

Data File : VU036650.D
Acq On : 31 Jan 2020 18:24
Operator : JC/MD
Sample : VSTD01031
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

Quant Time: Jan 31 23:47:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 23:45:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	288703	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	265266	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114163	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26025	11.33	ug/L	0.00
7) Chloroethane-d5	1.92	69	21136	10.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	40896	11.14	ug/L	0.00
21) 2-Butanone-d5	4.68	46	31537	23.83	ug/L	0.00
24) Chloroform-d	5.11	84	37994	10.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	25827	11.32	ug/L	0.00
32) Benzene-d6	5.77	84	82474	10.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	27075	11.22	ug/L	0.00
41) Toluene-d8	7.93	98	74172	10.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	12154	10.58	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	29091	25.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	37258	10.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	24398	9.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	23395	10.344 ug/L	98
3) Chloromethane	1.54	50	29275	11.949 ug/L	99
5) Vinyl chloride	1.62	62	29303	11.266 ug/L	84
6) Bromomethane	1.85	94	16199	10.792 ug/L	92
8) Chloroethane	1.94	64	18681	12.060 ug/L	91
9) Trichlorofluoromethane	2.15	101	32883	10.900 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	18494	10.021 ug/L	97
12) 1,1-Dichloroethene	2.60	96	19065	10.434 ug/L	96
13) Acetone	2.66	43	30684	24.137 ug/L	99
14) Carbon disulfide	2.82	76	58274	10.564 ug/L	100
15) Methyl Acetate	2.98	43	26564	12.959 ug/L	100
16) Methylene chloride	3.08	84	24670	11.150 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	20503	10.517 ug/L	94
18) Methyl tert-butyl Ether	3.41	73	73484	11.537 ug/L	100
19) 1,1-Dichloroethane	3.92	63	41714	11.717 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	23092	10.414 ug/L	94
22) 2-Butanone	4.76	43	39874	25.516 ug/L	99
23) Bromochloromethane	5.02	128	10650	9.454 ug/L	97
25) Chloroform	5.13	83	38906	10.787 ug/L	99
27) 1,2-Dichloroethane	5.84	62	32684	11.913 ug/L	97
29) Cyclohexane	5.43	56	38105	11.843 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	31818	11.100 ug/L	99
31) Carbon tetrachloride	5.56	117	25552	10.510 ug/L	99
33) Benzene	5.82	78	91398	11.200 ug/L	100
34) Trichloroethene	6.58	95	22052	10.602 ug/L	98
35) Methylcyclohexane	6.80	83	36769	10.507 ug/L	98
37) 1,2-Dichloropropane	6.83	63	25302	12.082 ug/L	100
38) Bromodichloromethane	7.14	83	29242	11.225 ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	37968	11.308 ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	74143	26.656 ug/L	99

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QLast Update : Fri Jan 31 23:45:14 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	98153	11.124	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	33494	11.374	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	22355	10.901	ug/L	97
46) Tetrachloroethene	8.58	164	17658	10.755	ug/L	98
48) 2-Hexanone	8.72	43	55966	26.778	ug/L	99
49) Dibromochloromethane	8.84	129	20841	9.738	ug/L	97
50) 1,2-Dibromoethane	8.95	107	23382	10.654	ug/L	96
51) Chlorobenzene	9.47	112	57508	10.183	ug/L	99
52) Ethylbenzene	9.60	91	104785	10.816	ug/L	99
53) m,p-Xylene	9.72	106	39184	10.490	ug/L	98
54) o-xylene	10.12	106	39182	10.516	ug/L	98
55) Styrene	10.14	104	63565	10.443	ug/L	97
56) Isopropylbenzene	10.51	105	101123	10.638	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	39489	11.080	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	33089	11.772	ug/L	99
61) Bromoform	10.32	173	14770	9.746	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	39160	10.026	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	39595	10.285	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	40537	10.244	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	8578	13.017	ug/L	93
67) 1,3,5-Trichlorobenzene	13.23	180	25210	9.463	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	18769	9.665	ug/L	97
69) Naphthalene	14.10	128	74505	12.337	ug/L	100
70) 1,2,3-Trichlorobenzene	14.34	180	20484	10.212	ug/L	98

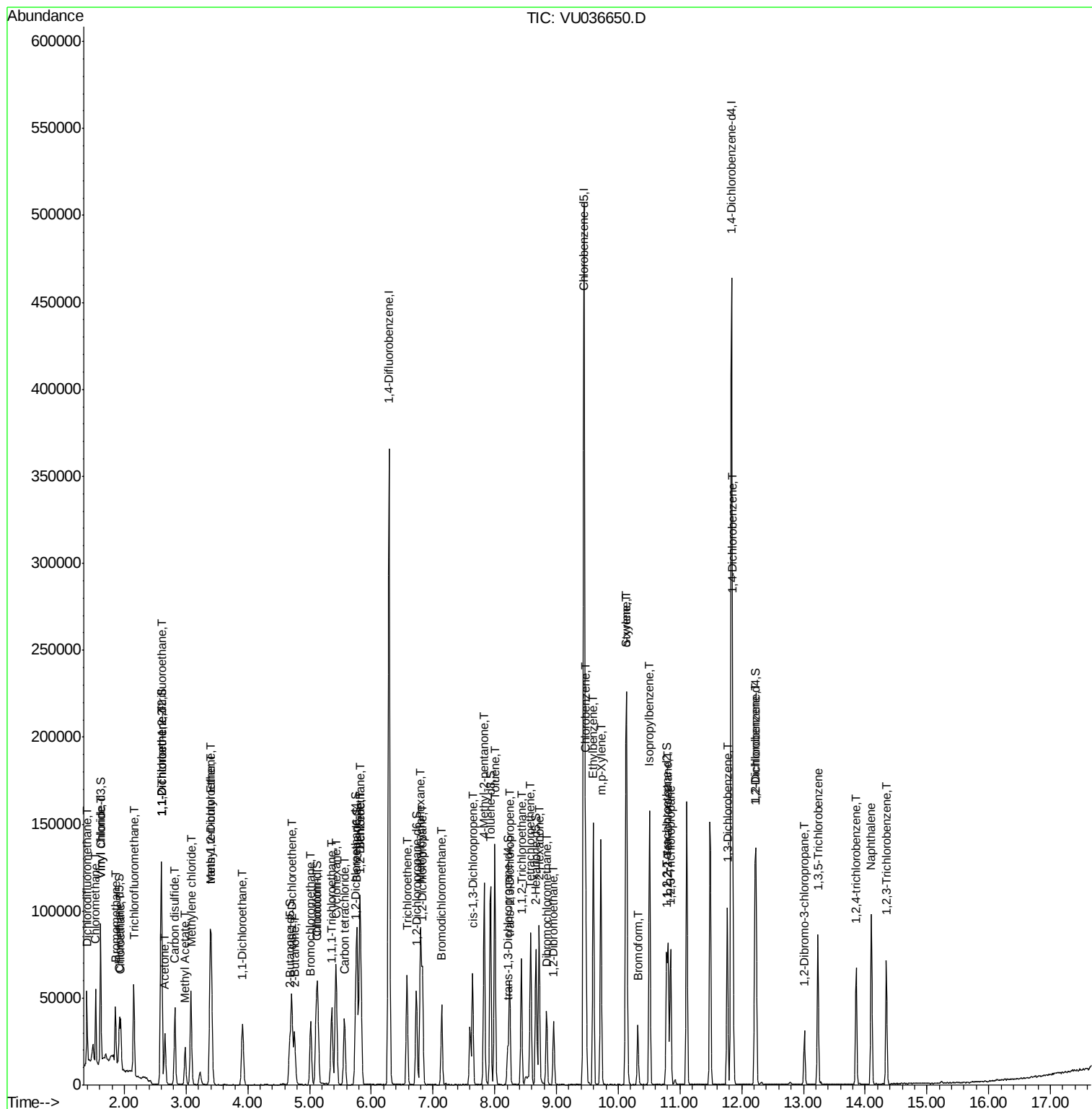
(#) = qualifier out of range (m) = manual integration (+) = signals summed

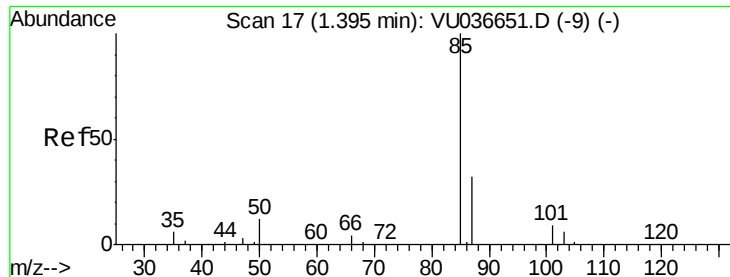
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#2

Dichlorodifluoromethane

Concen: 10.344 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

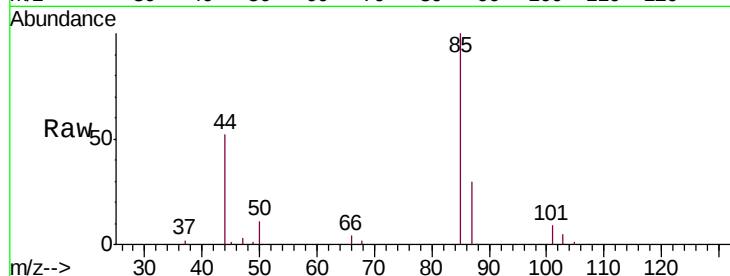
VSTD01031

Tgt Ion: 85 Resp: 23395

Ion Ratio Lower Upper

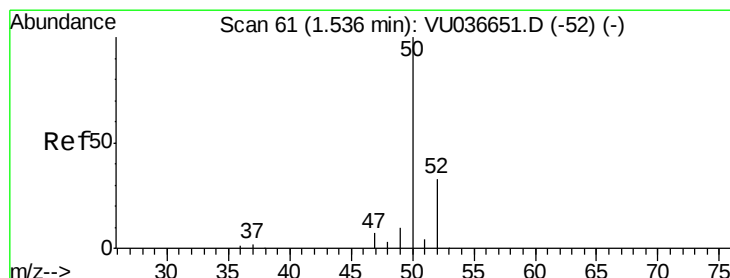
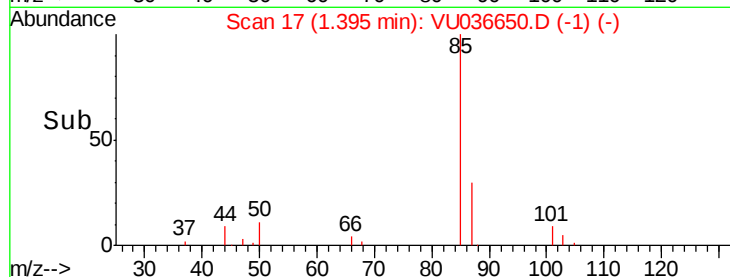
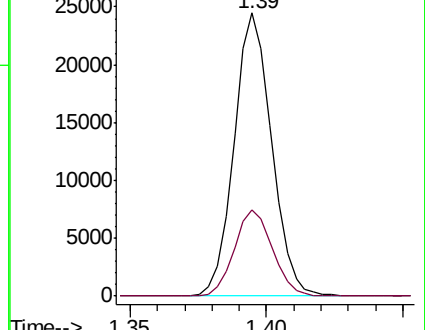
85 100

87 30.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU036650.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036650.D (-9) (-)



#3

Chloromethane

Concen: 11.949 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036650.D

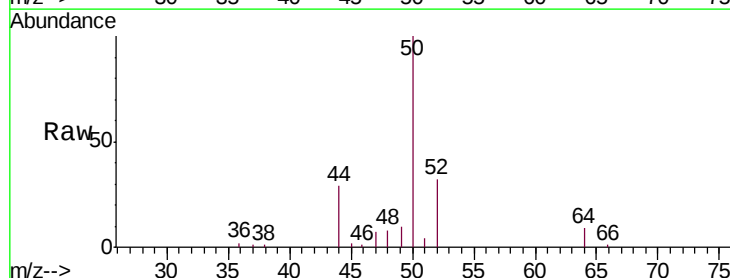
Acq: 31 Jan 2020 18:24

Tgt Ion: 50 Resp: 29275

Ion Ratio Lower Upper

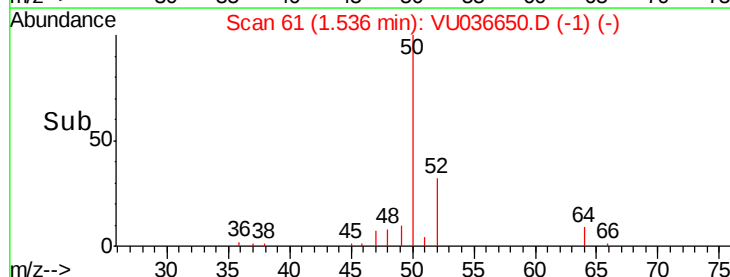
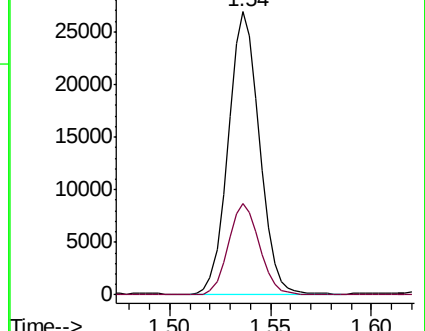
50 100

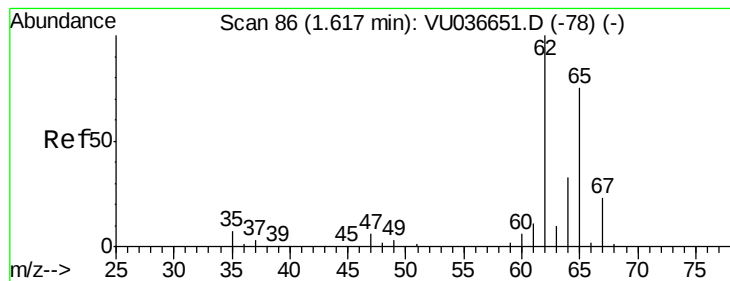
52 32.1 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036650.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036650.D (-52) (-)





#5

Vinyl chloride

Concen: 11.266 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

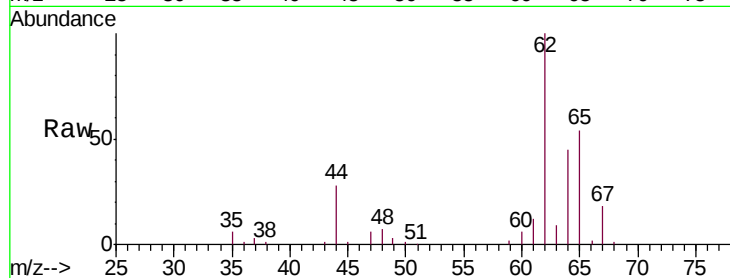
VSTD01031

Tgt Ion: 62 Resp: 29303

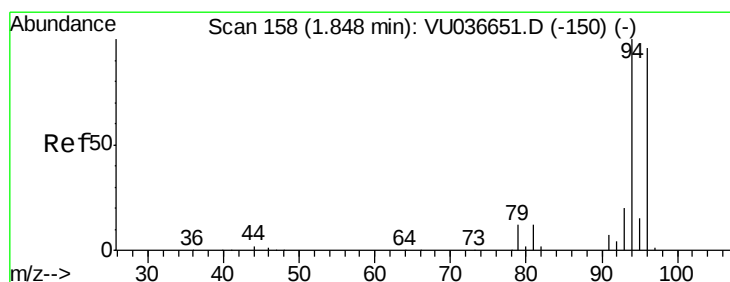
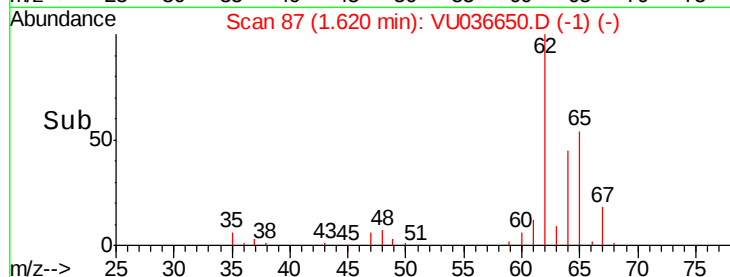
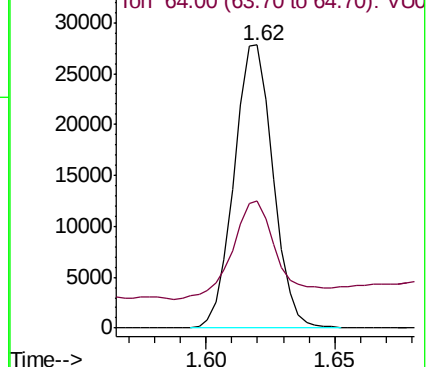
Ion Ratio Lower Upper

62 100

64 44.8 24.7 45.9



Abundance Ion 62.00 (61.70 to 62.70): VU036650.D (-1) (-)



#6

Bromomethane

Concen: 10.792 ug/L

RT: 1.85 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU036650.D

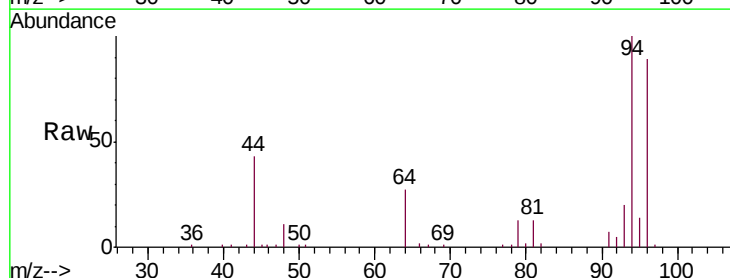
Acq: 31 Jan 2020 18:24

Tgt Ion: 94 Resp: 16199

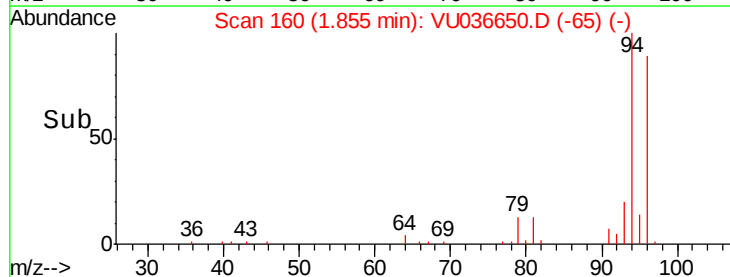
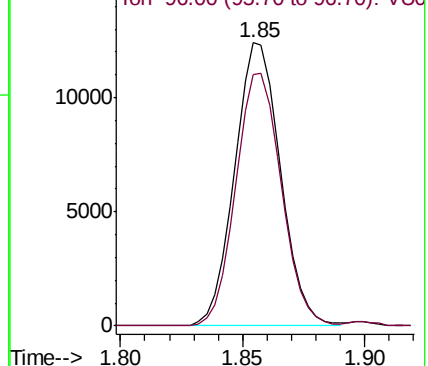
Ion Ratio Lower Upper

