

Data File : VU037497.D
Acq On : 31 Mar 2020 13:02
Operator : JC/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Quant Time: Mar 31 13:24:06 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	93302	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	89254	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	43006	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	136831	19.87	ug/L	0.00
7) Chloroethane-d5	1.93	69	100124	19.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	265377	19.73	ug/L	0.00
20) 2-Butanone-d5	4.67	46	412600	219.79	ug/L	-0.01
24) Chloroform-d	5.10	84	264439	19.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	144302	19.28	ug/L	0.00
32) Benzene-d6	5.76	84	511957	19.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	170273	19.95	ug/L	0.00
41) Toluene-d8	7.92	98	465941	19.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	76818	19.14	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	341448	213.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	143069	19.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	164350	19.40	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	139976	17.879 ug/L	98
3) Chloromethane	1.53	50	139372	20.084 ug/L	98
5) Vinyl chloride	1.62	62	148779	20.369 ug/L	97
6) Bromomethane	1.87	94	68777	16.710 ug/L	97
8) Chloroethane	1.95	64	77365	18.989 ug/L	97
9) Trichlorofluoromethane	2.16	101	212656	21.747 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	122088	20.491 ug/L	98
12) 1,1-Dichloroethene	2.60	96	119655	19.499 ug/L	88
13) Acetone	2.67	43	219957	203.921 ug/L	97
14) Carbon disulfide	2.82	76	406223	19.350 ug/L	100
15) Methyl Acetate	2.98	43	60351	20.027 ug/L	99
16) Methylene chloride	3.08	84	132766	19.361 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	335299	20.079 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	125474	19.553 ug/L	98
19) 1,1-Dichloroethane	3.91	63	239100	19.937 ug/L	99
21) 2-Butanone	4.75	43	400432	218.374 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	140495	19.539 ug/L	96
23) Bromochloromethane	5.02	128	58894	18.540 ug/L	99
25) Chloroform	5.13	83	239591	18.991 ug/L	97
27) 1,2-Dichloroethane	5.83	62	163159	19.358 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	218060	19.437 ug/L	99
30) Cyclohexane	5.43	56	236921	20.609 ug/L	99
31) Carbon tetrachloride	5.56	117	183073	18.900 ug/L	99
33) Benzene	5.81	78	524539	19.846 ug/L	100
34) Trichloroethene	6.57	95	141298	18.770 ug/L	97
35) Methylcyclohexane	6.79	83	233470	19.596 ug/L	97
37) 1,2-Dichloropropane	6.82	63	141523	20.712 ug/L	100
38) Bromodichloromethane	7.13	83	186410	19.949 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	223922	20.096 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1013481	222.787 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	566099	19.874	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	199288	20.007	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	101260	19.815	ug/L	97
47) Tetrachloroethene	8.58	164	93340	18.000	ug/L	98
48) 2-Hexanone	8.71	43	739204	225.438	ug/L	99
49) Dibromochloromethane	8.83	129	123798	19.629	ug/L	90
50) 1,2-Dibromoethane	8.95	107	100697	20.300	ug/L	93
51) Chlorobenzene	9.47	112	347563	17.662	ug/L	98
52) Ethylbenzene	9.59	91	647465	19.806	ug/L	99
53) m,p-Xylene	9.71	106	239258	19.371	ug/L	94
54) o-Xylene	10.12	106	227278	18.853	ug/L	95
55) Styrene	10.13	104	404652	19.644	ug/L	99
56) Isopropylbenzene	10.50	105	639858	19.922	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	138239	21.192	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	97118	20.433	ug/L	98
61) Bromoform	10.31	173	70797	19.807	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	273612	19.785	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	271050	18.357	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	255292	19.123	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	28399	24.176	ug/L	89
67) 1,3,5-Trichlorobenzene	13.24	180	196290	18.304	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	185348	17.927	ug/L	96
69) Naphthalene	14.11	128	414711	20.663	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	166374	17.894	ug/L	98

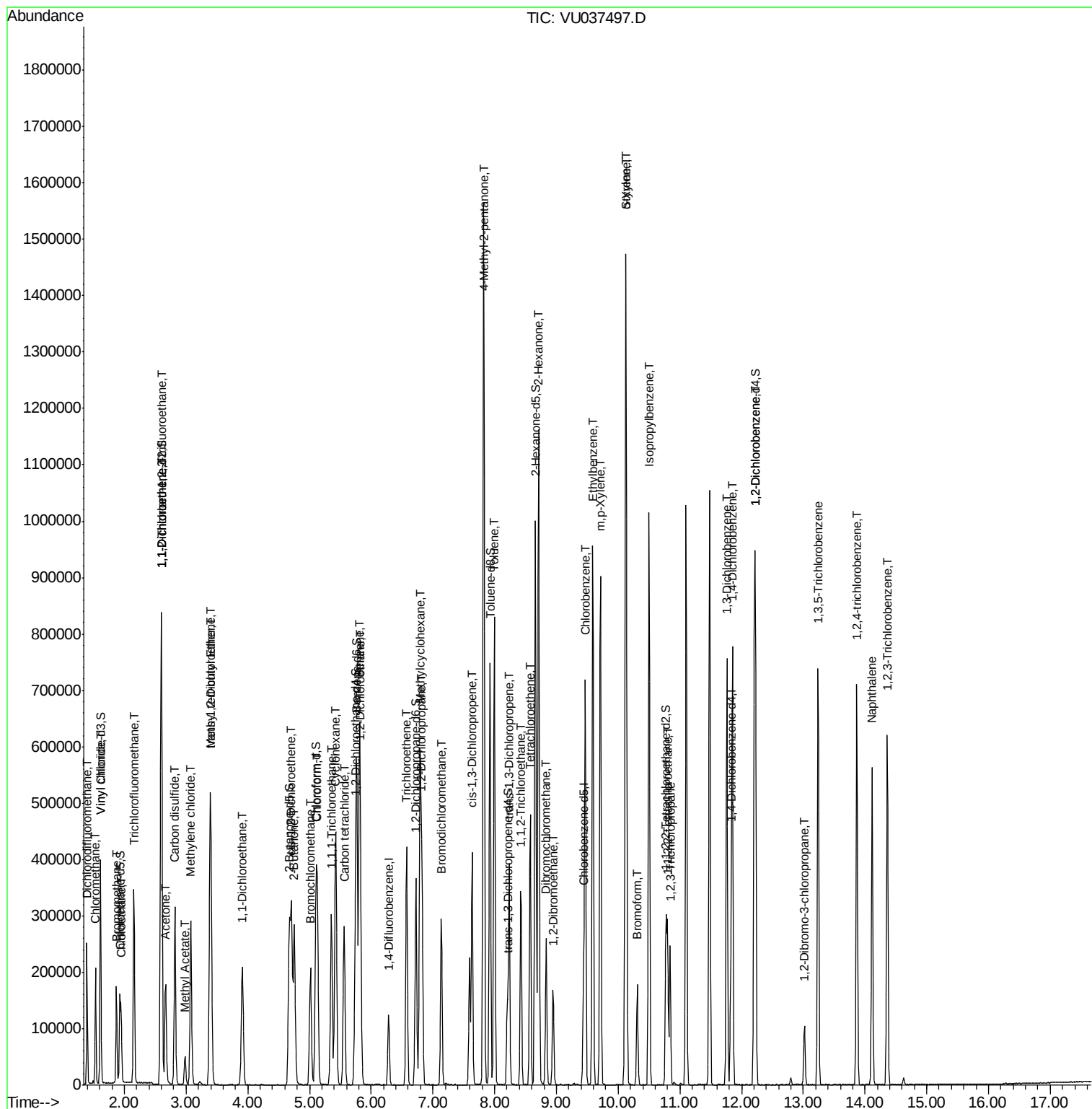
(#) = qualifier out of range (m) = manual integration (+) = signals summed

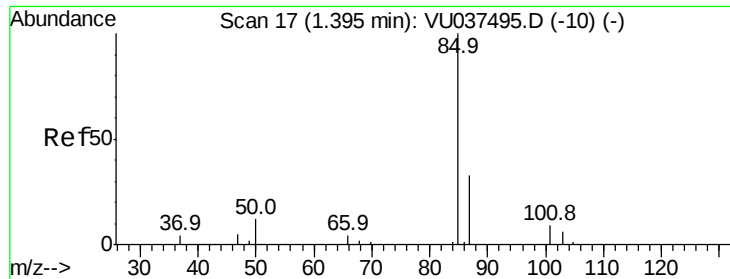
Data File : VU037497.D

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#2

Dichlorodifluoromethane

Concen: 17.879 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

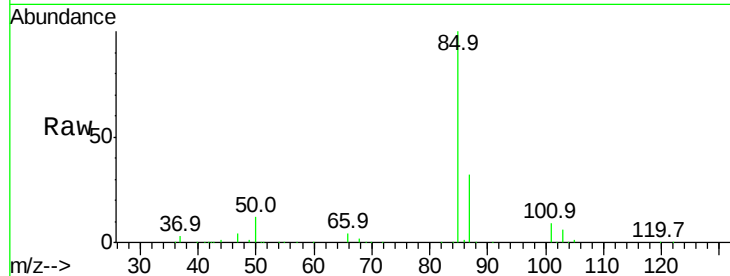
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion: 85 Resp: 139976

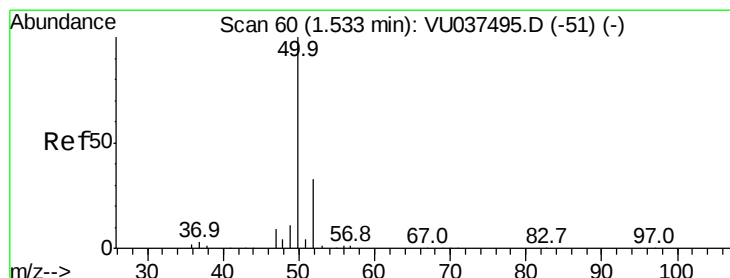
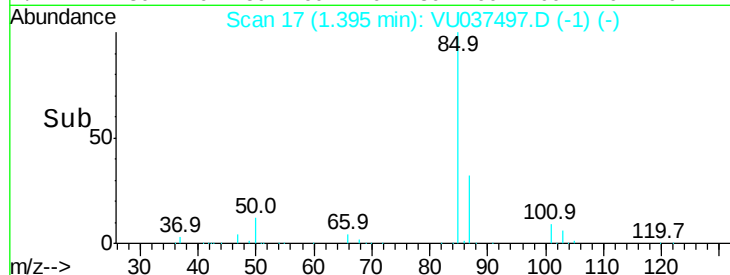
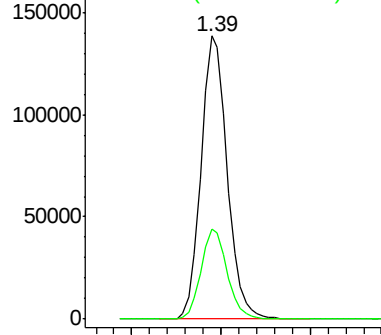
Ion Ratio Lower Upper

85 100

87 31.7 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: 20.084 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037497.D

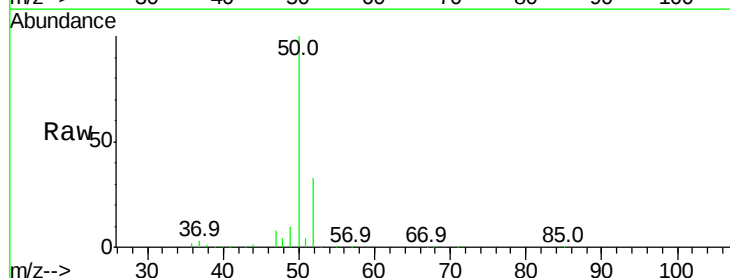
Acq: 31 Mar 2020 13:02

Tgt Ion: 50 Resp: 139372

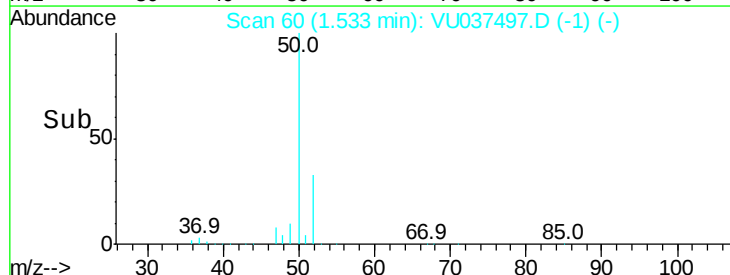
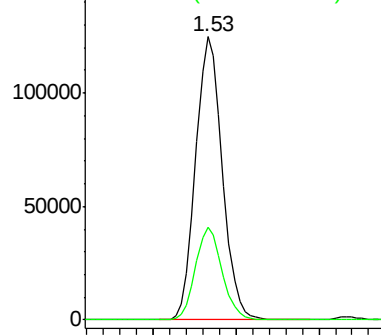
Ion Ratio Lower Upper

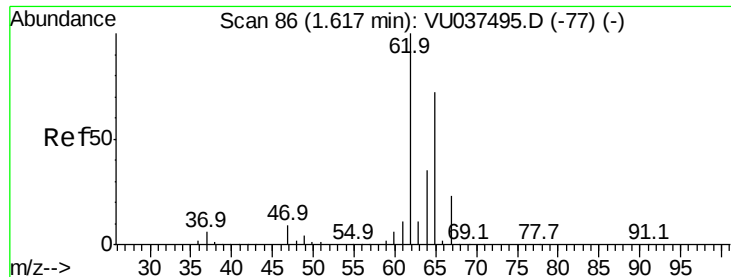
50 100

52 32.5 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: 20.369 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

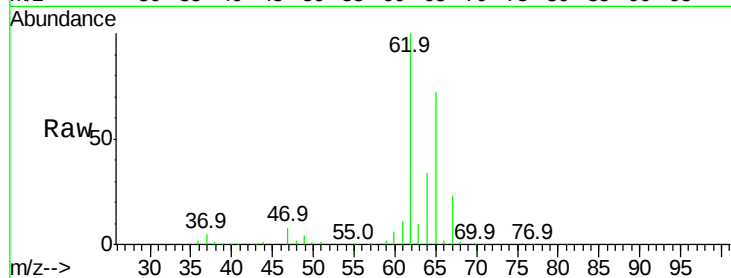
VSTD02001

Tgt Ion: 62 Resp: 148779

Ion Ratio Lower Upper

62 100

64 33.5 24.8 46.0



Abundance Ion 62.00 (61.70 to 62.70): VU037497.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037497.D (-77) (-)

1.62

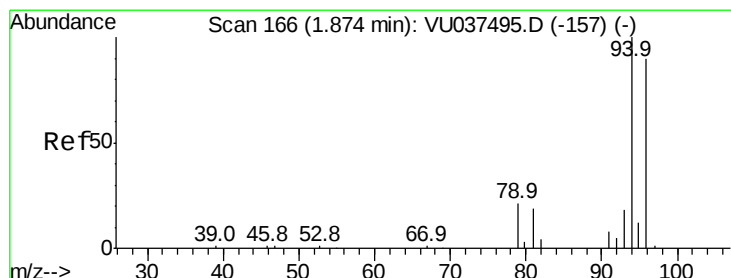
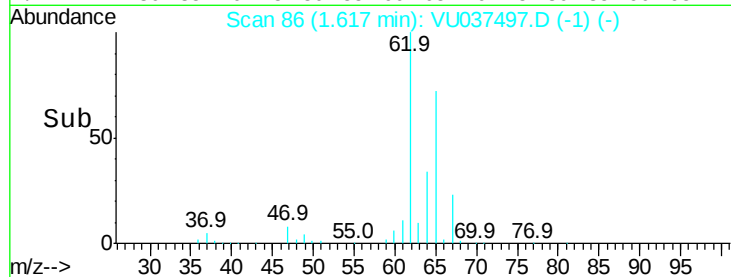
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 16.710 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU037497.D

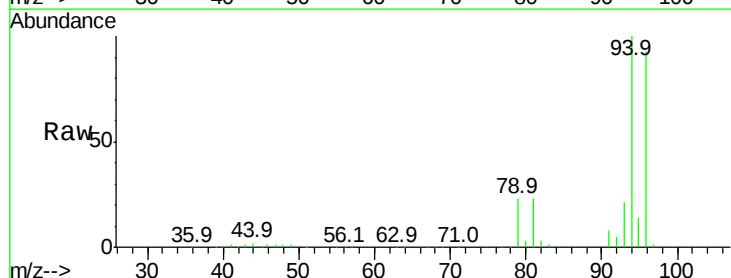
Acq: 31 Mar 2020 13:02

Tgt Ion: 94 Resp: 68777

Ion Ratio Lower Upper

94 100

96 92.9 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU037497.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037497.D (-157) (-)

1.87

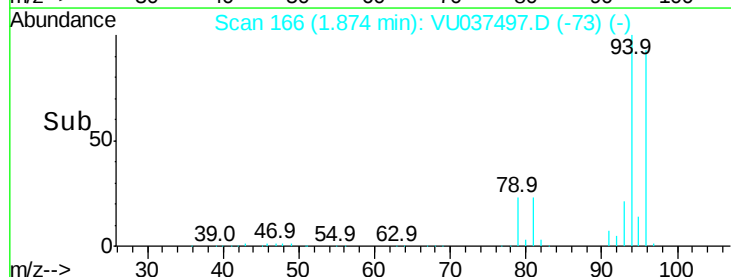
60000

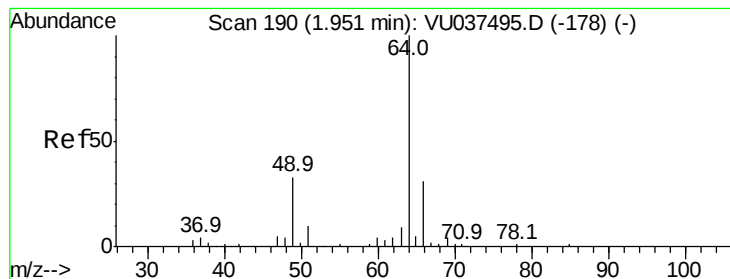
40000

20000

0

Time-->





#8

Chloroethane

Concen: 18.989 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

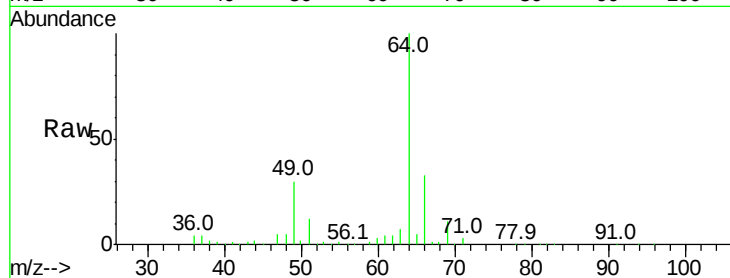
VSTD02001

Tgt Ion: 64 Resp: 77365

Ion Ratio Lower Upper

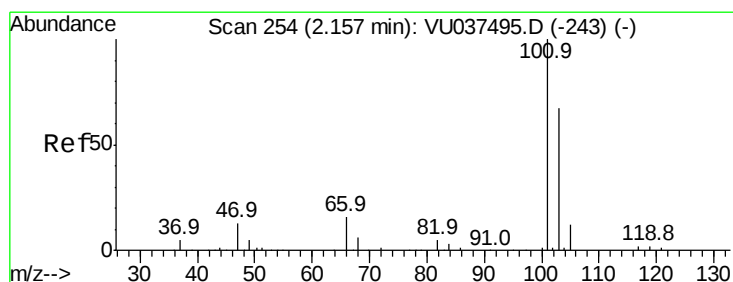
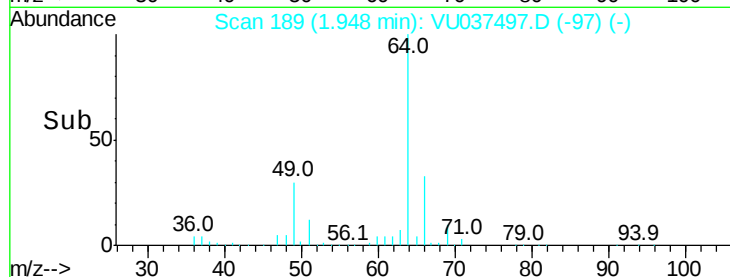
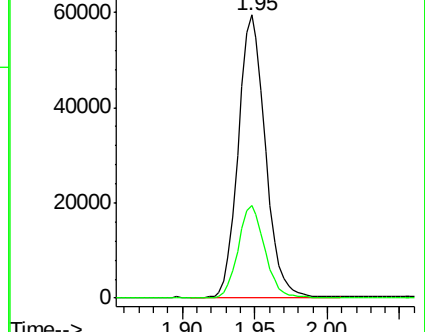
64 100

