

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010521\
 Data File : VU041852.D
 Acq On : 05 Jan 2021 13:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 06 06:33:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 06:32:42 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	155772	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	150589	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	84894	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	50744	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.92	69	50259	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.57	65	24256	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.66	46	153057	43.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.78%
24) Chloroform-d	5.08	84	103815	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.71	65	54665	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.74	84	199557	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.70	67	60266	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.90	98	181460	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.18	79	26245	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.64	63	142994	47.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.72%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	57161	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
66) 1,2-Dichlorobenzene-d4	12.19	152	71213	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	76299	5.351	ug/L 98
3) Chloromethane	1.52	50	75608	5.831	ug/L 99
5) Vinyl chloride	1.61	62	88657	5.581	ug/L 99
6) Bromomethane	1.86	94	52537	4.828	ug/L 98
8) Chloroethane	1.94	64	54735	5.442	ug/L 98
9) Trichlorofluoromethane	2.14	101	118138	5.382	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	68365	5.531	ug/L 99
12) 1,1-Dichloroethene	2.59	96	67501	5.507	ug/L 90
13) Acetone	2.67	43	115976	48.189	ug/L # 66
14) Carbon disulfide	2.80	76	214101	5.218	ug/L 100
15) Methyl Acetate	2.97	43	25592	4.538	ug/L 96
16) Methylene chloride	3.06	84	74222	4.778	ug/L 94
17) Methyl tert-butyl Ether	3.37	73	152610	5.139	ug/L 98
18) trans-1,2-Dichloroethene	3.36	96	64272	5.421	ug/L 97
19) 1,1-Dichloroethane	3.88	63	109025	5.180	ug/L 99
21) 2-Butanone	4.74	43	158720	47.780	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	64492	5.238	ug/L 89

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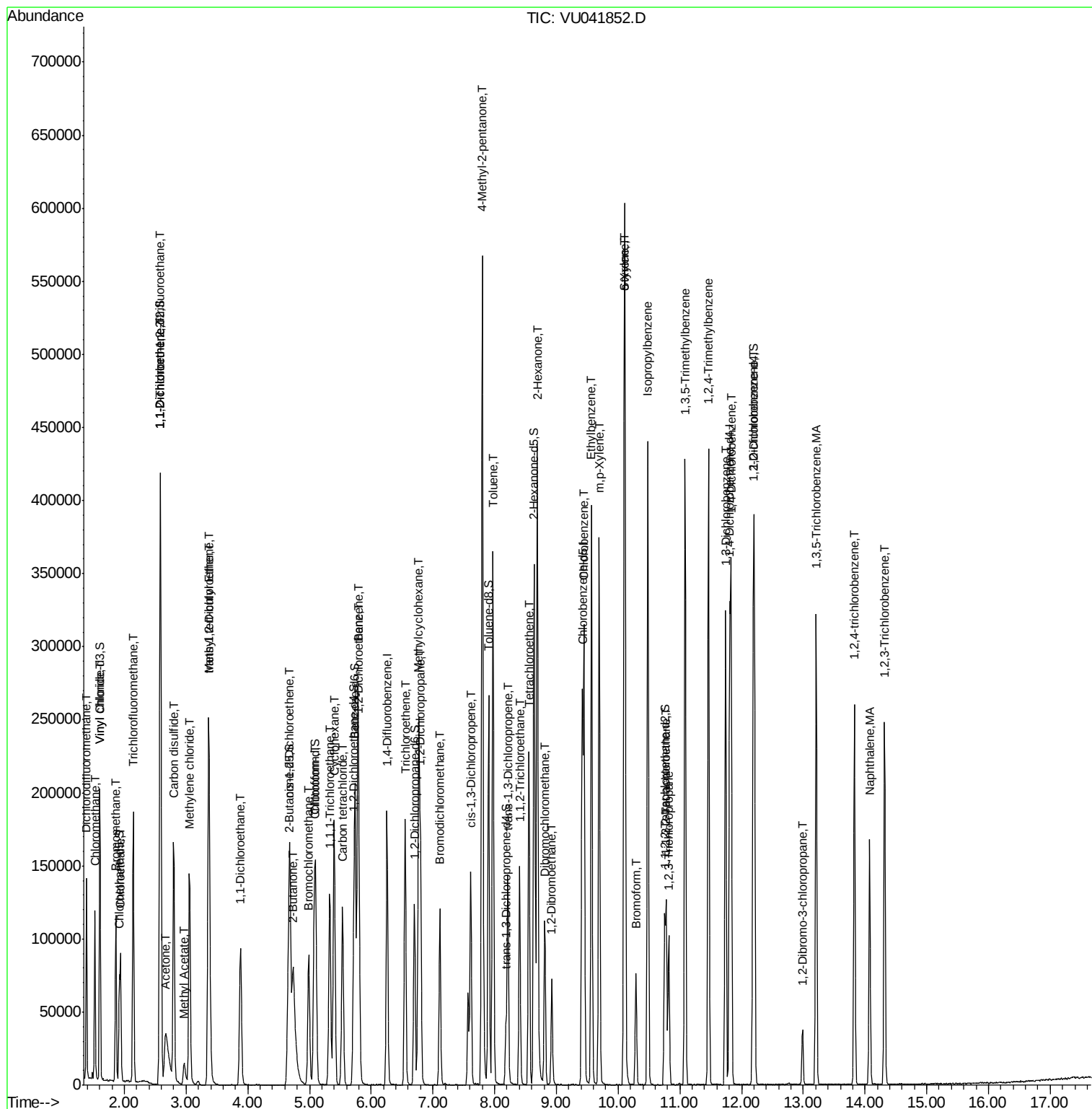
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	31660	5.295	ug/L	93
25) Chloroform	5.10	83	111305	5.237	ug/L	100
27) 1,2-Dichloroethane	5.81	62	70542	5.100	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	95513	5.303	ug/L	98
30) Cyclohexane	5.40	56	89230	5.379	ug/L	98
31) Carbon tetrachloride	5.54	117	86394	5.416	ug/L	100
33) Benzene	5.78	78	243422	5.423	ug/L	100
34) Trichloroethene	6.55	95	62725	5.345	ug/L	98
35) Methylcyclohexane	6.77	83	99337	5.522	ug/L	99
37) 1,2-Dichloropropane	6.80	63	61679	5.530	ug/L	100
38) Bromodichloromethane	7.11	83	80964	5.528	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	89597	5.357	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	363642	50.929	ug/L	99
42) Toluene	7.97	91	271954	5.743	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	83123	5.430	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	47591	5.269	ug/L	97
47) Tetrachloroethene	8.56	164	52940	5.771	ug/L	97
48) 2-Hexanone	8.69	43	272037	52.101	ug/L	99
49) Dibromochloromethane	8.81	129	59083	5.438	ug/L	98
50) 1,2-Dibromoethane	8.93	107	46901	5.245	ug/L	98
51) Chlorobenzene	9.45	112	174058	5.605	ug/L	99
52) Ethylbenzene	9.57	91	284272	5.761	ug/L	99
53) m,p-Xylene	9.69	106	113673	5.874	ug/L	98
54) o-Xylene	10.10	106	106973	5.802	ug/L	99
55) Styrene	10.11	104	185103	5.831	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	60931	5.135	ug/L	98
59) Bromoform	10.29	173	37107	5.073	ug/L	96
60) Isopropylbenzene	10.48	105	288809	5.437	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	44353	4.653	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	233980	5.366	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	243562	5.626	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	141262	5.499	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	139615	5.348	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	132897	5.202	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	10011	4.563	ug/L	91
69) 1,3,5-Trichlorobenzene	13.21	180	102871	5.344	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	82256	5.858	ug/L	99
71) Naphthalene	14.08	128	137612	5.556	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	78014	5.817	ug/L	100

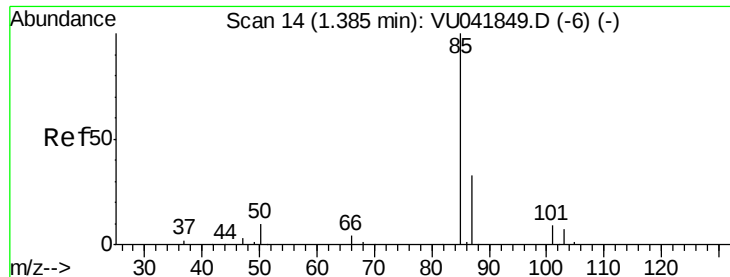
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU041852.D
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MSVOA_U
ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 06 06:32:42 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.351 ug/L

RT: 1.39 min Scan# 14

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

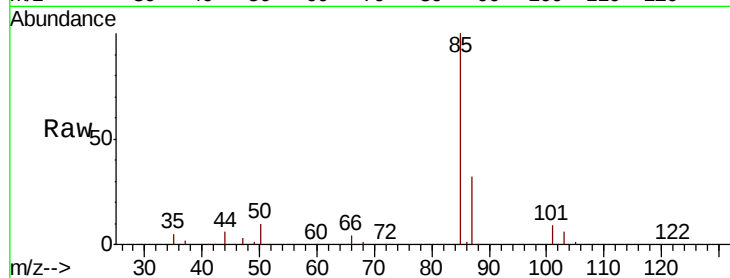
ClientSampleId :

Tot Ion: 85 Resp: 76299

Ion Ratio Lower Upper

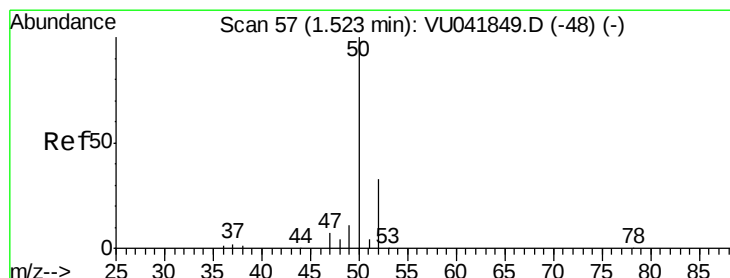
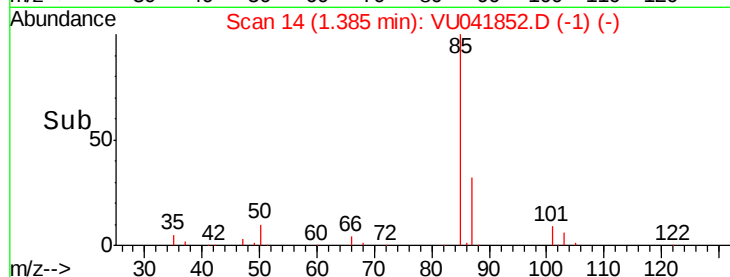
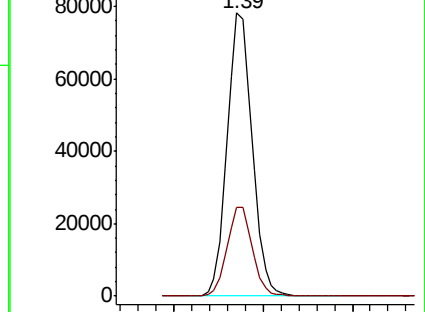
85 100

87 31.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041849.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041849.D (-6) (-)



#3

Chloromethane

Concen: 5.831 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041852.D

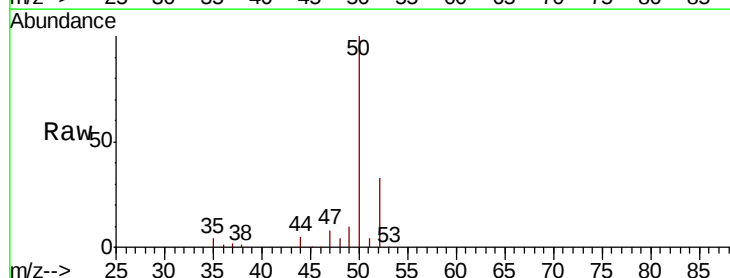
Acq: 05 Jan 2021 13:06

Tgt Ion: 50 Resp: 75608

Ion Ratio Lower Upper

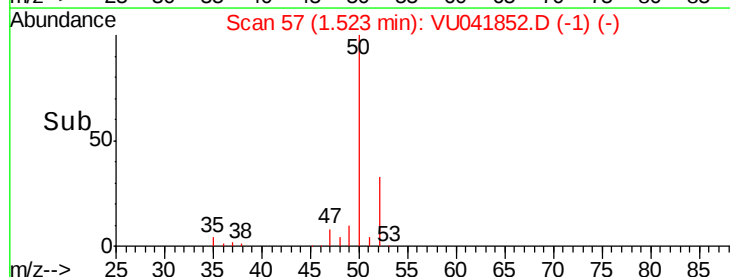
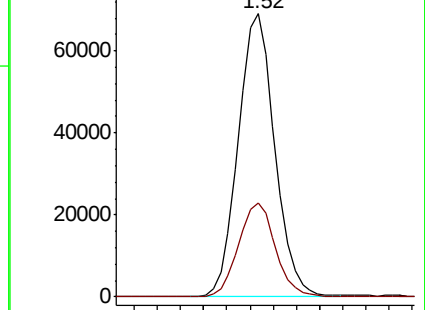
50 100

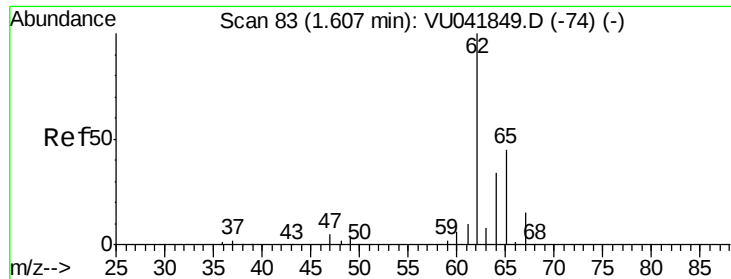
52 33.4 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU041849.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041849.D (-48) (-)

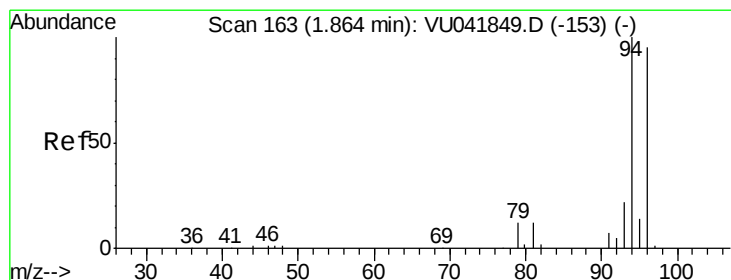
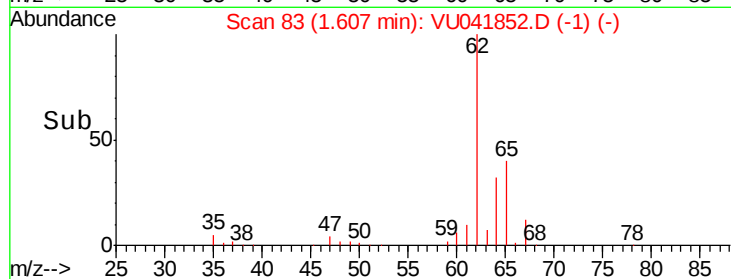
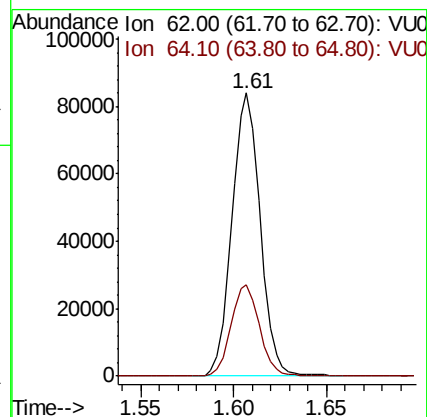
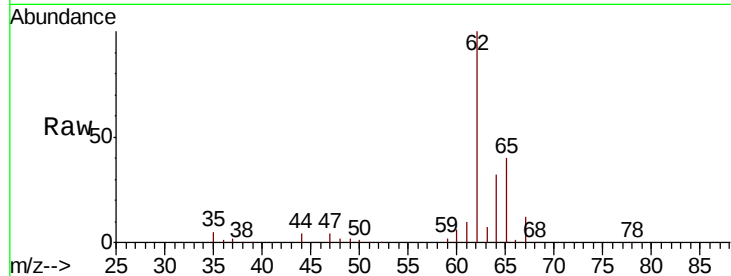




#5
 Vinyl chloride
 Concen: 5.581 ug/L
 RT: 1.61 min Scan# 83
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

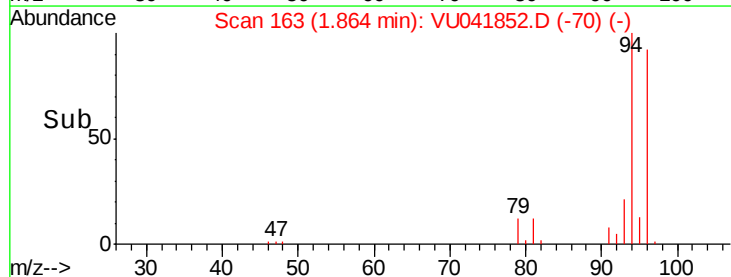
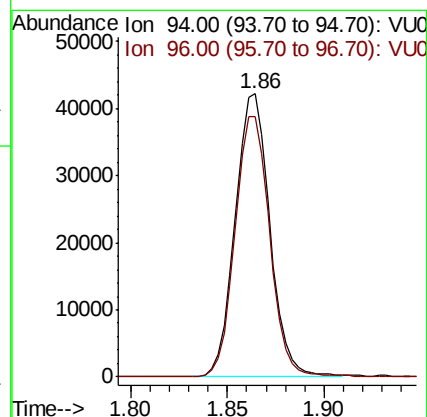
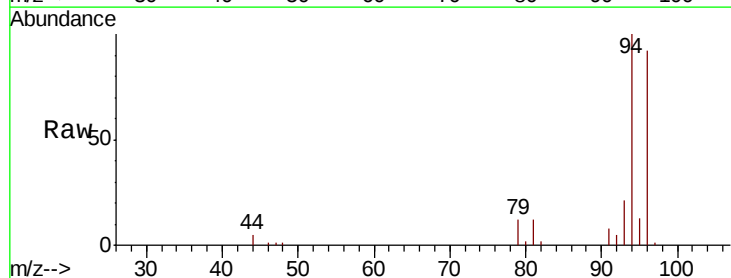
Instrument :
 MSVOA_U
 ClientSampled :

