

Data File : VU038889.D
Acq On : 15 Jun 2020 13:21
Operator : SY/MD
Sample : VSTD010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Quant Time: Jun 15 13:43:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 15 13:39:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293241	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	300536	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	159133	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137406	8.60	ug/L	0.00
7) Chloroethane-d5	1.93	69	126749	9.87	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	334813	9.21	ug/L	0.00
20) 2-Butanone-d5	4.68	46	507940	101.26	ug/L	0.00
24) Chloroform-d	5.10	84	345915	9.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	186675	9.33	ug/L	0.00
32) Benzene-d6	5.76	84	639437	9.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	196253	9.34	ug/L	0.00
41) Toluene-d8	7.92	98	595148	9.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	88562	9.49	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	506204	122.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	178548	9.71	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	240106	9.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	264093	9.245 ug/L	98
3) Chloromethane	1.53	50	233587	9.913 ug/L	100
5) Vinyl chloride	1.62	62	242703	9.694 ug/L	98
6) Bromomethane	1.87	94	146560	10.203 ug/L	99
8) Chloroethane	1.95	64	174617	11.293 ug/L	100
9) Trichlorofluoromethane	2.16	101	410093	11.037 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	203680	9.585 ug/L	98
12) 1,1-Dichloroethene	2.60	96	195675	9.528 ug/L	98
13) Acetone	2.68	43	407920	100.240 ug/L	98
14) Carbon disulfide	2.82	76	664966	9.512 ug/L	100
15) Methyl Acetate	2.99	43	100117	10.071 ug/L	100
16) Methylene chloride	3.08	84	222847	9.438 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	538710	10.181 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	213032	9.661 ug/L	100
19) 1,1-Dichloroethane	3.91	63	391001	9.852 ug/L	99
21) 2-Butanone	4.76	43	679328	101.623 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	226435	9.859 ug/L	99
23) Bromochloromethane	5.01	128	106125	9.857 ug/L	97
25) Chloroform	5.12	83	406143	9.926 ug/L	97
27) 1,2-Dichloroethane	5.83	62	284716	9.980 ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	355987	9.598 ug/L	99
30) Cyclohexane	5.42	56	336628	9.365 ug/L	98
31) Carbon tetrachloride	5.56	117	302293	9.655 ug/L	100
33) Benzene	5.81	78	869450	9.574 ug/L	100
34) Trichloroethene	6.57	95	222933	9.401 ug/L	97
35) Methylcyclohexane	6.79	83	347981	9.437 ug/L	98
37) 1,2-Dichloropropane	6.82	63	220267	9.628 ug/L	100
38) Bromodichloromethane	7.13	83	290968	9.804 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	335922	9.906 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1537382	100.415 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	940434	9.810	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	302237	10.007	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	169584	9.720	ug/L	99
47) Tetrachloroethene	8.57	164	178377	9.771	ug/L	98
48) 2-Hexanone	8.71	43	1375835	116.981	ug/L	99
49) Dibromochloromethane	8.83	129	210972	10.832	ug/L	95
50) 1,2-Dibromoethane	8.94	107	174716	10.259	ug/L	97
51) Chlorobenzene	9.47	112	601090	9.736	ug/L	99
52) Ethylbenzene	9.59	91	1120285	10.607	ug/L	99
53) m,p-Xylene	9.71	106	435013	10.900	ug/L	100
54) o-Xylene	10.12	106	419972	10.960	ug/L	100
55) Styrene	10.13	104	744142	11.285	ug/L	100
56) Isopropylbenzene	10.50	105	1026961	10.026	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	215146	9.917	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	179045	10.550	ug/L	100
61) Bromoform	10.31	173	117722	10.272	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	487038	9.480	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	494305	9.433	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	483648	10.008	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	38871	9.917	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	360594	9.582	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	327210	9.826	ug/L	98
69) Naphthalene	14.11	128	655686	10.372	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	308641	10.139	ug/L	98

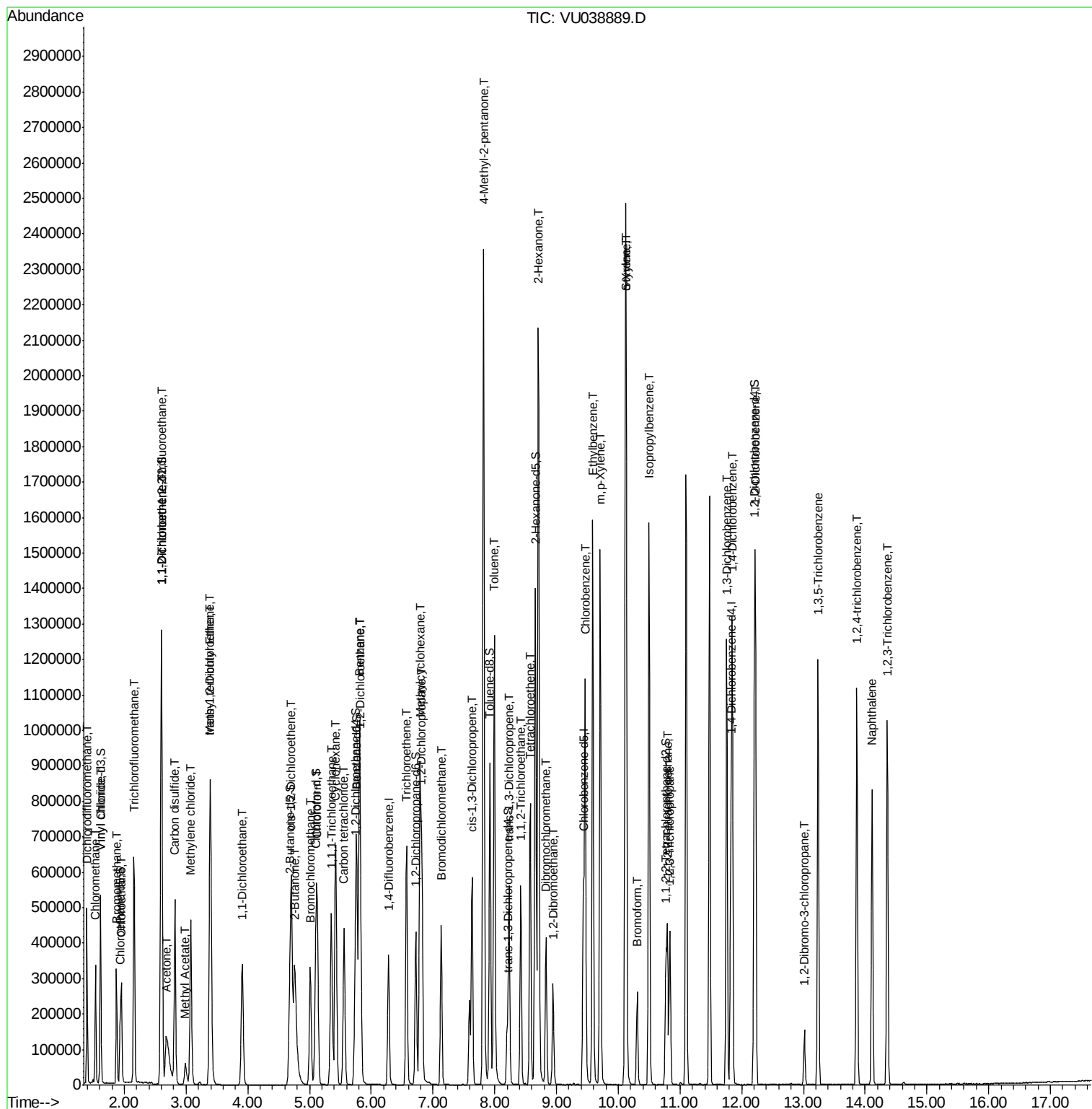
(#) = qualifier out of range (m) = manual integration (+) = signals summed

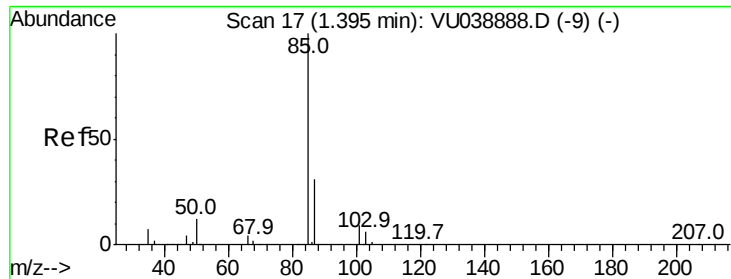
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#2

Dichlorodifluoromethane

Concen: 9.245 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

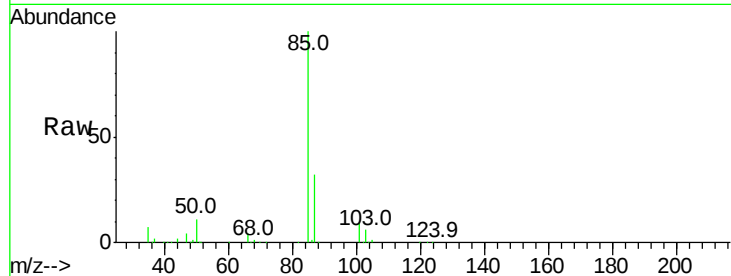
VSTD01006

Tgt Ion: 85 Resp: 264093

Ion Ratio Lower Upper

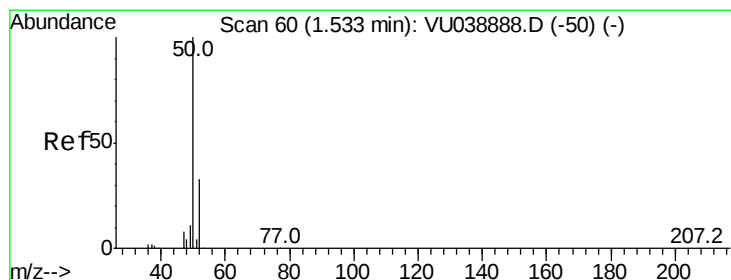
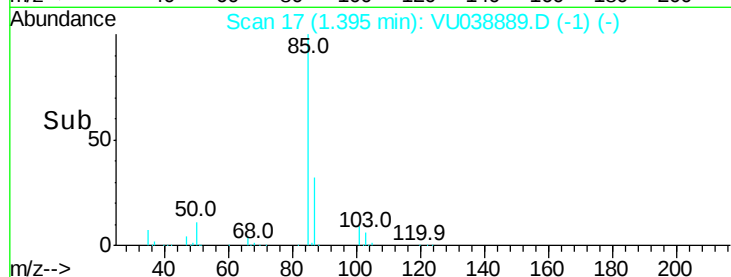
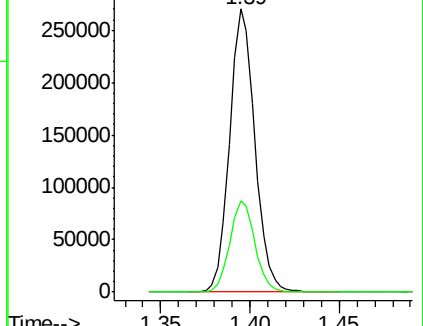
85 100

87 32.2 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038889.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038889.D (-9) (-)



#3

Chloromethane

Concen: 9.913 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038889.D

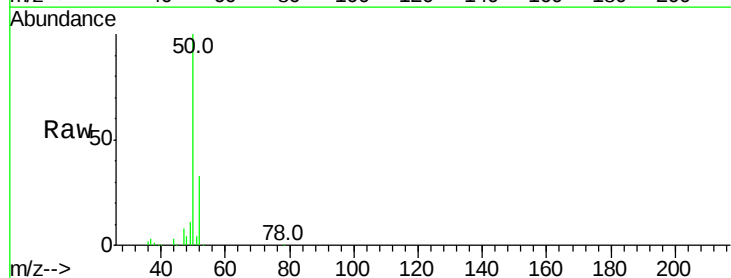
Acq: 15 Jun 2020 13:21

Tgt Ion: 50 Resp: 233587

Ion Ratio Lower Upper

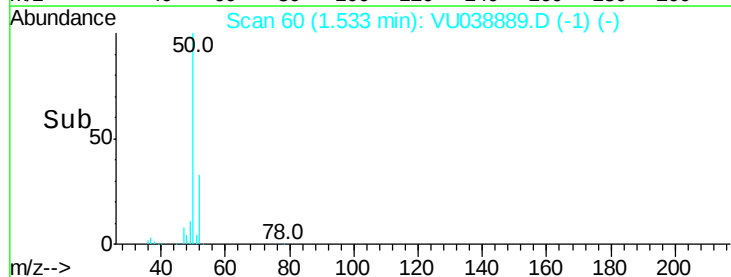
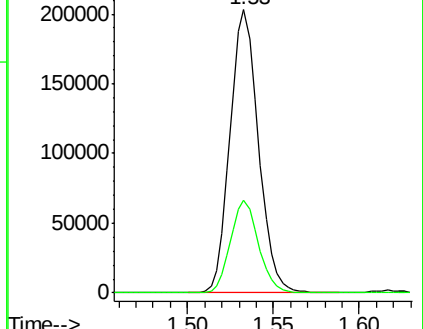
50 100

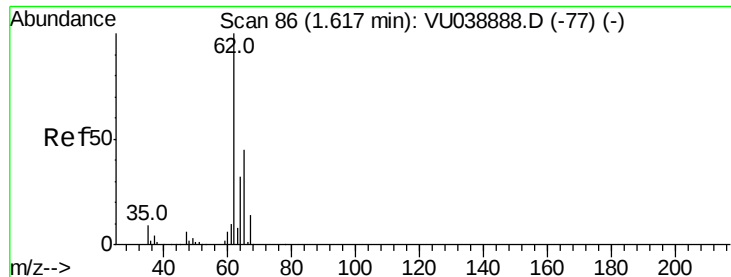
52 32.6 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU038889.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038889.D (-50) (-)





#5

Vinyl chloride

Concen: 9.694 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

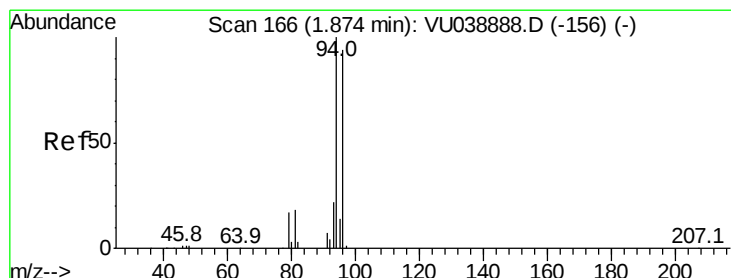
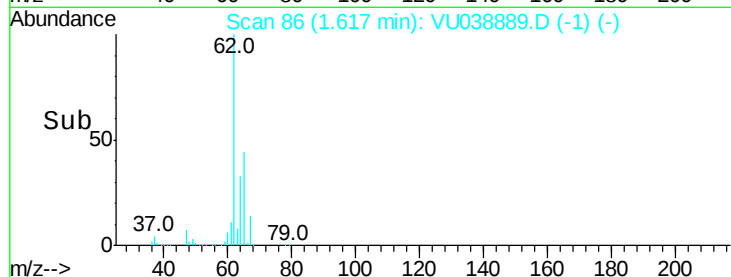
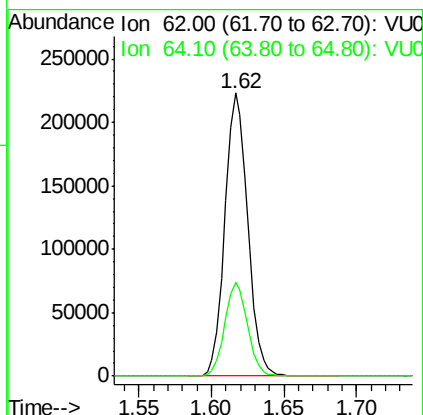
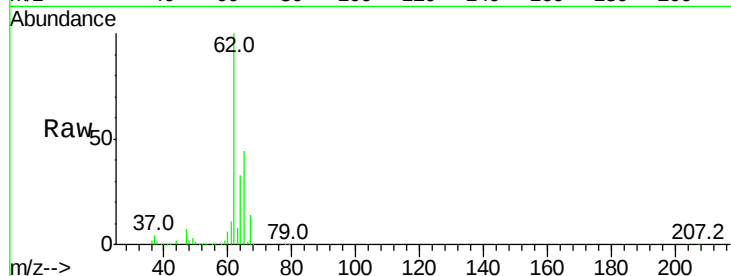
VSTD01006

Tgt Ion: 62 Resp: 242703

Ion Ratio Lower Upper

62 100

64 33.0 22.2 41.2



#6

Bromomethane

Concen: 10.203 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038889.D

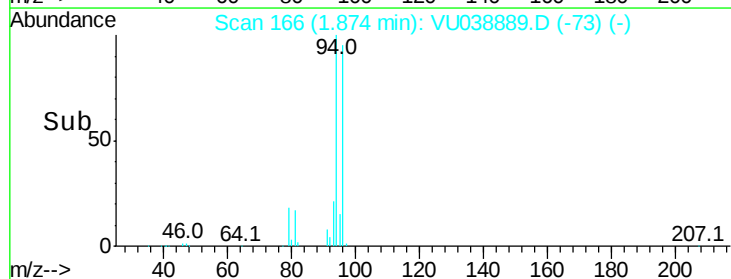
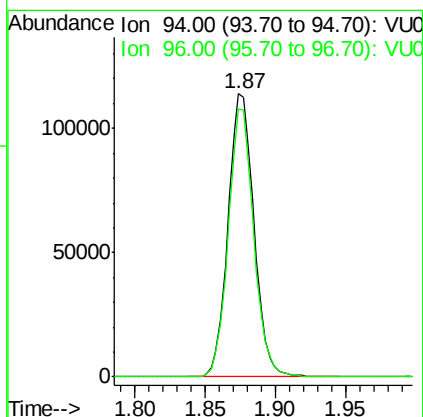
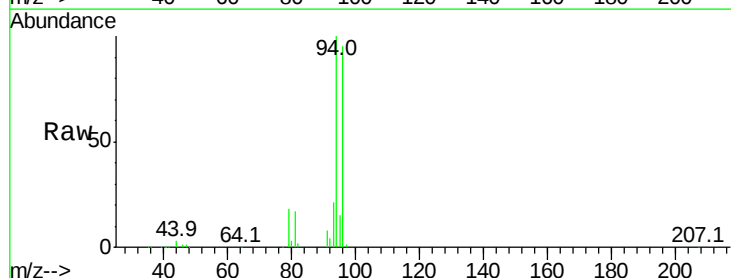
Acq: 15 Jun 2020 13:21