66 32.7 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: 21.747 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037497.D

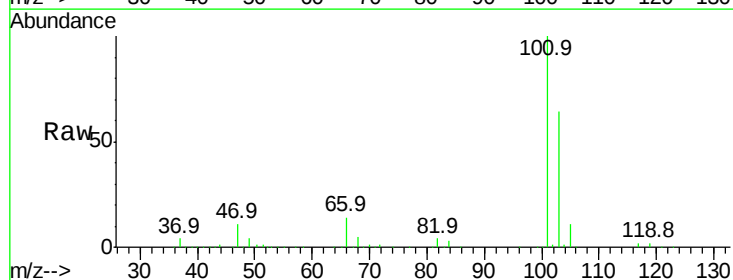
Acq: 31 Mar 2020 13:02

Tgt Ion: 101 Resp: 212656

Ion Ratio Lower Upper

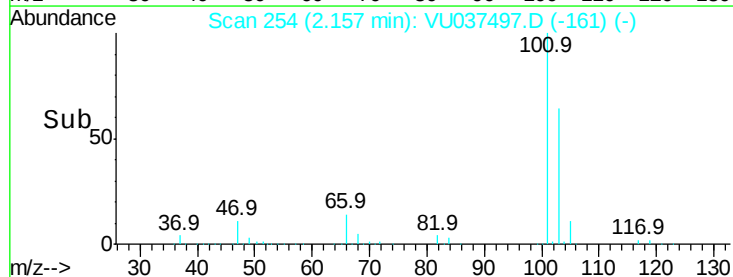
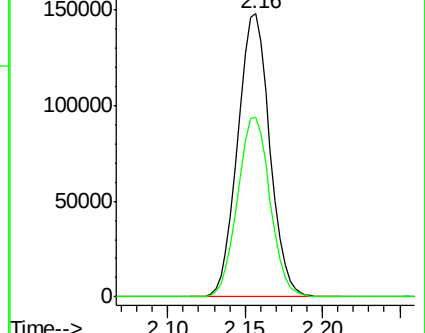
101 100

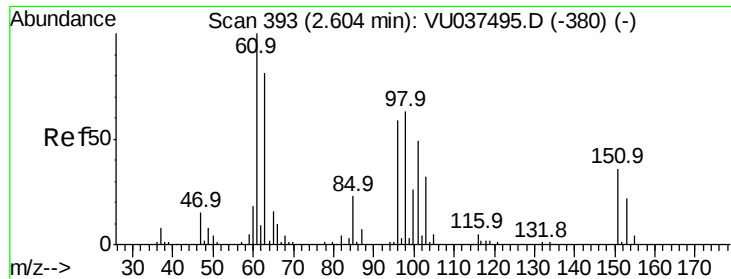
103 64.3 52.3 78.5



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: 20.491 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

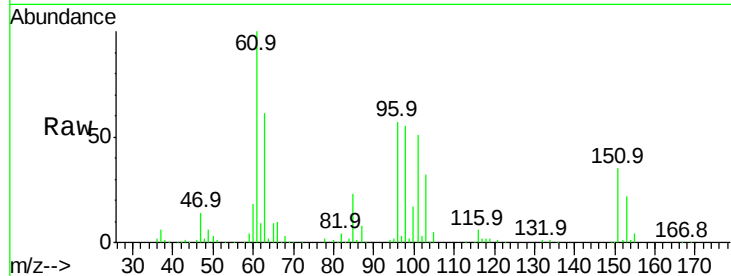
Tgt Ion:101 Resp: 122088

Ion Ratio Lower Upper

101 100

85 46.0 36.6 54.8

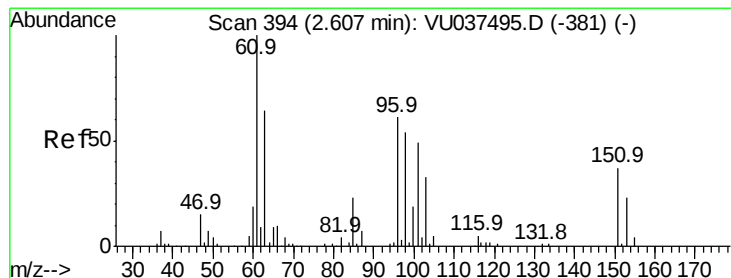
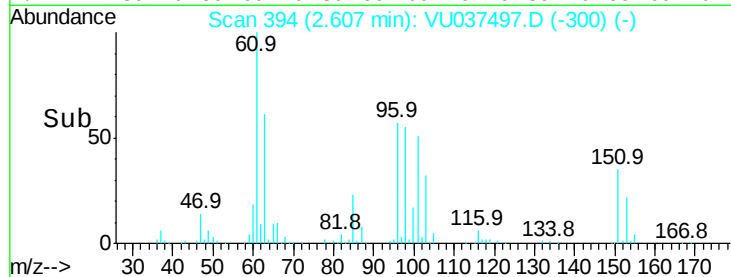
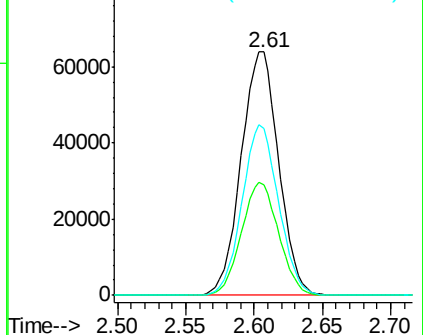
151 68.1 55.9 83.9



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: 19.499 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

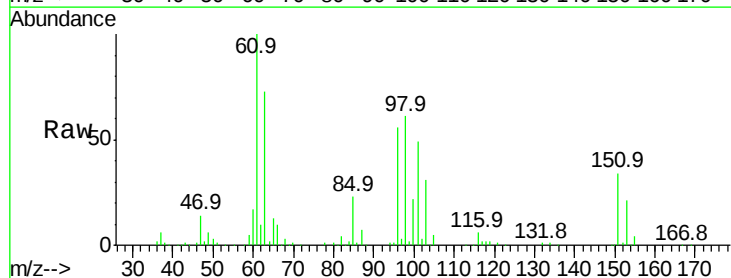
Tgt Ion: 96 Resp: 119655

Ion Ratio Lower Upper

96 100

61 178.5 116.2 215.8

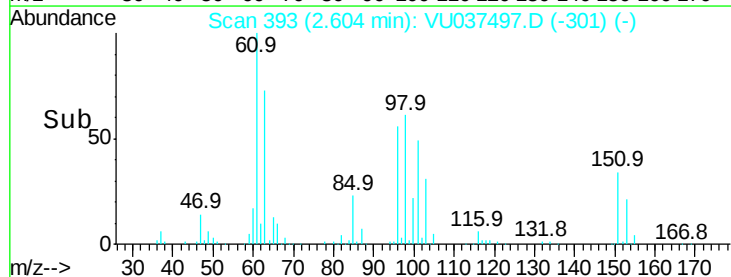
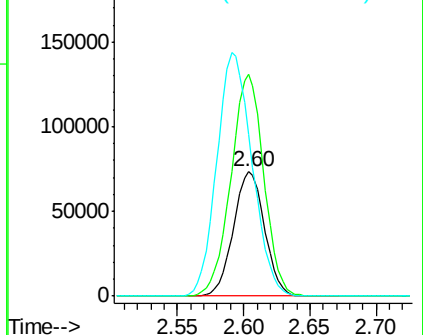
63 129.8 79.2 147.0

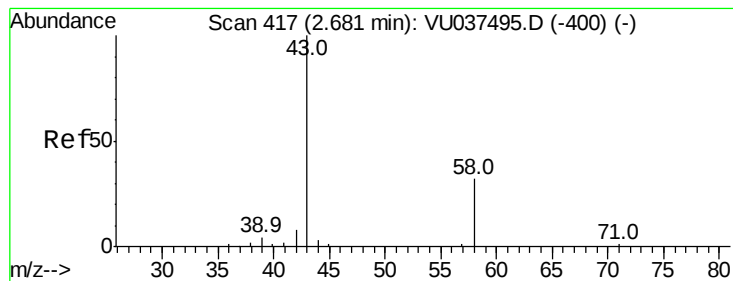


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 203.921 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

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ClientSampleId :

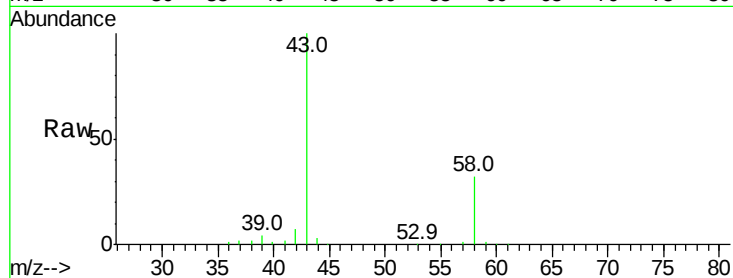
VSTD02001

Tgt Ion: 43 Resp: 219957

Ion Ratio Lower Upper

43 100

58 32.6 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037497.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU037497.D (-324) (-)

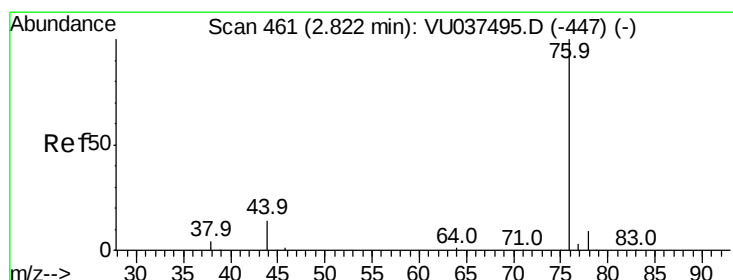
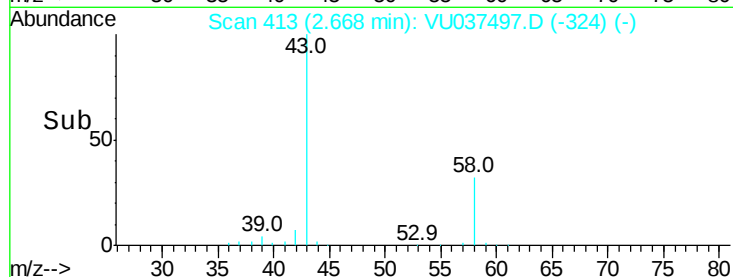
2.67

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 19.350 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037497.D

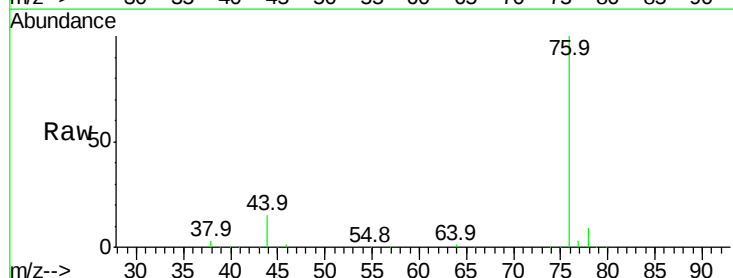
Acq: 31 Mar 2020 13:02

Tgt Ion: 76 Resp: 406223

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU037497.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU037497.D (-368) (-)

2.82

250000

200000

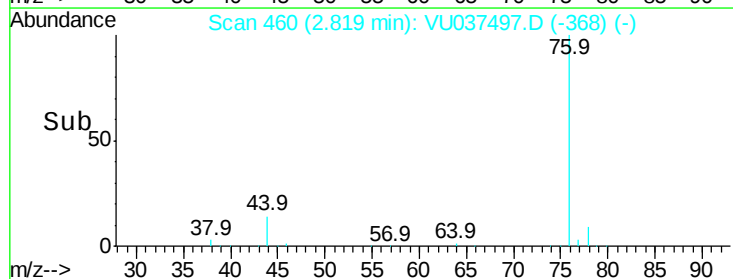
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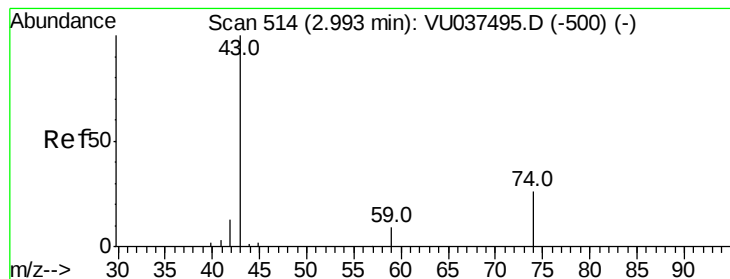
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 20.027 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.01 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

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ClientSampleId :

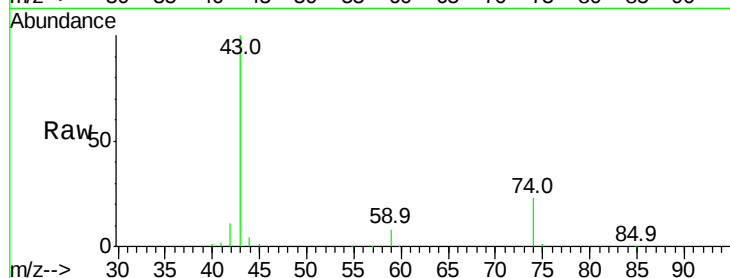
VSTD02001

Tgt Ion: 43 Resp: 60351

Ion Ratio Lower Upper

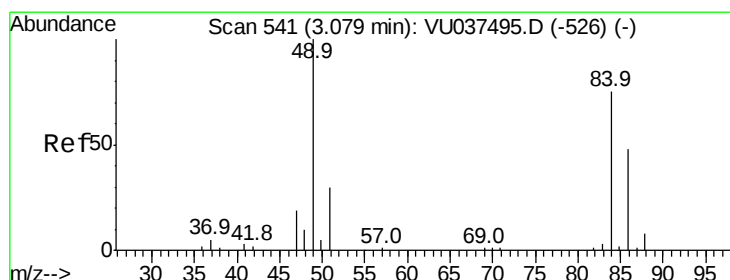
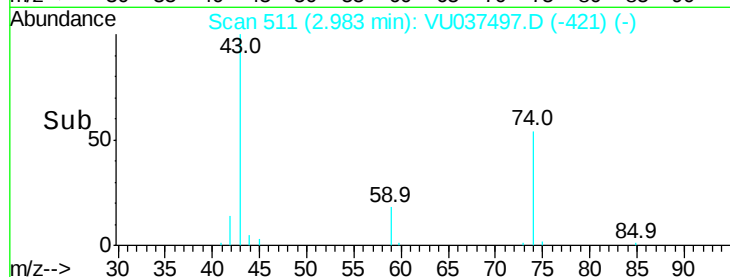
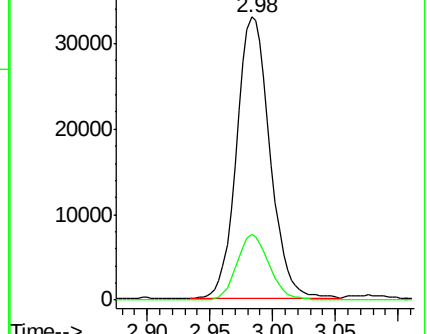
43 100

74 22.7 17.9 26.9



Abundance Ion 43.05 (42.75 to 43.75): VU037497.D (-421) (-)

Ion 74.05 (73.75 to 74.75): VU037497.D (-421) (-)



#16

Methylene chloride

Concen: 19.361 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

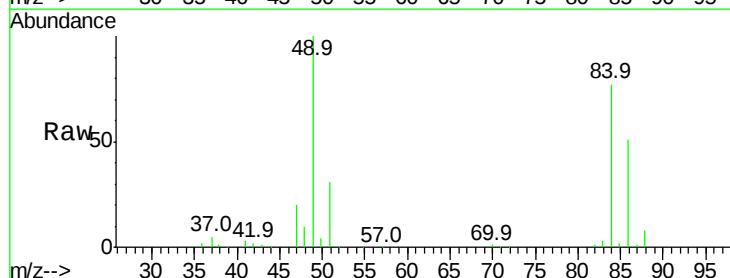
Tgt Ion: 84 Resp: 132766

Ion Ratio Lower Upper

84 100

86 66.0 44.7 82.9

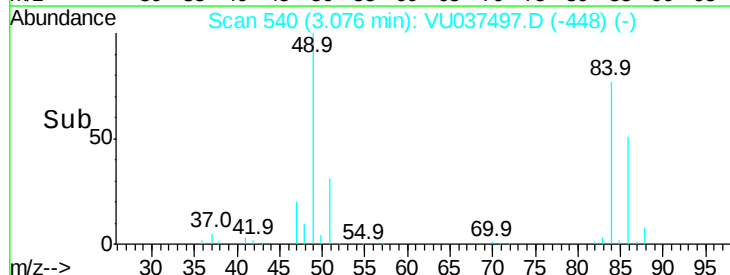
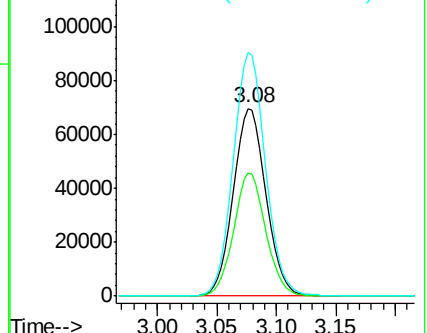
49 129.7 92.7 172.3

