

Data File : VU037495.D
Acq On : 31 Mar 2020 12:13
Operator : JC/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Quant Time: Mar 31 12:36:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 31 10:58:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	91383	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	83615	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	41702	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32366	4.80	ug/L	0.00
7) Chloroethane-d5	1.93	69	26850	5.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	63142	4.79	ug/L	0.00
20) 2-Butanone-d5	4.68	46	100397	54.60	ug/L	0.02
24) Chloroform-d	5.11	84	63097	4.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	33670	4.59	ug/L	0.00
32) Benzene-d6	5.76	84	124215	5.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	40237	5.03	ug/L	0.00
41) Toluene-d8	7.92	98	114481	5.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	17962	4.78	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	83542	55.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	34264	5.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	40060	4.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	31906	4.161 ug/L	97
3) Chloromethane	1.53	50	32613	4.798 ug/L	100
5) Vinyl chloride	1.62	62	35224	4.924 ug/L	95
6) Bromomethane	1.87	94	18067	4.482 ug/L	95
8) Chloroethane	1.95	64	20471	5.130 ug/L	92
9) Trichlorofluoromethane	2.16	101	49105	5.127 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	28134	4.821 ug/L	96
12) 1,1-Dichloroethene	2.61	96	29151	4.850 ug/L	89
13) Acetone	2.68	43	55289	52.335 ug/L	98
14) Carbon disulfide	2.82	76	96741	4.705 ug/L	99
15) Methyl Acetate	2.99	43	14259	4.831 ug/L	95
16) Methylene chloride	3.08	84	31939	4.755 ug/L	94
17) Methyl tert-butyl Ether	3.40	73	80570	4.926 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	31069	4.943 ug/L	94
19) 1,1-Dichloroethane	3.91	63	57610	4.905 ug/L	96
21) 2-Butanone	4.76	43	96951	53.982 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	33671	4.781 ug/L	97
23) Bromochloromethane	5.02	128	14294	4.594 ug/L	91
25) Chloroform	5.13	83	58056	4.698 ug/L	98
27) 1,2-Dichloroethane	5.83	62	38694	4.687 ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	51537	4.904 ug/L	100
30) Cyclohexane	5.42	56	56156	5.214 ug/L	97
31) Carbon tetrachloride	5.56	117	42045	4.633 ug/L	100
33) Benzene	5.81	78	126479	5.108 ug/L	100
34) Trichloroethene	6.57	95	33967	4.816 ug/L	95
35) Methylcyclohexane	6.79	83	54673	4.898 ug/L	99
37) 1,2-Dichloropropane	6.82	63	33839	5.286 ug/L	99
38) Bromodichloromethane	7.14	83	45079	5.150 ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	52449	5.025 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	248263	58.254 ug/L	98

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Quant Time: Mar 31 12:36:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 31 10:58:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	135253	5.069	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	46635	4.998	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	24148	5.044	ug/L	97
47) Tetrachloroethene	8.58	164	21976	4.524	ug/L	98
48) 2-Hexanone	8.71	43	179931	58.575	ug/L	98
49) Dibromochloromethane	8.83	129	29792	5.042	ug/L	93
50) 1,2-Dibromoethane	8.95	107	23709	5.102	ug/L	92
51) Chlorobenzene	9.47	112	83904	4.551	ug/L	100
52) Ethylbenzene	9.59	91	155421	5.075	ug/L	99
53) m,p-Xylene	9.71	106	57727	4.989	ug/L	99
54) o-Xylene	10.12	106	56115	4.969	ug/L	98
55) Styrene	10.13	104	96704	5.011	ug/L	100
56) Isopropylbenzene	10.50	105	148468	4.934	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	32991	5.398	ug/L	94
59) 1,2,3-Trichloropropane	10.84	75	23256	5.223	ug/L	97
61) Bromoform	10.31	173	16021	4.622	ug/L #	98
62) 1,3-Dichlorobenzene	11.76	146	62779	4.682	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	64293	4.490	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	60895	4.704	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	6213	5.455	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	45234	4.350	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	42360	4.225	ug/L	94
69) Naphthalene	14.11	128	97357	5.002	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	38618	4.283	ug/L	96

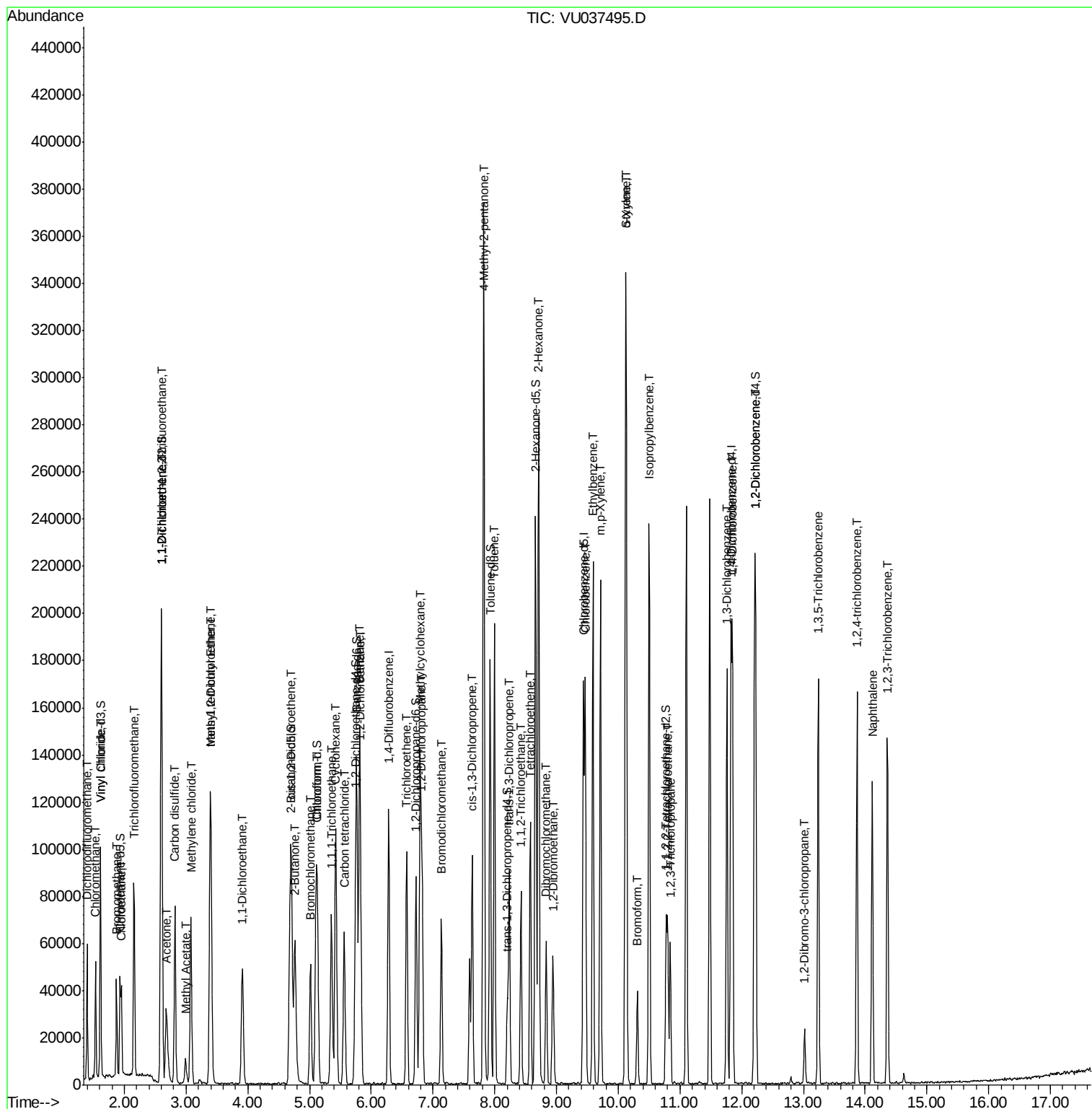
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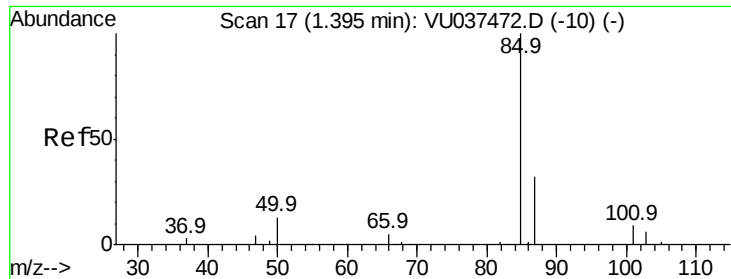
Data File : VU037495.D

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Acq On       : 31 Mar 2020   12:13
Operator     : JC/MD
Sample       : VSTD005
Misc         : 25.0mL/MSVOA_U/WATER
ALS Vial     : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Quant Time: Mar 31 12:36:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
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#2

Dichlorodifluoromethane

Concen: 4.161 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

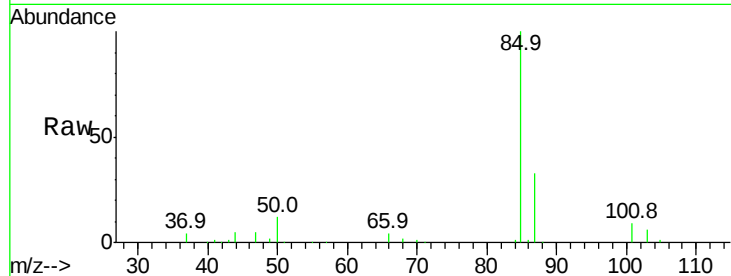
VSTD00505

Tgt Ion: 85 Resp: 31906

Ion Ratio Lower Upper

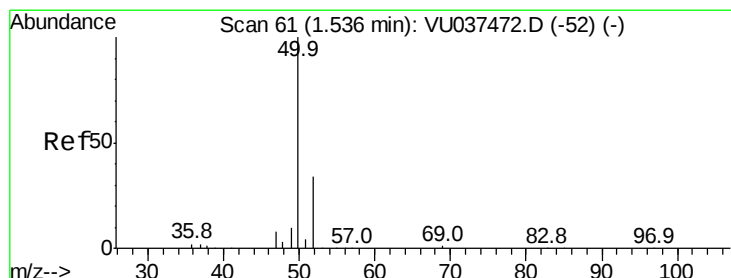
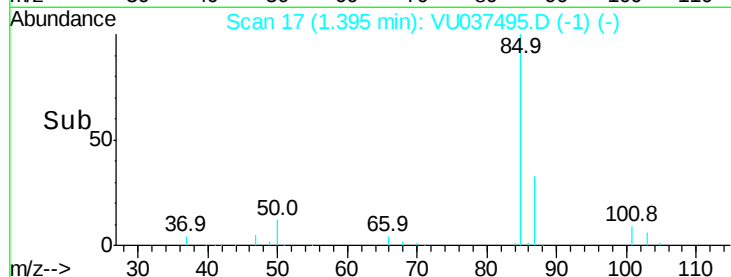
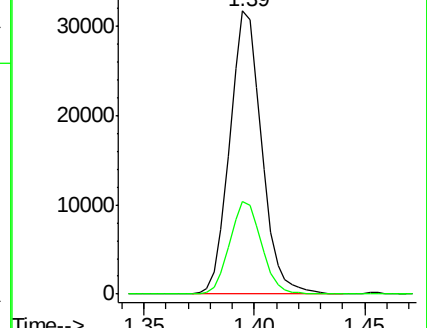
85 100

87 32.7 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU037495.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037495.D (-1) (-)



#3

Chloromethane

Concen: 4.798 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037495.D

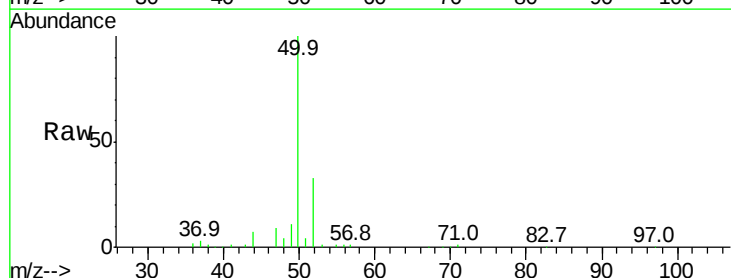
Acq: 31 Mar 2020 12:13

Tgt Ion: 50 Resp: 32613

Ion Ratio Lower Upper

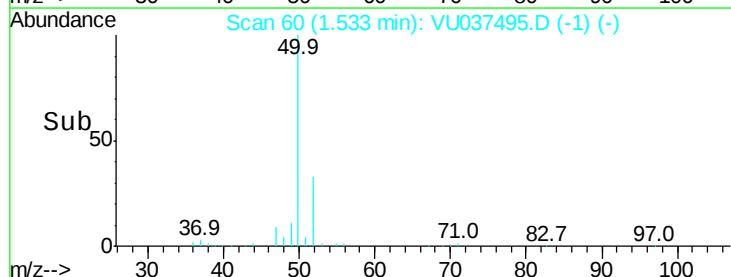
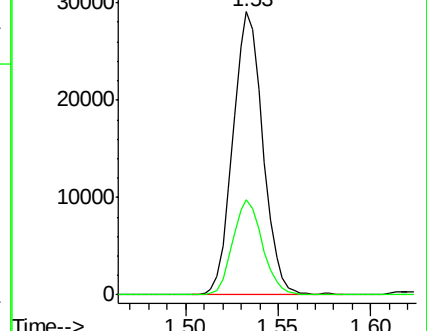
50 100

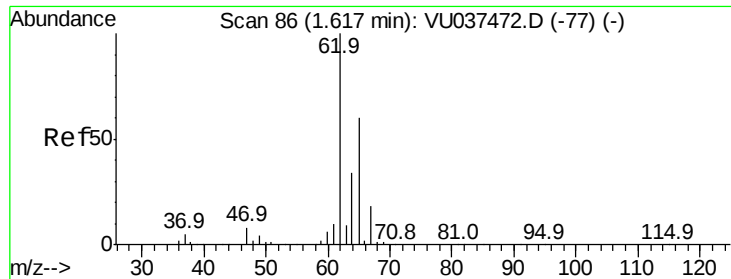
52 33.4 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU037495.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU037495.D (-1) (-)





#5

Vinyl chloride

Concen: 4.924 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

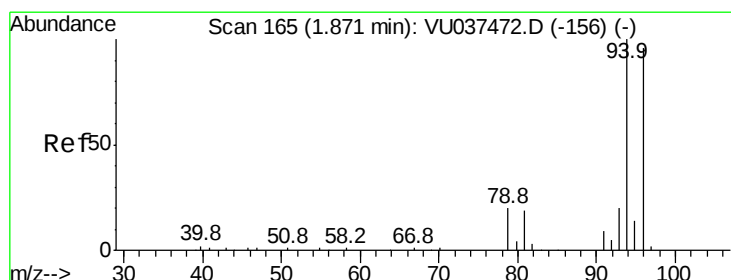
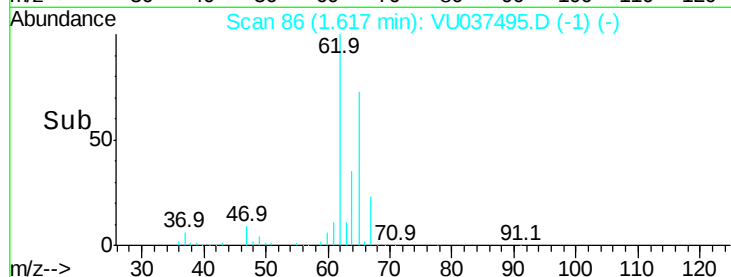
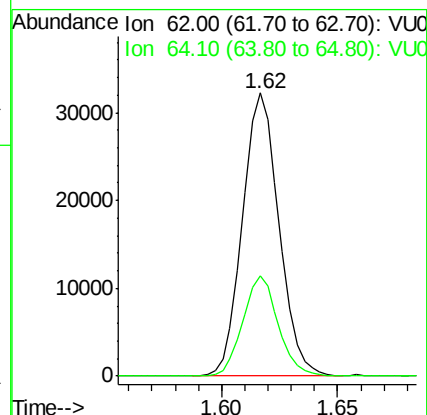
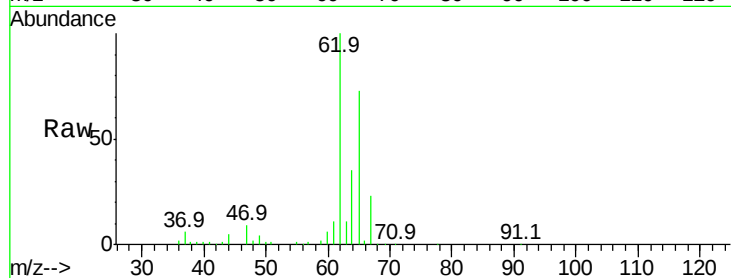
VSTD00505

Tgt Ion: 62 Resp: 35224

Ion Ratio Lower Upper

62 100

64 35.4 22.9 42.5



#6

Bromomethane

Concen: 4.482 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037495.D

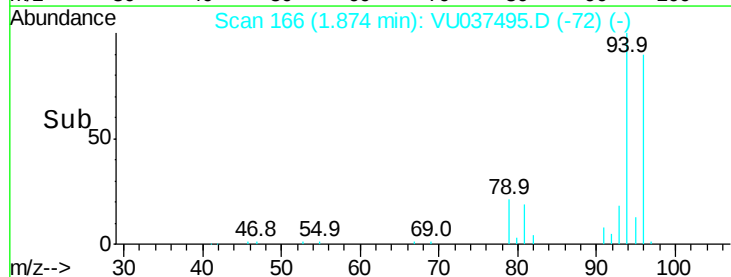
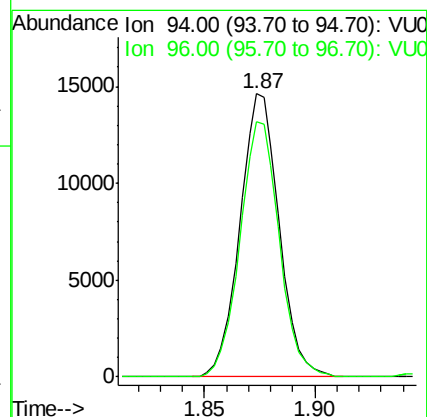
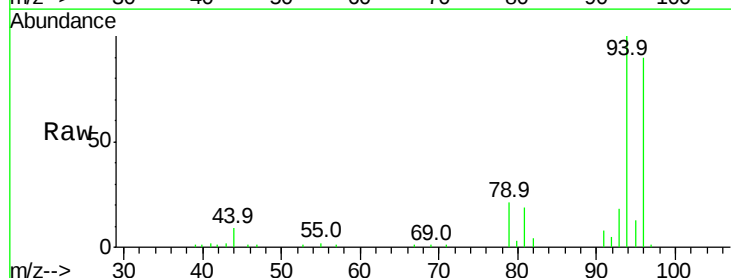
Acq: 31 Mar 2020 12:13

