

Data File : VU037414.D
Acq On : 28 Mar 2020 12:05
Operator : JC/MD
Sample : VSTD0205
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Quant Time: Mar 28 12:33:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 28 11:41:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	120867	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	113525	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	59405	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	173033	21.65	ug/L	0.00
7) Chloroethane-d5	1.93	69	113475	17.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	348568	22.20	ug/L	0.00
20) 2-Butanone-d5	4.67	46	488669	256.91	ug/L	0.00
24) Chloroform-d	5.10	84	347566	21.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	186390	19.66	ug/L	0.00
32) Benzene-d6	5.76	84	658339	23.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	212908	24.52	ug/L	0.00
41) Toluene-d8	7.93	98	623265	22.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	98364	24.83	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	411952	278.19	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	175034	24.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	226882	20.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	195944	14.609 ug/L	99
3) Chloromethane	1.53	50	174327	12.888 ug/L	100
5) Vinyl chloride	1.61	62	185607	15.500 ug/L	99
6) Bromomethane	1.87	94	91312	19.009 ug/L	99
8) Chloroethane	1.94	64	82843	12.481 ug/L	95
9) Trichlorofluoromethane	2.15	101	254928	14.011 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	154330	18.297 ug/L	98
12) 1,1-Dichloroethene	2.60	96	152330	19.497 ug/L	97
13) Acetone	2.67	43	266832	199.882 ug/L	99
14) Carbon disulfide	2.82	76	532943	19.780 ug/L	99
15) Methyl Acetate	2.98	43	71958	20.422 ug/L	99
16) Methylene chloride	3.08	84	165748	19.213 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	430044	20.819 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	167076	20.127 ug/L	99
19) 1,1-Dichloroethane	3.91	63	308699	19.354 ug/L	96
21) 2-Butanone	4.75	43	471820	208.685 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	180612	19.954 ug/L	# 98
23) Bromochloromethane	5.02	128	81880	19.692 ug/L	94
25) Chloroform	5.13	83	311189	17.542 ug/L	98
27) 1,2-Dichloroethane	5.83	62	212034	17.551 ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	288596	19.020 ug/L	99
30) Cyclohexane	5.42	56	287288	22.285 ug/L	98
31) Carbon tetrachloride	5.56	117	251343	19.102 ug/L	99
33) Benzene	5.81	78	672204	20.717 ug/L	100
34) Trichloroethene	6.57	95	185217	20.767 ug/L	97
35) Methylcyclohexane	6.79	83	294931	22.322 ug/L	98
37) 1,2-Dichloropropane	6.82	63	175980	20.704 ug/L	99
38) Bromodichloromethane	7.14	83	240916	20.657 ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	292806	23.251 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	1157781	217.248 ug/L	100

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	732019	20.851	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	255281	22.181	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	125434	20.526	ug/L	95
47) Tetrachloroethene	8.57	164	136492	18.924	ug/L	98
48) 2-Hexanone	8.71	43	837967	220.672	ug/L	99
49) Dibromochloromethane	8.84	129	166385	20.810	ug/L	100
50) 1,2-Dibromoethane	8.95	107	127130	21.187	ug/L	96
51) Chlorobenzene	9.47	112	463387	20.369	ug/L	99
52) Ethylbenzene	9.59	91	832263	21.236	ug/L	99
53) m,p-Xylene	9.71	106	316076	22.105	ug/L	100
54) o-Xylene	10.12	106	308802	22.108	ug/L	97
55) Styrene	10.13	104	534500	22.960	ug/L	98
56) Isopropylbenzene	10.50	105	820437	21.292	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	164758	21.450	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	118930	20.869	ug/L	96
61) Bromoform	10.31	173	103589	20.770	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	375394	19.864	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	376551	19.715	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	350216	19.292	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	34607	24.790	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	294793	21.066	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	276388	26.959	ug/L	99
69) Naphthalene	14.11	128	549520	39.050	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	249300	25.721	ug/L	98

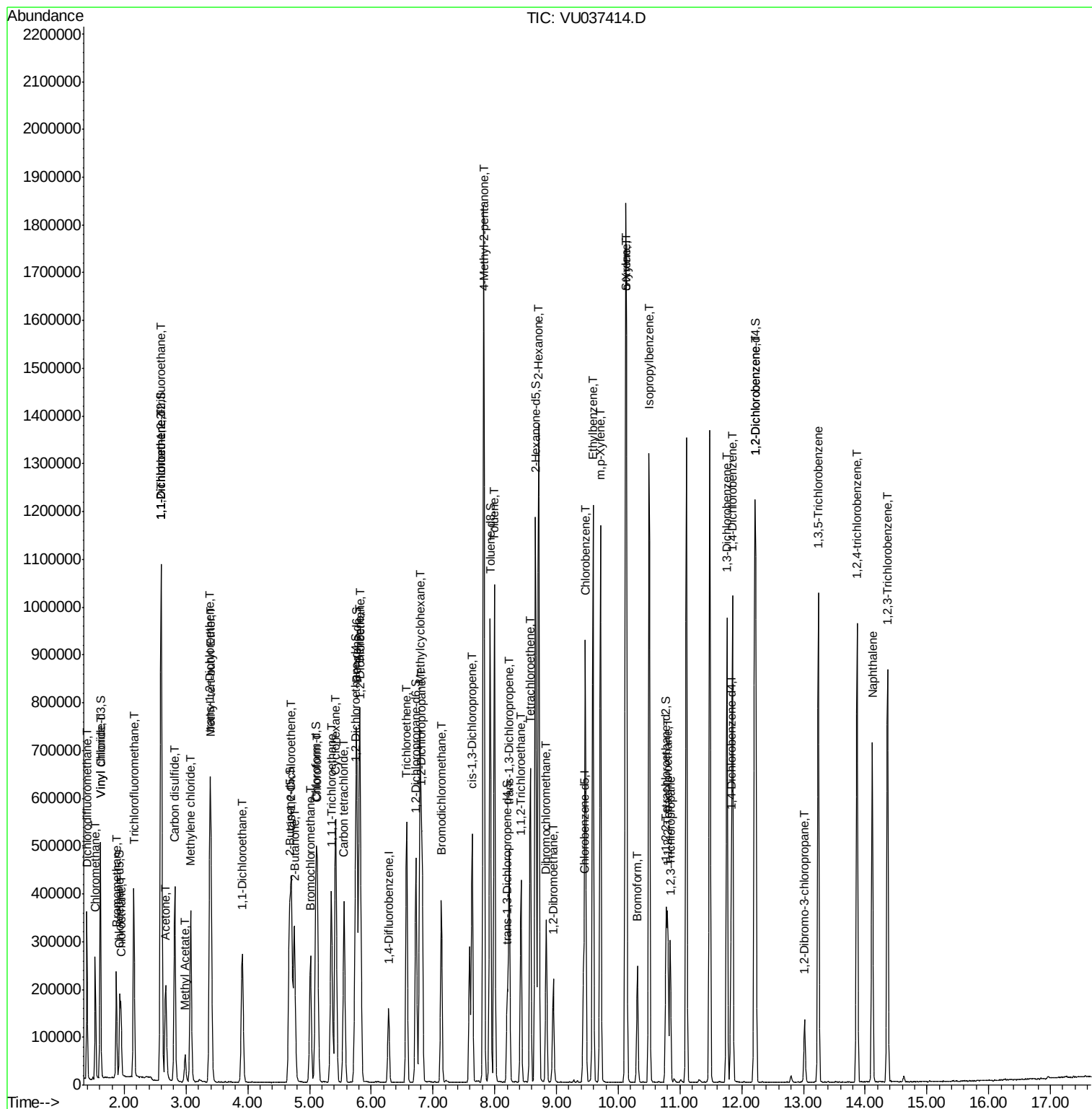
(#) = qualifier out of range (m) = manual integration (+) = signals summed

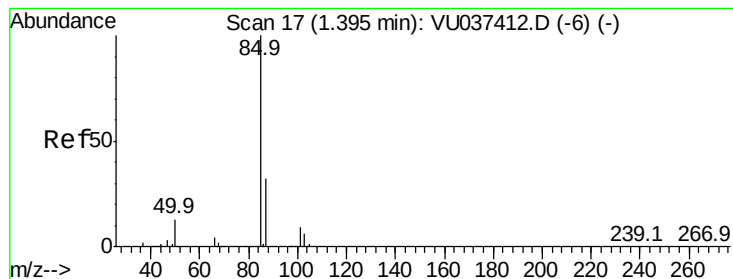
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#2

Dichlorodifluoromethane

Concen: 14.609 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

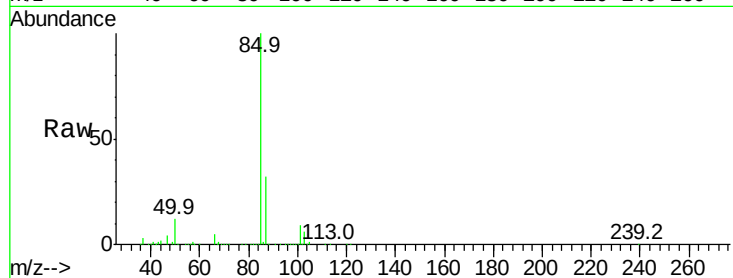
VSTD02006

Tgt Ion: 85 Resp: 195944

Ion Ratio Lower Upper

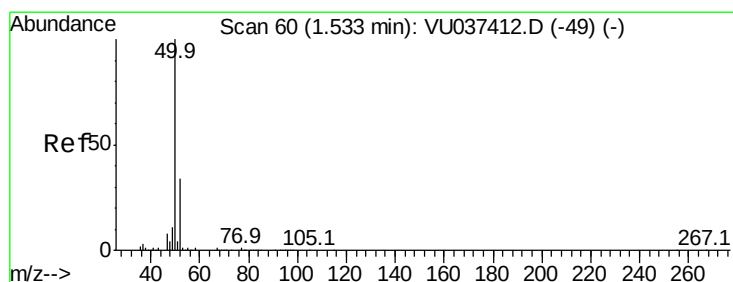
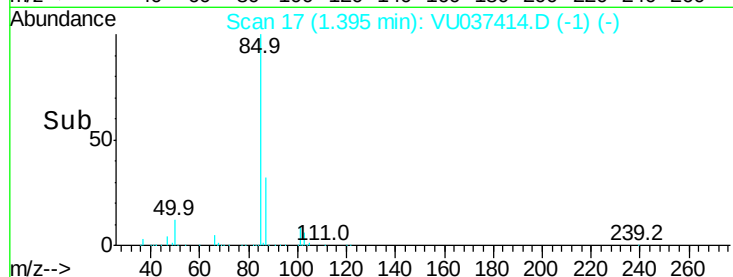
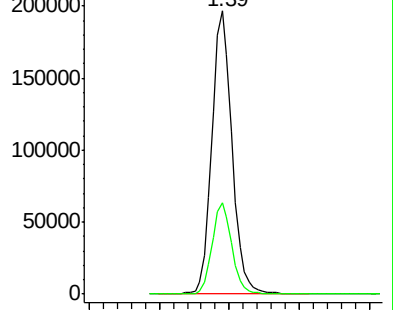
85 100

87 31.7 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU037414.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU037414.D (-6) (-)



#3

Chloromethane

Concen: 12.888 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU037414.D

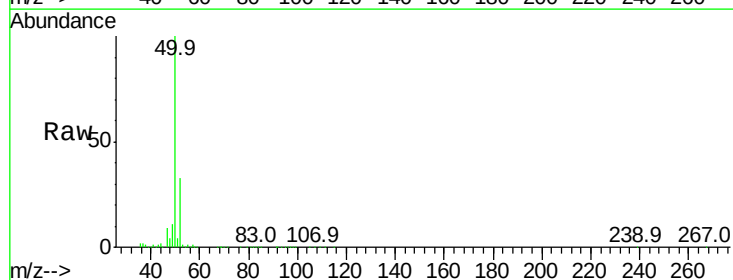
Acq: 28 Mar 2020 12:05

Tgt Ion: 50 Resp: 174327

Ion Ratio Lower Upper

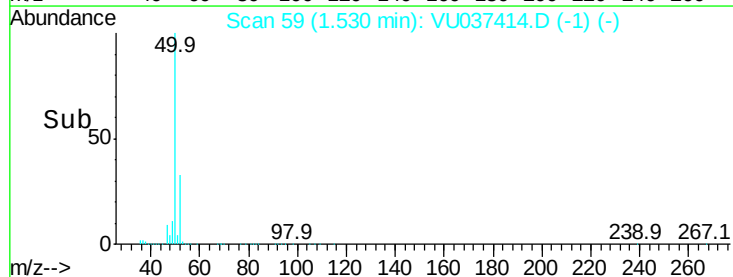
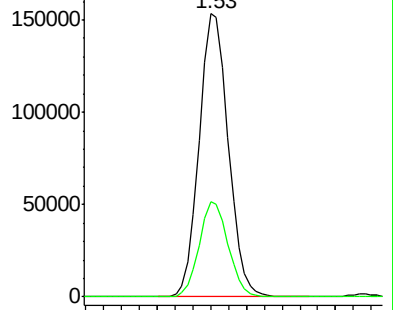
50 100

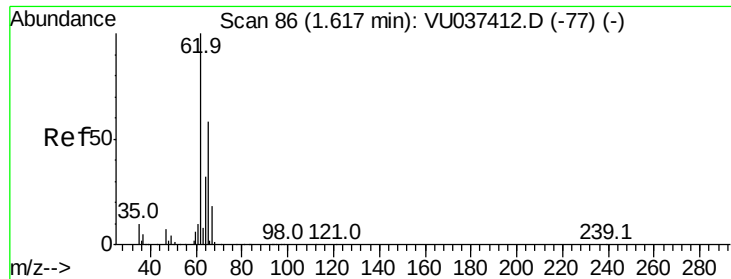
52 33.4 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU037414.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU037414.D (-49) (-)





#5

Vinyl chloride

Concen: 15.500 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

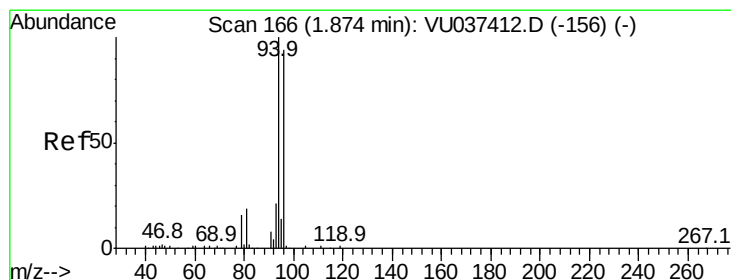
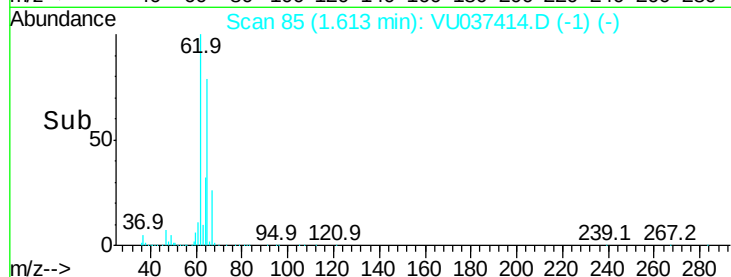
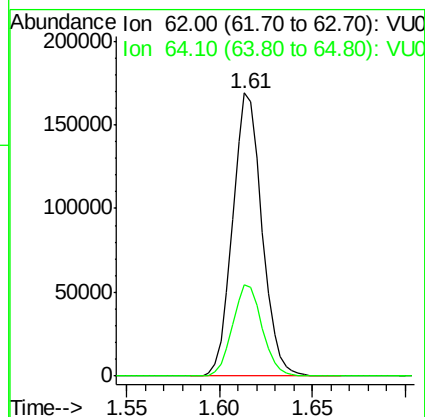
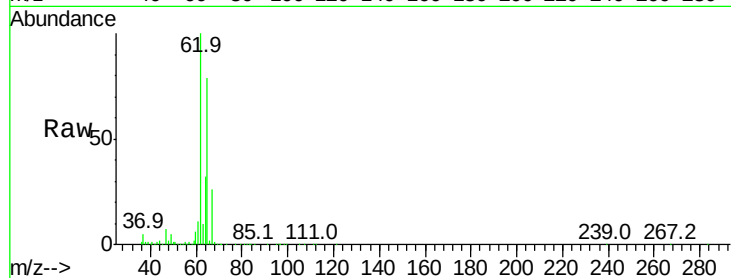
VSTD02006

Tgt Ion: 62 Resp: 185607

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



#6

Bromomethane

Concen: 19.009 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037414.D

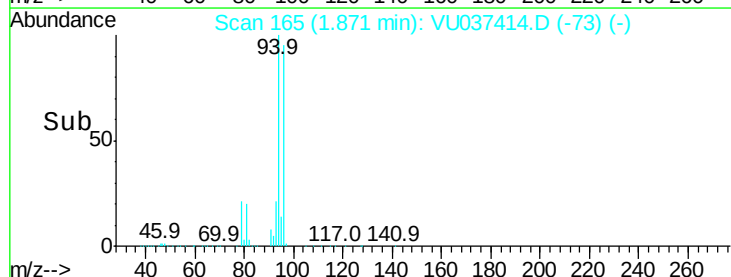
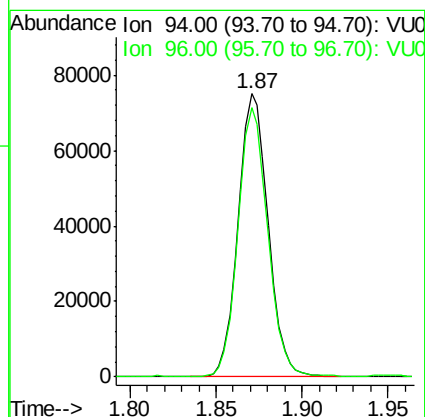
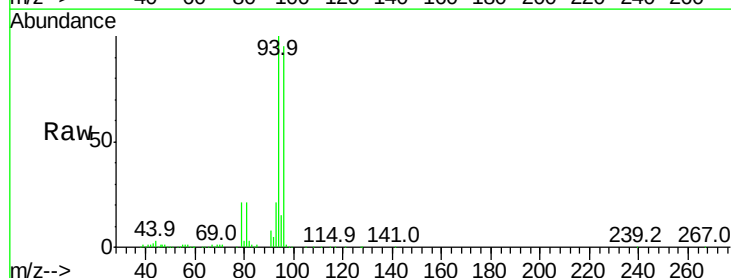
Acq: 28 Mar 2020 12:05