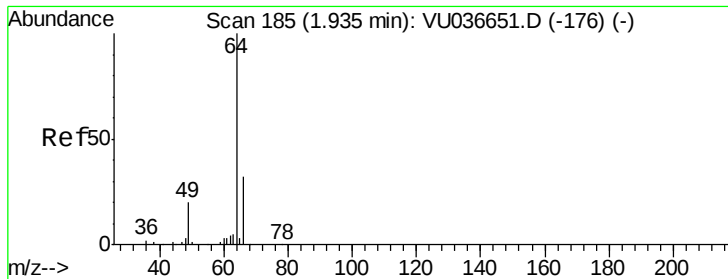
94 100

96 88.7 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU036650.D (-65) (-)





#8

Chloroethane

Concen: 12.060 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.01 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

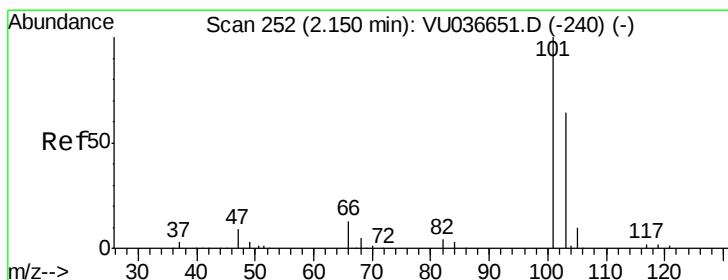
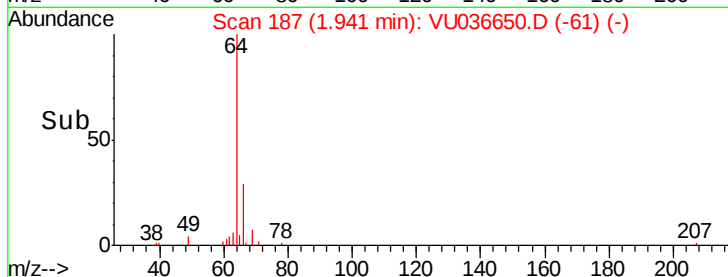
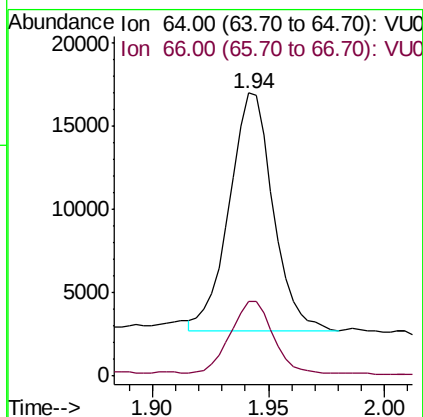
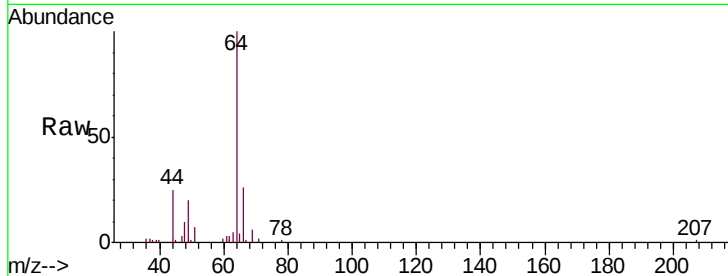
VSTD01031

Tgt Ion: 64 Resp: 18681

Ion Ratio Lower Upper

64 100

66 26.4 21.8 40.4



#9

Trichlorofluoromethane

Concen: 10.900 ug/L

RT: 2.15 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU036650.D

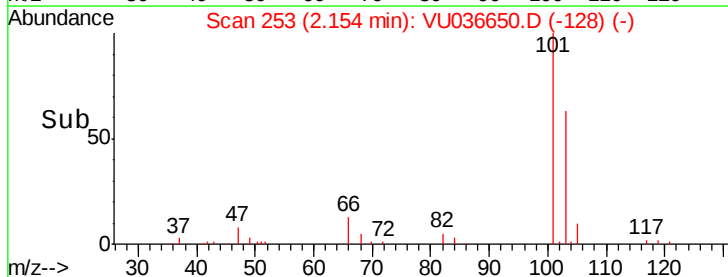
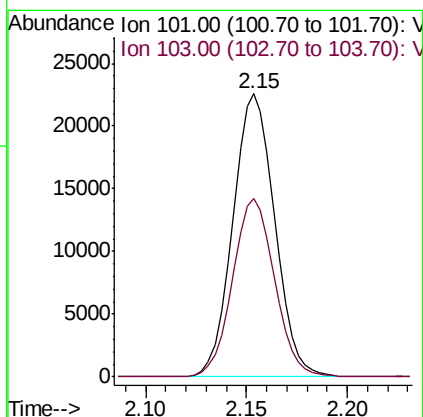
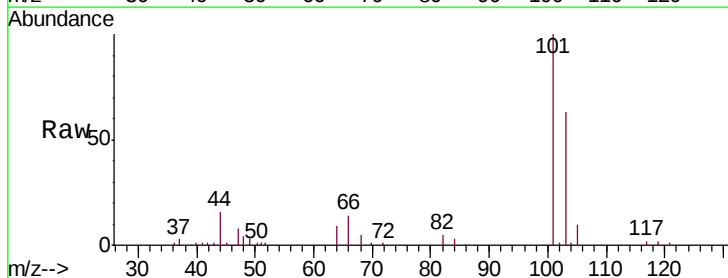
Acq: 31 Jan 2020 18:24

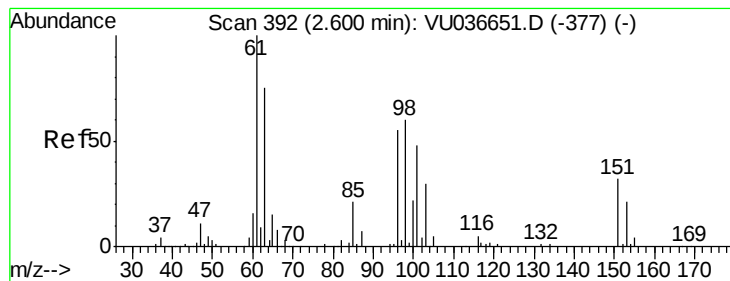
Tgt Ion: 101 Resp: 32883

Ion Ratio Lower Upper

101 100

103 63.1 51.6 77.4





#10

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

Concen: 10.021 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

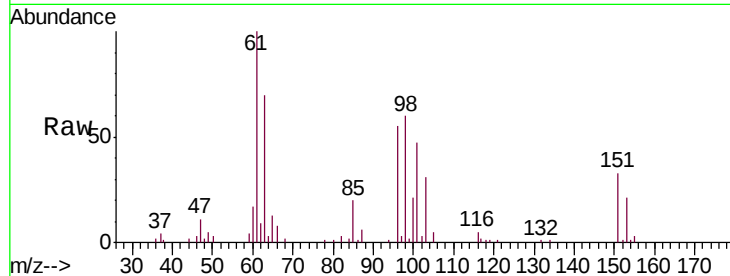
Tgt Ion:101 Resp: 18494

Ion Ratio Lower Upper

101 100

85 41.4 35.8 53.8

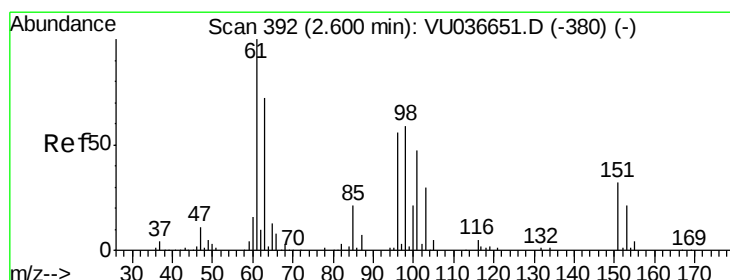
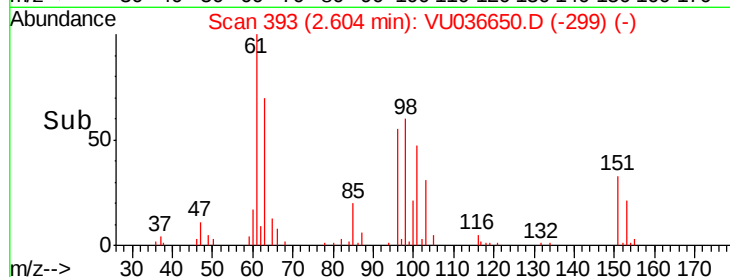
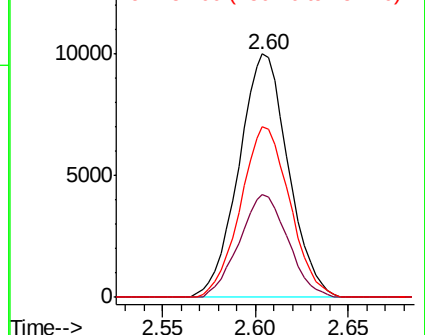
151 69.8 54.7 82.1



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: 10.434 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

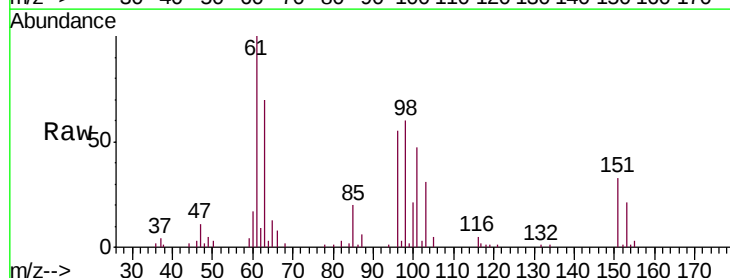
Tgt Ion: 96 Resp: 19065

Ion Ratio Lower Upper

96 100

61 180.2 126.8 235.4

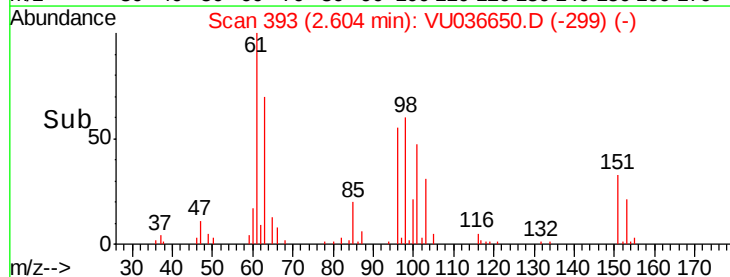
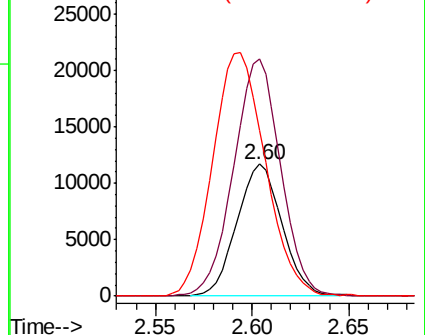
63 125.5 95.8 177.8

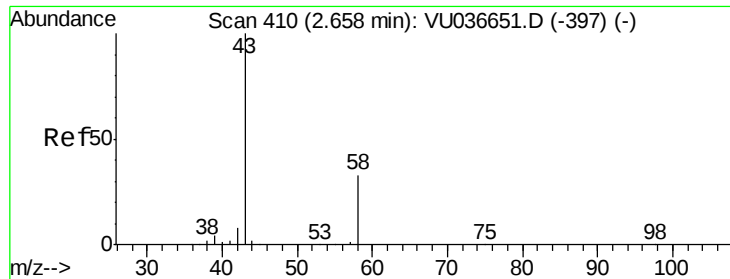


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 24.137 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036650.D

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ClientSampleId :

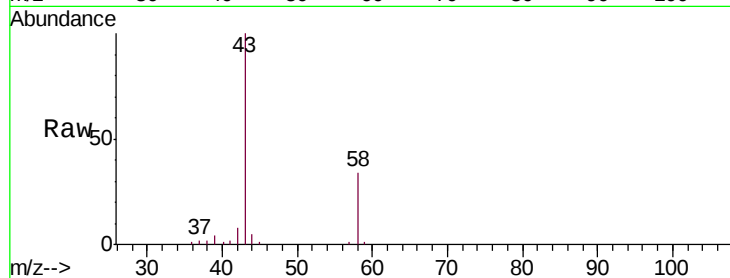
VSTD01031

Tgt Ion: 43 Resp: 30684

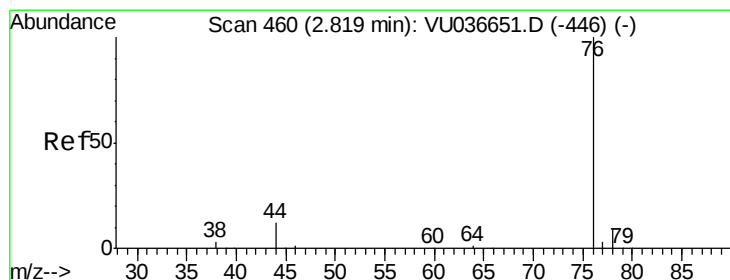
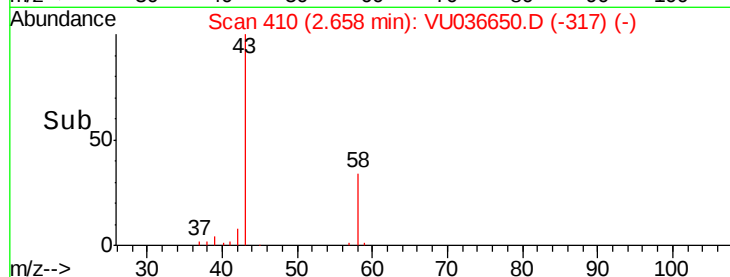
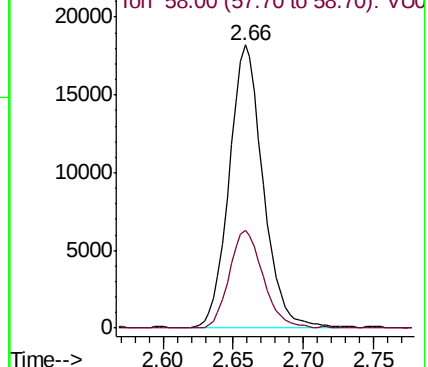
Ion Ratio Lower Upper

43 100

58 34.3 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VU036650.D (-317) (-)



#14

Carbon disulfide

Concen: 10.564 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036650.D

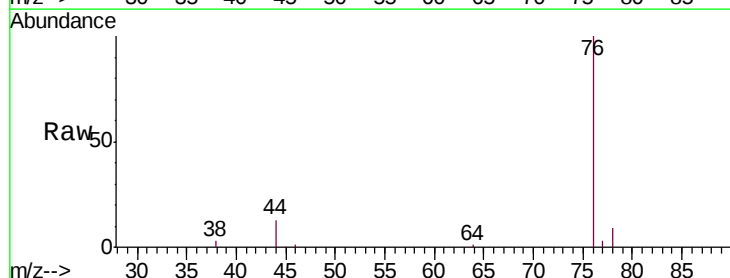
Acq: 31 Jan 2020 18:24

Tgt Ion: 76 Resp: 58274

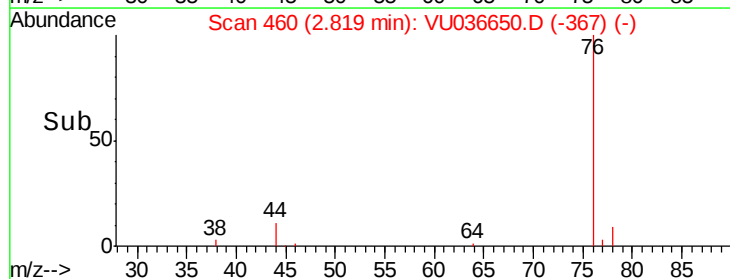
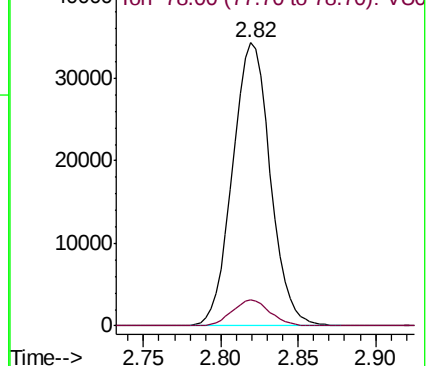
Ion Ratio Lower Upper

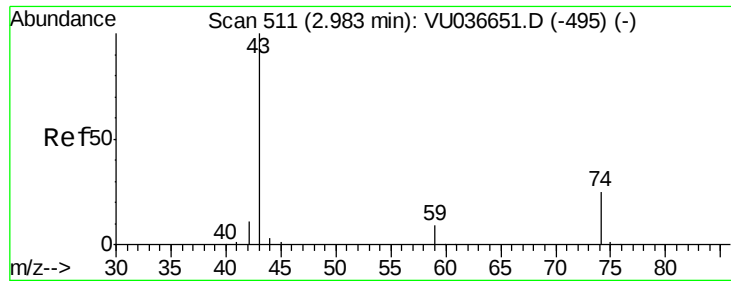
76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036650.D (-367) (-)





#15

Methyl Acetate

Concen: 12.959 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

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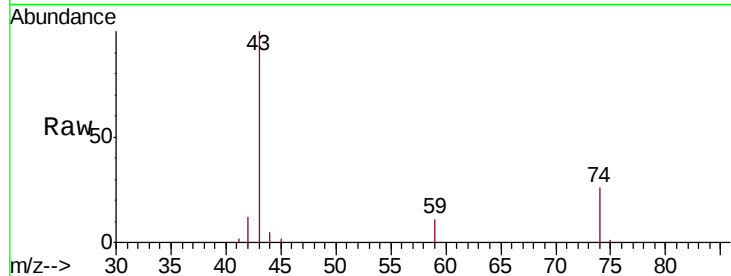
VSTD01031

Tgt Ion: 43 Resp: 26564

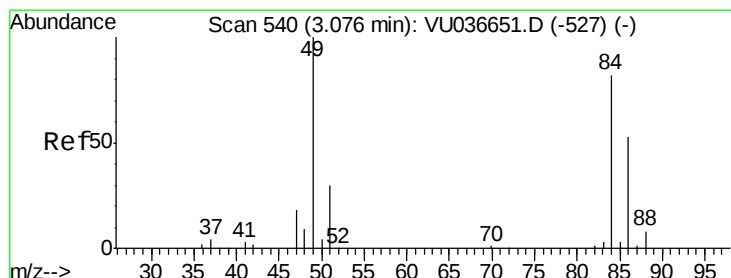
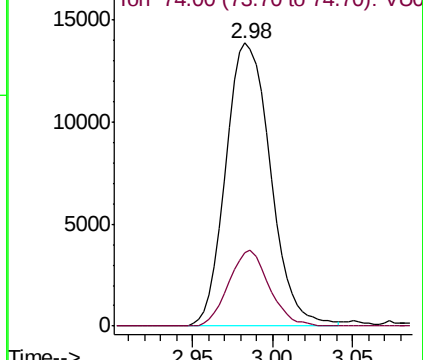
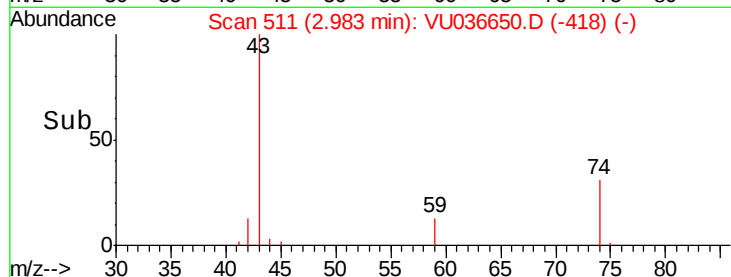
Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VU036650.D (-418) (-)



