

Data File : VU037496.D
Acq On : 31 Mar 2020 12:37
Operator : JC/MD
Sample : VSTD010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Quant Time: Mar 31 13:21:58 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	90917	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	84223	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	42012	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	66605	9.93	ug/L	0.00
7) Chloroethane-d5	1.93	69	56195	11.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	128252	9.78	ug/L	0.00
20) 2-Butanone-d5	4.68	46	207448	113.41	ug/L	0.00
24) Chloroform-d	5.11	84	128357	9.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	70008	9.60	ug/L	0.00
32) Benzene-d6	5.76	84	250830	10.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	84612	10.51	ug/L	0.00
41) Toluene-d8	7.93	98	229613	9.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	36916	9.75	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	171119	113.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	69918	10.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	79009	9.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	65645	8.605 ug/L	99
3) Chloromethane	1.53	50	65592	9.700 ug/L	98
5) Vinyl chloride	1.62	62	71950	10.109 ug/L	96
6) Bromomethane	1.87	94	37547	9.361 ug/L	98
8) Chloroethane	1.95	64	40367	10.168 ug/L	98
9) Trichlorofluoromethane	2.16	101	98042	10.289 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	56839	9.790 ug/L	100
12) 1,1-Dichloroethene	2.60	96	56355	9.425 ug/L	87
13) Acetone	2.68	43	106822	101.632 ug/L	97
14) Carbon disulfide	2.82	76	190647	9.319 ug/L	98
15) Methyl Acetate	2.99	43	30190	10.281 ug/L	97
16) Methylene chloride	3.08	84	63679	9.530 ug/L	96
17) Methyl tert-butyl Ether	3.40	73	160585	9.869 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	59531	9.520 ug/L	97
19) 1,1-Dichloroethane	3.91	63	113721	9.731 ug/L	99
21) 2-Butanone	4.76	43	199141	111.449 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	66812	9.535 ug/L	94
23) Bromochloromethane	5.02	128	28236	9.122 ug/L	97
25) Chloroform	5.13	83	112207	9.127 ug/L	94
27) 1,2-Dichloroethane	5.83	62	76778	9.348 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	102837	9.714 ug/L	99
30) Cyclohexane	5.42	56	111073	10.239 ug/L	100
31) Carbon tetrachloride	5.56	117	84438	9.238 ug/L	100
33) Benzene	5.81	78	253089	10.147 ug/L	100
34) Trichloroethene	6.57	95	66070	9.301 ug/L	95
35) Methylcyclohexane	6.79	83	108669	9.666 ug/L	98
37) 1,2-Dichloropropane	6.82	63	68271	10.589 ug/L	99
38) Bromodichloromethane	7.14	83	87041	9.871 ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	105537	10.037 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	492692	114.775 ug/L	100

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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)
42) Toluene	8.00	91	266991	9.933	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	93410	9.938	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	48074	9.970	ug/L	97
47) Tetrachloroethene	8.58	164	42788	8.744	ug/L	98
48) 2-Hexanone	8.71	43	357575	115.565	ug/L	99
49) Dibromochloromethane	8.84	129	57870	9.724	ug/L	89
50) 1,2-Dibromoethane	8.95	107	47426	10.132	ug/L	93
51) Chlorobenzene	9.47	112	166264	8.954	ug/L	100
52) Ethylbenzene	9.59	91	304421	9.869	ug/L	100
53) m,p-Xylene	9.71	106	115052	9.871	ug/L	100
54) o-Xylene	10.12	106	110166	9.684	ug/L	97
55) Styrene	10.13	104	189692	9.759	ug/L	98
56) Isopropylbenzene	10.50	105	296779	9.792	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	64729	10.515	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	46845	10.445	ug/L	100
61) Bromoform	10.31	173	32750	9.379	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	128492	9.511	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	126982	8.803	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	121378	9.307	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	13159	11.467	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	90581	8.647	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	86191	8.534	ug/L	96
69) Naphthalene	14.11	128	198178	10.108	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	78822	8.678	ug/L	99

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

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Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

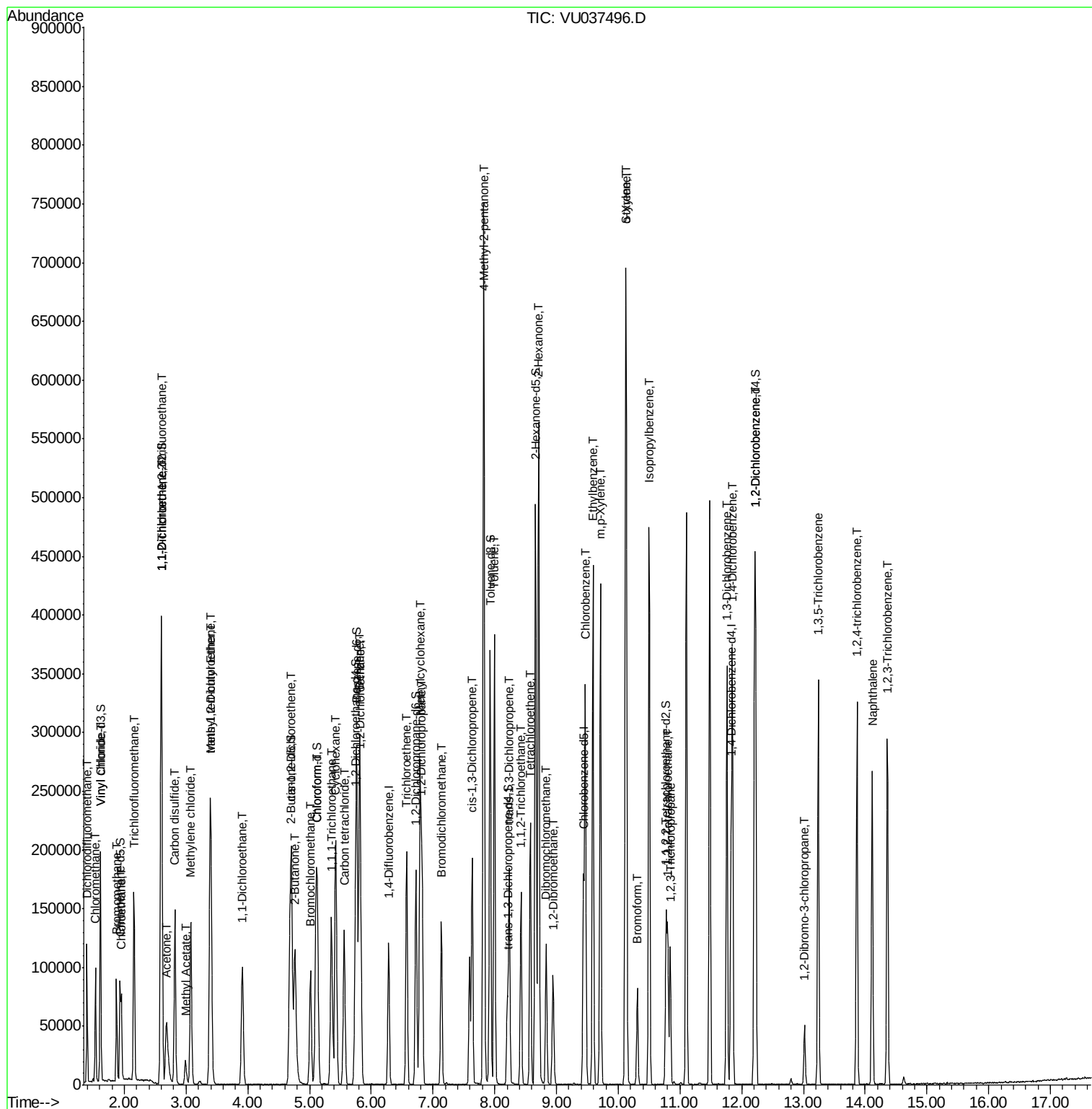
Quant Time: Mar 31 13:21:58 2020

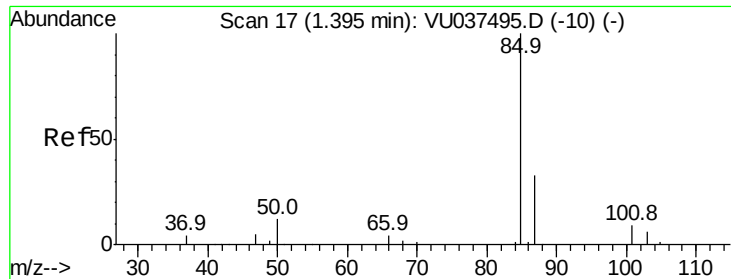
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR033120WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 8.605 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

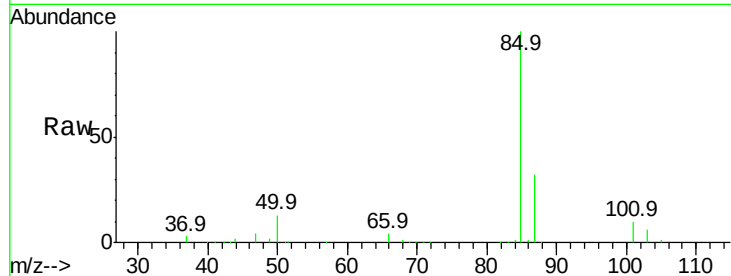
VSTD01006

Tgt Ion: 85 Resp: 65645

Ion Ratio Lower Upper

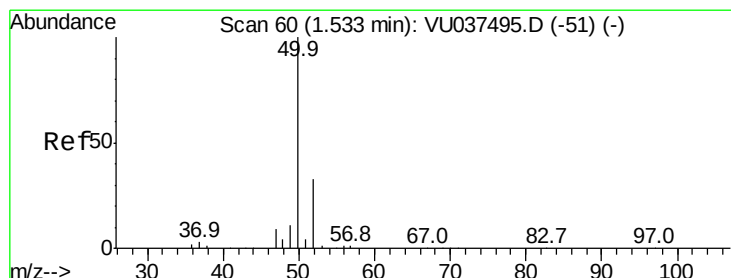
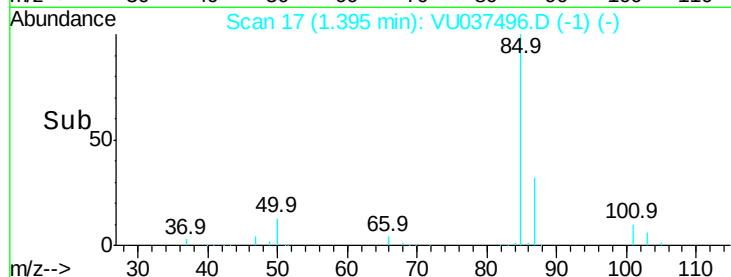
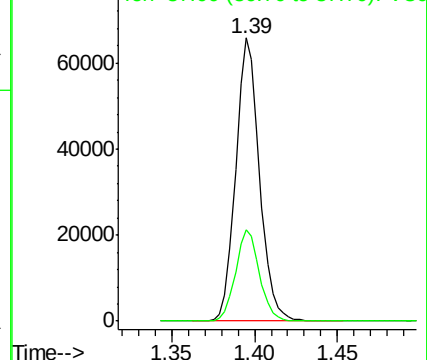
85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 9.700 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037496.D

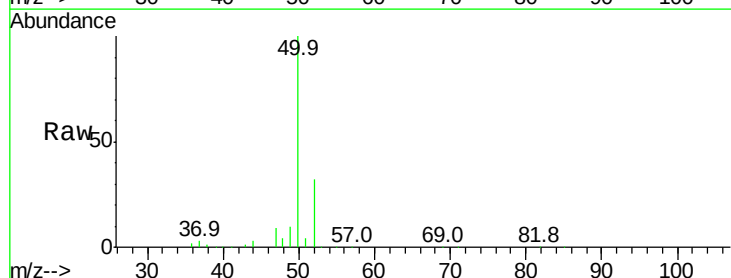
Acq: 31 Mar 2020 12:37

Tgt Ion: 50 Resp: 65592

Ion Ratio Lower Upper

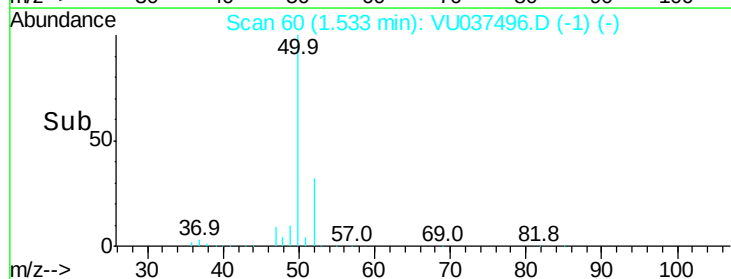
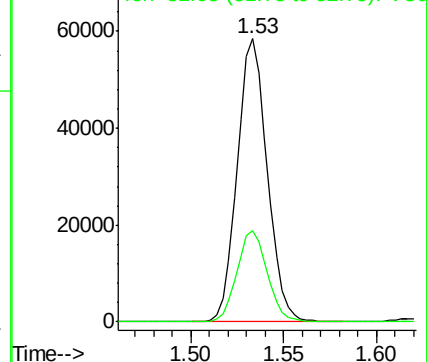
50 100

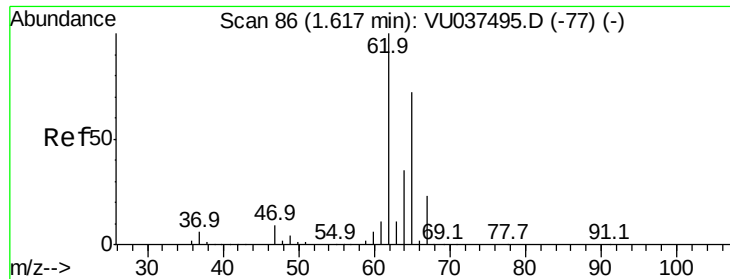
52 32.3 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 10.109 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

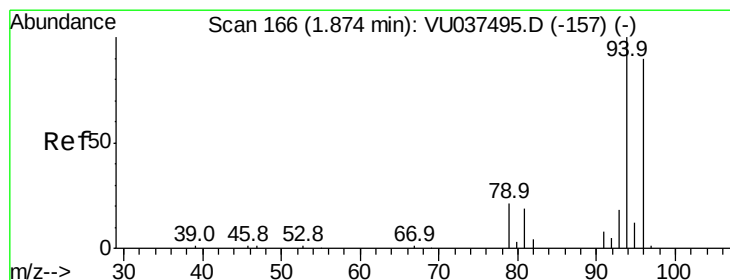
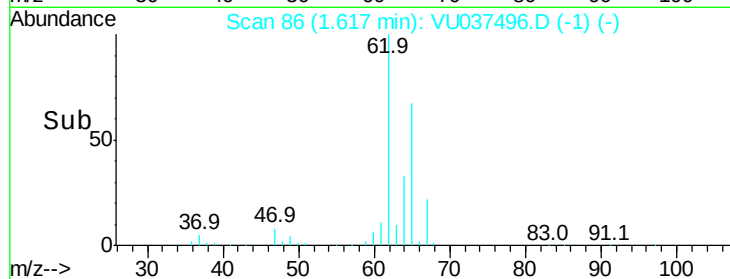
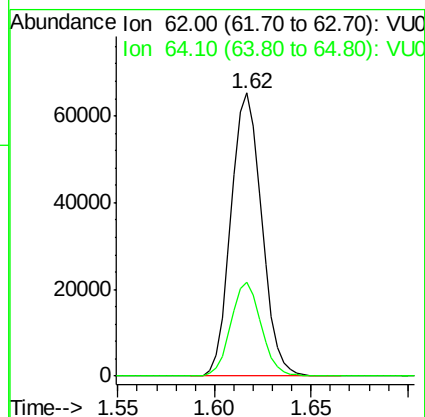
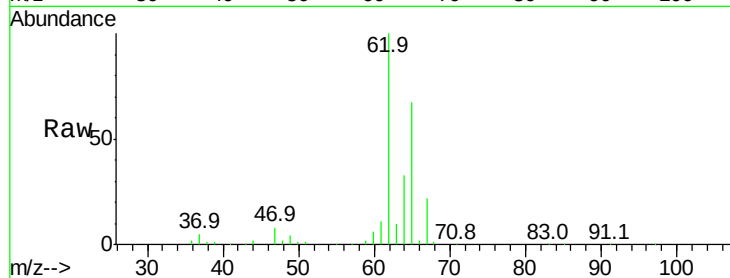
VSTD01006

Tgt Ion: 62 Resp: 71950

Ion Ratio Lower Upper

62 100

64 33.3 24.8 46.0



#6

Bromomethane

Concen: 9.361 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037496.D

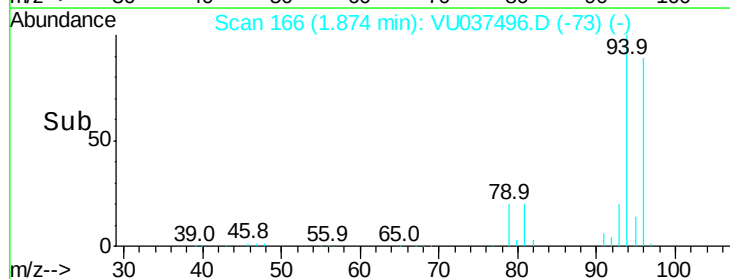
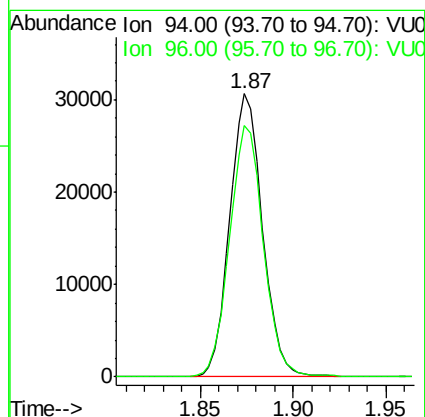
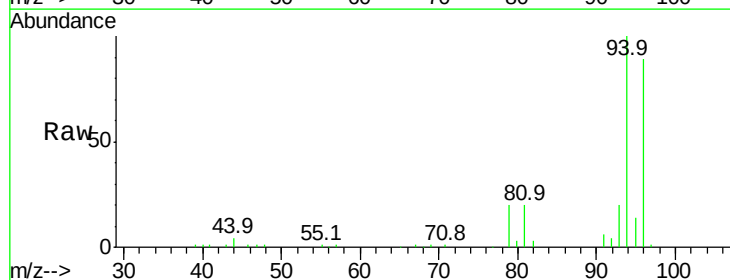
Acq: 31 Mar 2020 12:37

