

Data File : VU037494.D
Acq On : 31 Mar 2020 11:48
Operator : JC/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Quant Time: Mar 31 12:40:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 31 12:37:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	91437	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	85795	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	39942	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	6920	1.03	ug/L	0.00
7) Chloroethane-d5	1.93	69	6500	1.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	14025	1.06	ug/L	0.00
20) 2-Butanone-d5	4.69	46	21984	11.95	ug/L	0.00
24) Chloroform-d	5.11	84	13344	1.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	7575	1.03	ug/L	0.00
32) Benzene-d6	5.76	84	25943	1.05	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	8997	1.10	ug/L	0.00
41) Toluene-d8	7.92	98	24753	1.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	3725	0.97	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	17965	11.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	7052	1.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	8505	1.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	7218	0.941 ug/L	99
3) Chloromethane	1.53	50	7297	1.073 ug/L	91
5) Vinyl chloride	1.62	62	7645	1.068 ug/L	94
6) Bromomethane	1.88	94	3870	0.959 ug/L	98
8) Chloroethane	1.95	64	4592	1.150 ug/L	98
9) Trichlorofluoromethane	2.16	101	10819	1.129 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	6423	1.100 ug/L	97
12) 1,1-Dichloroethene	2.60	96	6310	1.049 ug/L	87
13) Acetone	2.69	43	5973	5.650 ug/L	89
14) Carbon disulfide	2.82	76	21561	1.048 ug/L	100
15) Methyl Acetate	2.99	43	3164	1.071 ug/L #	82
16) Methylene chloride	3.08	84	7090	1.055 ug/L	90
17) Methyl tert-butyl Ether	3.41	73	17030	1.041 ug/L #	89
18) trans-1,2-Dichloroethene	3.39	96	6720	1.069 ug/L	99
19) 1,1-Dichloroethane	3.91	63	12456	1.060 ug/L	98
21) 2-Butanone	4.77	43	20551	11.436 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	7424	1.054 ug/L	99
23) Bromochloromethane	5.02	128	2926	0.940 ug/L	84
25) Chloroform	5.13	83	12686	1.026 ug/L	98
27) 1,2-Dichloroethane	5.83	62	8874	1.074 ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	11101	1.029 ug/L	98
30) Cyclohexane	5.43	56	12244	1.108 ug/L	98
31) Carbon tetrachloride	5.56	117	9045	0.971 ug/L	99
33) Benzene	5.81	78	27772	1.093 ug/L	100
34) Trichloroethene	6.57	95	7267	1.004 ug/L	93
35) Methylcyclohexane	6.79	83	12529	1.094 ug/L	96
37) 1,2-Dichloropropane	6.82	63	7296	1.111 ug/L #	92
38) Bromodichloromethane	7.14	83	9583	1.067 ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	11057	1.032 ug/L	94
40) 4-Methyl-2-pentanone	7.82	43	54551	12.475 ug/L	100

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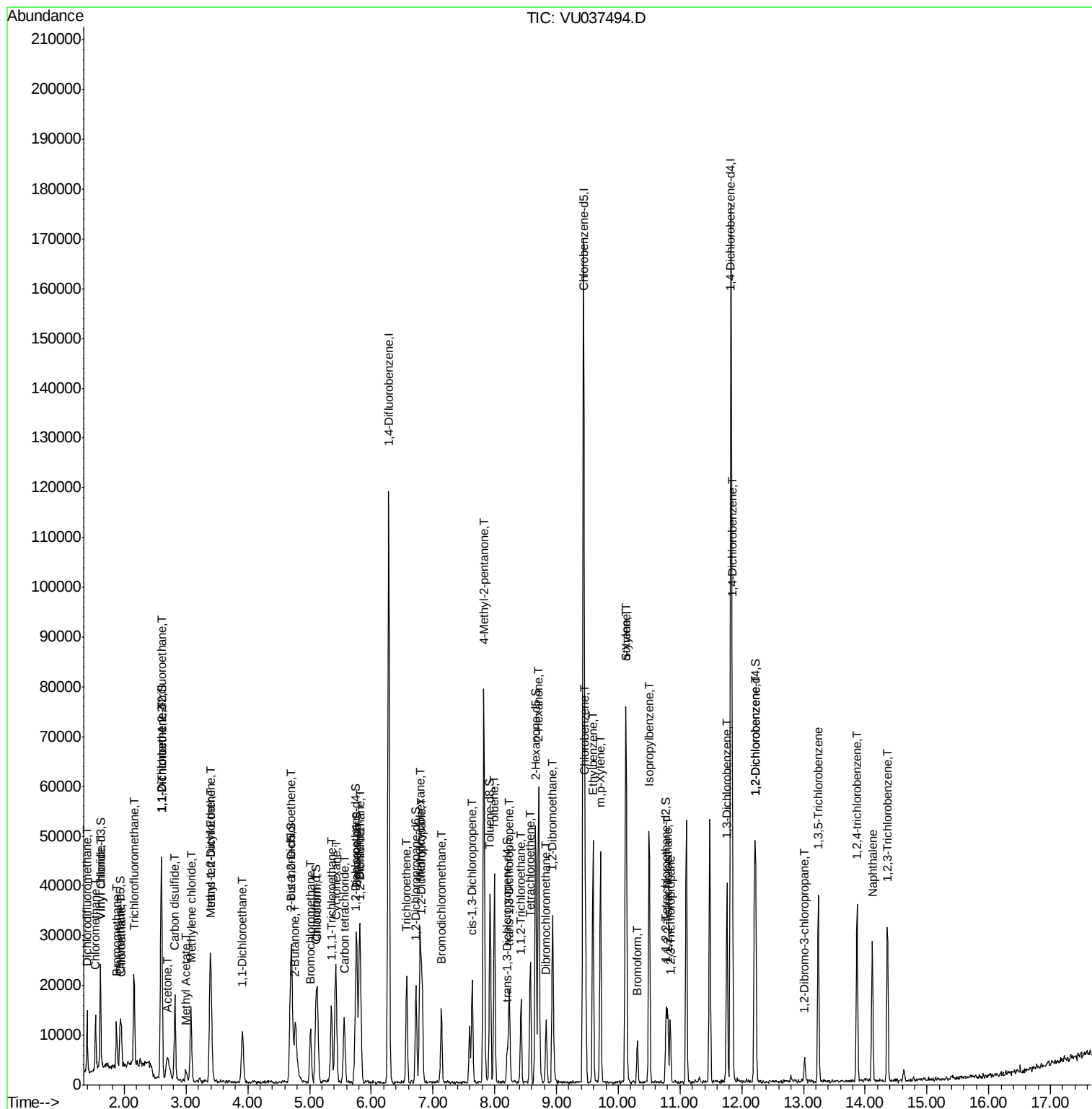
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	29069	1.062	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	9760	1.019	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	5000	1.018	ug/L	94
47) Tetrachloroethene	8.57	164	4960	0.995	ug/L	89
48) 2-Hexanone	8.71	43	39099	12.405	ug/L	97
49) Dibromochloromethane	8.83	129	6373	1.051	ug/L	85
50) 1,2-Dibromoethane	8.95	107	4940	1.036	ug/L #	91
51) Chlorobenzene	9.47	112	17913	0.947	ug/L	99
52) Ethylbenzene	9.59	91	33770	1.075	ug/L	98
53) m,p-Xylene	9.71	106	12035	1.014	ug/L	98
54) o-Xylene	10.12	106	12143	1.048	ug/L	89
55) Styrene	10.13	104	20608	1.041	ug/L	98
56) Isopropylbenzene	10.50	105	31810	1.030	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	7198	1.148	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	4928	1.079	ug/L	100
61) Bromoform	10.31	173	3327	1.002	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	14243	1.109	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	14738	1.075	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	13461	1.086	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	1464	1.342	ug/L #	83
67) 1,3,5-Trichlorobenzene	13.24	180	9994	1.003	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	9227	0.961	ug/L	96
69) Naphthalene	14.11	128	21648	1.161	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	8191	0.949	ug/L	95

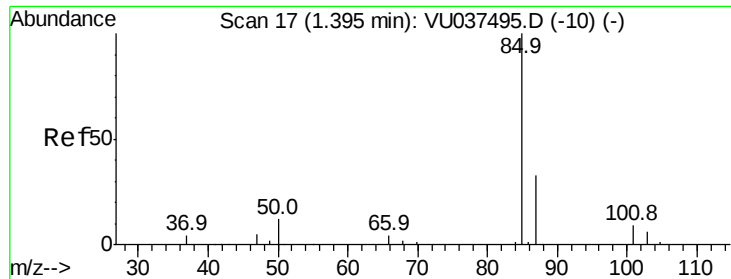
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.941 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

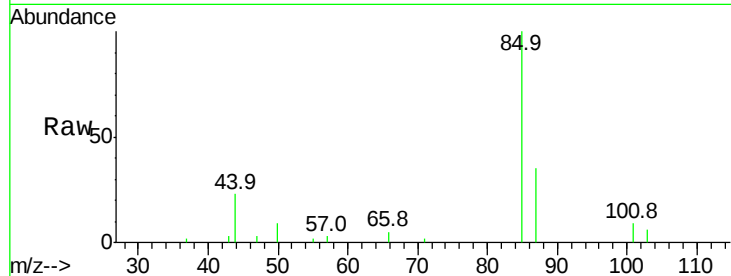
VSTD00104

Tgt Ion: 85 Resp: 7218

Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU037495.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037495.D (-10) (-)

1.39

8000

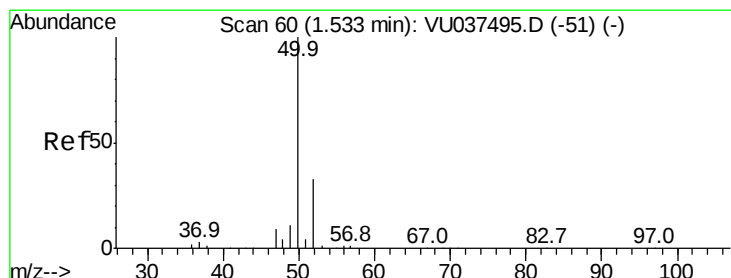
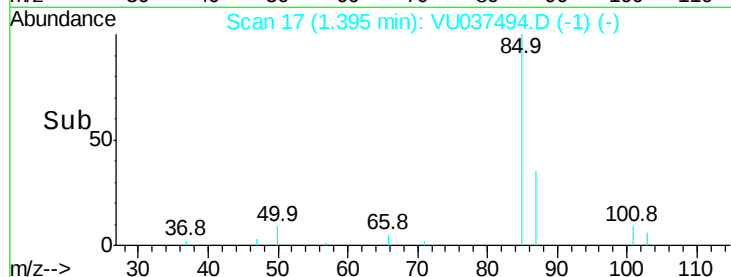
6000

4000

2000

0

Time-->



#3

Chloromethane

Concen: 1.073 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037494.D

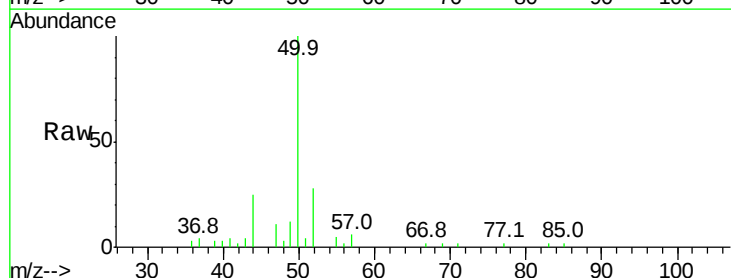
Acq: 31 Mar 2020 11:48

Tgt Ion: 50 Resp: 7297

Ion Ratio Lower Upper

50 100

52 28.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU037495.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037495.D (-51) (-)

1.53

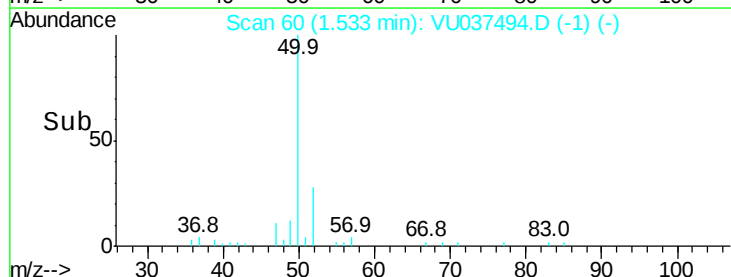
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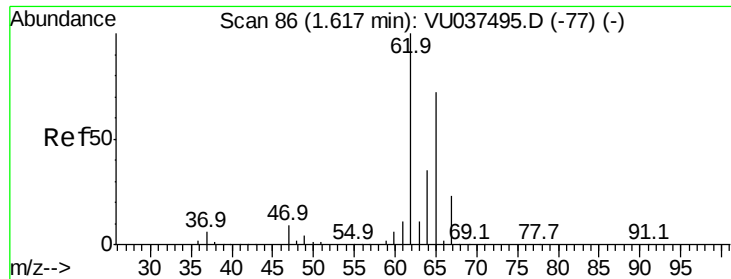
4000

2000

0

Time-->





#5

Vinyl chloride

Concen: 1.068 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

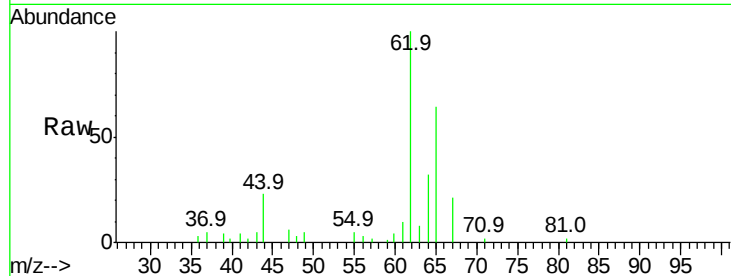
VSTD00104

Tgt Ion: 62 Resp: 7645

Ion Ratio Lower Upper

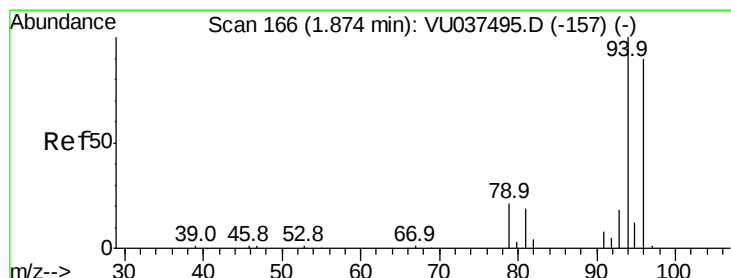
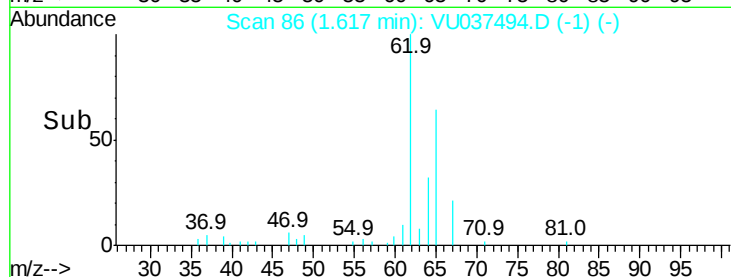
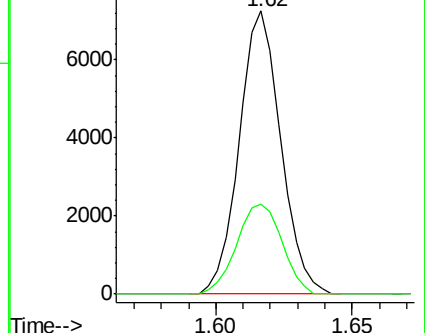
62 100

64 31.9 24.8 46.0



Abundance Ion 62.00 (61.70 to 62.70): VU037494.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037494.D (-77) (-)



#6

Bromomethane

Concen: 0.959 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU037494.D

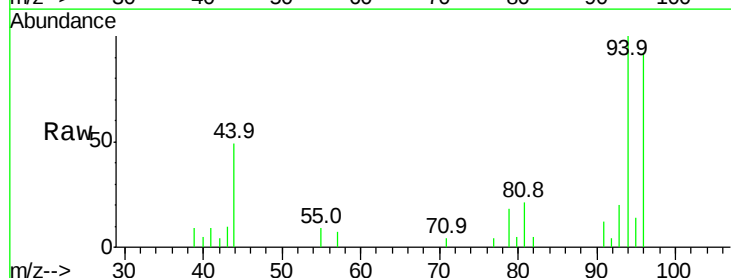
Acq: 31 Mar 2020 11:48

Tgt Ion: 94 Resp: 3870

Ion Ratio Lower Upper

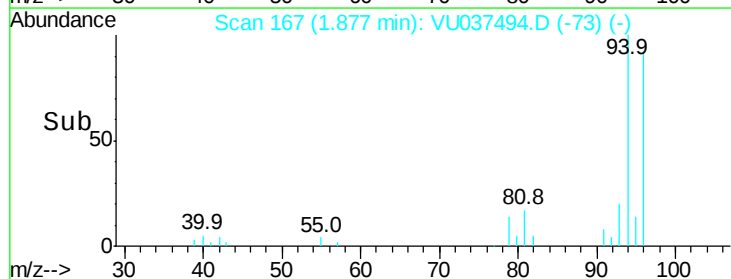
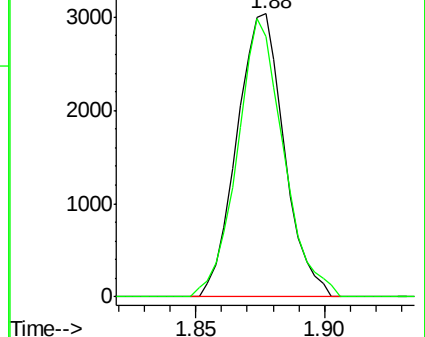
94 100

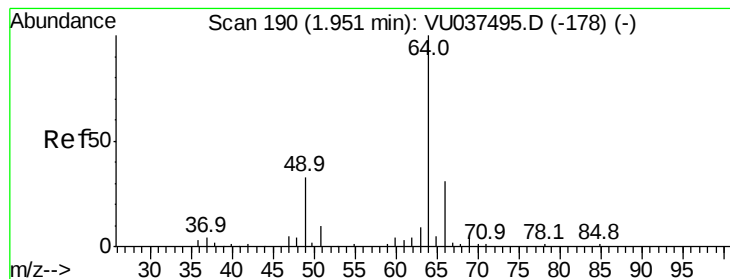
96 92.0 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU037494.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037494.D (-157) (-)