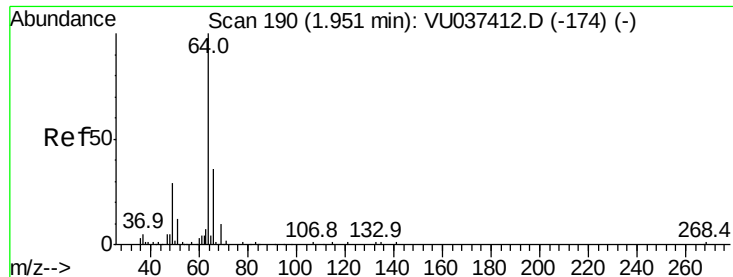
Tgt Ion: 94 Resp: 91312

Ion Ratio Lower Upper

94 100

96 95.0 66.8 124.2

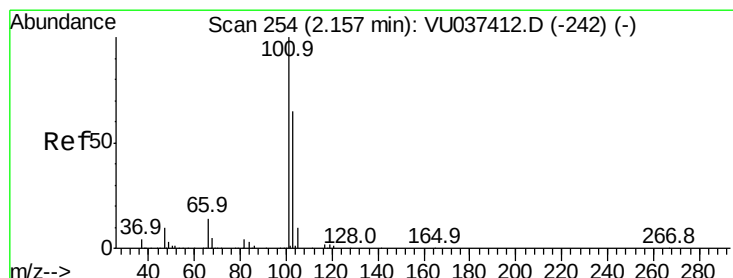
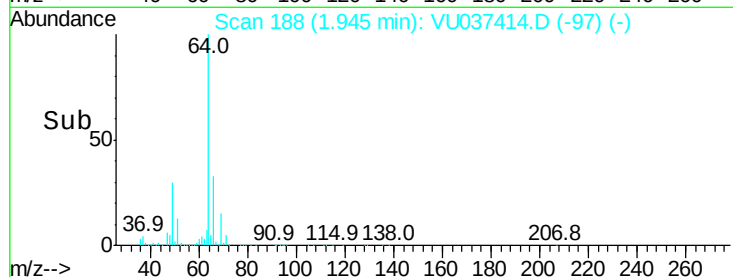
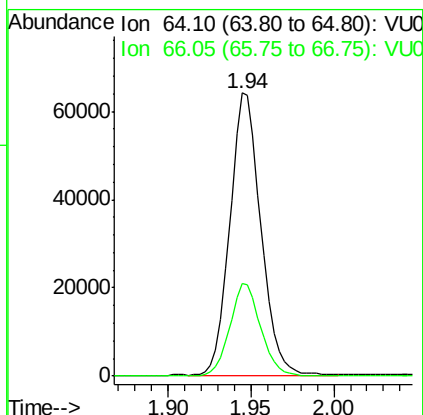
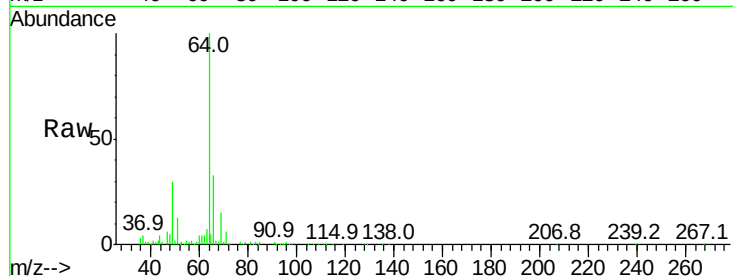




#8
 Chloroethane
 Concen: 12.481 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

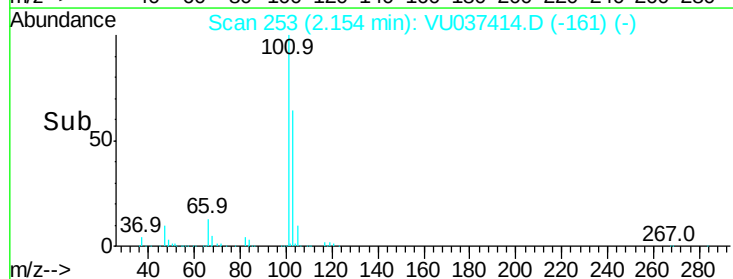
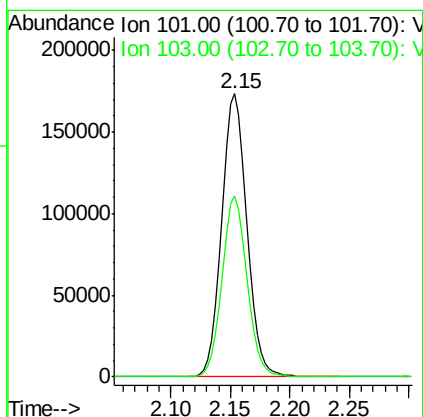
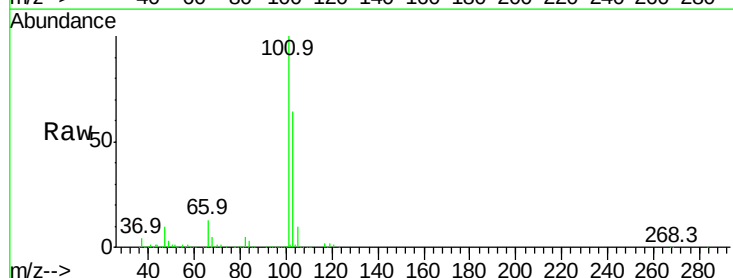
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

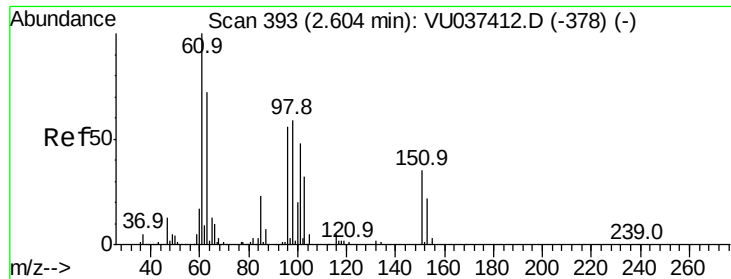
Tgt Ion: 64 Resp: 82843
 Ion Ratio Lower Upper
 64 100
 66 32.6 24.8 46.0



#9
 Trichlorofluoromethane
 Concen: 14.011 ug/L
 RT: 2.15 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

Tgt Ion: 101 Resp: 254928
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.8 77.6





#10

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

Concen: 18.297 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

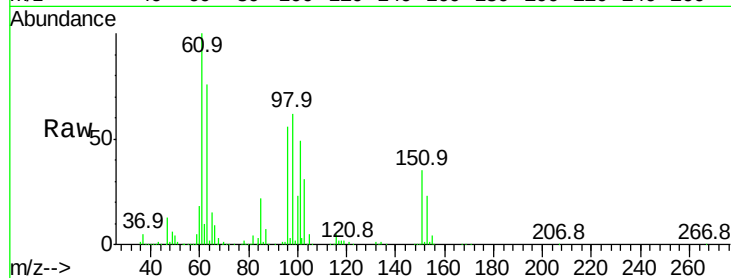
Tgt Ion: 101 Resp: 154330

Ion Ratio Lower Upper

101 100

85 45.8 39.0 58.6

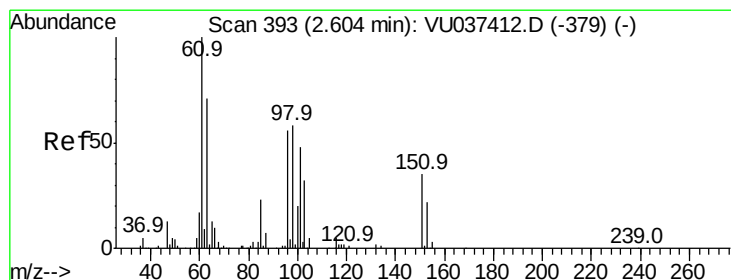
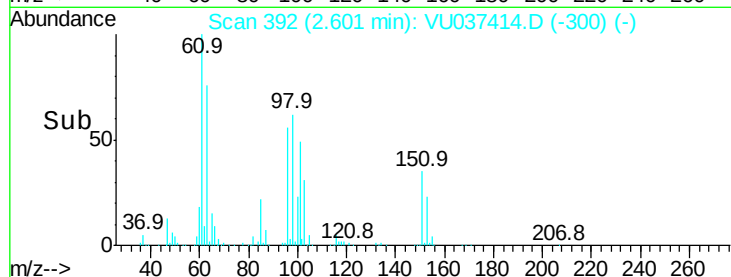
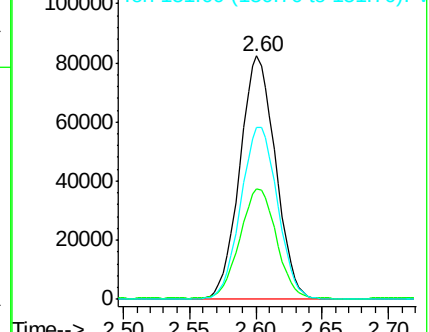
151 72.9 58.8 88.2



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: 19.497 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

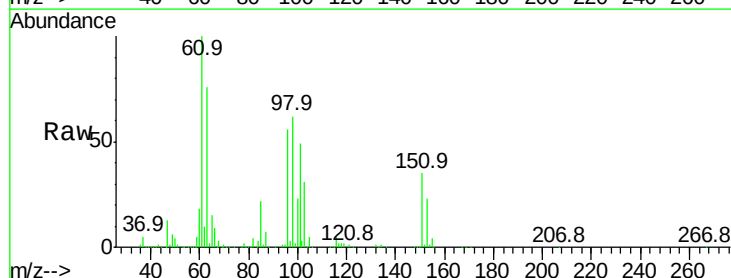
Tgt Ion: 96 Resp: 152330

Ion Ratio Lower Upper

96 100

61 179.5 125.4 232.8

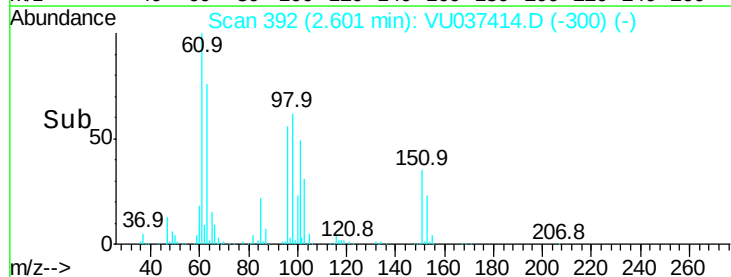
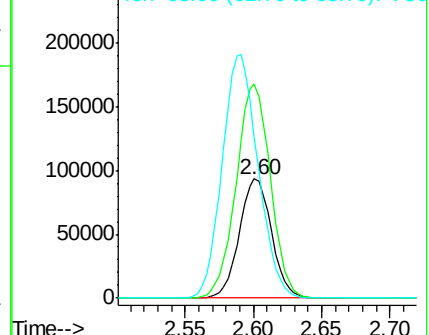
63 136.3 90.9 168.7

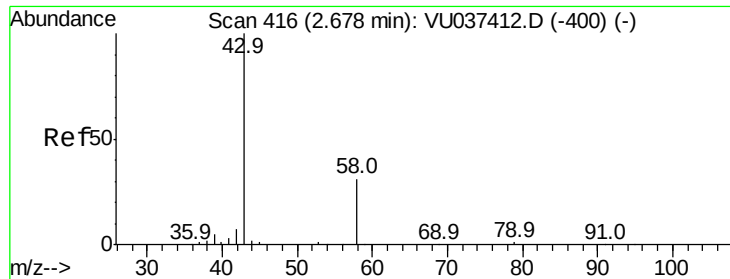


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 199.882 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampled :

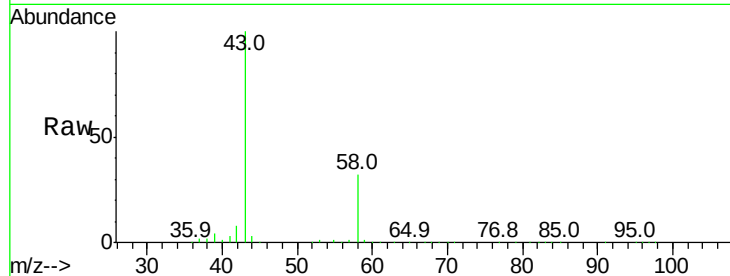
VSTD02006

Tgt Ion: 43 Resp: 266832

Ion Ratio Lower Upper

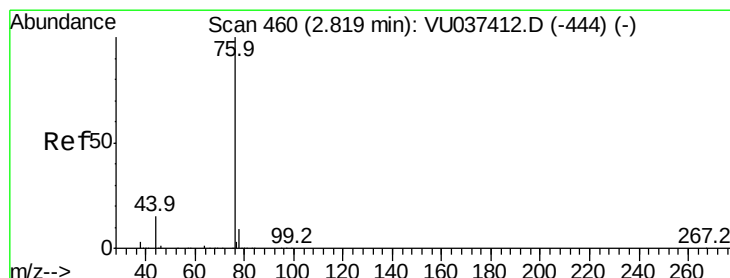
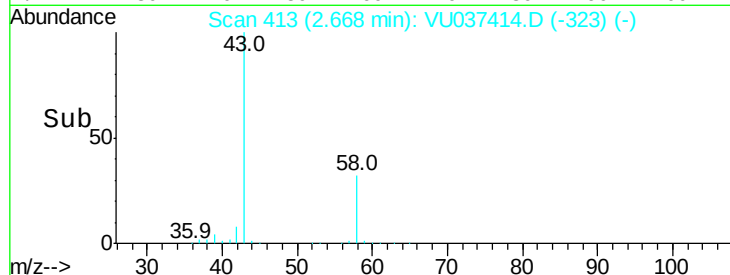
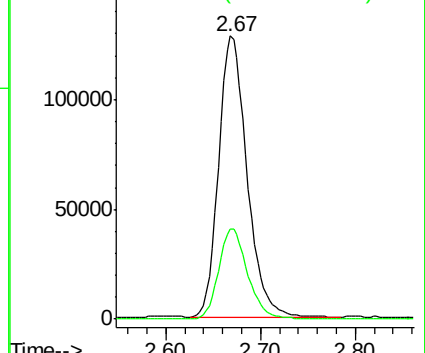
43 100

58 32.4 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU037414.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU037414.D (-323) (-)



#14

Carbon disulfide

Concen: 19.780 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037414.D

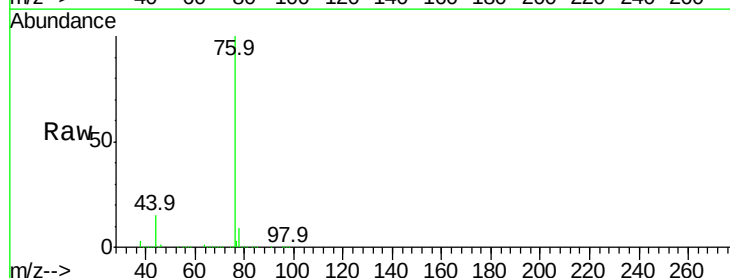
Acq: 28 Mar 2020 12:05

Tgt Ion: 76 Resp: 532943

Ion Ratio Lower Upper

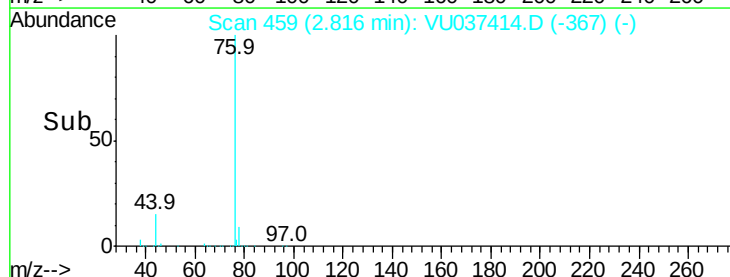
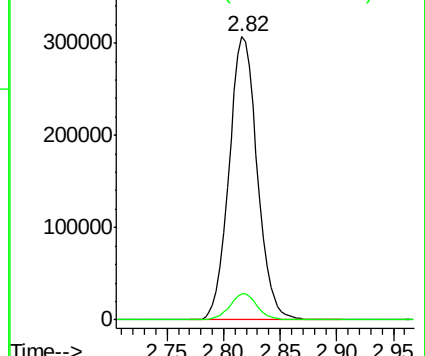
76 100

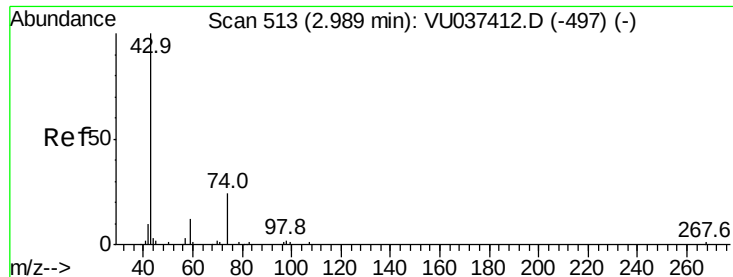
78 9.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037414.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037414.D (-367) (-)

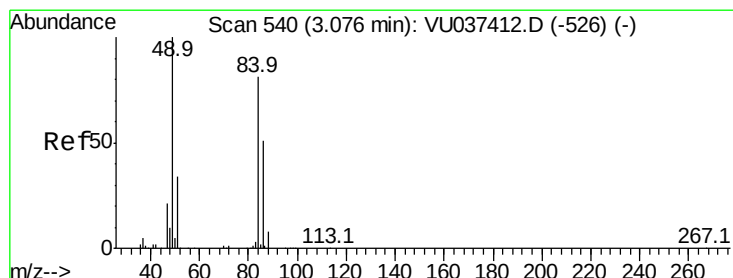
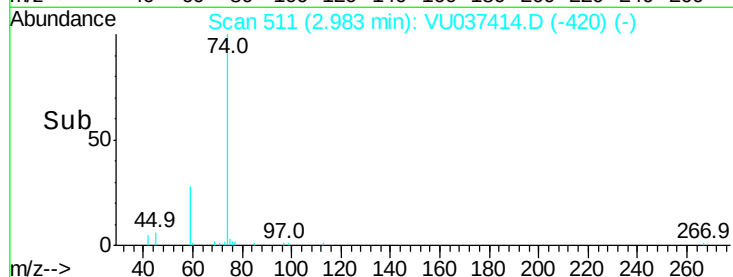
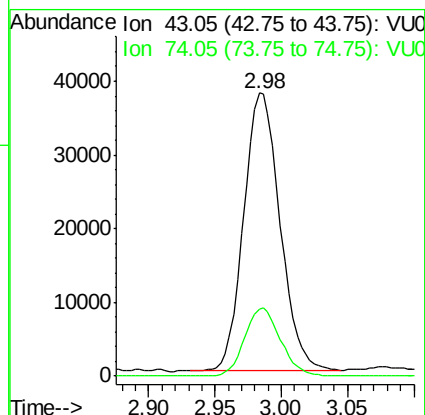
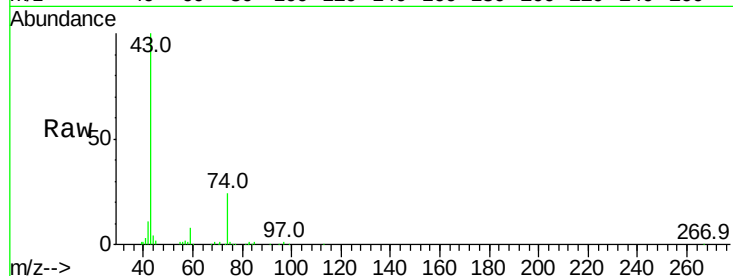




#15
Methyl Acetate
Concen: 20.422 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.01 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