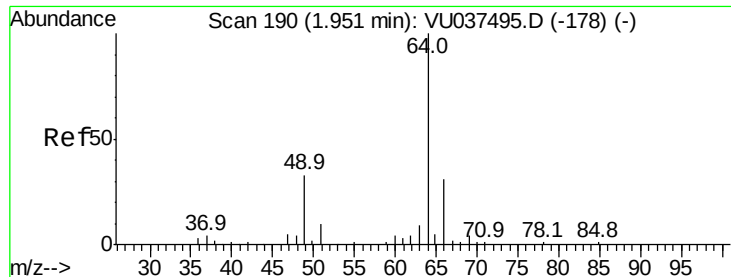
Tgt Ion: 94 Resp: 37547

Ion Ratio Lower Upper

94 100

96 88.6 63.2 117.4





#8

Chloroethane

Concen: 10.168 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

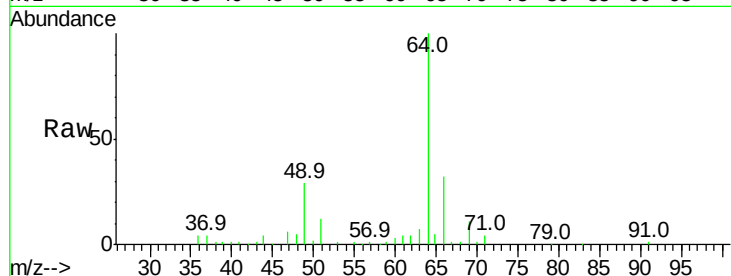
VSTD01006

Tgt Ion: 64 Resp: 40367

Ion Ratio Lower Upper

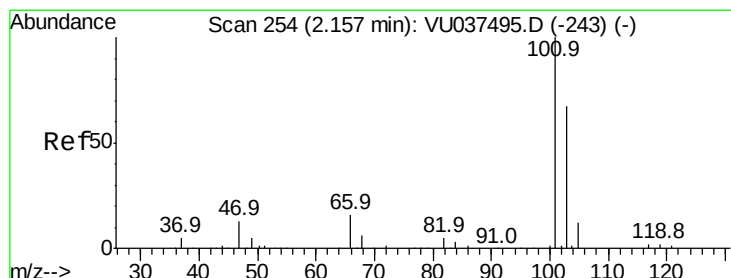
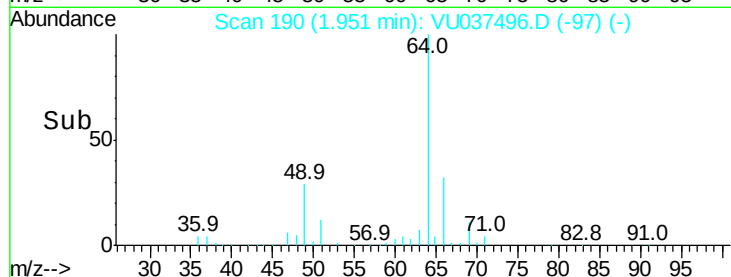
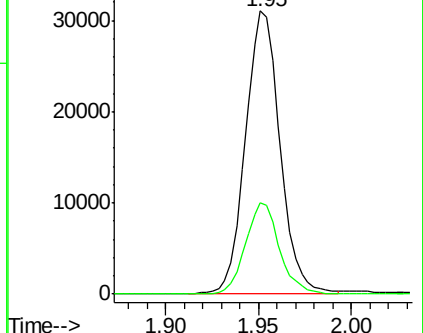
64 100

66 32.1 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: 10.289 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037496.D

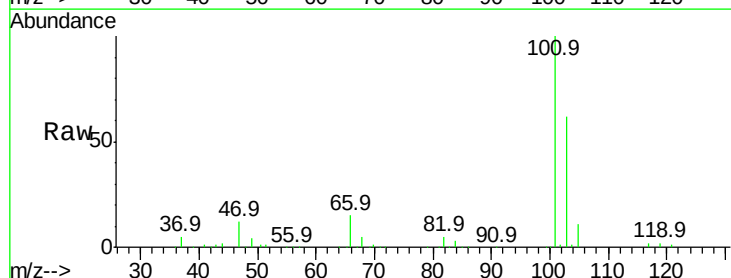
Acq: 31 Mar 2020 12:37

Tgt Ion: 101 Resp: 98042

Ion Ratio Lower Upper

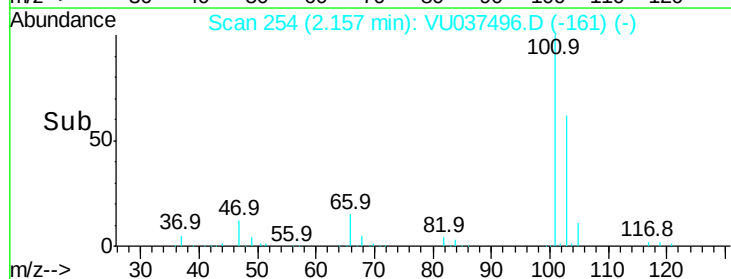
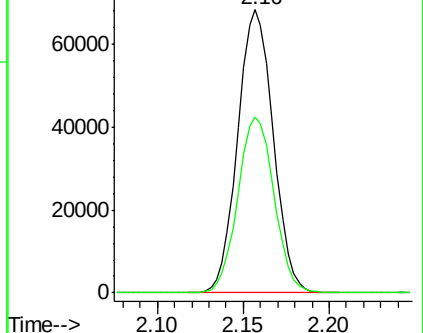
101 100

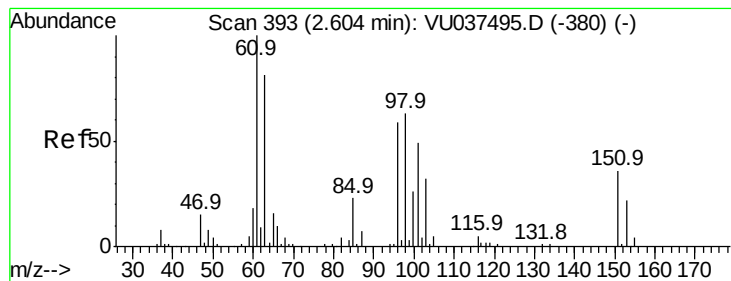
103 63.1 52.3 78.5



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: 9.790 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

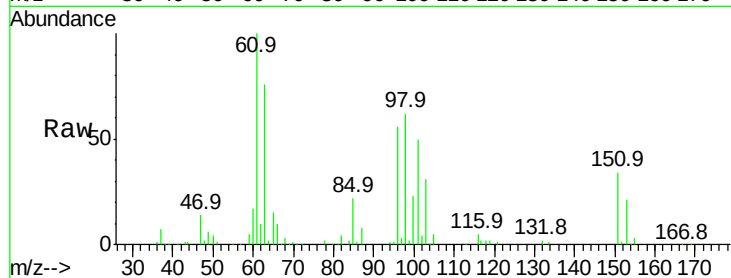
Tgt Ion:101 Resp: 56839

Ion Ratio Lower Upper

101 100

85 45.5 36.6 54.8

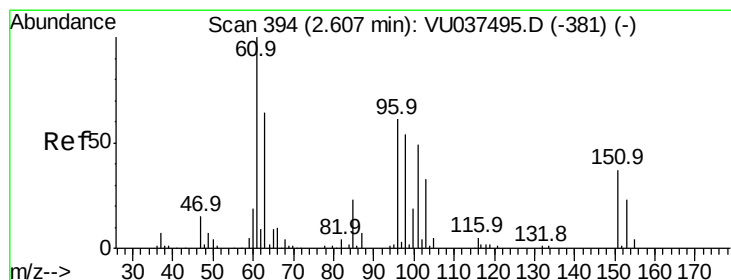
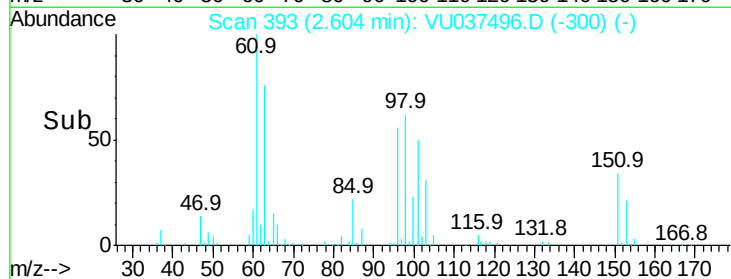
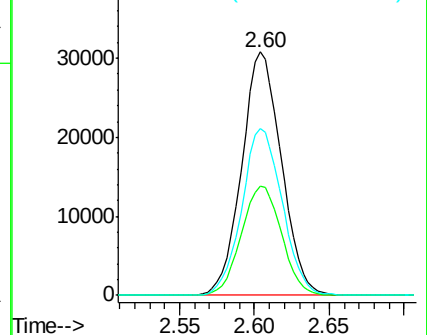
151 69.9 55.9 83.9



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: 9.425 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

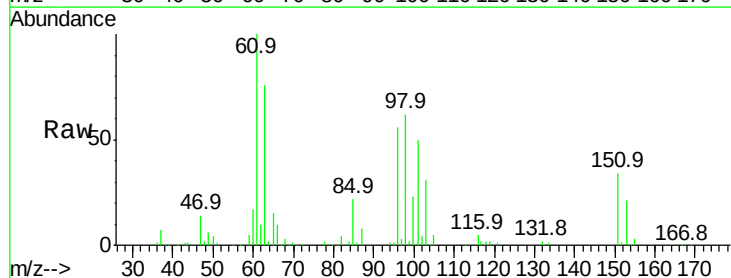
Tgt Ion: 96 Resp: 56355

Ion Ratio Lower Upper

96 100

61 177.1 116.2 215.8

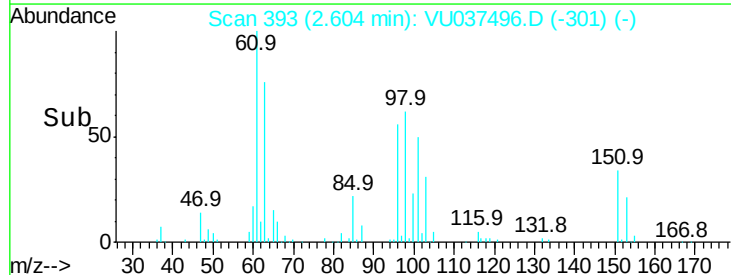
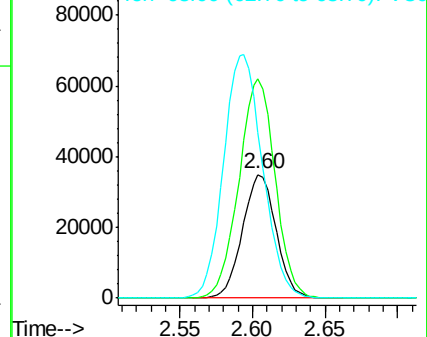
63 134.1 79.2 147.0

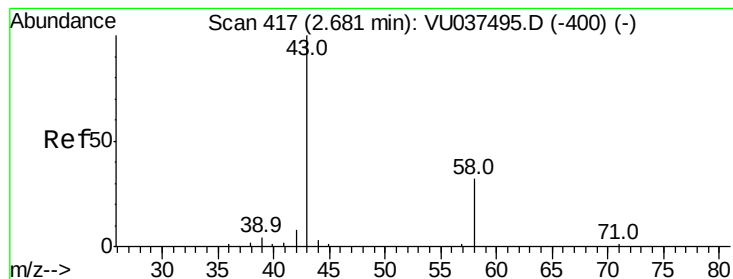


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 101.632 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU037496.D

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Instrument :

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ClientSampleId :

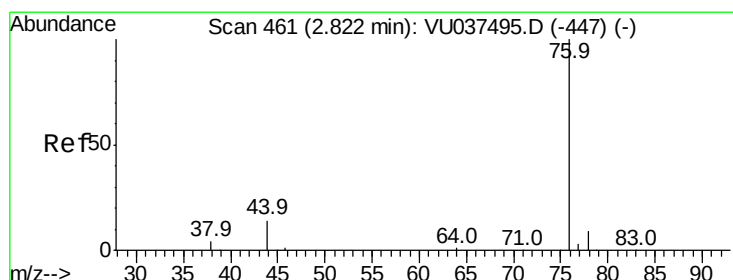
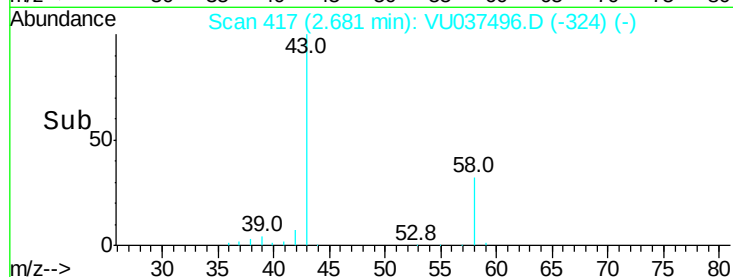
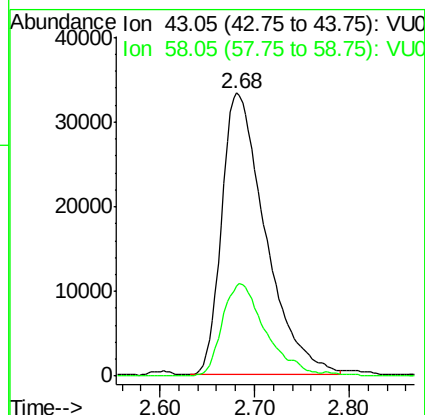
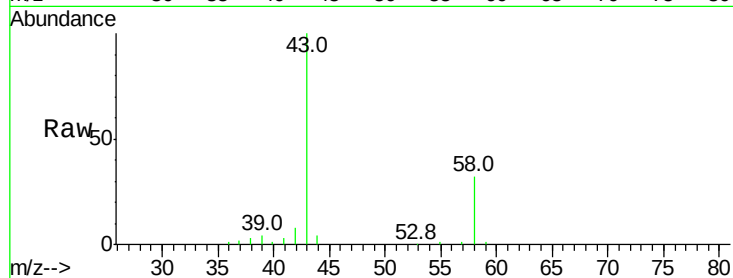
VSTD01006

Tgt Ion: 43 Resp: 106822

Ion Ratio Lower Upper

43 100

58 32.6 0.0 68.2



#14

Carbon disulfide

Concen: 9.319 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037496.D

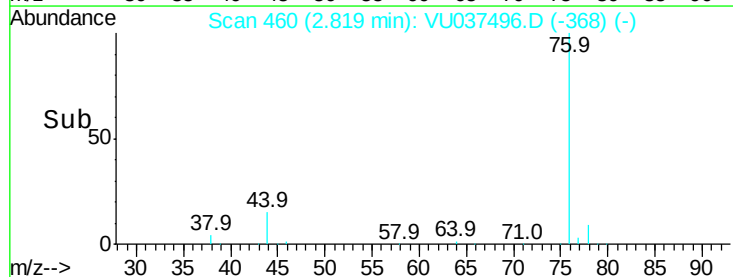
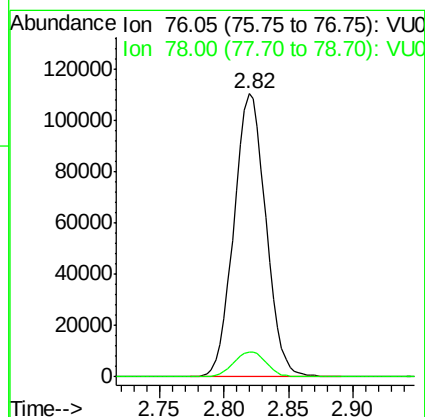
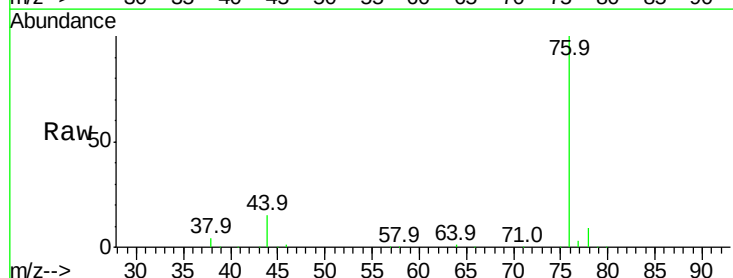
Acq: 31 Mar 2020 12:37

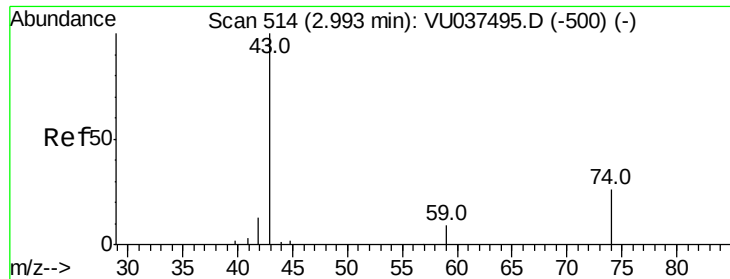
Tgt Ion: 76 Resp: 190647

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3





#15

Methyl Acetate

Concen: 10.281 ug/L

RT: 2.99 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

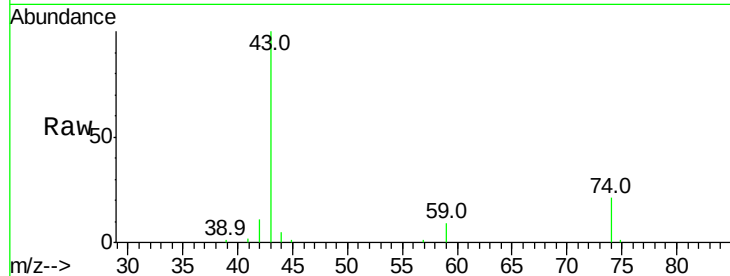
VSTD01006

Tgt Ion: 43 Resp: 30190

Ion Ratio Lower Upper

43 100

74 21.0 17.9 26.9



Abundance Ion 43.05 (42.75 to 43.75): VU037496.D (-421) (-)

Ion 74.05 (73.75 to 74.75): VU037496.D (-421) (-)

2.99

15000

10000

5000

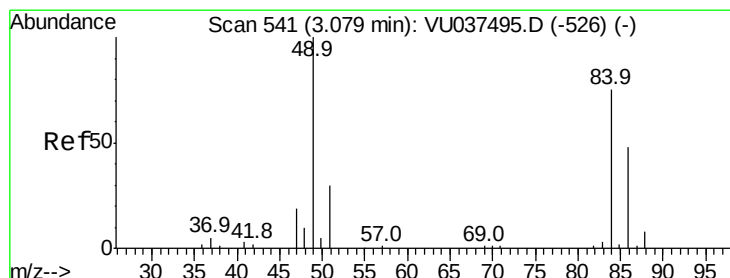
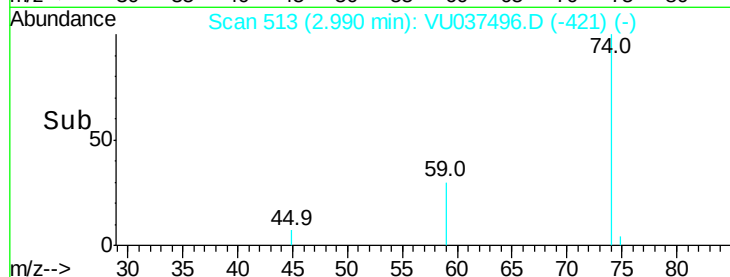
0