#8

Chloroethane

Concen: 1.150 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

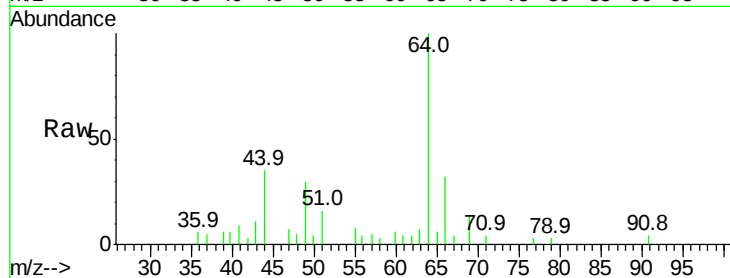
VSTD00104

Tgt Ion: 64 Resp: 4592

Ion Ratio Lower Upper

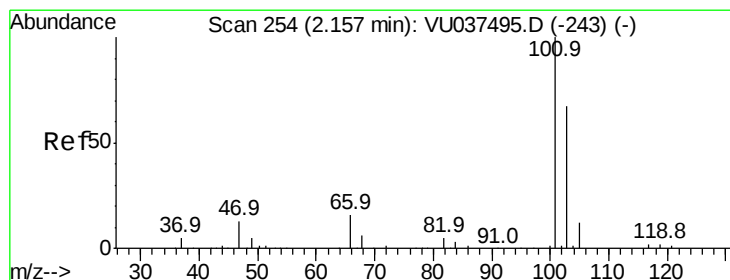
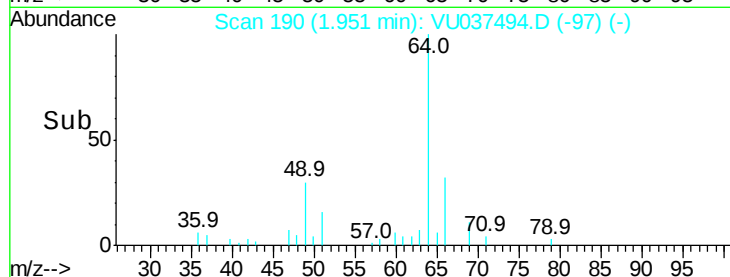
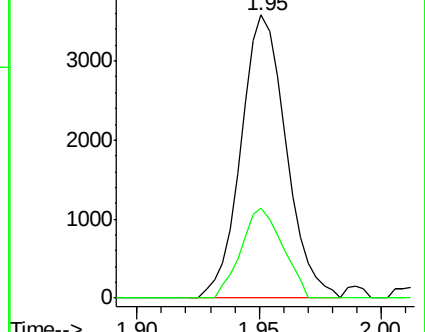
64 100

66 32.0 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VU037495.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037495.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 1.129 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037494.D

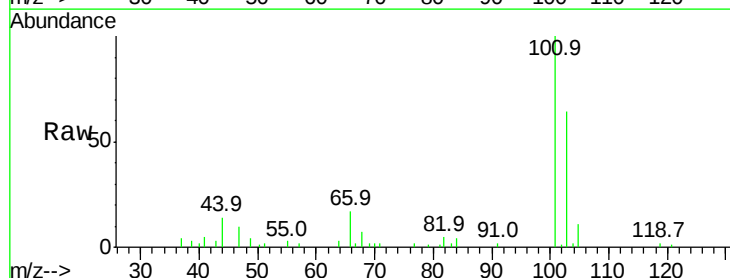
Acq: 31 Mar 2020 11:48

Tgt Ion: 101 Resp: 10819

Ion Ratio Lower Upper

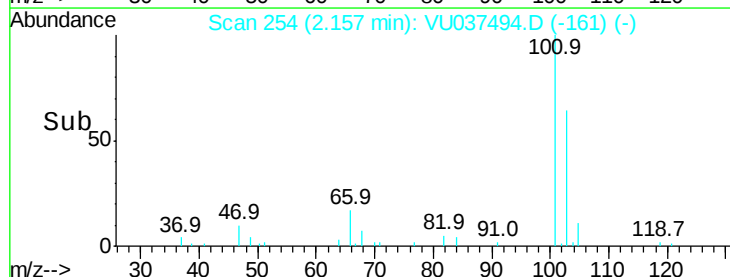
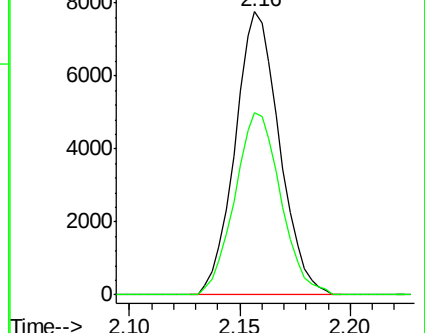
101 100

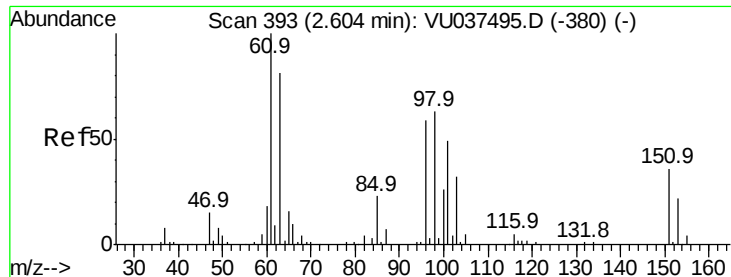
103 66.5 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU037495.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU037495.D (-243) (-)





#10

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

Concen: 1.100 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

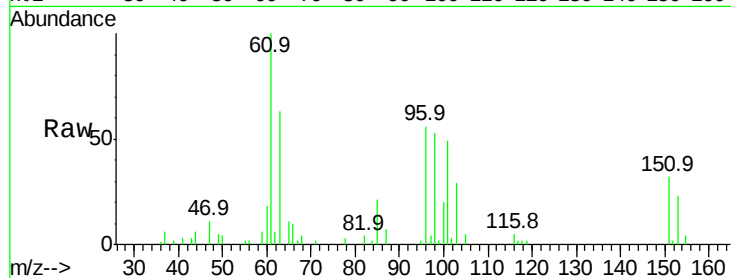
Tgt Ion:101 Resp: 6423

Ion Ratio Lower Upper

101 100

85 46.1 36.6 54.8

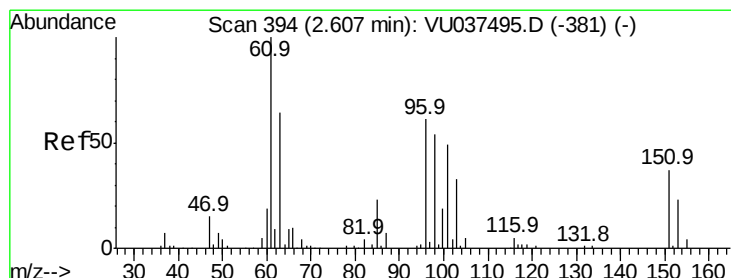
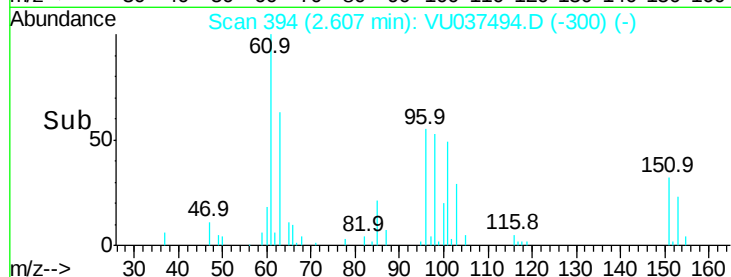
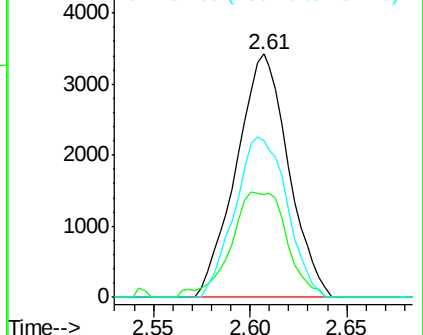
151 65.6 55.9 83.9



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: 1.049 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

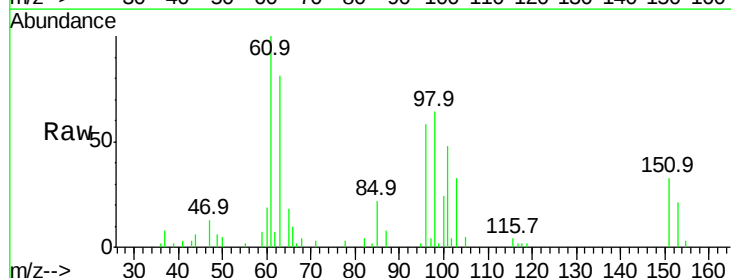
Tgt Ion: 96 Resp: 6310

Ion Ratio Lower Upper

96 100

61 172.4 116.2 215.8

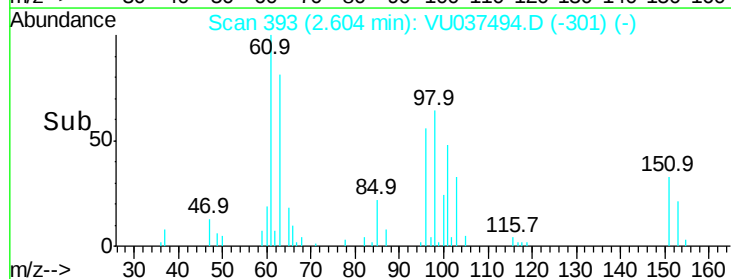
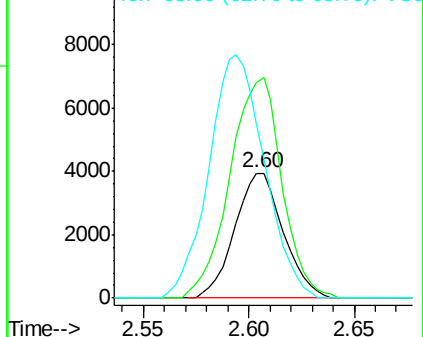
63 139.7 79.2 147.0

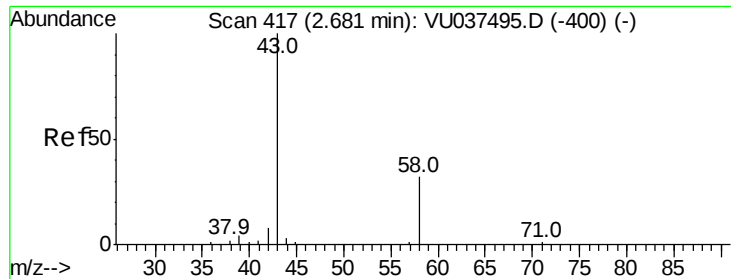


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.650 ug/L

RT: 2.69 min Scan# 421

Delta R.T. 0.01 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

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MSVOA_U

ClientSampleId :

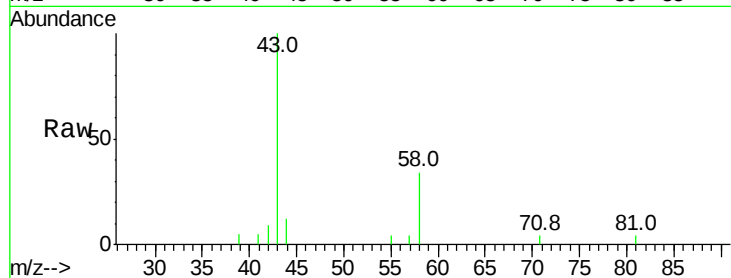
VSTD00104

Tgt Ion: 43 Resp: 5973

Ion Ratio Lower Upper

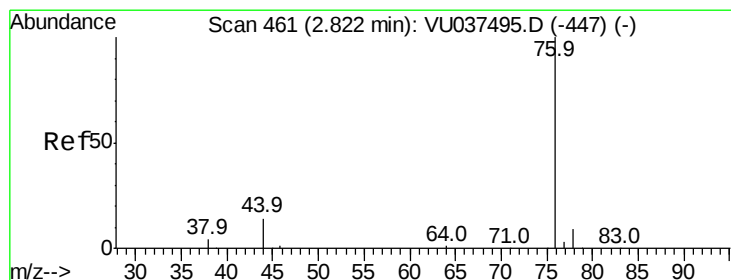
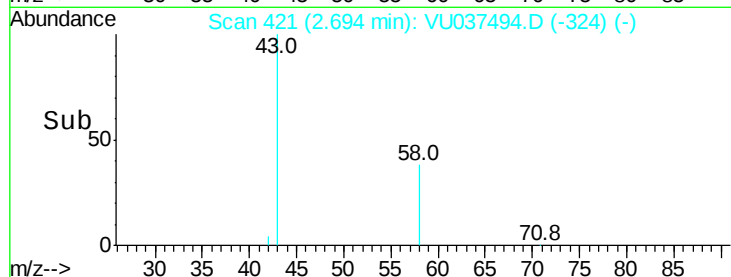
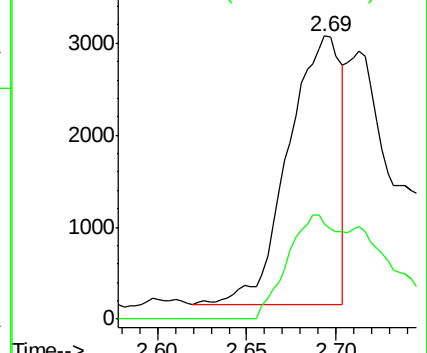
43 100

58 40.1 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037494.D (-421) (-)

Ion 58.05 (57.75 to 58.75): VU037494.D (-421) (-)



#14

Carbon disulfide

Concen: 1.048 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037494.D

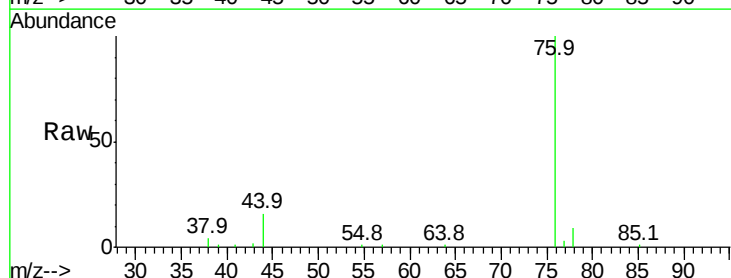
Acq: 31 Mar 2020 11:48

Tgt Ion: 76 Resp: 21561

Ion Ratio Lower Upper

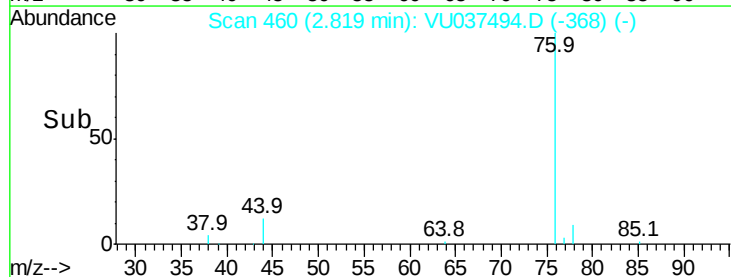
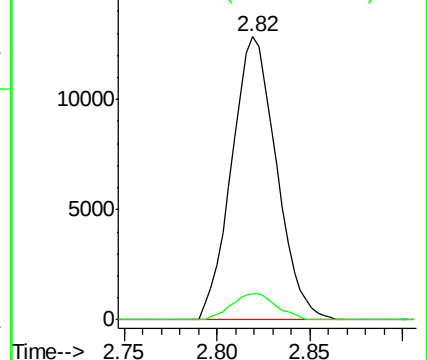
76 100

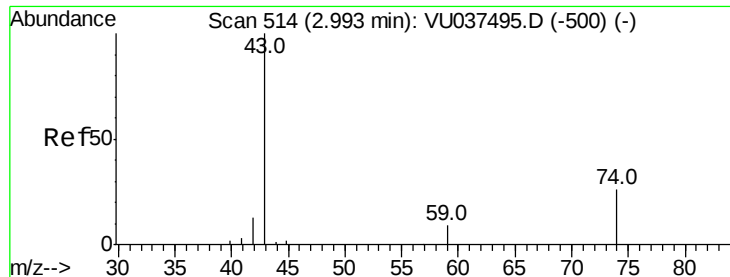
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU037494.D (-460) (-)

Ion 78.00 (77.70 to 78.70): VU037494.D (-460) (-)





#15

Methyl Acetate

Concen: 1.071 ug/L

RT: 2.99 min Scan# 514

Delta R.T. 0.00 min

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Acq: 31 Mar 2020 11:48

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ClientSampleId :

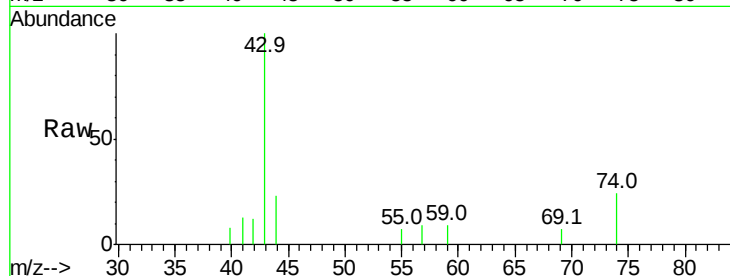
VSTD00104

Tgt Ion: 43 Resp: 3164

Ion Ratio Lower Upper

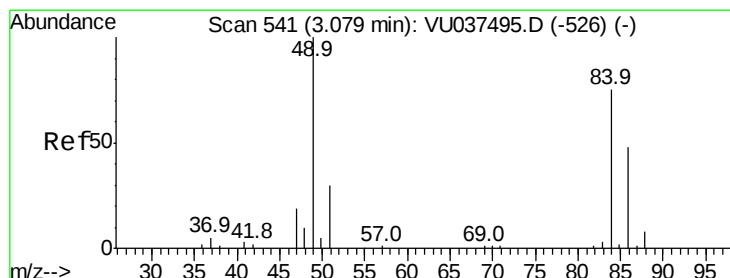
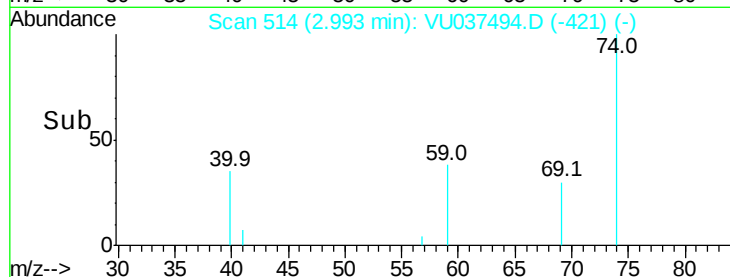
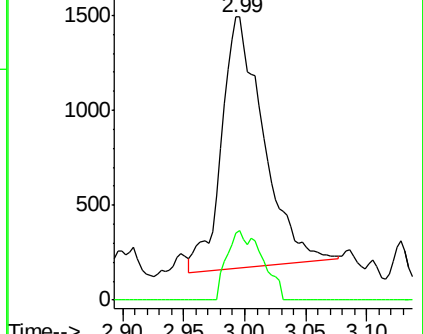
43 100

74 13.5 17.9 26.9#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 1.055 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

