

Data File : VU037822.D
Acq On : 21 Apr 2020 13:24
Operator : JC/MD
Sample : VSTD100
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Quant Time: Apr 21 13:58:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:31:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	504547	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	495842	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	252976	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	446353	101.20	ug/L	0.00
7) Chloroethane-d5	1.93	69	362178	101.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	743746	103.47	ug/L	0.00
21) 2-Butanone-d5	4.66	46	747704	209.23	ug/L	0.00
24) Chloroform-d	5.10	84	731168	110.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	497030	110.38	ug/L	0.00
32) Benzene-d6	5.76	84	1519436	104.16	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	509288	104.88	ug/L	0.00
41) Toluene-d8	7.92	98	1398793	103.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	258223	98.37	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	552476	198.73	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	719144	104.85	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	515730	97.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	410450	103.849 ug/L	99
3) Chloromethane	1.54	50	433479	93.777 ug/L	99
5) Vinyl chloride	1.62	62	491010	101.505 ug/L	98
6) Bromomethane	1.86	94	203386	79.888 ug/L	100
8) Chloroethane	1.95	64	281679	98.088 ug/L	100
9) Trichlorofluoromethane	2.16	101	534929	102.400 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	311318	97.883 ug/L	99
12) 1,1-Dichloroethene	2.60	96	308933	95.781 ug/L	96
13) Acetone	2.66	43	434771	205.996 ug/L	98
14) Carbon disulfide	2.82	76	1028418	93.077 ug/L	99
15) Methyl Acetate	2.98	43	510313	101.675 ug/L	100
16) Methylene chloride	3.08	84	362643	98.415 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	339847	98.216 ug/L	96
18) Methyl tert-butyl Ether	3.40	73	1221121	102.231 ug/L	100
19) 1,1-Dichloroethane	3.91	63	702590	103.571 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	379917	99.857 ug/L	100
22) 2-Butanone	4.75	43	755039	204.389 ug/L	100
23) Bromochloromethane	5.02	128	184384	99.440 ug/L	98
25) Chloroform	5.13	83	658333	103.139 ug/L	97
27) 1,2-Dichloroethane	5.83	62	568515	107.686 ug/L	99
29) Cyclohexane	5.42	56	689111	101.063 ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	567567	100.987 ug/L	99
31) Carbon tetrachloride	5.56	117	460623	100.961 ug/L	99
33) Benzene	5.81	78	1505634	99.780 ug/L	100
34) Trichloroethene	6.57	95	369448	99.459 ug/L	99
35) Methylcyclohexane	6.79	83	644092	97.724 ug/L	99
37) 1,2-Dichloropropane	6.82	63	427996	103.225 ug/L	100
38) Bromodichloromethane	7.13	83	519499	101.780 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	688234	101.413 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1476544	200.516 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	1597507	99.661	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	655996	99.721	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	367005	99.203	ug/L	99
46) Tetrachloroethene	8.57	164	267977	96.961	ug/L	99
48) 2-Hexanone	8.71	43	1145123	196.943	ug/L	100
49) Dibromochloromethane	8.83	129	391840	98.771	ug/L	99
50) 1,2-Dibromoethane	8.94	107	394859	98.646	ug/L	99
51) Chlorobenzene	9.47	112	992457	99.142	ug/L	98
52) Ethylbenzene	9.59	91	1814209	100.948	ug/L	99
53) m,p-Xylene	9.71	106	683902	100.221	ug/L	99
54) o-xylene	10.12	106	673634	99.534	ug/L	100
55) Styrene	10.13	104	1178599	100.438	ug/L	100
56) Isopropylbenzene	10.50	105	1783299	101.197	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	672224	101.760	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	569304	101.072	ug/L	100
61) Bromoform	10.31	173	300743	93.804	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	786352	96.570	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	795614	97.384	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	777386	96.872	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	177417	95.439	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	580962	97.577	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	554575	96.571	ug/L	99
69) Naphthalene	14.11	128	1947544	91.913	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	549672	96.067	ug/L	99

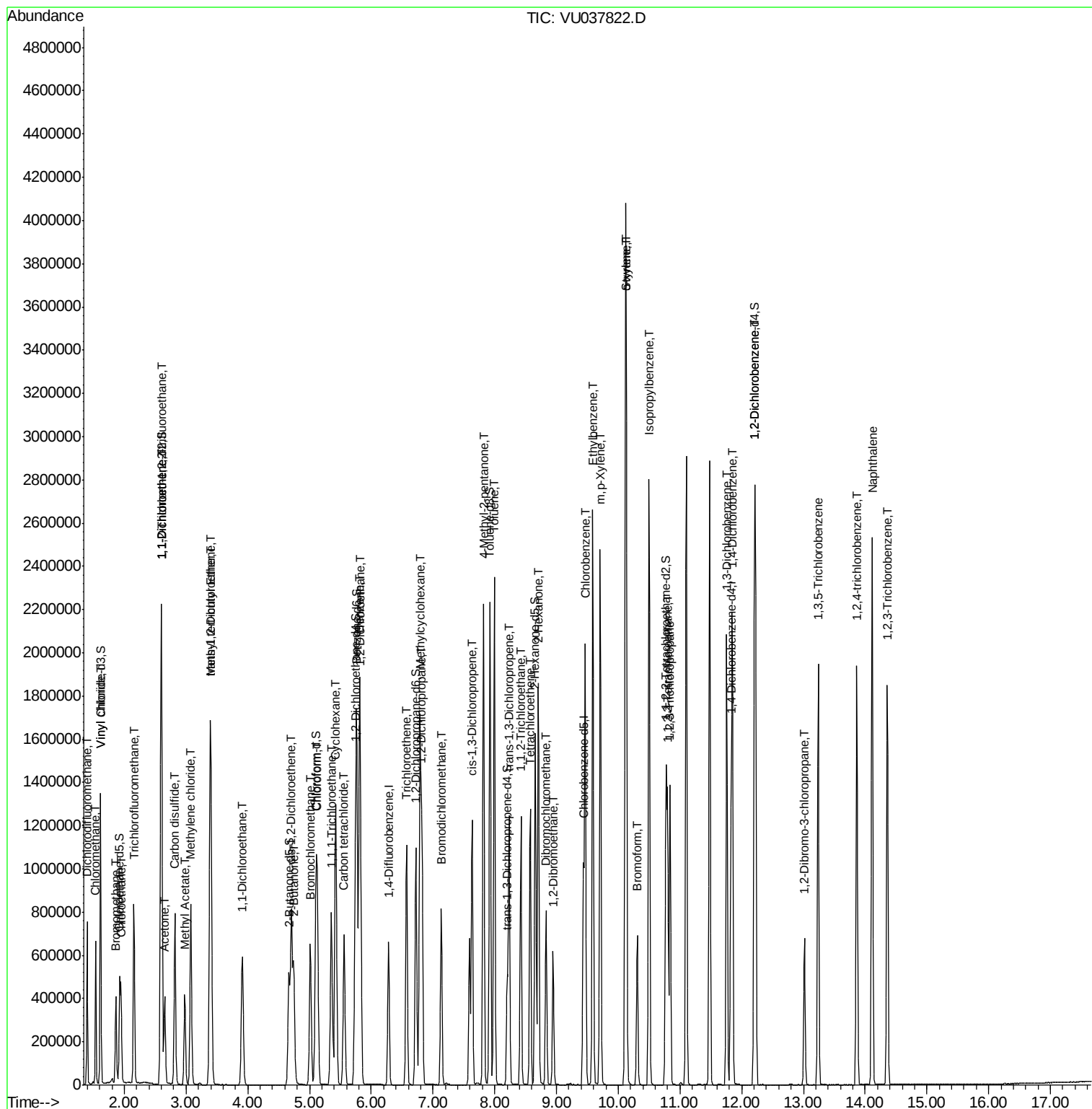
(#) = qualifier out of range (m) = manual integration (+) = signals summed

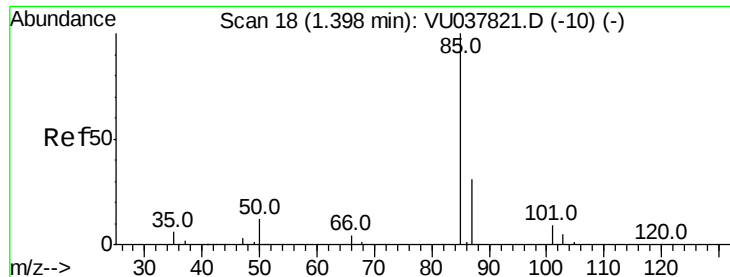
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#2

Dichlorodifluoromethane

Concen: 103.849 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

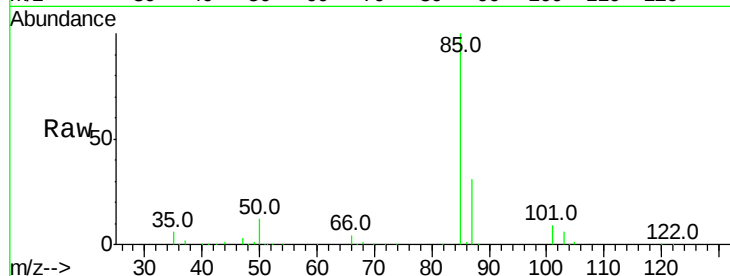
VSTD10035

Tgt Ion: 85 Resp: 410450

Ion Ratio Lower Upper

85 100

87 31.8 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU037822.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037822.D (-10) (-)

1.40

400000

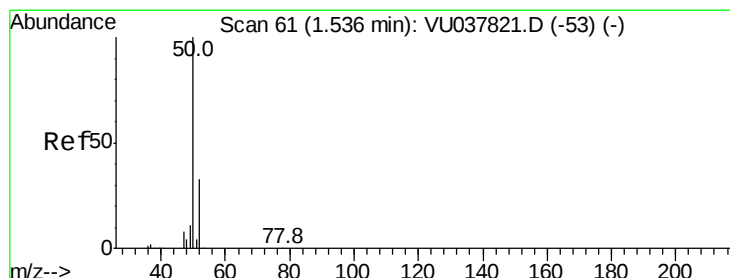
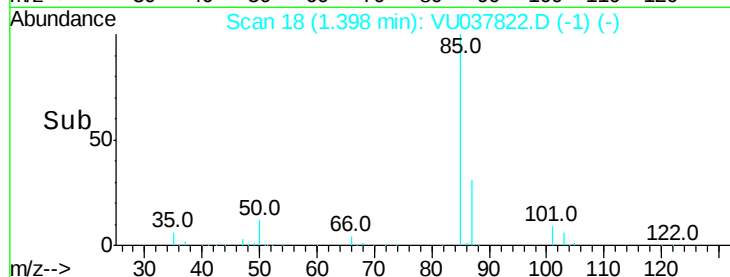
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 93.777 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037822.D

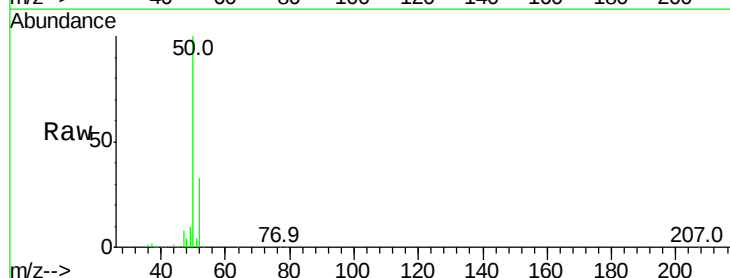
Acq: 21 Apr 2020 13:24

Tgt Ion: 50 Resp: 433479

Ion Ratio Lower Upper

50 100

52 32.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU037822.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037822.D (-53) (-)

1.54

400000

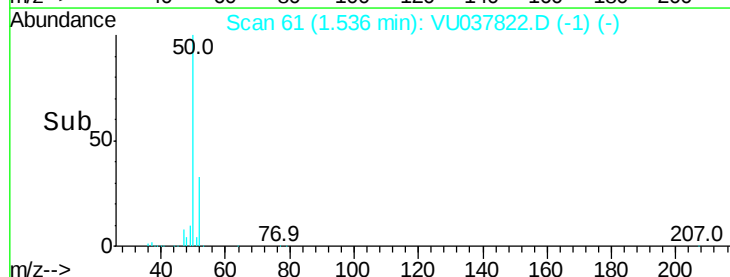
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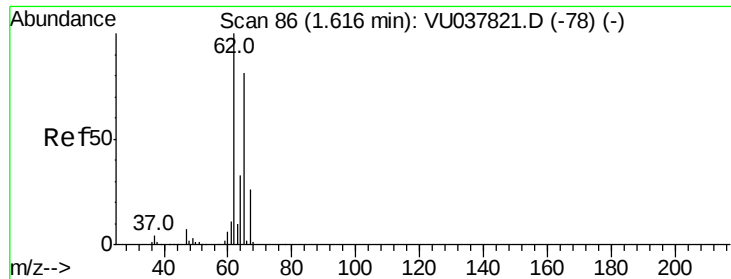
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 101.505 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

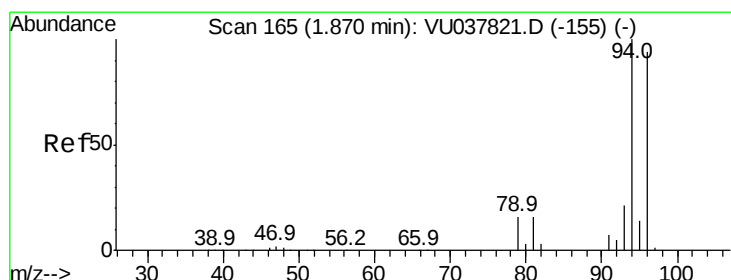
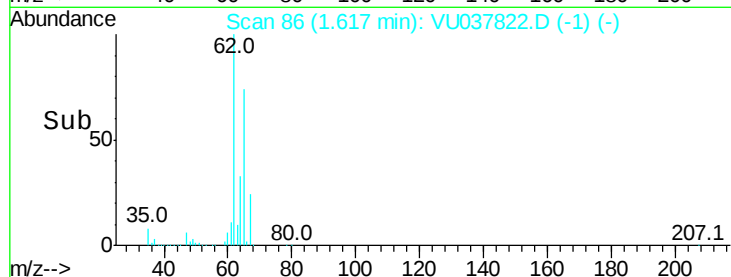
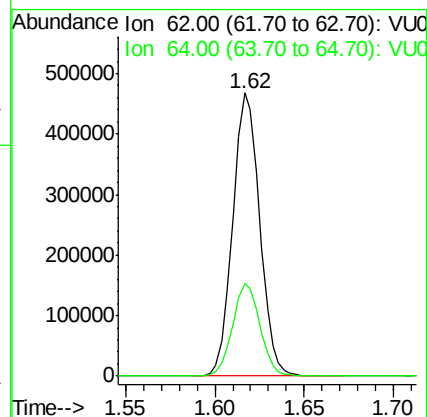
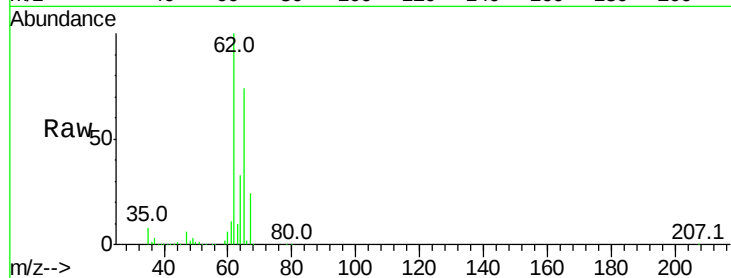
VSTD10035

Tgt Ion: 62 Resp: 491010

Ion Ratio Lower Upper

62 100

64 32.7 23.6 43.8



#6

Bromomethane

Concen: 79.888 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU037822.D

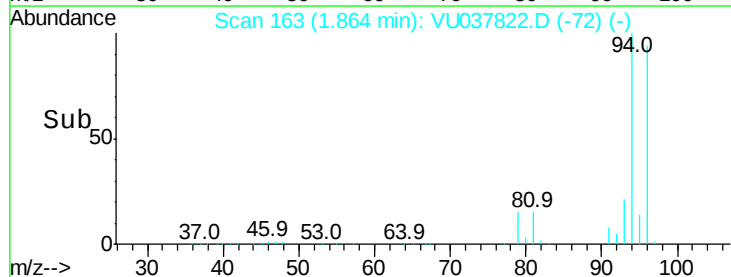
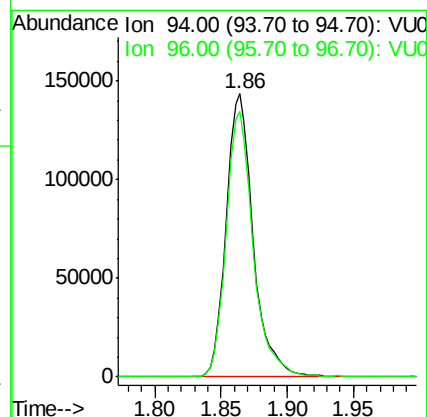
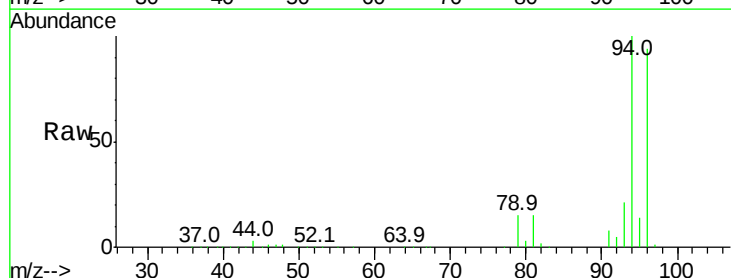
Acq: 21 Apr 2020 13:24