2.90

3.00

3.10

Time-->



#16

Methylene chloride

Concen: 9.530 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

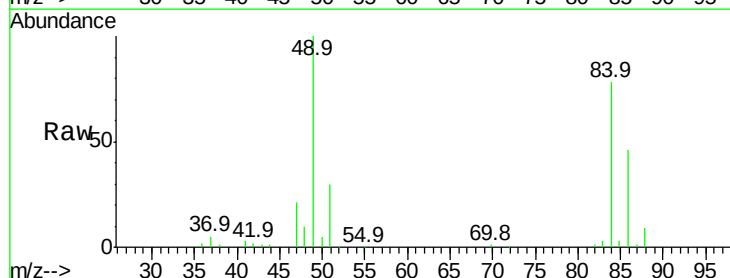
Tgt Ion: 84 Resp: 63679

Ion Ratio Lower Upper

84 100

86 59.8 44.7 82.9

49 128.8 92.7 172.3



Abundance Ion 84.05 (83.75 to 84.75): VU037496.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU037496.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU037496.D (-448) (-)

3.08

60000

50000

40000

30000

20000

10000

0

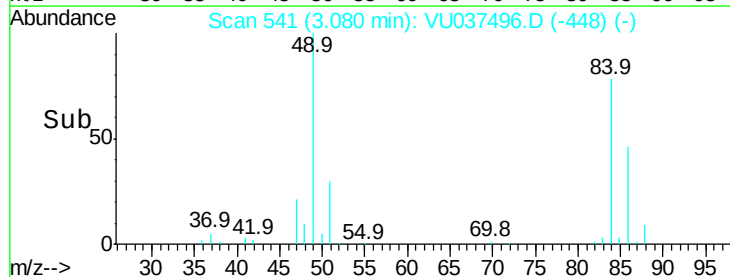
3.00

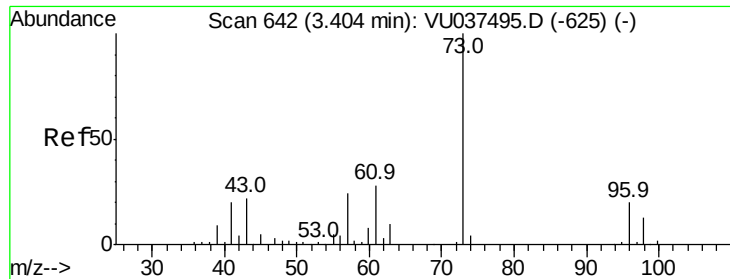
3.05

3.10

3.15

Time-->





#17

Methyl tert-butyl Ether

Concen: 9.869 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

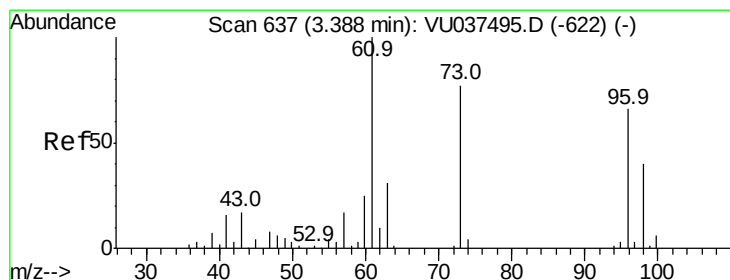
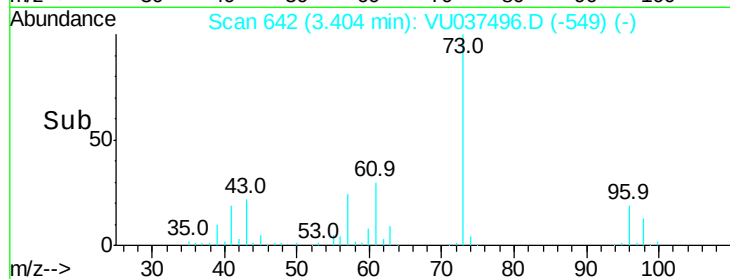
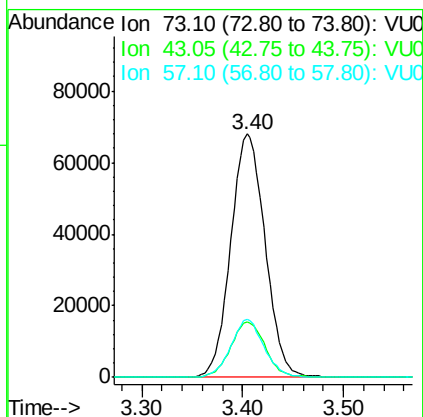
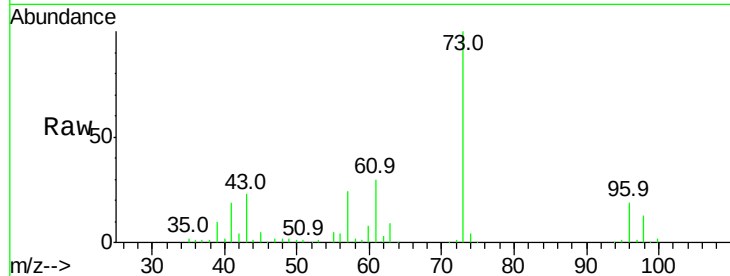
Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion: 73 Resp: 160585

Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.4	26.2
57	23.2	19.3	28.9



#18

trans-1,2-Dichloroethene

Concen: 9.520 ug/L

RT: 3.39 min Scan# 637

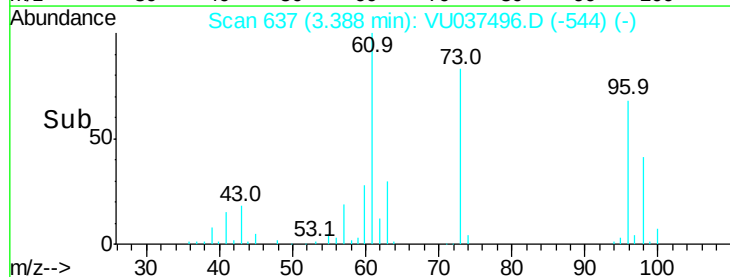
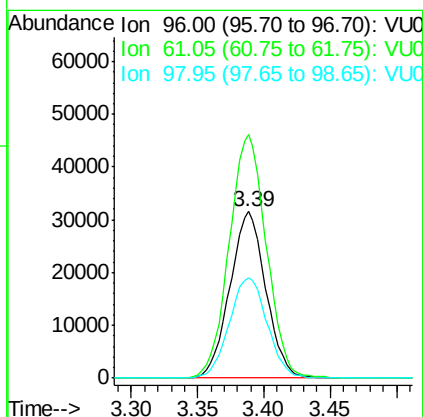
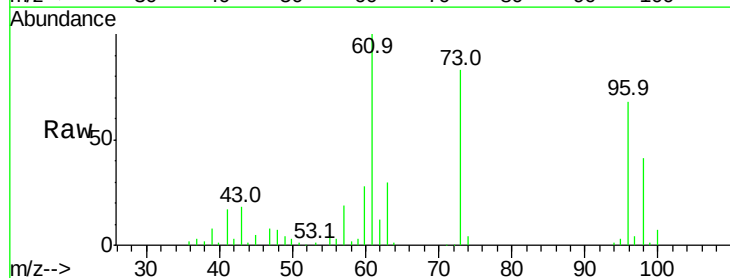
Delta R.T. 0.00 min

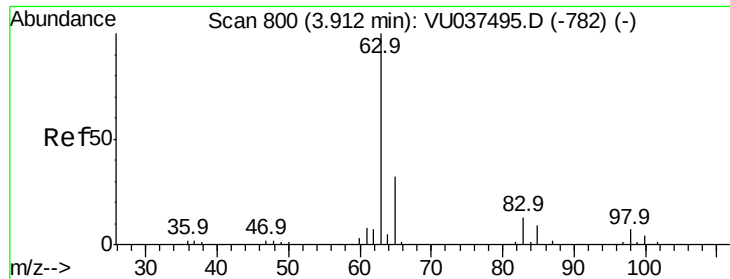
Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Tgt Ion: 96 Resp: 59531

Ion	Ratio	Lower	Upper
96	100		
61	146.1	105.3	195.6
98	60.3	42.3	78.5

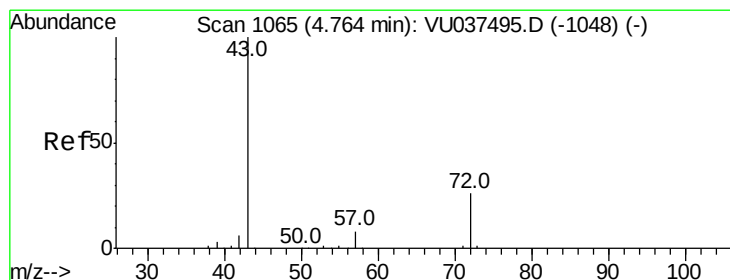
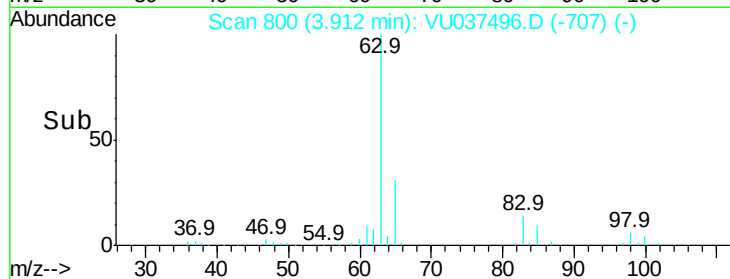
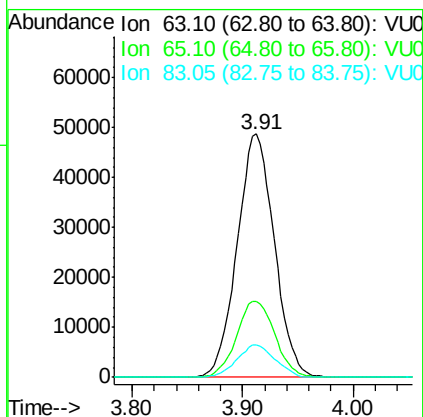
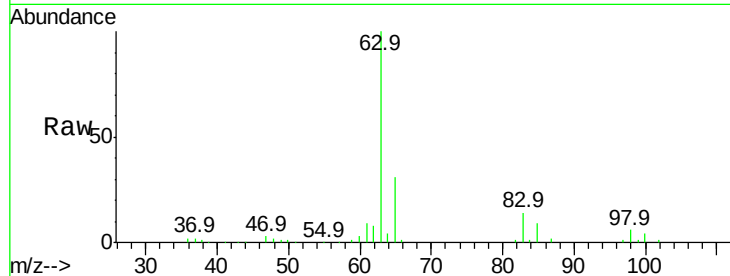




#19
 1,1-Dichloroethane
 Concen: 9.731 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

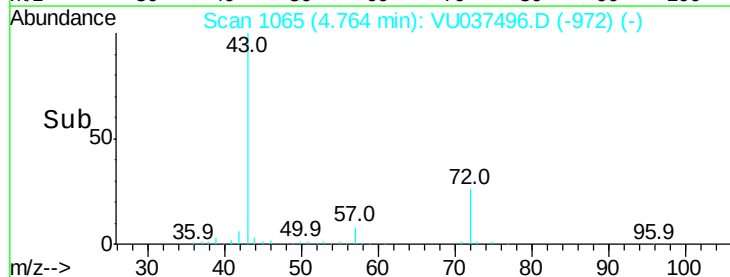
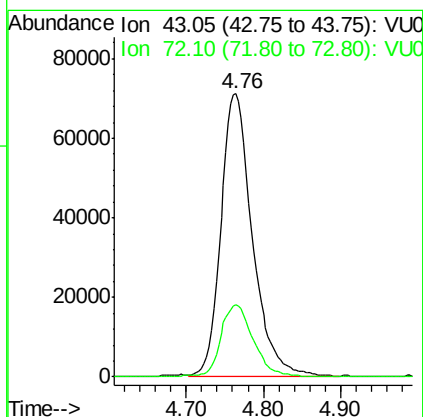
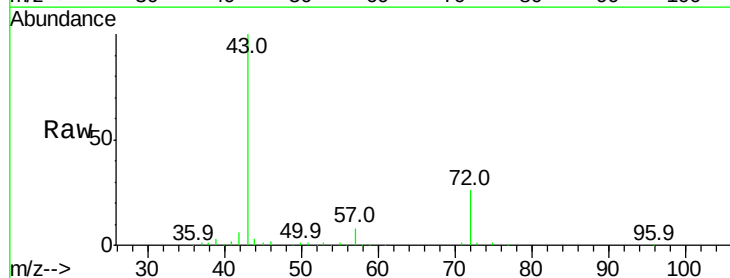
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

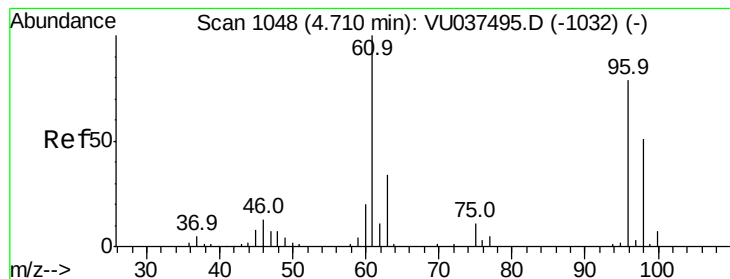
Tgt Ion: 63 Resp: 113721
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.3 41.5
 83 13.5 9.2 17.0



#21
 2-Butanone
 Concen: 111.449 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

Tgt Ion: 43 Resp: 199141
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.7 41.0





#22

cis-1,2-Dichloroethene

Concen: 9.535 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampled :

VSTD01006

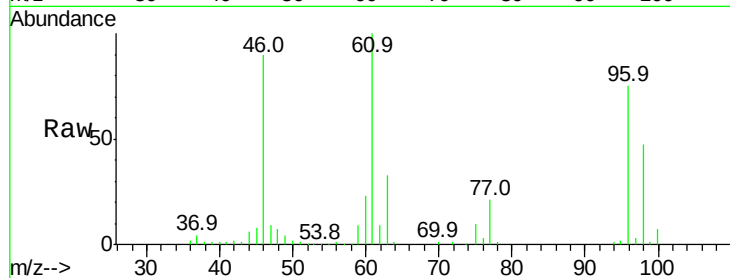
Tgt Ion: 96 Resp: 66812

Ion Ratio Lower Upper

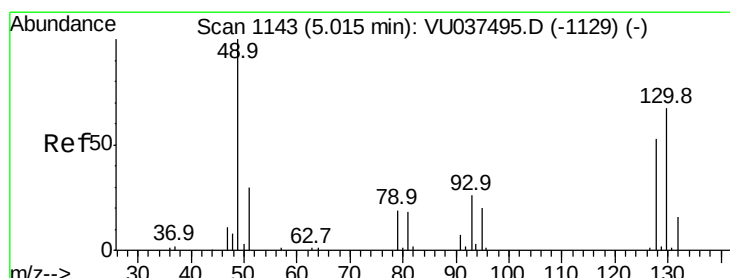
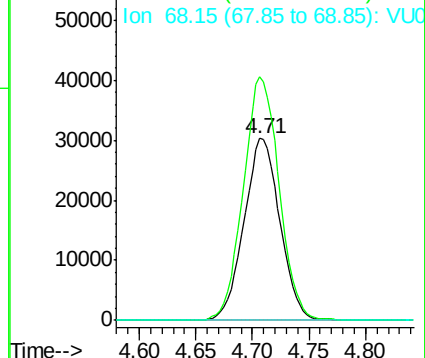
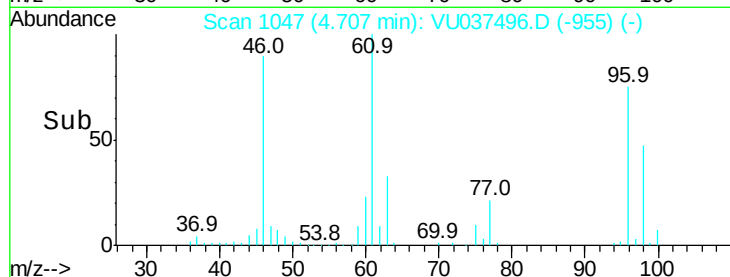
96 100

61 134.1 89.1 165.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037496.D (-955) (-)



#23

Bromochloromethane

Concen: 9.122 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Tgt Ion: 128 Resp: 28236

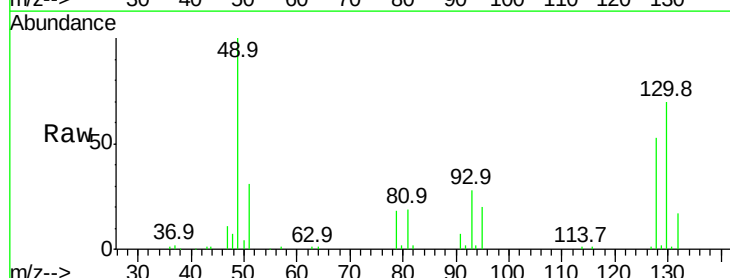
Ion Ratio Lower Upper

128 100

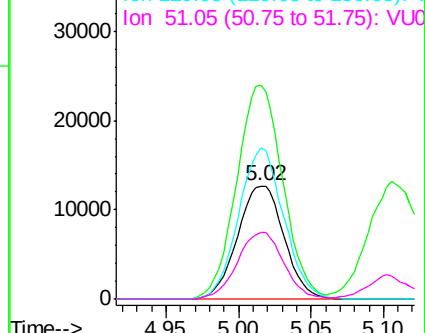
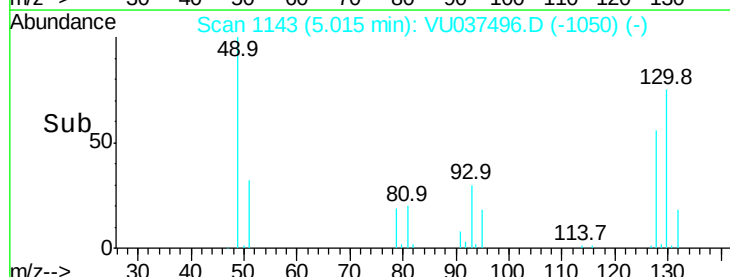
49 189.3 132.4 245.8

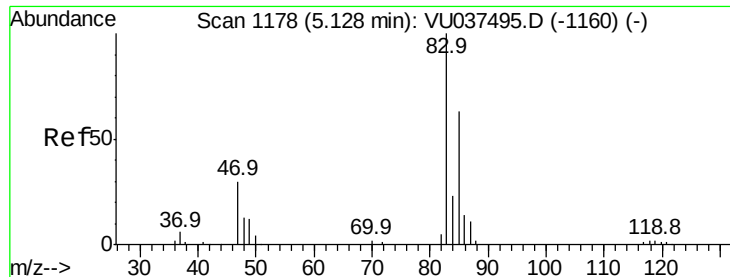
130 133.5 88.6 164.6

51 59.3 45.4 68.0



Abundance Ion 127.90 (127.60 to 128.60): VU037496.D (-1050) (-)

