 100

85 44.8 38.4 57.6

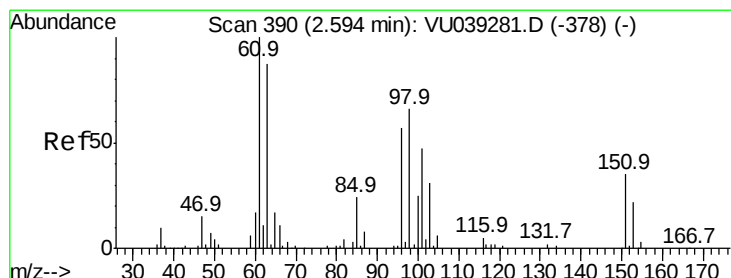
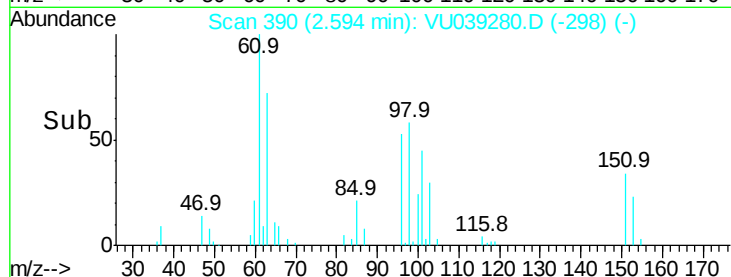
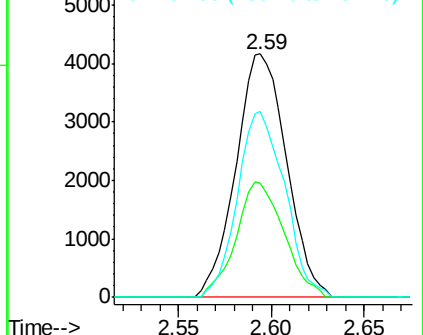
151 71.3 58.3 87.5



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: 0.952 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

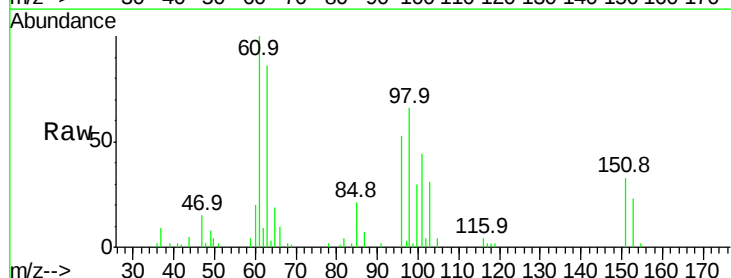
Tgt Ion: 96 Resp: 8294

Ion Ratio Lower Upper

96 100

61 187.9 123.8 230.0

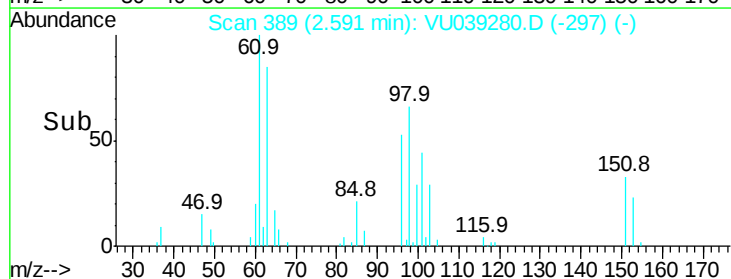
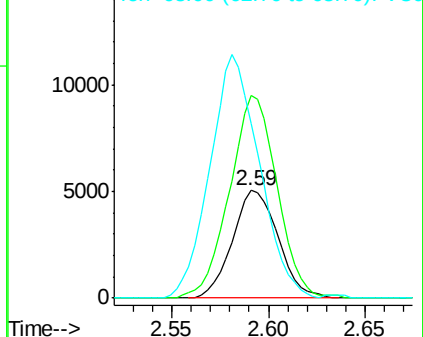
63 162.2 112.1 208.3

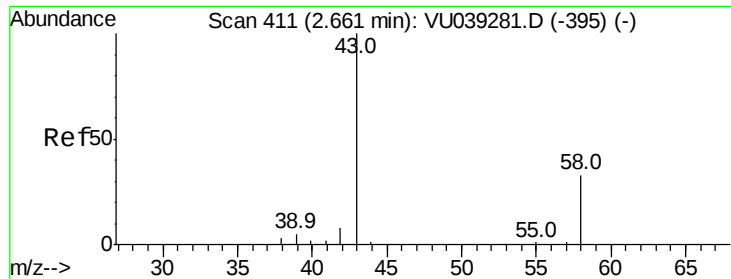


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.293 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

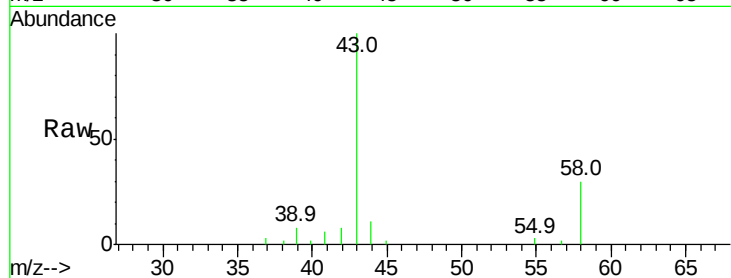
VSTD00105

Tgt Ion: 43 Resp: 18455

Ion Ratio Lower Upper

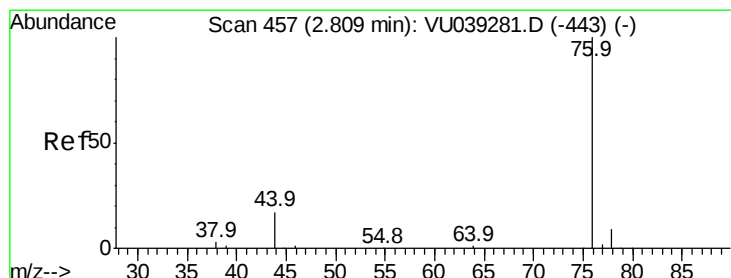
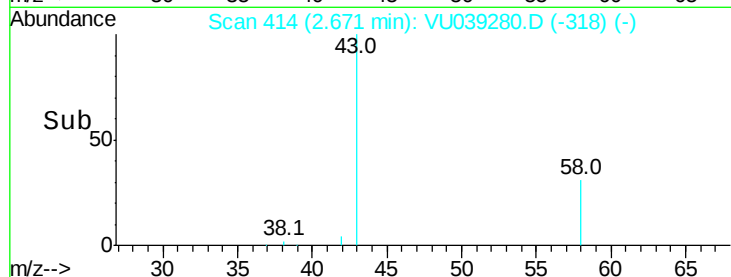
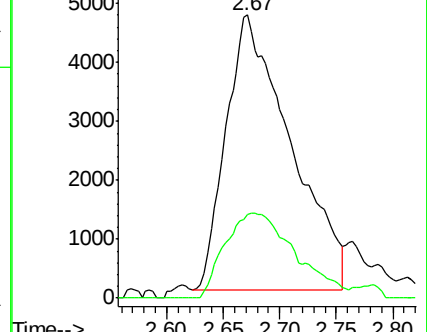
43 100

58 34.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039280.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU039280.D (-318) (-)



#14

Carbon disulfide

Concen: 0.902 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039280.D

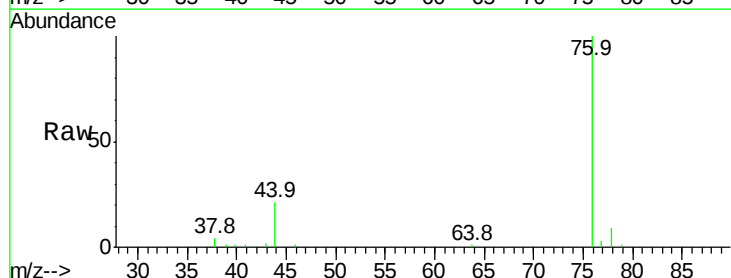
Acq: 06 Jul 2020 10:10

Tgt Ion: 76 Resp: 25369

Ion Ratio Lower Upper

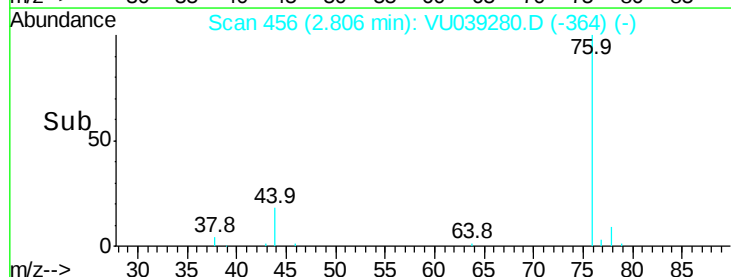
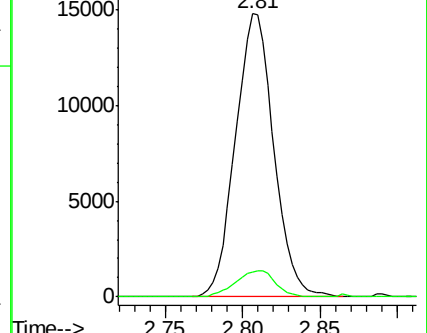
76 100

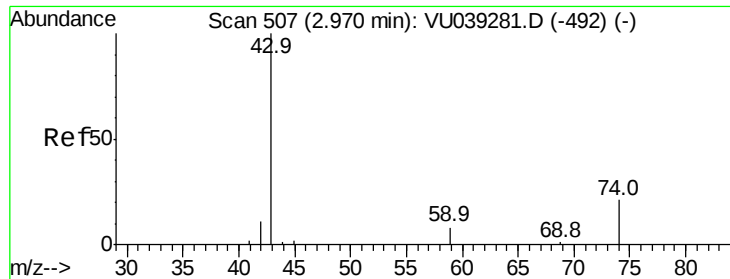
78 8.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039280.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU039280.D (-364) (-)

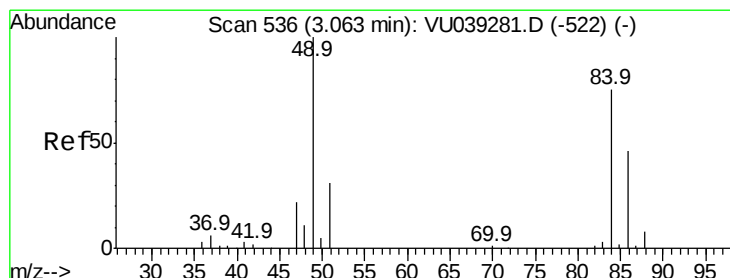
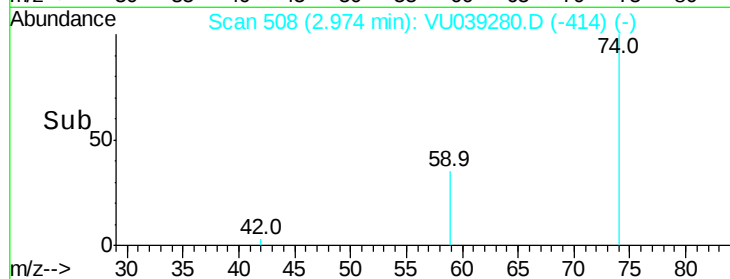
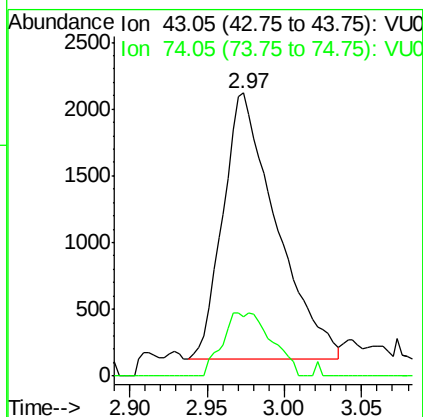
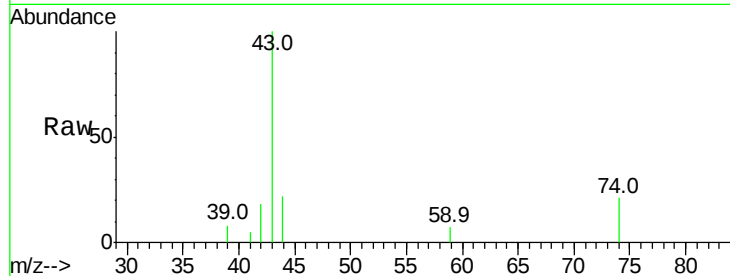




#15
Methyl Acetate
Concen: 0.942 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU039280.D
Acq: 06 Jul 2020 10:10

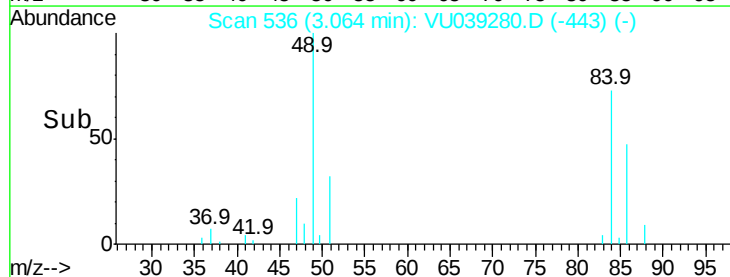
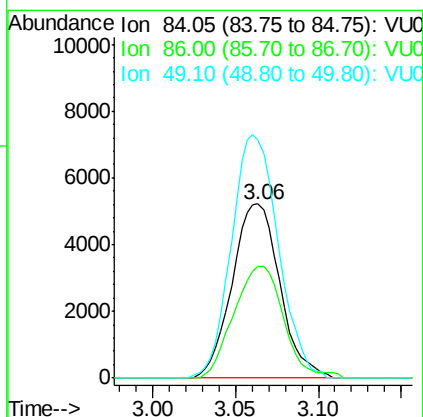
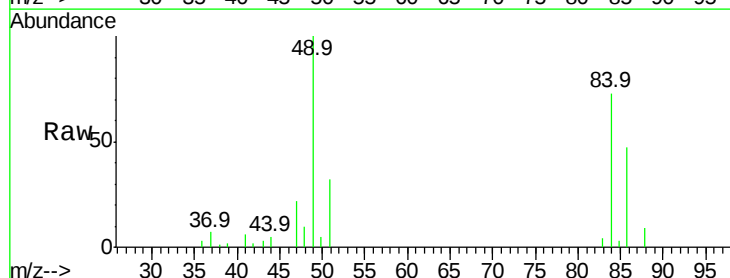
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

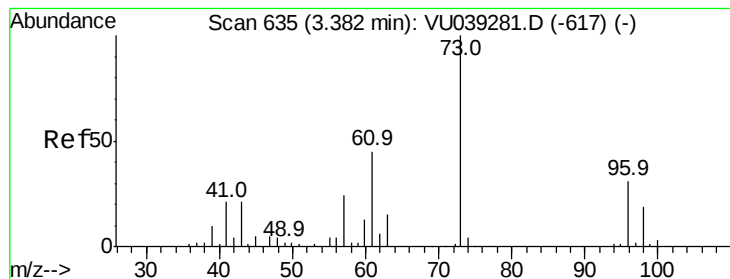
Tgt Ion: 43 Resp: 4763
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3



#16
Methylene chloride
Concen: 0.937 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039280.D
Acq: 06 Jul 2020 10:10

Tgt Ion: 84 Resp: 10434
Ion Ratio Lower Upper
84 100
86 64.2 42.6 79.0
49 144.6 93.0 172.8