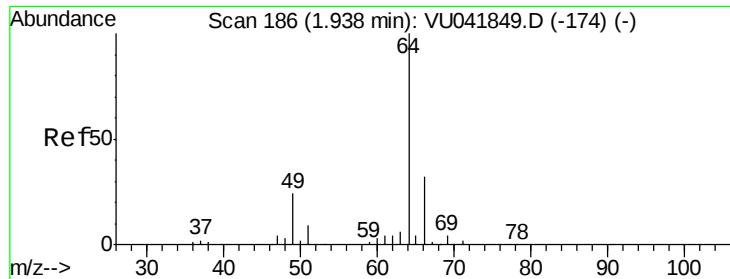
Tot Ion: 62 Resp: 88657
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.8 42.4



#6
 Bromomethane
 Concen: 4.828 ug/L
 RT: 1.86 min Scan# 163
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Tgt Ion: 94 Resp: 52537
 Ion Ratio Lower Upper
 94 100
 96 92.0 66.1 122.7

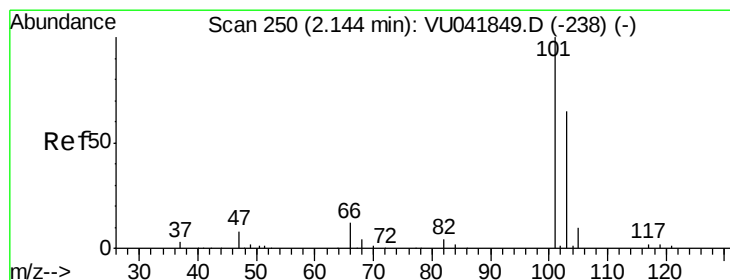
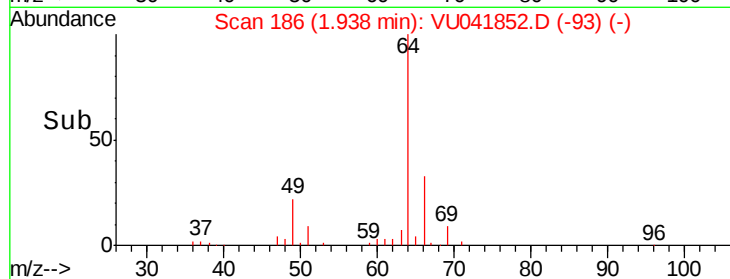
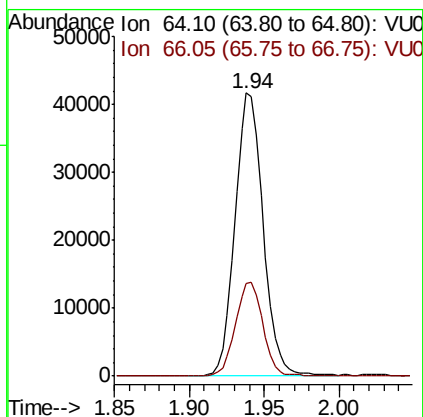
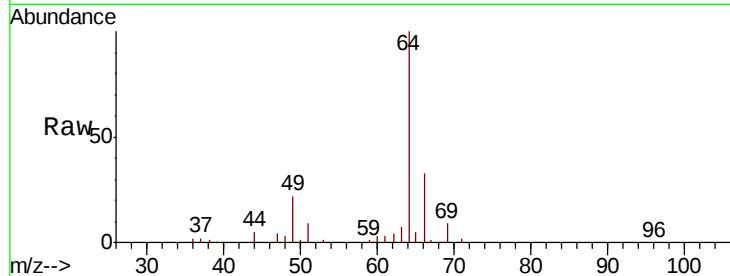




#8
Chloroethane
Concen: 5.442 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

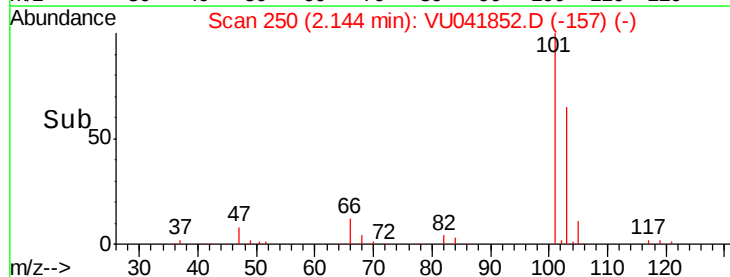
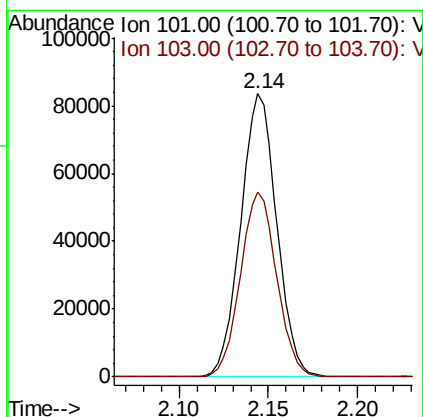
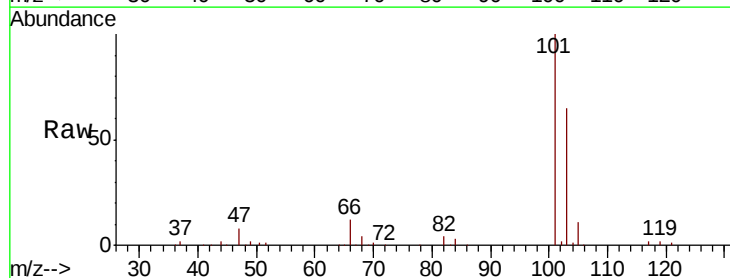
Instrument :
MSVOA_U
ClientSampled :

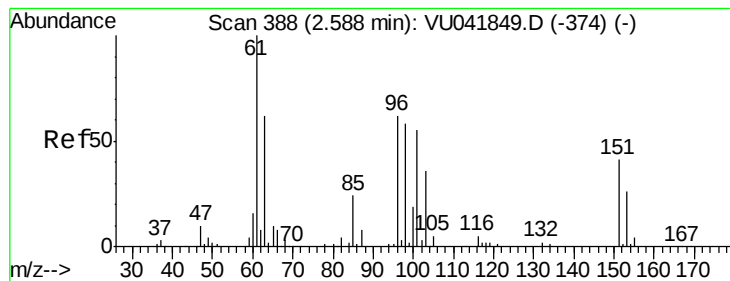
Tot Ion: 64 Resp: 54735
Ion Ratio Lower Upper
64 100
66 32.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.382 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion:101 Resp: 118138
Ion Ratio Lower Upper
101 100
103 65.7 51.5 77.3





#10

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

Concen: 5.531 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

ClientSampled :

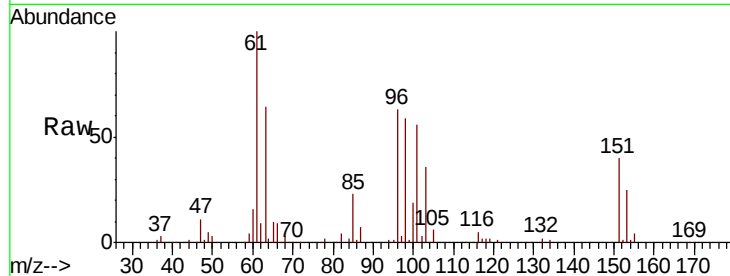
Tot Ion:101 Resp: 68365

Ion Ratio Lower Upper

101 100

85 42.2 34.5 51.7

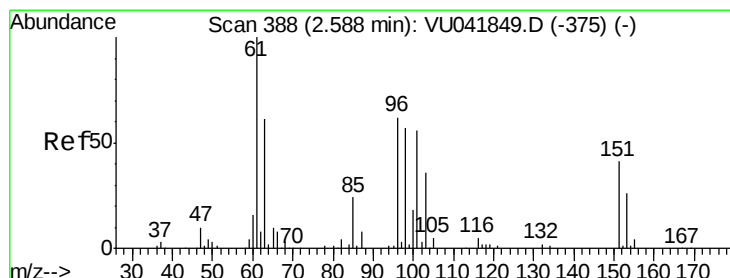
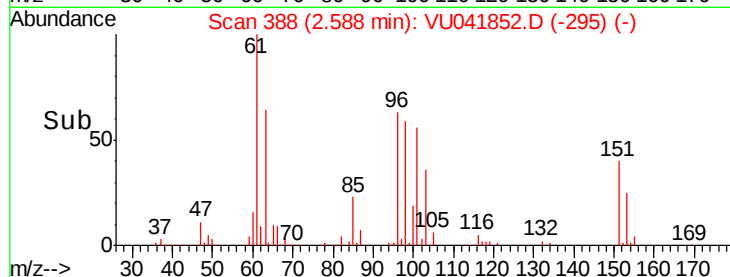
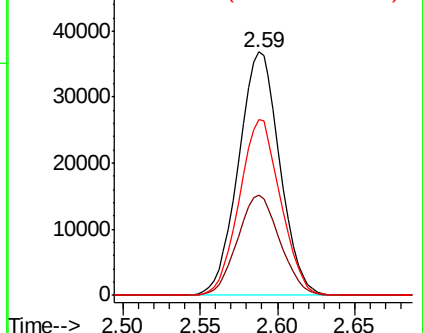
151 72.0 57.4 86.2



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: 5.507 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

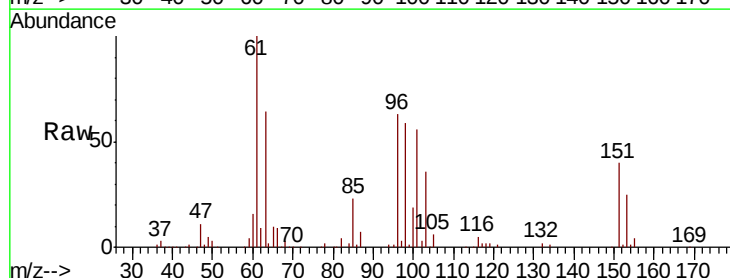
Tgt Ion: 96 Resp: 67501

Ion Ratio Lower Upper

96 100

61 158.8 115.1 213.7

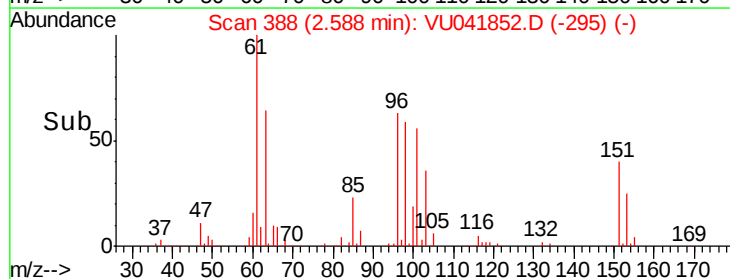
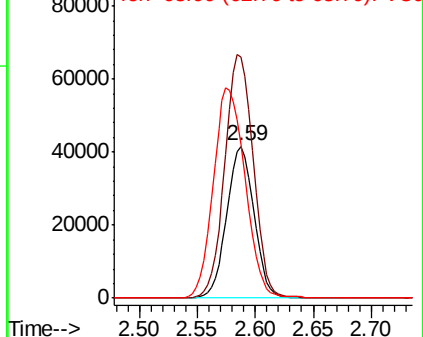
63 101.4 84.1 156.1

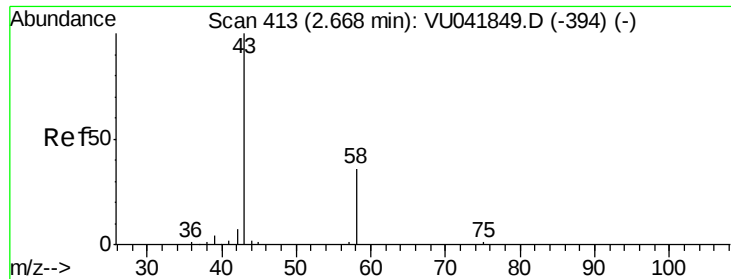


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.189 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

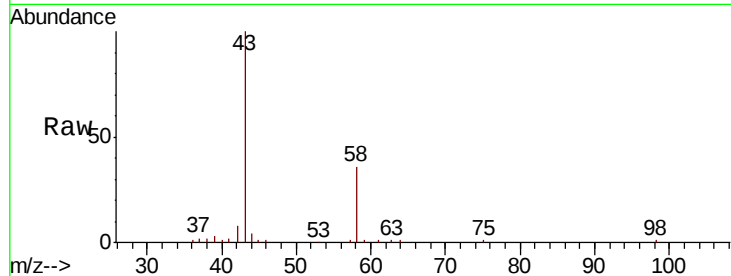
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 115976

Ion Ratio Lower Upper

43 100

58 25.9 0.0 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU041849.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU041849.D (-394) (-)

2.67

25000

20000

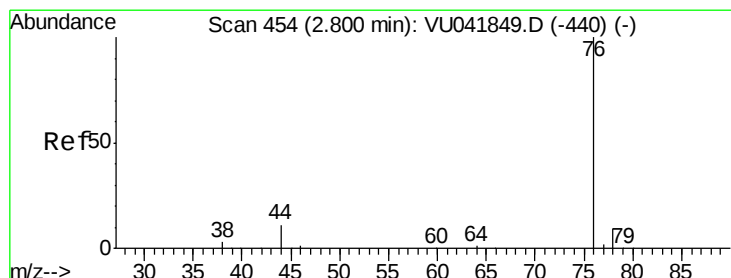
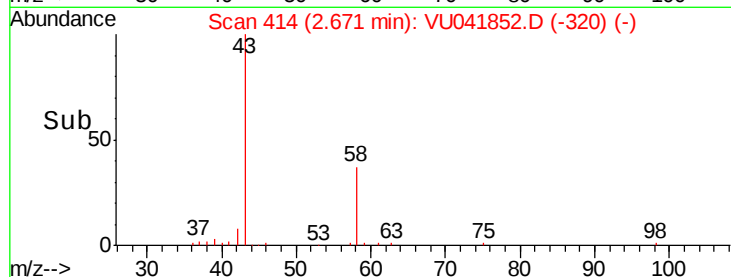
15000

10000

5000

0

Time--> 2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 5.218 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.00 min

Lab File: VU041852.D

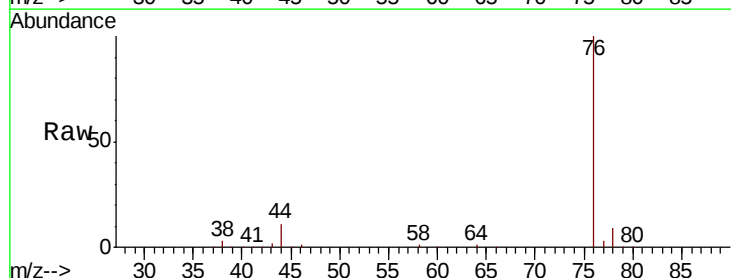
Acq: 05 Jan 2021 13:06

Tgt Ion: 76 Resp: 214101

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041849.D (-440) (-)

Ion 78.00 (77.70 to 78.70): VU041849.D (-440) (-)

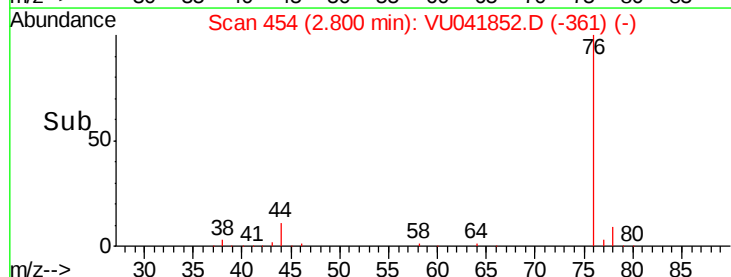
2.80

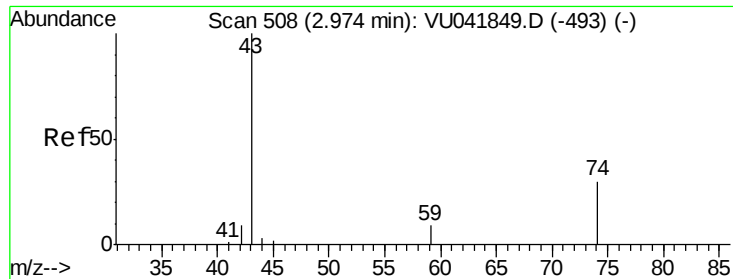
100000

50000

0

Time--> 2.70 2.80 2.90

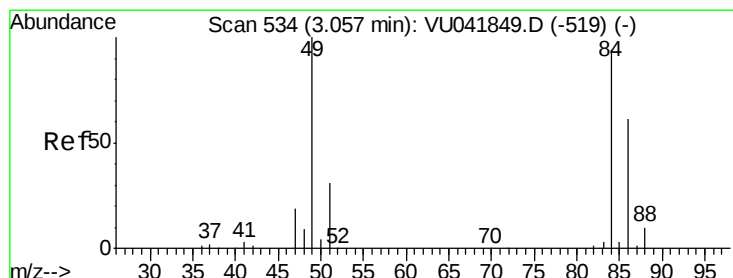
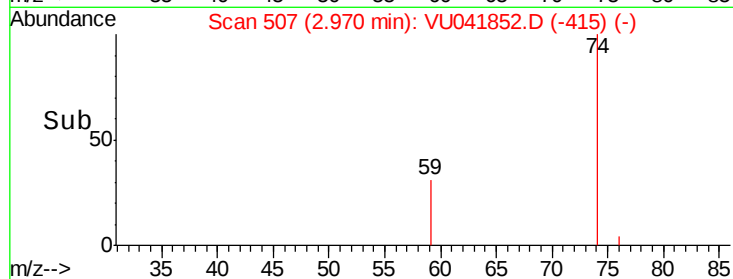
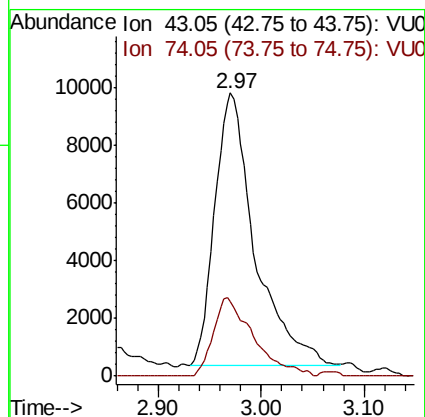
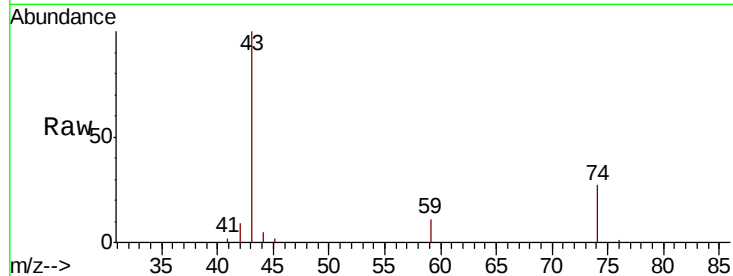