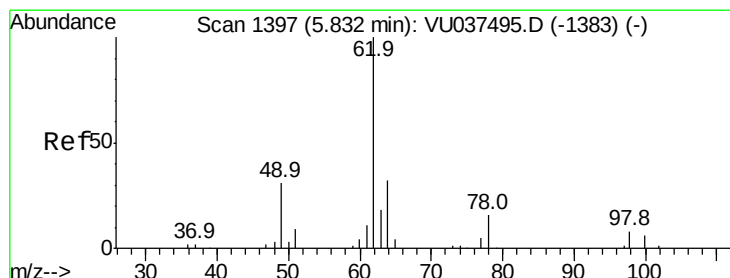
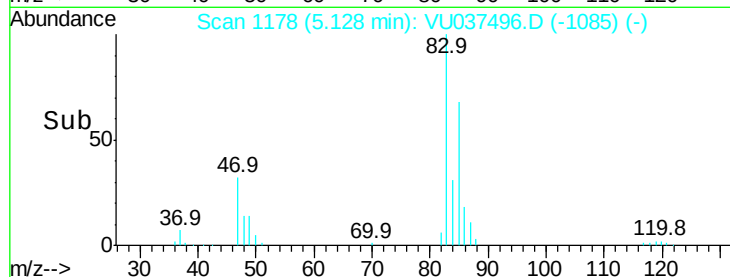
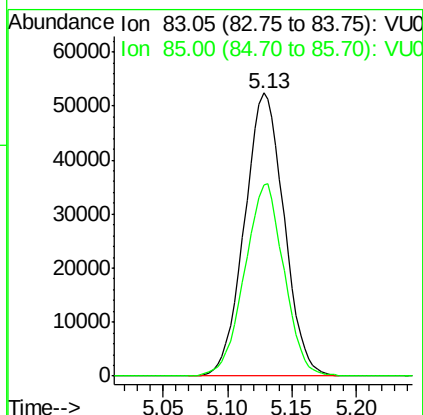
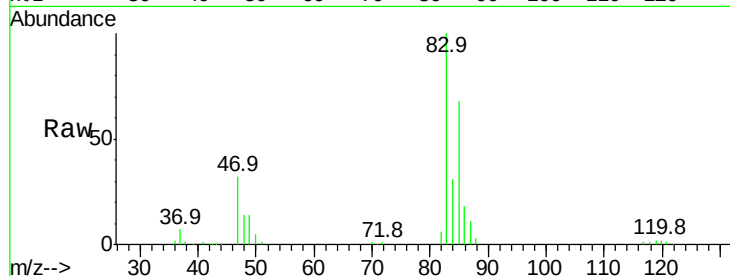




#25
Chloroform
Concen: 9.127 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037496.D
Acq: 31 Mar 2020 12:37

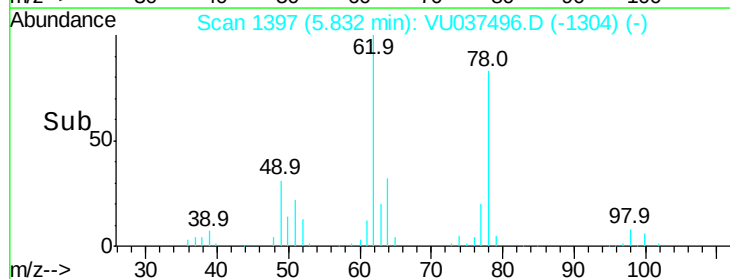
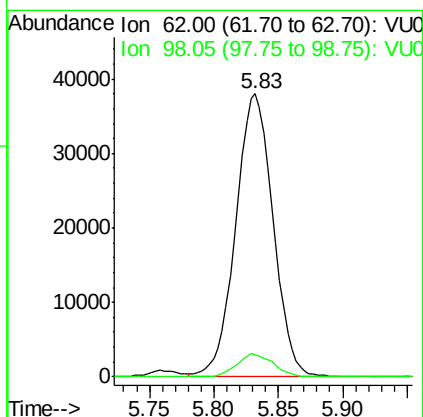
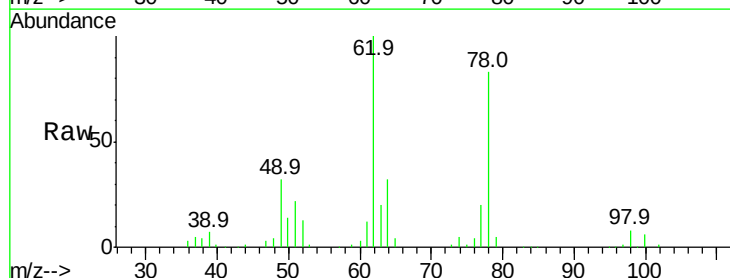
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

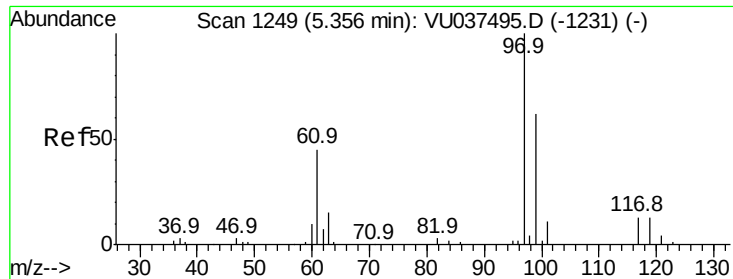
Tgt Ion: 83 Resp: 112207
Ion Ratio Lower Upper
83 100
85 67.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 9.348 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037496.D
Acq: 31 Mar 2020 12:37

Tgt Ion: 62 Resp: 76778
Ion Ratio Lower Upper
62 100
98 8.1 6.3 9.5

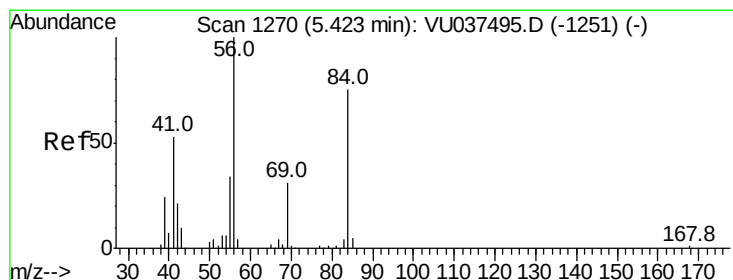
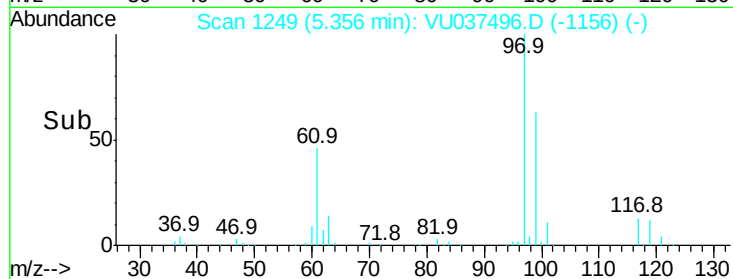
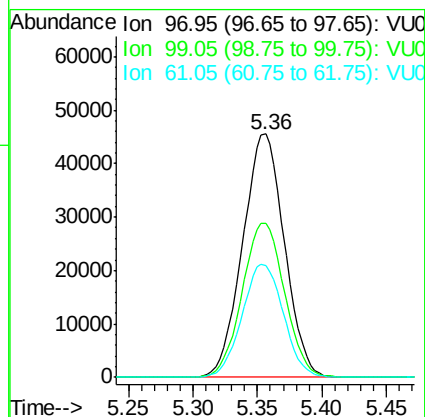
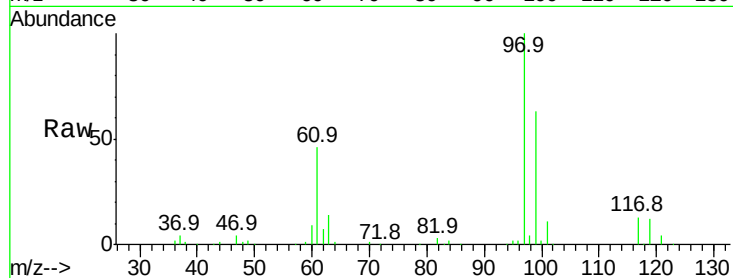




#29
 1,1,1-Trichloroethane
 Concen: 9.714 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

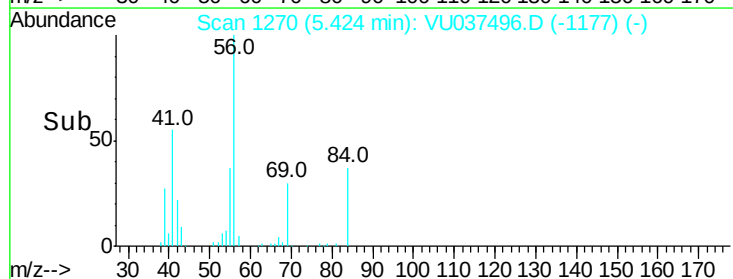
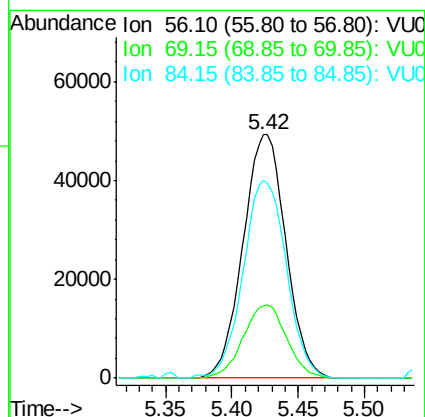
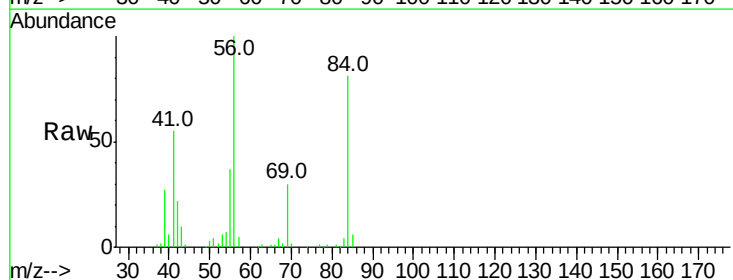
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

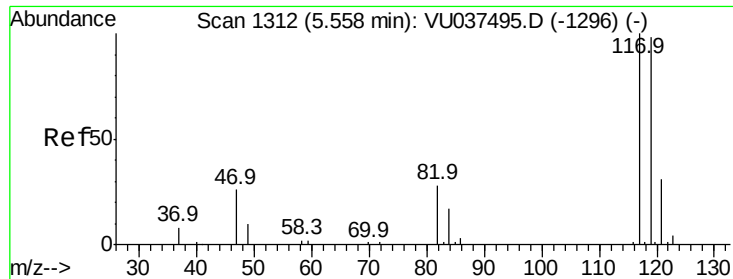
Tgt Ion: 97 Resp: 102837
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.9 76.3
 61 46.0 36.5 54.7



#30
 Cyclohexane
 Concen: 10.239 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

Tgt Ion: 56 Resp: 111073
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.4 36.6
 84 81.9 65.3 97.9





#31

Carbon tetrachloride

Concen: 9.238 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

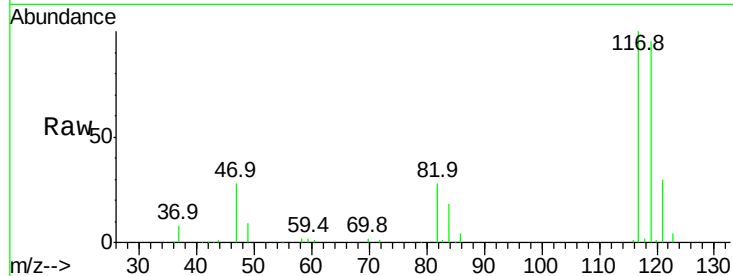
VSTD01006

Tgt Ion:117 Resp: 84438

Ion Ratio Lower Upper

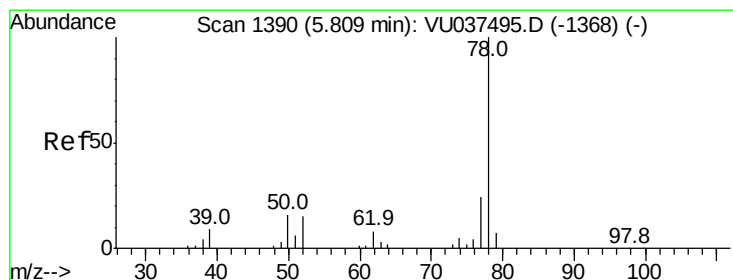
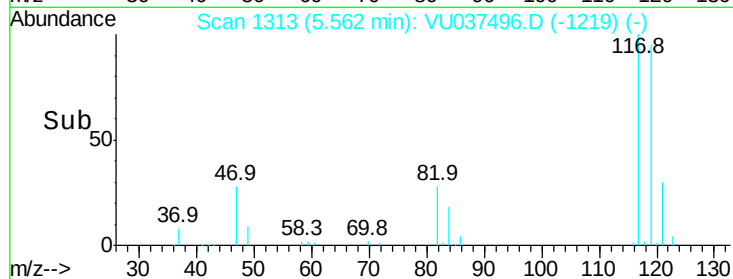
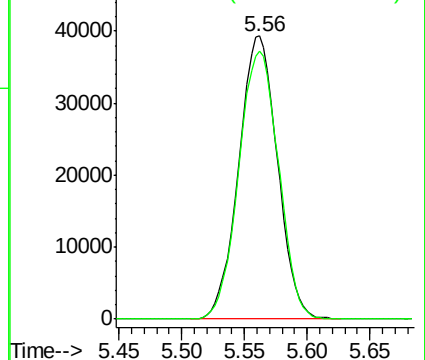
117 100

119 97.4 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: 10.147 ug/L

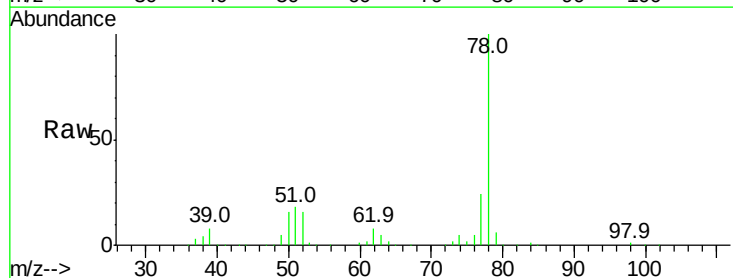
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

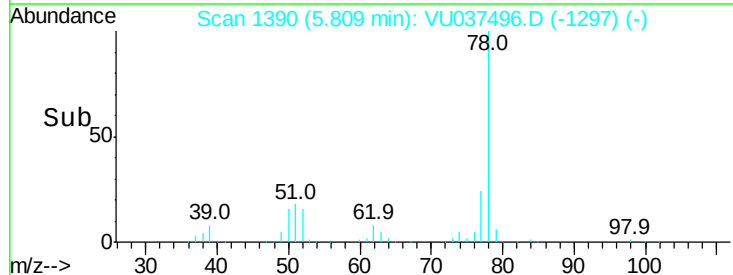
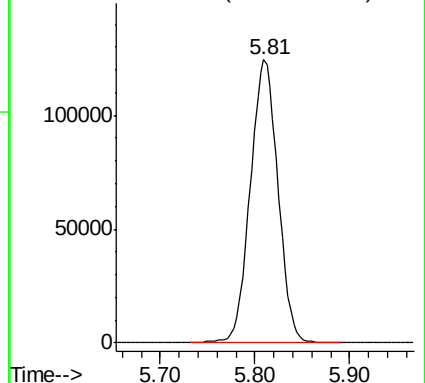
Lab File: VU037496.D

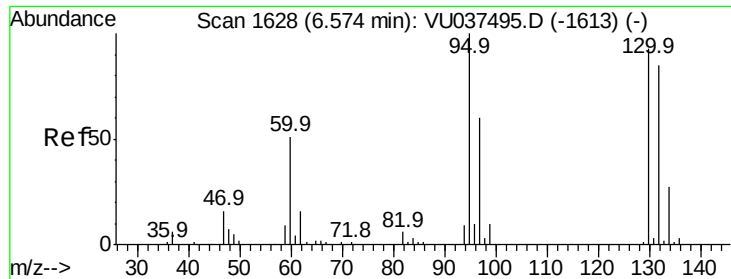
Acq: 31 Mar 2020 12:37

Tgt Ion: 78 Resp: 253089



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.301 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

Tgt Ion: 95 Resp: 66070

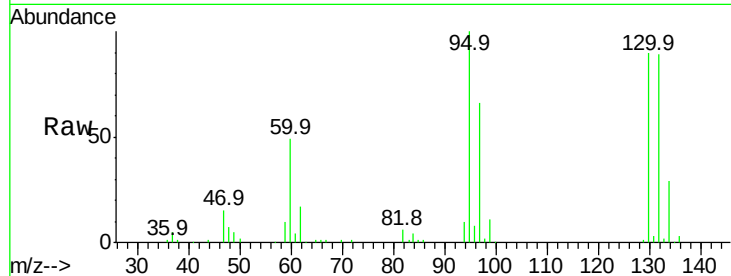
Ion Ratio Lower Upper

95 100

97 65.8 41.8 77.6

132 89.2 59.8 111.0

130 90.2 65.0 120.8

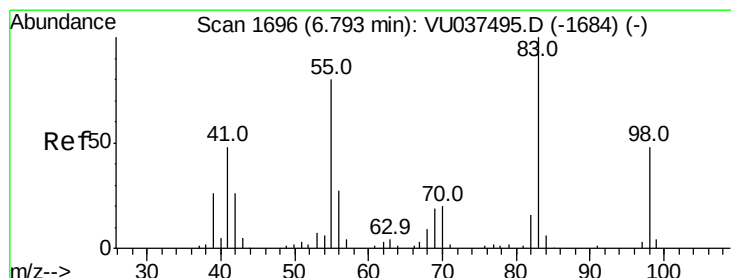
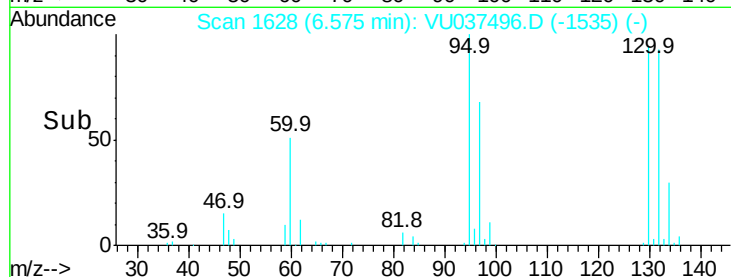
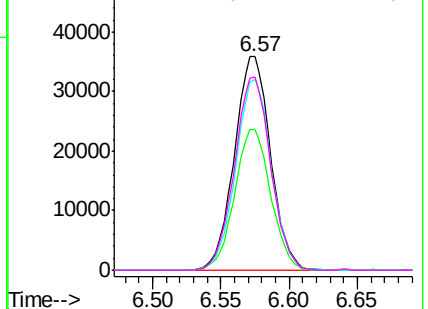