#17

Methyl tert-butyl Ether

Concen: 0.926 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

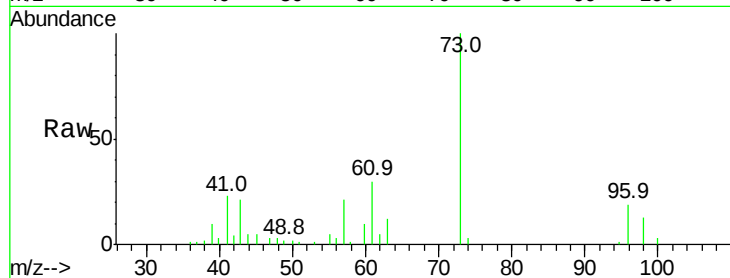
Tgt Ion: 73 Resp: 26399

Ion Ratio Lower Upper

73 100

43 23.4 17.5 26.3

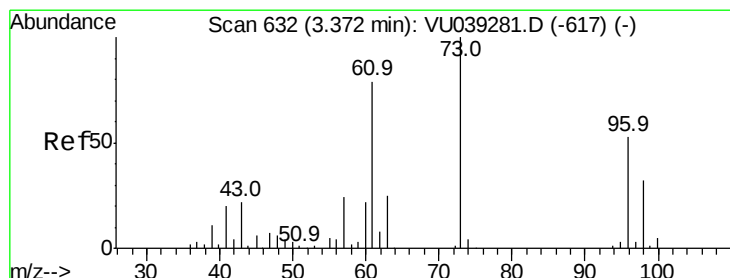
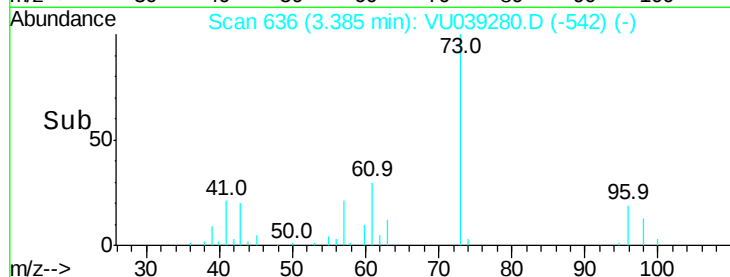
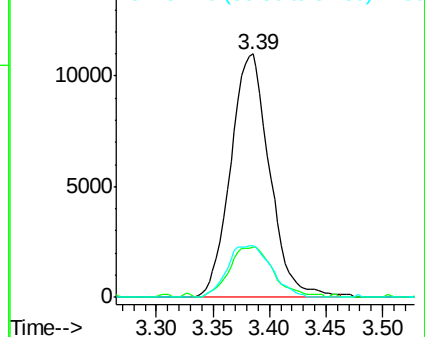
57 24.1 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU039280.D (-542) (-)

Ion 43.05 (42.75 to 43.75): VU039280.D (-542) (-)

Ion 57.10 (56.80 to 57.80): VU039280.D (-542) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.878 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

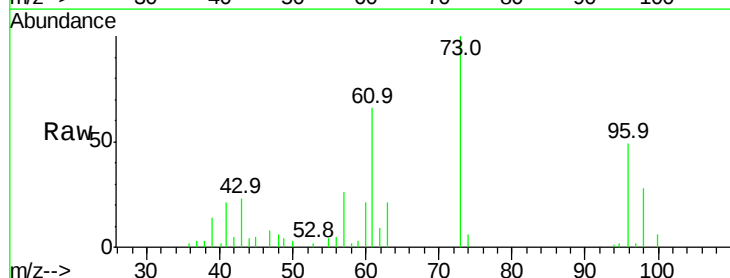
Tgt Ion: 96 Resp: 8733

Ion Ratio Lower Upper

96 100

61 136.8 104.7 194.5

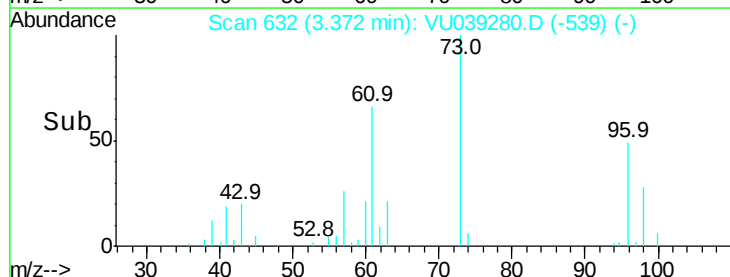
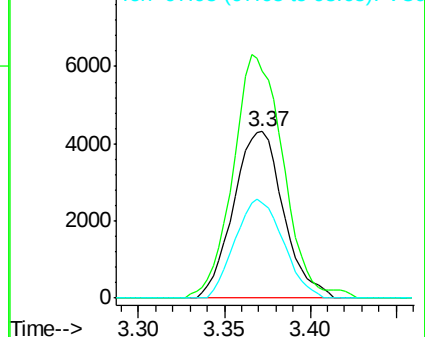
98 57.2 43.1 80.1

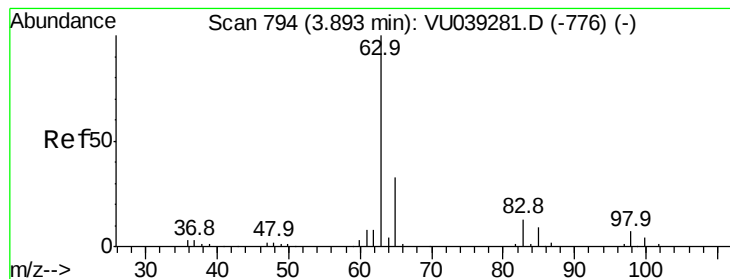


Abundance Ion 96.00 (95.70 to 96.70): VU039280.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039280.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039280.D (-539) (-)





#19

1,1-Dichloroethane

Concen: 0.822 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

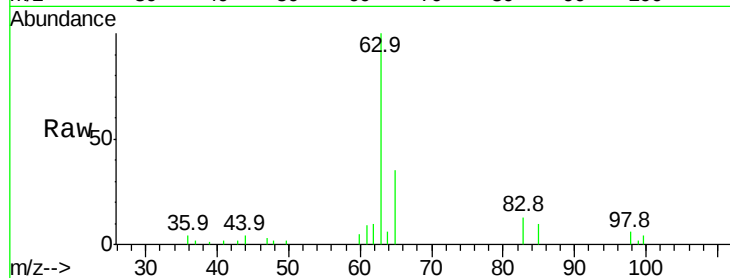
Tgt Ion: 63 Resp: 16501

Ion Ratio Lower Upper

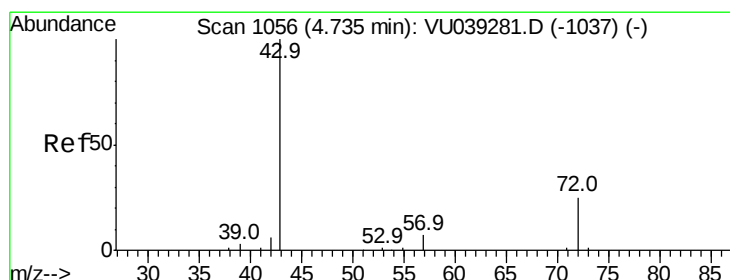
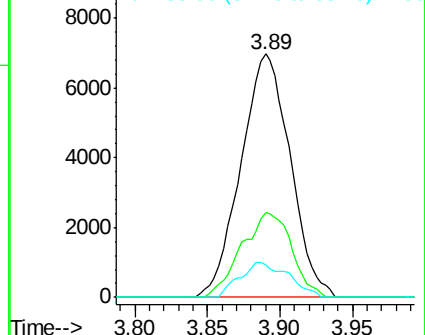
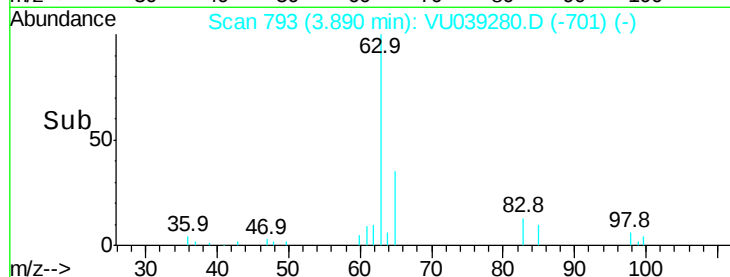
63 100

65 32.9 22.7 42.3

83 12.7 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU039280.D (-701) (-)



#21

2-Butanone

Concen: 10.086 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VU039280.D

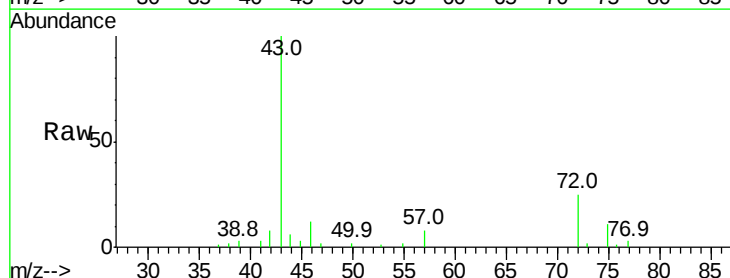
Acq: 06 Jul 2020 10:10

Tgt Ion: 43 Resp: 35673

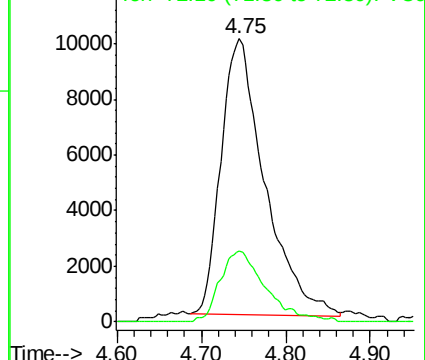
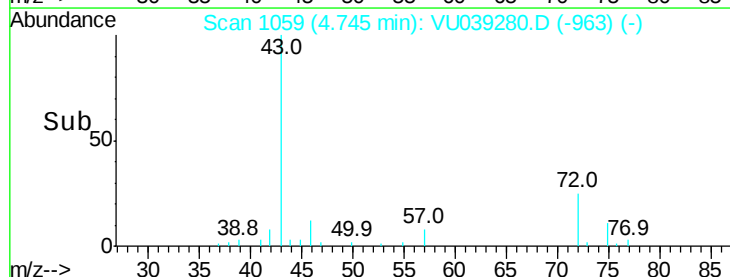
Ion Ratio Lower Upper

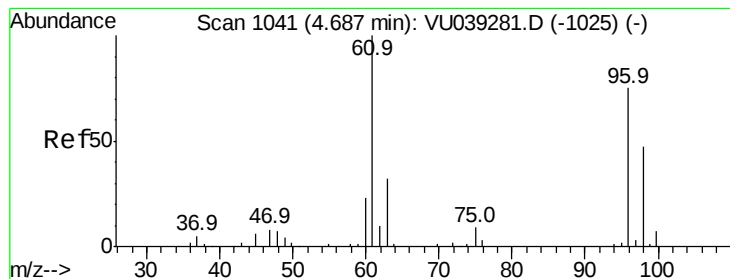
43 100

72 25.9 12.8 38.3



Abundance Ion 43.05 (42.75 to 43.75): VU039280.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.941 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

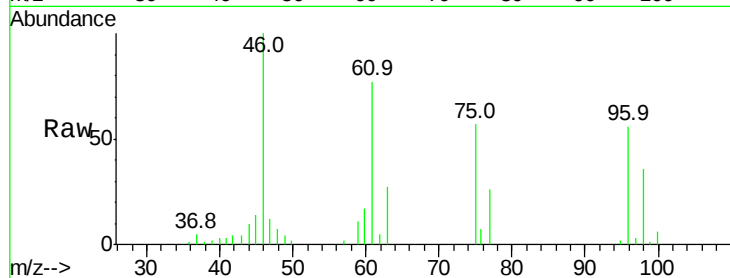
Tgt Ion: 96 Resp: 9632

Ion Ratio Lower Upper

96 100

61 136.1 93.7 173.9

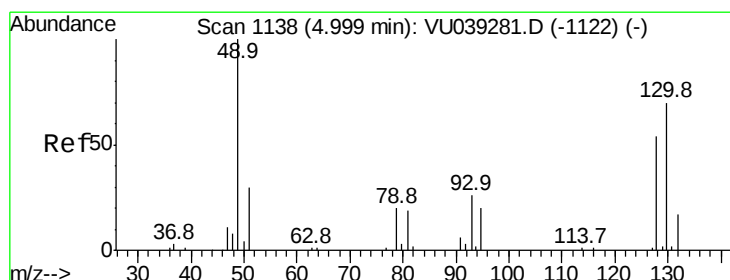
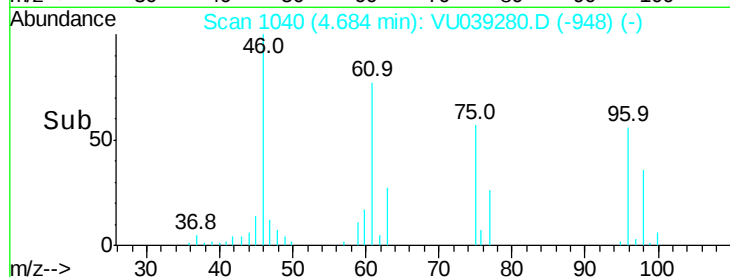
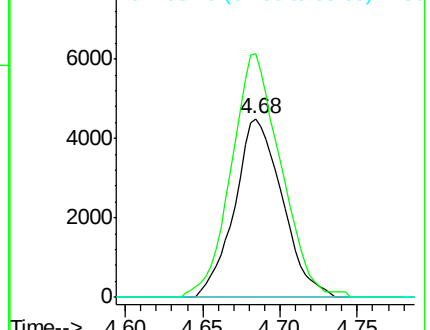
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039280.D (-1040) (-)

Ion 61.05 (60.75 to 61.75): VU039280.D (-1040) (-)

Ion 68.15 (67.85 to 68.85): VU039280.D (-1040) (-)



#23

Bromochloromethane

Concen: 0.835 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Tgt Ion: 128 Resp: 4157

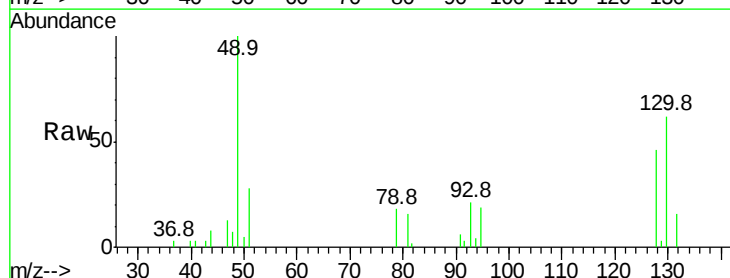
Ion Ratio Lower Upper

128 100

49 219.6 128.7 238.9

130 135.9 89.7 166.5

51 62.1 43.5 65.3

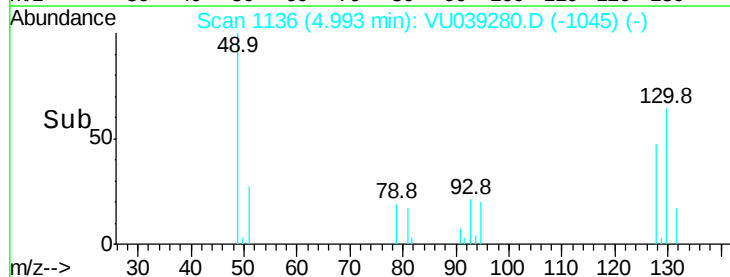
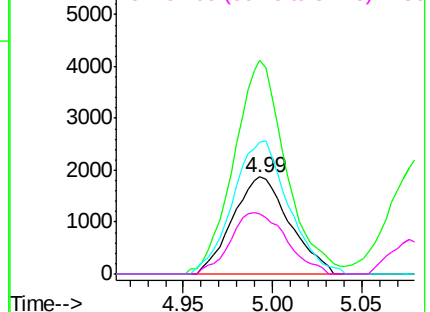


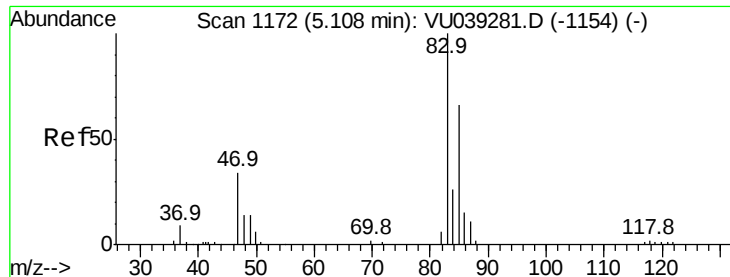
Abundance Ion 127.90 (127.60 to 128.60): VU039280.D (-1136) (-)

Ion 49.10 (48.80 to 49.80): VU039280.D (-1136) (-)