#15
Methvl Acetate
Concen: 4.538 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

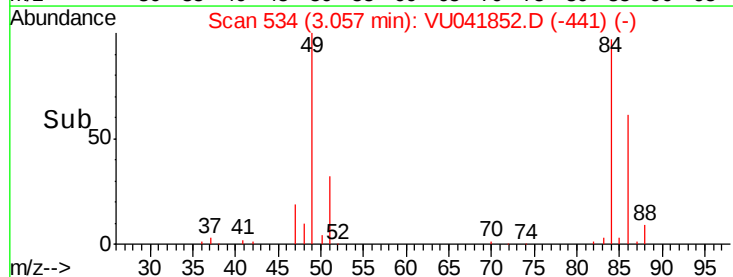
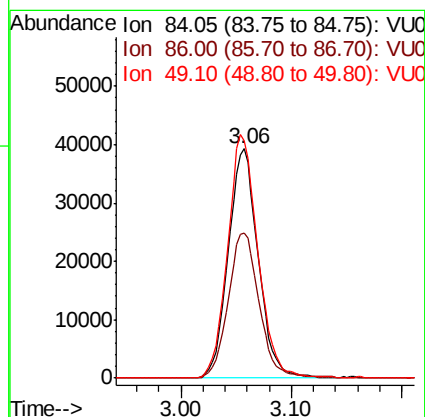
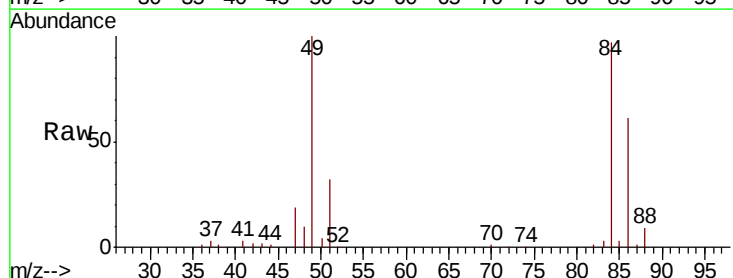
Instrument :
MSVOA_U
ClientSampled :

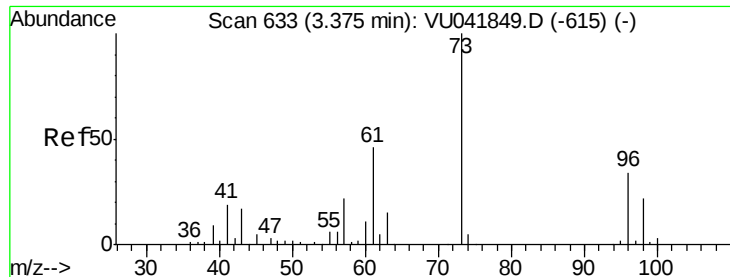
Tot Ion: 43 Resp: 25592
Ion Ratio Lower Upper
43 100
74 29.0 21.5 32.3



#16
Methylene chloride
Concen: 4.778 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion: 84 Resp: 74222
Ion Ratio Lower Upper
84 100
86 63.3 44.9 83.5
49 103.3 79.0 146.8

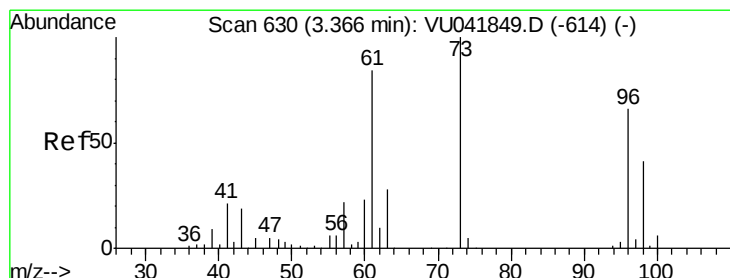
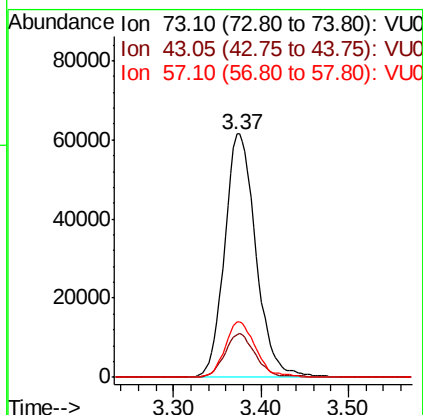
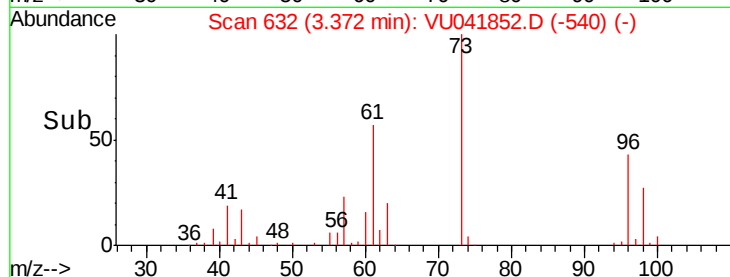
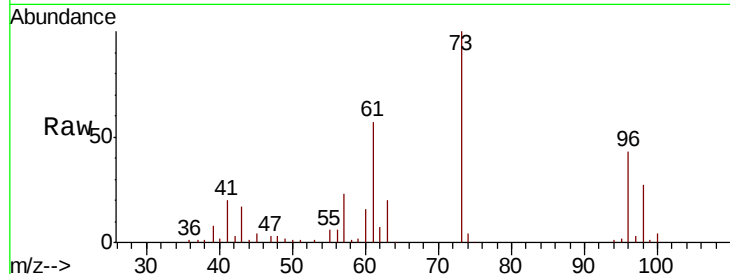




#17
Methvl tert-butvl Ether
Concen: 5.139 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

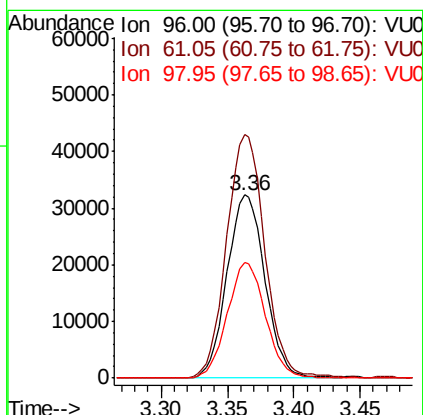
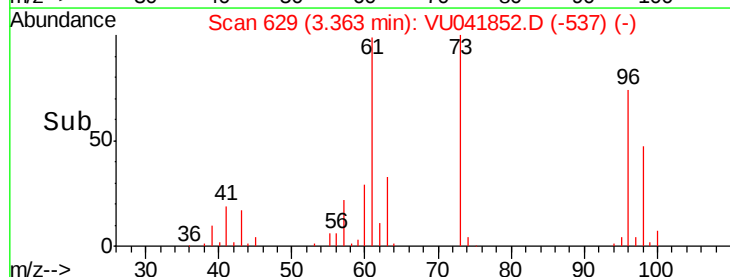
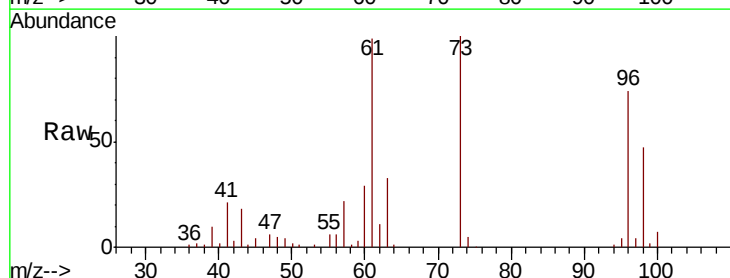
Instrument :
MSVOA_U
ClientSampleId :

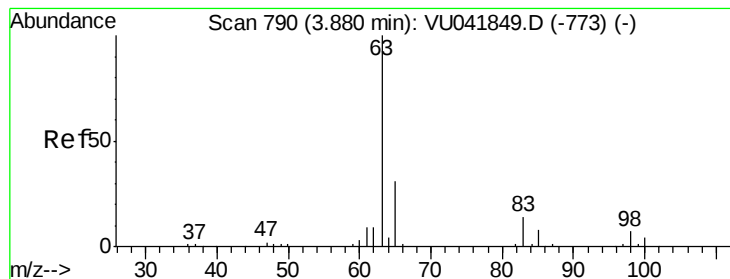
Tot Ion: 73 Resp: 152610
Ion Ratio Lower Upper
73 100
43 17.8 15.0 22.4
57 22.4 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.421 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion: 96 Resp: 64272
Ion Ratio Lower Upper
96 100
61 133.0 96.6 179.4
98 63.2 44.7 82.9





#19

1,1-Dichloroethane

Concen: 5.180 ug/L

RT: 3.88 min Scan# 791

Delta R.T. 0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

ClientSampled :

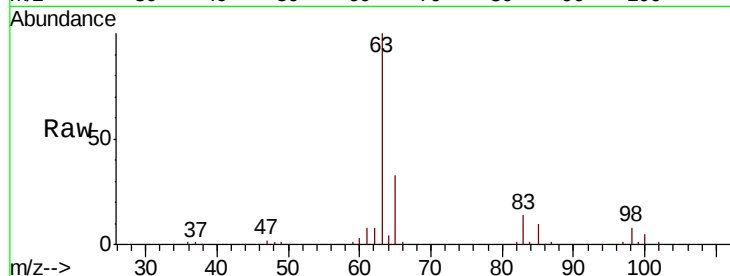
Tot Ion: 63 Resp: 109025

Ion Ratio Lower Upper

63 100

65 32.7 23.2 43.0

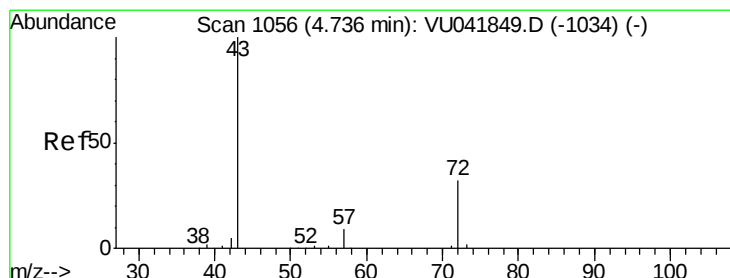
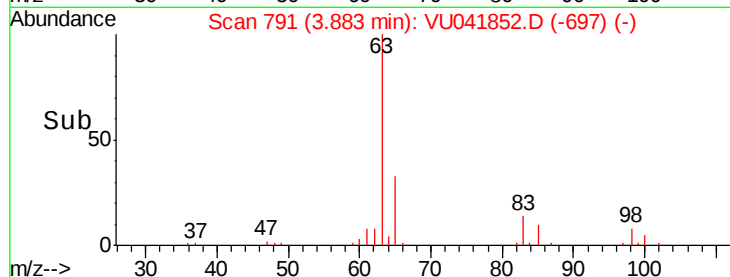
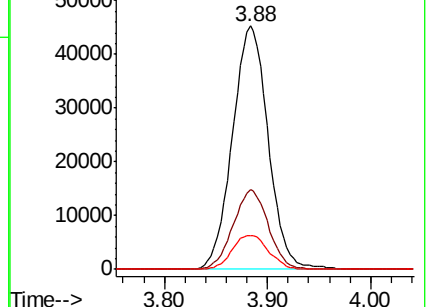
83 13.9 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU041849.D (-773) (-)

Ion 65.10 (64.80 to 65.80): VU041849.D (-773) (-)

Ion 83.05 (82.75 to 83.75): VU041849.D (-773) (-)



#21

2-Butanone

Concen: 47.780 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU041852.D

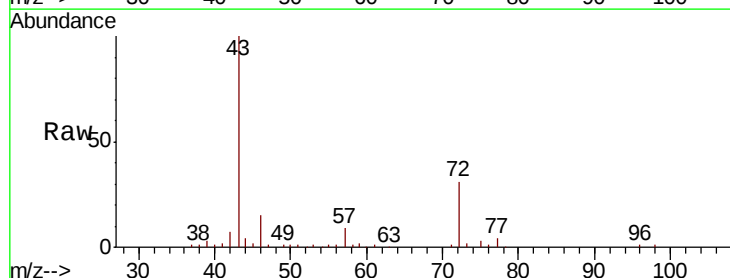
Acq: 05 Jan 2021 13:06

Tgt Ion: 43 Resp: 158720

Ion Ratio Lower Upper

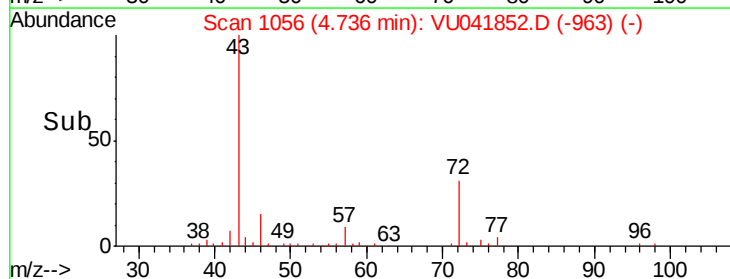
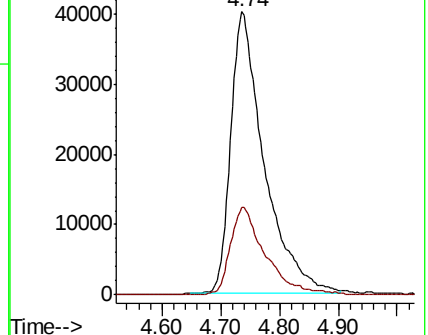
43 100

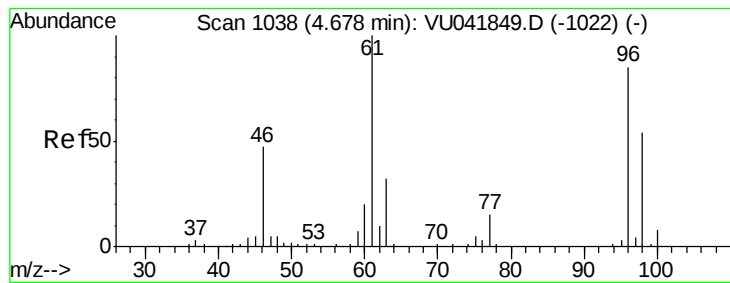
72 32.0 15.8 47.3



Abundance Ion 43.05 (42.75 to 43.75): VU041849.D (-1034) (-)

Ion 72.10 (71.80 to 72.80): VU041849.D (-1034) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.238 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

ClientSampleId :

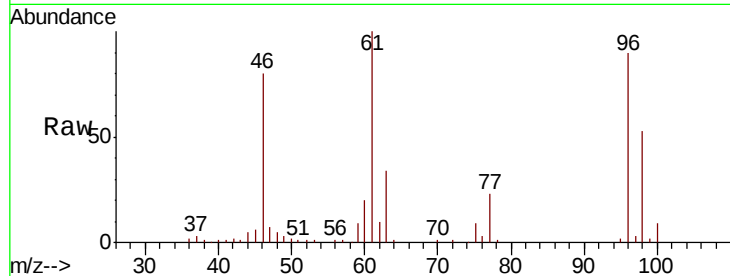
Tot Ion: 96 Resp: 64492

Ion Ratio Lower Upper

96 100

61 111.7 87.4 162.4

98 59.5 47.7 88.5

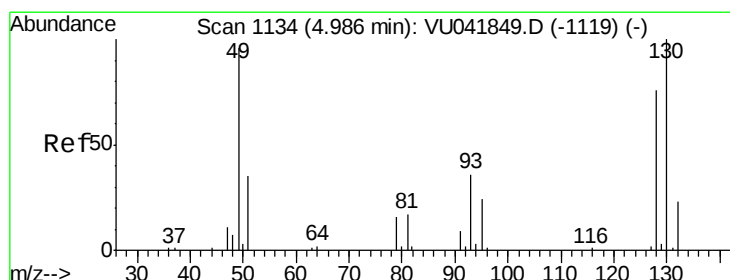
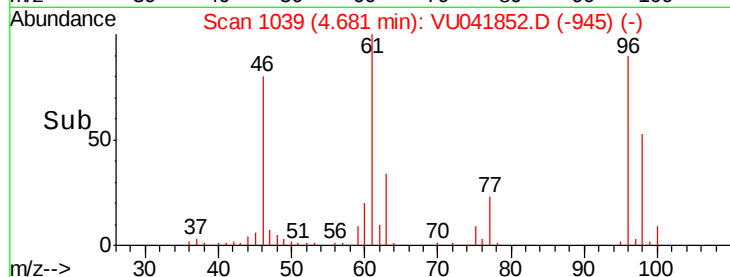
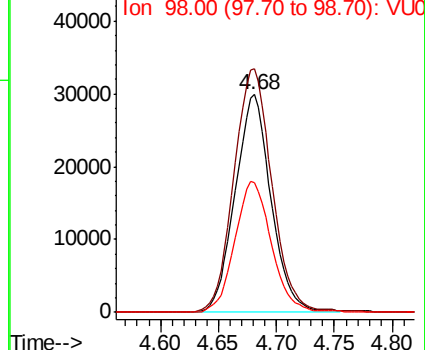


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 5.295 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Tgt Ion:128 Resp: 31660