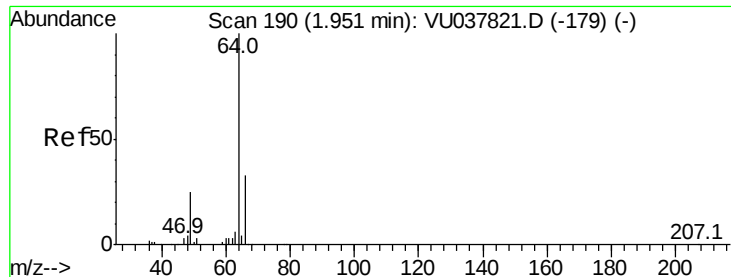
Tgt Ion: 94 Resp: 203386

Ion Ratio Lower Upper

94 100

96 93.8 66.0 122.6





#8

Chloroethane

Concen: 98.088 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

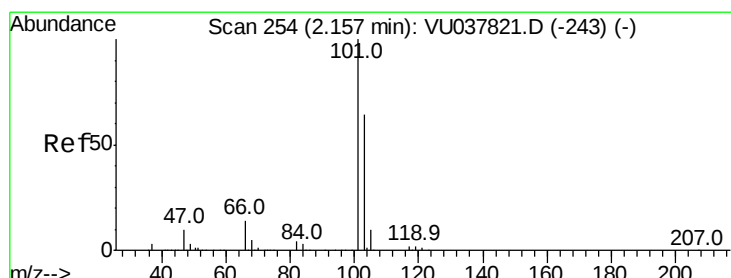
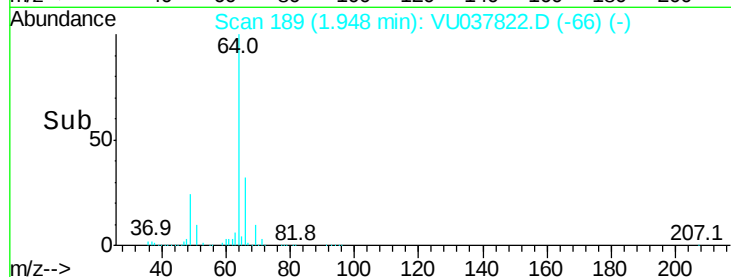
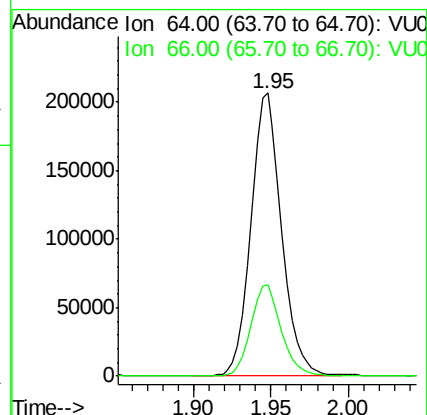
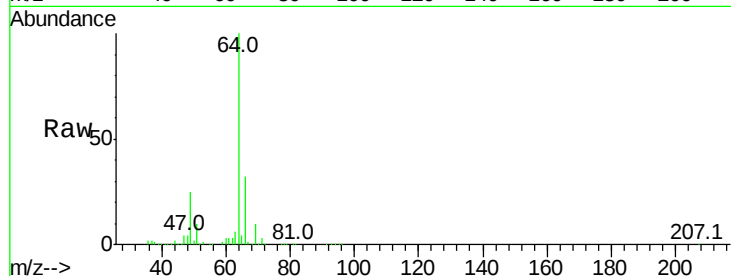
VSTD10035

Tgt Ion: 64 Resp: 281679

Ion Ratio Lower Upper

64 100

66 32.2 22.6 42.0



#9

Trichlorofluoromethane

Concen: 102.400 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037822.D

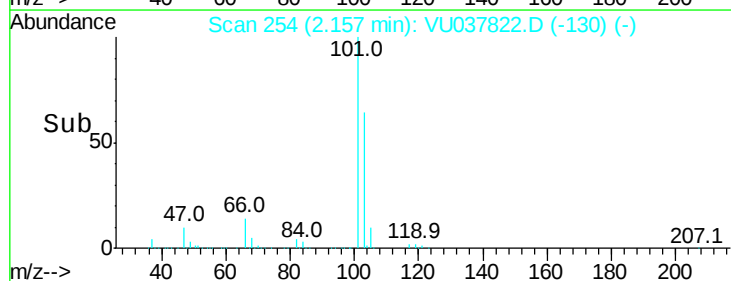
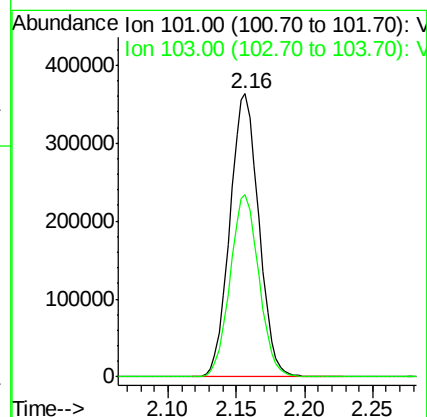
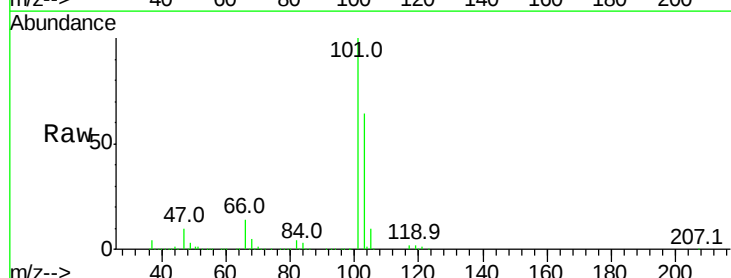
Acq: 21 Apr 2020 13:24

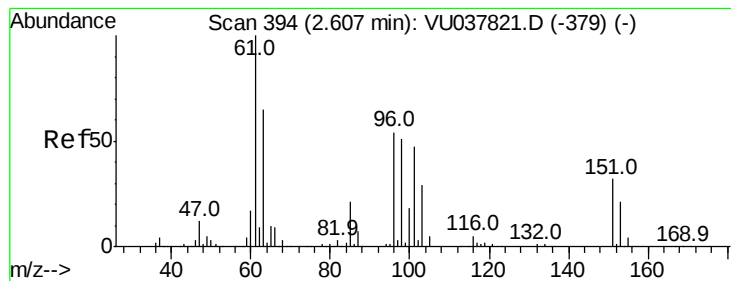
Tgt Ion: 101 Resp: 534929

Ion Ratio Lower Upper

101 100

103 64.2 51.7 77.5





#10

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

Concen: 97.883 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

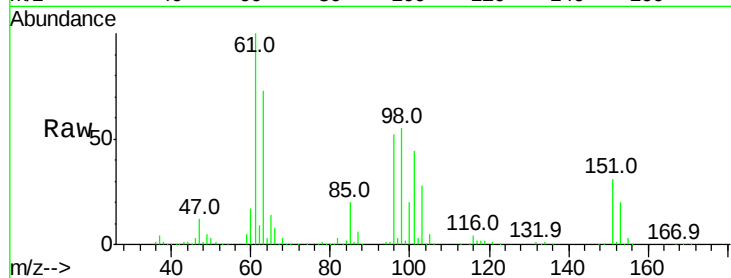
Tgt Ion: 101 Resp: 311318

Ion Ratio Lower Upper

101 100

85 44.8 35.3 52.9

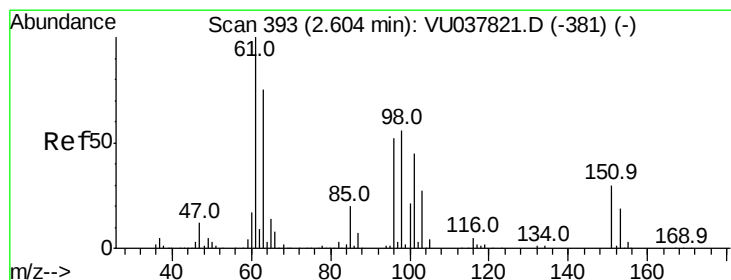
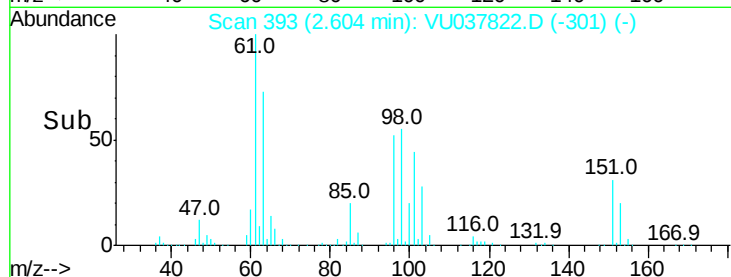
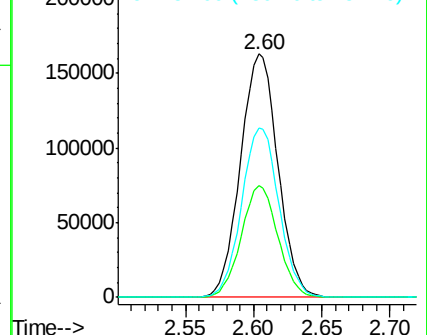
151 69.3 55.2 82.8



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: 95.781 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

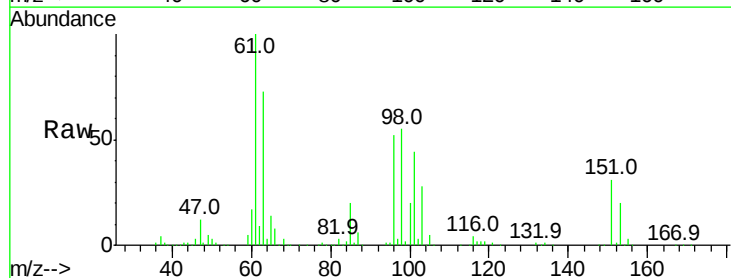
Tgt Ion: 96 Resp: 308933

Ion Ratio Lower Upper

96 100

61 193.0 134.5 249.7

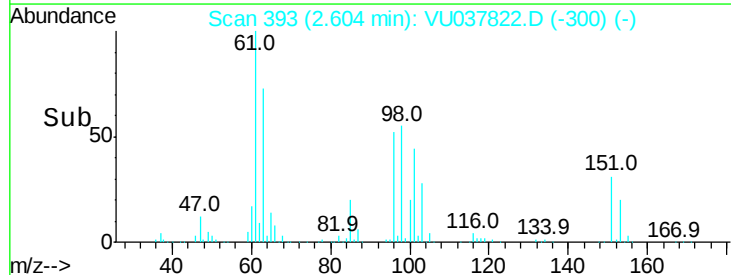
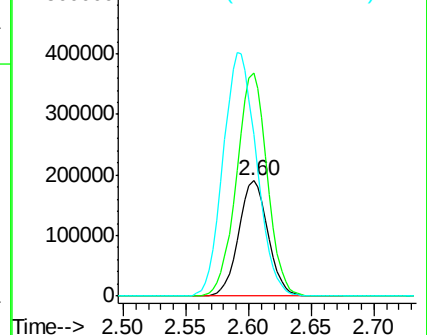
63 140.3 106.6 198.0

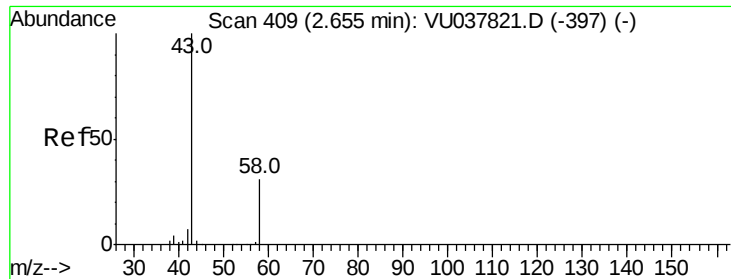


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 205.996 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

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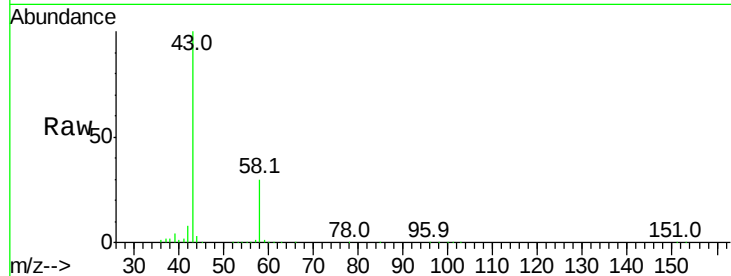
VSTD10035

Tgt Ion: 43 Resp: 434771

Ion Ratio Lower Upper

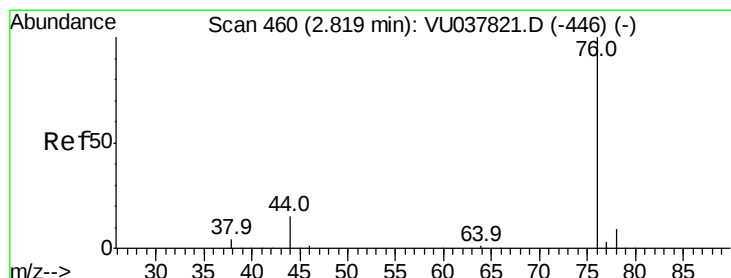
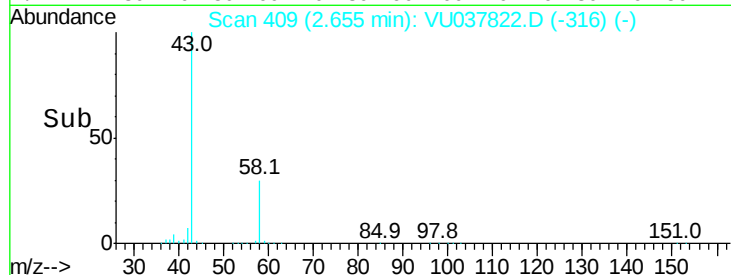
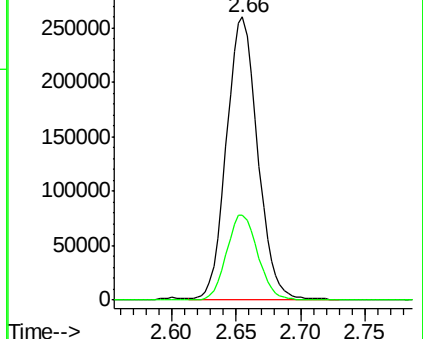
43 100

58 30.4 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU037822.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037822.D (-316) (-)



#14

Carbon disulfide

Concen: 93.077 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037822.D

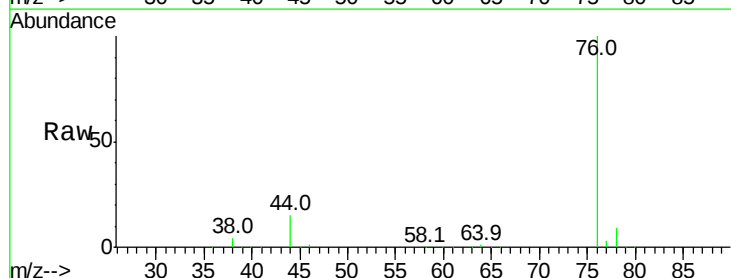
Acq: 21 Apr 2020 13:24

Tgt Ion: 76 Resp: 1028418

Ion Ratio Lower Upper

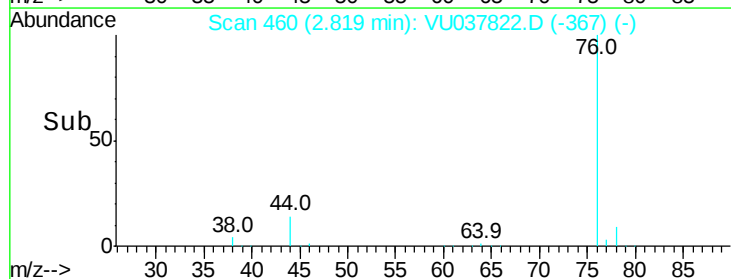
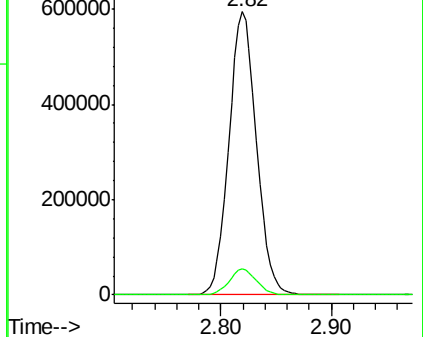
76 100

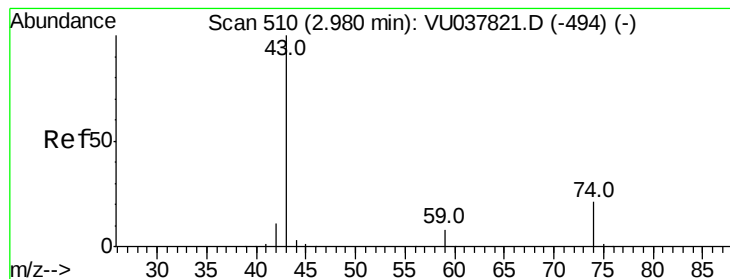
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU037822.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037822.D (-367) (-)





#15

Methyl Acetate

Concen: 101.675 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

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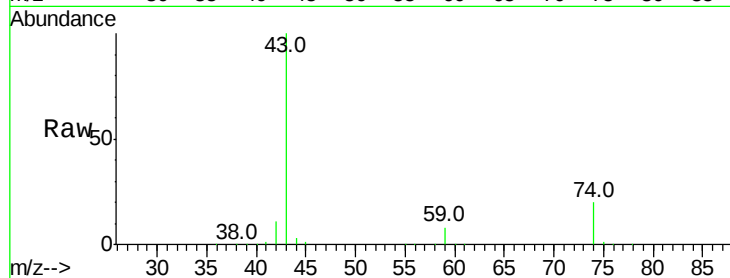
VSTD10035

Tgt Ion: 43 Resp: 510313

Ion Ratio Lower Upper

43 100

74 20.9 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VU037822.D (-494) (-)

Ion 74.00 (73.70 to 74.70): VU037822.D (-494) (-)

2.98

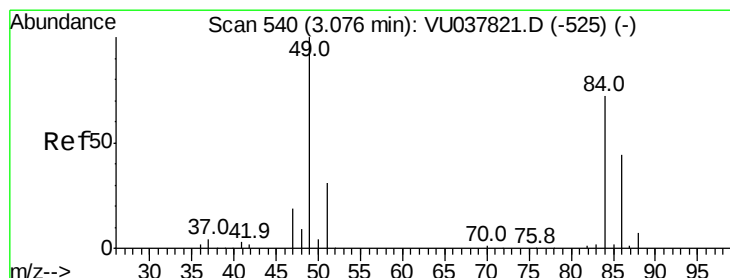
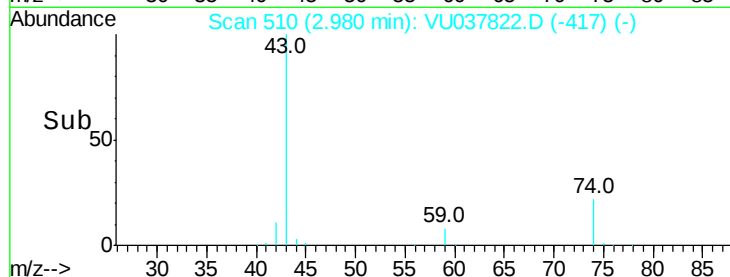
300000