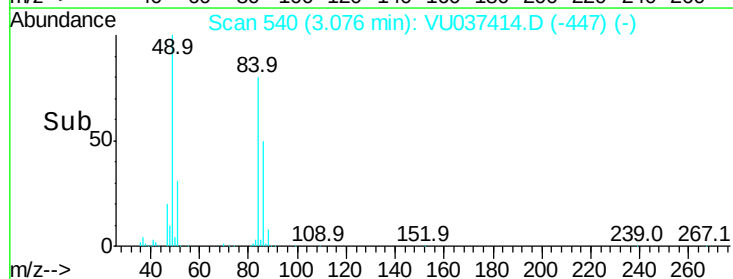
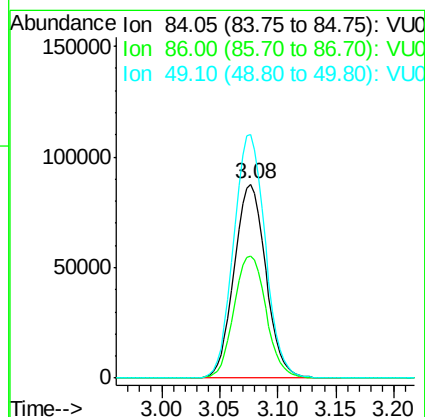
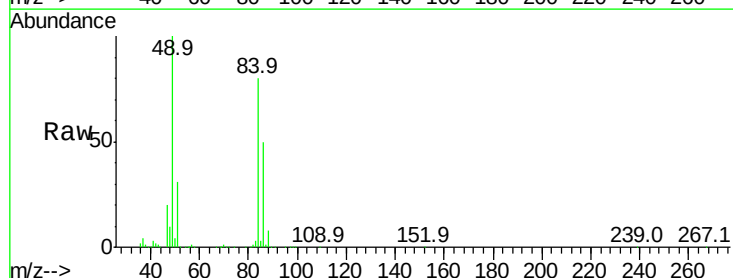
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

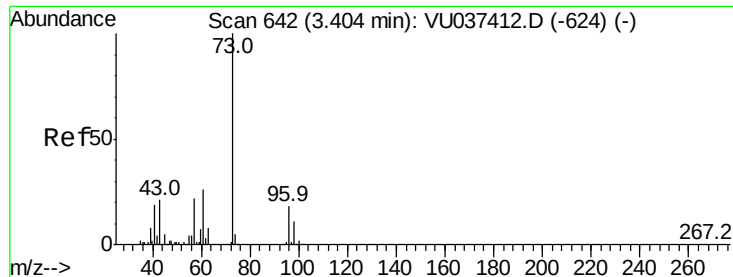
Tgt Ion: 43 Resp: 71958
Ion Ratio Lower Upper
43 100
74 24.0 19.8 29.6



#16
Methylene chloride
Concen: 19.213 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

Tgt Ion: 84 Resp: 165748
Ion Ratio Lower Upper
84 100
86 62.8 43.6 81.0
49 125.4 86.4 160.4

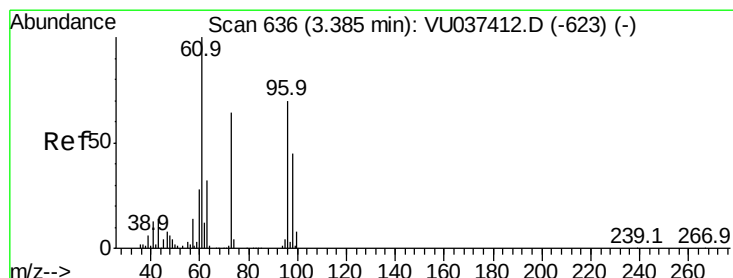
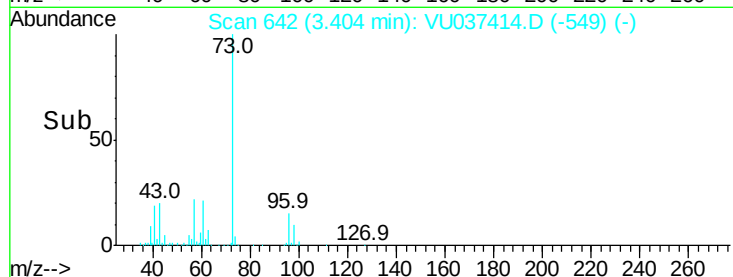
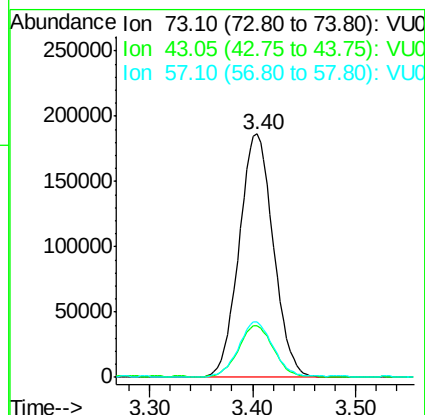
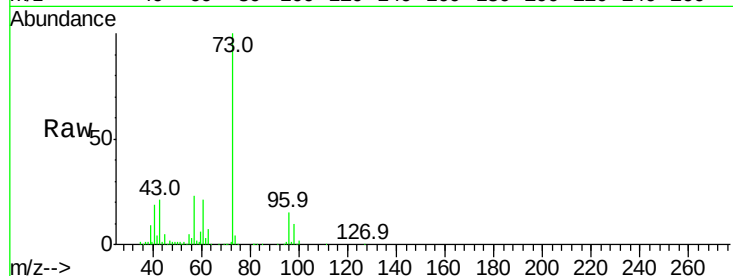




#17
Methyl tert-butyl Ether
Concen: 20.819 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

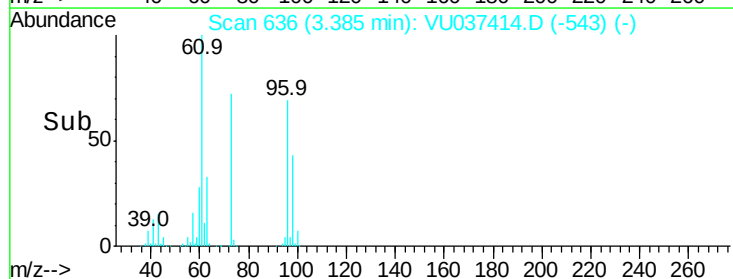
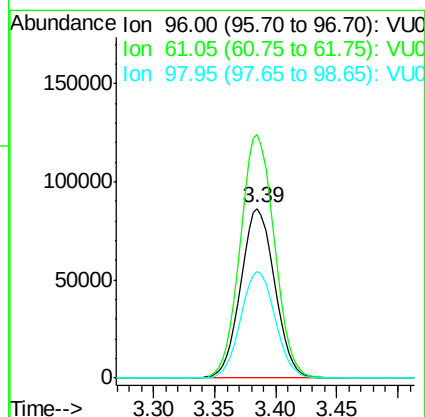
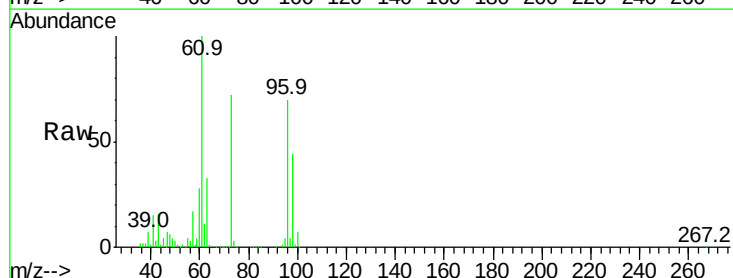
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

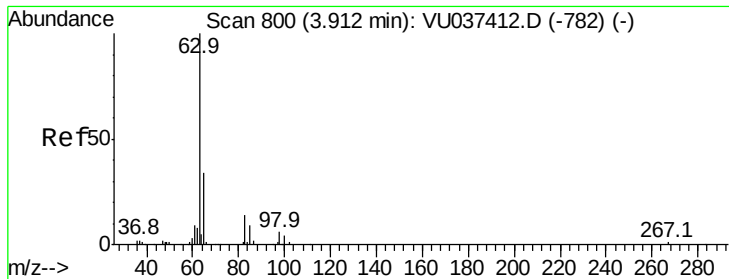
Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.4	26.2
57	22.4	17.3	25.9



#18
trans-1,2-Dichloroethene
Concen: 20.127 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.8	99.9	185.5
98	62.7	45.4	84.4

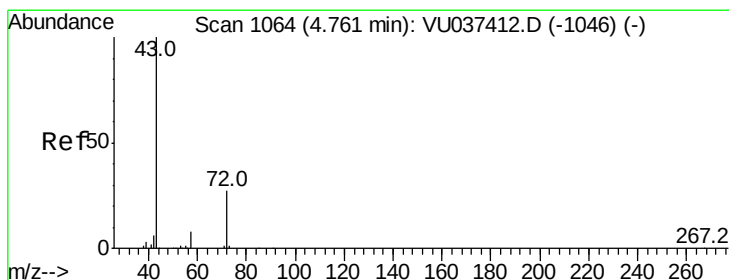
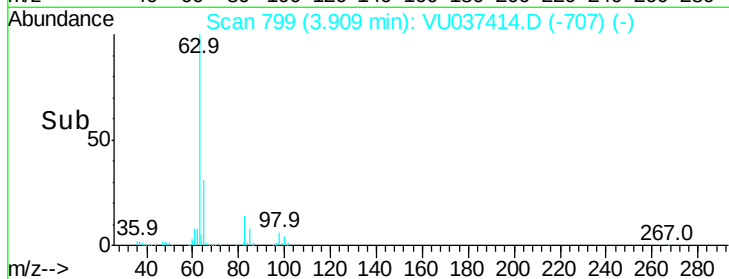
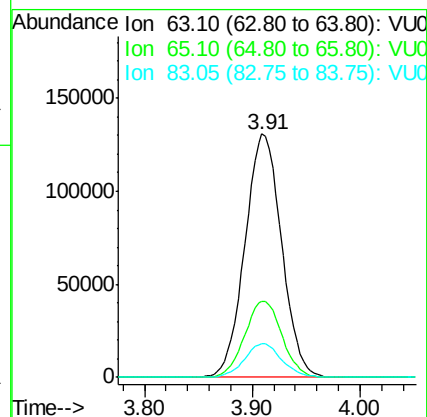
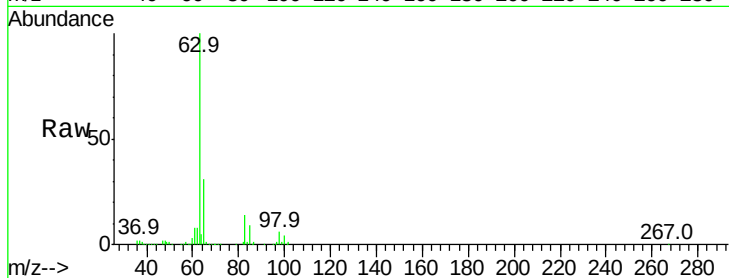




#19
 1,1-Dichloroethane
 Concen: 19.354 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

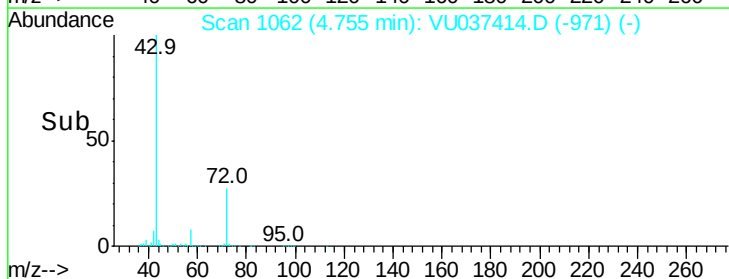
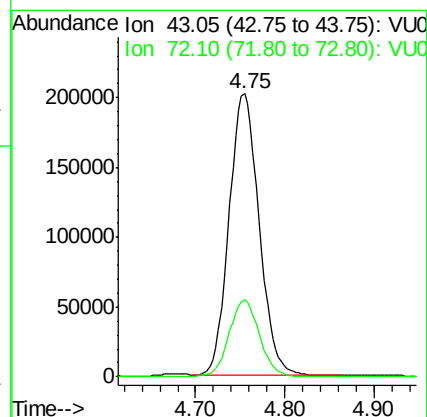
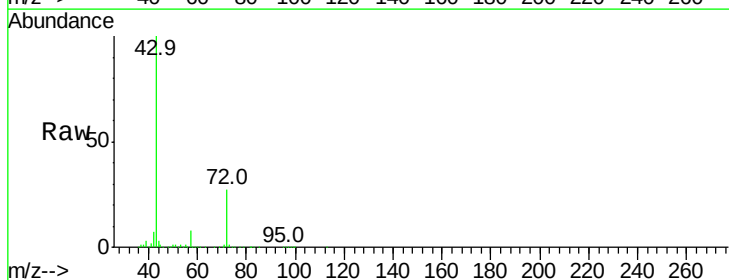
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

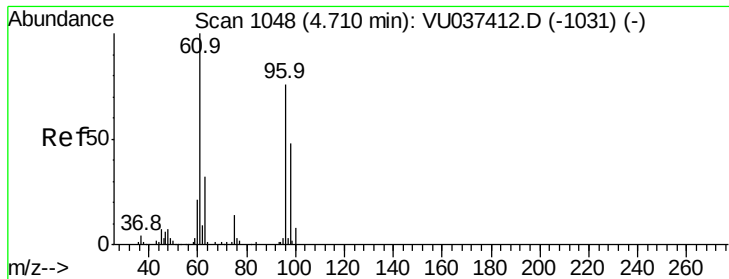
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.7	43.9
83	13.8	10.6	19.6



#21
 2-Butanone
 Concen: 208.685 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.0	14.2	42.6





#22

cis-1,2-Dichloroethene

Concen: 19.954 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

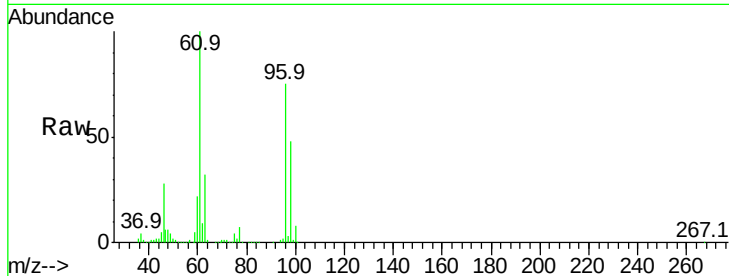
Tgt Ion: 96 Resp: 180612

Ion Ratio Lower Upper

96 100

61 133.8 91.6 170.2

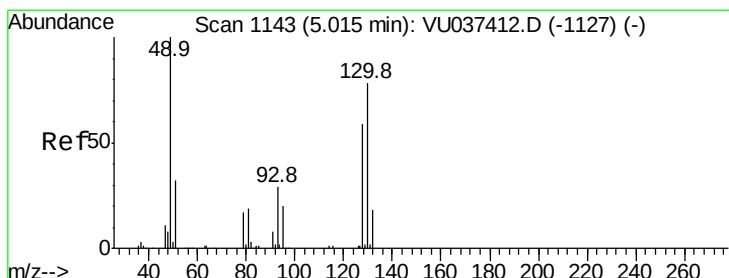
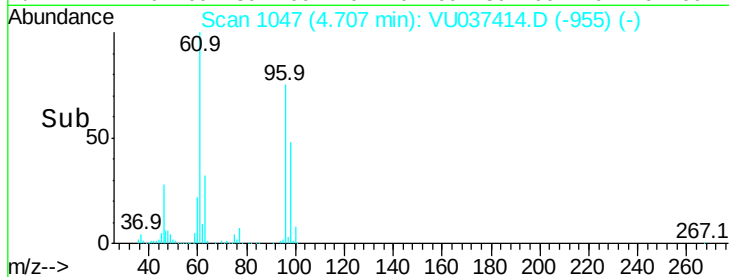
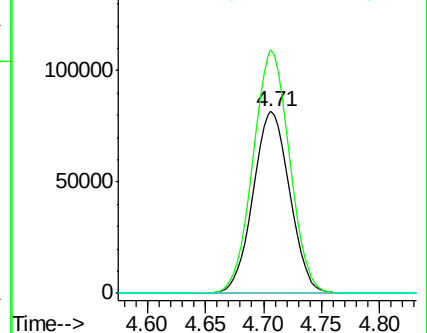
68 0.1 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU037414.D (-1031) (-)

Ion 61.05 (60.75 to 61.75): VU037414.D (-1031) (-)

Ion 68.15 (67.85 to 68.85): VU037414.D (-1031) (-)



#23

Bromochloromethane

Concen: 19.692 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Tgt Ion: 128 Resp: 81880

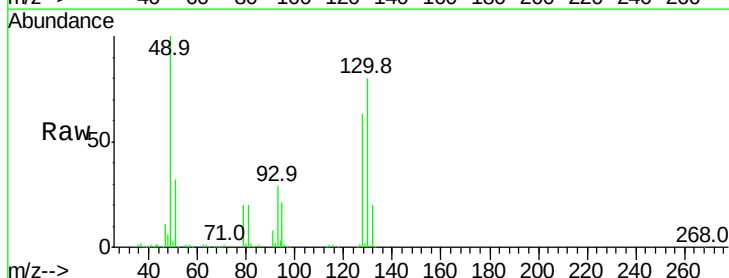
Ion Ratio Lower Upper

128 100

49 158.8 119.1 221.3

130 127.3 92.6 172.0

51 50.4 43.7 65.5

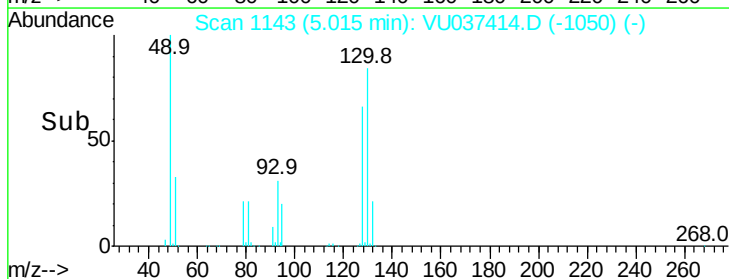
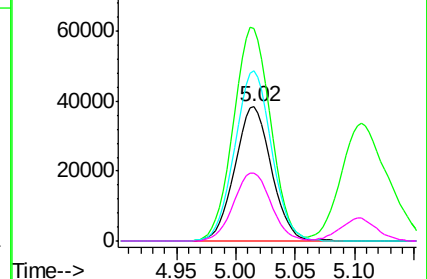


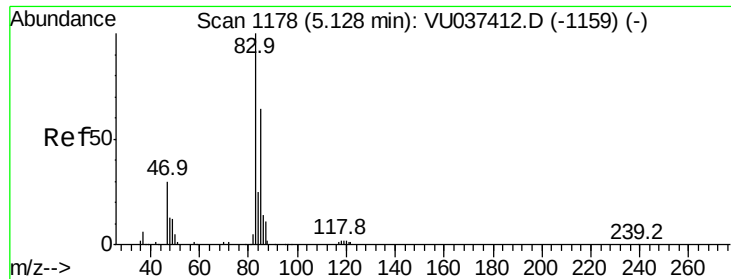
Abundance Ion 127.90 (127.60 to 128.60): VU037414.D (-1127) (-)

Ion 49.10 (48.80 to 49.80): VU037414.D (-1127) (-)