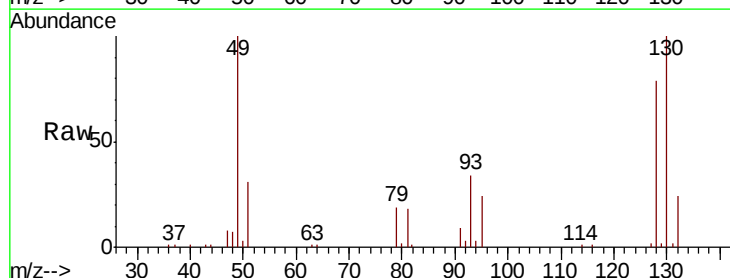
Ion Ratio Lower Upper

128 100

49 126.0 96.4 179.0

130 126.5 91.2 169.4

51 39.8 35.0 52.6



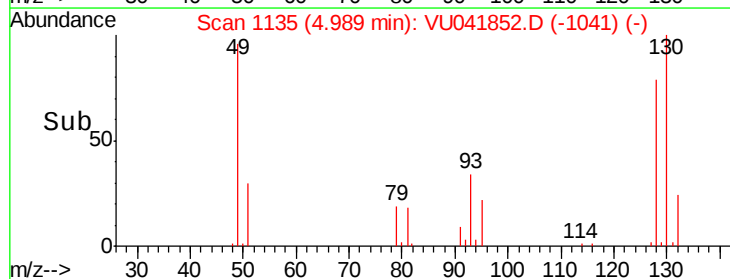
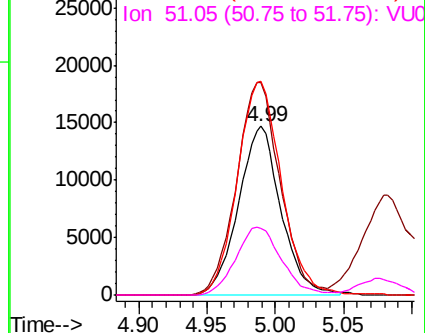
Abundance

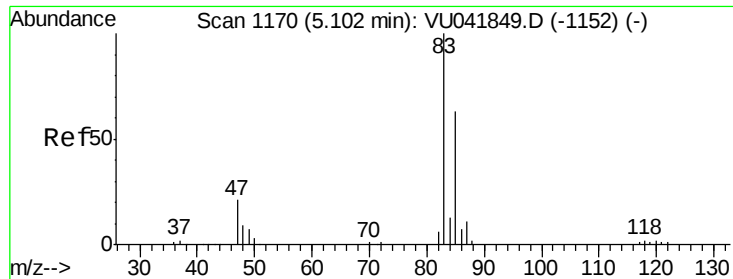
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

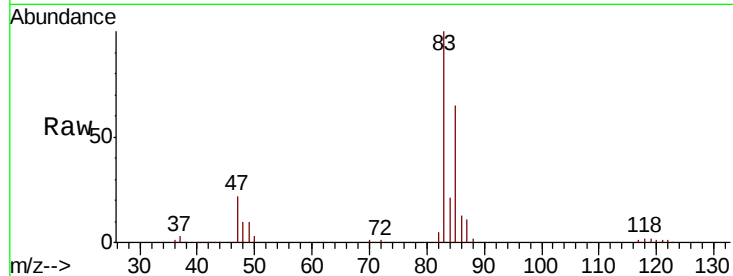




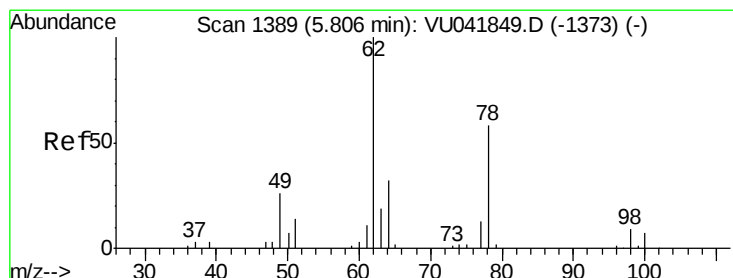
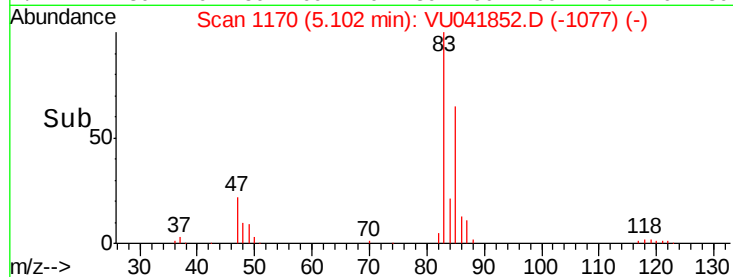
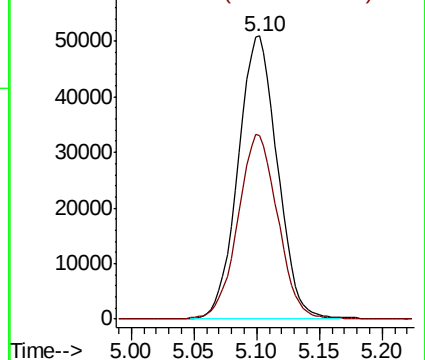
#25
Chloroform
Concen: 5.237 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 111305
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.8

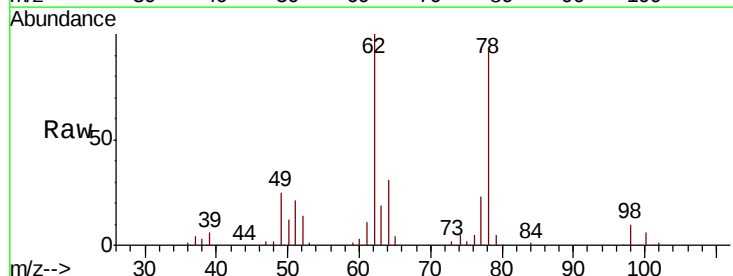


Abundance Ion 83.05 (82.75 to 83.75): VU041849.D (-1152) (-)
Ion 85.00 (84.70 to 85.70): VU041849.D (-1152) (-)

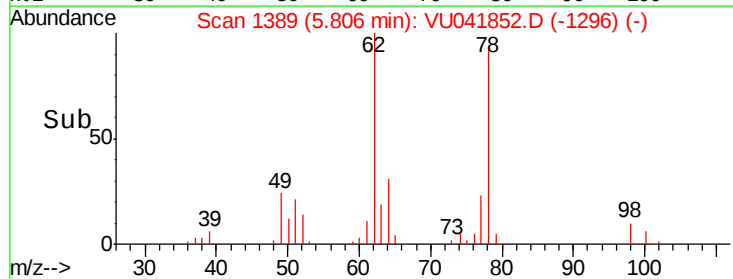
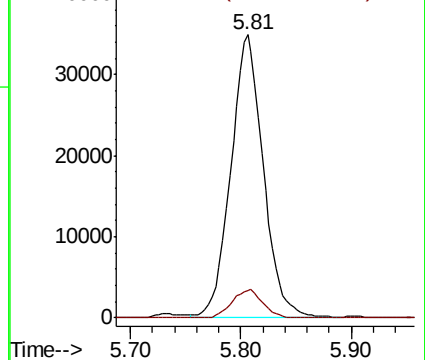


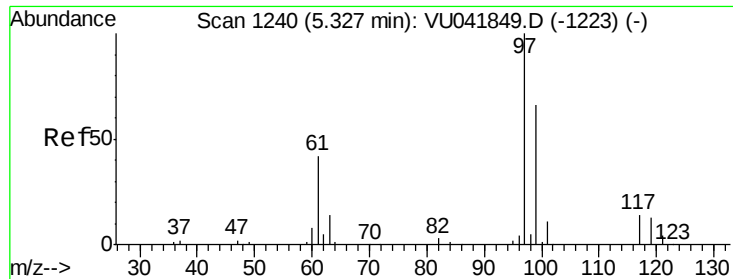
#27
1,2-Dichloroethane
Concen: 5.100 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion: 62 Resp: 70542
Ion Ratio Lower Upper
62 100
98 9.7 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU041849.D (-1373) (-)
Ion 98.05 (97.75 to 98.75): VU041849.D (-1373) (-)

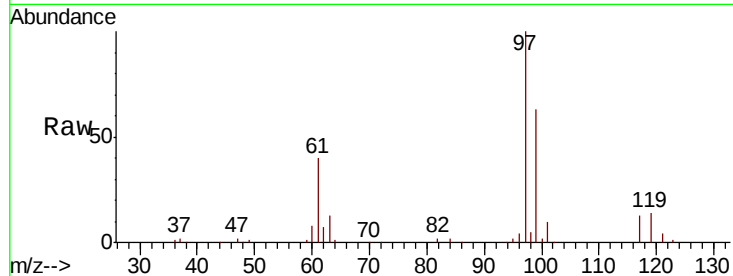




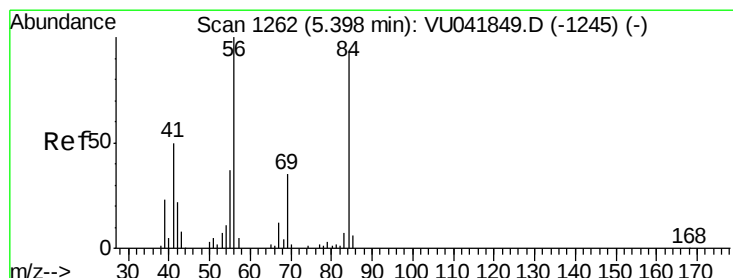
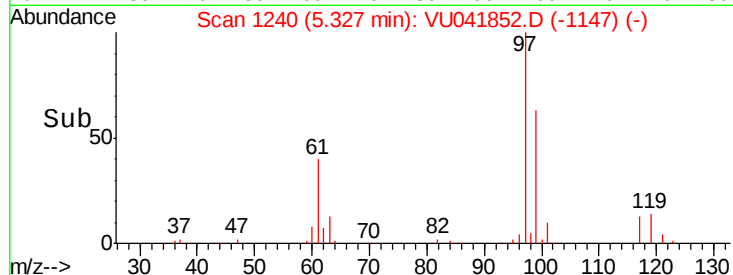
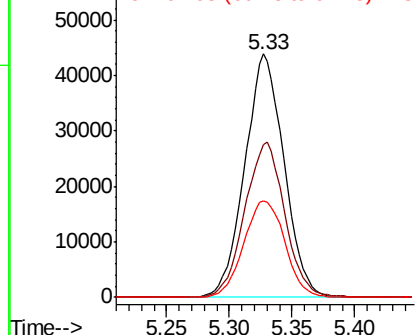
#29
 1,1,1-Trichloroethane
 Concen: 5.303 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 95513
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.3 75.5
 61 41.6 32.7 49.1

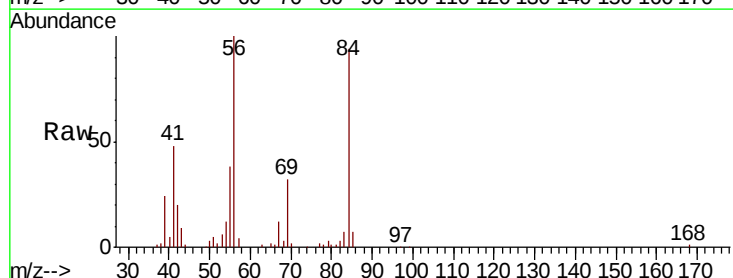


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

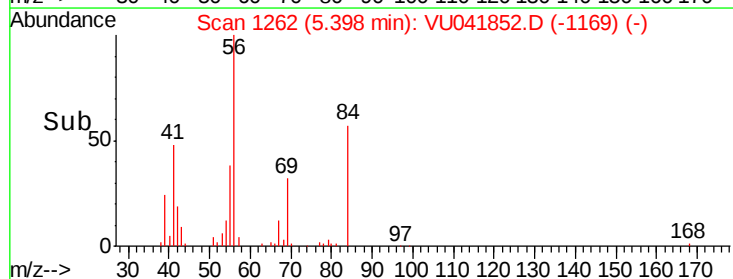
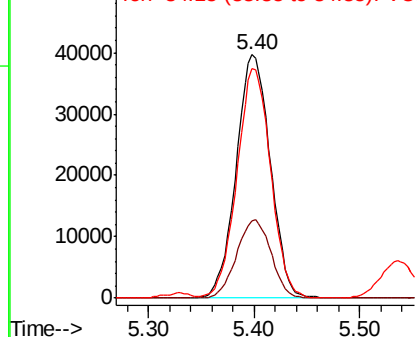


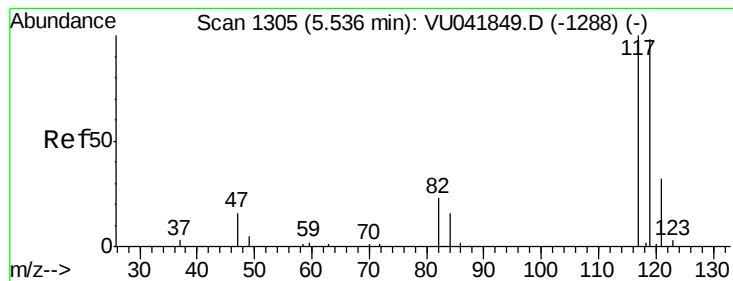
#30
 Cyclohexane
 Concen: 5.379 ug/L
 RT: 5.40 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Tgt Ion: 56 Resp: 89230
 Ion Ratio Lower Upper
 56 100
 69 32.3 25.2 37.8
 84 93.2 76.2 114.4



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





#31

Carbon tetrachloride

Concen: 5.416 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

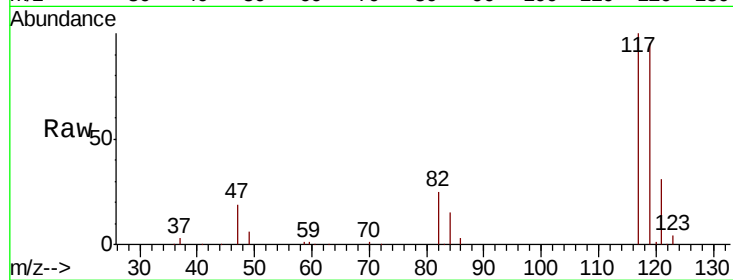
ClientSampleId :

Tot Ion:117 Resp: 86394

Ion Ratio Lower Upper

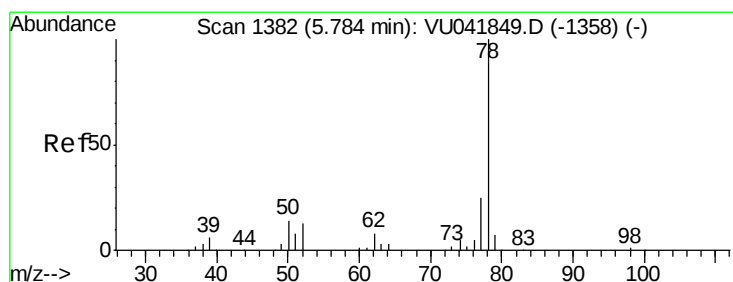
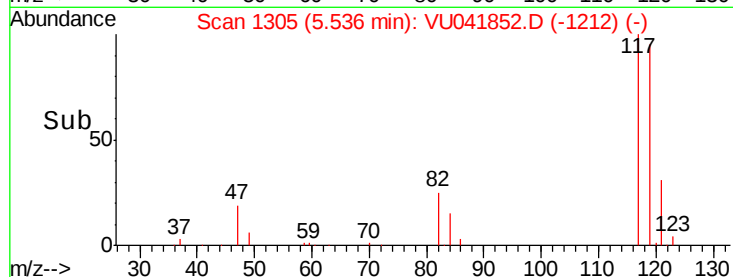
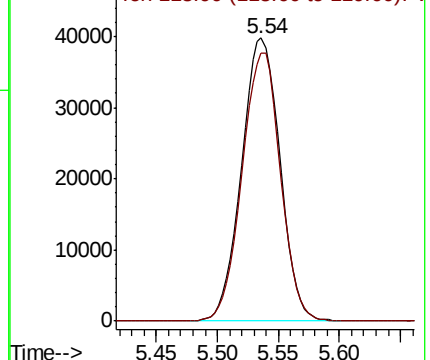
117 100

119 94.9 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.423 ug/L

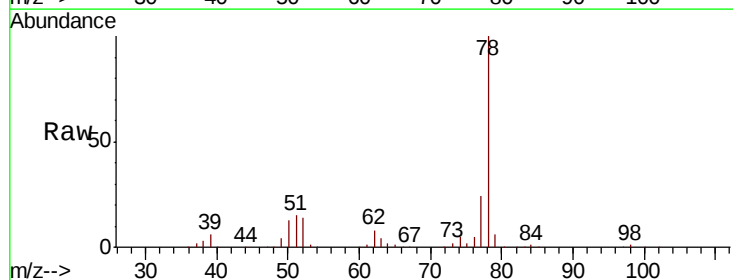
RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

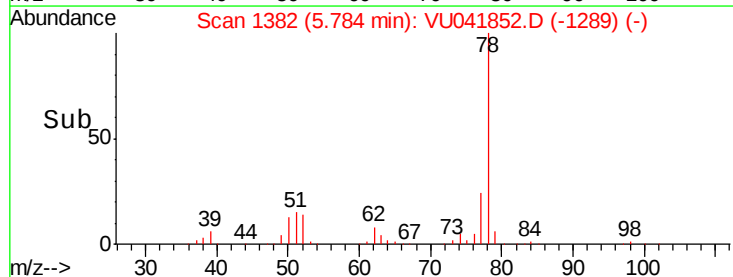
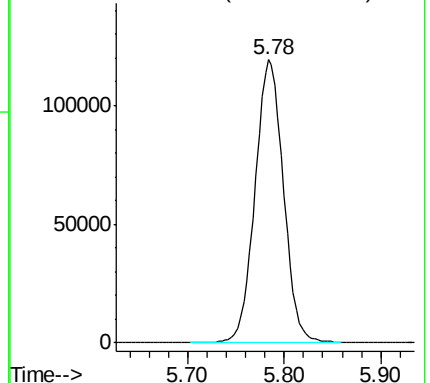
Lab File: VU041852.D

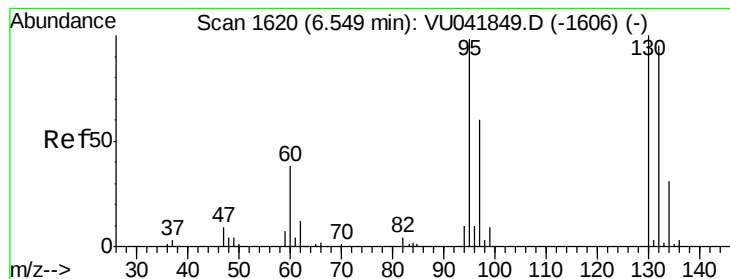
Acq: 05 Jan 2021 13:06

Tgt Ion: 78 Resp: 243422



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.345 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 62725