200000

100000

0

Time-->



#16

Methylene chloride

Concen: 98.415 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

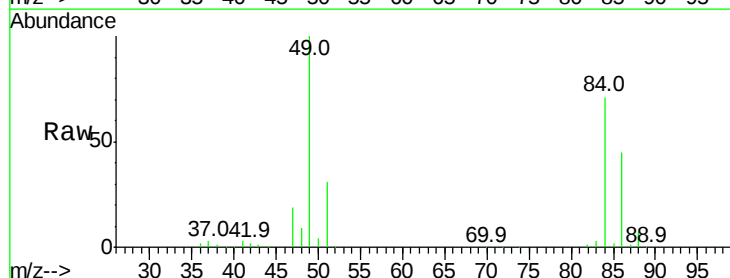
Tgt Ion: 84 Resp: 362643

Ion Ratio Lower Upper

84 100

86 64.0 43.2 80.2

49 141.4 97.8 181.6



Abundance Ion 84.00 (83.70 to 84.70): VU037822.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU037822.D (-525) (-)

Ion 49.00 (48.70 to 49.70): VU037822.D (-525) (-)

3.08

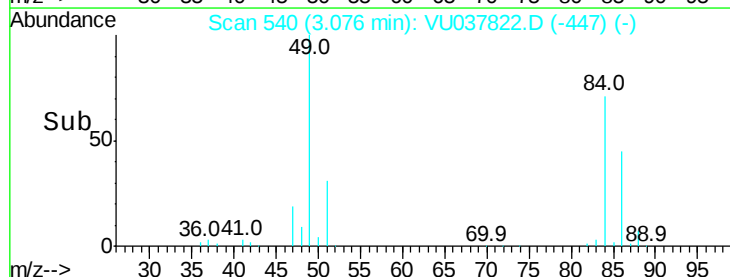
300000

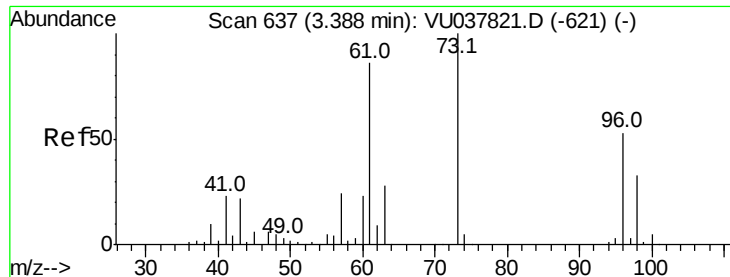
200000

100000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 98.216 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

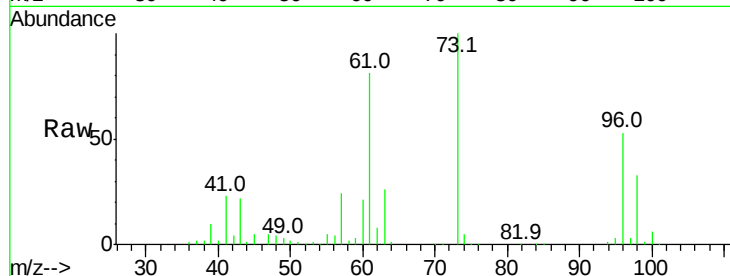
Tgt Ion: 96 Resp: 339847

Ion Ratio Lower Upper

96 100

61 154.8 113.1 210.1

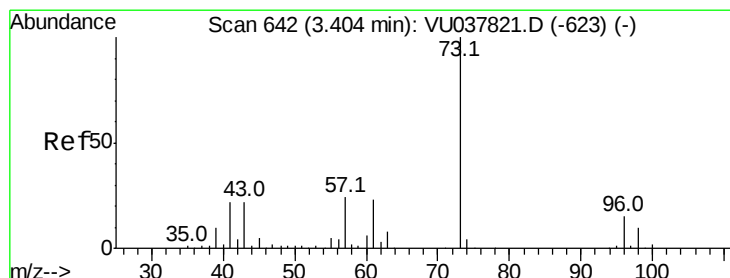
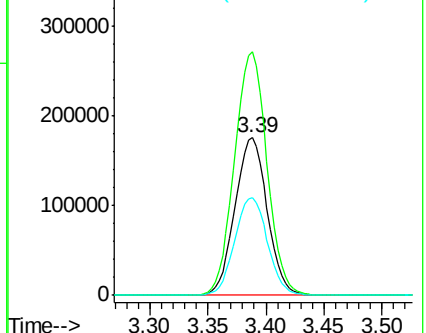
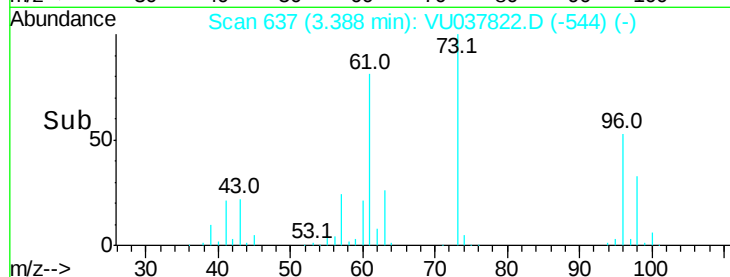
98 62.0 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VU037822.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU037822.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU037822.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 102.231 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

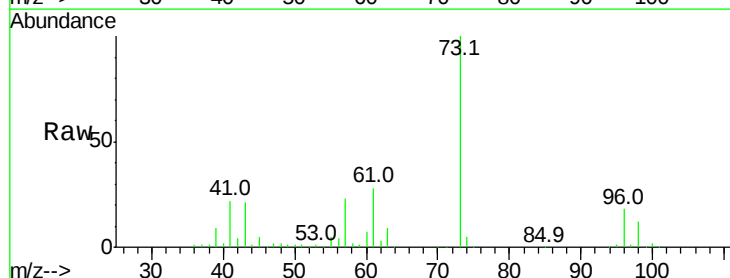
Tgt Ion: 73 Resp: 1221121

Ion Ratio Lower Upper

73 100

43 21.4 17.2 25.8

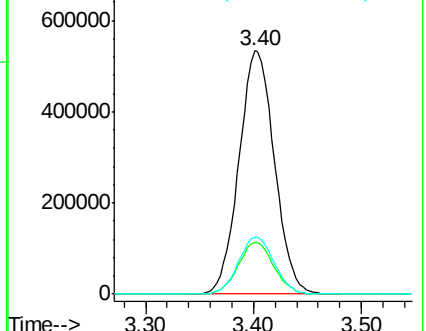
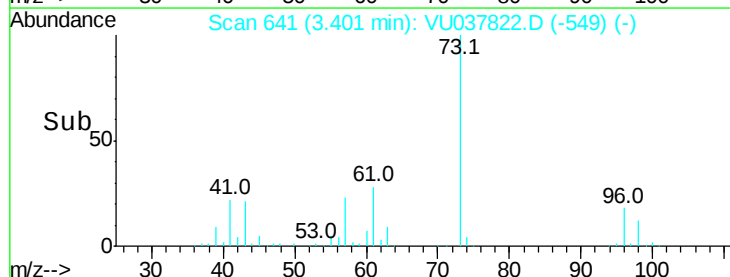
57 23.6 18.9 28.3

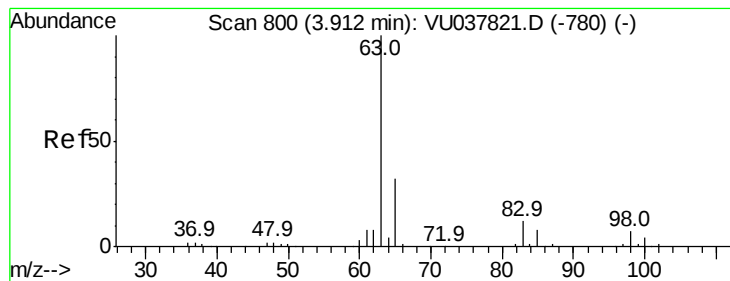


Abundance Ion 73.00 (72.70 to 73.70): VU037822.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU037822.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU037822.D (-549) (-)





#19

1,1-Dichloroethane

Concen: 103.571 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

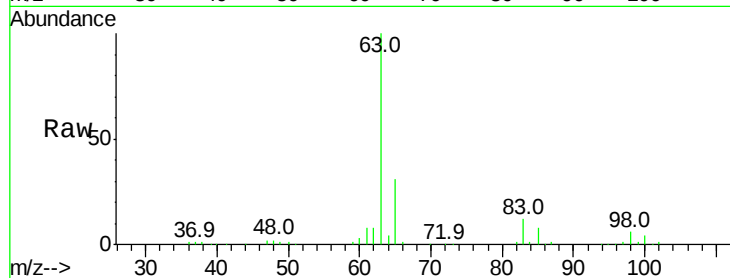
Tgt Ion: 63 Resp: 702590

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

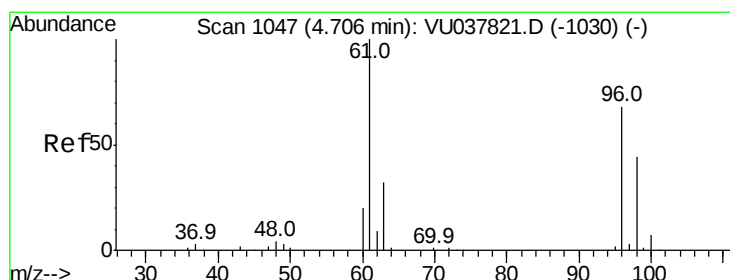
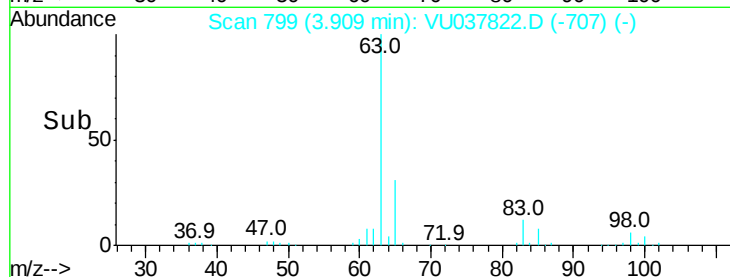
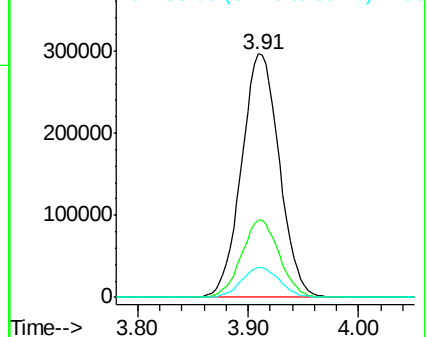
83 12.2 8.7 16.1



Abundance Ion 63.00 (62.70 to 63.70): VU037822.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037822.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037822.D (-780) (-)



#20

cis-1,2-Dichloroethene

Concen: 99.857 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

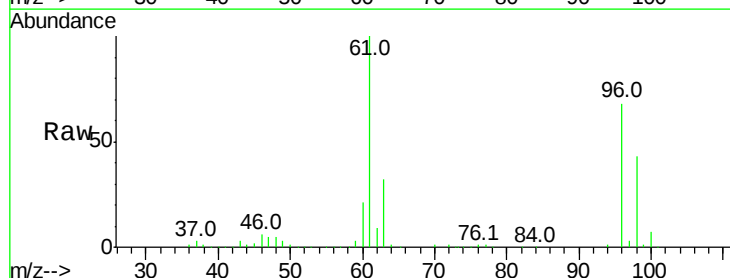
Tgt Ion: 96 Resp: 379917

Ion Ratio Lower Upper

96 100

61 146.1 102.6 190.5

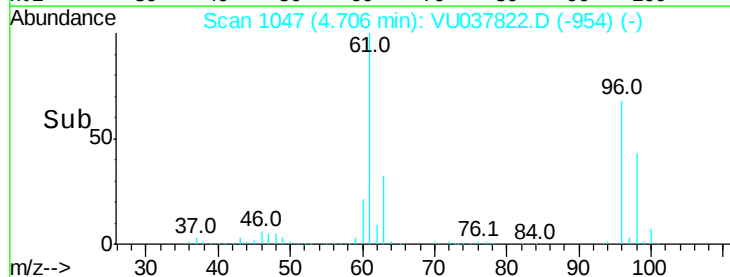
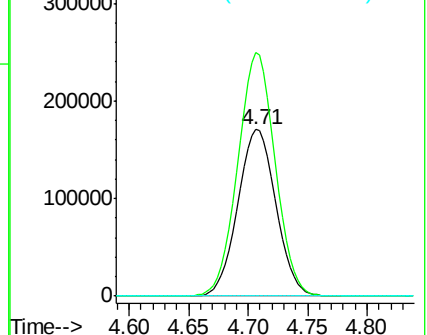
68 0.0 0.0 0.0

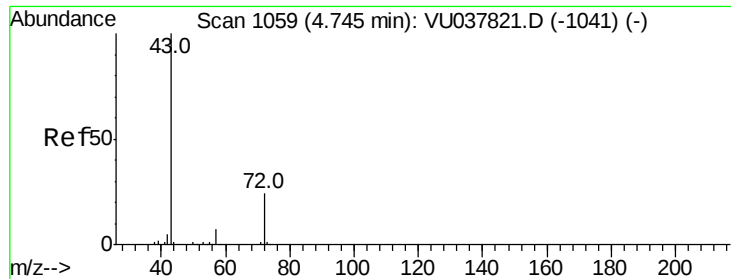


Abundance Ion 96.00 (95.70 to 96.70): VU037822.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037822.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037822.D (-954) (-)





#22

2-Butanone

Concen: 204.389 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

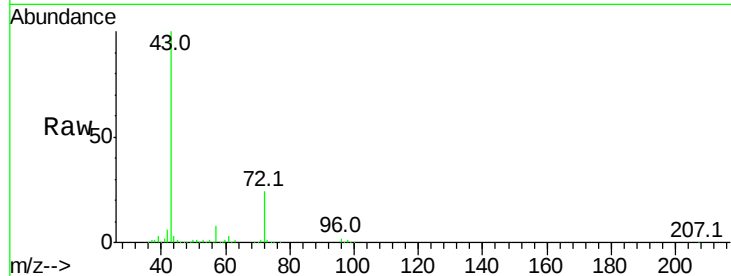
VSTD10035

Tgt Ion: 43 Resp: 755039

Ion Ratio Lower Upper

43 100

72 24.1 12.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU037822.D (-1041) (-)

Ion 72.00 (71.70 to 72.70): VU037822.D (-1041) (-)

4.75

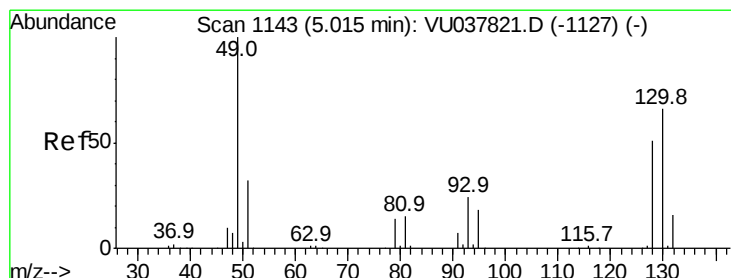
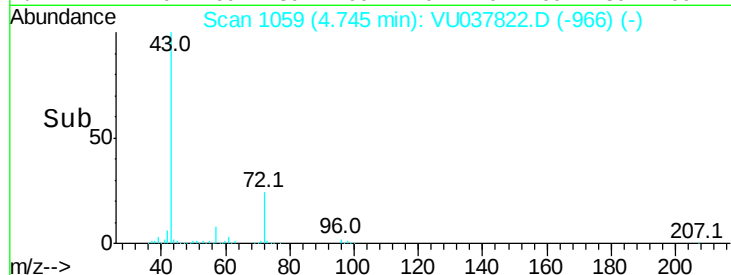
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 99.440 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Tgt Ion: 128 Resp: 184384

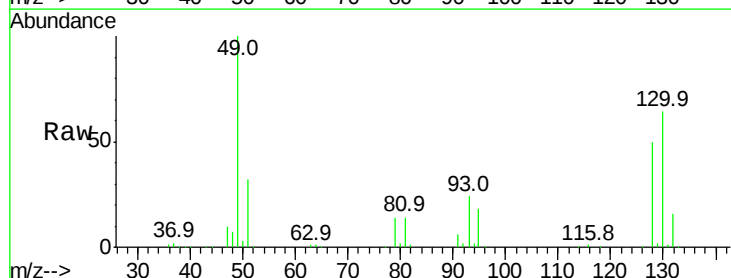
Ion Ratio Lower Upper

128 100

49 201.1 138.3 256.9

130 128.5 91.1 169.1

51 64.3 50.4 75.6



Abundance Ion 128.00 (127.70 to 128.70): VU037822.D (-1127) (-)

Ion 49.00 (48.70 to 49.70): VU037822.D (-1127) (-)

Ion 130.00 (129.70 to 130.70): VU037822.D (-1127) (-)

Ion 51.00 (50.70 to 51.70): VU037822.D (-1127) (-)

5.02

250000

200000

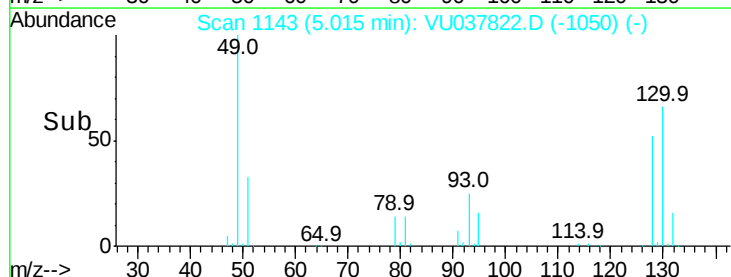
150000

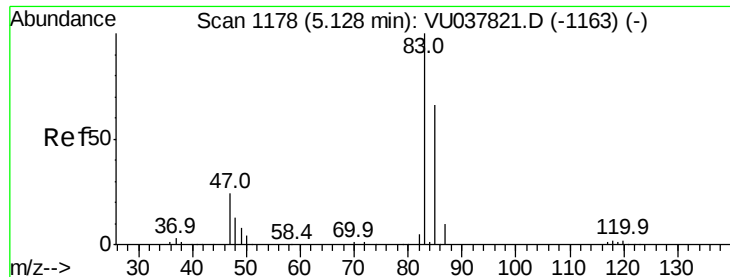
100000

50000

0

Time-->

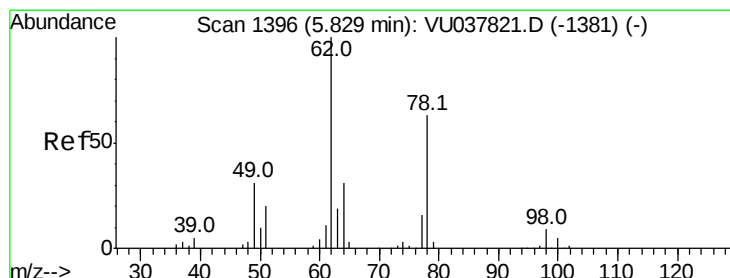
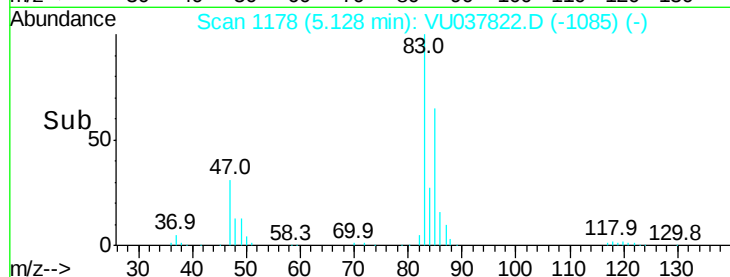
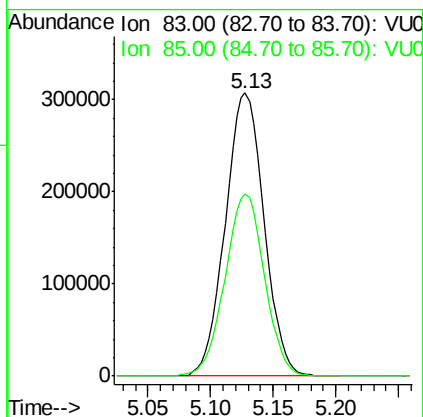
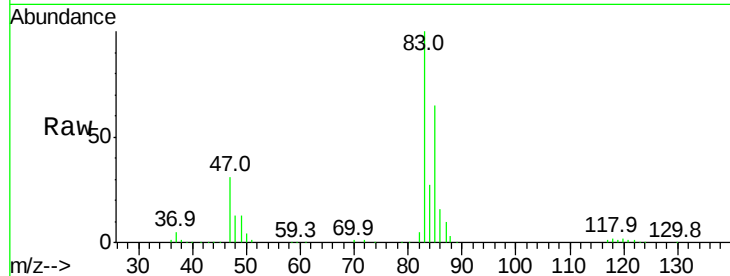