#16

Methylene chloride

Concen: 11.150 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

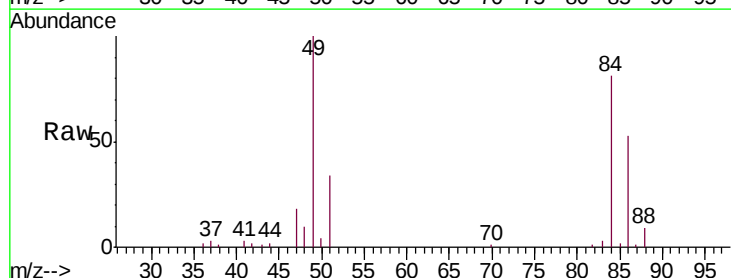
Tgt Ion: 84 Resp: 24670

Ion Ratio Lower Upper

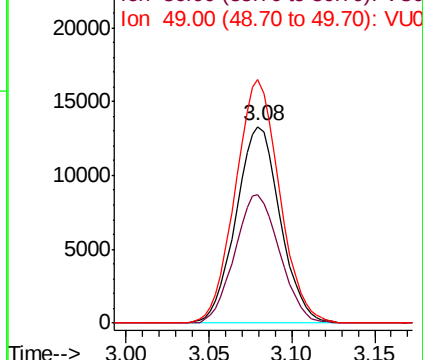
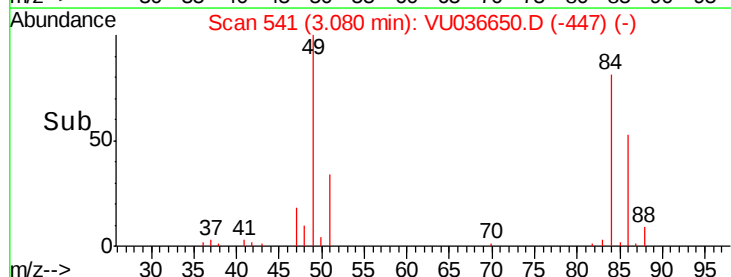
84 100

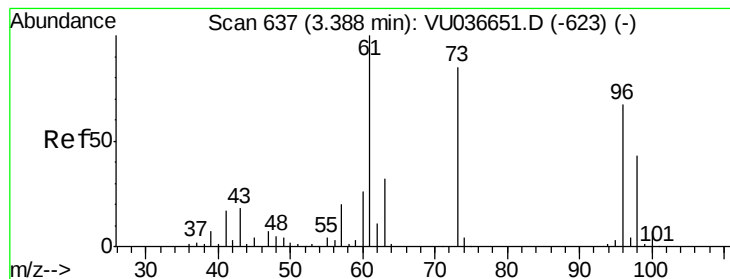
86 65.2 45.1 83.9

49 123.9 85.3 158.3



Abundance Ion 84.00 (83.70 to 84.70): VU036650.D (-447) (-)





#17

trans-1,2-Dichloroethene

Concen: 10.517 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

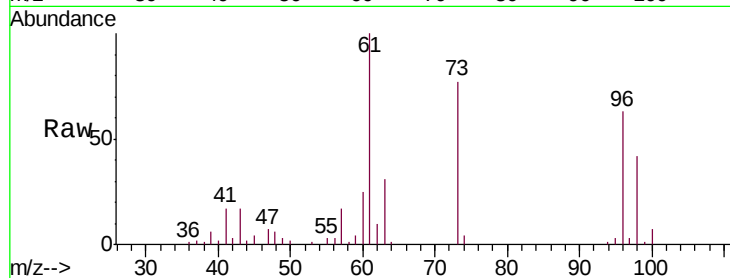
Tgt Ion: 96 Resp: 20503

Ion Ratio Lower Upper

96 100

61 158.6 104.2 193.6

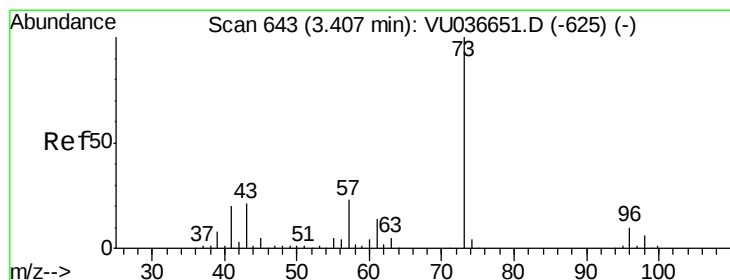
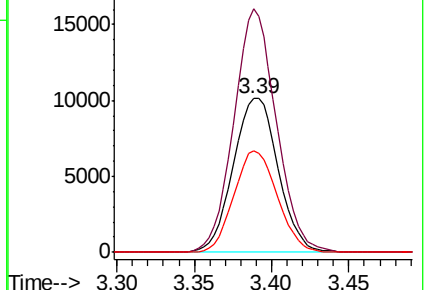
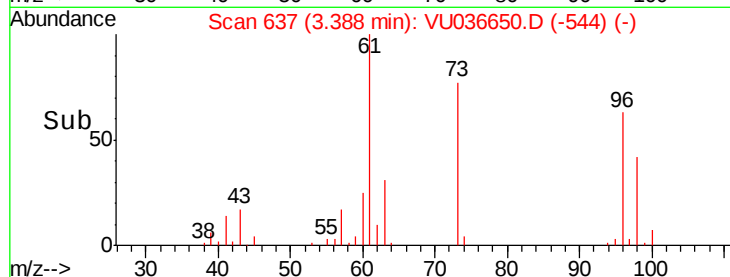
98 66.2 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU036650.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036650.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036650.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 11.537 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

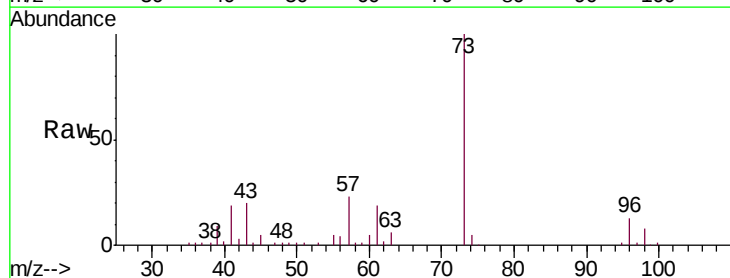
Tgt Ion: 73 Resp: 73484

Ion Ratio Lower Upper

73 100

43 20.5 16.6 24.8

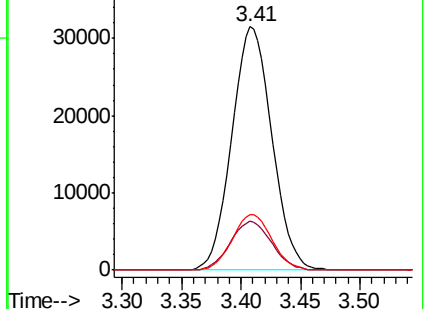
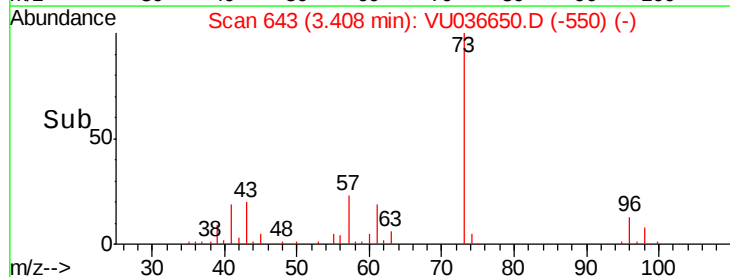
57 22.7 18.0 27.0

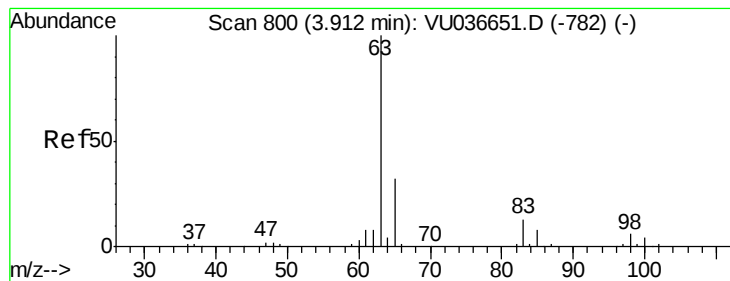


Abundance Ion 73.00 (72.70 to 73.70): VU036650.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036650.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036650.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 11.717 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

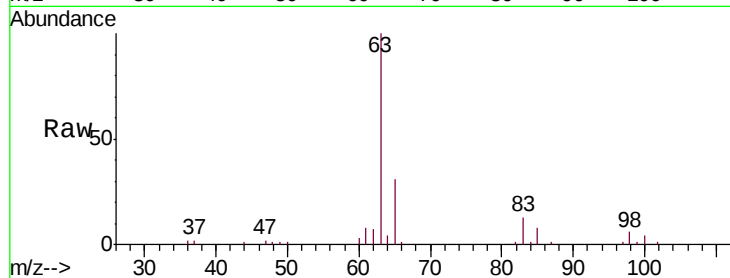
Tgt Ion: 63 Resp: 41714

Ion Ratio Lower Upper

63 100

65 30.7 22.3 41.5

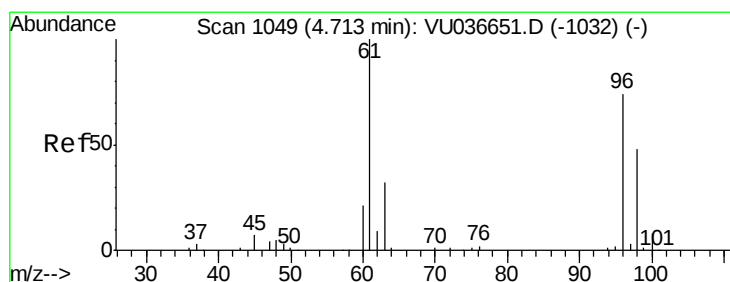
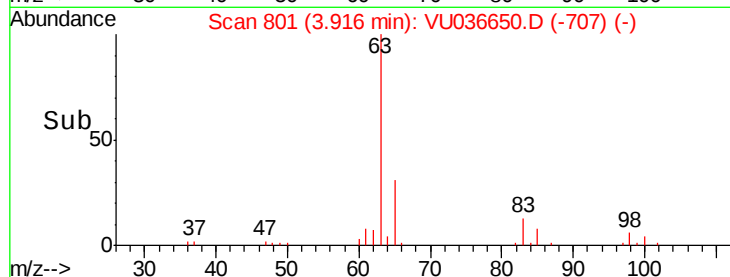
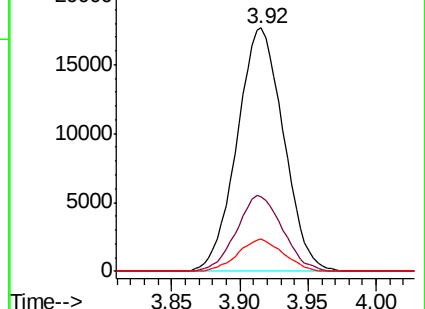
83 13.1 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VU036650.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036650.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036650.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.414 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

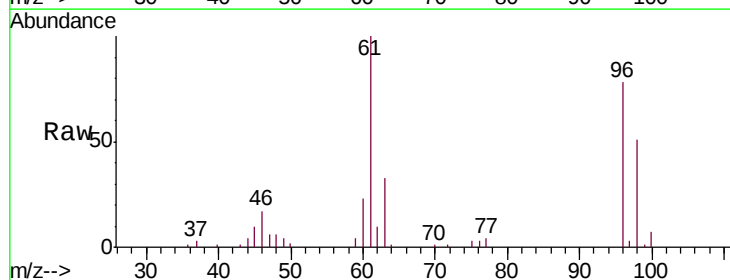
Tgt Ion: 96 Resp: 23092

Ion Ratio Lower Upper

96 100

61 128.6 94.9 176.3

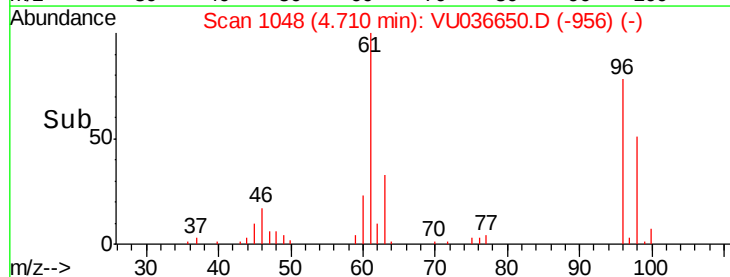
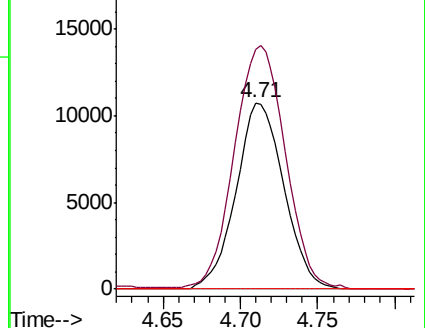
68 0.0 0.0 0.0

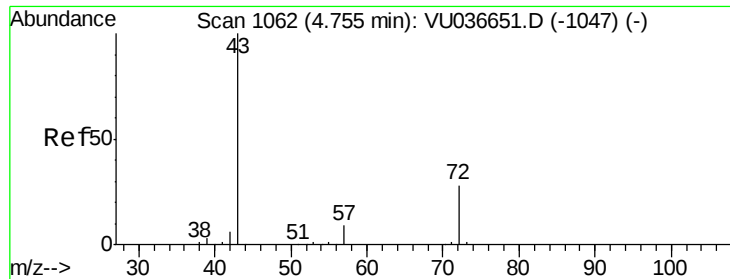


Abundance Ion 96.00 (95.70 to 96.70): VU036650.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036650.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036650.D (-956) (-)





#22

2-Butanone

Concen: 25.516 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

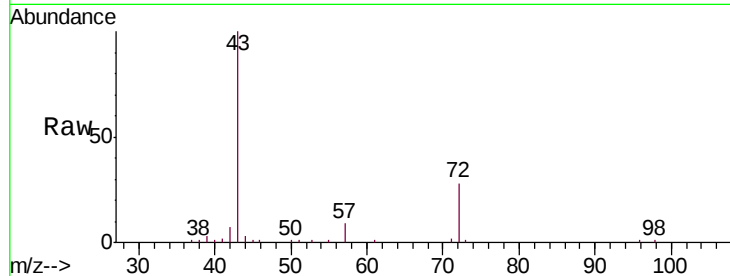
VSTD01031

Tgt Ion: 43 Resp: 39874

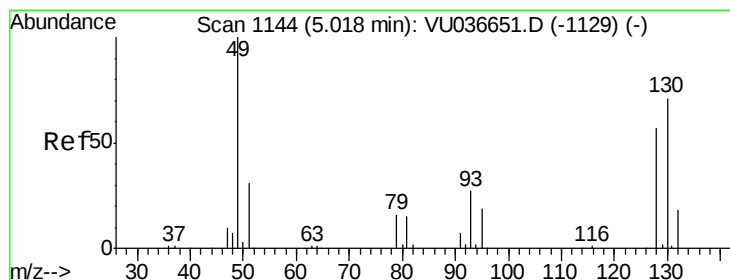
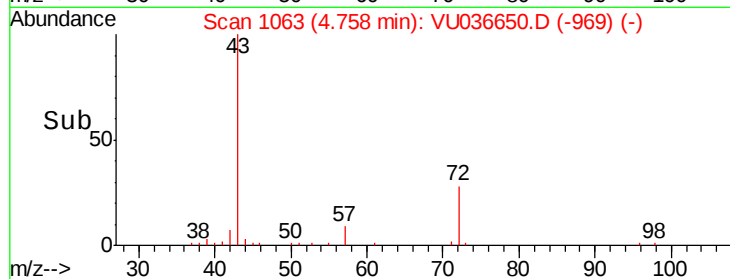
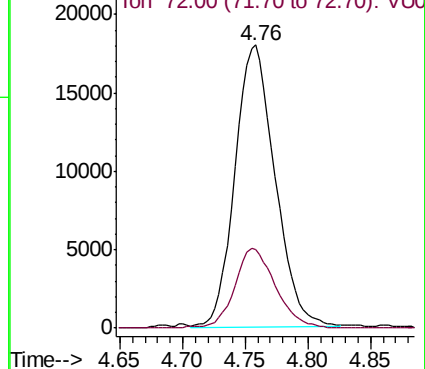
Ion Ratio Lower Upper

43 100

72 28.6 14.6 44.0



Abundance Ion 43.00 (42.70 to 43.70): VU036650.D (-1047) (-)



#23

Bromochloromethane

Concen: 9.454 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Tgt Ion: 128 Resp: 10650

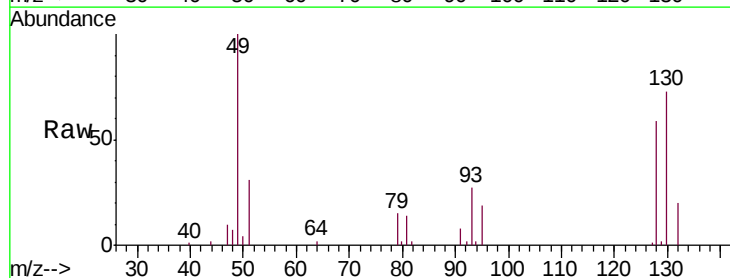
Ion Ratio Lower Upper

128 100

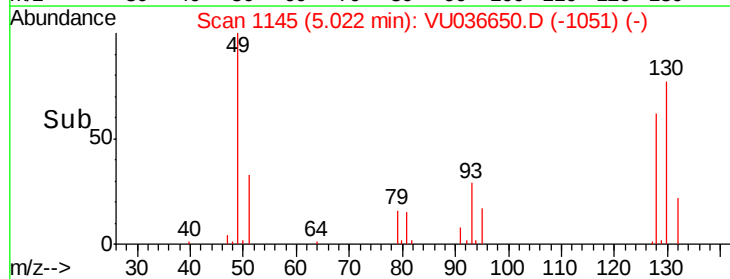
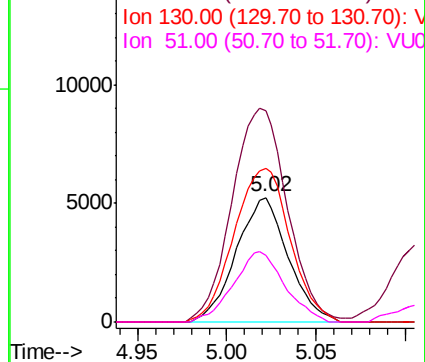
49 170.1 123.8 229.8

