

Data File : VU039283.D
Acq On : 06 Jul 2020 11:20
Operator : SY/MD
Sample : VSTD02002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Quant Time: Jul 06 11:37:16 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	143260	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	142643	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	79352	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	208041	20.39	ug/L	0.00
7) Chloroethane-d5	1.93	69	218458	24.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	399800	19.61	ug/L	0.00
20) 2-Butanone-d5	4.66	46	821234	247.32	ug/L	0.00
24) Chloroform-d	5.08	84	426119	20.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	256221	21.22	ug/L	0.00
32) Benzene-d6	5.75	84	833747	24.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	273350	25.53	ug/L	0.00
41) Toluene-d8	7.91	98	807454	26.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	135180	24.86	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	738123	270.21	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	293165	26.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	364590	26.28	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	154412	12.328	ug/L	100
3) Chloromethane	1.53	50	186474	13.621	ug/L	97
5) Vinyl chloride	1.61	62	200765	14.850	ug/L	94
6) Bromomethane	1.87	94	127204	15.358	ug/L	100
8) Chloroethane	1.94	64	159744	17.660	ug/L	97
9) Trichlorofluoromethane	2.15	101	445884	21.604	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	157078	15.537	ug/L	99
12) 1,1-Dichloroethene	2.59	96	152385	16.320	ug/L	89
13) Acetone	2.66	43	365911	153.407	ug/L	99
14) Carbon disulfide	2.81	76	491349	16.291	ug/L	100
15) Methyl Acetate	2.97	43	95670	17.645	ug/L	98
16) Methylene chloride	3.06	84	182617	15.304	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	511445	16.735	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	170204	15.972	ug/L	98
19) 1,1-Dichloroethane	3.89	63	338633	15.732	ug/L	99
21) 2-Butanone	4.74	43	680753	179.577	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	194416	17.715	ug/L	98
23) Bromochloromethane	5.00	128	89117	16.700	ug/L	94
25) Chloroform	5.11	83	349801	15.694	ug/L	95
27) 1,2-Dichloroethane	5.81	62	253547	16.184	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	309140	17.354	ug/L	100
30) Cyclohexane	5.41	56	307938	19.337	ug/L	98
31) Carbon tetrachloride	5.54	117	260874	17.596	ug/L	99
33) Benzene	5.79	78	738443	18.263	ug/L	100
34) Trichloroethene	6.56	95	197227	18.851	ug/L	95
35) Methylcyclohexane	6.78	83	311636	20.120	ug/L	99
37) 1,2-Dichloropropane	6.81	63	201405	18.830	ug/L	99
38) Bromodichloromethane	7.12	83	271871	18.719	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	326549	19.545	ug/L	96
40) 4-Methyl-2-pentanone	7.81	43	1785330	204.624	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	872963	19.231	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	306169	18.594	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	157223	17.584	ug/L	98
47) Tetrachloroethene	8.56	164	139496	17.887	ug/L	93
48) 2-Hexanone	8.70	43	1427048	200.840	ug/L	99
49) Dibromochloromethane	8.82	129	223907	22.317	ug/L	98
50) 1,2-Dibromoethane	8.93	107	172744	20.373	ug/L	98
51) Chlorobenzene	9.45	112	539388	18.692	ug/L	99
52) Ethylbenzene	9.57	91	1013727	20.815	ug/L	99
53) m,p-Xylene	9.70	106	399349	22.412	ug/L	100
54) o-Xylene	10.10	106	392783	22.948	ug/L	99
55) Styrene	10.12	104	721750	23.917	ug/L	94
56) Isopropylbenzene	10.48	105	1080081	23.725	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	239224	20.239	ug/L	97
59) 1,2,3-Trichloropropane	10.83	75	169437	19.164	ug/L	97
61) Bromoform	10.29	173	148751	22.871	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	476131	19.067	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	496780	20.008	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	486789	19.511	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	46441	18.482	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	339908	18.300	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	298017	19.006	ug/L	99
69) Naphthalene	14.08	128	630060	22.342	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	273649	18.765	ug/L	99

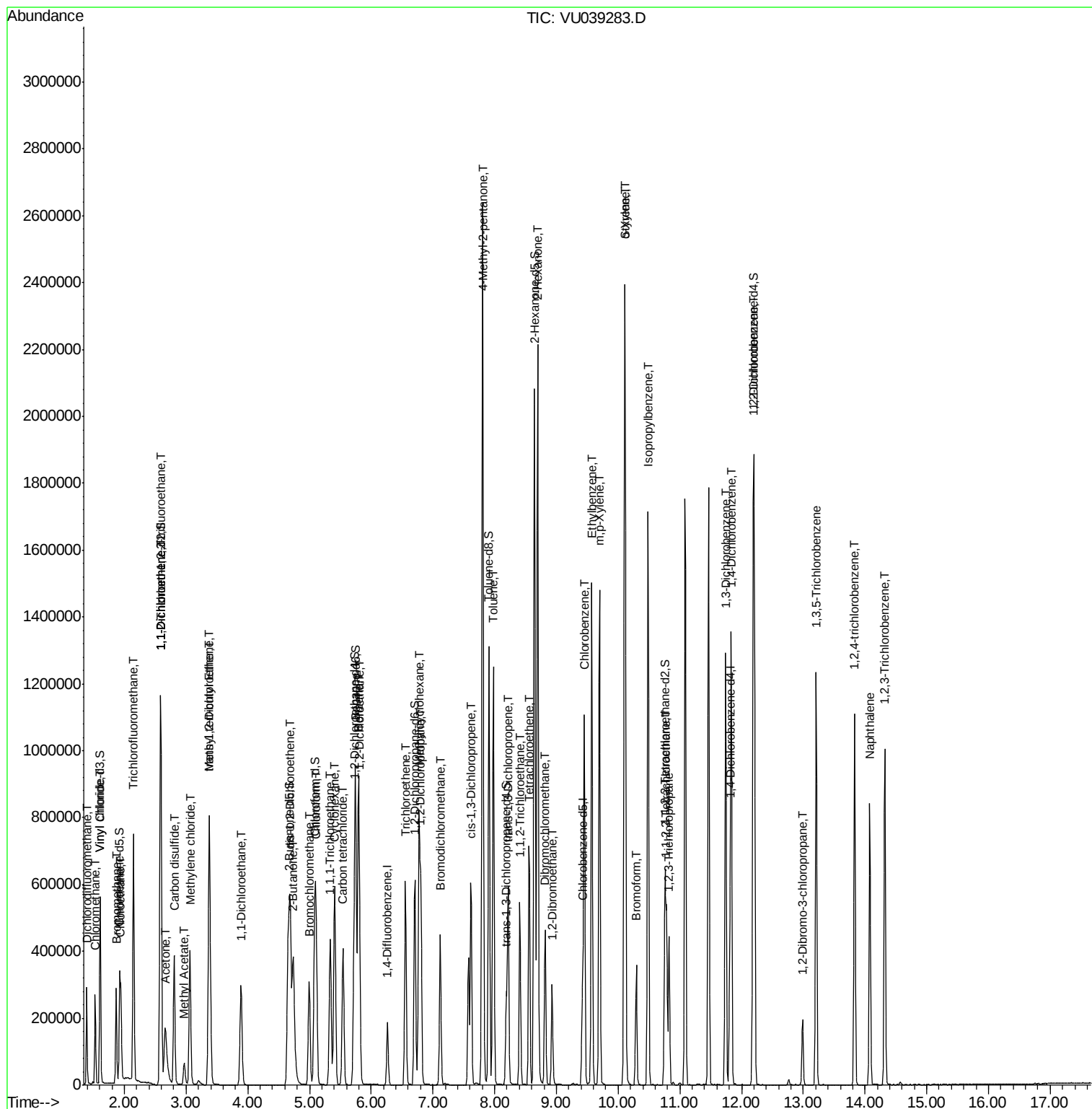
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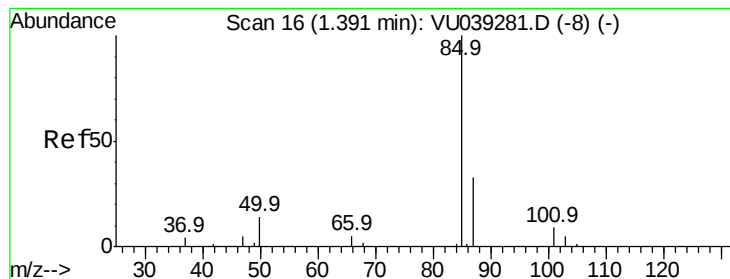
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#2

Dichlorodifluoromethane

Concen: 12.328 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

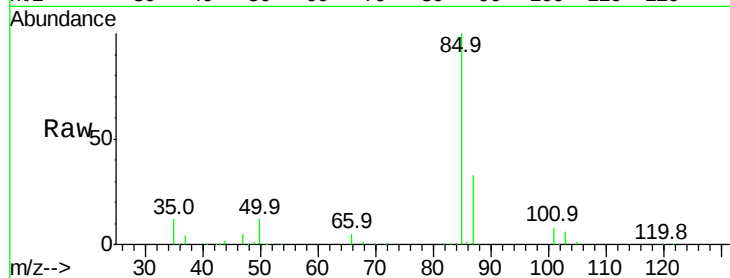
VSTD02002

Tgt Ion: 85 Resp: 154412

Ion Ratio Lower Upper

85 100

87 33.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU039283.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039283.D (-8) (-)

1.39

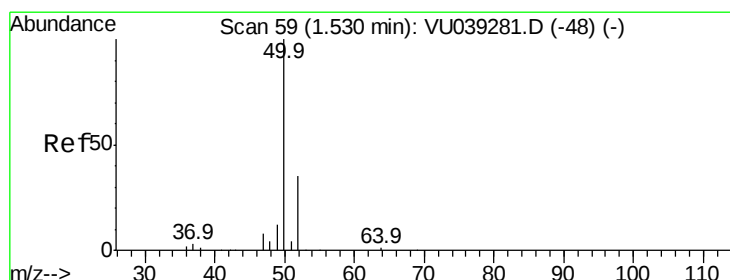
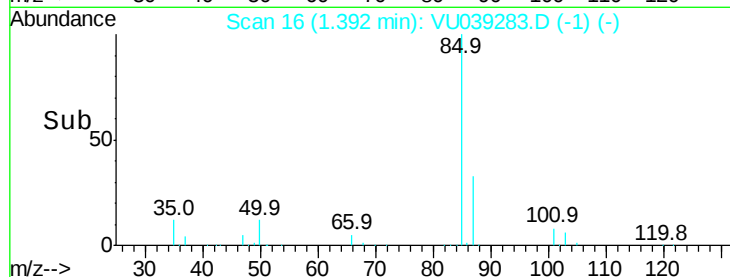
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 13.621 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039283.D

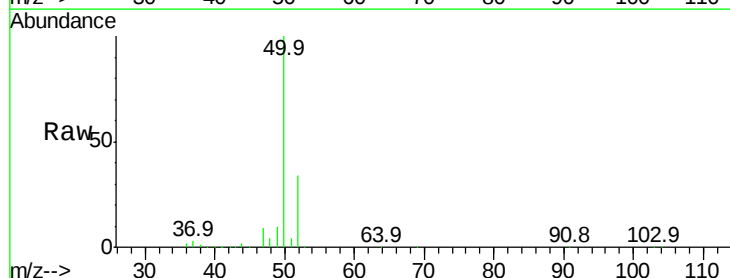
Acq: 06 Jul 2020 11:20

Tgt Ion: 50 Resp: 186474

Ion Ratio Lower Upper

50 100

52 33.7 24.7 45.9



Abundance Ion 50.05 (49.75 to 50.75): VU039283.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU039283.D (-48) (-)

1.53

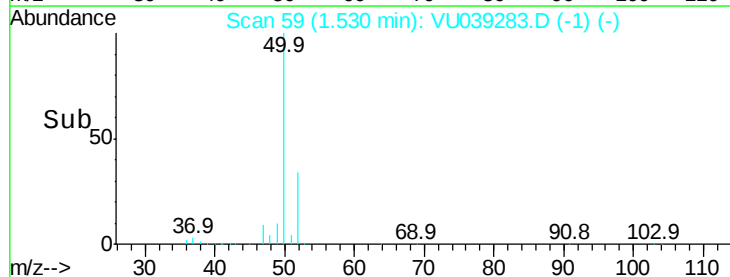
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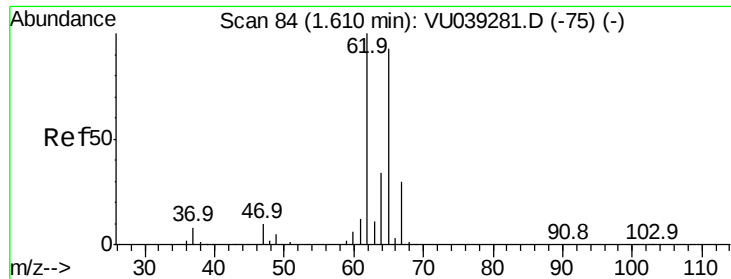
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 14.850 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

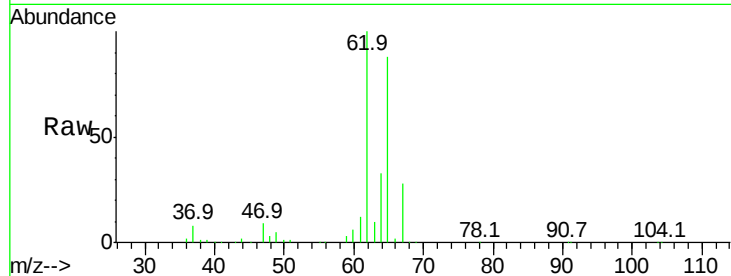
VSTD02002

Tgt Ion: 62 Resp: 200765

Ion Ratio Lower Upper

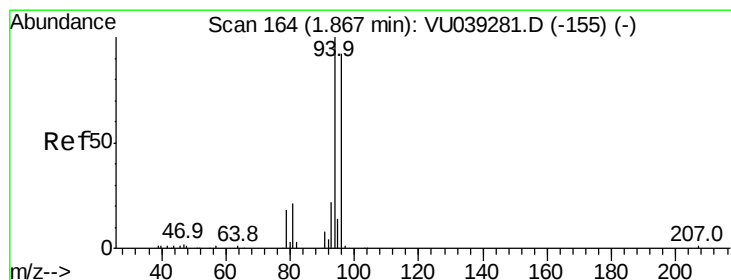
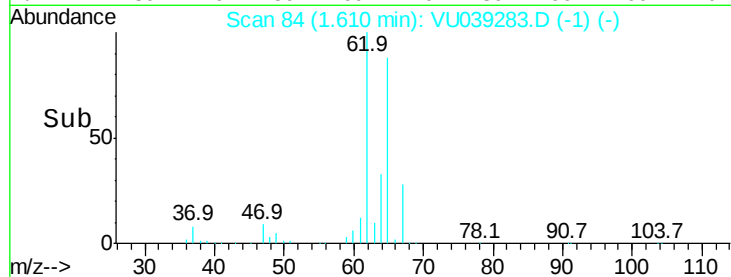
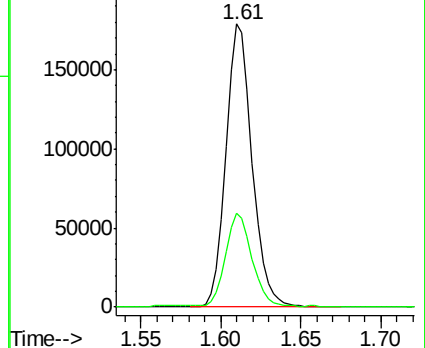
62 100

64 33.0 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VU039283.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039283.D (-1) (-)



#6

Bromomethane

Concen: 15.358 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039283.D

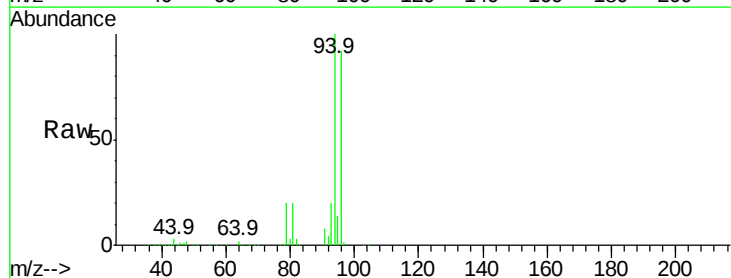
Acq: 06 Jul 2020 11:20

Tgt Ion: 94 Resp: 127204

Ion Ratio Lower Upper

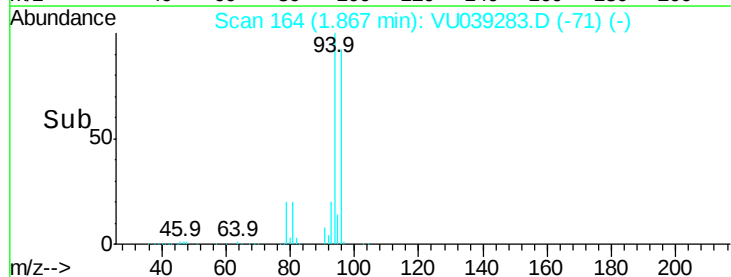
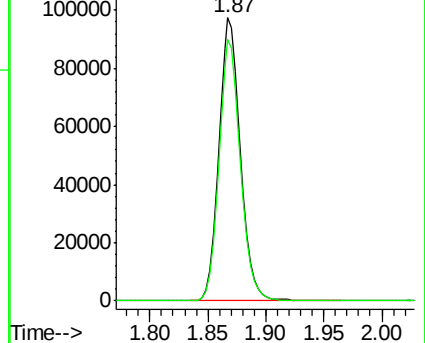
94 100

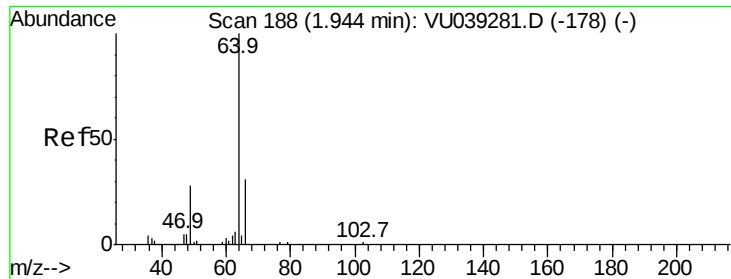
96 92.2 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU039283.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU039283.D (-71) (-)