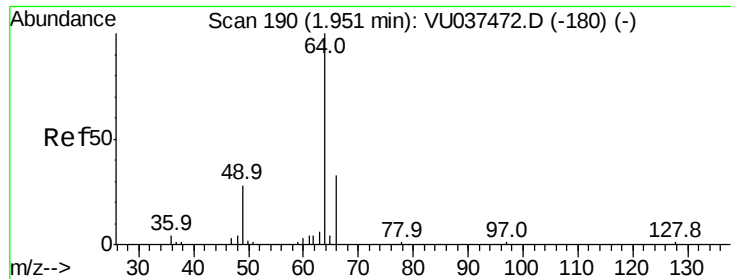
Tgt Ion: 94 Resp: 18067

Ion Ratio Lower Upper

94 100

96 90.3 66.8 124.2





#8

Chloroethane

Concen: 5.130 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

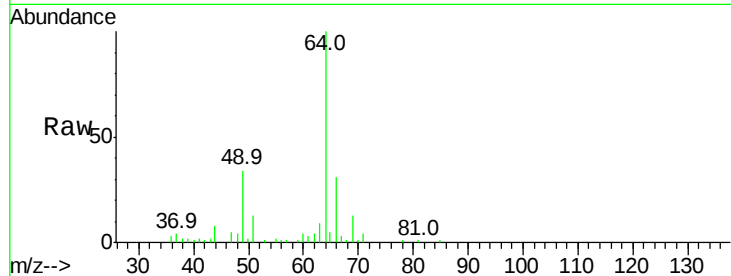
VSTD00505

Tgt Ion: 64 Resp: 20471

Ion Ratio Lower Upper

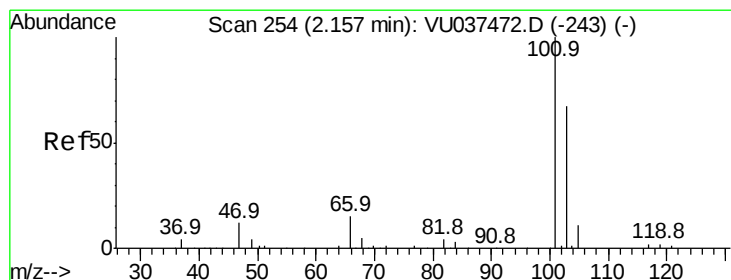
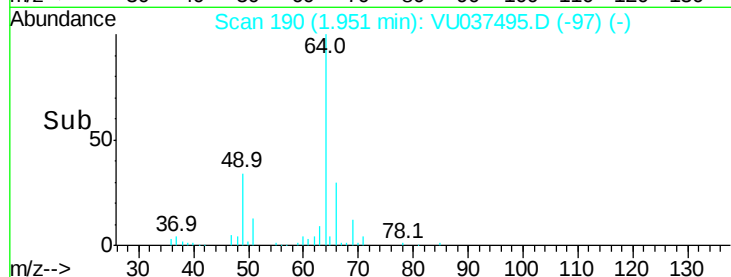
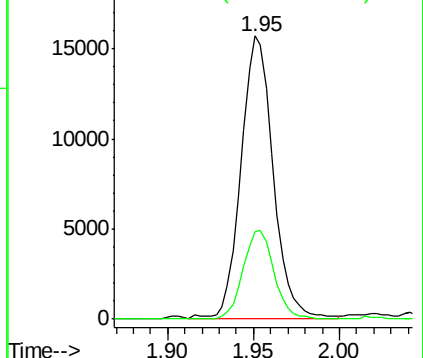
64 100

66 30.9 24.8 46.0



Abundance Ion 64.10 (63.80 to 64.80): VU037472.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU037472.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 5.127 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037495.D

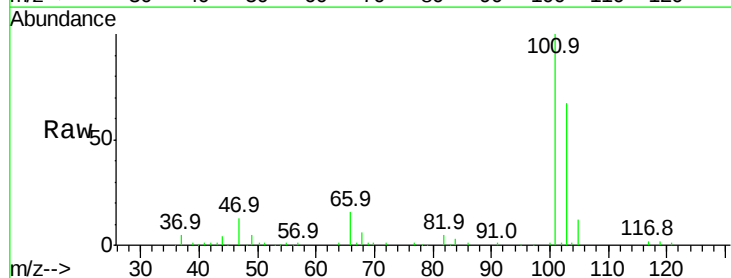
Acq: 31 Mar 2020 12:13

Tgt Ion: 101 Resp: 49105

Ion Ratio Lower Upper

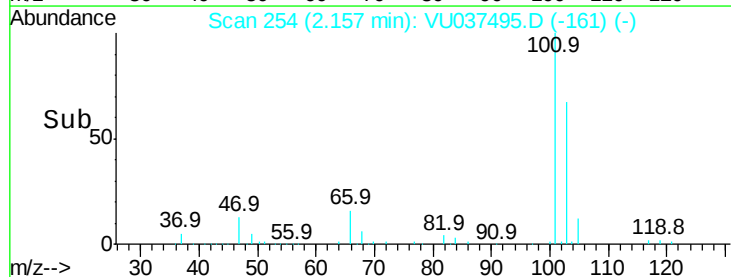
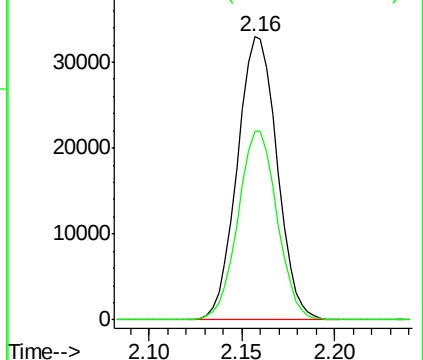
101 100

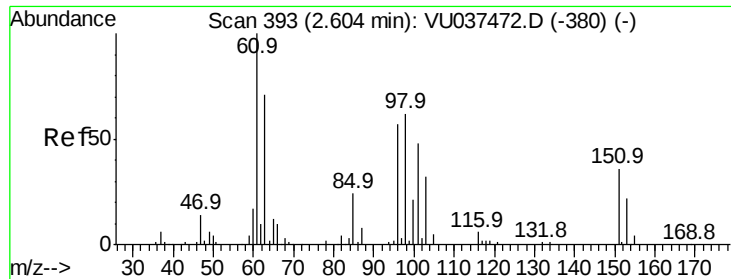
103 65.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU037472.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU037472.D (-243) (-)





#10

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

Concen: 4.821 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

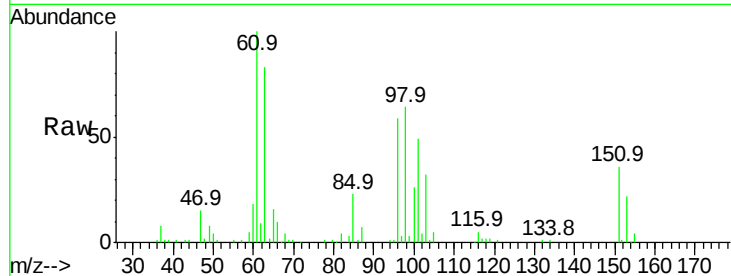
Tgt Ion:101 Resp: 28134

Ion Ratio Lower Upper

101 100

85 45.7 39.0 58.6

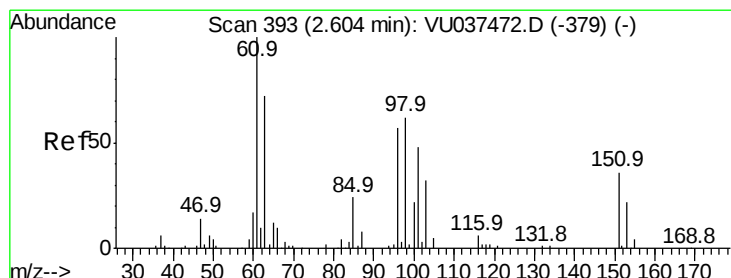
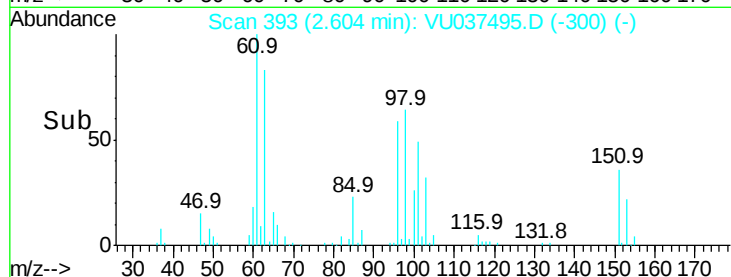
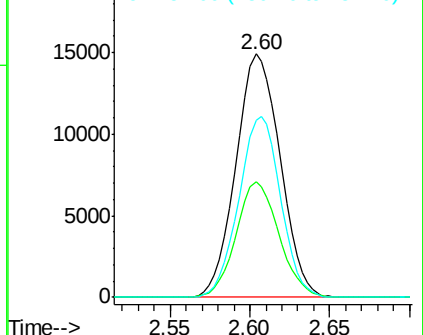
151 69.9 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.850 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

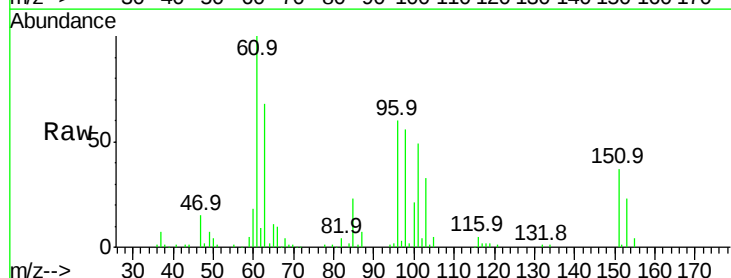
Tgt Ion: 96 Resp: 29151

Ion Ratio Lower Upper

96 100

61 166.0 125.4 232.8

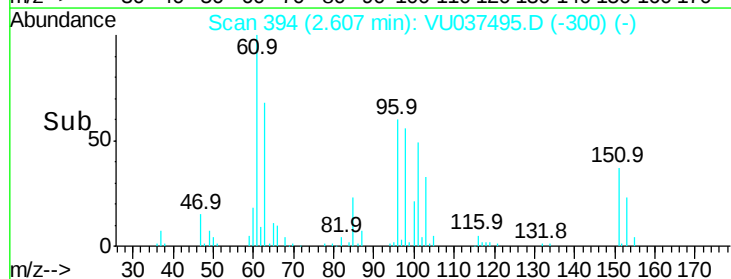
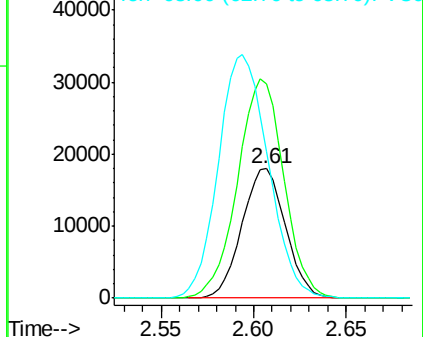
63 113.1 90.9 168.7

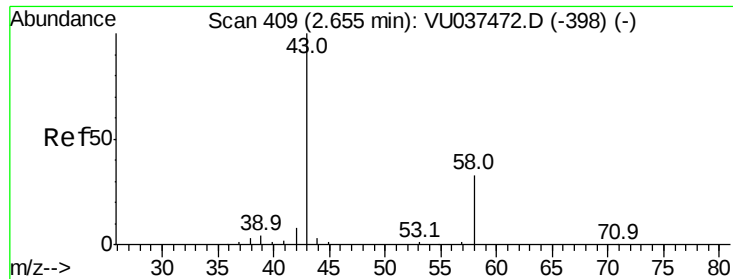


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.335 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.03 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

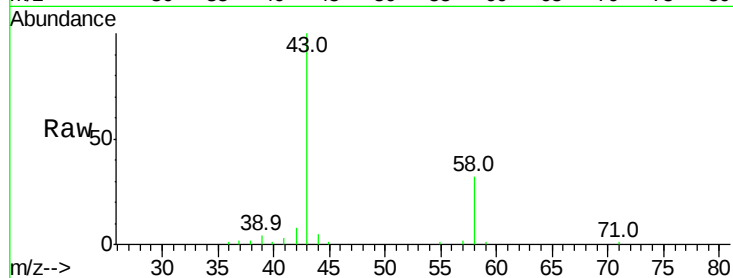
VSTD00505

Tgt Ion: 43 Resp: 55289

Ion Ratio Lower Upper

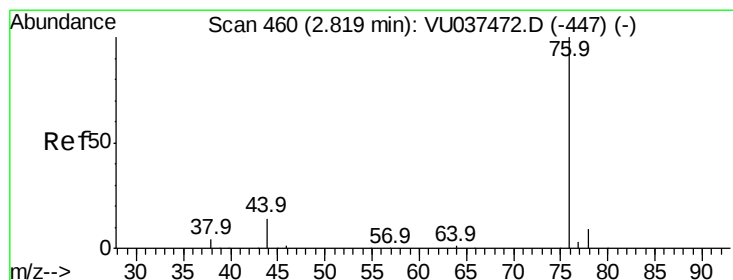
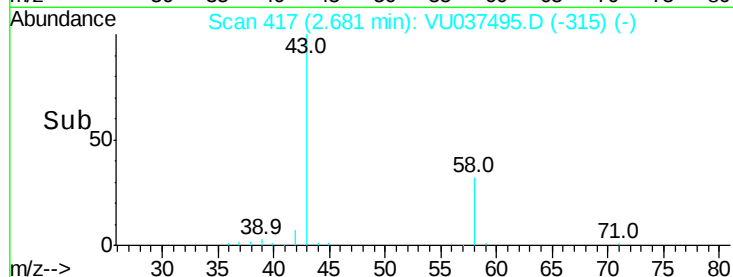
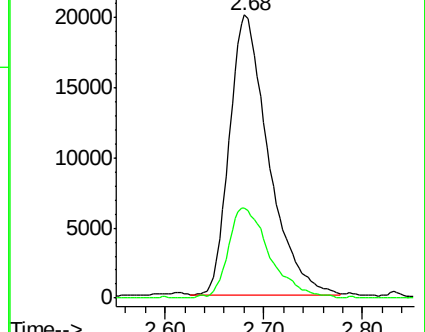
43 100

58 34.1 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU037495.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU037495.D (-315) (-)



#14

Carbon disulfide

Concen: 4.705 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037495.D

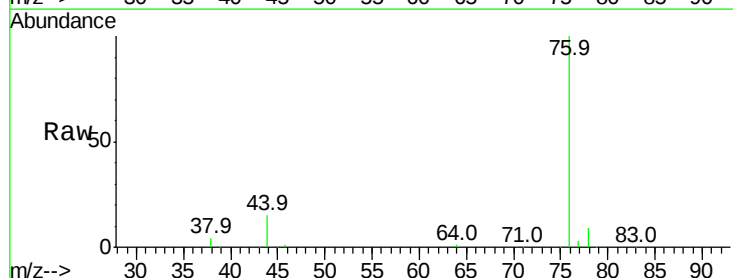
Acq: 31 Mar 2020 12:13

Tgt Ion: 76 Resp: 96741

Ion Ratio Lower Upper

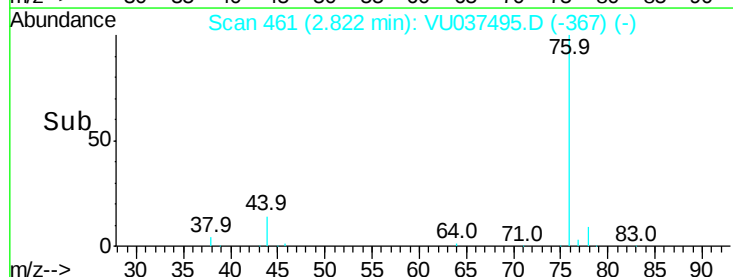
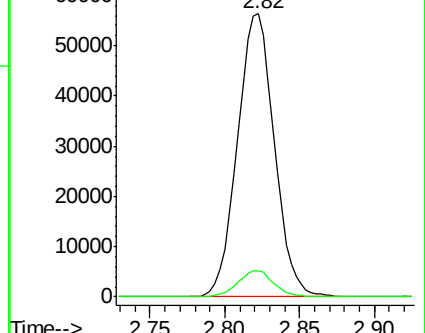
76 100

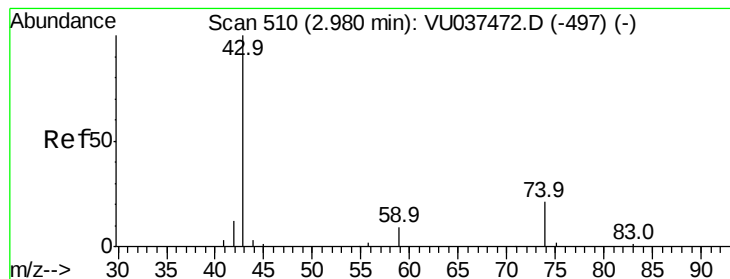
78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037495.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037495.D (-367) (-)





#15

Methyl Acetate

Concen: 4.831 ug/L

RT: 2.99 min Scan# 514

Delta R.T. 0.01 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

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ClientSampleId :

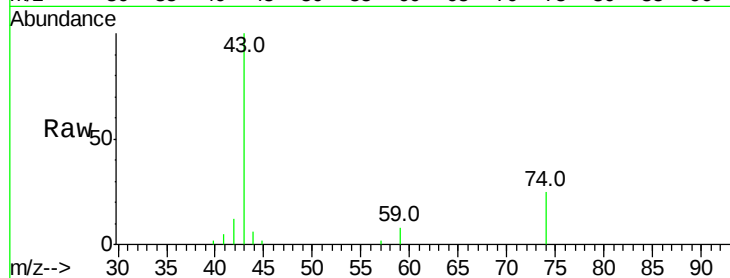
VSTD00505

Tgt Ion: 43 Resp: 14259

Ion Ratio Lower Upper

43 100

74 22.4 19.8 29.6



Abundance Ion 43.05 (42.75 to 43.75): VU037495.D (-417) (-)

Ion 74.05 (73.75 to 74.75): VU037495.D (-417) (-)

2.99

8000

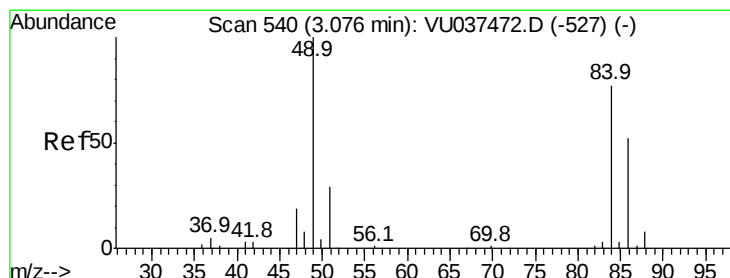
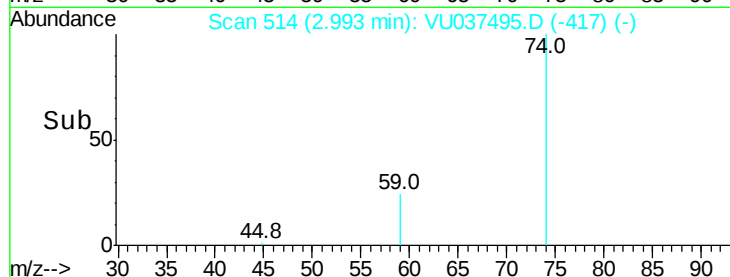
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 4.755 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