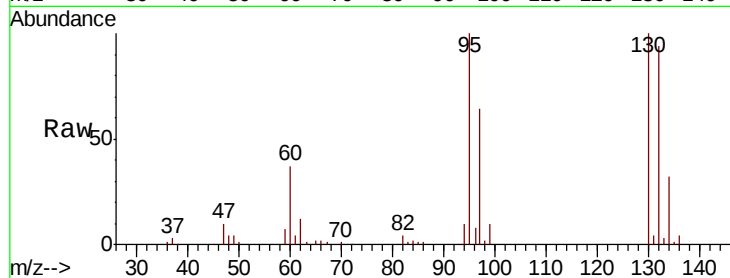
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.2

132 94.0 68.7 127.7

130 100.0 70.1 130.3



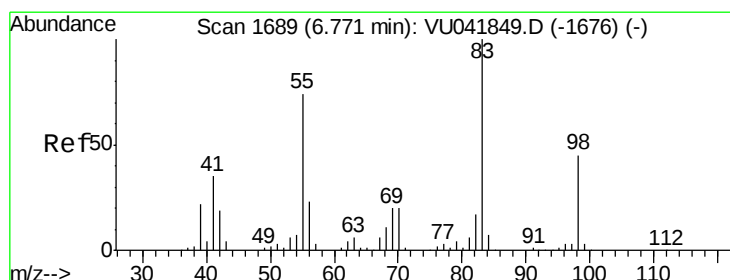
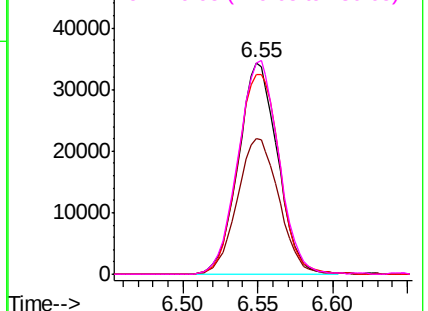
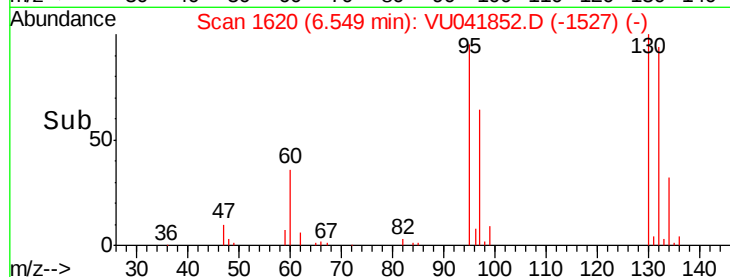
Abundance

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: 5.522 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

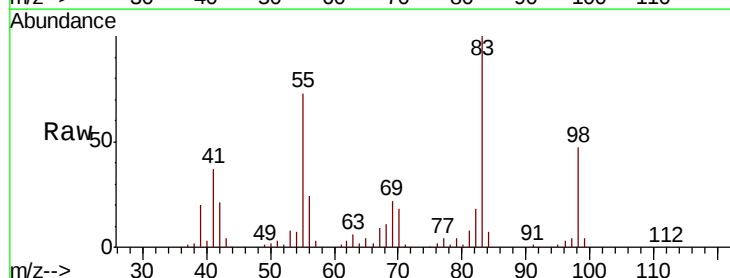
Tgt Ion: 83 Resp: 99337

Ion Ratio Lower Upper

83 100

55 73.8 59.5 89.3

98 47.2 37.9 56.9

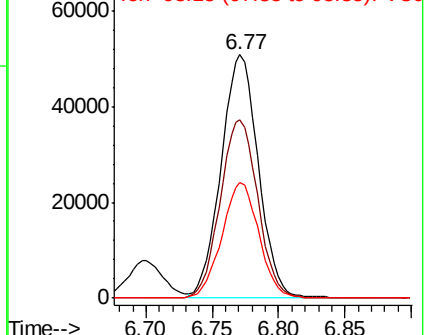
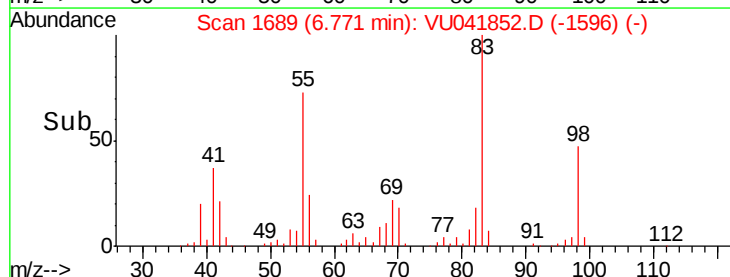


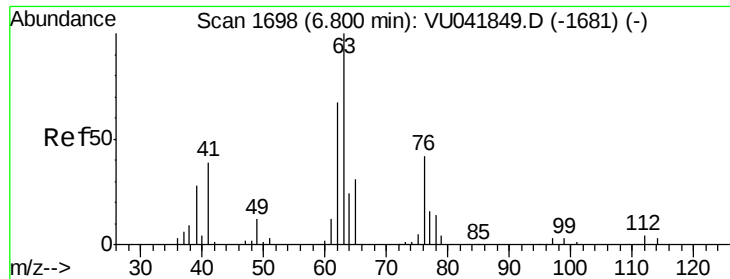
Abundance

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

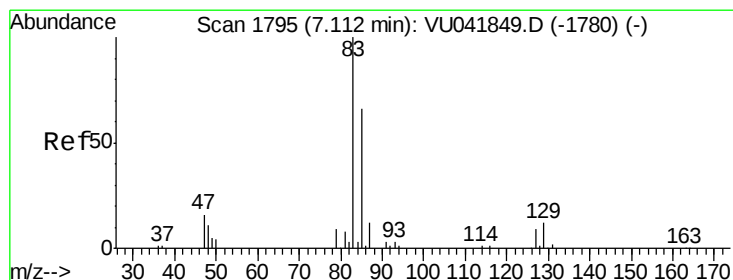
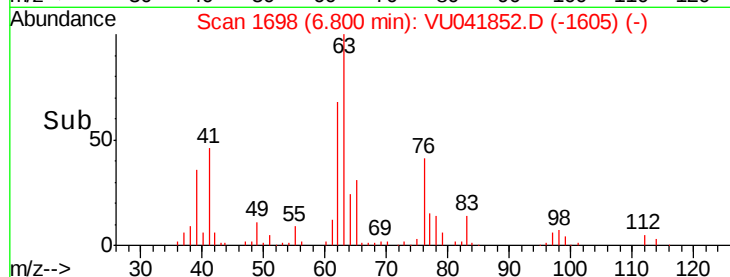
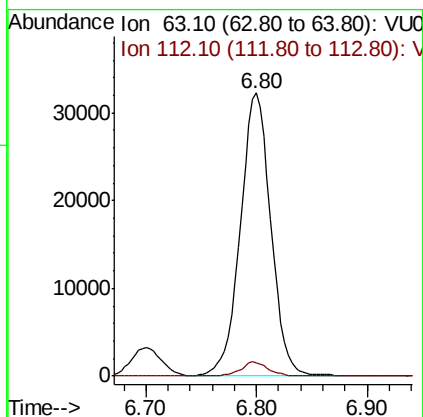
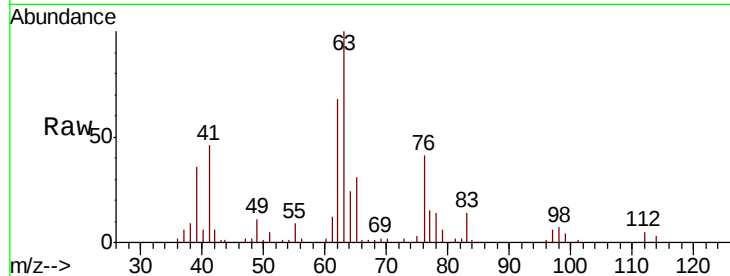




#37
 1,2-Dichloropropane
 Concen: 5.530 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

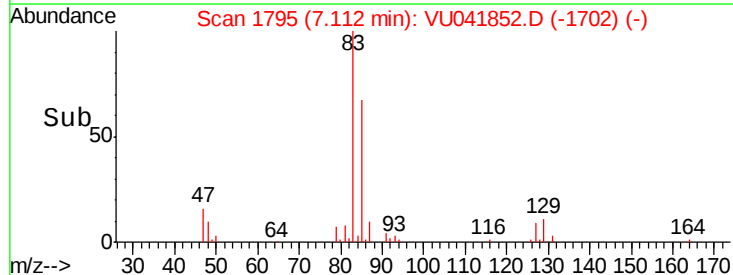
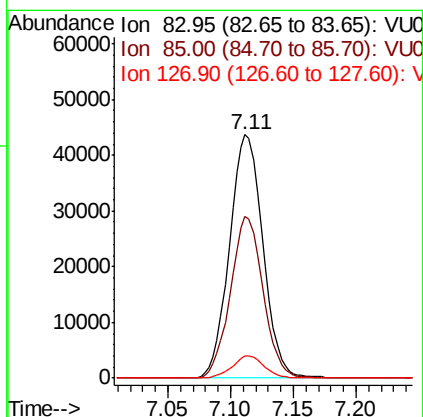
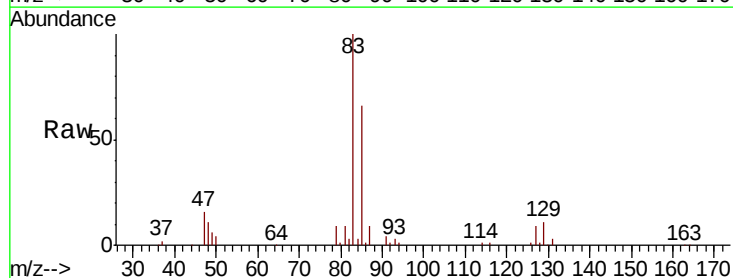
Instrument :
 MSVOA_U
 ClientSampleId :

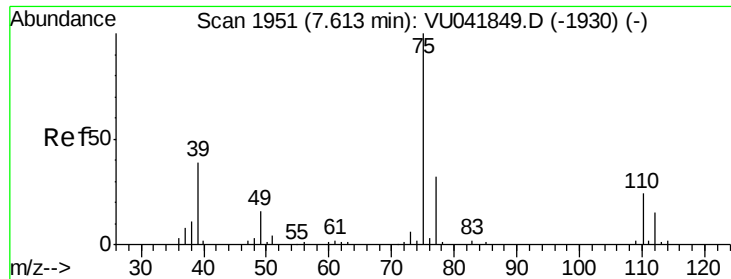
Tot Ion: 63 Resp: 61679
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.528 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Tgt Ion: 83 Resp: 80964
 Ion Ratio Lower Upper
 83 100
 85 66.2 44.6 82.8
 127 9.0 7.4 11.2

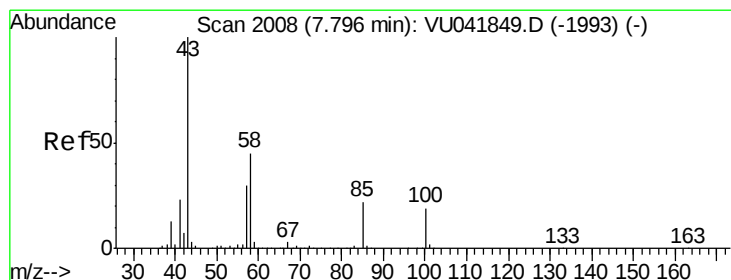
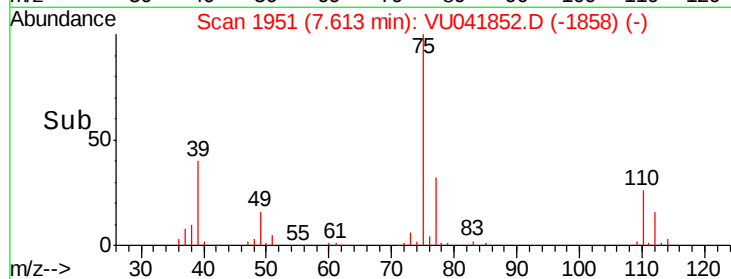
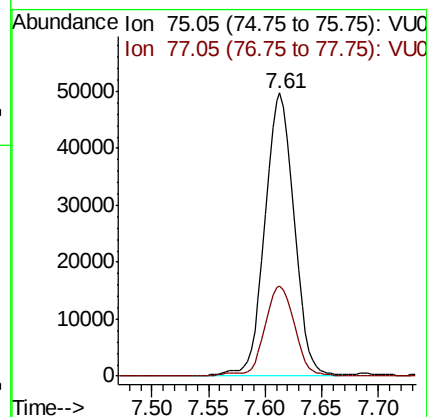
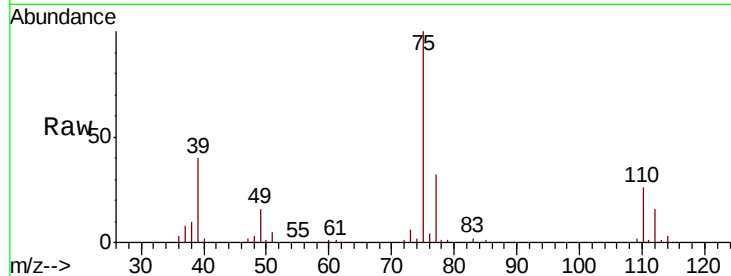




#39
 cis-1,3-Dichloropropene
 Concen: 5.357 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

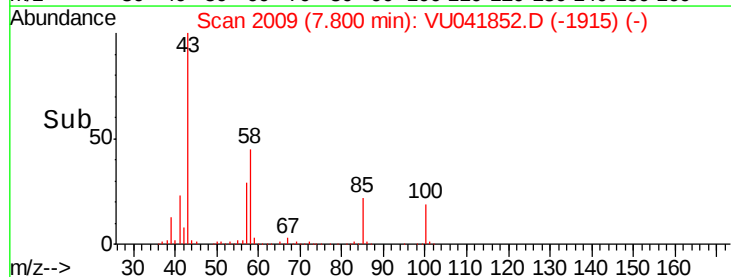
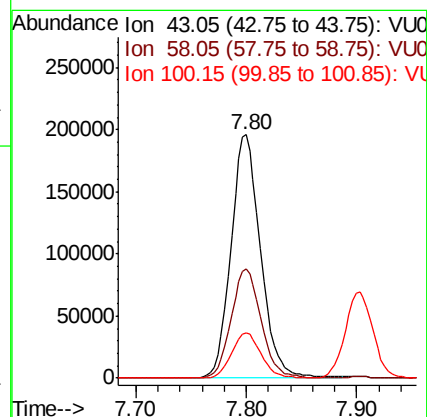
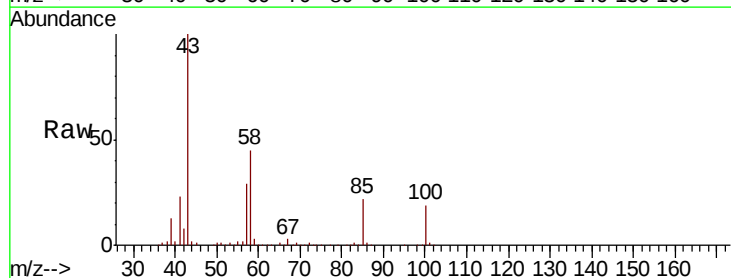
Instrument :
 MSVOA_U
 ClientSampled :

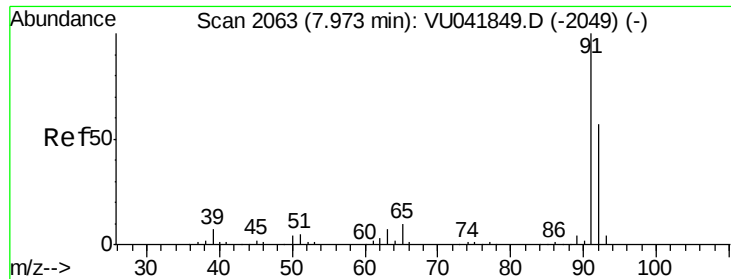
Tot Ion: 75 Resp: 89597
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 50.929 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Tgt Ion: 43 Resp: 363642
 Ion Ratio Lower Upper
 43 100
 58 45.3 35.8 53.6
 100 18.6 15.1 22.7





#42

Toluene

Concen: 5.743 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

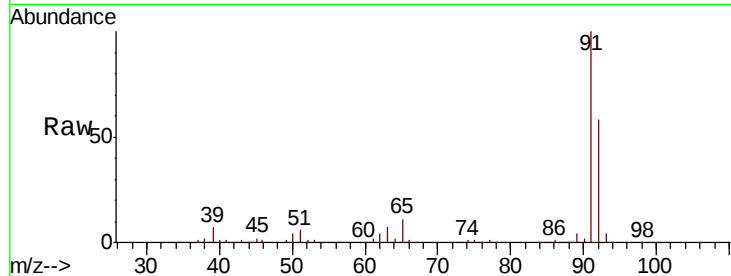
ClientSampleId :

Tot Ion: 91 Resp: 271954

Ion Ratio Lower Upper

91 100

92 57.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU041849.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041849.D (-2049) (-)

7.97

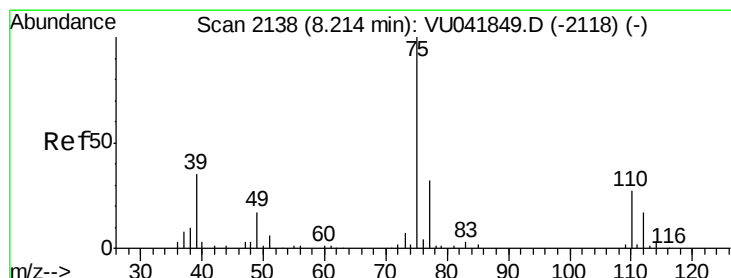
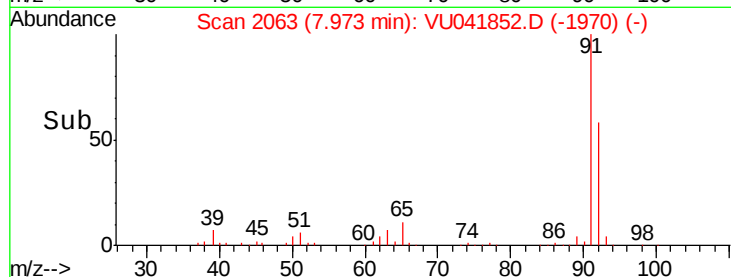
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.430 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041852.D