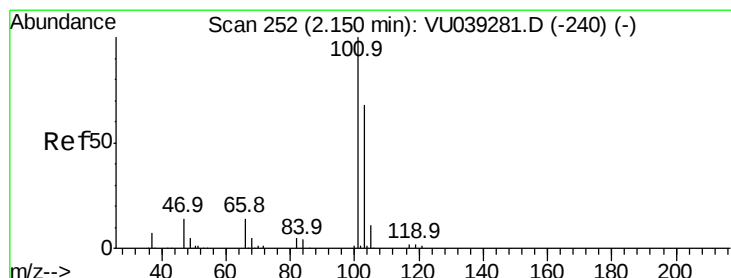
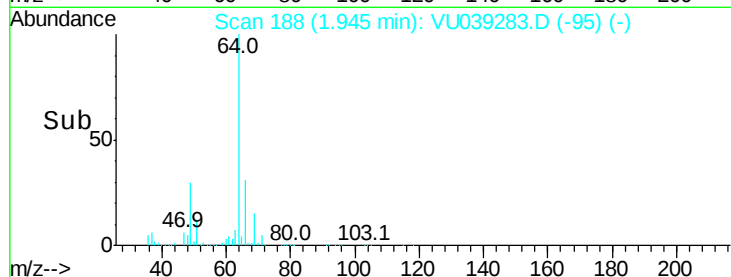
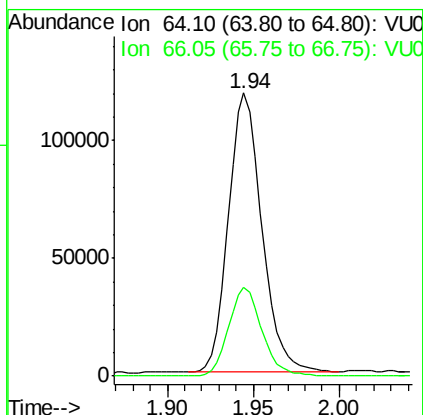
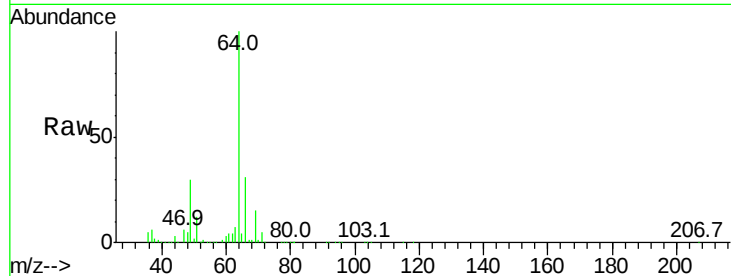




#8
Chloroethane
Concen: 17.660 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

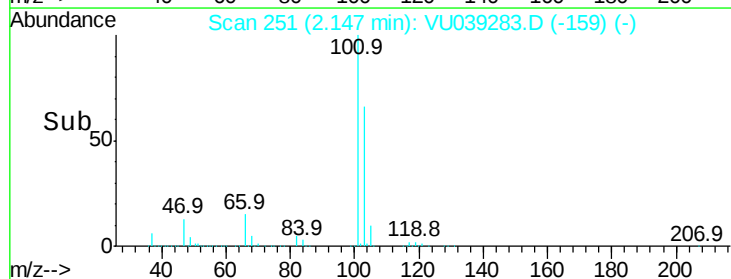
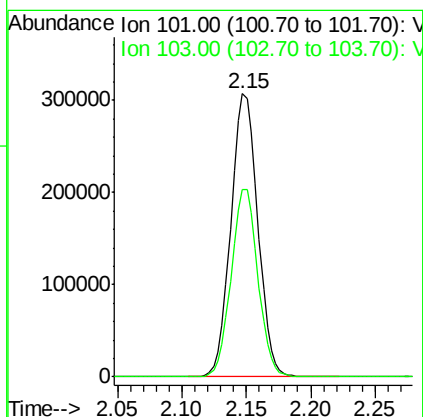
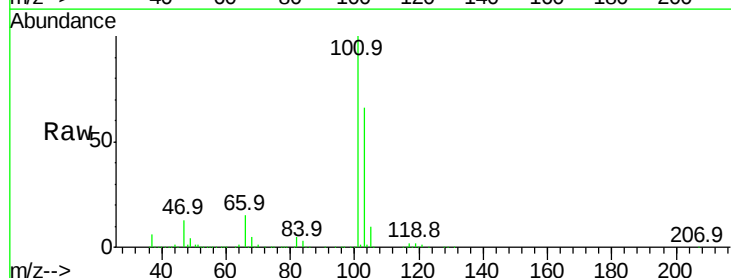
Instrument :
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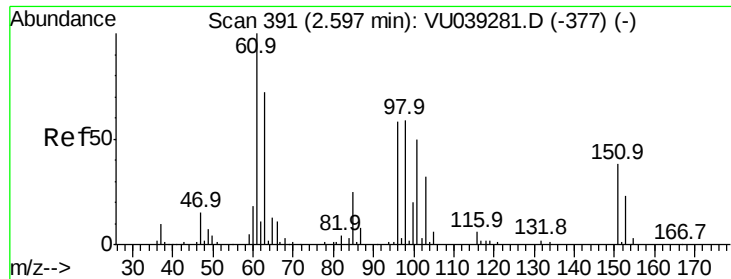
Tgt Ion: 64 Resp: 159744
Ion Ratio Lower Upper
64 100
66 31.2 20.7 38.5



#9
Trichlorofluoromethane
Concen: 21.604 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

Tgt Ion: 101 Resp: 445884
Ion Ratio Lower Upper
101 100
103 65.6 53.4 80.2





#10

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

Concen: 15.537 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

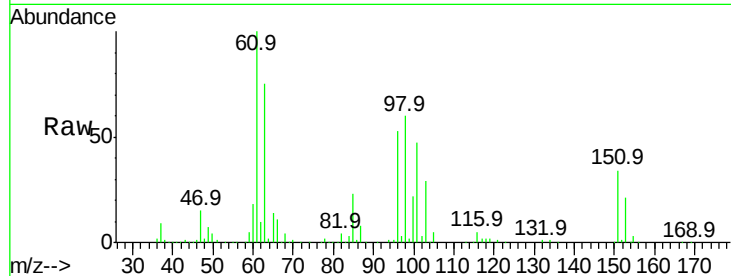
Tgt Ion:101 Resp: 157078

Ion Ratio Lower Upper

101 100

85 48.3 38.4 57.6

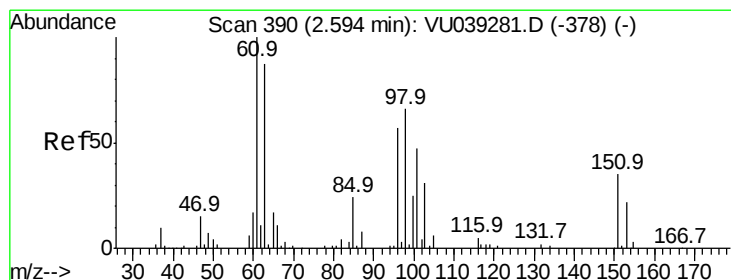
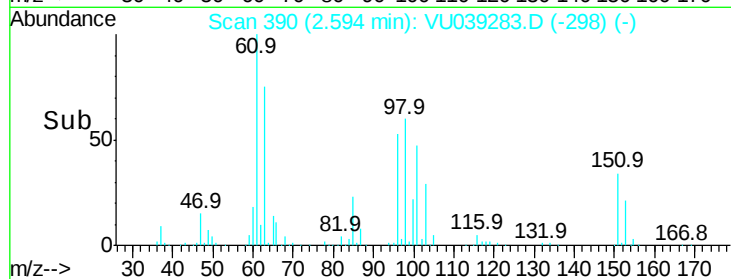
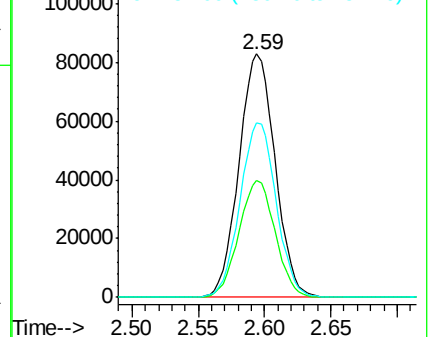
151 71.8 58.3 87.5



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: 16.320 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

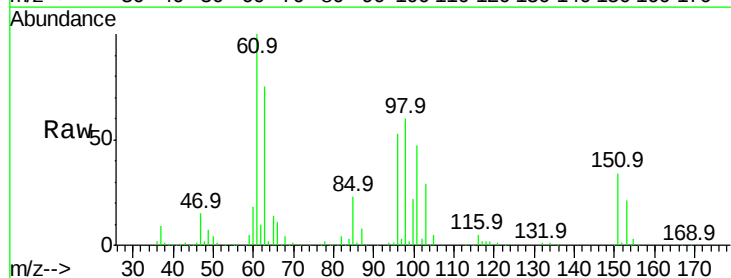
Tgt Ion: 96 Resp: 152385

Ion Ratio Lower Upper

96 100

61 188.8 123.8 230.0

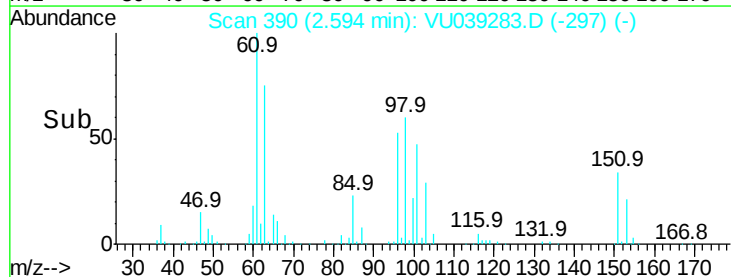
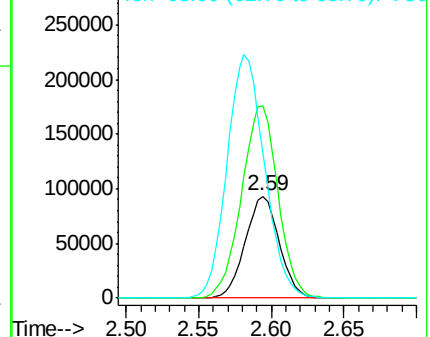
63 141.9 112.1 208.3

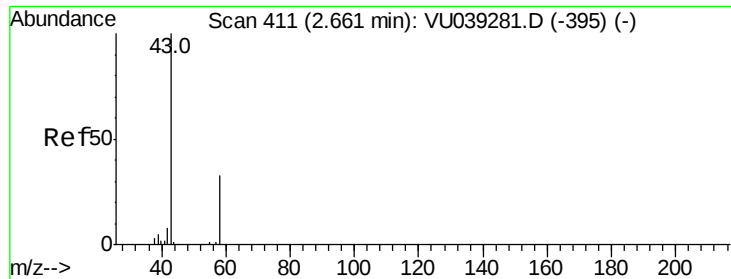


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 153.407 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

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ClientSampleId :

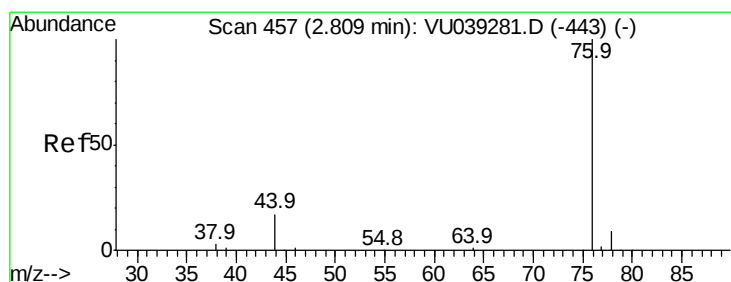
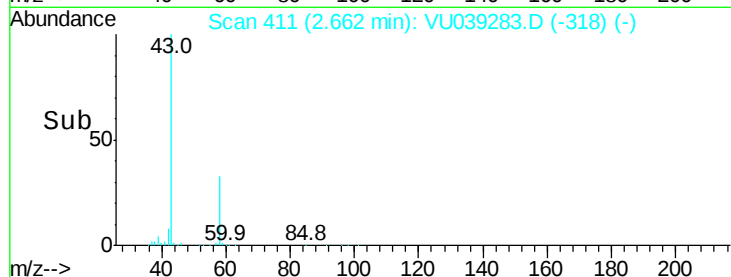
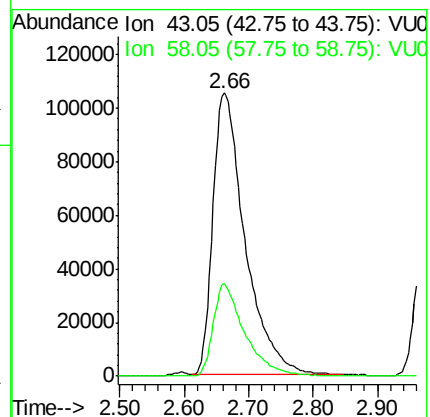
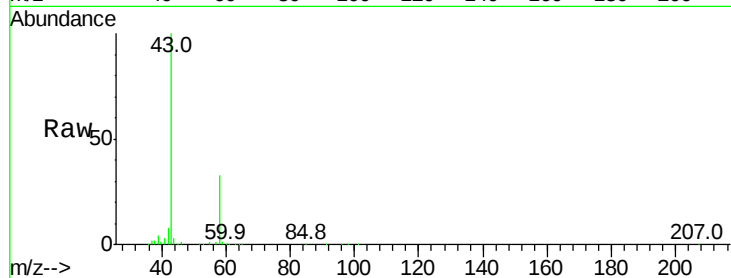
VSTD02002

Tgt Ion: 43 Resp: 365911

Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.6



#14

Carbon disulfide

Concen: 16.291 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039283.D

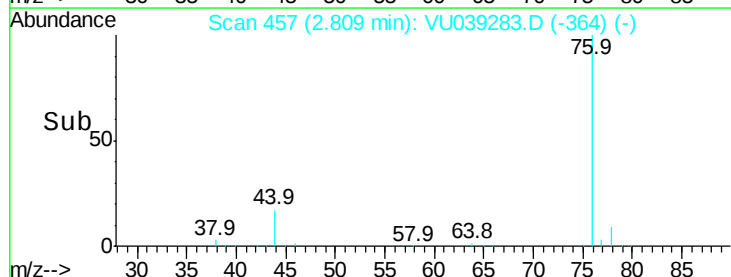
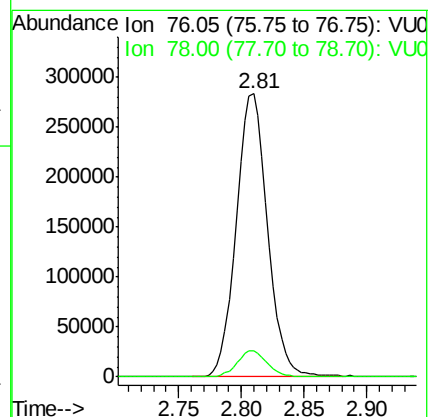
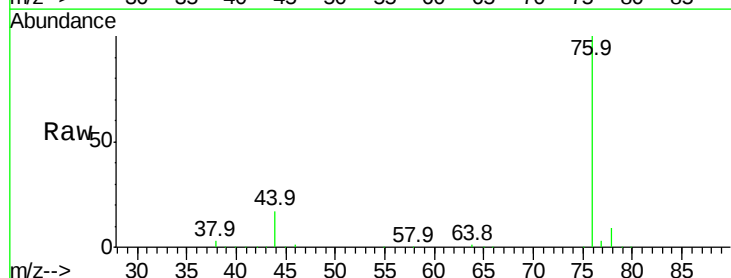
Acq: 06 Jul 2020 11:20

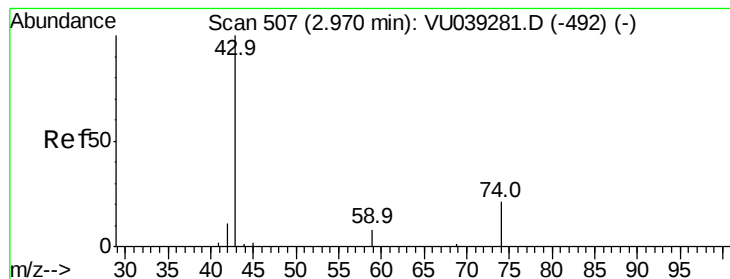
Tgt Ion: 76 Resp: 491349

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 17.645 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

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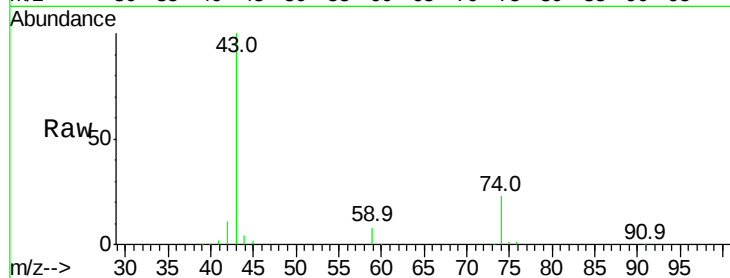
VSTD02002

Tgt Ion: 43 Resp: 95670

Ion Ratio Lower Upper

43 100

74 22.8 17.5 26.3

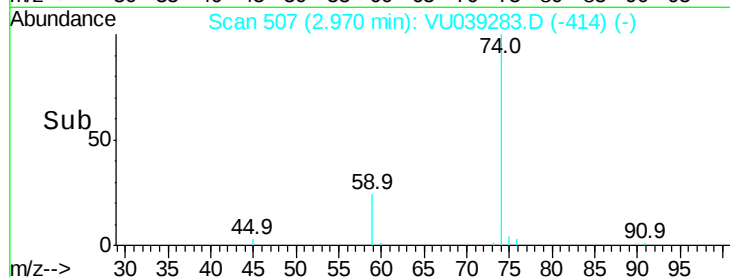


Abundance Ion 43.05 (42.75 to 43.75): VU039283.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VU039283.D (-414) (-)

2.97

Time-->



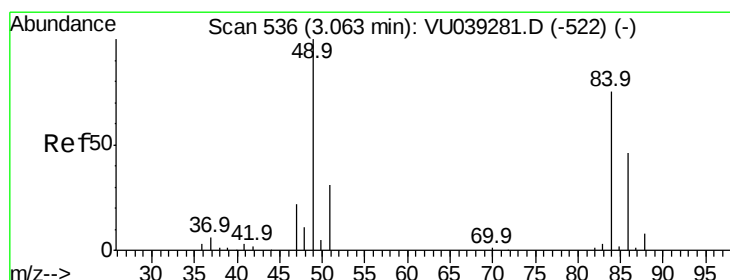
Abundance

Ion 43.05 (42.75 to 43.75): VU039283.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VU039283.D (-414) (-)

2.97

Time-->



#16

Methylene chloride

Concen: 15.304 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

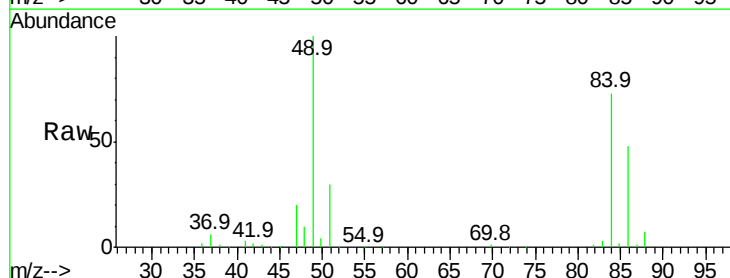
Tgt Ion: 84 Resp: 182617

Ion Ratio Lower Upper

84 100

86 64.9 42.6 79.0

49 136.3 93.0 172.8



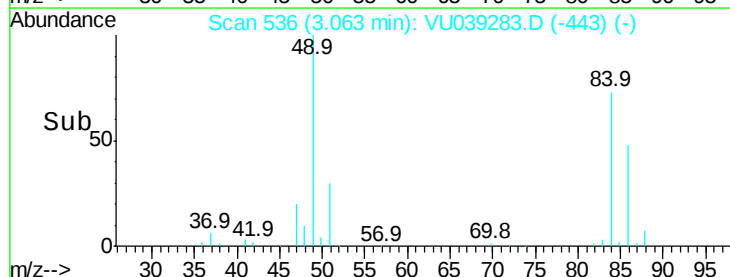
Abundance Ion 84.05 (83.75 to 84.75): VU039283.D (-443) (-)

