

Data File : VU039315.D
Acq On : 07 Jul 2020 14:35
Operator : SY/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Quant Time: Jul 07 14:52:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 14:10:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	125312	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119787	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	145178	15.06	ug/L	0.00
7) Chloroethane-d5	1.93	69	157030	17.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	291123	16.25	ug/L	0.00
20) 2-Butanone-d5	4.66	46	705262	194.17	ug/L	0.00
24) Chloroform-d	5.09	84	331863	17.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	198435	17.37	ug/L	0.00
32) Benzene-d6	5.75	84	606026	16.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	210856	17.22	ug/L	0.00
41) Toluene-d8	7.91	98	529883	15.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	98325	17.36	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	603291	202.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	235746	20.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	251069	17.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	150041	21.055 ug/L	99
3) Chloromethane	1.53	50	168511	18.557 ug/L	100
5) Vinyl chloride	1.61	62	190185	20.371 ug/L	97
6) Bromomethane	1.87	94	93755	16.379 ug/L	96
8) Chloroethane	1.94	64	148552	23.247 ug/L	95
9) Trichlorofluoromethane	2.15	101	447736	27.419 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	145021	20.366 ug/L	100
12) 1,1-Dichloroethene	2.59	96	144099	20.300 ug/L	94
13) Acetone	2.66	43	331950	193.146 ug/L	100
14) Carbon disulfide	2.81	76	498879	22.042 ug/L	99
15) Methyl Acetate	2.97	43	86048	20.012 ug/L	96
16) Methylene chloride	3.06	84	163162	18.048 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	455762	19.518 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	157361	20.390 ug/L	96
19) 1,1-Dichloroethane	3.89	63	308909	19.978 ug/L	99
21) 2-Butanone	4.74	43	613540	196.139 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	175858	19.997 ug/L	97
23) Bromochloromethane	5.00	128	79240	19.998 ug/L	96
25) Chloroform	5.11	83	316112	19.627 ug/L	100
27) 1,2-Dichloroethane	5.81	62	231999	19.991 ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	276218	20.077 ug/L	98
30) Cyclohexane	5.41	56	289641	21.018 ug/L	99
31) Carbon tetrachloride	5.54	117	233144	20.154 ug/L	100
33) Benzene	5.79	78	678492	20.097 ug/L	100
34) Trichloroethene	6.56	95	176816	20.313 ug/L	97
35) Methylcyclohexane	6.78	83	294291	21.114 ug/L	98
37) 1,2-Dichloropropane	6.81	63	184264	19.564 ug/L	99
38) Bromodichloromethane	7.12	83	243058	19.794 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	292043	19.946 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	1573646	197.421 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 14:10:43 2020
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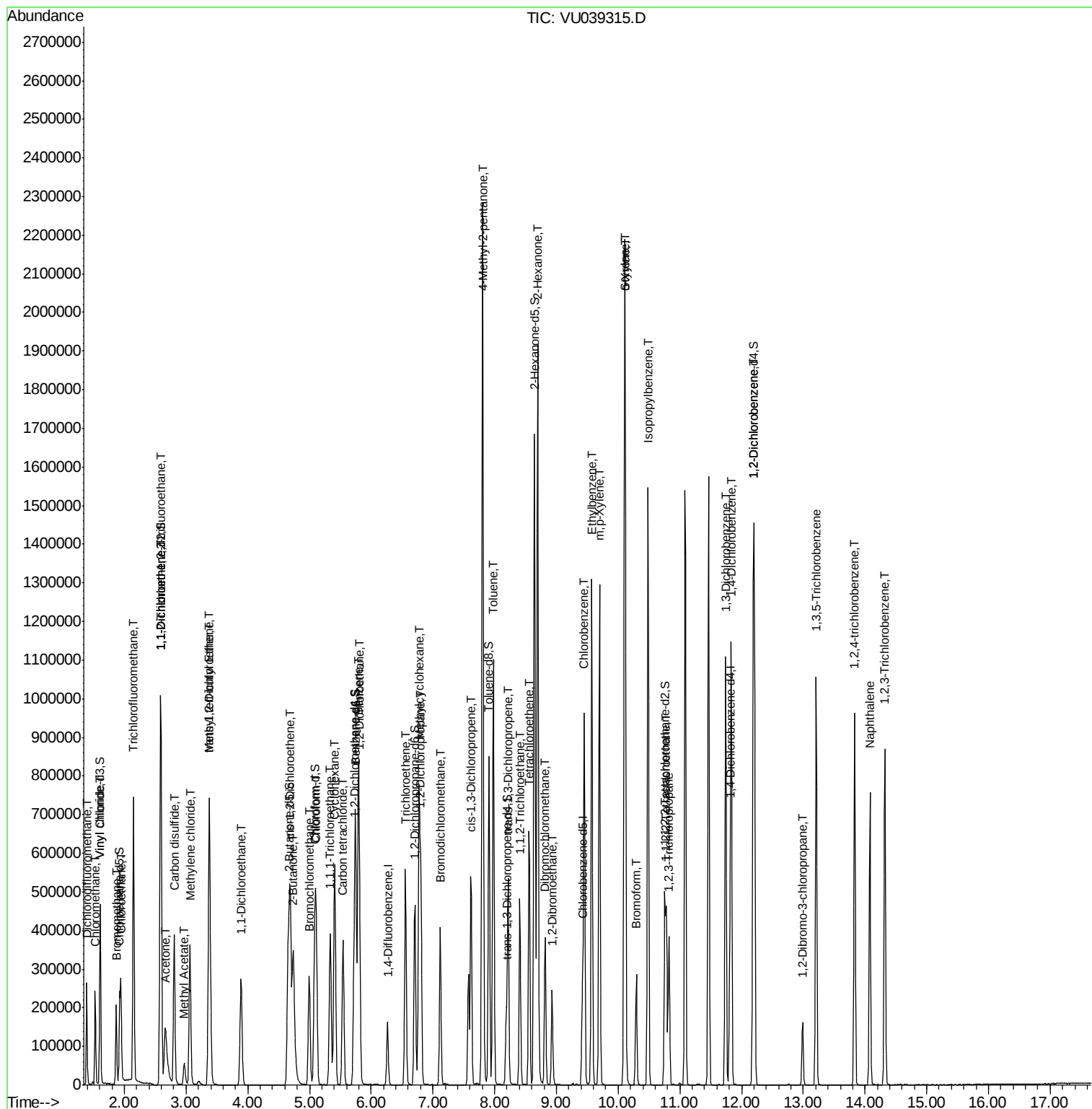
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	748620	20.372	ug/L	96
44) trans-1,3-Dichloropropene	8.22	75	269468	20.436	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	138738	19.806	ug/L	96
47) Tetrachloroethene	8.56	164	125765	20.558	ug/L	95
48) 2-Hexanone	8.69	43	1251875	211.179	ug/L	99
49) Dibromochloromethane	8.82	129	180644	20.538	ug/L	98
50) 1,2-Dibromoethane	8.93	107	143836	20.422	ug/L	99
51) Chlorobenzene	9.45	112	459324	20.213	ug/L	99
52) Ethylbenzene	9.57	91	891590	21.801	ug/L	97
53) m,p-Xylene	9.70	106	342892	22.225	ug/L	100
54) o-Xylene	10.10	106	344411	22.520	ug/L	99
55) Styrene	10.11	104	628952	23.521	ug/L	95
56) Isopropylbenzene	10.48	105	938706	22.665	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	205428	20.759	ug/L	98
59) 1,2,3-Trichloropropane	10.83	75	144094	20.357	ug/L	99
61) Bromoform	10.29	173	117225	20.137	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	403428	19.661	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	409587	20.322	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	402723	20.035	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	38701	19.303	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	286897	19.030	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	255650	19.610	ug/L	96
69) Naphthalene	14.08	128	547497	21.907	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	232389	19.549	ug/L	98

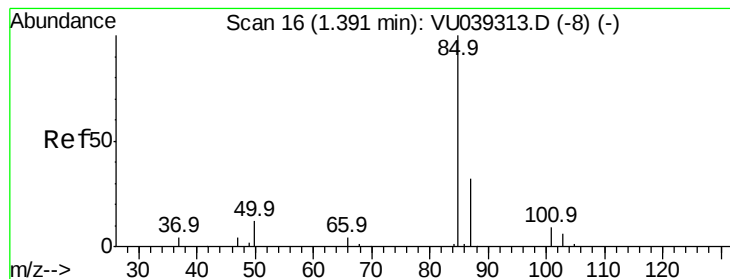
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.055 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039315.D

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Instrument :

MSVOA_U

ClientSampleId :

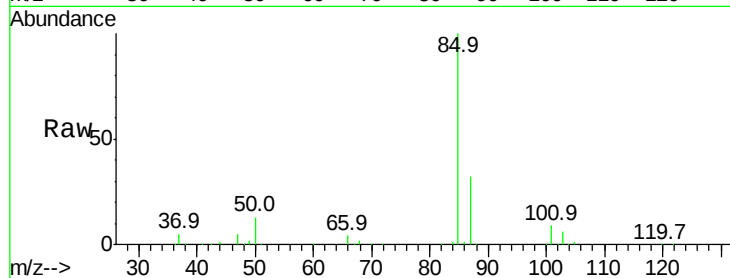
VSTD02003

Tgt Ion: 85 Resp: 150041

Ion Ratio Lower Upper

85 100

87 31.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039315.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039315.D (-8) (-)

1.39

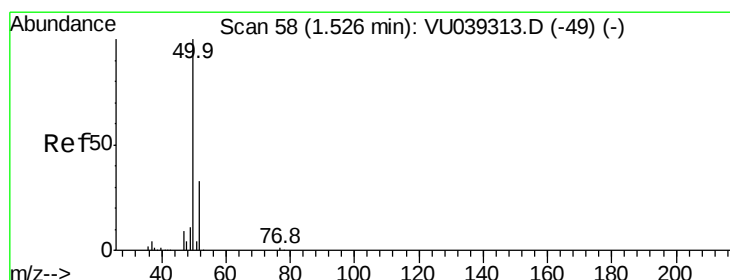
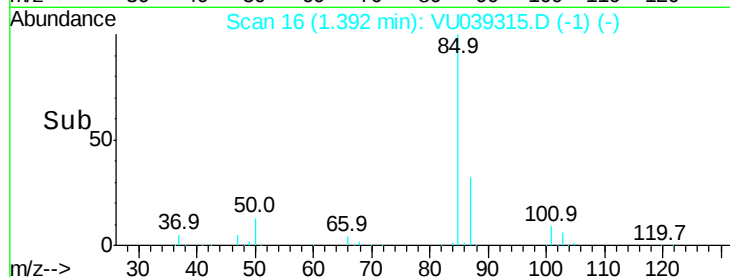
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 18.557 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039315.D

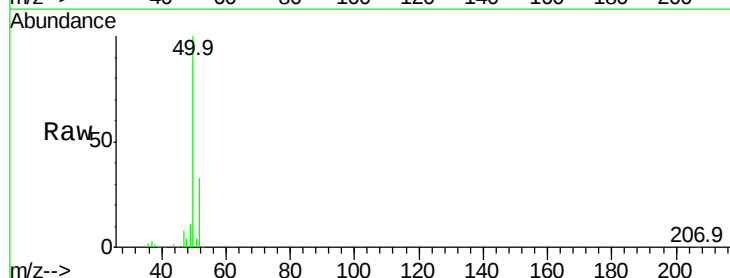
Acq: 07 Jul 2020 14:35

Tgt Ion: 50 Resp: 168511

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039315.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039315.D (-49) (-)

1.53

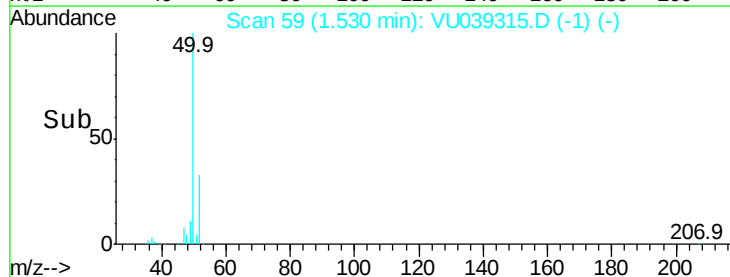
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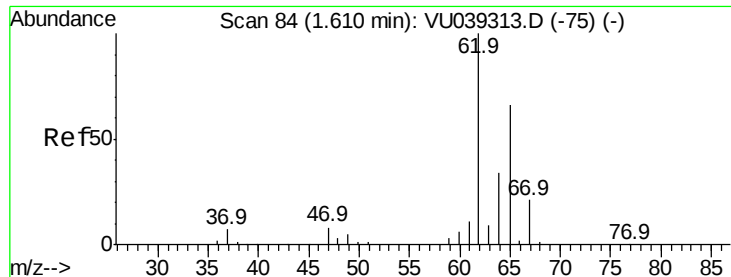
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 20.371 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

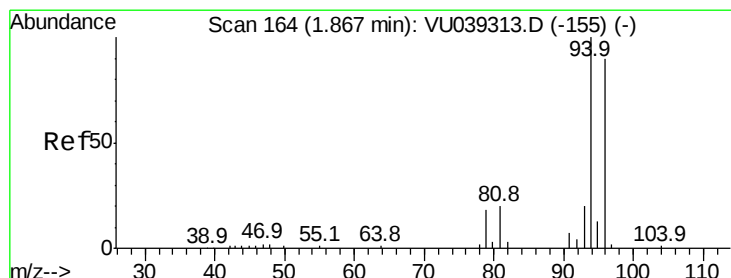
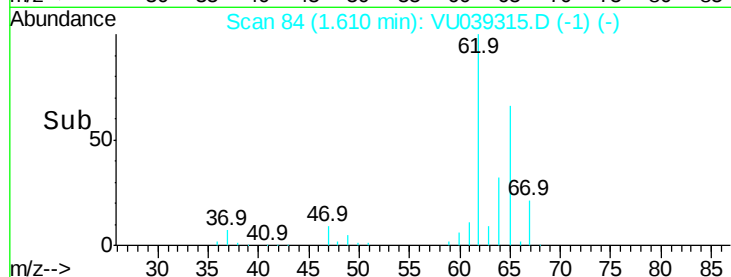
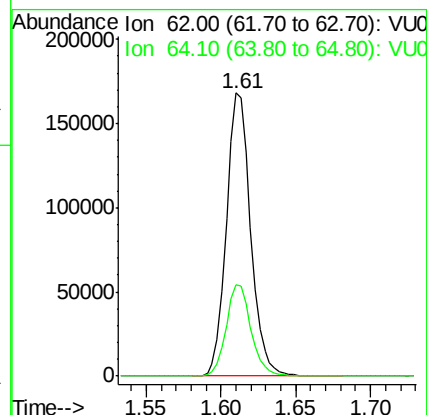
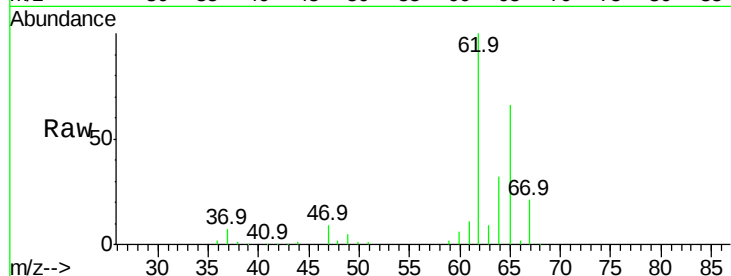
VSTD02003

Tgt Ion: 62 Resp: 190185

Ion Ratio Lower Upper

62 100

64 32.4 23.7 44.1



#6

Bromomethane

Concen: 16.379 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039315.D

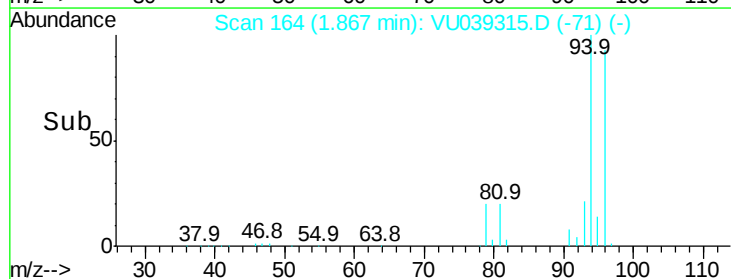
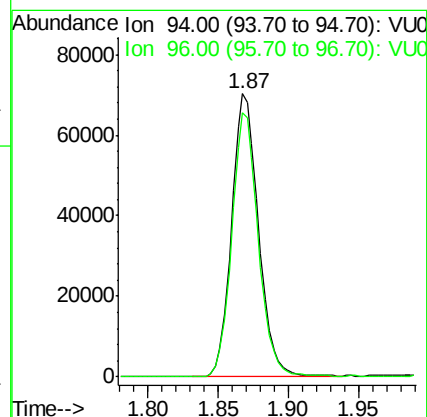
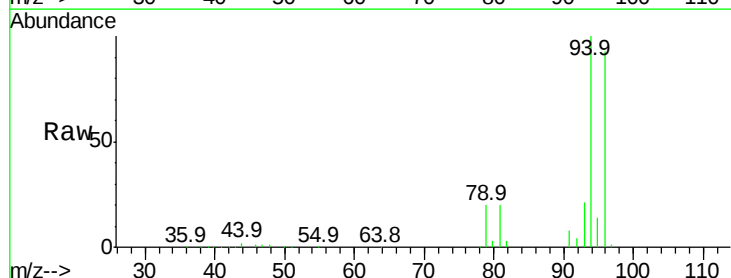
Acq: 07 Jul 2020 14:35