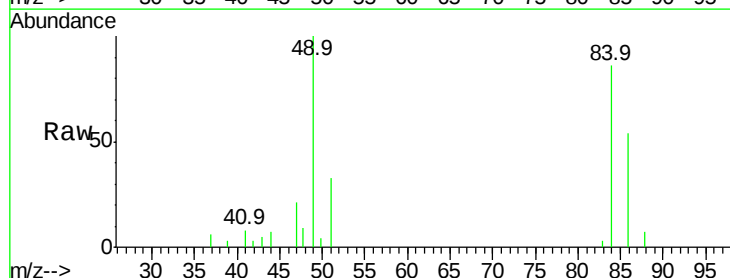
Tgt Ion: 84 Resp: 7090

Ion Ratio Lower Upper

84 100

86 62.4 44.7 82.9

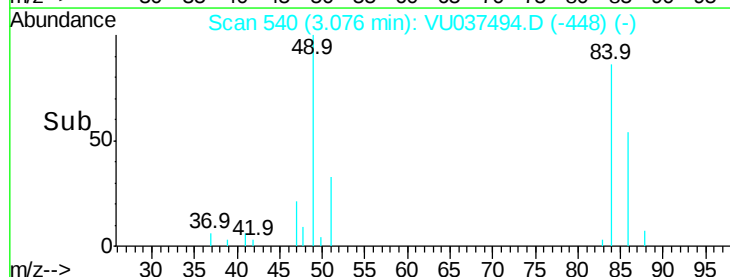
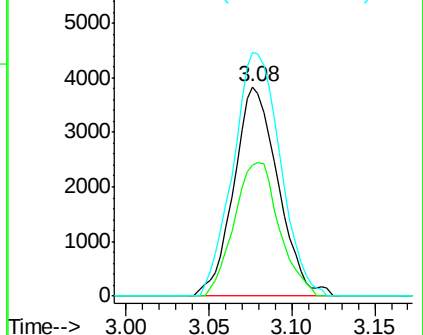
49 116.2 92.7 172.3

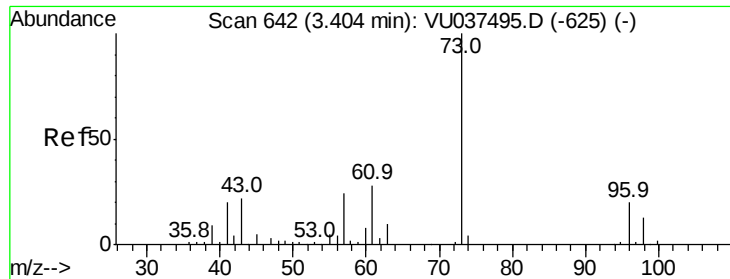


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

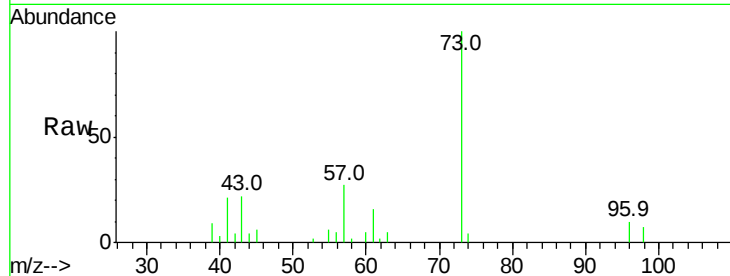




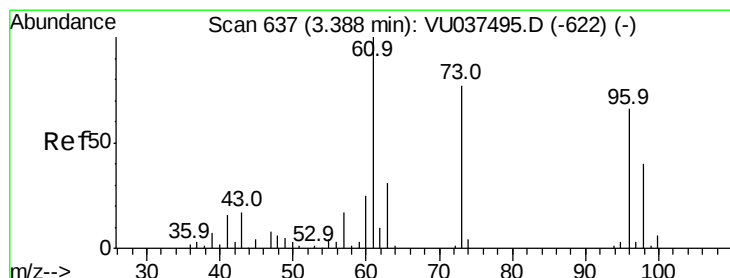
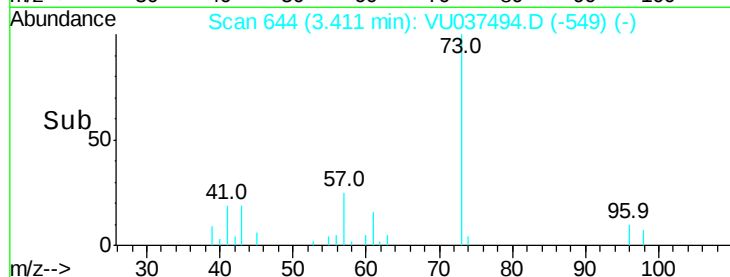
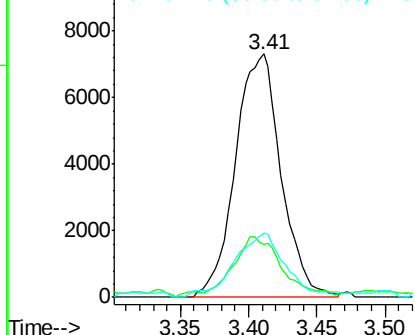
#17
Methyl tert-butyl Ether
Concen: 1.041 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.01 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion: 73 Resp: 17030
Ion Ratio Lower Upper
73 100
43 27.0 17.4 26.2#
57 29.2 19.3 28.9#

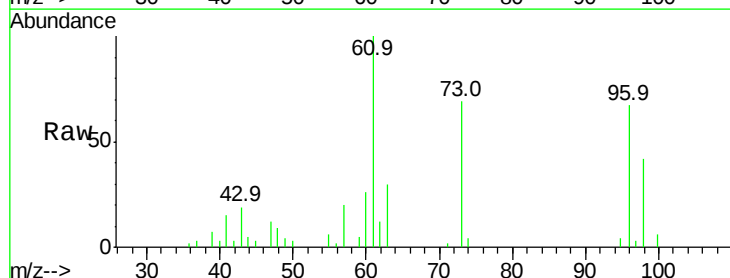


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

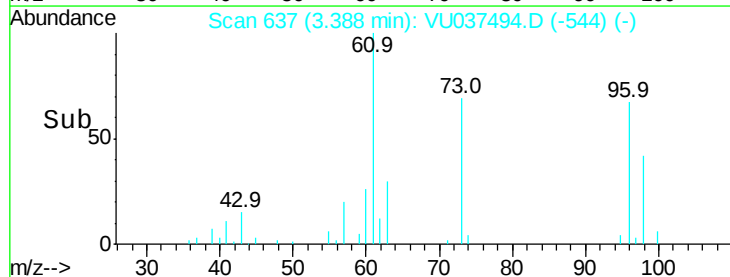
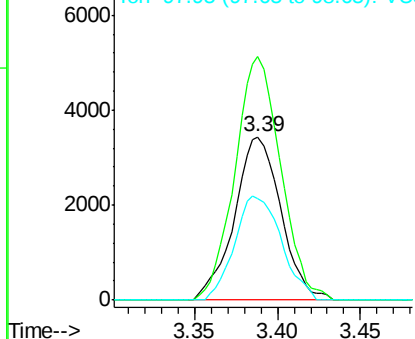


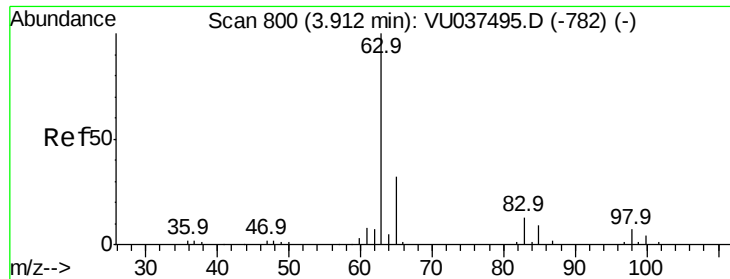
#18
trans-1,2-Dichloroethene
Concen: 1.069 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Tgt Ion: 96 Resp: 6720
Ion Ratio Lower Upper
96 100
61 149.3 105.3 195.6
98 62.5 42.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

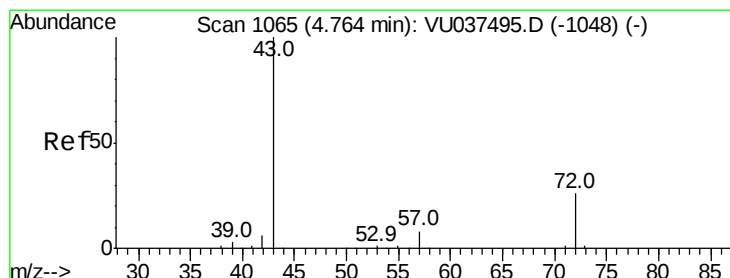
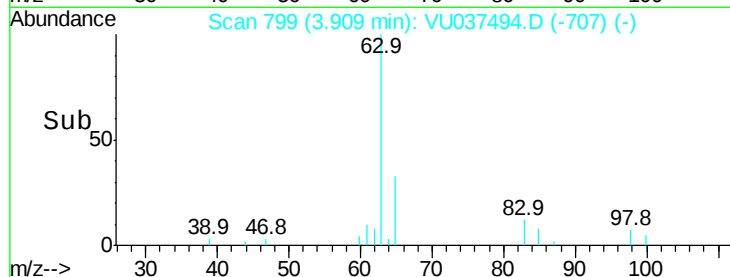
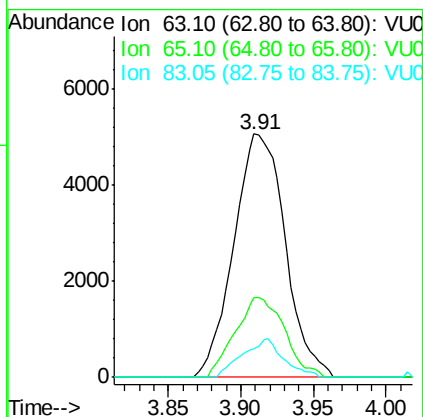
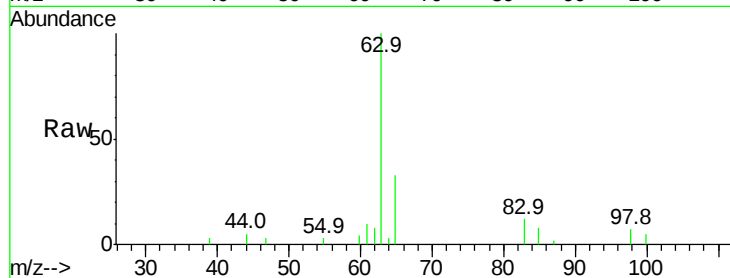




#19
 1,1-Dichloroethane
 Concen: 1.060 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

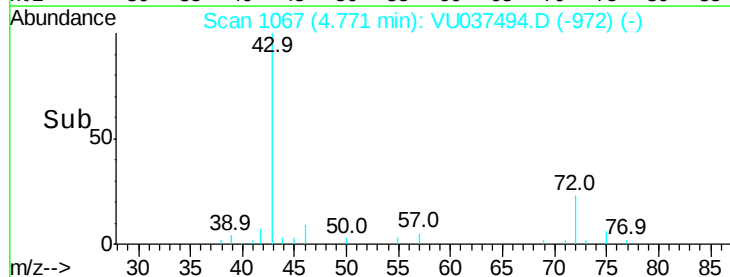
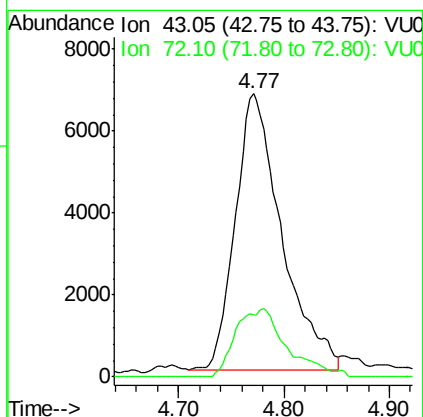
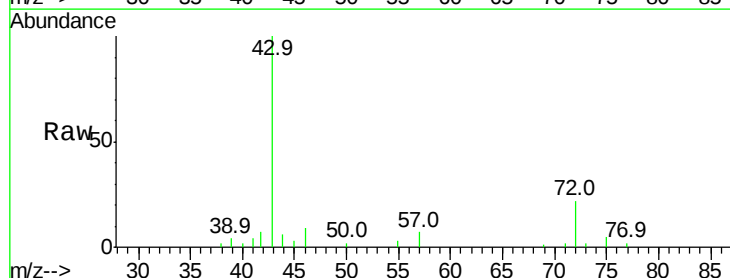
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

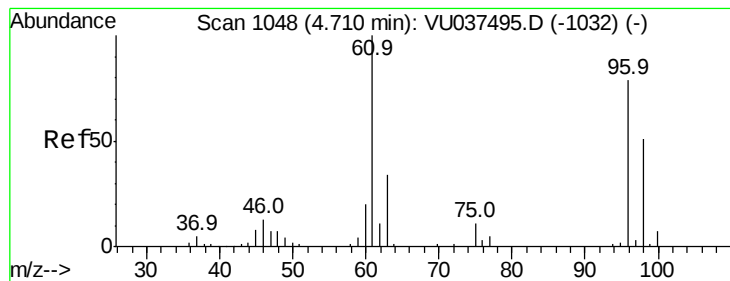
Tgt Ion: 63 Resp: 12456
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.3 41.5
 83 11.8 9.2 17.0



#21
 2-Butanone
 Concen: 11.436 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Tgt Ion: 43 Resp: 20551
 Ion Ratio Lower Upper
 43 100
 72 27.0 13.7 41.0





#22

cis-1,2-Dichloroethene

Concen: 1.054 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

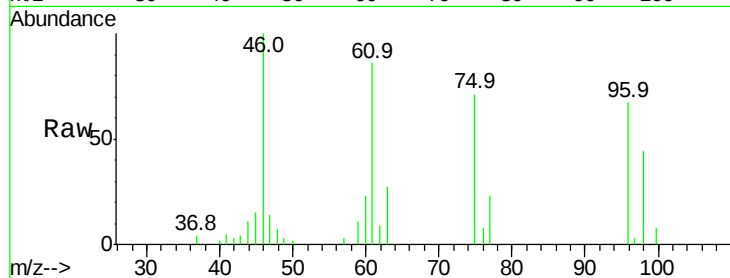
Tgt Ion: 96 Resp: 7424

Ion Ratio Lower Upper

96 100

61 128.0 89.1 165.5

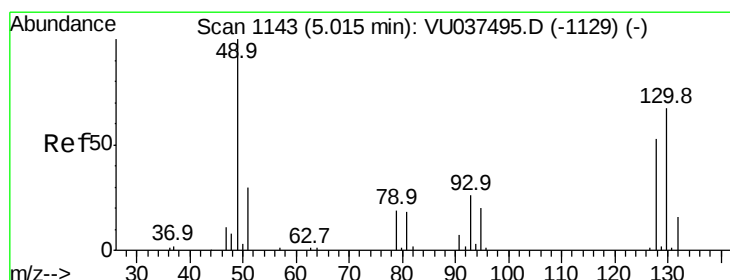
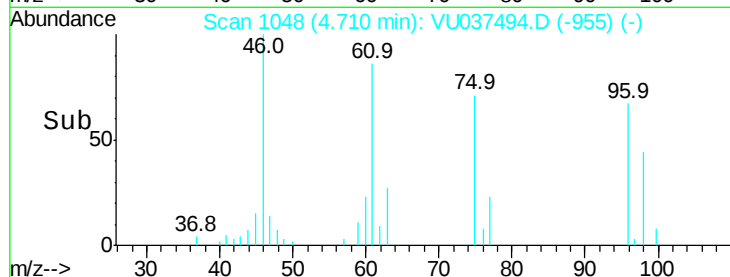
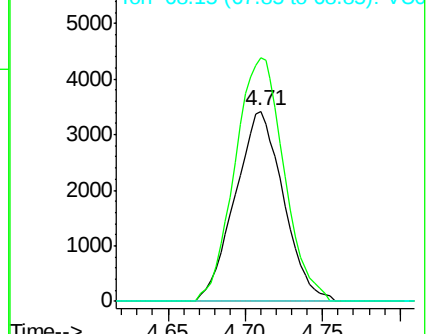
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037494.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU037494.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU037494.D (-1032) (-)



#23

Bromochloromethane

Concen: 0.940 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Tgt Ion: 128 Resp: 2926

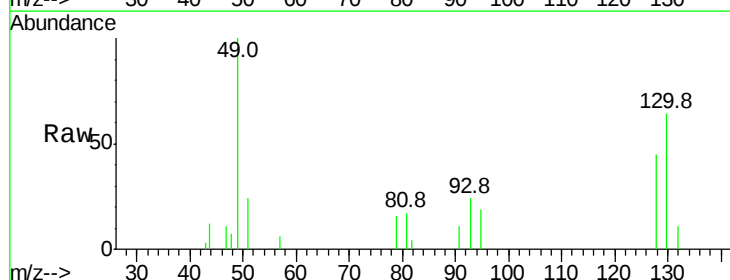
Ion Ratio Lower Upper

128 100

49 220.9 132.4 245.8

130 141.3 88.6 164.6

51 54.0 45.4 68.0

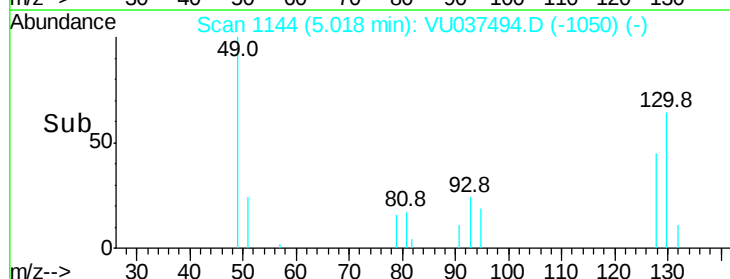
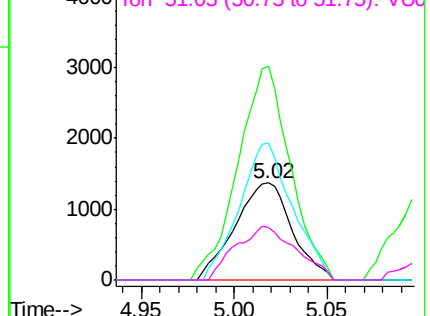


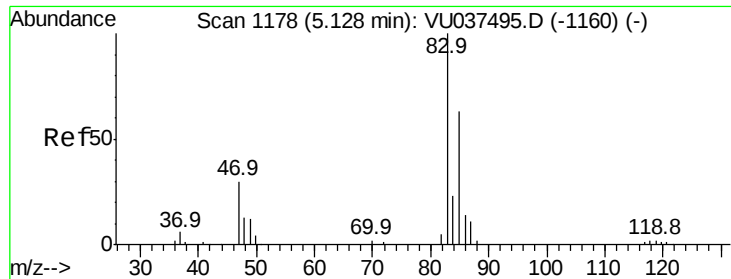
Abundance Ion 127.90 (127.60 to 128.60): VU037494.D (-1129) (-)

Ion 49.10 (48.80 to 49.80): VU037494.D (-1129) (-)

Ion 129.95 (129.65 to 130.65): VU037494.D (-1129) (-)