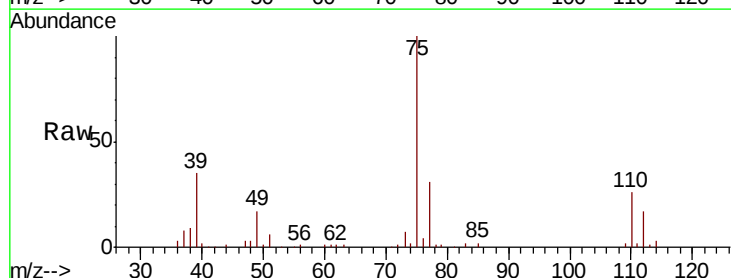
Acq: 05 Jan 2021 13:06

Tgt Ion: 75 Resp: 83123

Ion Ratio Lower Upper

75 100

77 30.9 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU041849.D (-2118) (-)

Ion 77.05 (76.75 to 77.75): VU041849.D (-2118) (-)

8.21

50000

40000

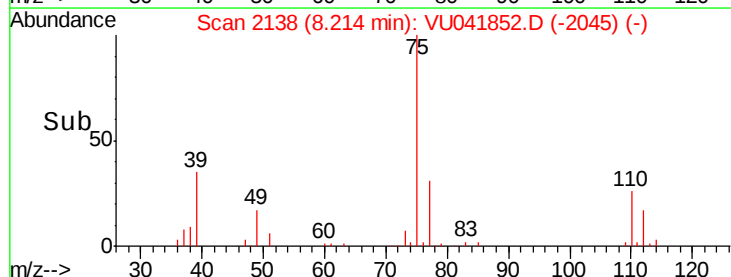
30000

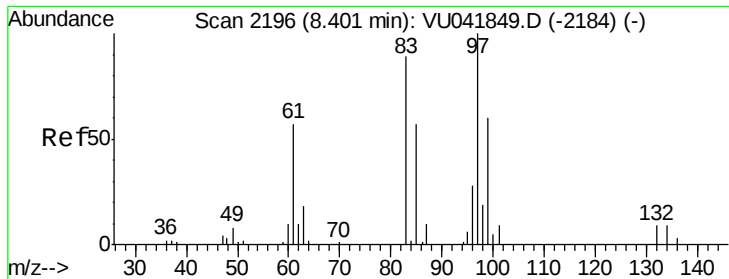
20000

10000

0

Time-->

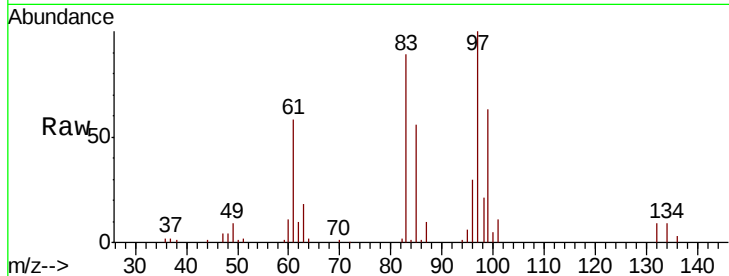




#45
1,1,2-Trichloroethane
Concen: 5.269 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	47591
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.2	82.0
83	89.4	60.1	111.7
85	56.2	37.3	69.3



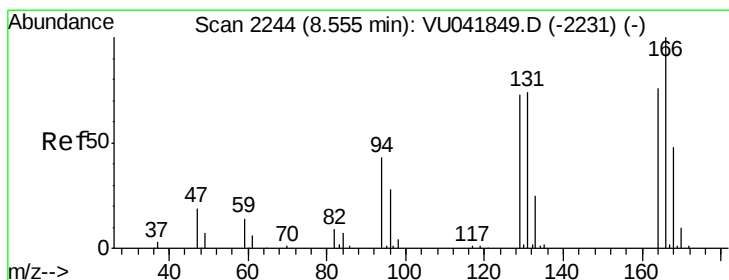
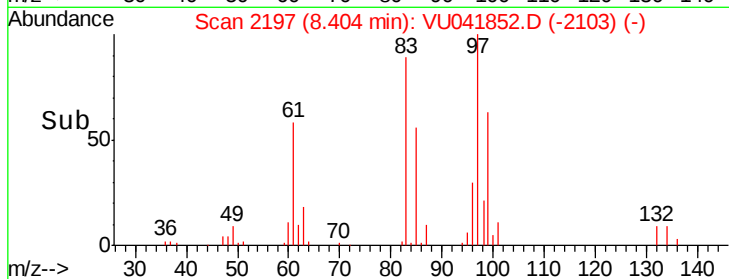
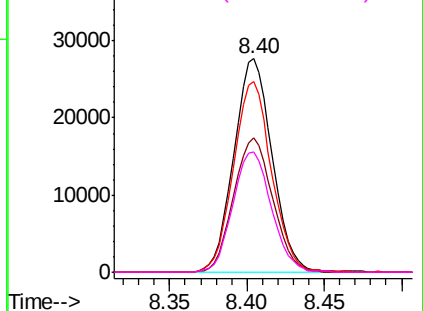
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

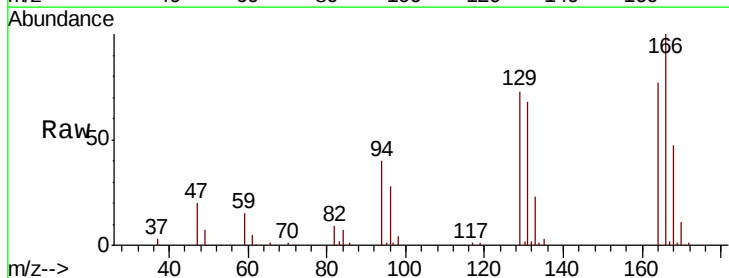
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 5.771 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion:	164	Resp:	52940
Ion	Ratio	Lower	Upper
164	100		
129	95.6	66.6	123.8
131	88.4	65.9	122.3
166	130.1	93.7	173.9



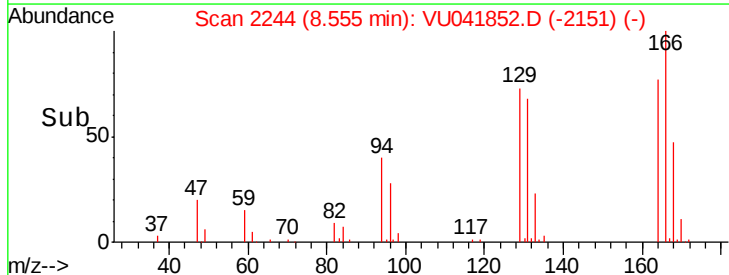
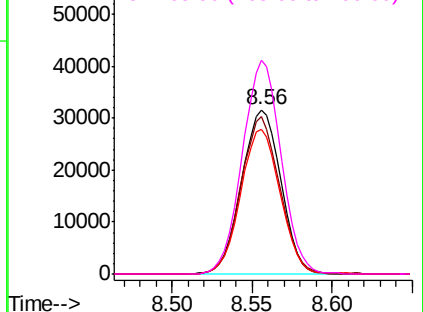
Abundance

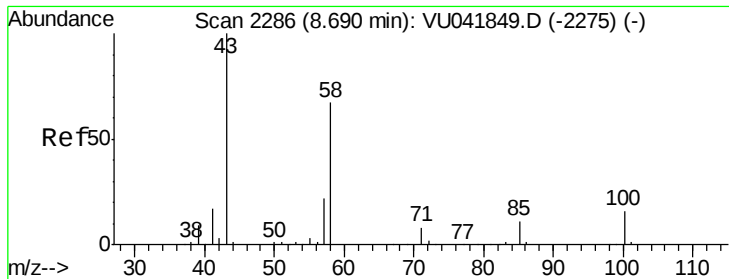
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

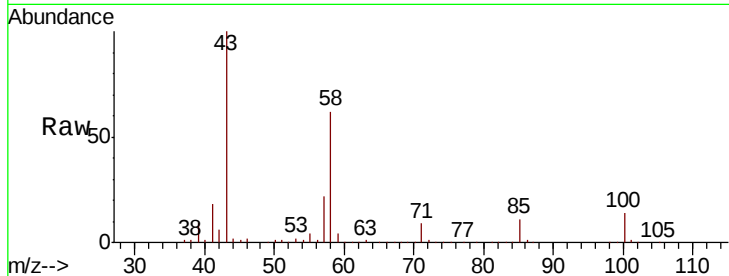




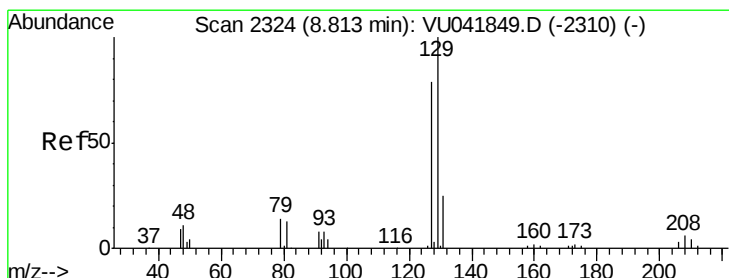
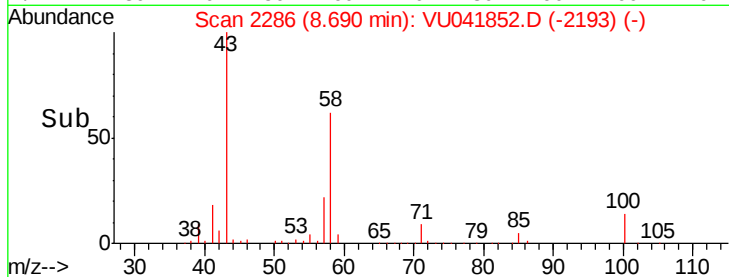
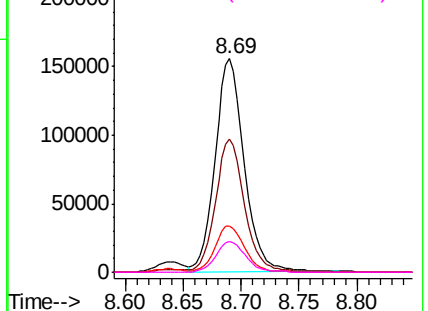
#48
2-Hexanone
Concen: 52.101 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 272037
Ion Ratio Lower Upper
43 100
58 61.6 50.0 75.0
57 22.0 17.4 26.0
100 14.8 11.8 17.8

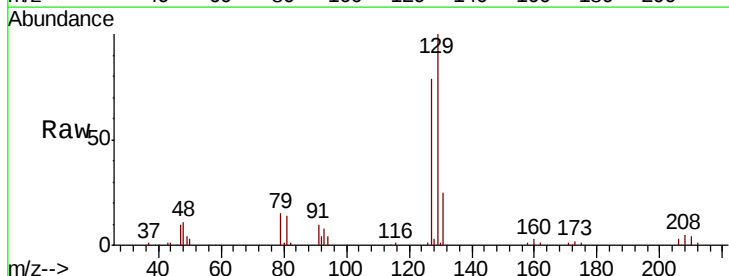


Abundance Ion 43.05 (42.75 to 43.75): VU041849.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041849.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041849.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041849.D (-2275) (-)

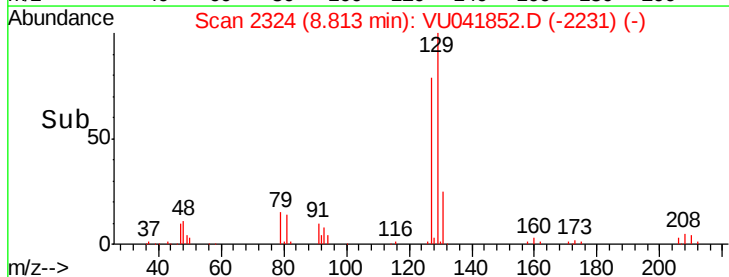
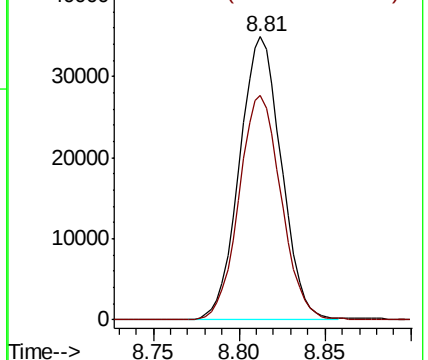


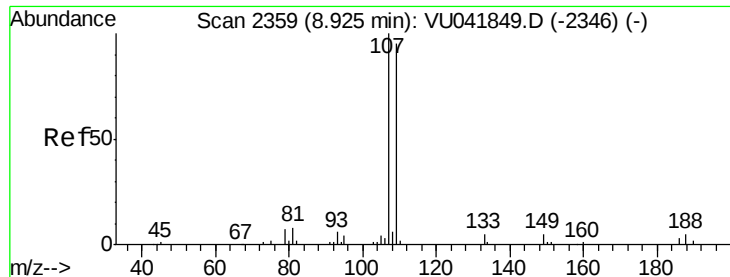
#49
Dibromochloromethane
Concen: 5.438 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion: 129 Resp: 59083
Ion Ratio Lower Upper
129 100
127 79.1 56.6 105.2



Abundance Ion 128.95 (128.65 to 129.65): VU041849.D (-2310) (-)
Ion 126.90 (126.60 to 127.60): VU041849.D (-2310) (-)

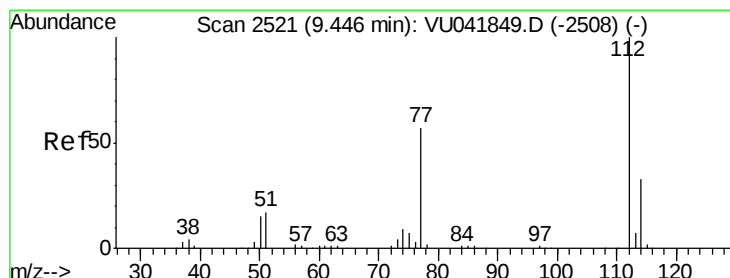
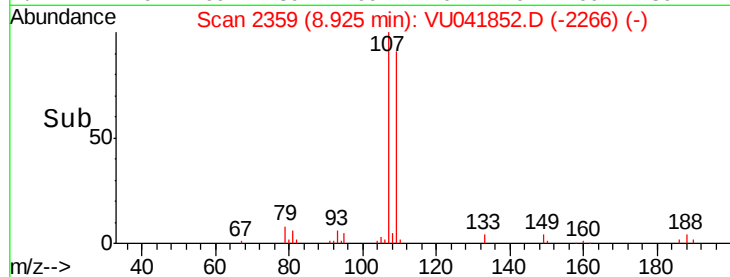
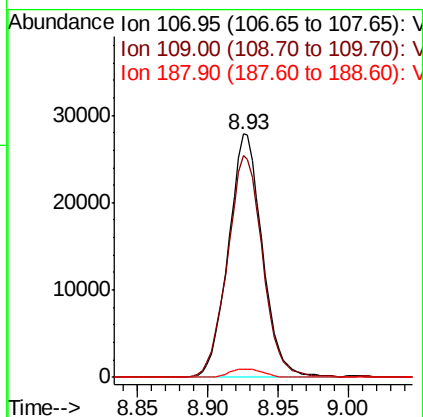
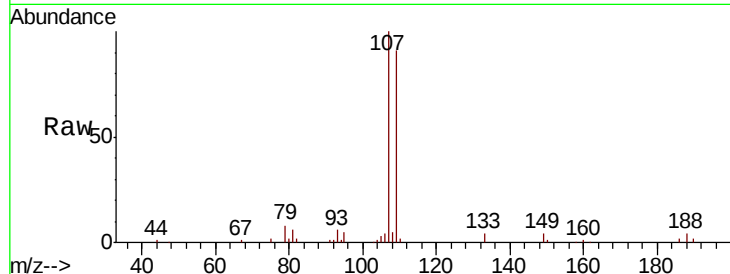




#50
1,2-Dibromoethane
Concen: 5.245 ug/L
RT: 8.93 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

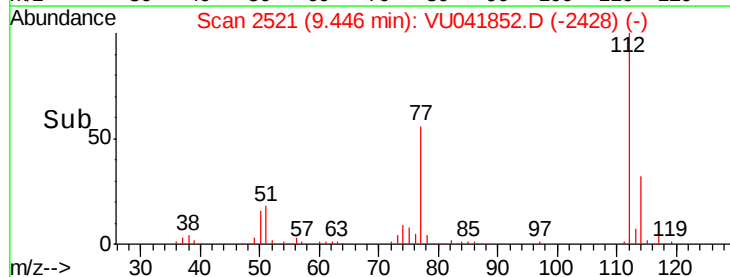
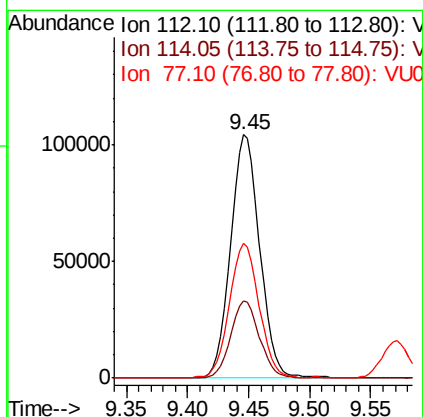
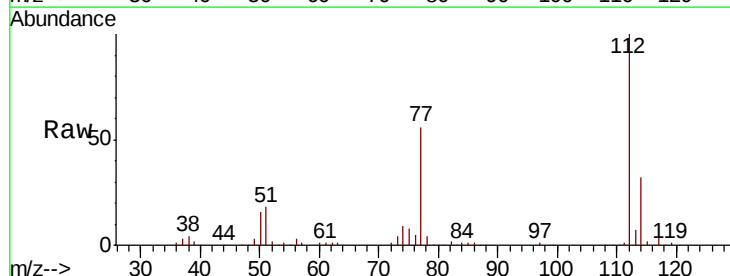
Instrument :
MSVOA_U
ClientSampleId :