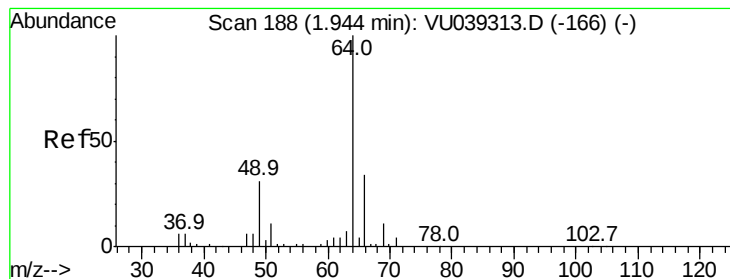
Tgt Ion: 94 Resp: 93755

Ion Ratio Lower Upper

94 100

96 93.5 62.7 116.5





#8

Chloroethane

Concen: 23.247 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

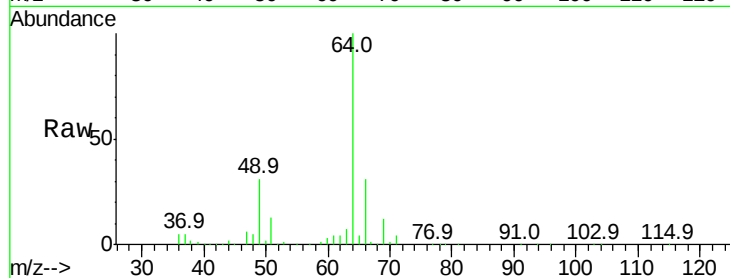
VSTD02003

Tgt Ion: 64 Resp: 148552

Ion Ratio Lower Upper

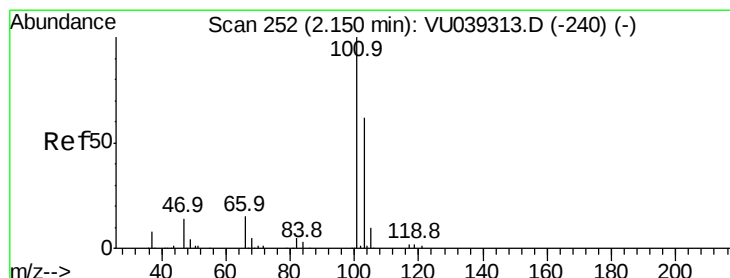
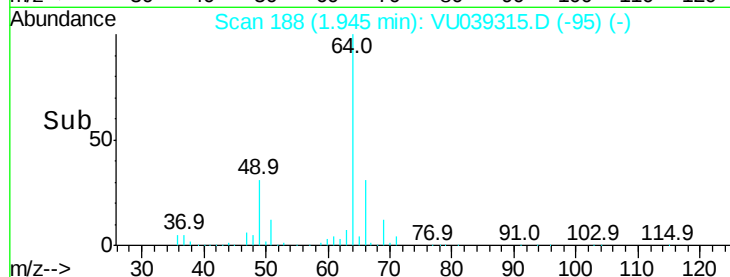
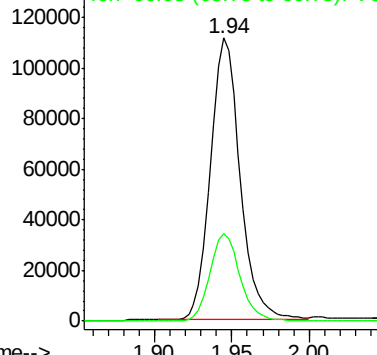
64 100

66 30.9 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 27.419 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039315.D

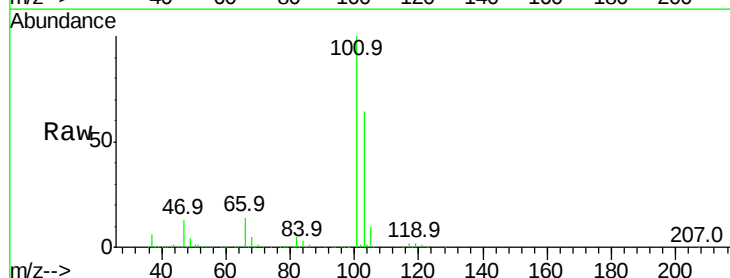
Acq: 07 Jul 2020 14:35

Tgt Ion: 101 Resp: 447736

Ion Ratio Lower Upper

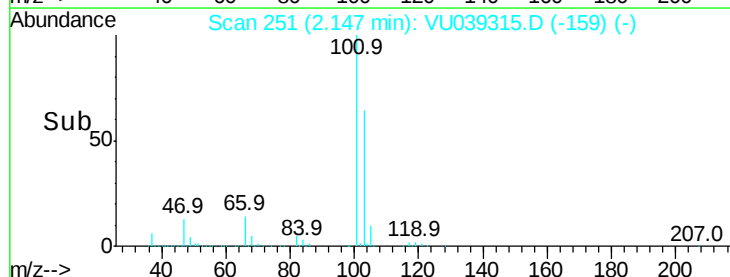
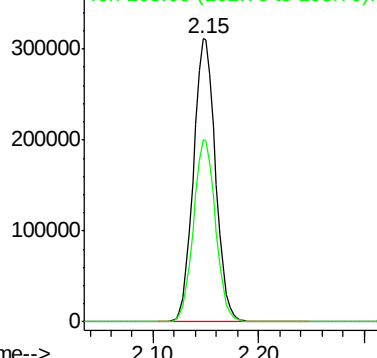
101 100

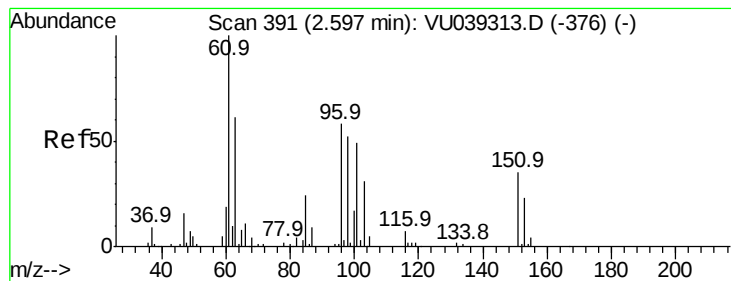
103 64.2 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 20.366 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

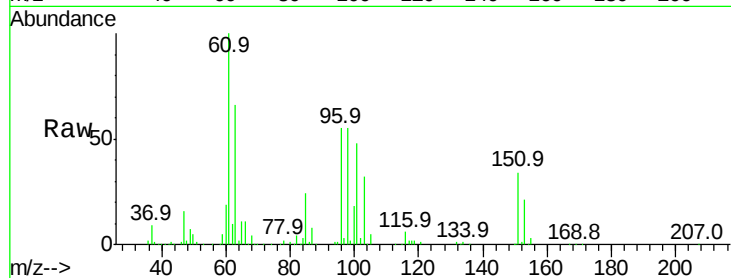
Tgt Ion:101 Resp: 145021

Ion Ratio Lower Upper

101 100

85 48.9 38.9 58.3

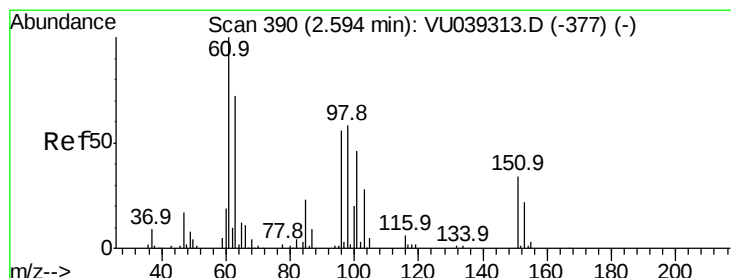
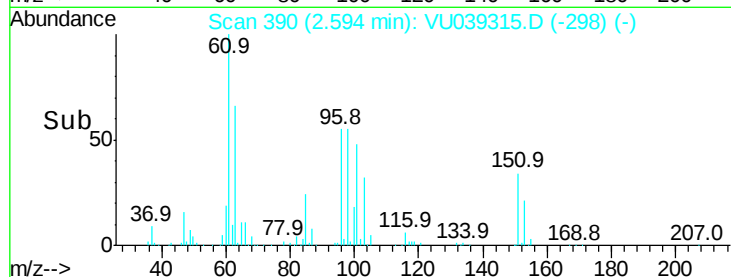
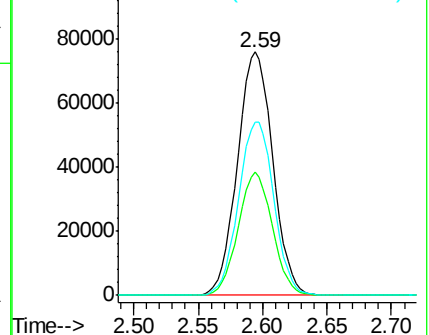
151 71.1 57.0 85.4



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: 20.300 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

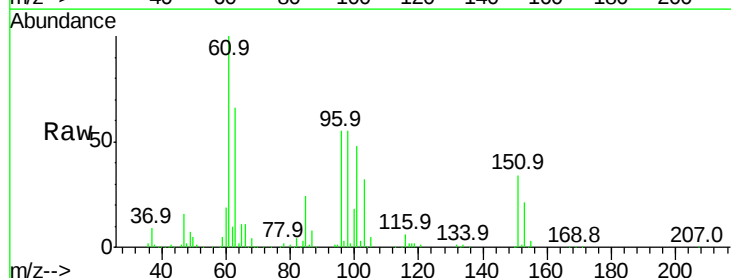
Tgt Ion: 96 Resp: 144099

Ion Ratio Lower Upper

96 100

61 181.3 125.4 232.8

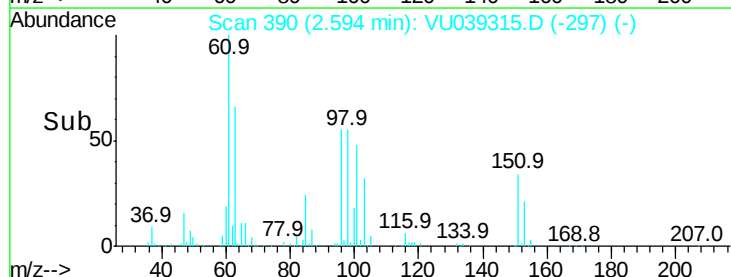
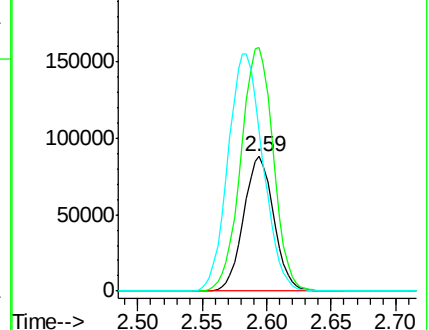
63 119.0 92.7 172.3

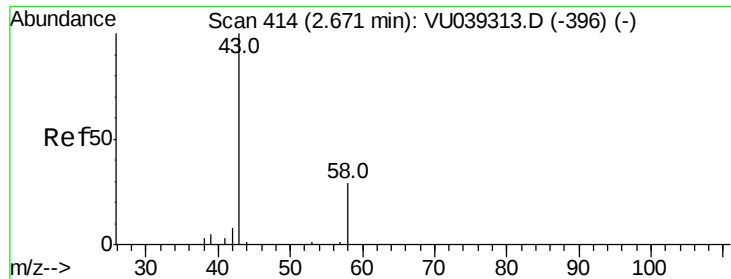


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 193.146 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

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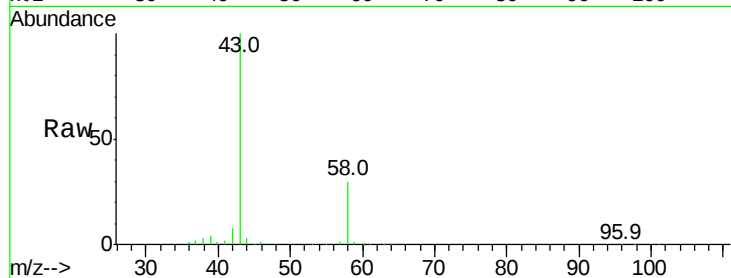
VSTD02003

Tgt Ion: 43 Resp: 331950

Ion Ratio Lower Upper

43 100

58 31.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039315.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039315.D (-396) (-)

2.66

100000

80000

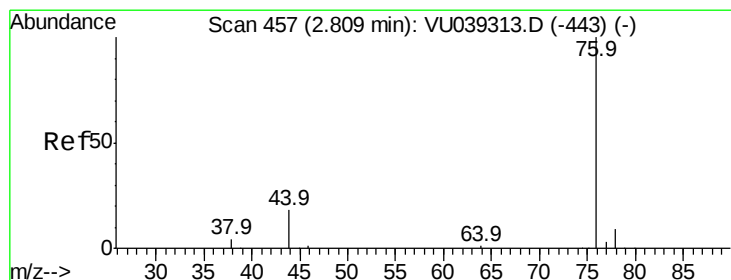
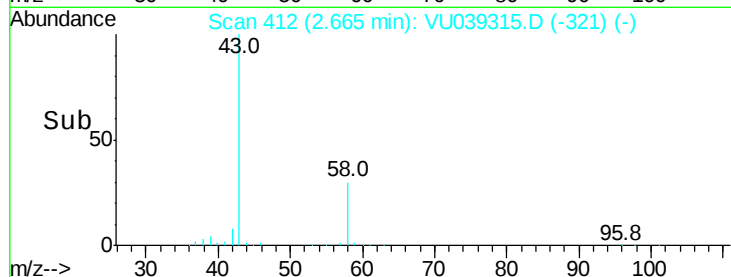
60000

40000

20000

0

Time--> 2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 22.042 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039315.D

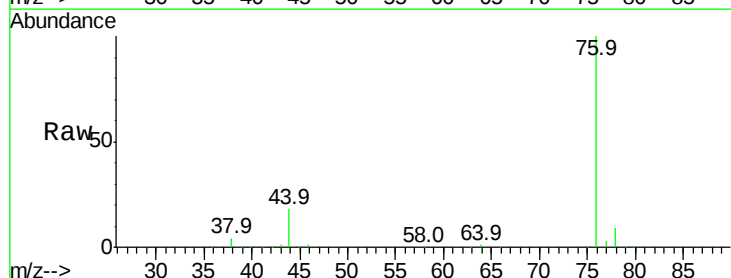
Acq: 07 Jul 2020 14:35

Tgt Ion: 76 Resp: 498879

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039315.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU039315.D (-364) (-)

2.81

300000

250000

200000

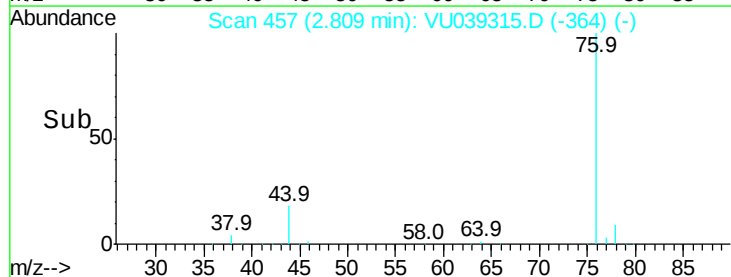
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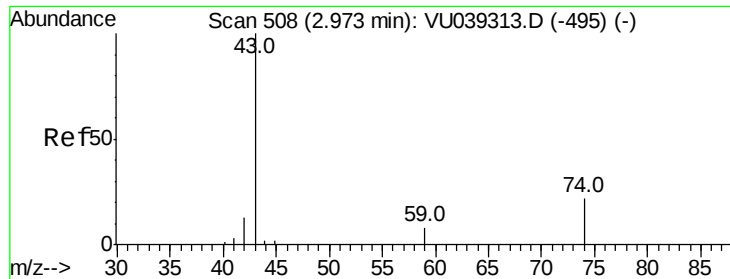
100000

50000

0

Time--> 2.70 2.80 2.90





#15

Methyl Acetate

Concen: 20.012 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

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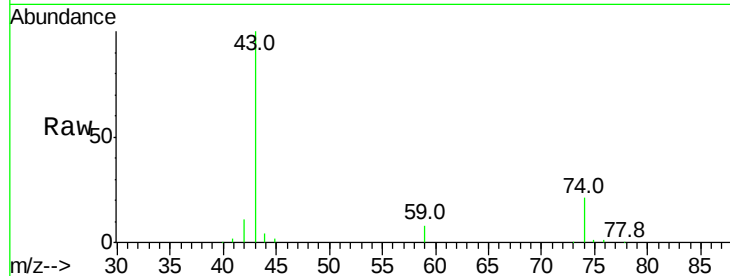
VSTD02003

Tgt Ion: 43 Resp: 86048

Ion Ratio Lower Upper

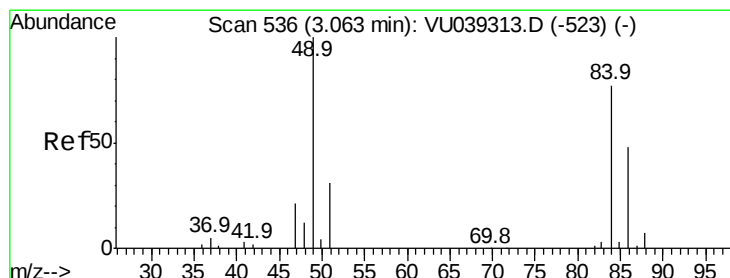
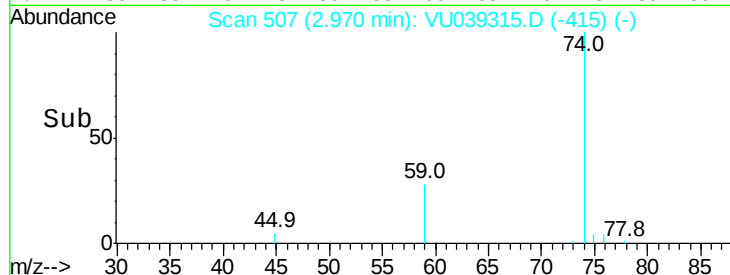
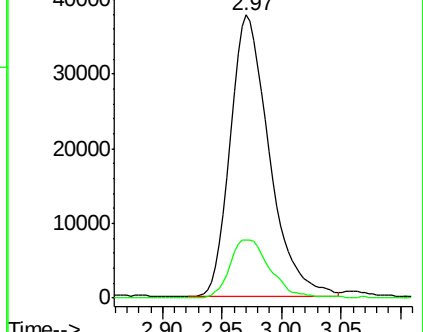
43 100

74 21.3 18.7 28.1



Abundance Ion 43.05 (42.75 to 43.75): VU039315.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VU039315.D (-415) (-)



#16

Methylene chloride

Concen: 18.048 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

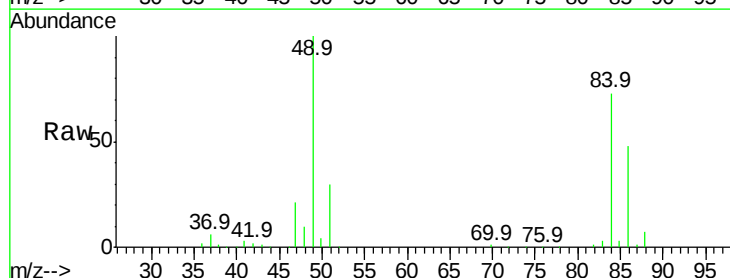
Tgt Ion: 84 Resp: 163162

Ion Ratio Lower Upper

84 100

86 65.0 43.5 80.9

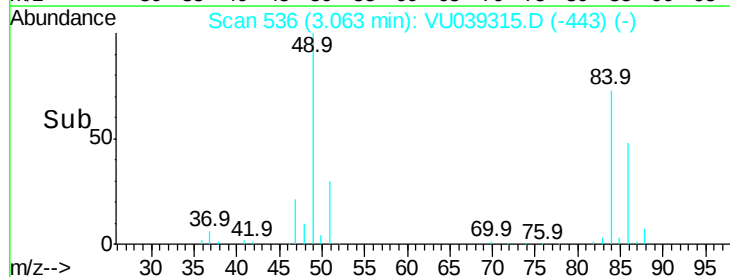
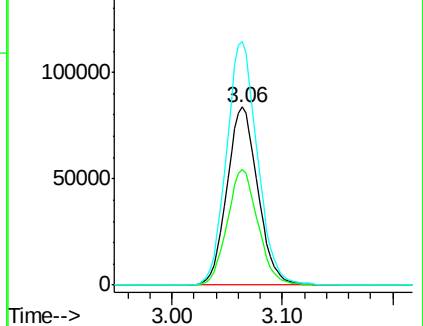
49 136.9 91.1 169.1