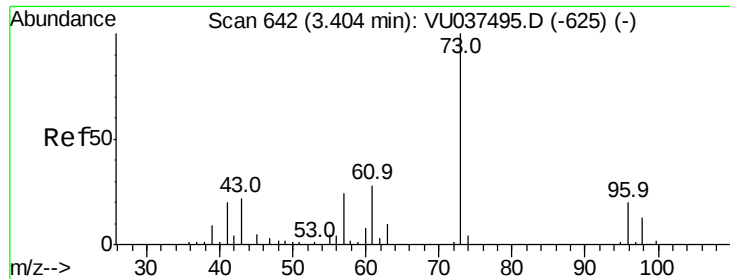


Abundance Ion 84.05 (83.75 to 84.75): VU037497.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU037497.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU037497.D (-448) (-)

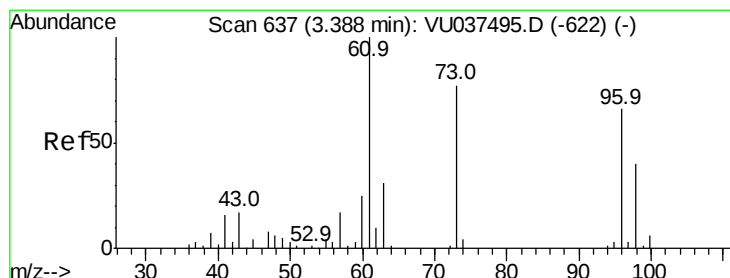
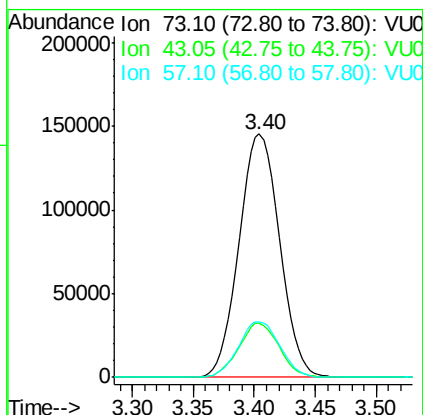
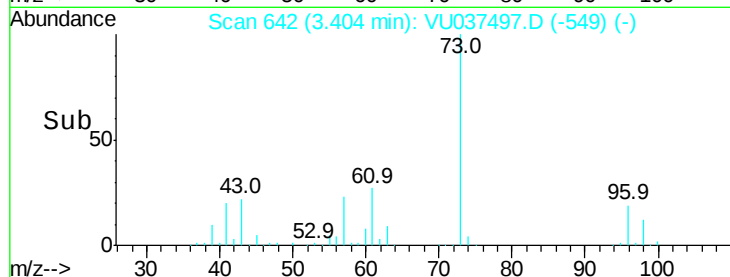
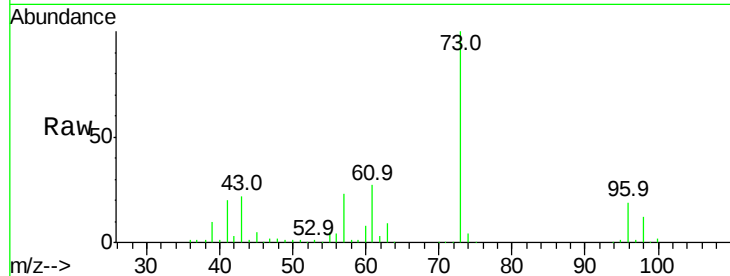




#17
Methyl tert-butyl Ether
Concen: 20.079 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

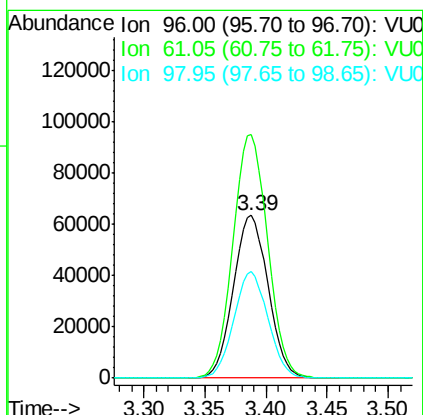
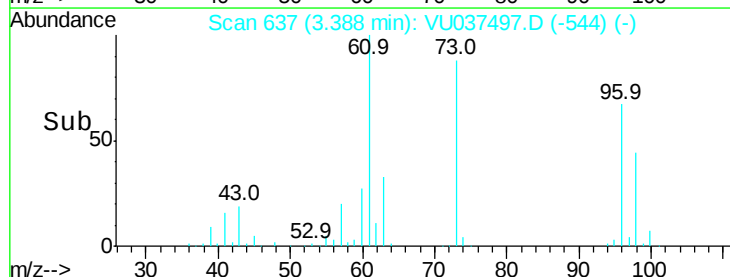
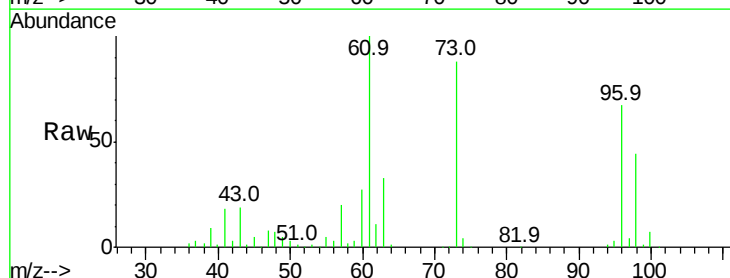
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

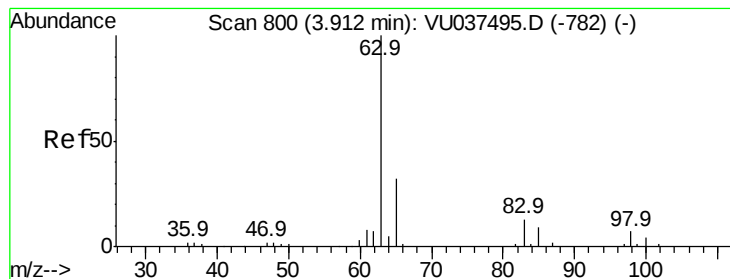
Tgt Ion: 73 Resp: 335299
Ion Ratio Lower Upper
73 100
43 21.9 17.4 26.2
57 23.3 19.3 28.9



#18
trans-1,2-Dichloroethene
Concen: 19.553 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

Tgt Ion: 96 Resp: 125474
Ion Ratio Lower Upper
96 100
61 149.8 105.3 195.6
98 65.7 42.3 78.5





#19

1,1-Dichloroethane

Concen: 19.937 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

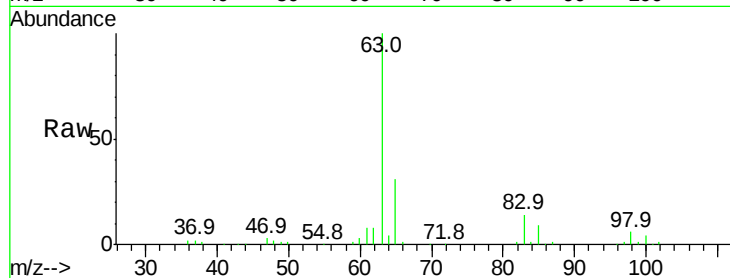
Tgt Ion: 63 Resp: 239100

Ion Ratio Lower Upper

63 100

65 31.2 22.3 41.5

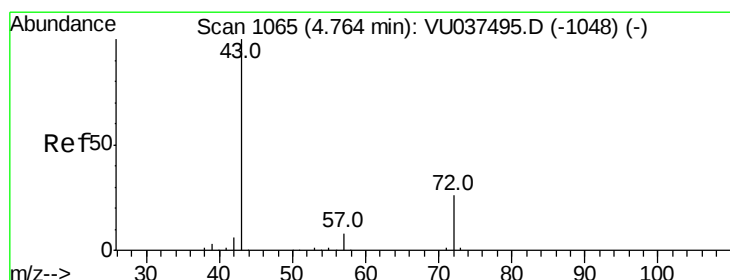
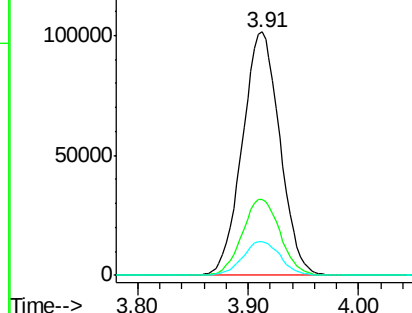
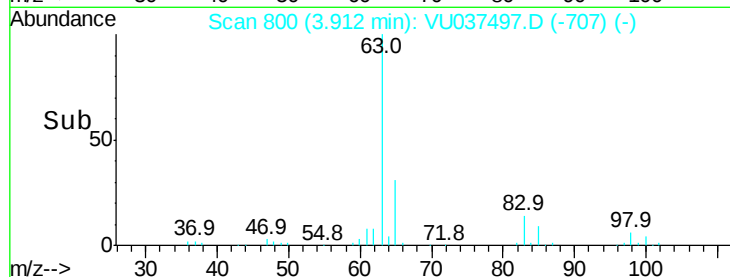
83 13.9 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VU037497.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU037497.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU037497.D (-707) (-)



#21

2-Butanone

Concen: 218.374 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. -0.01 min

Lab File: VU037497.D

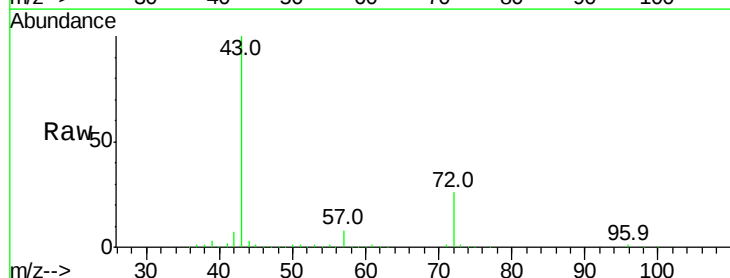
Acq: 31 Mar 2020 13:02

Tgt Ion: 43 Resp: 400432

Ion Ratio Lower Upper

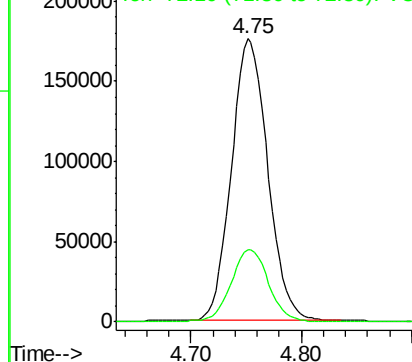
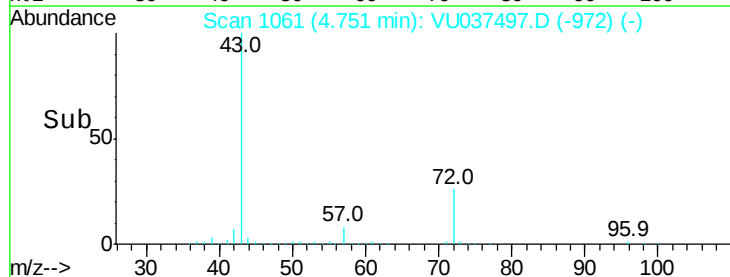
43 100

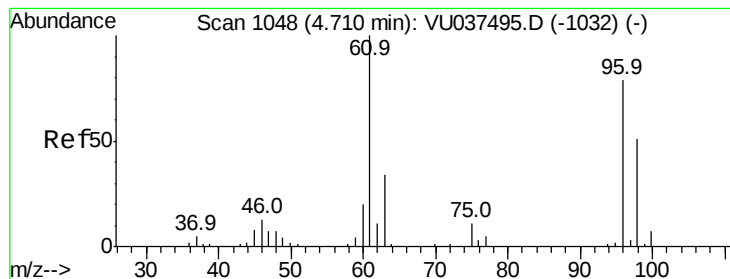
72 26.8 13.7 41.0



Abundance Ion 43.05 (42.75 to 43.75): VU037497.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU037497.D (-972) (-)





#22

cis-1,2-Dichloroethene

Concen: 19.539 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampled :

VSTD02001

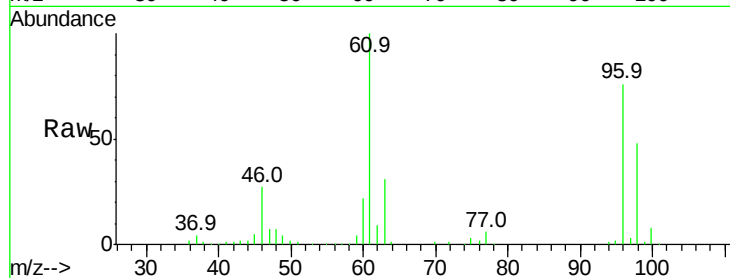
Tgt Ion: 96 Resp: 140495

Ion Ratio Lower Upper

96 100

61 131.4 89.1 165.5

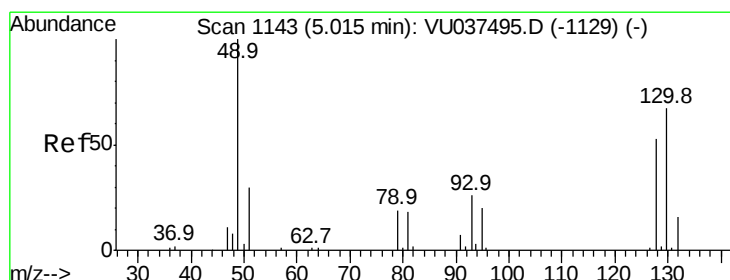
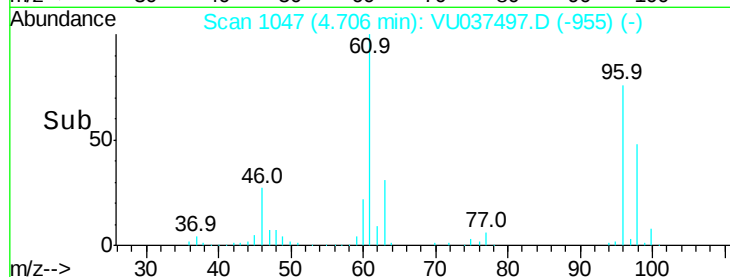
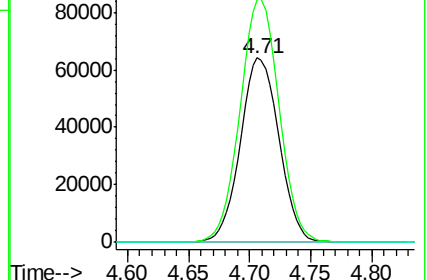
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037497.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU037497.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU037497.D (-1032) (-)



#23

Bromochloromethane

Concen: 18.540 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Tgt Ion: 128 Resp: 58894

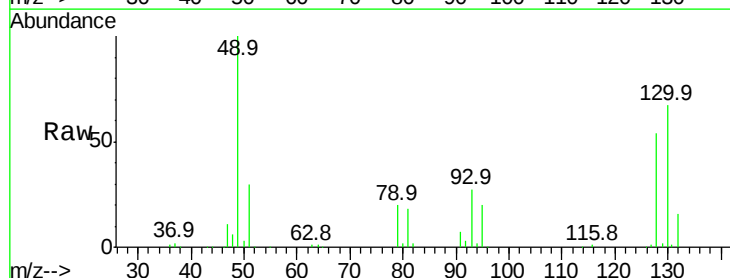
Ion Ratio Lower Upper

128 100

49 186.9 132.4 245.8

130 125.8 88.6 164.6

51 55.7 45.4 68.0

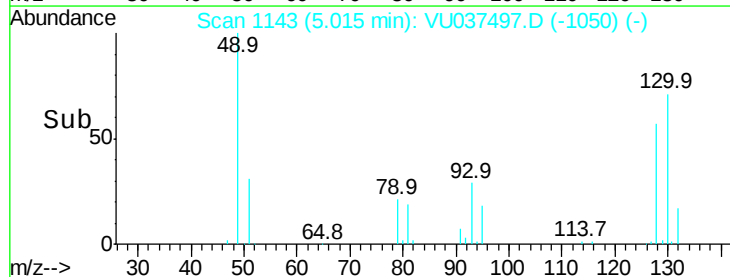
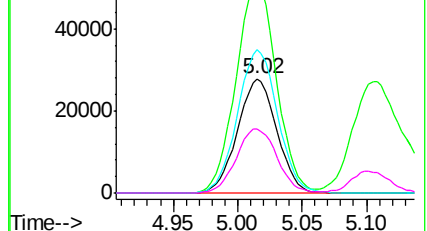


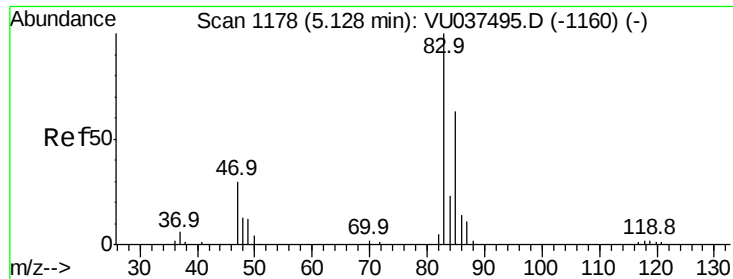
Abundance Ion 127.90 (127.60 to 128.60): VU037497.D (-1129) (-)

Ion 49.10 (48.80 to 49.80): VU037497.D (-1129) (-)

Ion 129.95 (129.65 to 130.65): VU037497.D (-1129) (-)

Ion 51.05 (50.75 to 51.75): VU037497.D (-1129) (-)