Ion 51.05 (50.75 to 51.75): VU037494.D (-1129) (-)

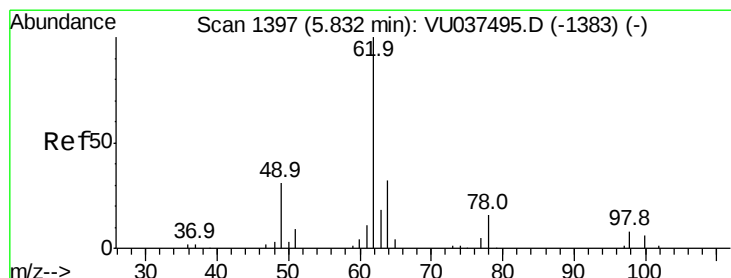
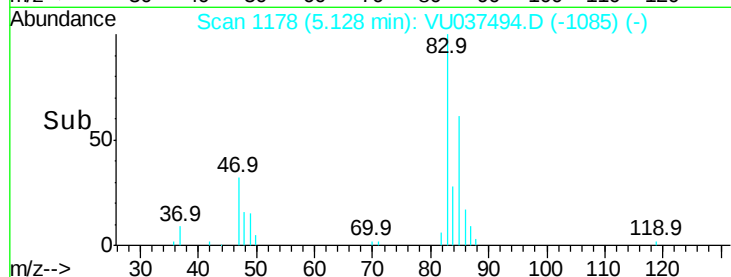
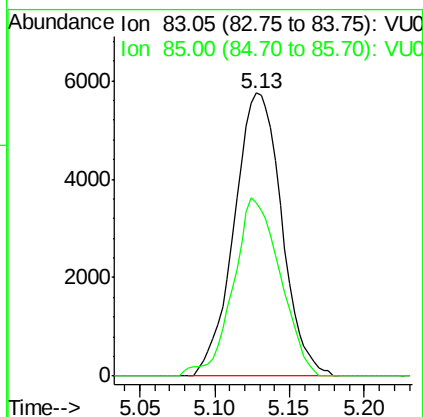
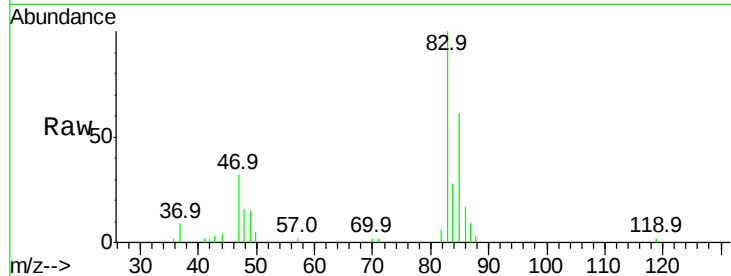




#25
Chloroform
Concen: 1.026 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

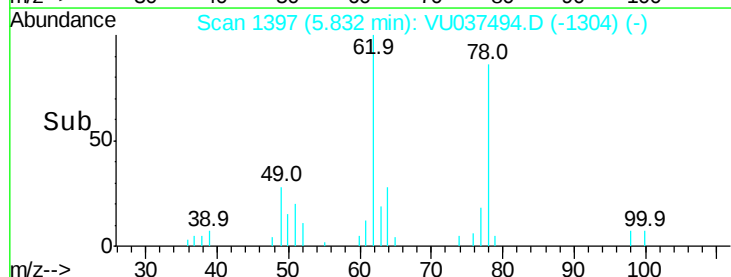
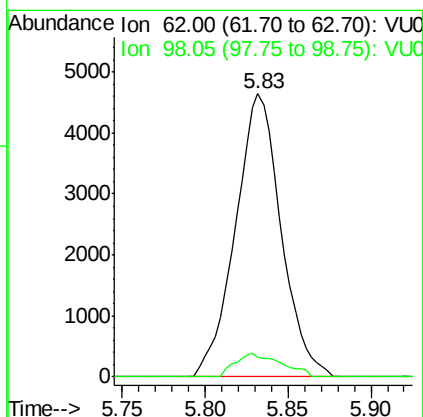
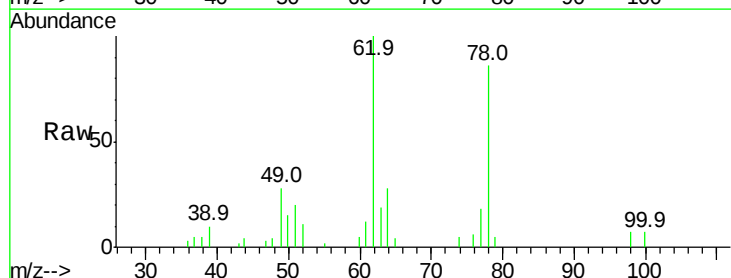
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

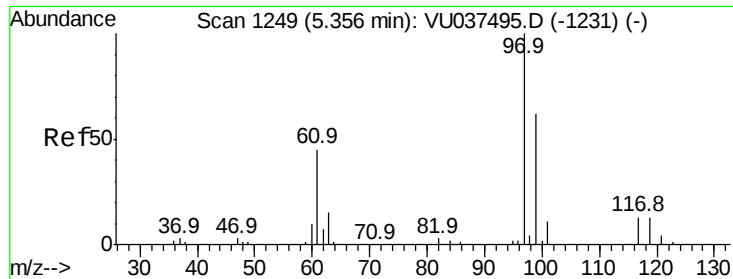
Tgt Ion: 83 Resp: 12686
Ion Ratio Lower Upper
83 100
85 61.1 44.1 81.9



#27
1,2-Dichloroethane
Concen: 1.074 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Tgt Ion: 62 Resp: 8874
Ion Ratio Lower Upper
62 100
98 7.0 6.3 9.5

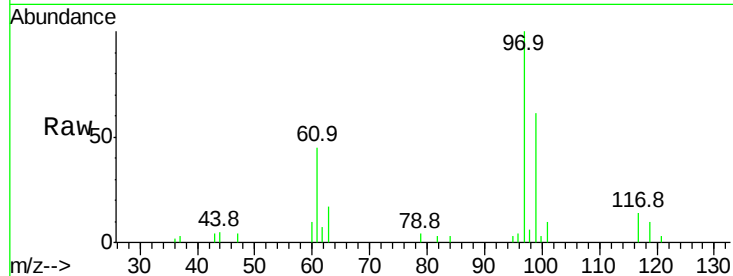




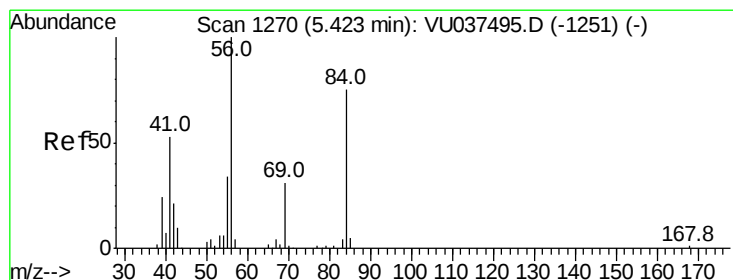
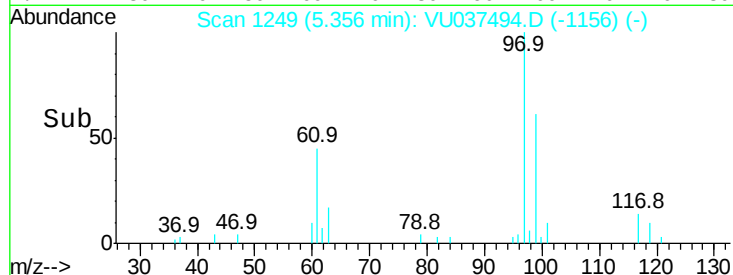
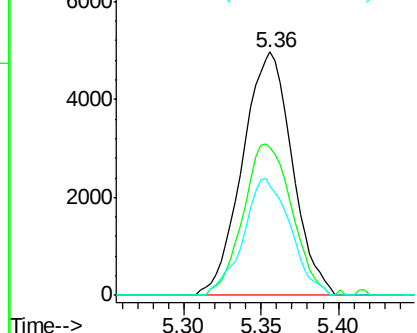
#29
 1,1,1-Trichloroethane
 Concen: 1.029 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 97 Resp: 11101
 Ion Ratio Lower Upper
 97 100
 99 60.6 50.9 76.3
 61 45.3 36.5 54.7

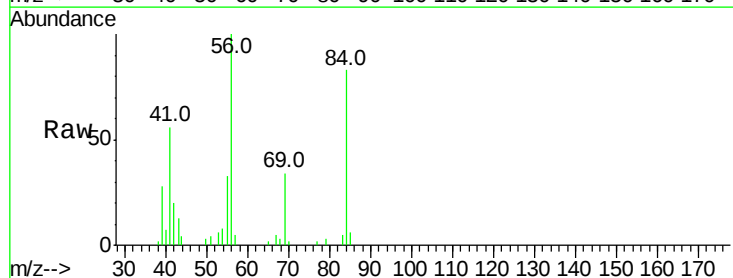


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

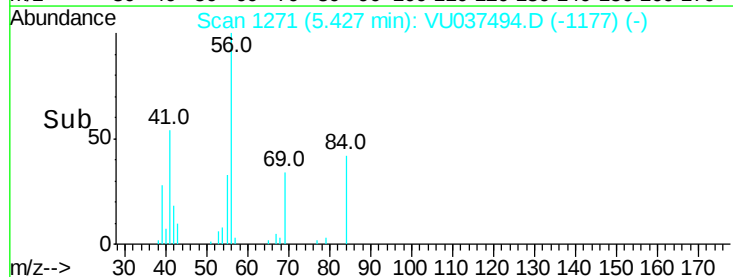
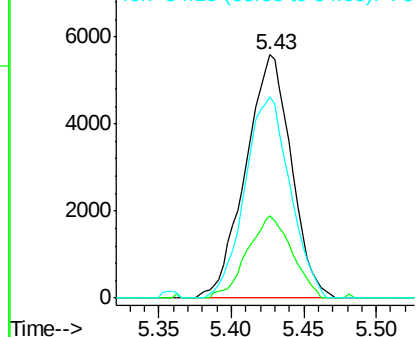


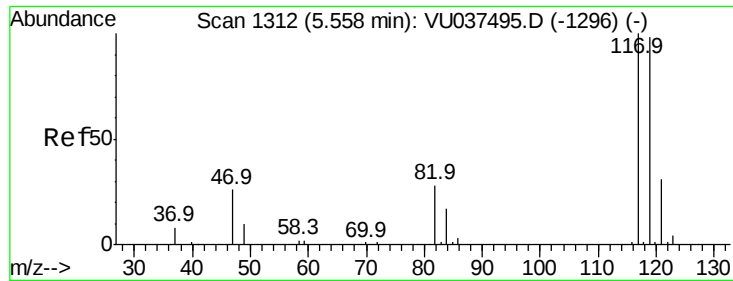
#30
 Cyclohexane
 Concen: 1.108 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Tgt Ion: 56 Resp: 12244
 Ion Ratio Lower Upper
 56 100
 69 33.0 24.4 36.6
 84 82.0 65.3 97.9



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



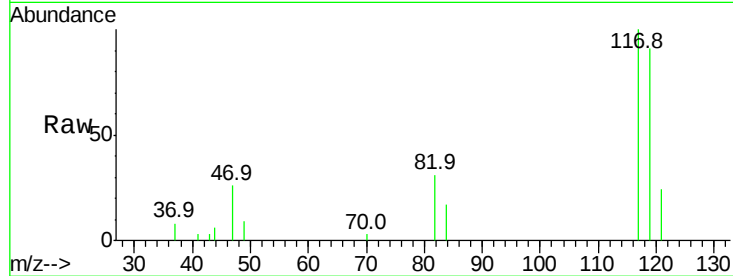


#31

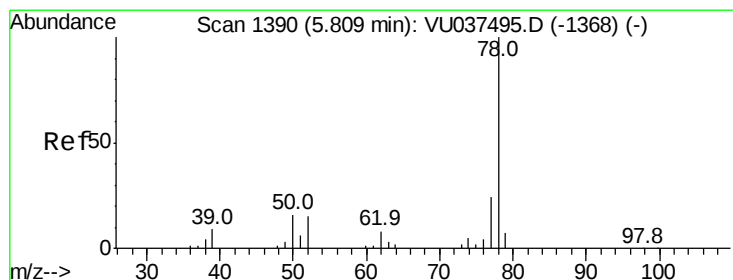
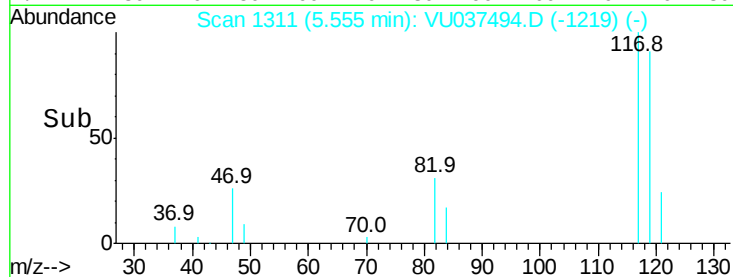
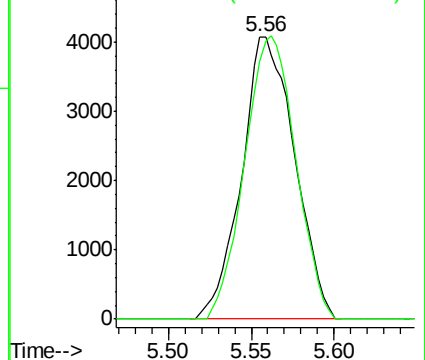
Carbon tetrachloride
Concen: 0.971 ug/L
RT: 5.56 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:117 Resp: 9045
Ion Ratio Lower Upper
117 100
119 96.5 77.6 116.4



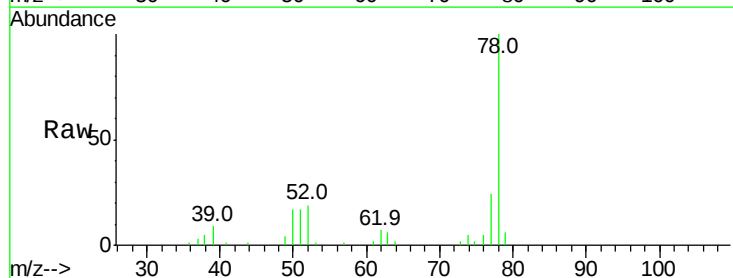
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



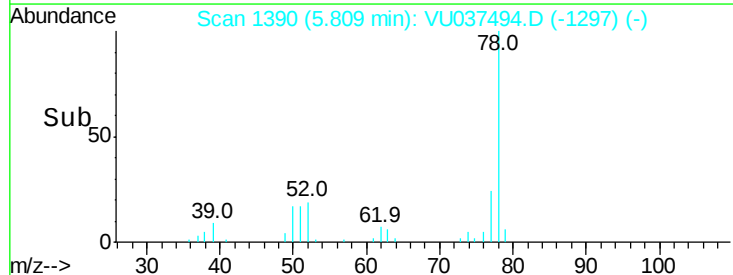
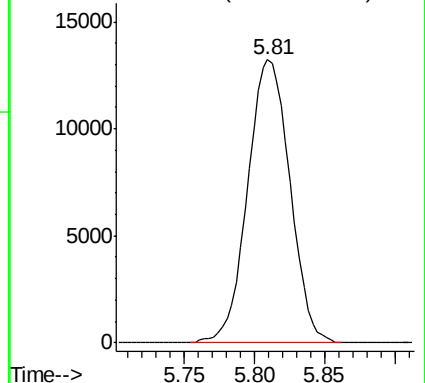
#33

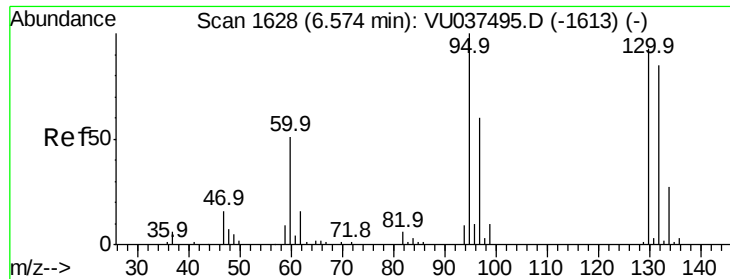
Benzene
Concen: 1.093 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Tgt Ion: 78 Resp: 27772



Abundance Ion 78.10 (77.80 to 78.80): VU0

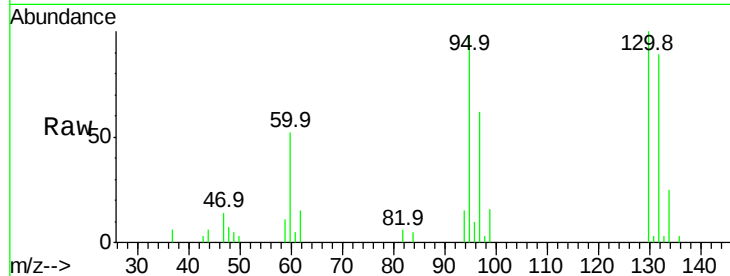




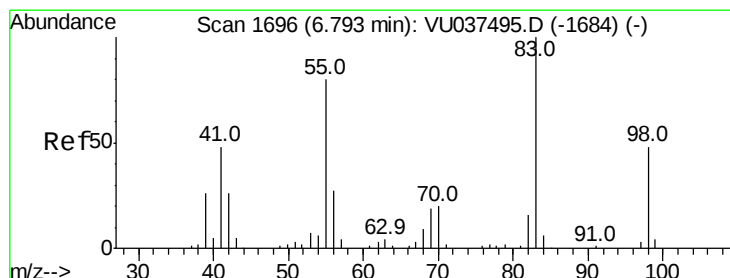
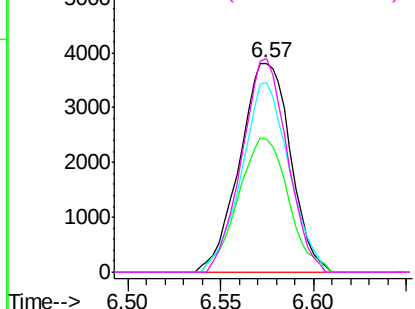
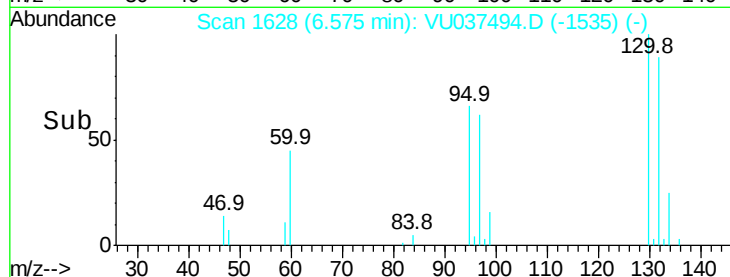
#34
 Trichloroethene
 Concen: 1.004 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 95 Resp: 7267
 Ion Ratio Lower Upper
 95 100
 97 63.6 41.8 77.6
 132 90.9 59.8 111.0
 130 102.2 65.0 120.8