Ion 129.95 (129.65 to 130.65): VU039280.D (-1136) (-)

Ion 51.05 (50.75 to 51.75): VU039280.D (-1136) (-)





#25

Chloroform

Concen: 0.870 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

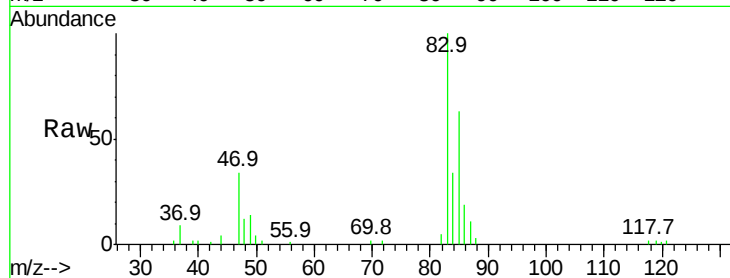
VSTD00105

Tgt Ion: 83 Resp: 18100

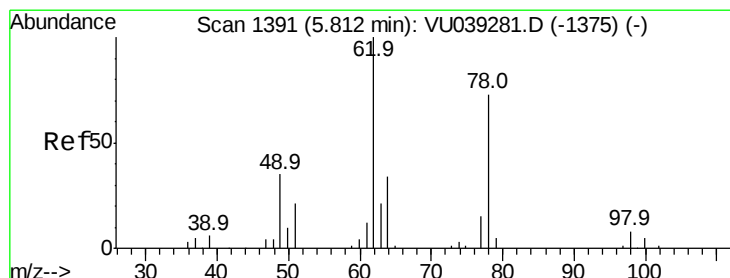
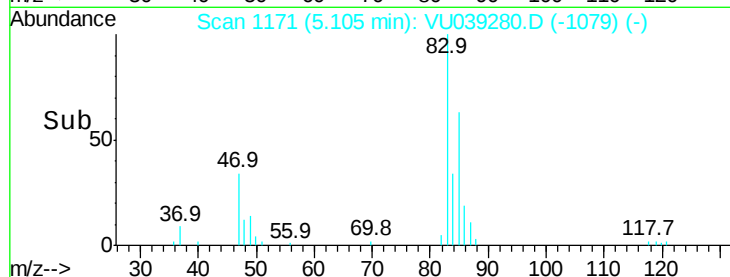
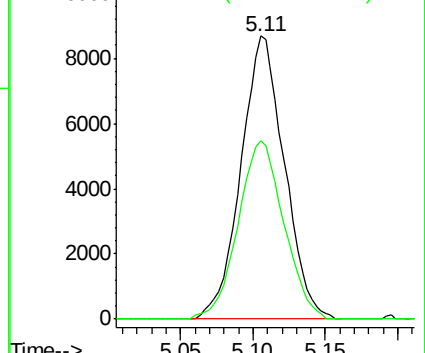
Ion Ratio Lower Upper

83 100

85 63.0 46.3 86.1



Abundance Ion 83.05 (82.75 to 83.75): VU039280.D (-1079) (-)



#27

1,2-Dichloroethane

Concen: 0.907 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU039280.D

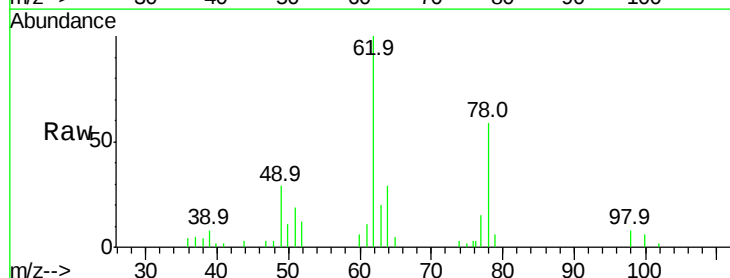
Acq: 06 Jul 2020 10:10

Tgt Ion: 62 Resp: 13262

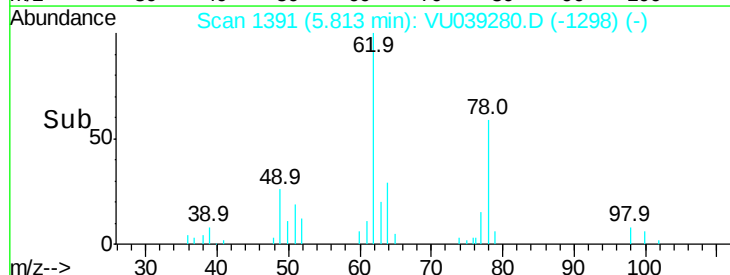
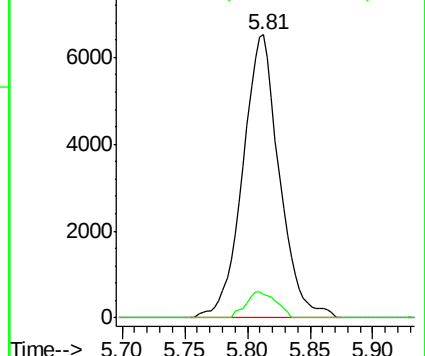
Ion Ratio Lower Upper

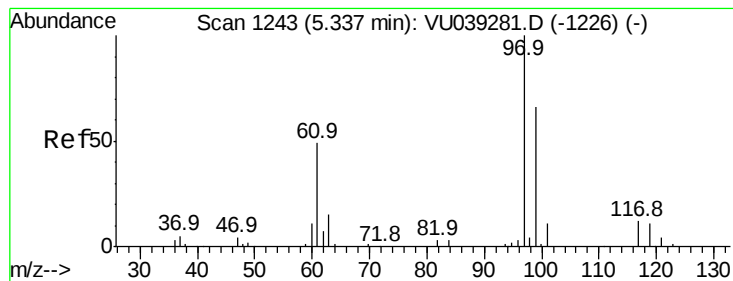
62 100

98 8.3 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU039280.D (-1298) (-)





#29

1,1,1-Trichloroethane

Concen: 0.977 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

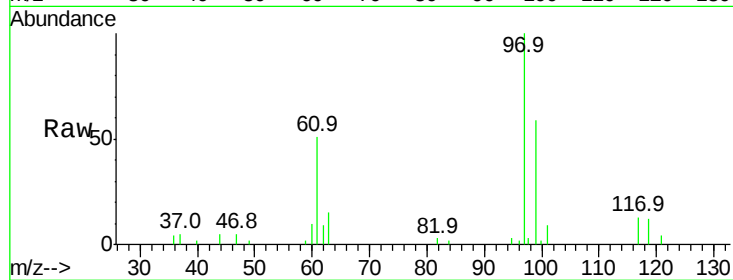
Tgt Ion: 97 Resp: 15418

Ion Ratio Lower Upper

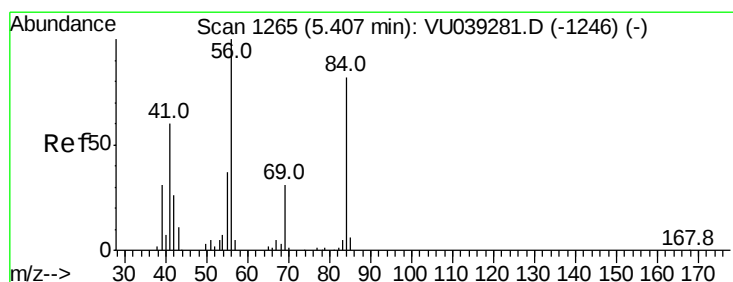
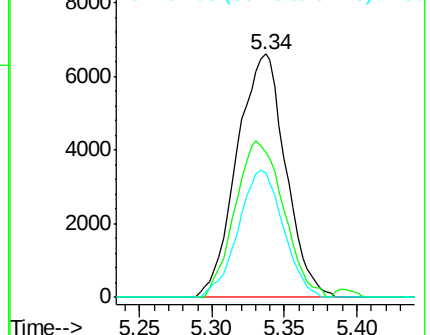
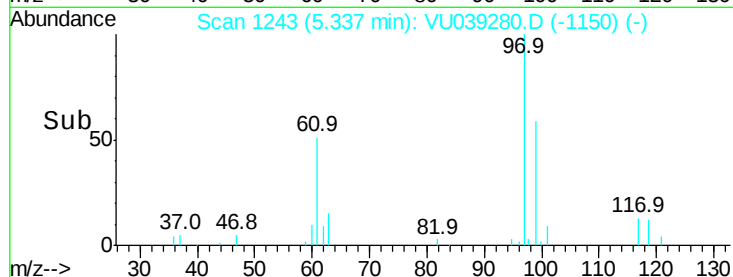
97 100

99 64.0 51.1 76.7

61 48.2 37.9 56.9



Abundance Ion 96.95 (96.65 to 97.65): VU039280.D (-1150) (-)



#30

Cyclohexane

Concen: 1.093 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

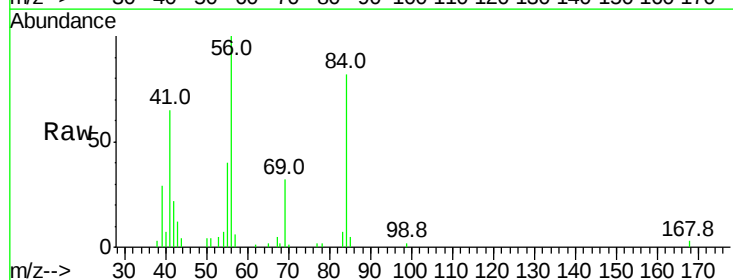
Tgt Ion: 56 Resp: 15413

Ion Ratio Lower Upper

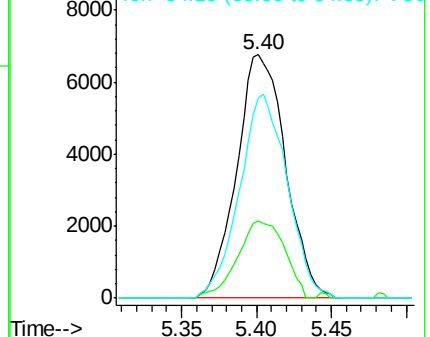
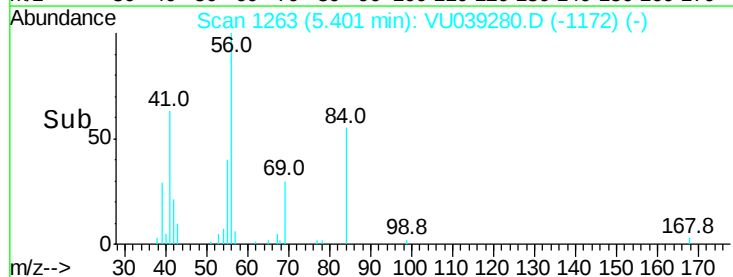
56 100

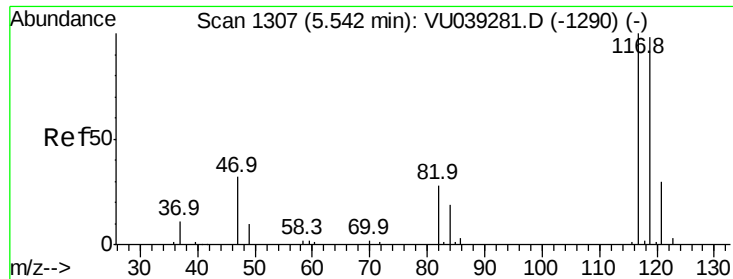
69 30.6 24.2 36.4

84 81.6 67.0 100.4



Abundance Ion 56.10 (55.80 to 56.80): VU039280.D (-1172) (-)





#31

Carbon tetrachloride

Concen: 0.968 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

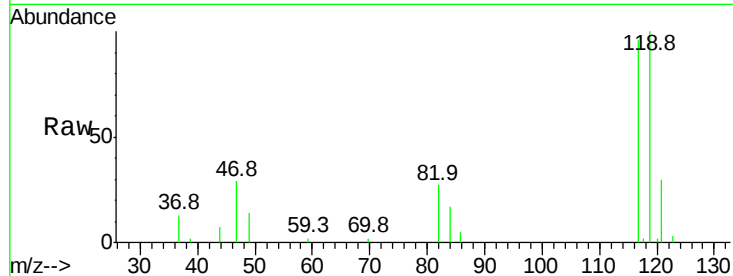
VSTD00105

Tgt Ion:117 Resp: 12709

Ion Ratio Lower Upper

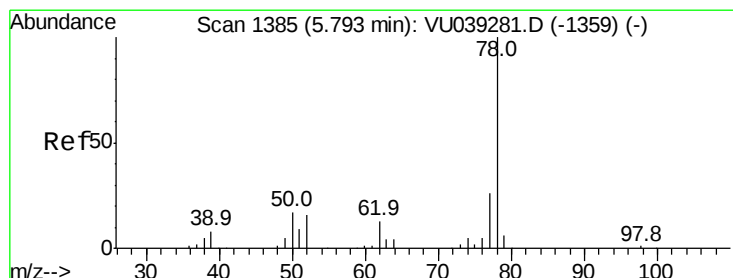
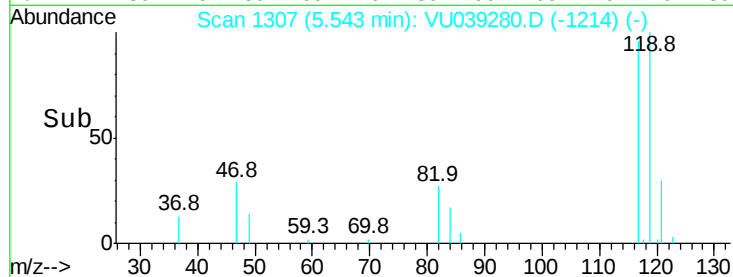
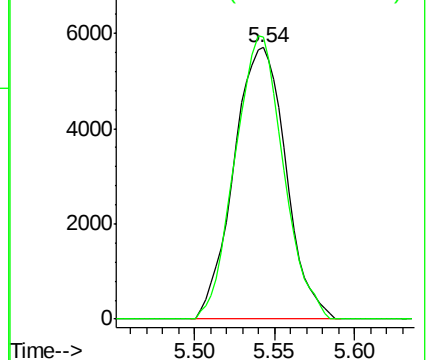
117 100

119 96.7 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.043 ug/L

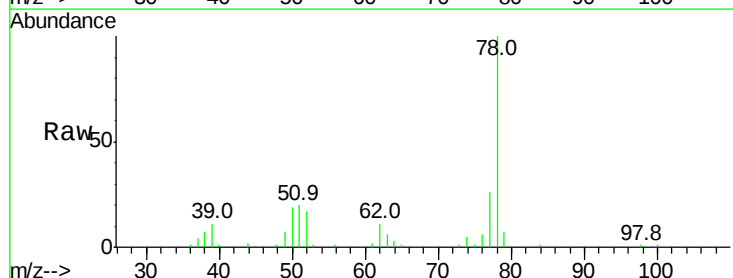
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

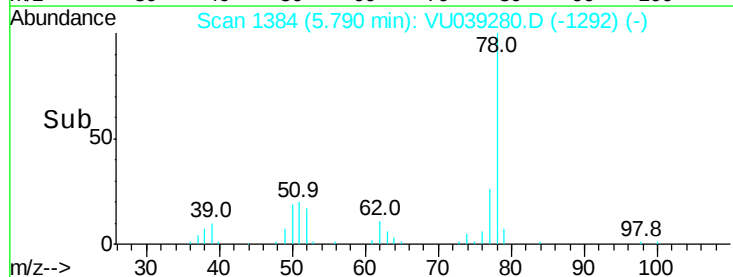
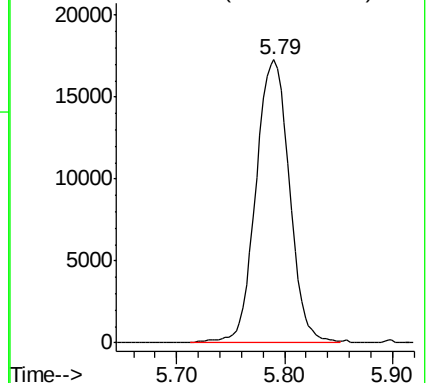
Lab File: VU039280.D