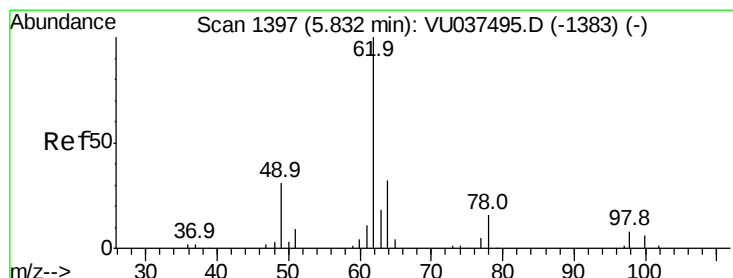
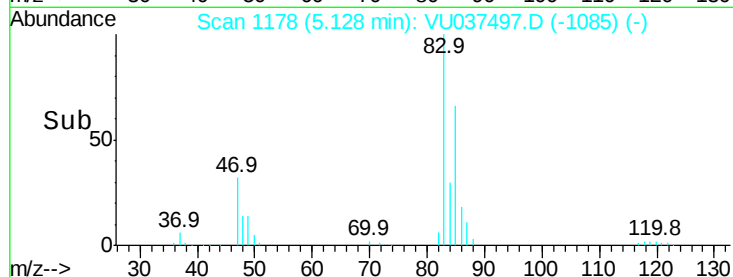
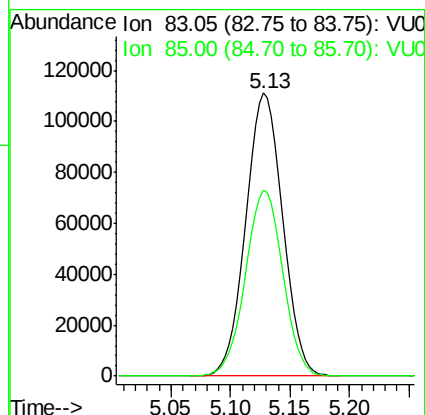
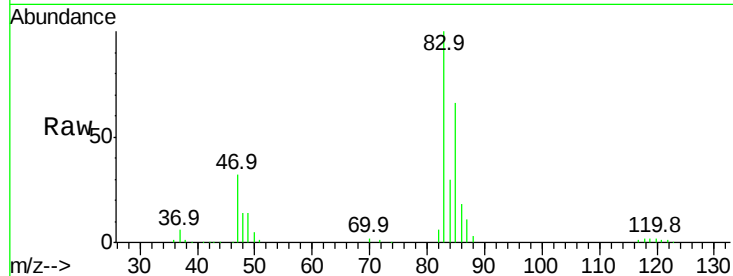




#25
Chloroform
Concen: 18.991 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

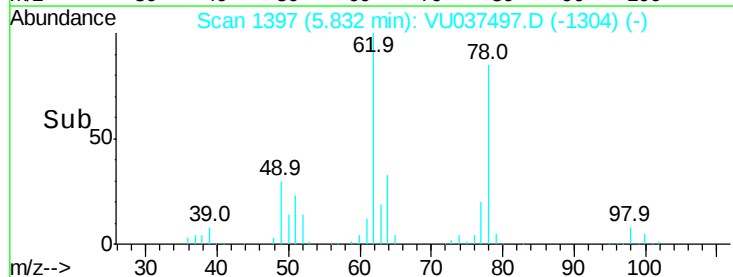
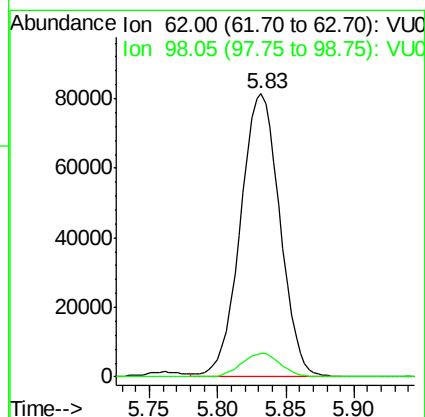
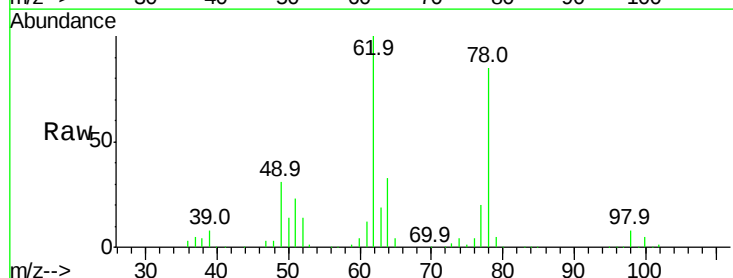
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

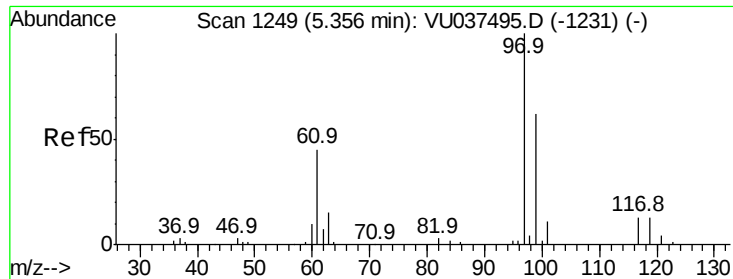
Tgt Ion: 83 Resp: 239591
Ion Ratio Lower Upper
83 100
85 65.7 44.1 81.9



#27
1,2-Dichloroethane
Concen: 19.358 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

Tgt Ion: 62 Resp: 163159
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5

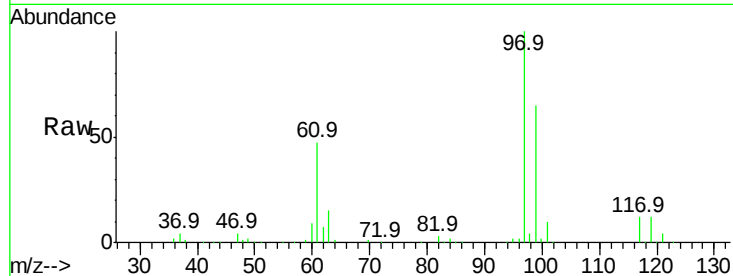




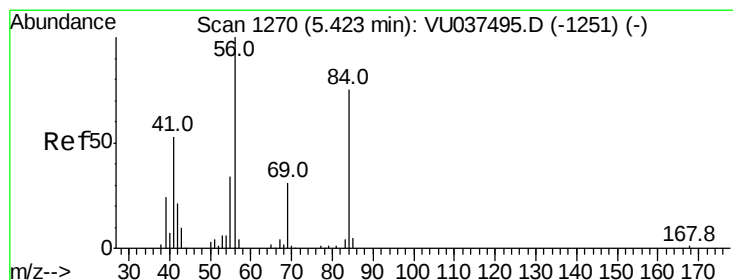
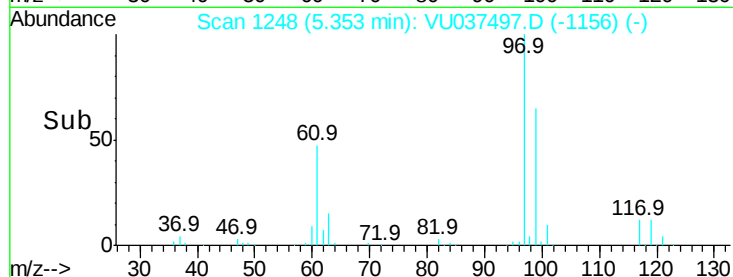
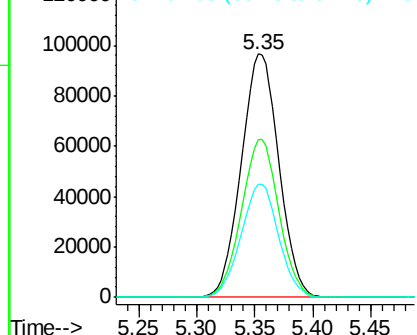
#29
1,1,1-Trichloroethane
Concen: 19.437 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion: 97 Resp: 218060
Ion Ratio Lower Upper
97 100
99 64.4 50.9 76.3
61 46.4 36.5 54.7

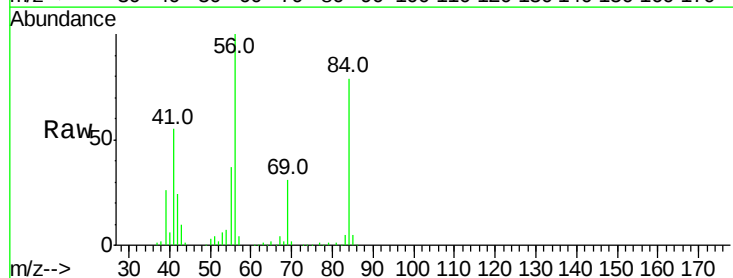


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

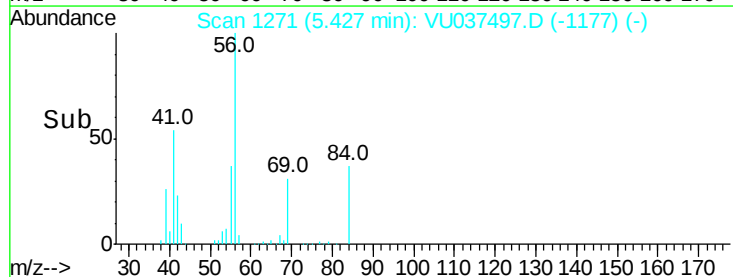
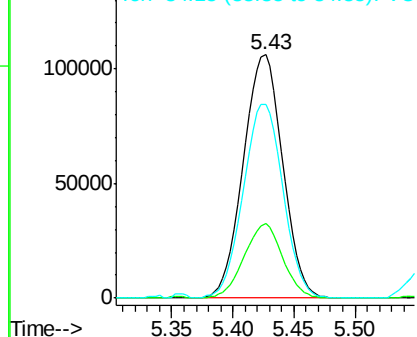


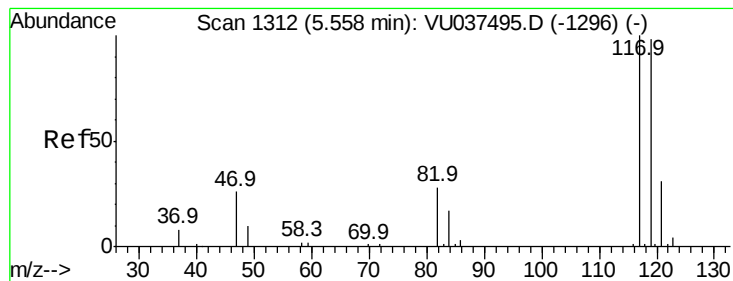
#30
Cyclohexane
Concen: 20.609 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

Tgt Ion: 56 Resp: 236921
Ion Ratio Lower Upper
56 100
69 29.9 24.4 36.6
84 80.4 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: 18.900 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

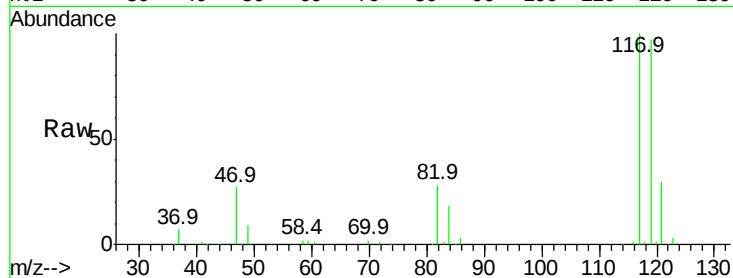
VSTD02001

Tgt Ion:117 Resp: 183073

Ion Ratio Lower Upper

117 100

119 96.3 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

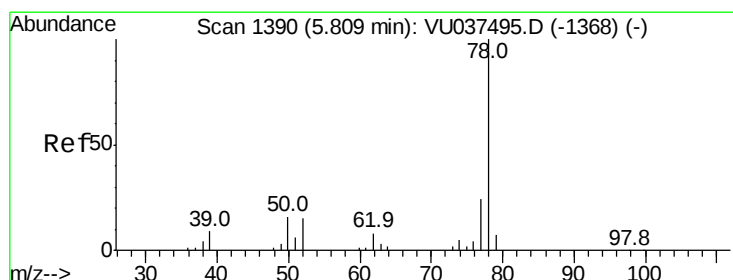
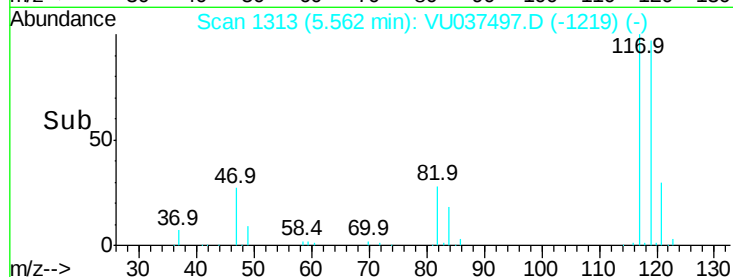
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 19.846 ug/L

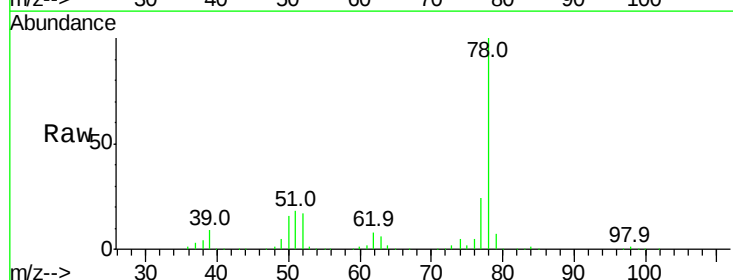
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Tgt Ion: 78 Resp: 524539



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

300000

250000

200000

150000

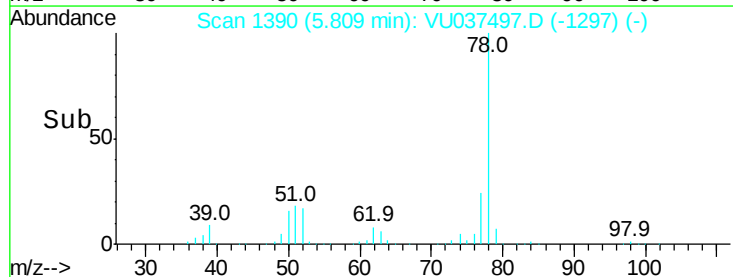
100000

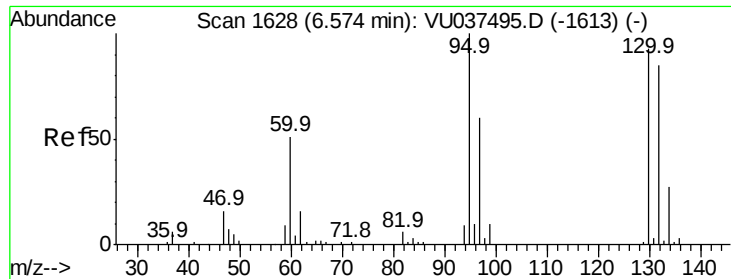
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 18.770 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

Tgt Ion: 95 Resp: 141298

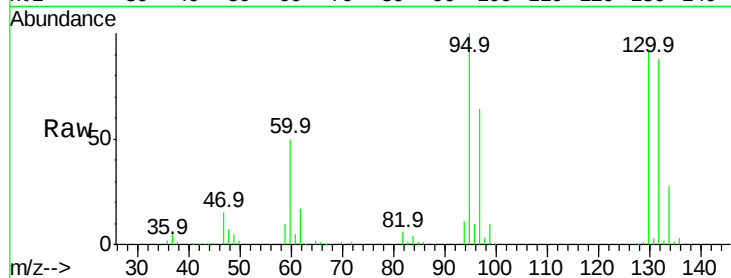
Ion Ratio Lower Upper

95 100

97 64.3 41.8 77.6

132 88.3 59.8 111.0

130 91.9 65.0 120.8

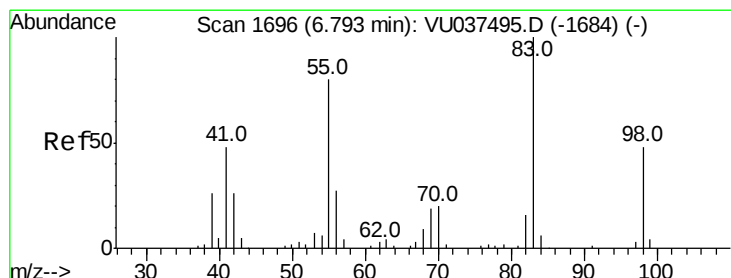
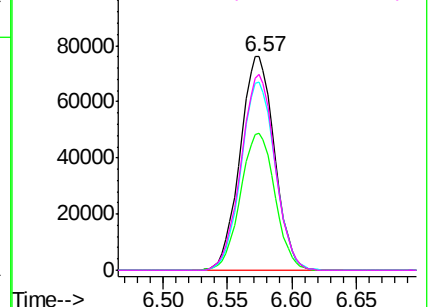
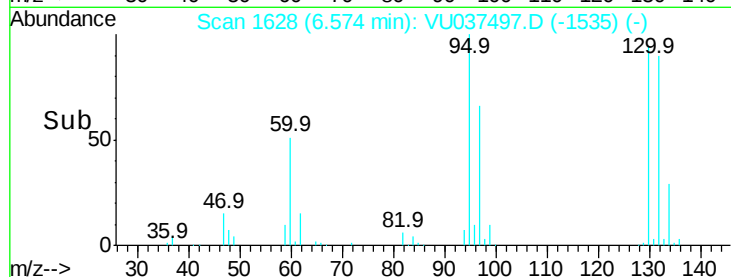


Abundance Ion 95.00 (94.70 to 95.70): VU037497.D (-1535) (-)

Ion 96.95 (96.65 to 97.65): VU037497.D (-1535) (-)

Ion 131.95 (131.65 to 132.65): VU037497.D (-1535) (-)

Ion 129.95 (129.65 to 130.65): VU037497.D (-1535) (-)



#35

Methylcyclohexane

Concen: 19.596 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

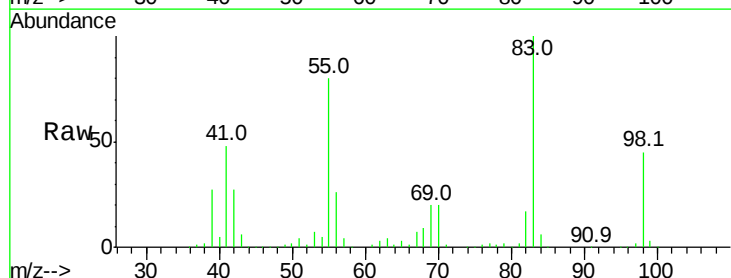
Tgt Ion: 83 Resp: 233470

Ion Ratio Lower Upper

83 100

55 79.4 64.4 96.6

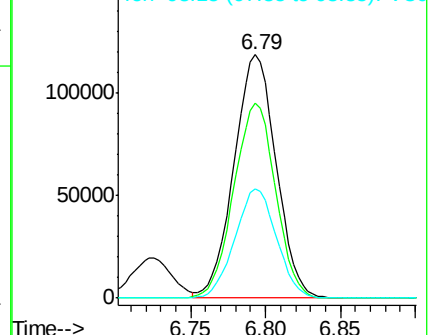
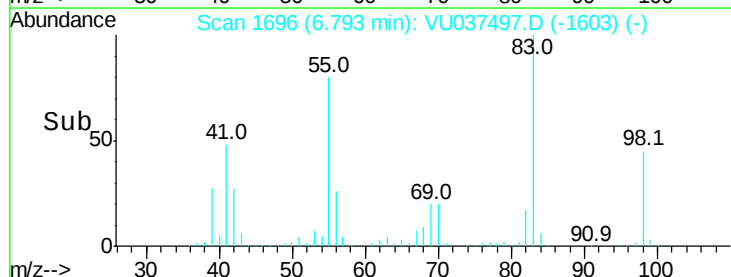
98 44.3 38.2 57.2