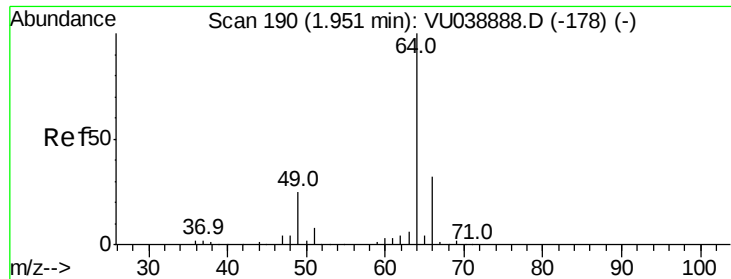
Tgt Ion: 94 Resp: 146560

Ion Ratio Lower Upper

94 100

96 94.6 65.5 121.7





#8

Chloroethane

Concen: 11.293 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

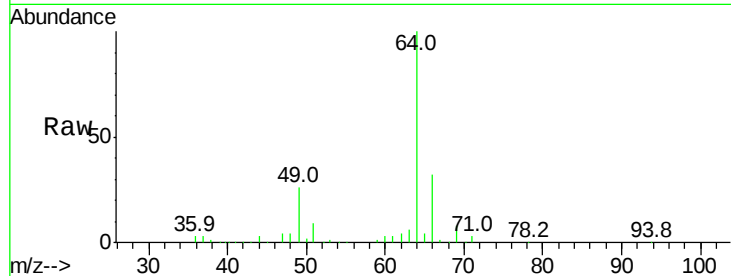
VSTD01006

Tgt Ion: 64 Resp: 174617

Ion Ratio Lower Upper

64 100

66 32.1 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU038889.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU038889.D (-178) (-)

1.95

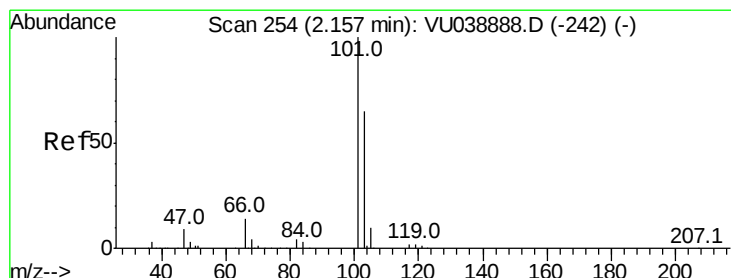
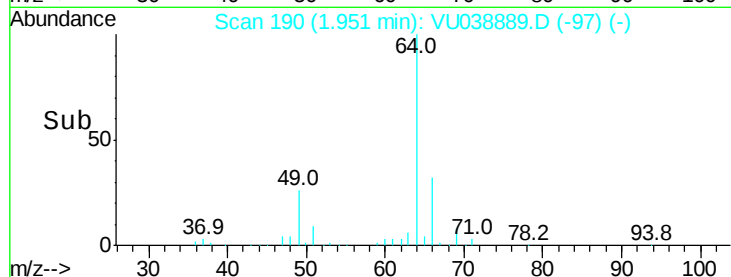
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 11.037 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038889.D

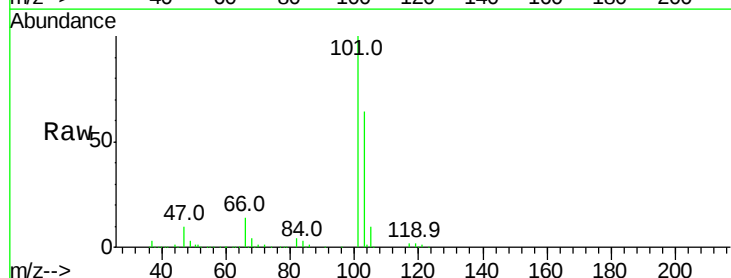
Acq: 15 Jun 2020 13:21

Tgt Ion: 101 Resp: 410093

Ion Ratio Lower Upper

101 100

103 64.0 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038889.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038889.D (-242) (-)

2.16

300000

250000

200000

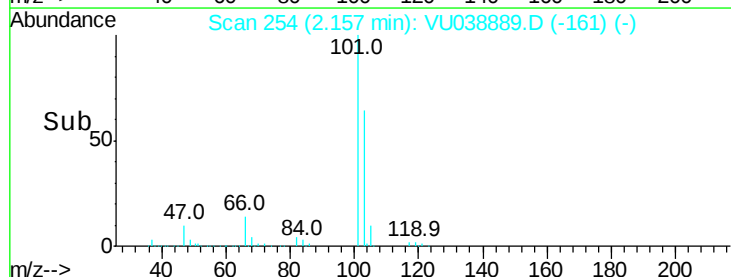
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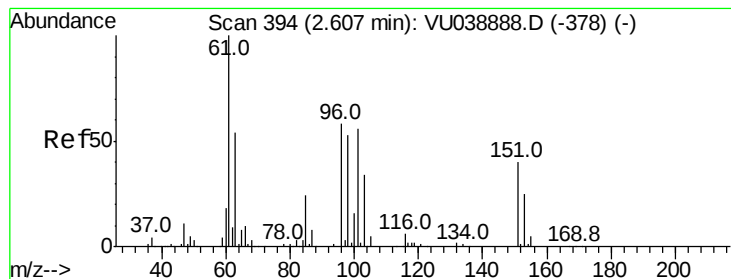
100000

50000

0

Time-->





#10

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

Concen: 9.585 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

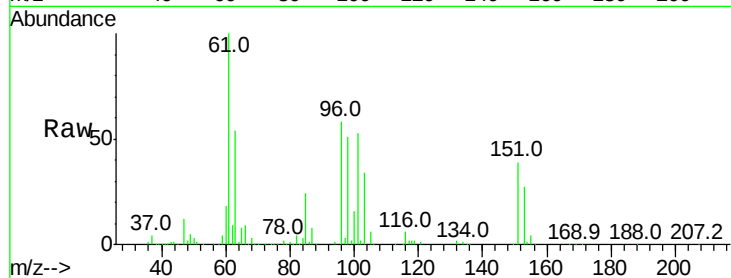
Tgt Ion:101 Resp: 203680

Ion Ratio Lower Upper

101 100

85 44.6 35.3 52.9

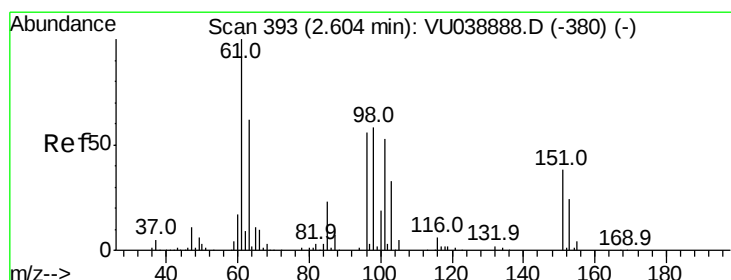
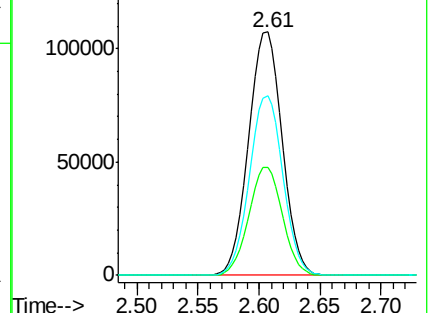
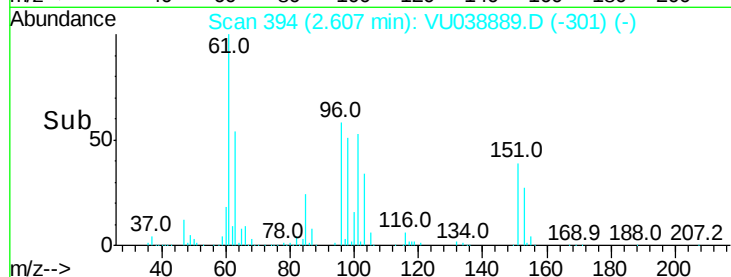
151 73.7 57.4 86.2



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: 9.528 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

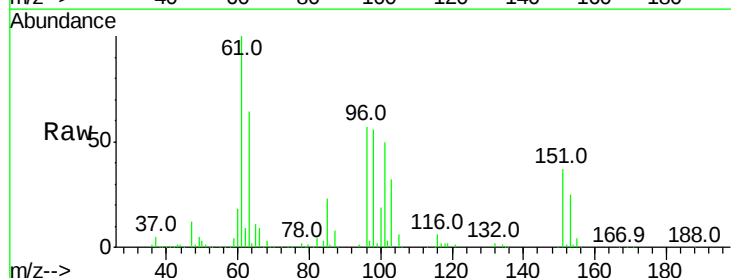
Tgt Ion: 96 Resp: 195675

Ion Ratio Lower Upper

96 100

61 175.4 124.9 232.1

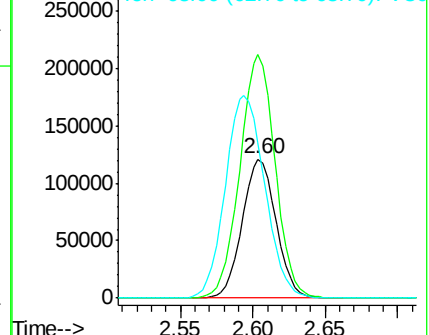
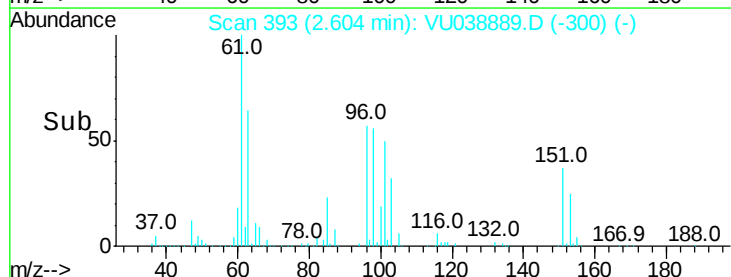
63 111.7 79.1 146.9

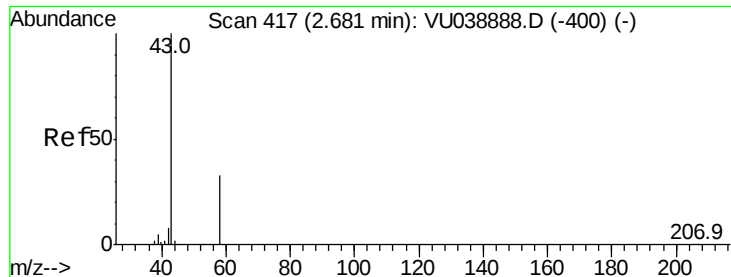


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 100.240 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

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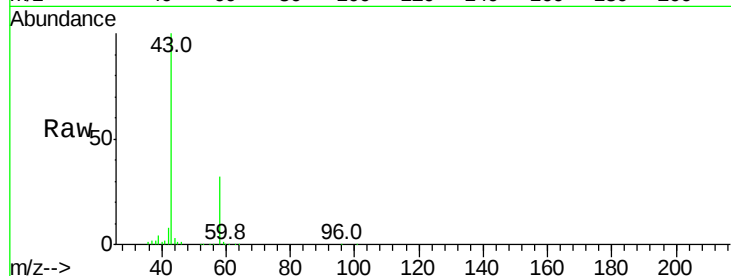
VSTD01006

Tgt Ion: 43 Resp: 407920

Ion Ratio Lower Upper

43 100

58 31.9 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038888.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038889.D (-324) (-)

2.68

80000

60000

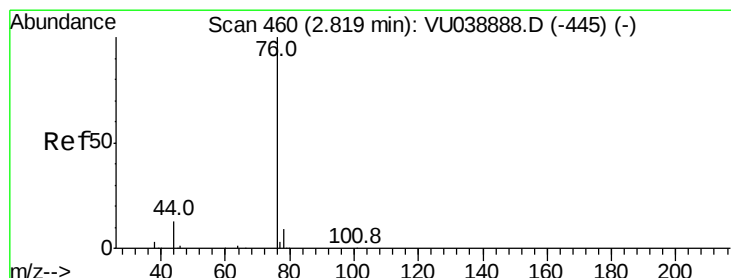
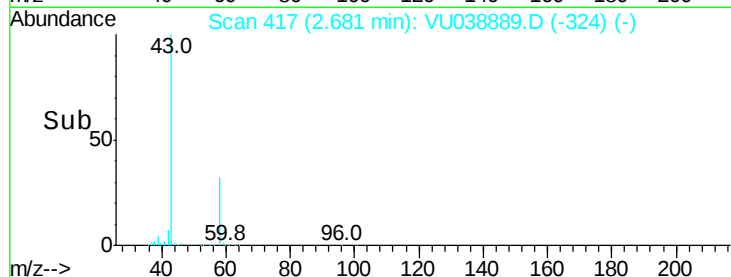
40000

20000

0

Time-->

2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 9.512 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038889.D

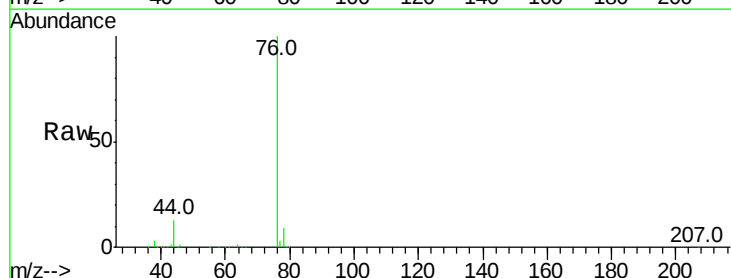
Acq: 15 Jun 2020 13:21

Tgt Ion: 76 Resp: 664966

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038888.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038889.D (-367) (-)

2.82

400000

300000

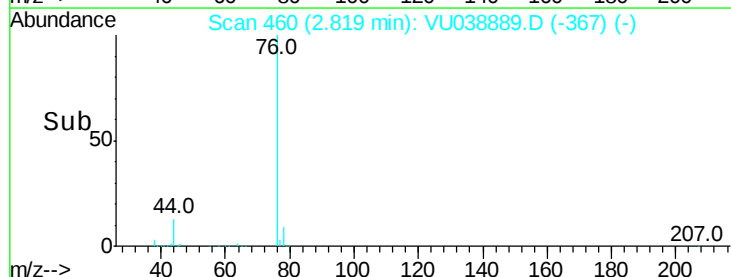
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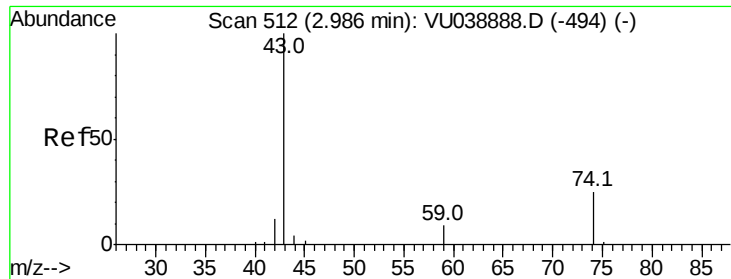
100000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 10.071 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

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ClientSampleId :

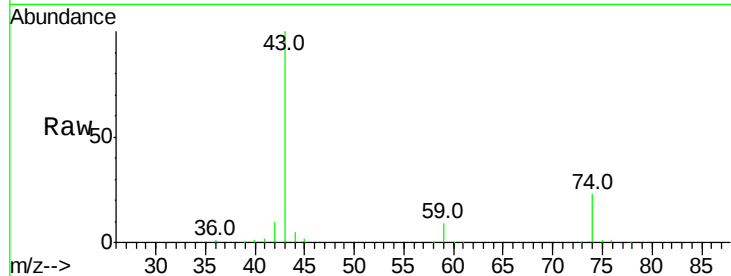
VSTD01006

Tgt Ion: 43 Resp: 100117

Ion Ratio Lower Upper

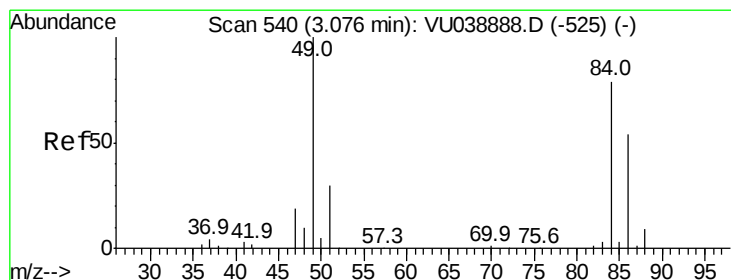
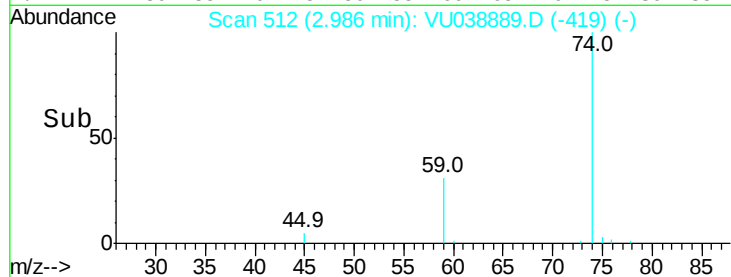
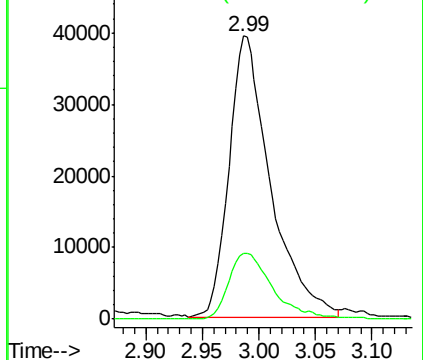
43 100

74 24.8 19.7 29.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 9.438 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

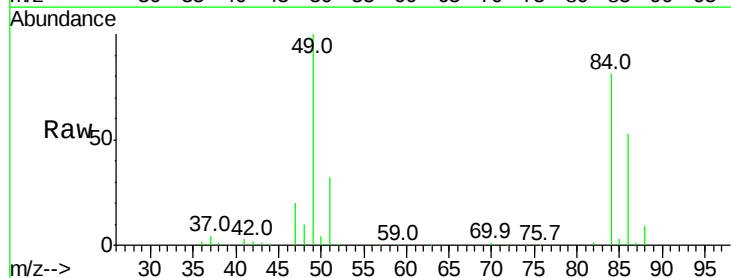
Tgt Ion: 84 Resp: 222847

Ion Ratio Lower Upper

84 100

86 66.1 47.9 89.1

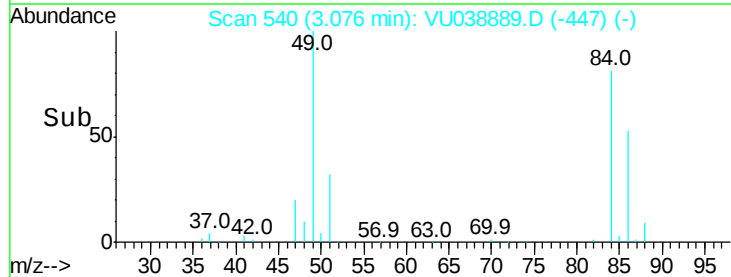
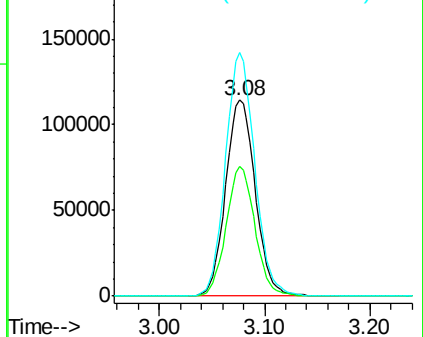
49 124.2 88.4 164.2