#25
Chloroform
Concen: 103.139 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037822.D
Acq: 21 Apr 2020 13:24

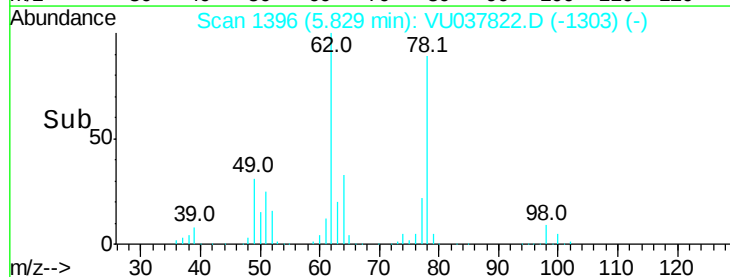
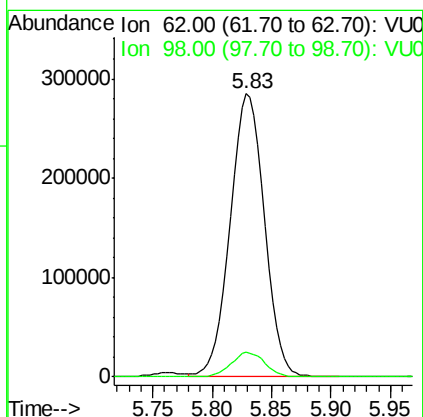
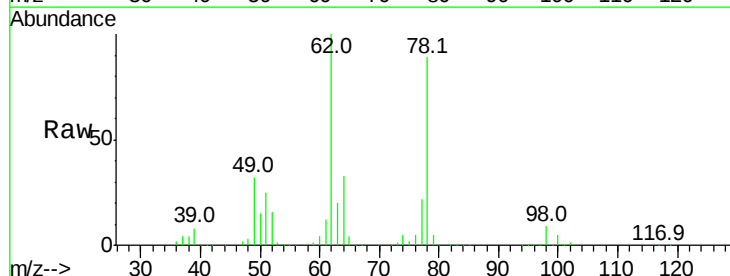
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

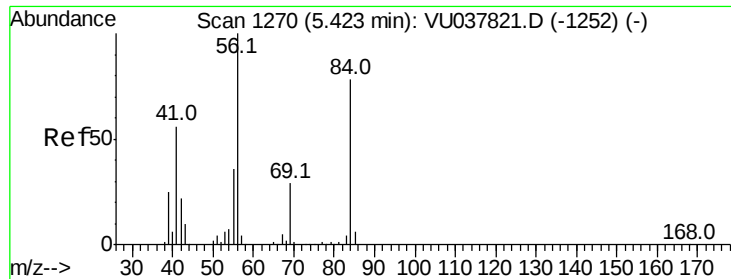
Tgt Ion: 83 Resp: 658333
Ion Ratio Lower Upper
83 100
85 64.5 46.9 87.1



#27
1,2-Dichloroethane
Concen: 107.686 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037822.D
Acq: 21 Apr 2020 13:24

Tgt Ion: 62 Resp: 568515
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.6

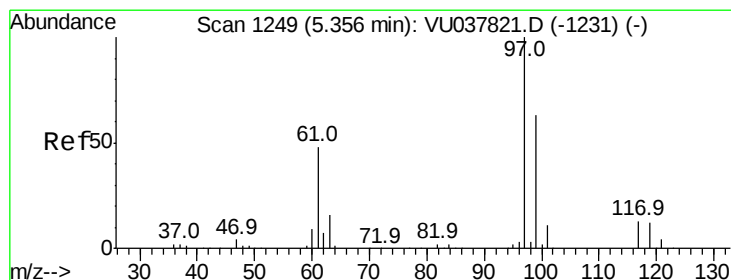
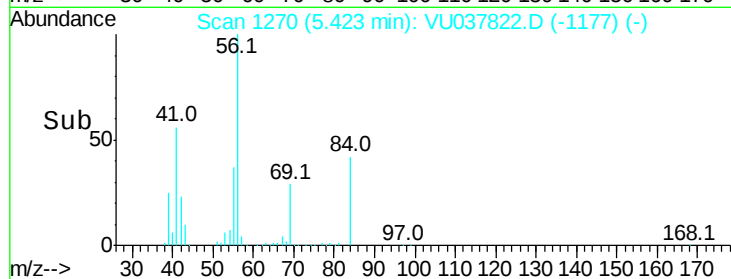
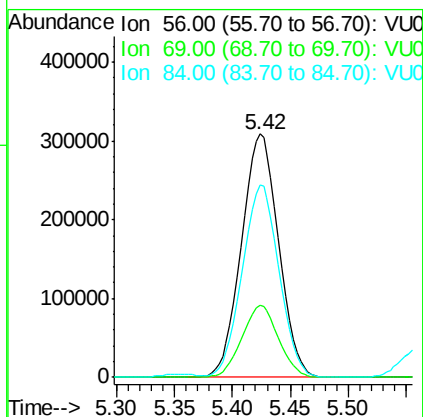
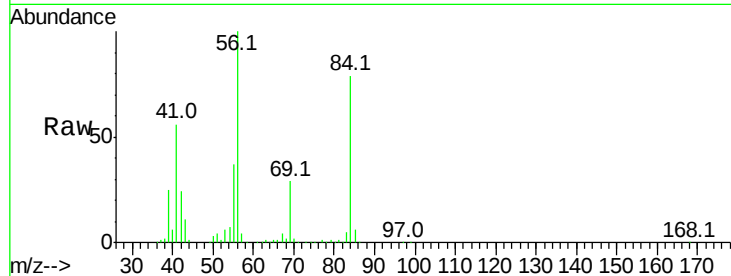




#29
Cyclohexane
Concen: 101.063 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037822.D
Acq: 21 Apr 2020 13:24

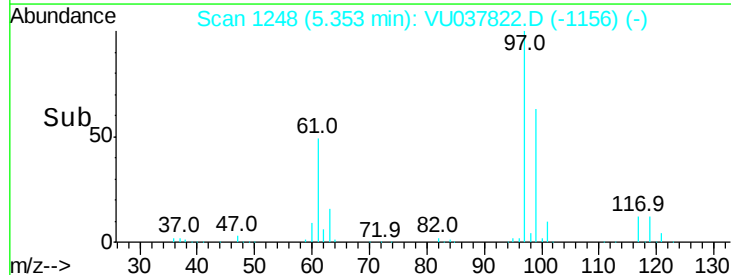
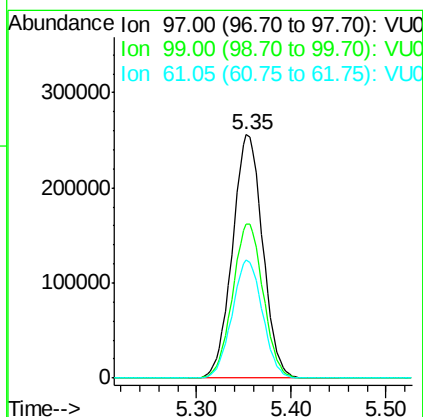
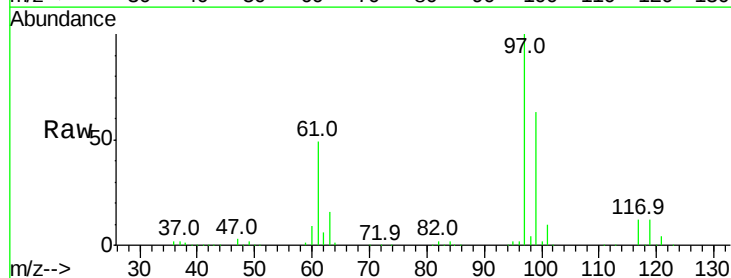
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

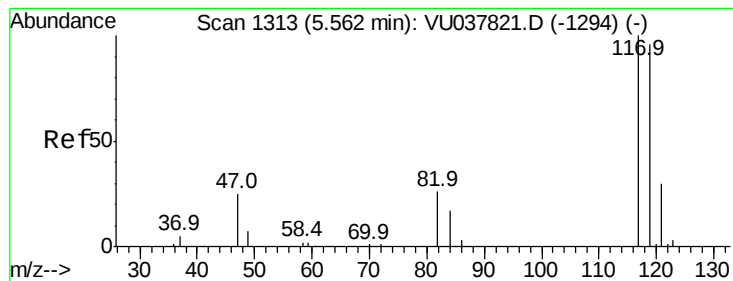
Tgt Ion: 56 Resp: 689111
Ion Ratio Lower Upper
56 100
69 29.1 23.3 34.9
84 78.5 63.8 95.8



#30
1,1,1-Trichloroethane
Concen: 100.987 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037822.D
Acq: 21 Apr 2020 13:24

Tgt Ion: 97 Resp: 567567
Ion Ratio Lower Upper
97 100
99 64.2 50.7 76.1
61 48.7 38.3 57.5





#31

Carbon tetrachloride

Concen: 100.961 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

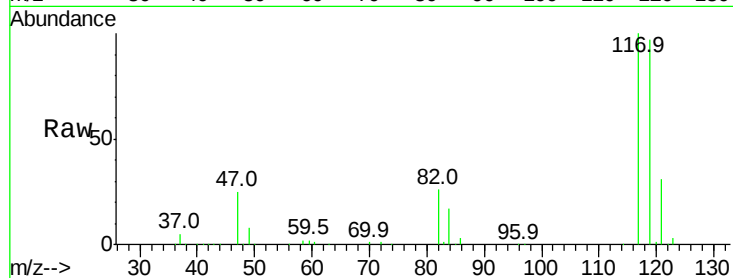
VSTD10035

Tgt Ion:117 Resp: 460623

Ion Ratio Lower Upper

117 100

119 95.7 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

250000

200000

150000

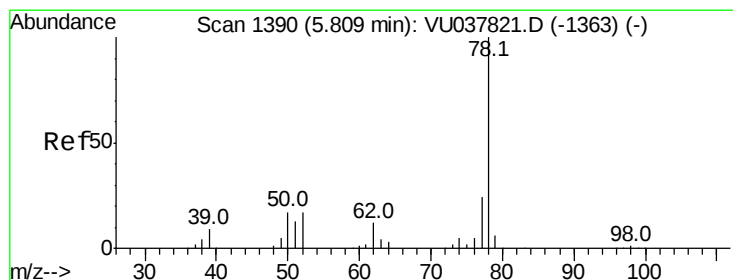
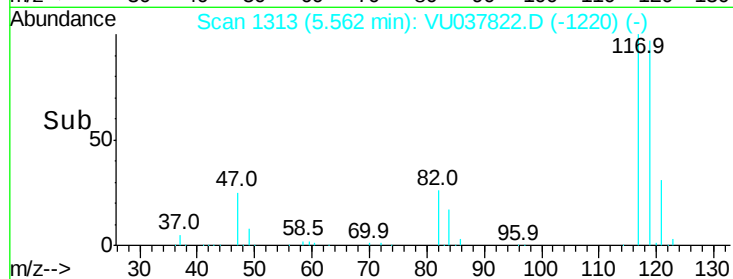
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 99.780 ug/L

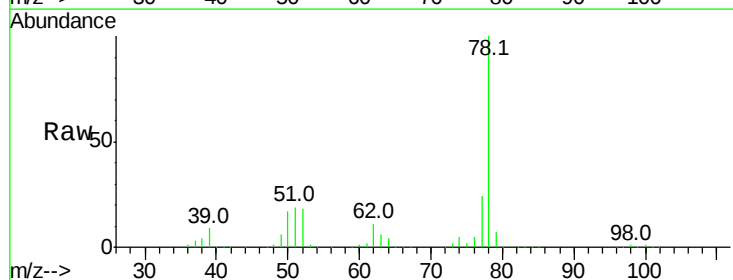
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Tgt Ion: 78 Resp: 1505634



Abundance Ion 78.00 (77.70 to 78.70): VU0

800000

600000

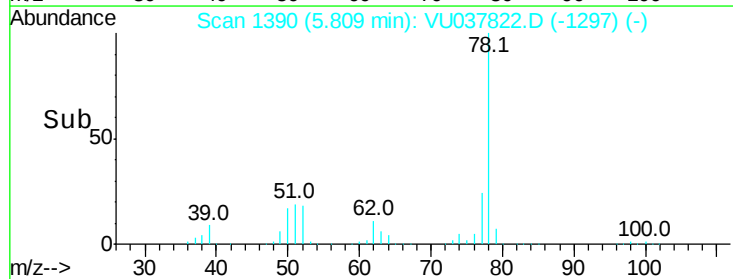
400000

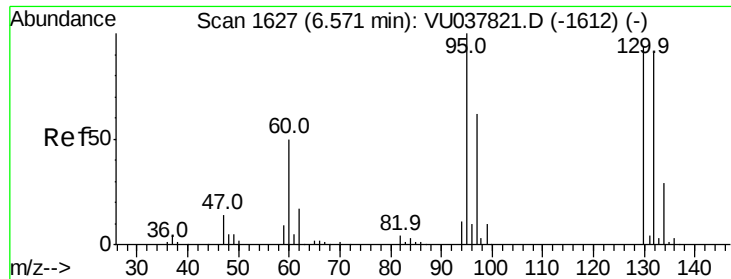
200000

0

5.70 5.80 5.90

Time-->

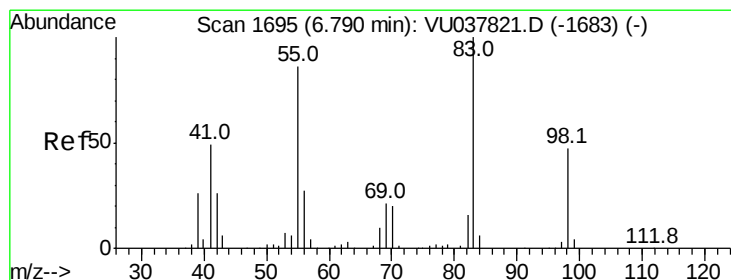
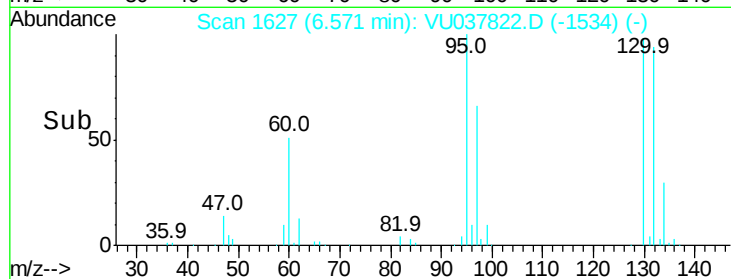
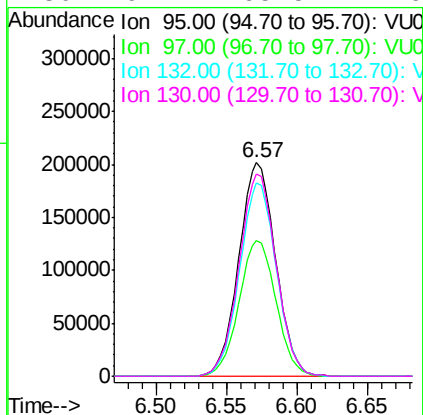
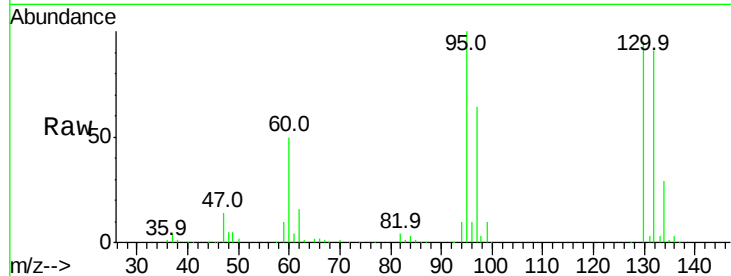




#34
 Trichloroethene
 Concen: 99.459 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037822.D
 Acq: 21 Apr 2020 13:24

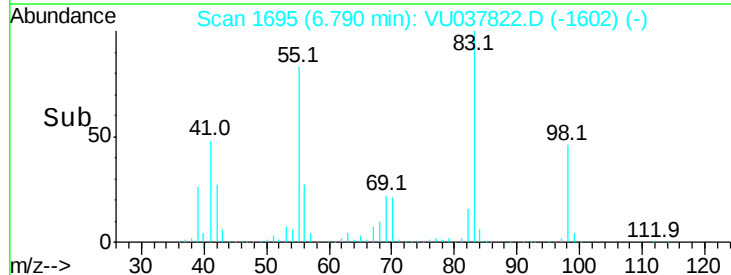
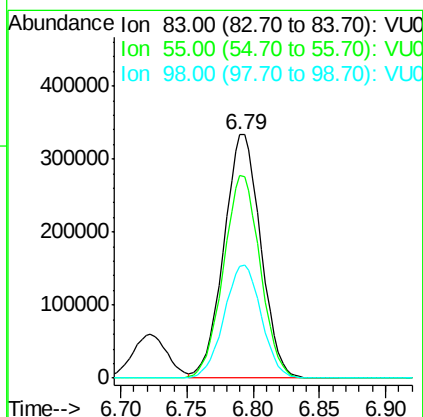
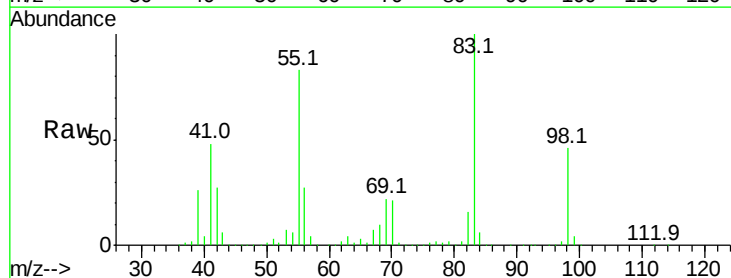
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