Ion 129.95 (129.65 to 130.65): VU037414.D (-1127) (-)

Ion 51.05 (50.75 to 51.75): VU037414.D (-1127) (-)





#25

Chloroform

Concen: 17.542 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

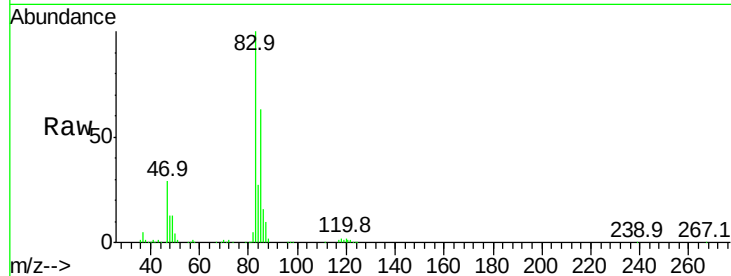
VSTD02006

Tgt Ion: 83 Resp: 311189

Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU037414.D (-1159) (-)

Ion 85.00 (84.70 to 85.70): VU037414.D (-1159) (-)

5.13

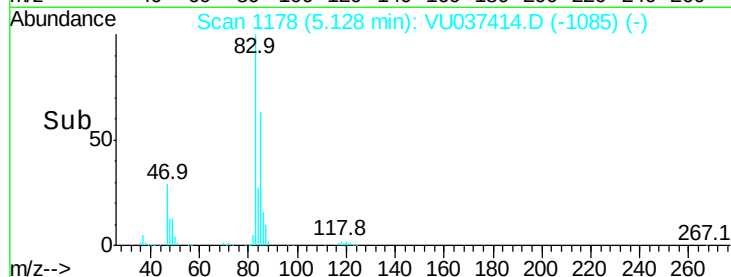
150000

100000

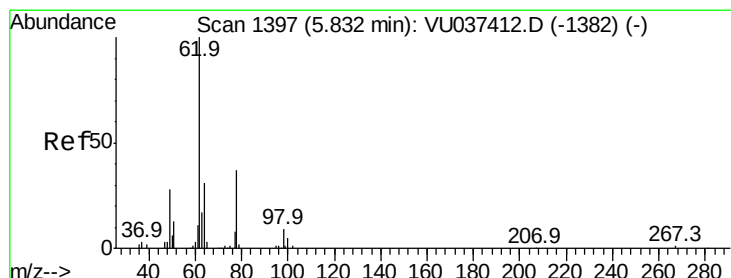
50000

0

Time-->



Time-->



#27

1,2-Dichloroethane

Concen: 17.551 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU037414.D

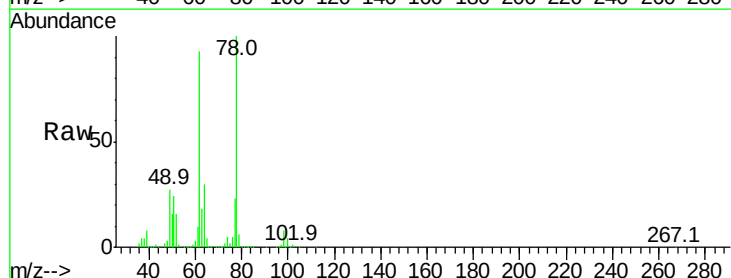
Acq: 28 Mar 2020 12:05

Tgt Ion: 62 Resp: 212034

Ion Ratio Lower Upper

62 100

98 8.1 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU037414.D (-1382) (-)

Ion 98.05 (97.75 to 98.75): VU037414.D (-1382) (-)

5.83

120000

100000

80000

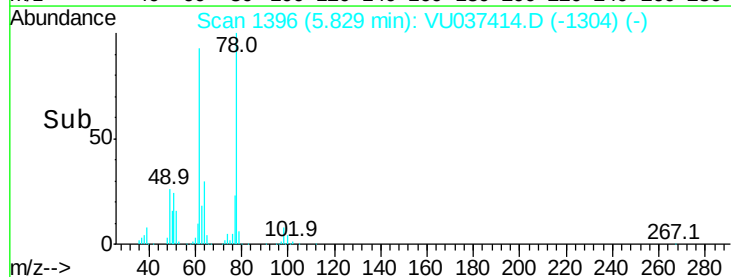
60000

40000

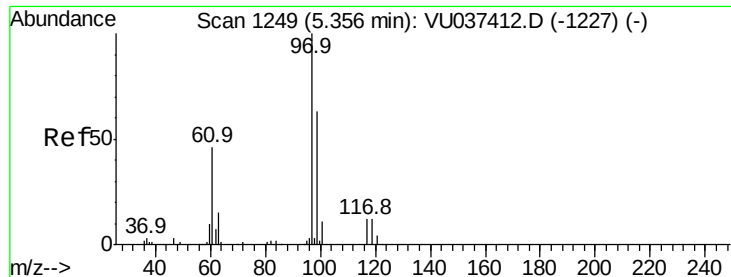
20000

0

Time-->



Time-->



#29

1,1,1-Trichloroethane

Concen: 19.020 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

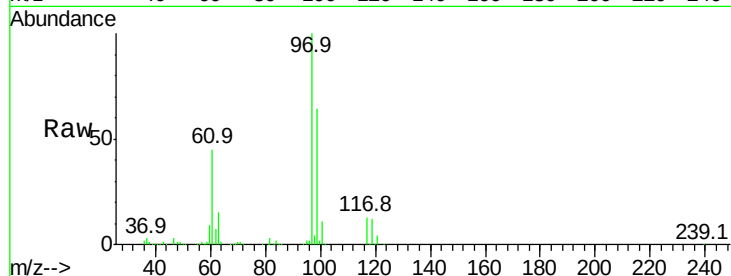
Tgt Ion: 97 Resp: 288596

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.6

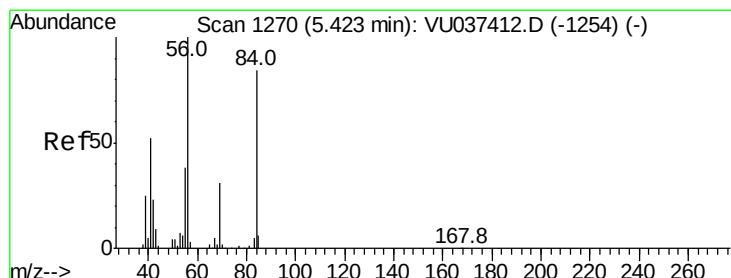
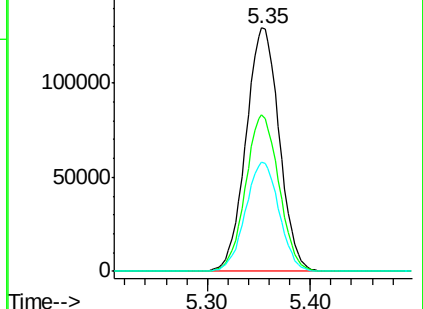
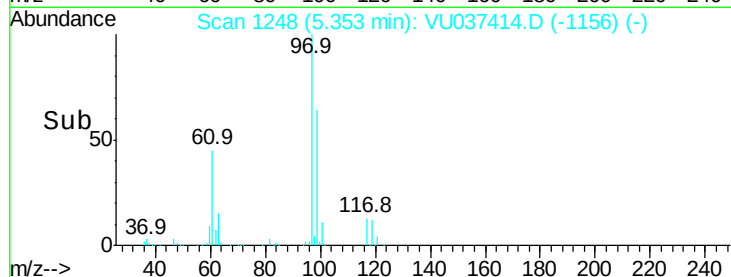
61 45.4 36.7 55.1



Abundance Ion 96.95 (96.65 to 97.65): VU037414.D (-1156) (-)

Ion 99.05 (98.75 to 99.75): VU037414.D (-1156) (-)

Ion 61.05 (60.75 to 61.75): VU037414.D (-1156) (-)



#30

Cyclohexane

Concen: 22.285 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

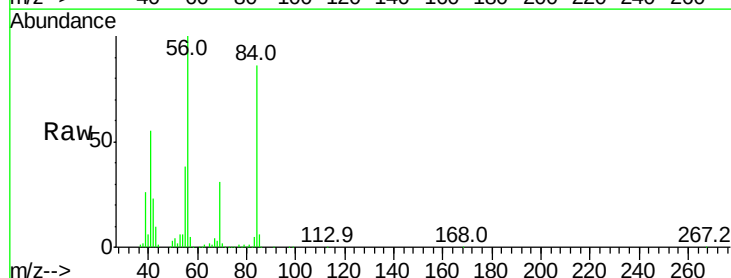
Tgt Ion: 56 Resp: 287288

Ion Ratio Lower Upper

56 100

69 31.4 25.7 38.5

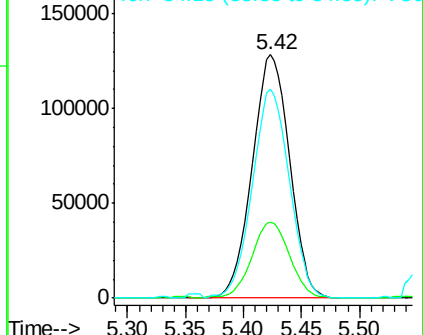
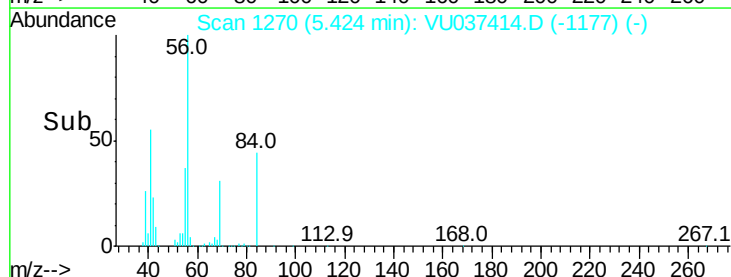
84 85.6 67.1 100.7

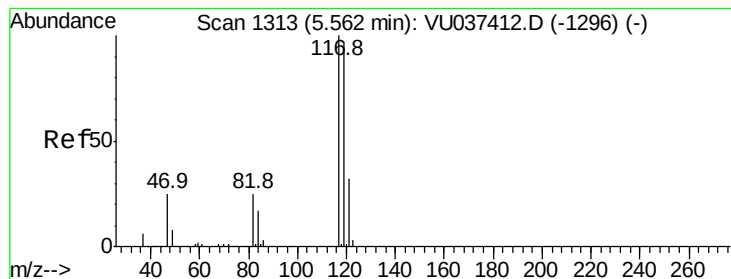


Abundance Ion 56.10 (55.80 to 56.80): VU037414.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU037414.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU037414.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 19.102 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

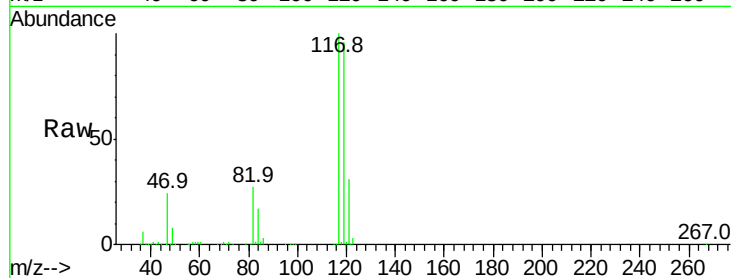
VSTD02006

Tgt Ion:117 Resp: 251343

Ion Ratio Lower Upper

117 100

119 96.5 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

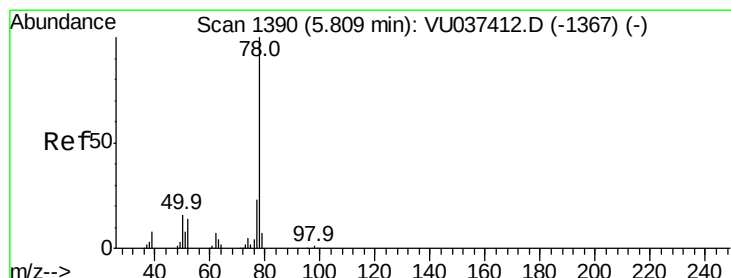
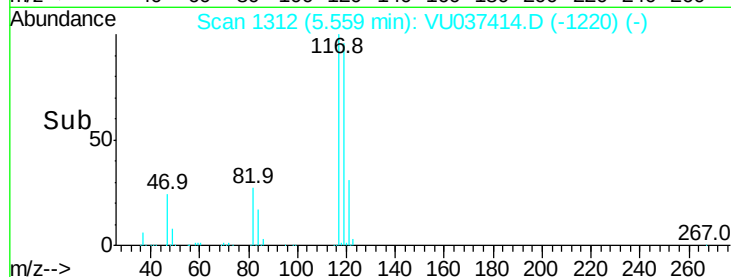
5.56

100000

50000

0

Time-->



#33

Benzene

Concen: 20.717 ug/L

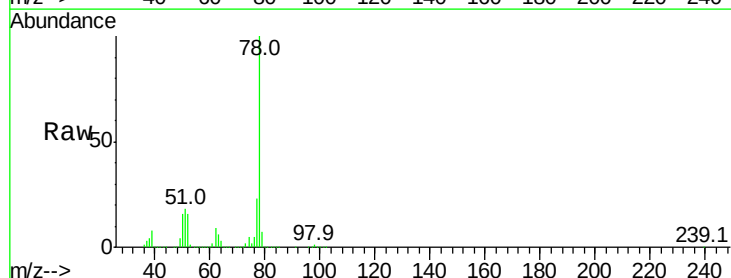
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Tgt Ion: 78 Resp: 672204



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

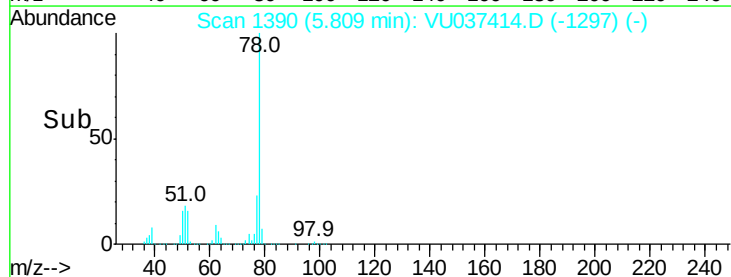
300000

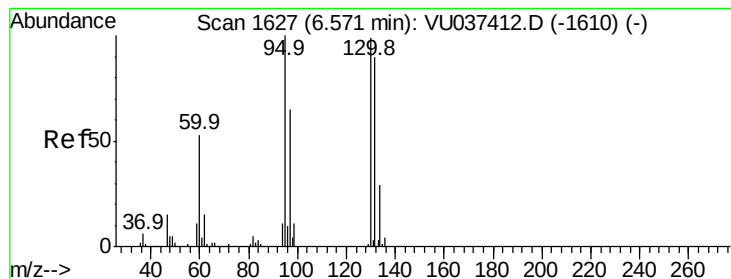
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 20.767 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tgt Ion: 95 Resp: 185217

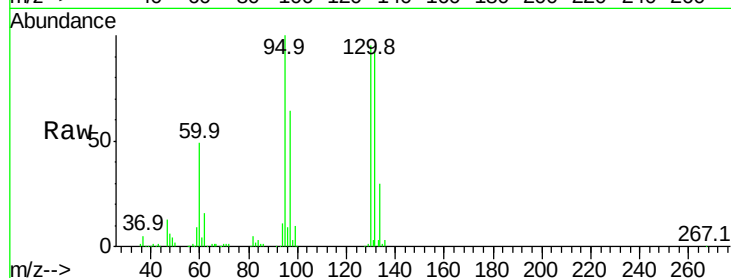
Ion Ratio Lower Upper

95 100

97 64.0 45.3 84.1

132 92.4 62.7 116.5

130 95.0 69.1 128.3

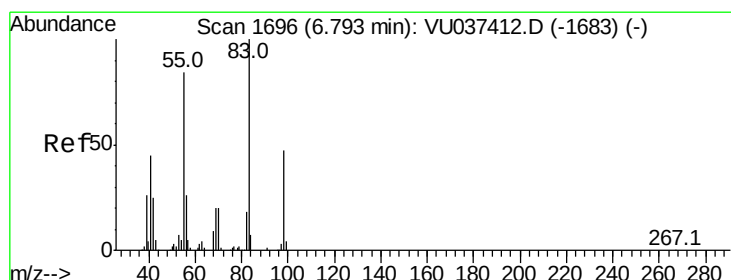
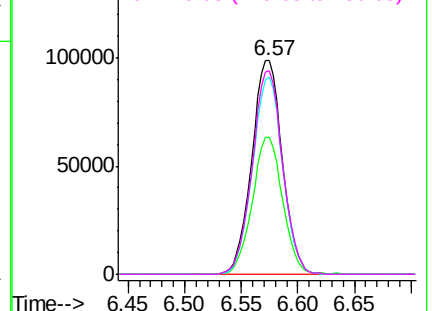
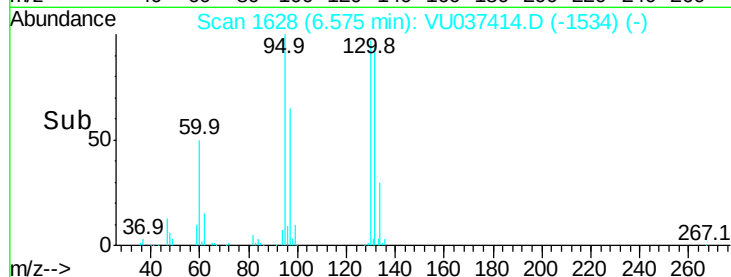


Abundance Ion 95.00 (94.70 to 95.70): VU037414.D (-1610) (-)

Ion 96.95 (96.65 to 97.65): VU037414.D (-1610) (-)

Ion 131.95 (131.65 to 132.65): VU037414.D (-1610) (-)

Ion 129.95 (129.65 to 130.65): VU037414.D (-1610) (-)



#35

Methylcyclohexane

Concen: 22.322 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

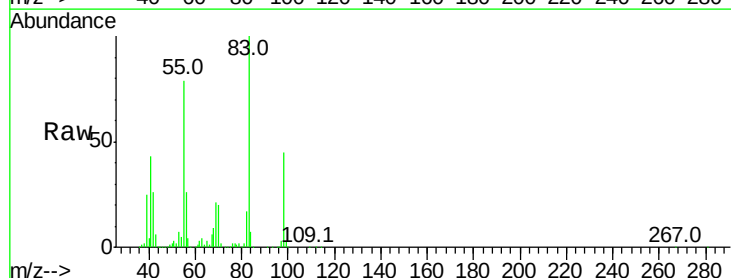
Tgt Ion: 83 Resp: 294931

Ion Ratio Lower Upper

83 100

55 77.9 64.2 96.4

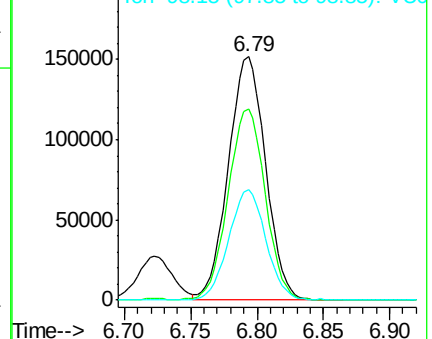
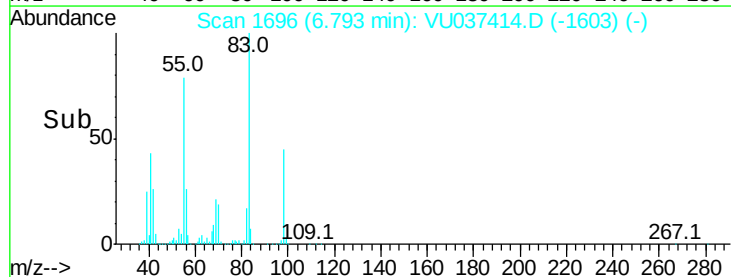
98 45.7 36.3 54.5