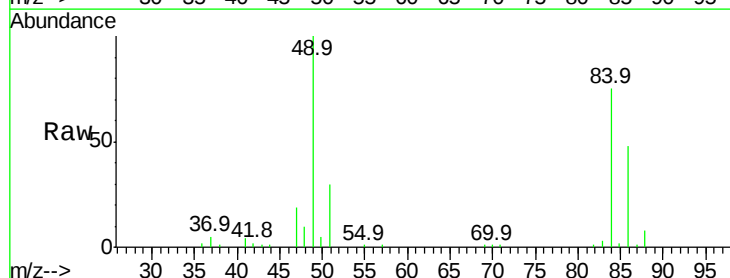
Tgt Ion: 84 Resp: 31939

Ion Ratio Lower Upper

84 100

86 63.8 43.6 81.0

49 132.5 86.4 160.4



Abundance Ion 84.05 (83.75 to 84.75): VU037495.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU037495.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU037495.D (-447) (-)

30000

25000

20000

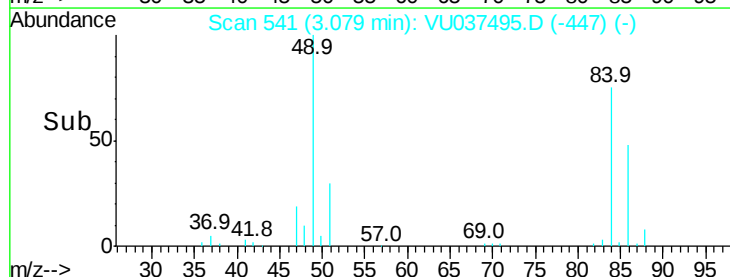
15000

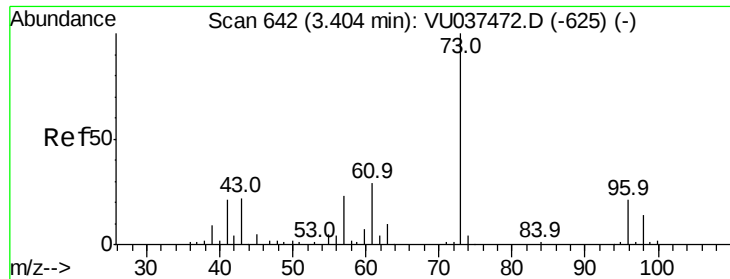
10000

5000

0

Time-->

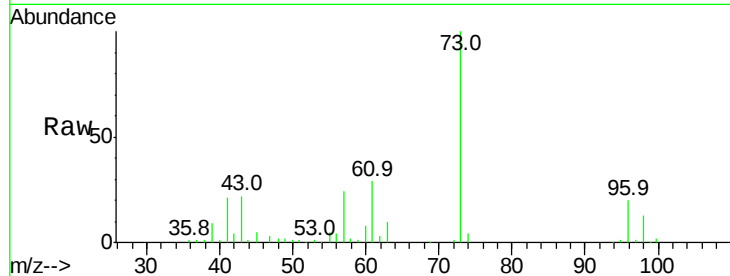




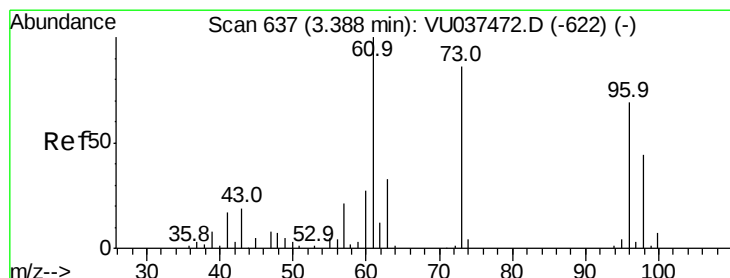
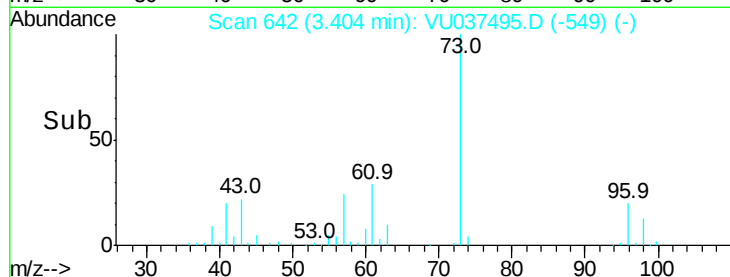
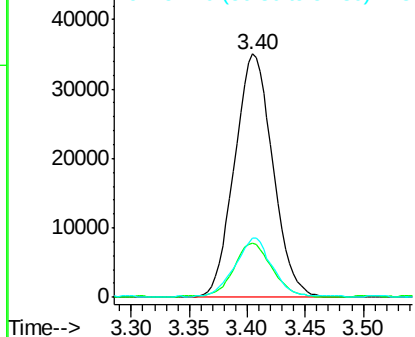
#17
Methyl tert-butyl Ether
Concen: 4.926 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037495.D
Acq: 31 Mar 2020 12:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 73 Resp: 80570
Ion Ratio Lower Upper
73 100
43 21.8 17.4 26.2
57 24.1 17.3 25.9

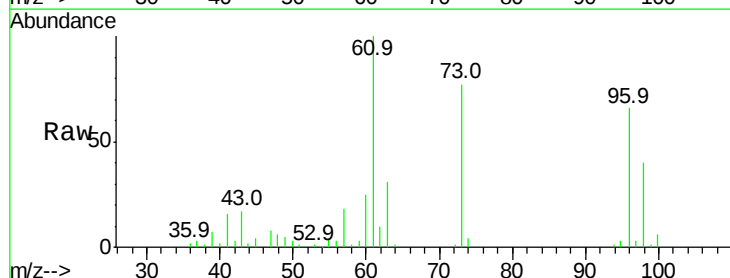


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

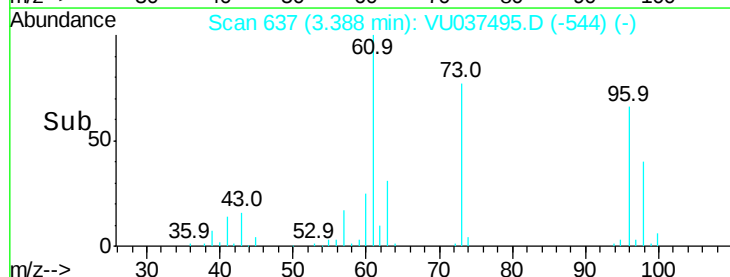
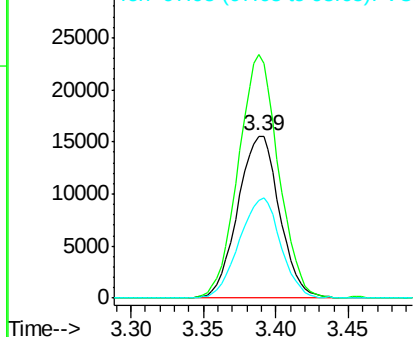


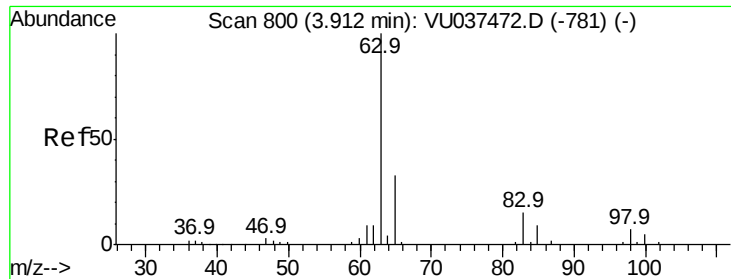
#18
trans-1,2-Dichloroethene
Concen: 4.943 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037495.D
Acq: 31 Mar 2020 12:13

Tgt Ion: 96 Resp: 31069
Ion Ratio Lower Upper
96 100
61 150.5 99.9 185.5
98 60.4 45.4 84.4



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

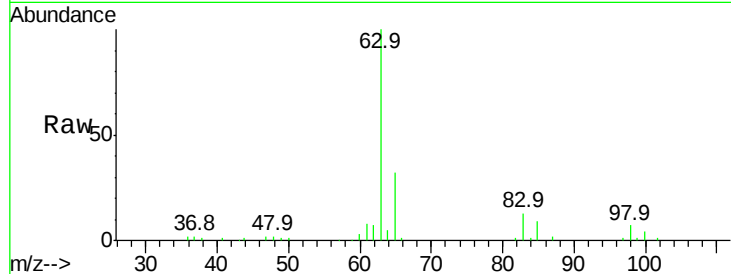




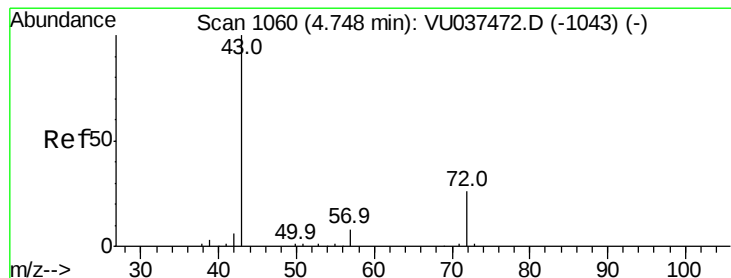
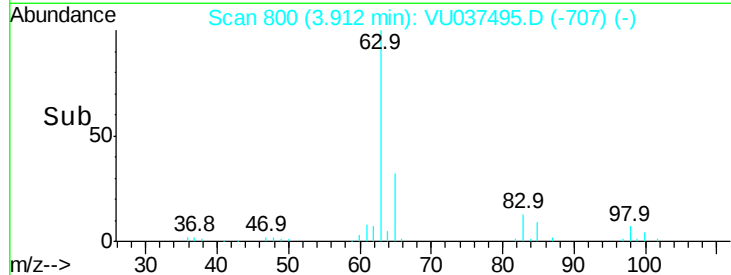
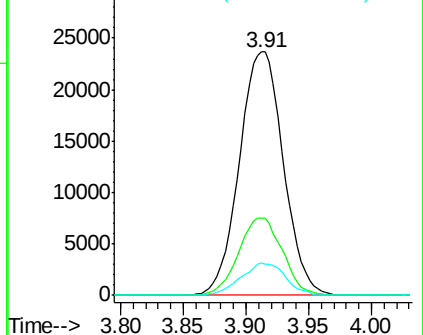
#19
 1,1-Dichloroethane
 Concen: 4.905 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037495.D
 Acq: 31 Mar 2020 12:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion: 63 Resp: 57610
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.7 43.9
 83 13.1 10.6 19.6

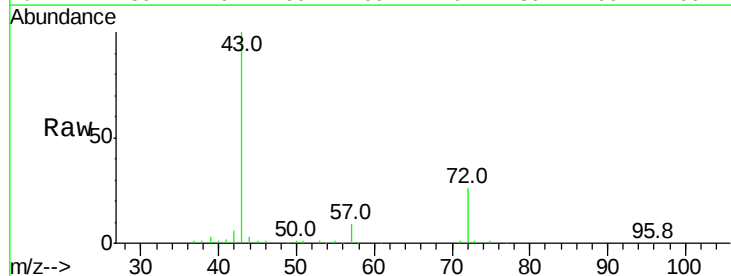


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

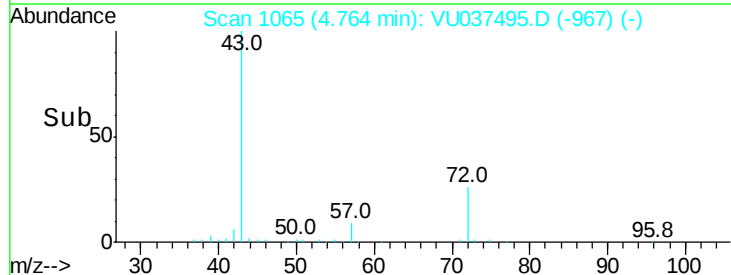
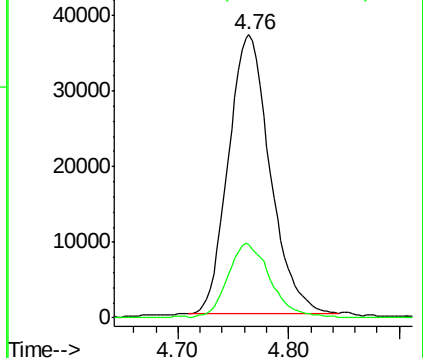


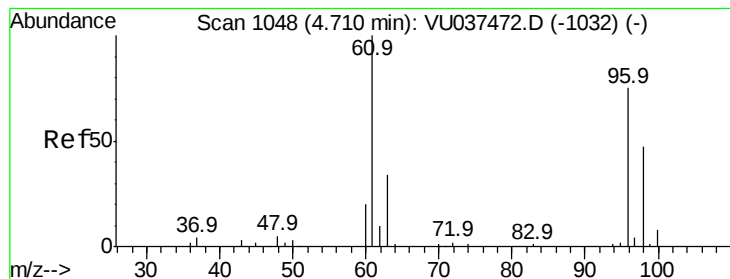
#21
 2-Butanone
 Concen: 53.982 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.02 min
 Lab File: VU037495.D
 Acq: 31 Mar 2020 12:13

Tgt Ion: 43 Resp: 96951
 Ion Ratio Lower Upper
 43 100
 72 27.3 14.2 42.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.781 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

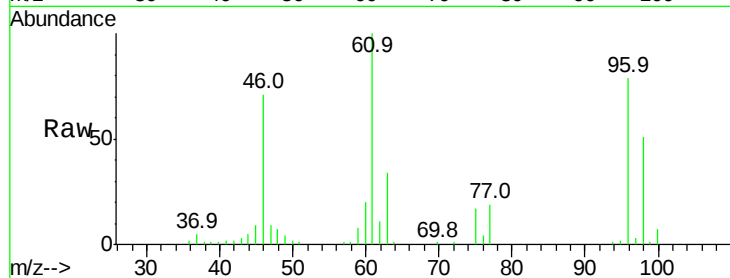
Tgt Ion: 96 Resp: 33671

Ion Ratio Lower Upper

96 100

61 127.3 91.6 170.2

68 0.0 0.0 0.0

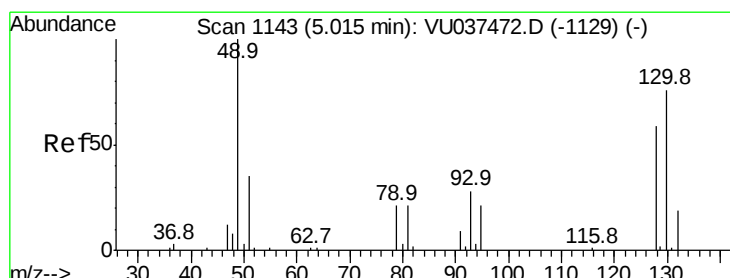
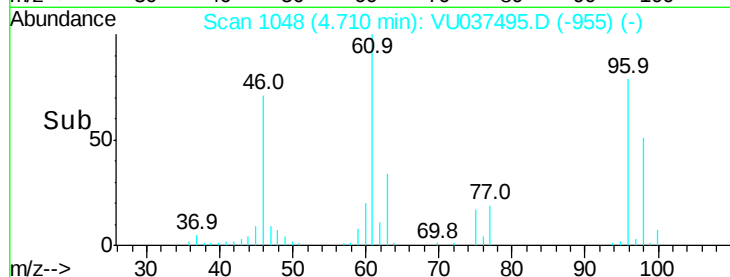
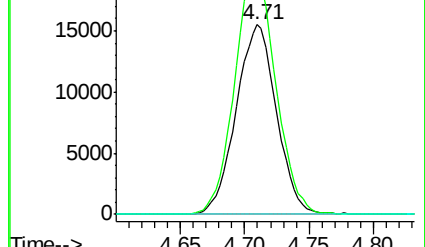


Abundance Ion 96.00 (95.70 to 96.70): VU037495.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU037495.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU037495.D (-955) (-)

Time-->



#23

Bromochloromethane

Concen: 4.594 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Tgt Ion: 128 Resp: 14294

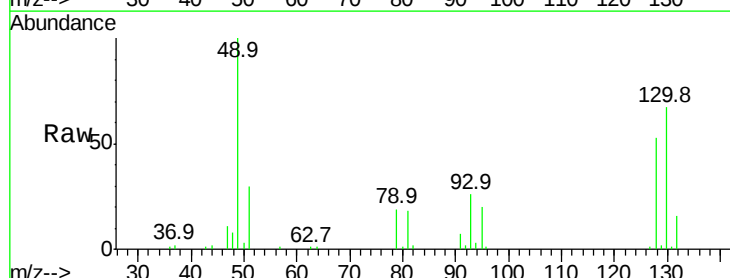
Ion Ratio Lower Upper

128 100

49 189.1 119.1 221.3

130 126.6 92.6 172.0

51 56.7 43.7 65.5



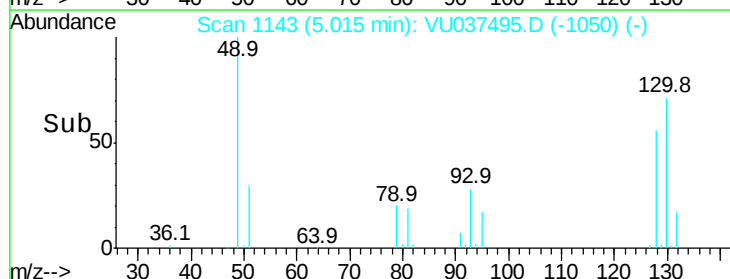
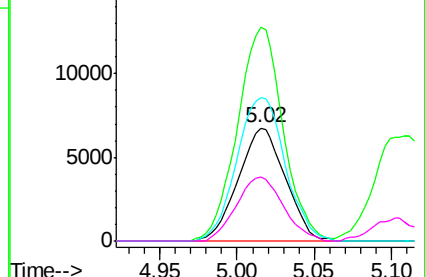
Abundance Ion 127.90 (127.60 to 128.60): VU037495.D (-1050) (-)

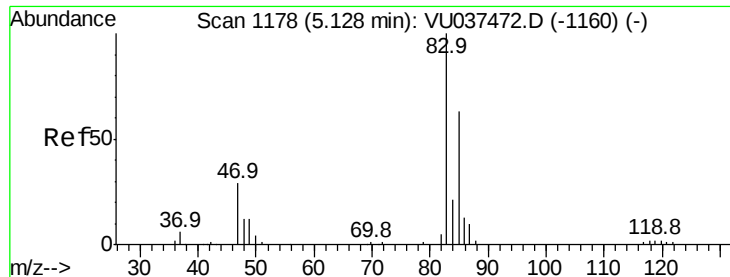
Ion 49.10 (48.80 to 49.80): VU037495.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU037495.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU037495.D (-1050) (-)