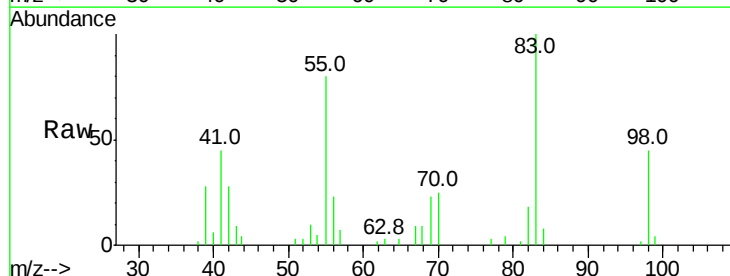


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

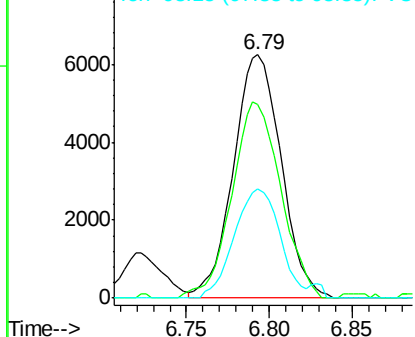
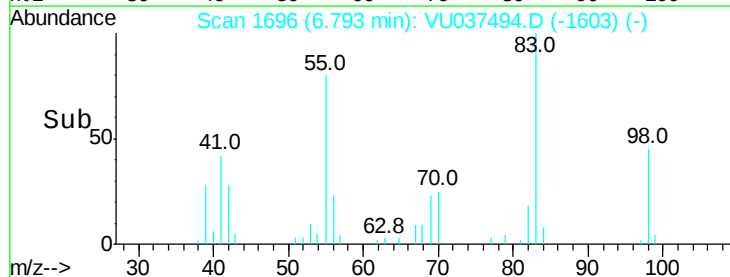


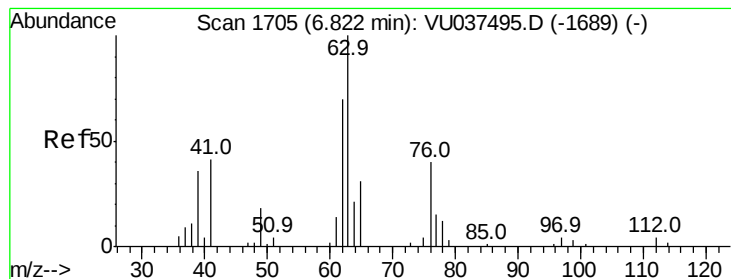
#35
 Methylcyclohexane
 Concen: 1.094 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Tgt Ion: 83 Resp: 12529
 Ion Ratio Lower Upper
 83 100
 55 82.3 64.4 96.6
 98 42.7 38.2 57.2



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





#37

1,2-Dichloropropane

Concen: 1.111 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

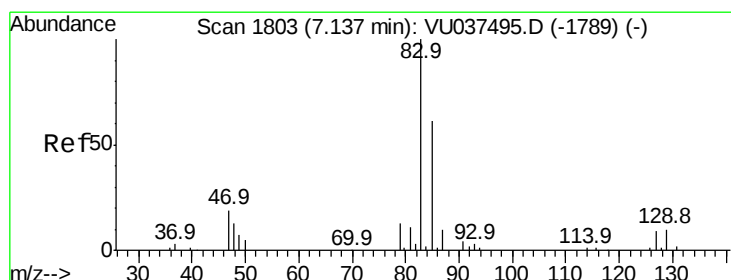
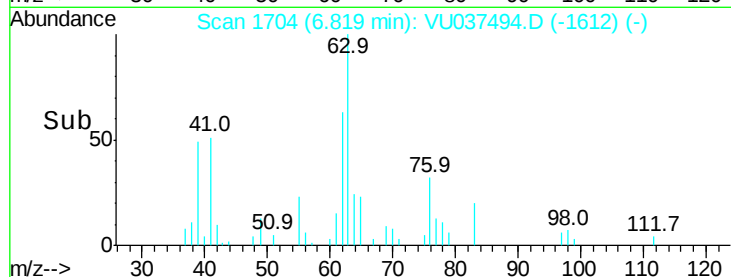
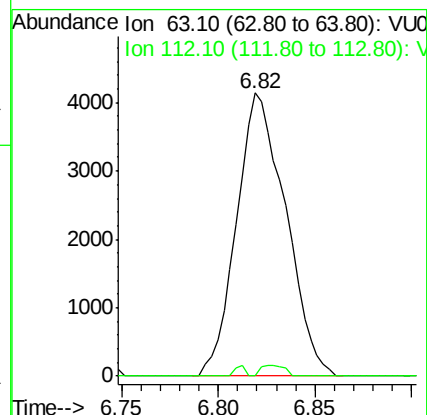
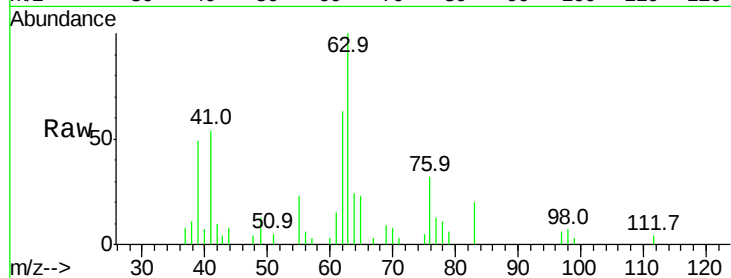
VSTD00104

Tgt Ion: 63 Resp: 7296

Ion Ratio Lower Upper

63 100

112 0.8 2.8 4.2#



#38

Bromodichloromethane

Concen: 1.067 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

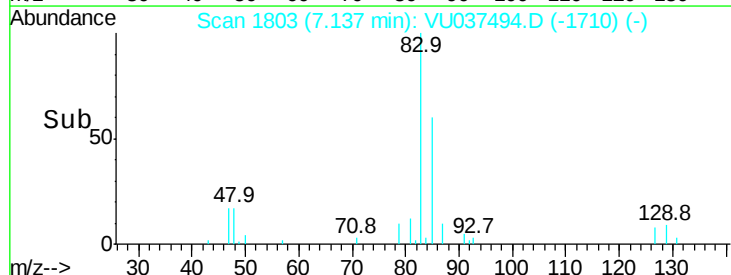
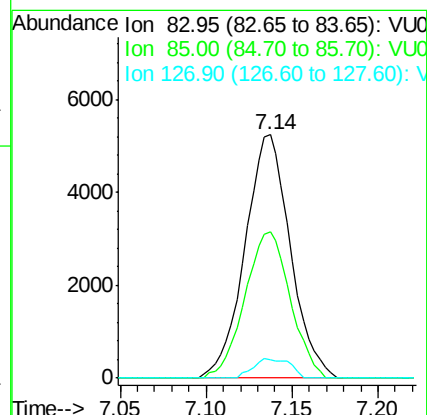
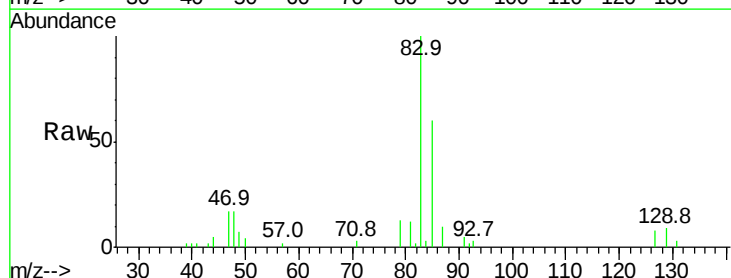
Tgt Ion: 83 Resp: 9583

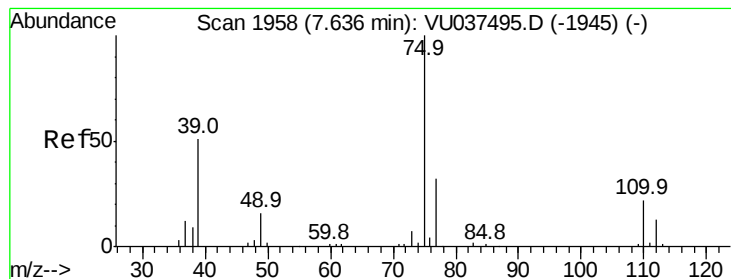
Ion Ratio Lower Upper

83 100

85 60.1 42.7 79.3

127 7.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 1.032 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

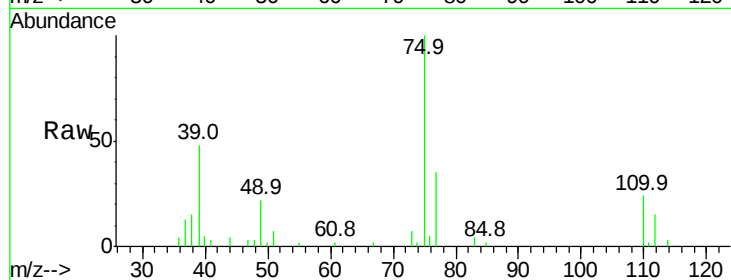
VSTD00104

Tgt Ion: 75 Resp: 11057

Ion Ratio Lower Upper

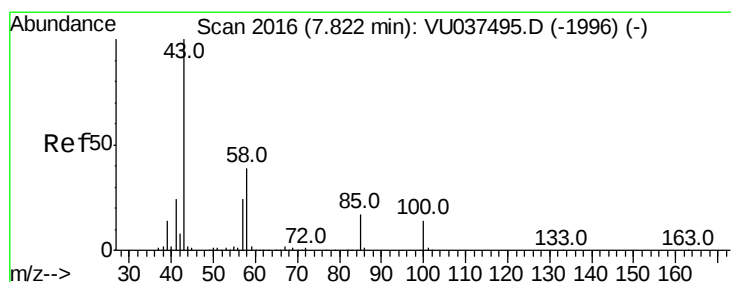
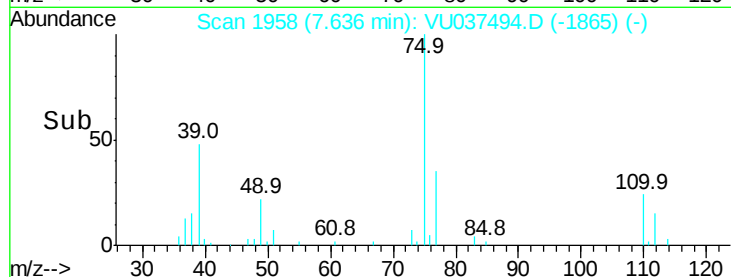
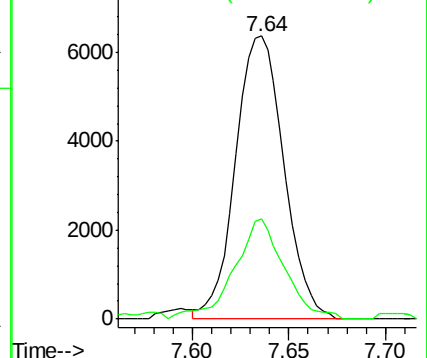
75 100

77 35.4 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 12.475 ug/L

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

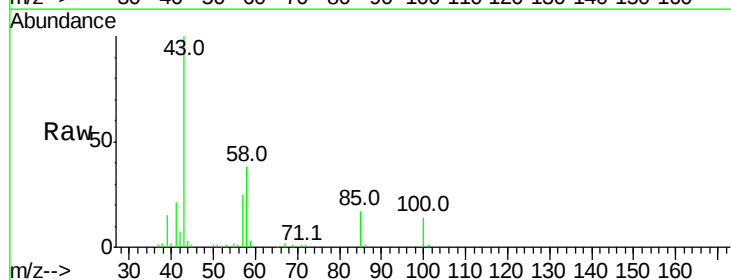
Tgt Ion: 43 Resp: 54551

Ion Ratio Lower Upper

43 100

58 38.8 31.2 46.8

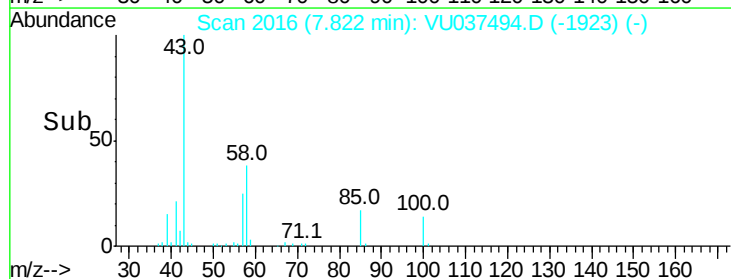
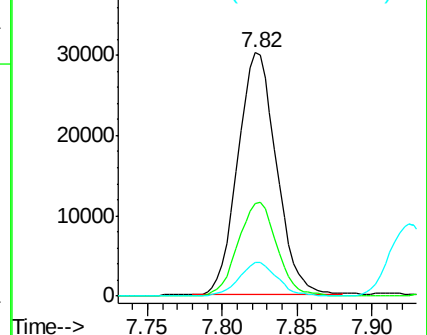
100 13.7 10.9 16.3

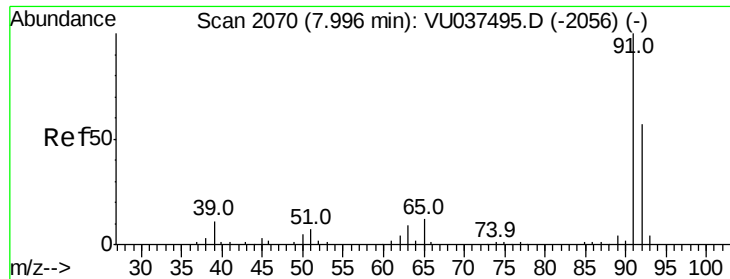


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 1.062 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

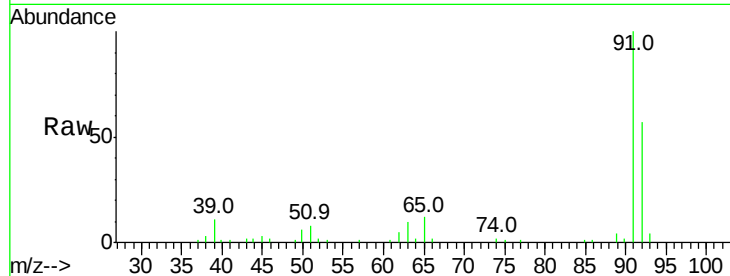
VSTD00104

Tgt Ion: 91 Resp: 29069

Ion Ratio Lower Upper

91 100

92 56.5 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU037495.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU037495.D (-2056) (-)

8.00

15000

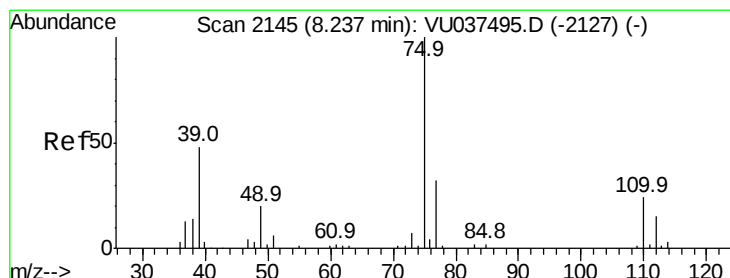
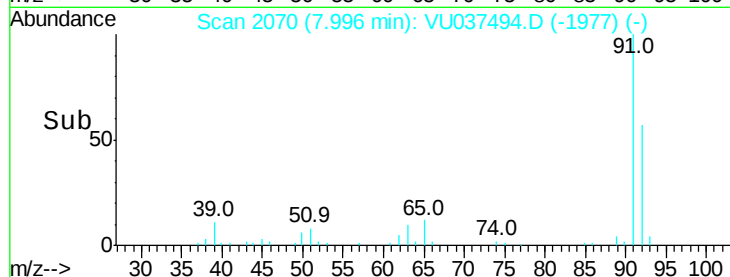
10000

5000

0

7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.019 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037494.D

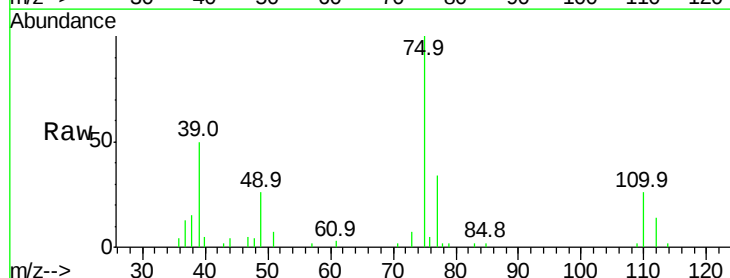
Acq: 31 Mar 2020 11:48

Tgt Ion: 75 Resp: 9760

Ion Ratio Lower Upper

75 100

77 33.8 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037495.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037495.D (-2127) (-)

8.24

6000

5000

4000

3000

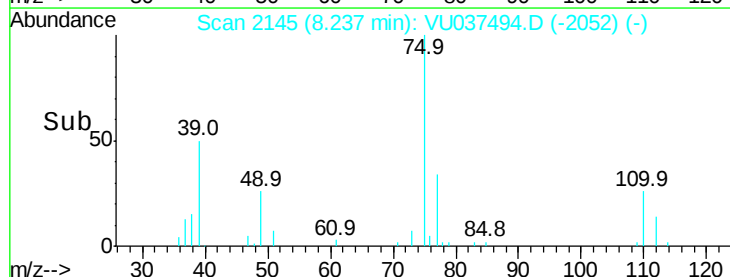
2000

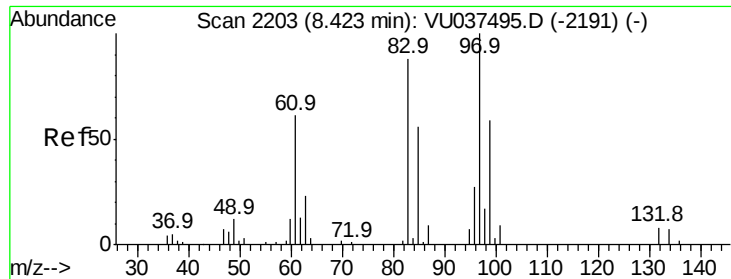
1000

0

8.15 8.20 8.25

Time-->

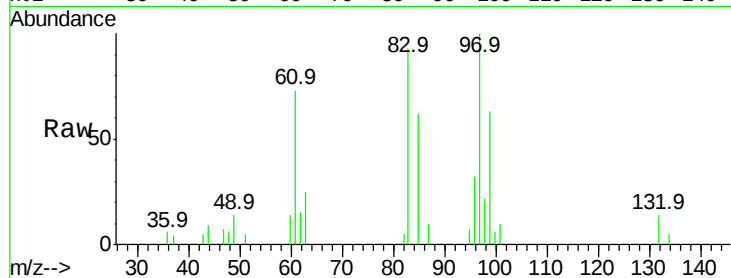




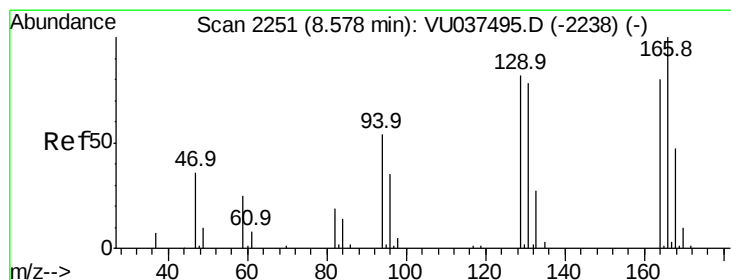
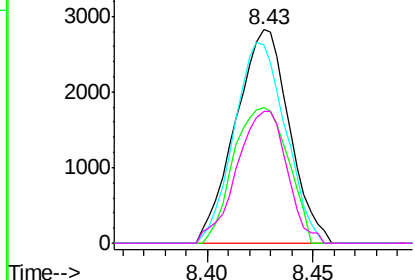
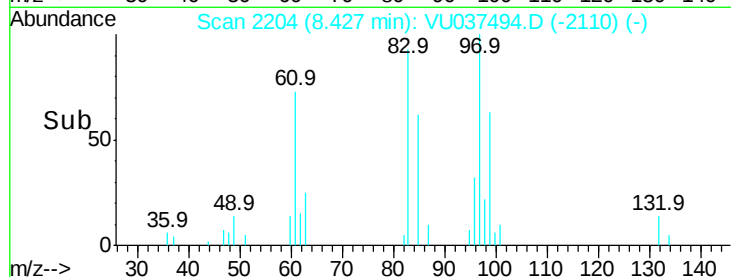
#45
1,1,2-Trichloroethane
Concen: 1.018 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion: 97 Resp: 5000
Ion Ratio Lower Upper
97 100
99 63.4 41.6 77.2
83 92.7 61.5 114.1
85 61.8 39.3 73.1