Ion 86.00 (85.70 to 86.70): VU039283.D (-443) (-)

Ion 49.10 (48.80 to 49.80): VU039283.D (-443) (-)

3.06

Time-->



Abundance

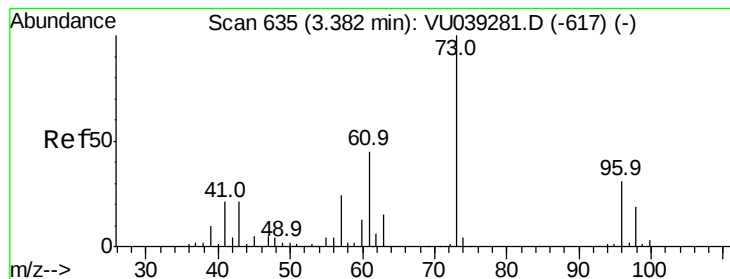
Ion 84.05 (83.75 to 84.75): VU039283.D (-443) (-)

Ion 86.00 (85.70 to 86.70): VU039283.D (-443) (-)

Ion 49.10 (48.80 to 49.80): VU039283.D (-443) (-)

3.06

Time-->



#17

Methyl tert-butyl Ether

Concen: 16.735 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

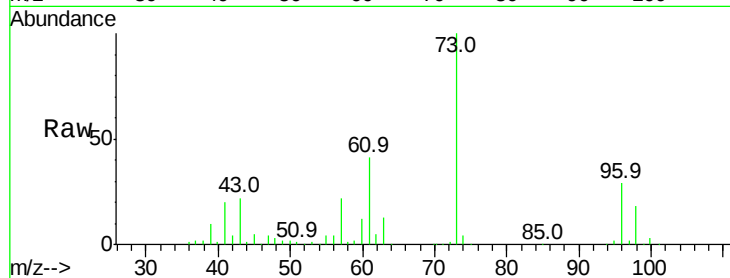
Tgt Ion: 73 Resp: 511445

Ion Ratio Lower Upper

73 100

43 22.2 17.5 26.3

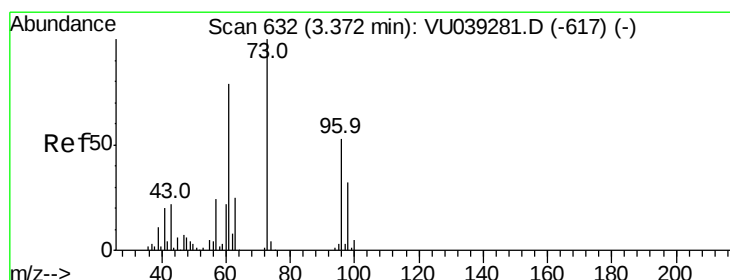
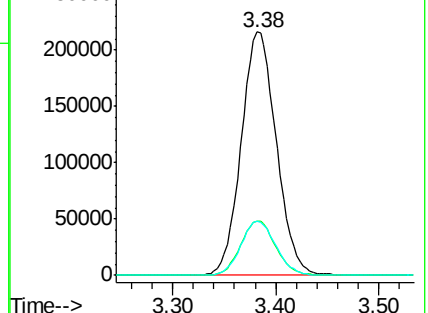
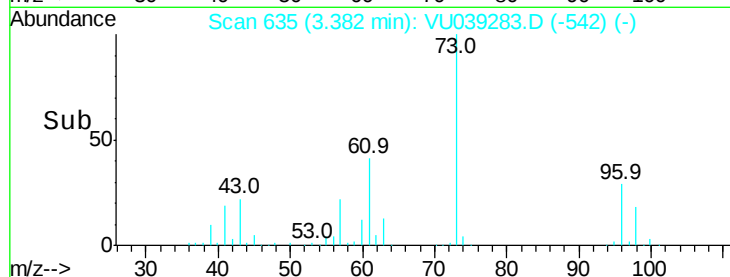
57 22.3 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU039283.D (-542) (-)

Ion 43.05 (42.75 to 43.75): VU039283.D (-542) (-)

Ion 57.10 (56.80 to 57.80): VU039283.D (-542) (-)



#18

trans-1,2-Dichloroethene

Concen: 15.972 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

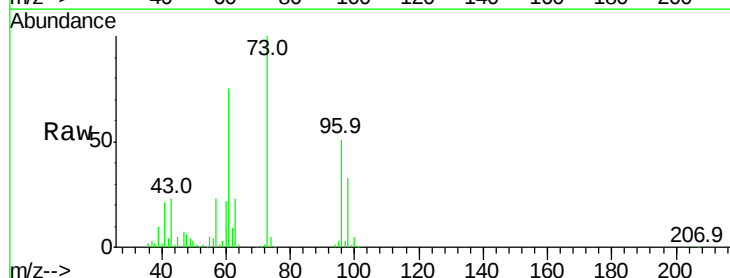
Tgt Ion: 96 Resp: 170204

Ion Ratio Lower Upper

96 100

61 147.9 104.7 194.5

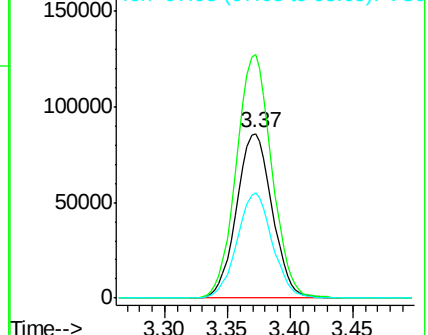
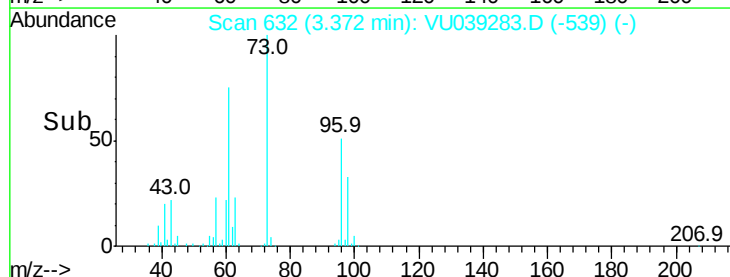
98 64.2 43.1 80.1

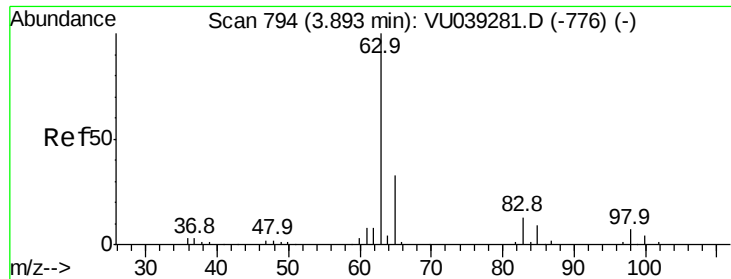


Abundance Ion 96.00 (95.70 to 96.70): VU039283.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039283.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039283.D (-539) (-)

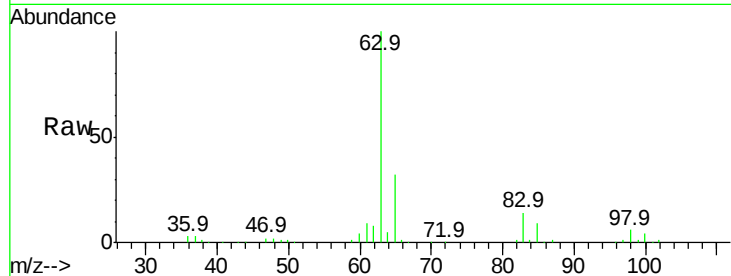




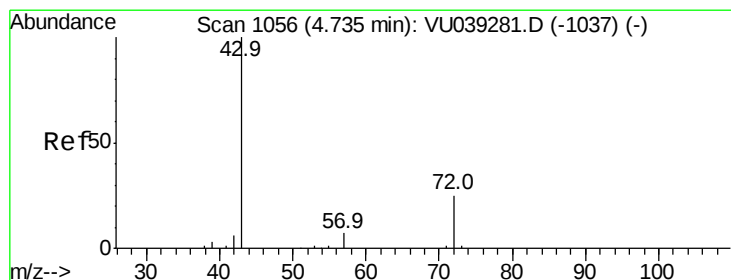
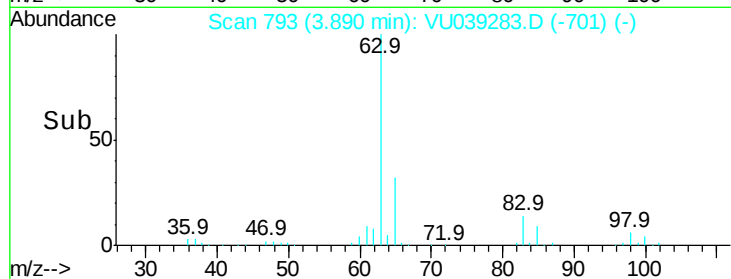
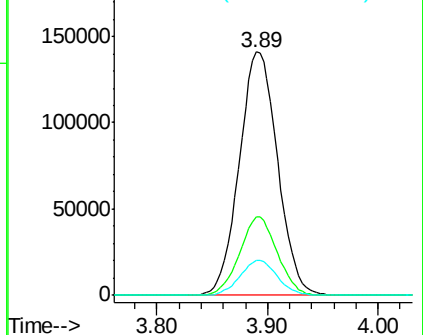
#19
 1,1-Dichloroethane
 Concen: 15.732 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion: 63 Resp: 338633
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.7 42.3
 83 14.3 9.1 16.9

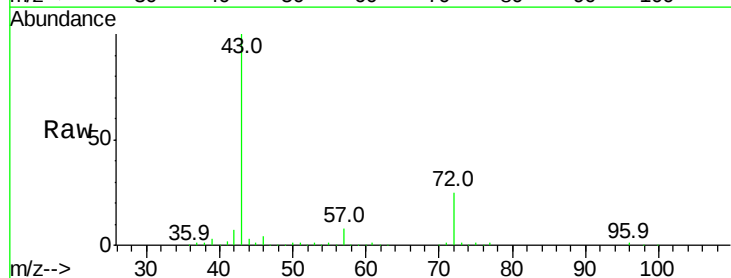


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

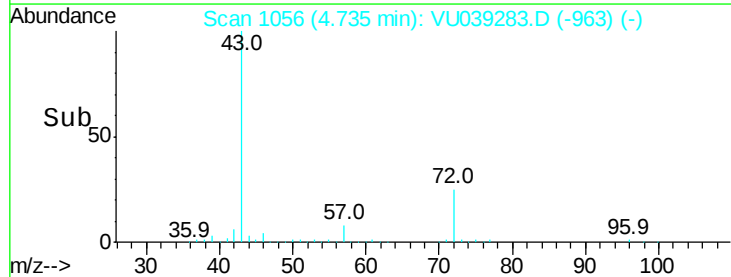
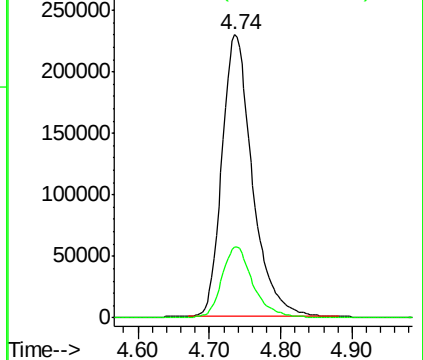


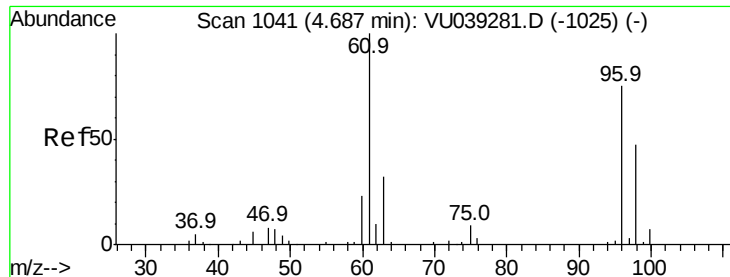
#21
 2-Butanone
 Concen: 179.577 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Tgt Ion: 43 Resp: 680753
 Ion Ratio Lower Upper
 43 100
 72 26.2 12.8 38.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 17.715 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

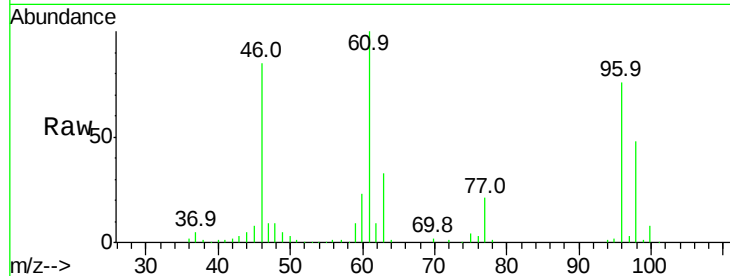
Tgt Ion: 96 Resp: 194416

Ion Ratio Lower Upper

96 100

61 131.0 93.7 173.9

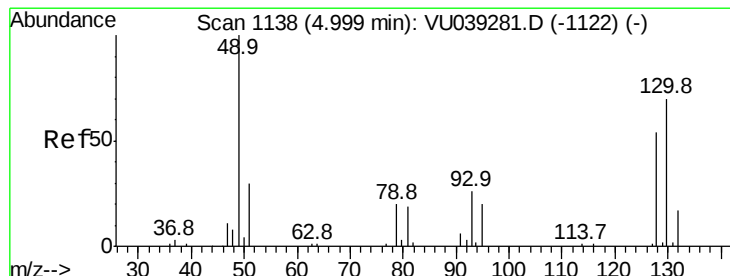
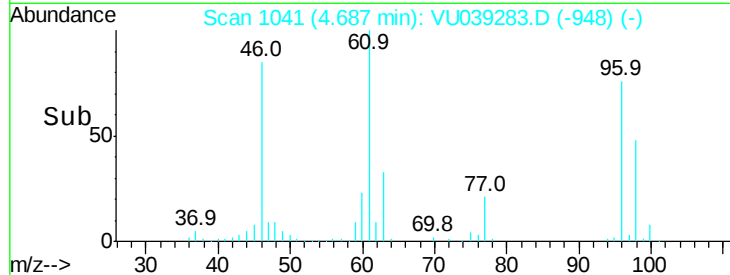
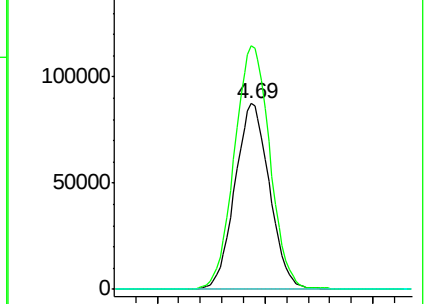
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039283.D (-1045) (-)

Ion 61.05 (60.75 to 61.75): VU039283.D (-1045) (-)

Ion 68.15 (67.85 to 68.85): VU039283.D (-1045) (-)



#23

Bromochloromethane

Concen: 16.700 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Tgt Ion: 128 Resp: 89117

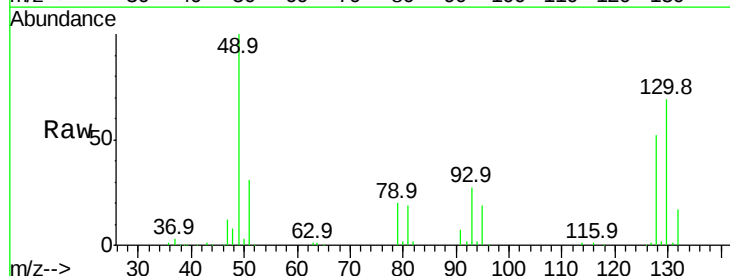
Ion Ratio Lower Upper

128 100

49 192.8 128.7 238.9

130 132.2 89.7 166.5

51 59.9 43.5 65.3

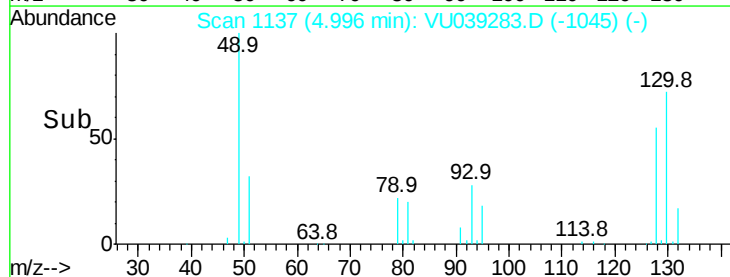
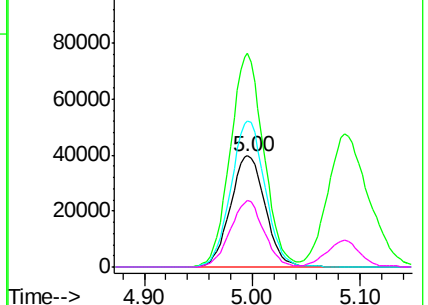


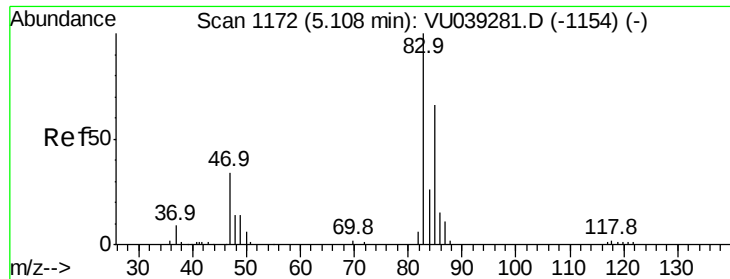
Abundance Ion 127.90 (127.60 to 128.60): VU039283.D (-1045) (-)

Ion 49.10 (48.80 to 49.80): VU039283.D (-1045) (-)

Ion 129.95 (129.65 to 130.65): VU039283.D (-1045) (-)

Ion 51.05 (50.75 to 51.75): VU039283.D (-1045) (-)