Time-->

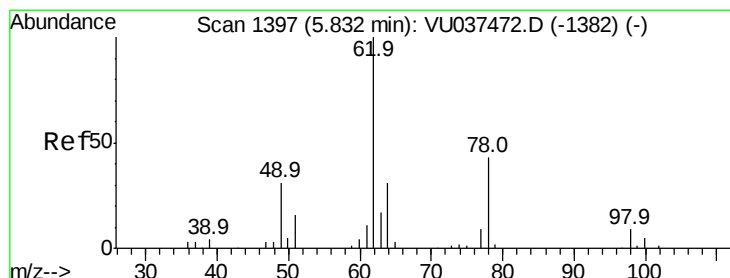
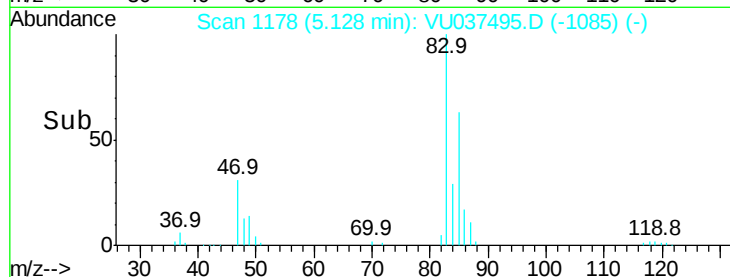
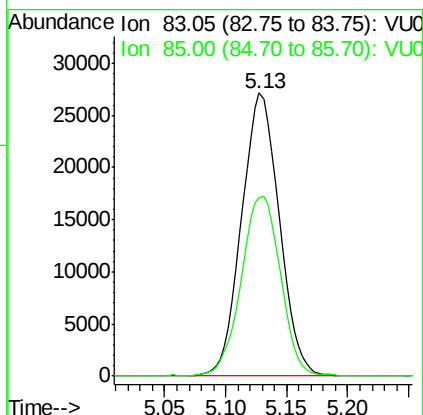
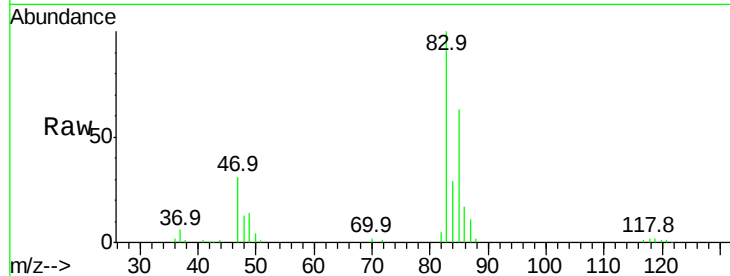




#25
Chloroform
Concen: 4.698 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037495.D
Acq: 31 Mar 2020 12:13

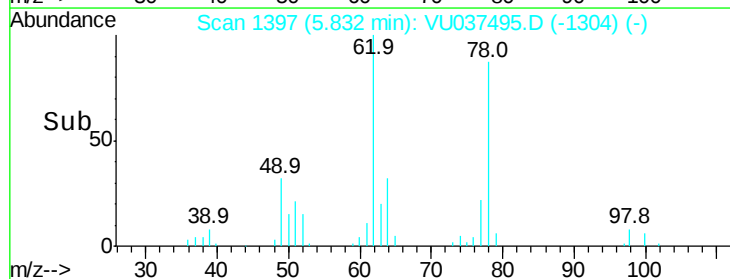
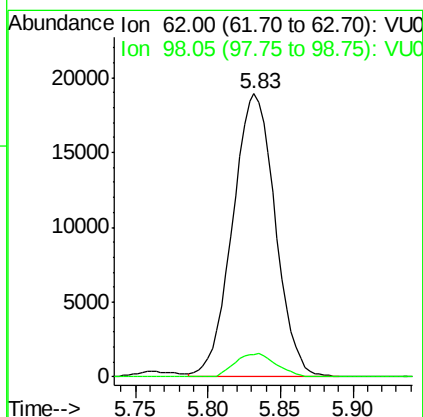
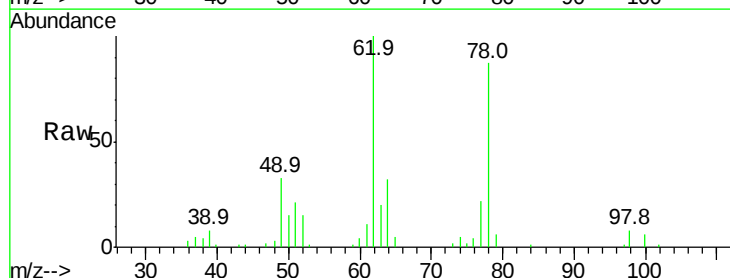
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

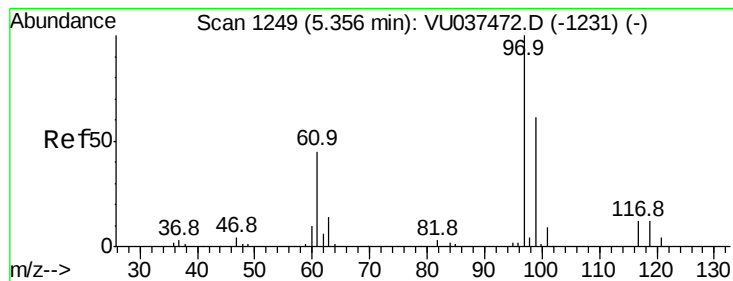
Tgt Ion: 83 Resp: 58056
Ion Ratio Lower Upper
83 100
85 63.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.687 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037495.D
Acq: 31 Mar 2020 12:13

Tgt Ion: 62 Resp: 38694
Ion Ratio Lower Upper
62 100
98 7.9 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 4.904 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

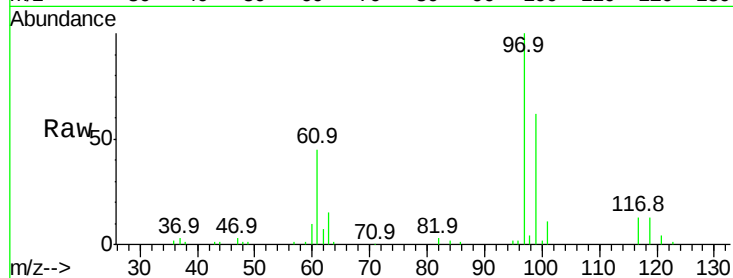
Tgt Ion: 97 Resp: 51537

Ion Ratio Lower Upper

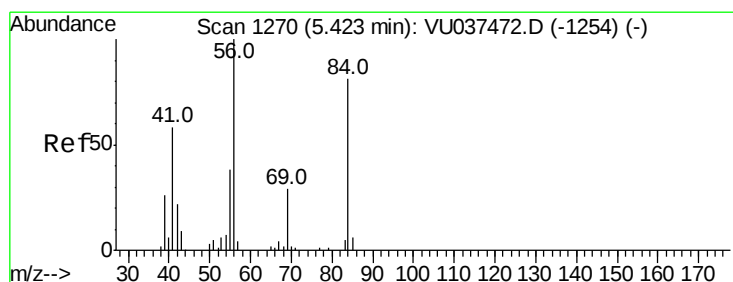
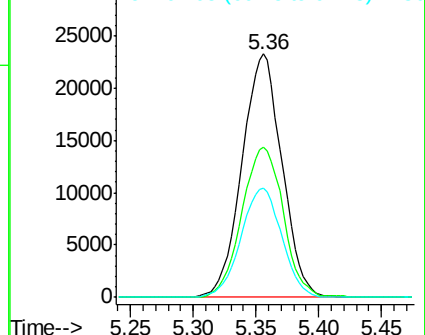
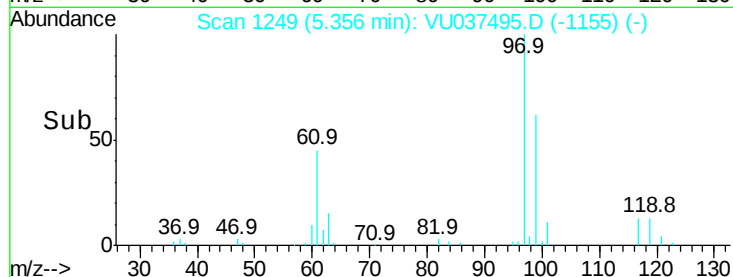
97 100

99 63.6 51.0 76.6

61 45.6 36.7 55.1



Abundance Ion 96.95 (96.65 to 97.65): VU037495.D (-1155) (-)



#30

Cyclohexane

Concen: 5.214 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

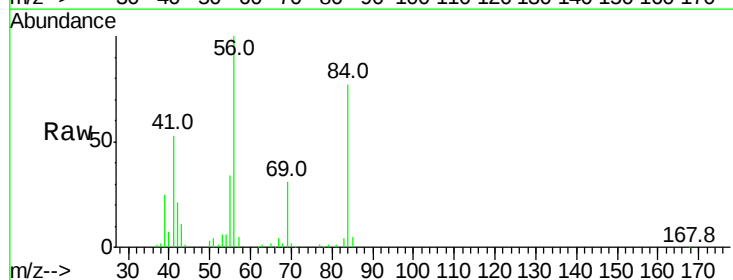
Tgt Ion: 56 Resp: 56156

Ion Ratio Lower Upper

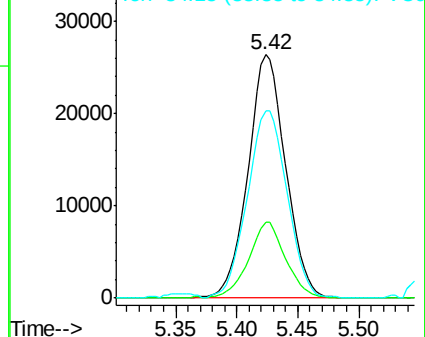
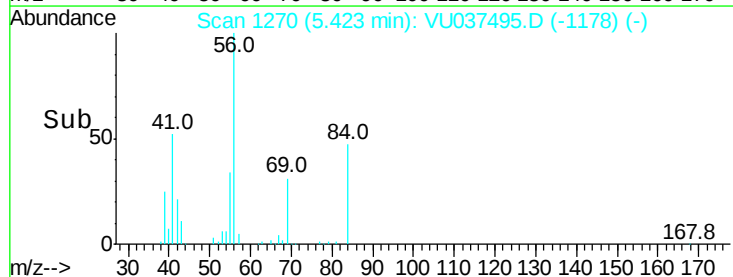
56 100

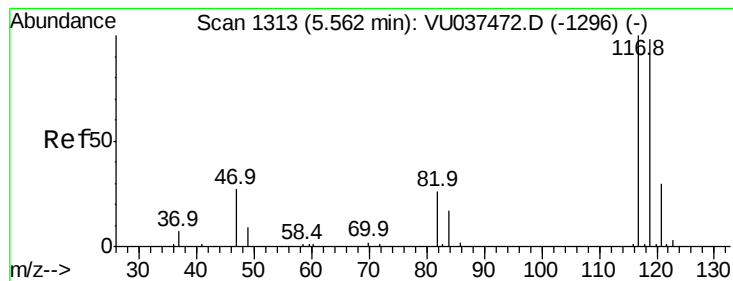
69 30.5 25.7 38.5

84 81.6 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VU037495.D (-1178) (-)





#31

Carbon tetrachloride

Concen: 4.633 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

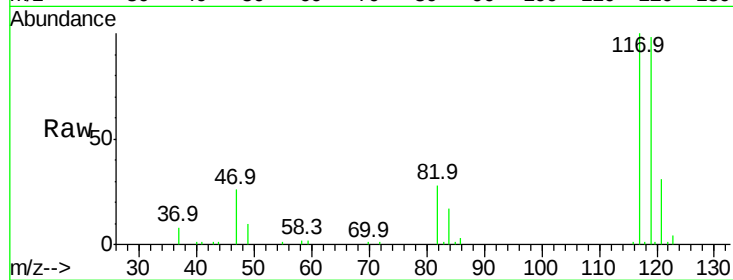
VSTD00505

Tgt Ion:117 Resp: 42045

Ion Ratio Lower Upper

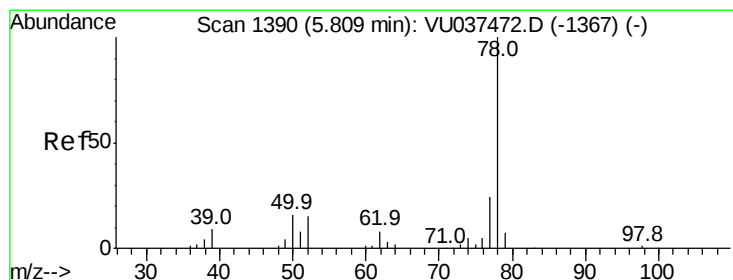
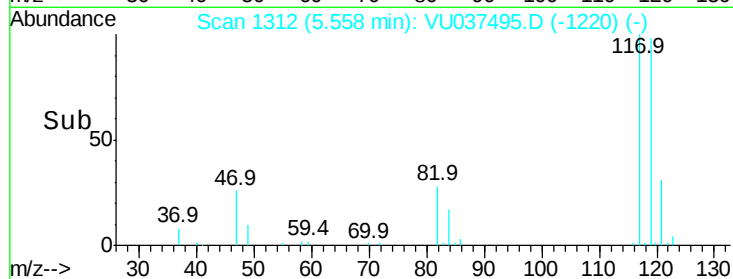
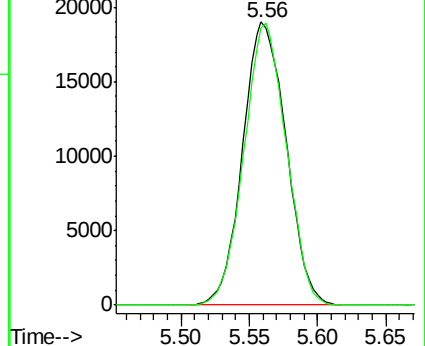
117 100

119 97.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.108 ug/L

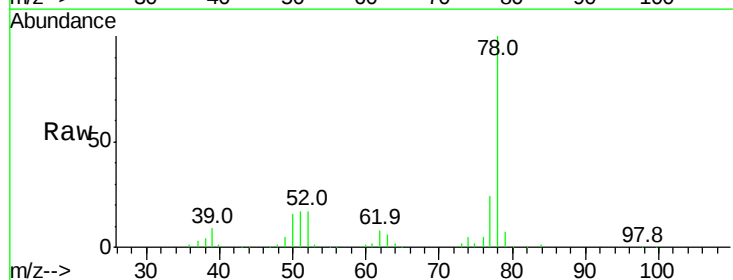
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

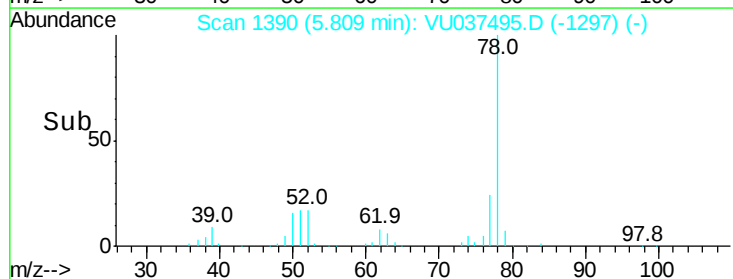
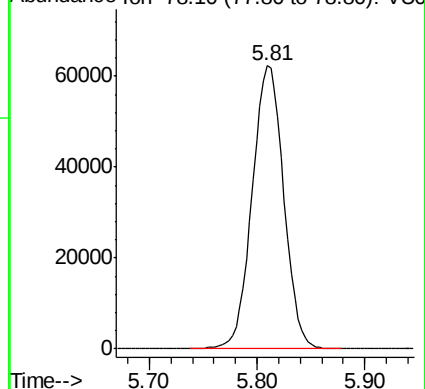
Lab File: VU037495.D

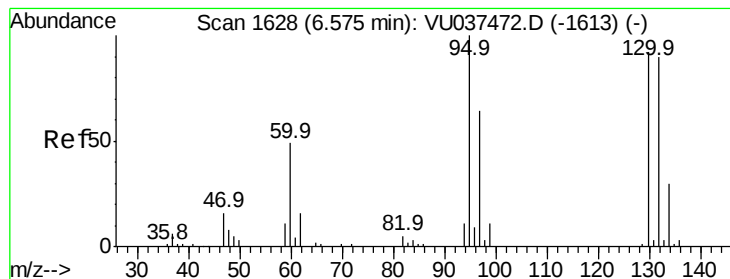
Acq: 31 Mar 2020 12:13

Tgt Ion: 78 Resp: 126479



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.816 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

Tgt Ion: 95 Resp: 33967

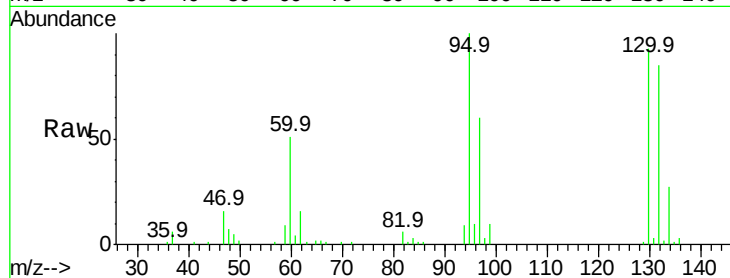
Ion Ratio Lower Upper

95 100

97 59.7 45.3 84.1

132 85.4 62.7 116.5

130 92.9 69.1 128.3

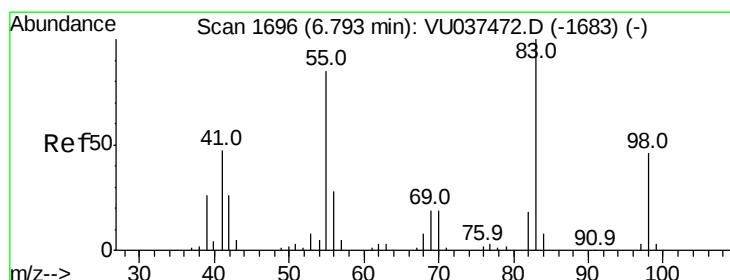
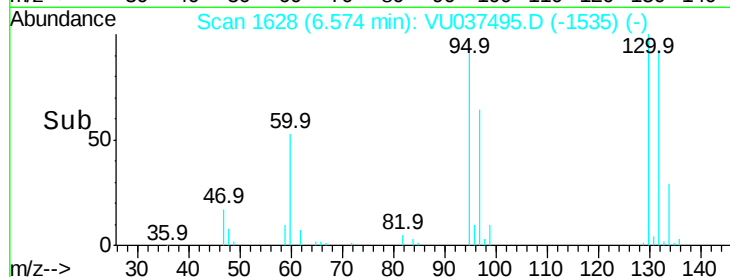
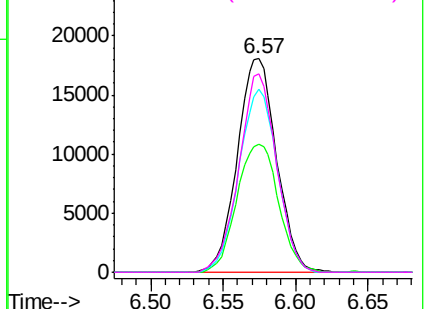


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.898 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