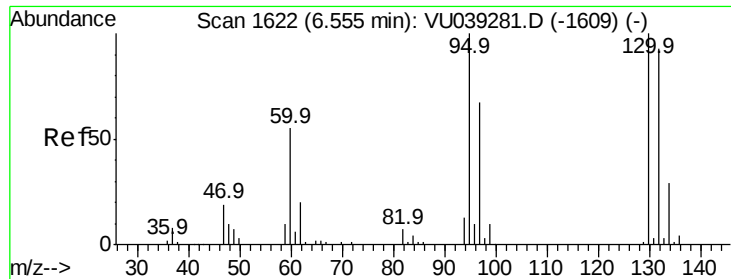
Acq: 06 Jul 2020 10:10

Tgt Ion: 78 Resp: 37339



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.042 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

Tgt Ion: 95 Resp: 9661

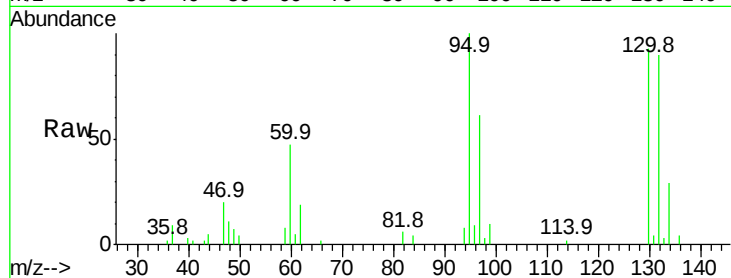
Ion Ratio Lower Upper

95 100

97 61.3 47.0 87.2

132 90.1 65.0 120.8

130 92.7 69.8 129.6

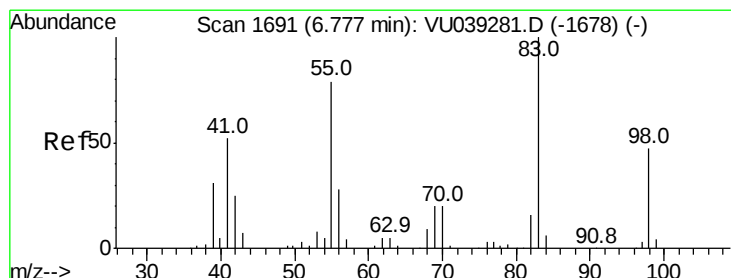
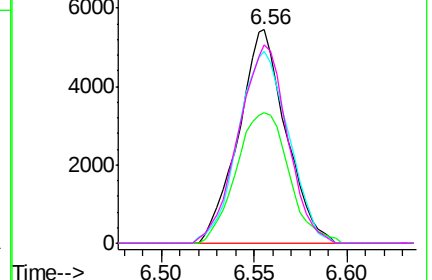
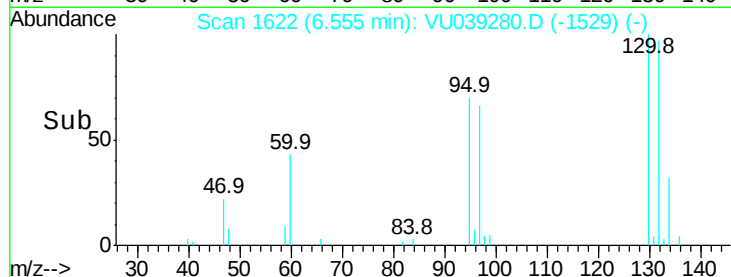


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.083 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

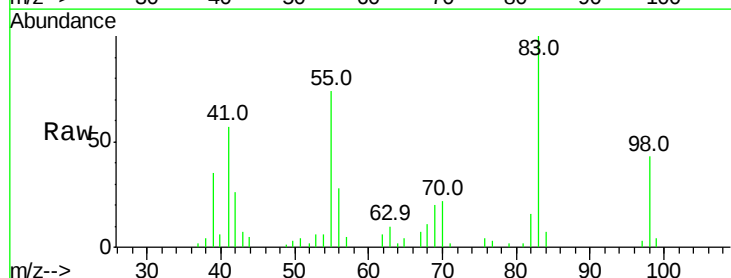
Tgt Ion: 83 Resp: 14861

Ion Ratio Lower Upper

83 100

55 78.6 63.3 94.9

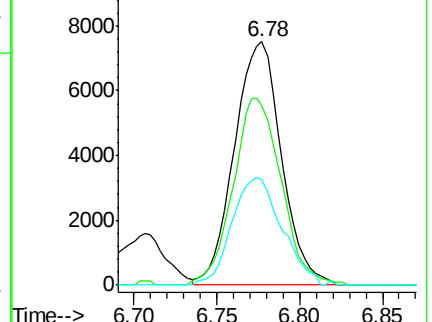
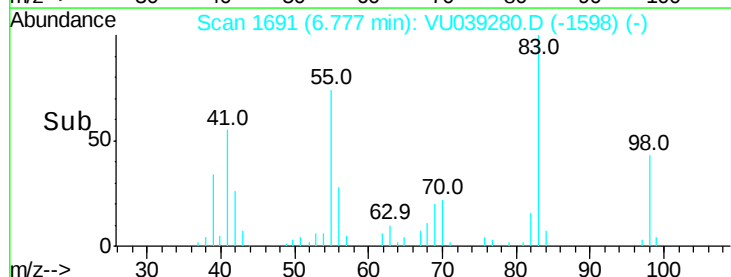
98 46.6 37.4 56.2

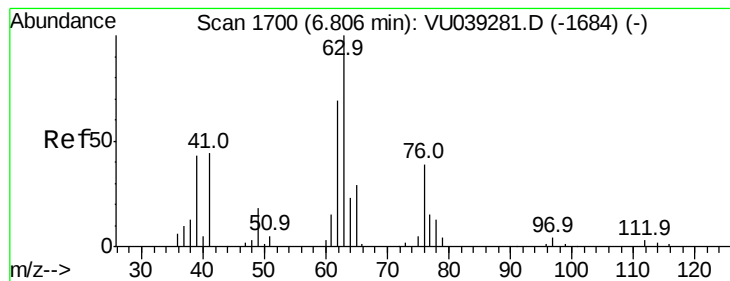


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.124 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

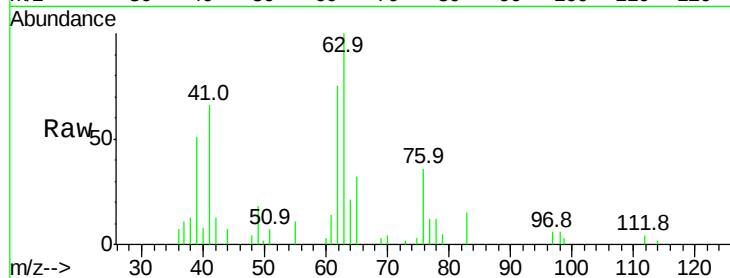
VSTD00105

Tgt Ion: 63 Resp: 10645

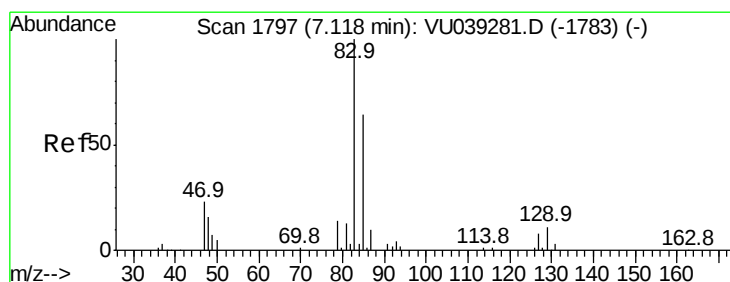
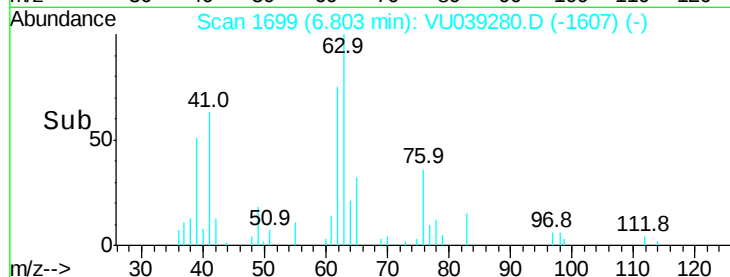
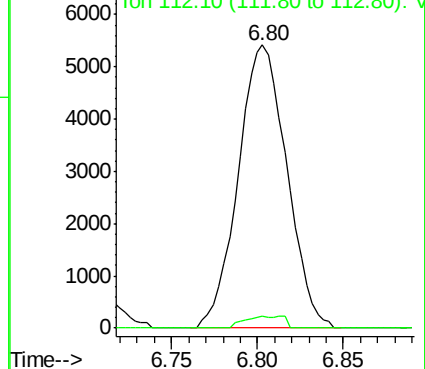
Ion Ratio Lower Upper

63 100

112 3.4 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VU039280.D (-1697) (-)



#38

Bromodichloromethane

Concen: 1.025 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

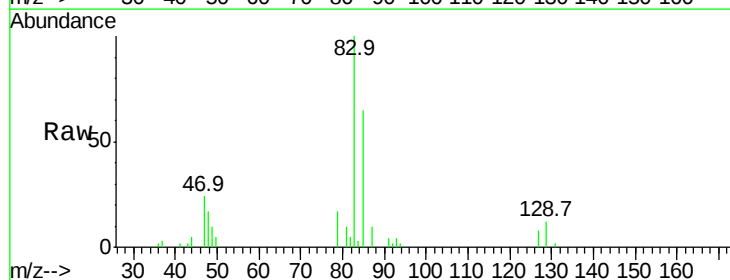
Tgt Ion: 83 Resp: 13182

Ion Ratio Lower Upper

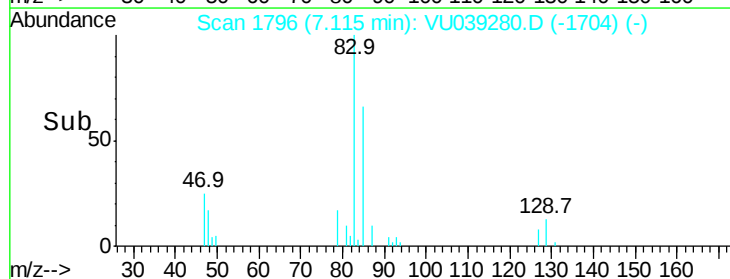
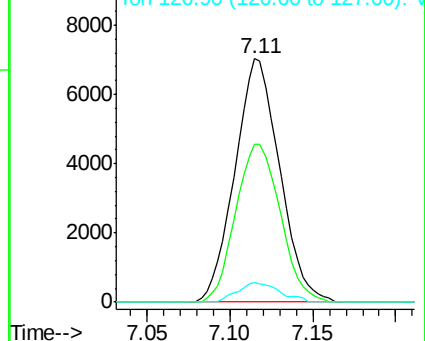
83 100

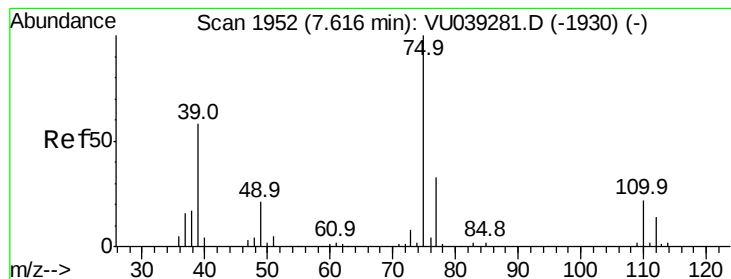
85 64.7 44.5 82.7

127 8.0 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU039280.D (-1796) (-)



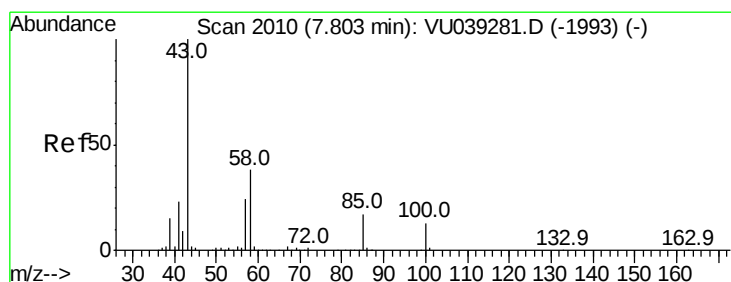
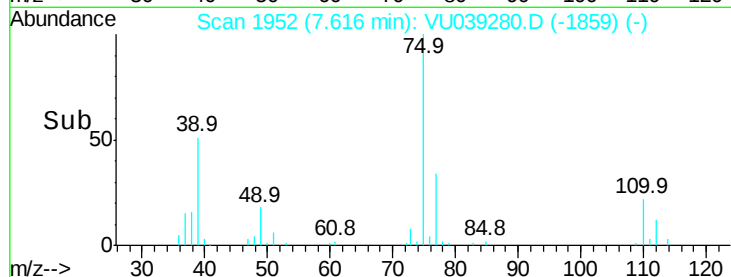
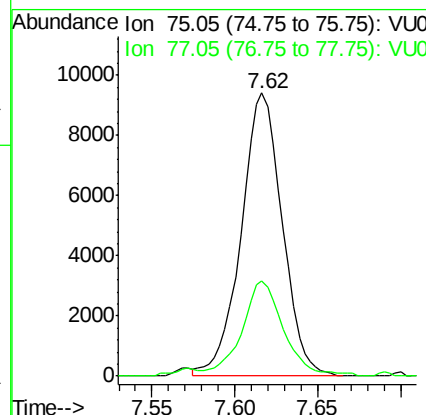
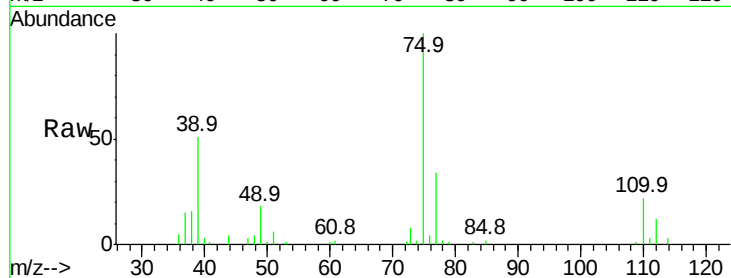


#39

cis-1,3-Dichloropropene
 Concen: 1.095 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039280.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

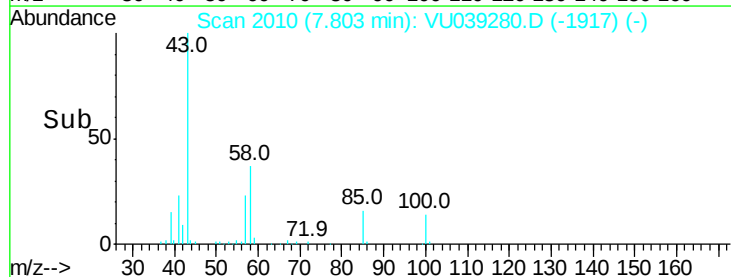
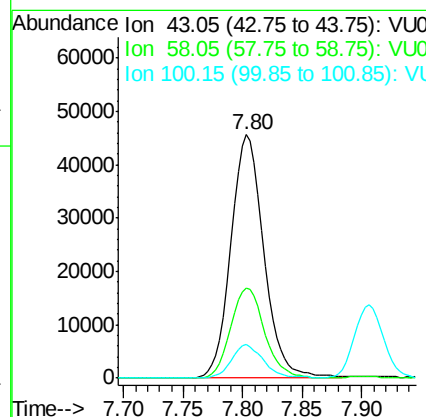
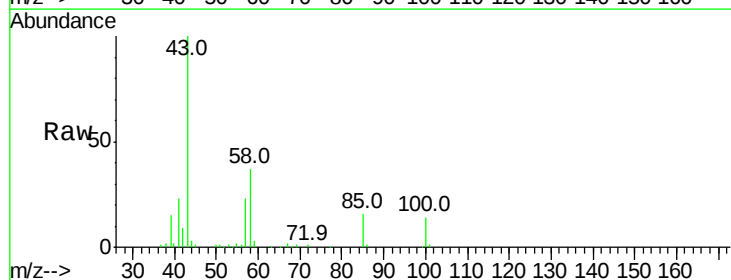
Tgt Ion: 75 Resp: 16209
 Ion Ratio Lower Upper
 75 100
 77 33.9 23.3 43.3