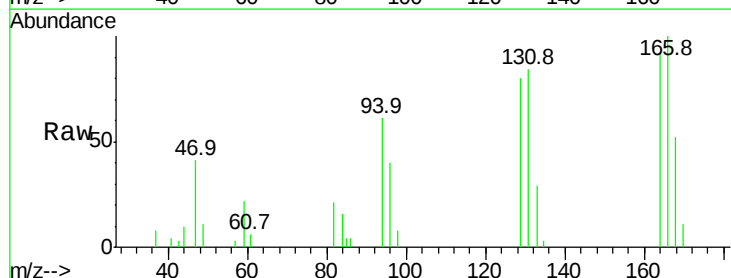


Abundance Ion 96.95 (96.65 to 97.65): VU037494.D (-2110) (-)
Ion 99.05 (98.75 to 99.75): VU037494.D (-2110) (-)
Ion 82.95 (82.65 to 83.65): VU037494.D (-2110) (-)
Ion 85.00 (84.70 to 85.70): VU037494.D (-2110) (-)

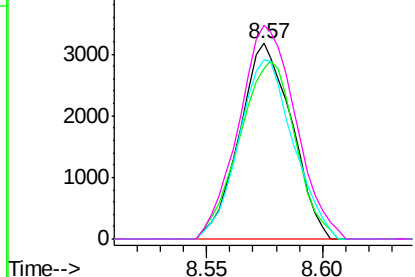
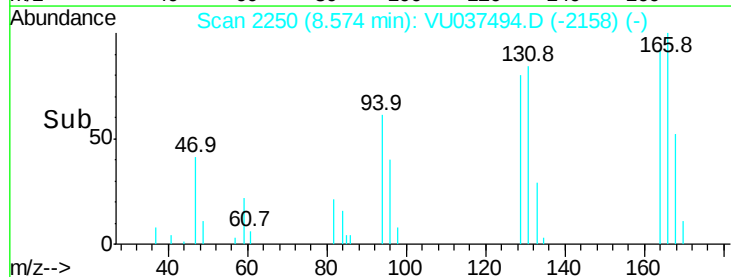


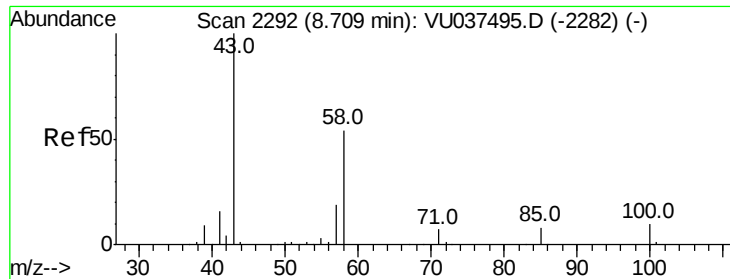
#47
Tetrachloroethene
Concen: 0.995 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Tgt Ion: 164 Resp: 4960
Ion Ratio Lower Upper
164 100
129 87.3 71.3 132.3
131 91.7 67.9 126.1
166 109.2 87.0 161.6



Abundance Ion 163.90 (163.60 to 164.60): VU037494.D (-2158) (-)
Ion 128.95 (128.65 to 129.65): VU037494.D (-2158) (-)
Ion 130.95 (130.65 to 131.65): VU037494.D (-2158) (-)
Ion 165.90 (165.60 to 166.60): VU037494.D (-2158) (-)





#48

2-Hexanone

Concen: 12.405 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion: 43 Resp: 39099

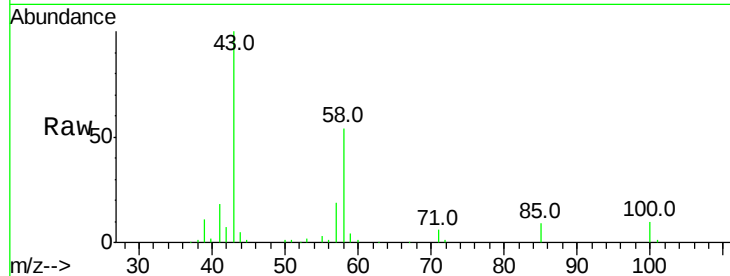
Ion Ratio Lower Upper

43 100

58 57.0 43.4 65.0

57 20.2 14.9 22.3

100 10.0 8.3 12.5

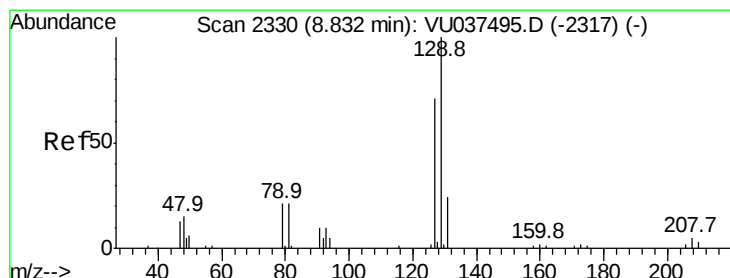
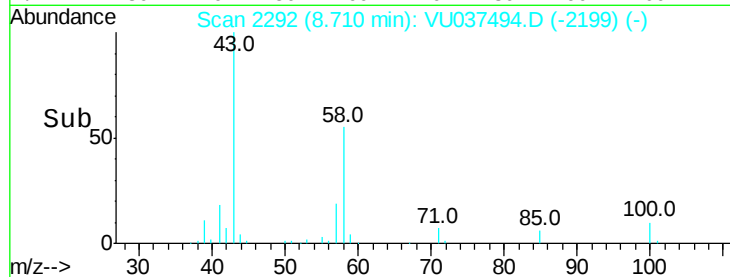
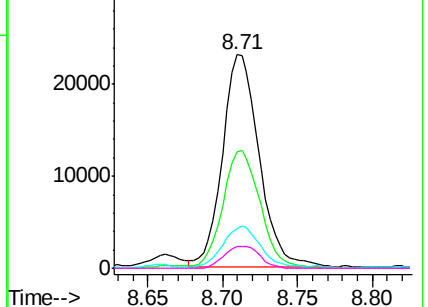


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 1.051 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037494.D

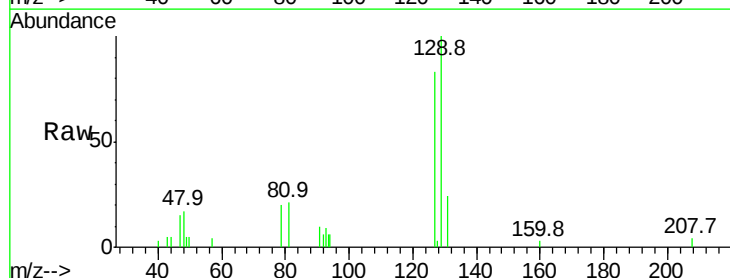
Acq: 31 Mar 2020 11:48

Tgt Ion: 129 Resp: 6373

Ion Ratio Lower Upper

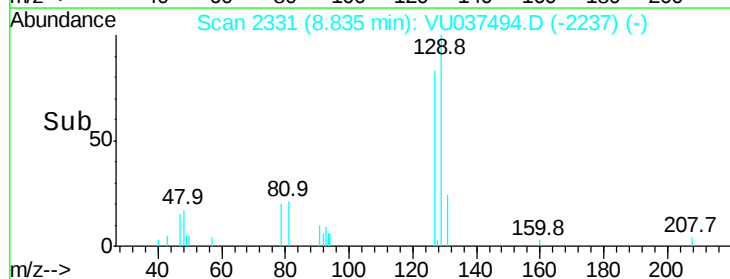
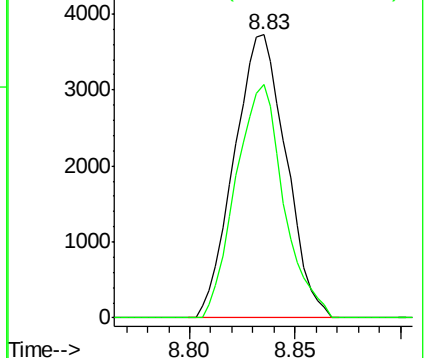
129 100

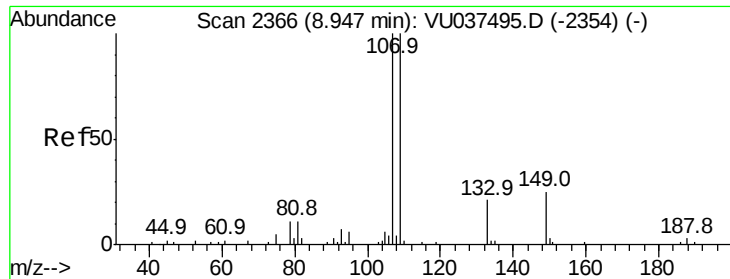
127 82.6 49.4 91.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

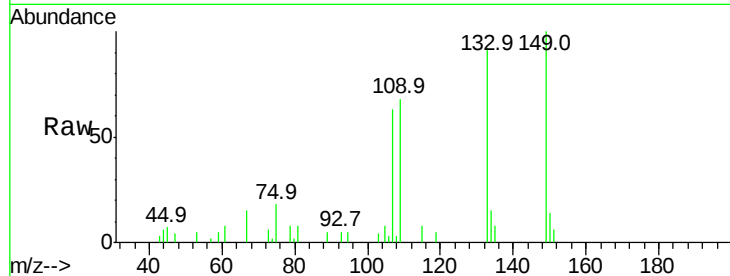




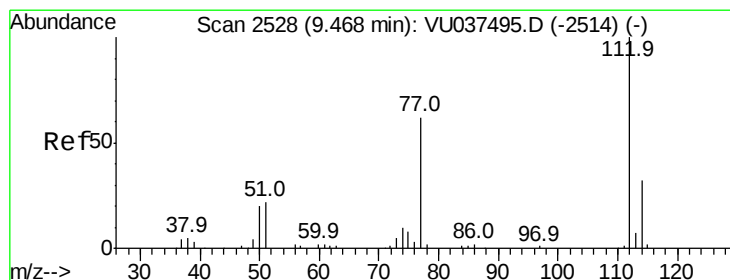
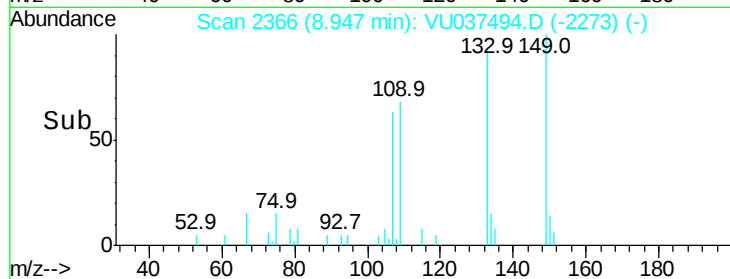
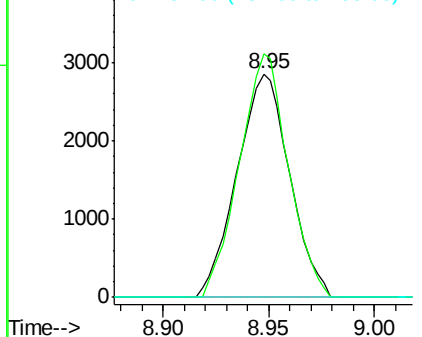
#50
 1,2-Dibromoethane
 Concen: 1.036 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:107 Resp: 4940
 Ion Ratio Lower Upper
 107 100
 109 108.9 70.1 130.3
 188 0.0 2.2 3.4#

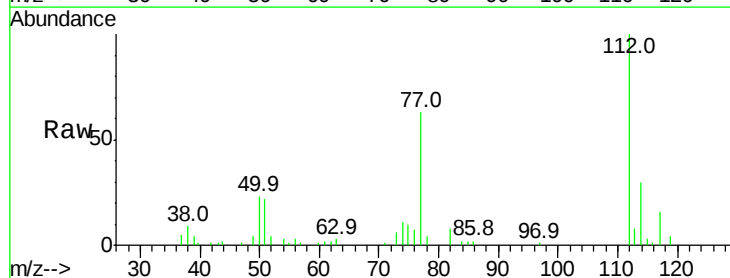


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

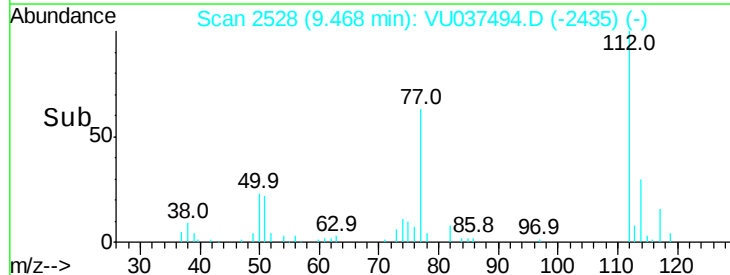
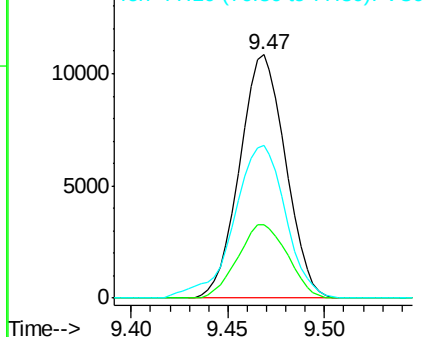


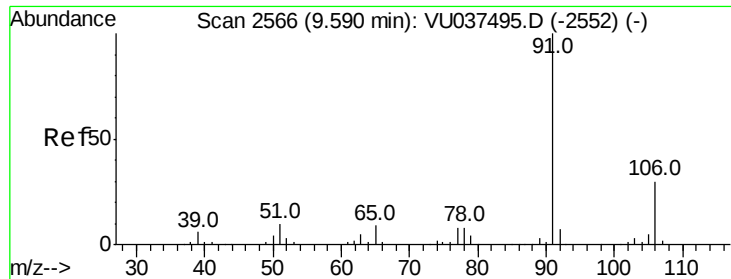
#51
 Chlorobenzene
 Concen: 0.947 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Tgt Ion:112 Resp: 17913
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.4 41.6
 77 62.5 50.4 75.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 1.075 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

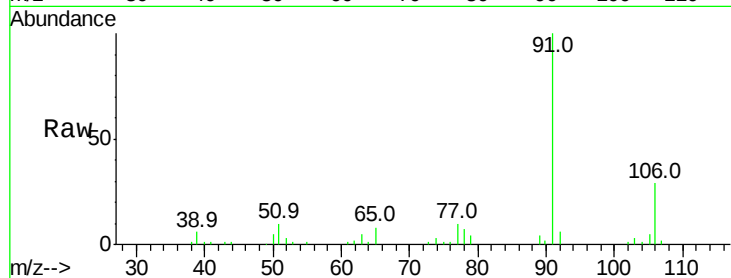
VSTD00104

Tgt Ion: 91 Resp: 33770

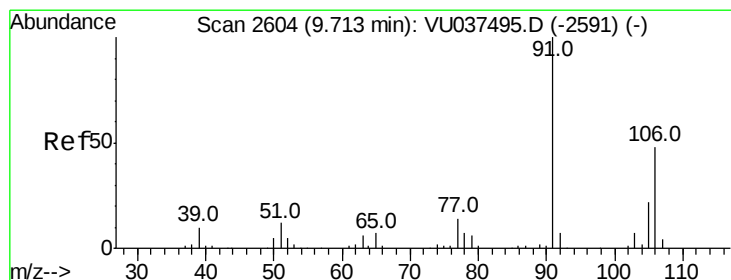
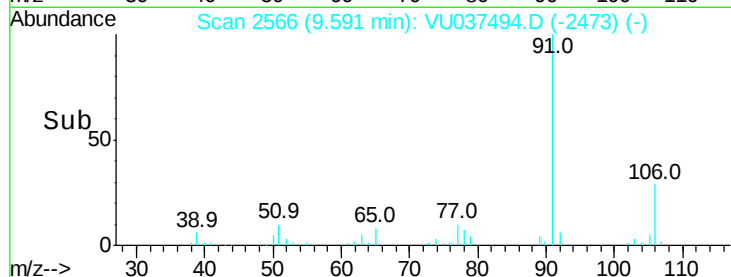
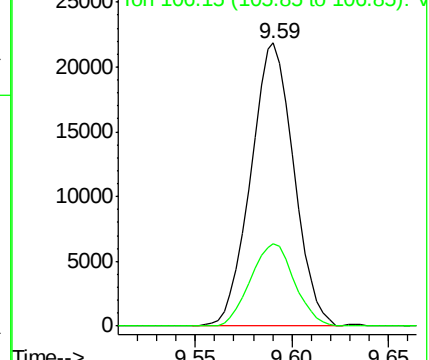
Ion Ratio Lower Upper

91 100

106 29.1 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037494.D (-2552) (-)