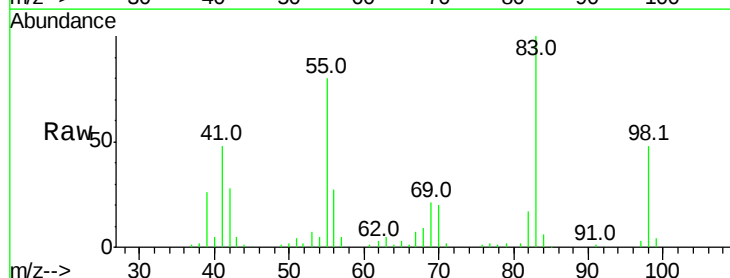
Tgt Ion: 83 Resp: 54673

Ion Ratio Lower Upper

83 100

55 80.5 64.2 96.4

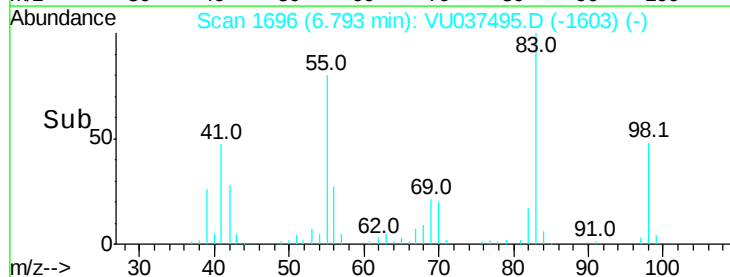
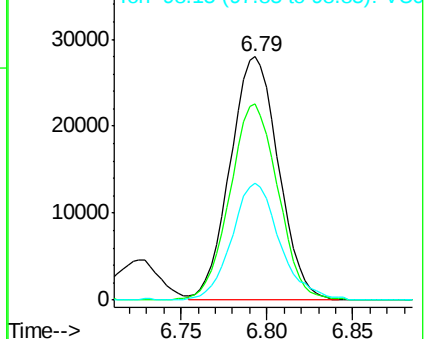
98 47.7 36.3 54.5

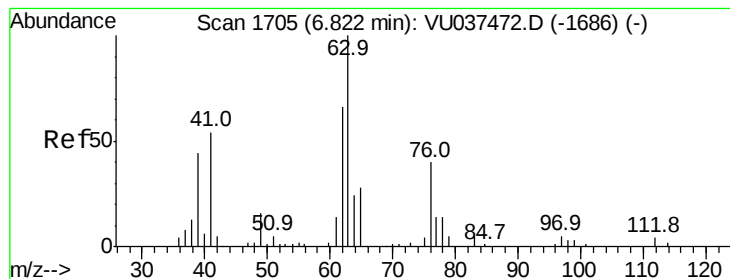


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.286 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

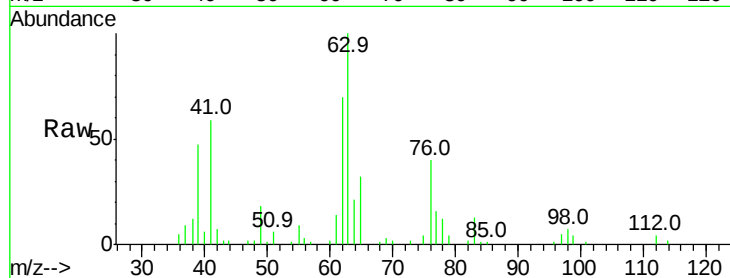
VSTD00505

Tgt Ion: 63 Resp: 33839

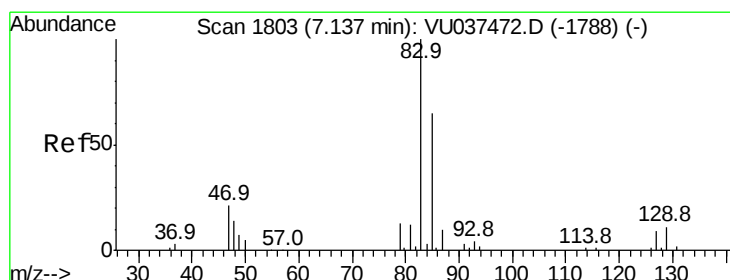
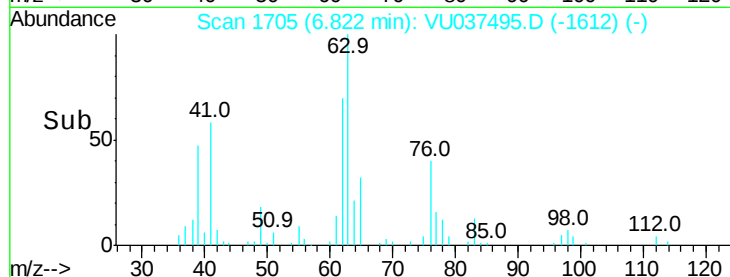
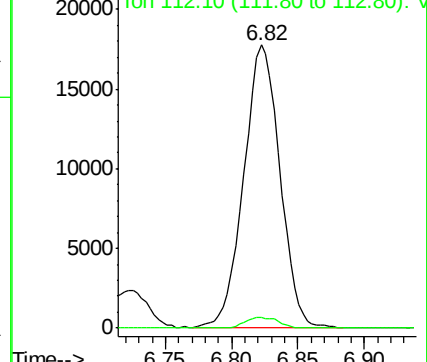
Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU037495.D (-1612) (-)



#38

Bromodichloromethane

Concen: 5.150 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

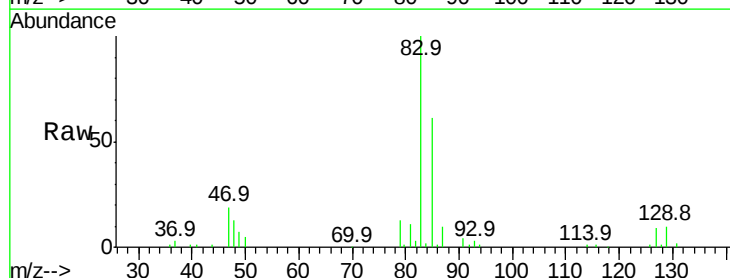
Tgt Ion: 83 Resp: 45079

Ion Ratio Lower Upper

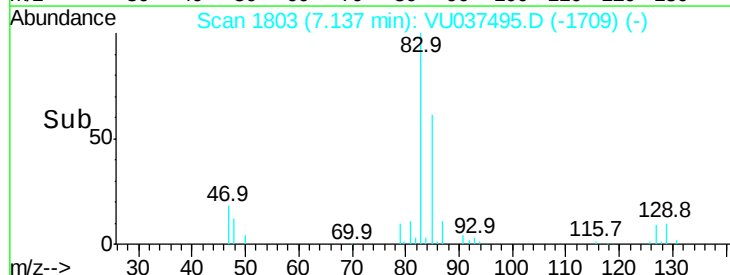
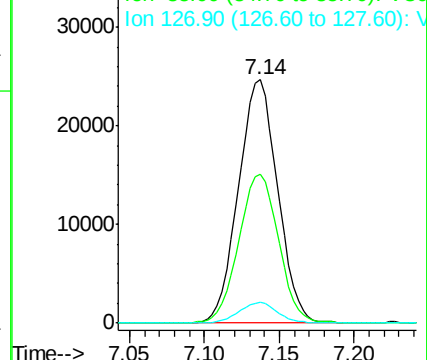
83 100

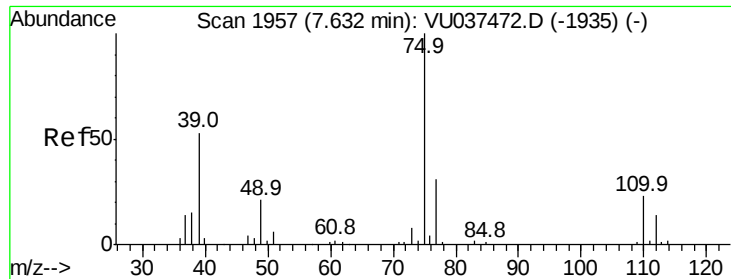
85 61.0 42.4 78.8

127 8.6 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU037495.D (-1709) (-)





#39

cis-1,3-Dichloropropene

Concen: 5.025 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

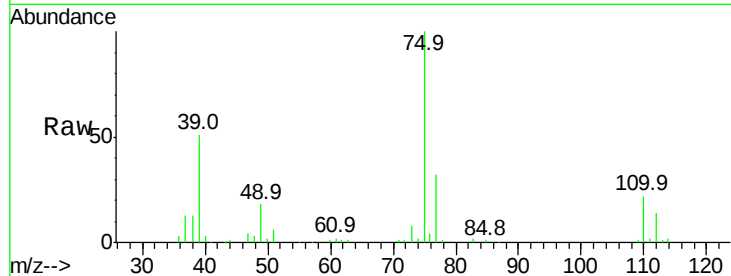
VSTD00505

Tgt Ion: 75 Resp: 52449

Ion Ratio Lower Upper

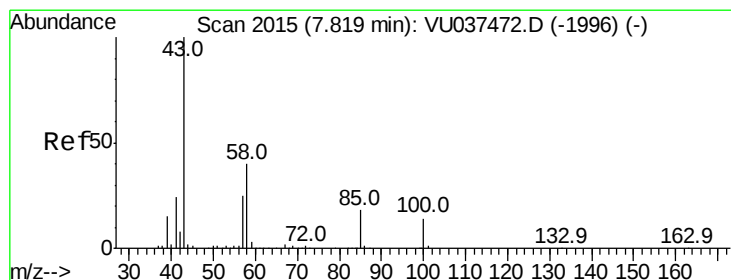
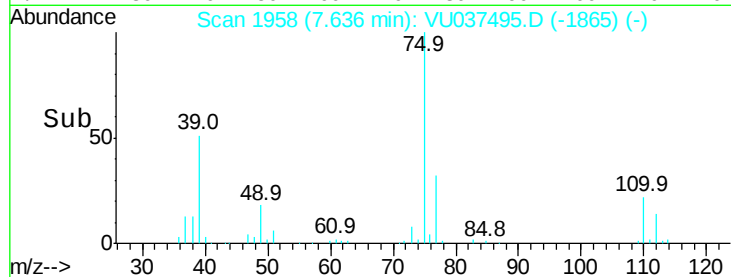
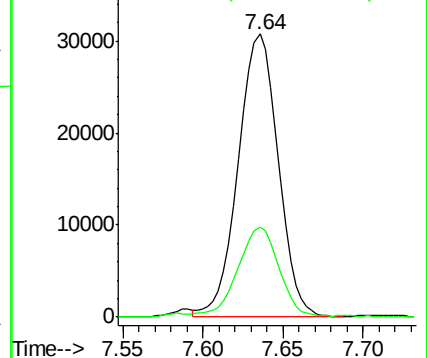
75 100

77 32.0 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 58.254 ug/L

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

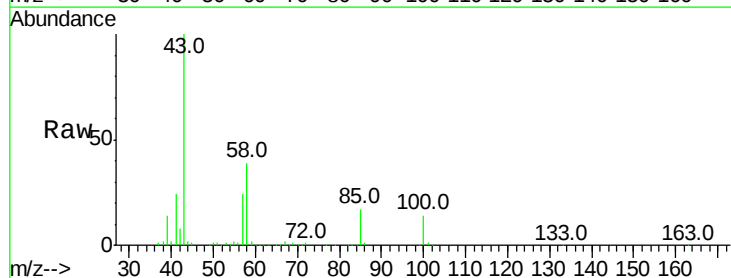
Tgt Ion: 43 Resp: 248263

Ion Ratio Lower Upper

43 100

58 39.0 32.1 48.1

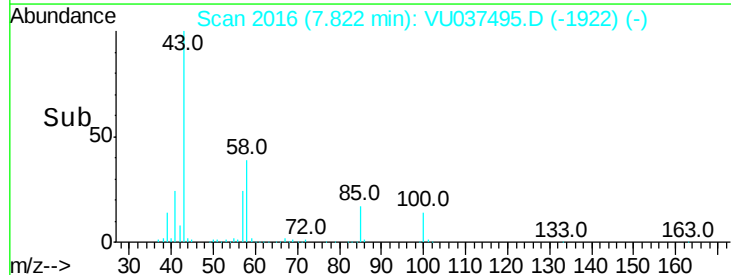
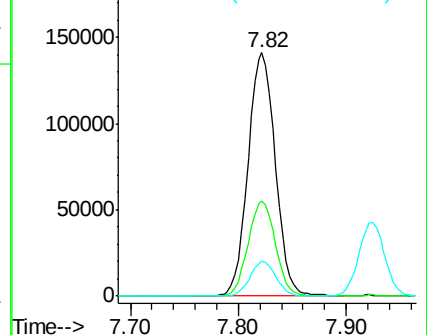
100 13.6 11.6 17.4

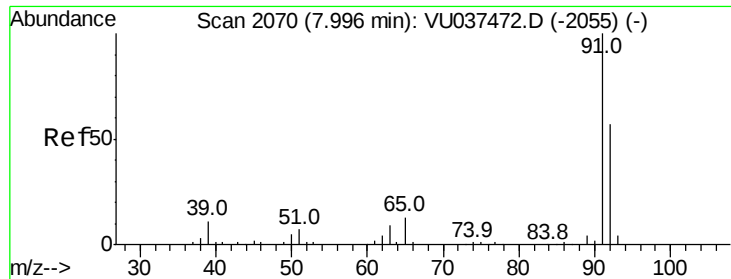


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.069 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

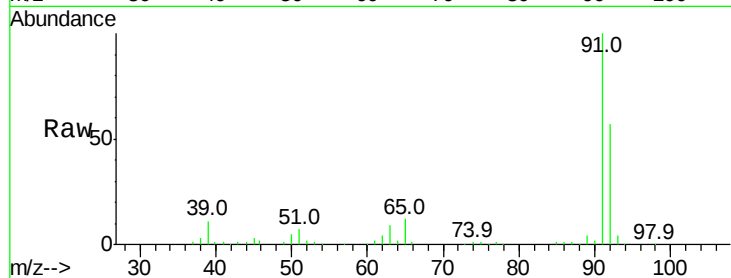
VSTD00505

Tgt Ion: 91 Resp: 135253

Ion Ratio Lower Upper

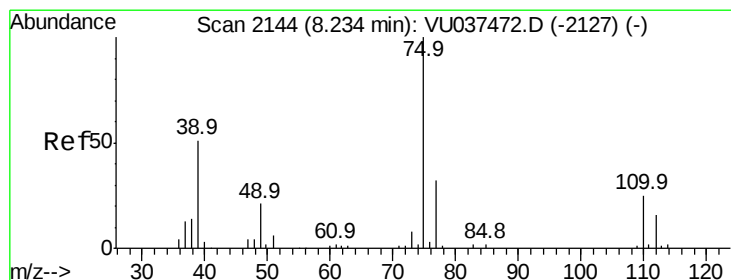
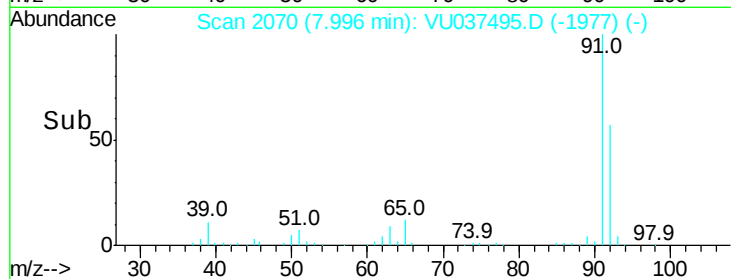
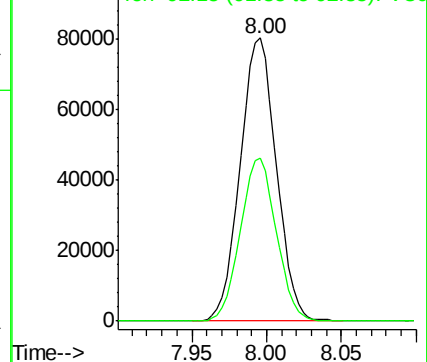
91 100

92 57.4 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.998 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037495.D

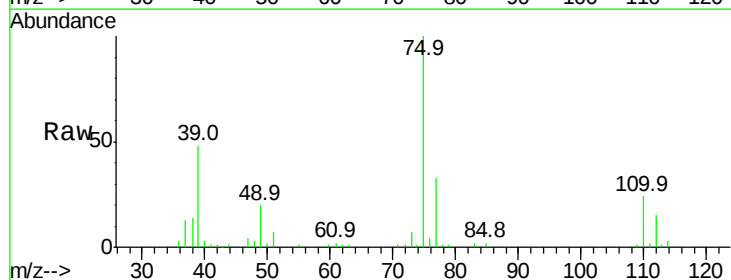
Acq: 31 Mar 2020 12:13

Tgt Ion: 75 Resp: 46635

Ion Ratio Lower Upper

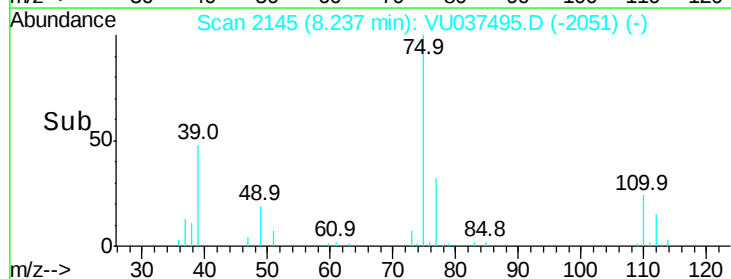
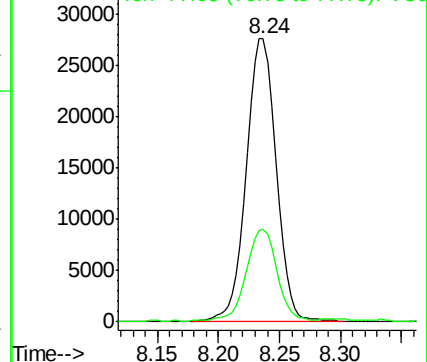
75 100

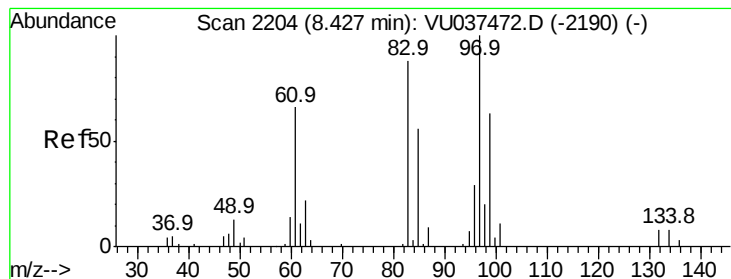
77 32.7 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.044 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