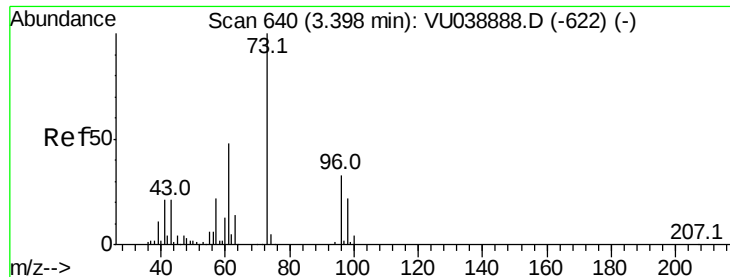


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 10.181 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

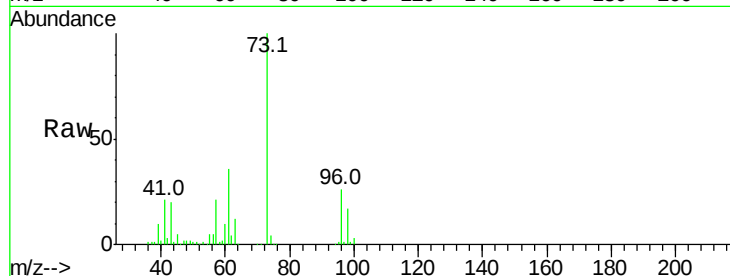
Tgt Ion: 73 Resp: 538710

Ion Ratio Lower Upper

73 100

43 20.1 16.6 24.8

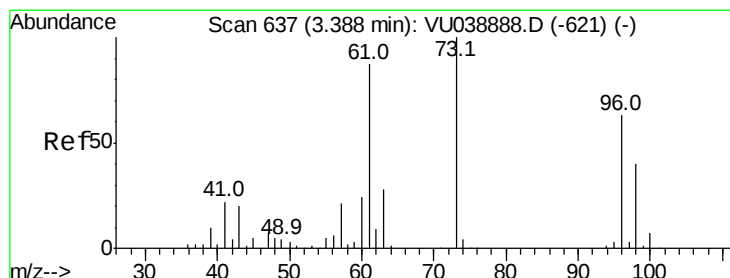
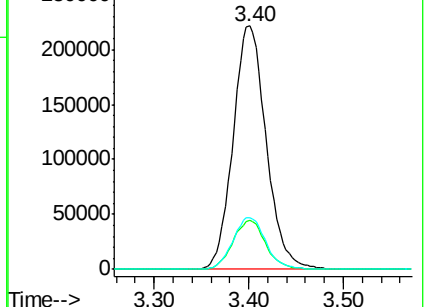
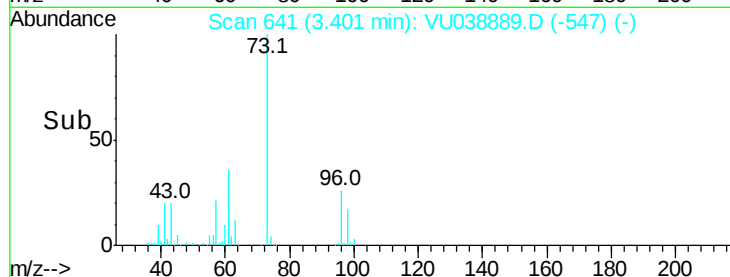
57 21.1 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VU038889.D (-547) (-)

Ion 43.05 (42.75 to 43.75): VU038889.D (-547) (-)

Ion 57.10 (56.80 to 57.80): VU038889.D (-547) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.661 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

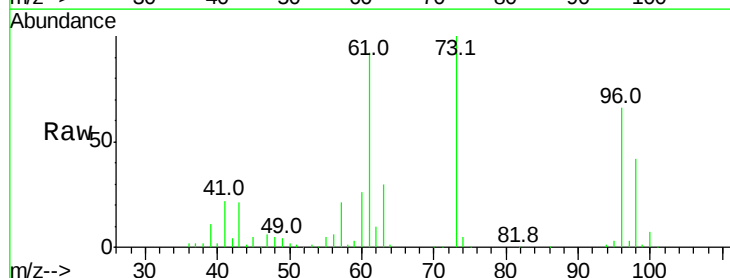
Tgt Ion: 96 Resp: 213032

Ion Ratio Lower Upper

96 100

61 138.9 97.6 181.4

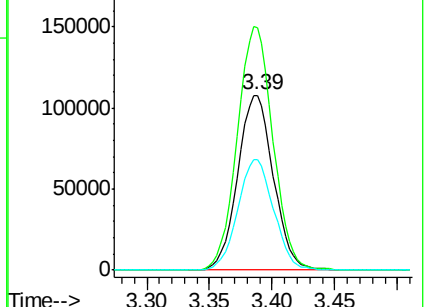
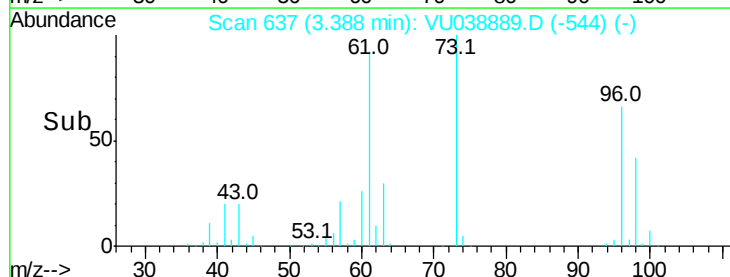
98 63.4 44.5 82.7

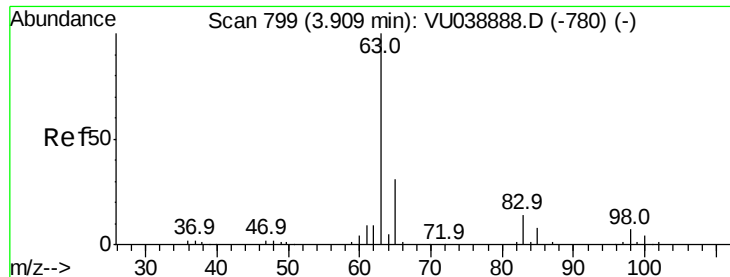


Abundance Ion 96.00 (95.70 to 96.70): VU038889.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038889.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038889.D (-544) (-)

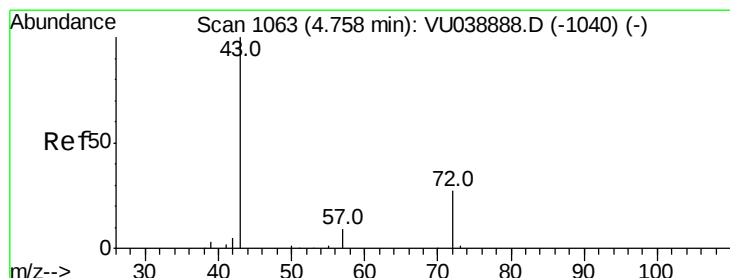
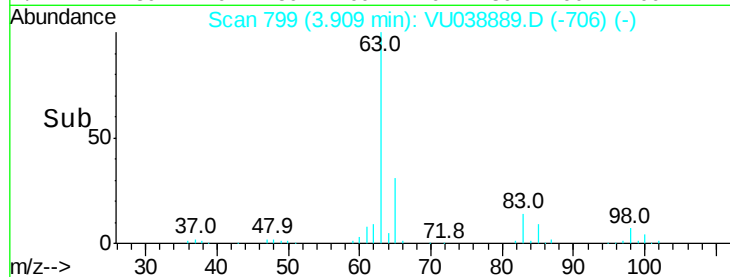
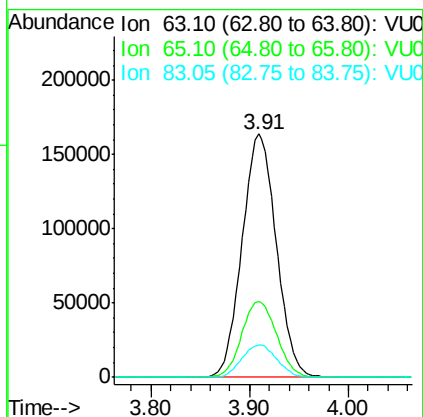
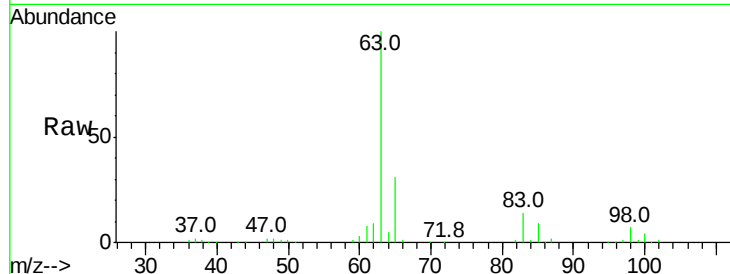




#19
 1,1-Dichloroethane
 Concen: 9.852 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

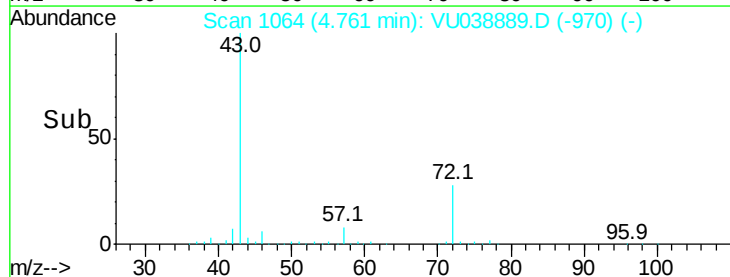
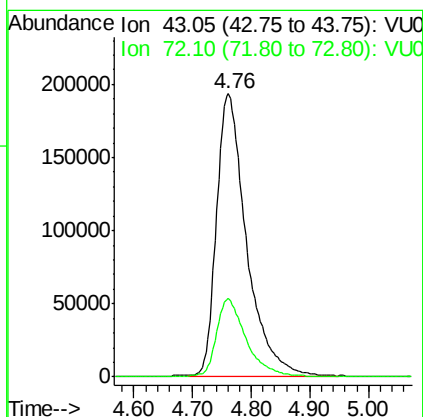
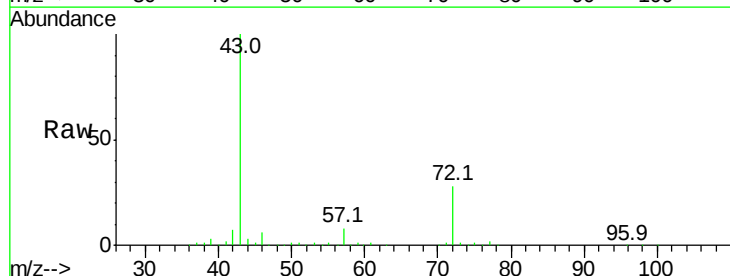
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

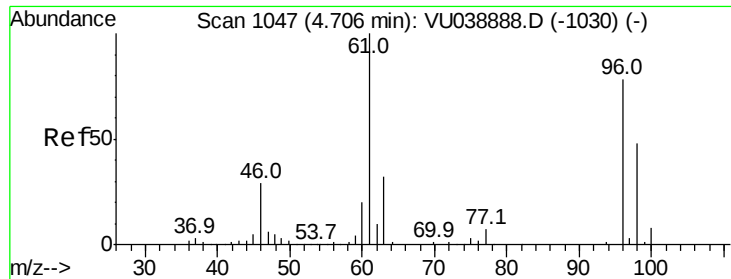
Tgt Ion: 63 Resp: 391001
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.3 39.6
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 101.623 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion: 43 Resp: 679328
 Ion Ratio Lower Upper
 43 100
 72 28.0 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 9.859 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

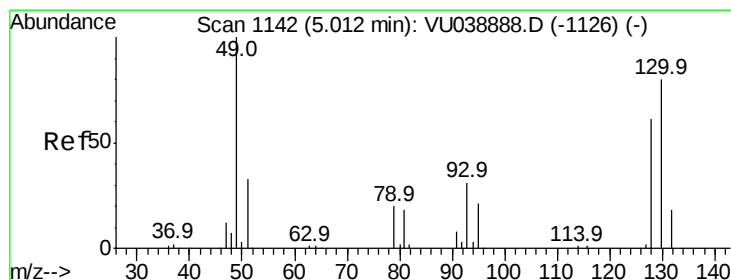
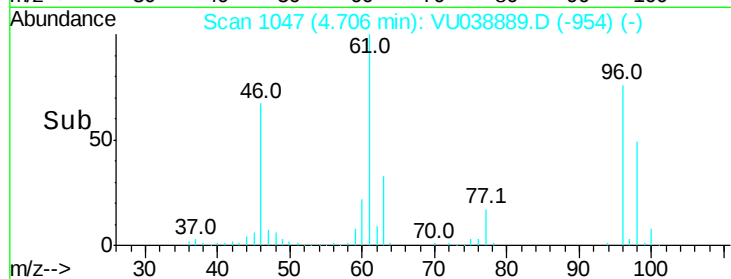
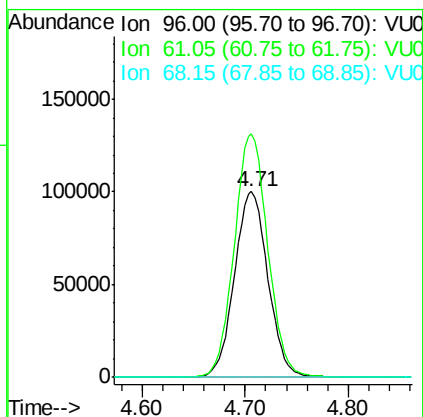
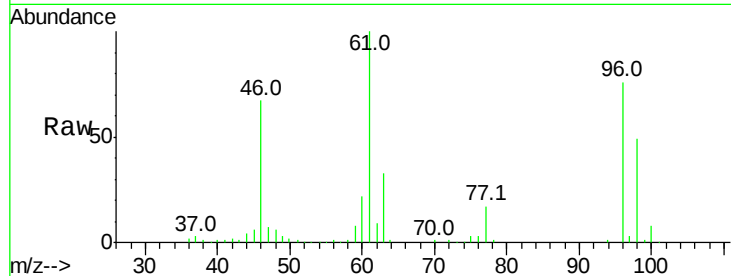
Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion: 96 Resp: 226435

Ion	Ratio	Lower	Upper
96	100		
61	131.0	90.5	168.1
68	0.0	0.0	0.0



#23

Bromochloromethane

Concen: 9.857 ug/L

RT: 5.01 min Scan# 1142

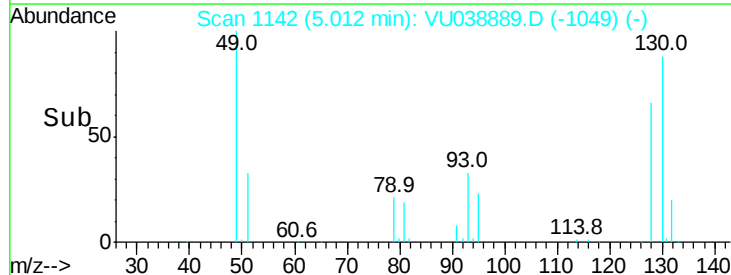
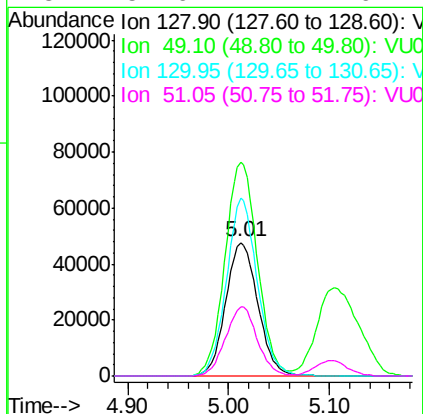
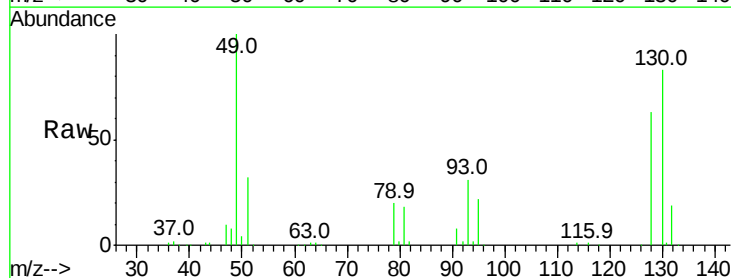
Delta R.T. -0.00 min

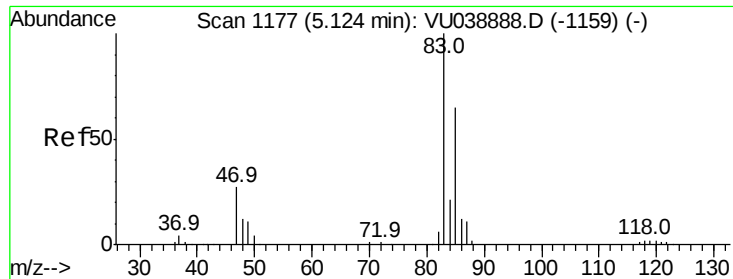
Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Tgt Ion: 128 Resp: 106125

Ion	Ratio	Lower	Upper
128	100		
49	159.9	114.8	213.2
130	133.2	91.7	170.3
51	51.6	42.7	64.1