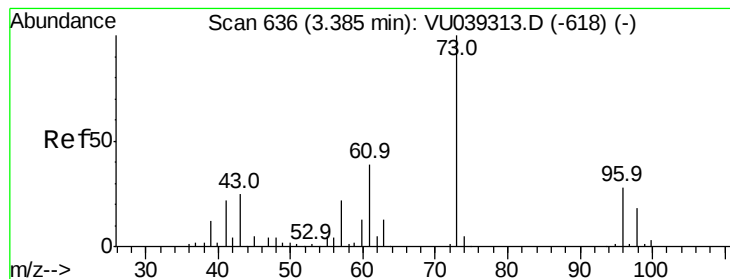


Abundance Ion 84.05 (83.75 to 84.75): VU039315.D (-443) (-)

Ion 86.00 (85.70 to 86.70): VU039315.D (-443) (-)

Ion 49.10 (48.80 to 49.80): VU039315.D (-443) (-)





#17

Methyl tert-butyl Ether

Concen: 19.518 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

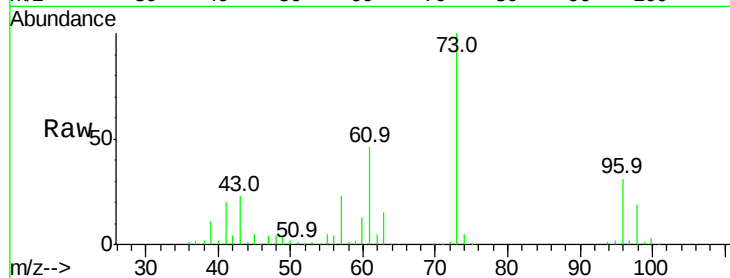
Tgt Ion: 73 Resp: 455762

Ion Ratio Lower Upper

73 100

43 22.1 18.6 28.0

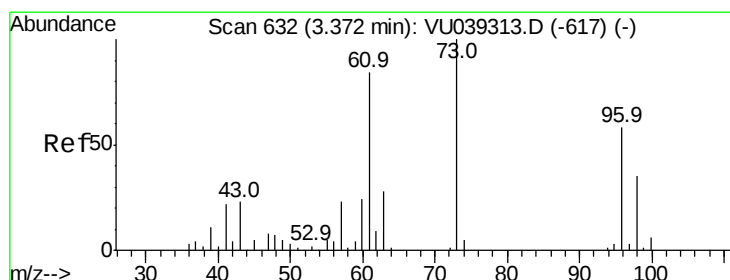
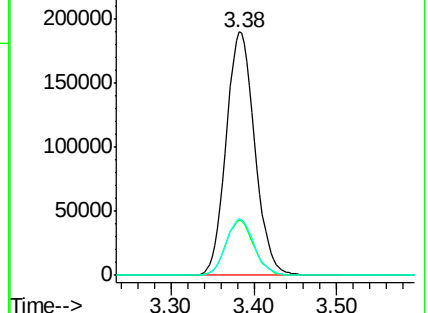
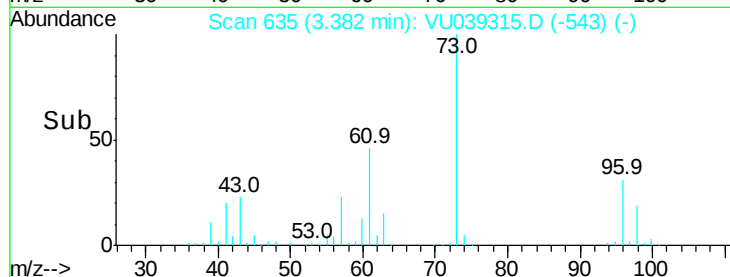
57 22.8 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039315.D (-543) (-)

Ion 43.05 (42.75 to 43.75): VU039315.D (-543) (-)

Ion 57.10 (56.80 to 57.80): VU039315.D (-543) (-)



#18

trans-1,2-Dichloroethene

Concen: 20.390 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

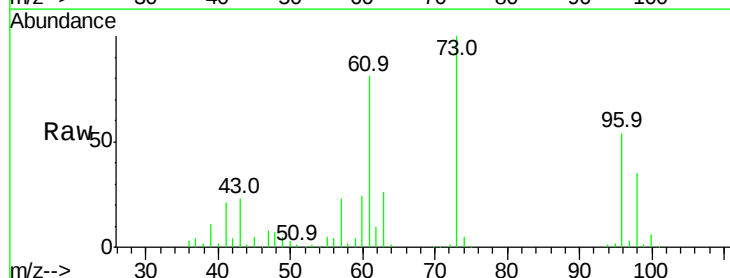
Tgt Ion: 96 Resp: 157361

Ion Ratio Lower Upper

96 100

61 150.3 102.1 189.5

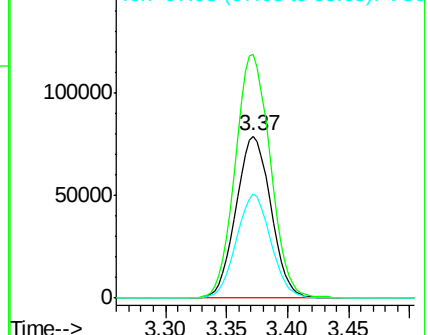
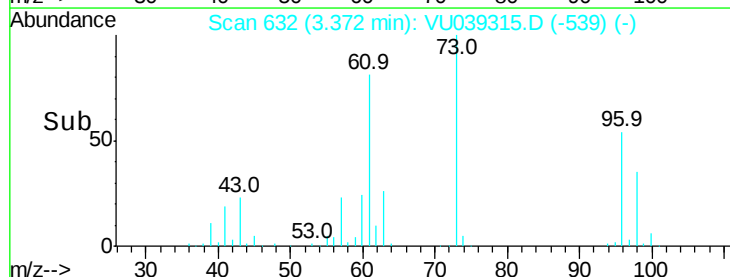
98 64.6 42.5 78.9

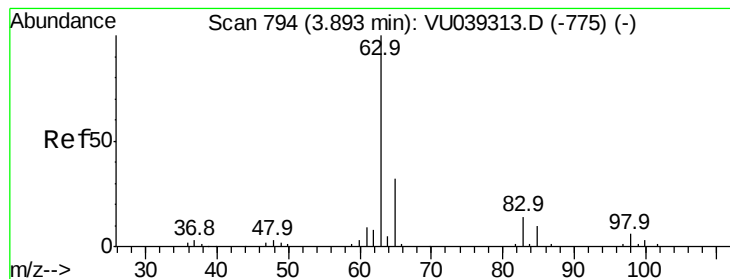


Abundance Ion 96.00 (95.70 to 96.70): VU039315.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039315.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039315.D (-539) (-)





#19

1,1-Dichloroethane

Concen: 19.978 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

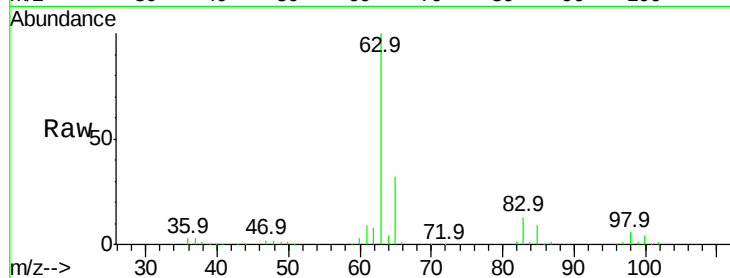
Tgt Ion: 63 Resp: 308909

Ion Ratio Lower Upper

63 100

65 32.0 23.0 42.6

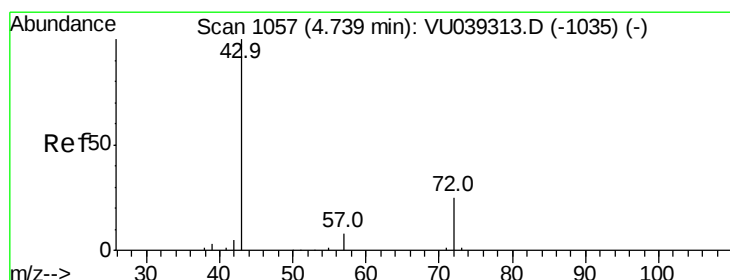
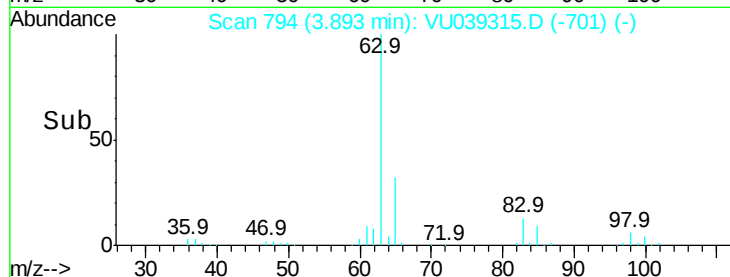
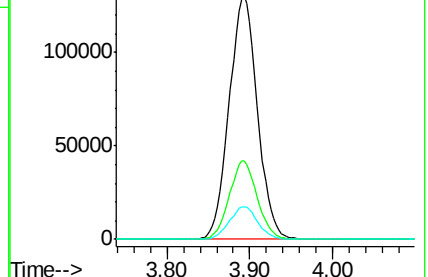
83 13.5 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039315.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU039315.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU039315.D (-775) (-)



#21

2-Butanone

Concen: 196.139 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU039315.D

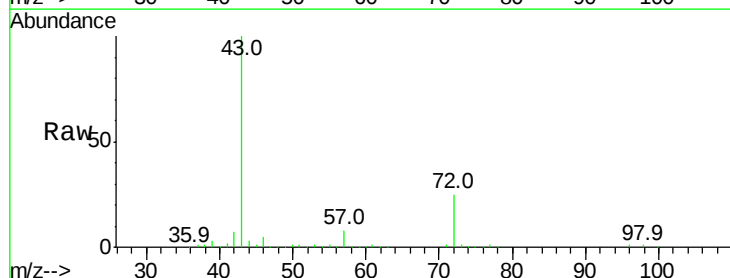
Acq: 07 Jul 2020 14:35

Tgt Ion: 43 Resp: 613540

Ion Ratio Lower Upper

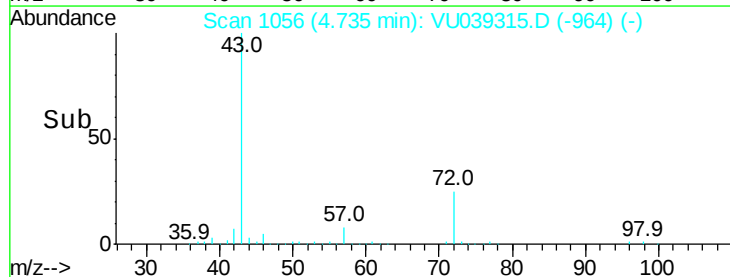
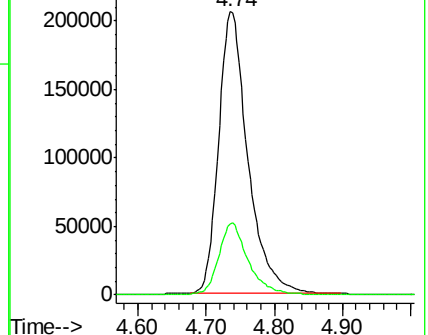
43 100

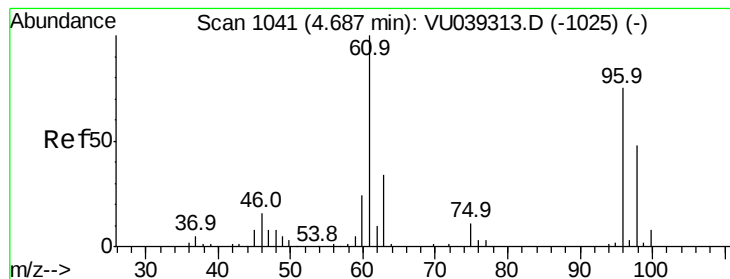
72 25.9 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039315.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU039315.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 19.997 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

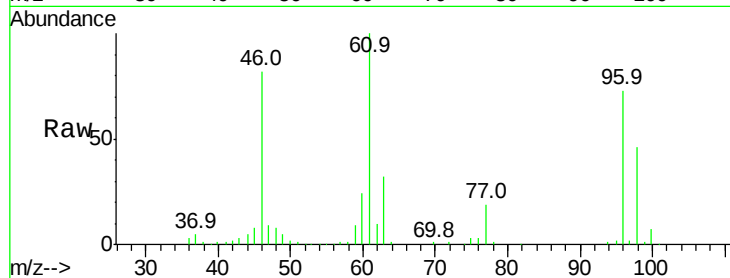
Tgt Ion: 96 Resp: 175858

Ion Ratio Lower Upper

96 100

61 136.5 92.8 172.4

68 0.0 0.0 0.0

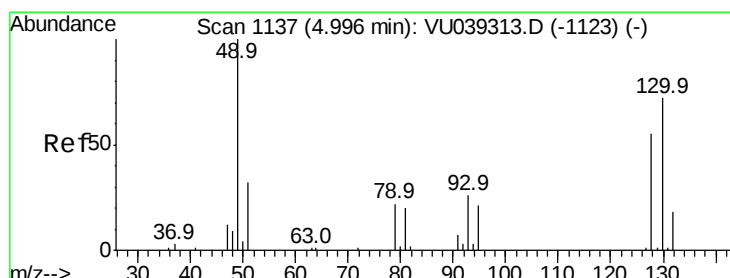
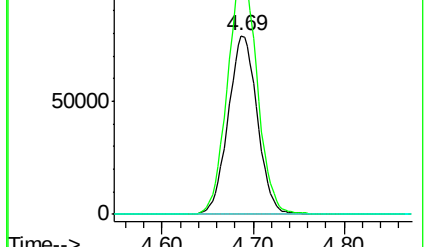
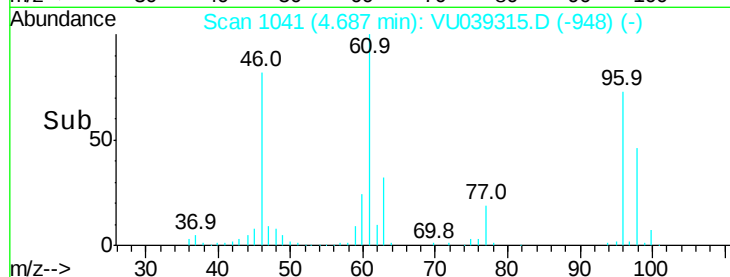


Abundance Ion 96.00 (95.70 to 96.70): VU039315.D (-1041) (-)

Ion 61.05 (60.75 to 61.75): VU039315.D (-1041) (-)

Ion 68.15 (67.85 to 68.85): VU039315.D (-1041) (-)

Time-->



#23

Bromochloromethane

Concen: 19.998 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Tgt Ion:128 Resp: 79240

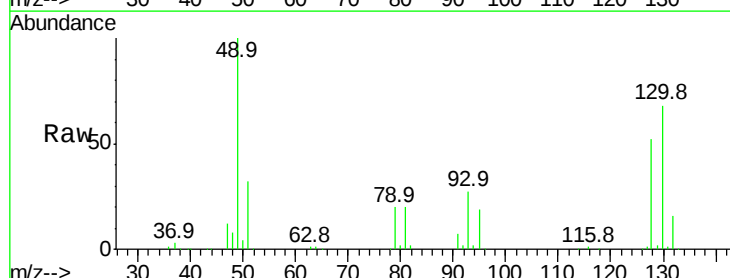
Ion Ratio Lower Upper

128 100

49 190.6 128.5 238.7

130 128.8 91.5 169.9

51 61.5 47.0 70.6



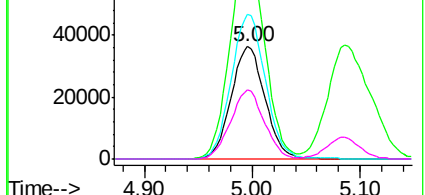
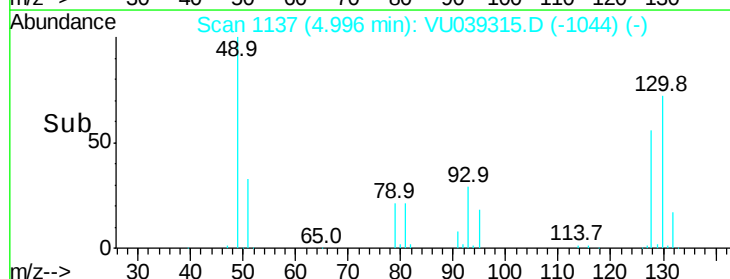
Abundance Ion 127.90 (127.60 to 128.60): VU039315.D (-1137) (-)

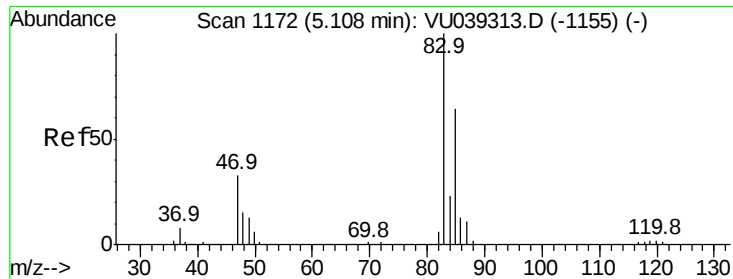
Ion 49.10 (48.80 to 49.80): VU039315.D (-1137) (-)

Ion 129.95 (129.65 to 130.65): VU039315.D (-1137) (-)

Ion 51.05 (50.75 to 51.75): VU039315.D (-1137) (-)