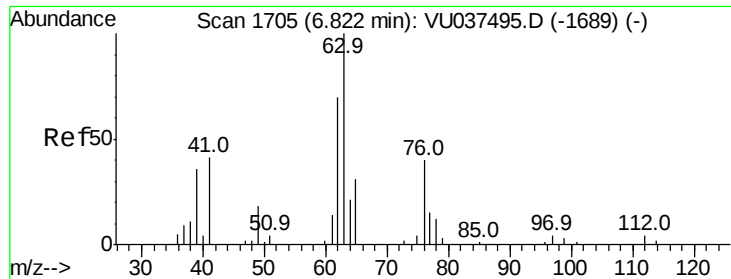


Abundance Ion 83.15 (82.85 to 83.85): VU037497.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU037497.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU037497.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 20.712 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

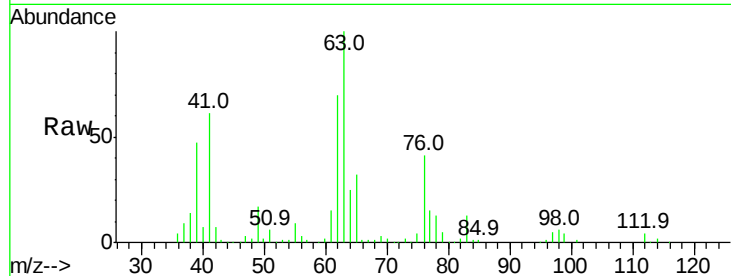
VSTD02001

Tgt Ion: 63 Resp: 141523

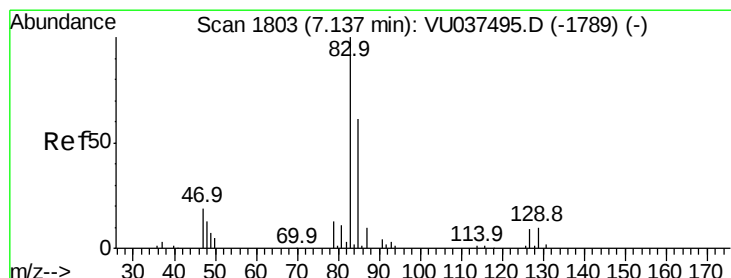
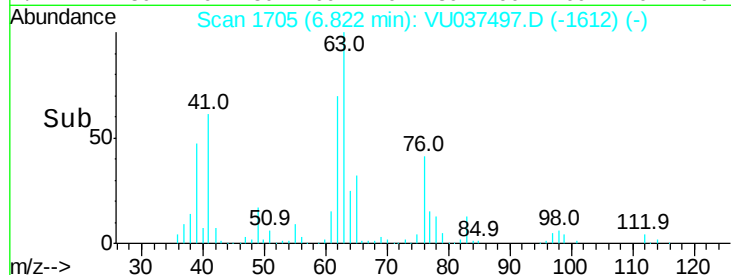
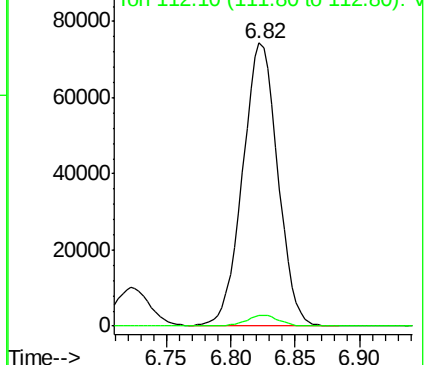
Ion Ratio Lower Upper

63 100

112 3.6 2.8 4.2



Abundance Ion 63.10 (62.80 to 63.80): VU037497.D (-1612) (-)



#38

Bromodichloromethane

Concen: 19.949 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

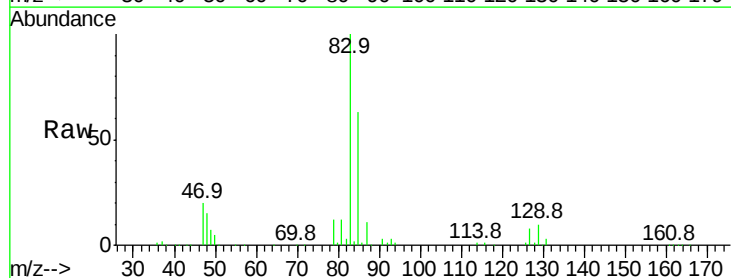
Tgt Ion: 83 Resp: 186410

Ion Ratio Lower Upper

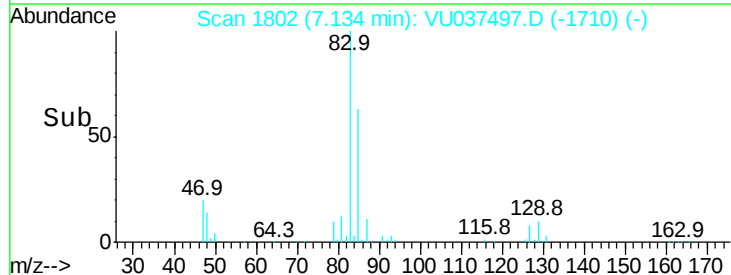
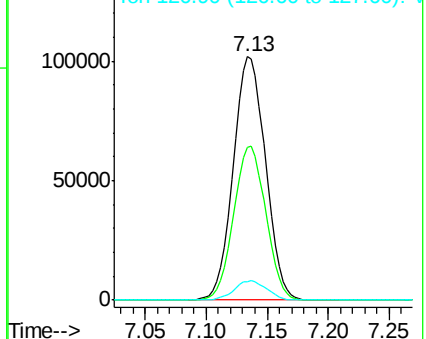
83 100

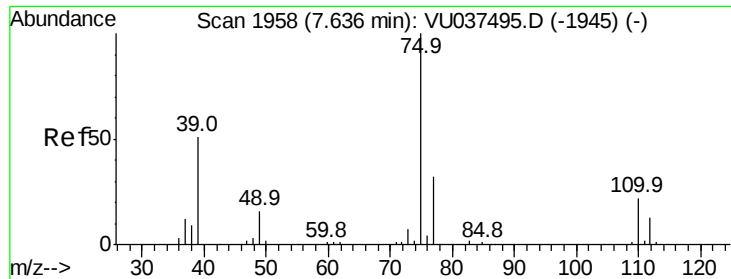
85 62.9 42.7 79.3

127 7.8 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VU037497.D (-1710) (-)

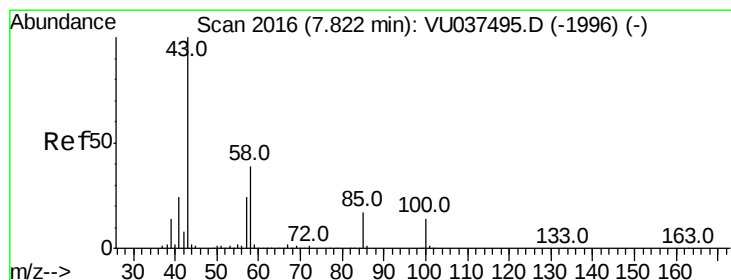
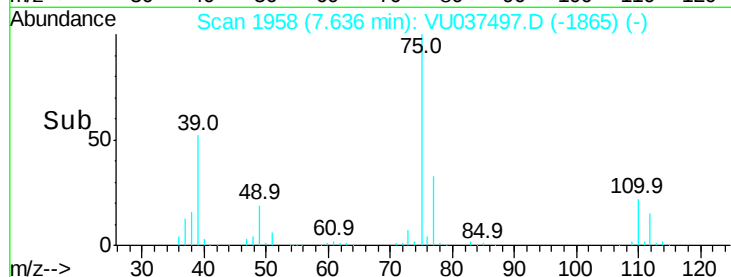
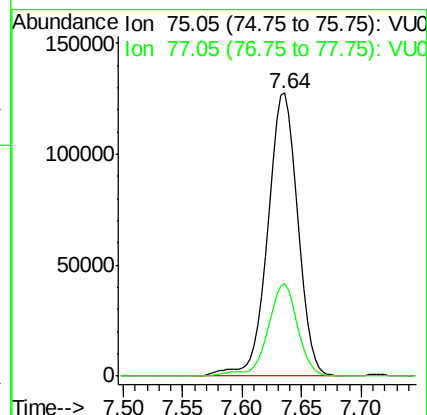
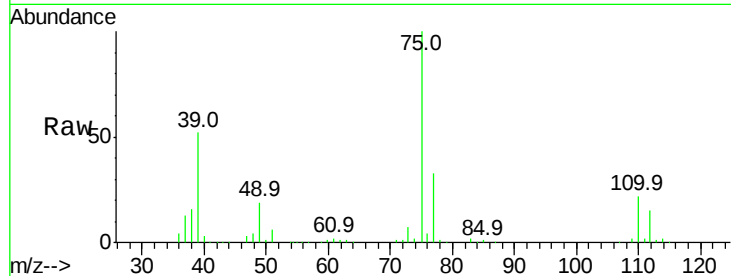




#39
 cis-1,3-Dichloropropene
 Concen: 20.096 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037497.D
 Acq: 31 Mar 2020 13:02

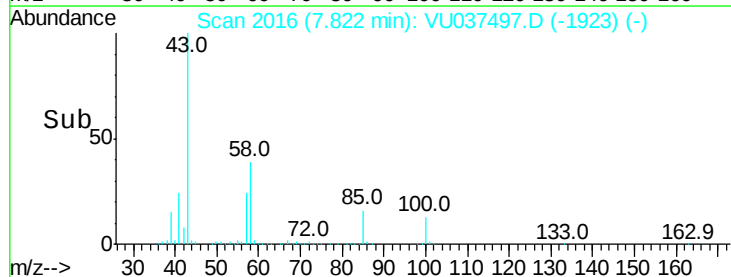
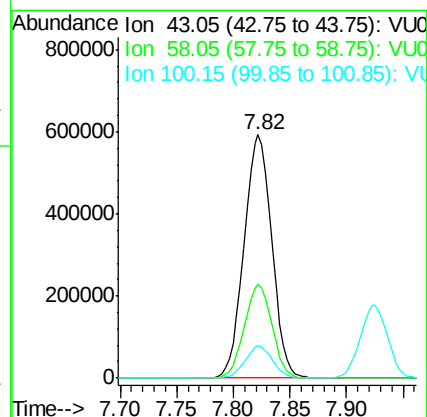
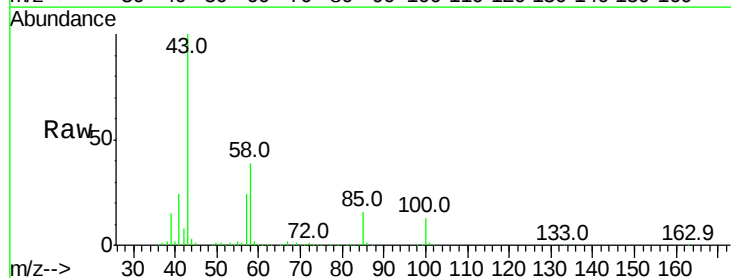
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

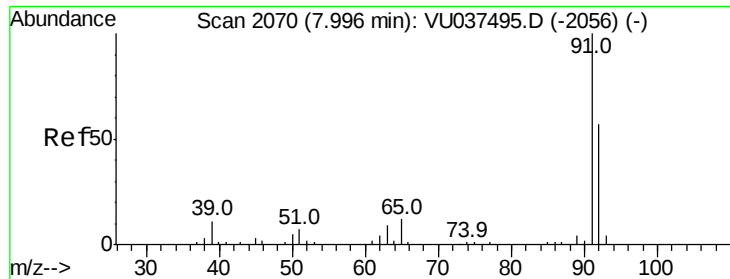
Tgt Ion: 75 Resp: 223922
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 222.787 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU037497.D
 Acq: 31 Mar 2020 13:02

Tgt Ion: 43 Resp: 1013481
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.2 46.8
 100 13.1 10.9 16.3





#42

Toluene

Concen: 19.874 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

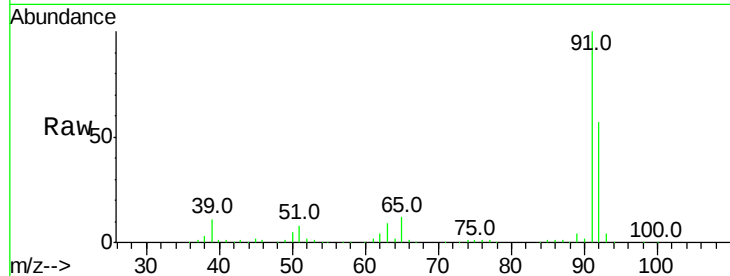
VSTD02001

Tgt Ion: 91 Resp: 566099

Ion Ratio Lower Upper

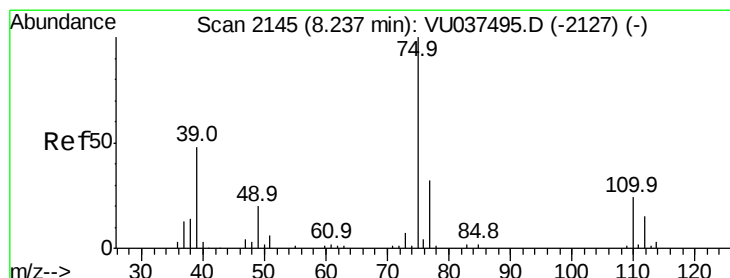
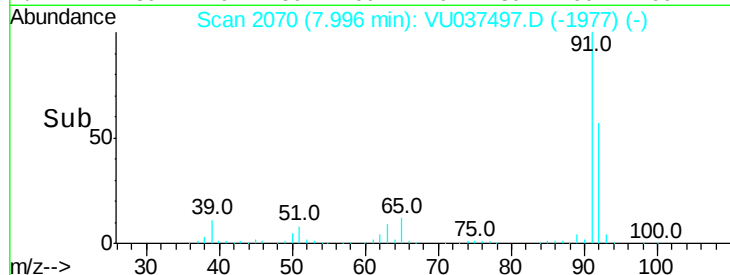
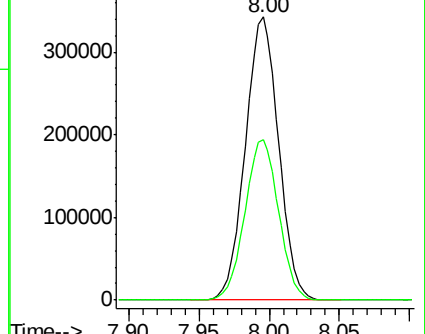
91 100

92 56.8 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU037497.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU037497.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 20.007 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037497.D

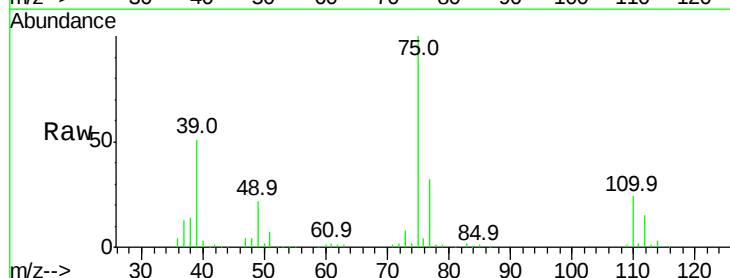
Acq: 31 Mar 2020 13:02

Tgt Ion: 75 Resp: 199288

Ion Ratio Lower Upper

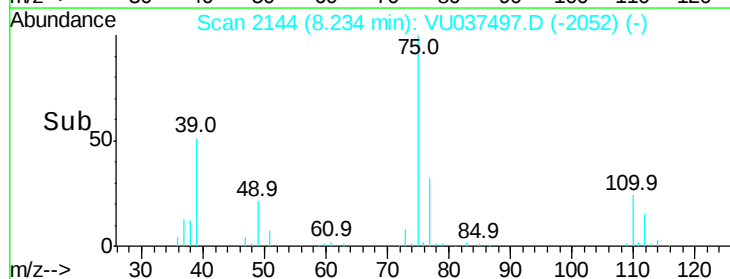
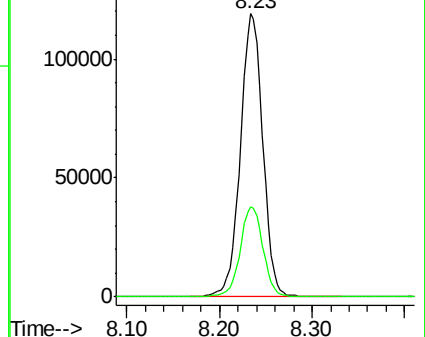
75 100

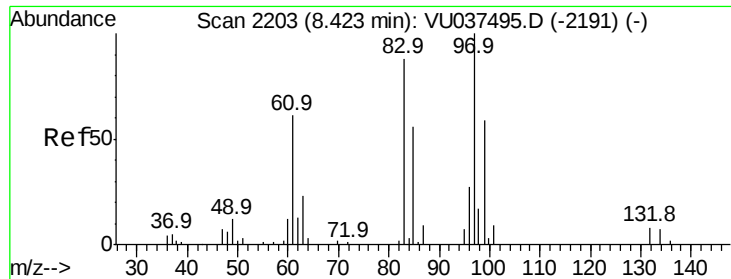
77 31.7 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037497.D (-2052) (-)

Ion 77.05 (76.75 to 77.75): VU037497.D (-2052) (-)

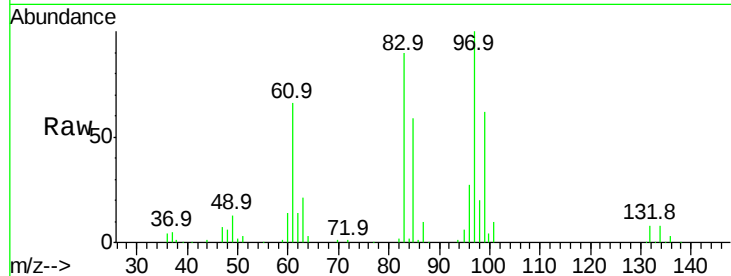




#45
 1,1,2-Trichloroethane
 Concen: 19.815 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037497.D
 Acq: 31 Mar 2020 13:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion:	97	Resp:	101260
Ion	Ratio	Lower	Upper
97	100		
99	62.3	41.6	77.2
83	89.7	61.5	114.1
85	59.3	39.3	73.1