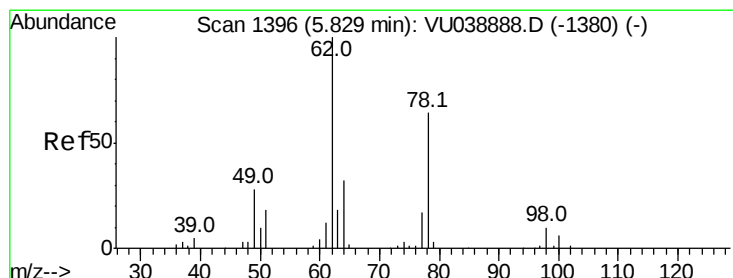
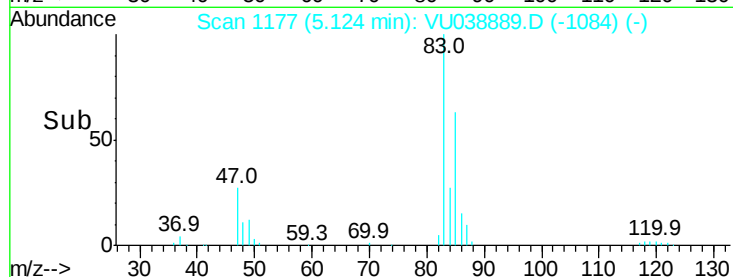
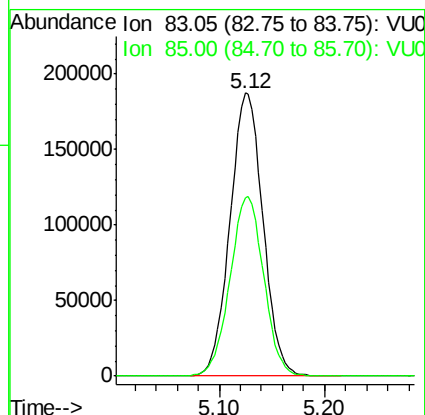
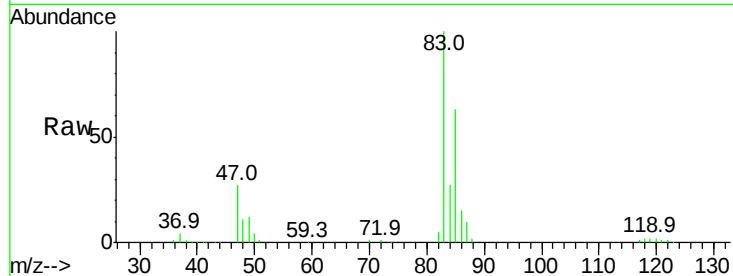




#25
Chloroform
Concen: 9.926 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

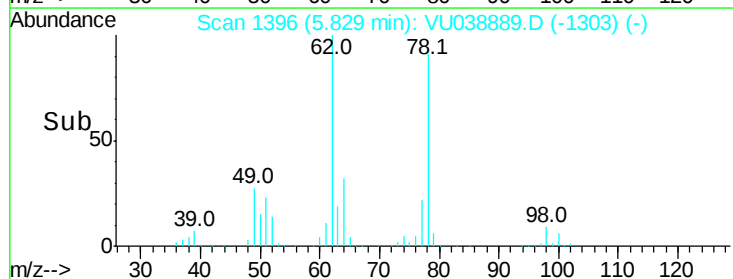
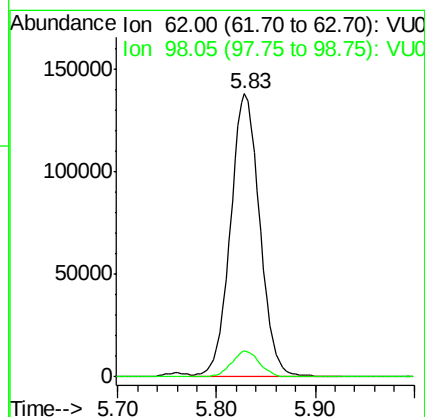
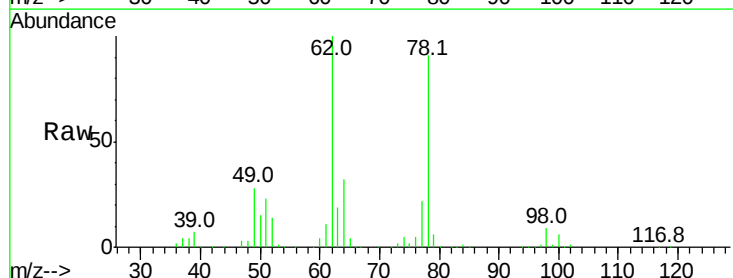
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

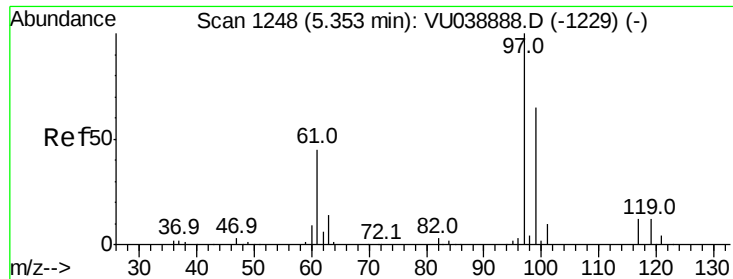
Tgt Ion: 83 Resp: 406143
Ion Ratio Lower Upper
83 100
85 63.2 45.8 85.2



#27
1,2-Dichloroethane
Concen: 9.980 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Tgt Ion: 62 Resp: 284716
Ion Ratio Lower Upper
62 100
98 9.1 8.2 12.4

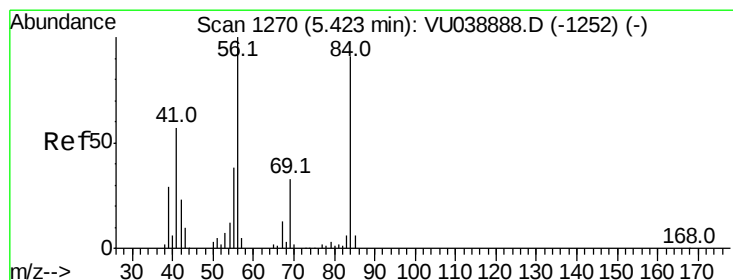
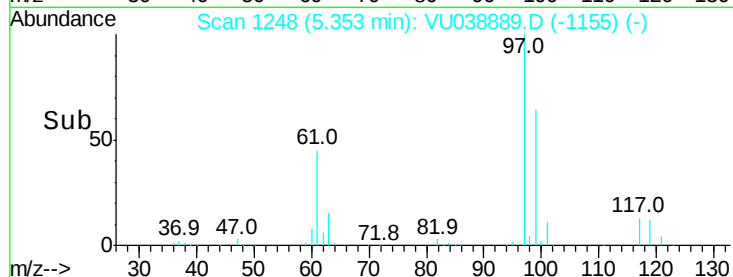
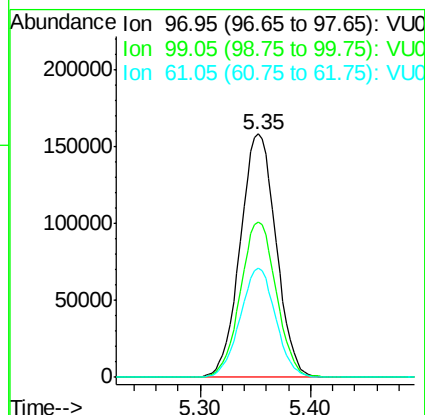
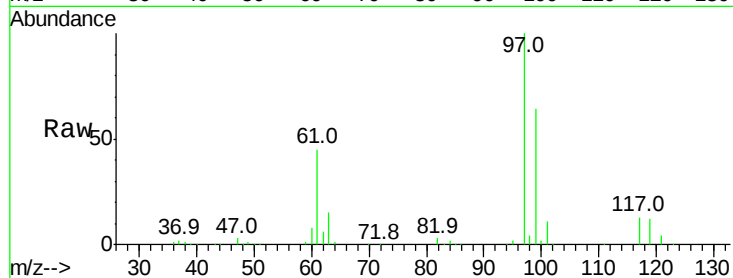




#29
 1,1,1-Trichloroethane
 Concen: 9.598 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

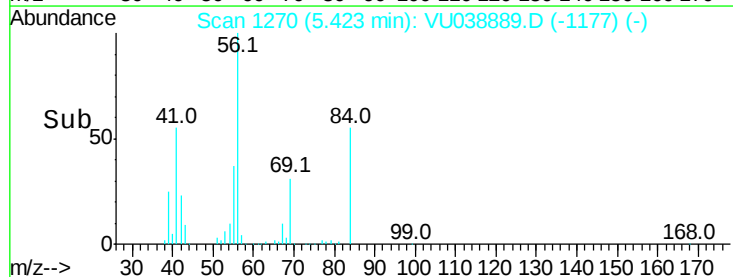
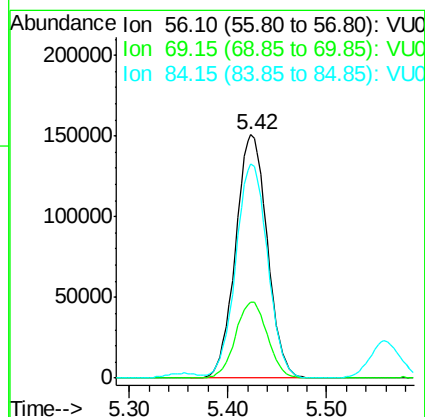
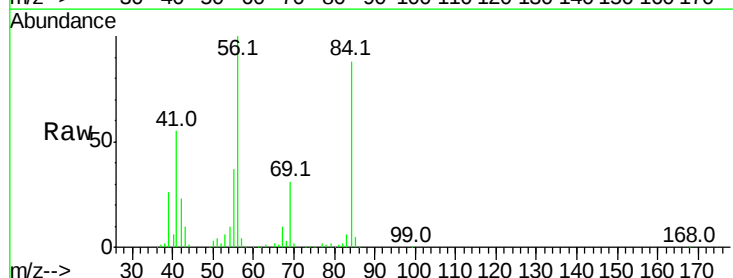
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

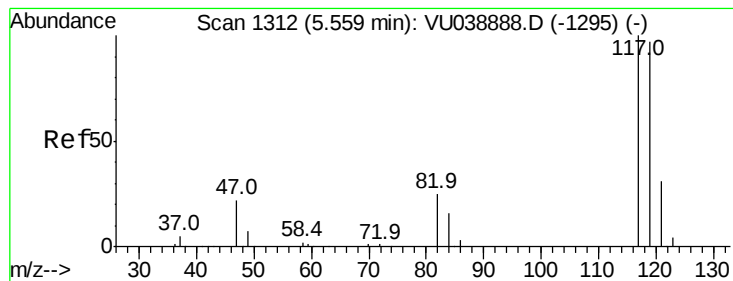
Tgt Ion: 97 Resp: 355987
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.2
 61 44.4 36.3 54.5



#30
 Cyclohexane
 Concen: 9.365 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion: 56 Resp: 336628
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.4 38.2
 84 88.0 72.1 108.1





#31

Carbon tetrachloride

Concen: 9.655 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

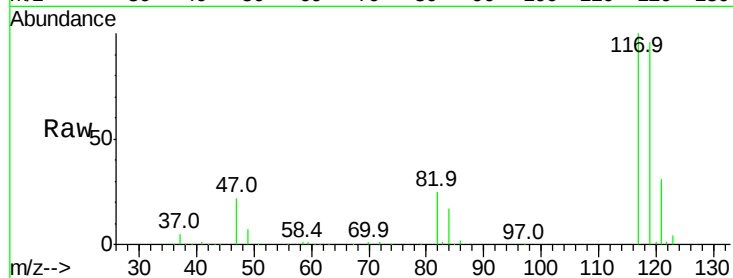
VSTD01006

Tgt Ion:117 Resp: 302293

Ion Ratio Lower Upper

117 100

119 95.6 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

150000

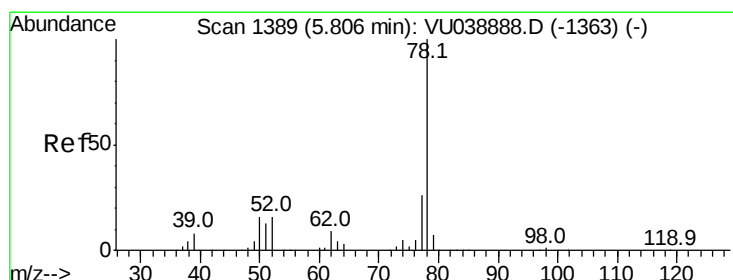
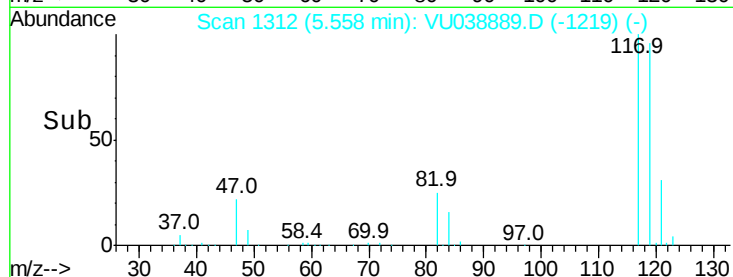
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 9.574 ug/L

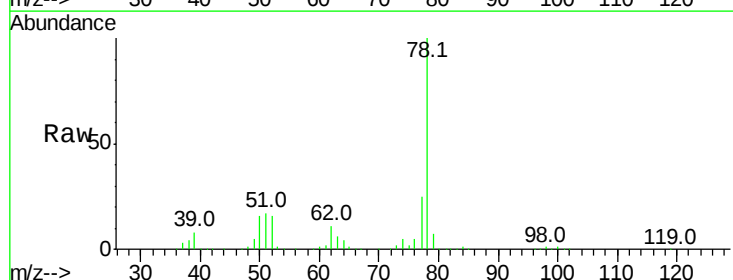
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Tgt Ion: 78 Resp: 869450



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

500000

400000

300000

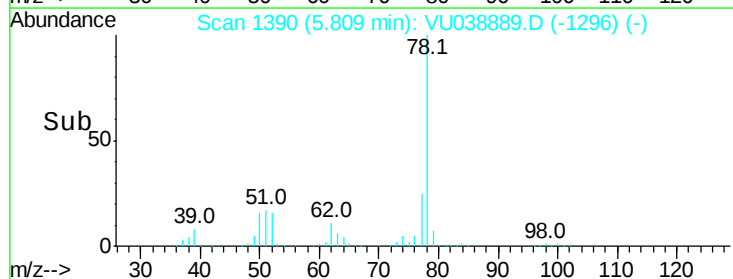
200000

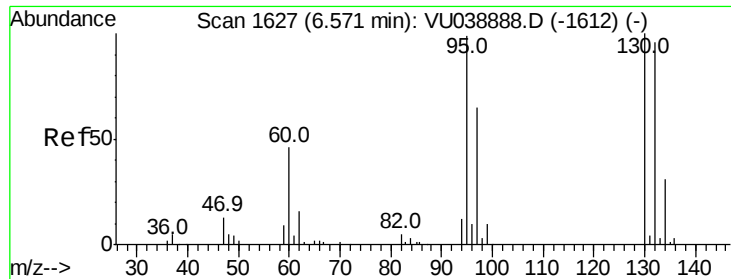
100000

0

Time-->

5.70 5.80 5.90 6.00

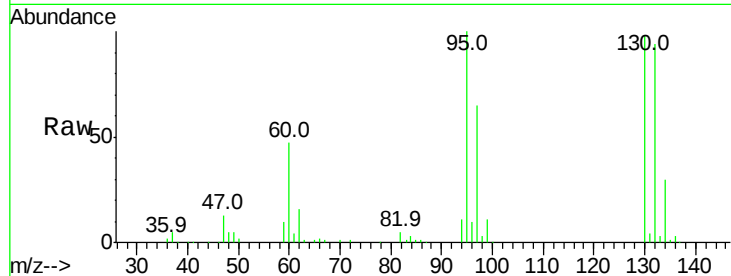




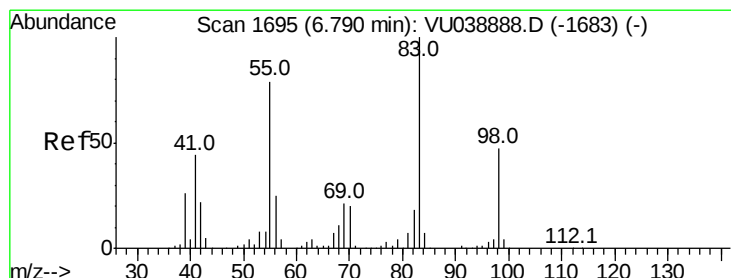
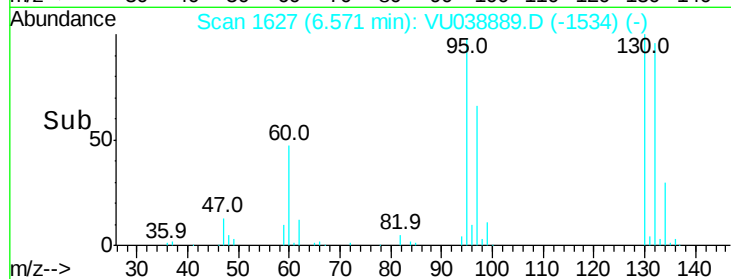
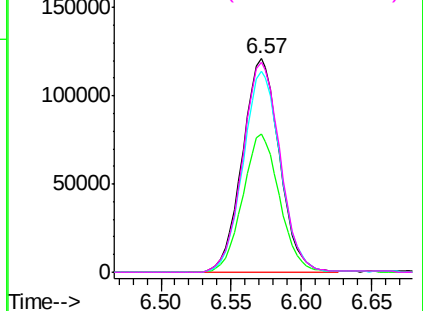
#34
 Trichloroethene
 Concen: 9.401 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion: 95 Resp: 222933
 Ion Ratio Lower Upper
 95 100
 97 64.6 46.1 85.5
 132 94.3 68.2 126.6
 130 98.1 71.0 131.9

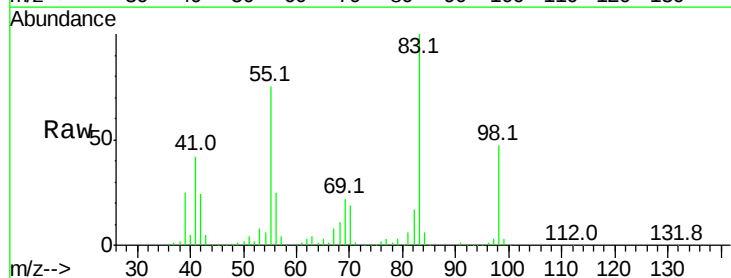


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

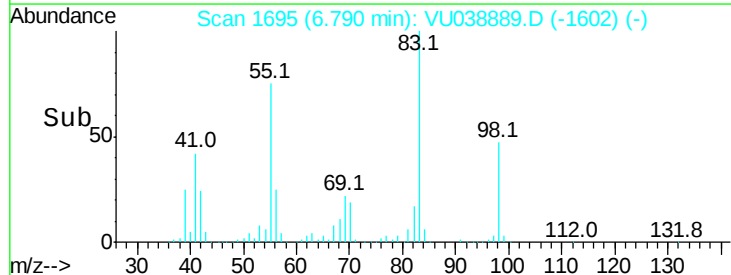
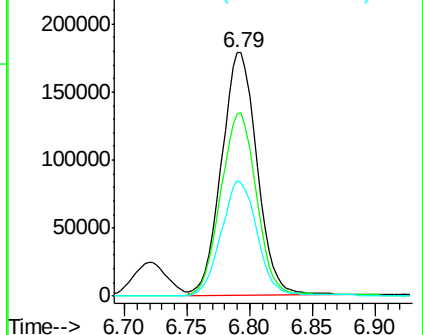