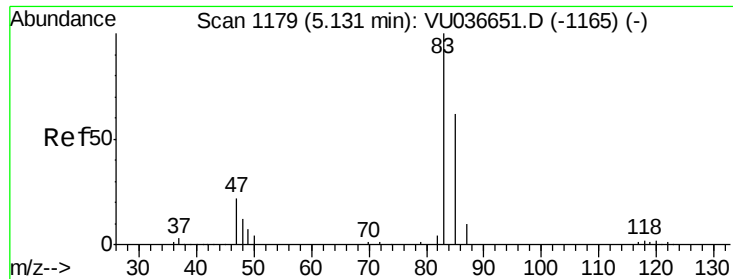
130 123.8 87.8 163.2

51 53.5 43.4 65.0



Abundance Ion 128.00 (127.70 to 128.70): VU036650.D (-1051) (-)

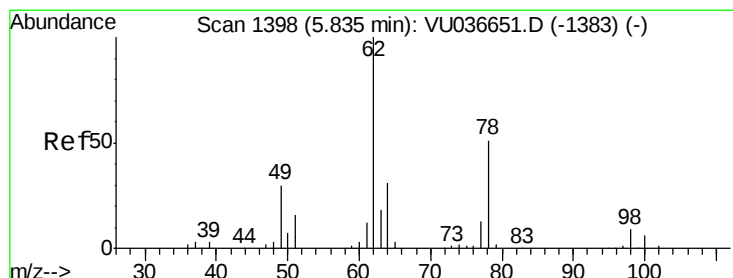
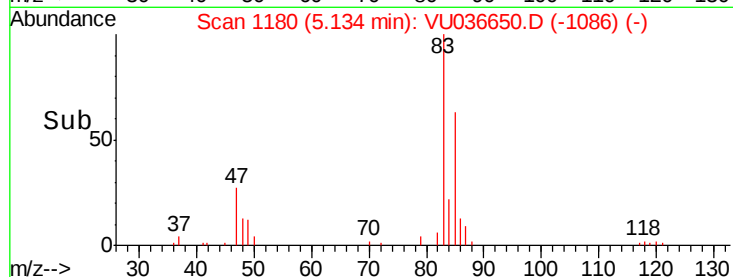
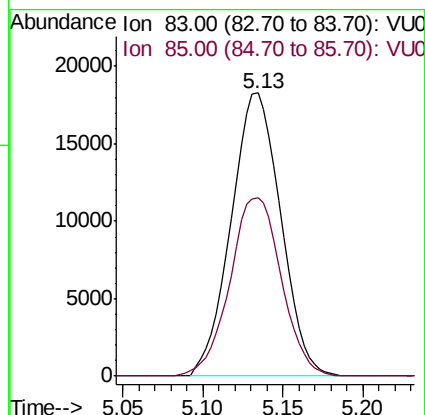
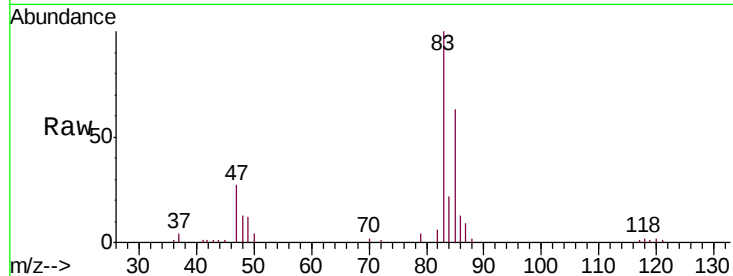




#25
Chloroform
Concen: 10.787 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036650.D
Acq: 31 Jan 2020 18:24

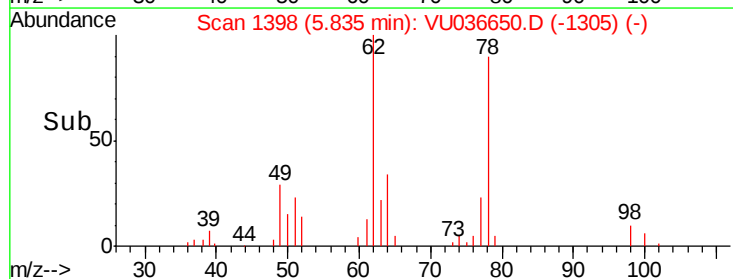
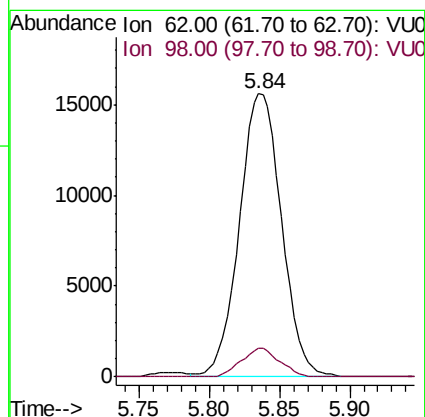
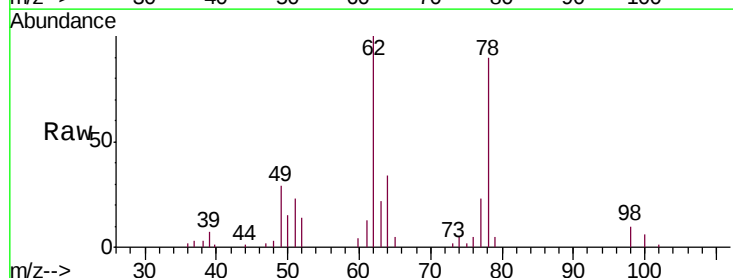
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

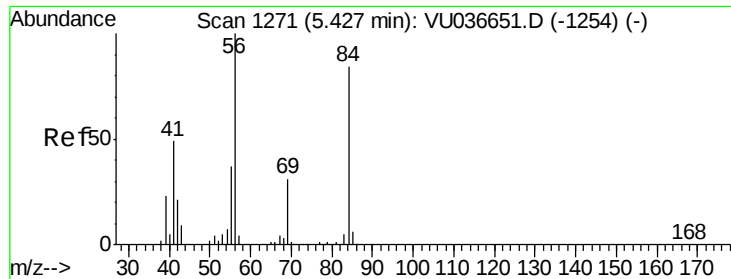
Tgt Ion: 83 Resp: 38906
Ion Ratio Lower Upper
83 100
85 62.9 44.3 82.3



#27
1,2-Dichloroethane
Concen: 11.913 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036650.D
Acq: 31 Jan 2020 18:24

Tgt Ion: 62 Resp: 32684
Ion Ratio Lower Upper
62 100
98 10.2 7.3 10.9

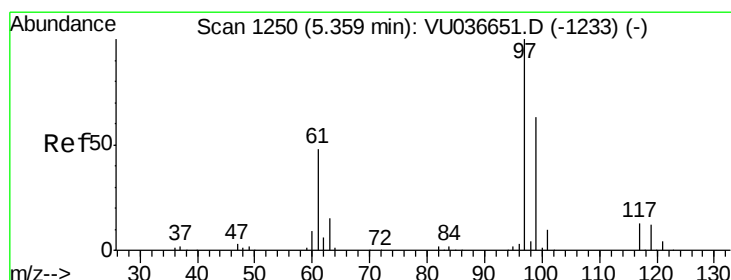
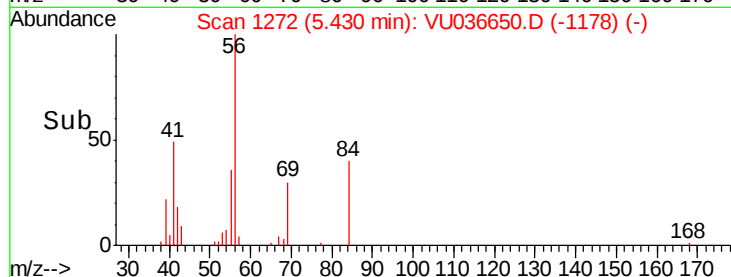
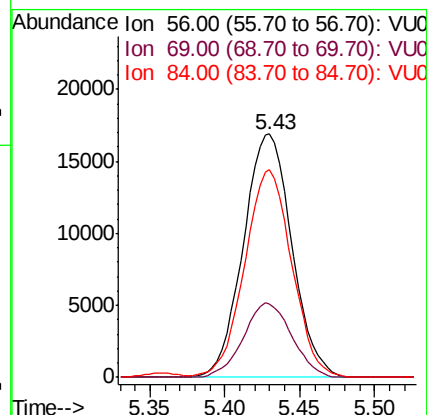
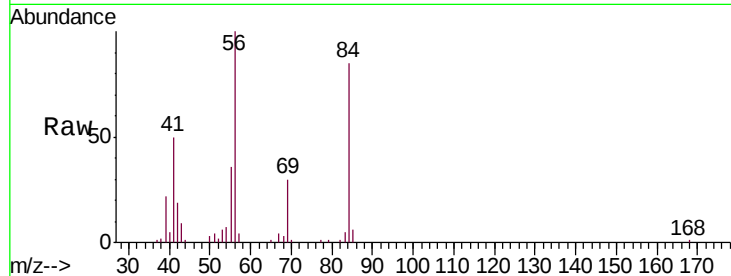




#29
Cyclohexane
Concen: 11.843 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036650.D
Acq: 31 Jan 2020 18:24

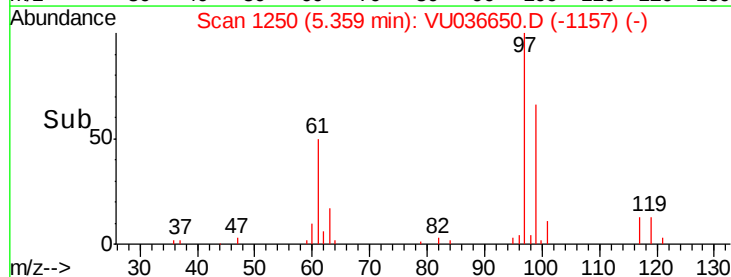
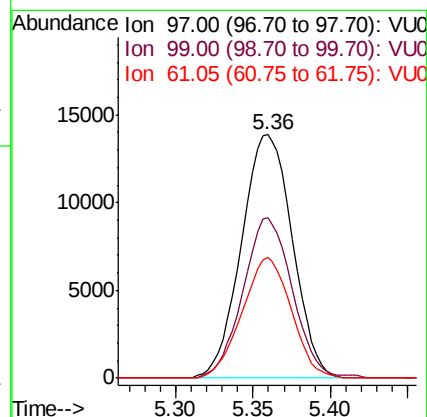
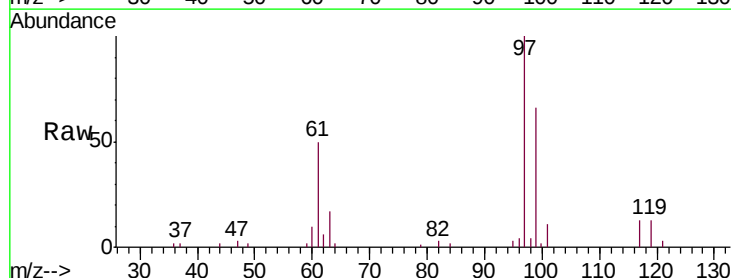
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

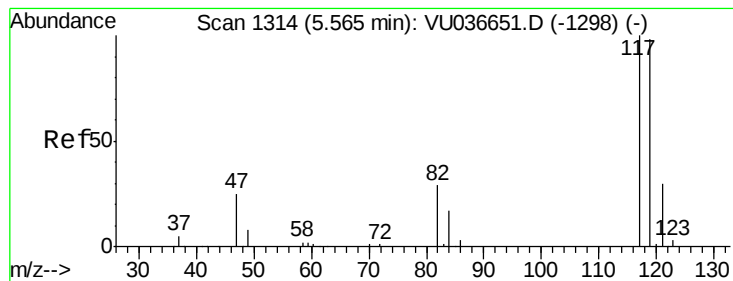
Tgt Ion: 56 Resp: 38105
Ion Ratio Lower Upper
56 100
69 30.3 25.0 37.4
84 83.0 66.2 99.2



#30
1,1,1-Trichloroethane
Concen: 11.100 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036650.D
Acq: 31 Jan 2020 18:24

Tgt Ion: 97 Resp: 31818
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 47.7 38.2 57.4





#31

Carbon tetrachloride

Concen: 10.510 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

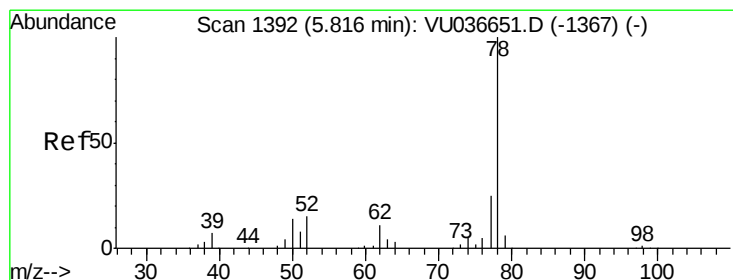
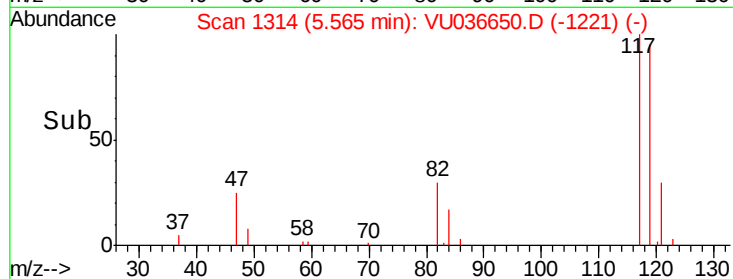
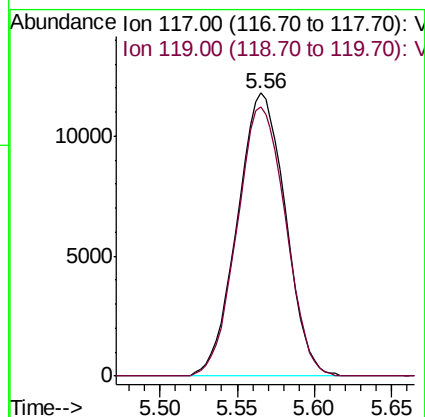
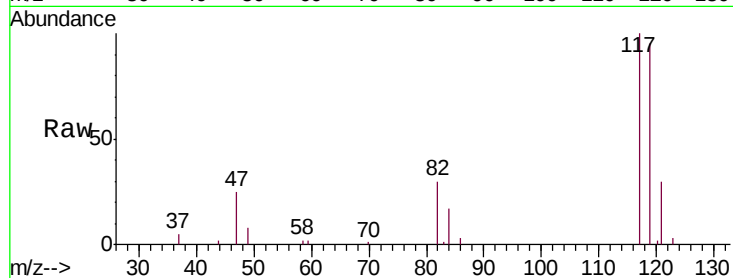
VSTD01031

Tgt Ion:117 Resp: 25552

Ion Ratio Lower Upper

117 100

119 96.1 77.7 116.5



#33

Benzene

Concen: 11.200 ug/L

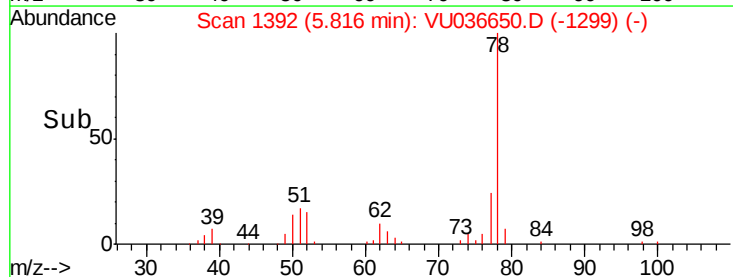
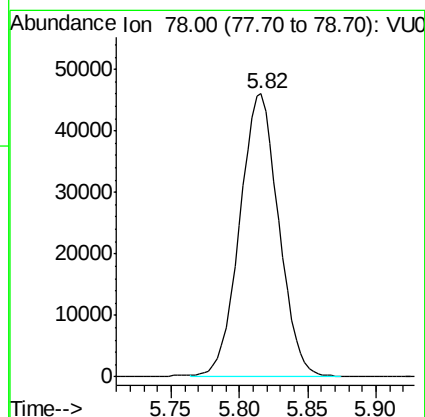
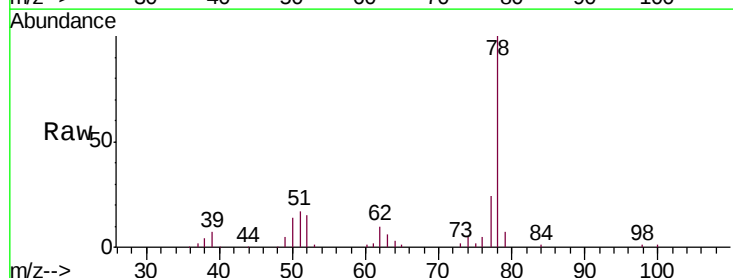
RT: 5.82 min Scan# 1392

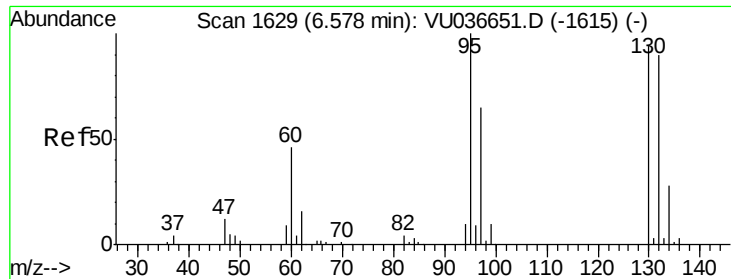
Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Tgt Ion: 78 Resp: 91398

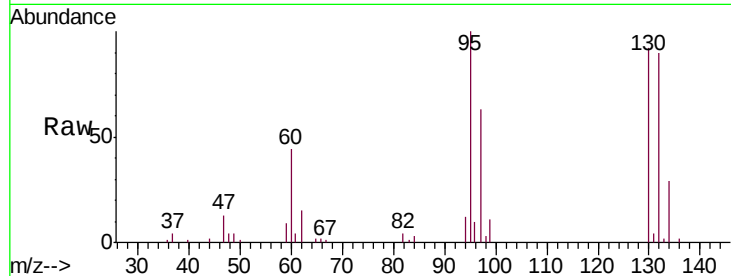




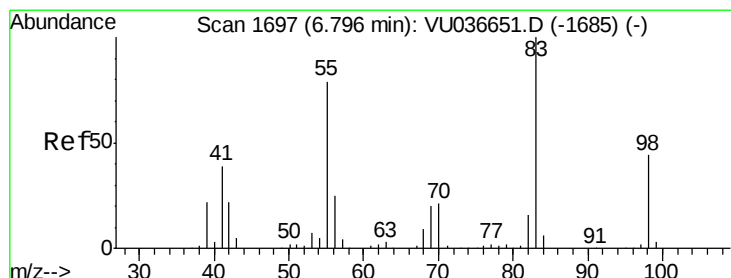
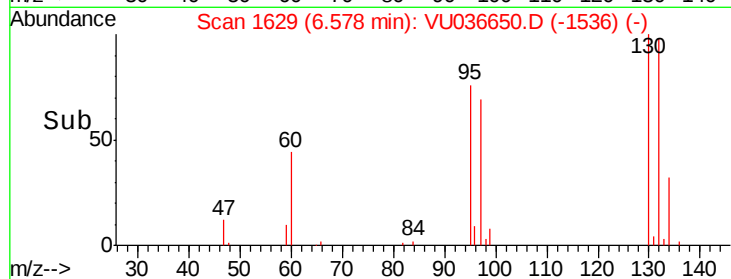
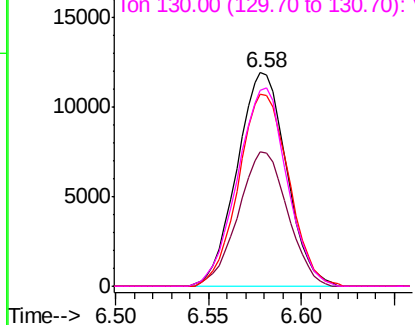
#34
 Trichloroethene
 Concen: 10.602 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tgt Ion:	95	Resp:	22052
Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.4	84.4
132	89.7	63.2	117.4
130	91.7	65.9	122.3