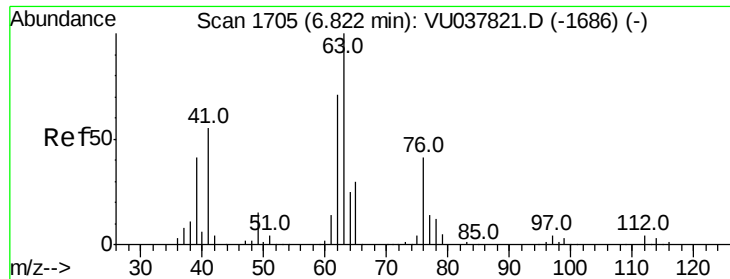
Tgt Ion:	95	Resp:	369448
Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.1	80.1
132	90.5	63.6	118.2
130	94.7	65.5	121.6



#35
 Methylcyclohexane
 Concen: 97.724 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU037822.D
 Acq: 21 Apr 2020 13:24

Tgt Ion:	83	Resp:	644092
Ion	Ratio	Lower	Upper
83	100		
55	82.9	67.3	100.9
98	46.8	36.9	55.3

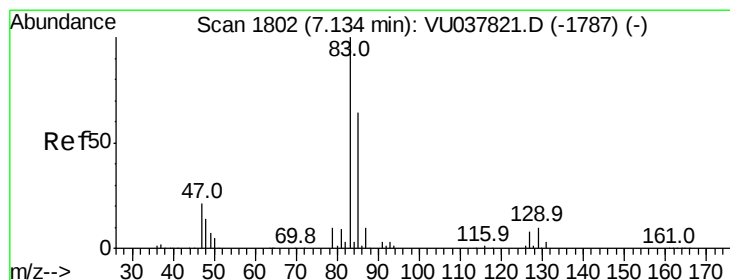
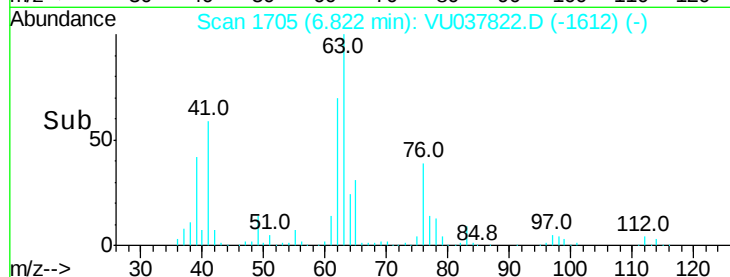
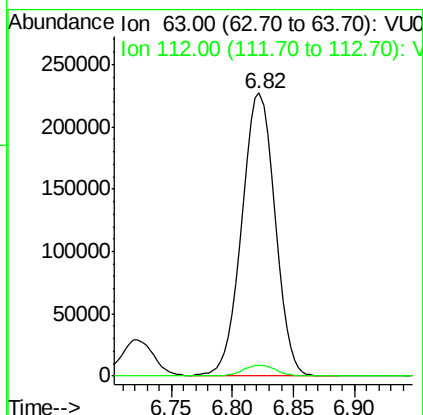
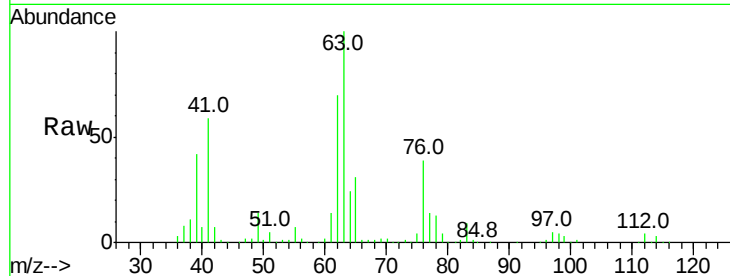




#37
 1,2-Dichloropropane
 Concen: 103.225 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037822.D
 Acq: 21 Apr 2020 13:24

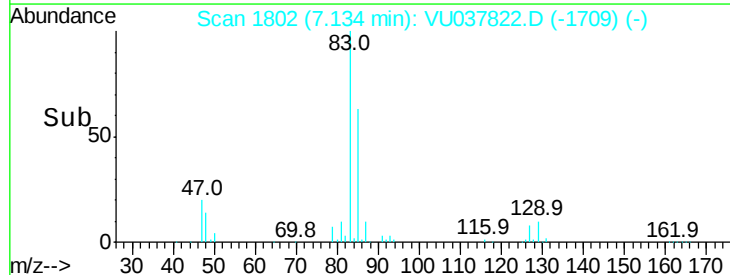
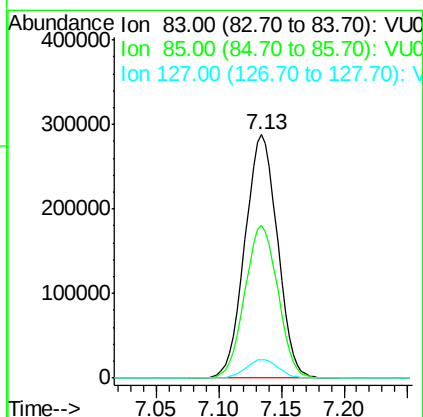
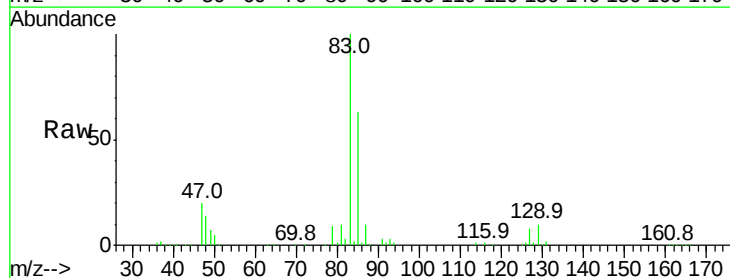
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

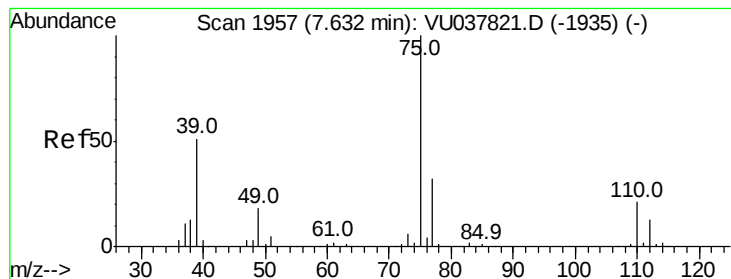
Tgt Ion: 63 Resp: 427996
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 101.780 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037822.D
 Acq: 21 Apr 2020 13:24

Tgt Ion: 83 Resp: 519499
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.7 83.1
 127 7.8 6.3 9.5



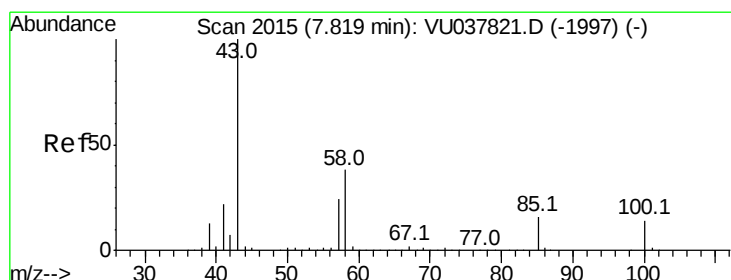
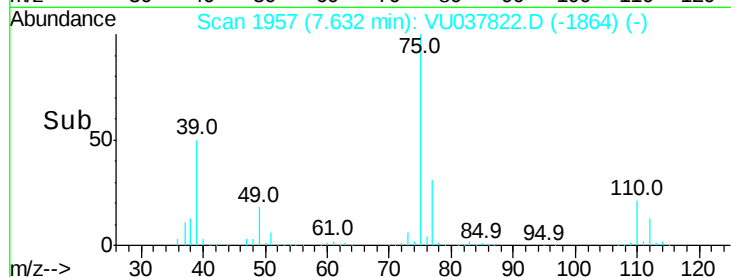
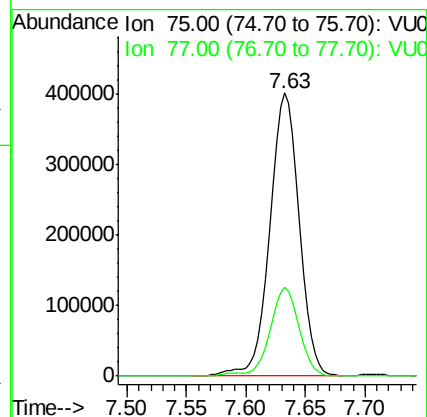
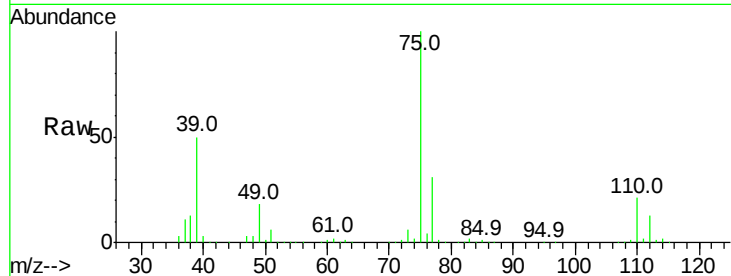


#39

cis-1,3-Dichloropropene
 Concen: 101.413 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037822.D
 Acq: 21 Apr 2020 13:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

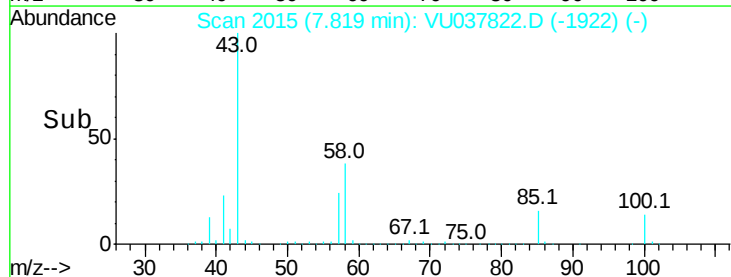
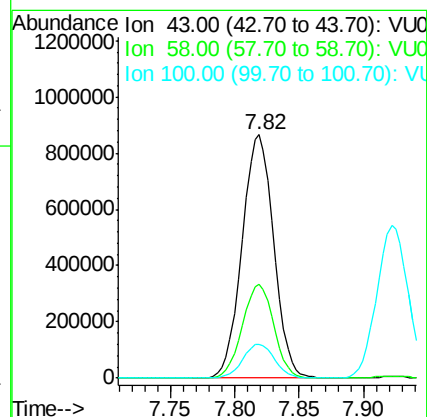
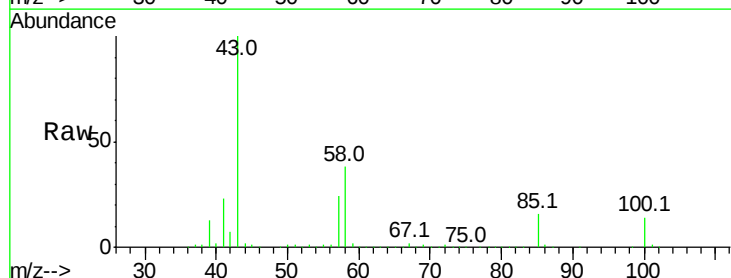
Tgt Ion: 75 Resp: 688234
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3

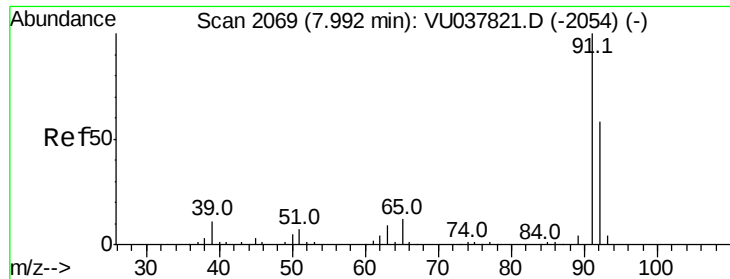


#40

4-Methyl-2-pentanone
 Concen: 200.516 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037822.D
 Acq: 21 Apr 2020 13:24

Tgt Ion: 43 Resp: 1476544
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.5 45.7
 100 14.0 11.0 16.4





#42

Toluene

Concen: 99.661 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

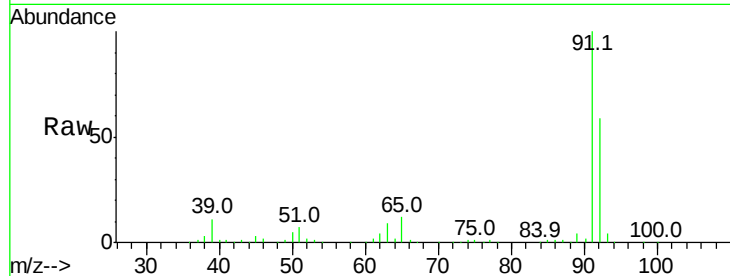
VSTD10035

Tgt Ion: 91 Resp: 1597507

Ion Ratio Lower Upper

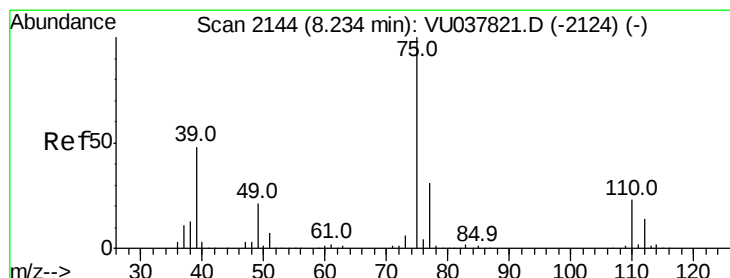
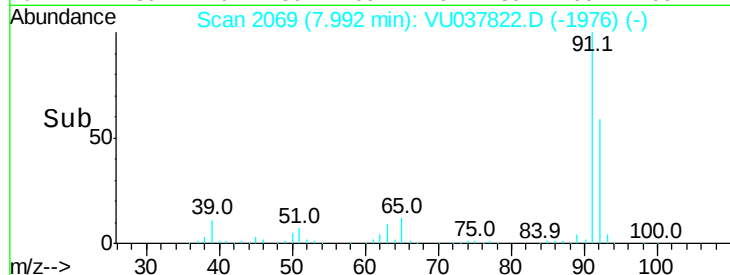
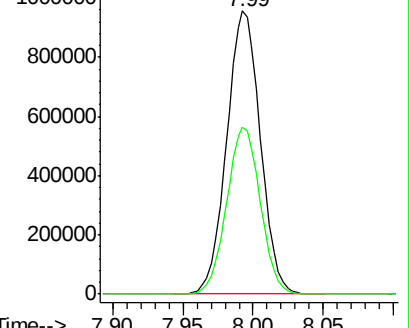
91 100

92 59.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU037822.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037822.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 99.721 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037822.D

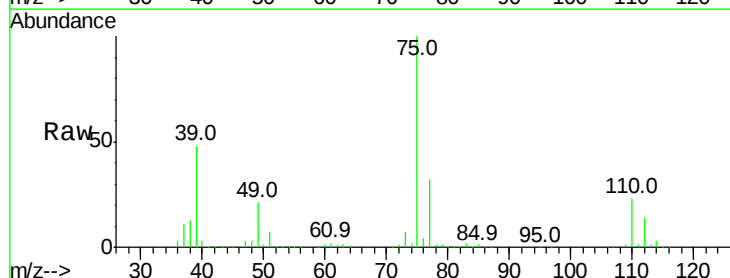
Acq: 21 Apr 2020 13:24

Tgt Ion: 75 Resp: 655996

Ion Ratio Lower Upper

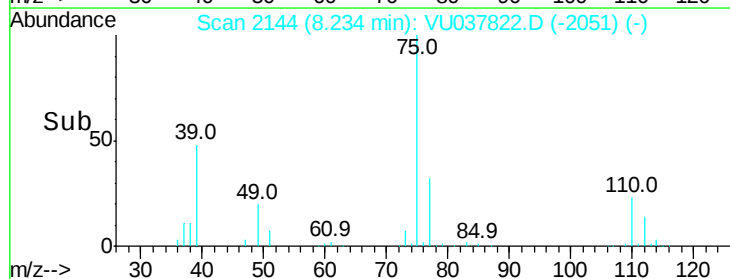
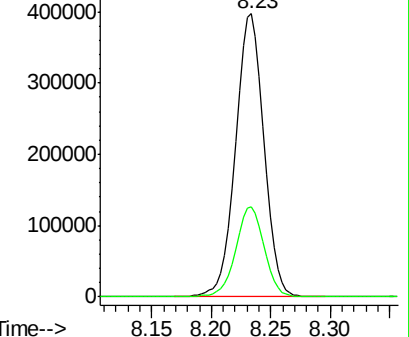
75 100

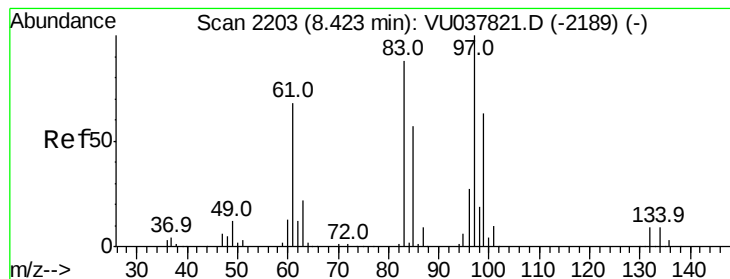
77 31.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU037822.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU037822.D (-2051) (-)