#53

m,p-Xylene

Concen: 1.014 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037494.D

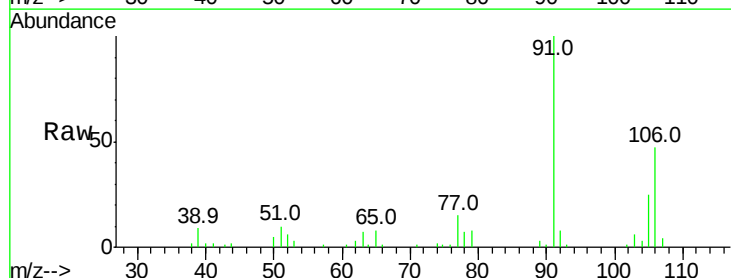
Acq: 31 Mar 2020 11:48

Tgt Ion: 106 Resp: 12035

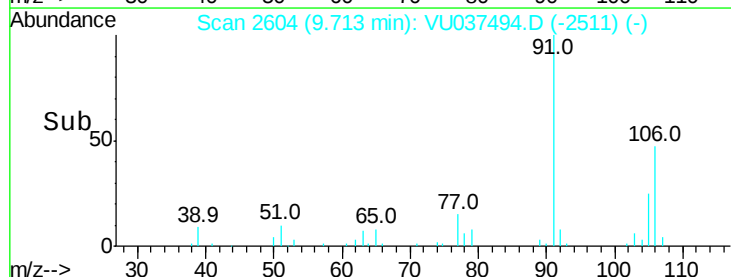
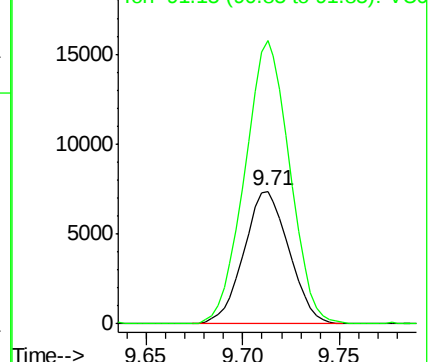
Ion Ratio Lower Upper

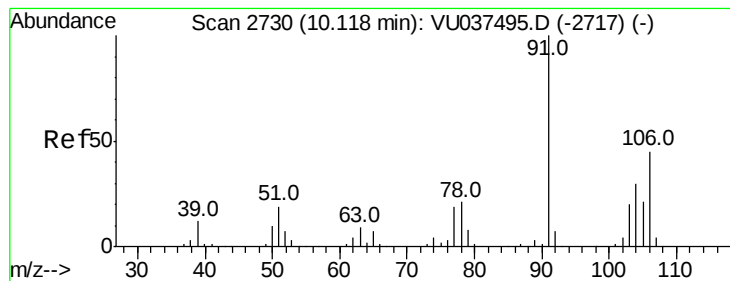
106 100

91 212.9 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VU037494.D (-2591) (-)





#54

o-Xylene

Concen: 1.048 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

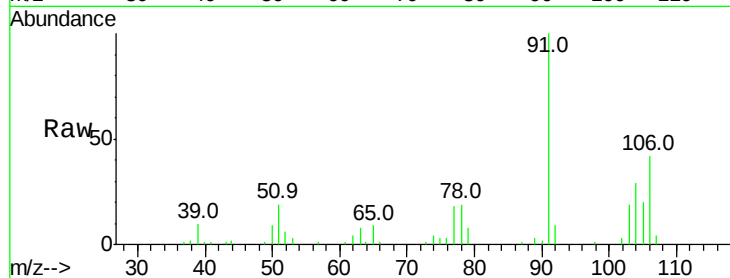
VSTD00104

Tgt Ion:106 Resp: 12143

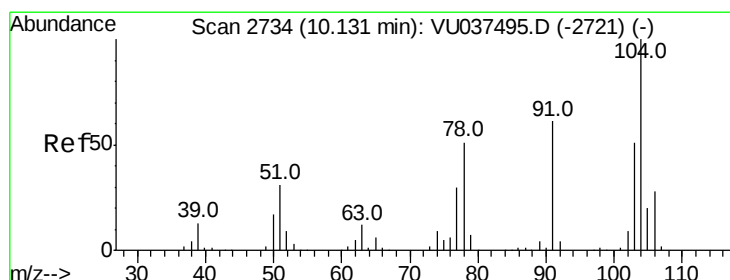
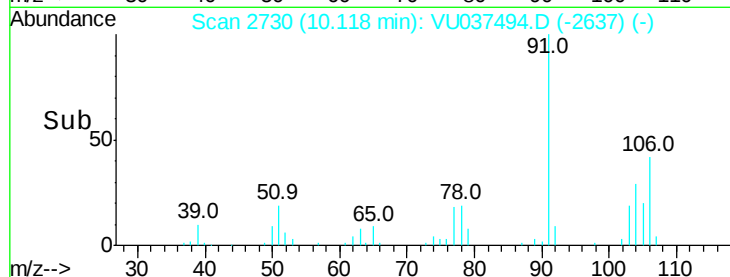
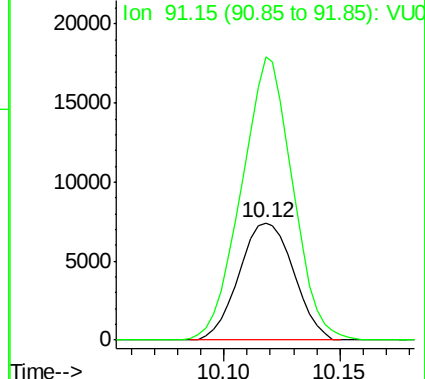
Ion Ratio Lower Upper

106 100

91 240.9 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 1.041 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037494.D

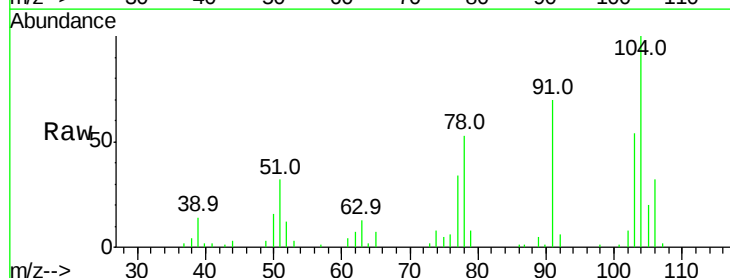
Acq: 31 Mar 2020 11:48

Tgt Ion:104 Resp: 20608

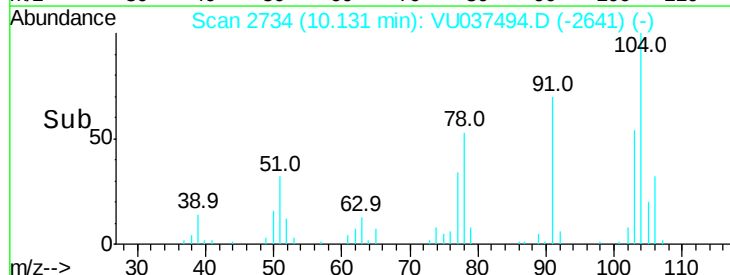
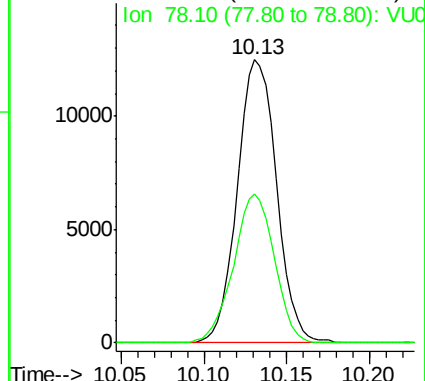
Ion Ratio Lower Upper

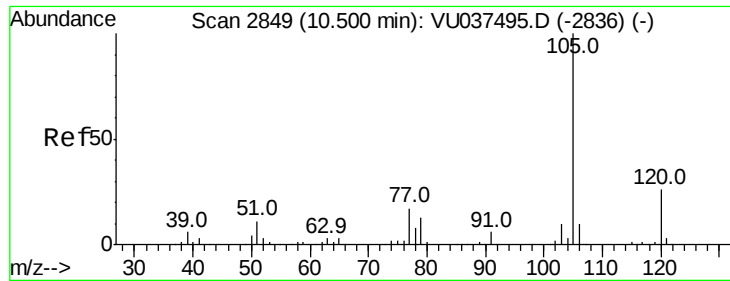
104 100

78 52.6 35.7 66.3



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 1.030 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampled :

VSTD00104

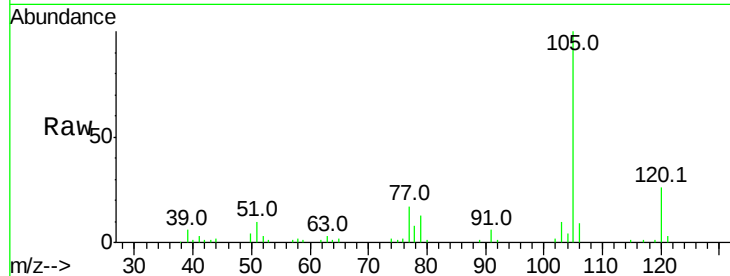
Tgt Ion:105 Resp: 31810

Ion Ratio Lower Upper

105 100

120 27.0 20.5 30.7

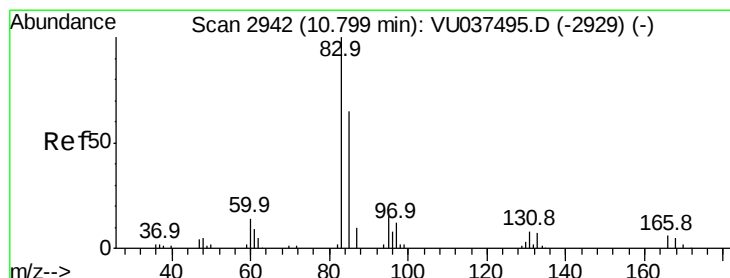
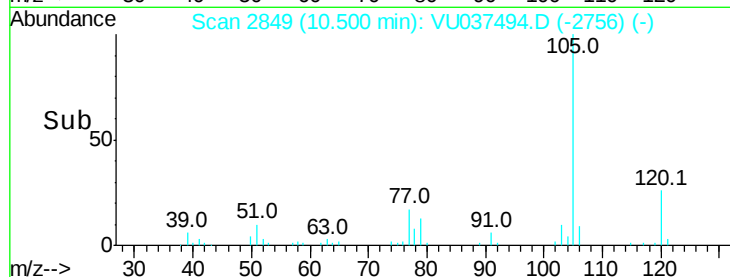
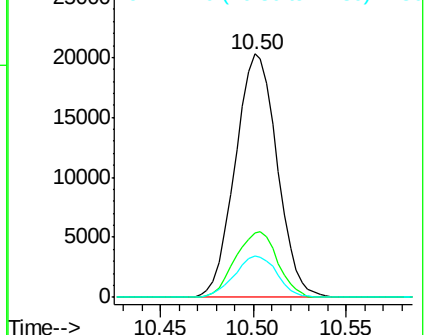
77 17.3 13.6 20.4



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: 1.148 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

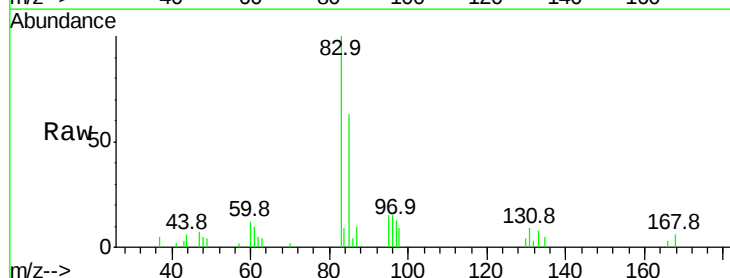
Tgt Ion: 83 Resp: 7198

Ion Ratio Lower Upper

83 100

85 63.3 45.9 85.3

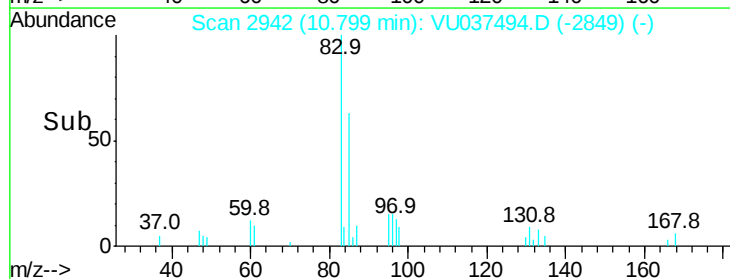
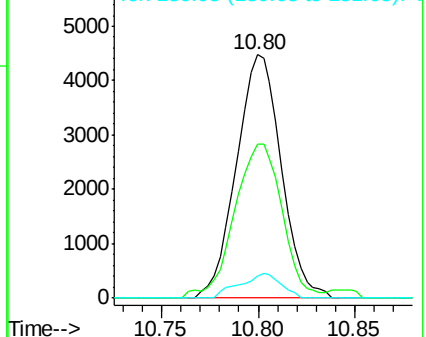
131 9.0 6.5 9.7

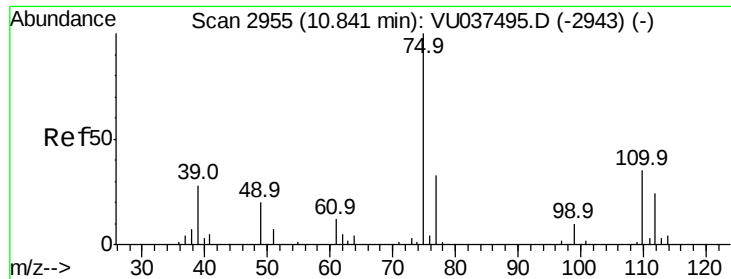


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

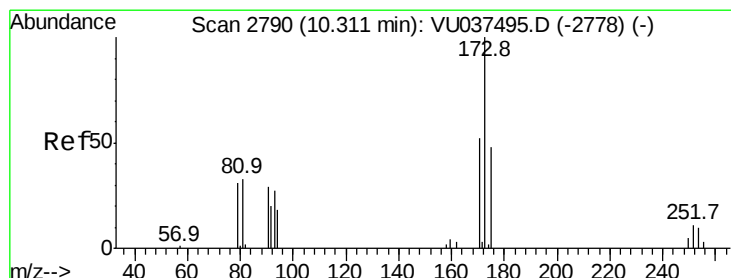
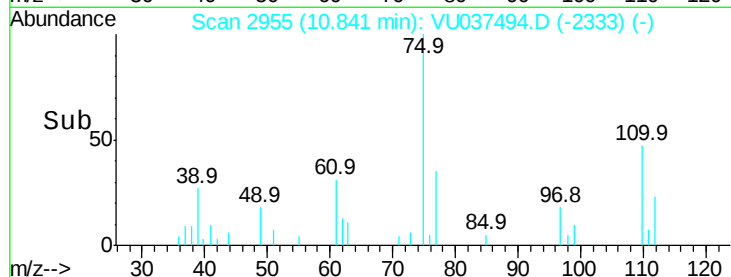
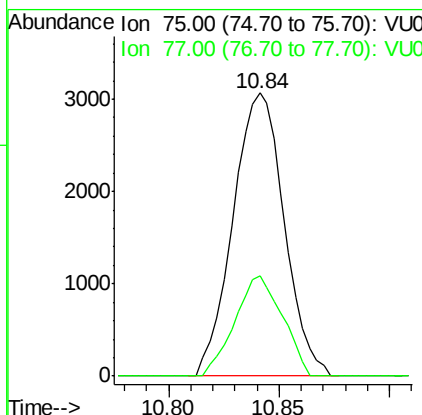
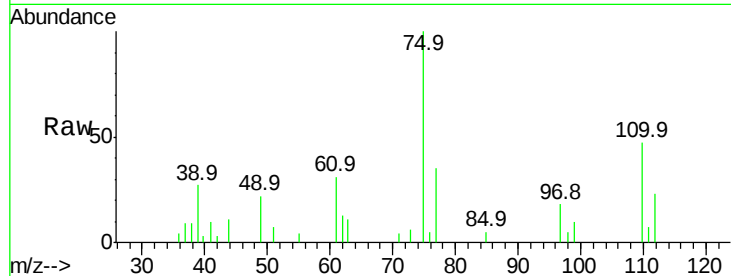




#59
 1,2,3-Trichloropropane
 Concen: 1.079 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

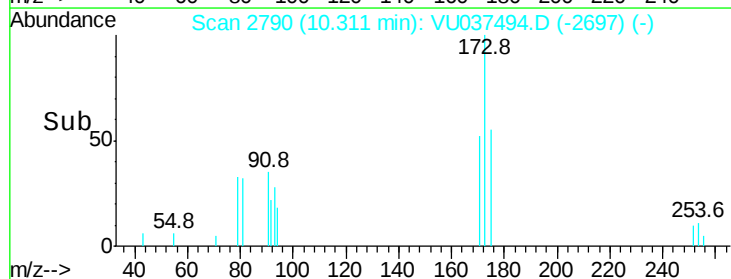
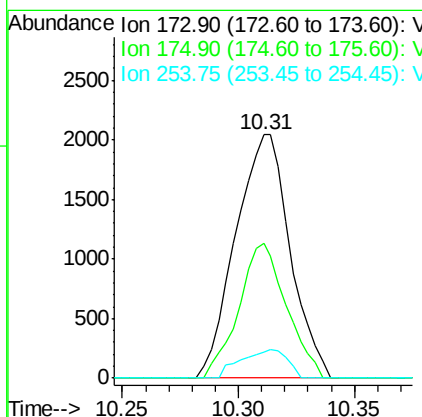
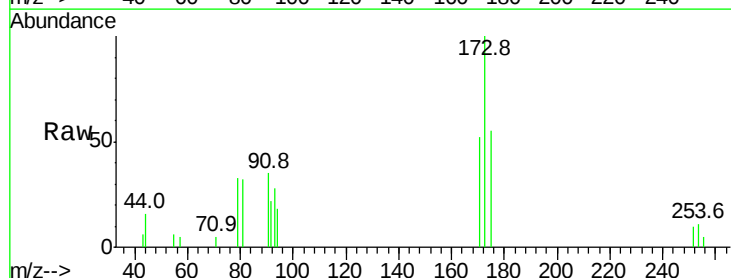
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

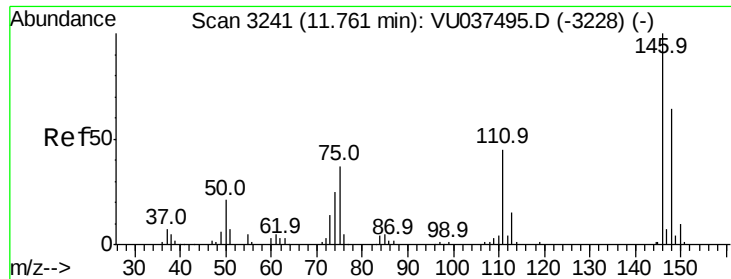
Tgt Ion: 75 Resp: 4928
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.2



#61
 Bromoform
 Concen: 1.002 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Tgt Ion: 173 Resp: 3327
 Ion Ratio Lower Upper
 173 100
 175 48.6 40.0 60.0
 254 10.0 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 1.109 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