Time-->

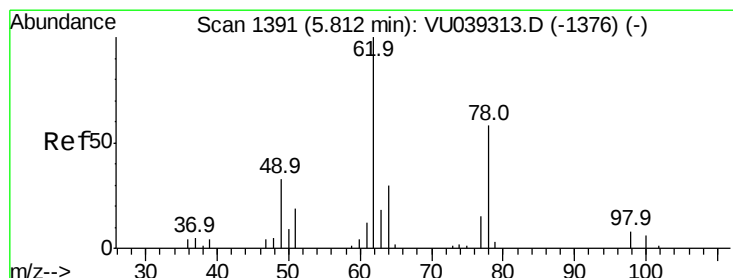
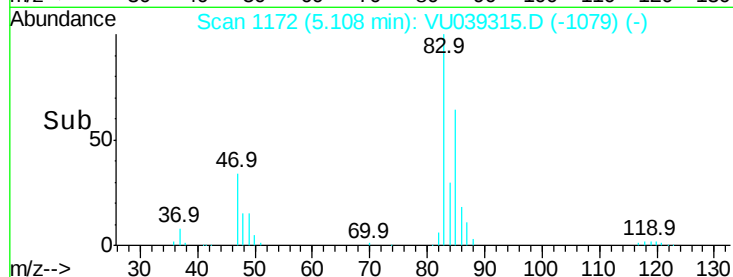
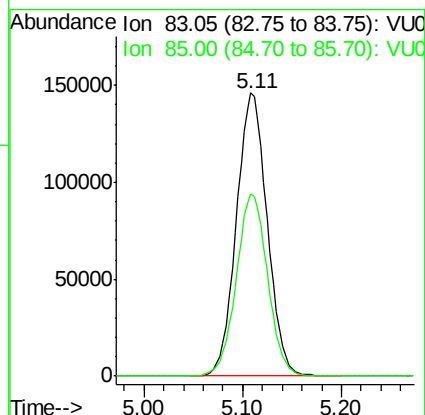
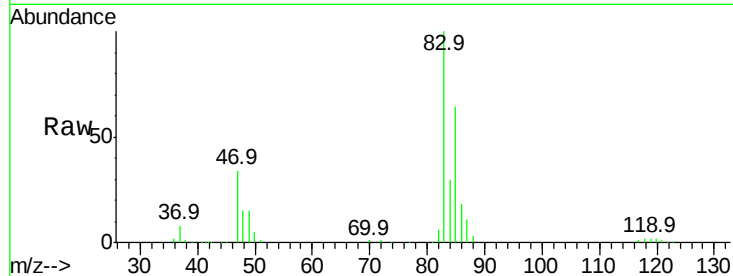




#25
Chloroform
Concen: 19.627 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039315.D
Acq: 07 Jul 2020 14:35

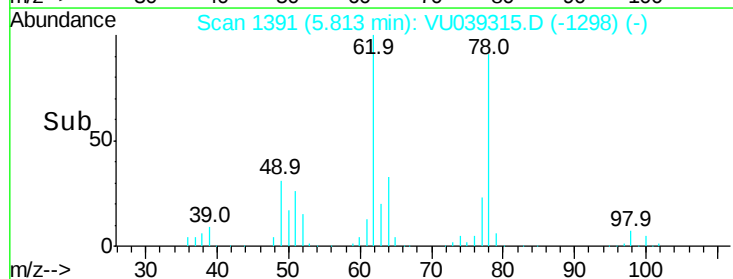
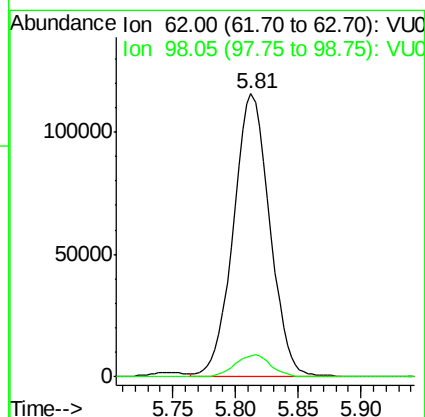
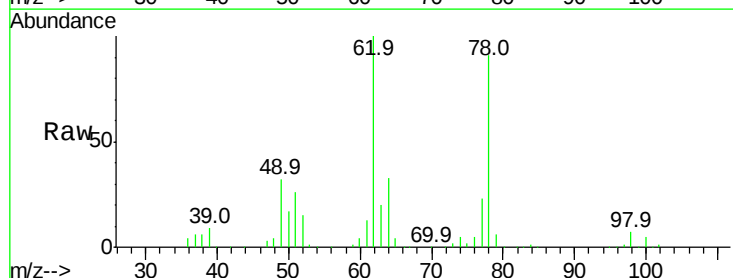
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

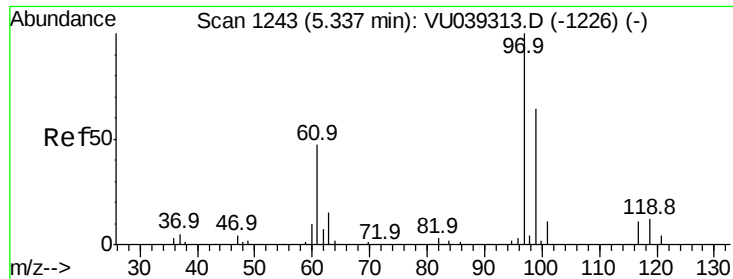
Tgt Ion: 83 Resp: 316112
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 19.991 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039315.D
Acq: 07 Jul 2020 14:35

Tgt Ion: 62 Resp: 231999
Ion Ratio Lower Upper
62 100
98 7.4 6.3 9.5

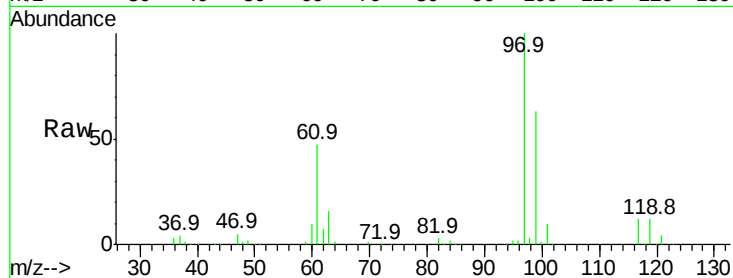




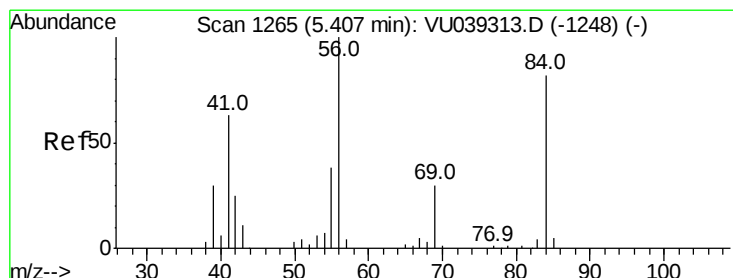
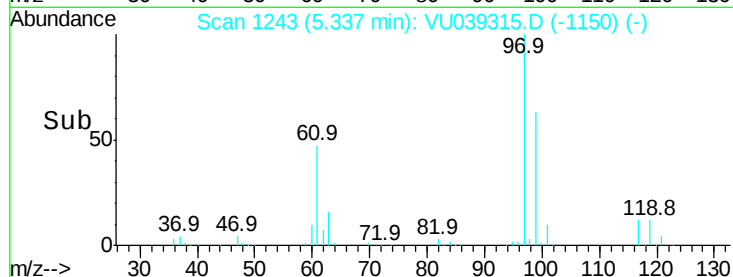
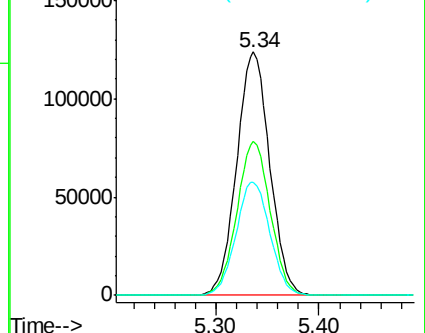
#29
 1,1,1-Trichloroethane
 Concen: 20.077 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion: 97 Resp: 276218
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.6 79.0
 61 47.8 37.9 56.9

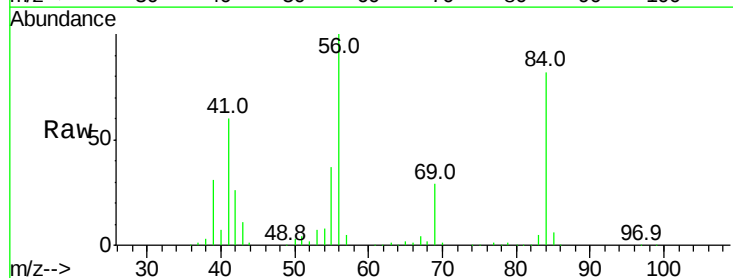


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

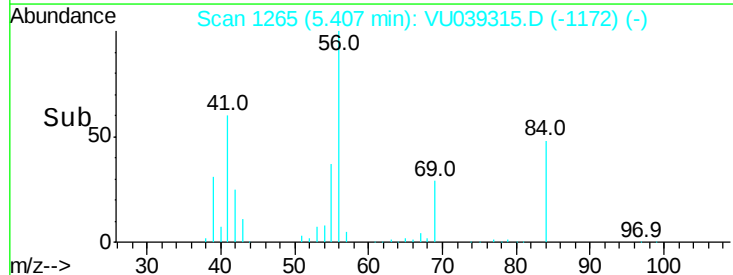
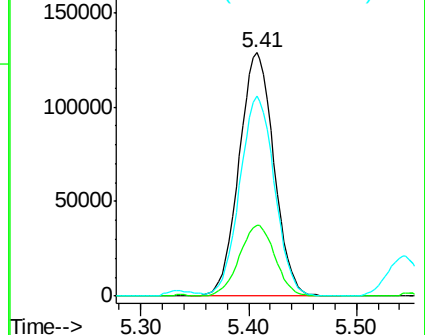


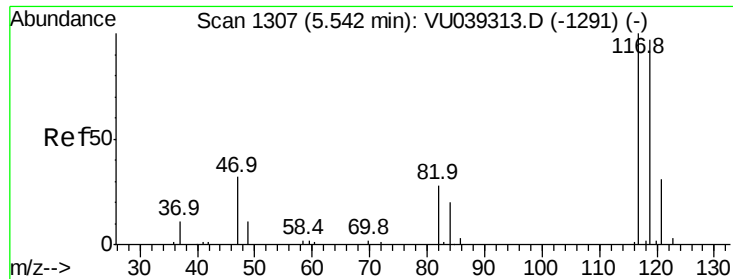
#30
 Cyclohexane
 Concen: 21.018 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Tgt Ion: 56 Resp: 289641
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.1 36.1
 84 82.2 67.0 100.6



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: 20.154 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

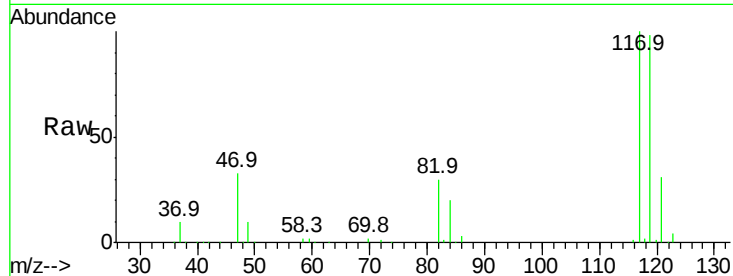
VSTD02003

Tgt Ion:117 Resp: 233144

Ion Ratio Lower Upper

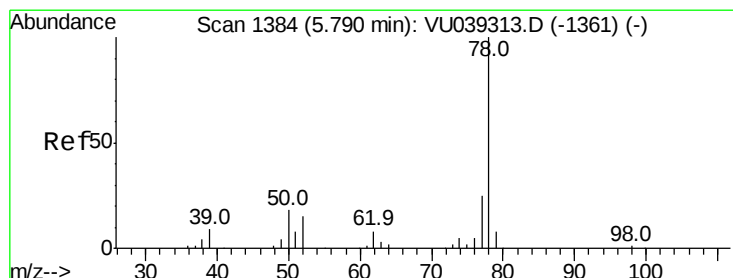
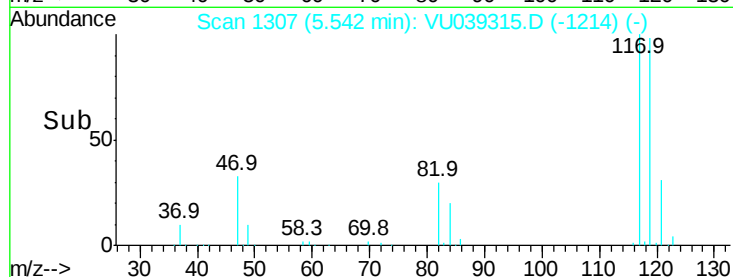
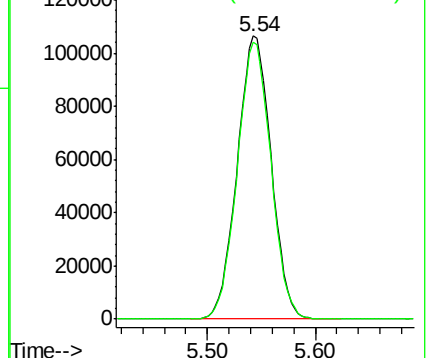
117 100

119 96.9 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.097 ug/L

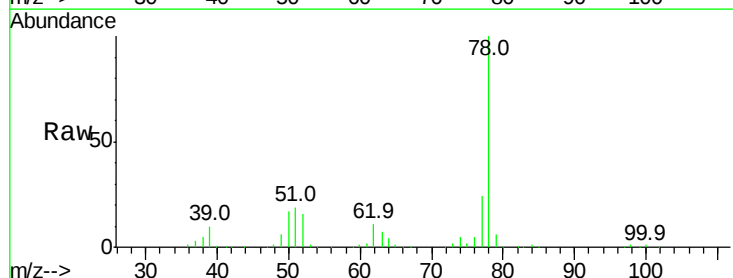
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

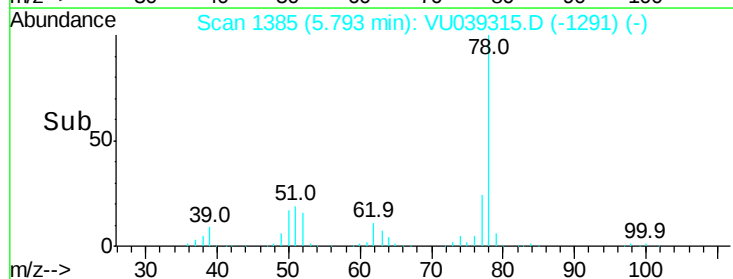
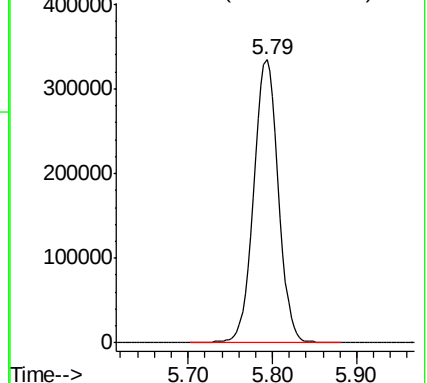
Lab File: VU039315.D

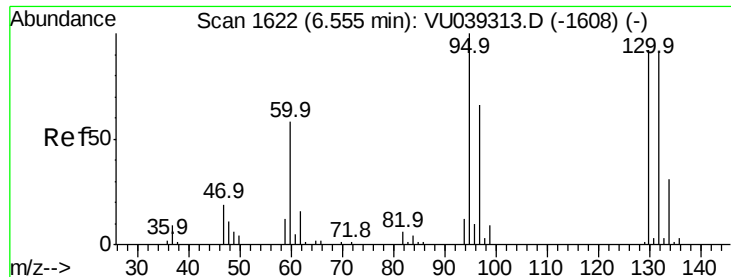
Acq: 07 Jul 2020 14:35

Tgt Ion: 78 Resp: 678492



Abundance Ion 78.10 (77.80 to 78.80): VU0

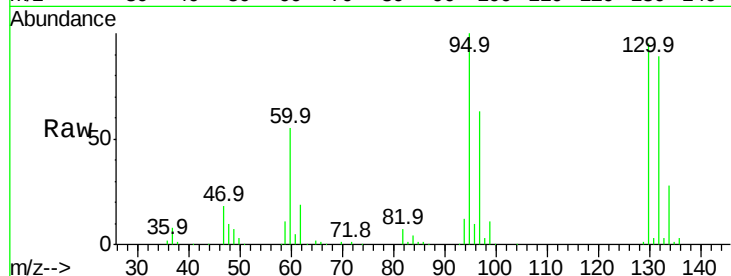




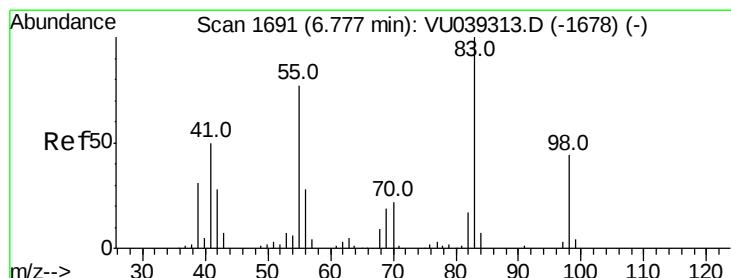
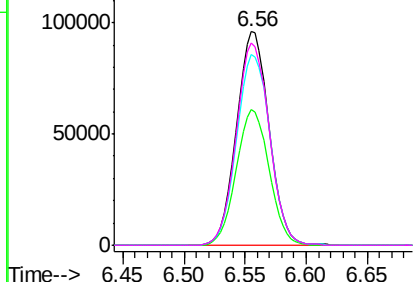
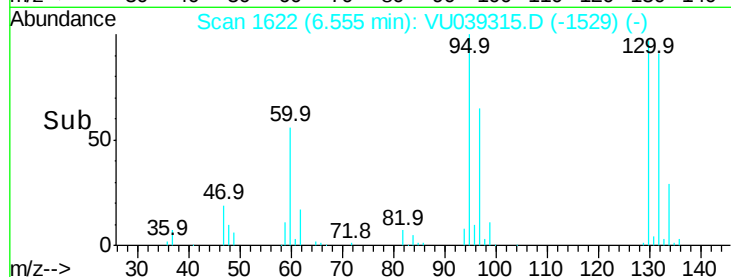
#34
 Trichloroethene
 Concen: 20.313 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD02003

Tgt Ion: 95 Resp: 176816
 Ion Ratio Lower Upper
 95 100
 97 63.4 46.3 85.9
 132 89.2 64.0 118.8
 130 95.0 64.3 119.5

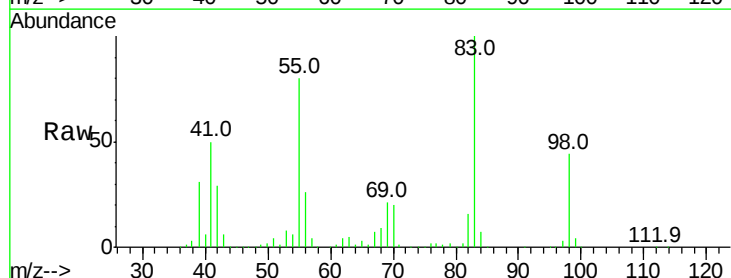


Abundance Ion 95.00 (94.70 to 95.70): VU0
 150000 Ion 96.95 (96.65 to 97.65): VU0
 100000 Ion 131.95 (131.65 to 132.65): V
 50000 Ion 129.95 (129.65 to 130.65): V