Tgt Ion: 97 Resp: 24148

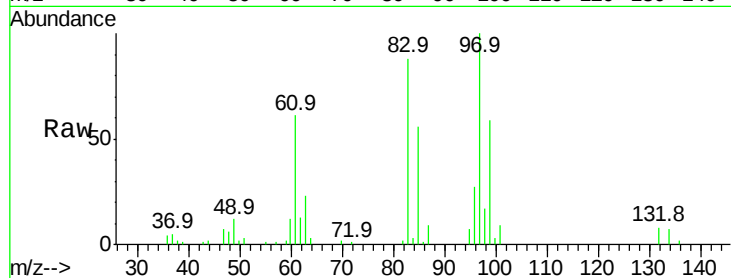
Ion Ratio Lower Upper

97 100

99 59.4 41.1 76.3

83 87.8 58.7 108.9

85 56.2 38.2 71.0

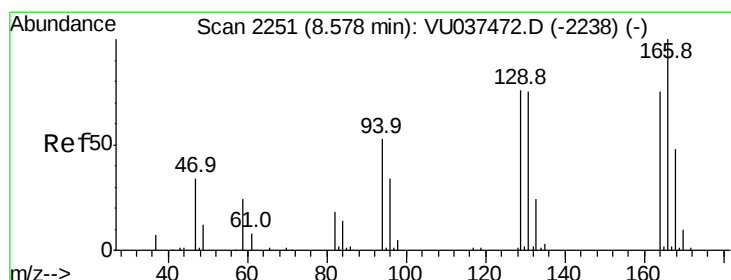
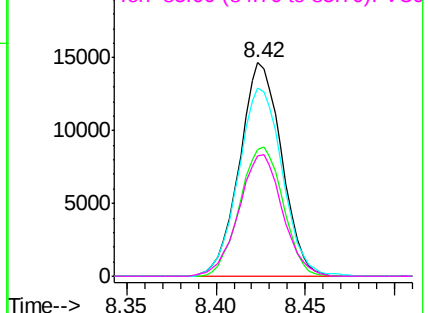
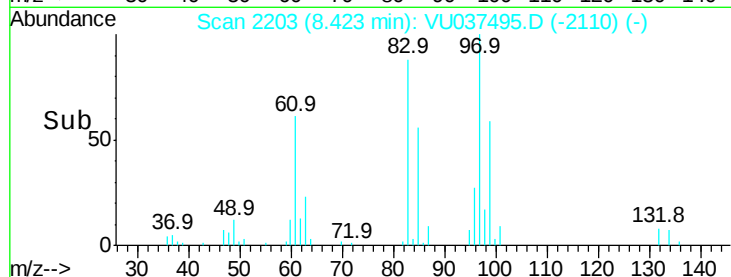


Abundance Ion 96.95 (96.65 to 97.65): VU037495.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU037495.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU037495.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037495.D (-2110) (-)



#47

Tetrachloroethene

Concen: 4.524 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Tgt Ion: 164 Resp: 21976

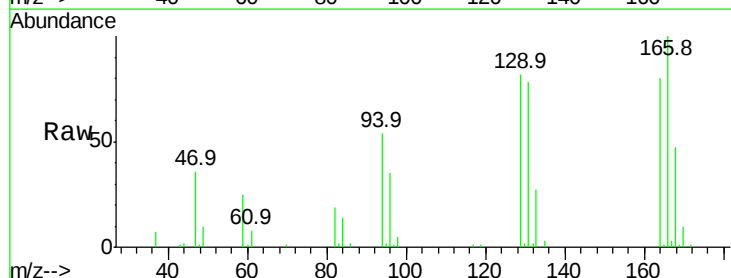
Ion Ratio Lower Upper

164 100

129 101.8 68.8 127.8

131 97.0 66.9 124.3

166 124.3 86.3 160.3

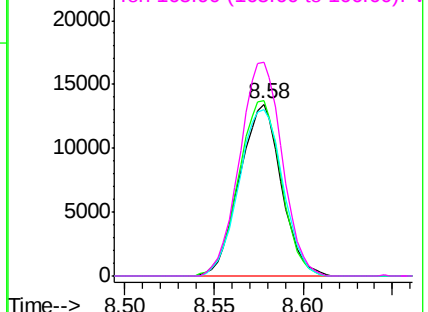
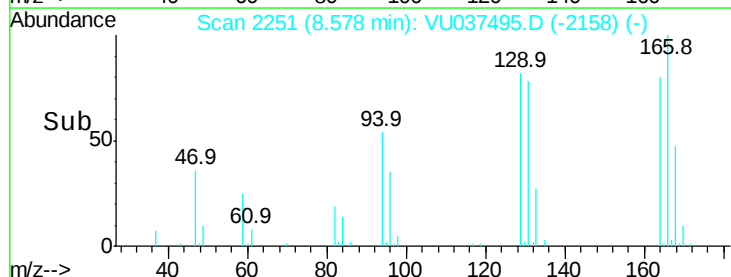


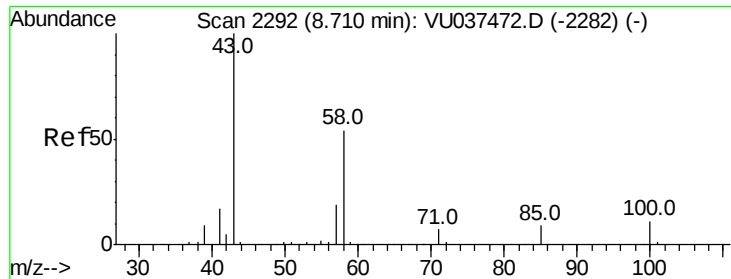
Abundance Ion 163.90 (163.60 to 164.60): VU037495.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU037495.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU037495.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU037495.D (-2158) (-)

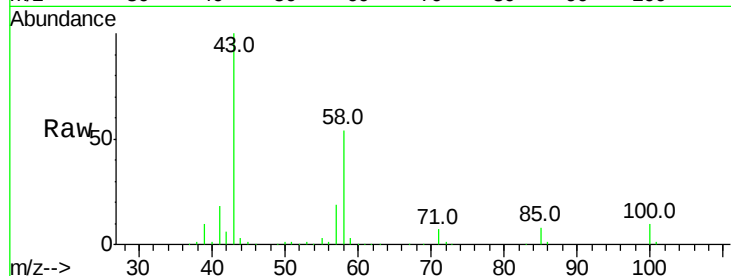




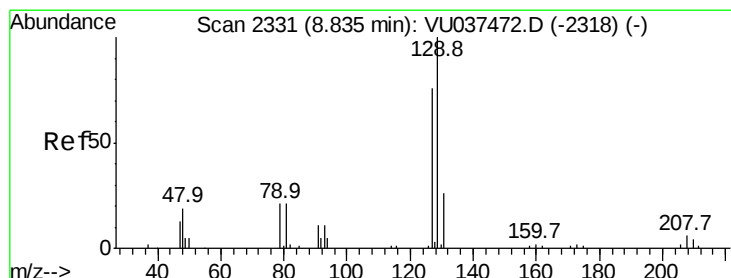
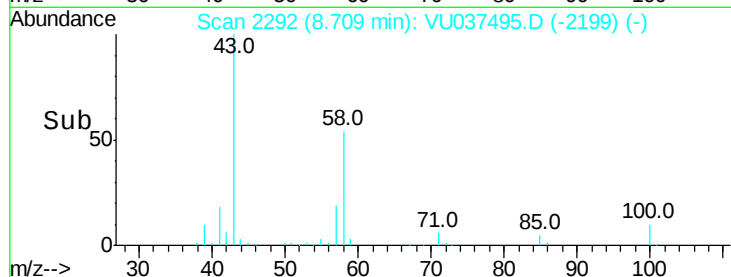
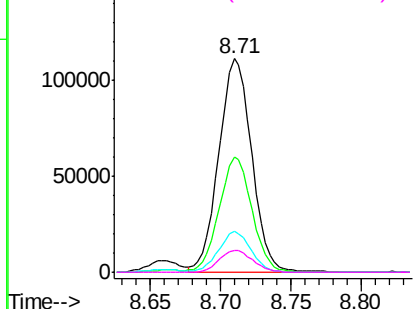
#48
2-Hexanone
Concen: 58.575 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037495.D
Acq: 31 Mar 2020 12:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 43 Resp: 179931
Ion Ratio Lower Upper
43 100
58 54.2 44.2 66.2
57 18.6 15.3 22.9
100 10.4 9.4 14.0

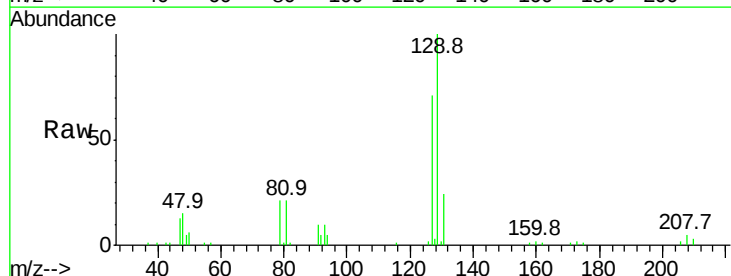


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

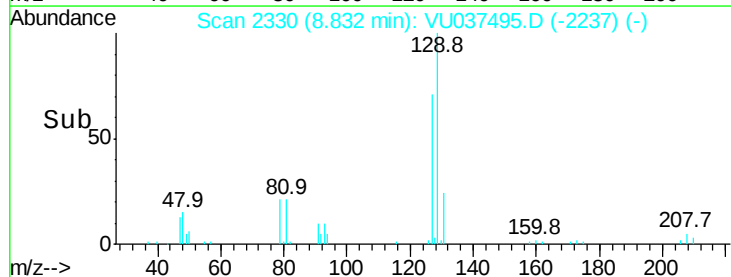
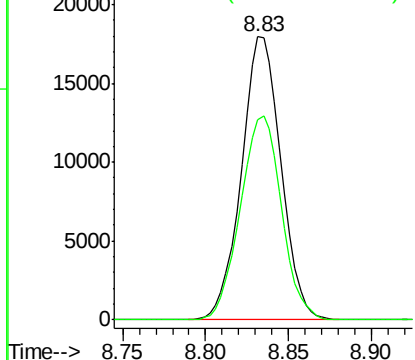


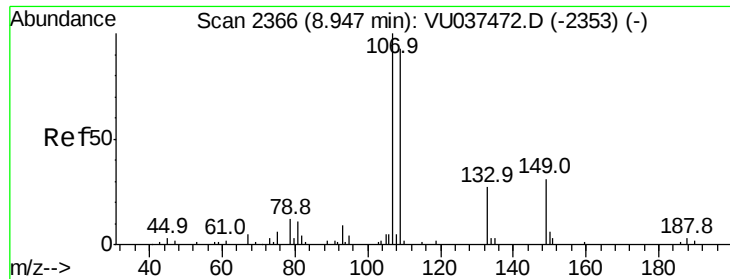
#49
Dibromochloromethane
Concen: 5.042 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037495.D
Acq: 31 Mar 2020 12:13

Tgt Ion: 129 Resp: 29792
Ion Ratio Lower Upper
129 100
127 70.6 53.5 99.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

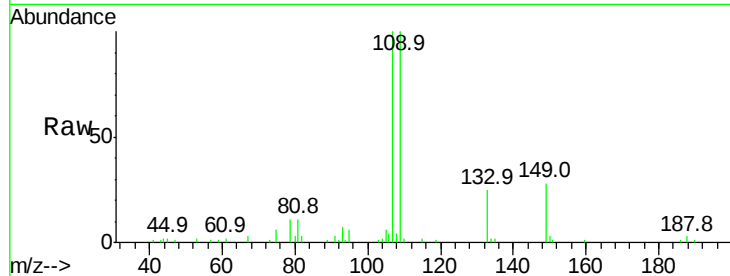




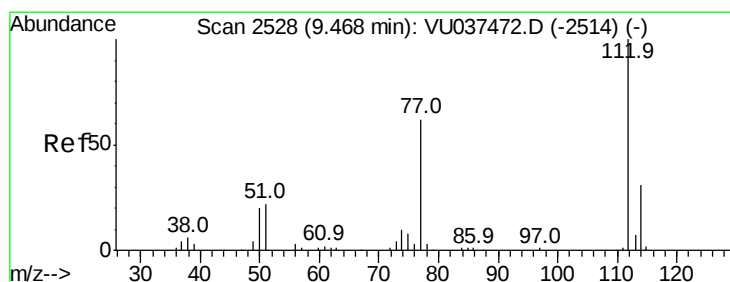
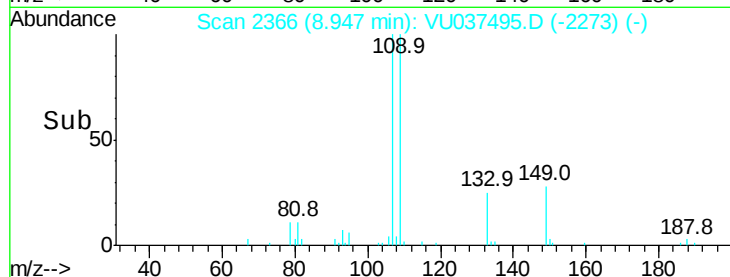
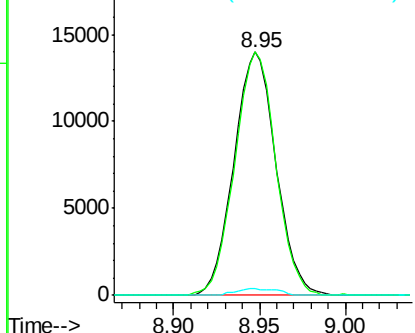
#50
1,2-Dibromoethane
Concen: 5.102 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037495.D
Acq: 31 Mar 2020 12:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:107 Resp: 23709
Ion Ratio Lower Upper
107 100
109 100.2 64.8 120.4
188 2.8 2.6 4.0

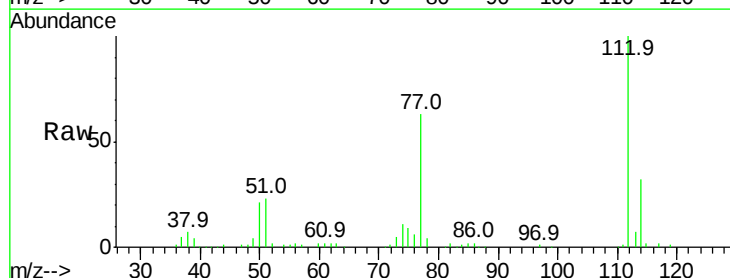


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

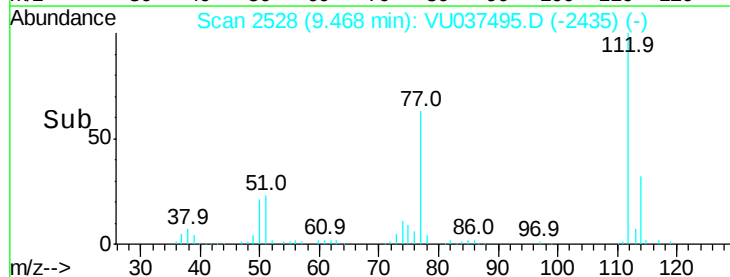
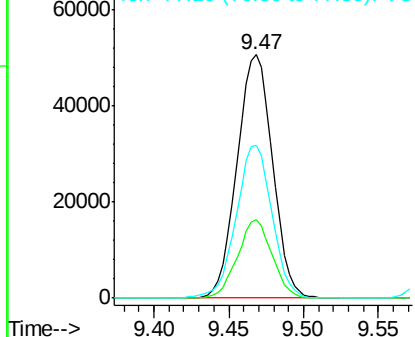


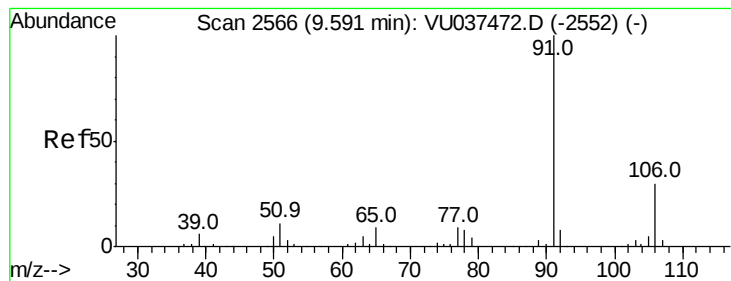
#51
Chlorobenzene
Concen: 4.551 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037495.D
Acq: 31 Mar 2020 12:13

Tgt Ion:112 Resp: 83904
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 63.0 50.5 75.7



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: 5.075 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

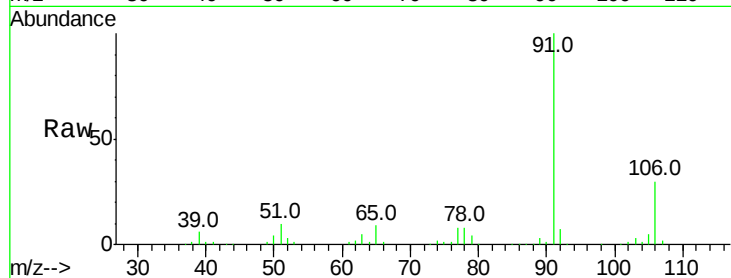
VSTD00505

Tgt Ion: 91 Resp: 155421

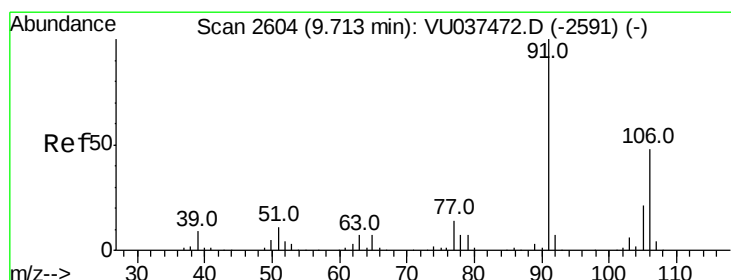
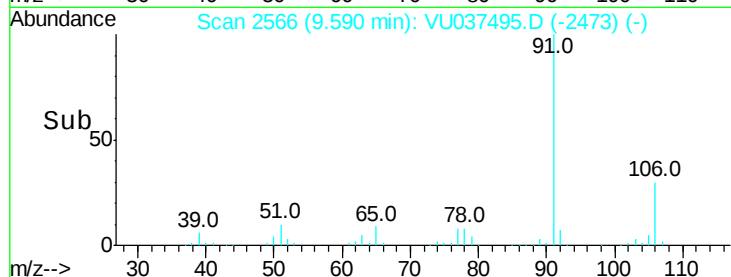
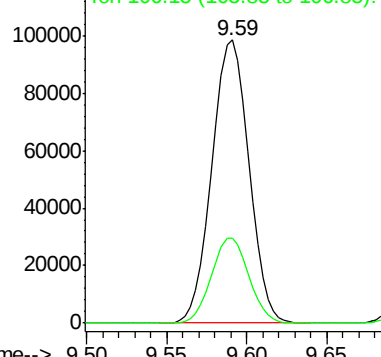
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