#25

Chloroform

Concen: 15.694 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

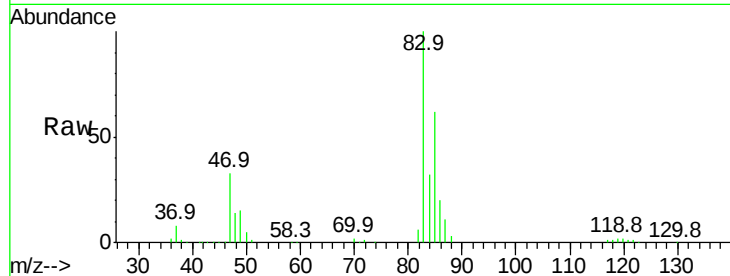
VSTD02002

Tgt Ion: 83 Resp: 349801

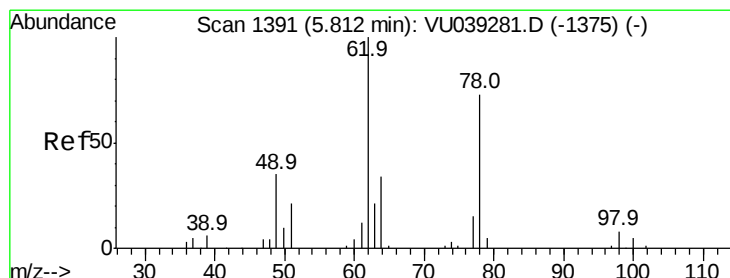
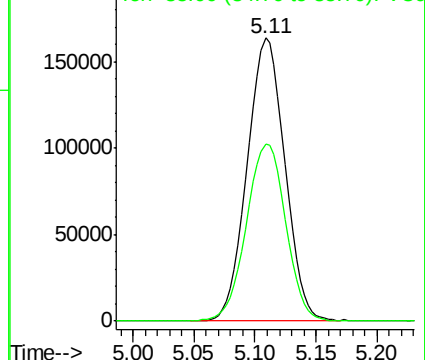
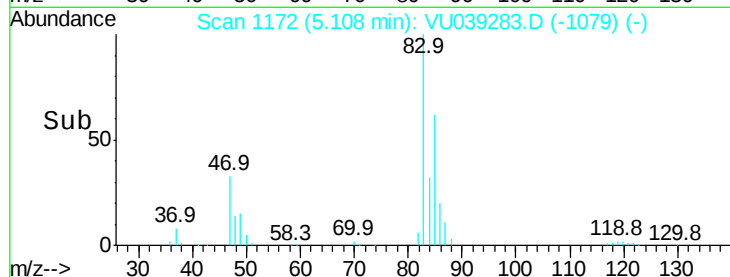
Ion Ratio Lower Upper

83 100

85 62.5 46.3 86.1



Abundance Ion 83.05 (82.75 to 83.75): VU039283.D (-1079) (-)



#27

1,2-Dichloroethane

Concen: 16.184 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU039283.D

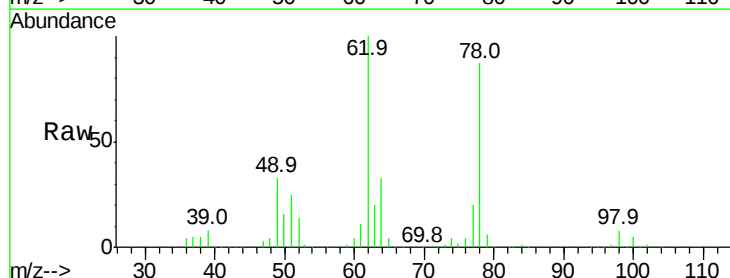
Acq: 06 Jul 2020 11:20

Tgt Ion: 62 Resp: 253547

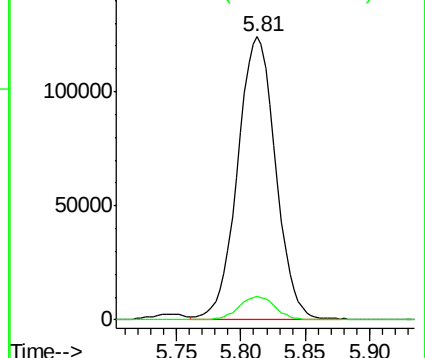
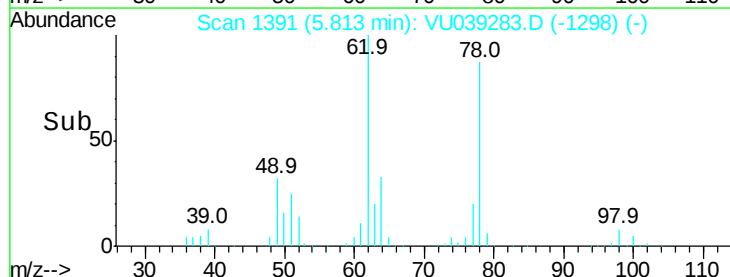
Ion Ratio Lower Upper

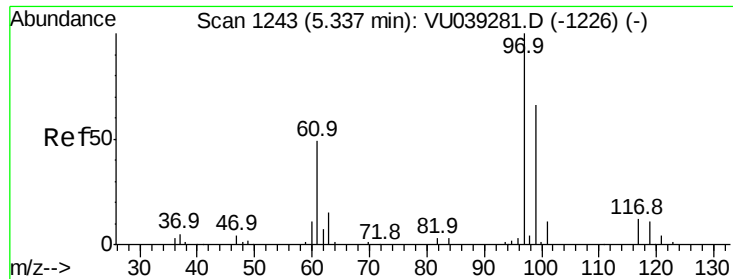
62 100

98 8.1 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU039283.D (-1298) (-)

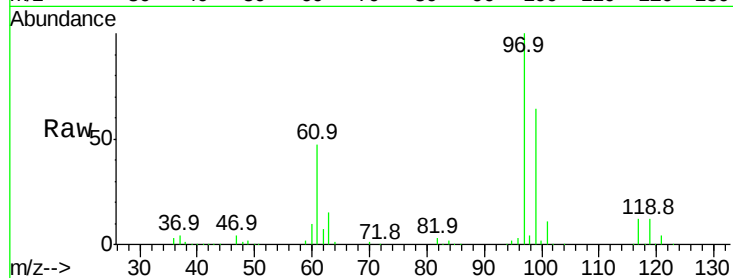




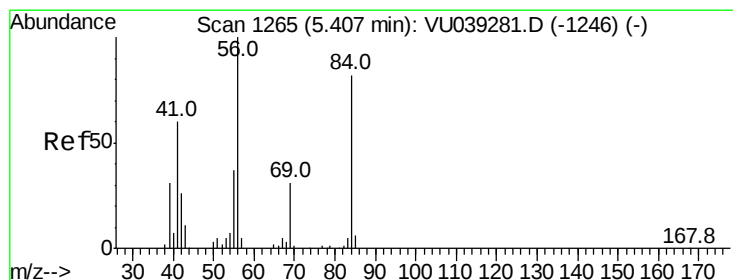
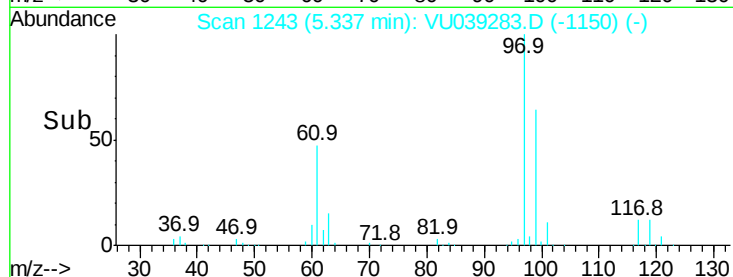
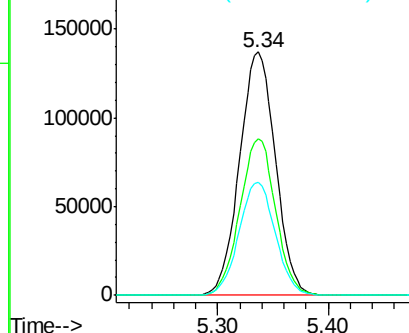
#29
 1,1,1-Trichloroethane
 Concen: 17.354 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion: 97 Resp: 309140
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.1 76.7
 61 46.9 37.9 56.9

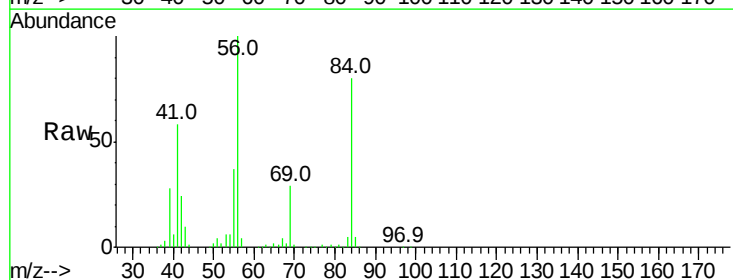


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

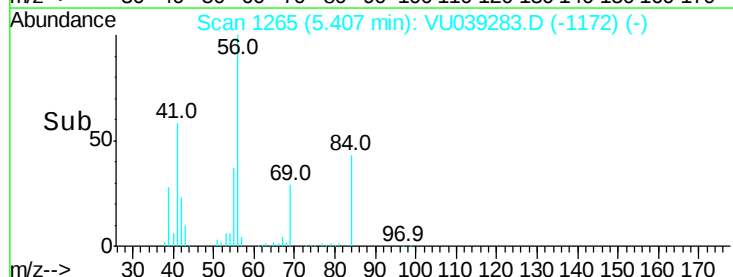
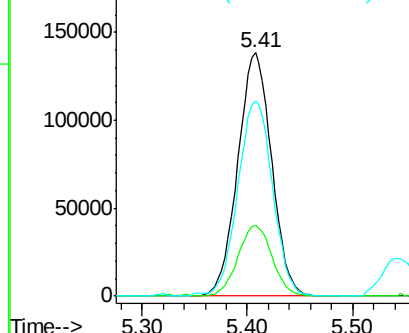


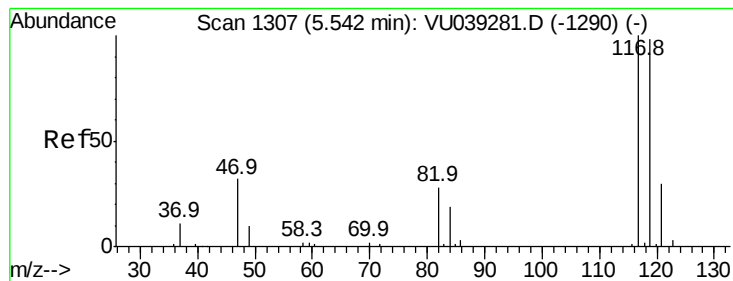
#30
 Cyclohexane
 Concen: 19.337 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Tgt Ion: 56 Resp: 307938
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.2 36.4
 84 82.3 67.0 100.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 17.596 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

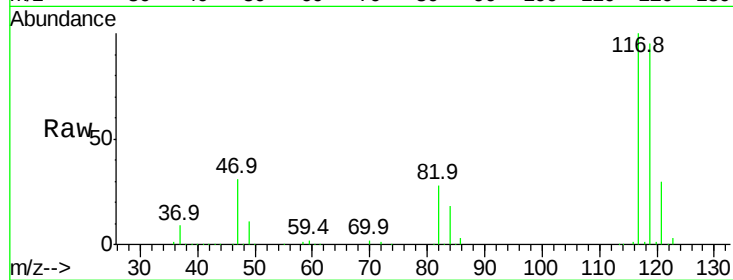
VSTD02002

Tgt Ion:117 Resp: 260874

Ion Ratio Lower Upper

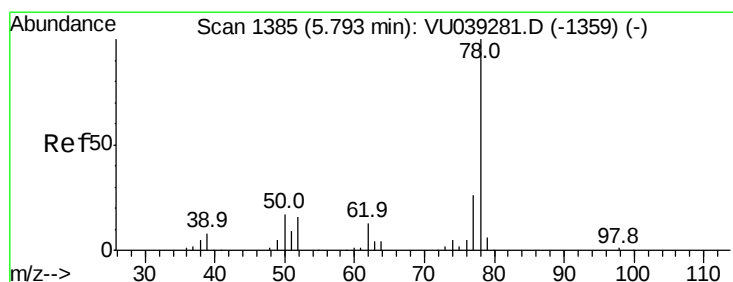
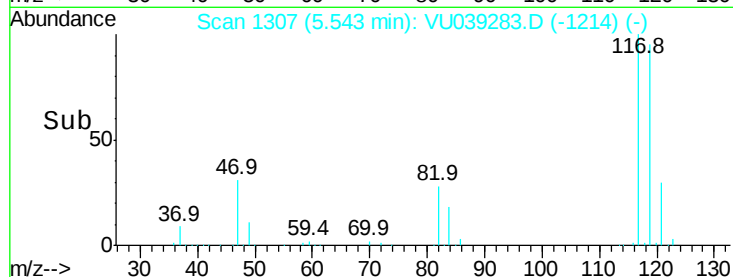
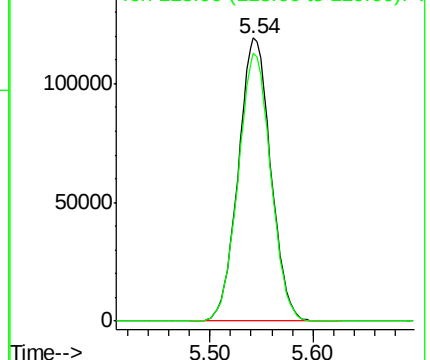
117 100

119 94.9 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: 18.263 ug/L

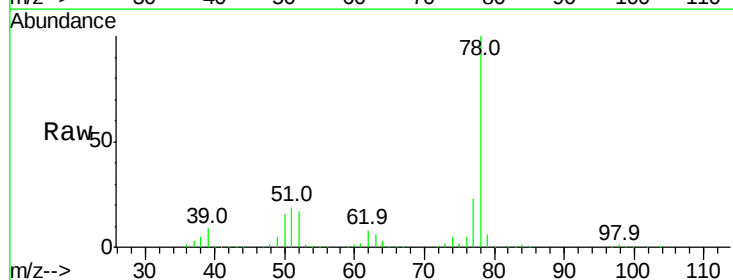
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

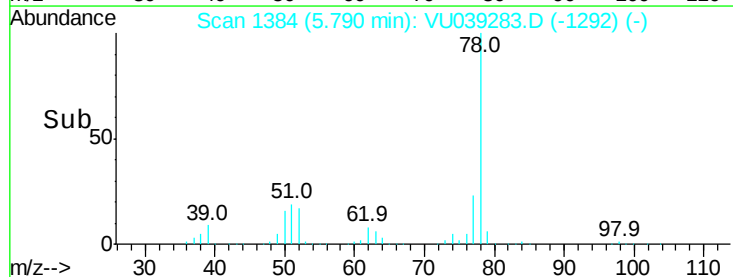
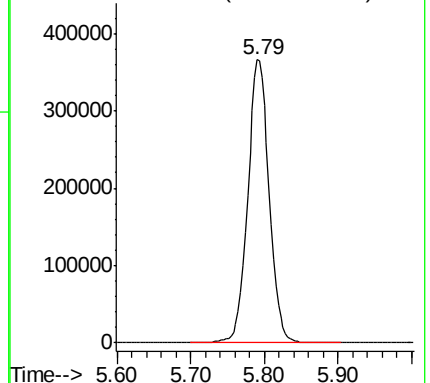
Lab File: VU039283.D

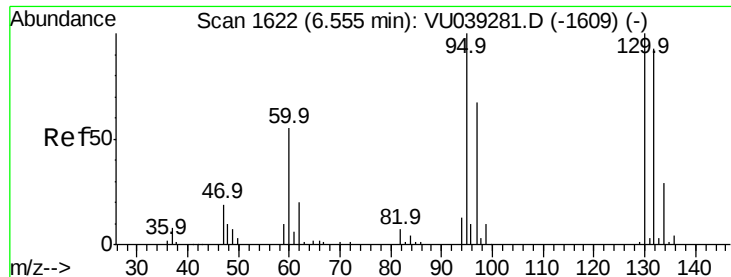
Acq: 06 Jul 2020 11:20

Tgt Ion: 78 Resp: 738443



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 18.851 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

Tgt Ion: 95 Resp: 197227

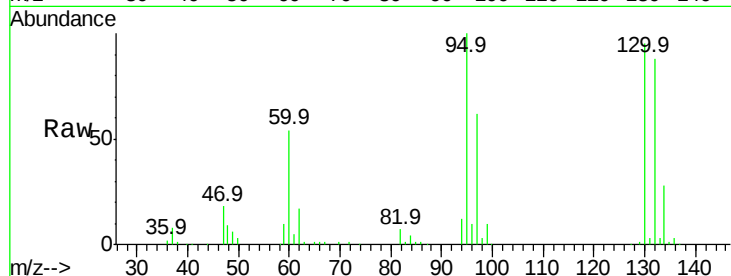
Ion Ratio Lower Upper

95 100

97 62.2 47.0 87.2

132 88.4 65.0 120.8

130 95.2 69.8 129.6

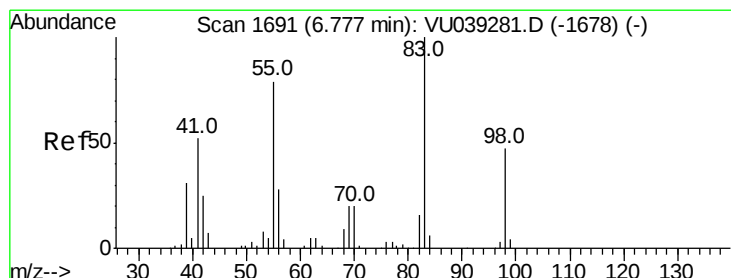
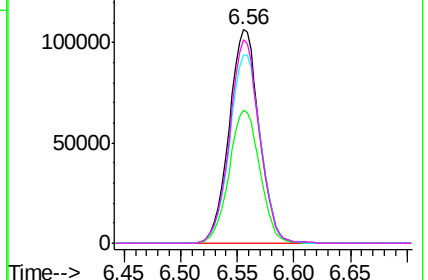
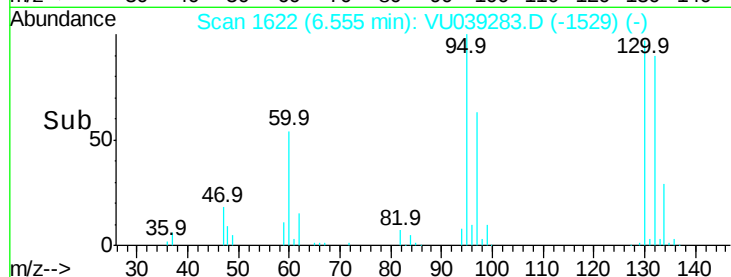


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 20.120 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