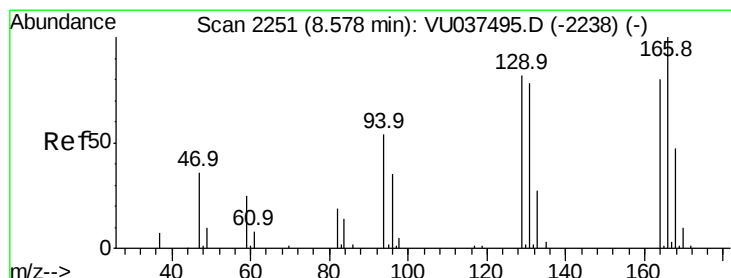
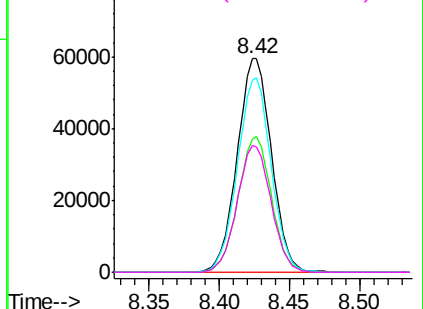
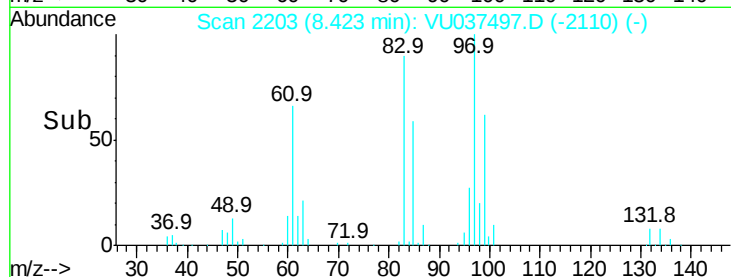


Abundance Ion 96.95 (96.65 to 97.65): VU037497.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU037497.D (-2110) (-)

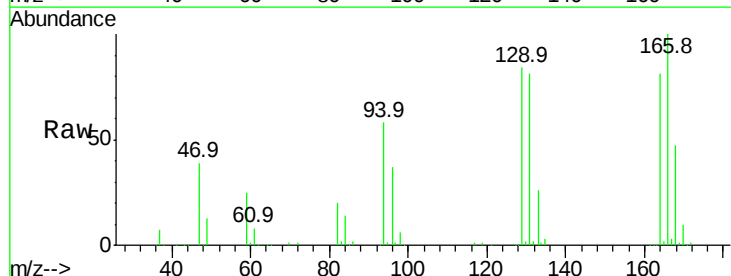
Ion 82.95 (82.65 to 83.65): VU037497.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037497.D (-2110) (-)



#47
 Tetrachloroethene
 Concen: 18.000 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037497.D
 Acq: 31 Mar 2020 13:02

Tgt Ion:	164	Resp:	93340
Ion	Ratio	Lower	Upper
164	100		
129	104.1	71.3	132.3
131	100.2	67.9	126.1
166	123.4	87.0	161.6

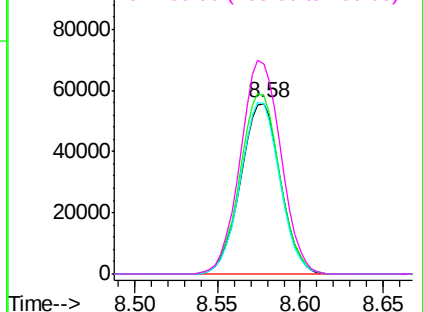
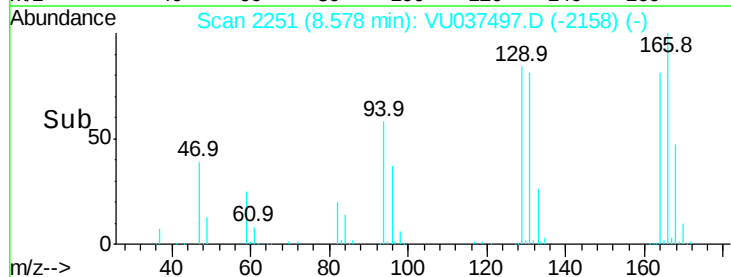


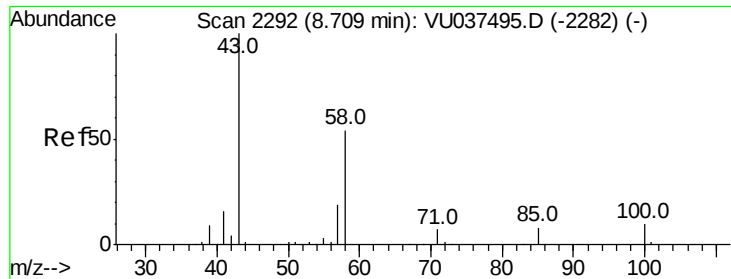
Abundance Ion 163.90 (163.60 to 164.60): VU037497.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU037497.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU037497.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU037497.D (-2158) (-)

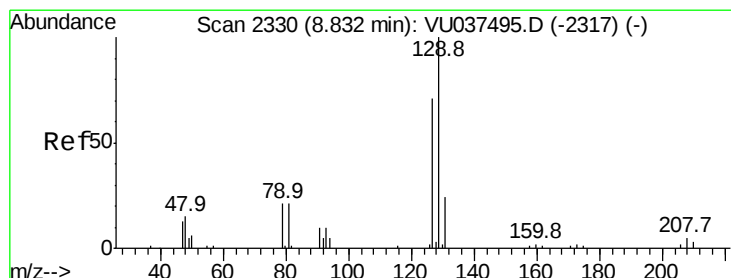
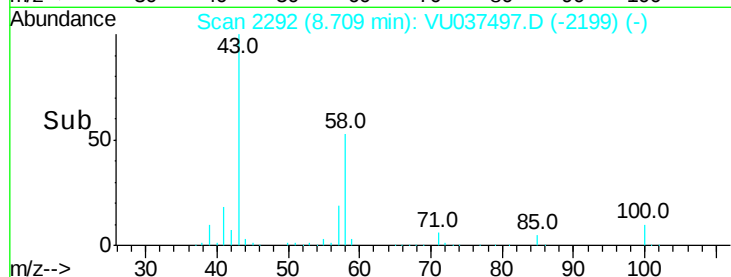
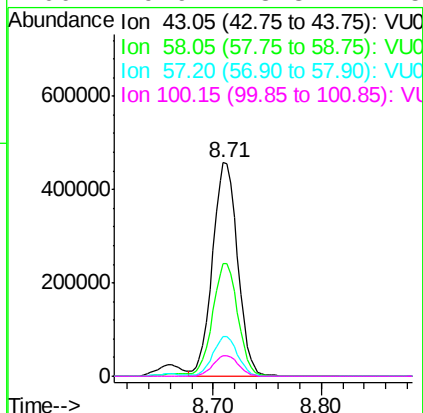
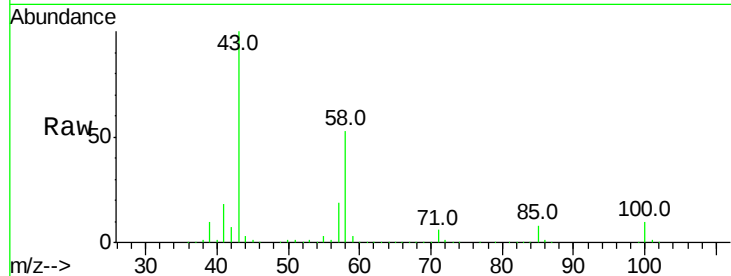




#48
2-Hexanone
Concen: 225.438 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

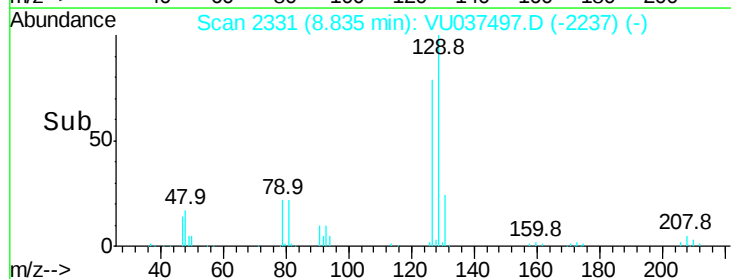
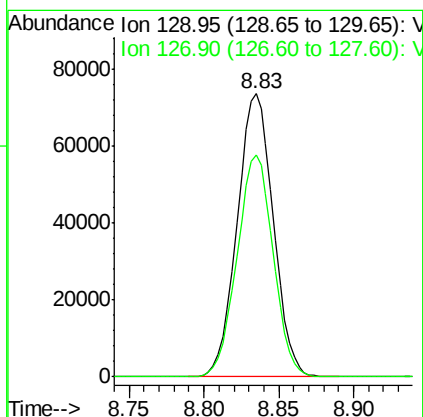
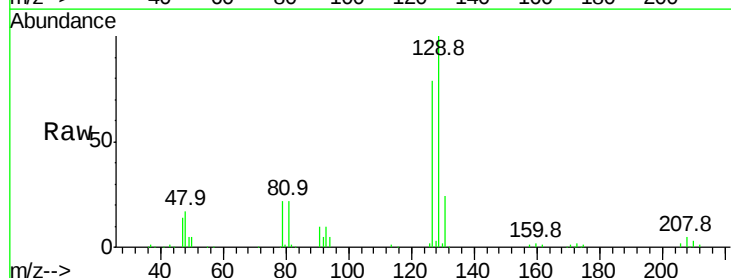
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

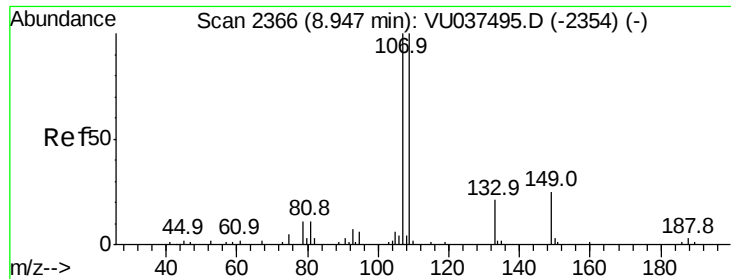
Tgt Ion: 43 Resp: 739204
Ion Ratio Lower Upper
43 100
58 53.1 43.4 65.0
57 18.6 14.9 22.3
100 9.9 8.3 12.5



#49
Dibromochloromethane
Concen: 19.629 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

Tgt Ion: 129 Resp: 123798
Ion Ratio Lower Upper
129 100
127 78.6 49.4 91.8

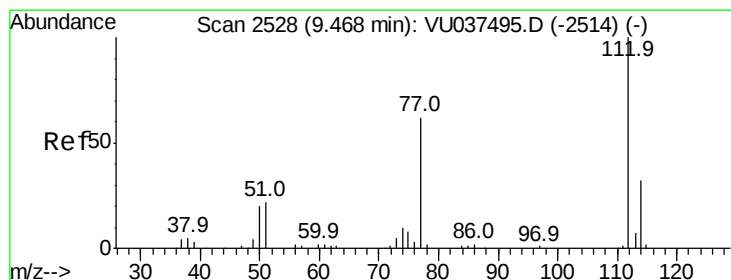
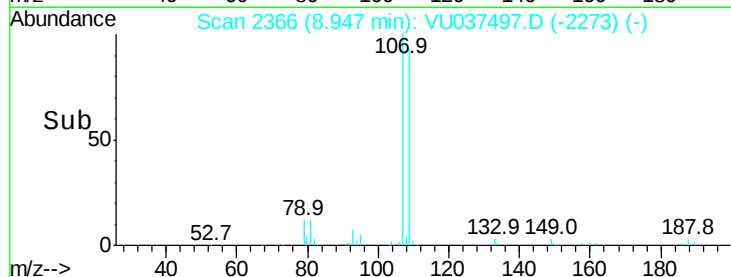
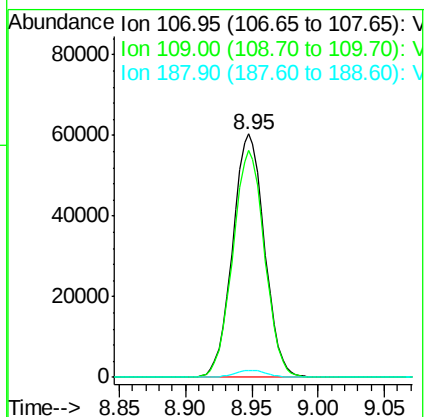
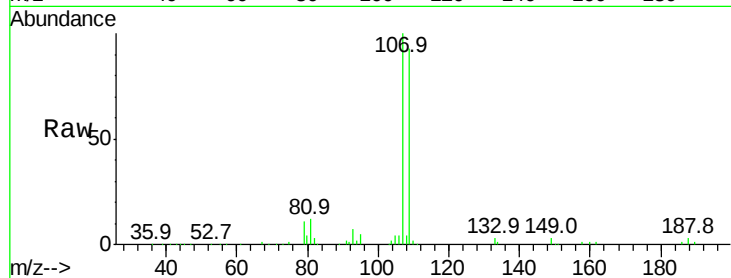




#50
1,2-Dibromoethane
Concen: 20.300 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

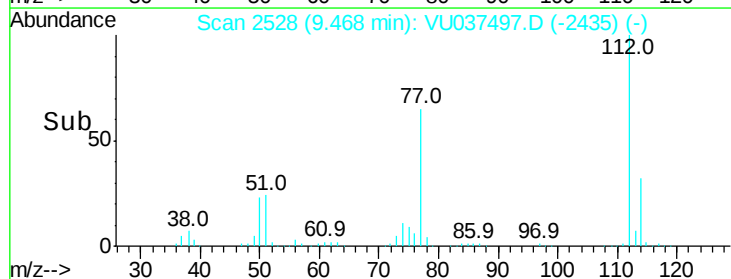
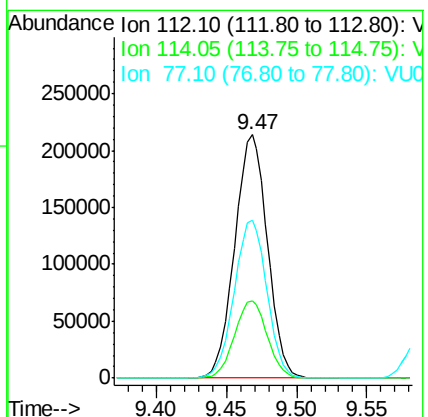
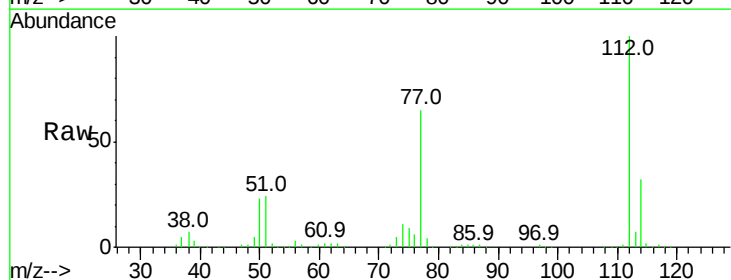
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

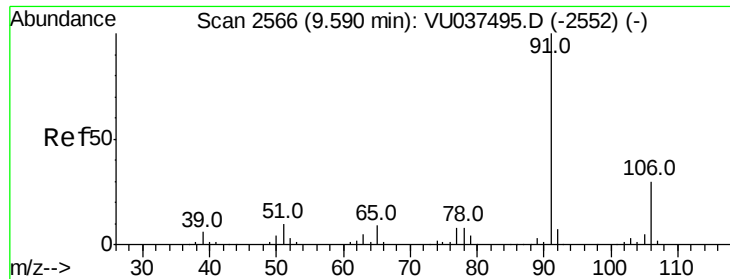
Tgt Ion:107 Resp: 100697
Ion Ratio Lower Upper
107 100
109 93.1 70.1 130.3
188 3.0 2.2 3.4



#51
Chlorobenzene
Concen: 17.662 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037497.D
Acq: 31 Mar 2020 13:02

Tgt Ion:112 Resp: 347563
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 65.1 50.4 75.6





#52

Ethylbenzene

Concen: 19.806 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

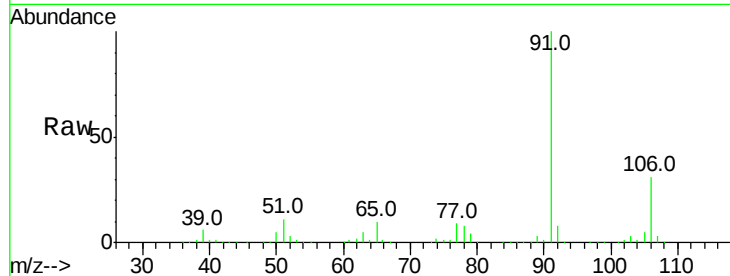
VSTD02001

Tgt Ion: 91 Resp: 647465

Ion Ratio Lower Upper

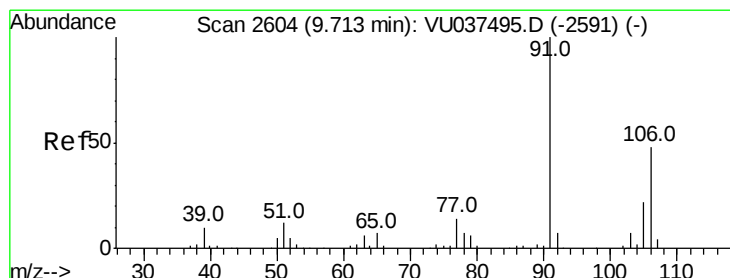
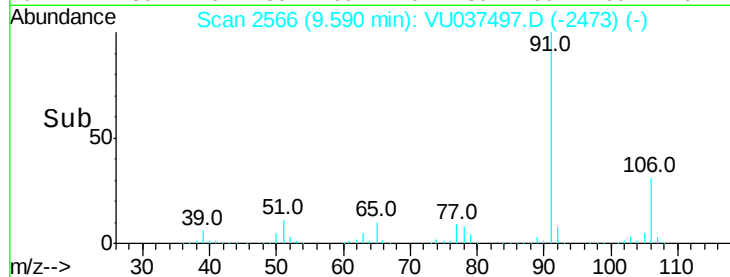
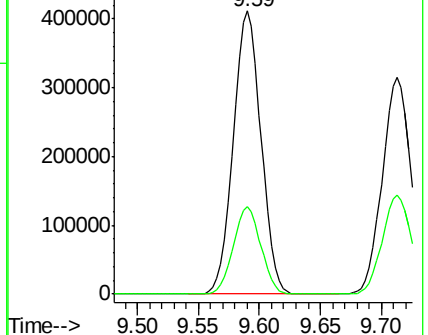
91 100

106 30.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037497.D (-2552) (-)

Ion 106.15 (105.85 to 106.85): VU037497.D (-2552) (-)