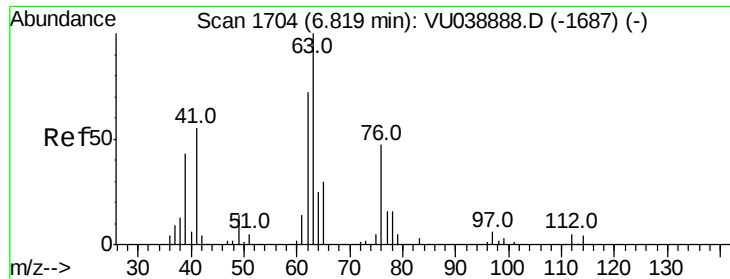
#35
 Methylcyclohexane
 Concen: 9.437 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion: 83 Resp: 347981
 Ion Ratio Lower Upper
 83 100
 55 77.2 63.6 95.4
 98 48.5 38.9 58.3



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

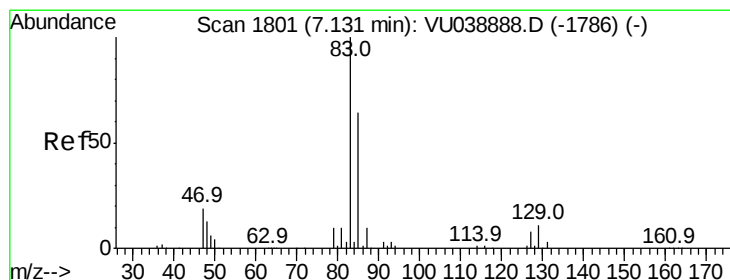
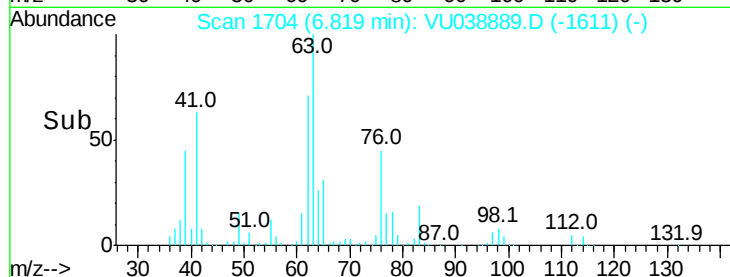
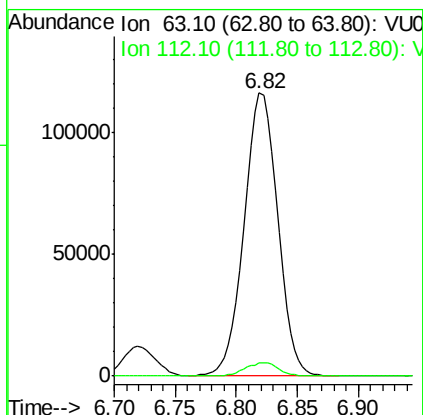
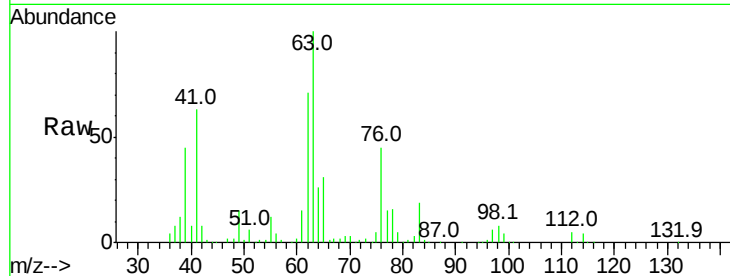




#37
 1,2-Dichloropropane
 Concen: 9.628 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

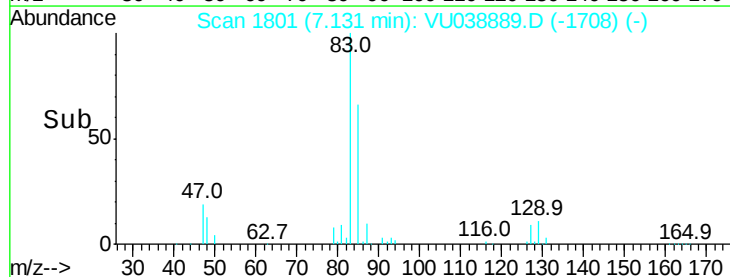
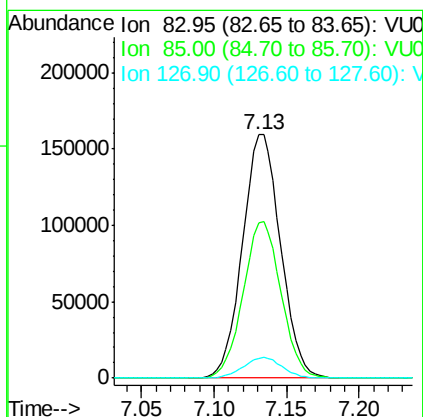
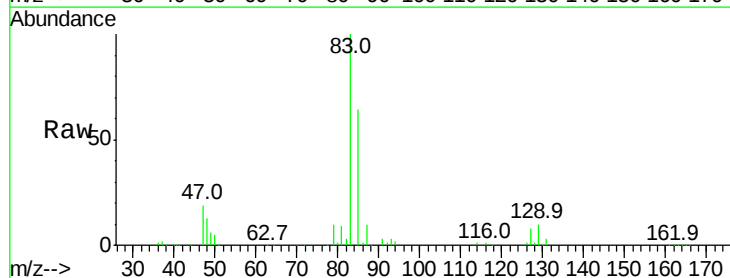
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

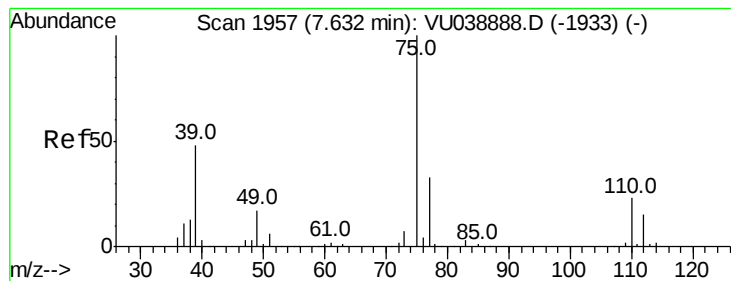
Tgt Ion: 63 Resp: 220267
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 9.804 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion: 83 Resp: 290968
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.8 83.2
 127 8.3 6.3 9.5



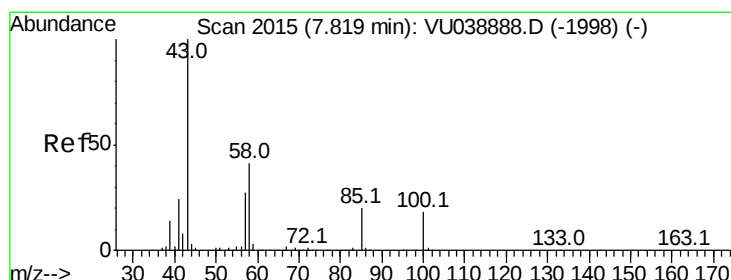
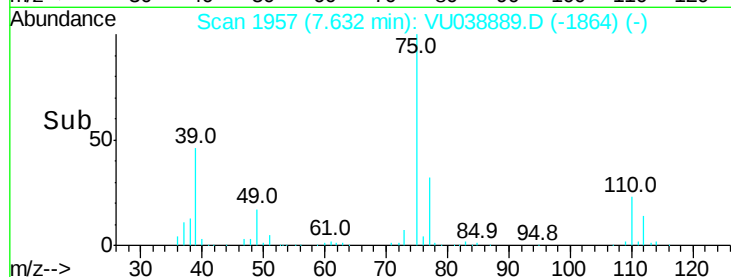
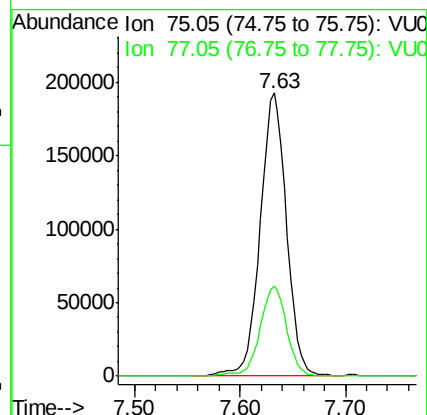
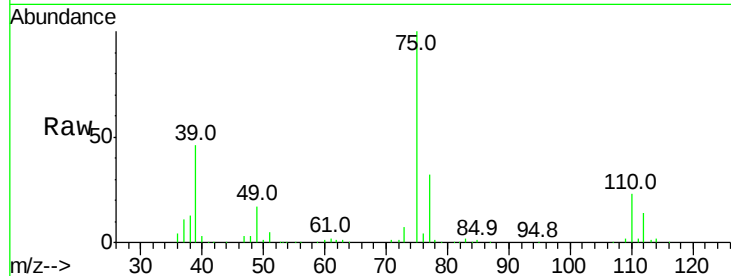


#39

cis-1,3-Dichloropropene
Concen: 9.906 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

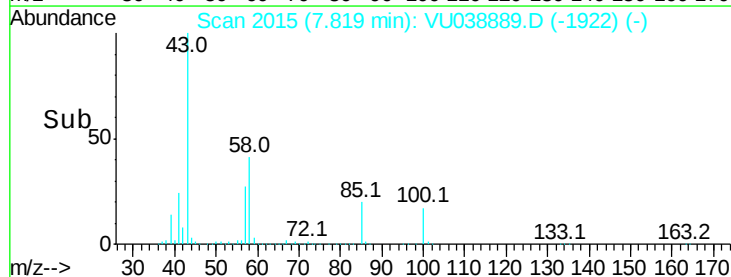
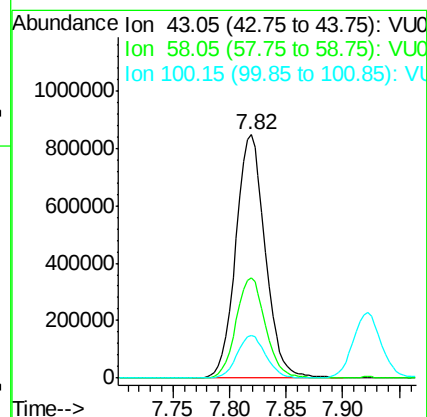
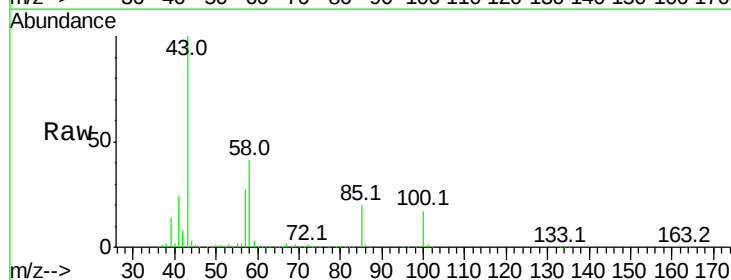
Tgt Ion: 75 Resp: 335922
Ion Ratio Lower Upper
75 100
77 31.6 23.0 42.6

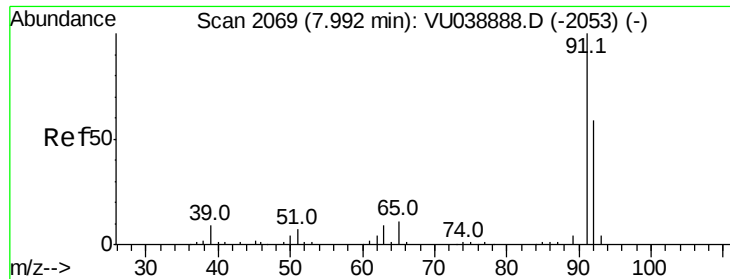


#40

4-Methyl-2-pentanone
Concen: 100.415 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Tgt Ion: 43 Resp: 1537382
Ion Ratio Lower Upper
43 100
58 41.1 32.6 49.0
100 17.2 13.8 20.6





#42

Toluene

Concen: 9.810 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

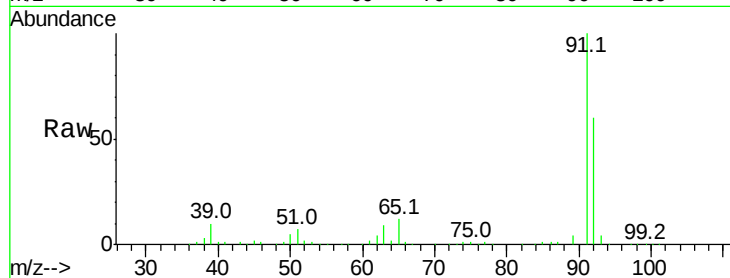
VSTD01006

Tgt Ion: 91 Resp: 940434

Ion Ratio Lower Upper

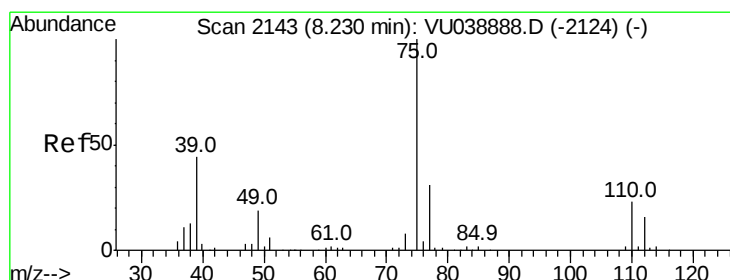
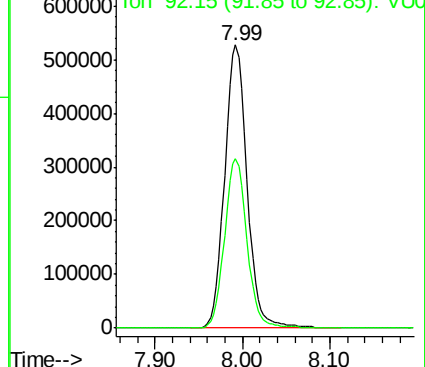
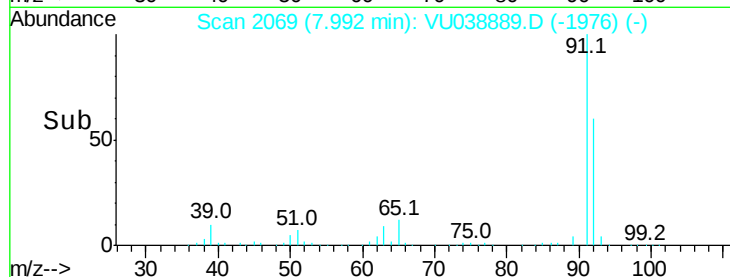
91 100

92 60.0 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VU038889.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038889.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.007 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038889.D

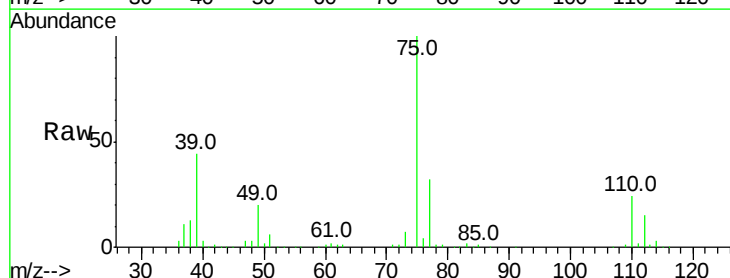
Acq: 15 Jun 2020 13:21

Tgt Ion: 75 Resp: 302237

Ion Ratio Lower Upper

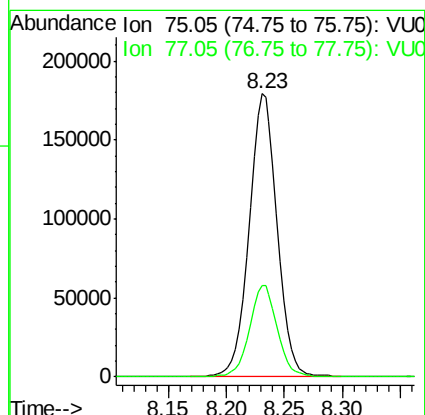
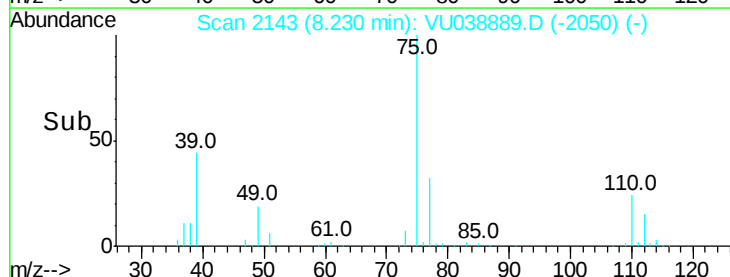
75 100

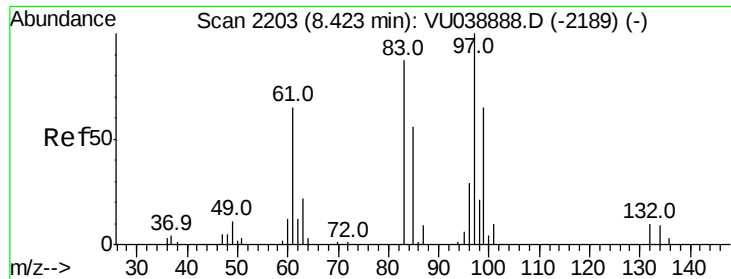
77 32.4 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038889.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU038889.D (-2050) (-)

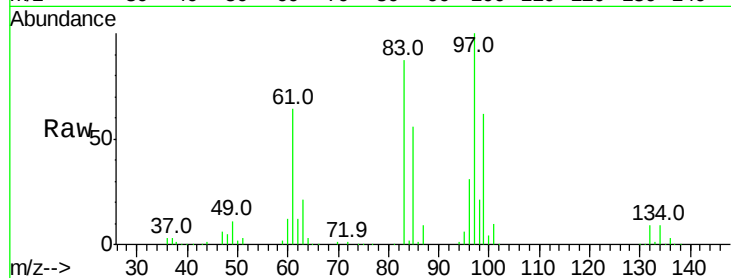




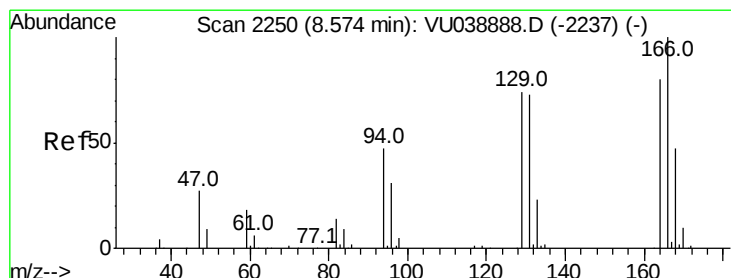
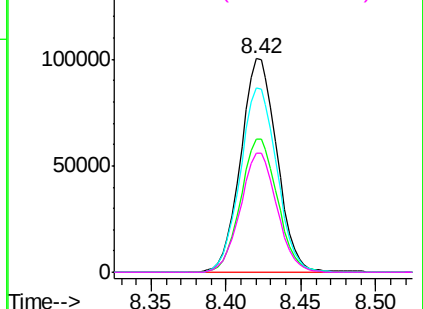
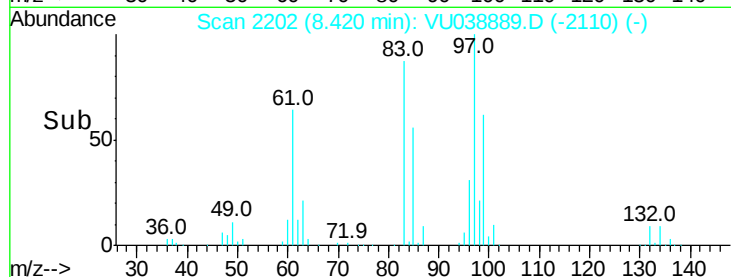
#45
 1,1,2-Trichloroethane
 Concen: 9.720 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:	97	Resp:	169584
Ion	Ratio	Lower	Upper
97	100		
99	62.3	45.4	84.2
83	86.5	60.6	112.6
85	55.7	39.0	72.4