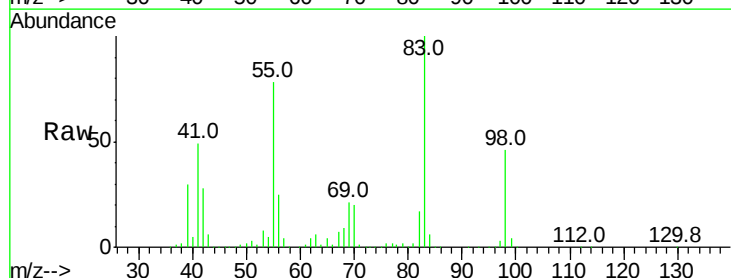
Tgt Ion: 83 Resp: 311636

Ion Ratio Lower Upper

83 100

55 78.4 63.3 94.9

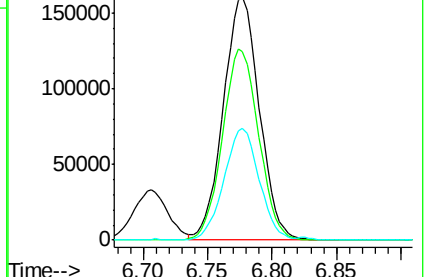
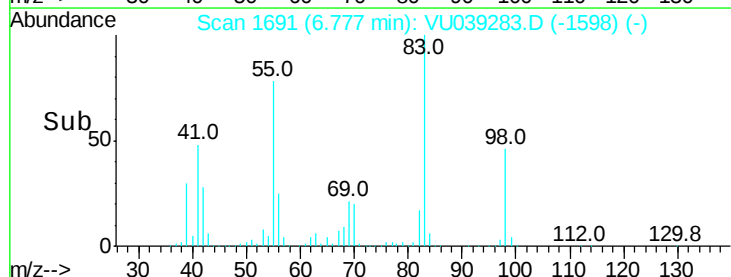
98 45.0 37.4 56.2

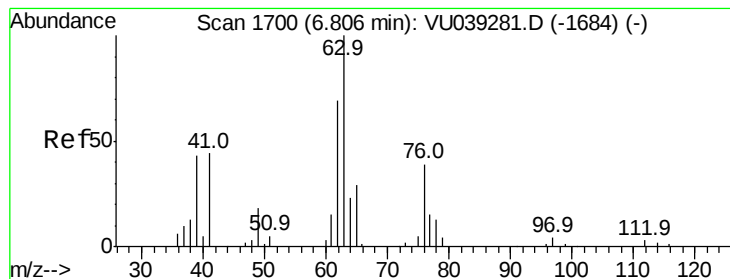


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 18.830 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

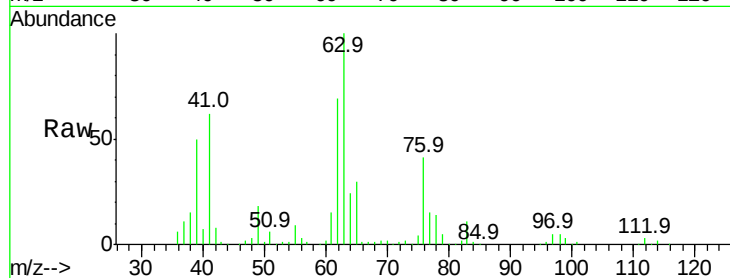
VSTD02002

Tgt Ion: 63 Resp: 201405

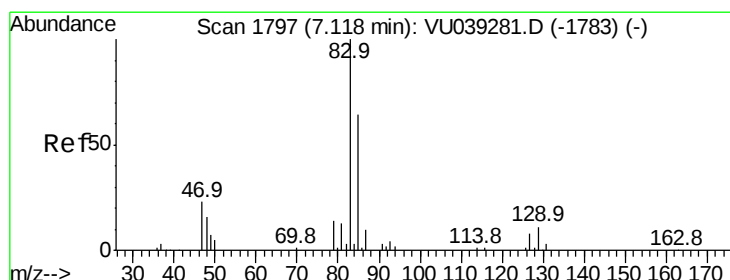
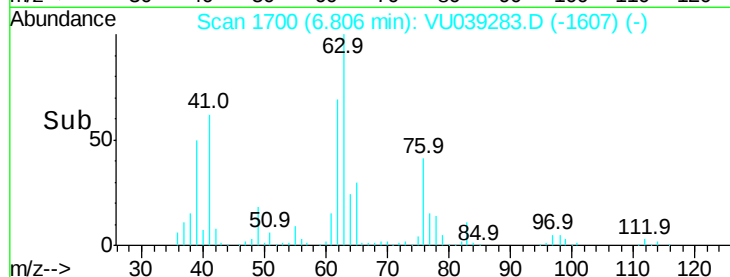
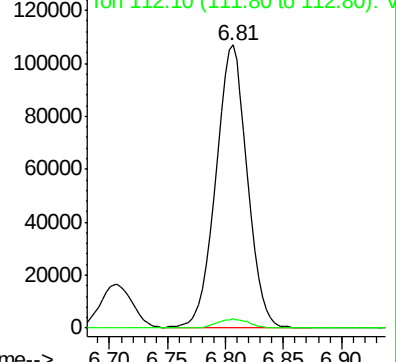
Ion Ratio Lower Upper

63 100

112 3.4 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VU039283.D (-1607) (-)



#38

Bromodichloromethane

Concen: 18.719 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

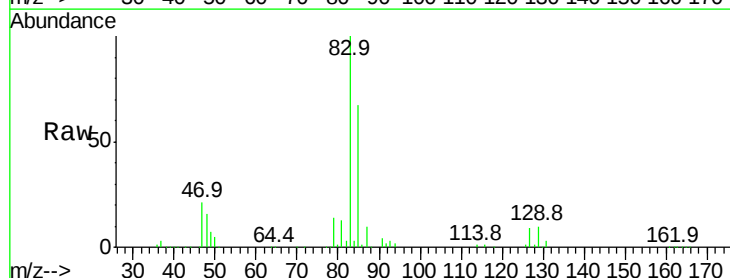
Tgt Ion: 83 Resp: 271871

Ion Ratio Lower Upper

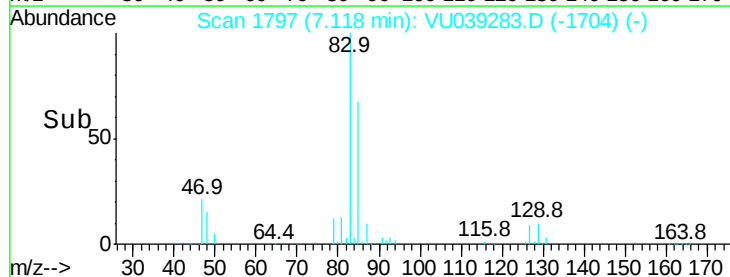
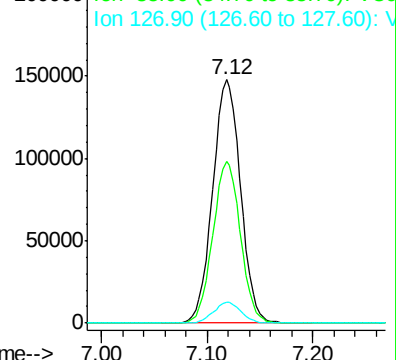
83 100

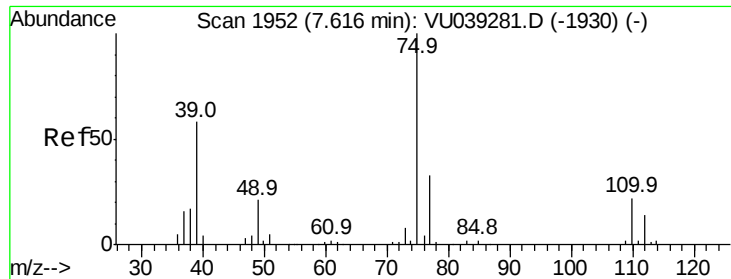
85 66.5 44.5 82.7

127 8.5 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU039283.D (-1704) (-)

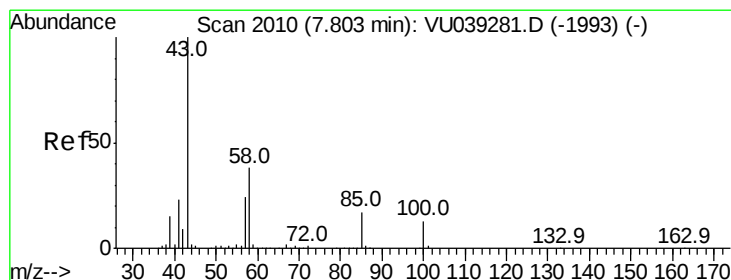
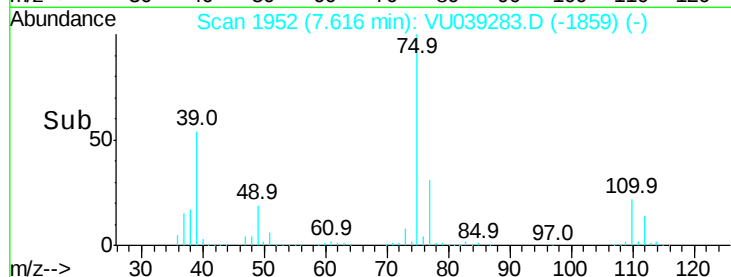
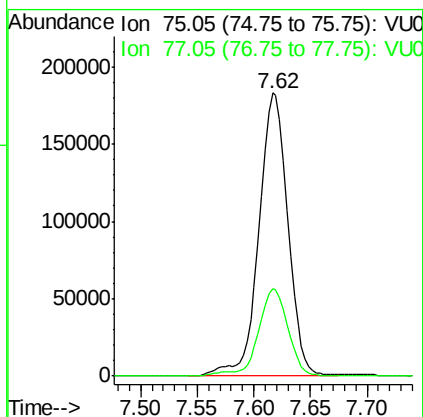
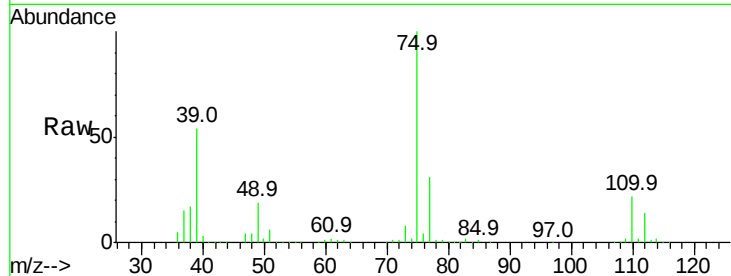




#39
 cis-1,3-Dichloropropene
 Concen: 19.545 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

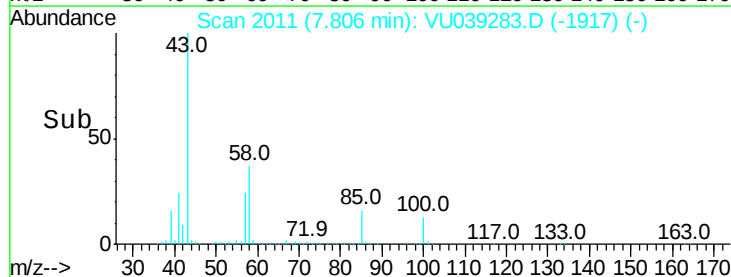
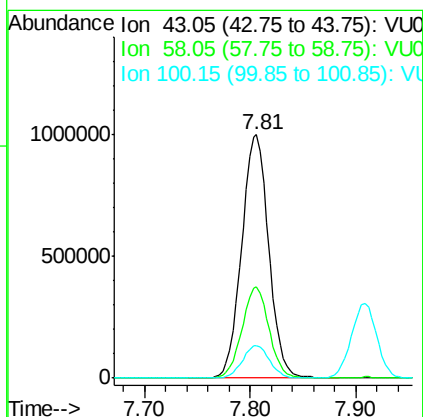
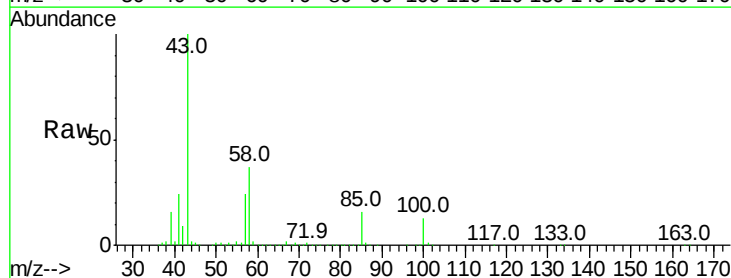
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

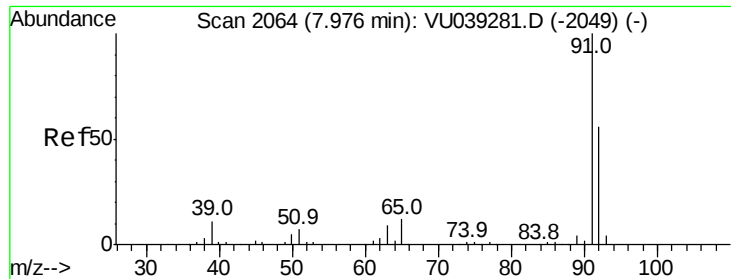
Tgt Ion: 75 Resp: 326549
 Ion Ratio Lower Upper
 75 100
 77 30.9 23.3 43.3



#40
 4-Methyl-2-pentanone
 Concen: 204.624 ug/L
 RT: 7.81 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Tgt Ion: 43 Resp: 1785330
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.3 45.5
 100 13.4 10.6 15.8





#42

Toluene

Concen: 19.231 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

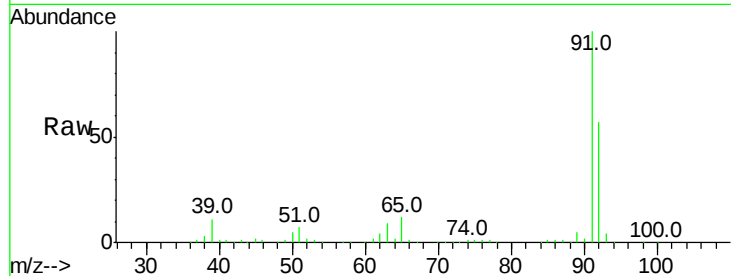
VSTD02002

Tgt Ion: 91 Resp: 872963

Ion Ratio Lower Upper

91 100

92 57.1 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU039283.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039283.D (-2049) (-)

7.98

500000

400000

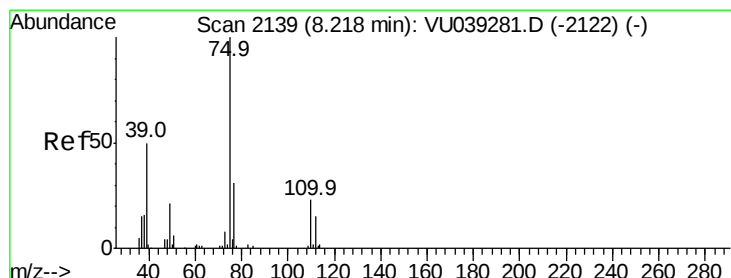
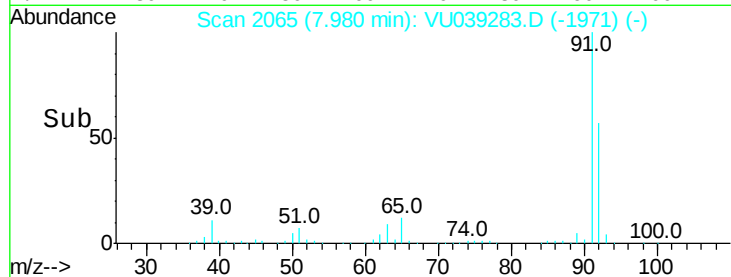
300000

200000

100000

0

Time--> 7.90 8.00 8.10



#44

trans-1,3-Dichloropropene

Concen: 18.594 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039283.D

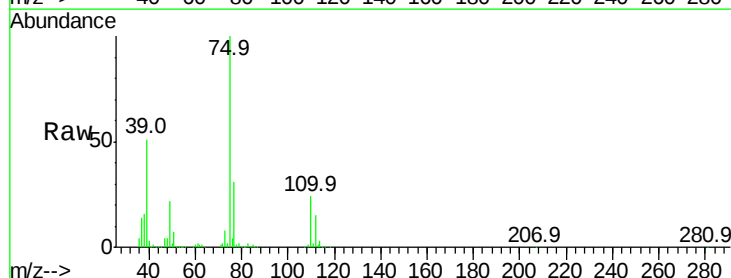
Acq: 06 Jul 2020 11:20

Tgt Ion: 75 Resp: 306169

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU039283.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039283.D (-2046) (-)

8.22

200000

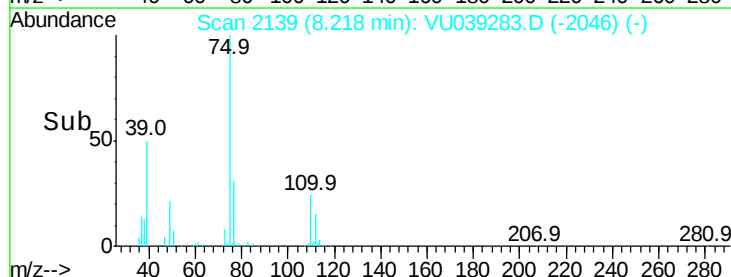
150000

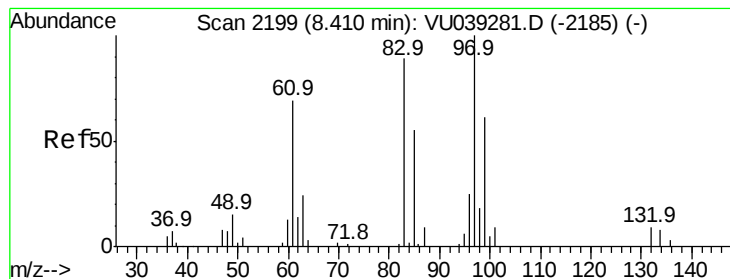
100000

50000

0

Time--> 8.10 8.20 8.30





#45

1,1,2-Trichloroethane

Concen: 17.584 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

Tgt Ion: 97 Resp: 157223

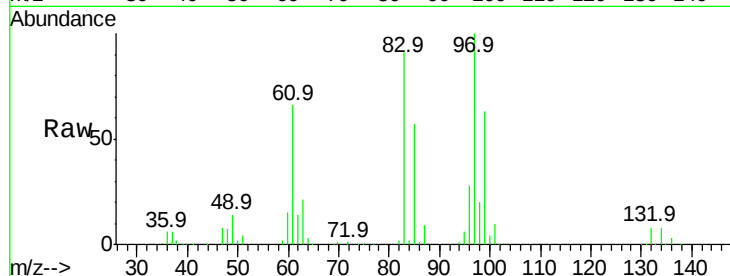
Ion Ratio Lower Upper

97 100

99 62.7 42.5 78.9

83 90.5 62.2 115.4

85 56.8 38.7 71.9

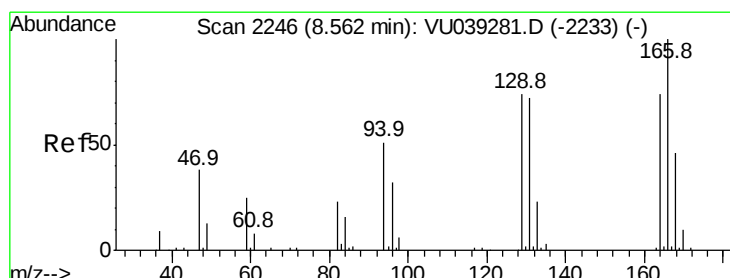
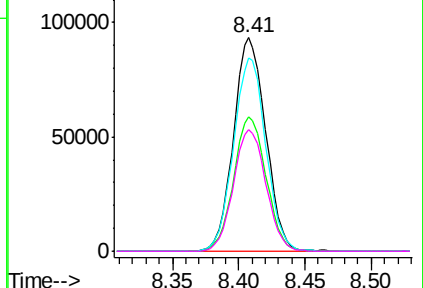
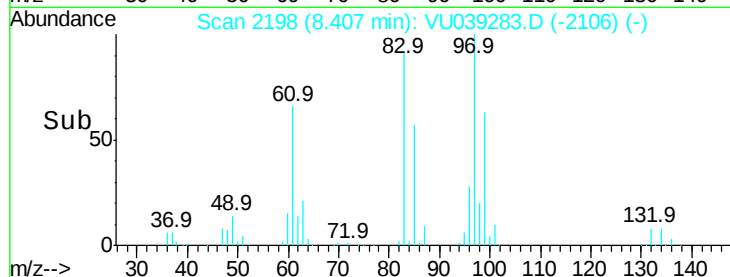