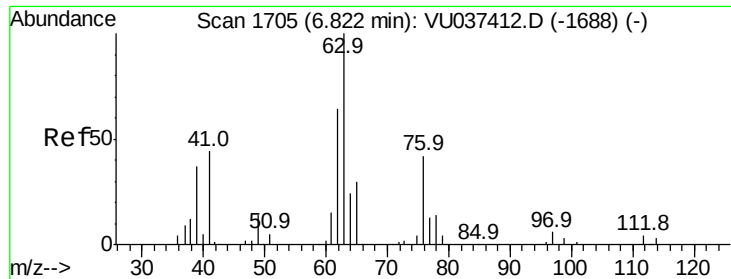


Abundance Ion 83.15 (82.85 to 83.85): VU037414.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU037414.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU037414.D (-1683) (-)

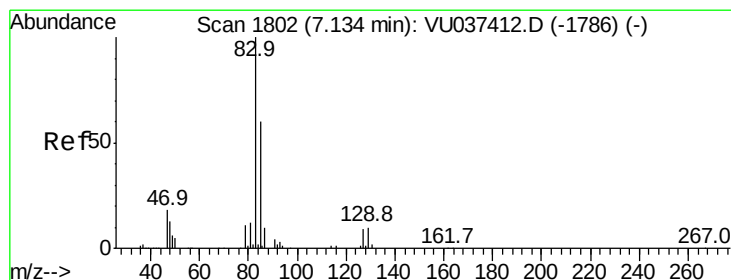
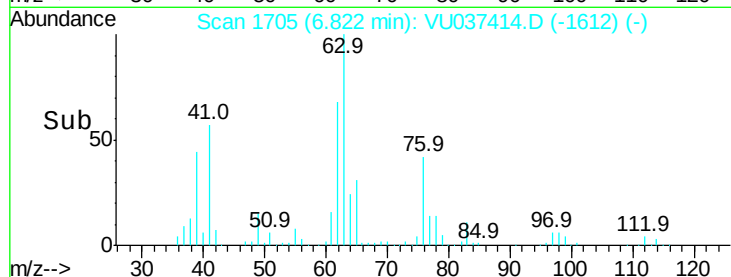
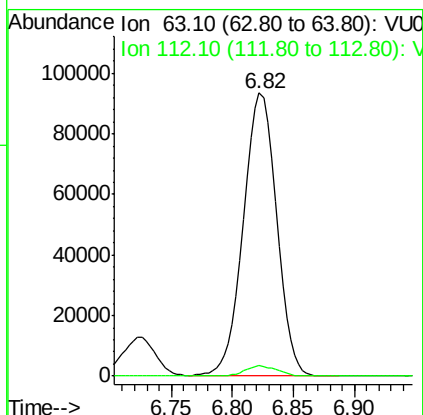
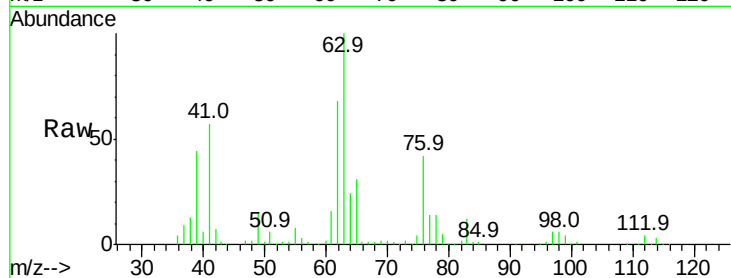




#37
 1,2-Dichloropropane
 Concen: 20.704 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

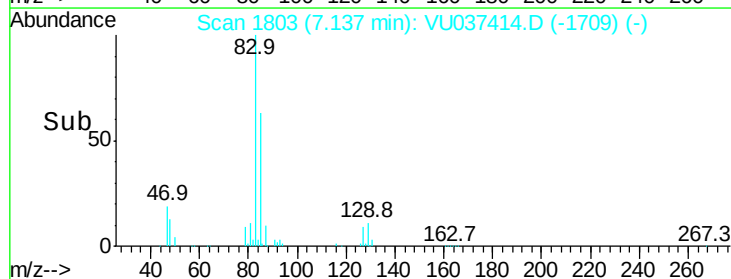
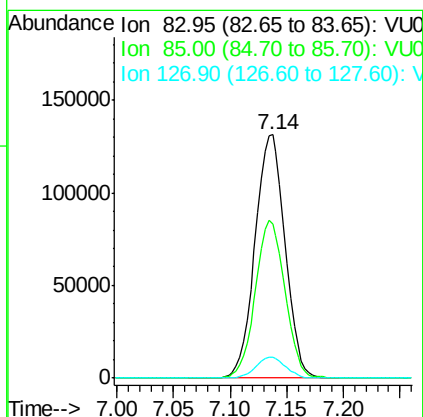
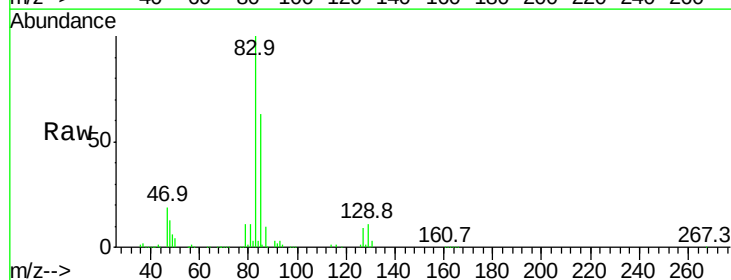
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02006

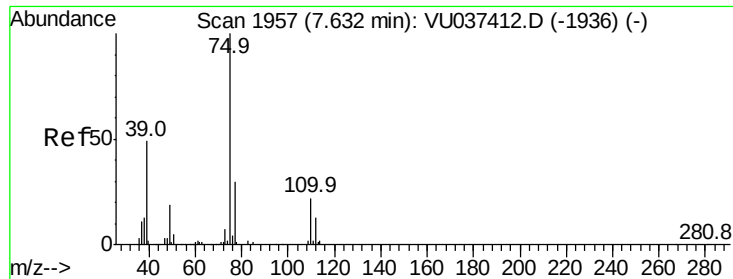
Tgt Ion: 63 Resp: 175980
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 20.657 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

Tgt Ion: 83 Resp: 240916
 Ion Ratio Lower Upper
 83 100
 85 63.3 42.4 78.8
 127 8.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 23.251 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

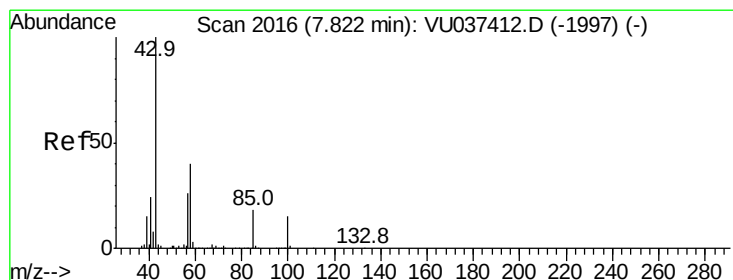
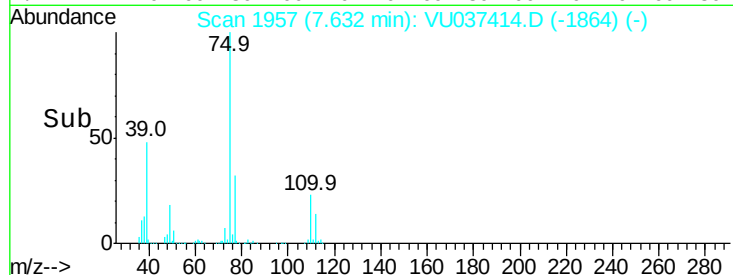
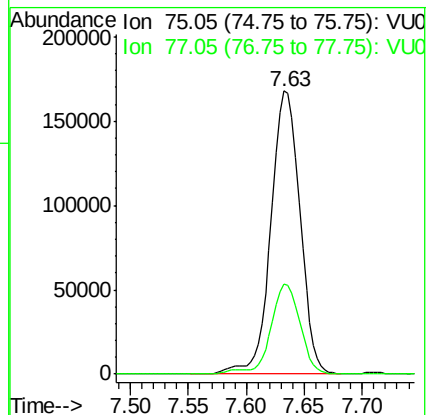
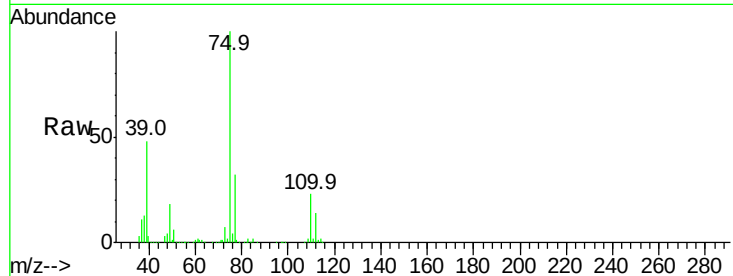
VSTD02006

Tgt Ion: 75 Resp: 292806

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 217.248 ug/L

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

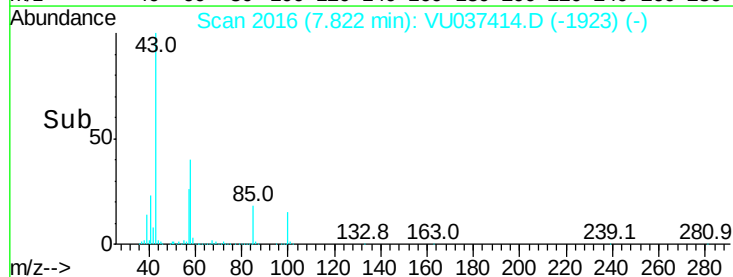
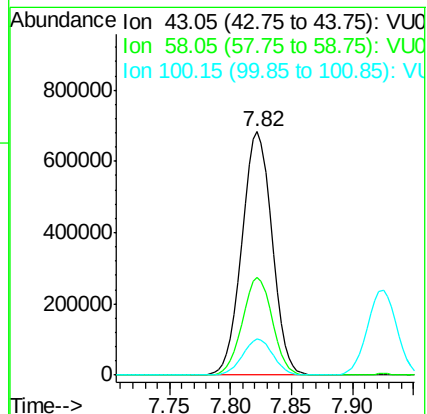
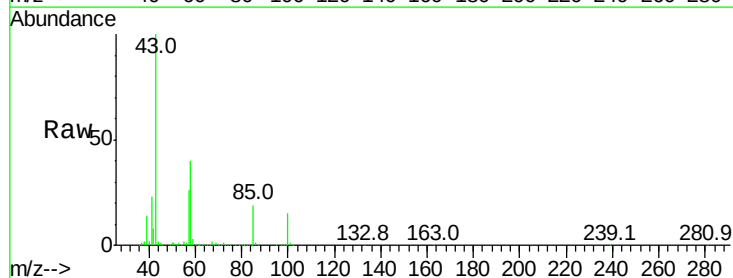
Tgt Ion: 43 Resp: 1157781

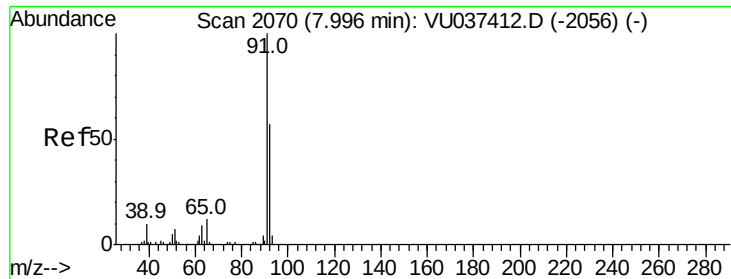
Ion Ratio Lower Upper

43 100

58 39.9 32.1 48.1

100 14.9 11.6 17.4





#42

Toluene

Concen: 20.851 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

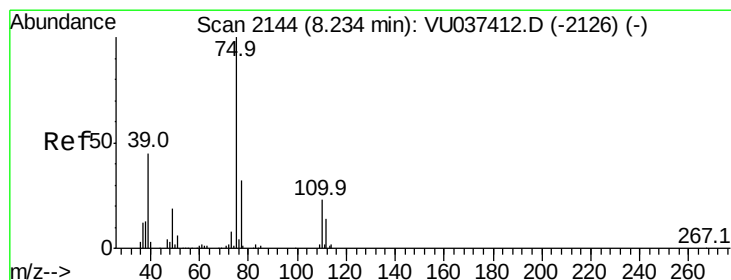
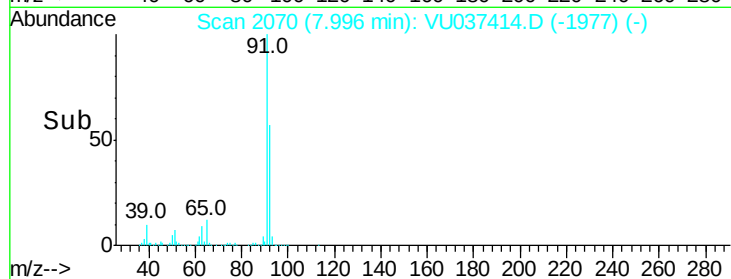
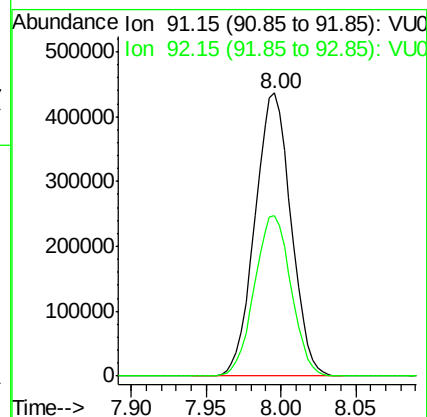
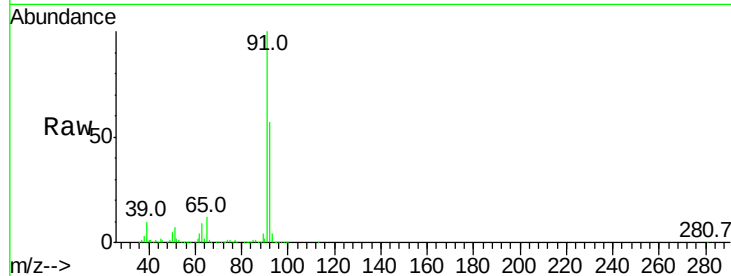
VSTD02006

Tgt Ion: 91 Resp: 732019

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 22.181 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037414.D

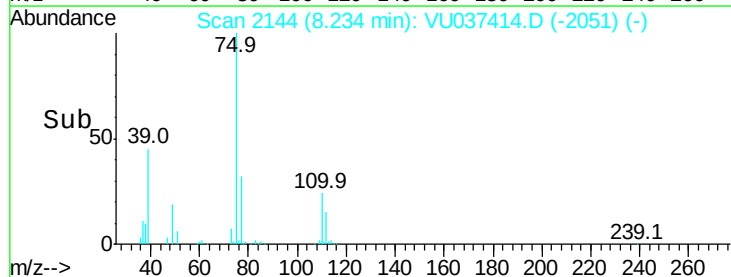
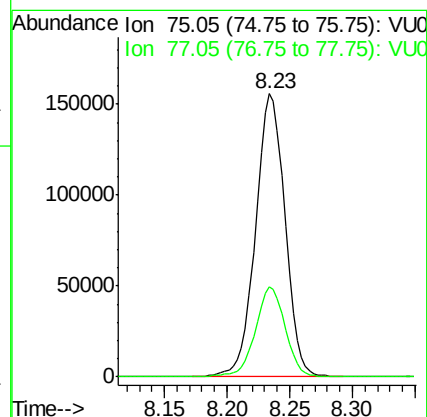
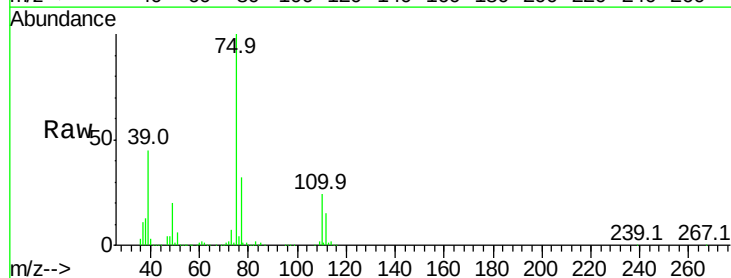
Acq: 28 Mar 2020 12:05

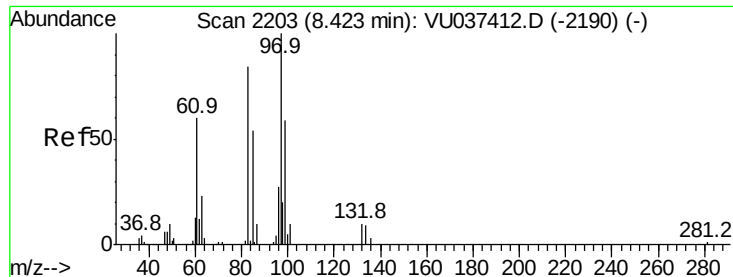
Tgt Ion: 75 Resp: 255281

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1

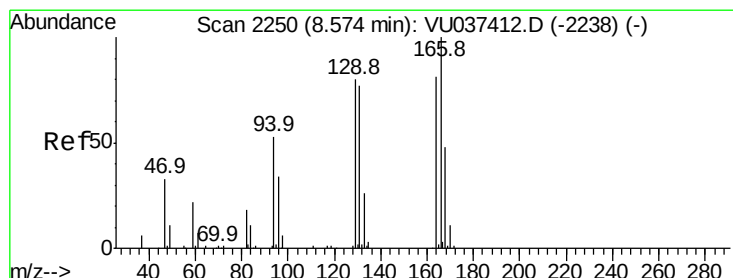
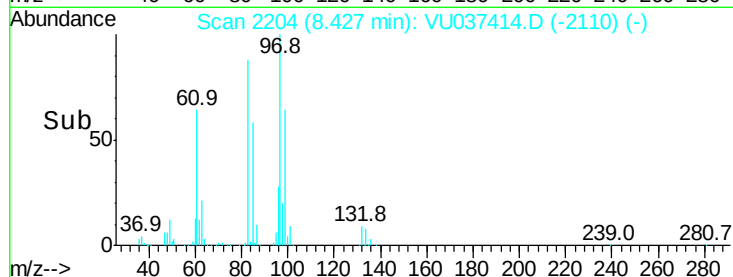
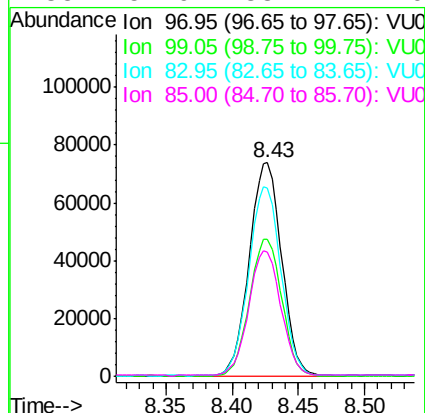
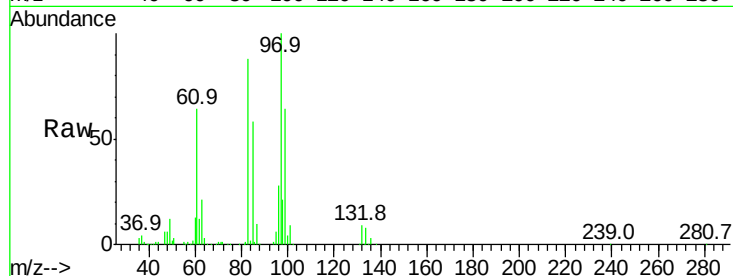