#45

1,1,2-Trichloroethane

Concen: 99.203 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

Tgt Ion: 97 Resp: 367005

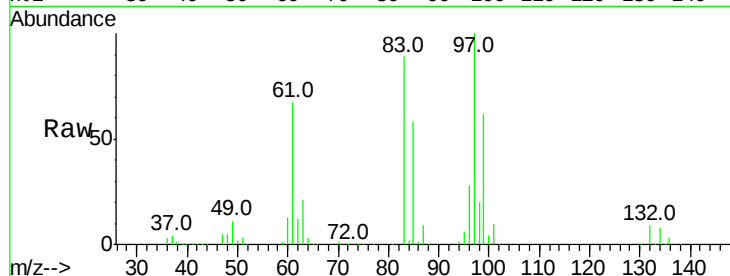
Ion Ratio Lower Upper

97 100

99 62.5 44.1 81.9

83 88.8 61.6 114.4

85 57.8 40.0 74.2

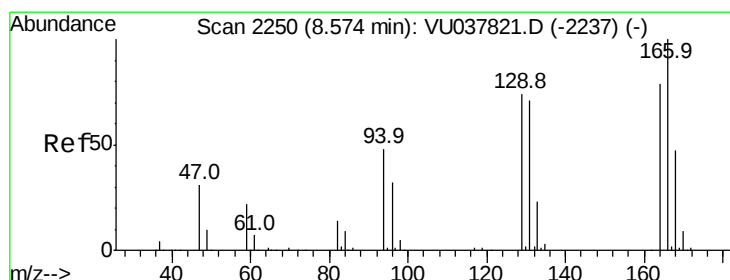
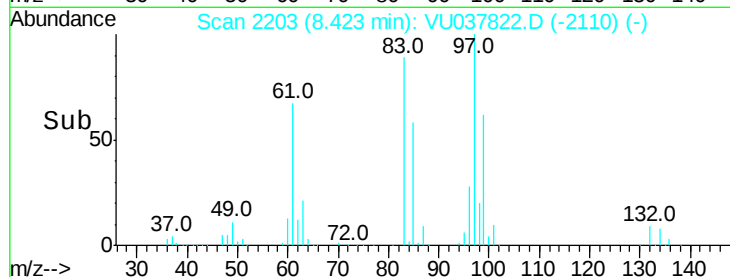
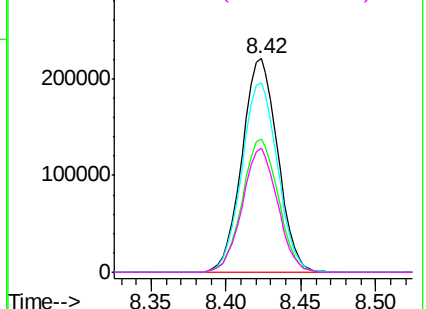


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 96.961 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Tgt Ion: 164 Resp: 267977

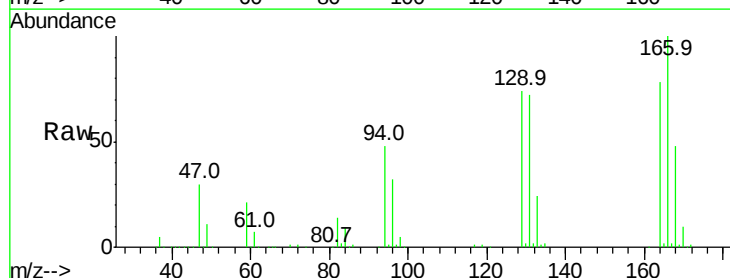
Ion Ratio Lower Upper

164 100

129 94.3 65.9 122.5

131 91.4 62.9 116.9

166 127.8 88.8 164.8

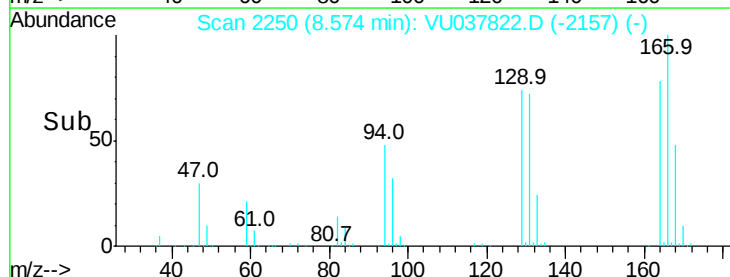
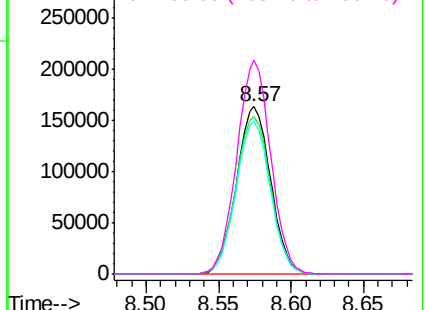


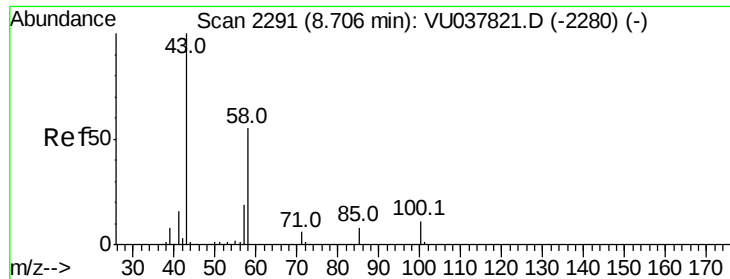
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



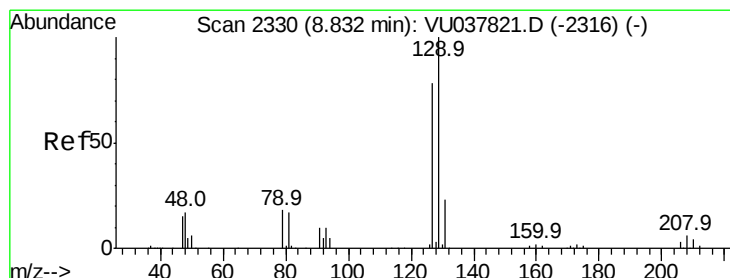
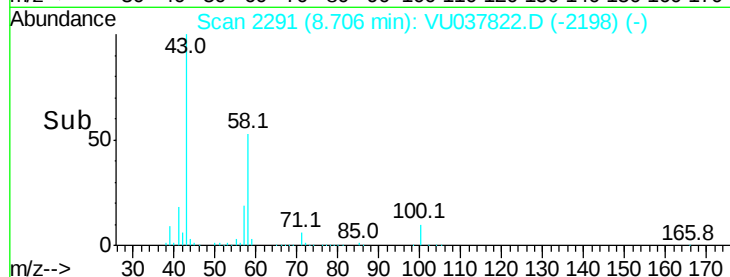
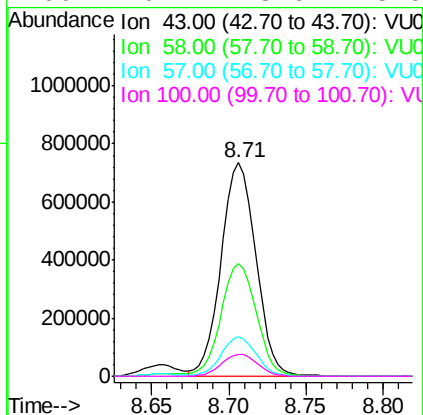
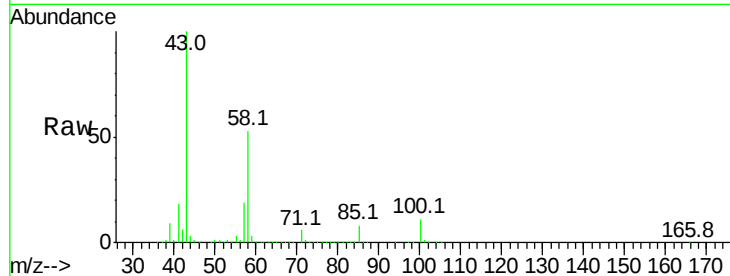


#48
2-Hexanone
Concen: 196.943 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037822.D
Acq: 21 Apr 2020 13:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Tgt Ion: 43 Resp: 1145123

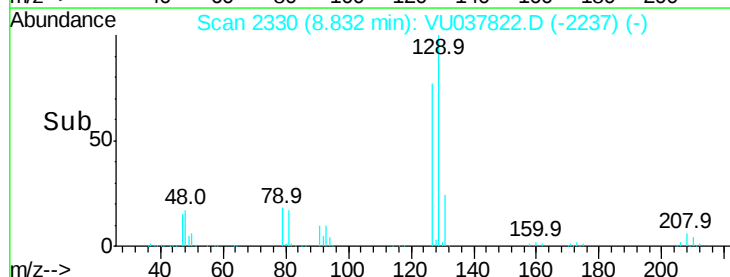
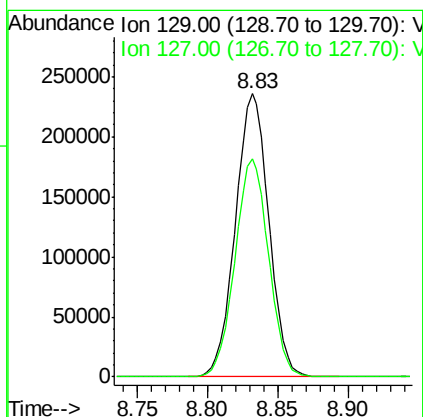
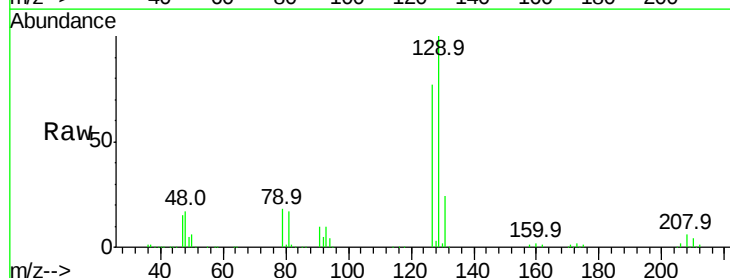
Ion	Ratio	Lower	Upper
43	100		
58	53.7	43.0	64.4
57	18.7	15.1	22.7
100	10.7	8.6	13.0

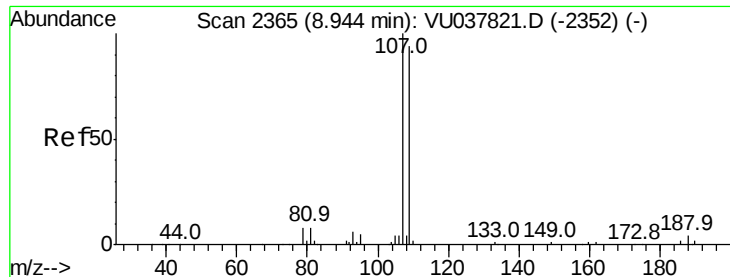


#49
Dibromochloromethane
Concen: 98.771 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037822.D
Acq: 21 Apr 2020 13:24

Tgt Ion: 129 Resp: 391840

Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.5	101.1

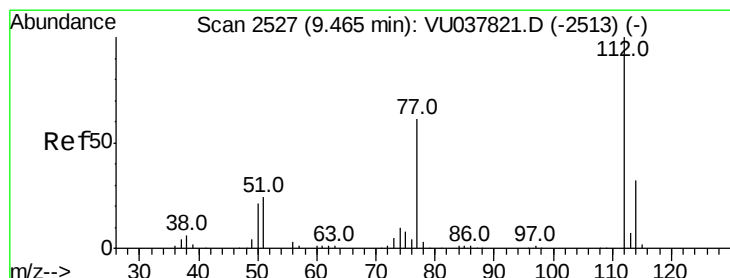
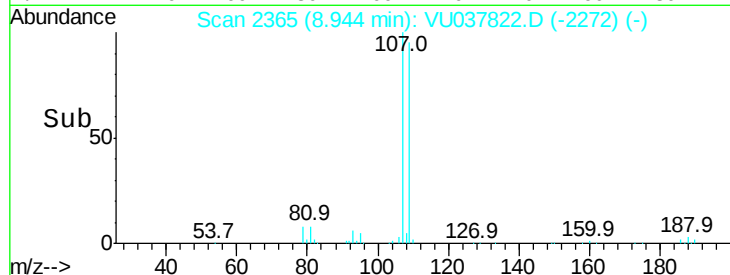
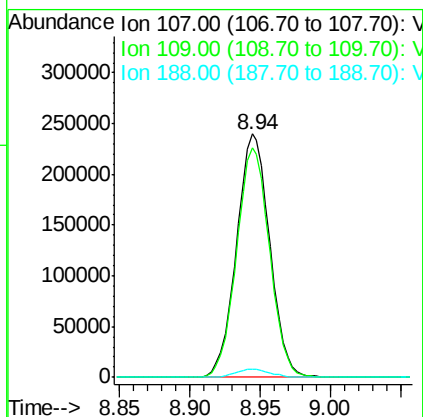
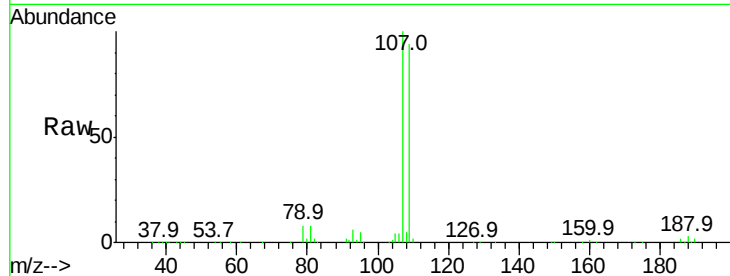




#50
1,2-Dibromoethane
Concen: 98.646 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU037822.D
Acq: 21 Apr 2020 13:24

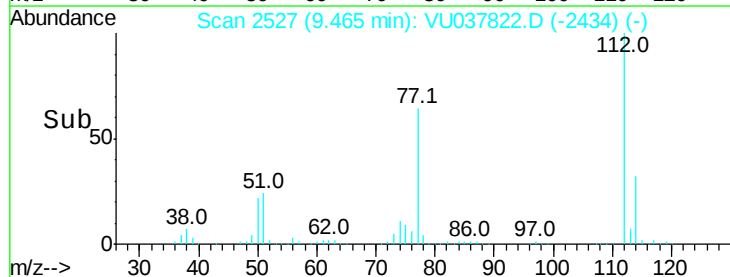
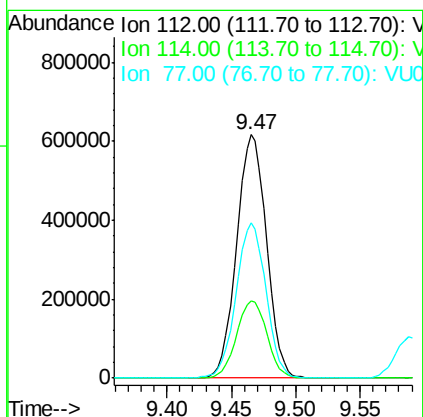
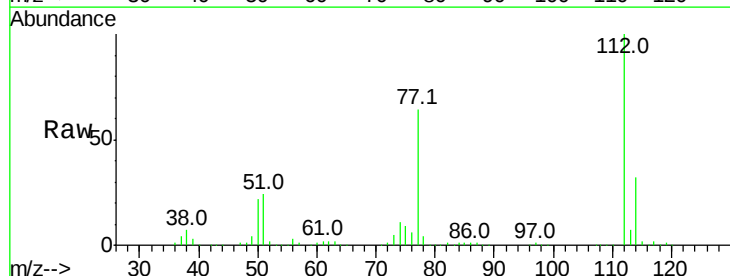
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

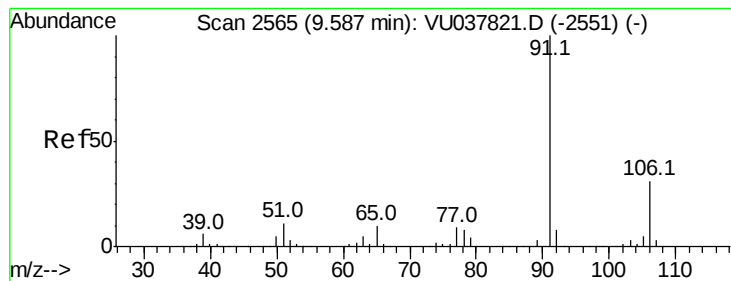
Tgt Ion:107 Resp: 394859
Ion Ratio Lower Upper
107 100
109 94.4 65.6 121.8
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 99.142 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU037822.D
Acq: 21 Apr 2020 13:24

Tgt Ion:112 Resp: 992457
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 63.6 49.1 73.7





#52

Ethylbenzene

Concen: 100.948 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

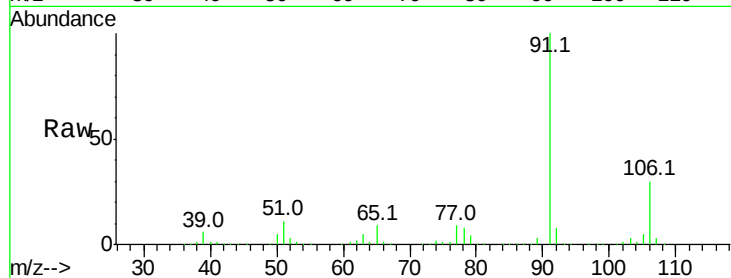
VSTD10035

Tgt Ion: 91 Resp: 1814209

Ion Ratio Lower Upper

91 100

106 30.2 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU037822.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037822.D (-2551) (-)

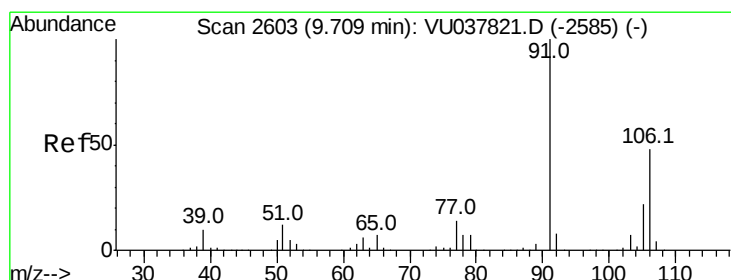
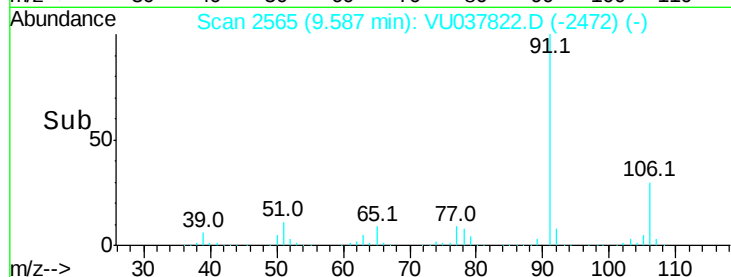
9.59

1000000

500000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 100.221 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU037822.D