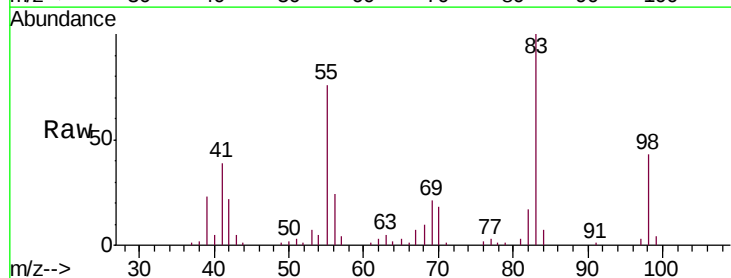


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

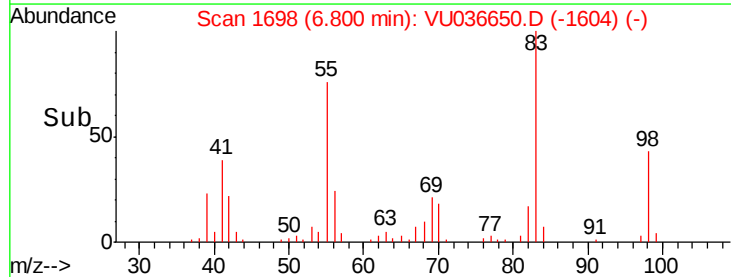
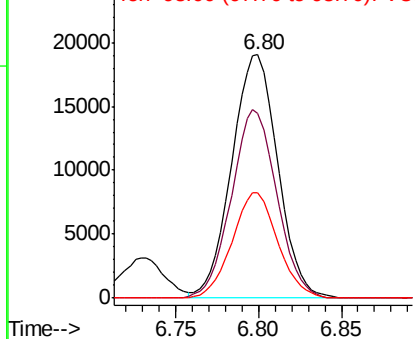


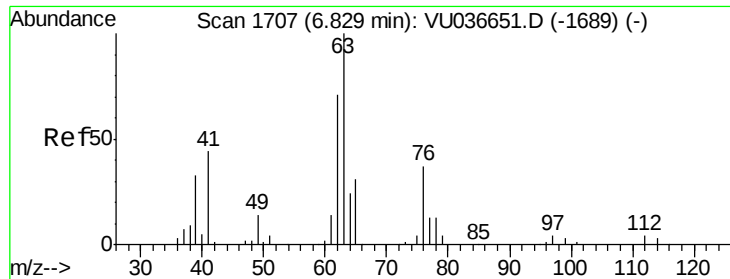
#35
 Methylcyclohexane
 Concen: 10.507 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

Tgt Ion:	83	Resp:	36769
Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.1	94.7
98	42.9	35.0	52.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

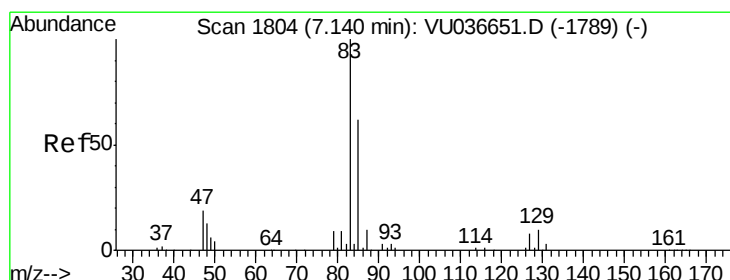
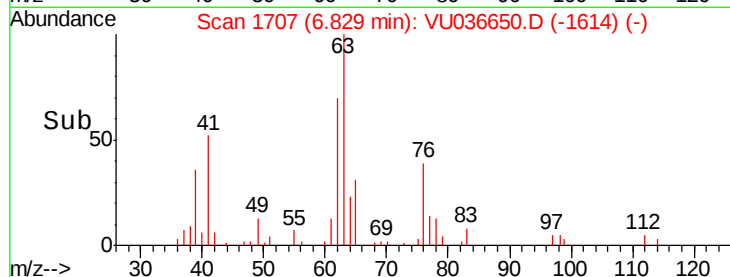
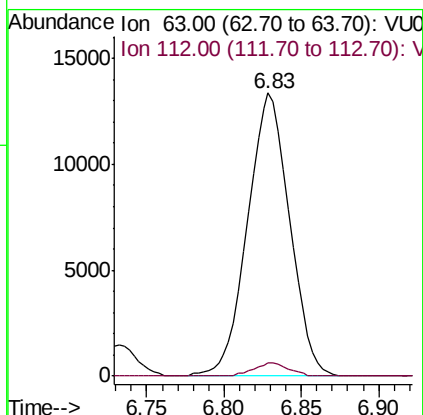
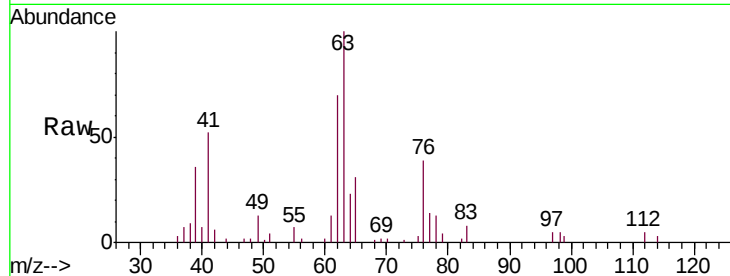




#37
 1,2-Dichloropropane
 Concen: 12.082 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

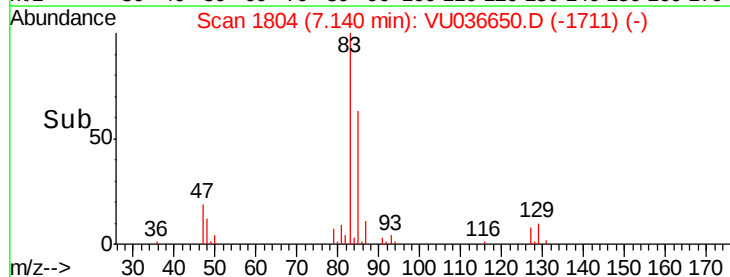
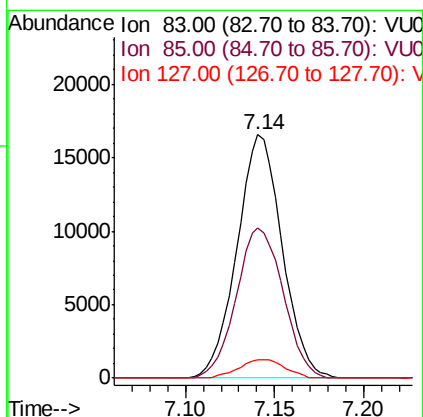
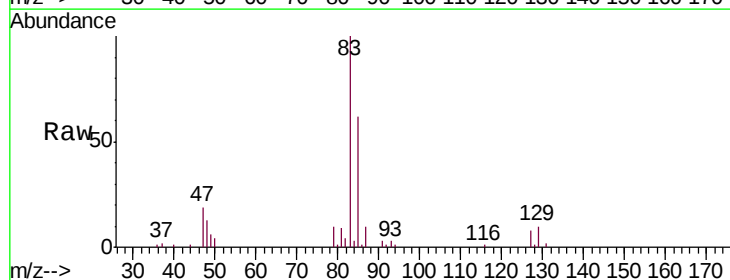
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

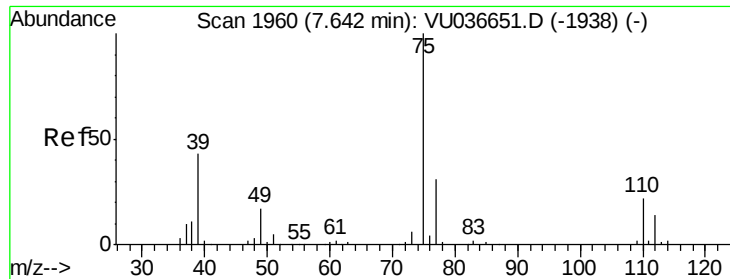
Tgt Ion: 63 Resp: 25302
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 11.225 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

Tgt Ion: 83 Resp: 29242
 Ion Ratio Lower Upper
 83 100
 85 61.8 43.2 80.2
 127 7.6 6.4 9.6

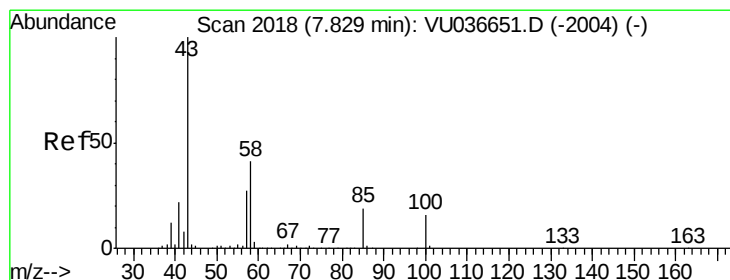
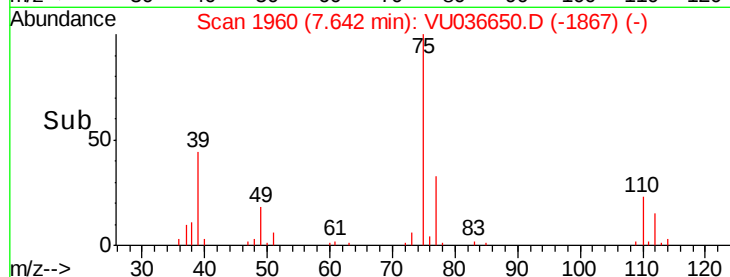
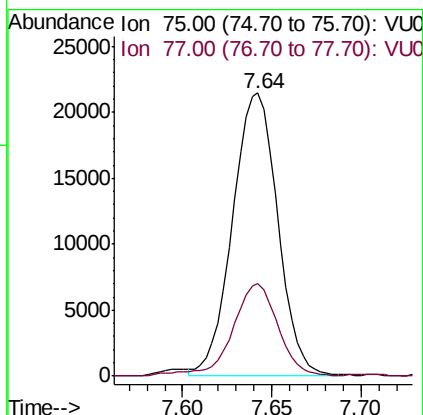
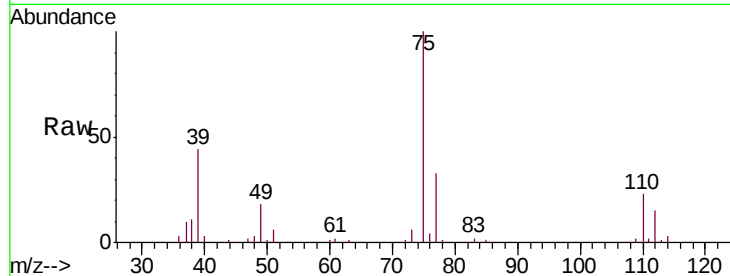




#39
 cis-1,3-Dichloropropene
 Concen: 11.308 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

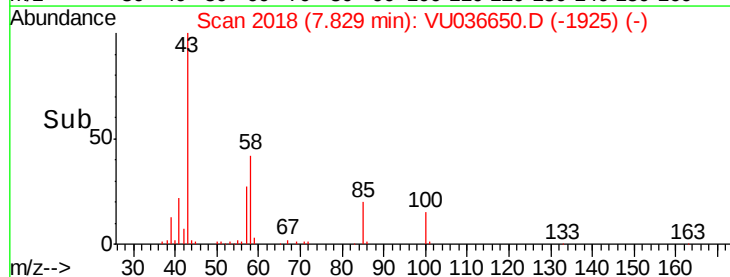
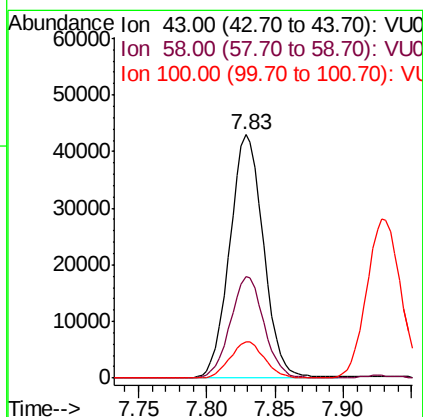
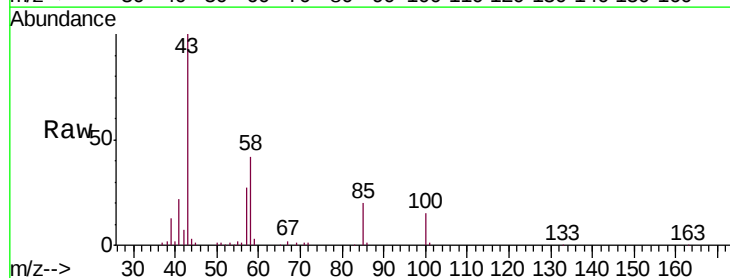
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

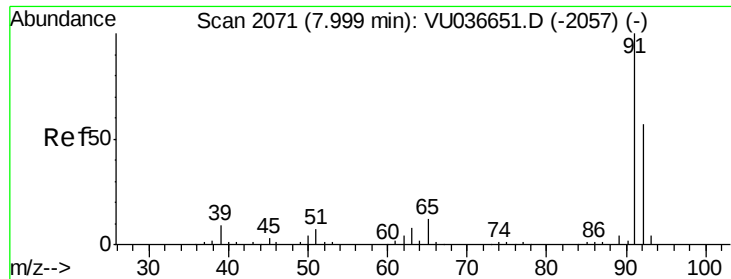
Tgt Ion: 75 Resp: 37968
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 26.656 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

Tgt Ion: 43 Resp: 74143
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.3 49.9
 100 15.1 12.4 18.6





#42

Toluene

Concen: 11.124 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

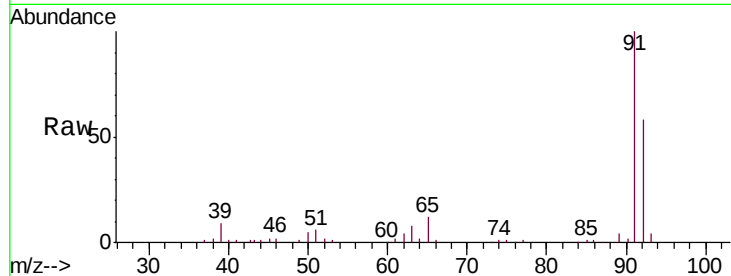
VSTD01031

Tgt Ion: 91 Resp: 98153

Ion Ratio Lower Upper

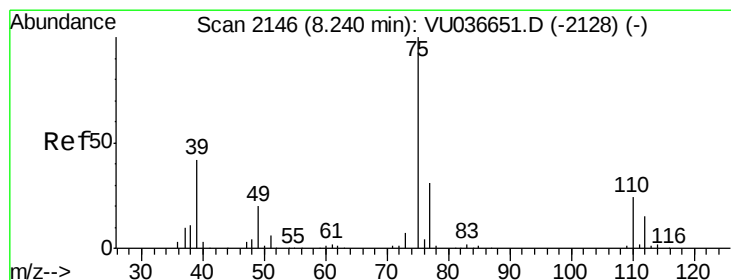
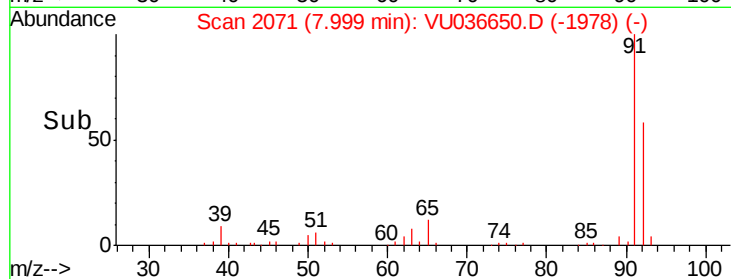
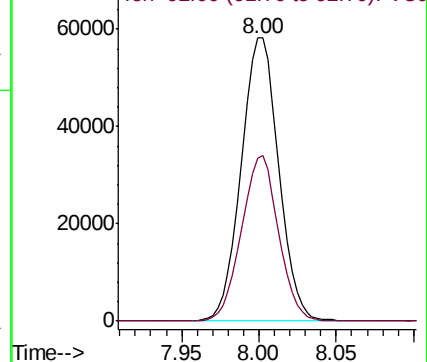
91 100

92 57.8 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU036650.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036650.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 11.374 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036650.D

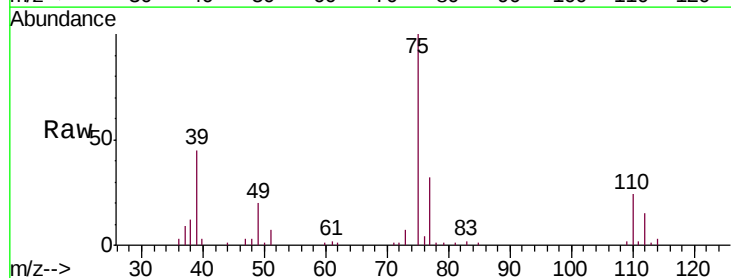
Acq: 31 Jan 2020 18:24

Tgt Ion: 75 Resp: 33494

Ion Ratio Lower Upper

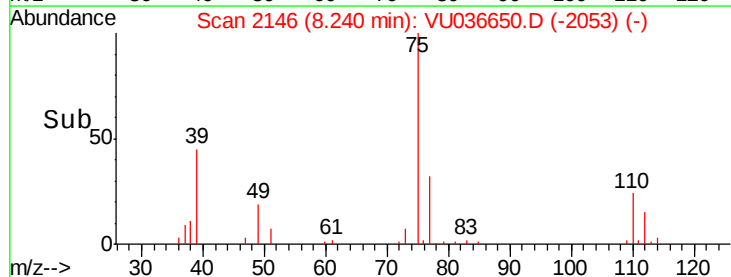
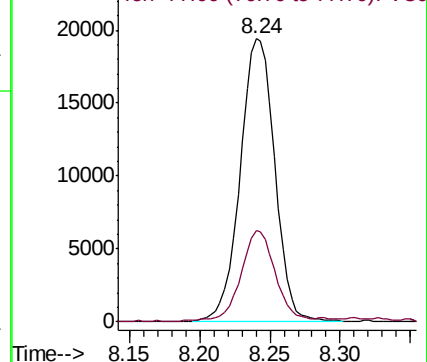
75 100

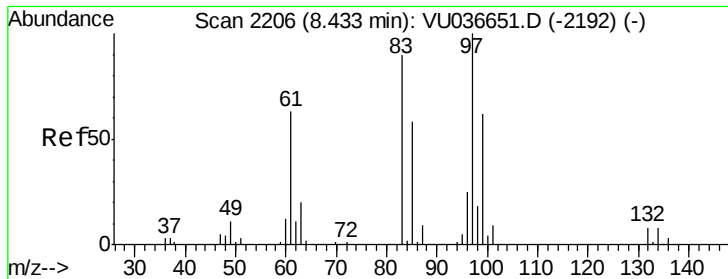
77 32.3 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU036650.D (-2053) (-)