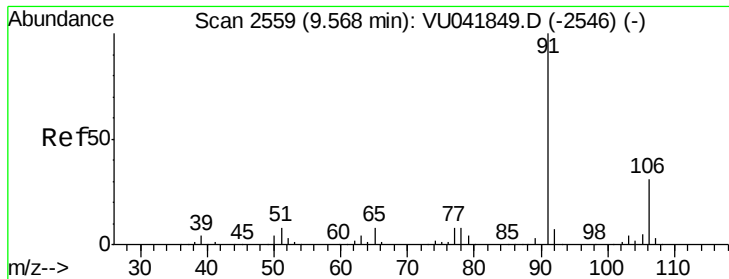
Tot Ion:107 Resp: 46901
Ion Ratio Lower Upper
107 100
109 91.1 65.4 121.4
188 3.5 2.5 3.7



#51
Chlorobenzene
Concen: 5.605 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion:112 Resp: 174058
Ion Ratio Lower Upper
112 100
114 31.9 21.9 40.7
77 55.5 45.1 67.7

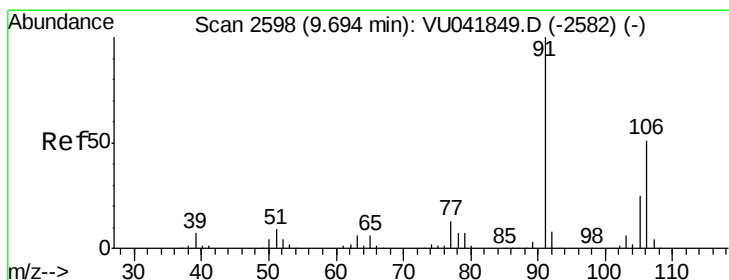
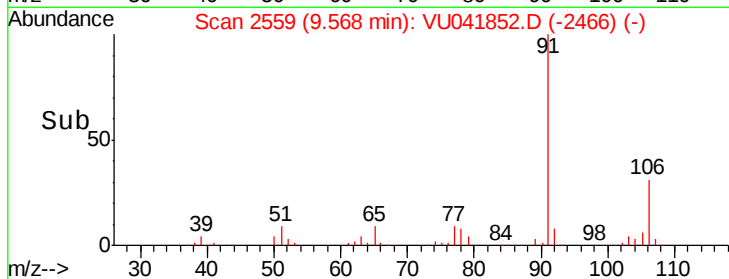
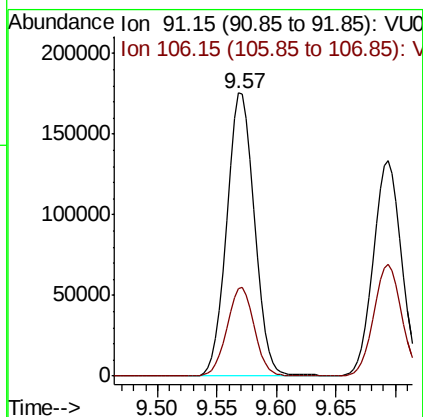
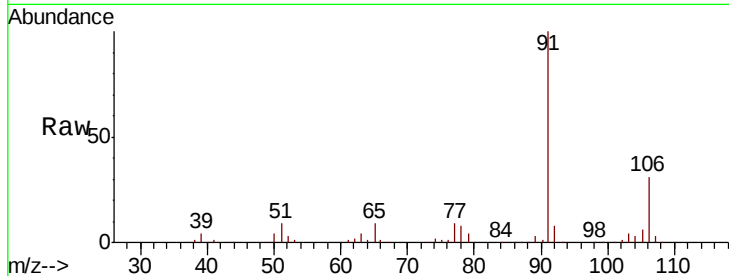




#52
Ethylbenzene
Concen: 5.761 ug/L
RT: 9.57 min Scan# 2559
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

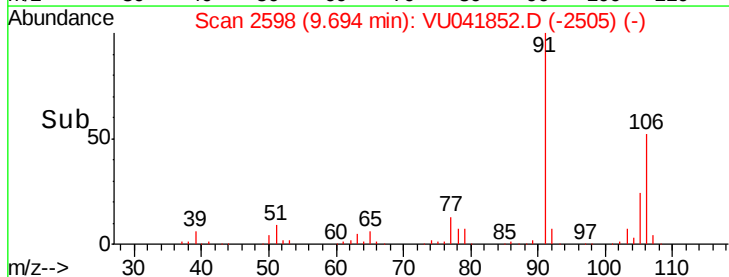
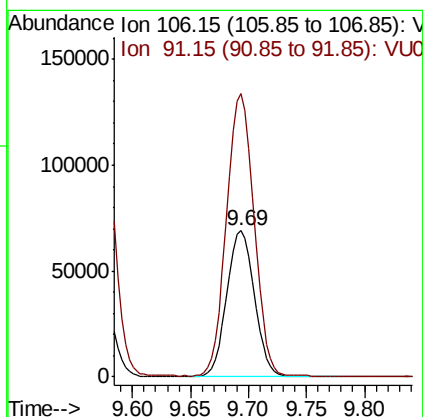
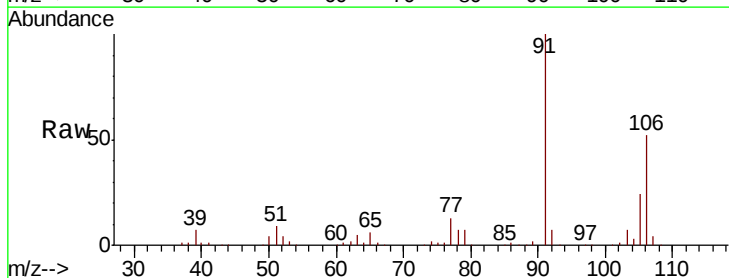
Instrument :
MSVOA_U
ClientSampleId :

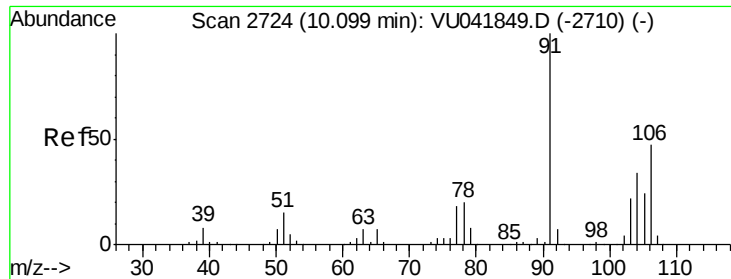
Tot Ion: 91 Resp: 284272
Ion Ratio Lower Upper
91 100
106 30.8 22.0 40.8



#53
m,p-Xylene
Concen: 5.874 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion: 106 Resp: 113673
Ion Ratio Lower Upper
106 100
91 193.5 137.6 255.6

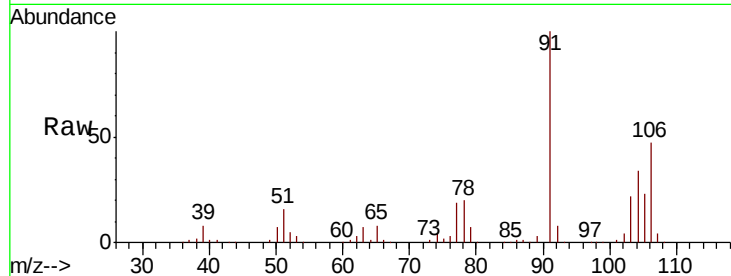




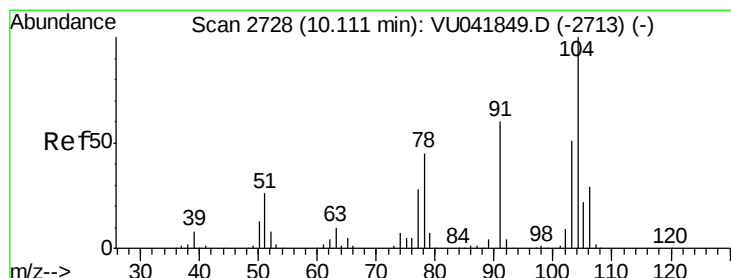
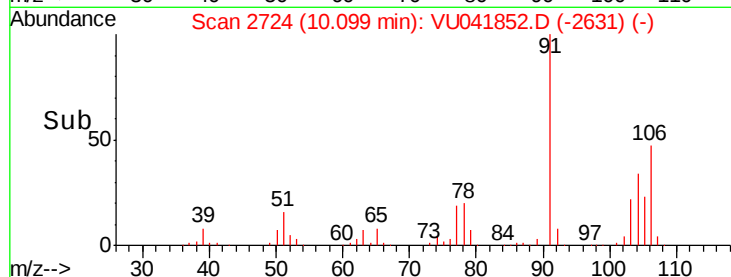
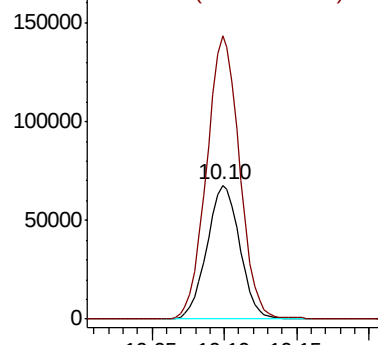
#54
o-Xylene
Concen: 5.802 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 106973
Ion Ratio Lower Upper
106 100
91 211.3 148.5 275.9

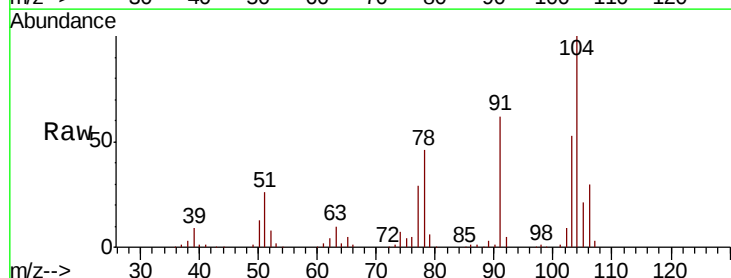


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

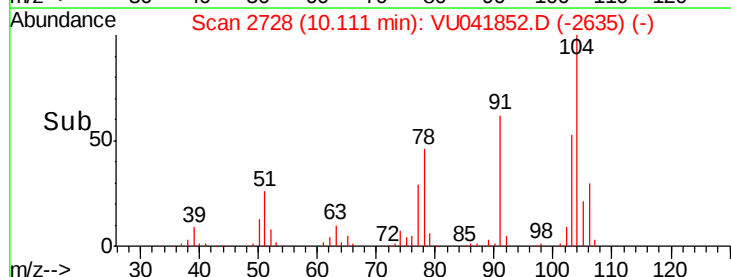
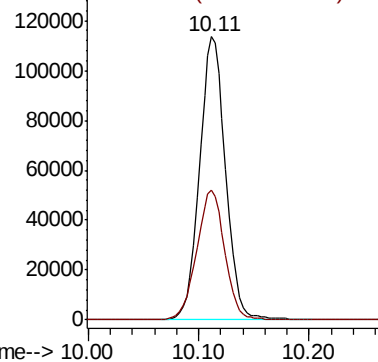


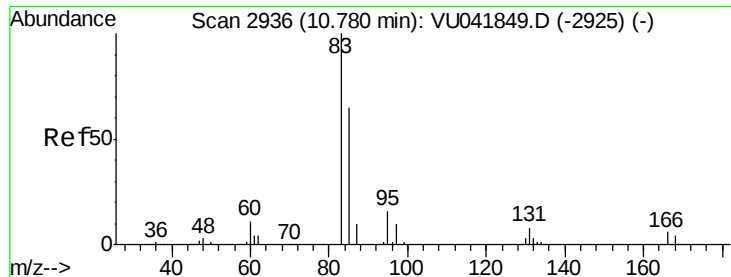
#55
Styrene
Concen: 5.831 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion:104 Resp: 185103
Ion Ratio Lower Upper
104 100
78 46.0 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0

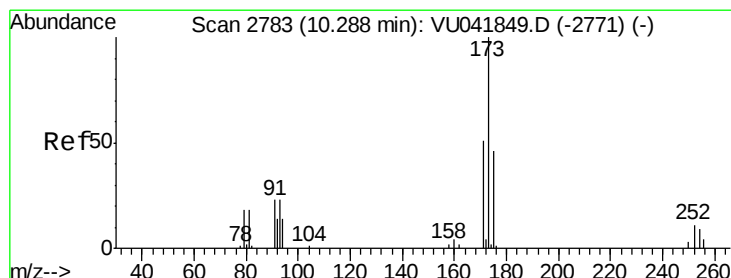
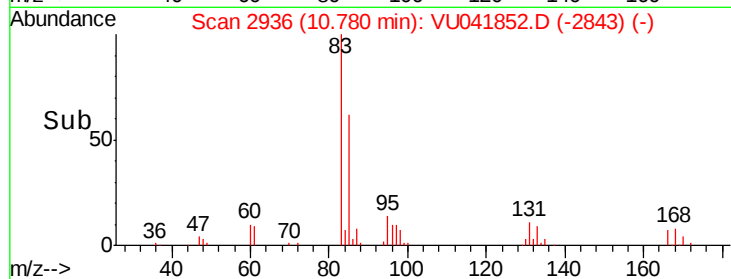
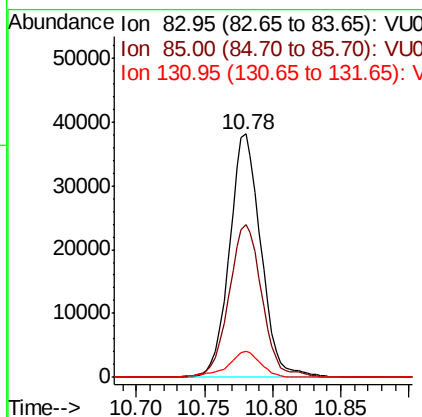
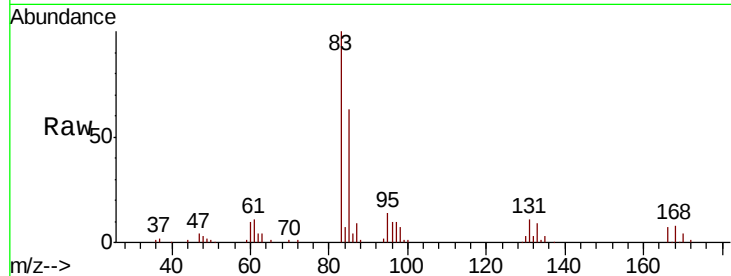




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.135 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

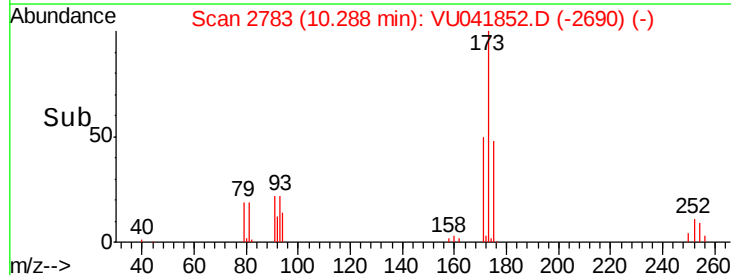
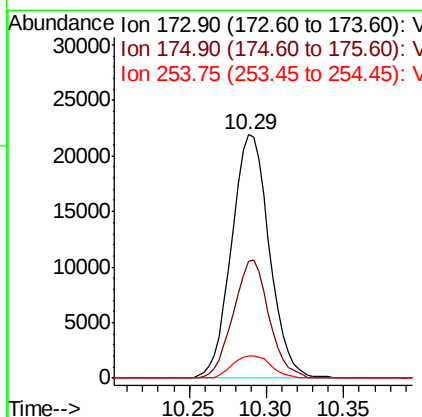
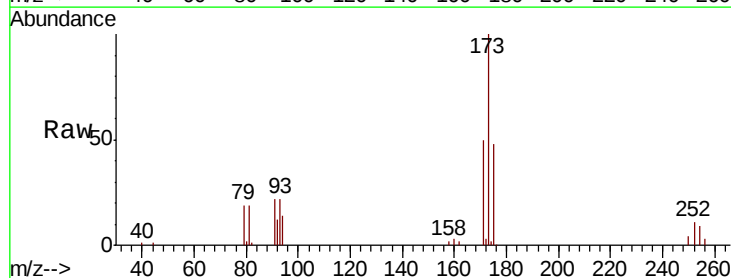
Instrument :
 MSVOA_U
 ClientSampleId :

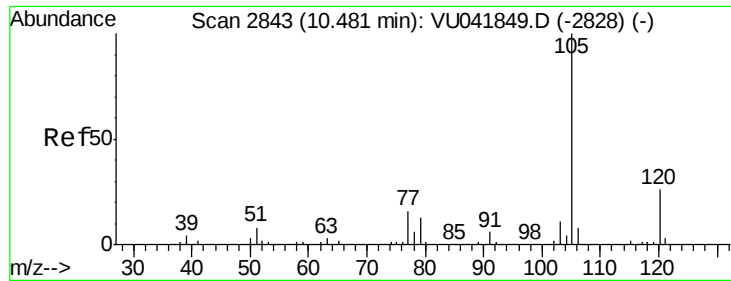
Tot Ion: 83 Resp: 60931
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.9 83.5
 131 10.7 8.2 12.4



#59
 Bromoform
 Concen: 5.073 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Tgt Ion: 173 Resp: 37107
 Ion Ratio Lower Upper
 173 100
 175 45.9 39.4 59.0
 254 9.3 8.0 12.0





#60

Isopropylbenzene

Concen: 5.437 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

ClientSampled :

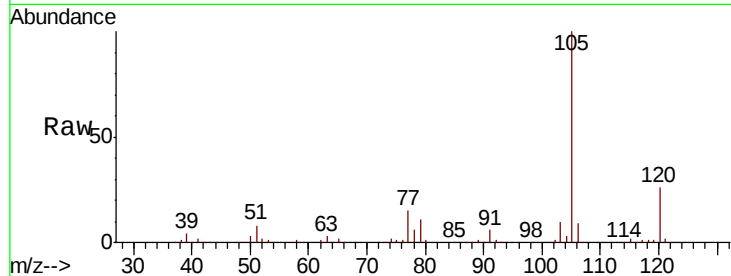
Tot Ion: 105 Resp: 288809

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

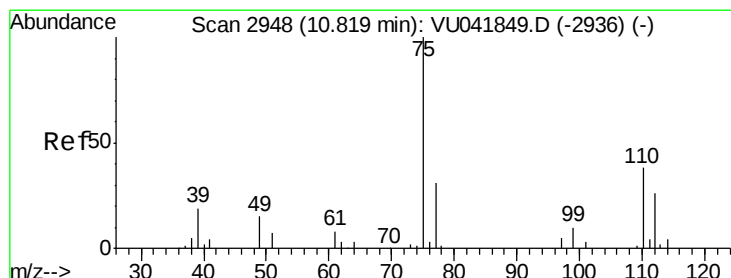
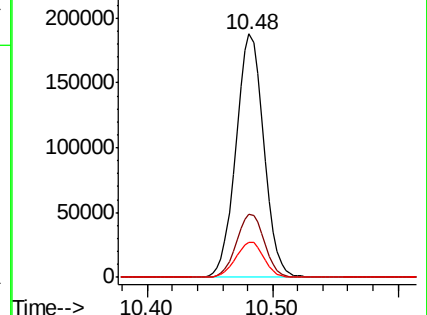
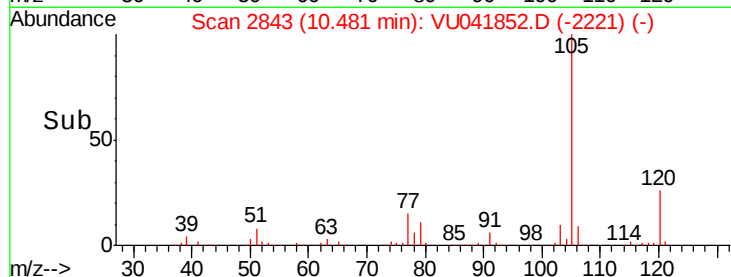
77 14.6 11.8 17.8