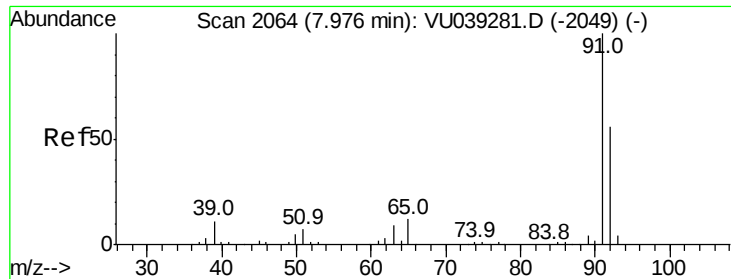


#40

4-Methyl-2-pentanone
 Concen: 11.340 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039280.D
 Acq: 06 Jul 2020 10:10

Tgt Ion: 43 Resp: 87636
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.3 45.5
 100 13.2 10.6 15.8





#42

Toluene

Concen: 0.982 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

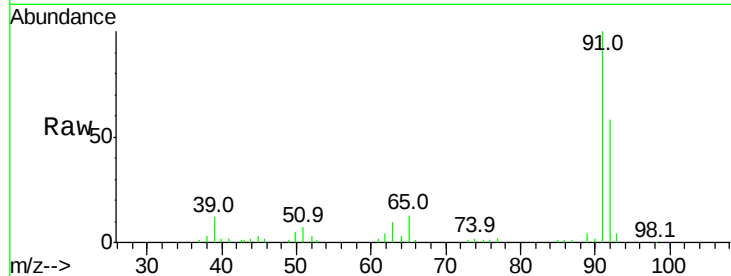
VSTD00105

Tgt Ion: 91 Resp: 39499

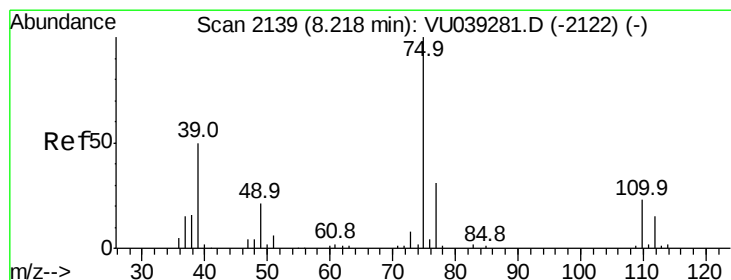
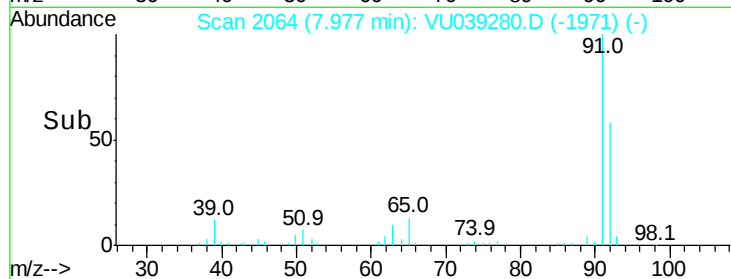
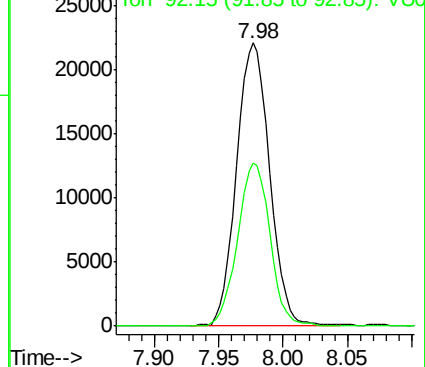
Ion Ratio Lower Upper

91 100

92 57.8 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU039280.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.934 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039280.D

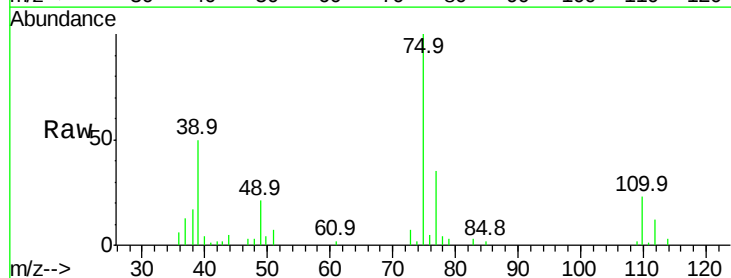
Acq: 06 Jul 2020 10:10

Tgt Ion: 75 Resp: 13624

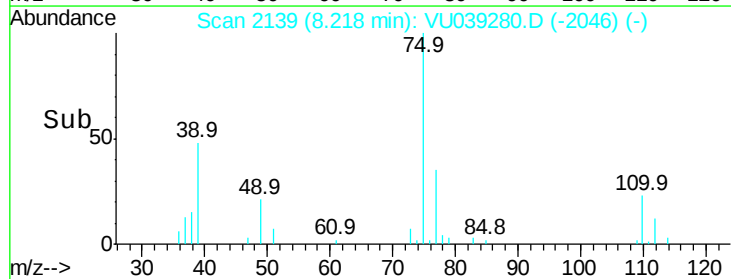
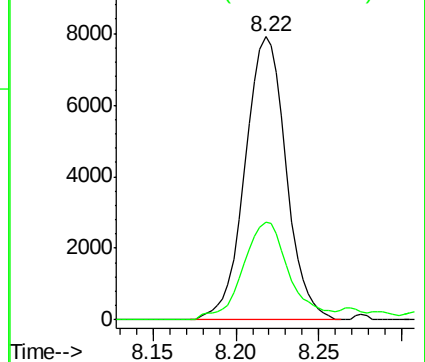
Ion Ratio Lower Upper

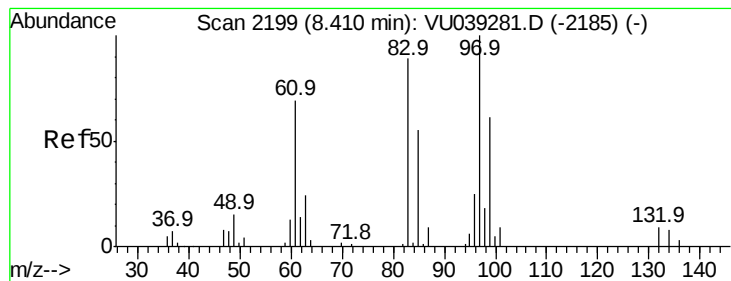
75 100

77 34.6 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU039280.D (-2046) (-)





#45

1,1,2-Trichloroethane

Concen: 0.937 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

Tgt Ion: 97 Resp: 7422

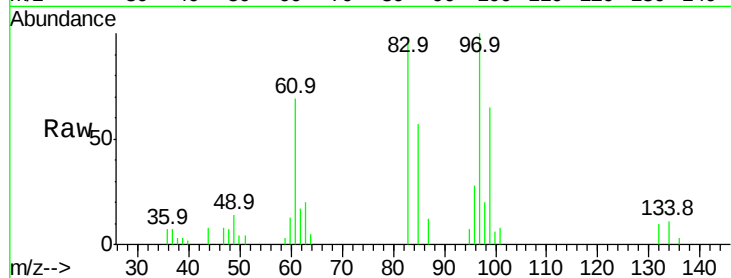
Ion Ratio Lower Upper

97 100

99 65.4 42.5 78.9

83 98.2 62.2 115.4

85 57.1 38.7 71.9

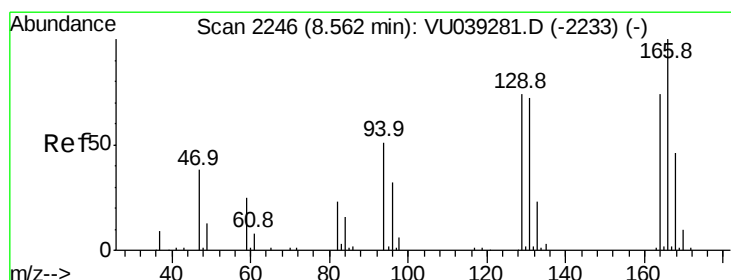
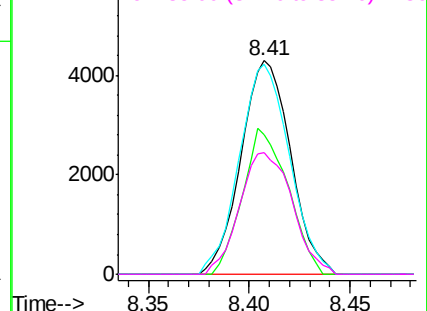
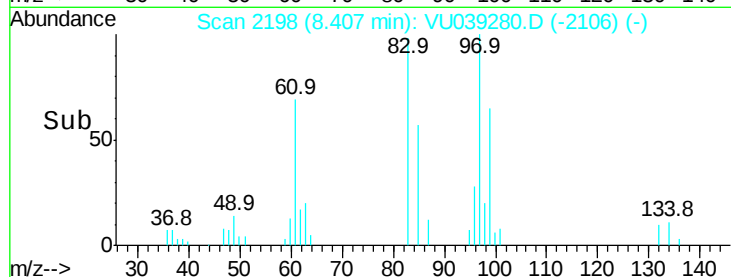


Abundance Ion 96.95 (96.65 to 97.65): VU039280.D (-2106) (-)

Ion 99.05 (98.75 to 99.75): VU039280.D (-2106) (-)

Ion 82.95 (82.65 to 83.65): VU039280.D (-2106) (-)

Ion 85.00 (84.70 to 85.70): VU039280.D (-2106) (-)



#47

Tetrachloroethene

Concen: 0.993 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Tgt Ion: 164 Resp: 6857

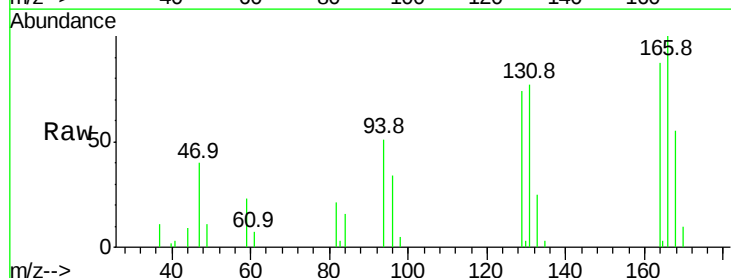
Ion Ratio Lower Upper

164 100

129 85.6 70.5 130.9

131 88.7 68.7 127.5

166 115.5 94.9 176.3

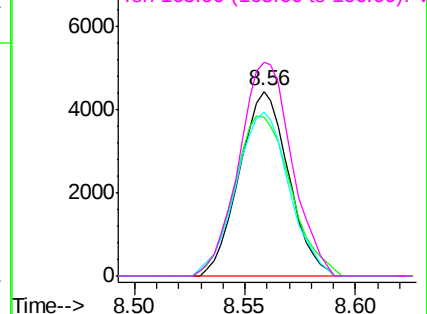
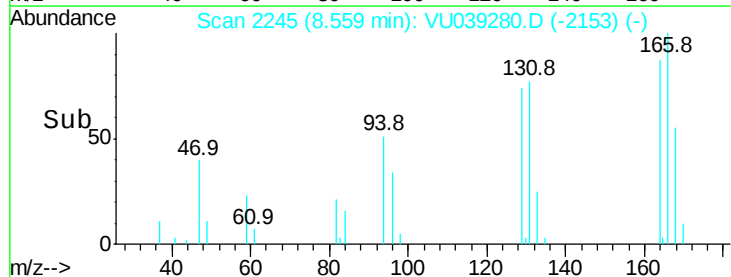


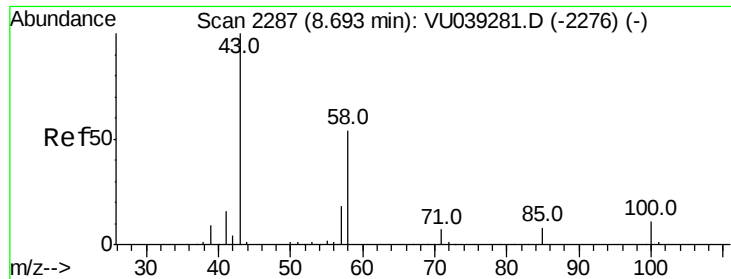
Abundance Ion 163.90 (163.60 to 164.60): VU039280.D (-2153) (-)

Ion 128.95 (128.65 to 129.65): VU039280.D (-2153) (-)

Ion 130.95 (130.65 to 131.65): VU039280.D (-2153) (-)

Ion 165.90 (165.60 to 166.60): VU039280.D (-2153) (-)

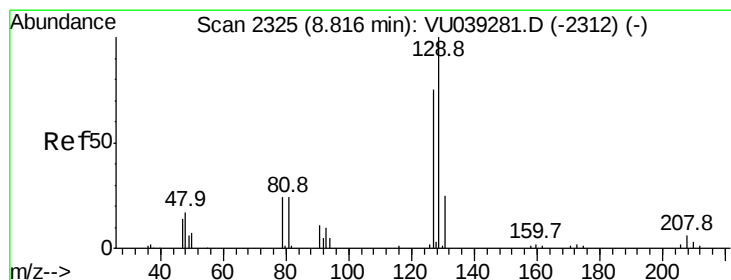
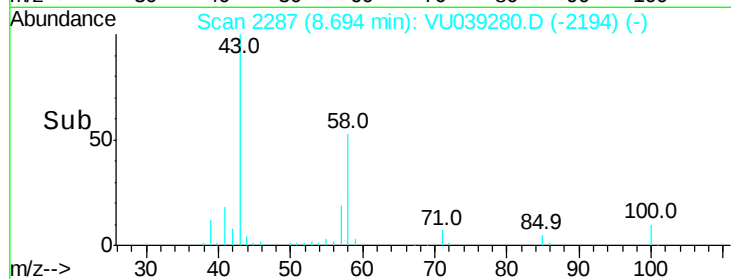
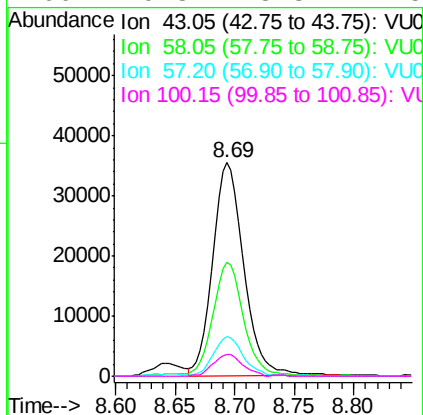
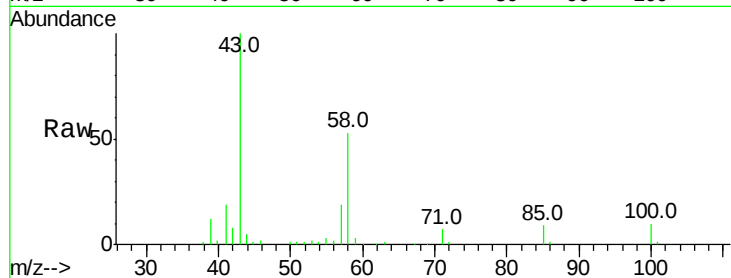




#48
2-Hexanone
Concen: 10.159 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039280.D
Acq: 06 Jul 2020 10:10

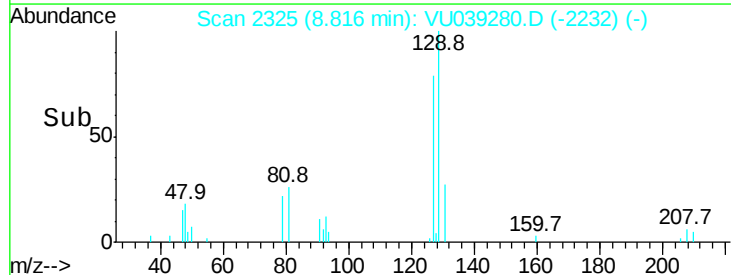
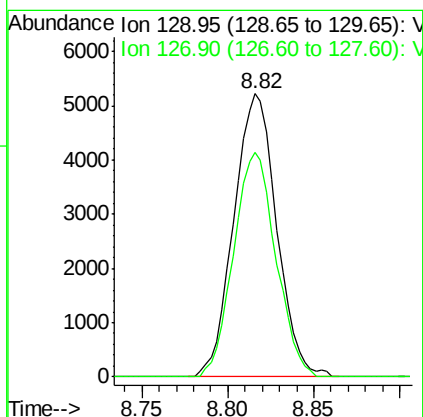
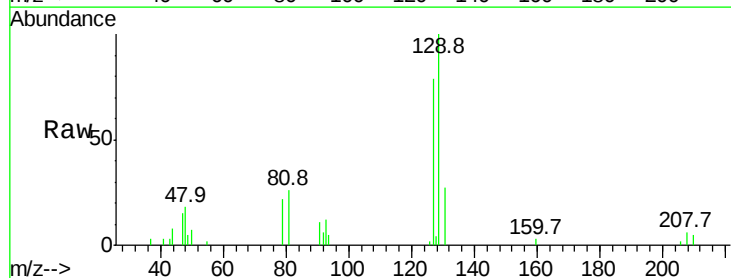
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