#53

m,p-Xylene

Concen: 19.371 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037497.D

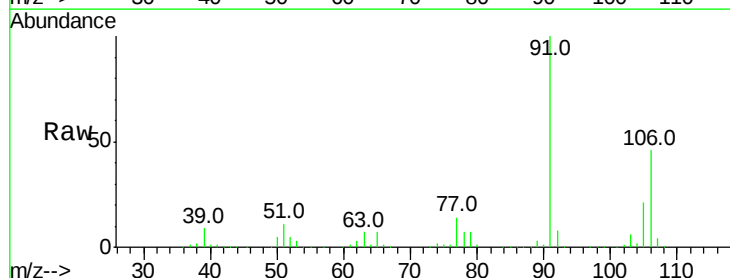
Acq: 31 Mar 2020 13:02

Tgt Ion: 106 Resp: 239258

Ion Ratio Lower Upper

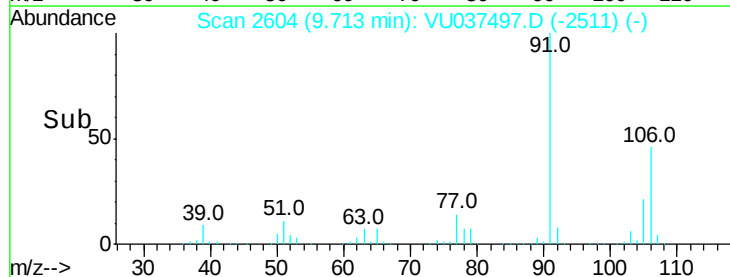
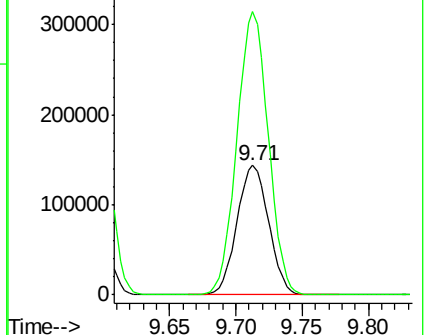
106 100

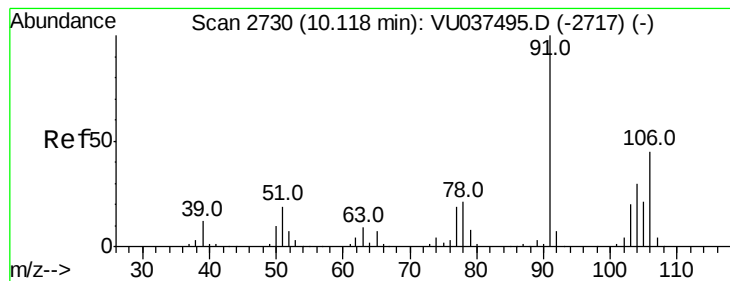
91 218.6 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VU037497.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU037497.D (-2591) (-)





#54

o-Xylene

Concen: 18.853 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

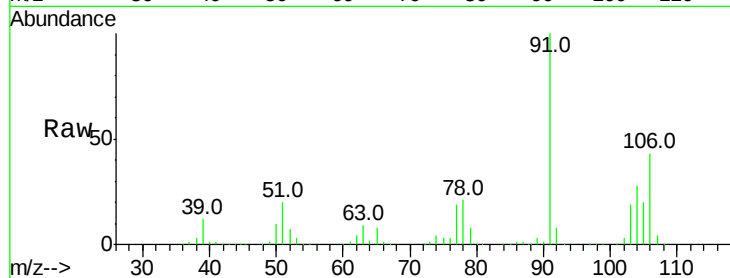
VSTD02001

Tgt Ion:106 Resp: 227278

Ion Ratio Lower Upper

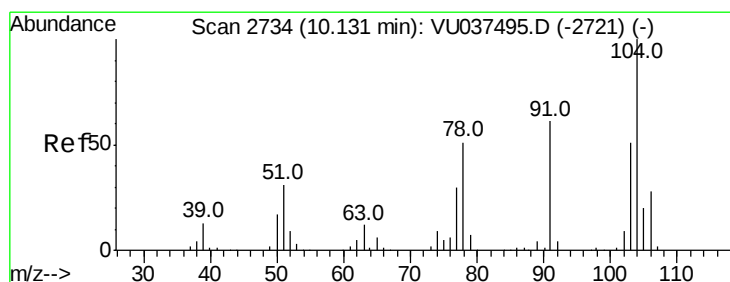
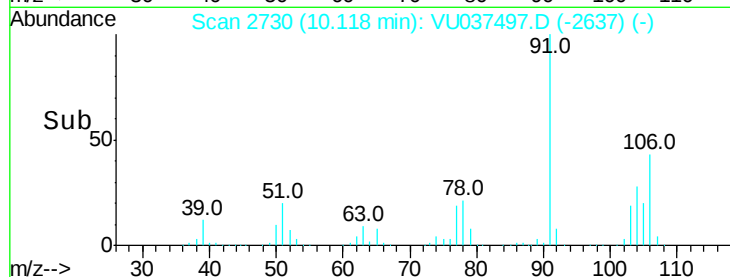
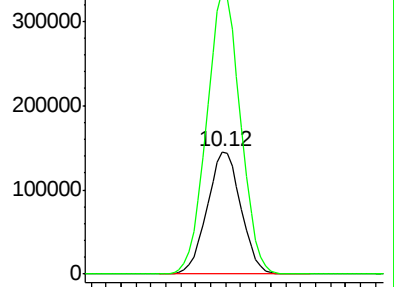
106 100

91 230.8 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 19.644 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037497.D

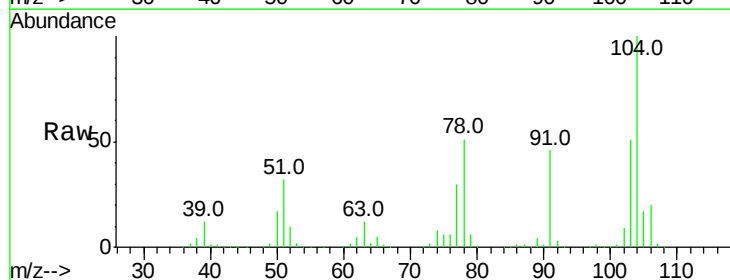
Acq: 31 Mar 2020 13:02

Tgt Ion:104 Resp: 404652

Ion Ratio Lower Upper

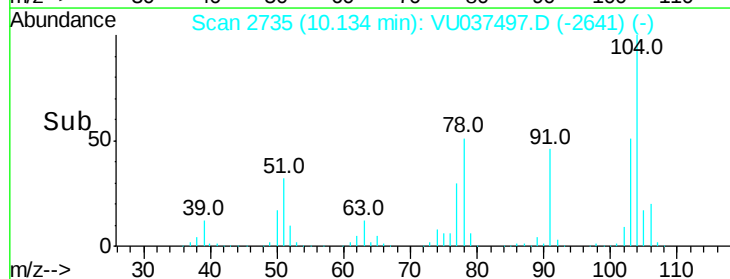
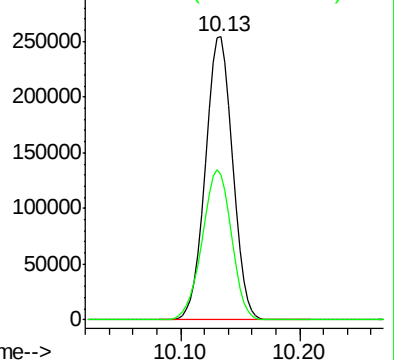
104 100

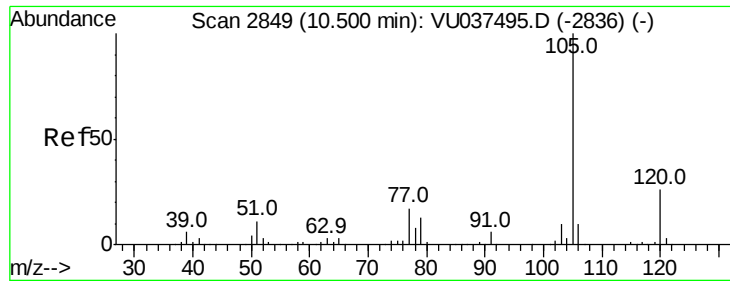
78 51.5 35.7 66.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 19.922 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

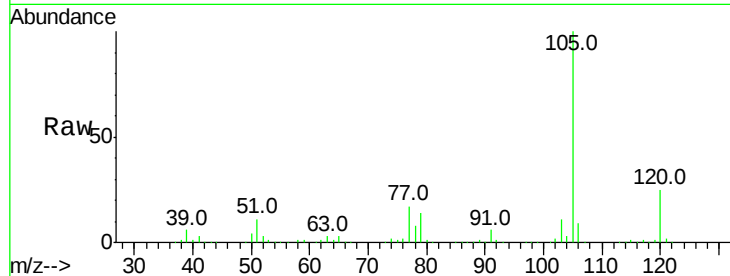
Tgt Ion:105 Resp: 639858

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

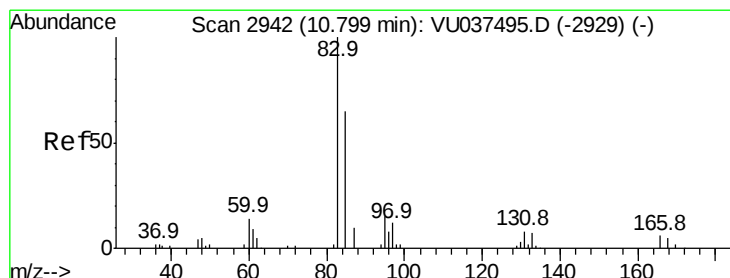
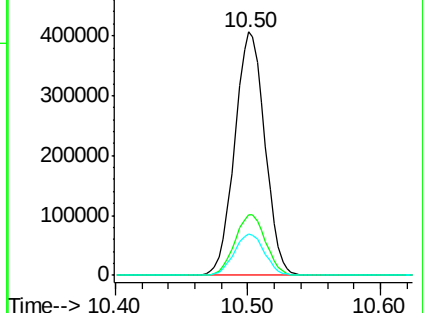
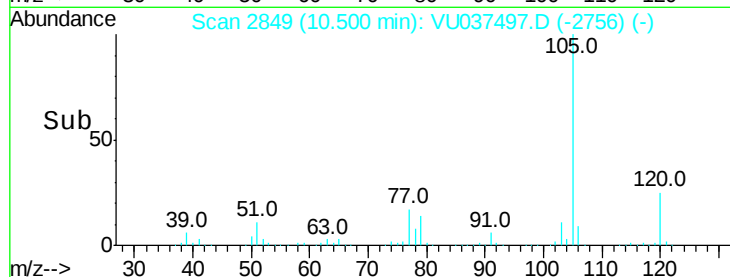
77 17.2 13.6 20.4



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: 21.192 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

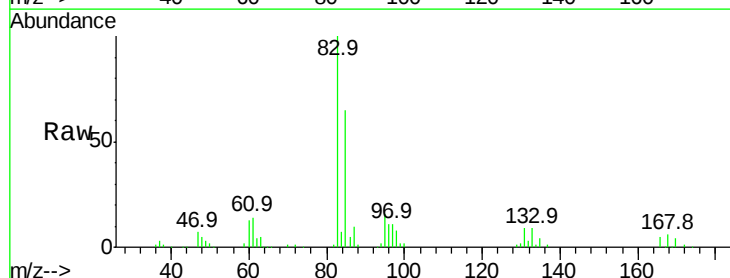
Tgt Ion: 83 Resp: 138239

Ion Ratio Lower Upper

83 100

85 64.8 45.9 85.3

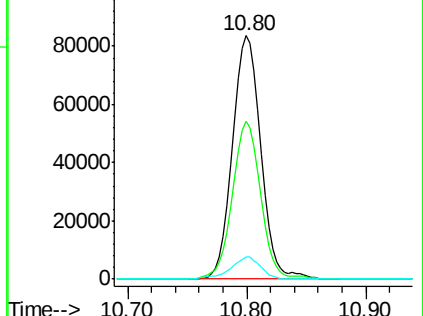
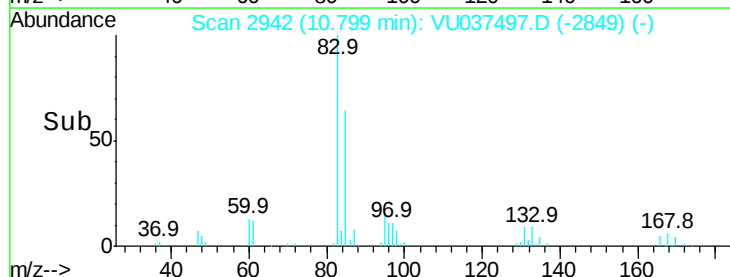
131 9.2 6.5 9.7

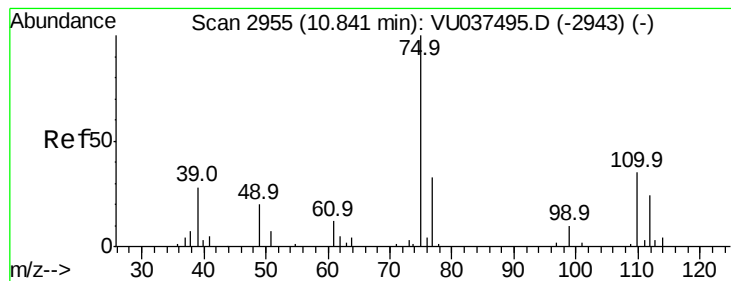


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.433 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

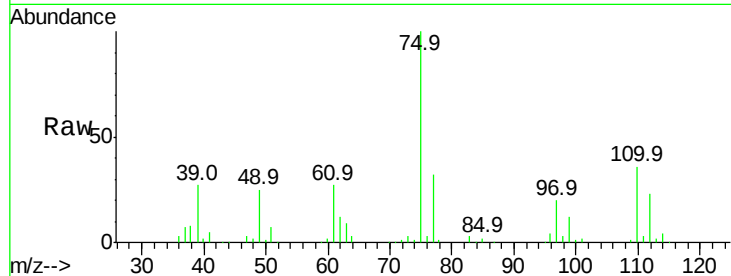
VSTD02001

Tgt Ion: 75 Resp: 97118

Ion Ratio Lower Upper

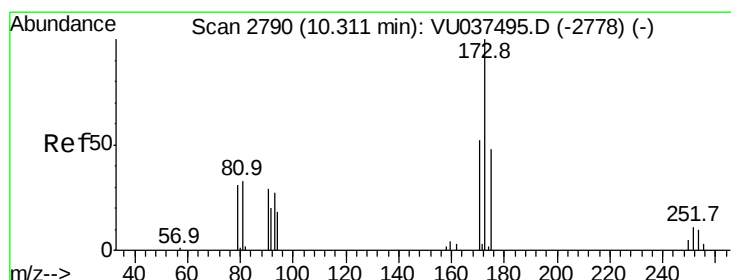
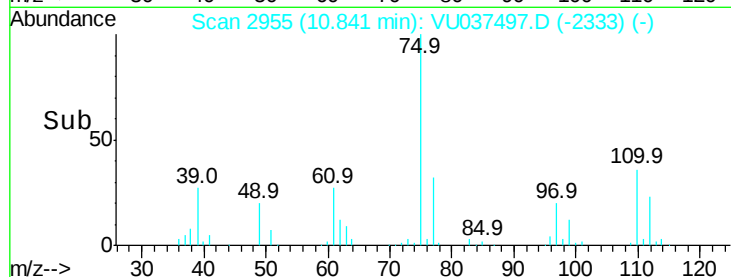
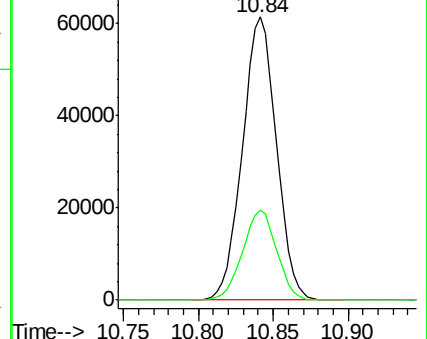
75 100

77 31.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU037497.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037497.D (-2943) (-)



#61

Bromoform

Concen: 19.807 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

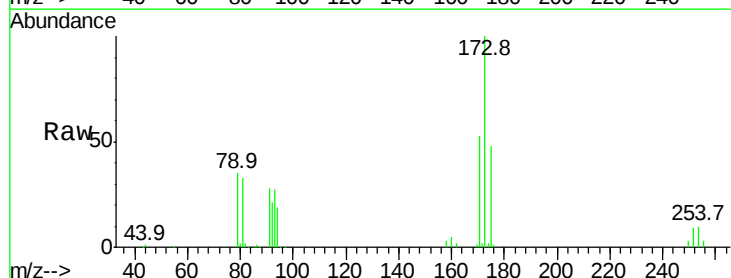
Tgt Ion: 173 Resp: 70797

Ion Ratio Lower Upper

173 100

175 49.0 40.0 60.0

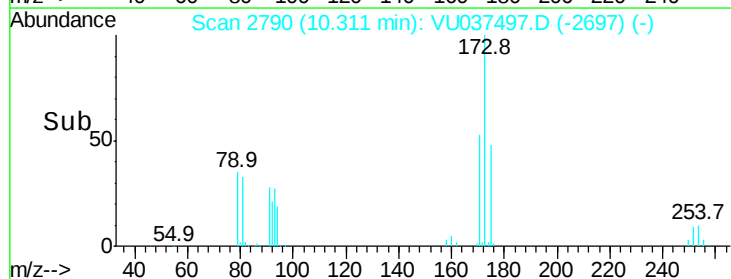
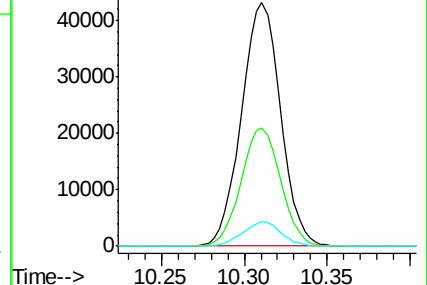
254 9.8 8.4 12.6

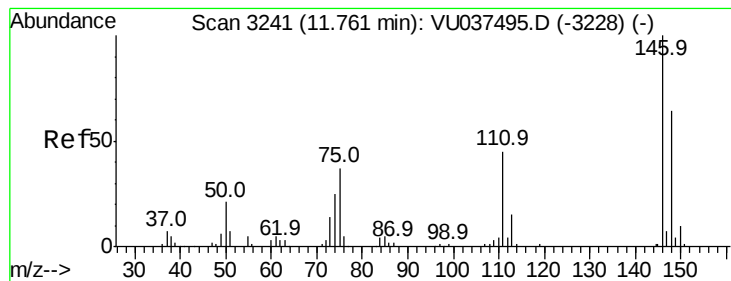


Abundance Ion 172.90 (172.60 to 173.60): VU037497.D (-2697) (-)

Ion 174.90 (174.60 to 175.60): VU037497.D (-2697) (-)

Ion 253.75 (253.45 to 254.45): VU037497.D (-2697) (-)