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 9.666 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

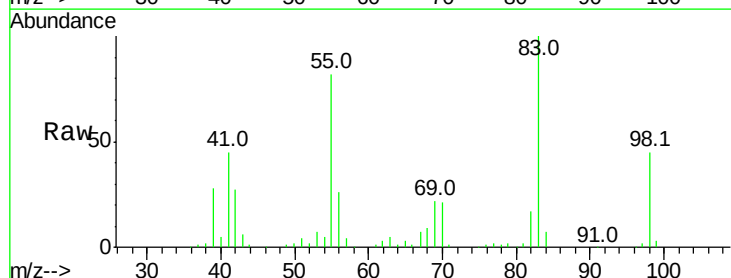
Tgt Ion: 83 Resp: 108669

Ion Ratio Lower Upper

83 100

55 80.3 64.4 96.6

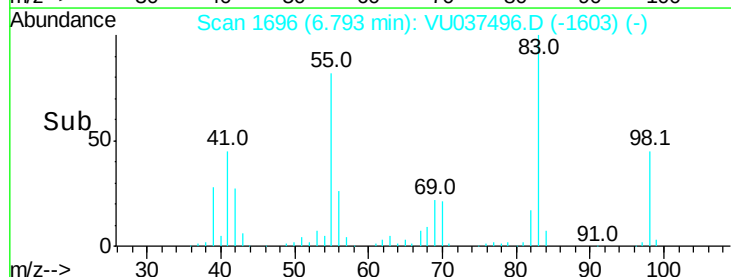
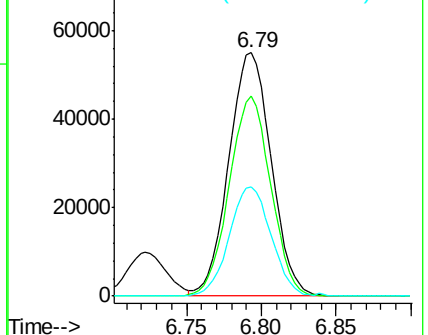
98 44.3 38.2 57.2

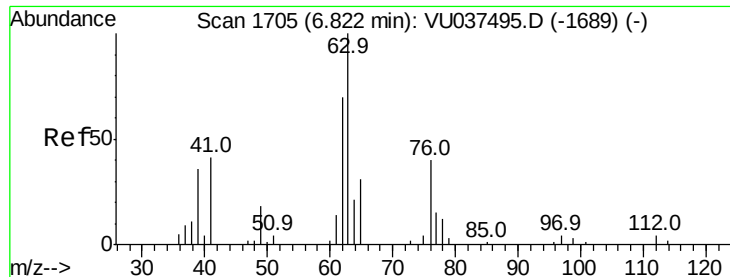


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

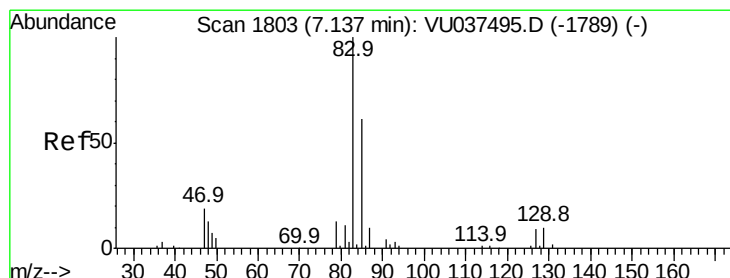
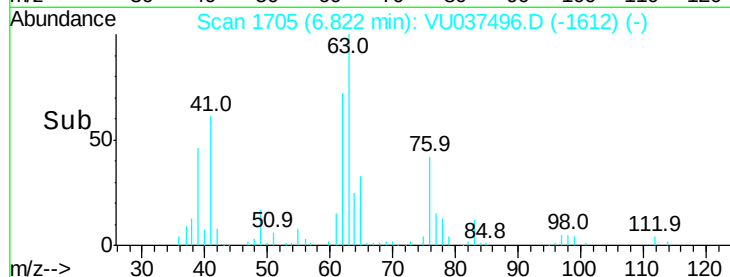
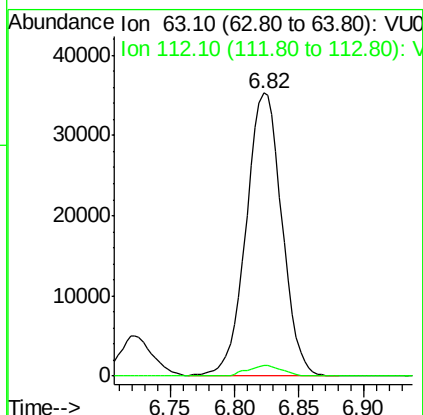
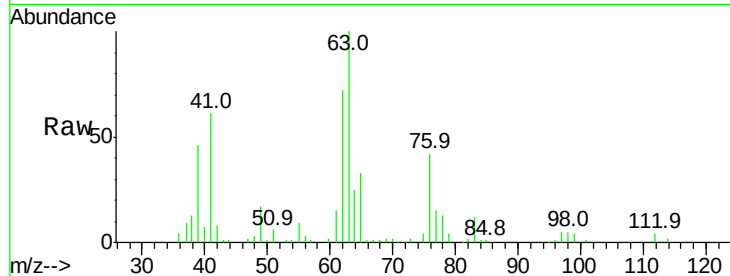




#37
 1,2-Dichloropropane
 Concen: 10.589 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

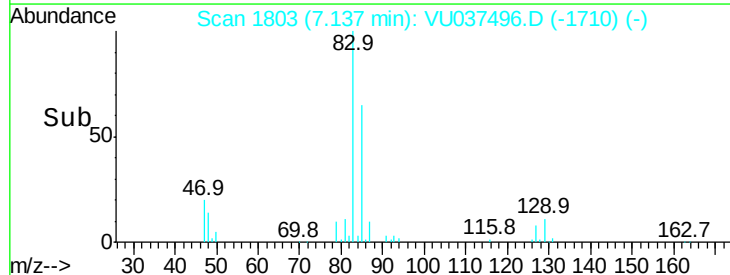
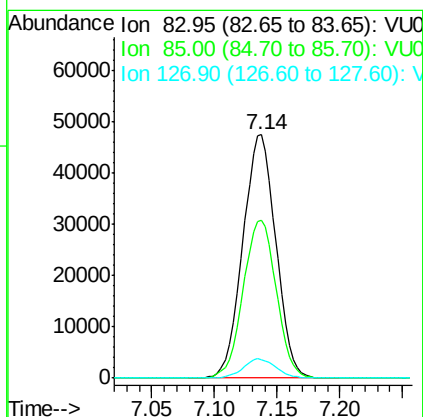
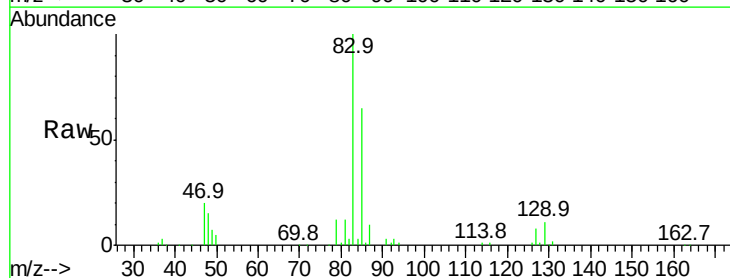
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

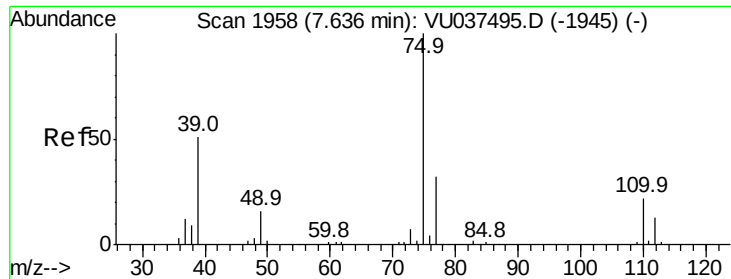
Tgt Ion: 63 Resp: 68271
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.8 4.2



#38
 Bromodichloromethane
 Concen: 9.871 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

Tgt Ion: 83 Resp: 87041
 Ion Ratio Lower Upper
 83 100
 85 64.9 42.7 79.3
 127 7.6 6.9 10.3

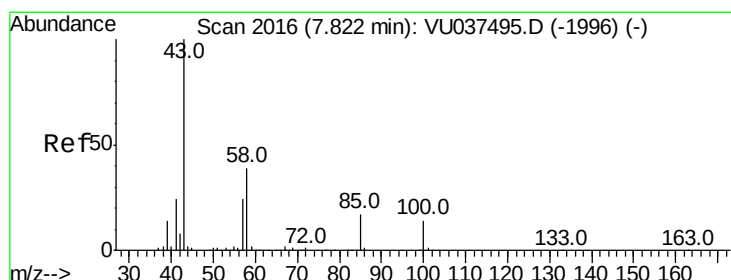
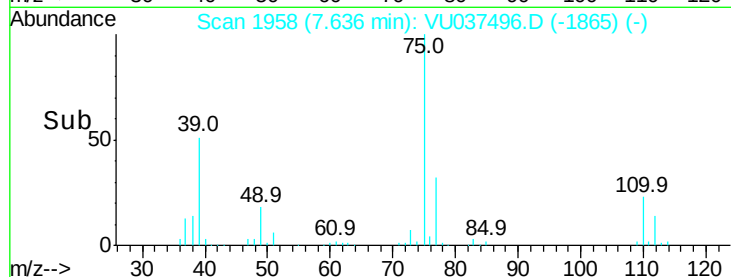
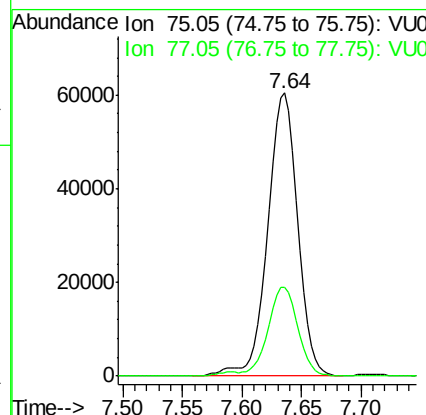
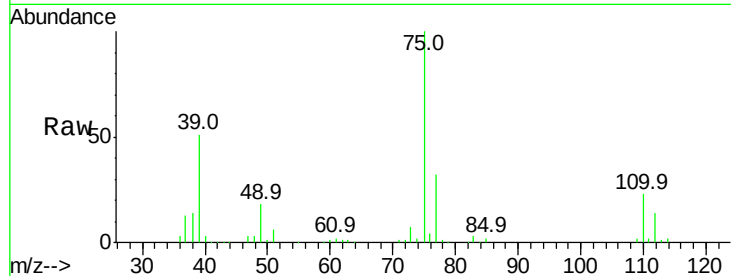




#39
 cis-1,3-Dichloropropene
 Concen: 10.037 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

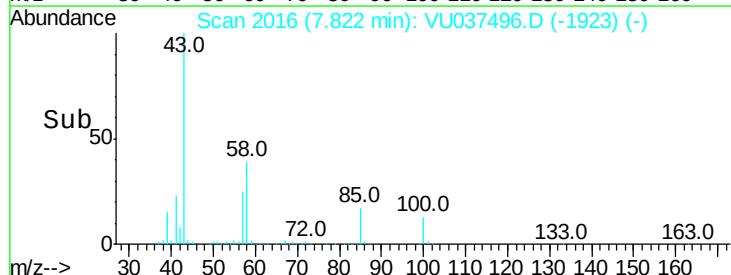
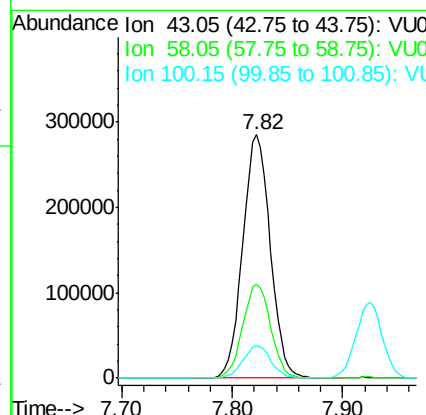
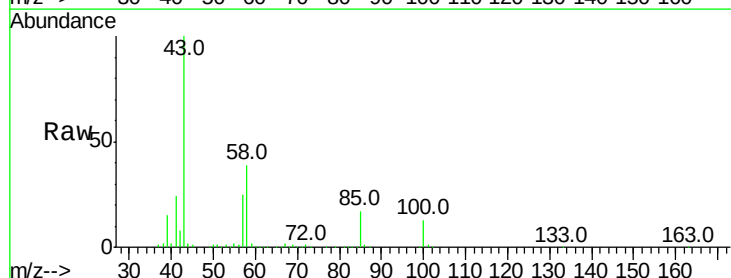
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

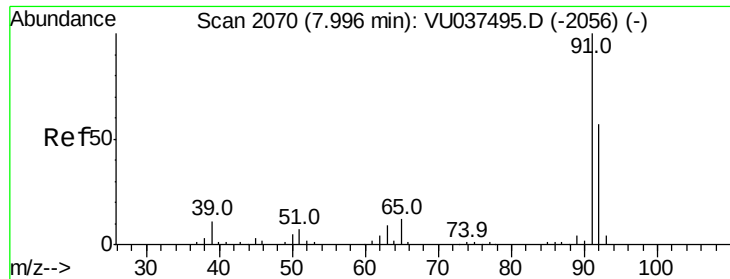
Tgt Ion: 75 Resp: 105537
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 114.775 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

Tgt Ion: 43 Resp: 492692
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.2 46.8
 100 13.4 10.9 16.3





#42

Toluene

Concen: 9.933 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

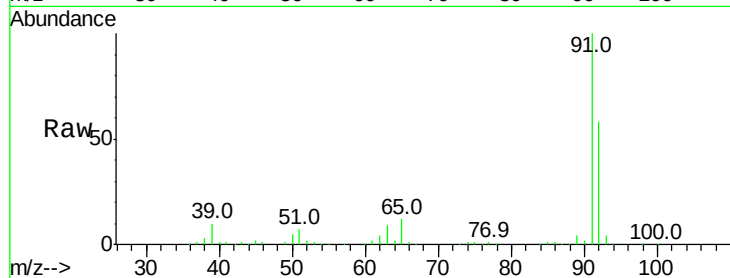
VSTD01006

Tgt Ion: 91 Resp: 266991

Ion Ratio Lower Upper

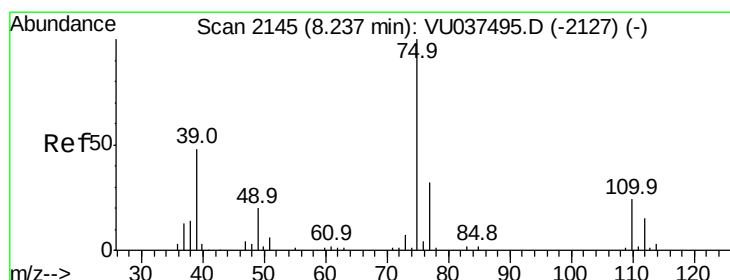
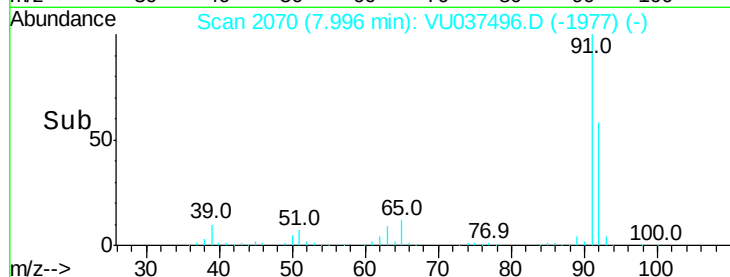
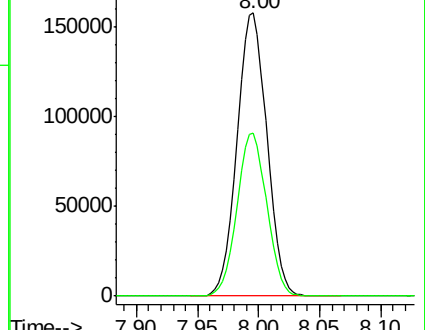
91 100

92 57.7 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.938 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037496.D

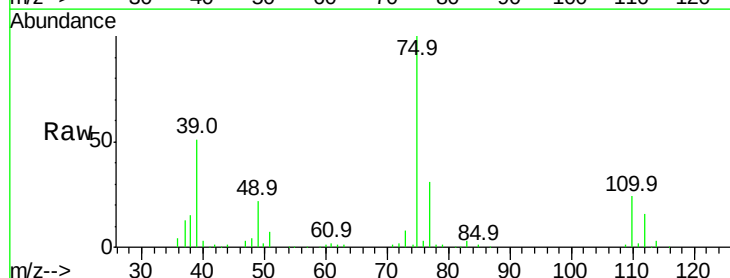
Acq: 31 Mar 2020 12:37

Tgt Ion: 75 Resp: 93410

Ion Ratio Lower Upper

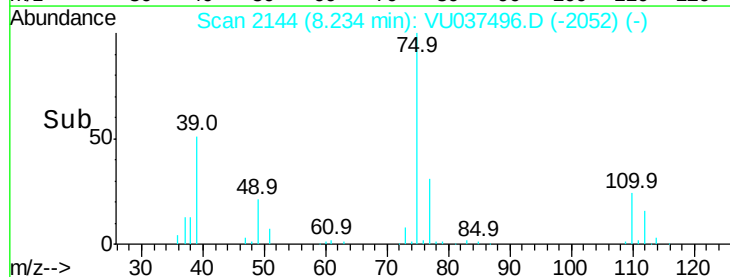
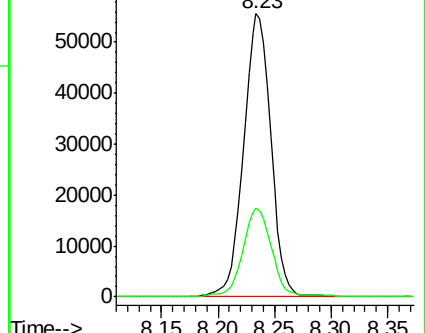
75 100