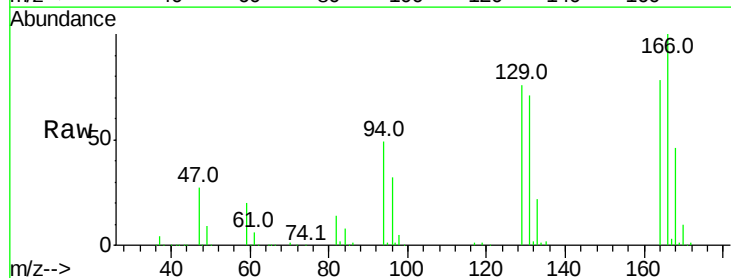


Abundance Ion 96.95 (96.65 to 97.65): VU038889.D (-2110) (-)
 Ion 99.05 (98.75 to 99.75): VU038889.D (-2110) (-)
 Ion 82.95 (82.65 to 83.65): VU038889.D (-2110) (-)
 Ion 85.00 (84.70 to 85.70): VU038889.D (-2110) (-)

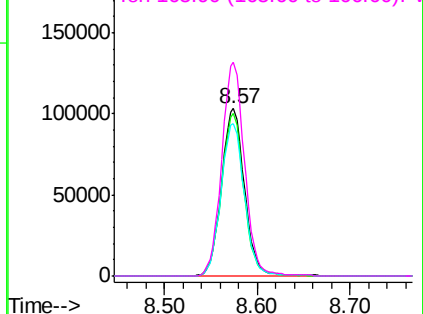
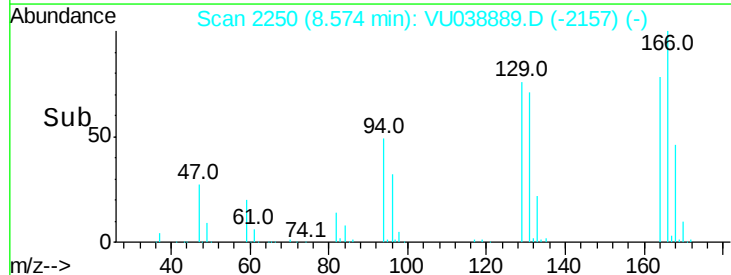


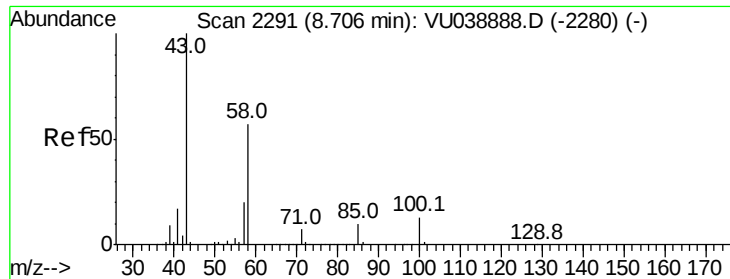
#47
 Tetrachloroethene
 Concen: 9.771 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion:	164	Resp:	178377
Ion	Ratio	Lower	Upper
164	100		
129	96.9	65.5	121.7
131	91.2	63.9	118.7
166	127.7	87.9	163.3



Abundance Ion 163.90 (163.60 to 164.60): VU038889.D (-2157) (-)
 Ion 128.95 (128.65 to 129.65): VU038889.D (-2157) (-)
 Ion 130.95 (130.65 to 131.65): VU038889.D (-2157) (-)
 Ion 165.90 (165.60 to 166.60): VU038889.D (-2157) (-)

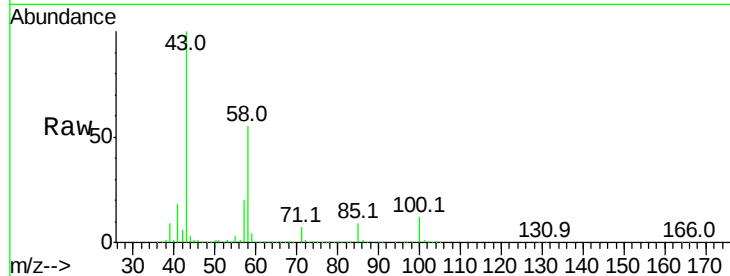




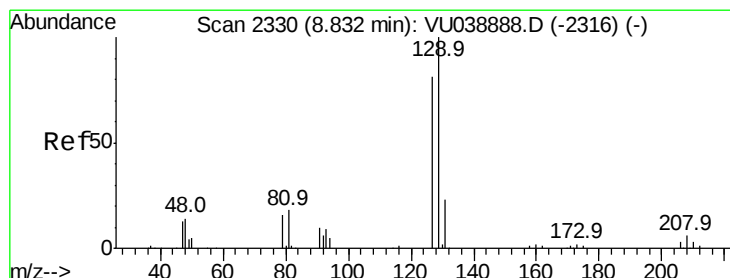
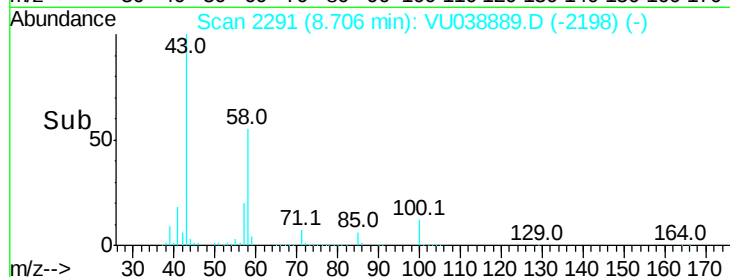
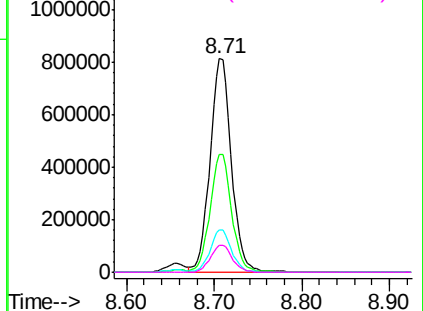
#48
2-Hexanone
Concen: 116.981 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion: 43 Resp: 1375835
Ion Ratio Lower Upper
43 100
58 55.7 45.4 68.2
57 19.8 16.4 24.6
100 12.8 10.6 15.8

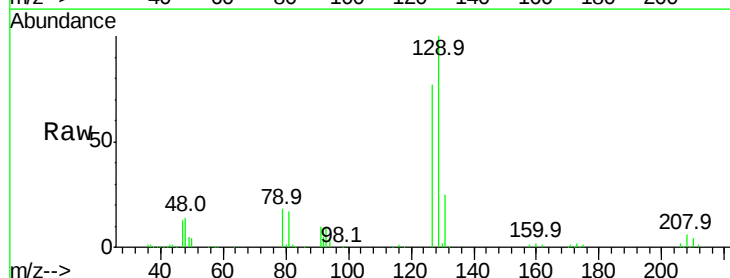


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

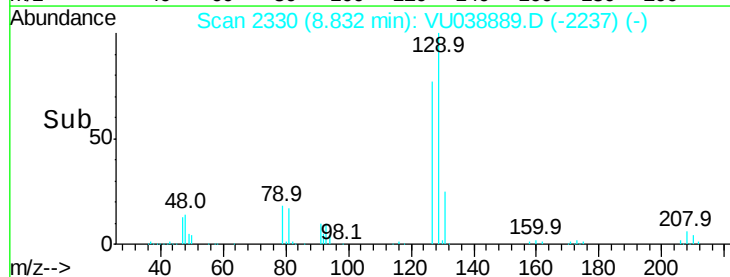
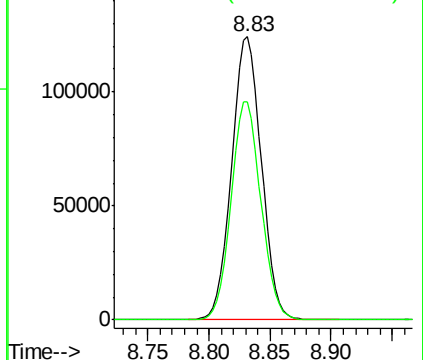


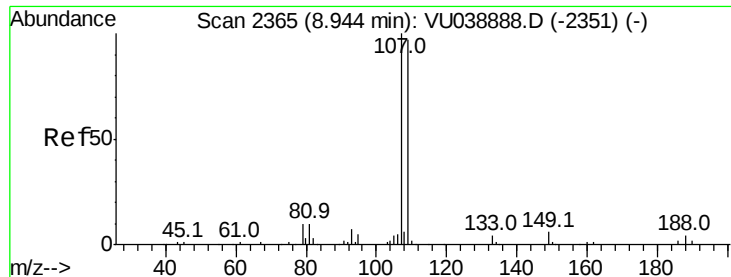
#49
Dibromochloromethane
Concen: 10.832 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Tgt Ion: 129 Resp: 210972
Ion Ratio Lower Upper
129 100
127 77.0 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

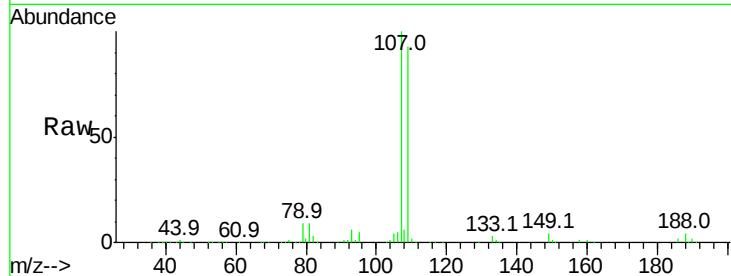




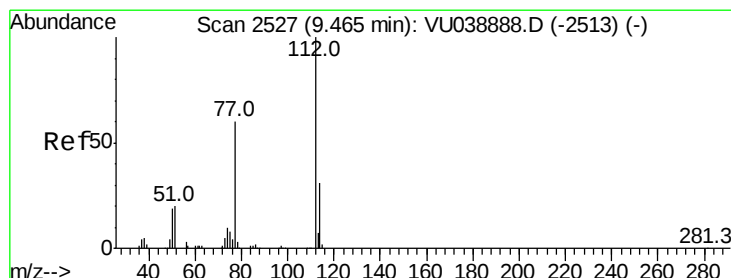
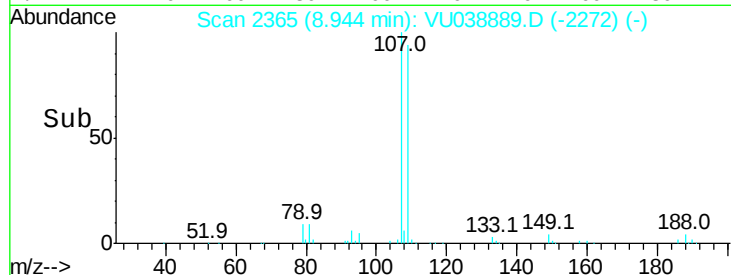
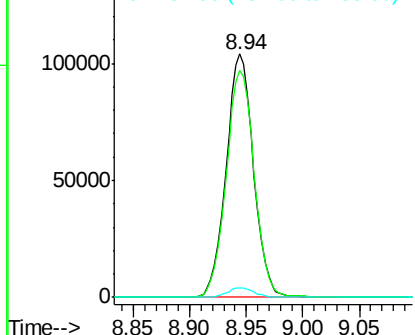
#50
1,2-Dibromoethane
Concen: 10.259 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion:107 Resp: 174716
Ion Ratio Lower Upper
107 100
109 93.4 67.5 125.4
188 3.8 2.9 4.3

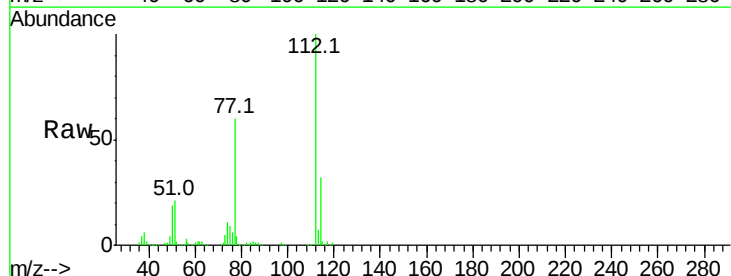


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

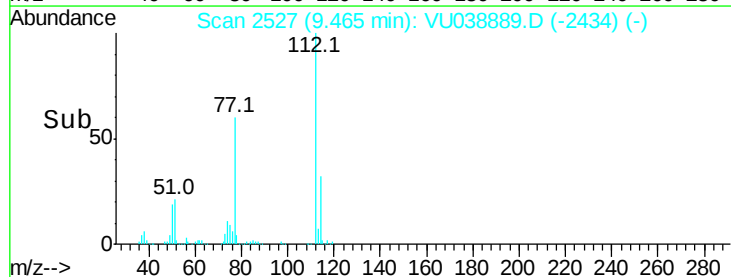
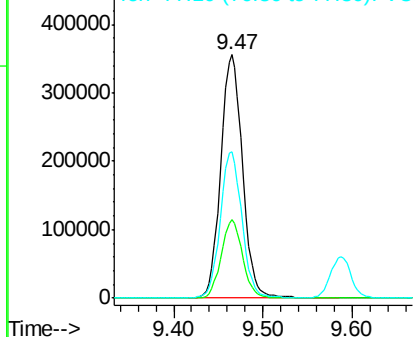


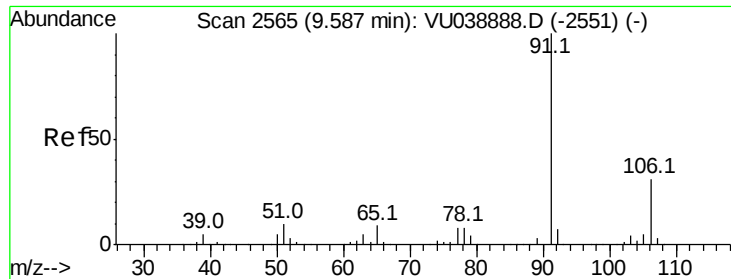
#51
Chlorobenzene
Concen: 9.736 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Tgt Ion:112 Resp: 601090
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.4
77 60.2 48.3 72.5



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

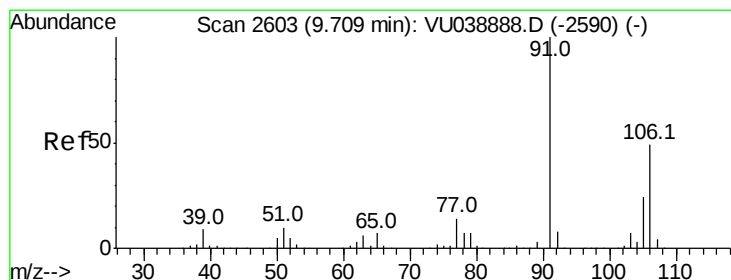
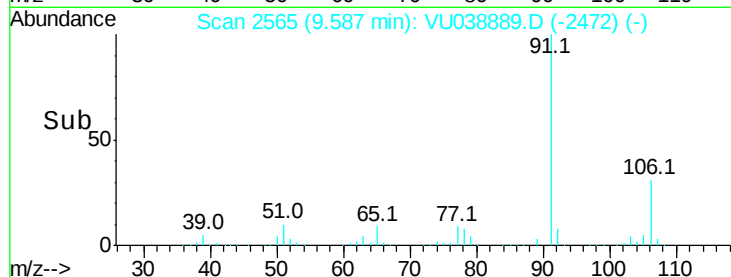
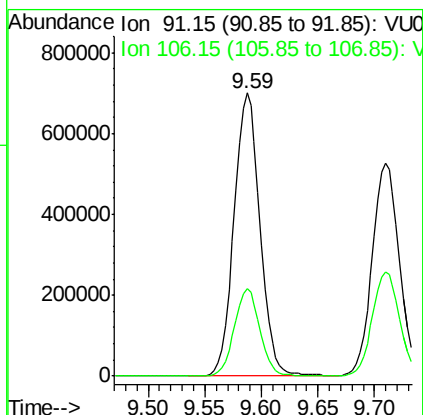
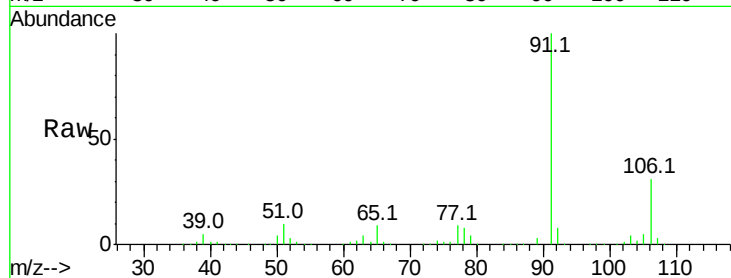




#52
Ethylbenzene
Concen: 10.607 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

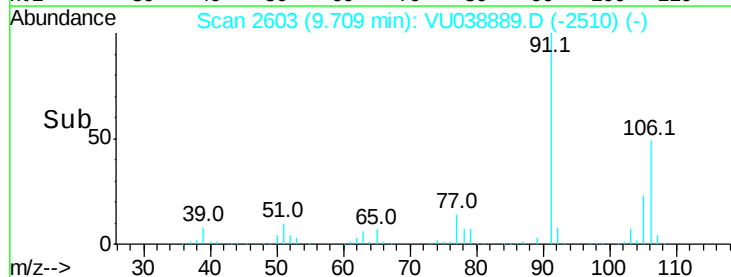
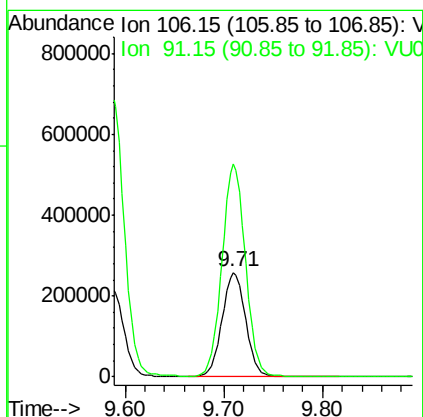
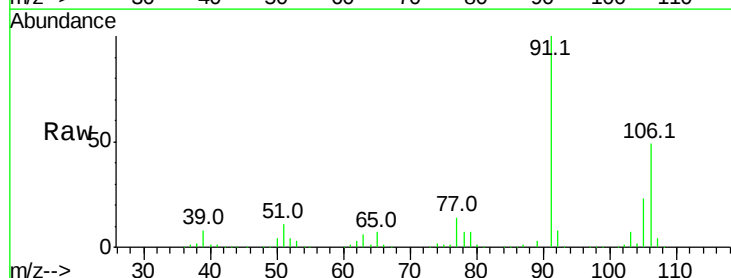
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