Abundance Ion 96.95 (96.65 to 97.65): VU039283.D (-2199) (-)

Ion 99.05 (98.75 to 99.75): VU039283.D (-2199) (-)

Ion 82.95 (82.65 to 83.65): VU039283.D (-2199) (-)

Ion 85.00 (84.70 to 85.70): VU039283.D (-2199) (-)



#47

Tetrachloroethene

Concen: 17.887 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Tgt Ion: 164 Resp: 139496

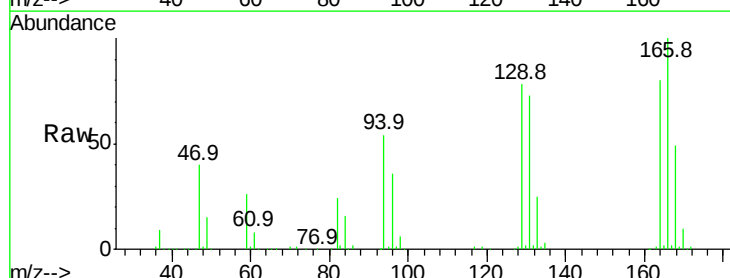
Ion Ratio Lower Upper

164 100

129 97.5 70.5 130.9

131 90.8 68.7 127.5

166 124.7 94.9 176.3

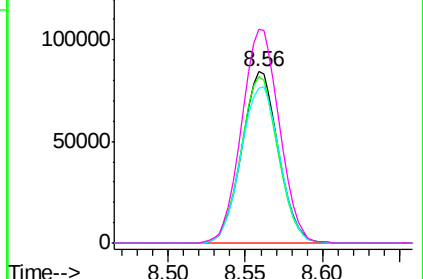
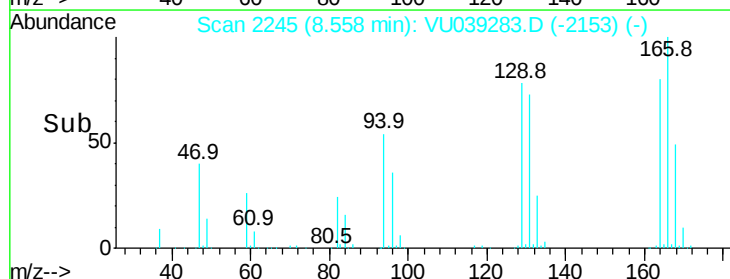


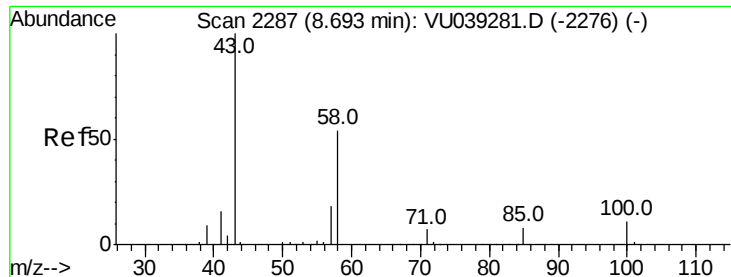
Abundance Ion 163.90 (163.60 to 164.60): VU039283.D (-2246) (-)

Ion 128.95 (128.65 to 129.65): VU039283.D (-2246) (-)

Ion 130.95 (130.65 to 131.65): VU039283.D (-2246) (-)

Ion 165.90 (165.60 to 166.60): VU039283.D (-2246) (-)



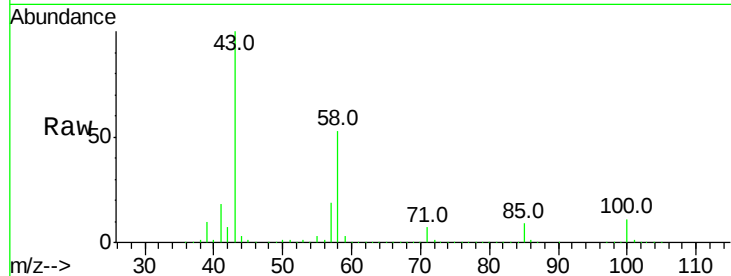


#48
2-Hexanone
Concen: 200.840 ug/L
RT: 8.70 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion: 43 Resp: 1427048

Ion	Ratio	Lower	Upper
43	100		
58	53.6	43.1	64.7
57	18.7	14.4	21.6
100	11.1	8.3	12.5

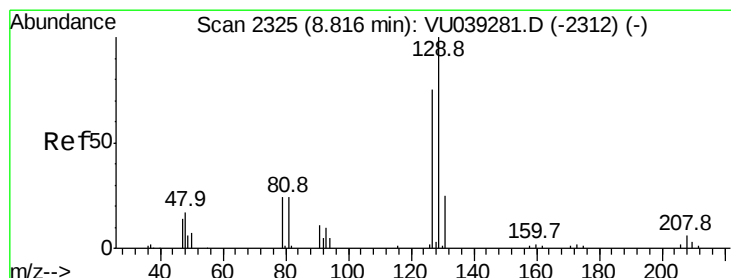
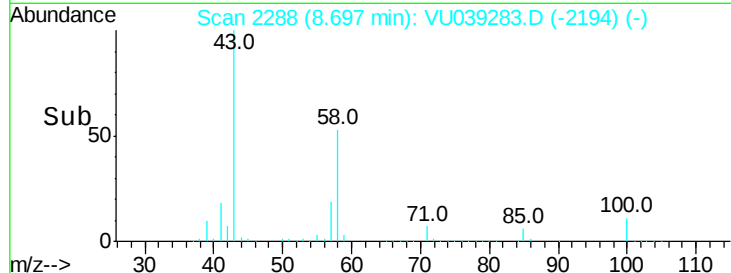
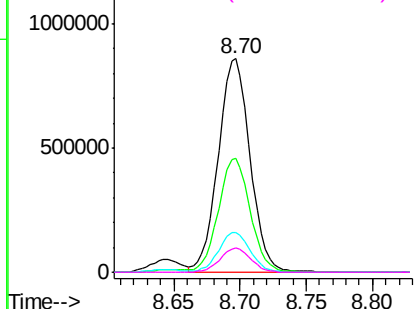


Abundance Ion 43.05 (42.75 to 43.75): VU039283.D (-2194) (-)

Ion 58.05 (57.75 to 58.75): VU039283.D (-2194) (-)

Ion 57.20 (56.90 to 57.90): VU039283.D (-2194) (-)

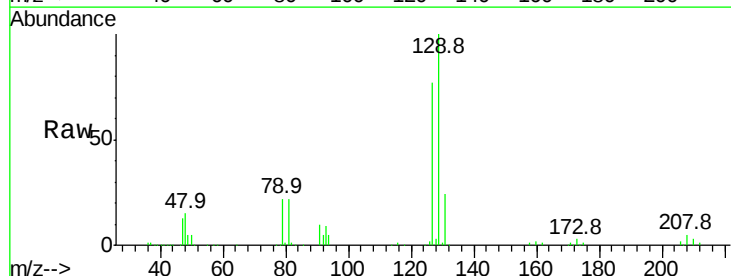
Ion 100.15 (99.85 to 100.85): VU039283.D (-2194) (-)



#49
Dibromochloromethane
Concen: 22.317 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

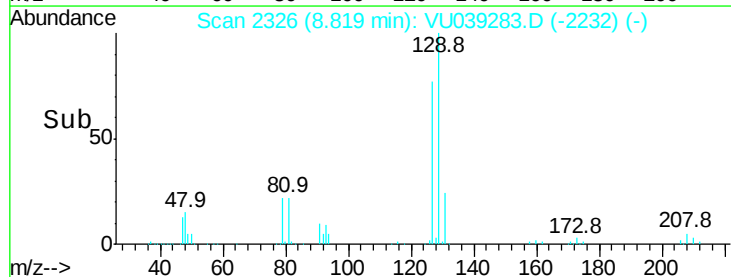
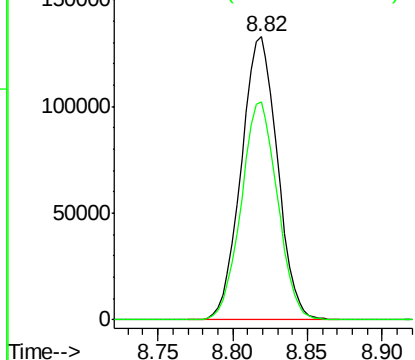
Tgt Ion: 129 Resp: 223907

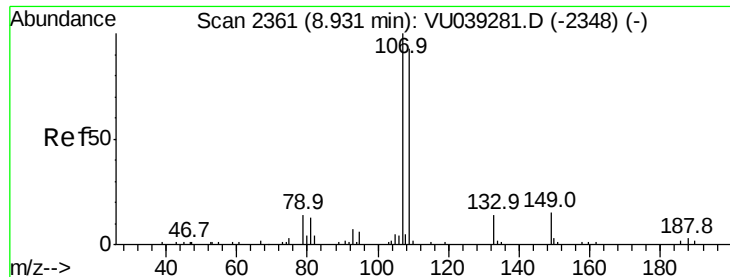
Ion	Ratio	Lower	Upper
129	100		
127	77.0	52.6	97.8



Abundance Ion 128.95 (128.65 to 129.65): VU039283.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU039283.D (-2232) (-)

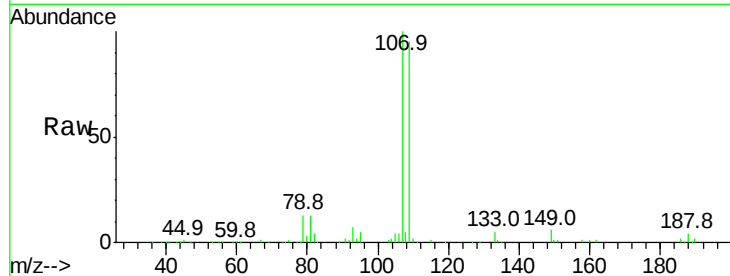




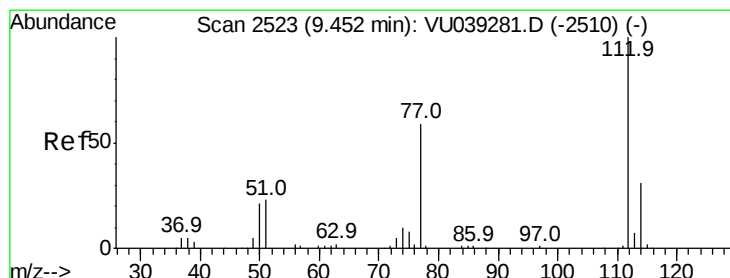
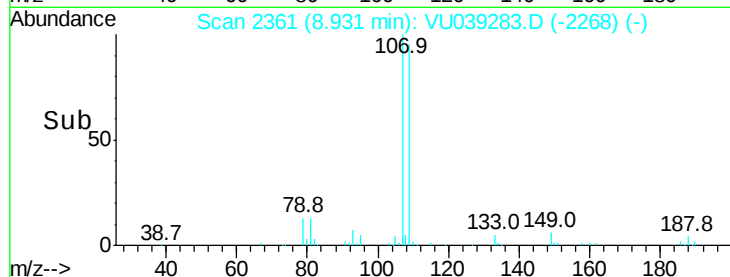
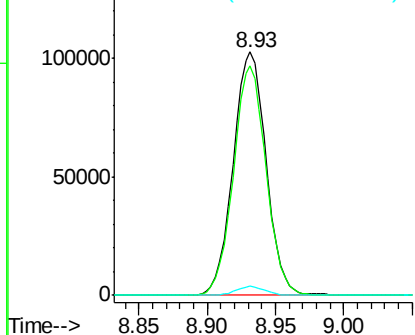
#50
1,2-Dibromoethane
Concen: 20.373 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion:107 Resp: 172744
Ion Ratio Lower Upper
107 100
109 94.5 64.8 120.4
188 3.6 2.7 4.1

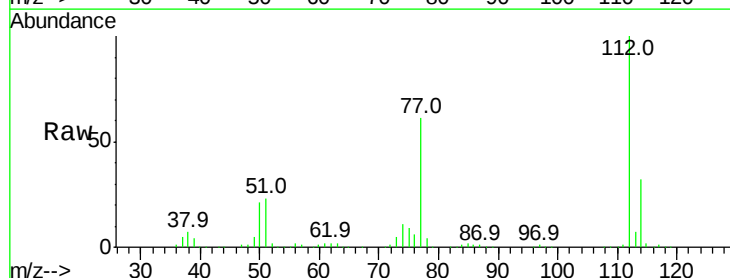


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

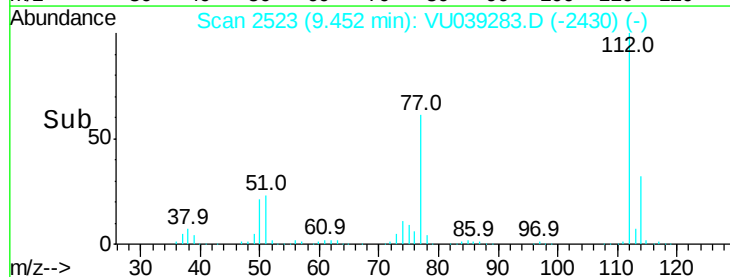
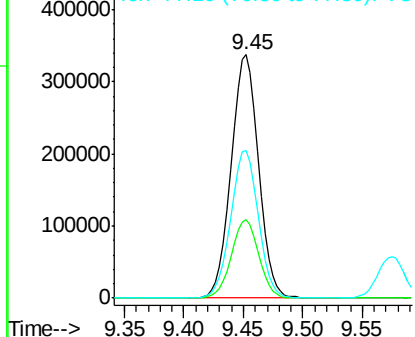


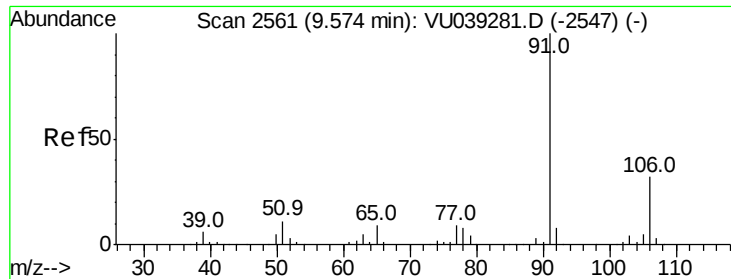
#51
Chlorobenzene
Concen: 18.692 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

Tgt Ion:112 Resp: 539388
Ion Ratio Lower Upper
112 100
114 32.3 21.9 40.7
77 60.7 48.2 72.4



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

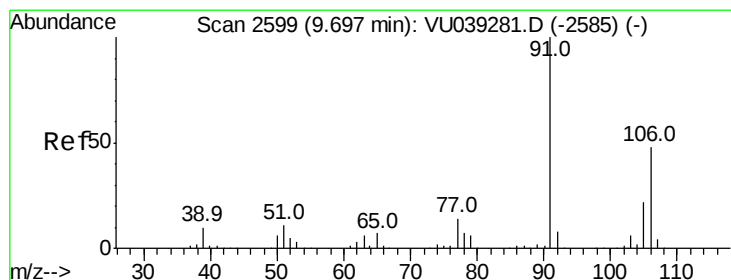
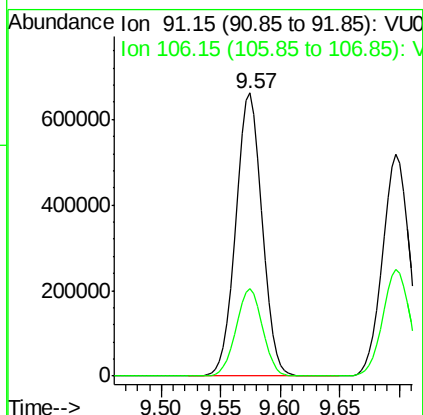
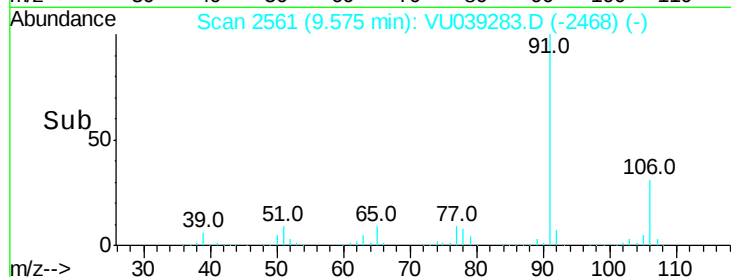
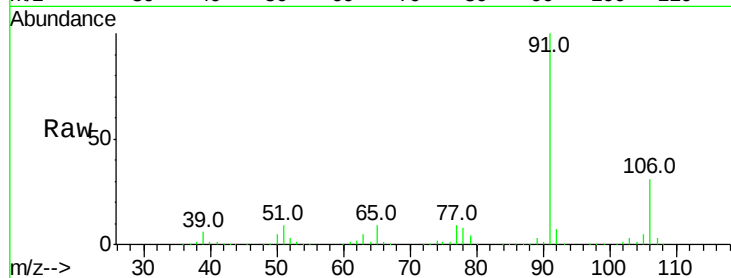




#52
Ethylbenzene
Concen: 20.815 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