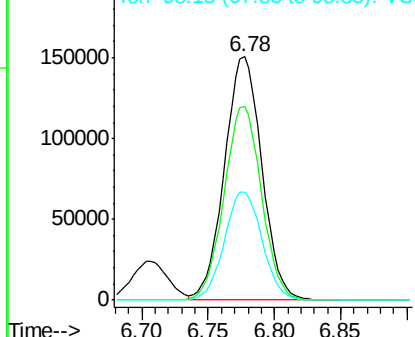
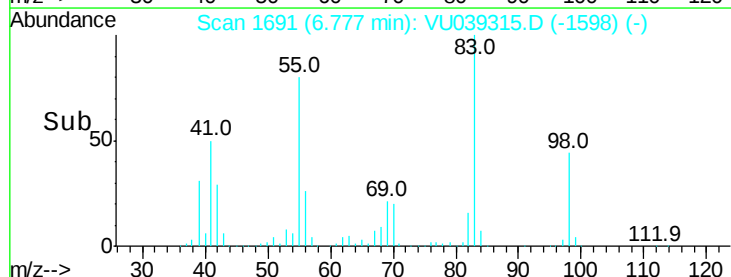


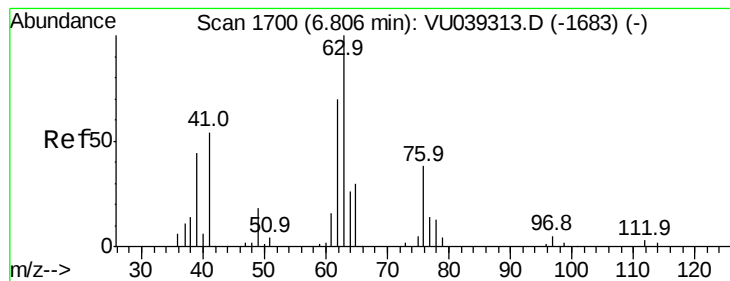
#35
 Methylcyclohexane
 Concen: 21.114 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Tgt Ion: 83 Resp: 294291
 Ion Ratio Lower Upper
 83 100
 55 79.9 62.1 93.1
 98 45.0 35.9 53.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 200000 Ion 55.10 (54.80 to 55.80): VU0
 150000 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 19.564 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

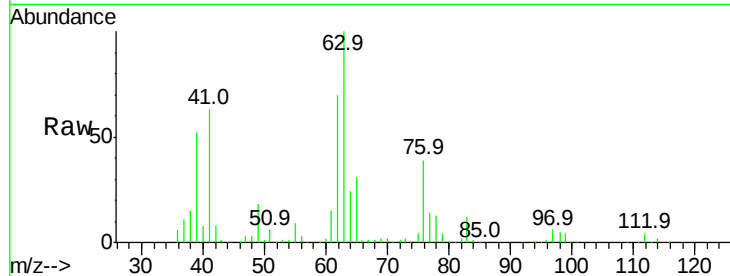
VSTD02003

Tgt Ion: 63 Resp: 184264

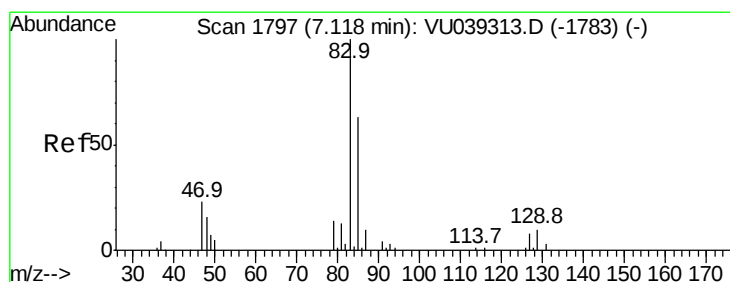
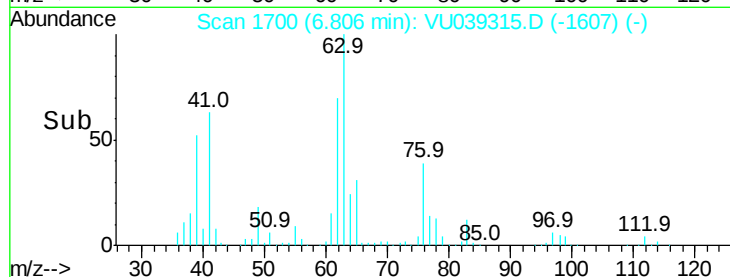
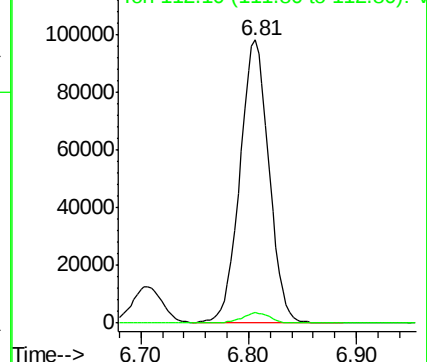
Ion Ratio Lower Upper

63 100

112 3.4 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VU039315.D (-1607) (-)



#38

Bromodichloromethane

Concen: 19.794 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

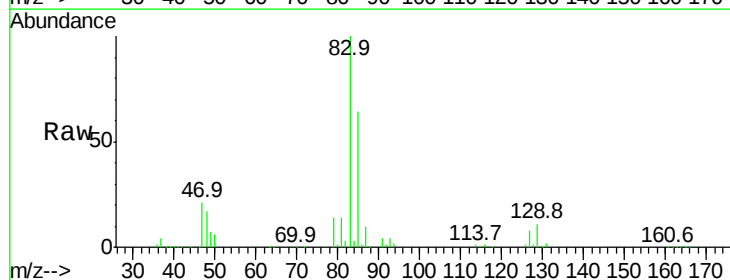
Tgt Ion: 83 Resp: 243058

Ion Ratio Lower Upper

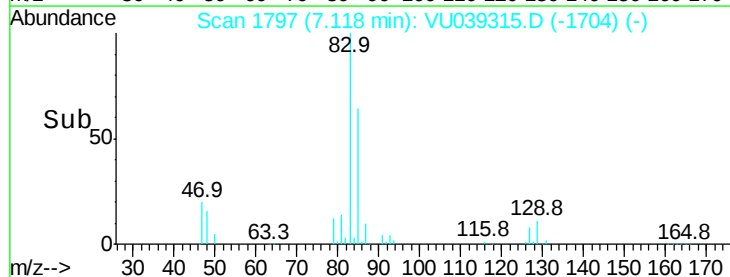
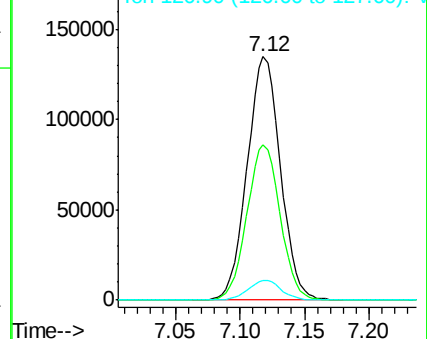
83 100

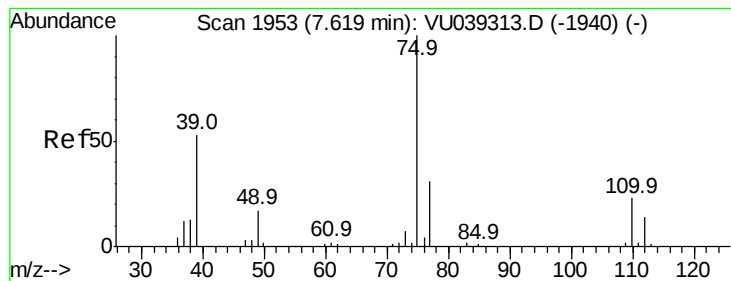
85 63.9 44.0 81.6

127 7.9 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VU039315.D (-1704) (-)



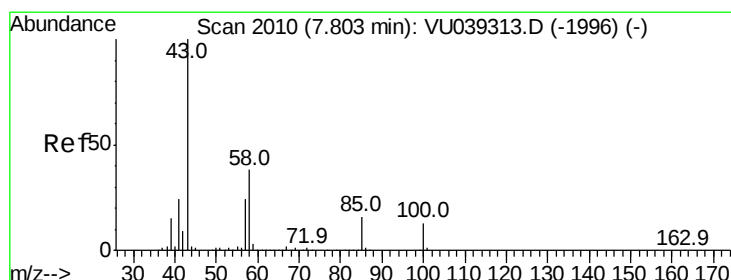
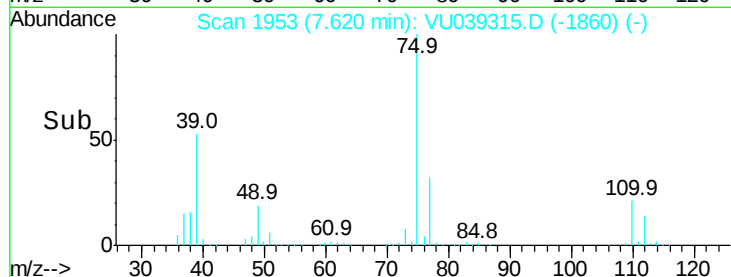
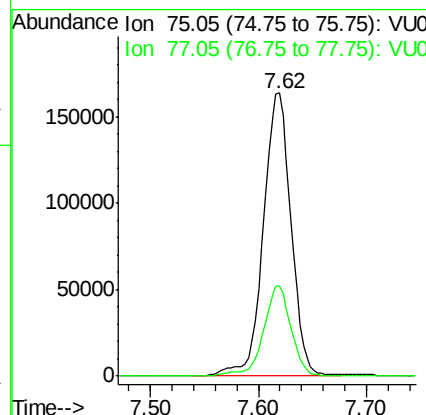
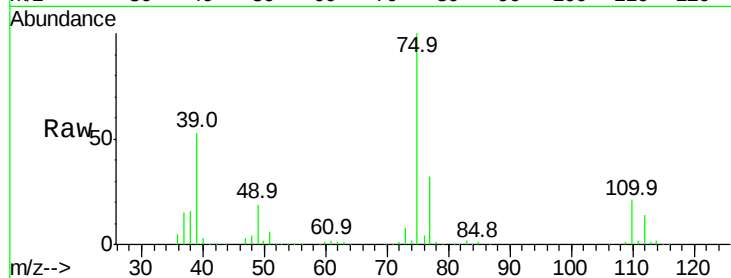


#39

cis-1,3-Dichloropropene
 Concen: 19.946 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

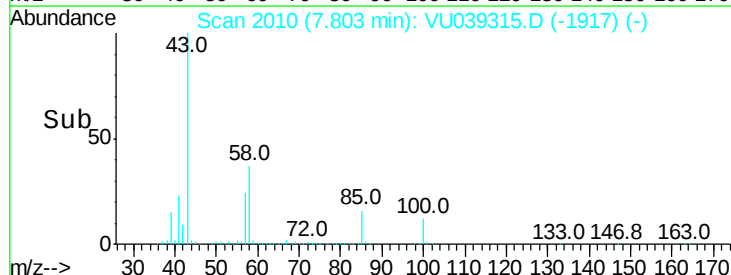
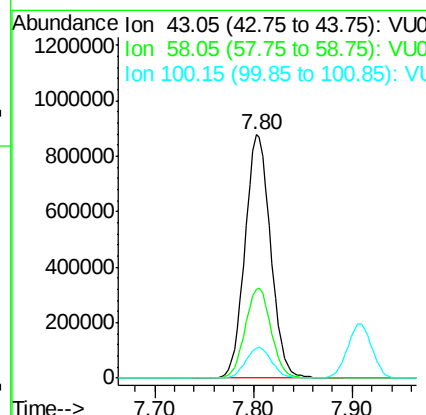
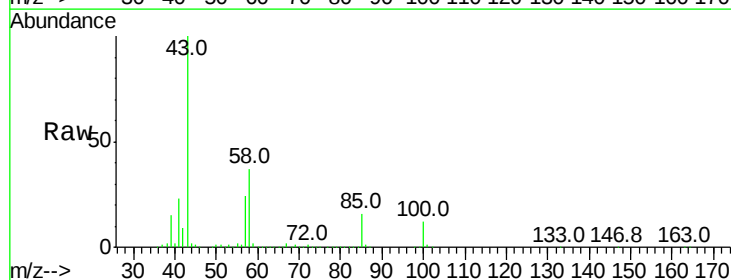
Tgt Ion: 75 Resp: 292043
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.3

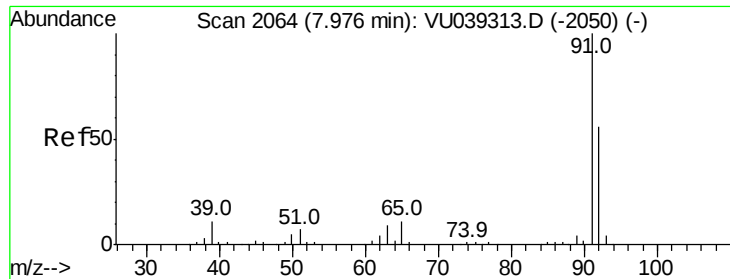


#40

4-Methyl-2-pentanone
 Concen: 197.421 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Tgt Ion: 43 Resp: 1573646
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.5 45.7
 100 12.9 10.3 15.5





#42

Toluene

Concen: 20.372 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

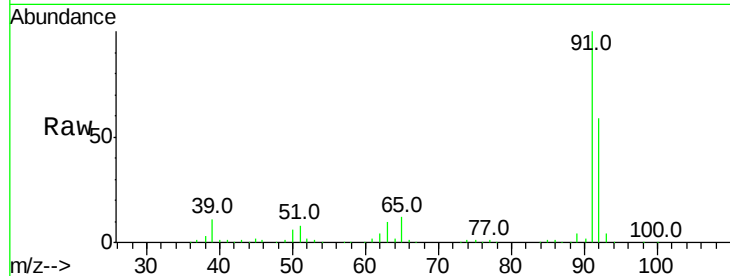
VSTD02003

Tgt Ion: 91 Resp: 748620

Ion Ratio Lower Upper

91 100

92 59.0 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039315.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039315.D (-2050) (-)

7.98

400000

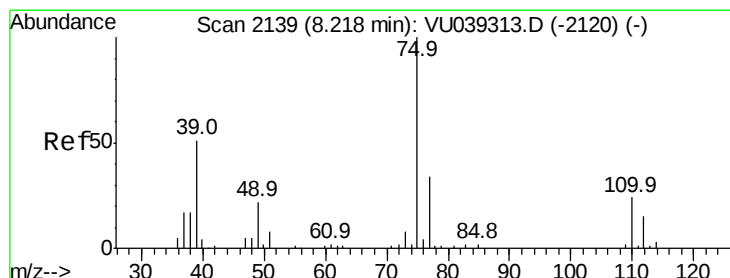
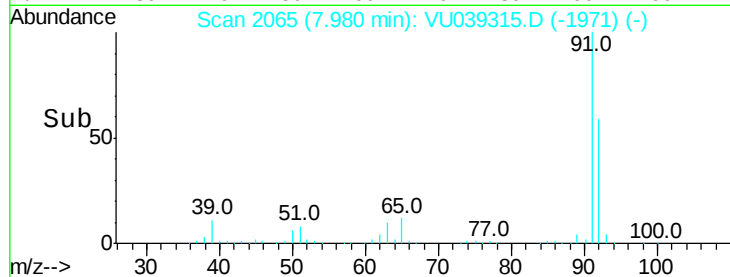
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 20.436 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039315.D

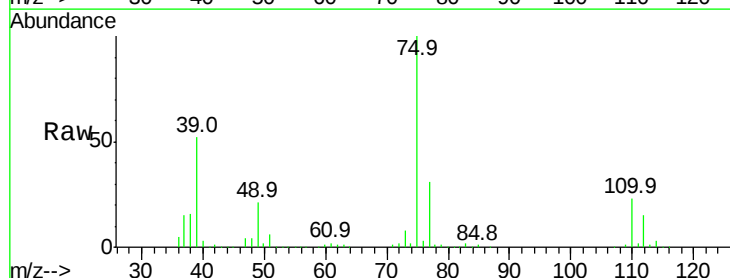
Acq: 07 Jul 2020 14:35

Tgt Ion: 75 Resp: 269468

Ion Ratio Lower Upper

75 100

77 31.0 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039315.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039315.D (-2120) (-)

8.22

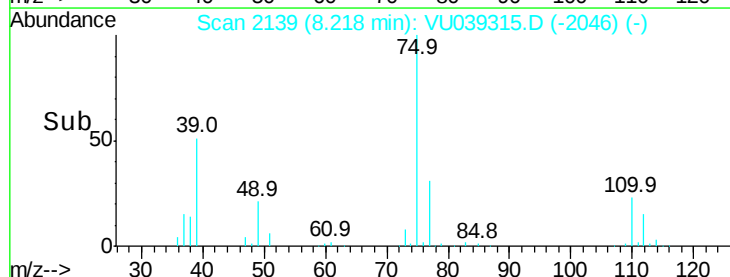
150000

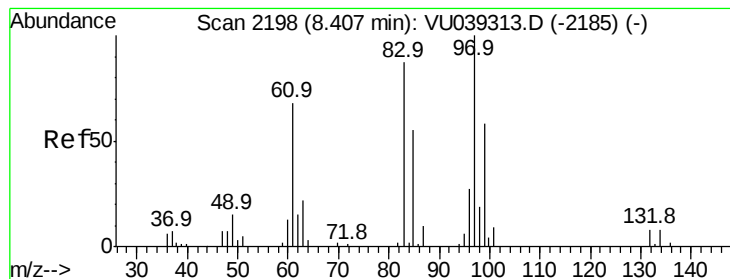
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 19.806 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

Tgt Ion: 97 Resp: 138738

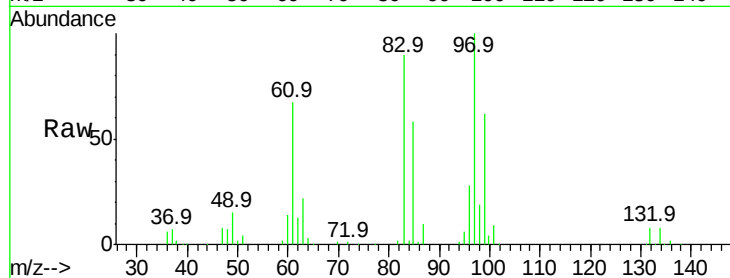
Ion Ratio Lower Upper

97 100

99 62.3 40.7 75.7

83 89.8 60.6 112.6

85 57.6 38.3 71.1

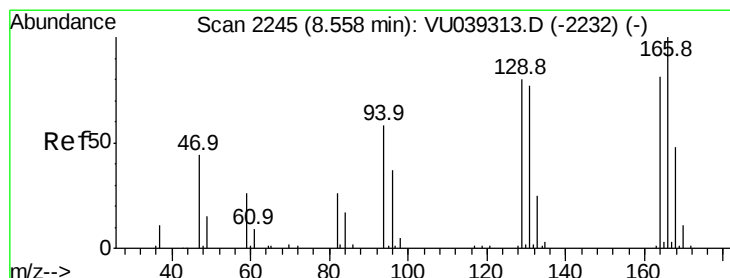
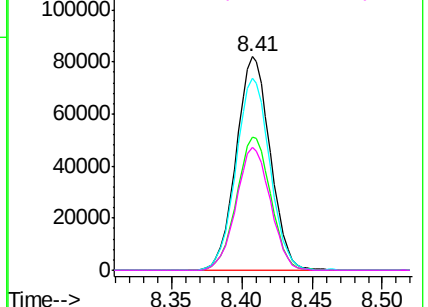
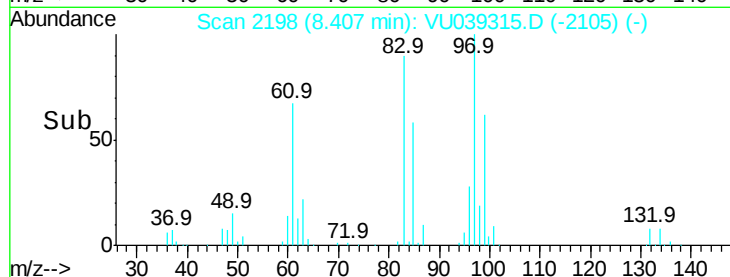