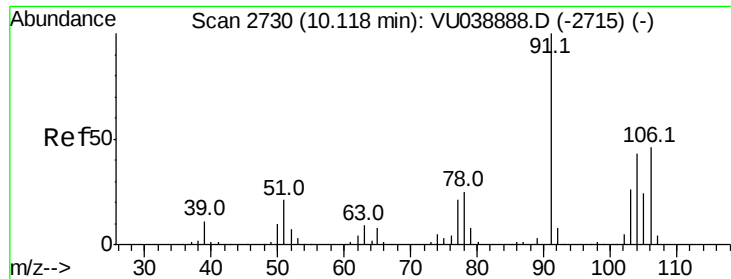
Tgt Ion: 91 Resp: 1120285
Ion Ratio Lower Upper
91 100
106 30.9 22.0 40.8



#53
m,p-Xylene
Concen: 10.900 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Tgt Ion: 106 Resp: 435013
Ion Ratio Lower Upper
106 100
91 204.4 143.1 265.7

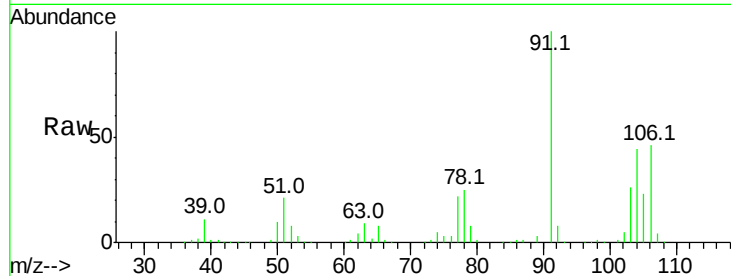




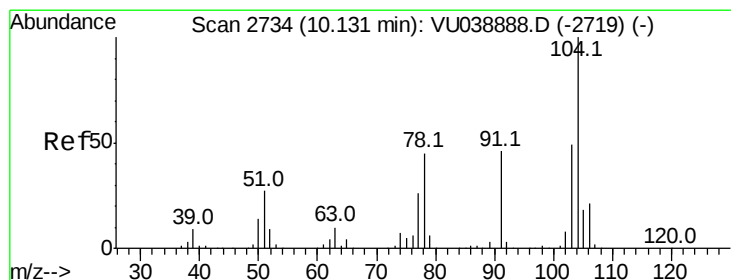
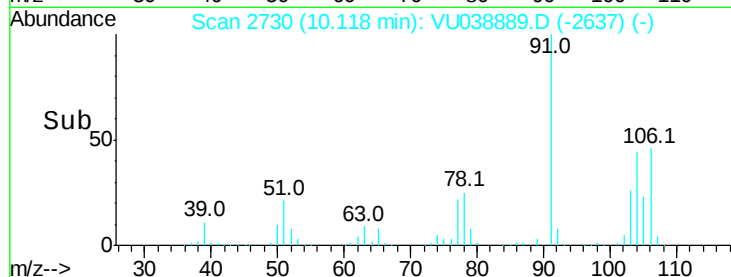
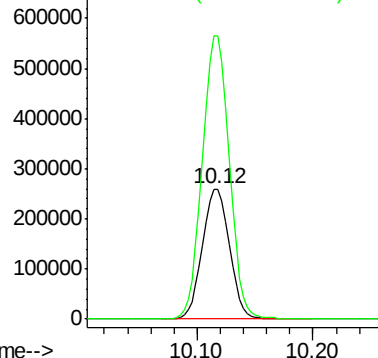
#54
o-Xylene
Concen: 10.960 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion:106 Resp: 419972
Ion Ratio Lower Upper
106 100
91 217.2 152.0 282.4

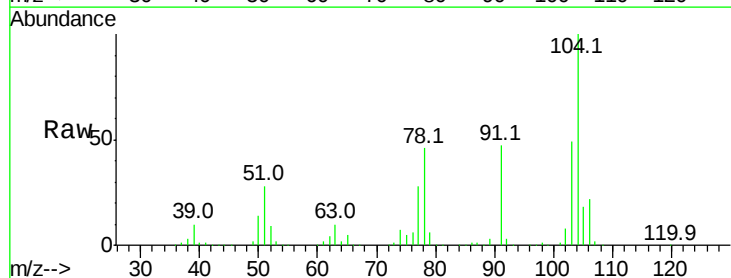


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

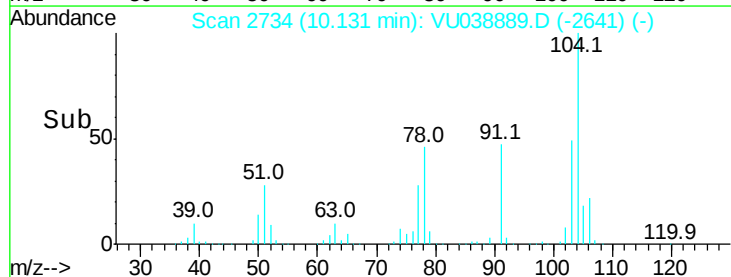
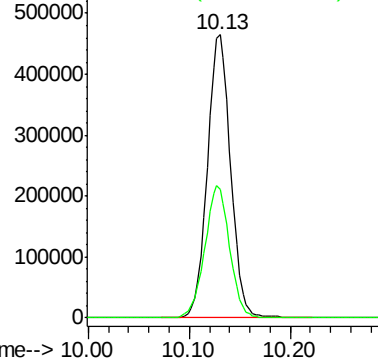


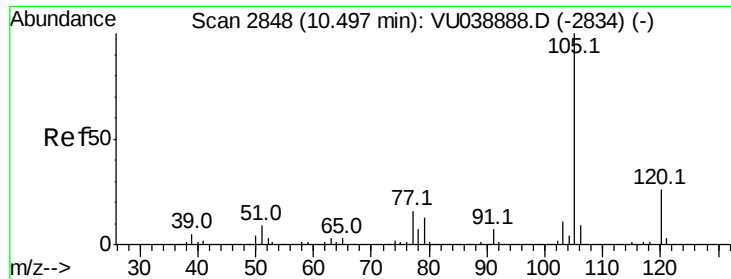
#55
Styrene
Concen: 11.285 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038889.D
Acq: 15 Jun 2020 13:21

Tgt Ion:104 Resp: 744142
Ion Ratio Lower Upper
104 100
78 45.6 31.8 59.0



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





#56

Isopropylbenzene

Concen: 10.026 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

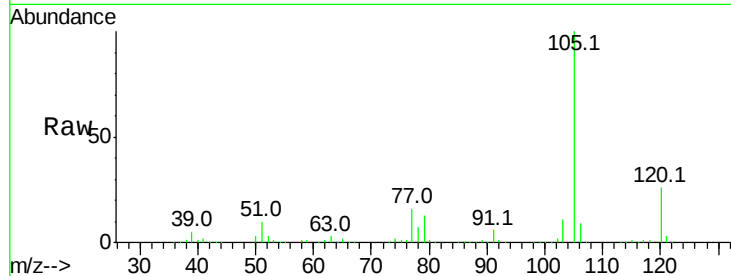
Tgt Ion:105 Resp: 1026961

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

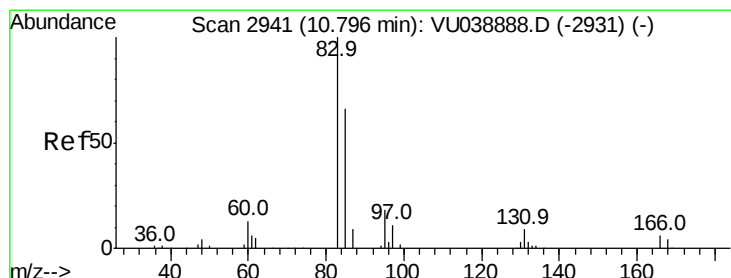
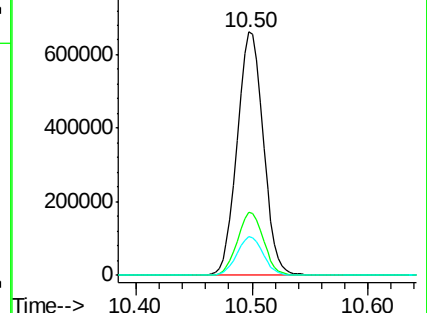
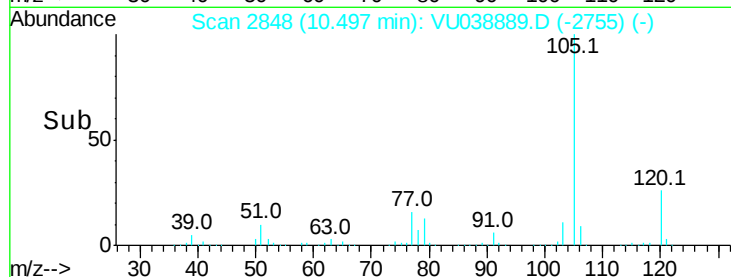
77 15.9 12.6 19.0



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: 9.917 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

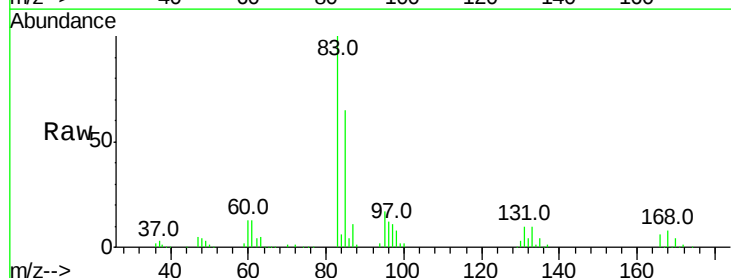
Tgt Ion: 83 Resp: 215146

Ion Ratio Lower Upper

83 100

85 65.0 46.3 85.9

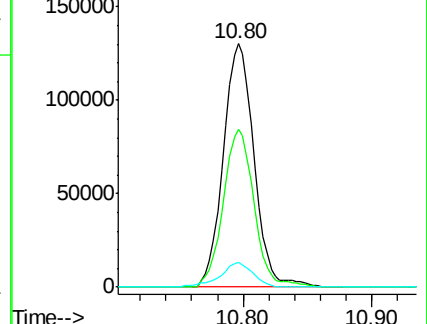
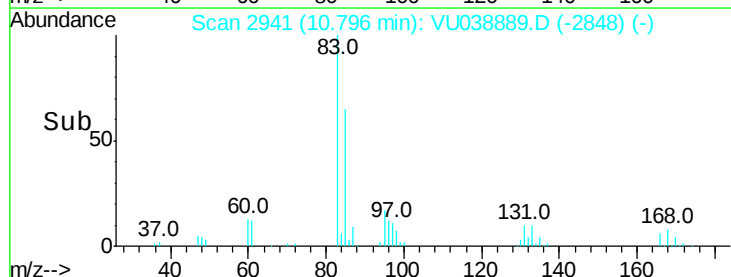
131 10.0 8.3 12.5

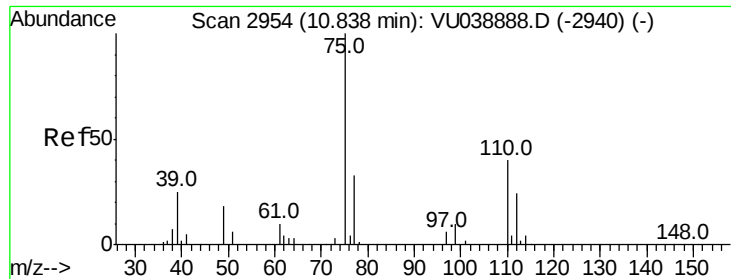


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

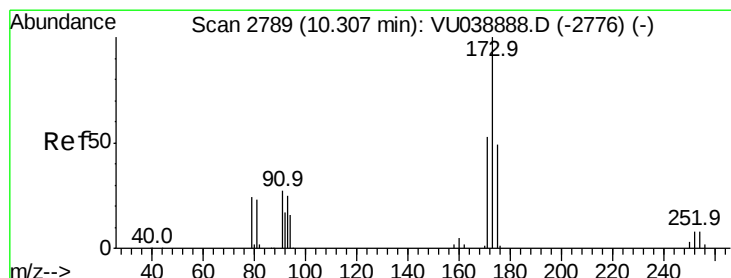
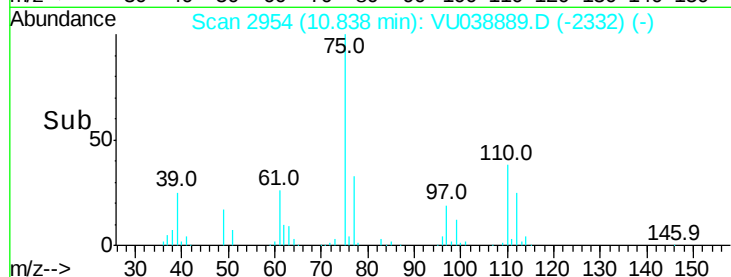
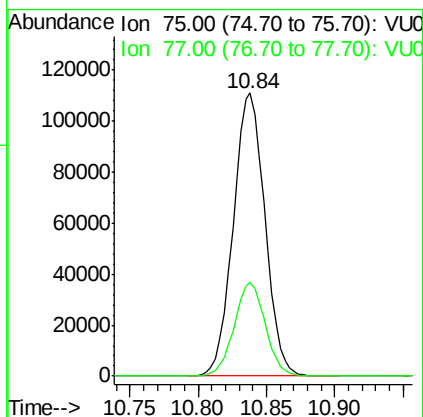
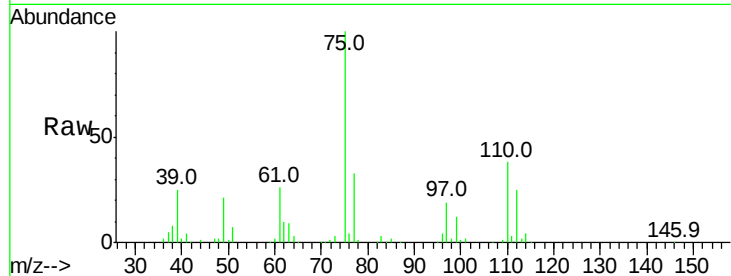




#59
 1,2,3-Trichloropropane
 Concen: 10.550 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

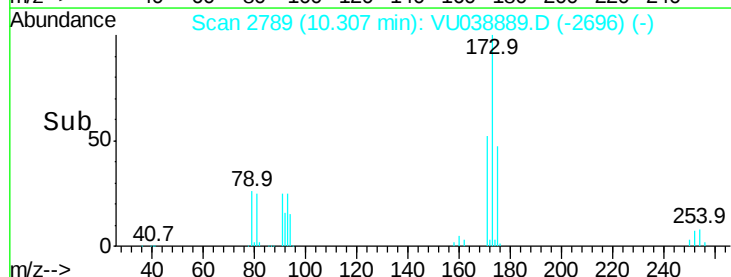
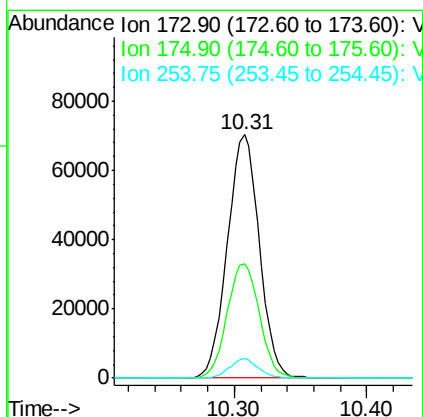
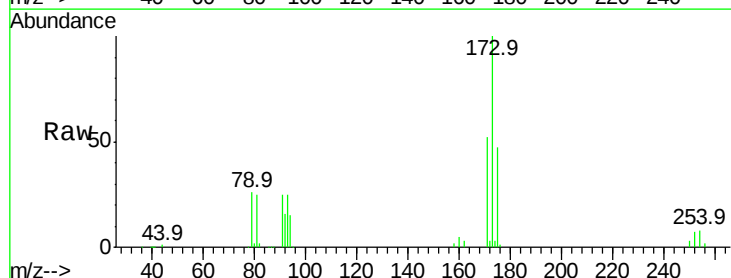
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

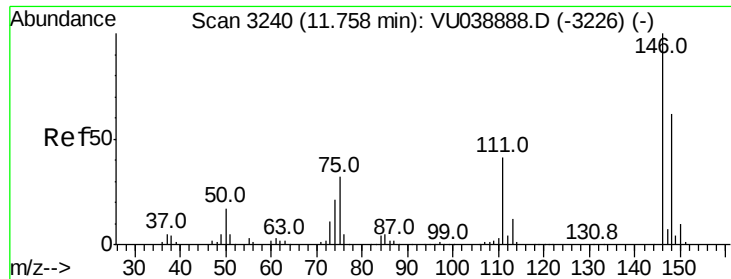
Tgt Ion: 75 Resp: 179045
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9



#61
 Bromoform
 Concen: 10.272 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion: 173 Resp: 117722
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.0 58.4
 254 7.2 6.0 9.0