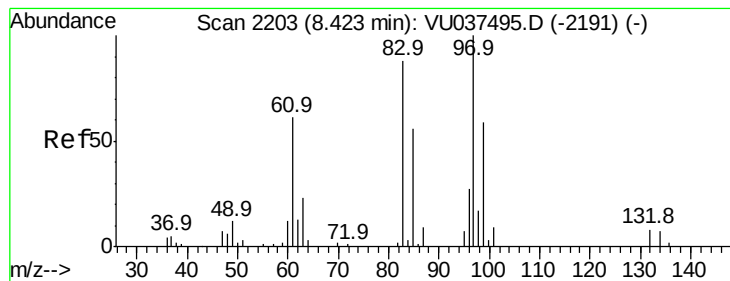
77 31.5 22.9 42.5



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

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





#45

1,1,2-Trichloroethane

Concen: 9.970 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

Tgt Ion: 97 Resp: 48074

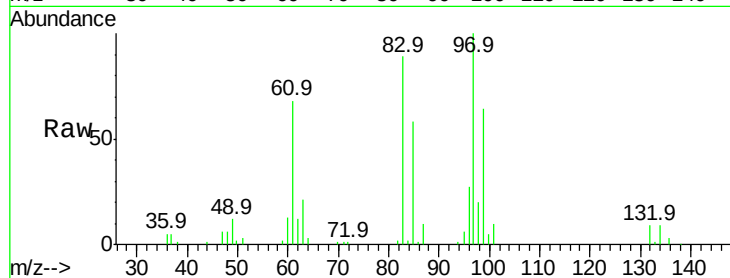
Ion Ratio Lower Upper

97 100

99 64.0 41.6 77.2

83 89.0 61.5 114.1

85 58.3 39.3 73.1

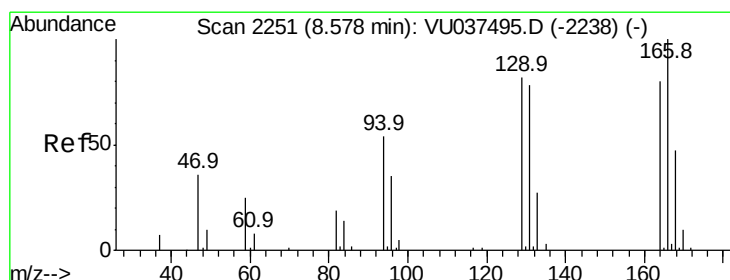
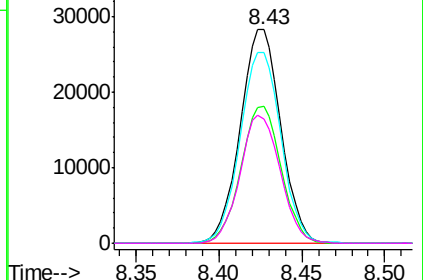
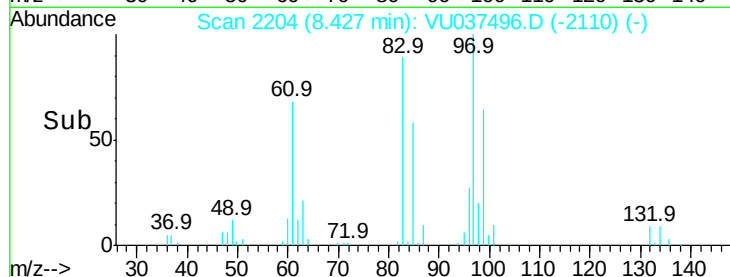


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 8.744 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Tgt Ion: 164 Resp: 42788

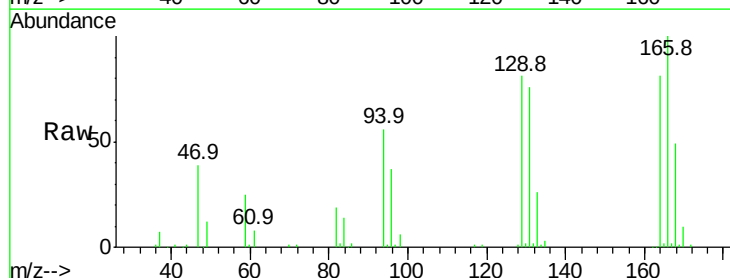
Ion Ratio Lower Upper

164 100

129 100.0 71.3 132.3

131 93.6 67.9 126.1

166 122.8 87.0 161.6

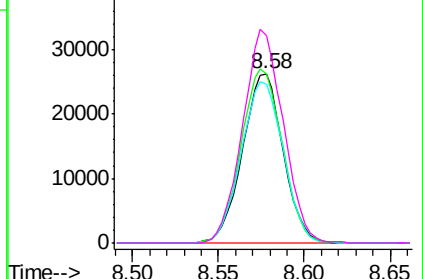
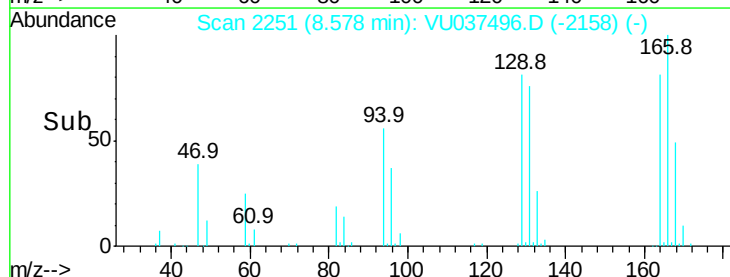


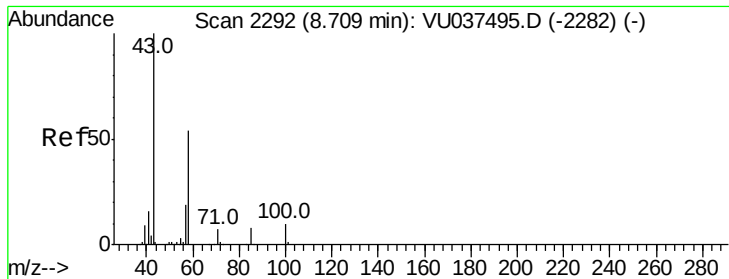
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



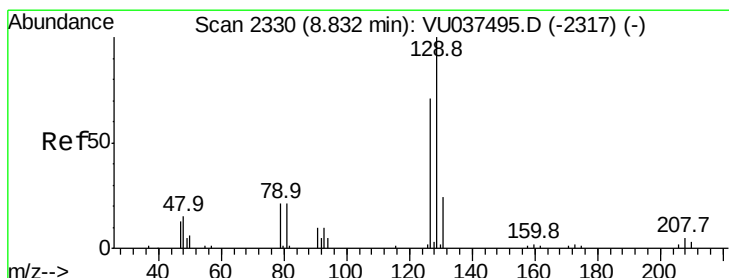
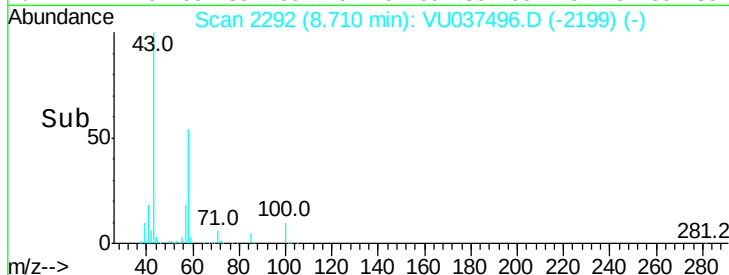
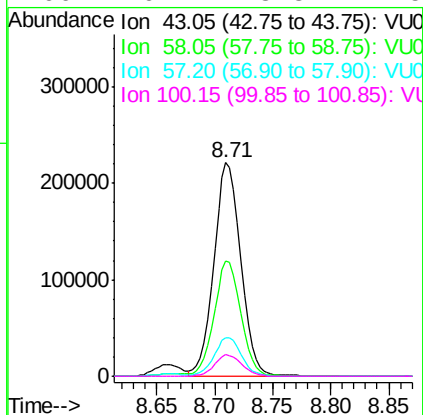
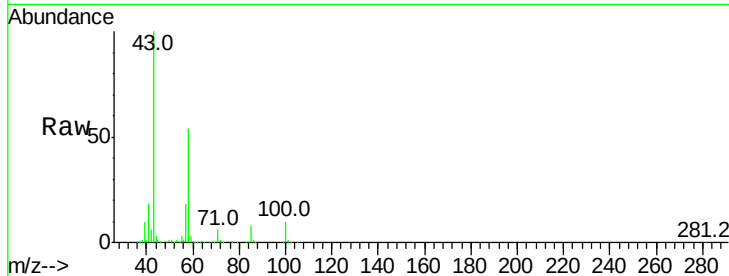


#48
2-Hexanone
Concen: 115.565 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037496.D
Acq: 31 Mar 2020 12:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion: 43 Resp: 357575

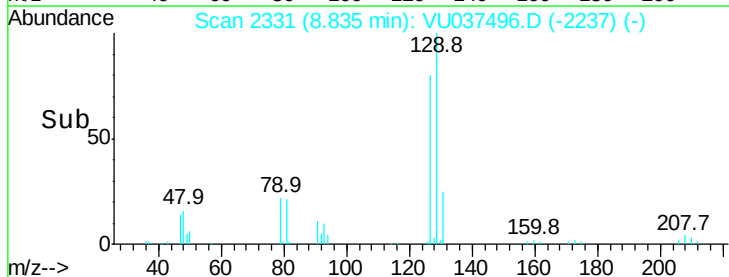
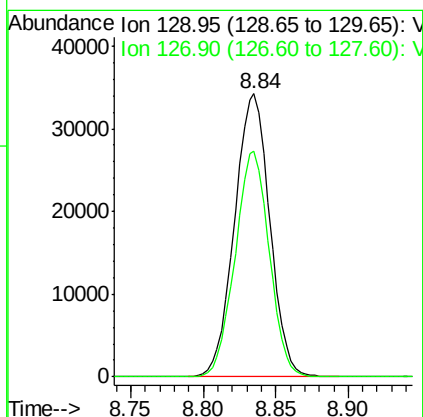
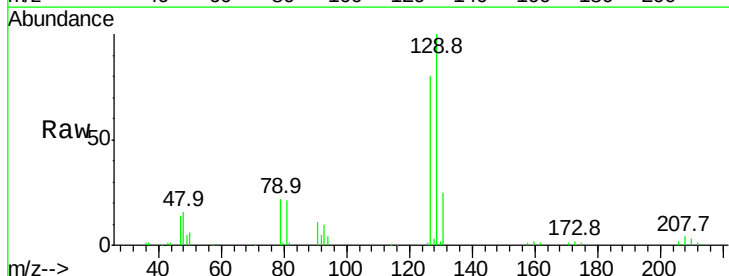
Ion	Ratio	Lower	Upper
43	100		
58	53.6	43.4	65.0
57	18.7	14.9	22.3
100	10.2	8.3	12.5

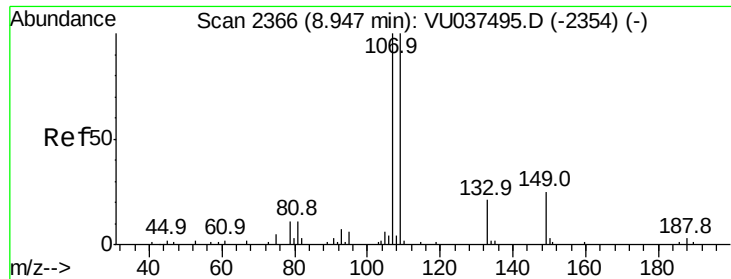


#49
Dibromochloromethane
Concen: 9.724 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037496.D
Acq: 31 Mar 2020 12:37

Tgt Ion: 129 Resp: 57870

Ion	Ratio	Lower	Upper
129	100		
127	79.8	49.4	91.8

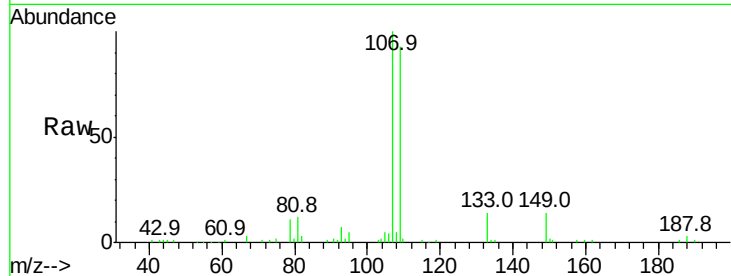




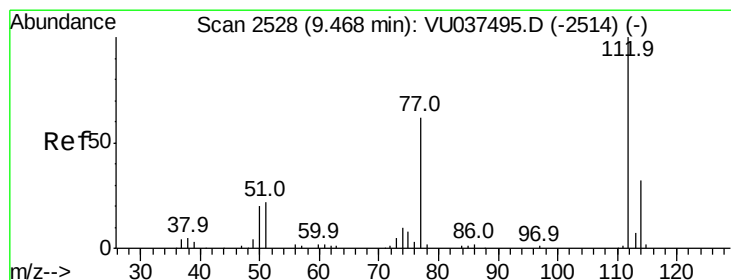
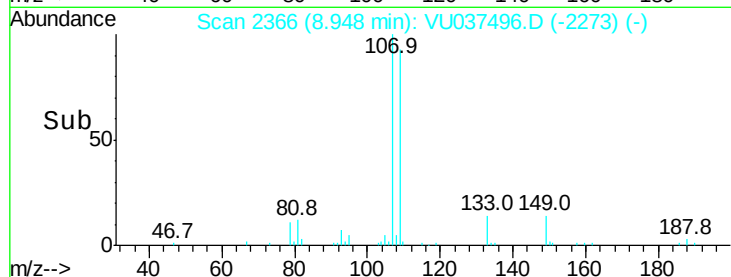
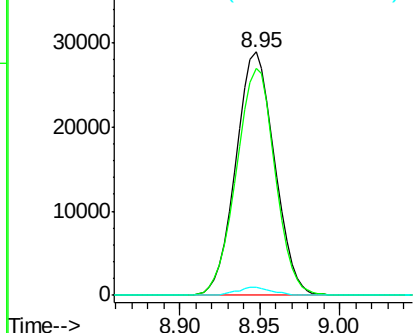
#50
1,2-Dibromoethane
Concen: 10.132 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037496.D
Acq: 31 Mar 2020 12:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion:107 Resp: 47426
Ion Ratio Lower Upper
107 100
109 93.3 70.1 130.3
188 3.3 2.2 3.4

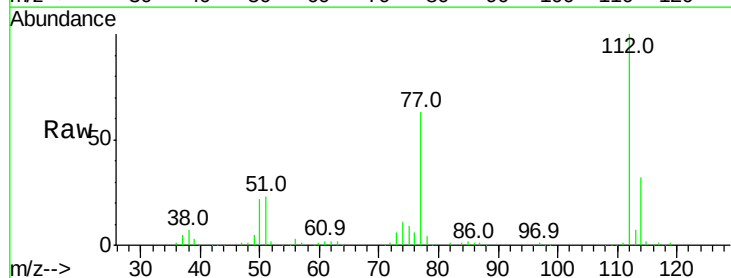


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

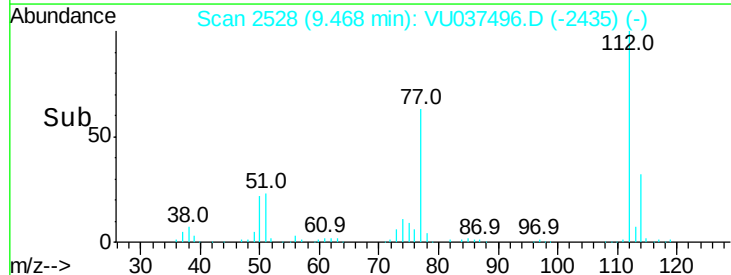
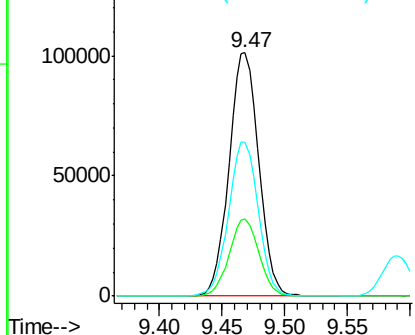


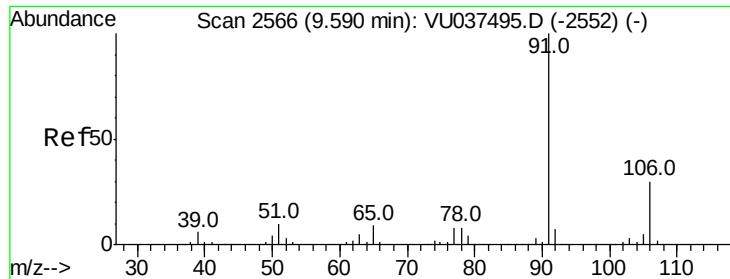
#51
Chlorobenzene
Concen: 8.954 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037496.D
Acq: 31 Mar 2020 12:37

Tgt Ion:112 Resp: 166264
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 63.4 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: 9.869 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

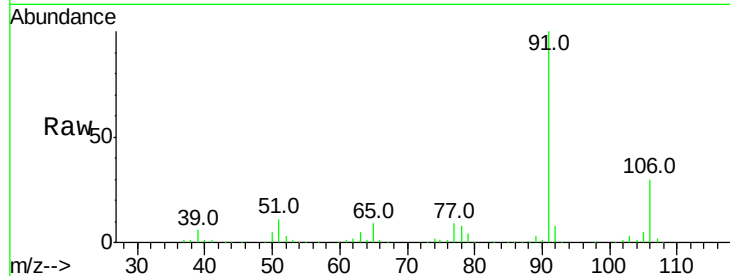
VSTD01006

Tgt Ion: 91 Resp: 304421

Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037495.D (-2552) (-)

Ion 106.15 (105.85 to 106.85): VU037495.D (-2552) (-)

9.59

200000

150000

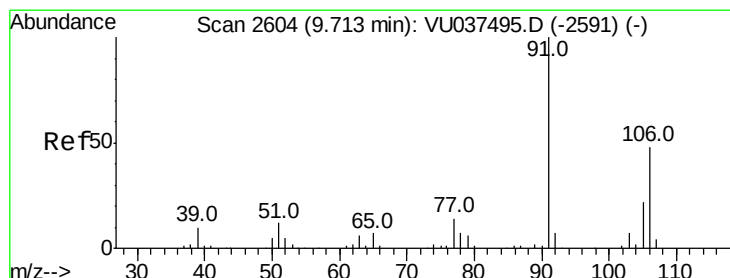
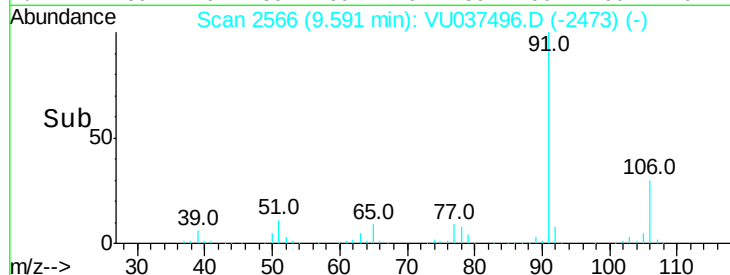
100000