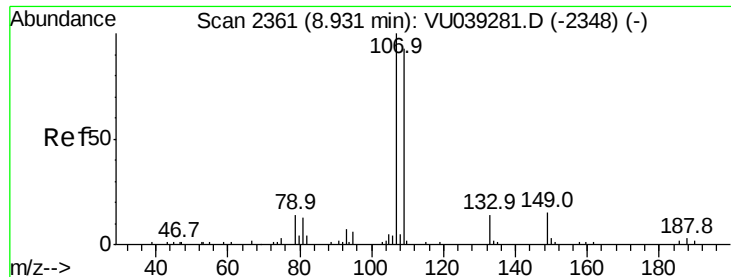
Tgt Ion: 43 Resp: 63940
Ion Ratio Lower Upper
43 100
58 53.9 43.1 64.7
57 18.3 14.4 21.6
100 9.8 8.3 12.5



#49
Dibromochloromethane
Concen: 1.015 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039280.D
Acq: 06 Jul 2020 10:10

Tgt Ion: 129 Resp: 9020
Ion Ratio Lower Upper
129 100
127 79.5 52.6 97.8

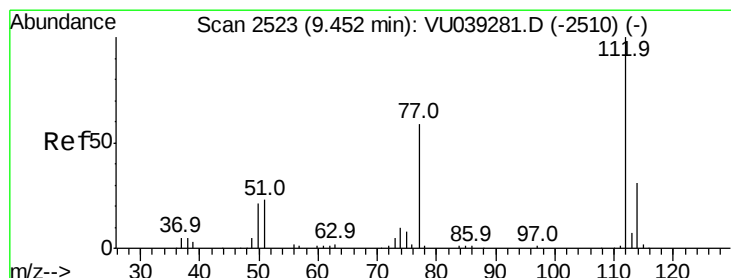
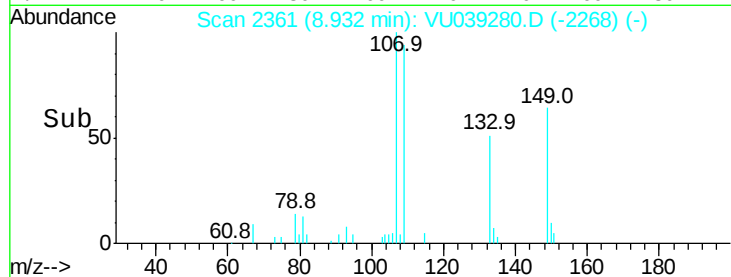
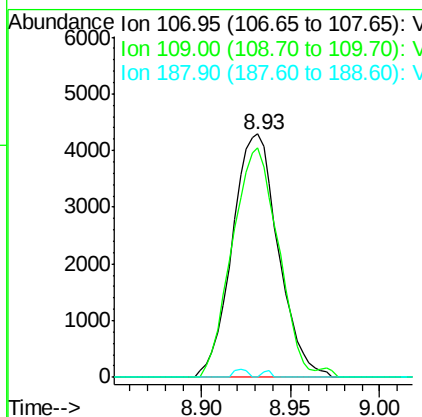
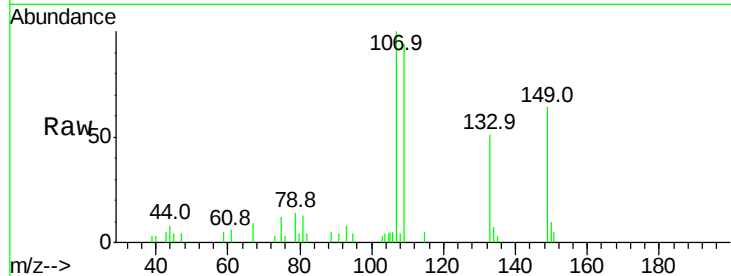




#50
 1,2-Dibromoethane
 Concen: 1.029 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039280.D
 Acq: 06 Jul 2020 10:10

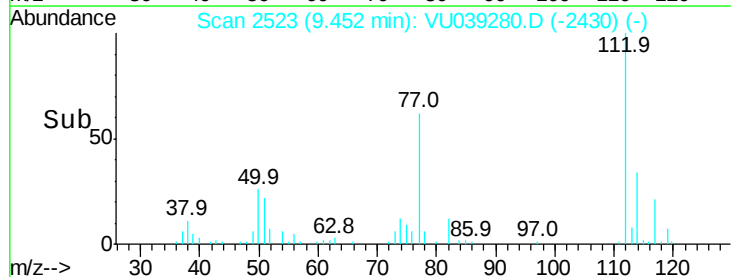
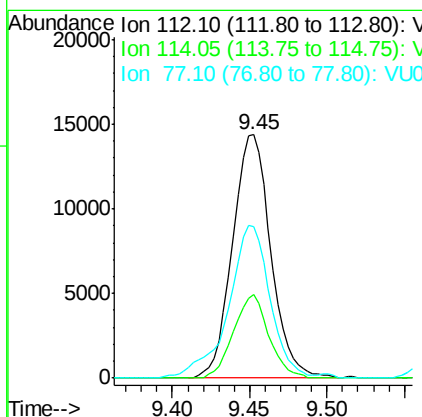
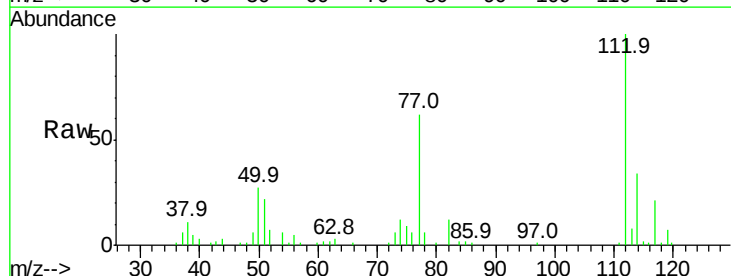
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

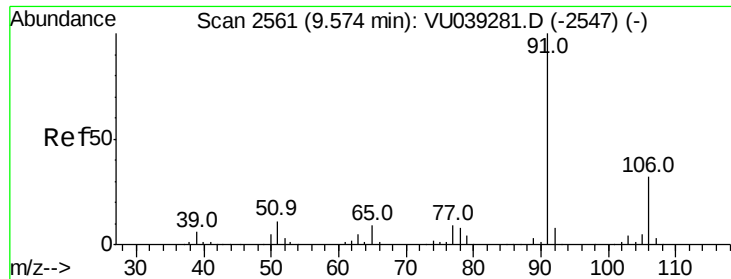
Tgt Ion:107 Resp: 7730
 Ion Ratio Lower Upper
 107 100
 109 94.2 64.8 120.4
 188 0.0 2.7 4.1#



#51
 Chlorobenzene
 Concen: 0.968 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039280.D
 Acq: 06 Jul 2020 10:10

Tgt Ion:112 Resp: 24749
 Ion Ratio Lower Upper
 112 100
 114 34.2 21.9 40.7
 77 62.2 48.2 72.4





#52

Ethylbenzene

Concen: 1.012 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

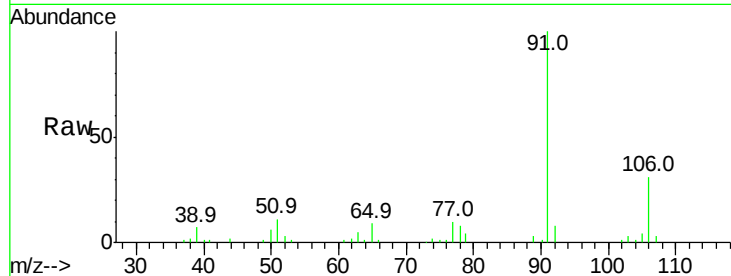
VSTD00105

Tgt Ion: 91 Resp: 43650

Ion Ratio Lower Upper

91 100

106 30.7 22.1 41.1

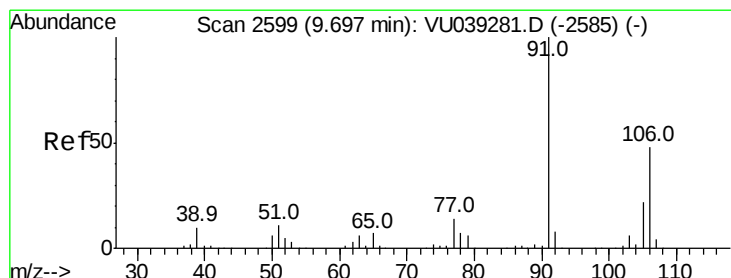
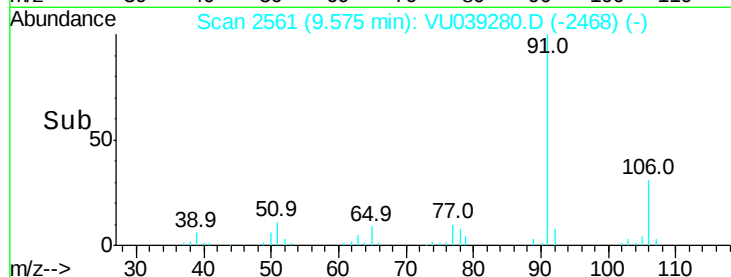


Abundance Ion 91.15 (90.85 to 91.85): VU039280.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU039280.D (-2547) (-)

9.57

Time-->



#53

m,p-Xylene

Concen: 1.045 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.00 min

Lab File: VU039280.D

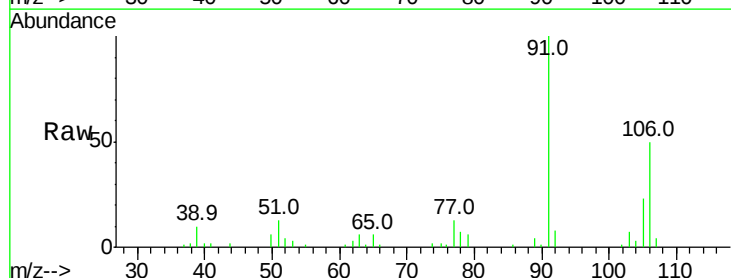
Acq: 06 Jul 2020 10:10

Tgt Ion: 106 Resp: 16495

Ion Ratio Lower Upper

106 100

91 200.9 146.6 272.2

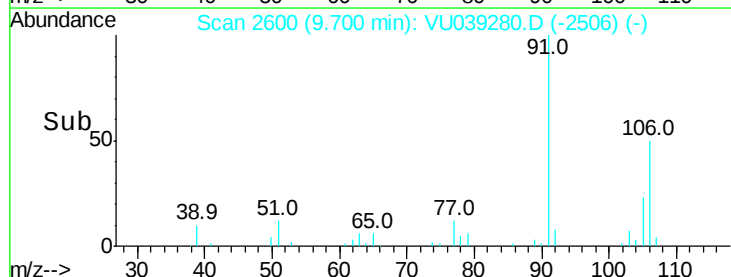


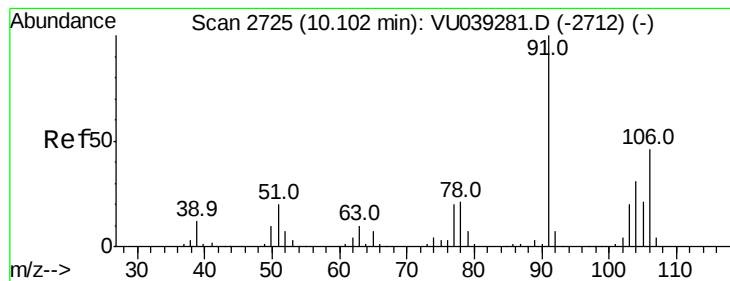
Abundance Ion 106.15 (105.85 to 106.85): VU039280.D (-2599) (-)

Ion 91.15 (90.85 to 91.85): VU039280.D (-2599) (-)

9.70

Time-->





#54

o-Xylene

Concen: 1.097 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

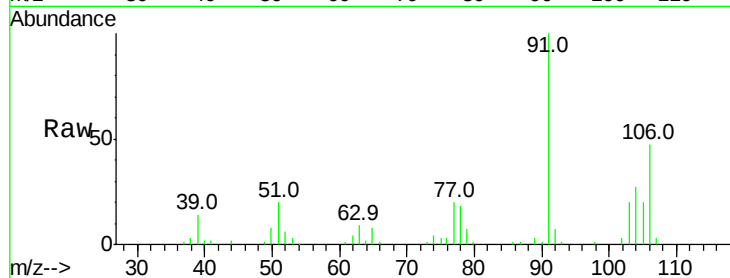
VSTD00105

Tgt Ion:106 Resp: 16627

Ion Ratio Lower Upper

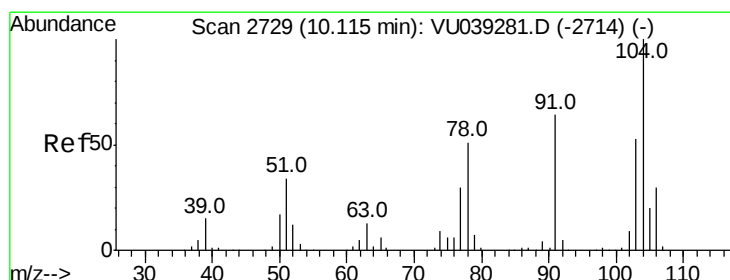
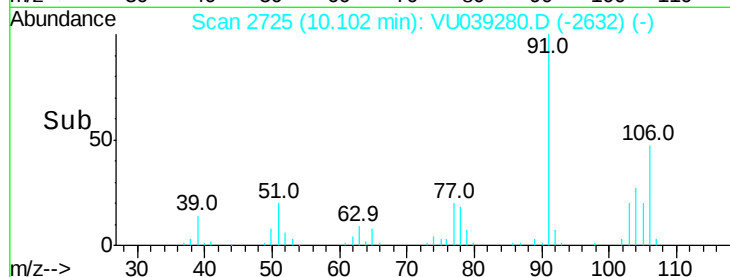
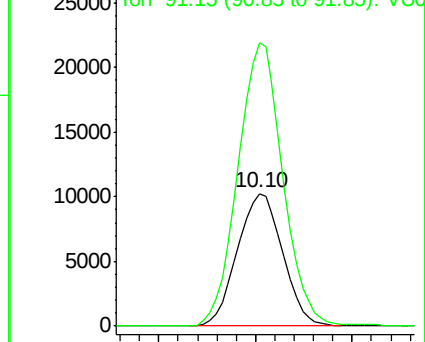
106 100

91 213.3 153.6 285.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 1.017 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU039280.D