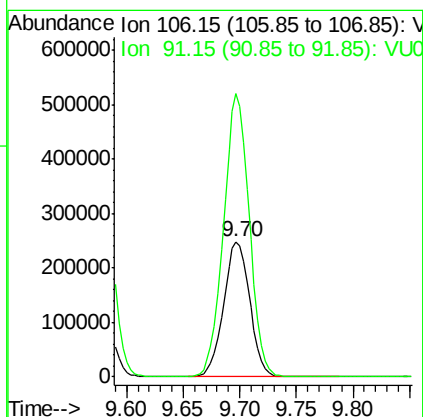
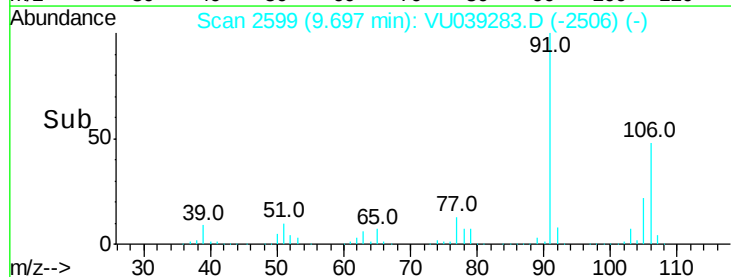
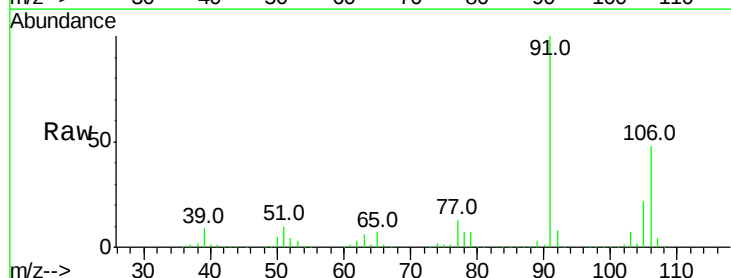
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

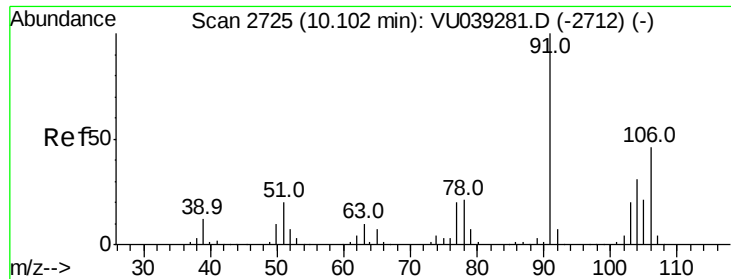
Tgt Ion: 91 Resp: 1013727
Ion Ratio Lower Upper
91 100
106 30.8 22.1 41.1



#53
m,p-Xylene
Concen: 22.412 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

Tgt Ion: 106 Resp: 399349
Ion Ratio Lower Upper
106 100
91 209.3 146.6 272.2

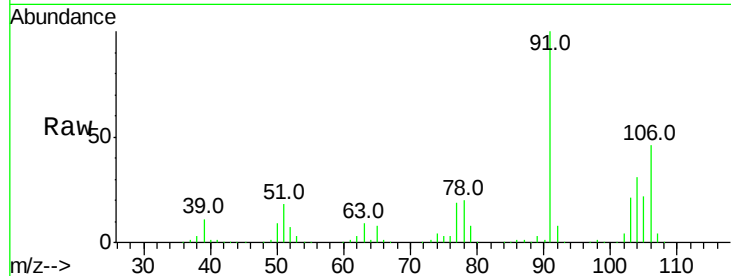




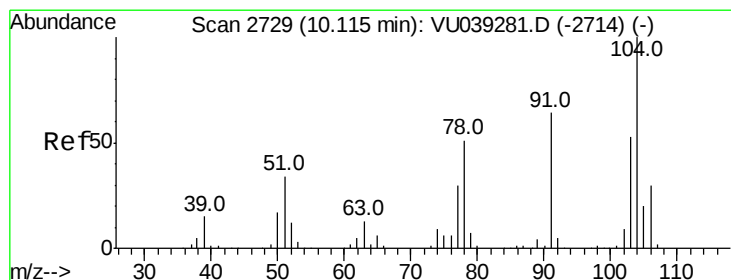
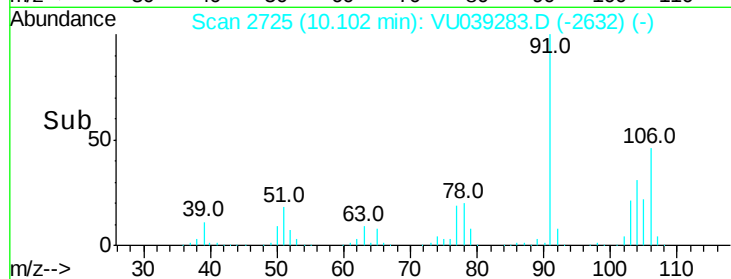
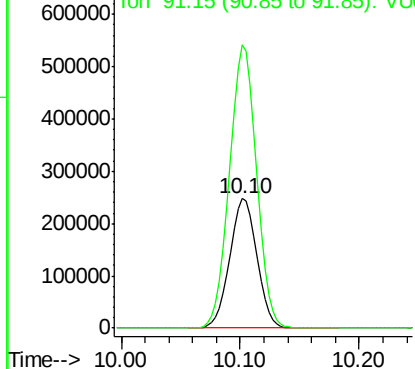
#54
o-Xylene
Concen: 22.948 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion:106 Resp: 392783
Ion Ratio Lower Upper
106 100
91 218.5 153.6 285.3

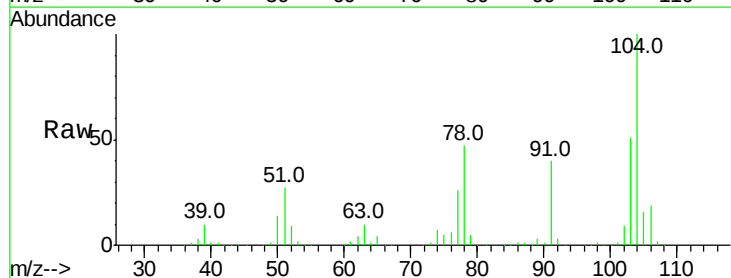


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

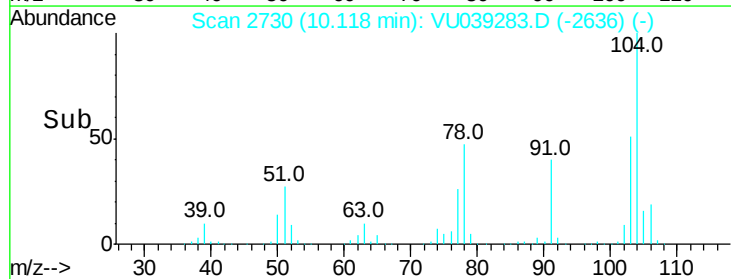
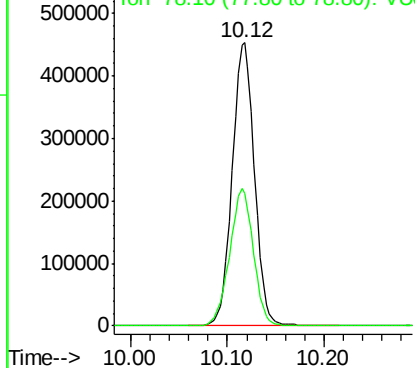


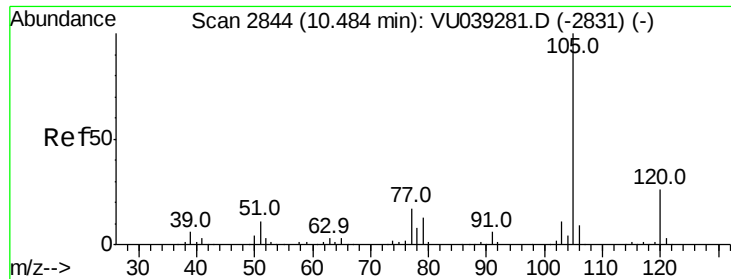
#55
Styrene
Concen: 23.917 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039283.D
Acq: 06 Jul 2020 11:20

Tgt Ion:104 Resp: 721750
Ion Ratio Lower Upper
104 100
78 46.8 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: 23.725 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

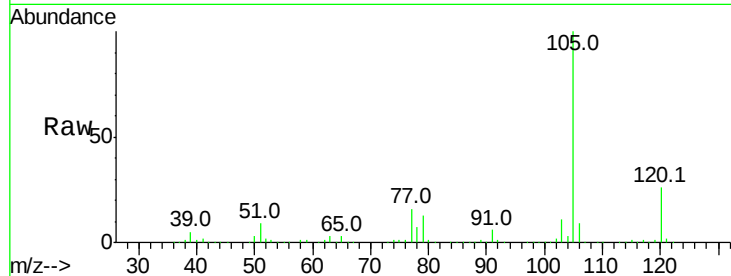
Tgt Ion:105 Resp: 1080081

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

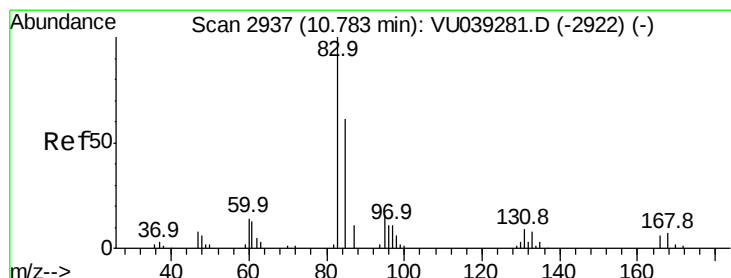
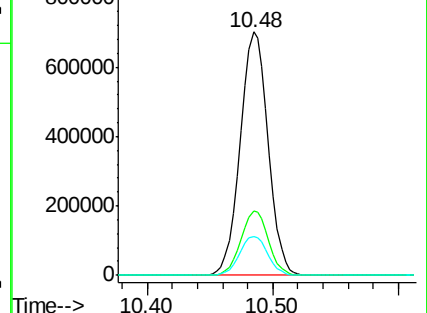
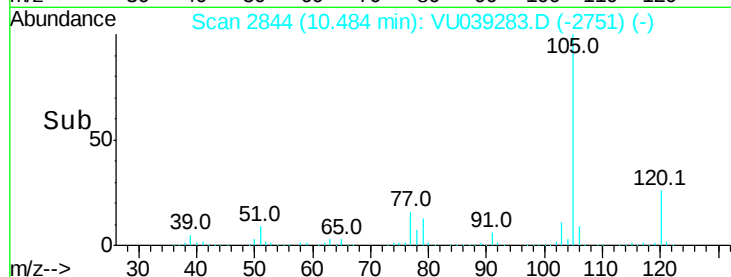
77 16.3 13.7 20.5



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: 20.239 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

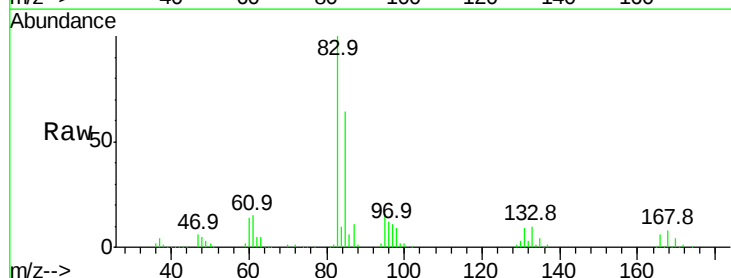
Tgt Ion: 83 Resp: 239224

Ion Ratio Lower Upper

83 100

85 63.9 43.0 79.8

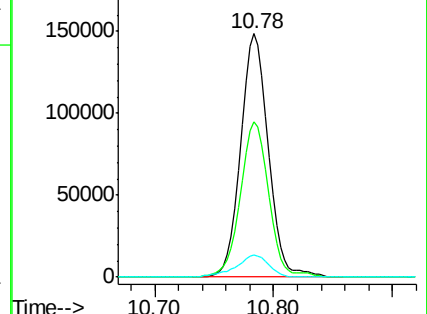
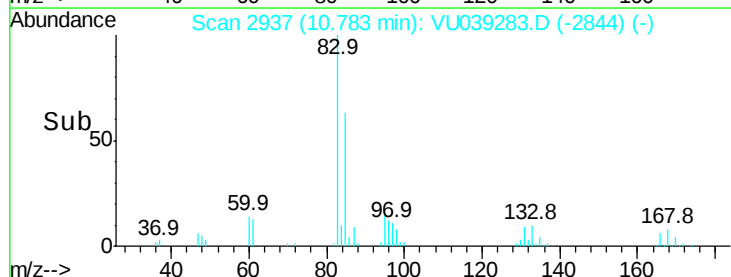
131 9.1 7.4 11.2

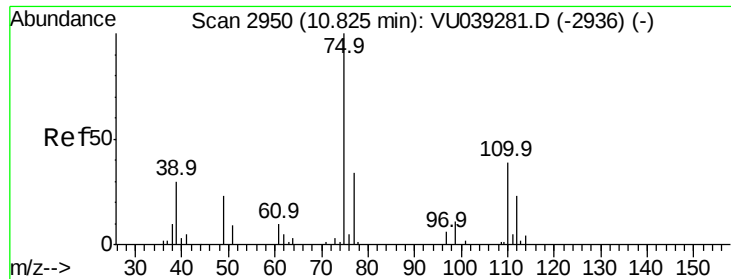


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

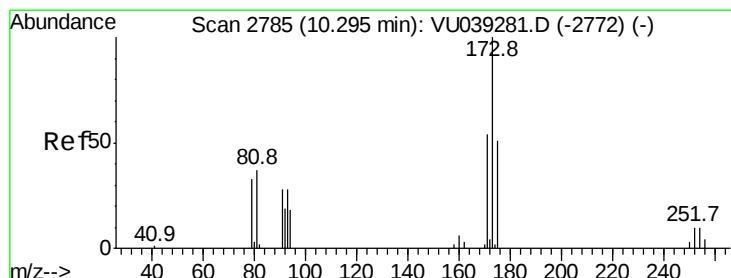
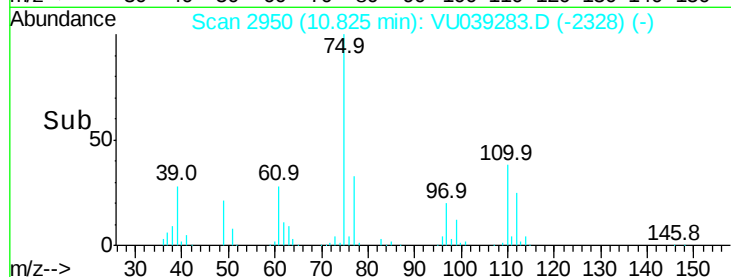
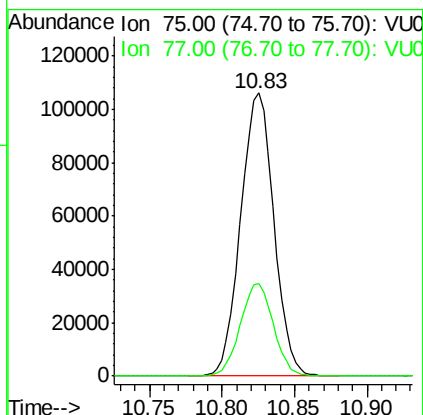
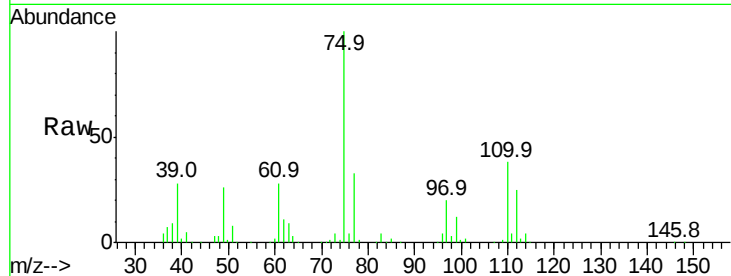




#59
 1,2,3-Trichloropropane
 Concen: 19.164 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

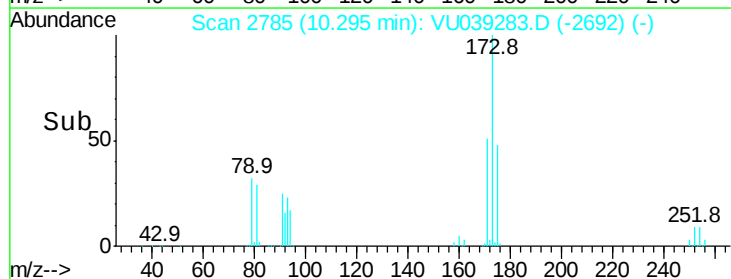
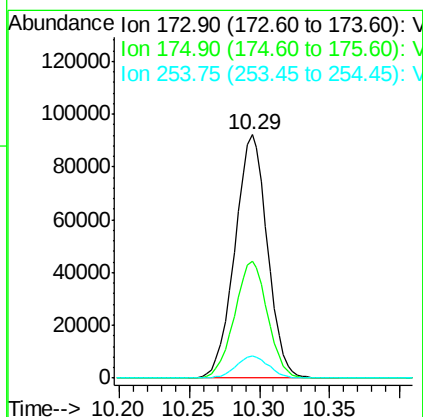
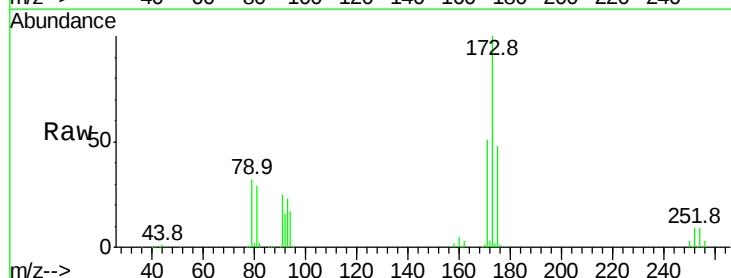
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

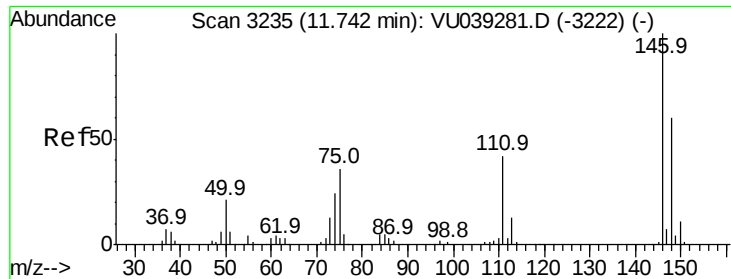
Tgt Ion: 75 Resp: 169437
 Ion Ratio Lower Upper
 75 100
 77 32.6 27.7 41.5



#61
 Bromoform
 Concen: 22.871 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Tgt Ion: 173 Resp: 148751
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.3 58.9
 254 9.2 7.1 10.7