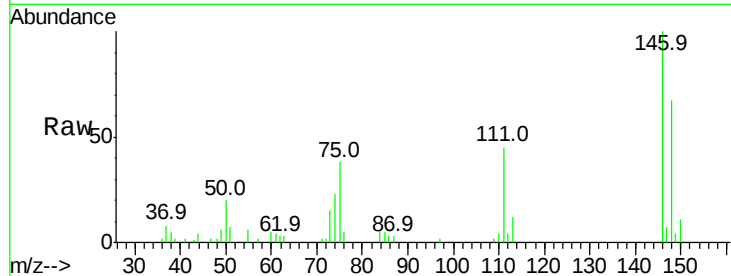
Tgt Ion:146 Resp: 14243

Ion Ratio Lower Upper

146 100

111 44.8 31.4 58.2

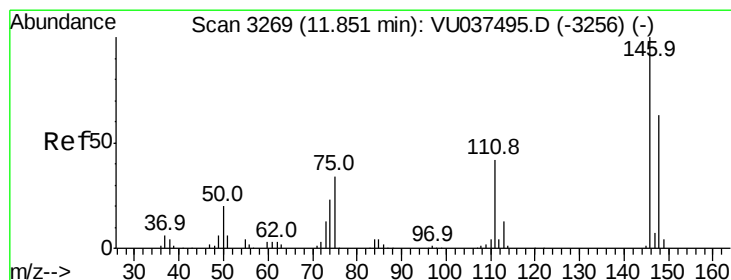
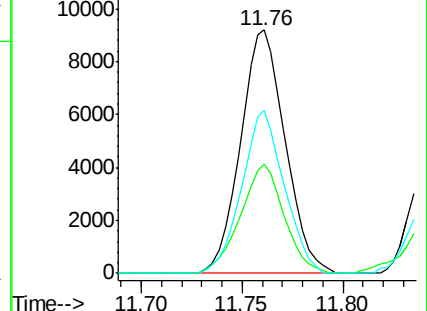
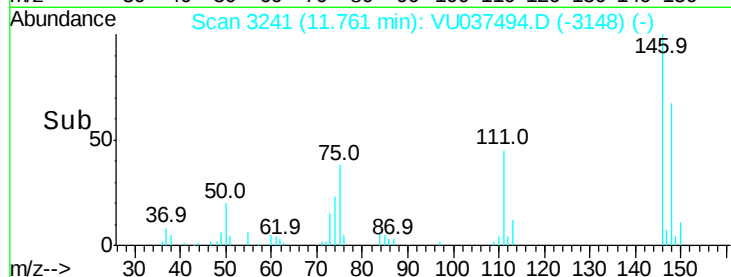
148 66.9 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.075 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

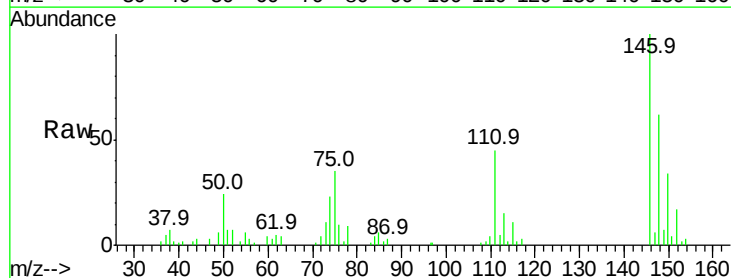
Tgt Ion:146 Resp: 14738

Ion Ratio Lower Upper

146 100

111 45.5 29.7 55.1

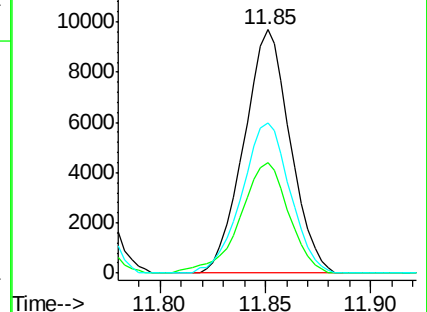
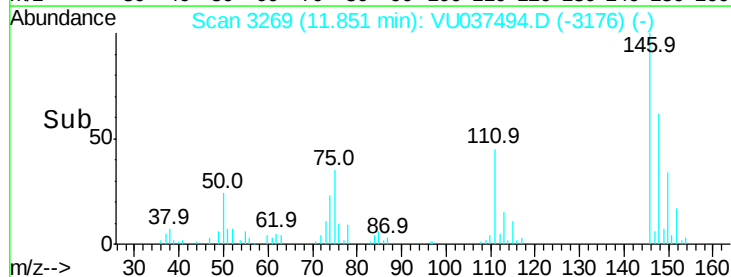
148 61.9 44.4 82.4

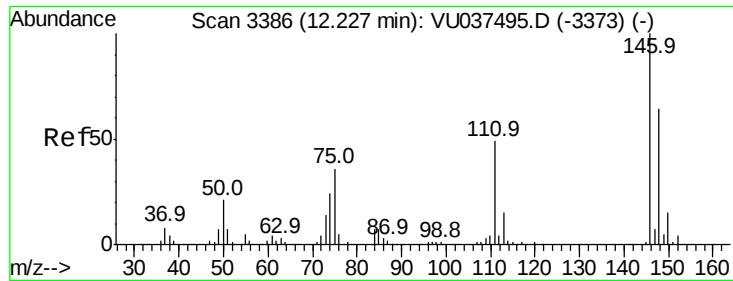


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.086 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

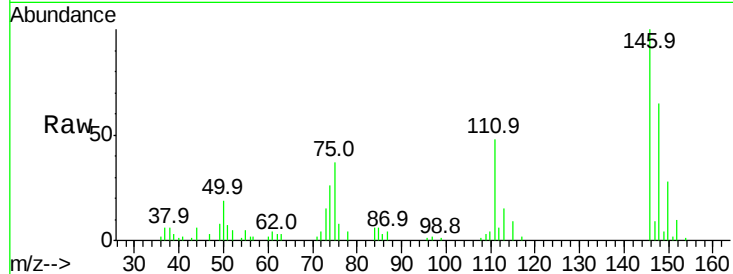
Tgt Ion:146 Resp: 13461

Ion Ratio Lower Upper

146 100

111 47.7 38.9 58.3

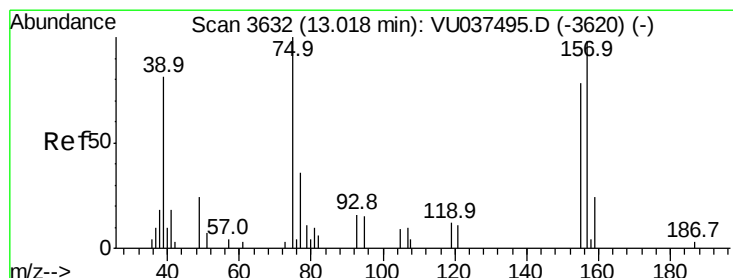
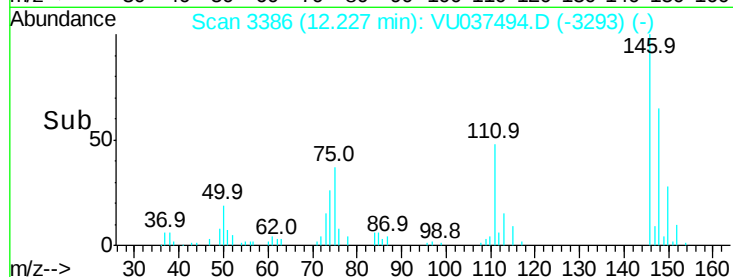
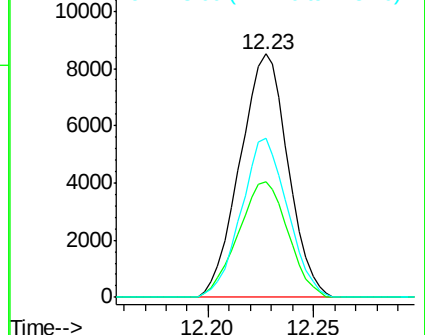
148 65.3 51.2 76.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.342 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU037494.D

Acq: 31 Mar 2020 11:48

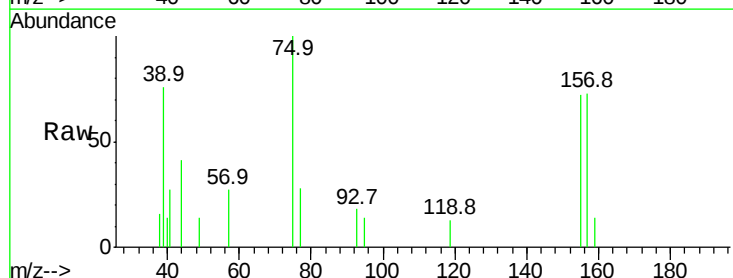
Tgt Ion: 75 Resp: 1464

Ion Ratio Lower Upper

75 100

155 72.3 62.4 93.6

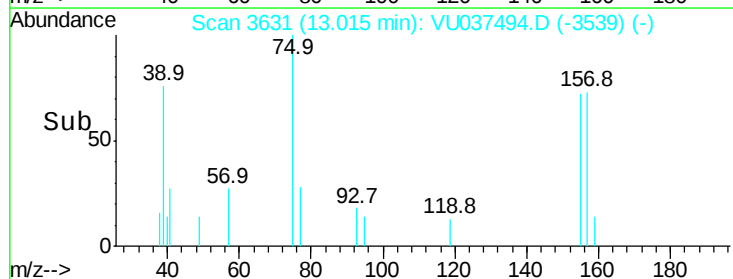
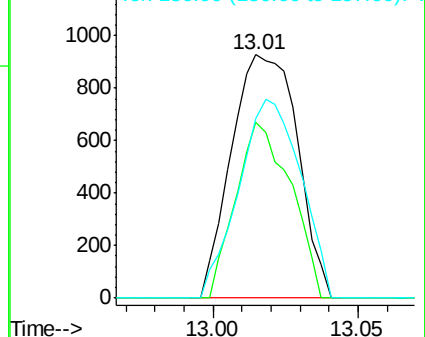
157 73.5 78.7 118.1#

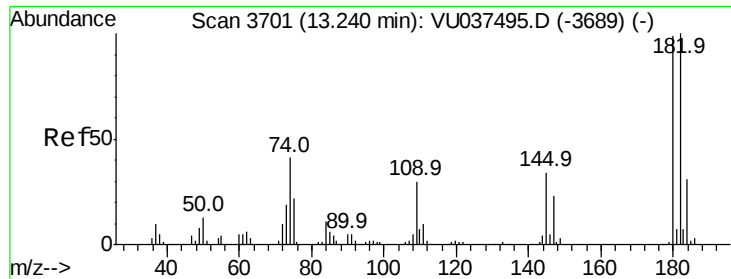


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

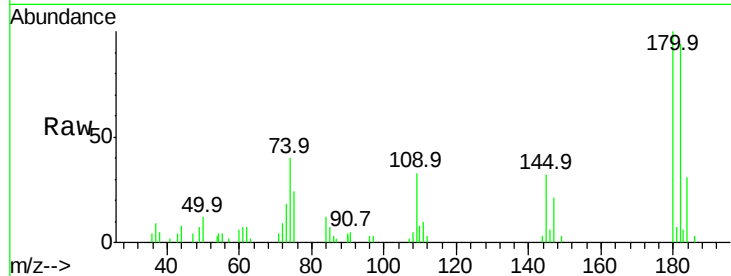




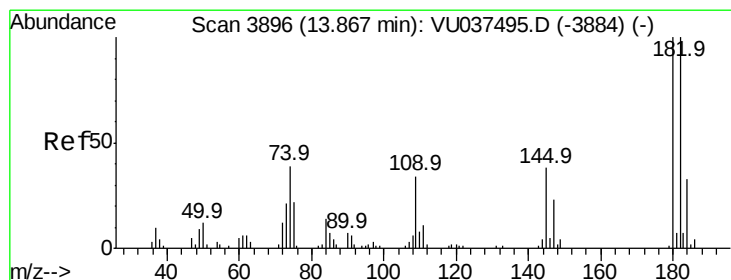
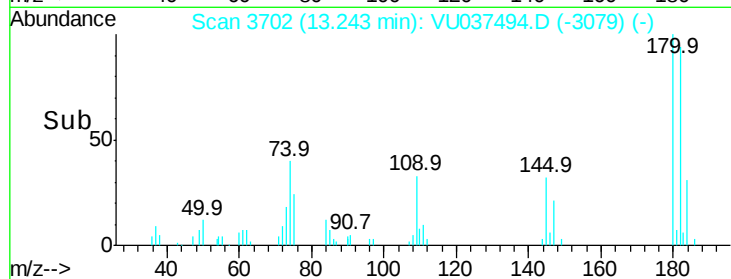
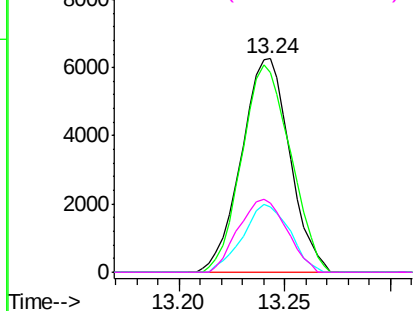
#67
 1,3,5-Trichlorobenzene
 Concen: 1.003 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:180 Resp: 9994
 Ion Ratio Lower Upper
 180 100
 182 97.4 77.3 115.9
 184 30.9 25.0 37.4
 145 34.1 27.0 40.6

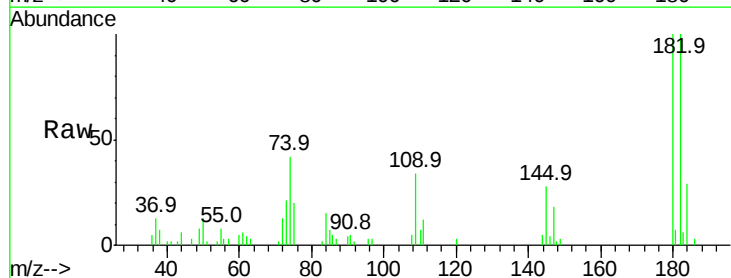


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

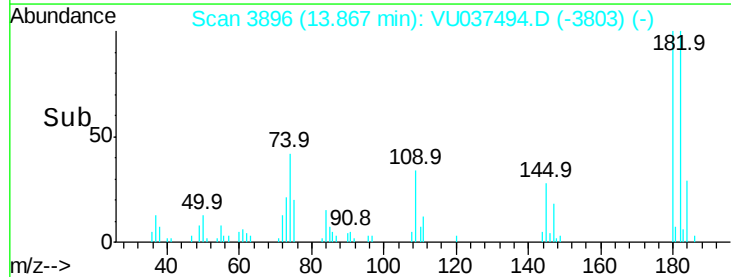
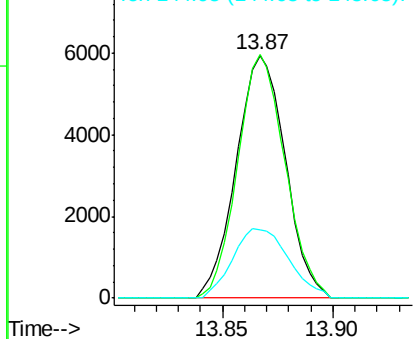


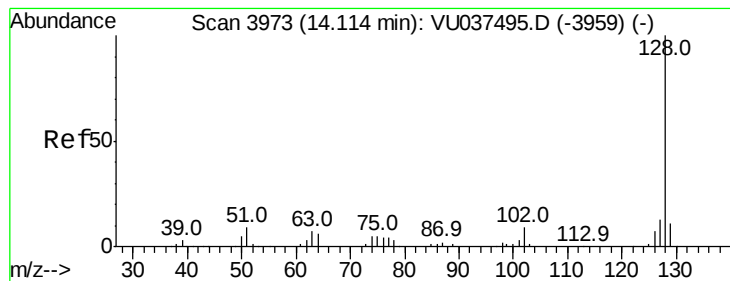
#68
 1,2,4-trichlorobenzene
 Concen: 0.961 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037494.D
 Acq: 31 Mar 2020 11:48

Tgt Ion:180 Resp: 9227
 Ion Ratio Lower Upper
 180 100
 182 96.5 80.4 120.6
 145 32.5 28.6 43.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

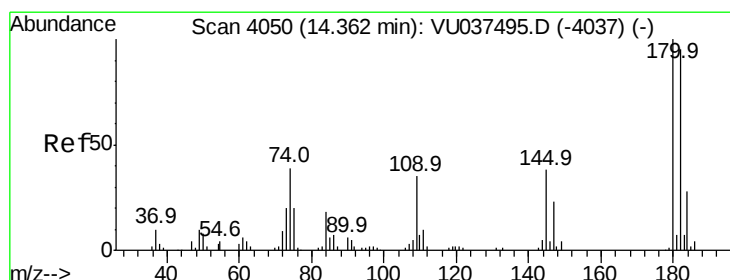
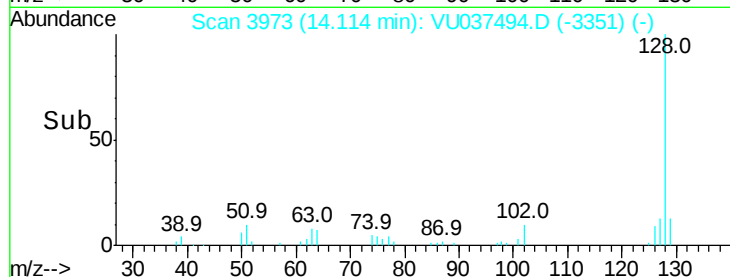
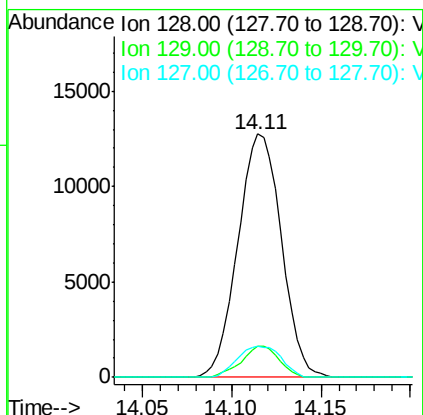
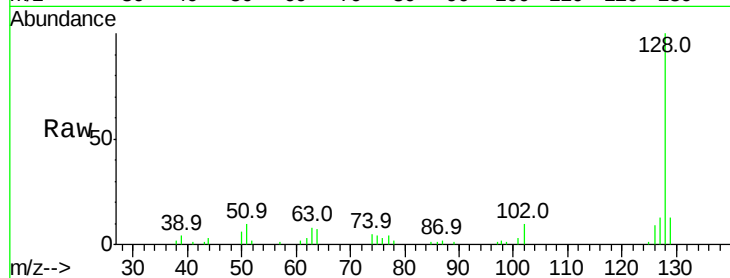




#69
Naphthalene
Concen: 1.161 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:128 Resp: 21648
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.9 10.2 15.2



#70
1,2,3-Trichlorobenzene
Concen: 0.949 ug/L
RT: 14.36 min Scan# 4050
Delta R.T. 0.00 min
Lab File: VU037494.D
Acq: 31 Mar 2020 11:48

Tgt Ion:180 Resp: 8191
Ion Ratio Lower Upper
180 100
182 99.4 74.7 112.1
145 39.3 30.0 45.0