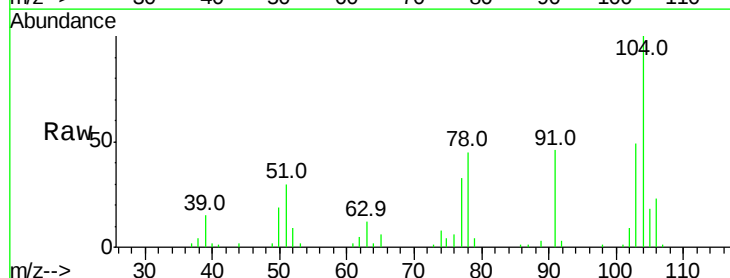
Acq: 06 Jul 2020 10:10

Tgt Ion:104 Resp: 27187

Ion Ratio Lower Upper

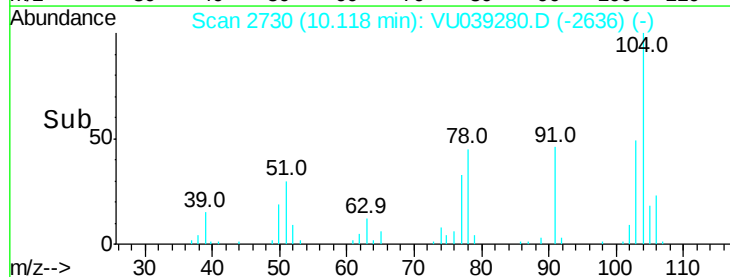
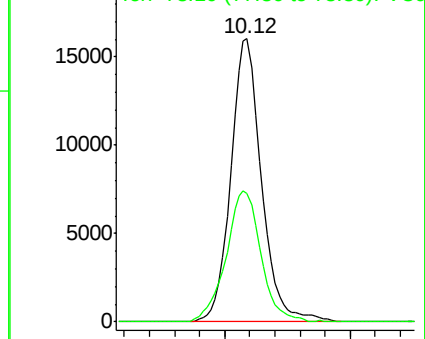
104 100

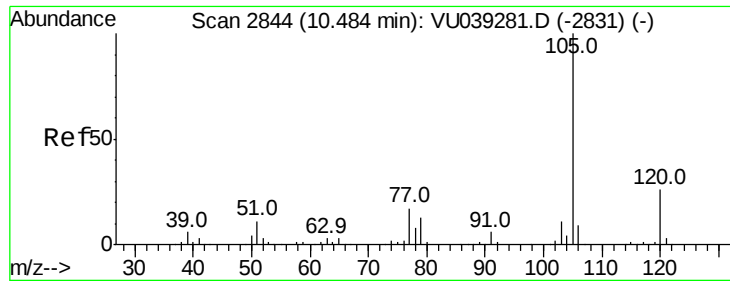
78 45.4 35.5 65.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.077 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

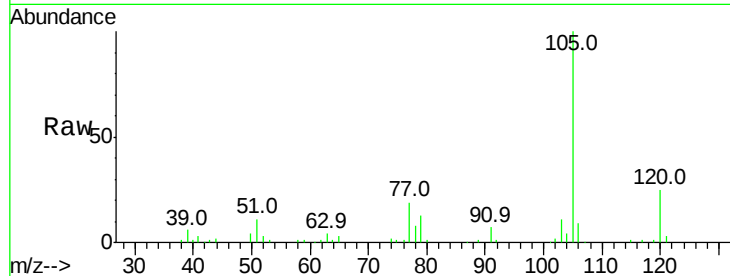
Tgt Ion: 105 Resp: 43448

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

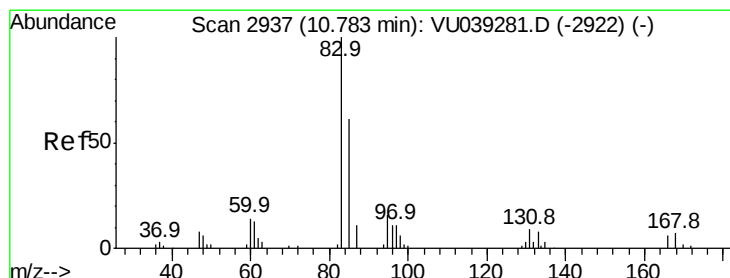
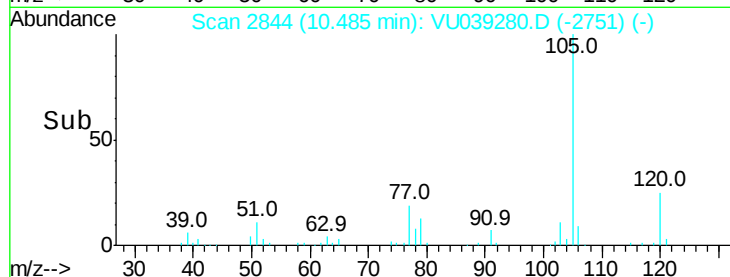
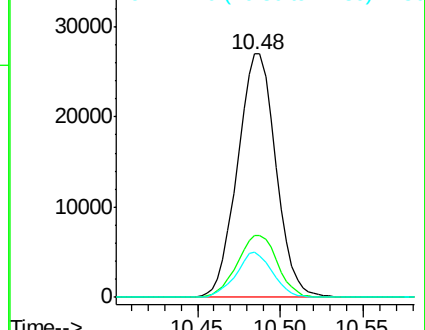
77 17.7 13.7 20.5



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: 1.009 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

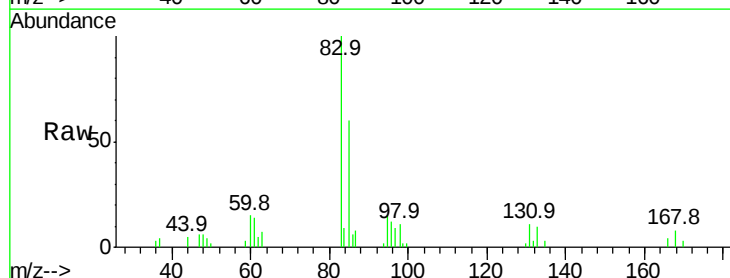
Tgt Ion: 83 Resp: 10563

Ion Ratio Lower Upper

83 100

85 59.6 43.0 79.8

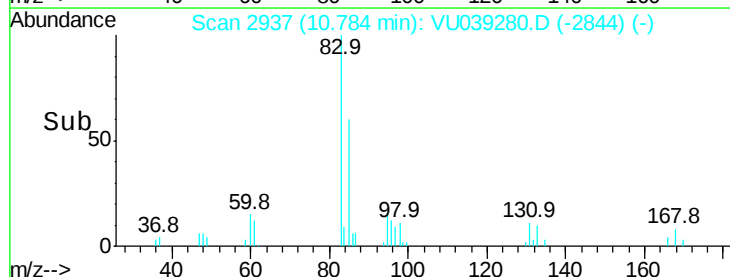
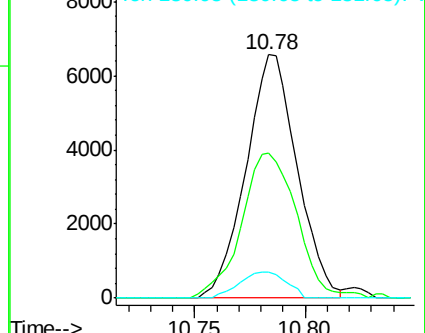
131 10.6 7.4 11.2

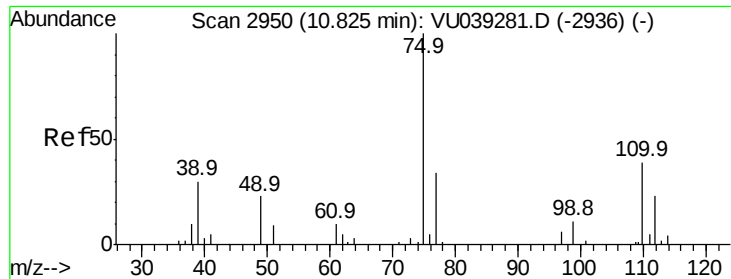


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

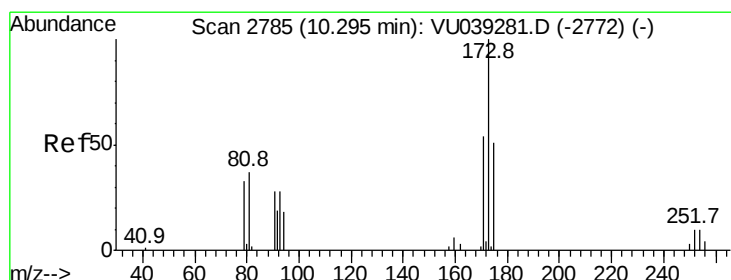
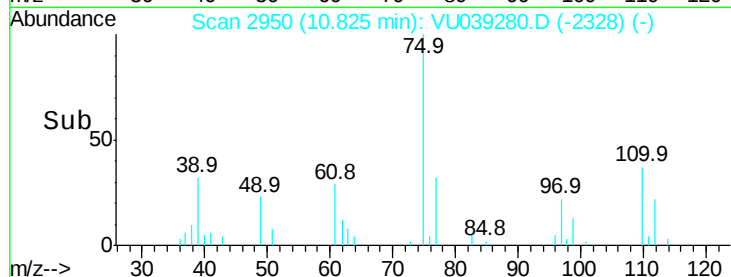
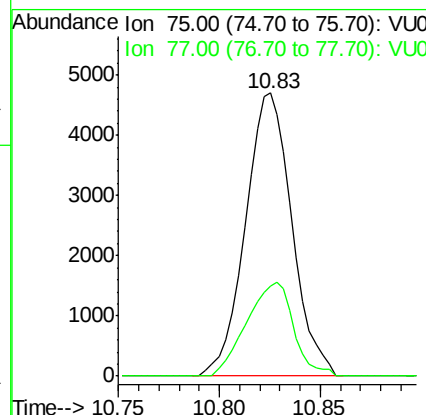
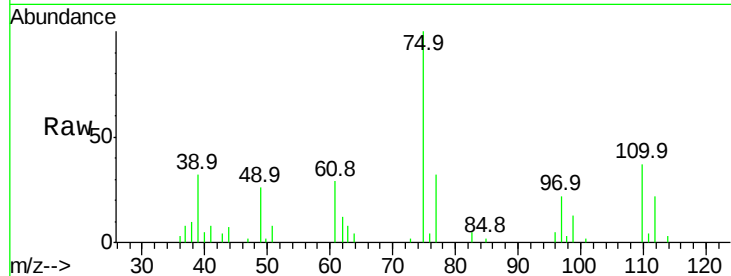




#59
 1,2,3-Trichloropropane
 Concen: 0.965 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039280.D
 Acq: 06 Jul 2020 10:10

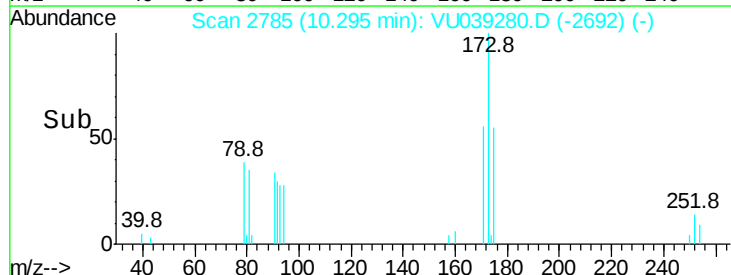
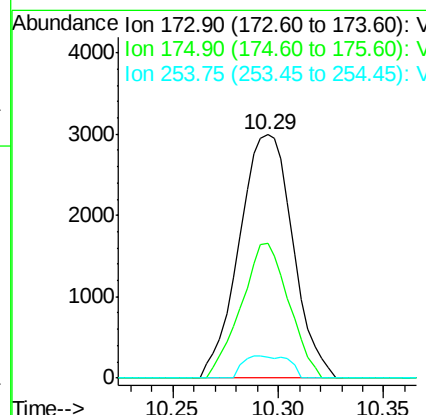
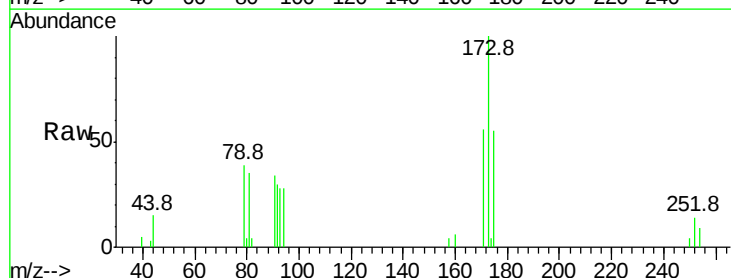
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

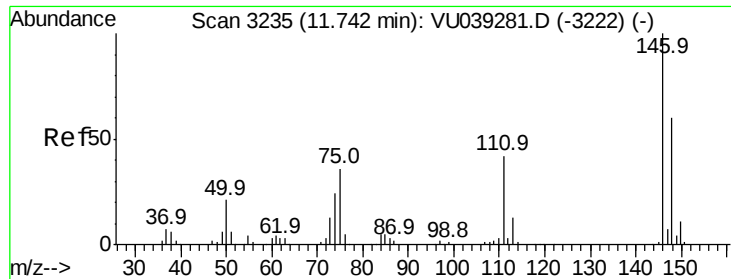
Tgt Ion: 75 Resp: 7559
 Ion Ratio Lower Upper
 75 100
 77 33.6 27.7 41.5



#61
 Bromoform
 Concen: 1.048 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU039280.D
 Acq: 06 Jul 2020 10:10

Tgt Ion: 173 Resp: 5285
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.3 58.9
 254 7.8 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 1.063 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

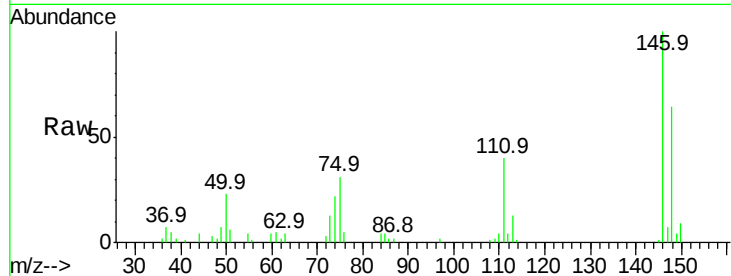
Tgt Ion:146 Resp: 20579

Ion Ratio Lower Upper

146 100

111 39.8 29.4 54.6

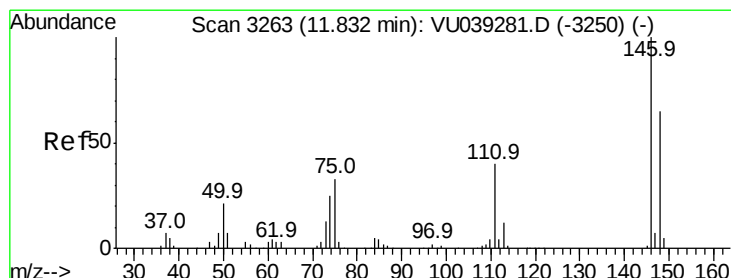
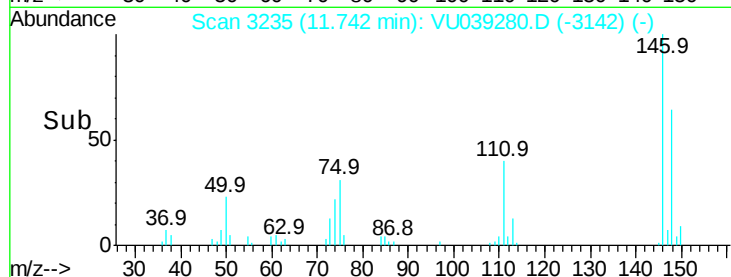
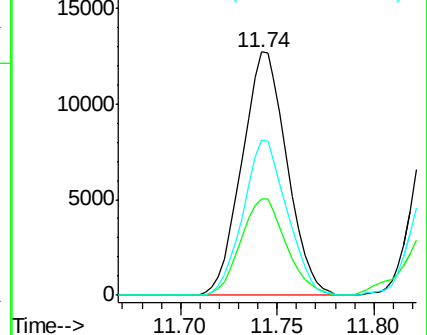
148 63.9 42.0 78.0



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: 1.003 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