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 20.558 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Tgt Ion:164 Resp: 125765

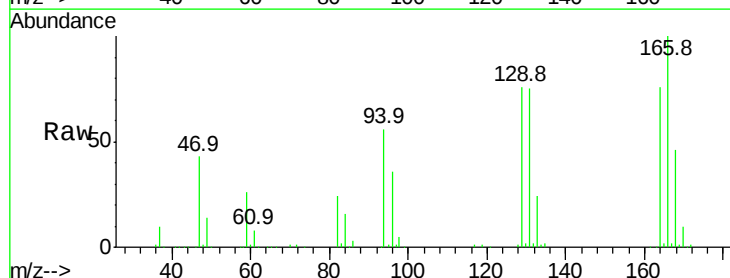
Ion Ratio Lower Upper

164 100

129 100.3 68.6 127.4

131 97.9 66.4 123.4

166 131.2 85.9 159.5

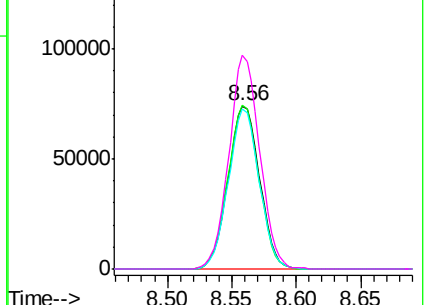
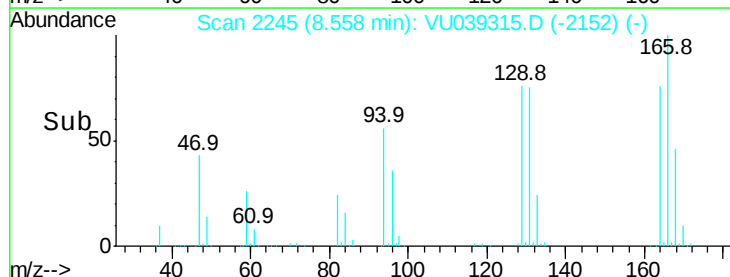


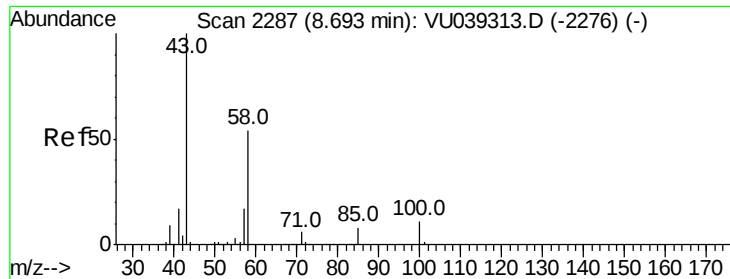
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

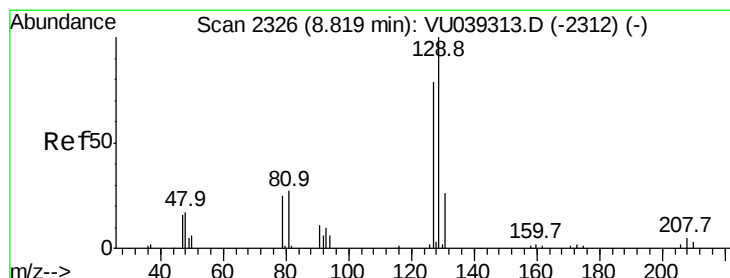
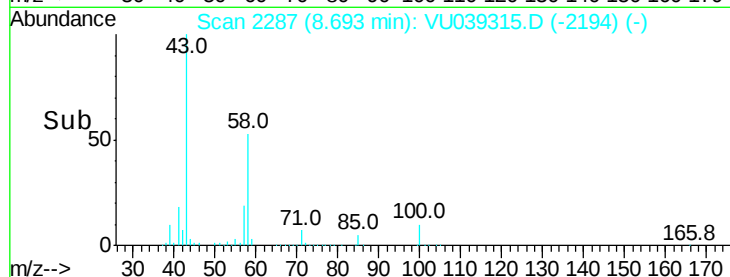
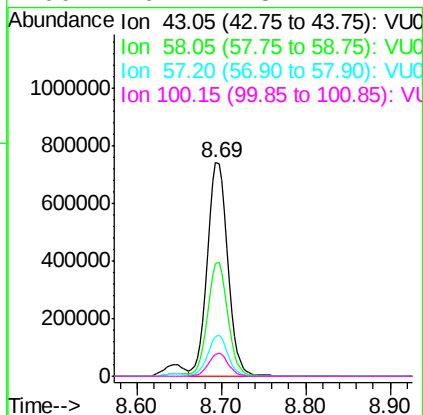
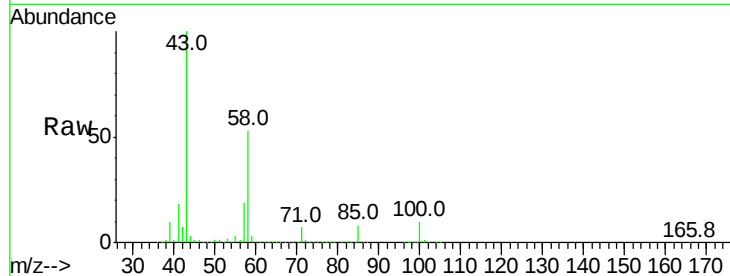




#48
2-Hexanone
Concen: 211.179 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039315.D
Acq: 07 Jul 2020 14:35

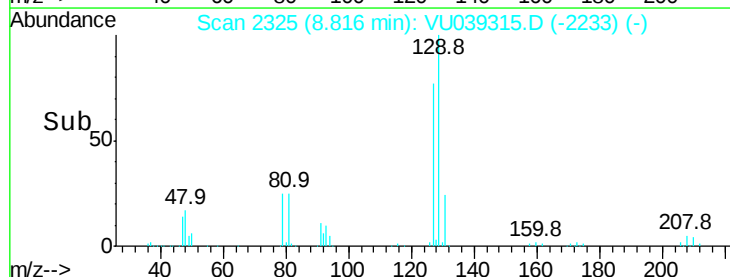
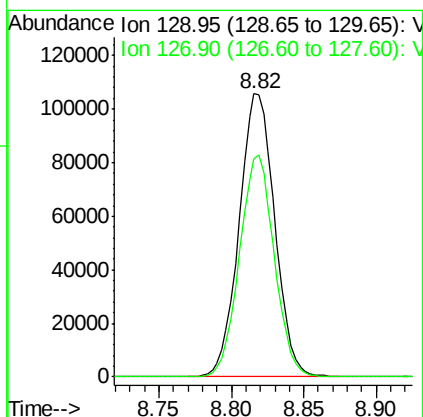
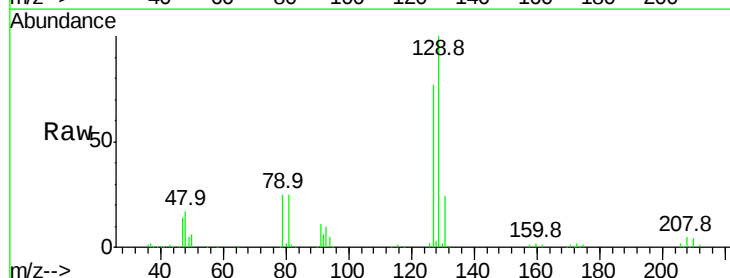
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

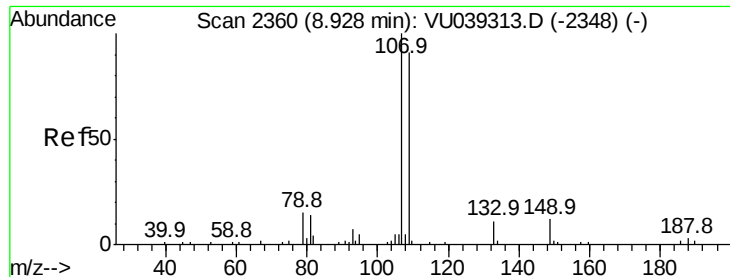
Tgt Ion: 43 Resp: 1251875
Ion Ratio Lower Upper
43 100
58 52.9 42.0 63.0
57 18.6 14.0 21.0
100 10.4 8.2 12.2



#49
Dibromochloromethane
Concen: 20.538 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039315.D
Acq: 07 Jul 2020 14:35

Tgt Ion: 129 Resp: 180644
Ion Ratio Lower Upper
129 100
127 77.3 55.4 102.8

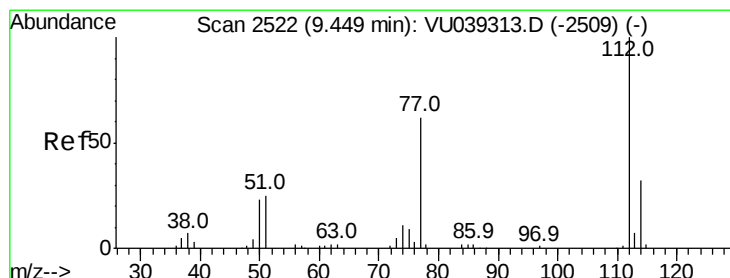
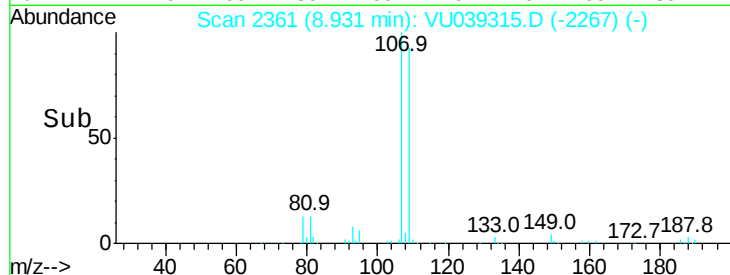
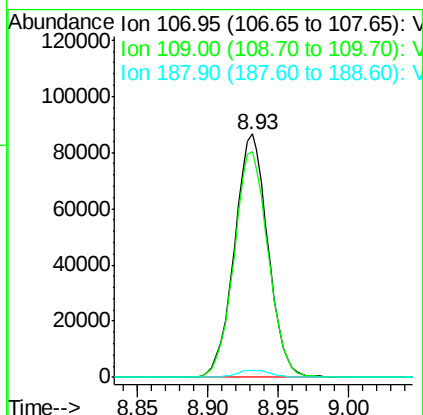
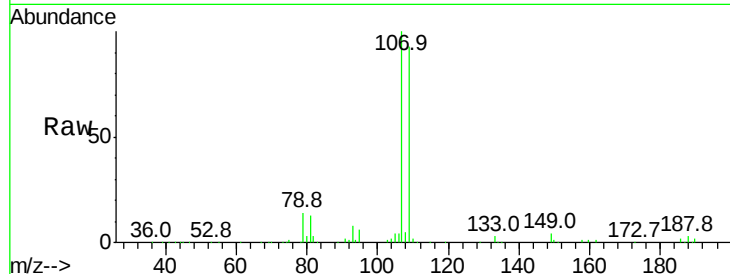




#50
1,2-Dibromoethane
Concen: 20.422 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039315.D
Acq: 07 Jul 2020 14:35

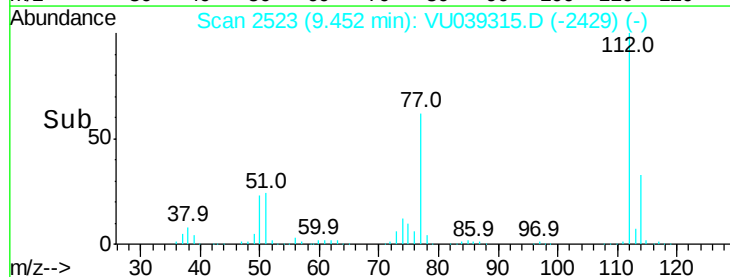
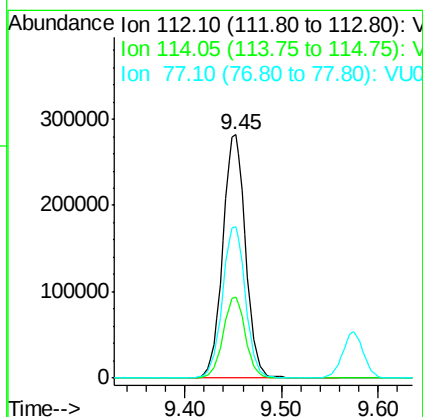
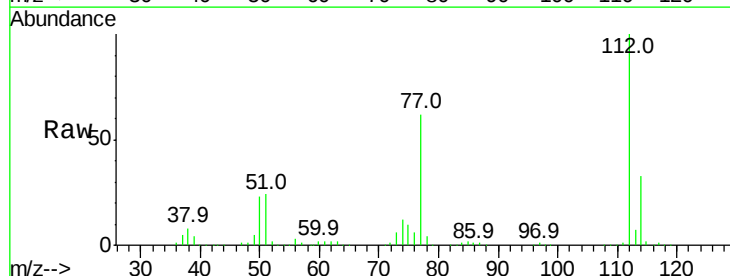
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

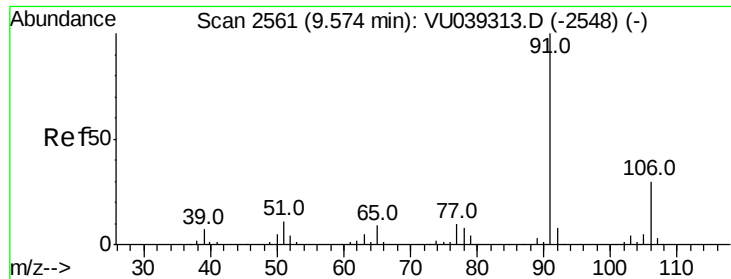
Tgt Ion:107 Resp: 143836
Ion Ratio Lower Upper
107 100
109 92.5 64.0 118.8
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 20.213 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039315.D
Acq: 07 Jul 2020 14:35

Tgt Ion:112 Resp: 459324
Ion Ratio Lower Upper
112 100
114 33.3 22.1 41.1
77 62.4 49.9 74.9





#52

Ethylbenzene

Concen: 21.801 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

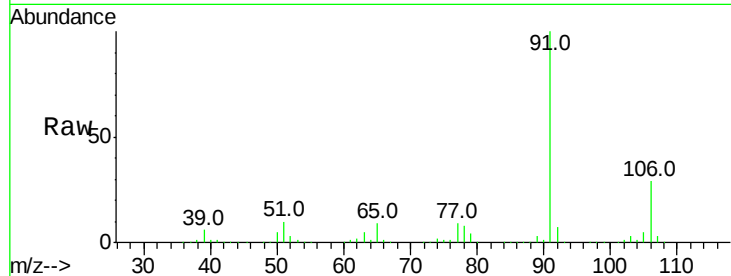
VSTD02003

Tgt Ion: 91 Resp: 891590

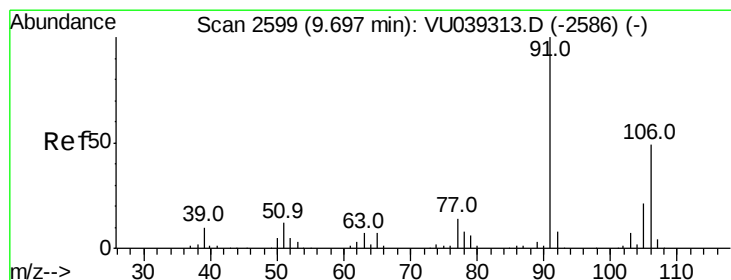
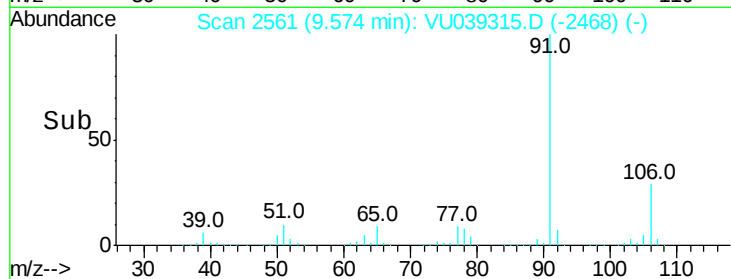
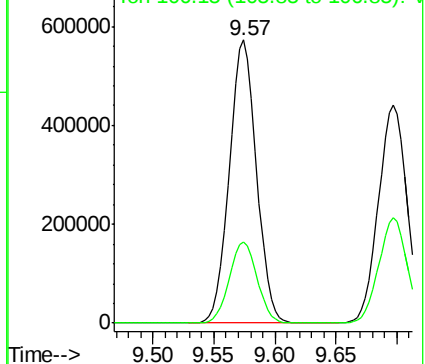
Ion Ratio Lower Upper

91 100

106 28.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039313.D (-2548) (-)



#53

m,p-Xylene

Concen: 22.225 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039315.D

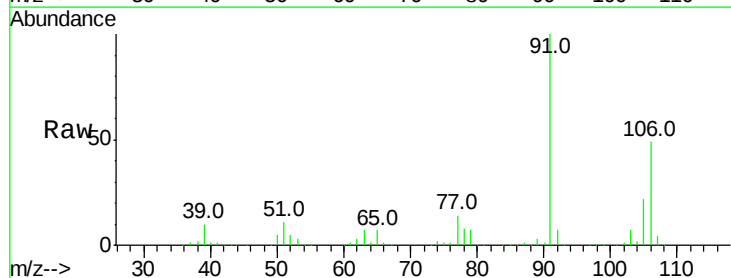
Acq: 07 Jul 2020 14:35

Tgt Ion: 106 Resp: 342892

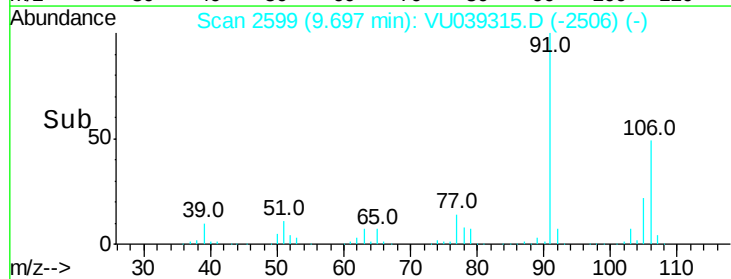
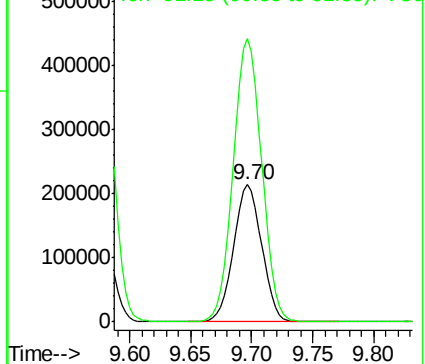
Ion Ratio Lower Upper