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



#53

m,p-Xylene

Concen: 4.989 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037495.D

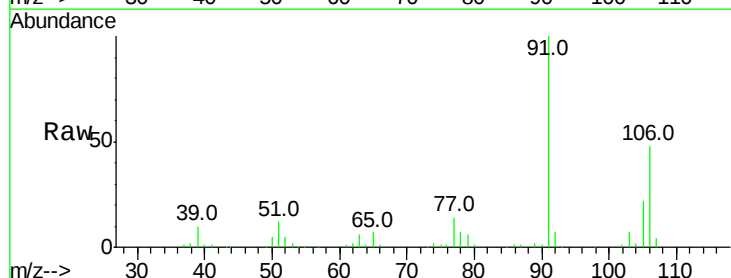
Acq: 31 Mar 2020 12:13

Tgt Ion: 106 Resp: 57727

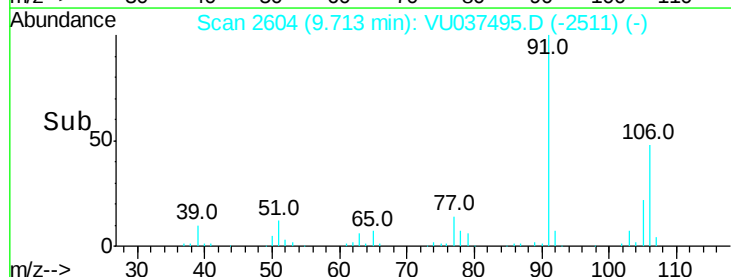
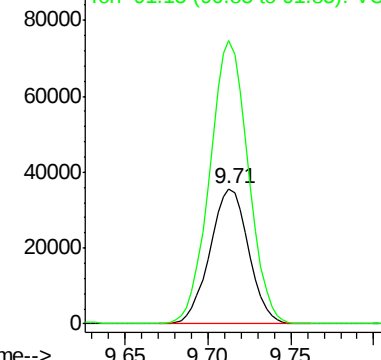
Ion Ratio Lower Upper

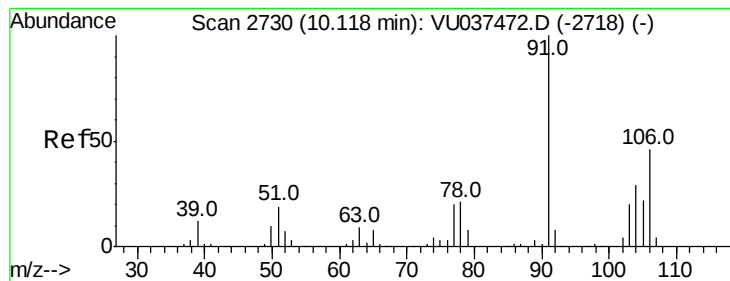
106 100

91 209.7 147.3 273.6



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





#54

o-Xylene

Concen: 4.969 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

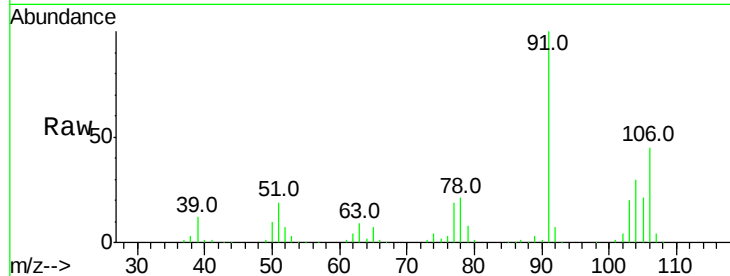
VSTD00505

Tgt Ion:106 Resp: 56115

Ion Ratio Lower Upper

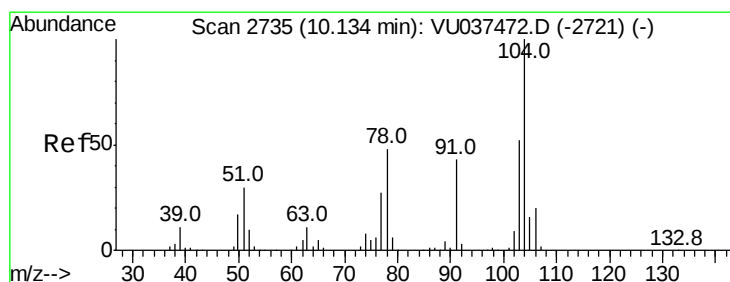
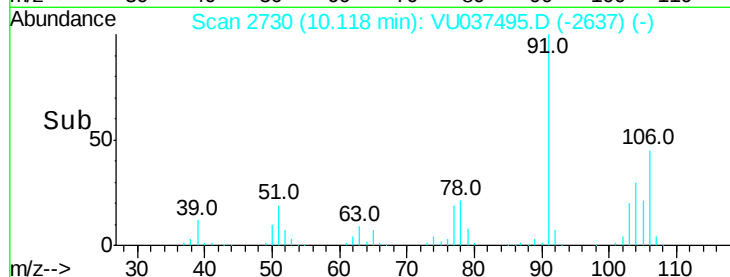
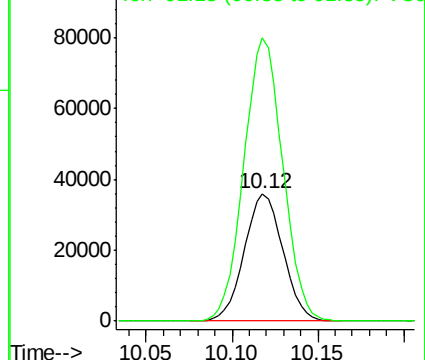
106 100

91 222.3 157.7 292.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.011 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037495.D

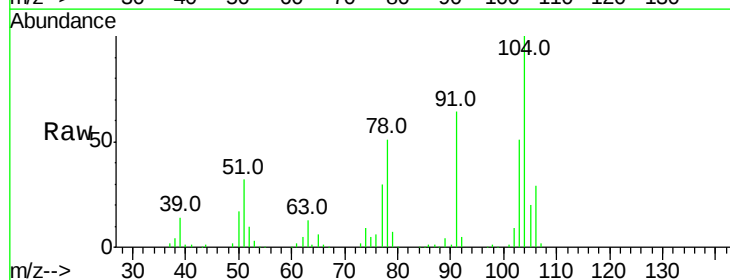
Acq: 31 Mar 2020 12:13

Tgt Ion:104 Resp: 96704

Ion Ratio Lower Upper

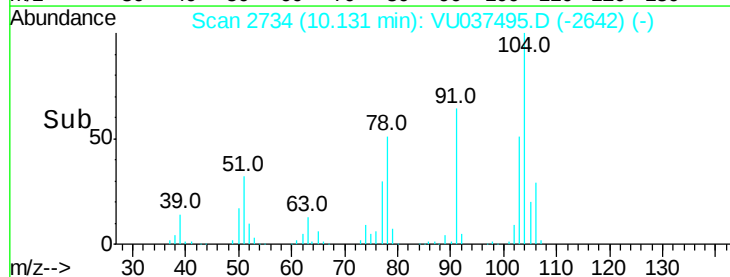
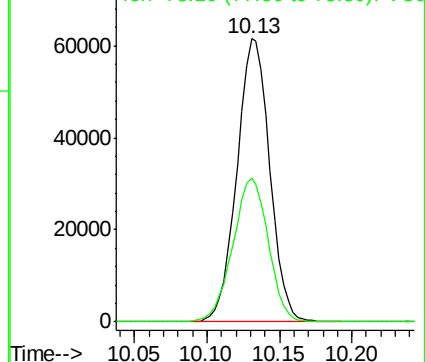
104 100

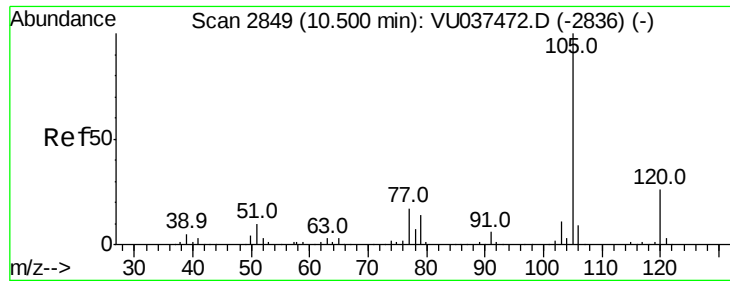
78 51.0 35.8 66.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.934 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

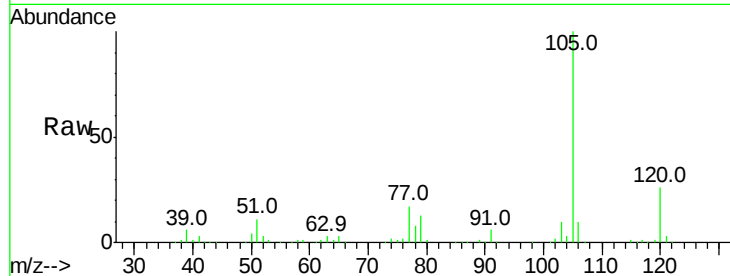
Tgt Ion: 105 Resp: 148468

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4

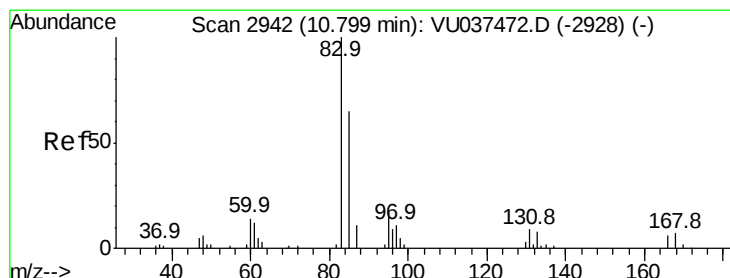
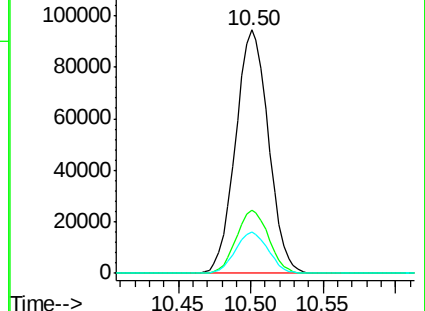
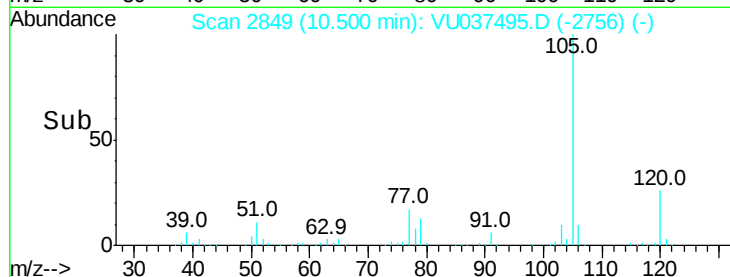
77 17.0 13.4 20.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.398 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

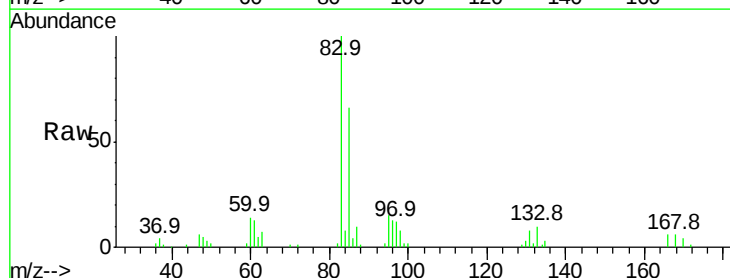
Tgt Ion: 83 Resp: 32991

Ion Ratio Lower Upper

83 100

85 65.6 42.9 79.7

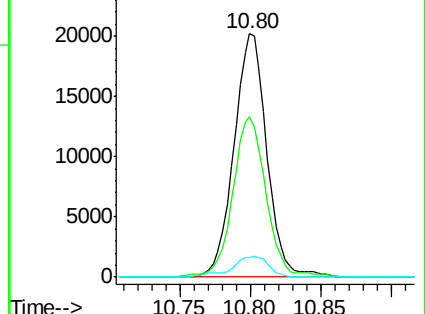
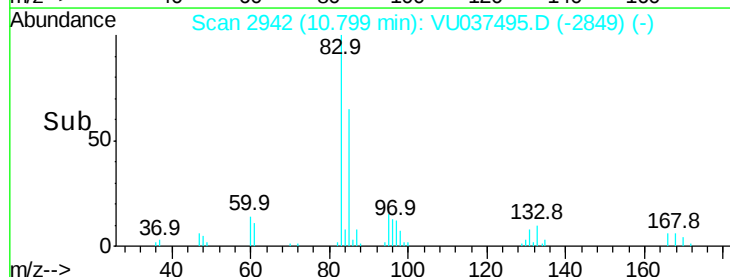
131 8.1 8.1 12.1

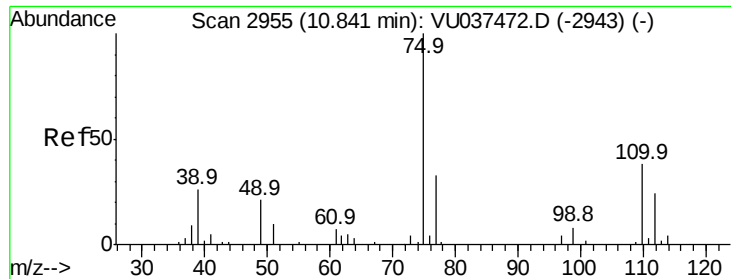


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

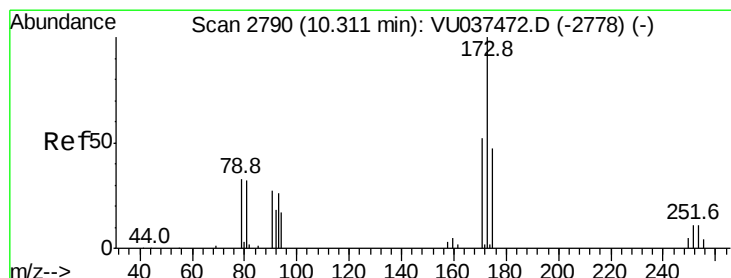
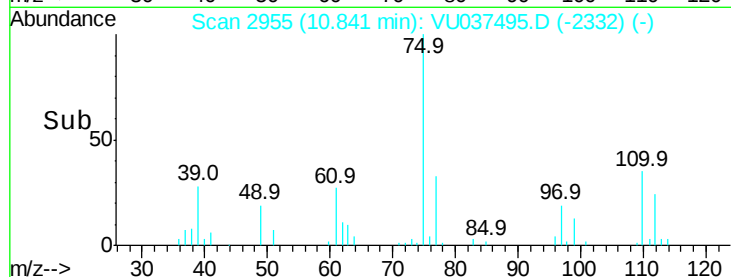
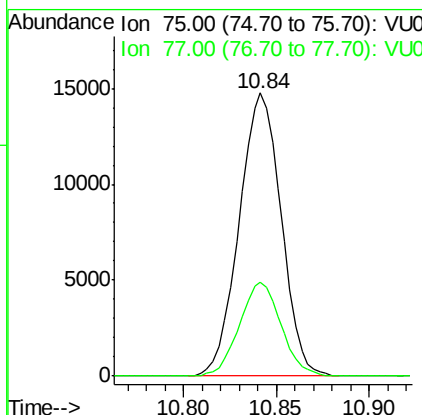
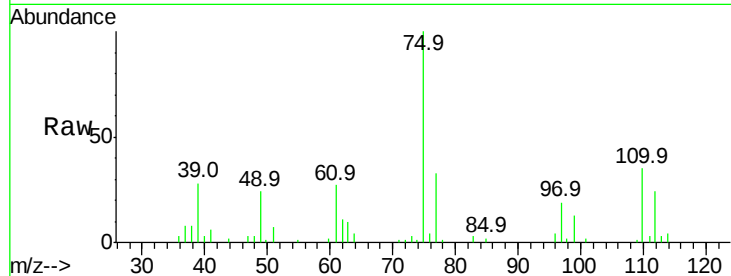




#59
 1,2,3-Trichloropropane
 Concen: 5.223 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU037495.D
 Acq: 31 Mar 2020 12:13

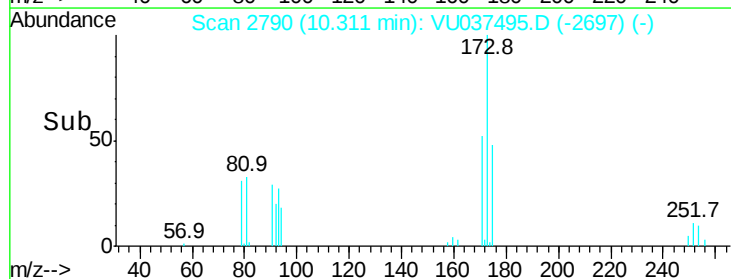
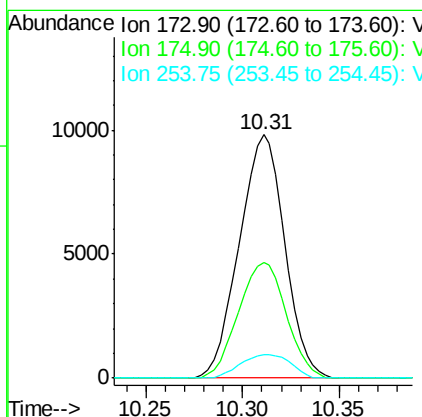
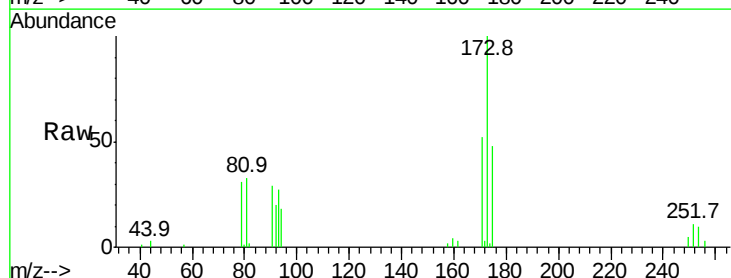
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

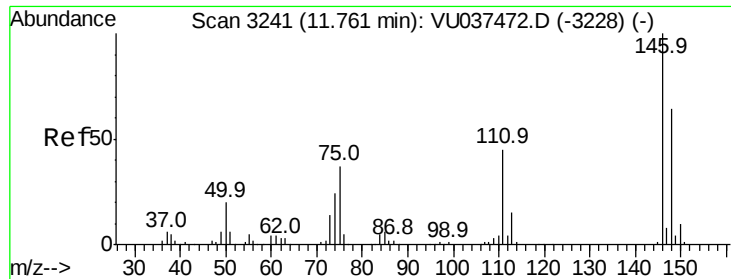
Tgt Ion: 75 Resp: 23256
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.4 41.2



#61
 Bromoform
 Concen: 4.622 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU037495.D
 Acq: 31 Mar 2020 12:13

Tgt Ion: 173 Resp: 16021
 Ion Ratio Lower Upper
 173 100
 175 50.0 40.2 60.4
 254 10.5 11.4 17.2#