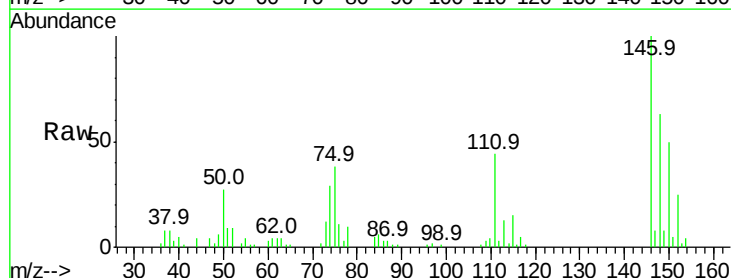
Tgt Ion:146 Resp: 19306

Ion Ratio Lower Upper

146 100

111 44.3 28.3 52.5

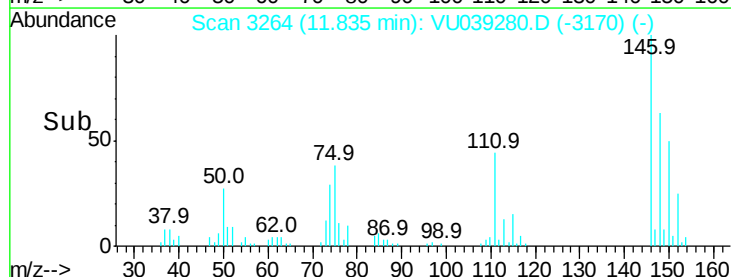
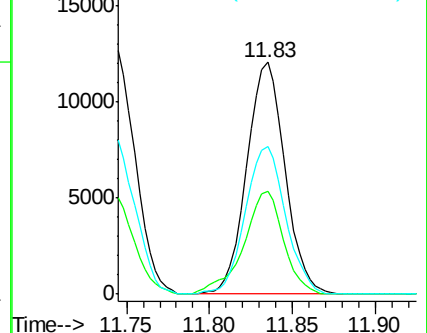
148 63.4 45.8 85.2

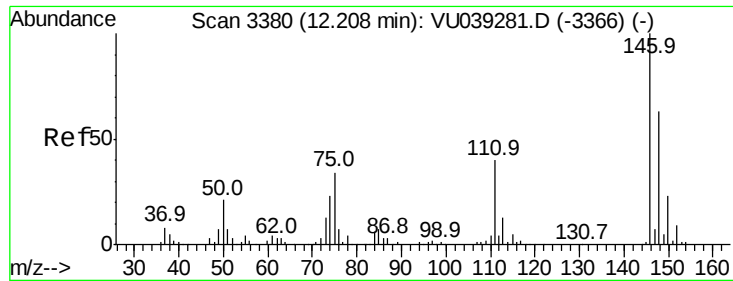


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.018 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

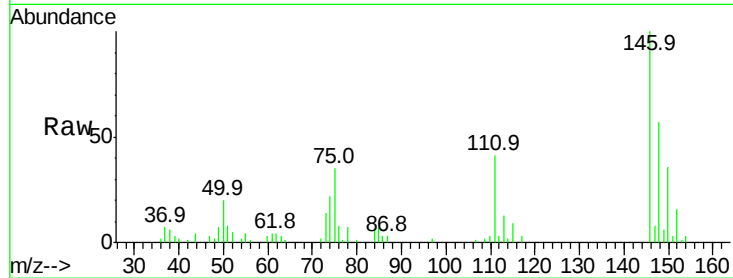
Tgt Ion:146 Resp: 19697

Ion Ratio Lower Upper

146 100

111 40.7 31.9 47.9

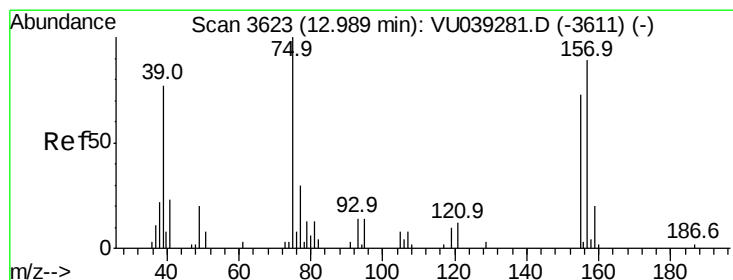
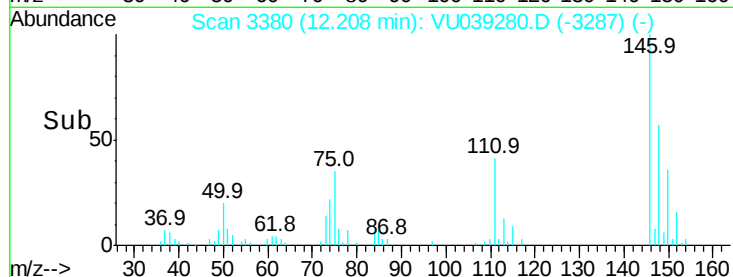
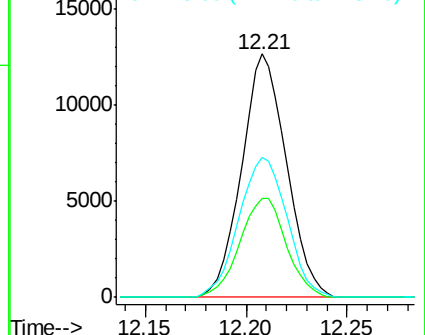
148 57.3 50.6 76.0



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: 1.041 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

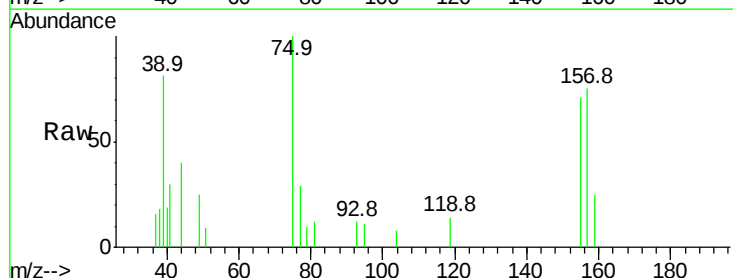
Tgt Ion: 75 Resp: 2027

Ion Ratio Lower Upper

75 100

155 70.8 58.6 88.0

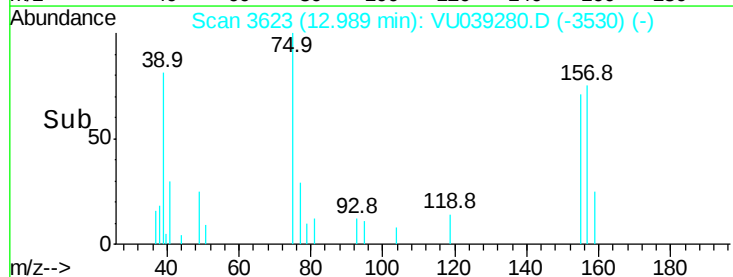
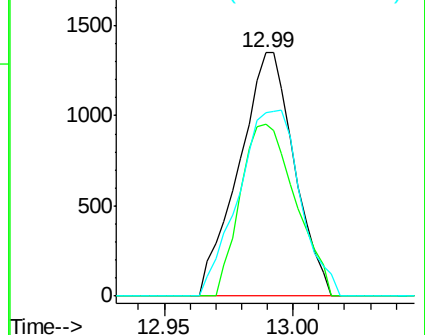
157 75.1 71.4 107.0

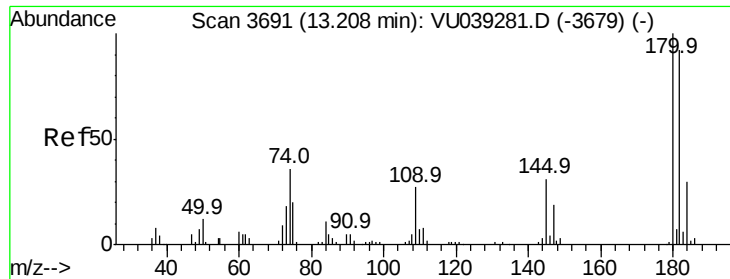


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

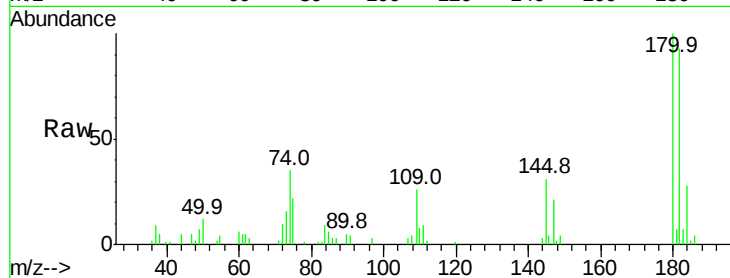




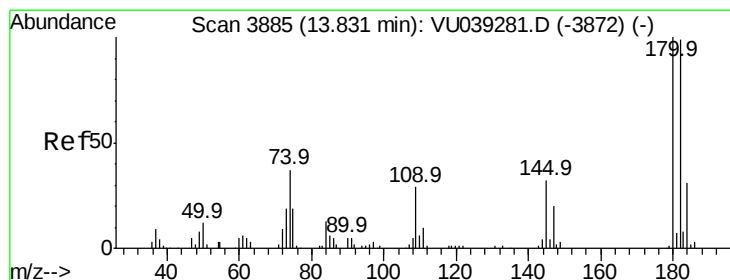
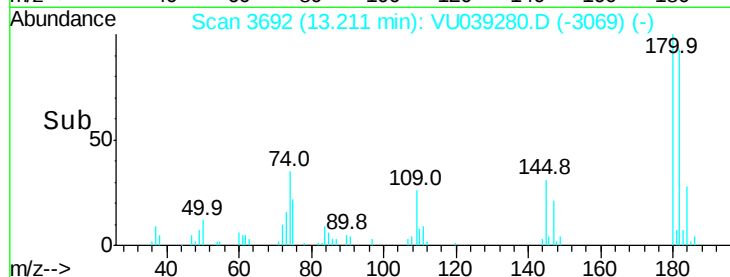
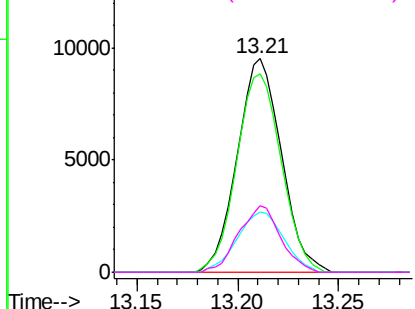
#67
 1,3,5-Trichlorobenzene
 Concen: 1.016 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039280.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion:180 Resp: 14632
 Ion Ratio Lower Upper
 180 100
 182 93.9 74.7 112.1
 184 29.6 23.7 35.5
 145 29.6 24.2 36.4

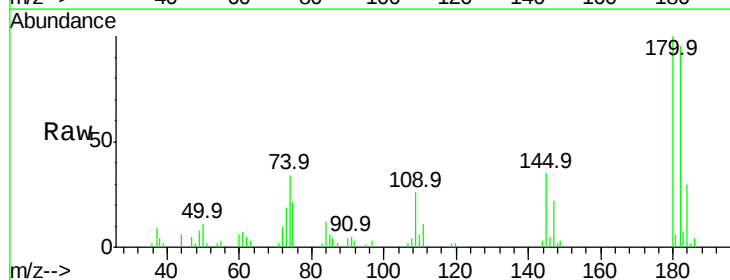


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

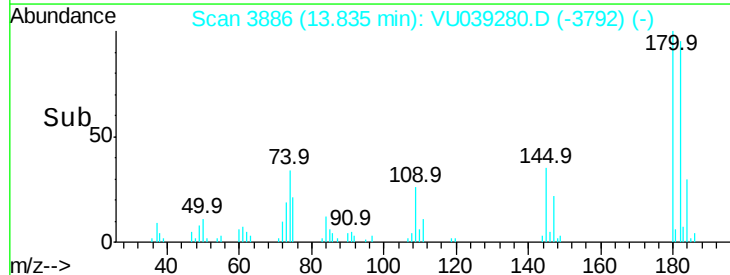
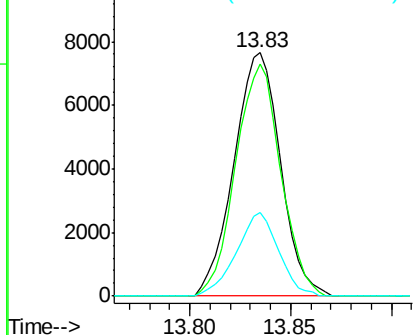


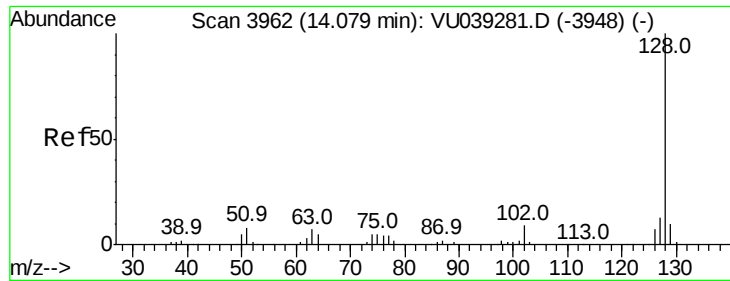
#68
 1,2,4-trichlorobenzene
 Concen: 1.018 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039280.D
 Acq: 06 Jul 2020 10:10

Tgt Ion:180 Resp: 12371
 Ion Ratio Lower Upper
 180 100
 182 92.2 77.6 116.4
 145 31.1 24.7 37.1



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: 0.989 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

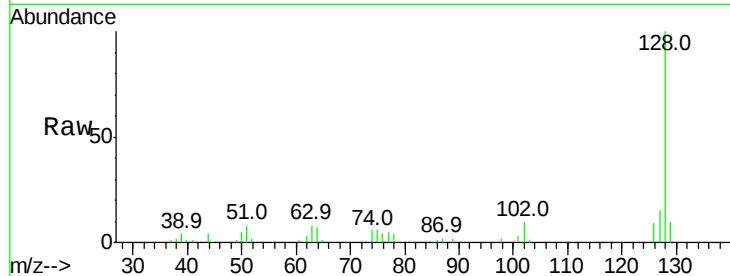
Tgt Ion:128 Resp: 21610

Ion Ratio Lower Upper

128 100

129 11.2 8.3 12.5

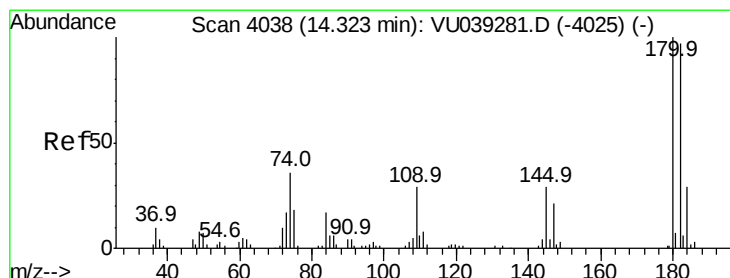
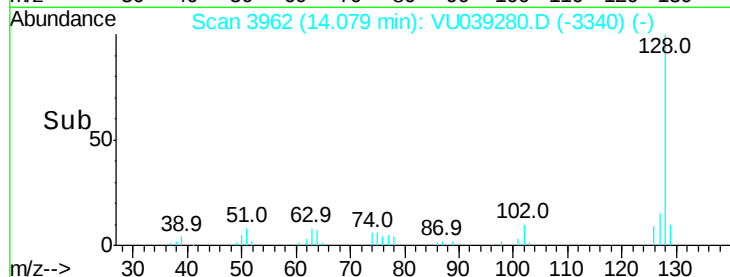
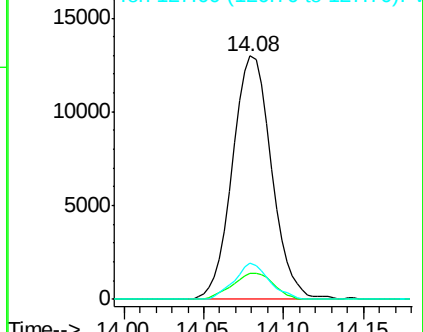
127 13.4 10.7 16.1



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: 1.013 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039280.D

Acq: 06 Jul 2020 10:10

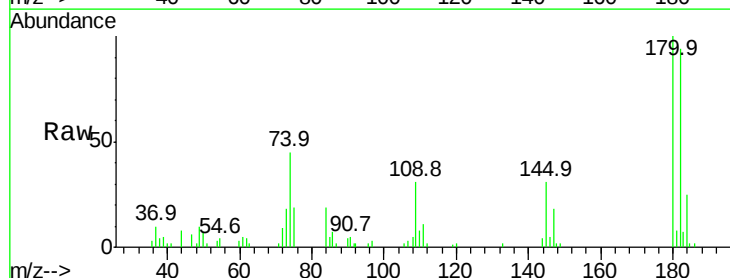
Tgt Ion:180 Resp: 11446

Ion Ratio Lower Upper

180 100

182 95.7 77.8 116.6

145 32.0 25.7 38.5



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