#45
 1,1,2-Trichloroethane
 Concen: 20.526 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

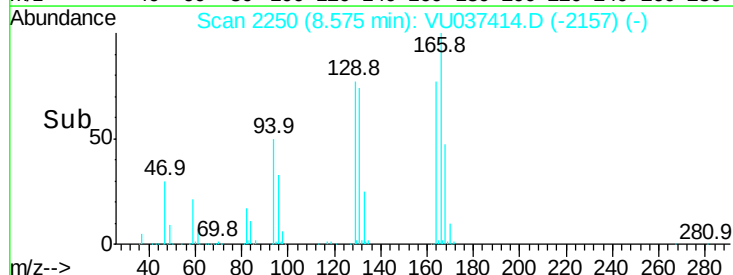
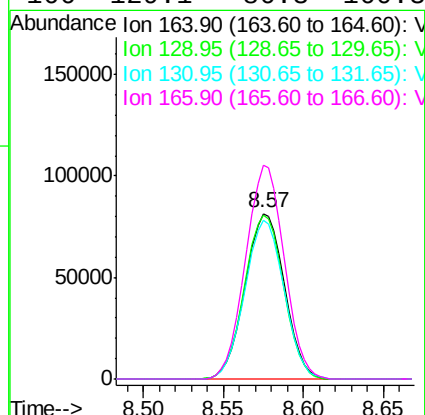
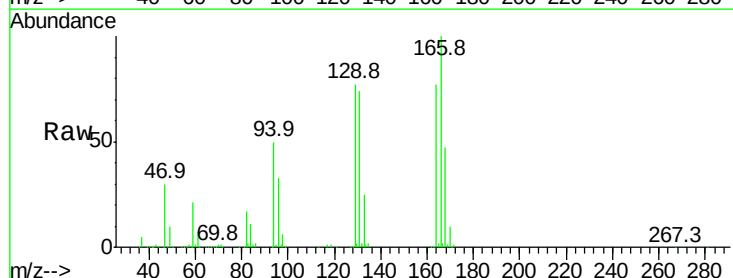
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02006

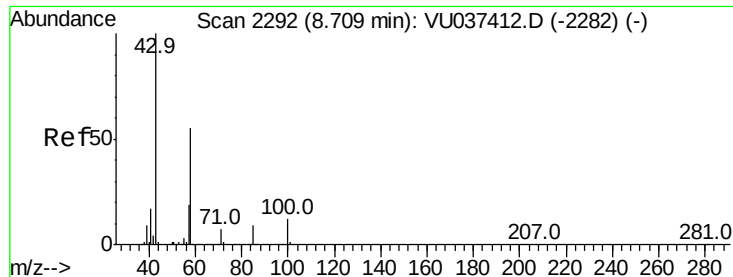
Tgt Ion:	97	Resp:	125434
Ion	Ratio	Lower	Upper
97	100		
99	64.3	41.1	76.3
83	87.9	58.7	108.9
85	57.9	38.2	71.0



#47
 Tetrachloroethene
 Concen: 18.924 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

Tgt Ion:	164	Resp:	136492
Ion	Ratio	Lower	Upper
164	100		
129	99.2	68.8	127.8
131	96.0	66.9	124.3
166	129.1	86.3	160.3

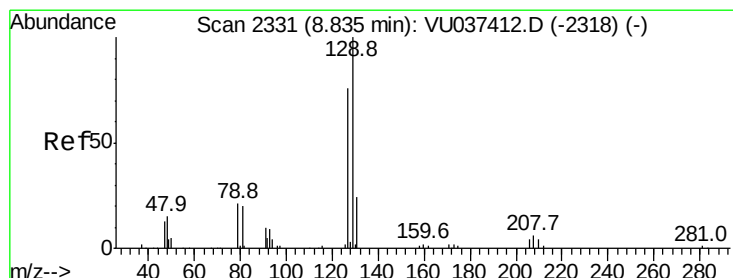
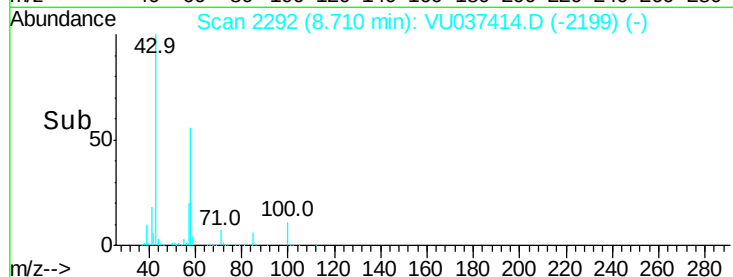
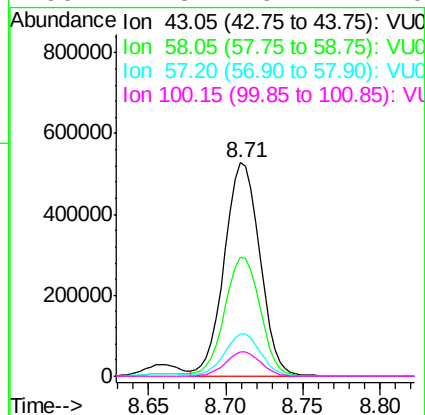
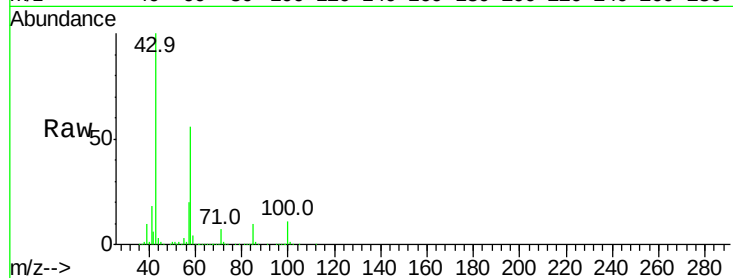




#48
2-Hexanone
Concen: 220.672 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

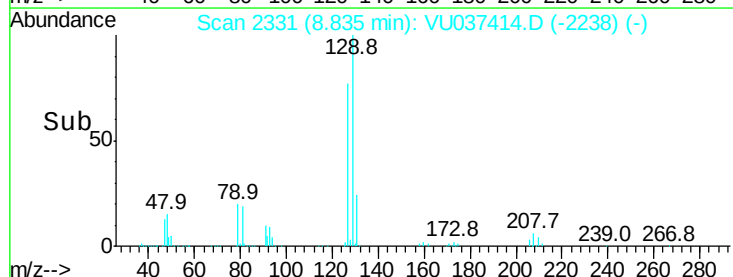
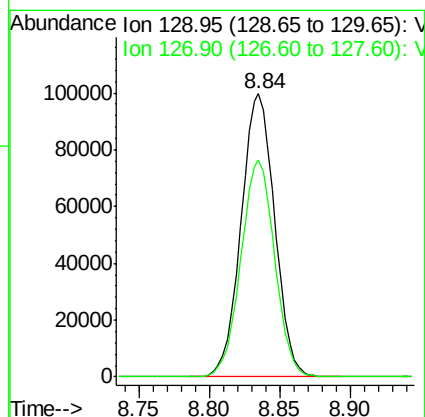
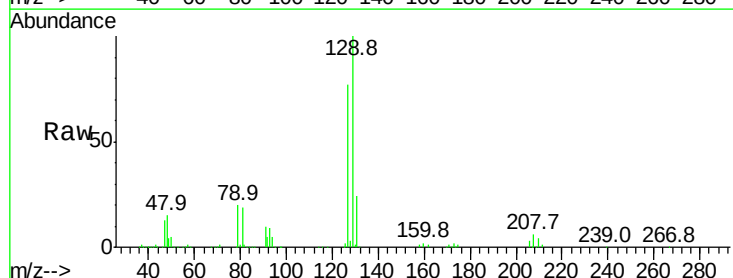
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

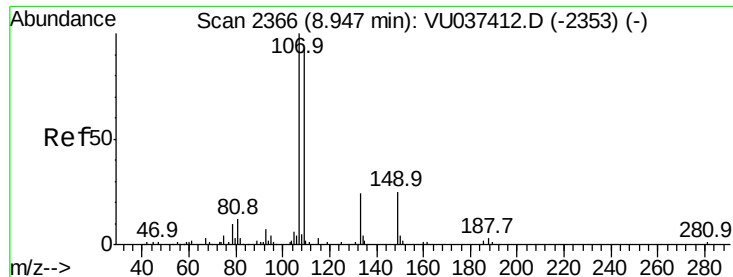
Tgt Ion:	43	Resp:	837967
Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.2	66.2
57	20.0	15.3	22.9
100	11.3	9.4	14.0



#49
Dibromochloromethane
Concen: 20.810 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

Tgt Ion:	129	Resp:	166385
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.5	99.3

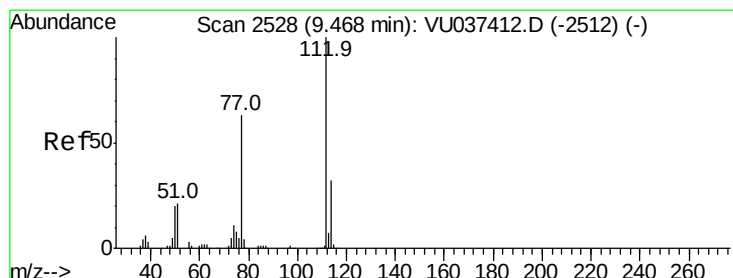
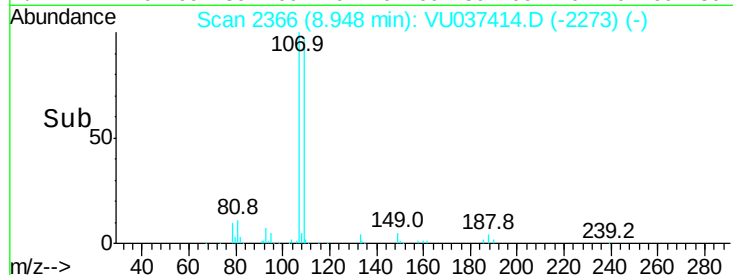
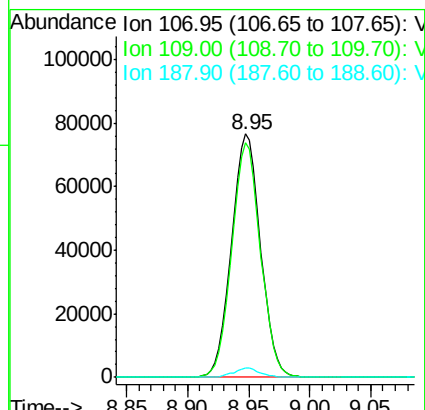
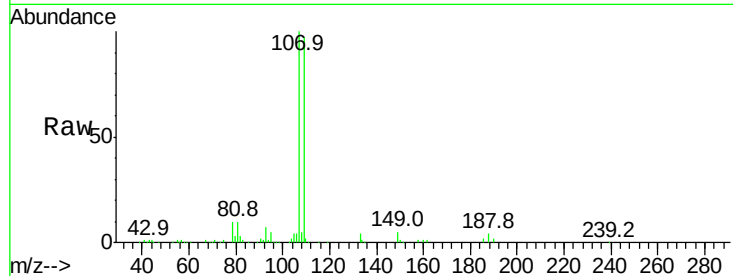




#50
1,2-Dibromoethane
Concen: 21.187 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

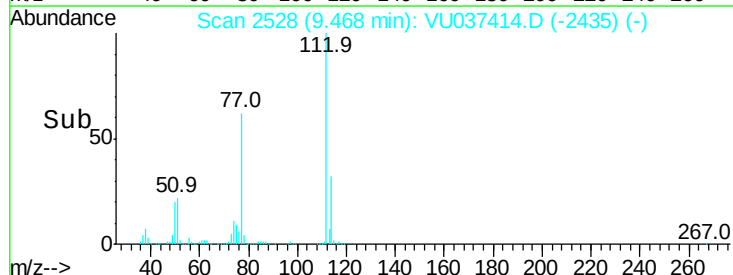
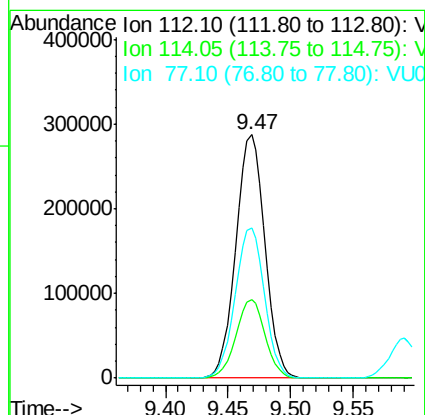
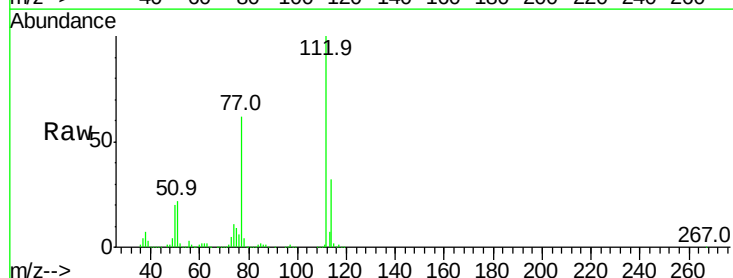
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

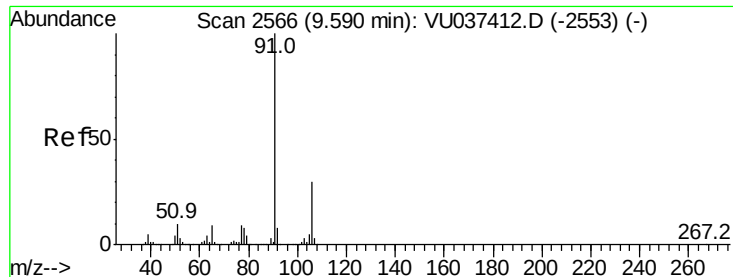
Tgt Ion:107 Resp: 127130
Ion Ratio Lower Upper
107 100
109 96.5 64.8 120.4
188 3.8 2.6 4.0



#51
Chlorobenzene
Concen: 20.369 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

Tgt Ion:112 Resp: 463387
Ion Ratio Lower Upper
112 100
114 32.3 22.4 41.6
77 61.7 50.5 75.7





#52

Ethylbenzene

Concen: 21.236 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

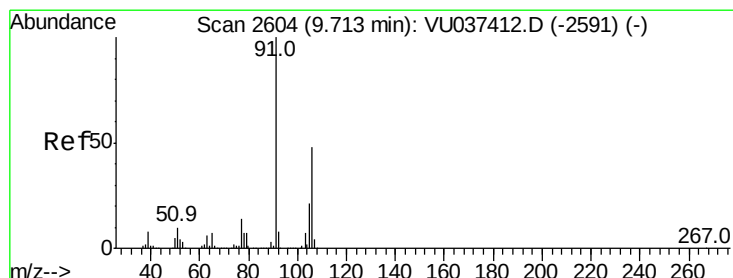
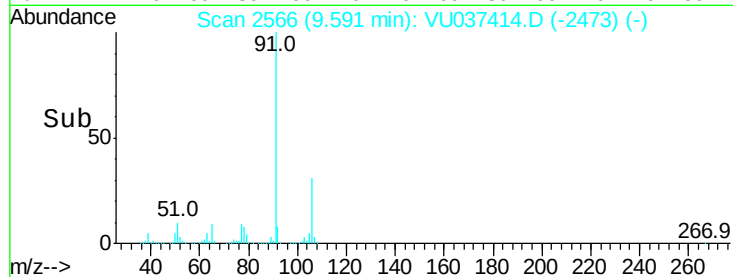
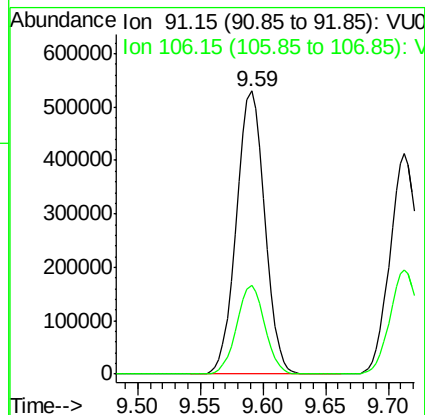
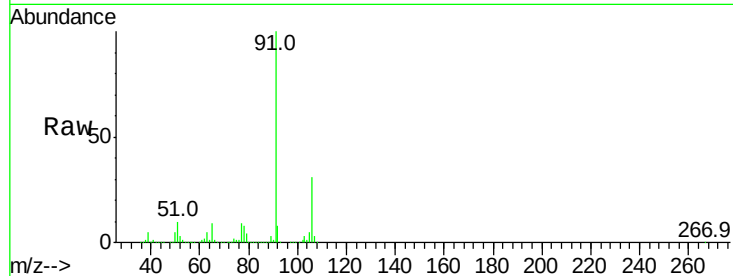
VSTD02006

Tgt Ion: 91 Resp: 832263

Ion Ratio Lower Upper

91 100

106 31.2 21.3 39.6



#53

m,p-Xylene

Concen: 22.105 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037414.D

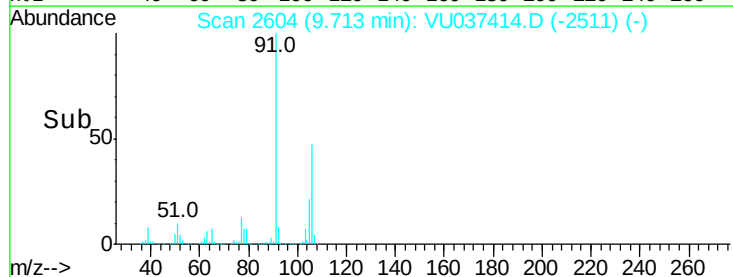
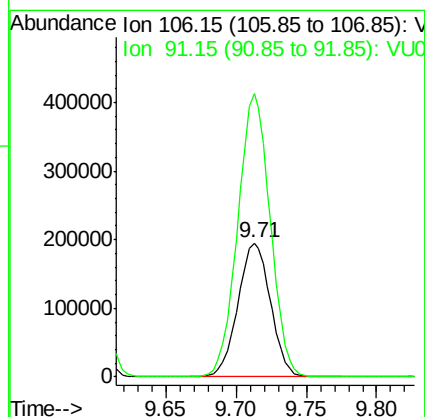
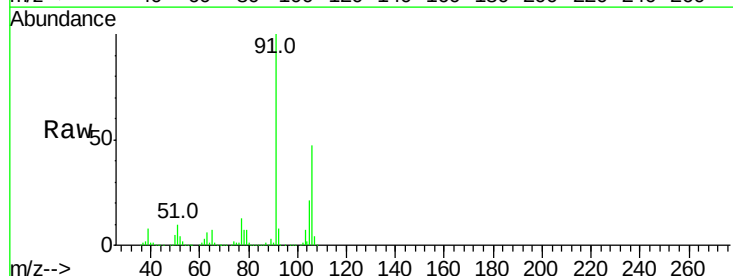
Acq: 28 Mar 2020 12:05