#62

1,3-Dichlorobenzene

Concen: 19.785 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

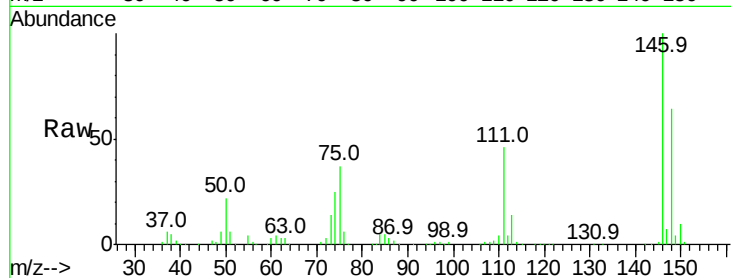
Tgt Ion:146 Resp: 273612

Ion Ratio Lower Upper

146 100

111 46.2 31.4 58.2

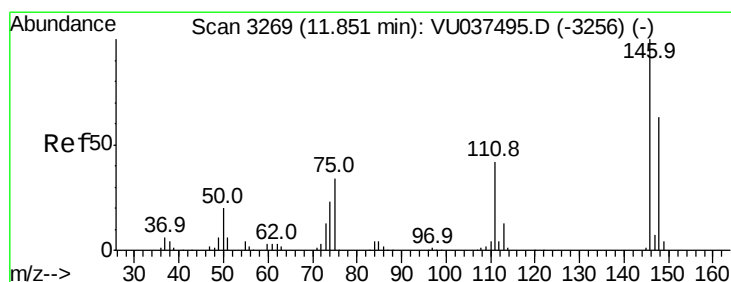
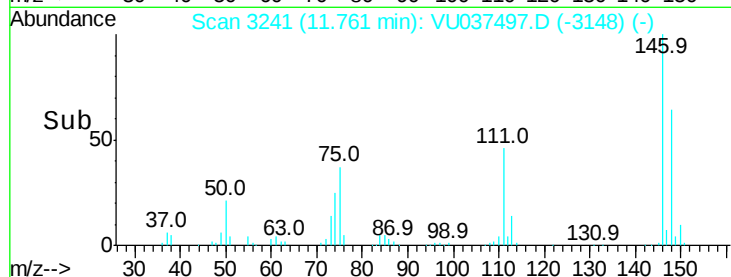
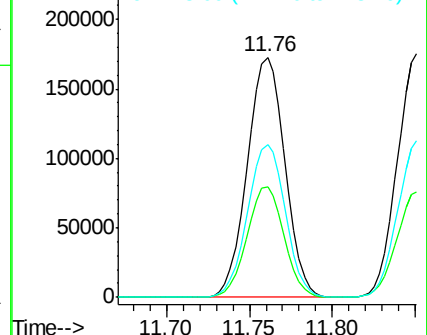
148 63.7 44.9 83.5



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: 18.357 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

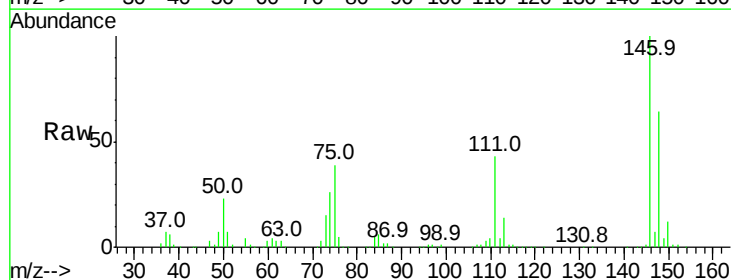
Tgt Ion:146 Resp: 271050

Ion Ratio Lower Upper

146 100

111 43.1 29.7 55.1

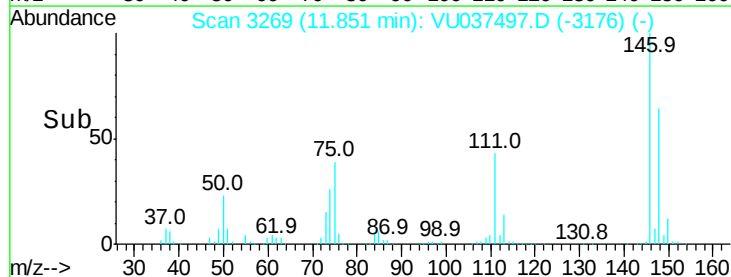
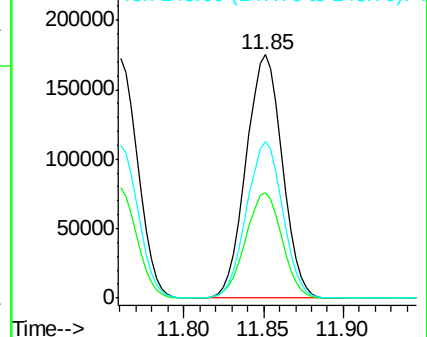
148 64.3 44.4 82.4

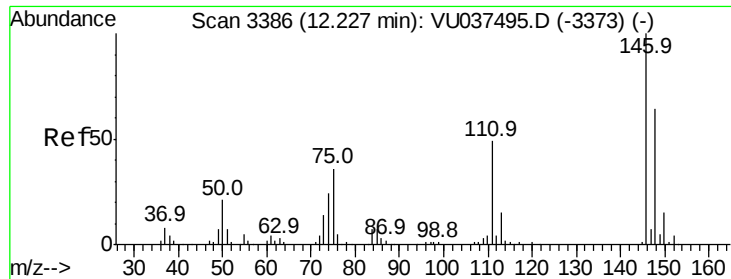


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.123 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

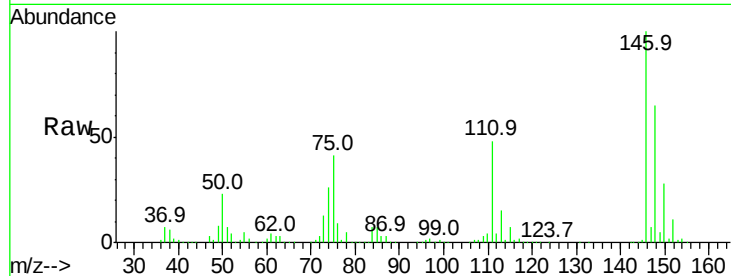
Tgt Ion:146 Resp: 255292

Ion Ratio Lower Upper

146 100

111 47.8 38.9 58.3

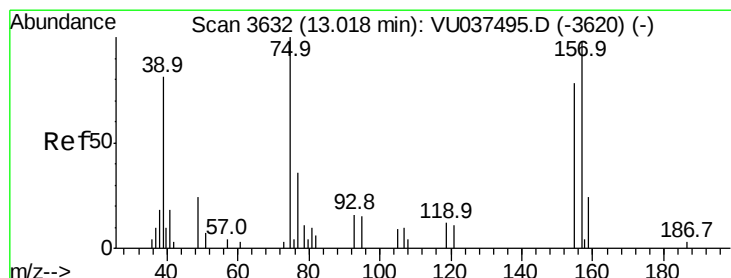
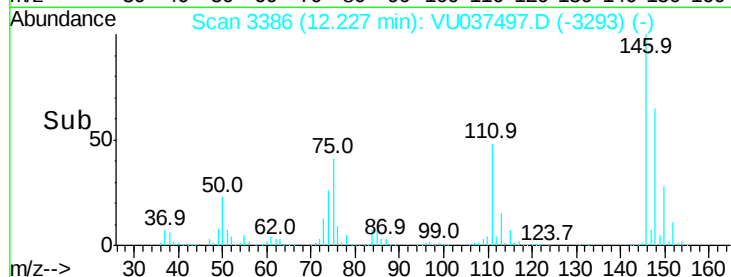
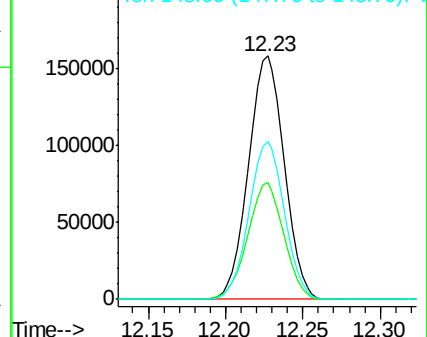
148 65.1 51.2 76.8



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: 24.176 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

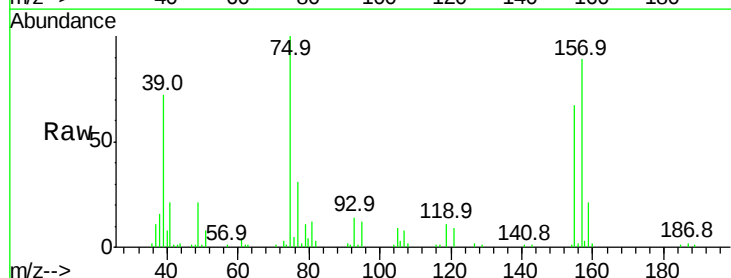
Tgt Ion: 75 Resp: 28399

Ion Ratio Lower Upper

75 100

155 67.5 62.4 93.6

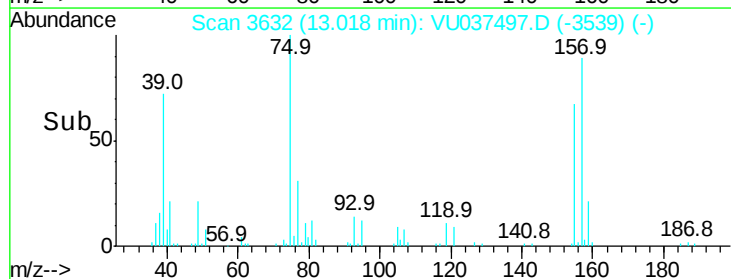
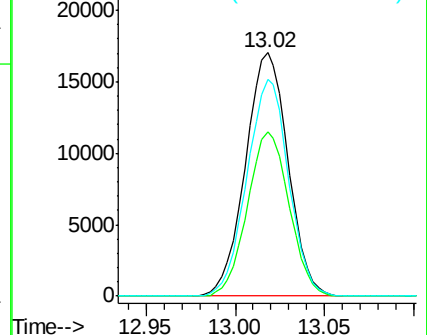
157 88.8 78.7 118.1

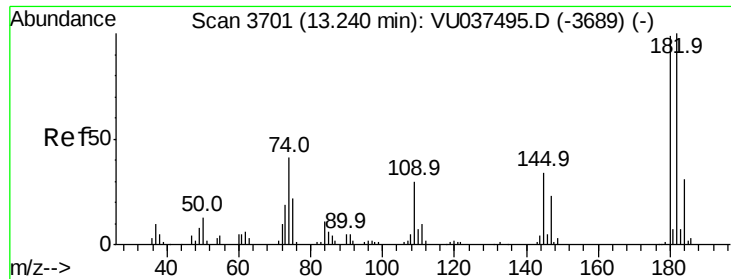


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

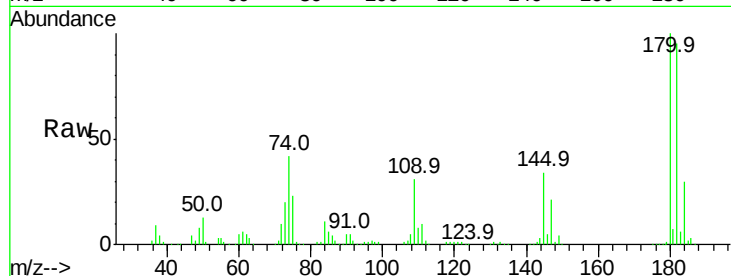




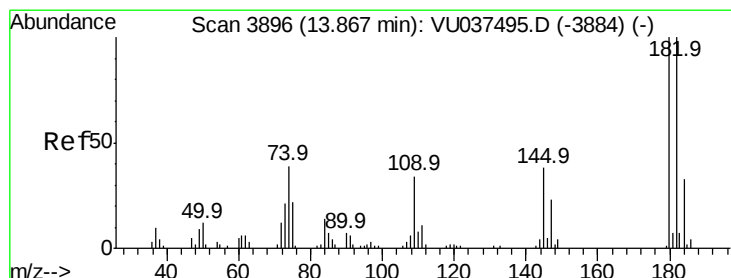
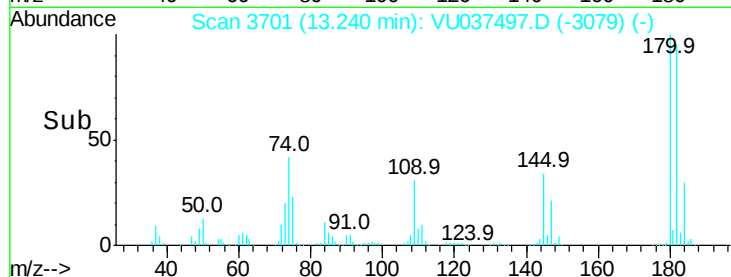
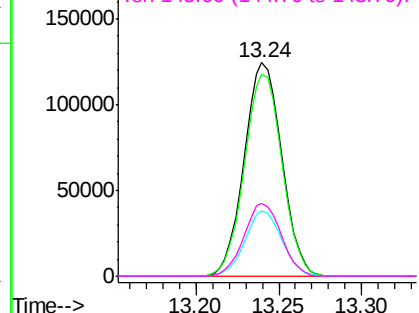
#67
 1,3,5-Trichlorobenzene
 Concen: 18.304 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037497.D
 Acq: 31 Mar 2020 13:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion:180 Resp: 196290
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.3 115.9
 184 30.1 25.0 37.4
 145 34.0 27.0 40.6

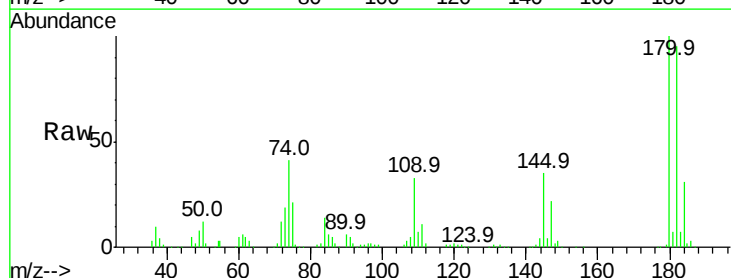


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

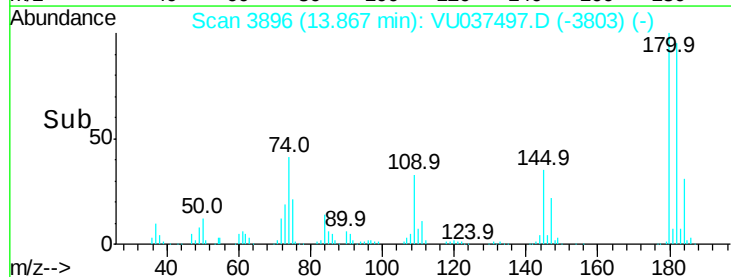
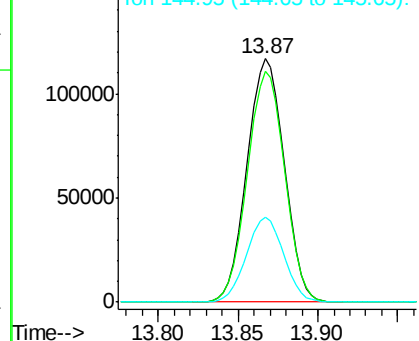


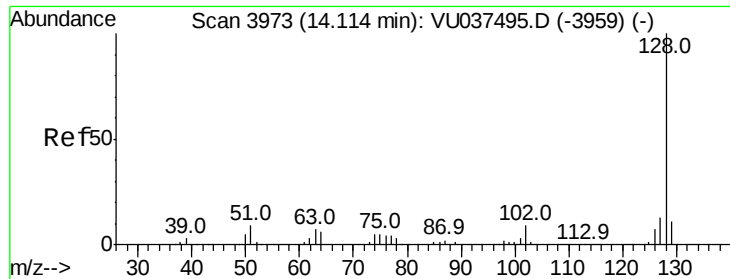
#68
 1,2,4-trichlorobenzene
 Concen: 17.927 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037497.D
 Acq: 31 Mar 2020 13:02

Tgt Ion:180 Resp: 185348
 Ion Ratio Lower Upper
 180 100
 182 95.1 80.4 120.6
 145 34.8 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: 20.663 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

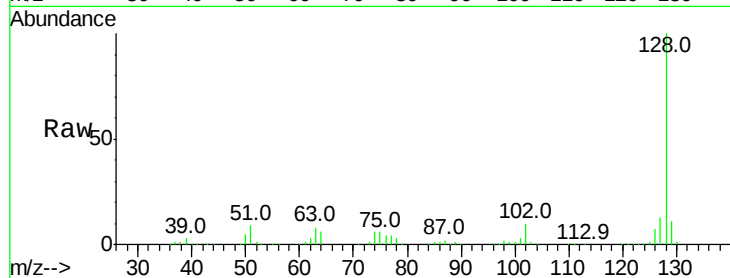
Tgt Ion:128 Resp: 414711

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

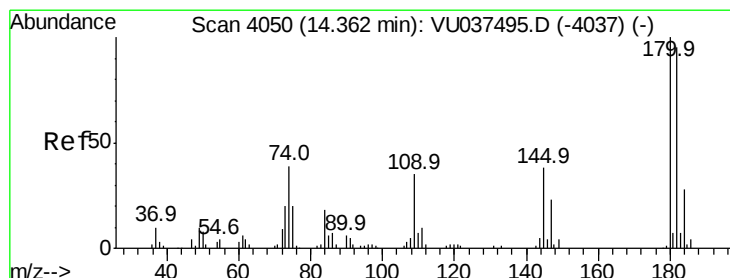
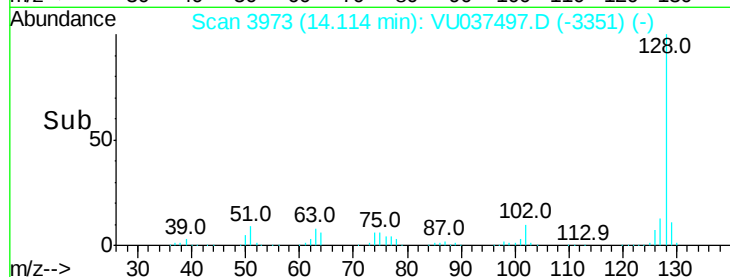
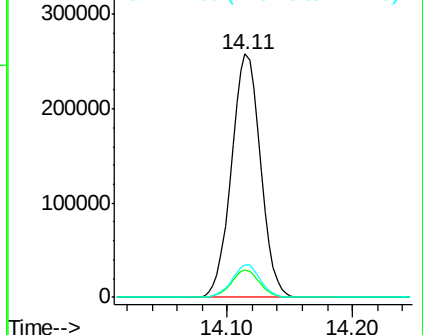
127 13.0 10.2 15.2



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: 17.894 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037497.D

Acq: 31 Mar 2020 13:02

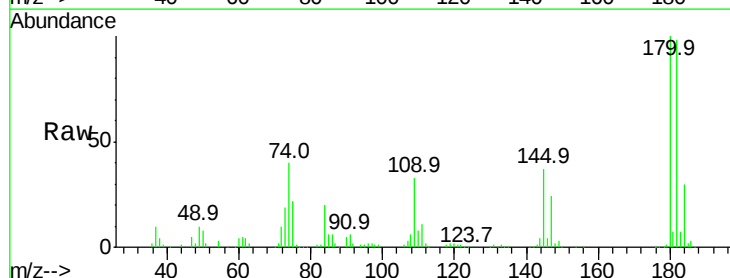
Tgt Ion:180 Resp: 166374

Ion Ratio Lower Upper

180 100

182 96.0 74.7 112.1

145 37.2 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