Ion 77.00 (76.70 to 77.70): VU036650.D (-2053) (-)





#45

1,1,2-Trichloroethane

Concen: 10.901 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

Tgt Ion: 97 Resp: 22355

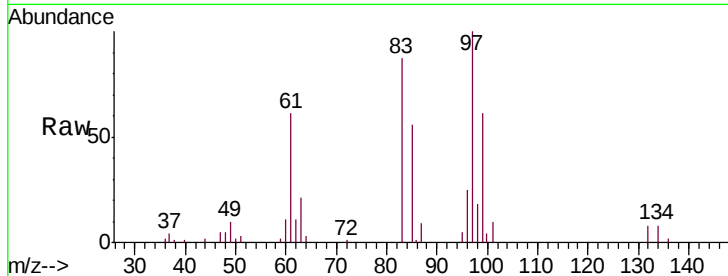
Ion Ratio Lower Upper

97 100

99 61.2 43.4 80.6

83 86.6 63.0 117.0

85 55.5 40.3 74.9



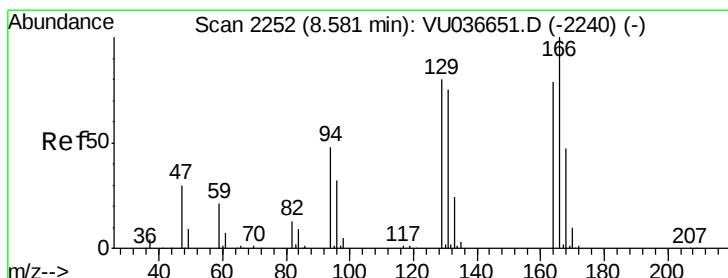
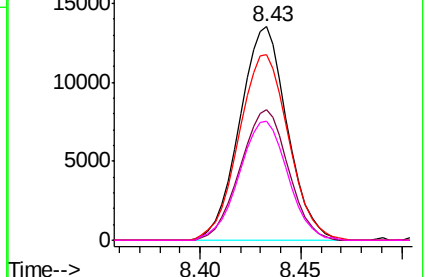
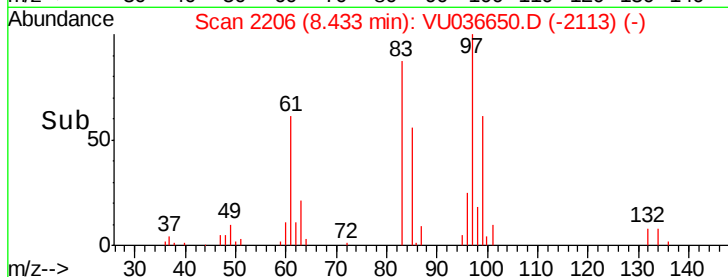
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Time-->



#46

Tetrachloroethene

Concen: 10.755 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Tgt Ion: 164 Resp: 17658

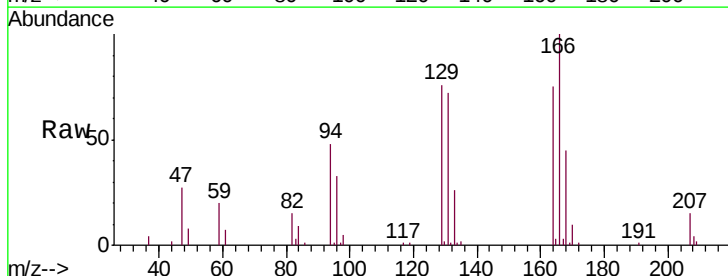
Ion Ratio Lower Upper

164 100

129 100.2 71.1 132.1

131 96.0 66.9 124.3

166 132.5 89.0 165.4



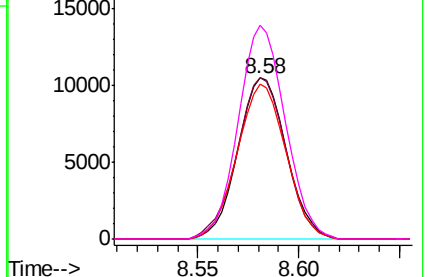
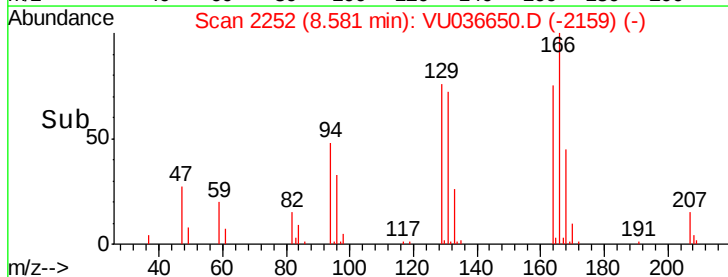
Abundance Ion 164.00 (163.70 to 164.70): V

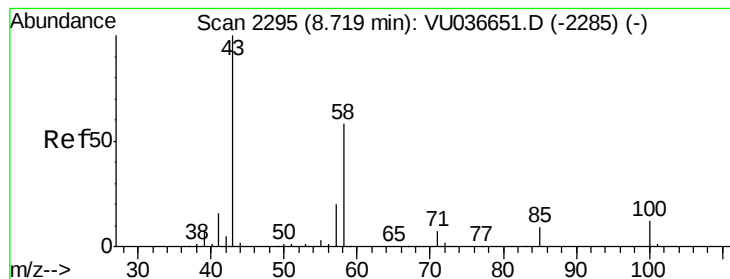
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->





#48

2-Hexanone

Concen: 26.778 ug/L

RT: 8.72 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

Tgt Ion: 43 Resp: 55966

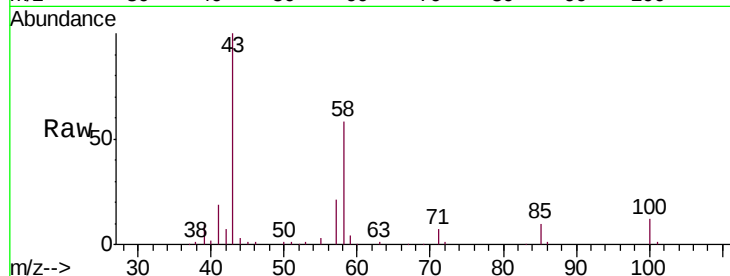
Ion Ratio Lower Upper

43 100

58 58.2 46.2 69.2

57 21.3 16.3 24.5

100 11.7 9.8 14.6

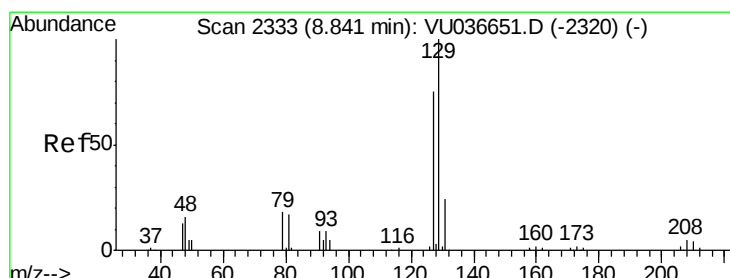
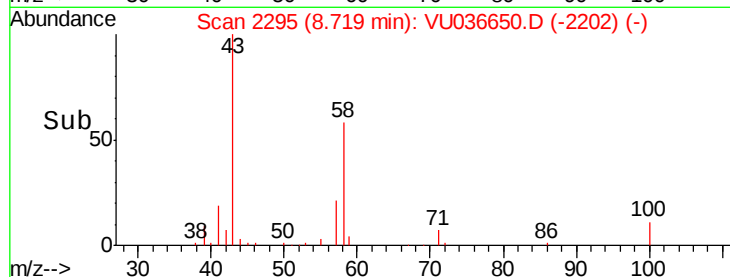
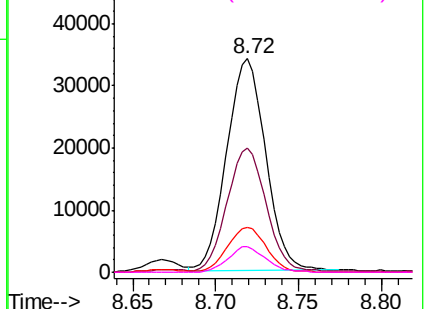


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 9.738 ug/L

RT: 8.84 min Scan# 2333

Delta R.T. 0.00 min

Lab File: VU036650.D

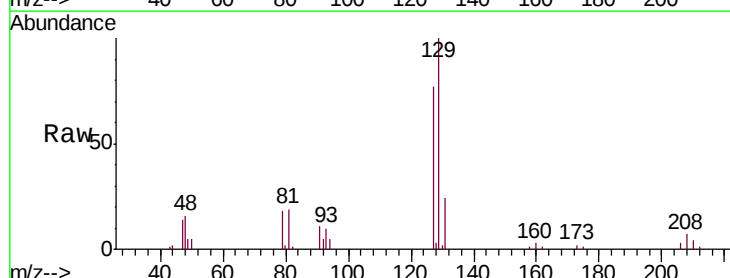
Acq: 31 Jan 2020 18:24

Tgt Ion: 129 Resp: 20841

Ion Ratio Lower Upper

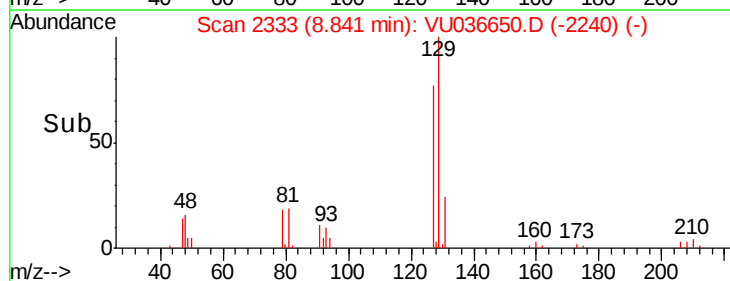
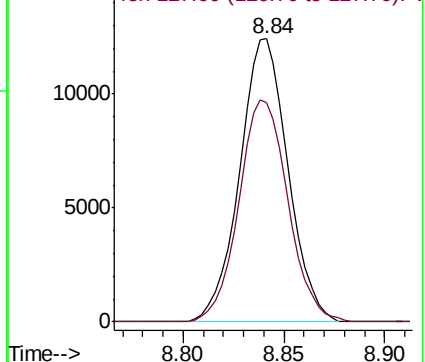
129 100

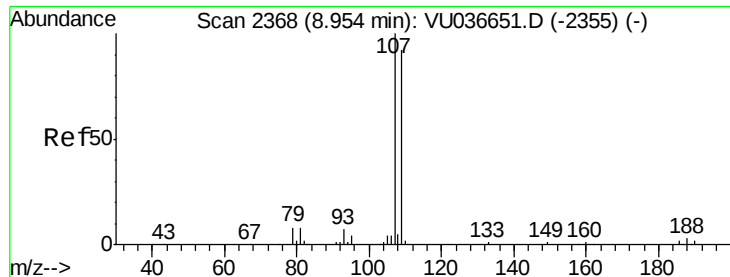
127 77.4 52.4 97.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

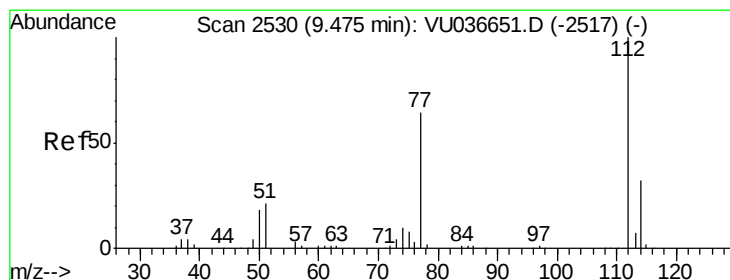
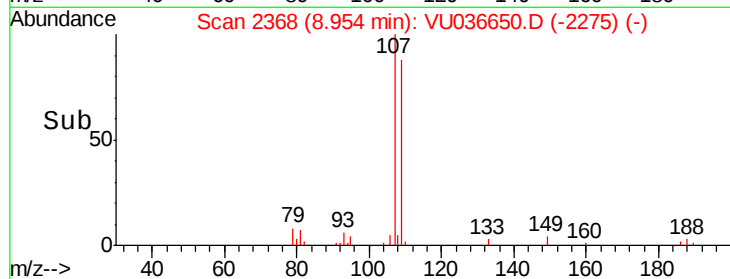
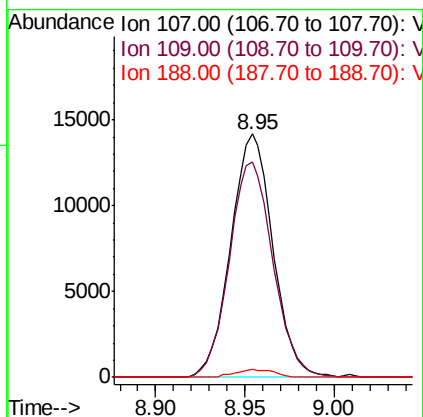
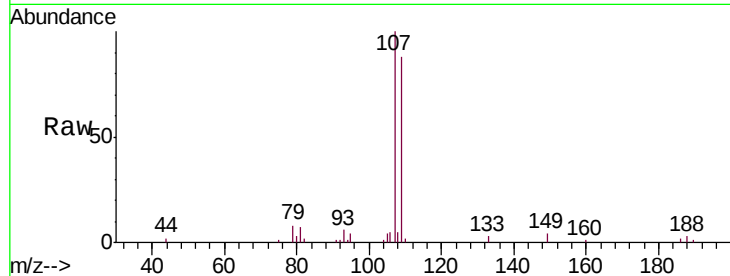




#50
 1,2-Dibromoethane
 Concen: 10.654 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

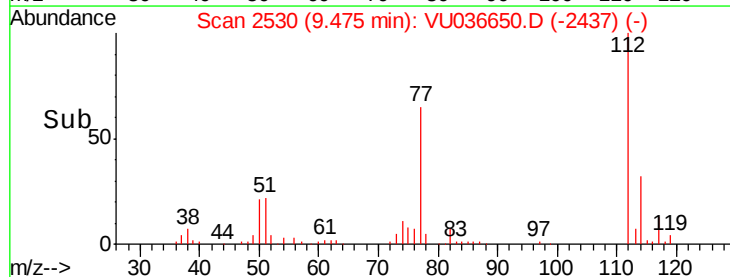
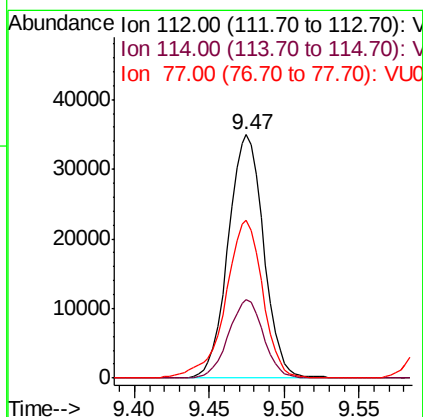
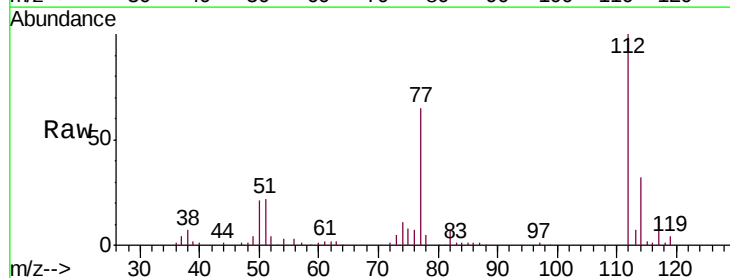
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

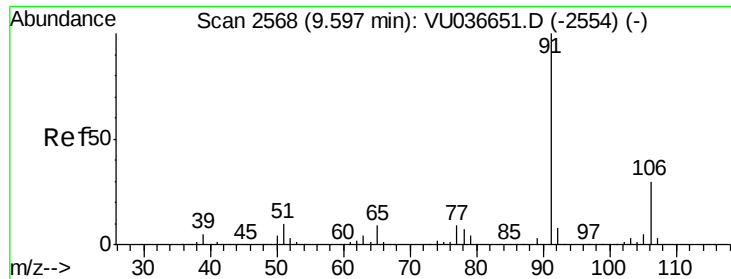
Tgt Ion:107 Resp: 23382
 Ion Ratio Lower Upper
 107 100
 109 88.3 64.5 119.7
 188 3.1 2.5 3.7



#51
 Chlorobenzene
 Concen: 10.183 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

Tgt Ion:112 Resp: 57508
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.5 41.9
 77 64.8 51.4 77.2





#52

Ethylbenzene

Concen: 10.816 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

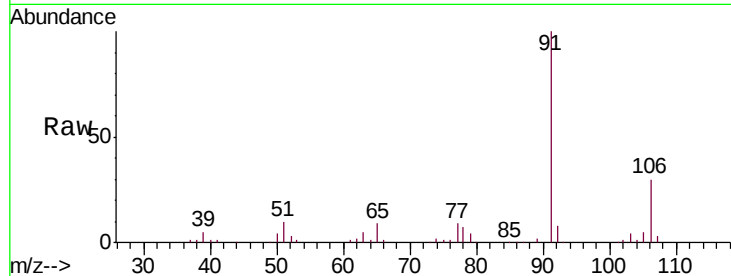
VSTD01031

Tgt Ion: 91 Resp: 104785

Ion Ratio Lower Upper

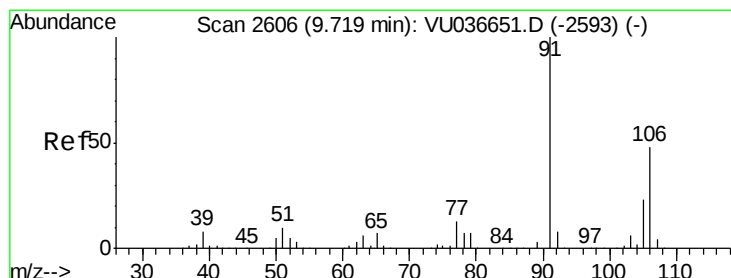
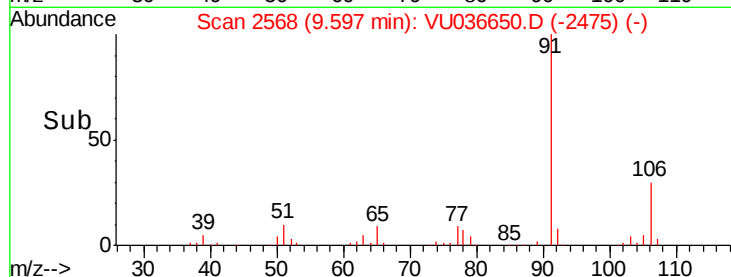
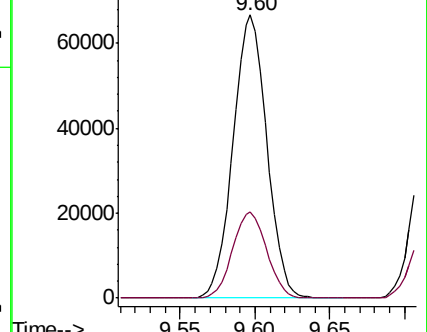
91 100