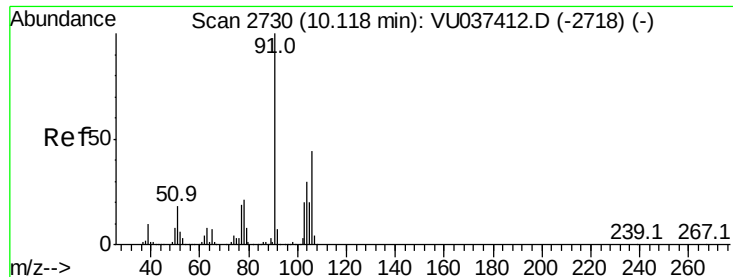
Tgt Ion: 106 Resp: 316076

Ion Ratio Lower Upper

106 100

91 210.9 147.3 273.6

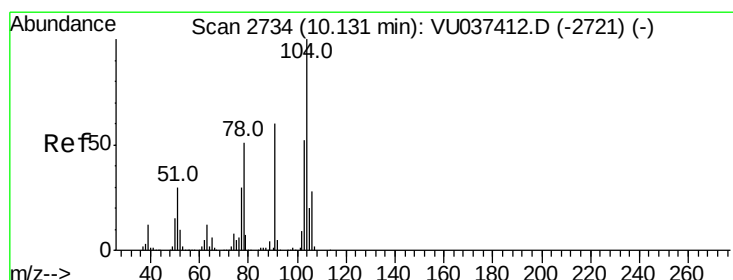
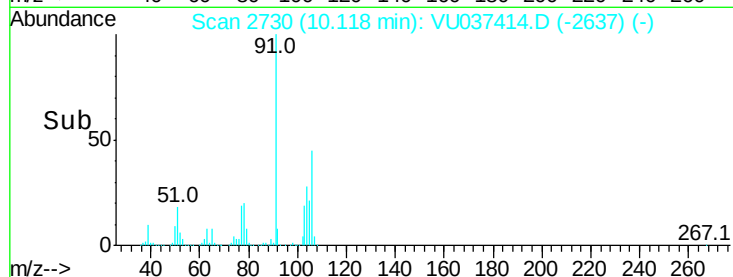
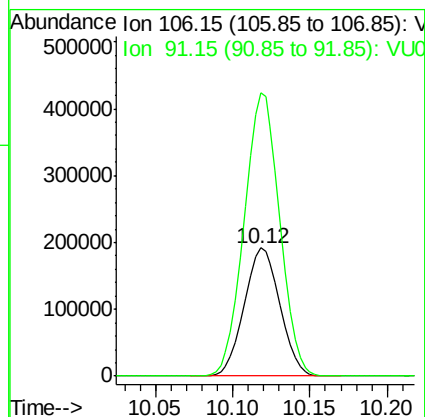
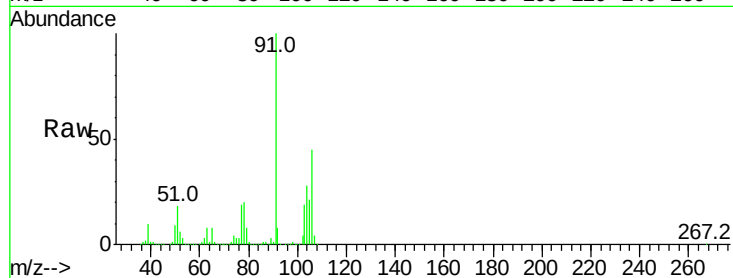




#54
o-Xylene
Concen: 22.108 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

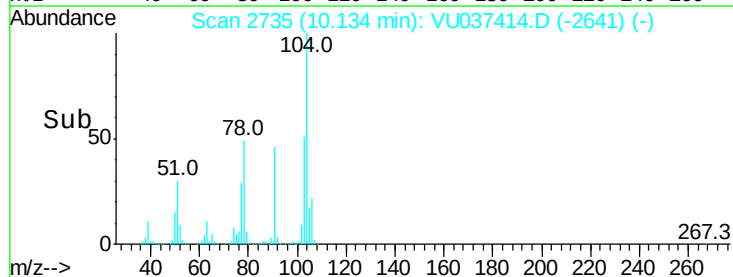
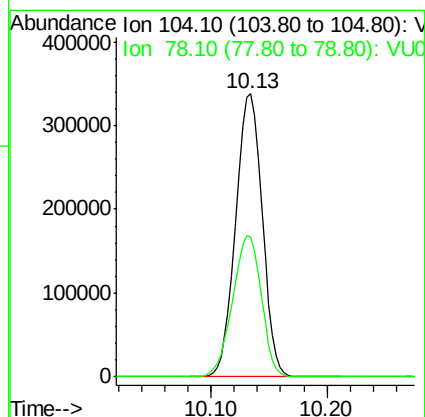
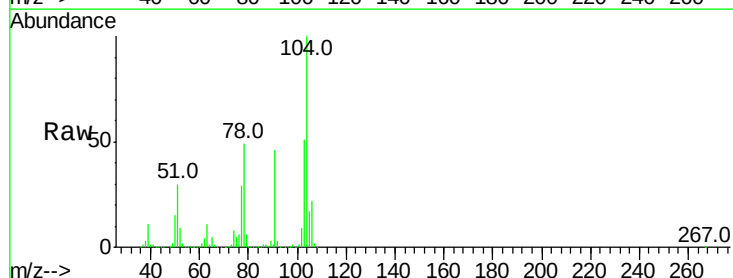
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

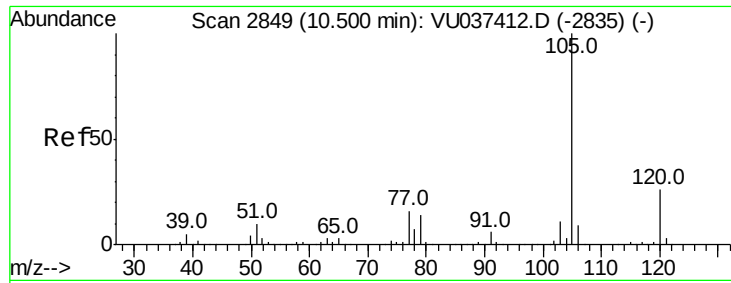
Tgt Ion:106 Resp: 308802
Ion Ratio Lower Upper
106 100
91 221.0 157.7 292.9



#55
Styrene
Concen: 22.960 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037414.D
Acq: 28 Mar 2020 12:05

Tgt Ion:104 Resp: 534500
Ion Ratio Lower Upper
104 100
78 49.5 35.8 66.6





#56

Isopropylbenzene

Concen: 21.292 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

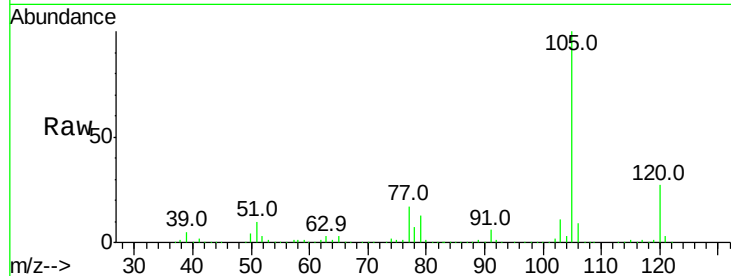
Tgt Ion:105 Resp: 820437

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

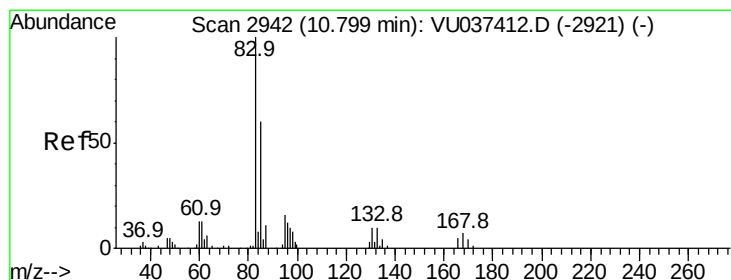
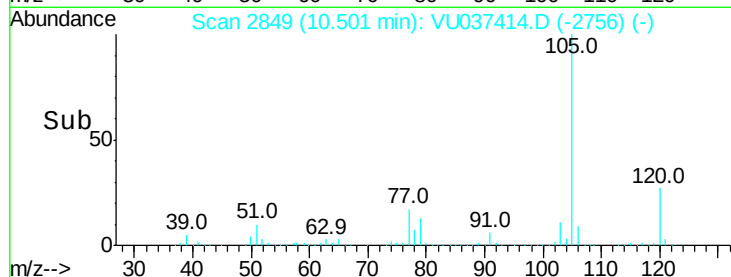
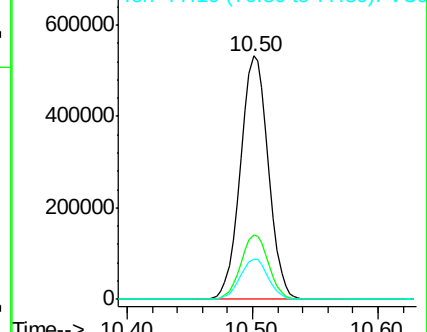
77 16.6 13.4 20.0



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: 21.450 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

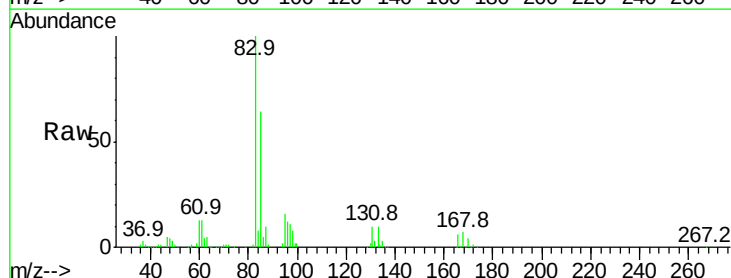
Tgt Ion: 83 Resp: 164758

Ion Ratio Lower Upper

83 100

85 64.1 42.9 79.7

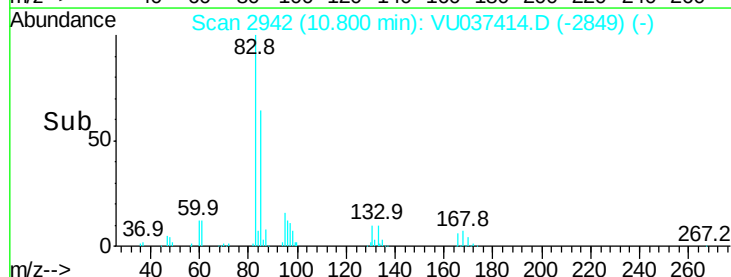
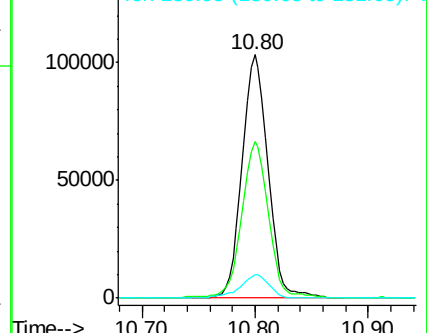
131 9.7 8.1 12.1

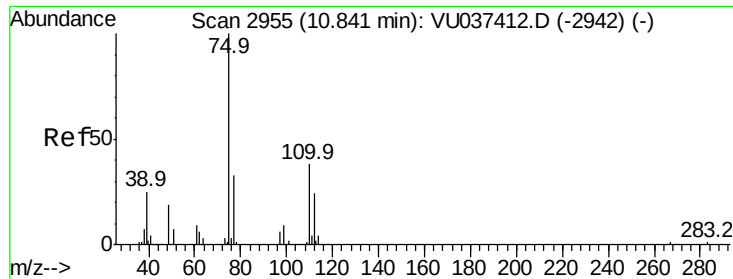


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.869 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

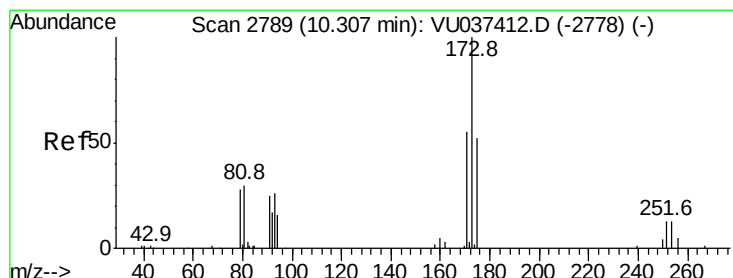
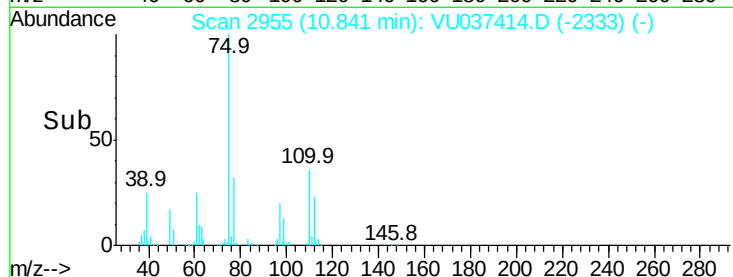
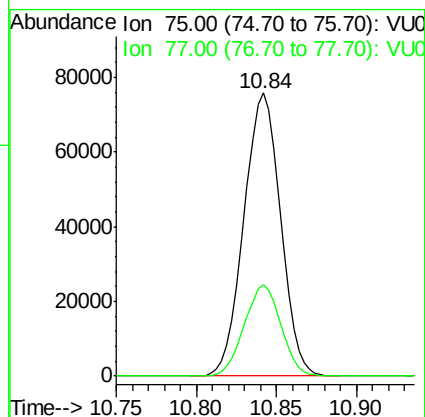
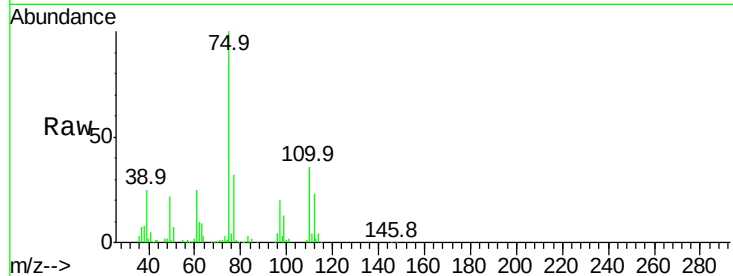
VSTD02006

Tgt Ion: 75 Resp: 118930

Ion Ratio Lower Upper

75 100

77 32.3 27.4 41.2



#61

Bromoform

Concen: 20.770 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

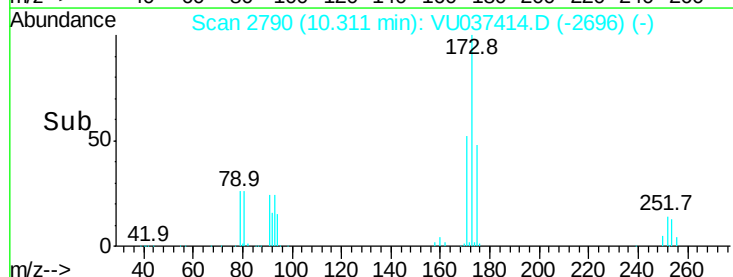
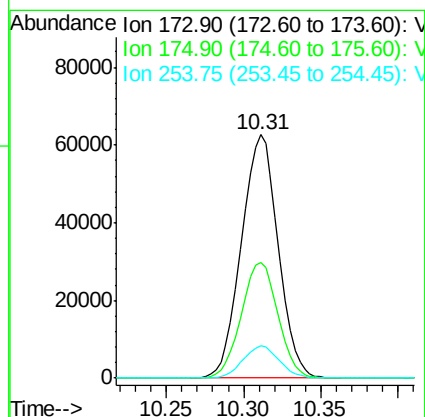
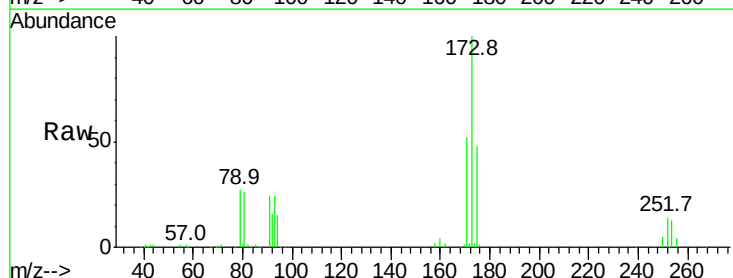
Tgt Ion: 173 Resp: 103589

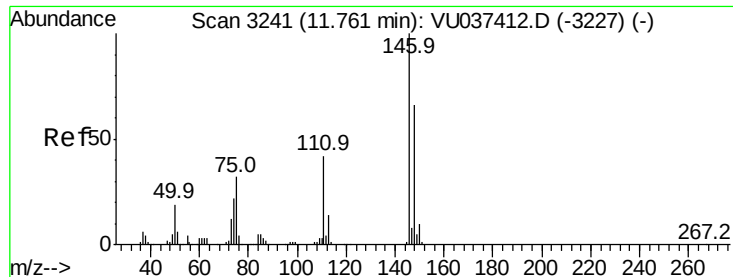
Ion Ratio Lower Upper

173 100

175 47.6 40.2 60.4

254 13.1 11.4 17.2

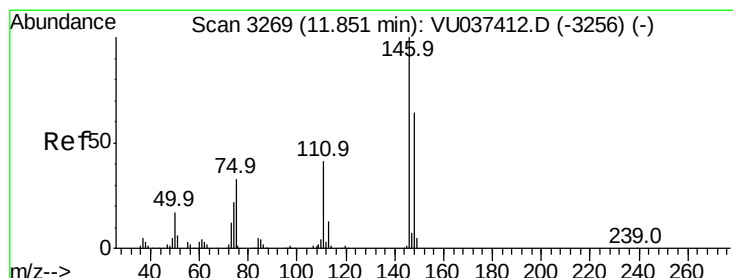
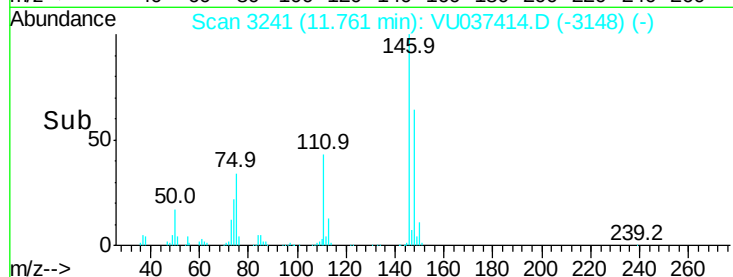
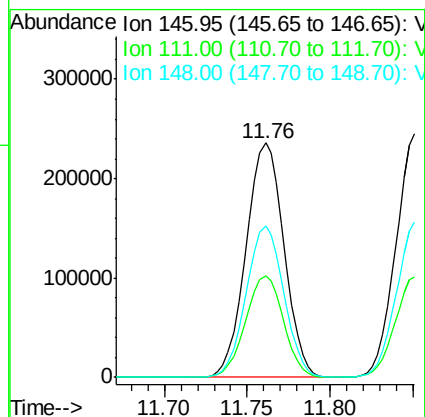
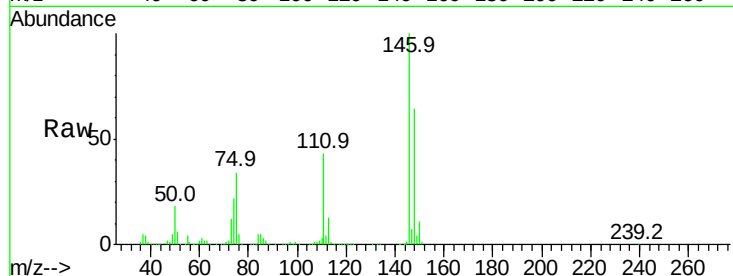