50000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 9.871 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037496.D

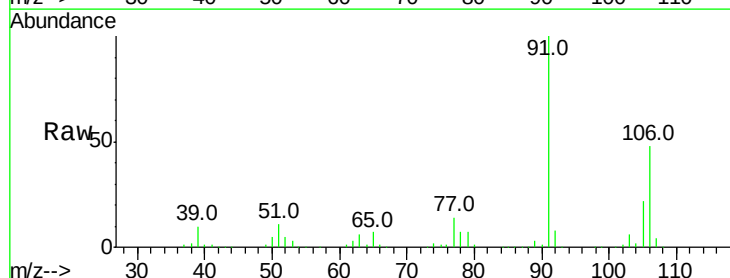
Acq: 31 Mar 2020 12:37

Tgt Ion: 106 Resp: 115052

Ion Ratio Lower Upper

106 100

91 210.4 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VU037495.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU037495.D (-2591) (-)

9.71

150000

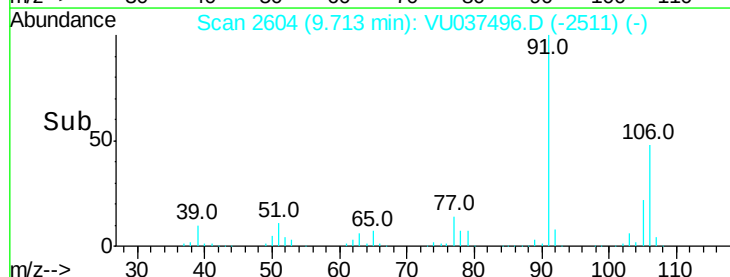
100000

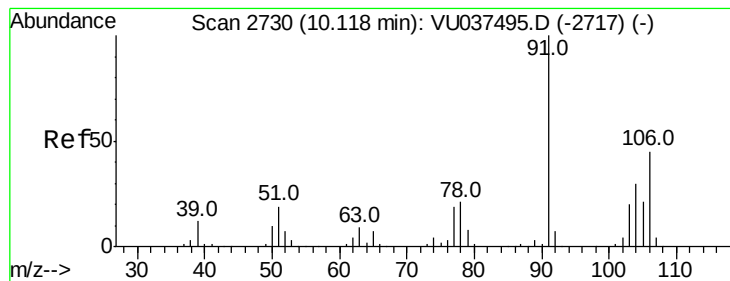
50000

0

9.65 9.70 9.75 9.80

Time-->





#54

o-Xylene

Concen: 9.684 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

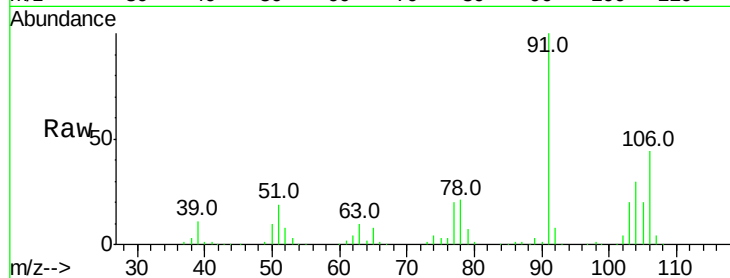
VSTD01006

Tgt Ion:106 Resp: 110166

Ion Ratio Lower Upper

106 100

91 227.6 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

150000

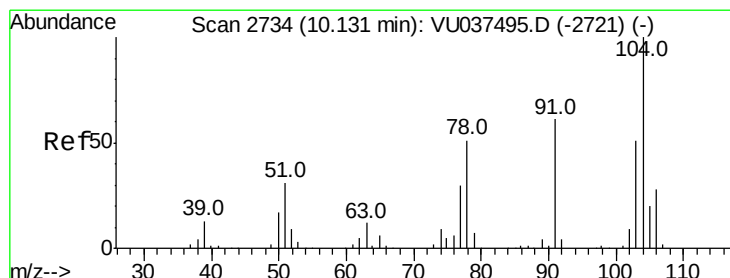
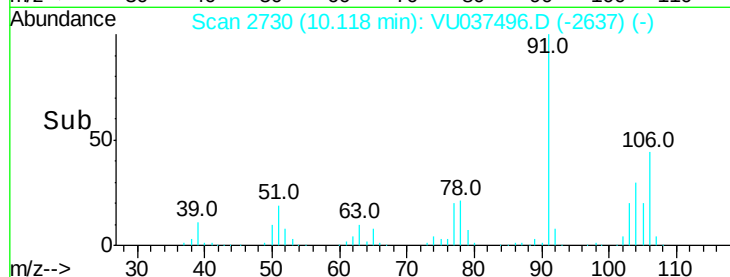
100000

50000

0

10.12

Time-->



#55

Styrene

Concen: 9.759 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037496.D

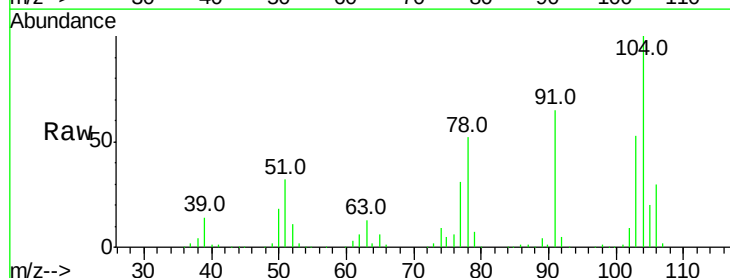
Acq: 31 Mar 2020 12:37

Tgt Ion:104 Resp: 189692

Ion Ratio Lower Upper

104 100

78 52.3 35.7 66.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

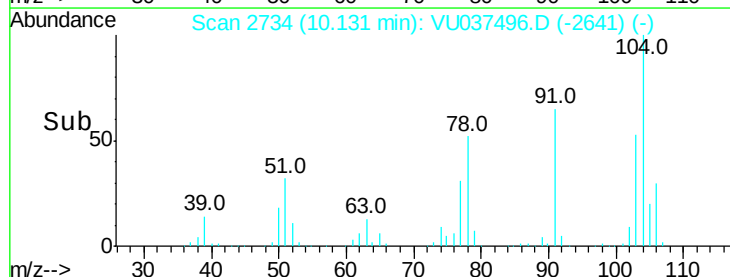
100000

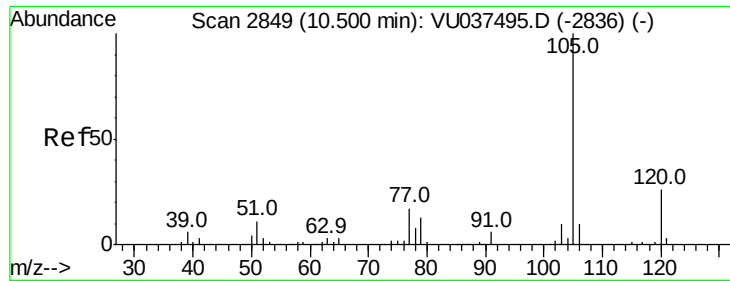
50000

0

10.13

Time-->





#56

Isopropylbenzene

Concen: 9.792 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

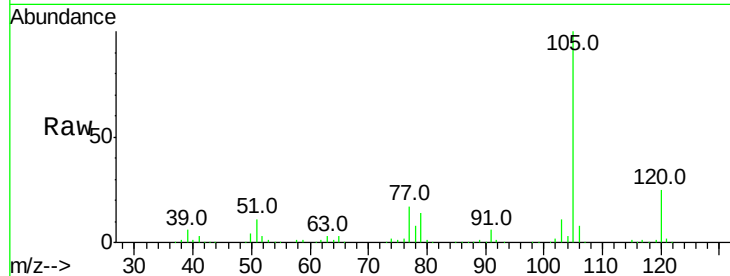
Tgt Ion:105 Resp: 296779

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

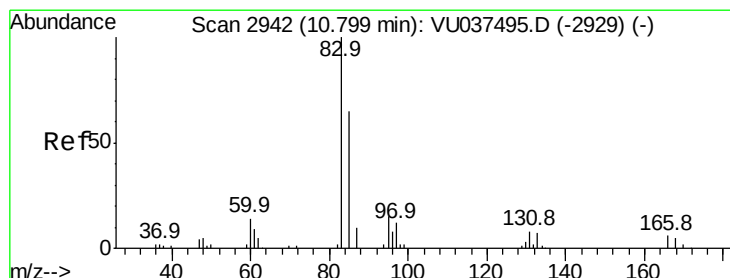
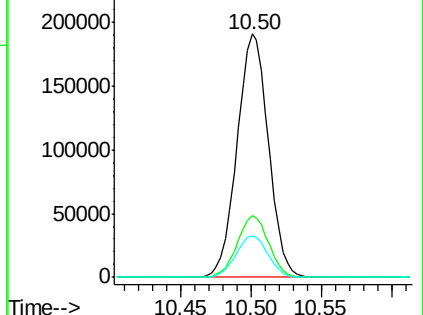
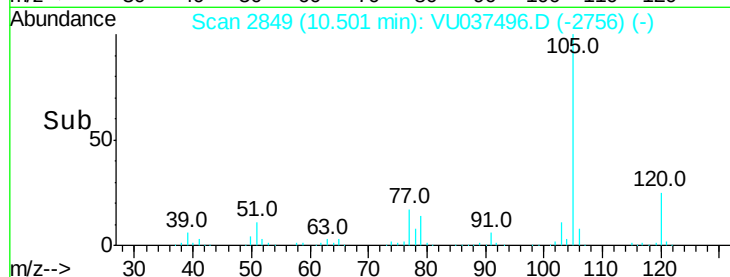
77 17.6 13.6 20.4



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: 10.515 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

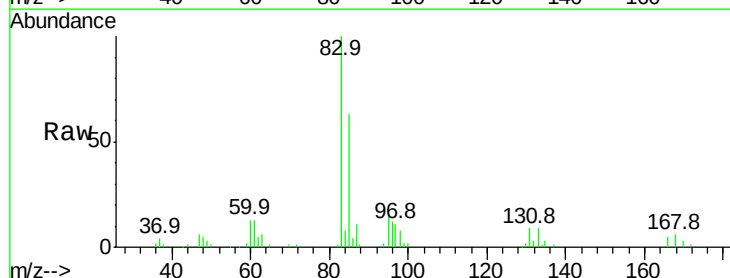
Tgt Ion: 83 Resp: 64729

Ion Ratio Lower Upper

83 100

85 63.5 45.9 85.3

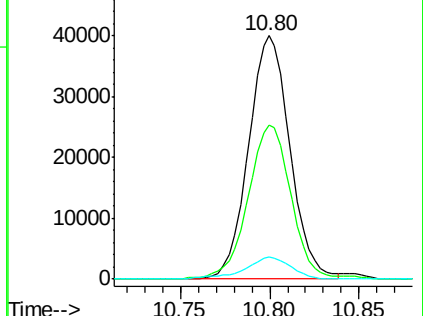
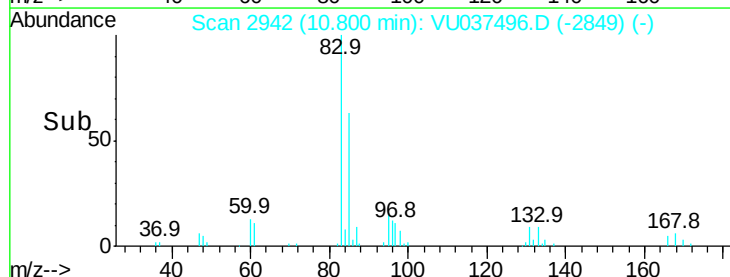
131 9.0 6.5 9.7

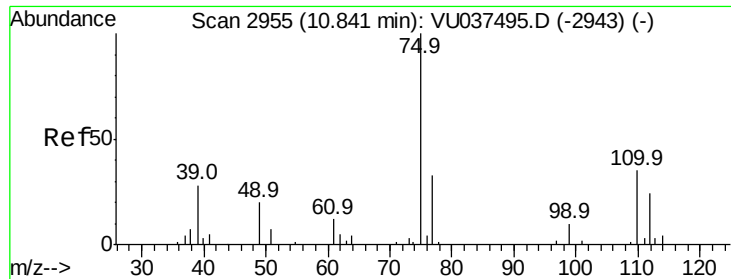


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.445 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

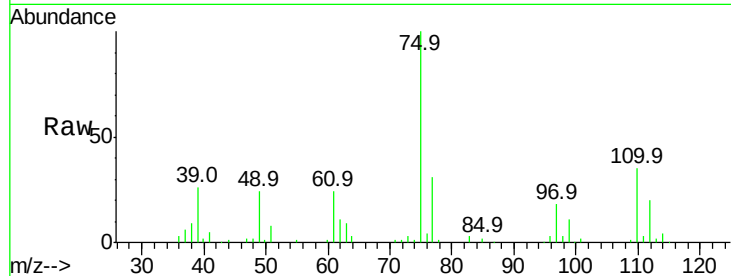
VSTD01006

Tgt Ion: 75 Resp: 46845

Ion Ratio Lower Upper

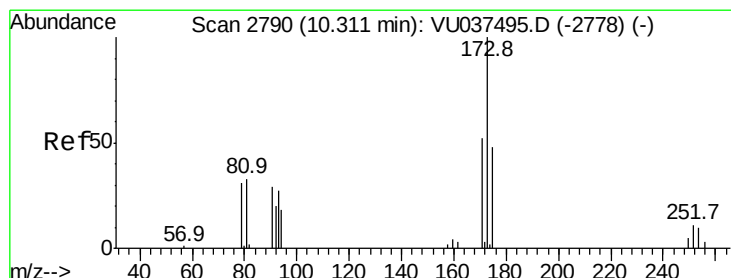
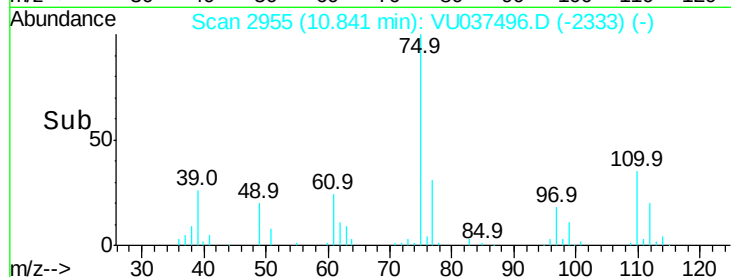
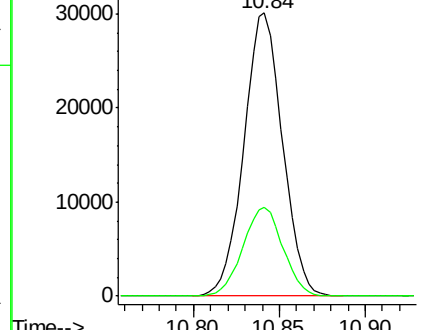
75 100

77 32.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU037495.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037495.D (-2943) (-)



#61

Bromoform

Concen: 9.379 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

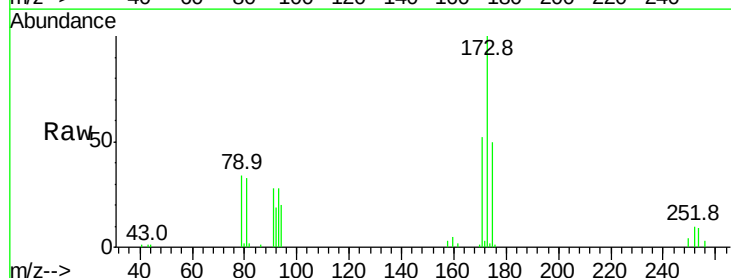
Tgt Ion: 173 Resp: 32750

Ion Ratio Lower Upper

173 100

175 49.2 40.0 60.0

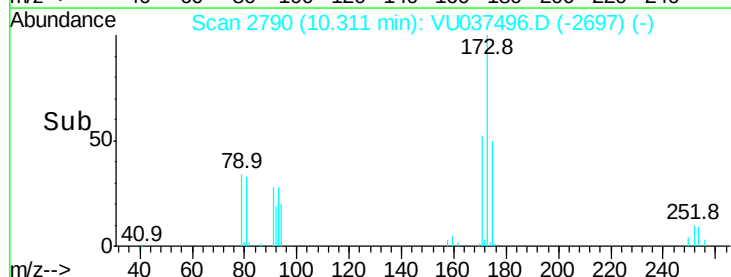
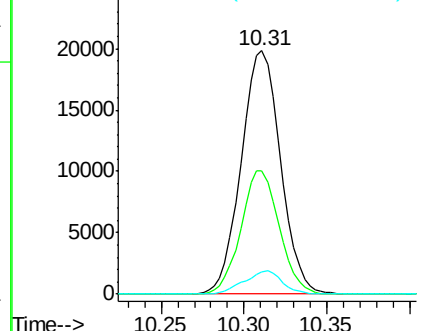
254 9.1 8.4 12.6

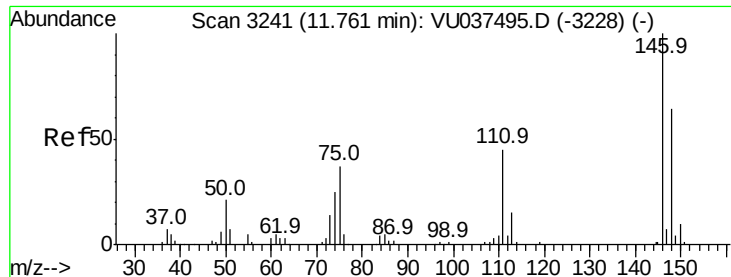


Abundance Ion 172.90 (172.60 to 173.60): VU037495.D (-2778) (-)

Ion 174.90 (174.60 to 175.60): VU037495.D (-2778) (-)

Ion 253.75 (253.45 to 254.45): VU037495.D (-2778) (-)