106 30.5 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU036650.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036650.D (-2554) (-)



#53

m,p-Xylene

Concen: 10.490 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036650.D

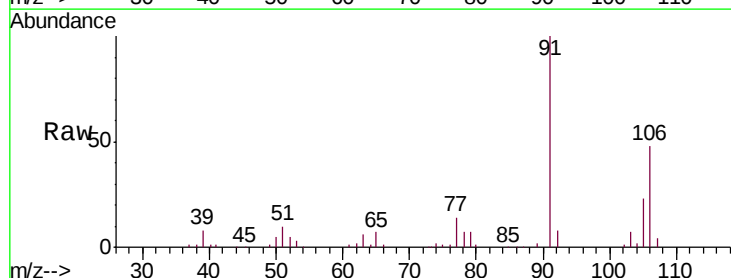
Acq: 31 Jan 2020 18:24

Tgt Ion: 106 Resp: 39184

Ion Ratio Lower Upper

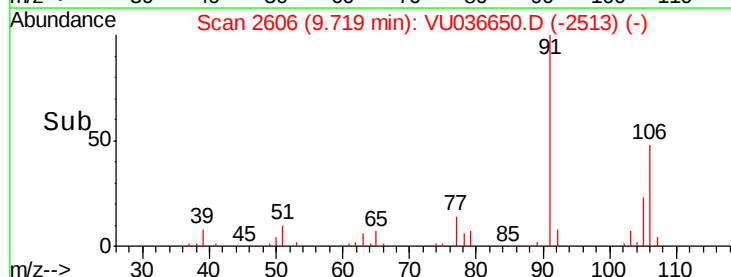
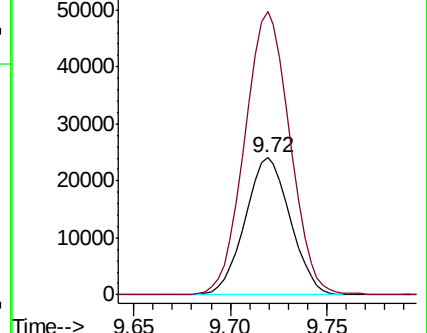
106 100

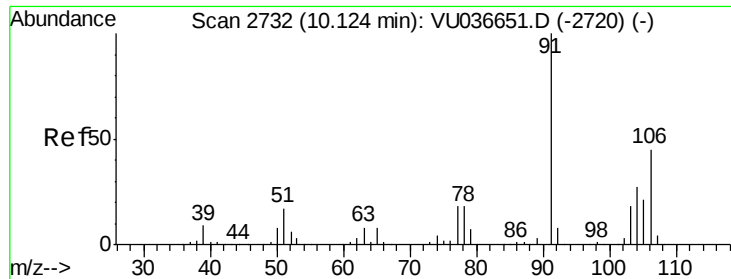
91 206.5 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): VU036650.D (-2593) (-)

Ion 91.00 (90.70 to 91.70): VU036650.D (-2593) (-)





#54

o-xylene

Concen: 10.516 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

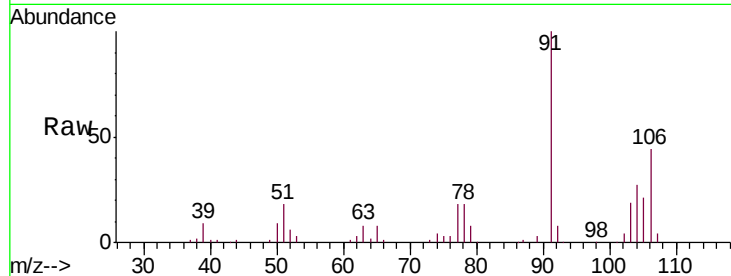
VSTD01031

Tgt Ion:106 Resp: 39182

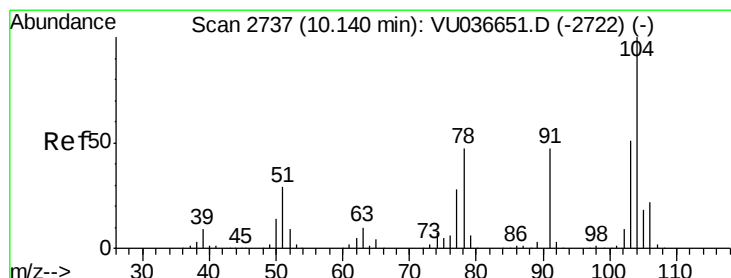
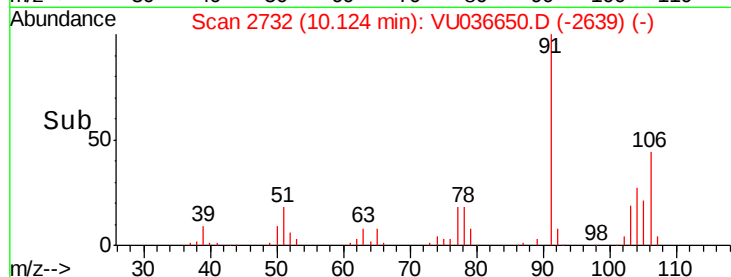
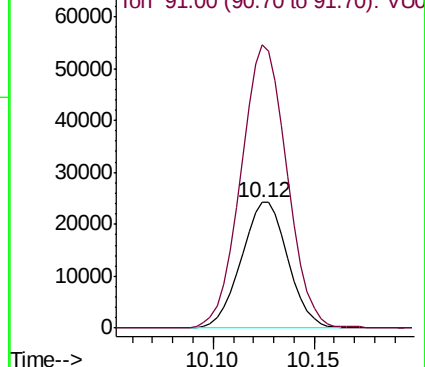
Ion Ratio Lower Upper

106 100

91 225.0 154.9 287.7



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 10.443 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036650.D

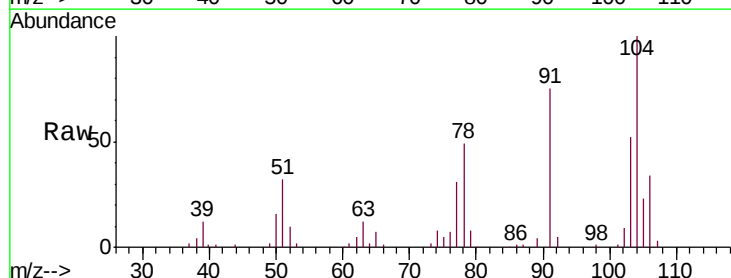
Acq: 31 Jan 2020 18:24

Tgt Ion:104 Resp: 63565

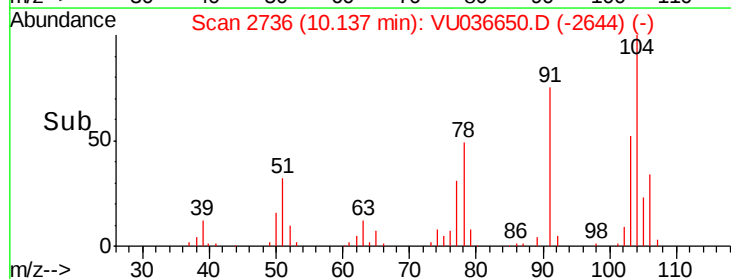
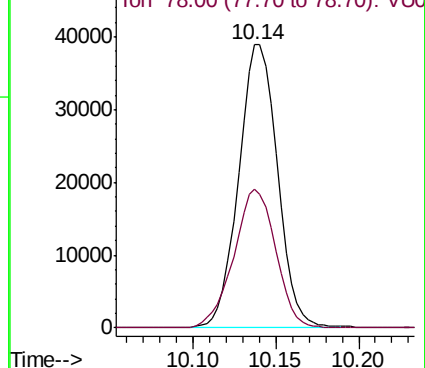
Ion Ratio Lower Upper

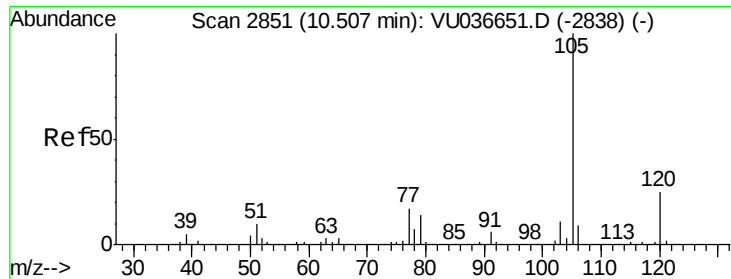
104 100

78 49.1 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 10.638 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

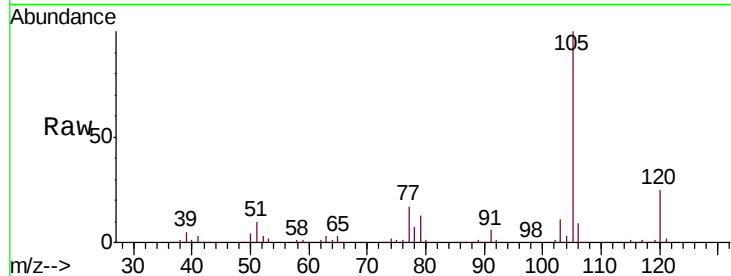
Tgt Ion: 105 Resp: 101123

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

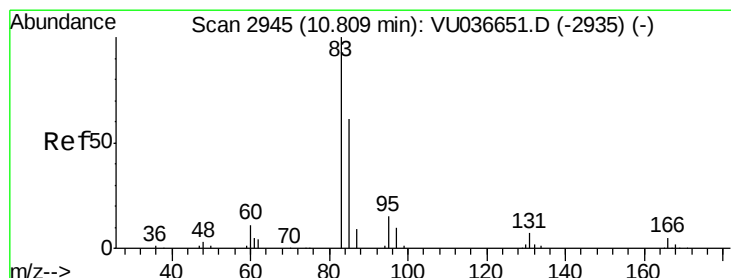
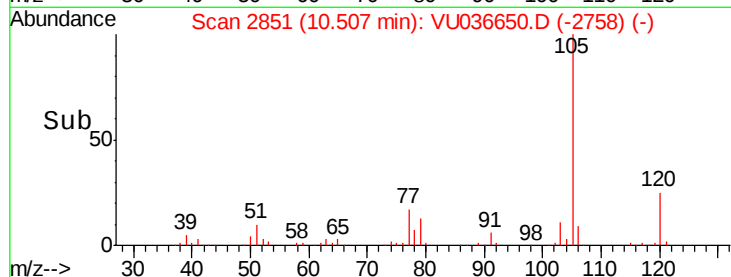
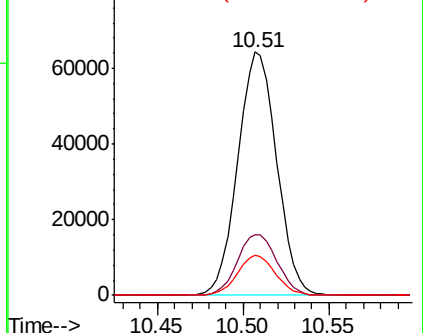
77 16.2 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.080 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

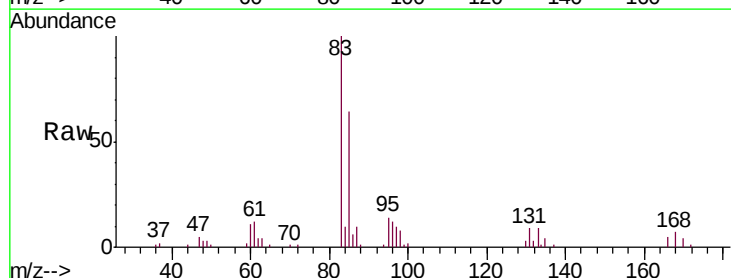
Tgt Ion: 83 Resp: 39489

Ion Ratio Lower Upper

83 100

85 63.7 44.3 82.3

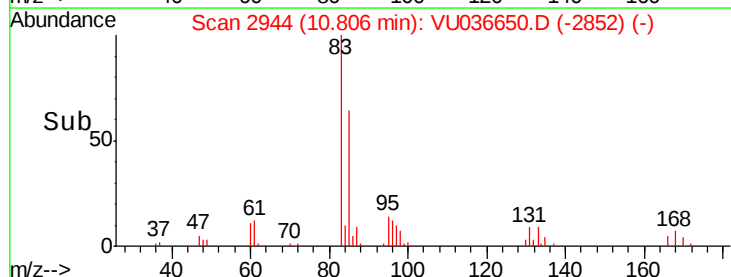
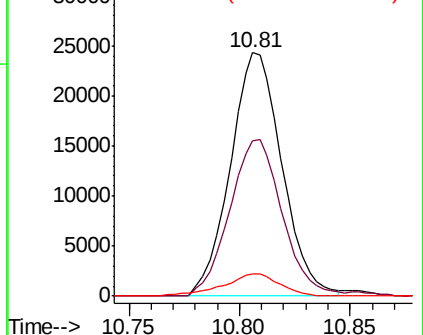
131 9.2 6.8 10.2

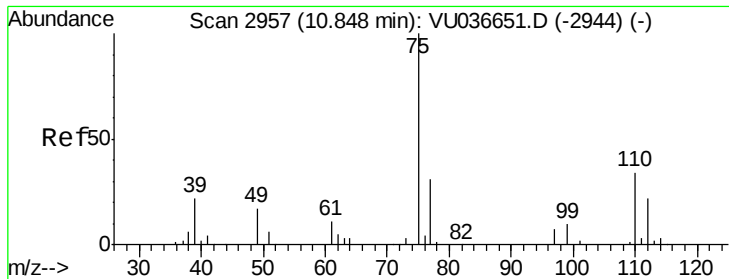


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 11.772 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

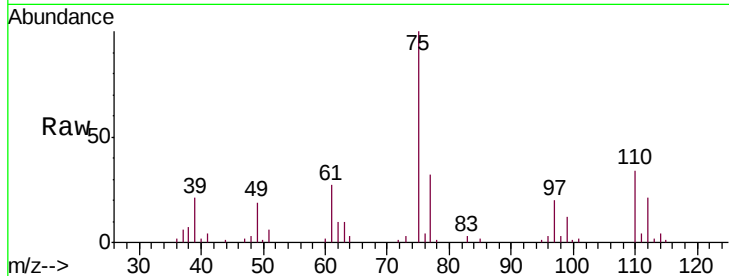
VSTD01031

Tgt Ion: 75 Resp: 33089

Ion Ratio Lower Upper

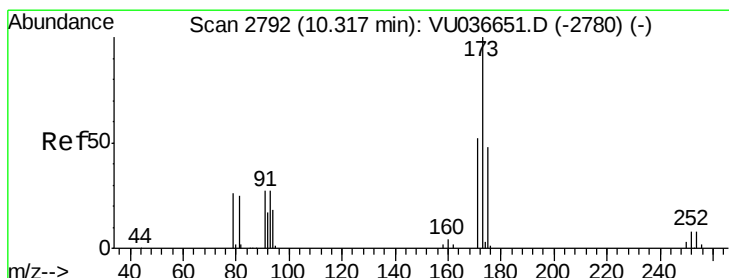
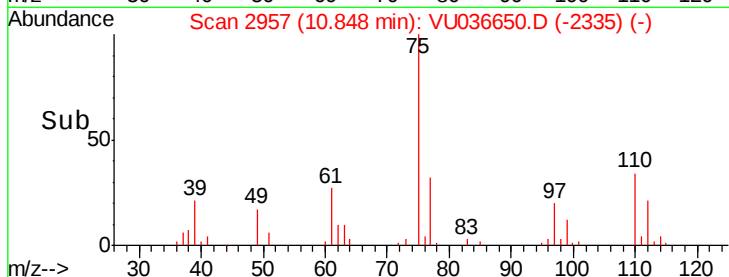
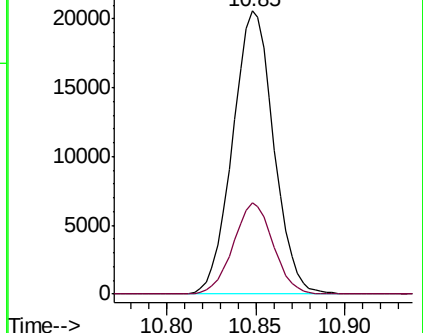
75 100

77 31.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU036651.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036651.D (-2944) (-)



#61

Bromoform

Concen: 9.746 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

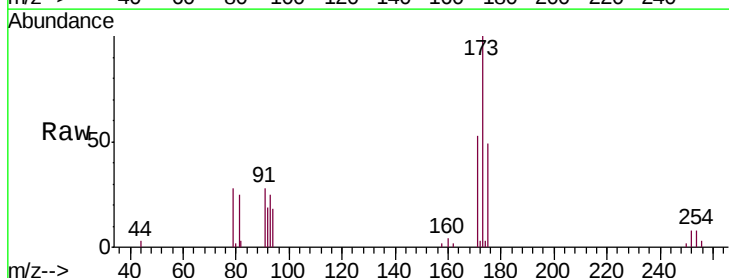
Tgt Ion: 173 Resp: 14770

Ion Ratio Lower Upper

173 100

175 49.5 38.6 58.0

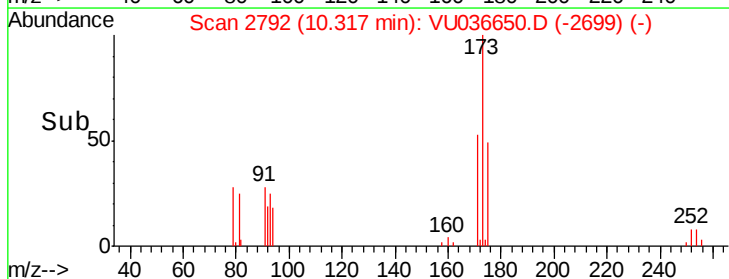
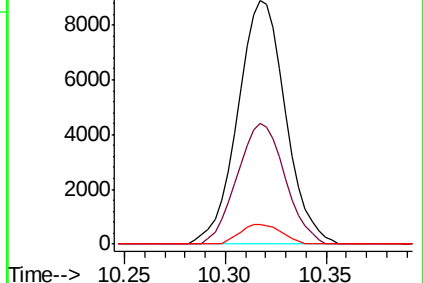
254 7.1 6.0 9.0

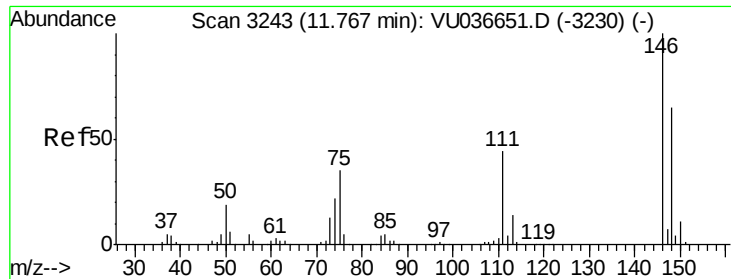


Abundance Ion 173.00 (172.70 to 173.70): VU036651.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU036651.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU036651.D (-2780) (-)