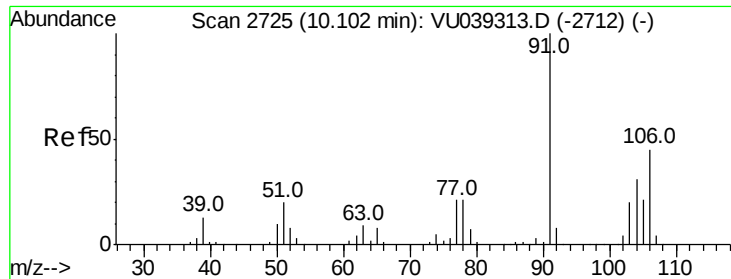
106 100

91 206.0 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039313.D (-2586) (-)

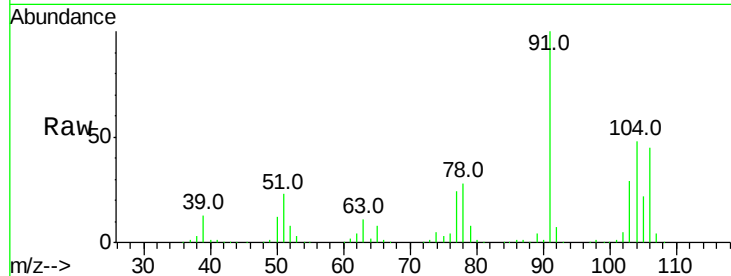




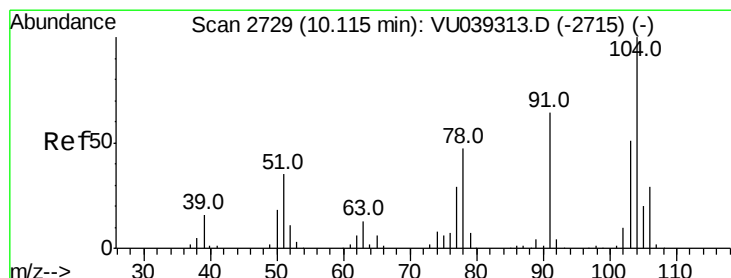
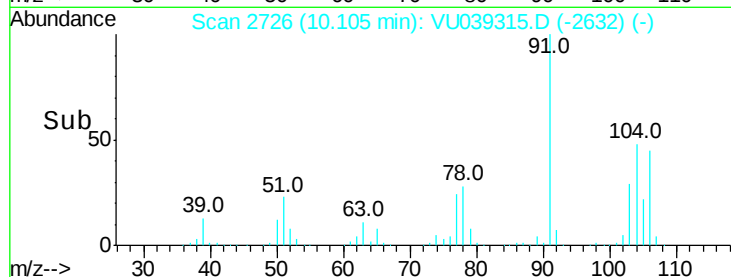
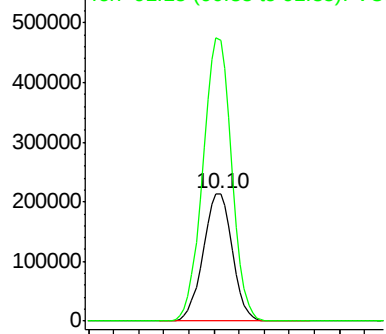
#54
o-Xylene
Concen: 22.520 ug/L
RT: 10.10 min Scan# 2726
Delta R.T. 0.00 min
Lab File: VU039315.D
Acq: 07 Jul 2020 14:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion:106 Resp: 344411
Ion Ratio Lower Upper
106 100
91 219.9 154.6 287.2

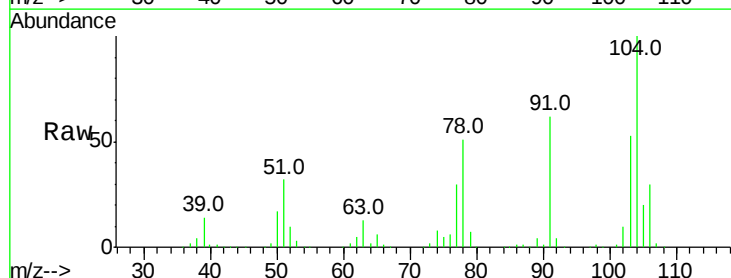


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

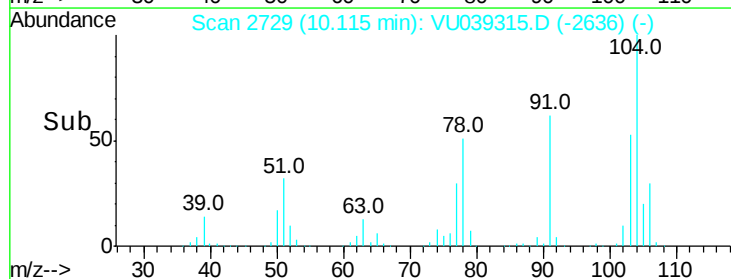
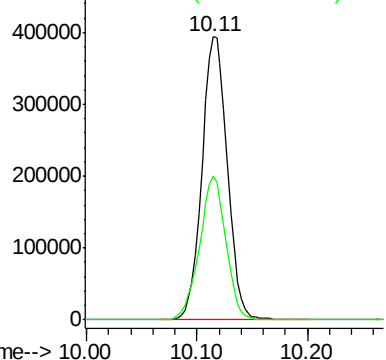


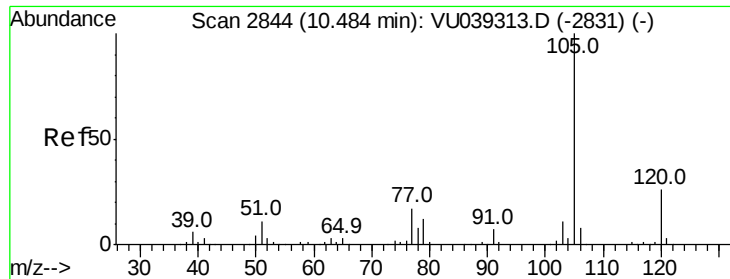
#55
Styrene
Concen: 23.521 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039315.D
Acq: 07 Jul 2020 14:35

Tgt Ion:104 Resp: 628952
Ion Ratio Lower Upper
104 100
78 50.7 33.1 61.5



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





#56

Isopropylbenzene

Concen: 22.665 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

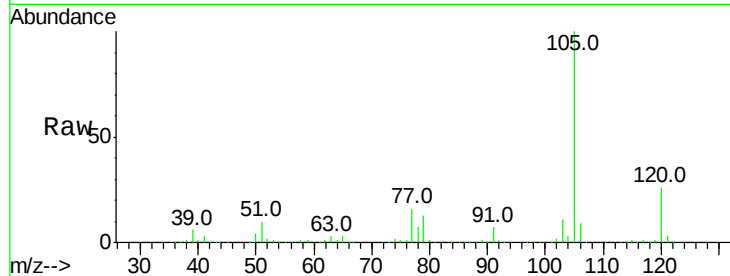
Tgt Ion:105 Resp: 938706

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

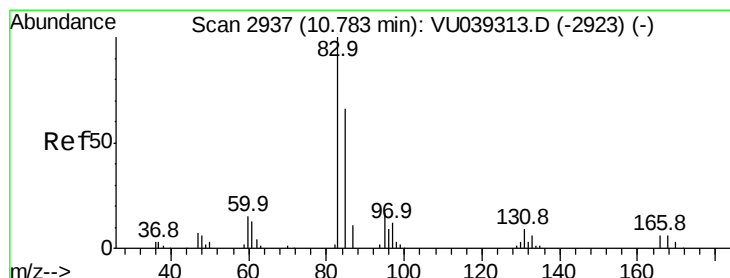
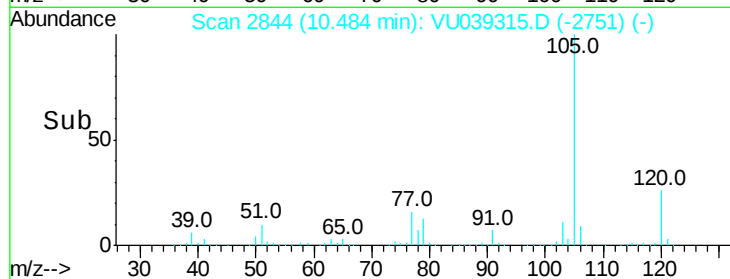
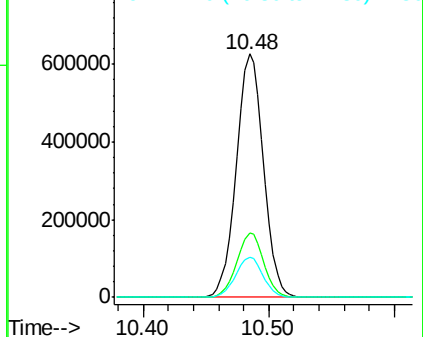
77 16.7 13.9 20.9



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: 20.759 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

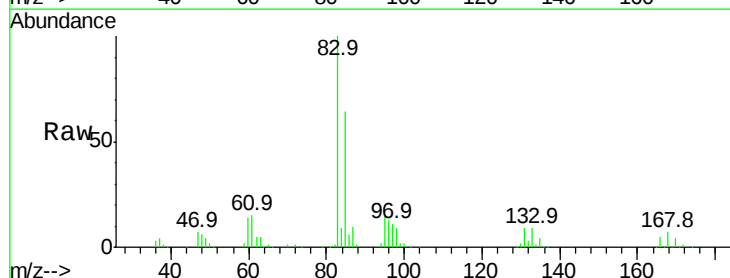
Tgt Ion: 83 Resp: 205428

Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.7

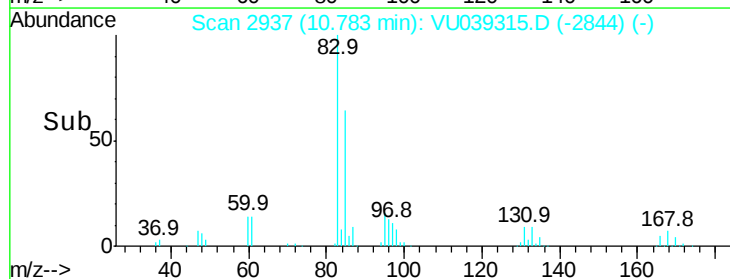
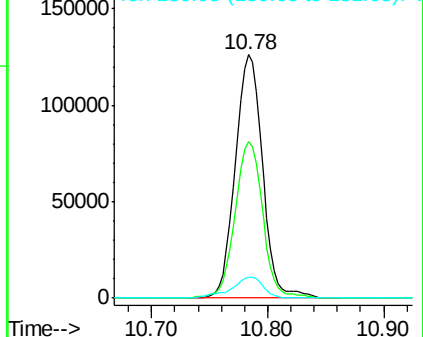
131 8.8 7.4 11.0

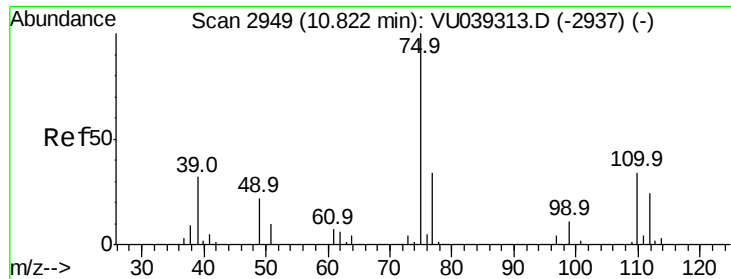


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

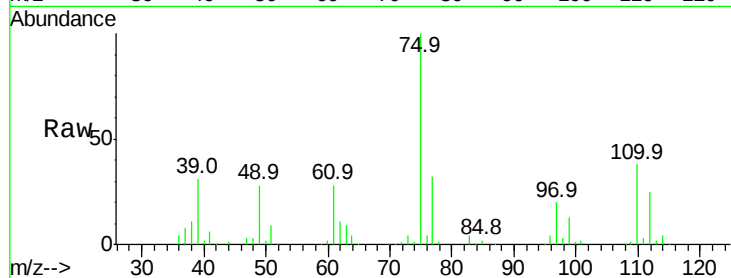




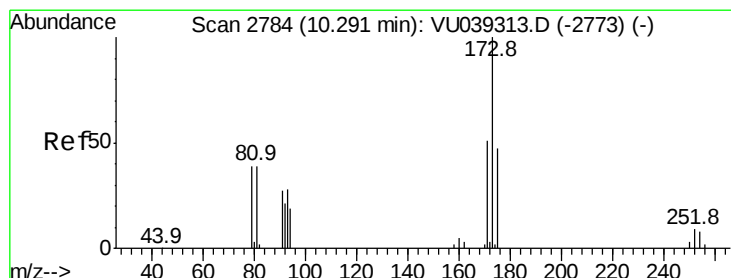
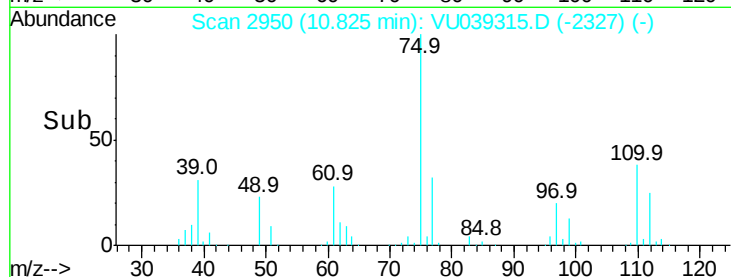
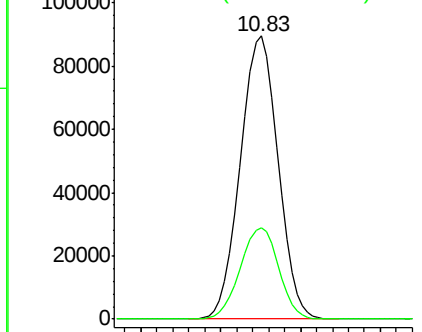
#59
 1,2,3-Trichloropropane
 Concen: 20.357 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion: 75 Resp: 144094
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.8 40.2

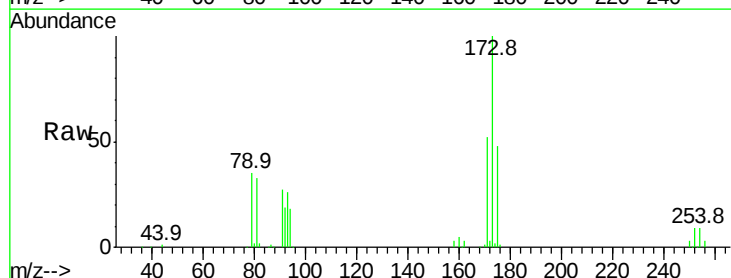


Abundance Ion 75.00 (74.70 to 75.70): VU039313.D (-2937) (-)
 Ion 77.00 (76.70 to 77.70): VU039313.D (-2937) (-)

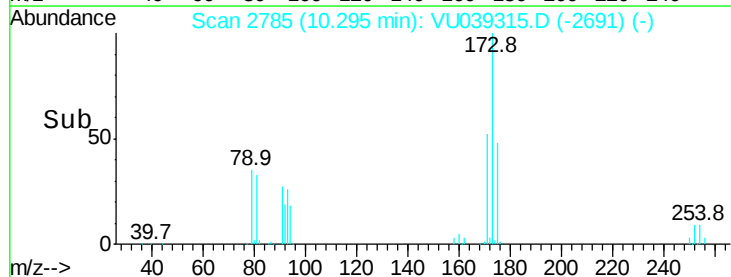
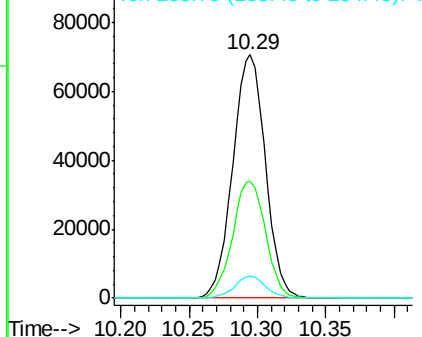


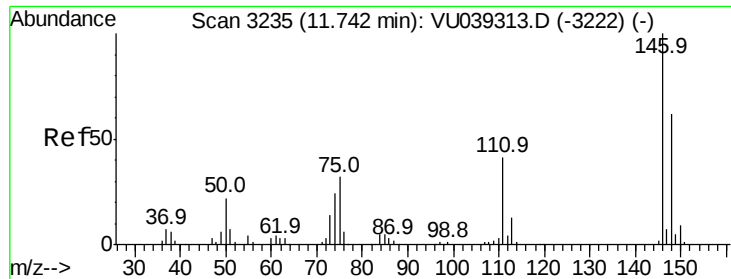
#61
 Bromoform
 Concen: 20.137 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Tgt Ion: 173 Resp: 117225
 Ion Ratio Lower Upper
 173 100
 175 48.5 37.5 56.3
 254 8.6 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039313.D (-2773) (-)
 Ion 174.90 (174.60 to 175.60): VU039313.D (-2773) (-)
 Ion 253.75 (253.45 to 254.45): VU039313.D (-2773) (-)