#62

1,3-Dichlorobenzene

Concen: 9.511 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

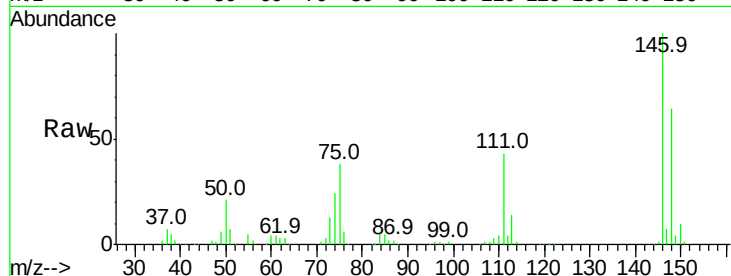
Tgt Ion:146 Resp: 128492

Ion Ratio Lower Upper

146 100

111 43.3 31.4 58.2

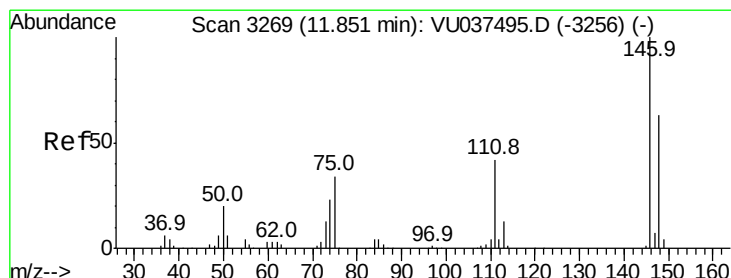
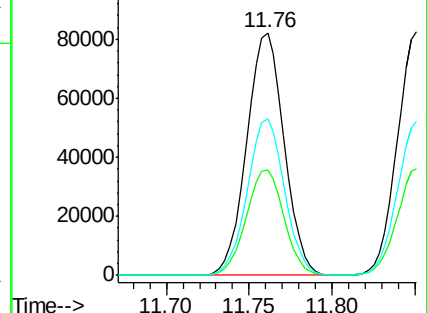
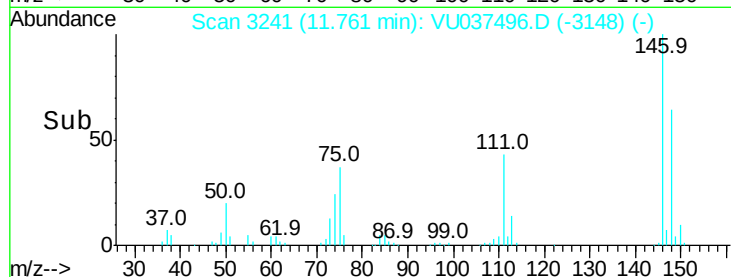
148 64.4 44.9 83.5



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: 8.803 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

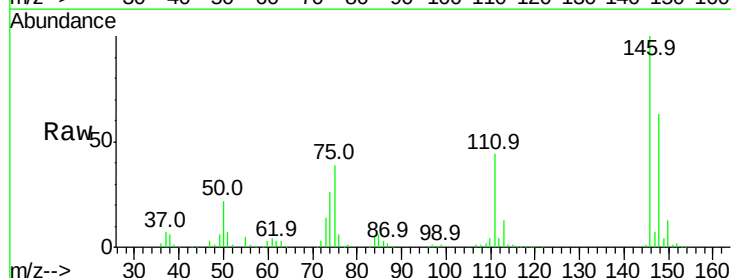
Tgt Ion:146 Resp: 126982

Ion Ratio Lower Upper

146 100

111 43.6 29.7 55.1

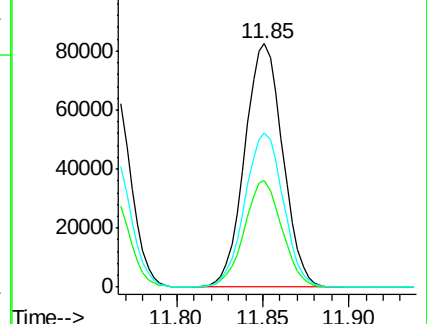
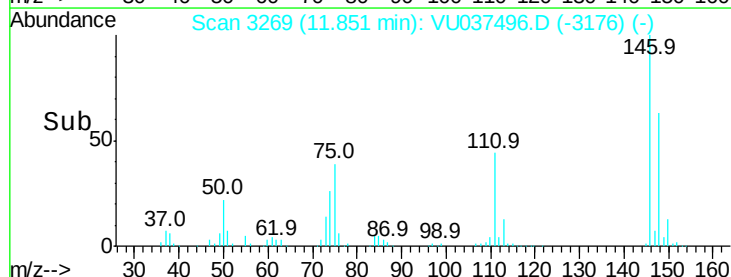
148 63.4 44.4 82.4

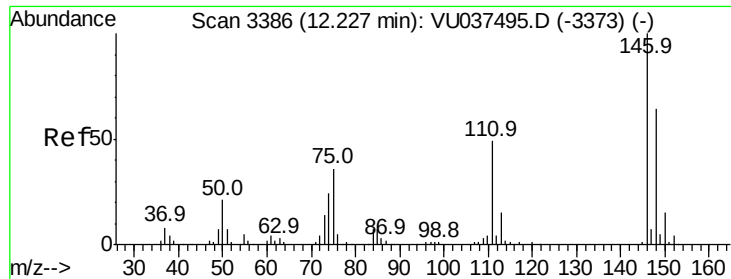


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

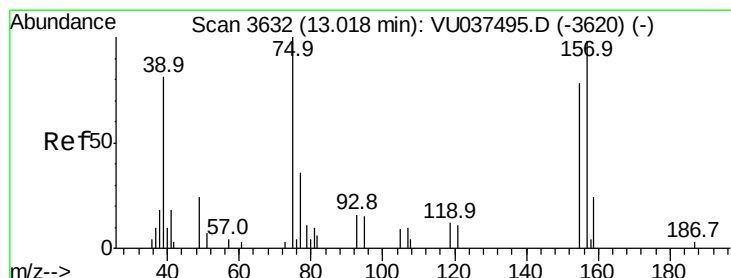
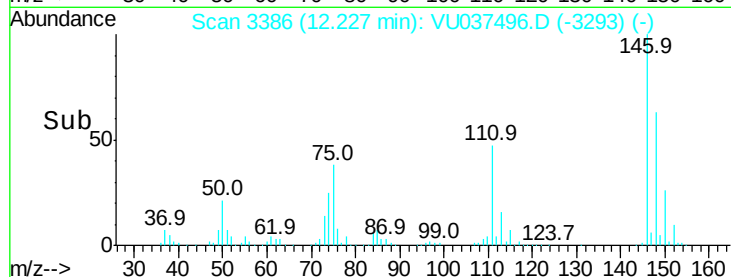
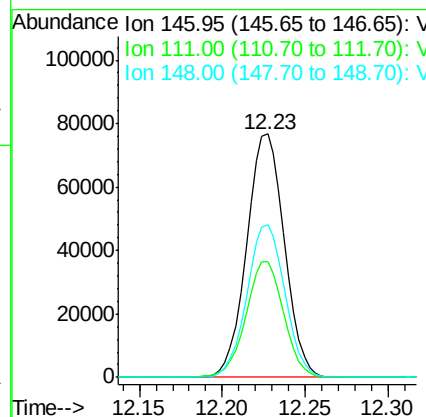
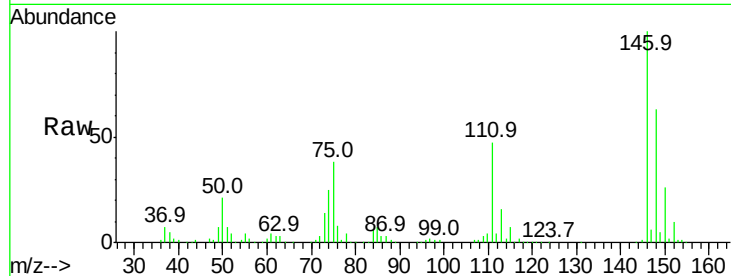




#65
 1,2-Dichlorobenzene
 Concen: 9.307 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

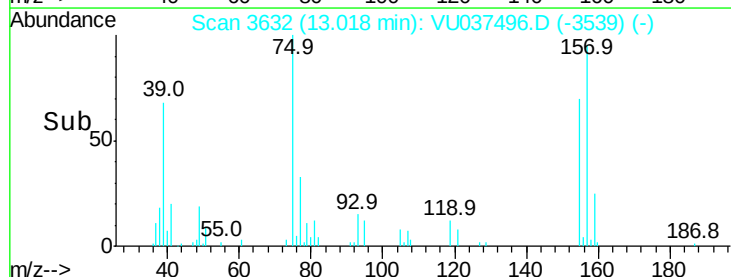
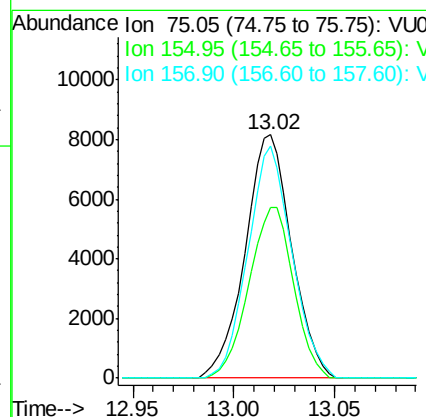
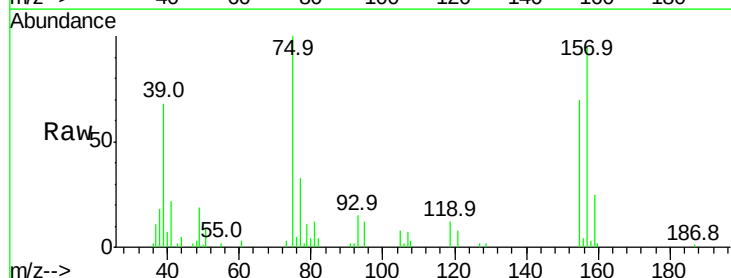
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

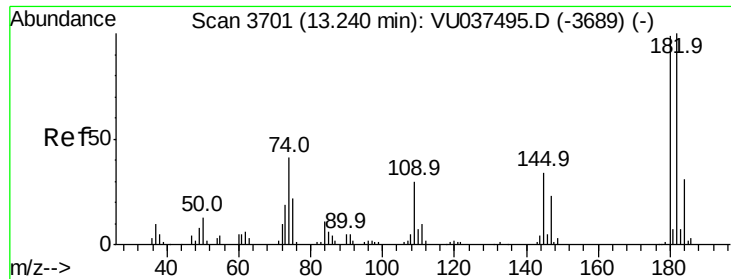
Tgt Ion:146 Resp: 121378
 Ion Ratio Lower Upper
 146 100
 111 47.5 38.9 58.3
 148 62.9 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.467 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

Tgt Ion: 75 Resp: 13159
 Ion Ratio Lower Upper
 75 100
 155 70.3 62.4 93.6
 157 95.4 78.7 118.1

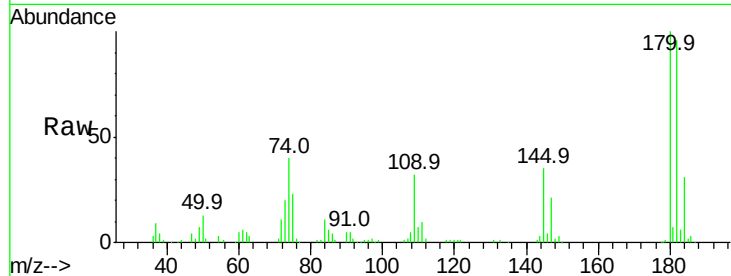




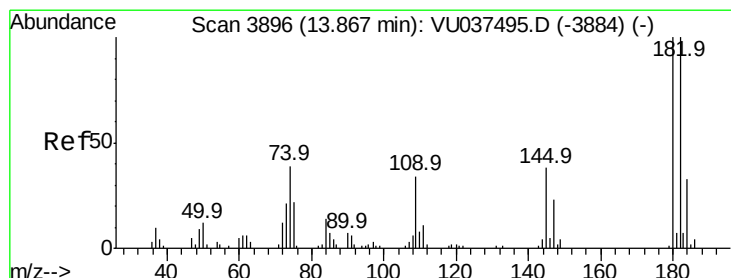
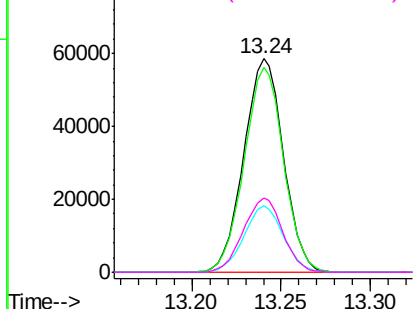
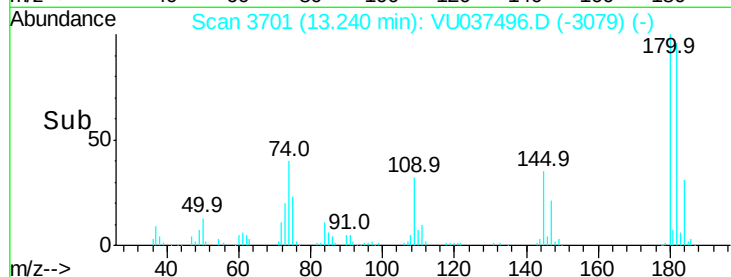
#67
 1,3,5-Trichlorobenzene
 Concen: 8.647 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:180 Resp: 90581
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.3 115.9
 184 30.9 25.0 37.4
 145 34.5 27.0 40.6

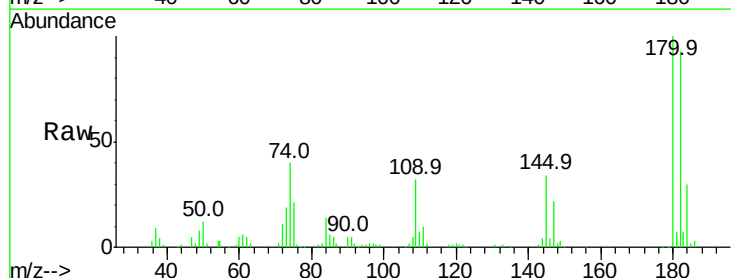


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

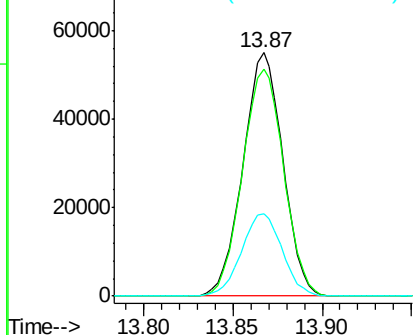
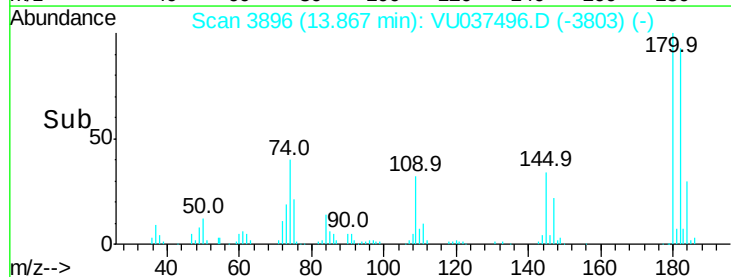


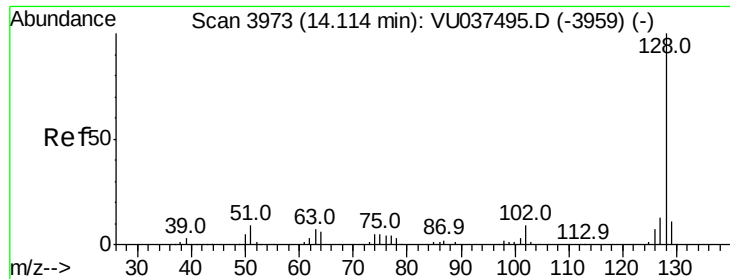
#68
 1,2,4-trichlorobenzene
 Concen: 8.534 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037496.D
 Acq: 31 Mar 2020 12:37

Tgt Ion:180 Resp: 86191
 Ion Ratio Lower Upper
 180 100
 182 96.1 80.4 120.6
 145 34.4 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: 10.108 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

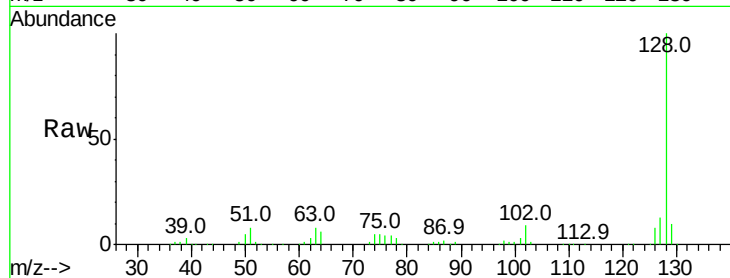
Tgt Ion:128 Resp: 198178

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

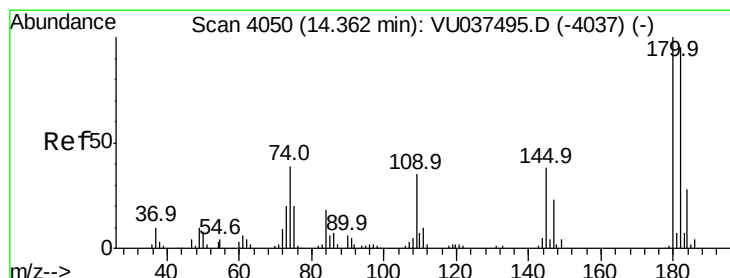
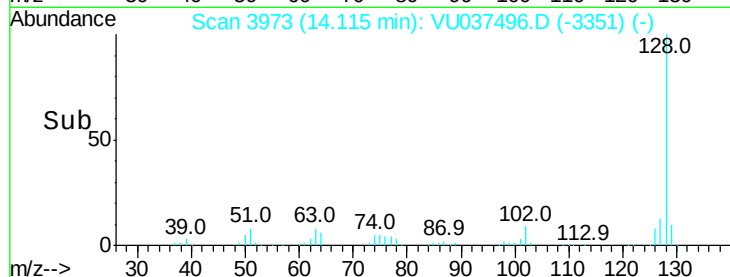
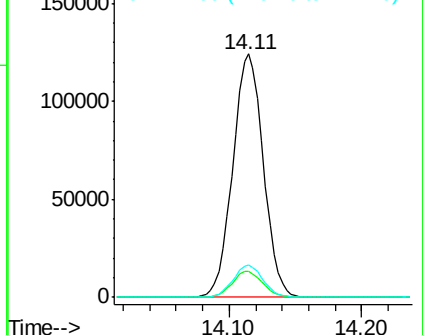
127 13.1 10.2 15.2



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: 8.678 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037496.D

Acq: 31 Mar 2020 12:37

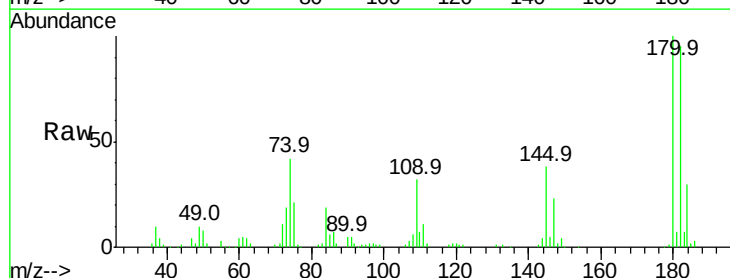
Tgt Ion:180 Resp: 78822

Ion Ratio Lower Upper

180 100

182 93.4 74.7 112.1

145 36.2 30.0 45.0



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