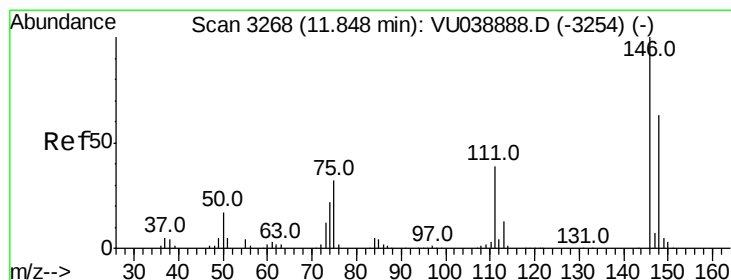
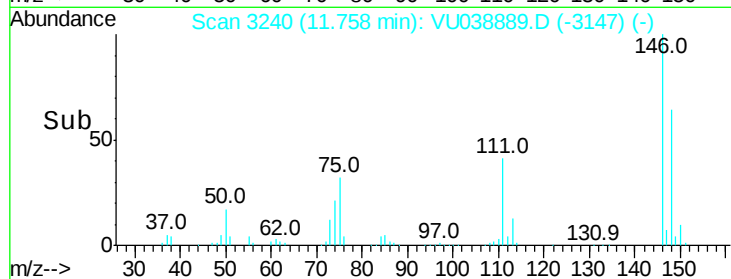
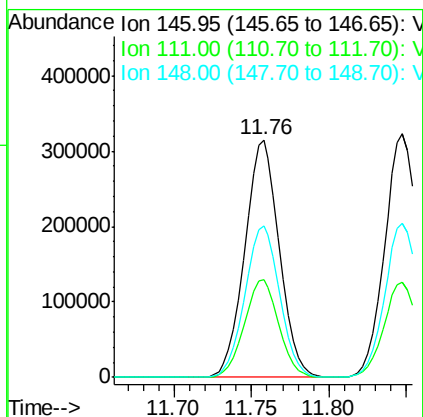
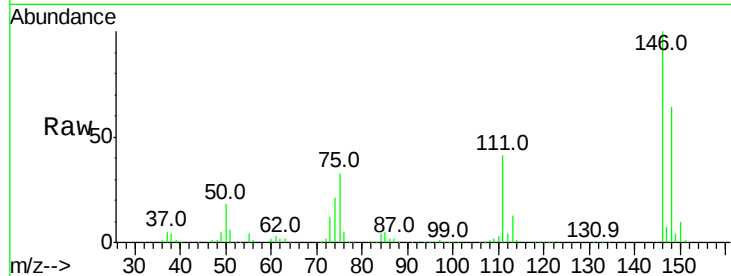




#62
 1,3-Dichlorobenzene
 Concen: 9.480 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

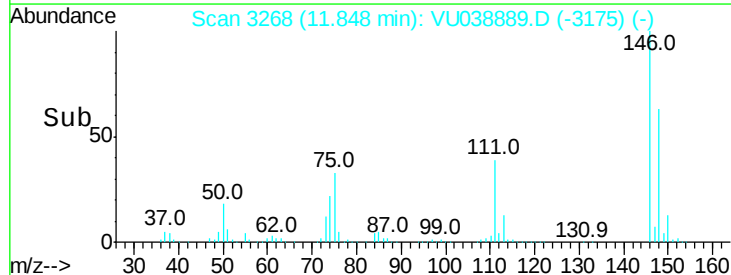
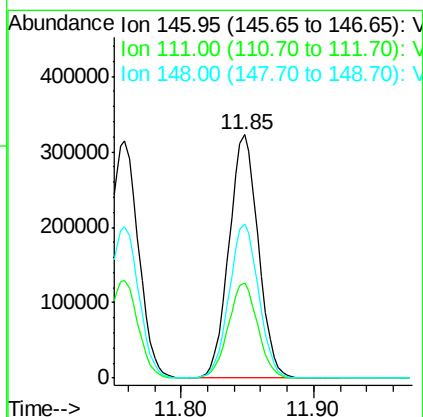
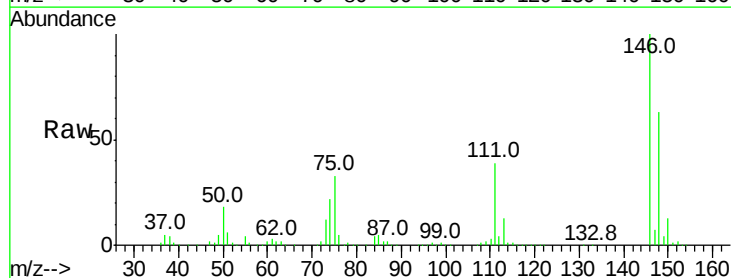
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

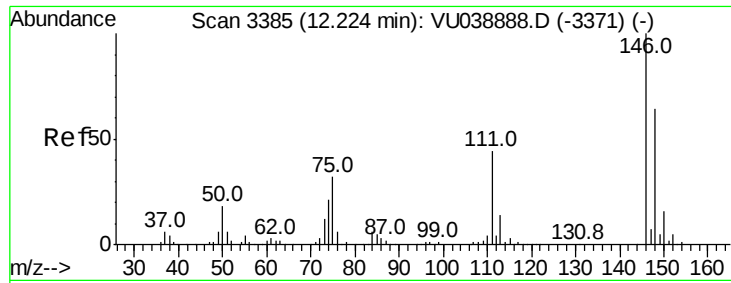
Tgt Ion:146 Resp: 487038
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.0 53.8
 148 63.9 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 9.433 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion:146 Resp: 494305
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.7 51.5
 148 63.3 44.1 81.9

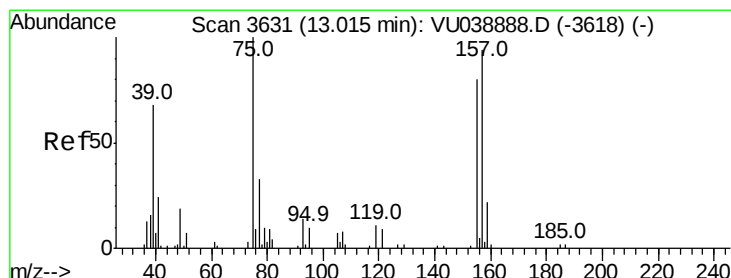
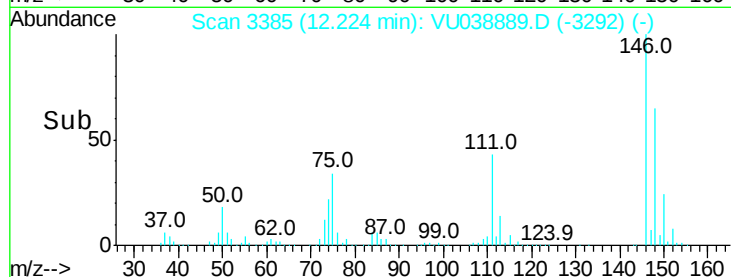
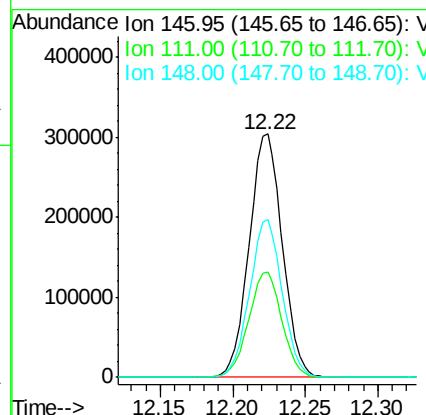
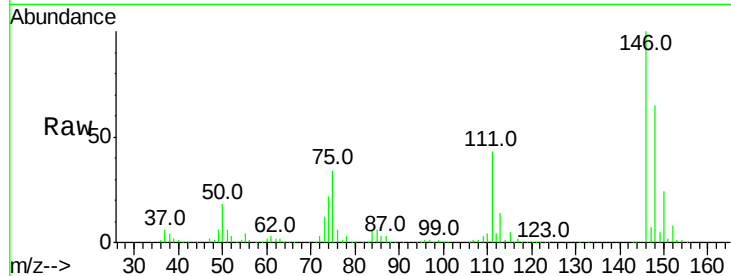




#65
 1,2-Dichlorobenzene
 Concen: 10.008 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

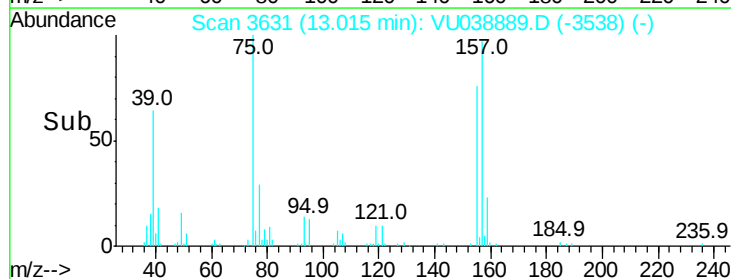
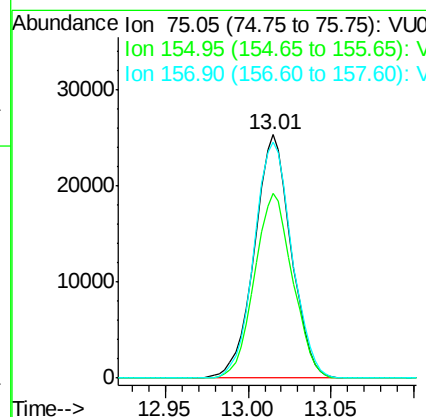
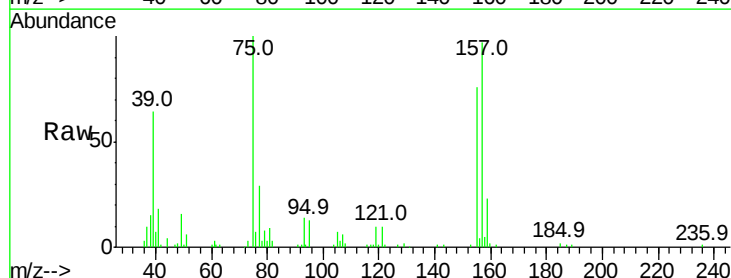
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

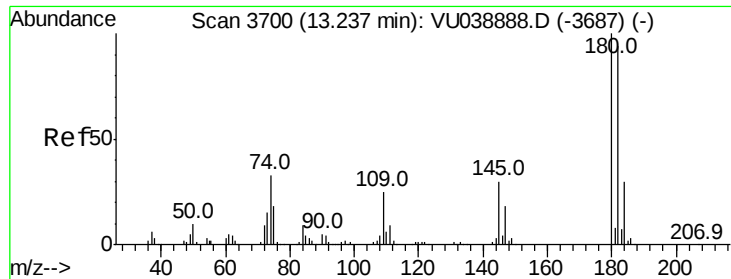
Tgt Ion:146 Resp: 483648
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.1 52.7
 148 64.7 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.917 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion: 75 Resp: 38871
 Ion Ratio Lower Upper
 75 100
 155 76.0 64.0 96.0
 157 96.9 75.4 113.2

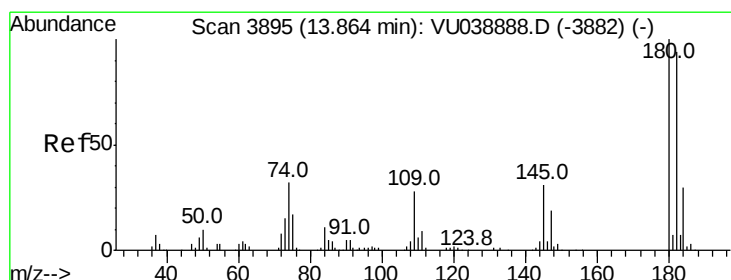
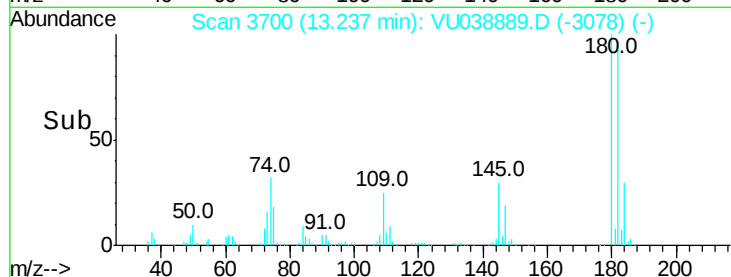
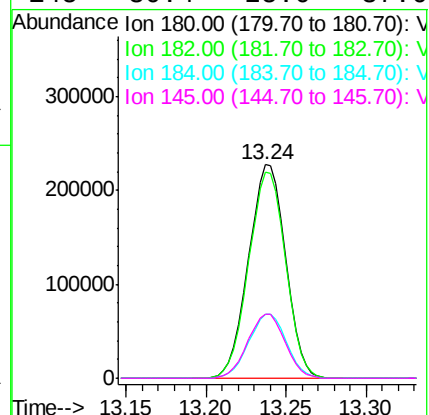
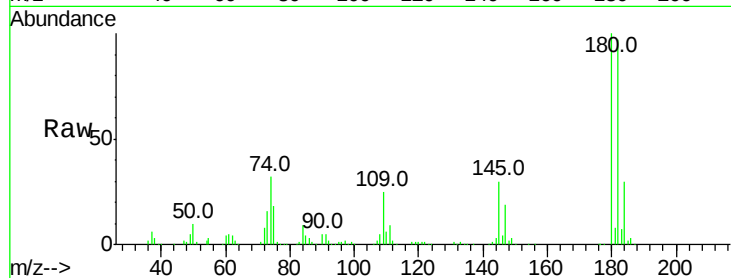




#67
 1,3,5-Trichlorobenzene
 Concen: 9.582 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

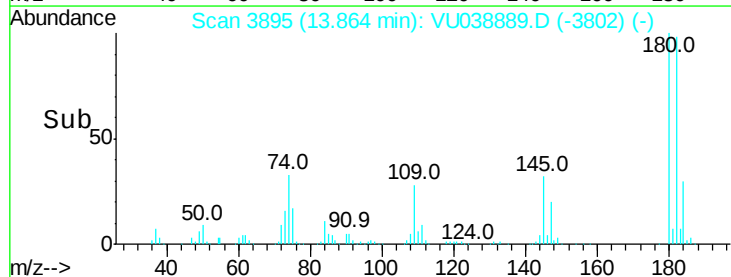
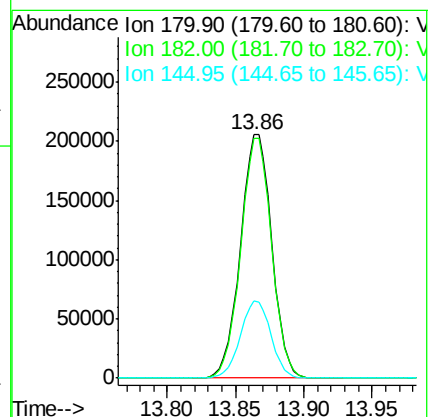
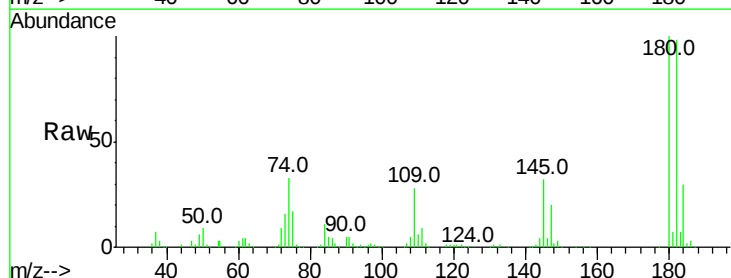
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

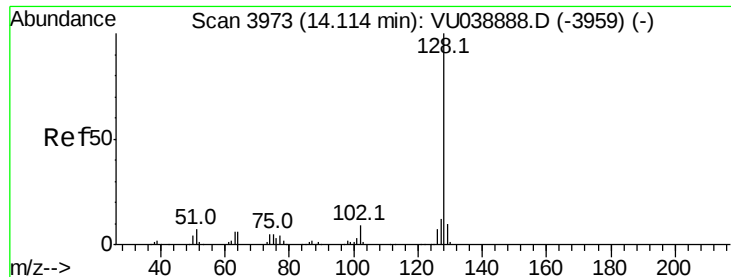
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.6
184	30.6	24.6	36.8
145	30.4	25.0	37.6



#68
 1,2,4-trichlorobenzene
 Concen: 9.826 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU038889.D
 Acq: 15 Jun 2020 13:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.9	113.9
145	31.1	24.7	37.1





#69

Naphthalene

Concen: 10.372 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

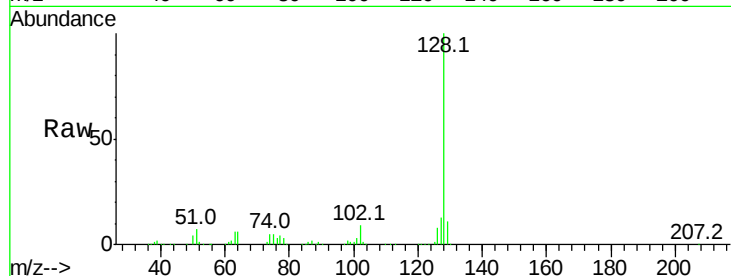
Tgt Ion:128 Resp: 655686

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

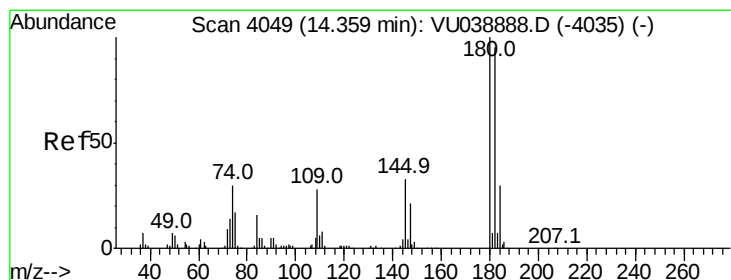
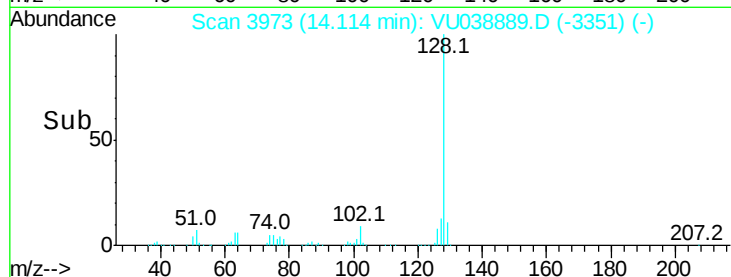
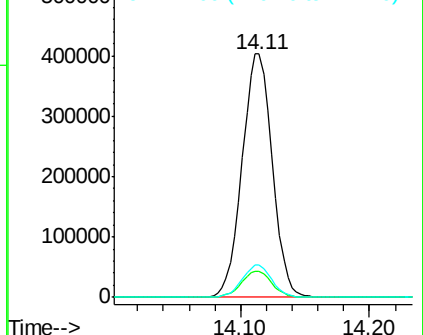
127 13.0 10.1 15.1



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: 10.139 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038889.D

Acq: 15 Jun 2020 13:21

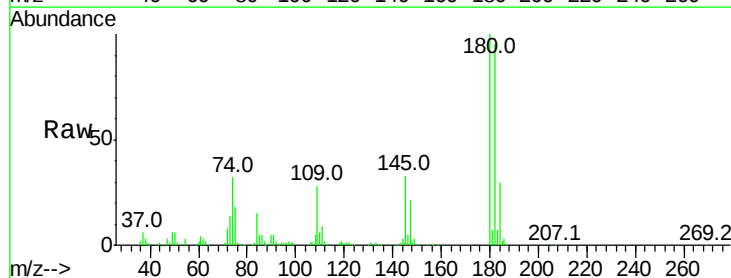
Tgt Ion:180 Resp: 308641

Ion Ratio Lower Upper

180 100

182 96.0 75.1 112.7

145 33.9 26.8 40.2



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