#62

1,3-Dichlorobenzene

Concen: 10.026 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

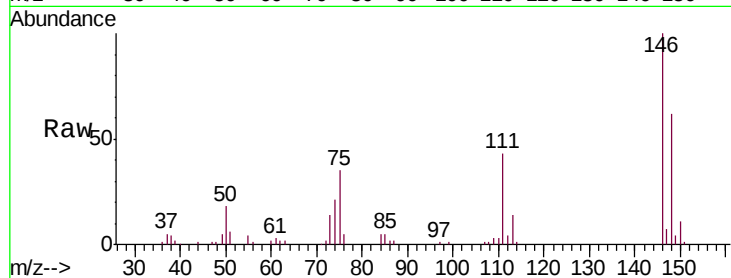
Tgt Ion:146 Resp: 39160

Ion Ratio Lower Upper

146 100

111 43.0 30.6 56.8

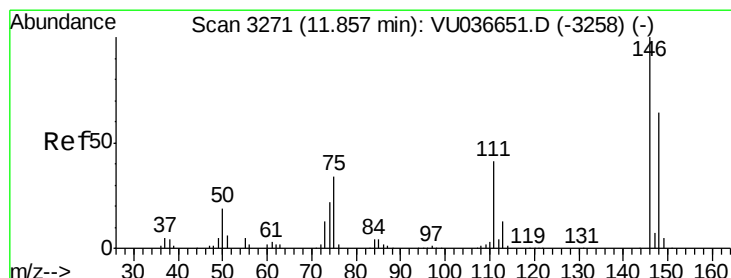
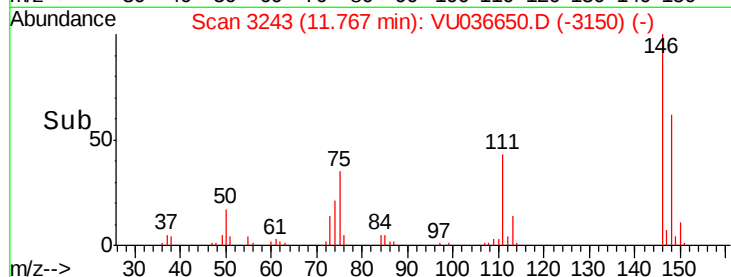
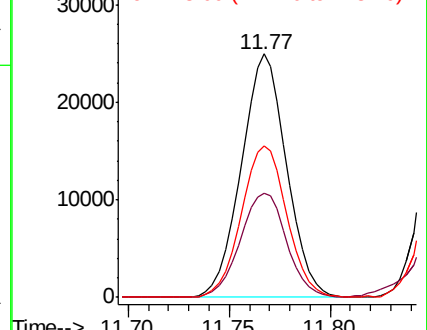
148 62.2 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.285 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

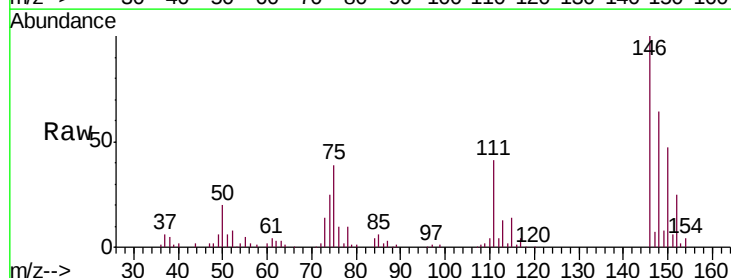
Tgt Ion:146 Resp: 39595

Ion Ratio Lower Upper

146 100

111 41.4 29.0 53.8

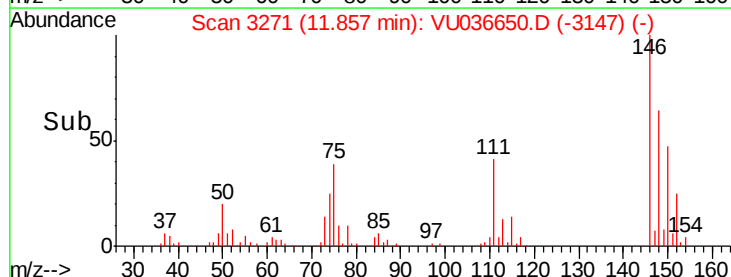
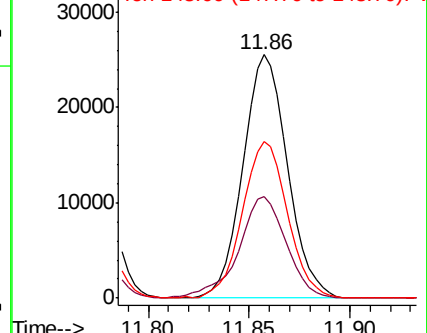
148 64.2 45.1 83.7

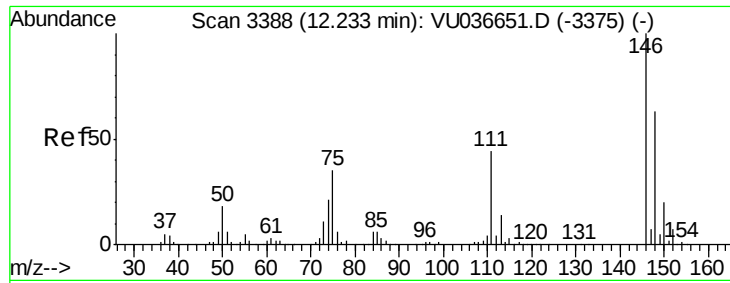


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.244 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

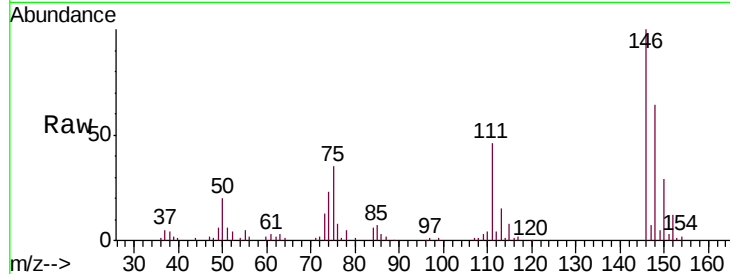
Tgt Ion:146 Resp: 40537

Ion Ratio Lower Upper

146 100

111 46.2 35.6 53.4

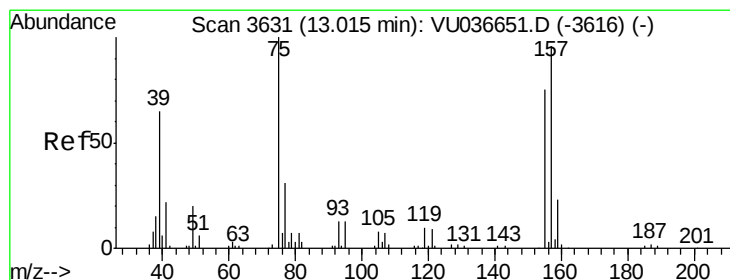
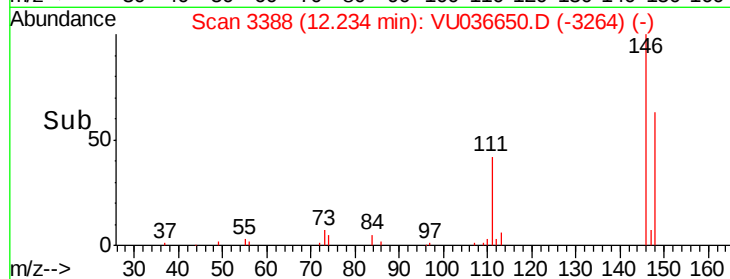
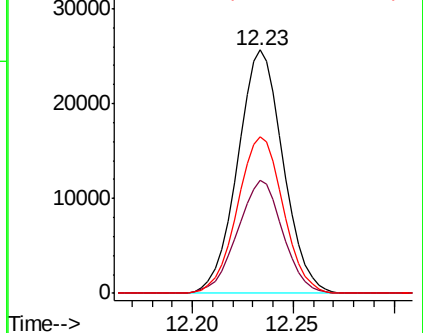
148 64.3 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): 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: 13.017 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

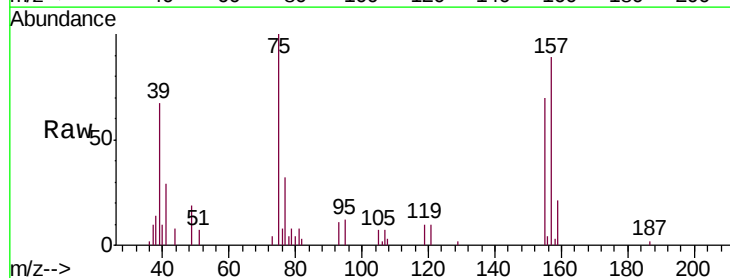
Tgt Ion: 75 Resp: 8578

Ion Ratio Lower Upper

75 100

155 70.2 60.2 90.4

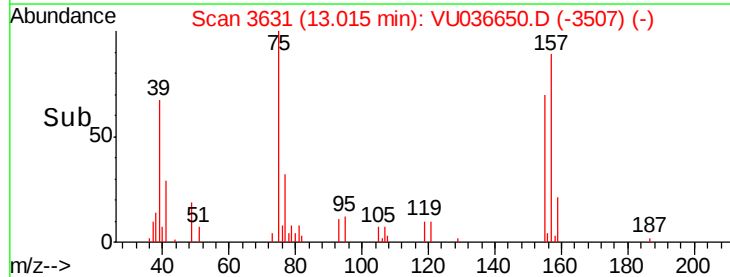
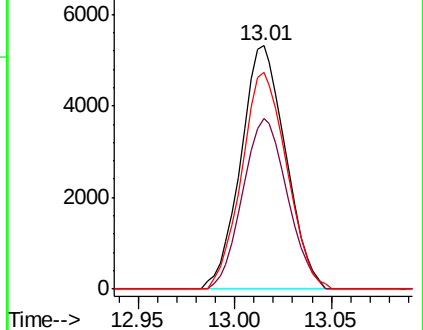
157 89.1 76.7 115.1

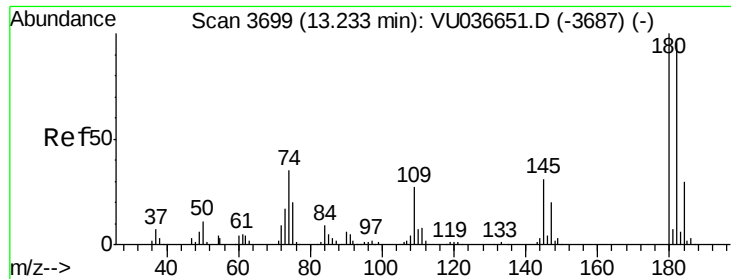


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

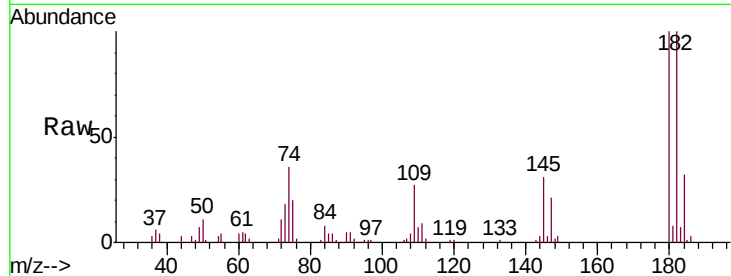




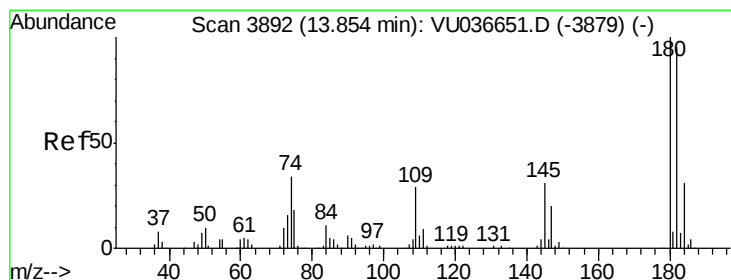
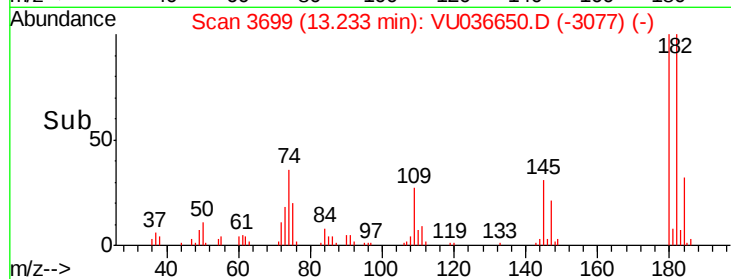
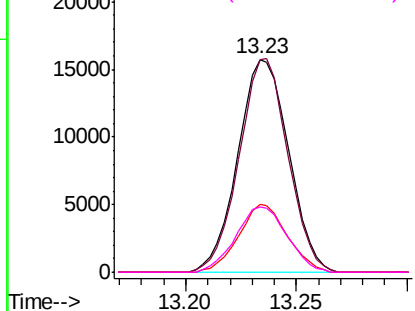
#67
 1,3,5-Trichlorobenzene
 Concen: 9.463 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tgt Ion:180 Resp: 25210
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 184 30.4 24.0 36.0
 145 30.9 24.7 37.1

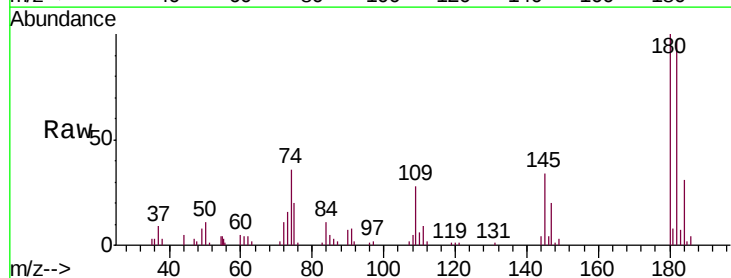


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

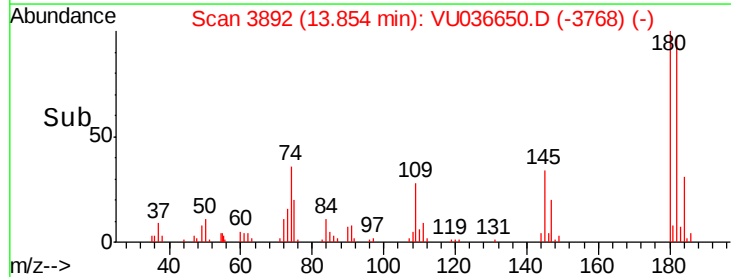
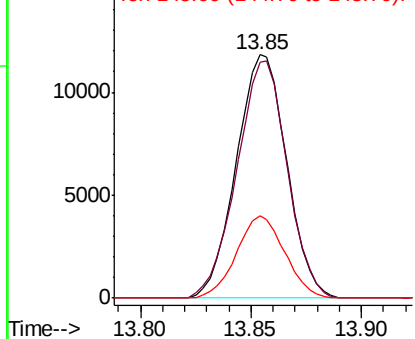


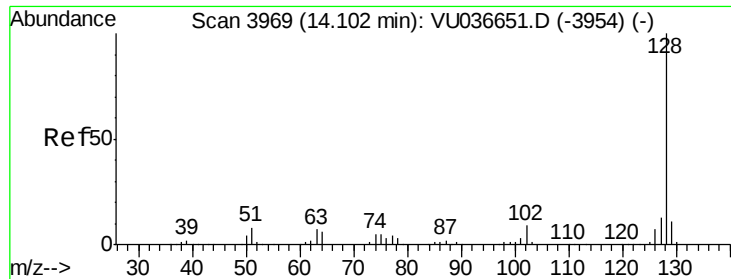
#68
 1,2,4-trichlorobenzene
 Concen: 9.665 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036650.D
 Acq: 31 Jan 2020 18:24

Tgt Ion:180 Resp: 18769
 Ion Ratio Lower Upper
 180 100
 182 97.3 75.2 112.8
 145 32.5 25.6 38.4



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





#69

Naphthalene

Concen: 12.337 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

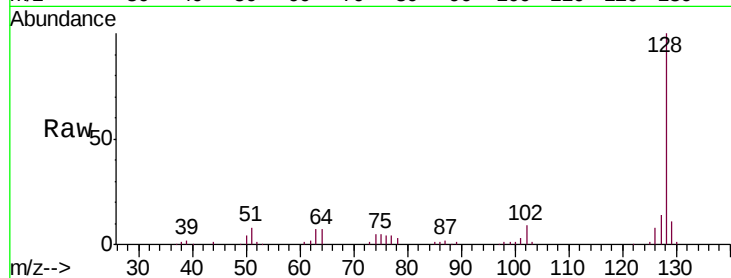
Tgt Ion:128 Resp: 74505

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

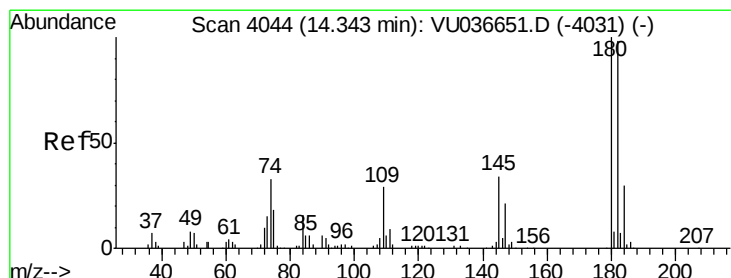
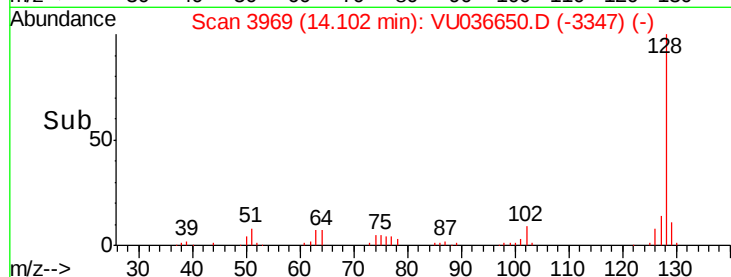
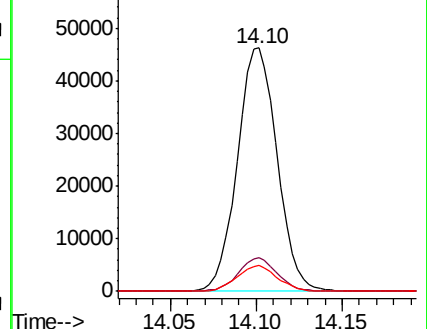
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.212 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036650.D

Acq: 31 Jan 2020 18:24

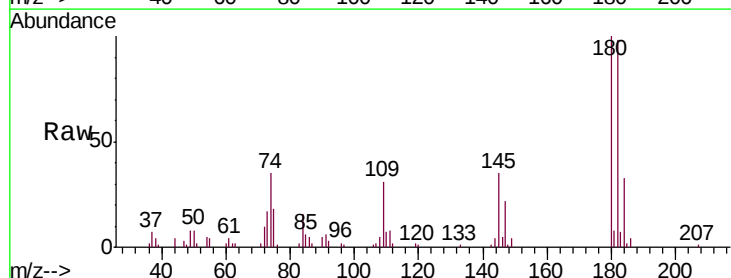
Tgt Ion:180 Resp: 20484

Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.0

145 34.0 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