#62

1,3-Dichlorobenzene

Concen: 19.661 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

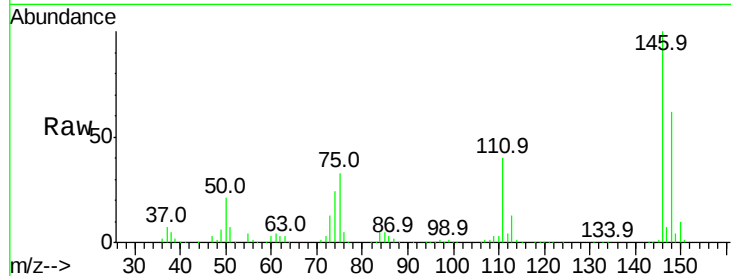
Tgt Ion:146 Resp: 403428

Ion Ratio Lower Upper

146 100

111 40.0 29.0 53.8

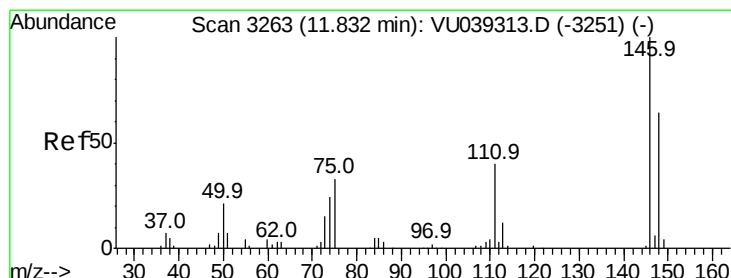
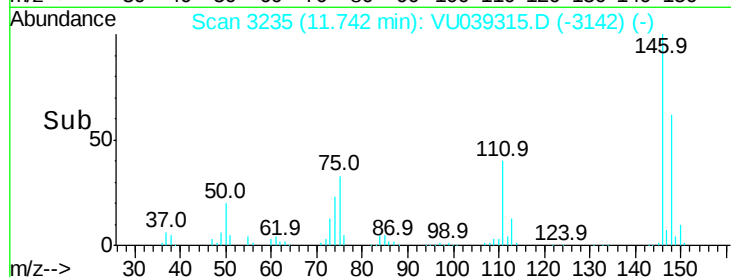
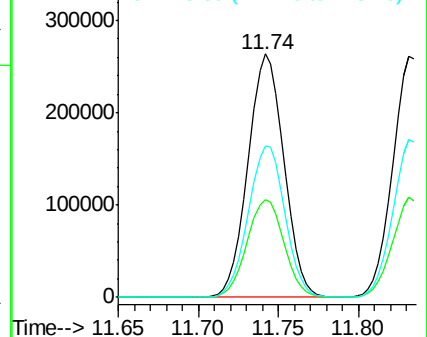
148 62.3 43.5 80.9



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: 20.322 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

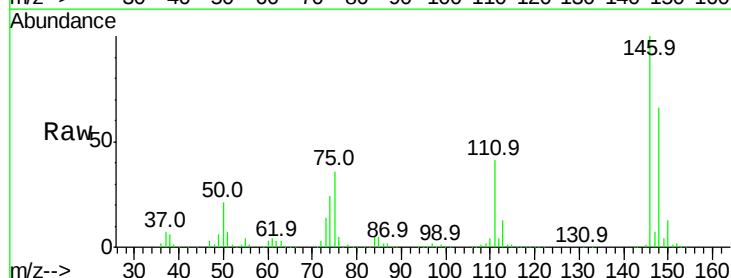
Tgt Ion:146 Resp: 409587

Ion Ratio Lower Upper

146 100

111 41.4 28.6 53.0

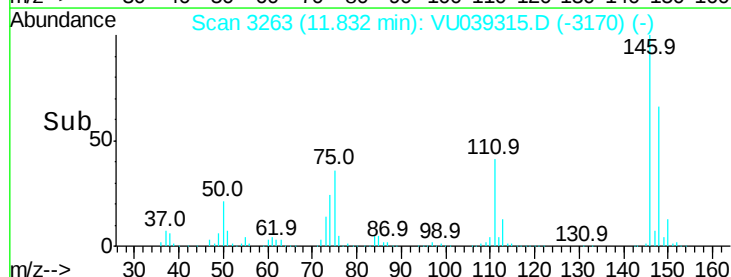
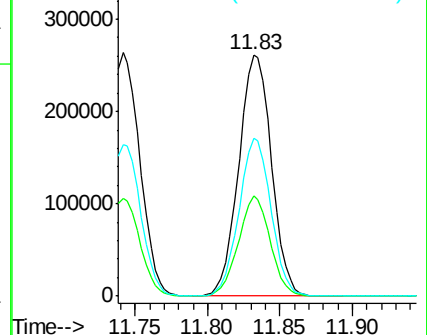
148 65.6 45.0 83.6

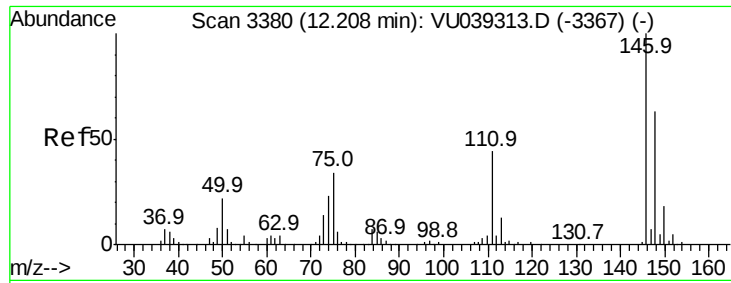


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

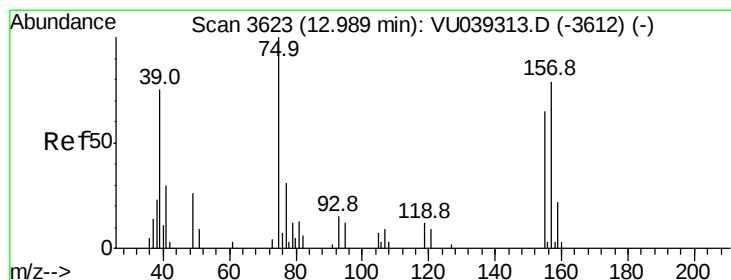
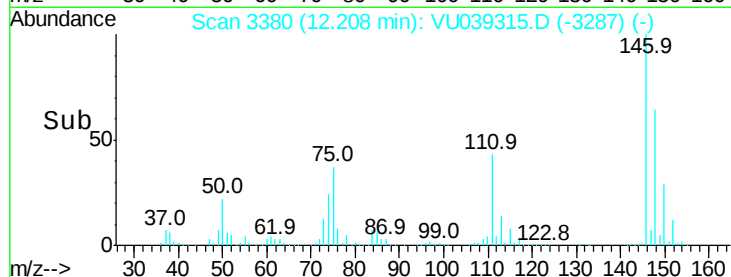
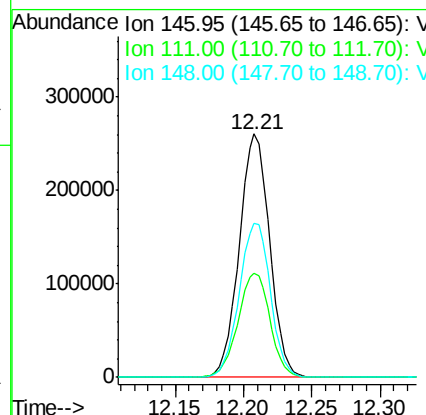
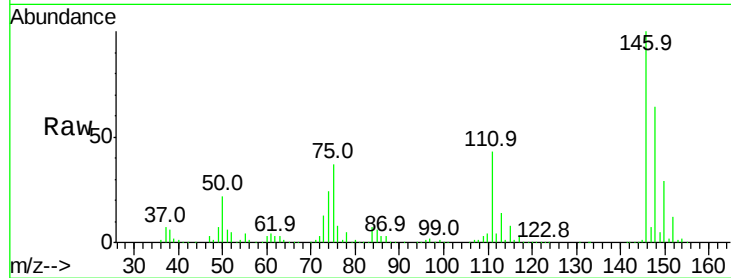




#65
 1,2-Dichlorobenzene
 Concen: 20.035 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

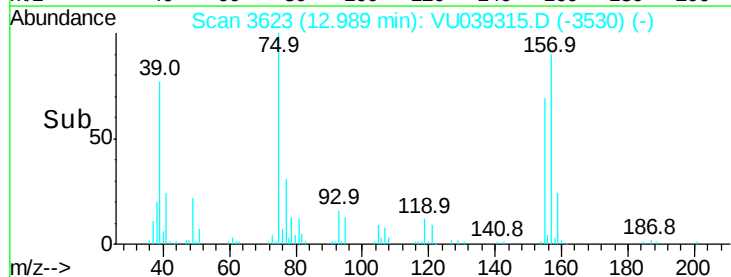
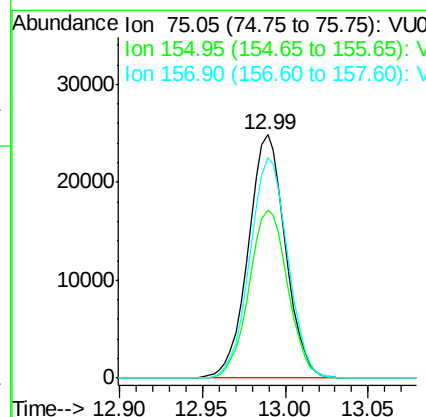
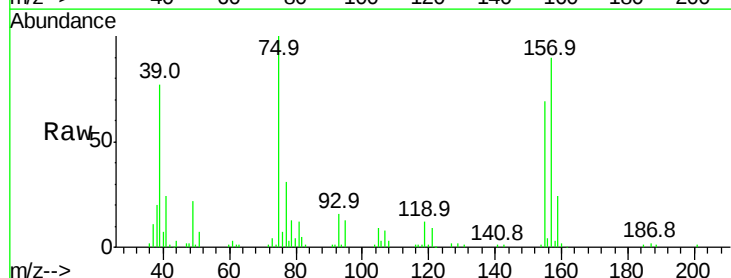
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

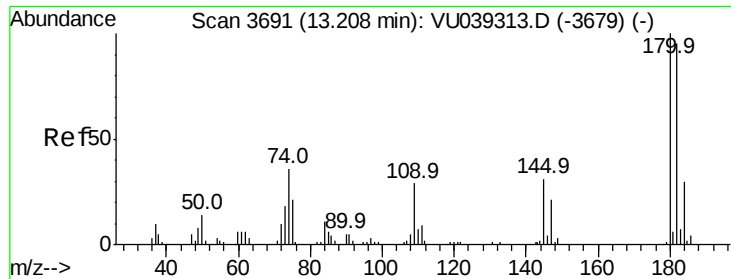
Tgt Ion: 146 Resp: 402723
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.0 52.4
 148 63.5 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.303 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Tgt Ion: 75 Resp: 38701
 Ion Ratio Lower Upper
 75 100
 155 69.0 51.9 77.9
 157 90.3 63.2 94.8

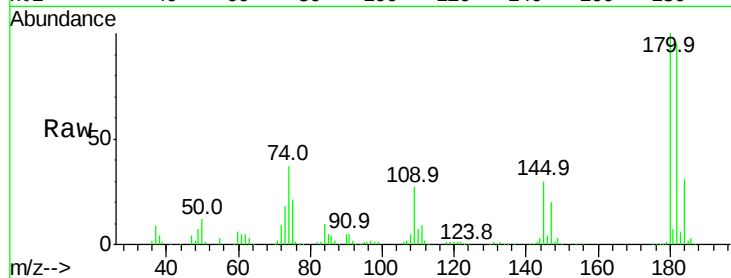




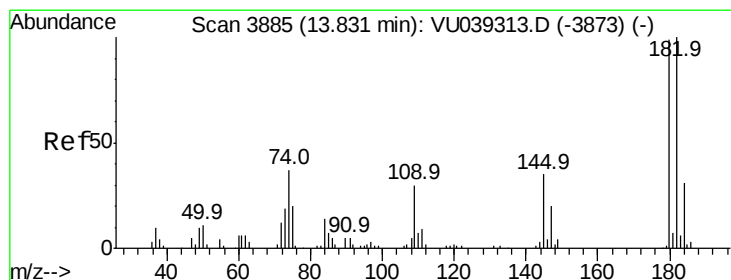
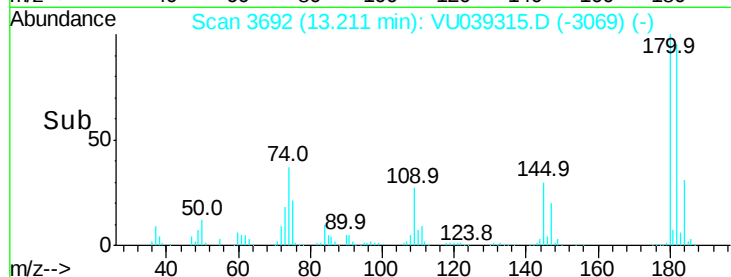
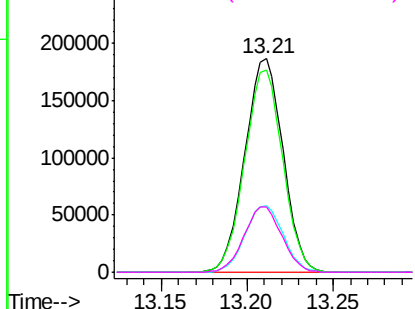
#67
 1,3,5-Trichlorobenzene
 Concen: 19.030 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion:180 Resp: 286897
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.2 114.4
 184 31.0 24.2 36.4
 145 30.3 24.2 36.2

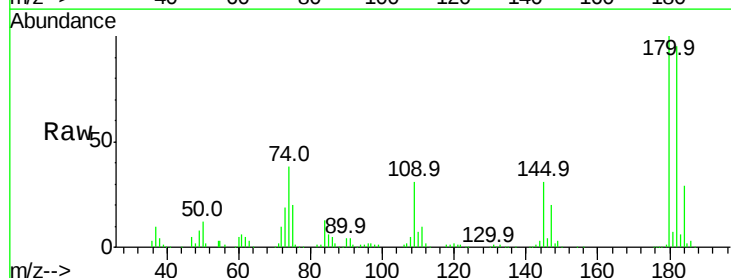


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

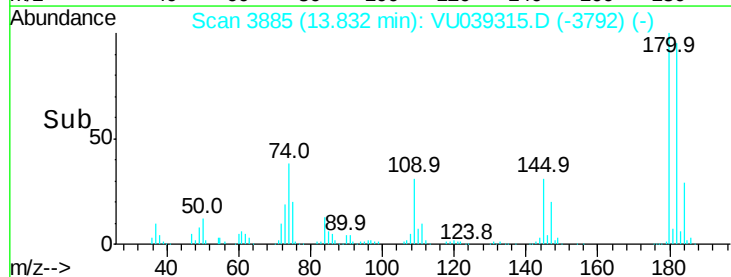
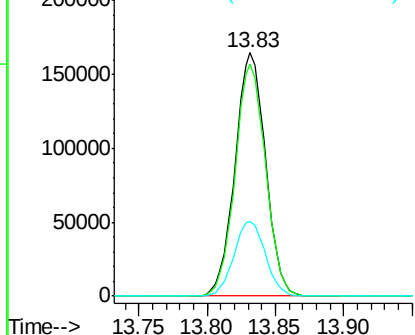


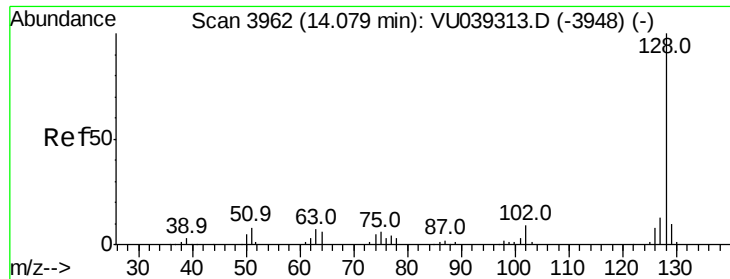
#68
 1,2,4-trichlorobenzene
 Concen: 19.610 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039315.D
 Acq: 07 Jul 2020 14:35

Tgt Ion:180 Resp: 255650
 Ion Ratio Lower Upper
 180 100
 182 95.1 79.4 119.2
 145 31.6 26.4 39.6



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: 21.907 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

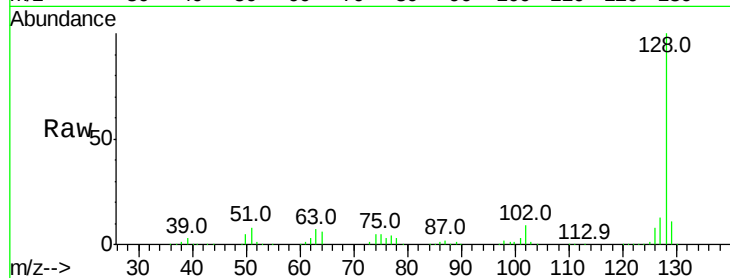
Tgt Ion:128 Resp: 547497

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

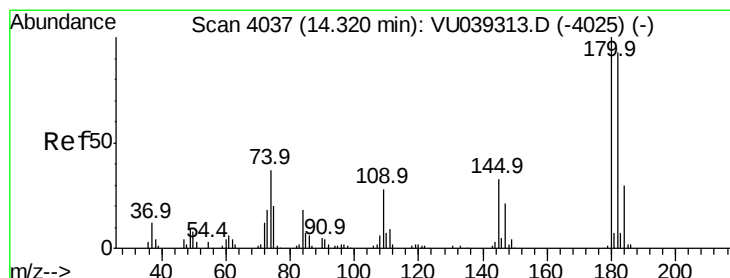
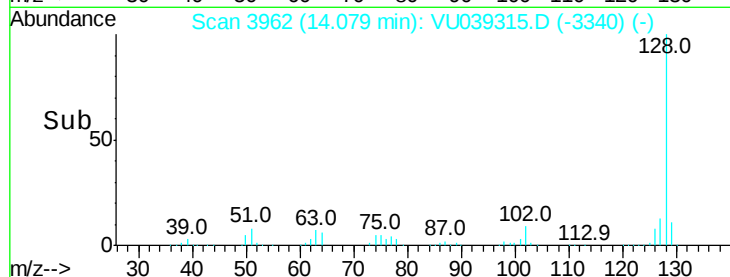
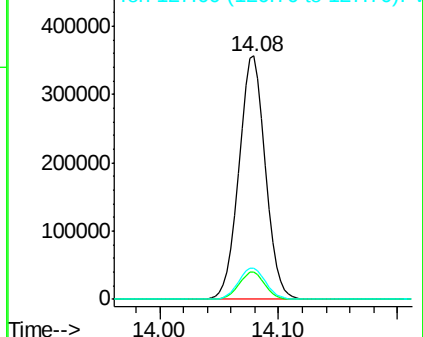
127 13.3 10.4 15.6



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: 19.549 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039315.D

Acq: 07 Jul 2020 14:35

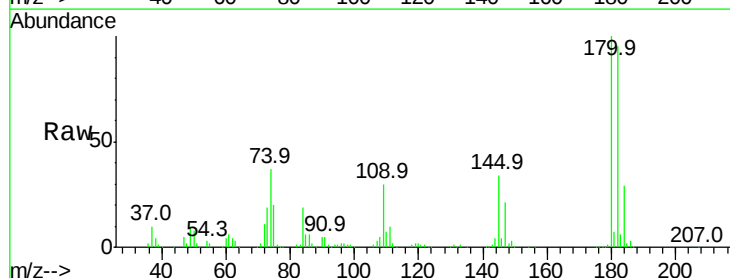
Tgt Ion:180 Resp: 232389

Ion Ratio Lower Upper

180 100

182 95.6 74.2 111.2

145 34.4 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