#62

1,3-Dichlorobenzene

Concen: 4.682 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

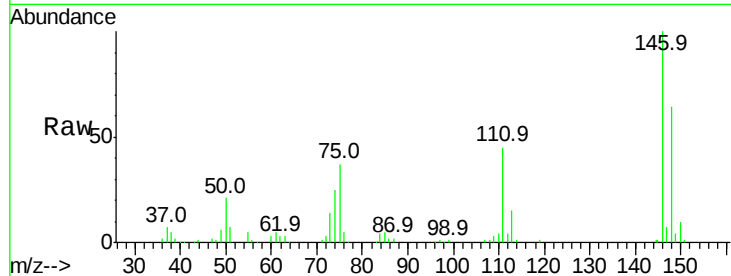
Tgt Ion:146 Resp: 62779

Ion Ratio Lower Upper

146 100

111 44.8 29.4 54.6

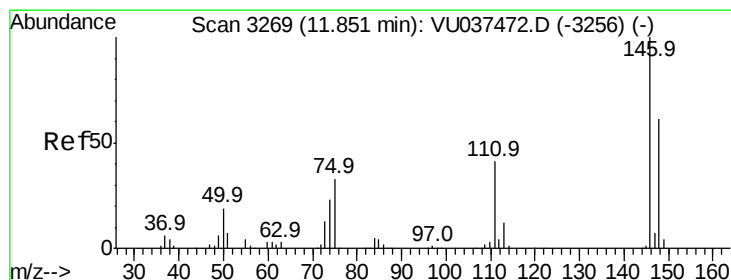
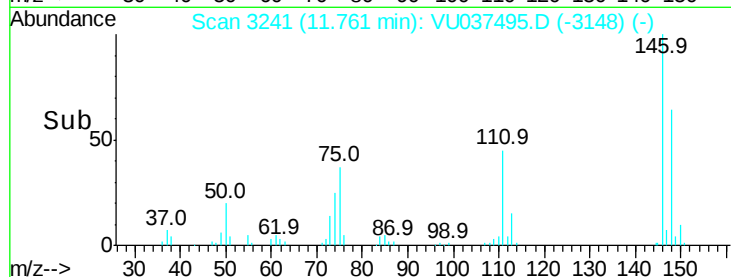
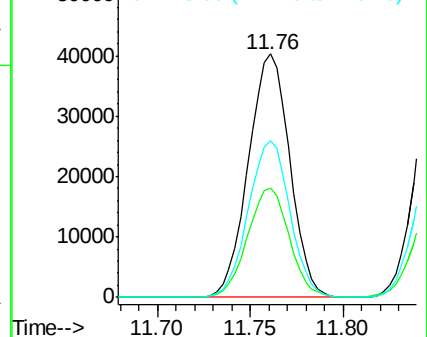
148 64.2 46.1 85.5



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: 4.490 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

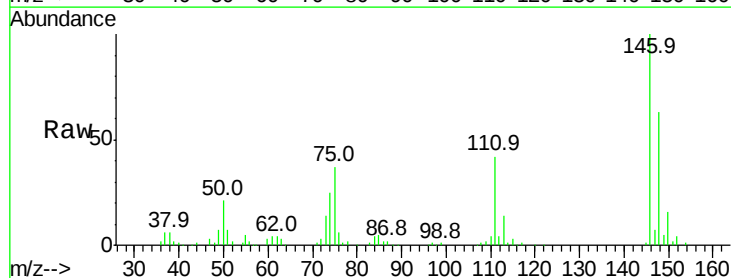
Tgt Ion:146 Resp: 64293

Ion Ratio Lower Upper

146 100

111 42.4 28.8 53.6

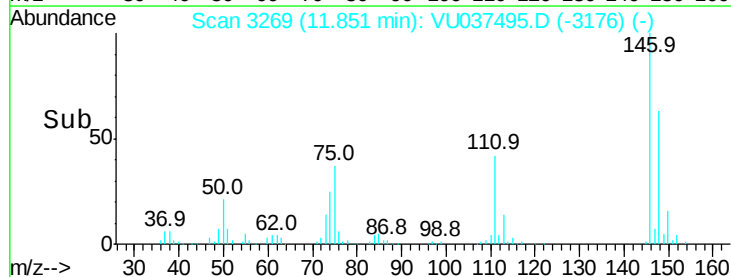
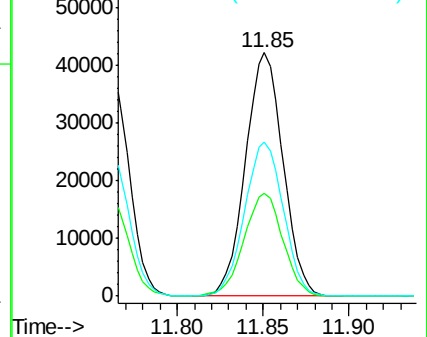
148 63.4 44.5 82.7

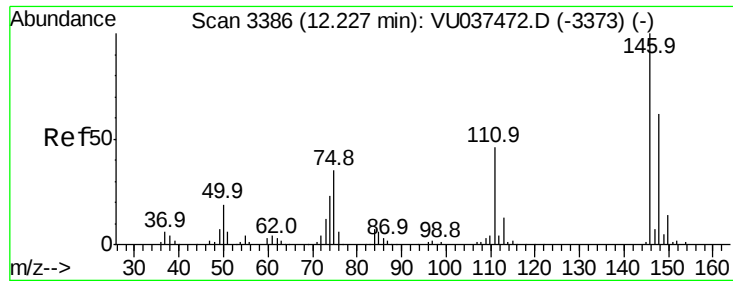


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.704 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

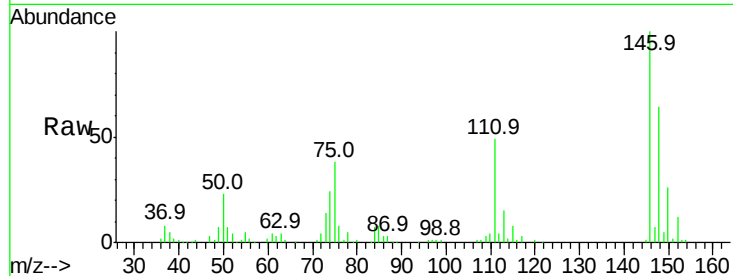
Tgt Ion:146 Resp: 60895

Ion Ratio Lower Upper

146 100

111 48.6 36.2 54.2

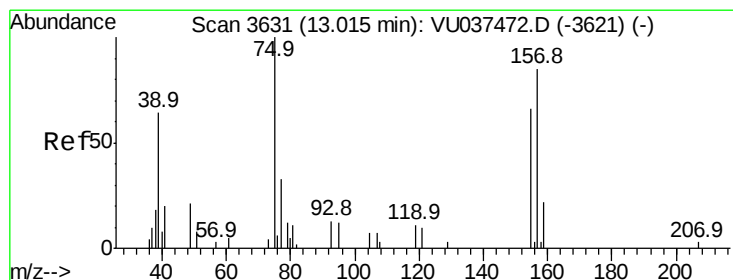
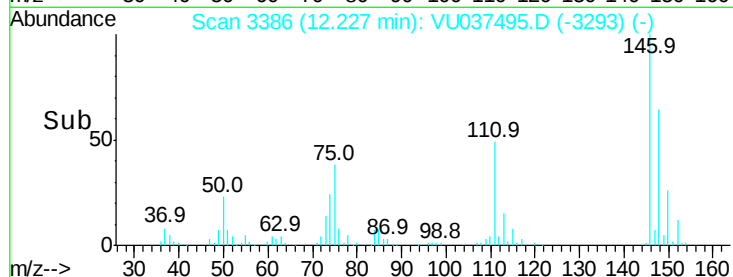
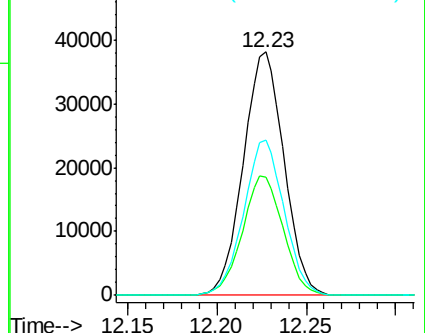
148 64.0 52.1 78.1



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: 5.455 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

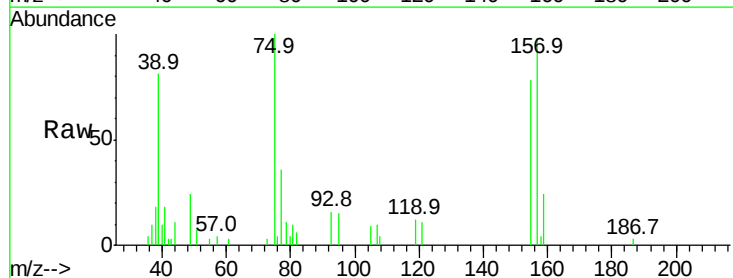
Tgt Ion: 75 Resp: 6213

Ion Ratio Lower Upper

75 100

155 78.0 56.0 84.0

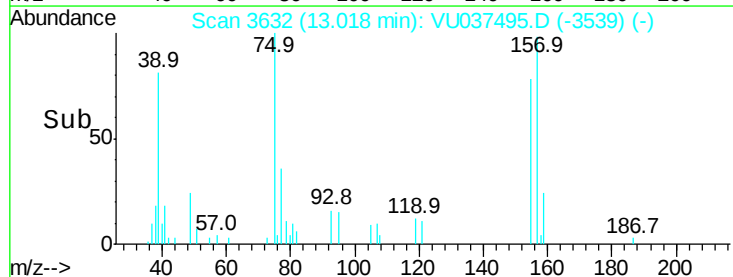
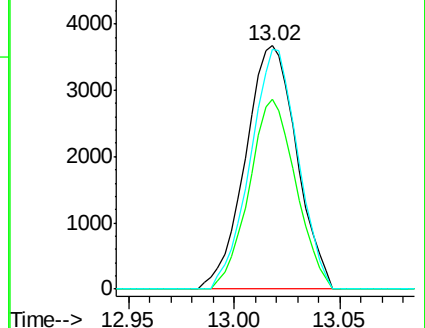
157 98.4 78.3 117.5

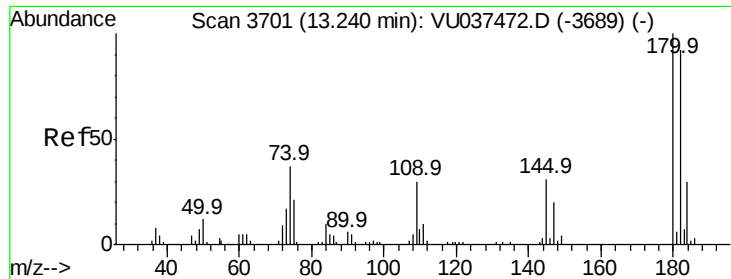


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

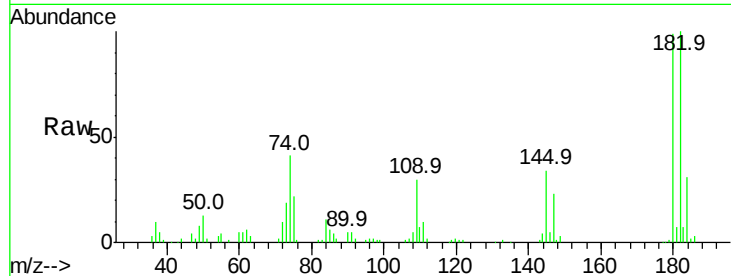




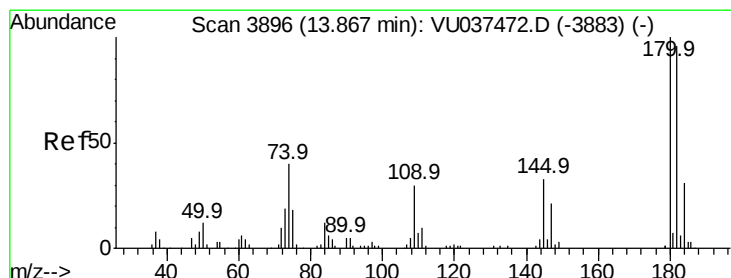
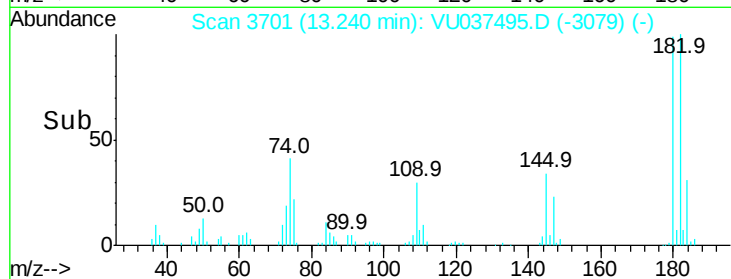
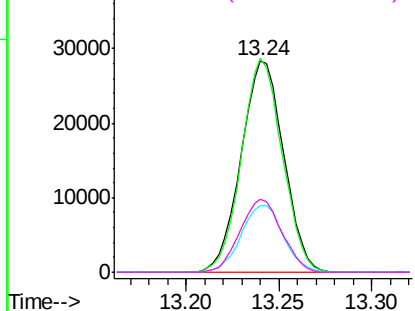
#67
 1,3,5-Trichlorobenzene
 Concen: 4.350 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037495.D
 Acq: 31 Mar 2020 12:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:180 Resp: 45234
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.7 116.5
 184 31.2 24.6 36.8
 145 33.8 25.7 38.5

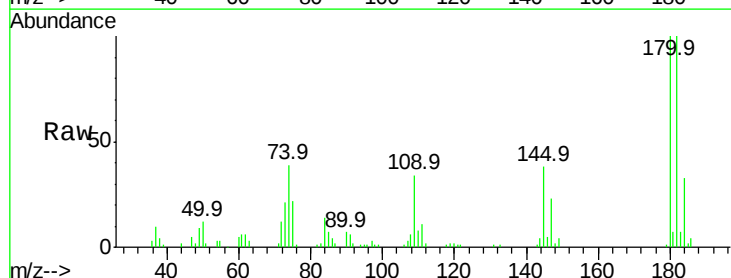


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

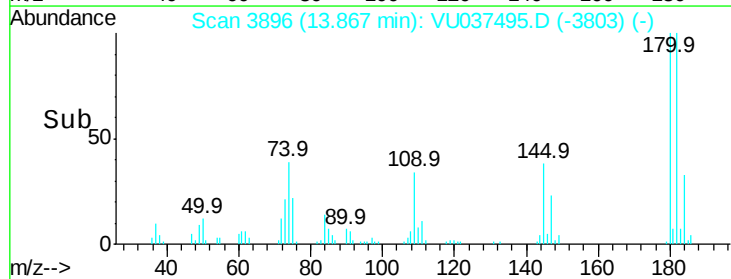
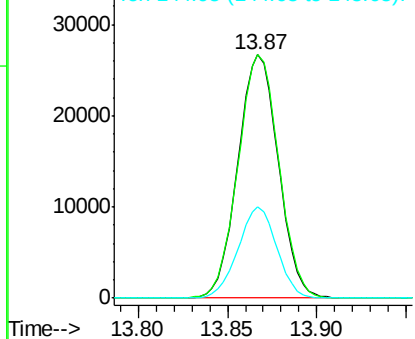


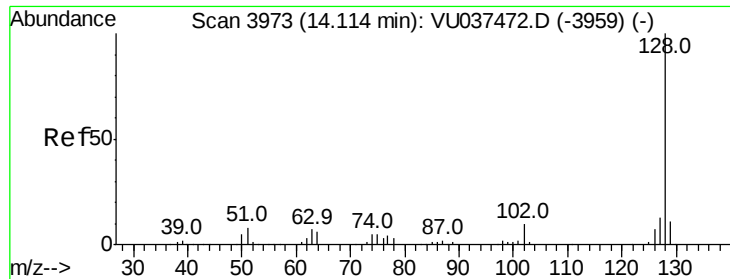
#68
 1,2,4-trichlorobenzene
 Concen: 4.225 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037495.D
 Acq: 31 Mar 2020 12:13

Tgt Ion:180 Resp: 42360
 Ion Ratio Lower Upper
 180 100
 182 100.5 75.8 113.6
 145 35.8 25.5 38.3



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: 5.002 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

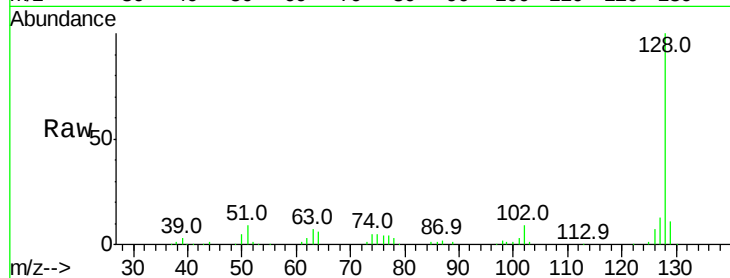
Tgt Ion:128 Resp: 97357

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

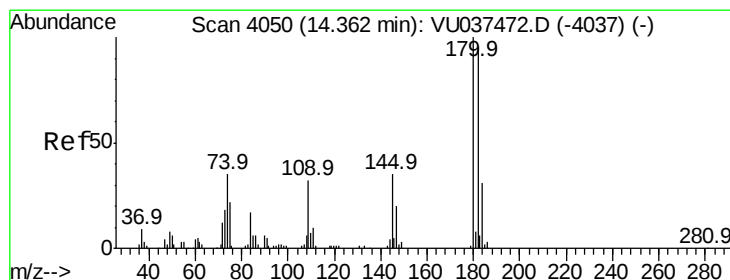
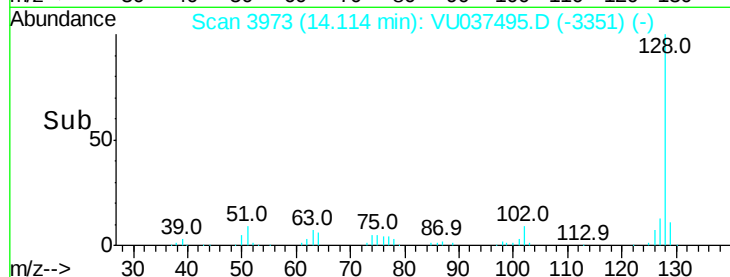
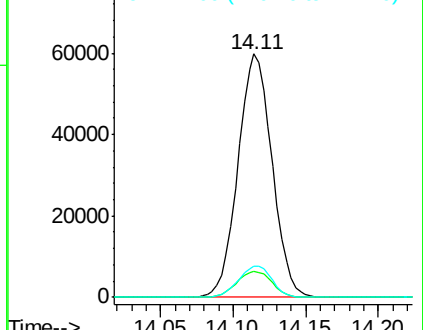
127 12.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.283 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037495.D

Acq: 31 Mar 2020 12:13

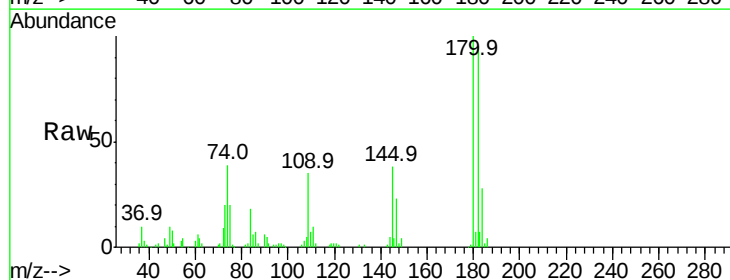
Tgt Ion:180 Resp: 38618

Ion Ratio Lower Upper

180 100

182 93.4 77.8 116.8

145 37.5 27.8 41.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