#62
 1,3-Dichlorobenzene
 Concen: 19.864 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

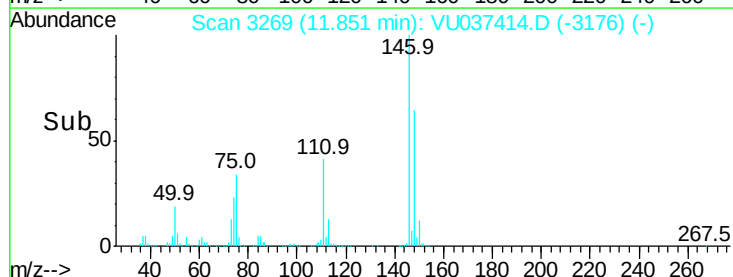
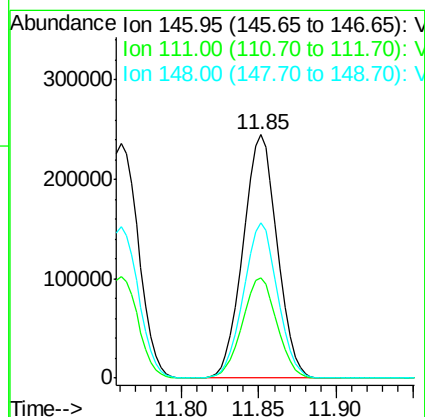
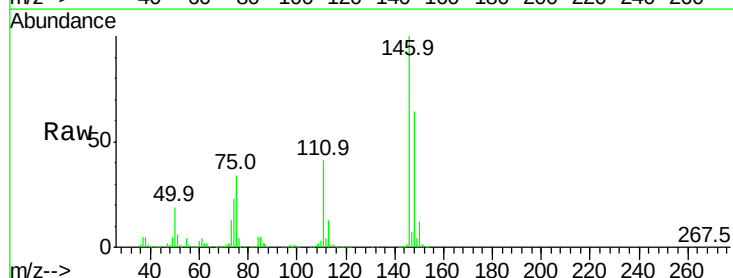
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

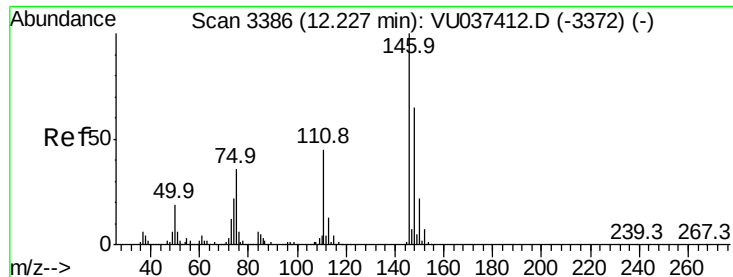
Tgt Ion:146 Resp: 375394
 Ion Ratio Lower Upper
 146 100
 111 43.2 29.4 54.6
 148 64.4 46.1 85.5



#63
 1,4-Dichlorobenzene
 Concen: 19.715 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

Tgt Ion:146 Resp: 376551
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.8 53.6
 148 63.6 44.5 82.7

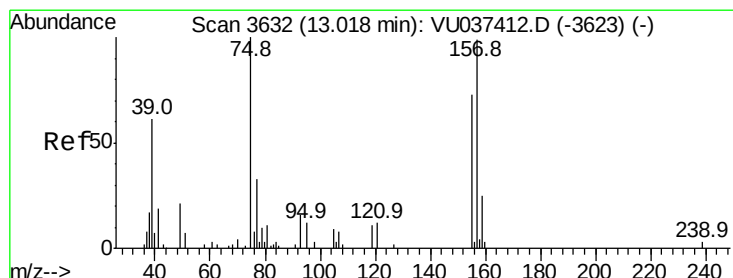
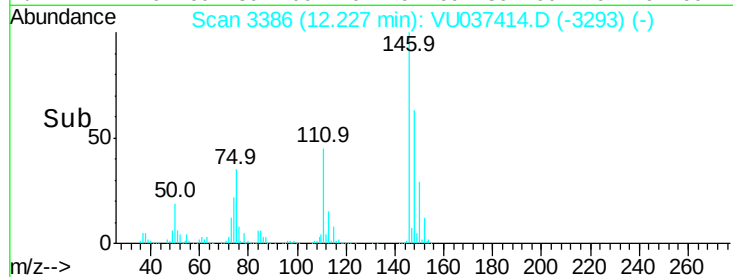
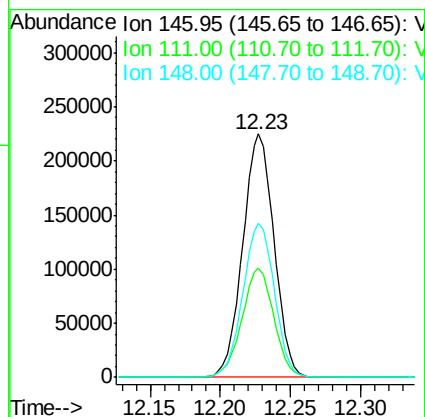
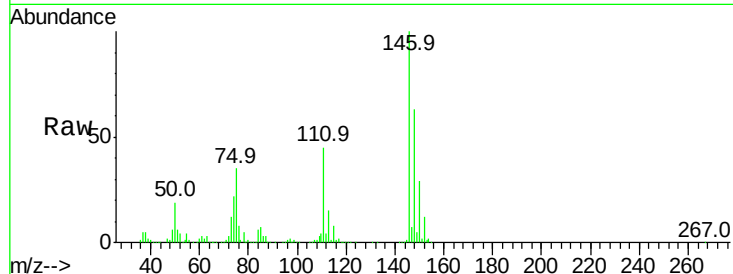




#65
 1,2-Dichlorobenzene
 Concen: 19.292 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

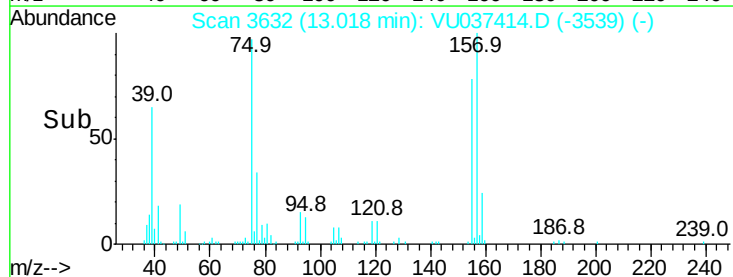
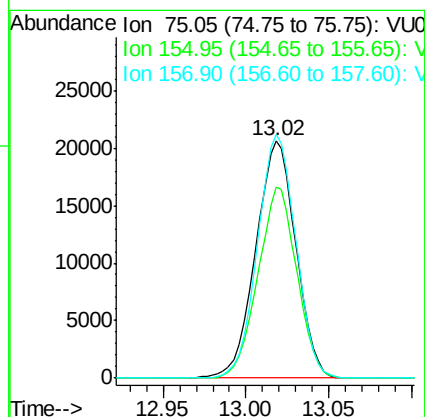
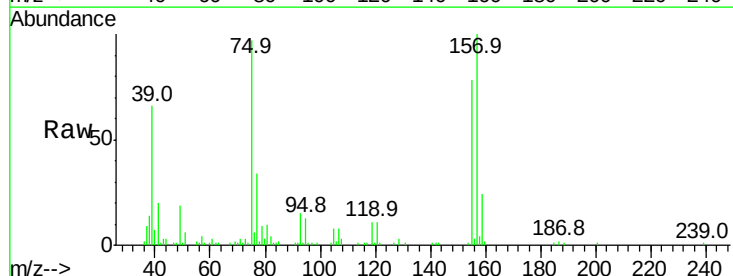
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

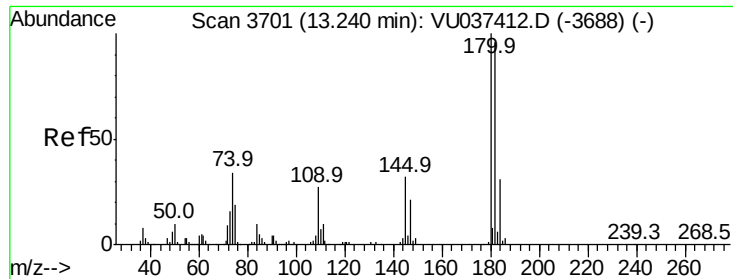
Tgt Ion:146 Resp: 350216
 Ion Ratio Lower Upper
 146 100
 111 44.9 36.2 54.2
 148 63.1 52.1 78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.790 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

Tgt Ion: 75 Resp: 34607
 Ion Ratio Lower Upper
 75 100
 155 80.3 56.0 84.0
 157 102.6 78.3 117.5

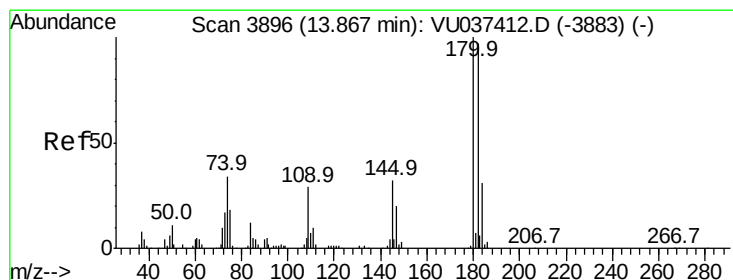
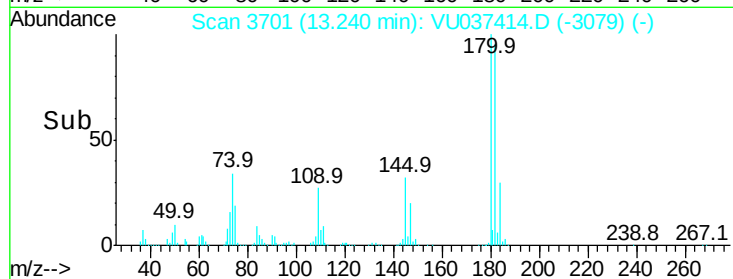
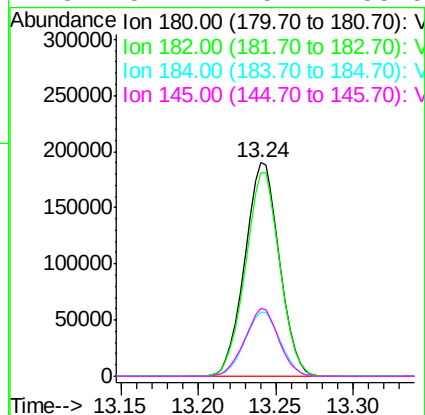
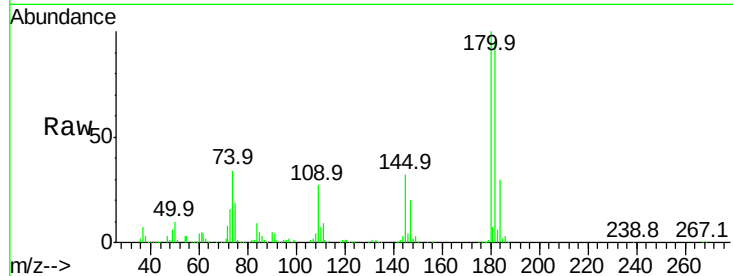




#67
 1,3,5-Trichlorobenzene
 Concen: 21.066 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

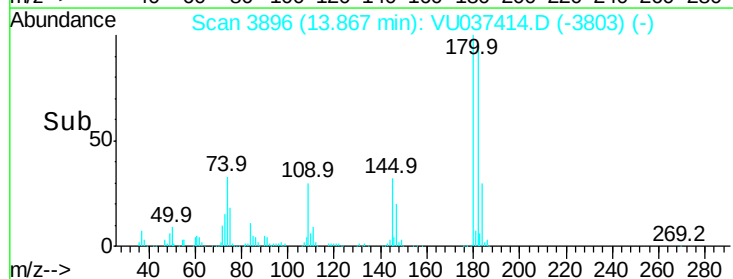
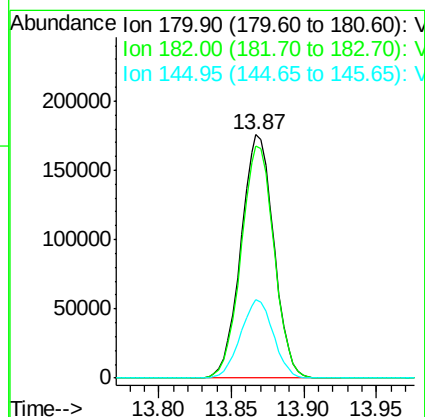
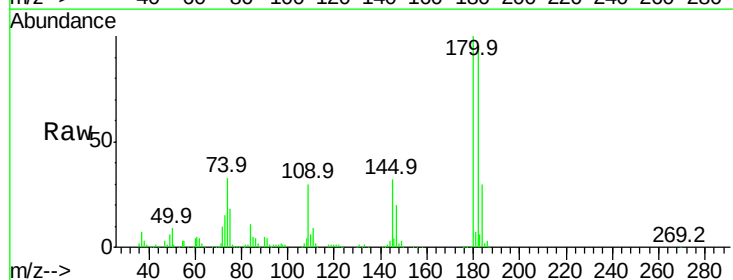
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

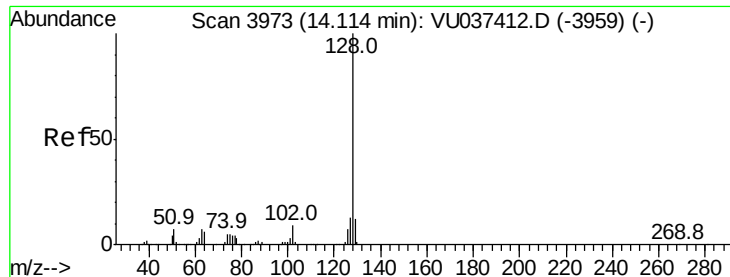
Tgt Ion:	180	Resp:	294793
Ion Ratio	Lower	Upper	
180	100		
182	94.9	77.7	116.5
184	30.6	24.6	36.8
145	31.1	25.7	38.5



#68
 1,2,4-trichlorobenzene
 Concen: 26.959 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037414.D
 Acq: 28 Mar 2020 12:05

Tgt Ion:	180	Resp:	276388
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.8	113.6
145	32.1	25.5	38.3





#69

Naphthalene

Concen: 39.050 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

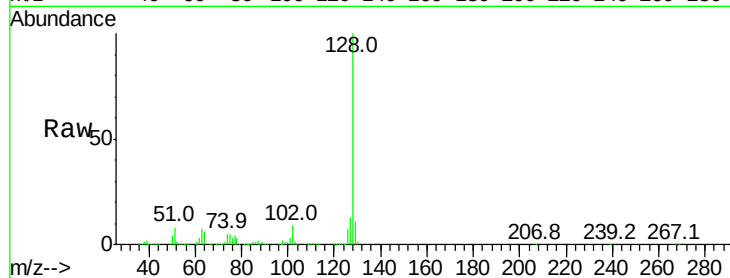
Tgt Ion:128 Resp: 549520

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

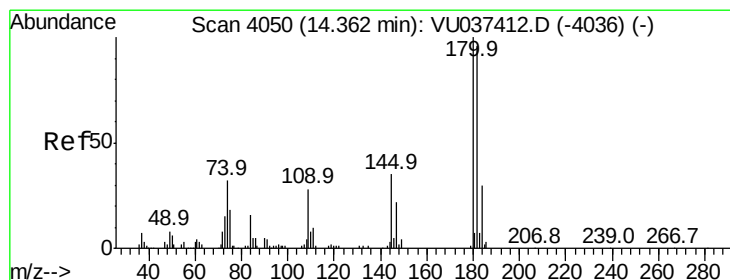
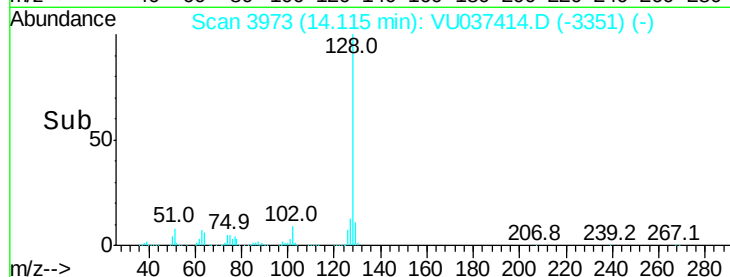
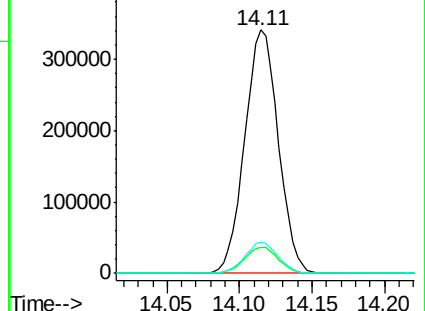
127 12.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.721 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037414.D

Acq: 28 Mar 2020 12:05

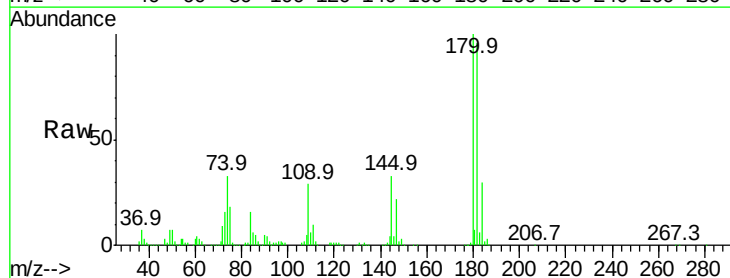
Tgt Ion:180 Resp: 249300

Ion Ratio Lower Upper

180 100

182 95.3 77.8 116.8

145 34.0 27.8 41.8



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