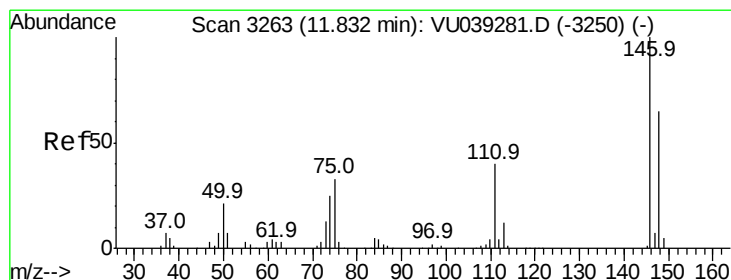
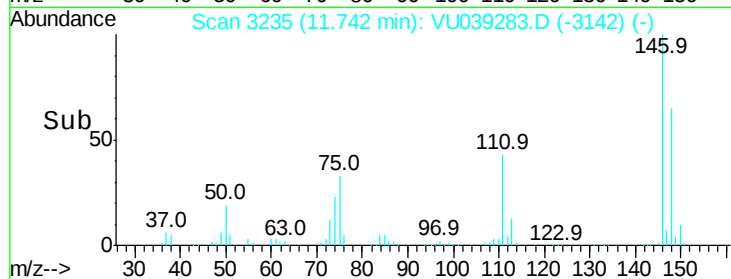
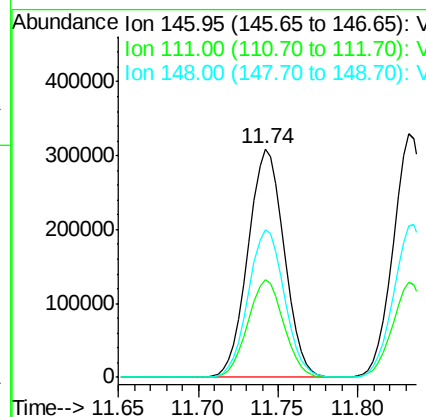
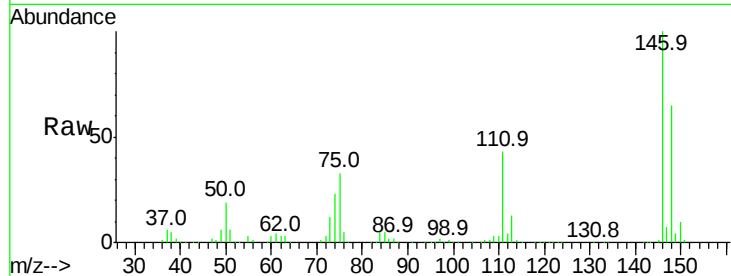




#62
 1,3-Dichlorobenzene
 Concen: 19.067 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

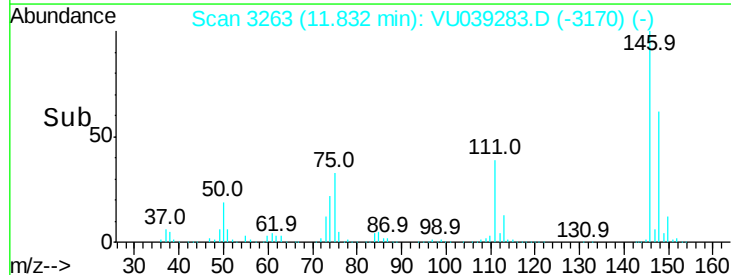
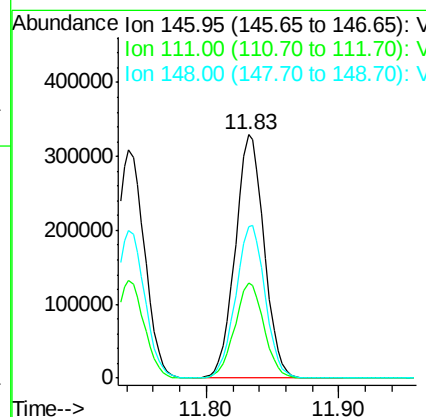
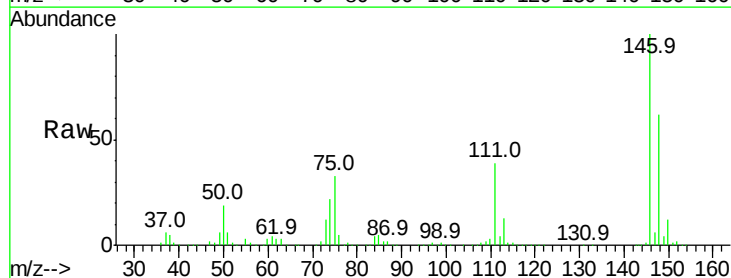
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

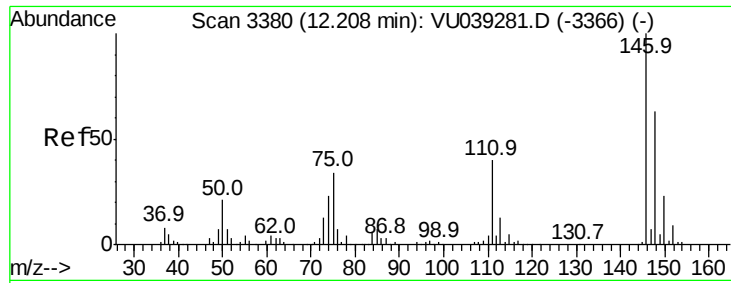
Tgt Ion:146 Resp: 476131
 Ion Ratio Lower Upper
 146 100
 111 42.8 29.4 54.6
 148 64.7 42.0 78.0



#63
 1,4-Dichlorobenzene
 Concen: 20.008 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Tgt Ion:146 Resp: 496780
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.3 52.5
 148 62.2 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 19.511 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

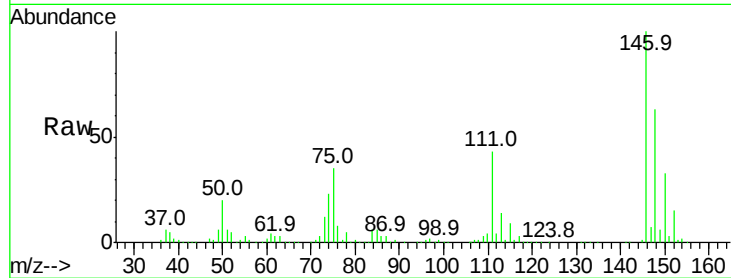
Tgt Ion:146 Resp: 486789

Ion Ratio Lower Upper

146 100

111 42.9 31.9 47.9

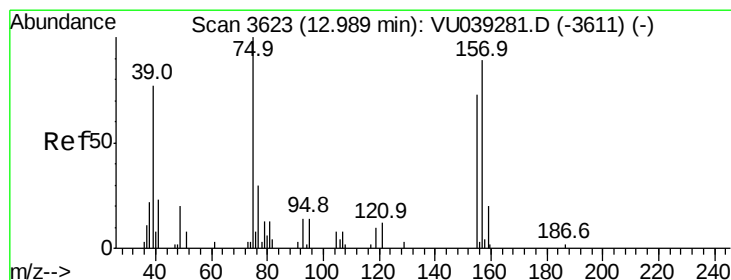
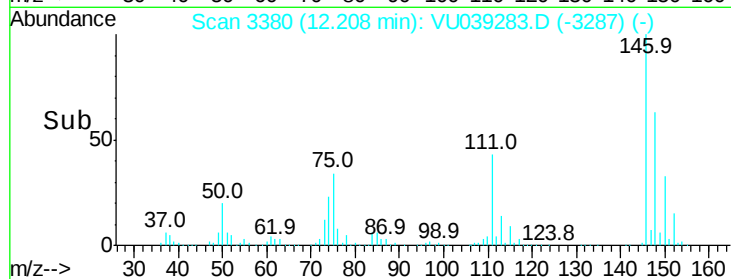
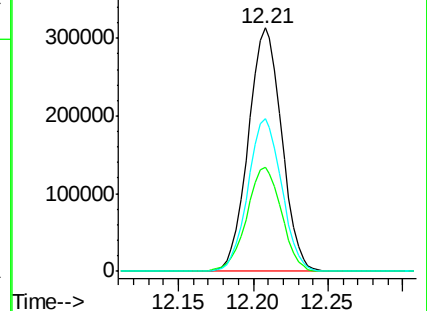
148 62.8 50.6 76.0



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: 18.482 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

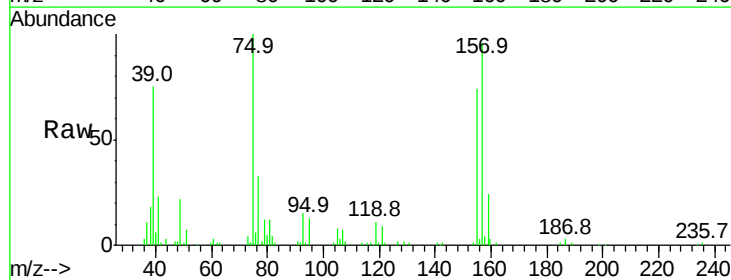
Tgt Ion: 75 Resp: 46441

Ion Ratio Lower Upper

75 100

155 74.4 58.6 88.0

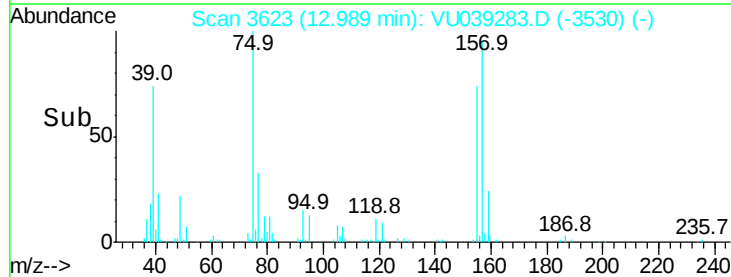
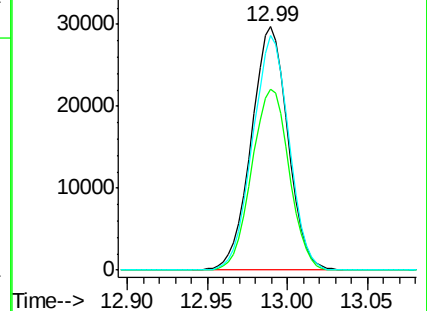
157 96.2 71.4 107.0

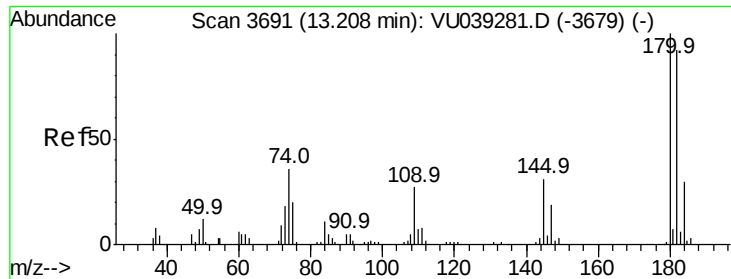


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

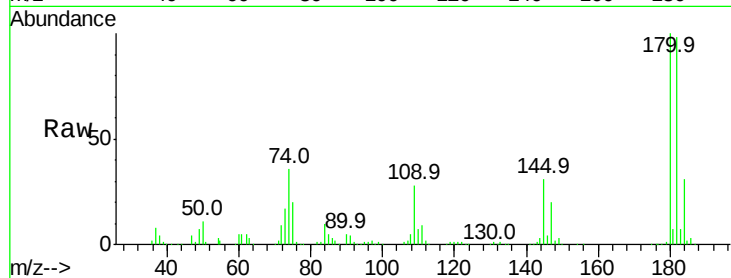




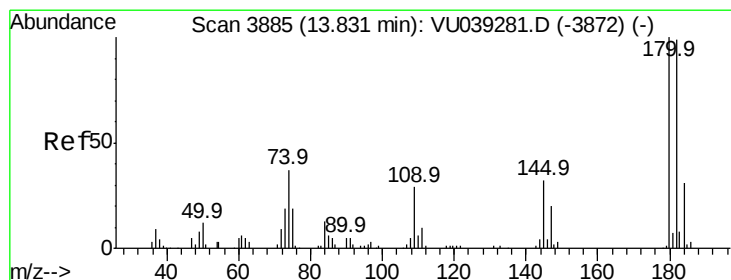
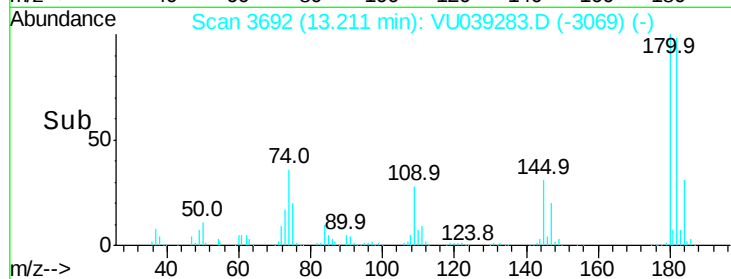
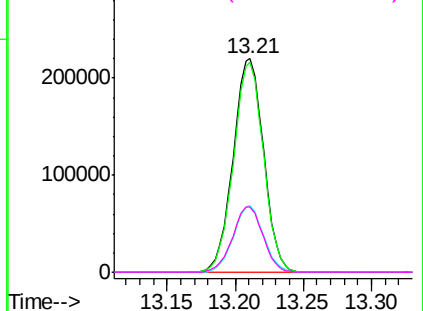
#67
 1,3,5-Trichlorobenzene
 Concen: 18.300 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion:180 Resp: 339908
 Ion Ratio Lower Upper
 180 100
 182 96.7 74.7 112.1
 184 30.7 23.7 35.5
 145 30.7 24.2 36.4

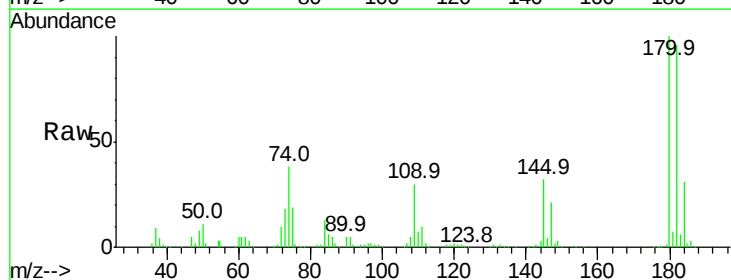


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

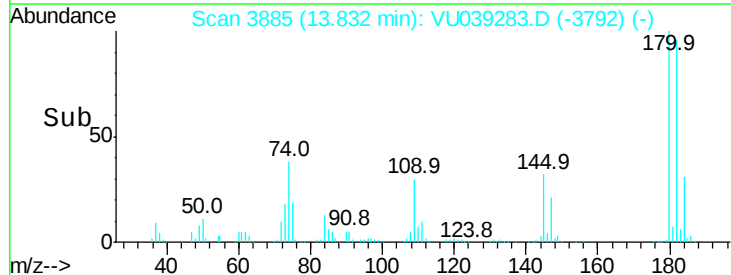
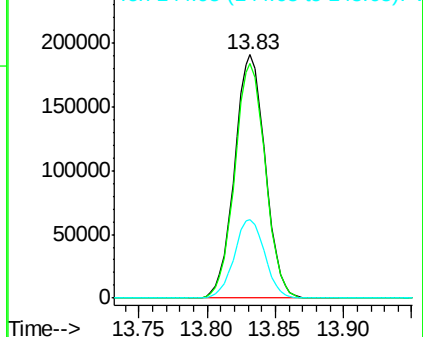


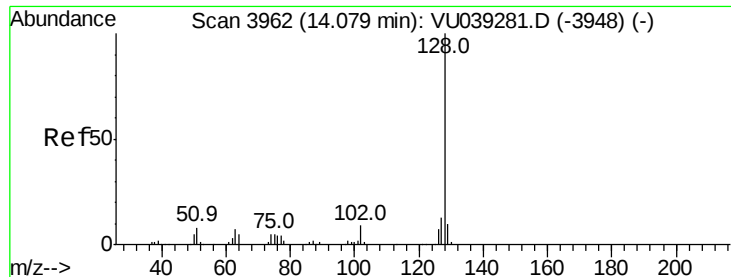
#68
 1,2,4-trichlorobenzene
 Concen: 19.006 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039283.D
 Acq: 06 Jul 2020 11:20

Tgt Ion:180 Resp: 298017
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.6 116.4
 145 32.2 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: 22.342 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

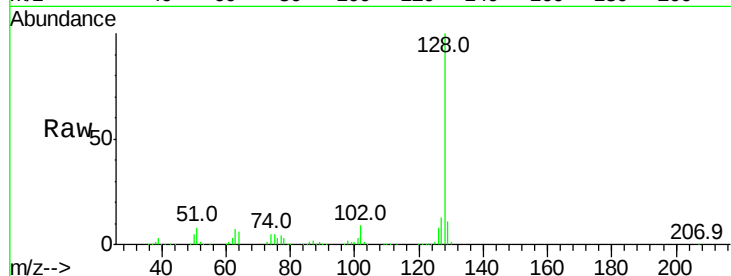
Tgt Ion:128 Resp: 630060

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

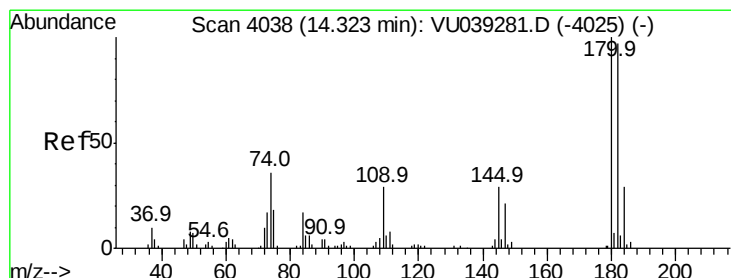
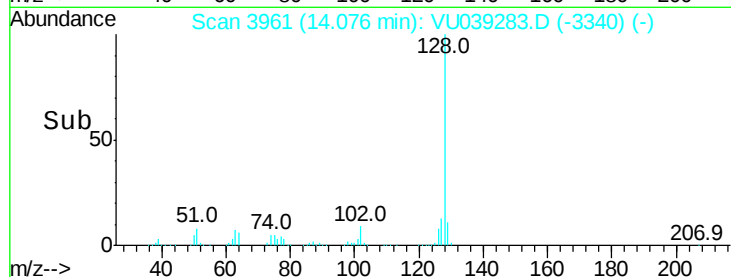
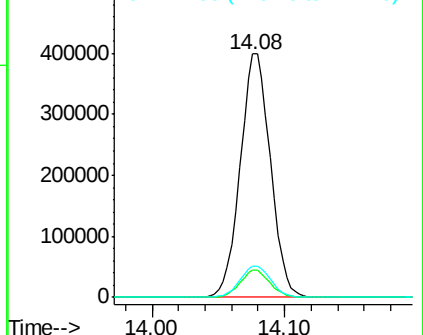
127 13.2 10.7 16.1



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: 18.765 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039283.D

Acq: 06 Jul 2020 11:20

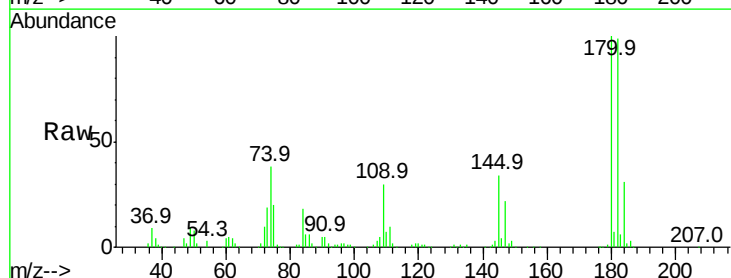
Tgt Ion:180 Resp: 273649

Ion Ratio Lower Upper

180 100

182 97.3 77.8 116.6

145 33.2 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