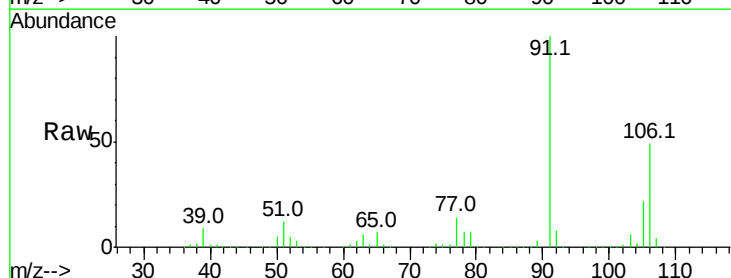
Acq: 21 Apr 2020 13:24

Tgt Ion: 106 Resp: 683902

Ion Ratio Lower Upper

106 100

91 205.6 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): VU037822.D (-2603) (-)

Ion 91.00 (90.70 to 91.70): VU037822.D (-2603) (-)

9.71

1000000

800000

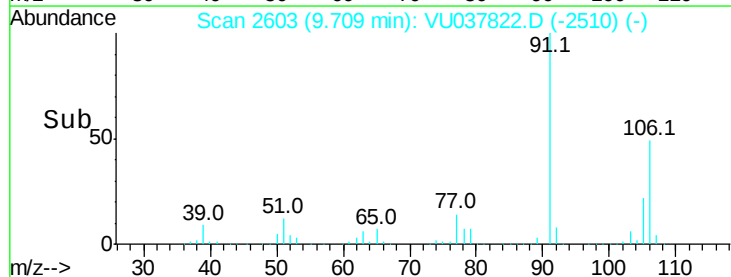
600000

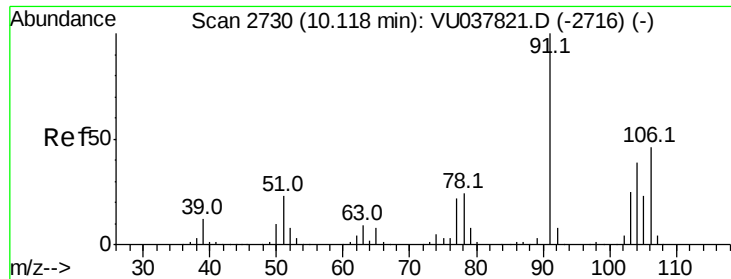
400000

200000

0

Time--> 9.65 9.70 9.75 9.80





#54

o-xylene

Concen: 99.534 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

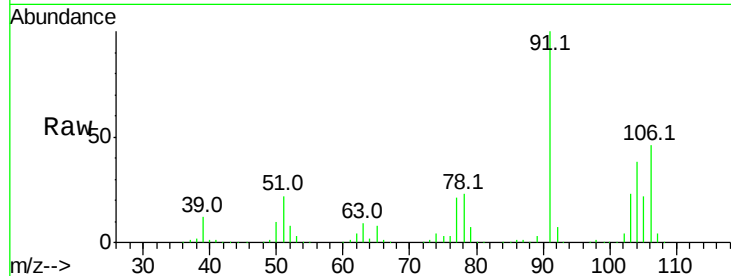
VSTD10035

Tgt Ion:106 Resp: 673634

Ion Ratio Lower Upper

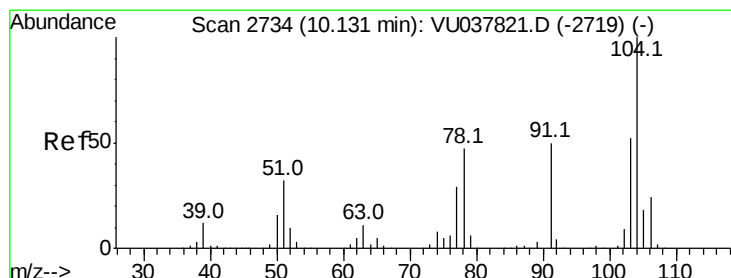
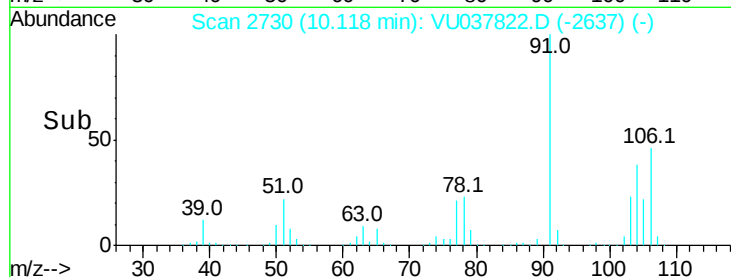
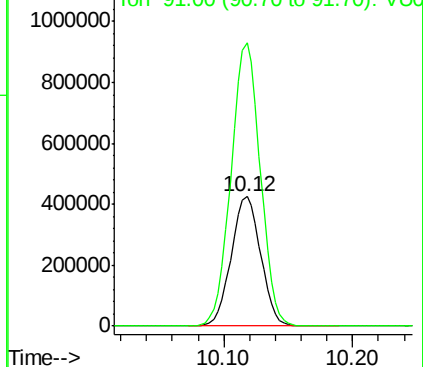
106 100

91 218.2 153.0 284.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 100.438 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037822.D

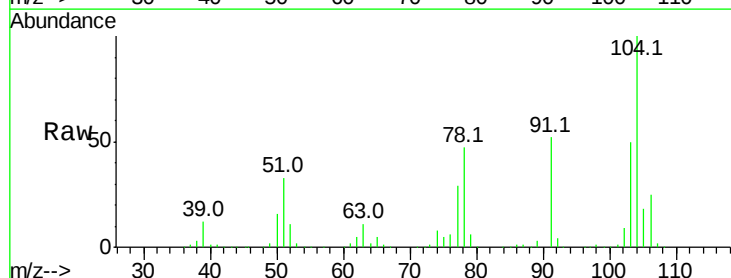
Acq: 21 Apr 2020 13:24

Tgt Ion:104 Resp: 1178599

Ion Ratio Lower Upper

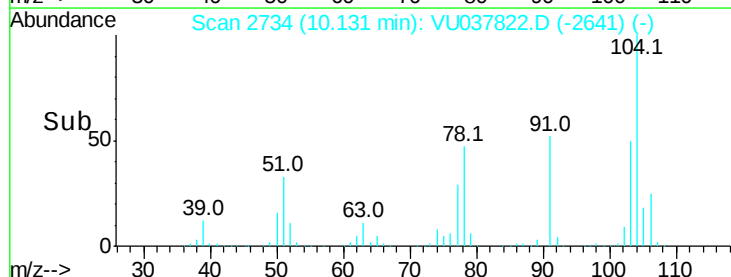
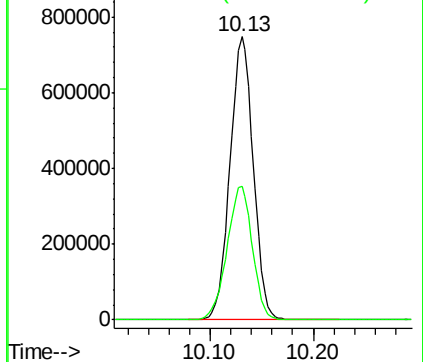
104 100

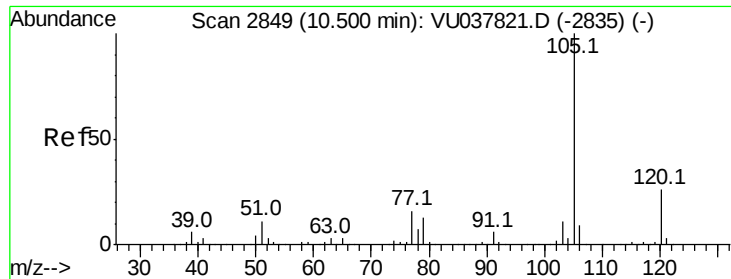
78 47.3 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 101.197 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

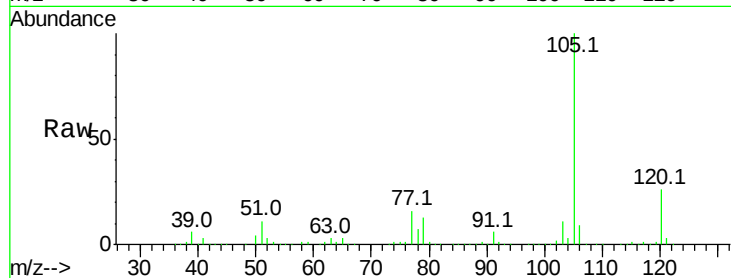
Tgt Ion:105 Resp: 1783299

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

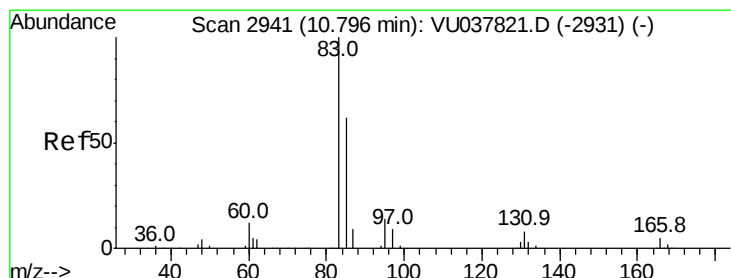
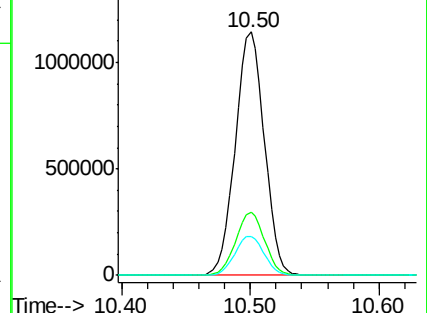
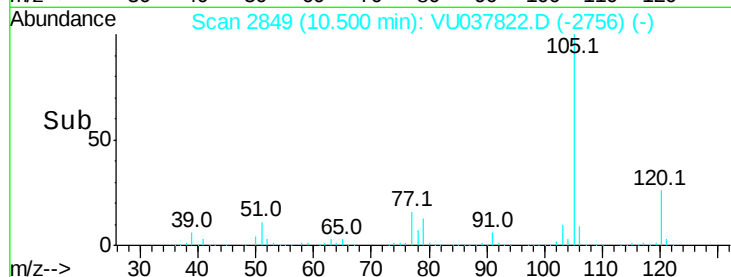
77 16.3 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 101.760 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

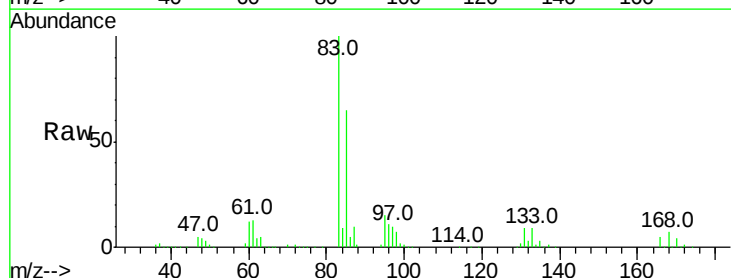
Tgt Ion: 83 Resp: 672224

Ion Ratio Lower Upper

83 100

85 64.8 44.7 83.1

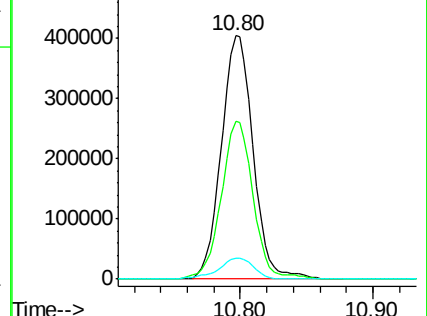
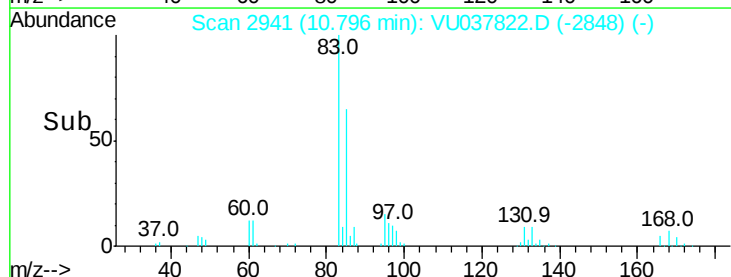
131 8.8 7.3 10.9

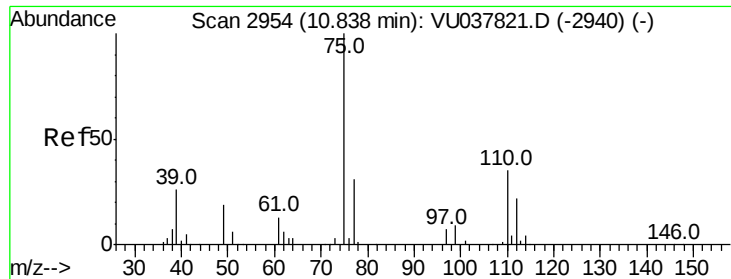


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 101.072 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

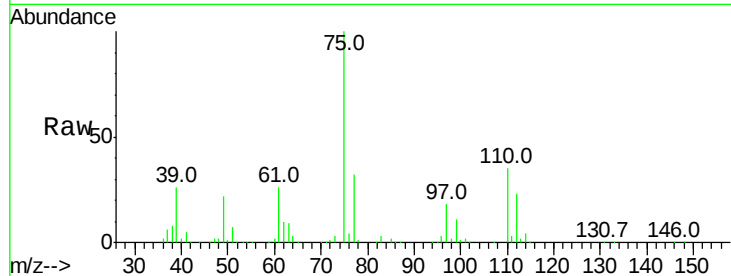
VSTD10035

Tgt Ion: 75 Resp: 569304

Ion Ratio Lower Upper

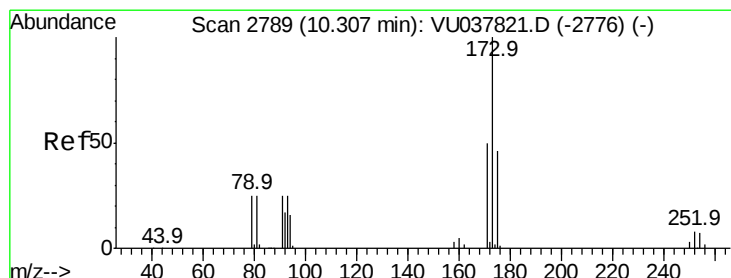
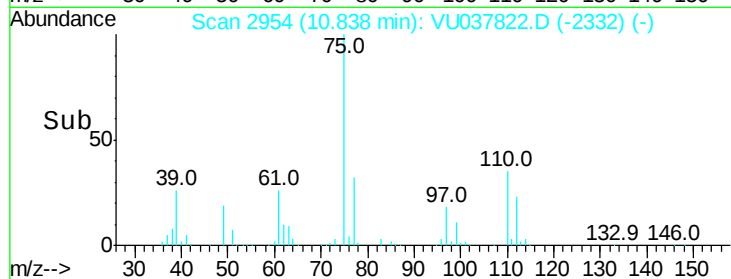
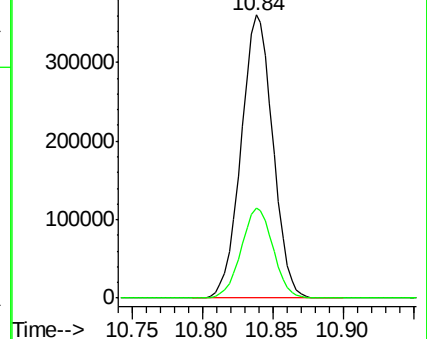
75 100

77 31.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU037821.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU037821.D (-2940) (-)



#61

Bromoform

Concen: 93.804 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

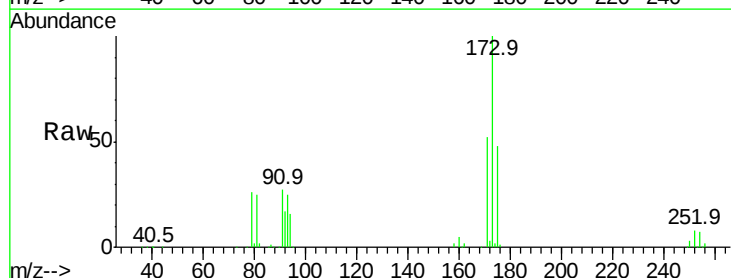
Tgt Ion: 173 Resp: 300743

Ion Ratio Lower Upper

173 100

175 48.1 37.4 56.2

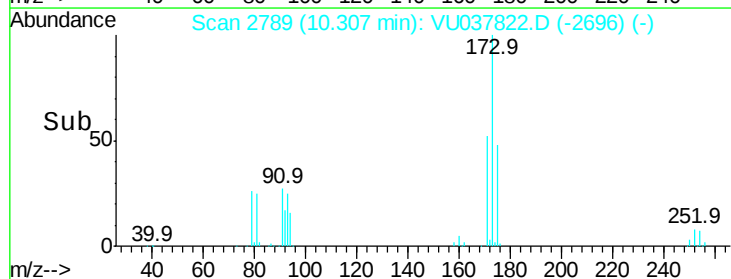
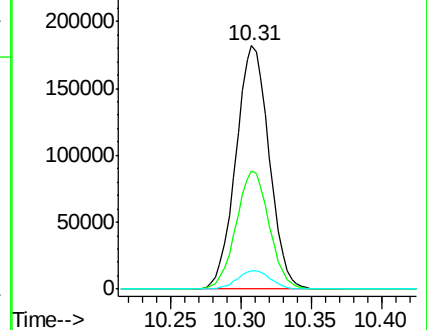
254 7.6 5.7 8.5

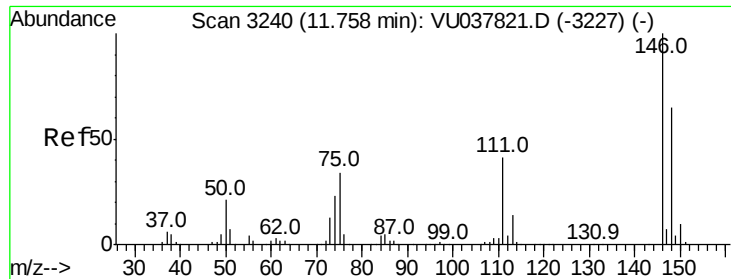


Abundance Ion 173.00 (172.70 to 173.70): VU037821.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU037821.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU037821.D (-2776) (-)





#62

1,3-Dichlorobenzene

Concen: 96.570 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

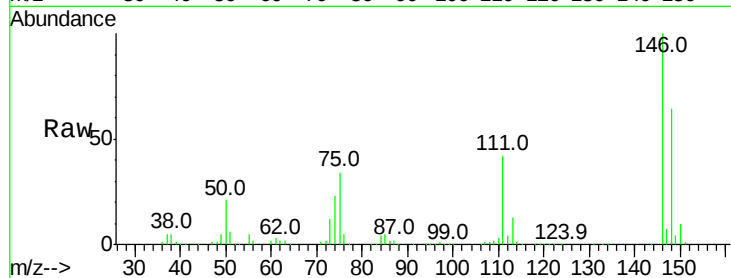
Tgt Ion:146 Resp: 786352

Ion Ratio Lower Upper

146 100

111 41.7 28.9 53.7

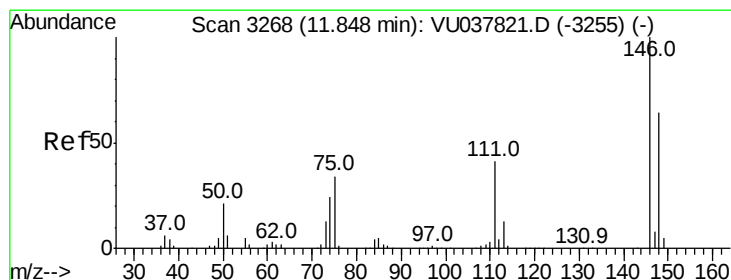
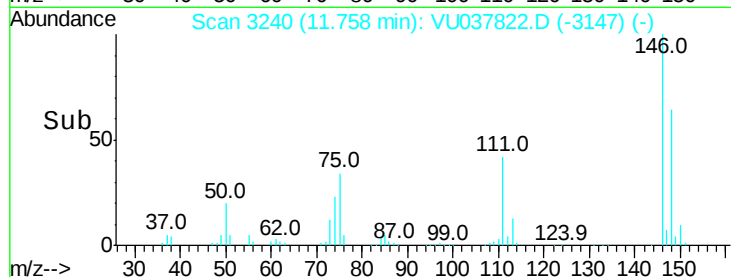
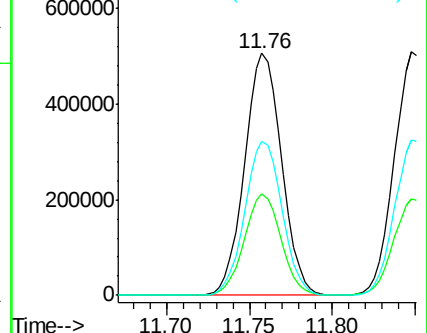
148 63.7 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 97.384 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

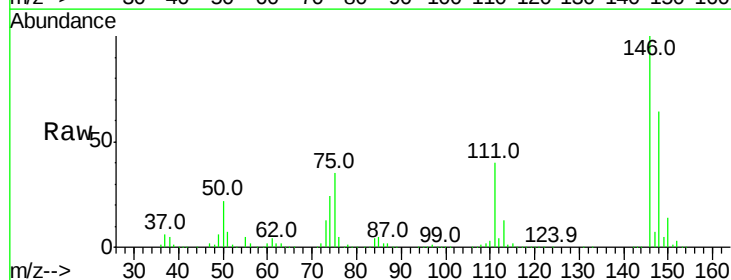
Tgt Ion:146 Resp: 795614

Ion Ratio Lower Upper

146 100

111 39.6 28.6 53.2

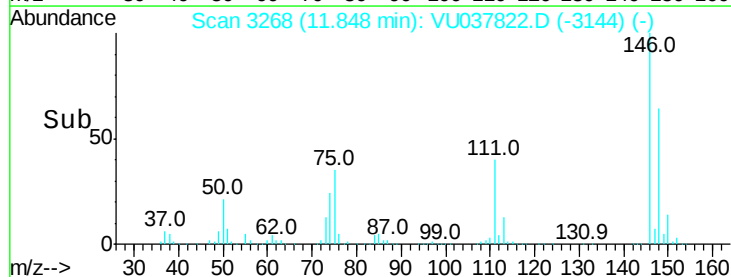
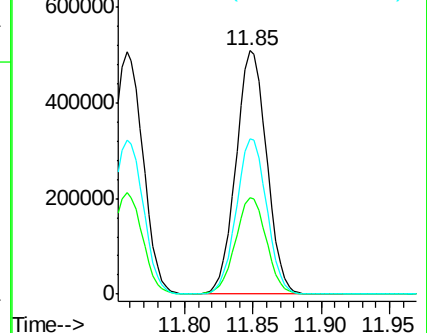
148 63.9 44.7 82.9

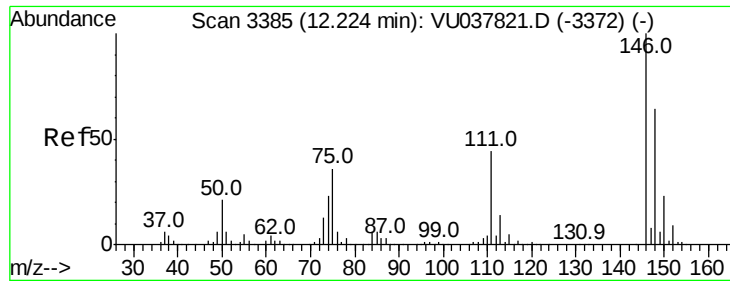


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 96.872 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

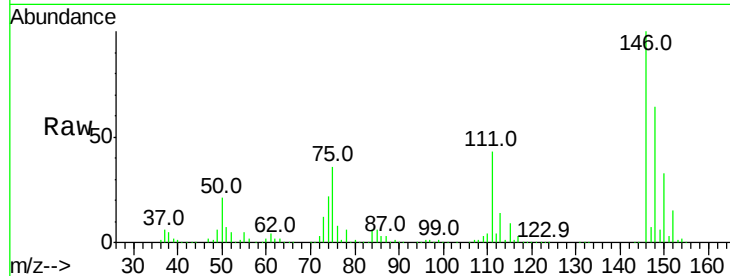
Tgt Ion:146 Resp: 777386

Ion Ratio Lower Upper

146 100

111 43.0 35.3 52.9

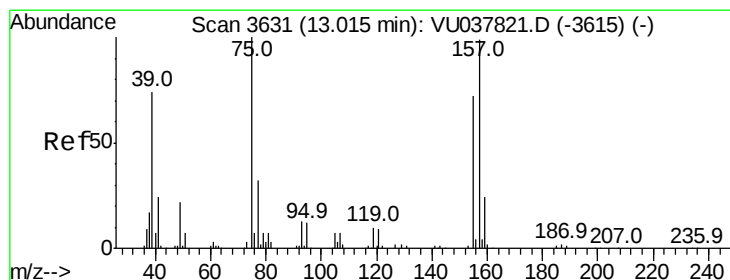
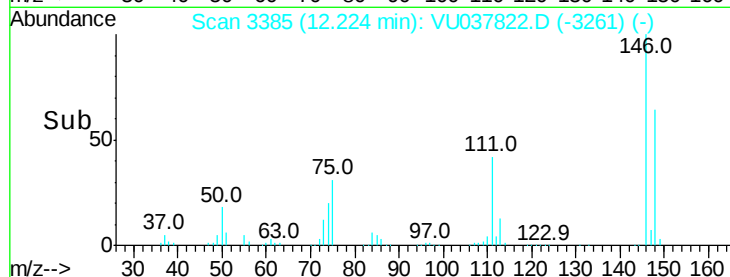
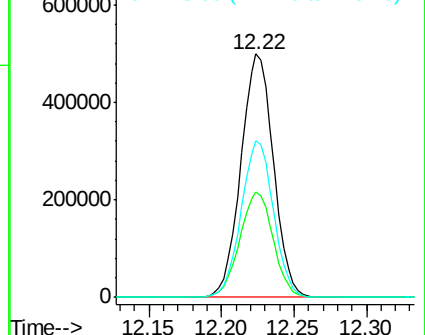
148 64.1 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 95.439 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

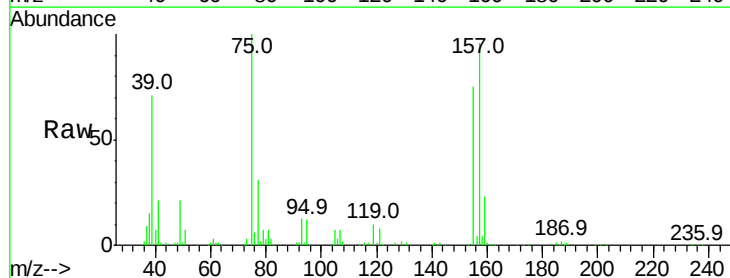
Tgt Ion: 75 Resp: 177417

Ion Ratio Lower Upper

75 100

155 75.3 57.6 86.4

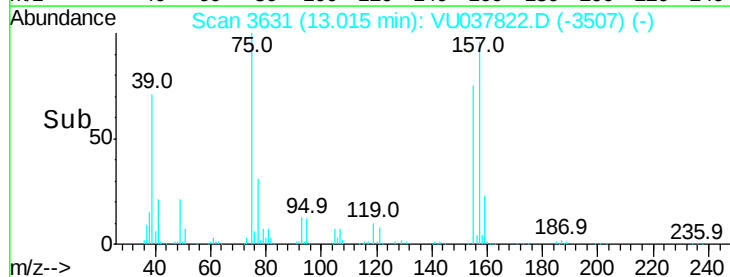
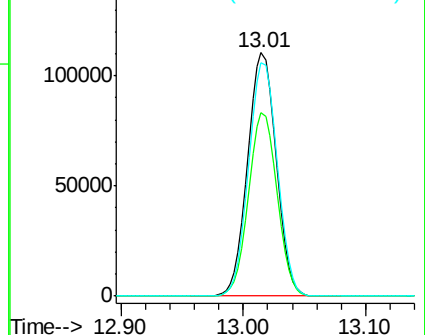
157 95.7 79.2 118.8

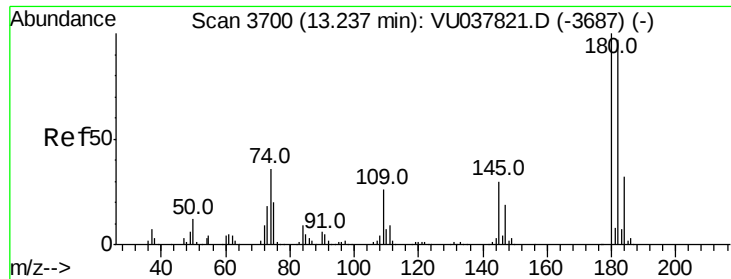


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

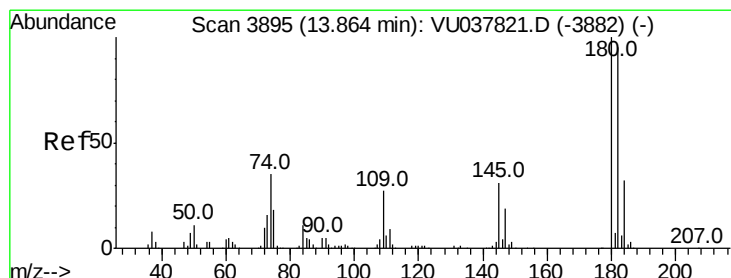
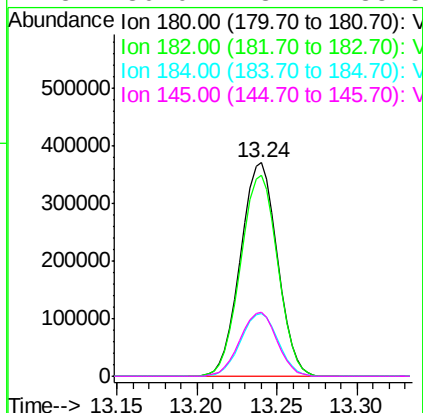
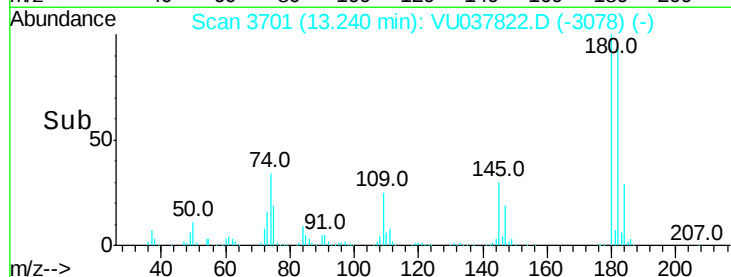
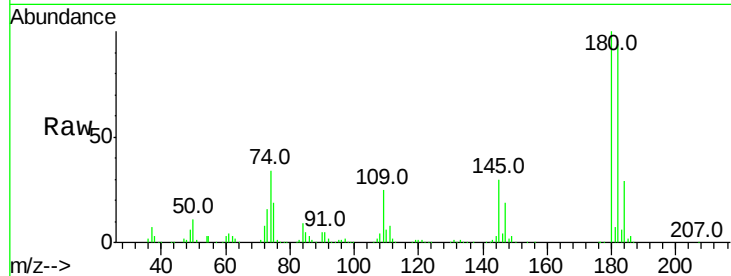




#67
 1,3,5-Trichlorobenzene
 Concen: 97.577 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037822.D
 Acq: 21 Apr 2020 13:24

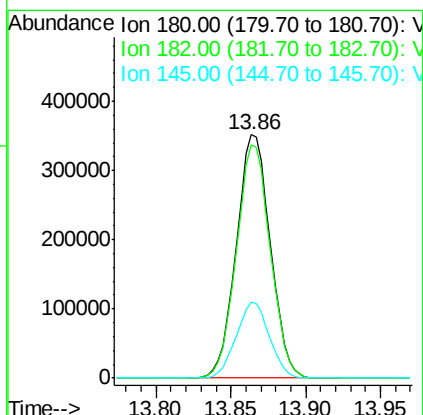
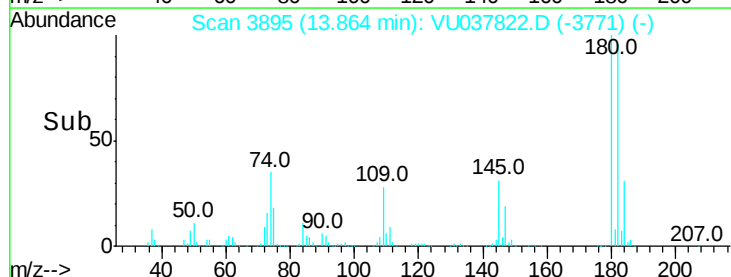
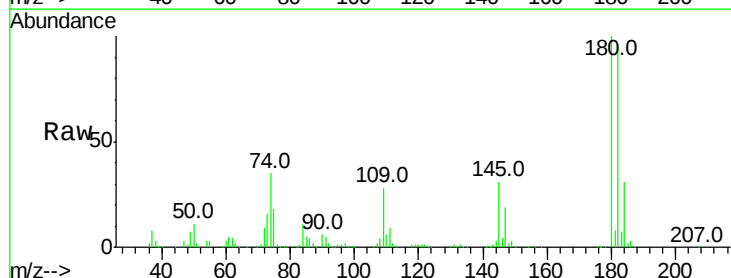
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

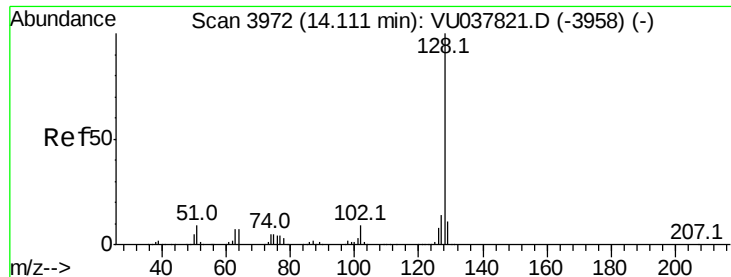
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.6
184	29.8	24.7	37.1
145	30.0	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 96.571 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU037822.D
 Acq: 21 Apr 2020 13:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.4
145	30.7	24.3	36.5





#69

Naphthalene

Concen: 91.913 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

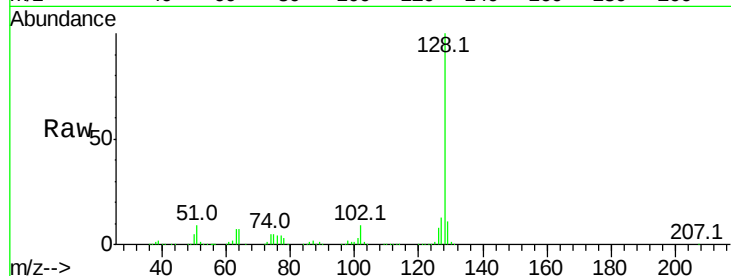
Tgt Ion:128 Resp: 1947544

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

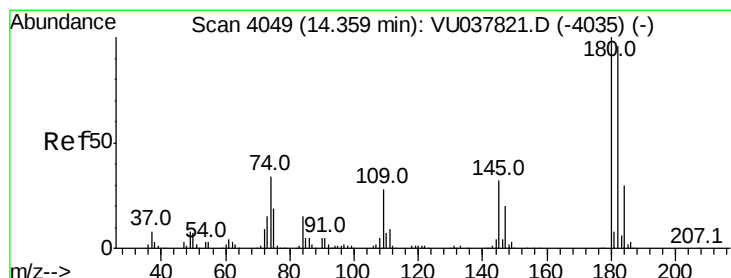
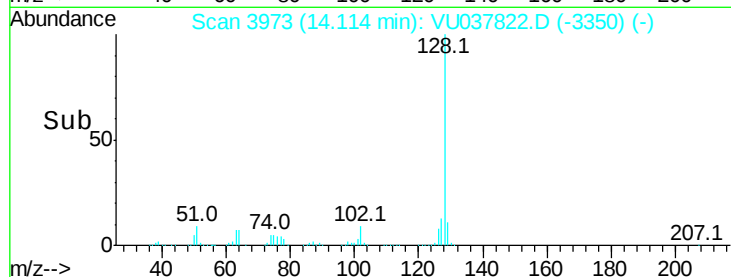
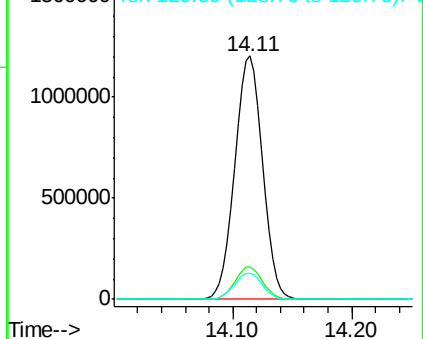
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 96.067 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037822.D

Acq: 21 Apr 2020 13:24

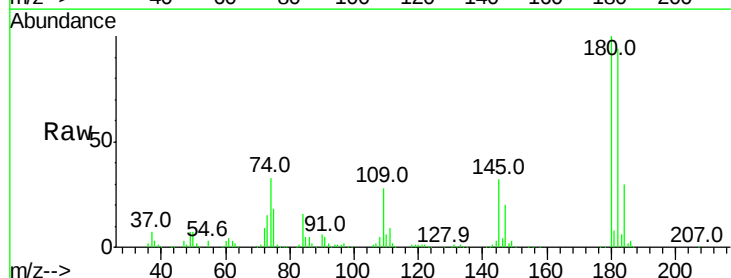
Tgt Ion:180 Resp: 549672

Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.4

145 32.8 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