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): VU



#61

1,2,3-Trichloropropane

Concen: 4.653 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

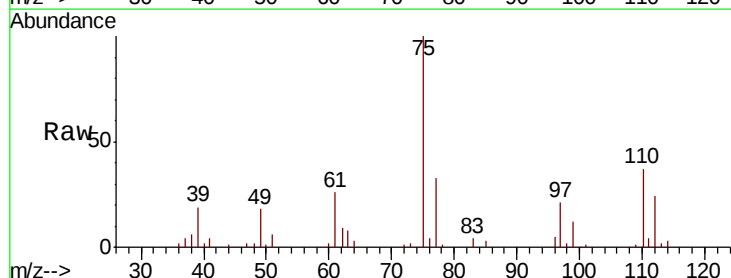
Tgt Ion: 75 Resp: 44353

Ion Ratio Lower Upper

75 100

110 37.7 31.5 47.3

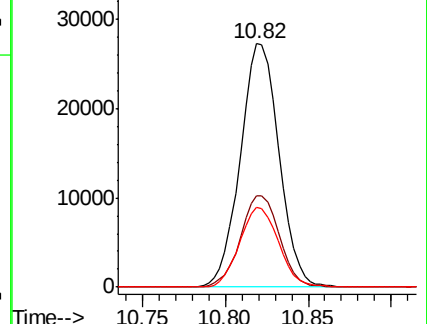
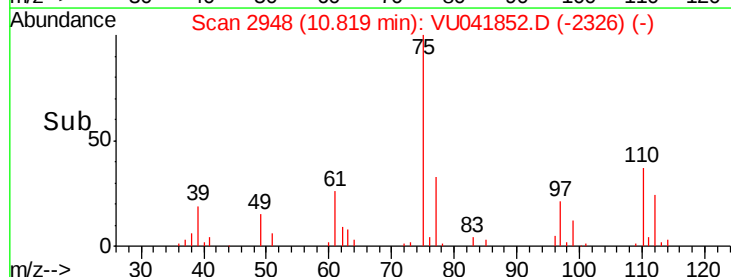
77 32.9 26.3 39.5

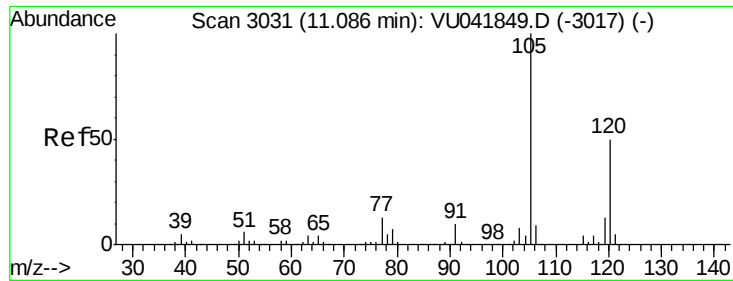


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU





#62

1,3,5-Trimethylbenzene

Concen: 5.366 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU041852.D

Acq: 05 Jan 2021 13:06

Instrument :

MSVOA_U

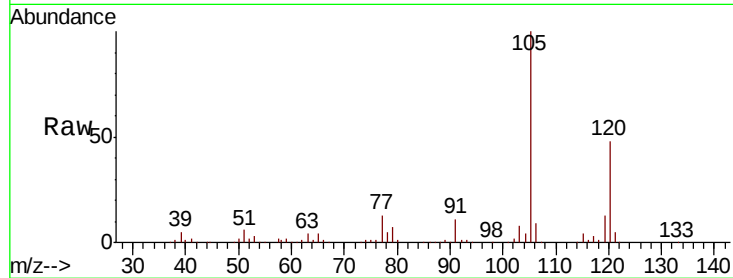
ClientSampleId :

Tot Ion:105 Resp: 233980

Ion Ratio Lower Upper

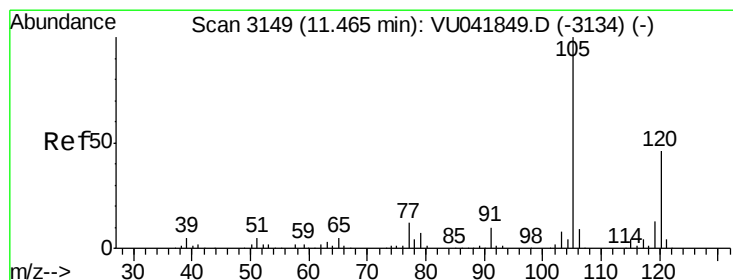
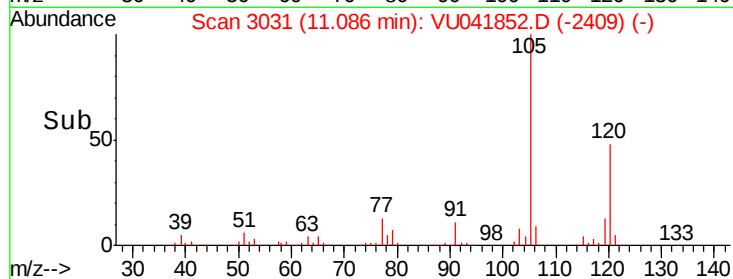
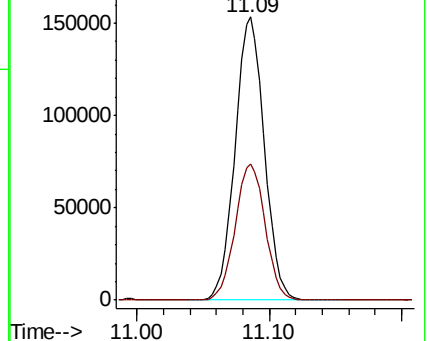
105 100

120 49.5 39.5 59.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.626 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU041852.D

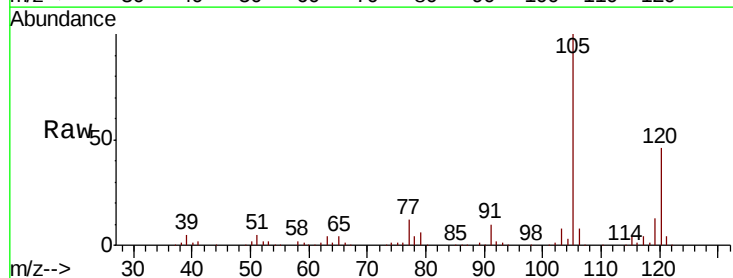
Acq: 05 Jan 2021 13:06

Tgt Ion:105 Resp: 243562

Ion Ratio Lower Upper

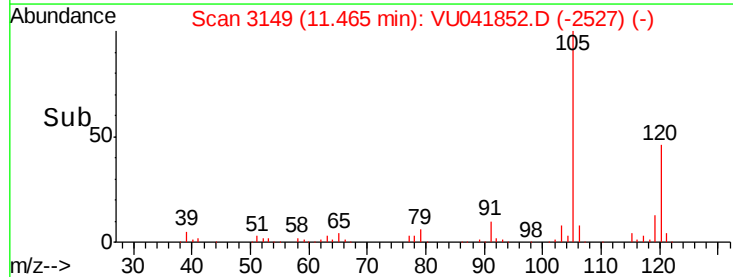
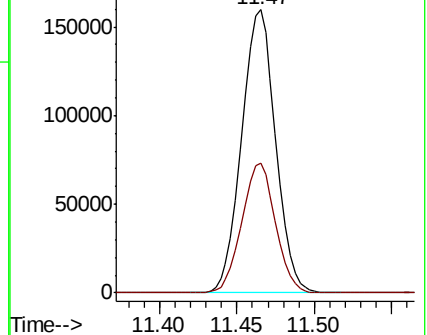
105 100

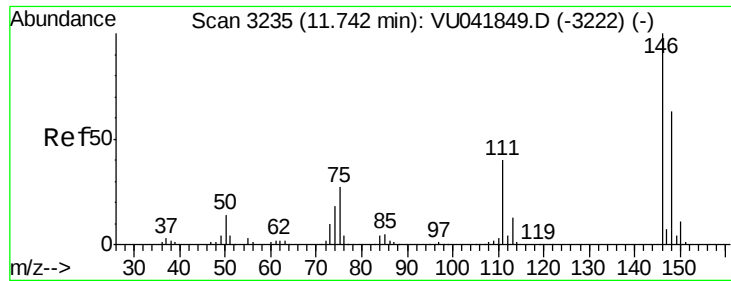
120 45.3 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

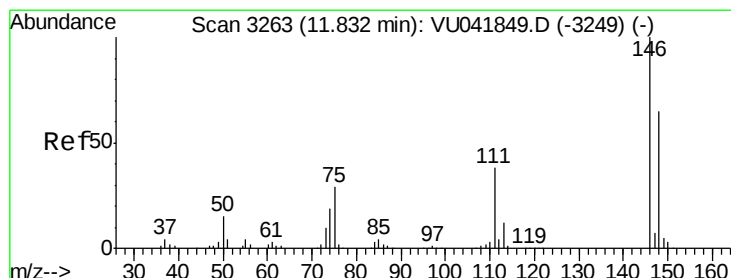
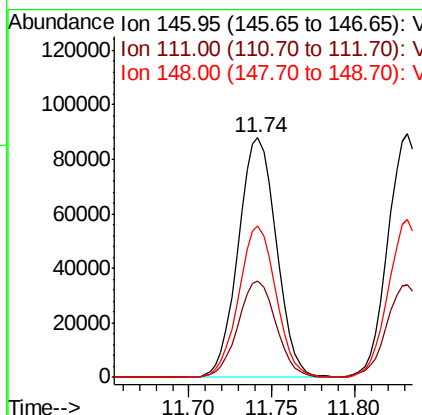
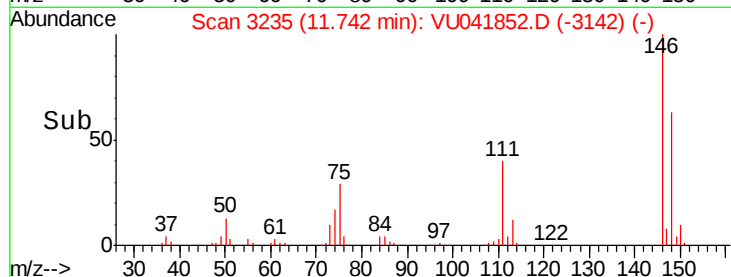
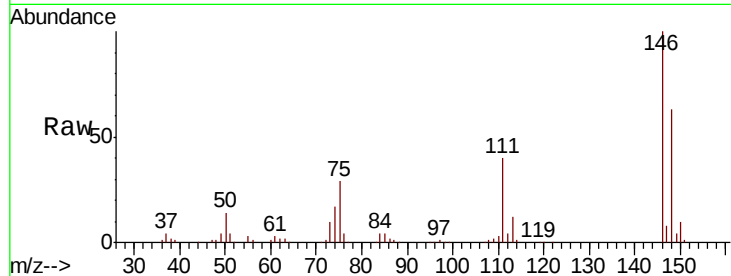




#64
 1,3-Dichlorobenzene
 Concen: 5.499 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

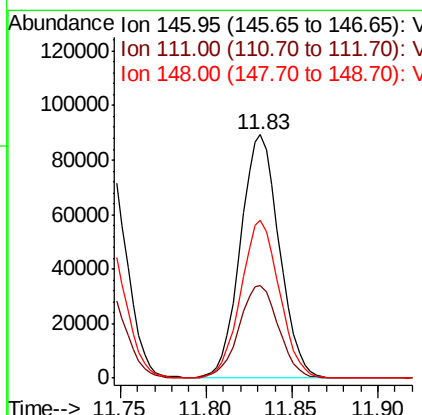
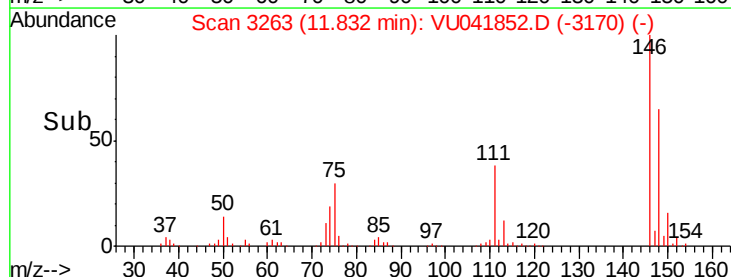
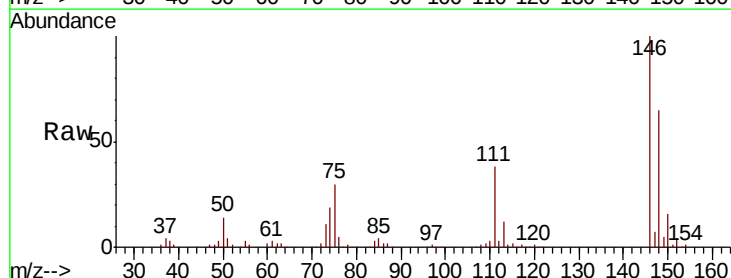
Instrument :
 MSVOA_U
 ClientSampled :

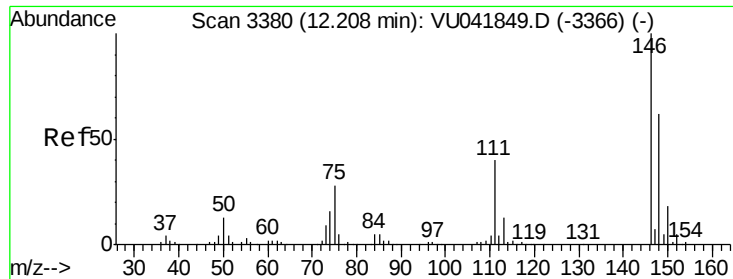
Tot Ion:146 Resp: 141262
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.6 51.2
 148 63.1 44.9 83.3



#65
 1,4-Dichlorobenzene
 Concen: 5.348 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Tgt Ion:146 Resp: 139615
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.5
 148 64.9 43.9 81.5

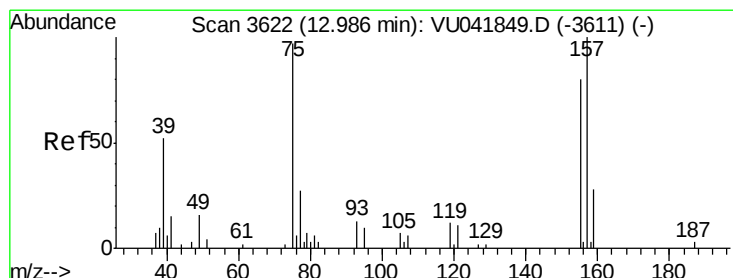
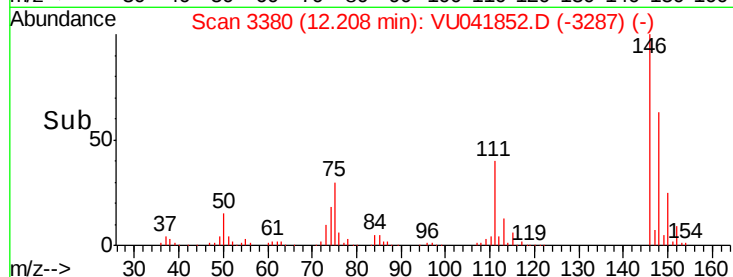
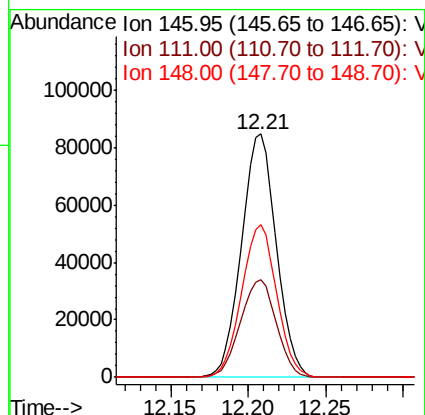
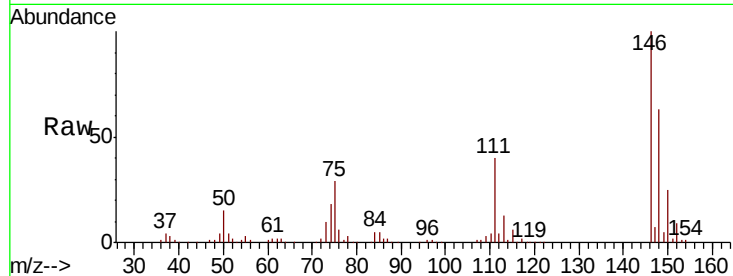




#67
 1,2-Dichlorobenzene
 Concen: 5.202 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

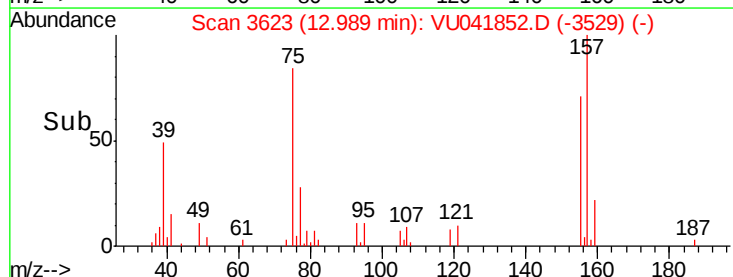
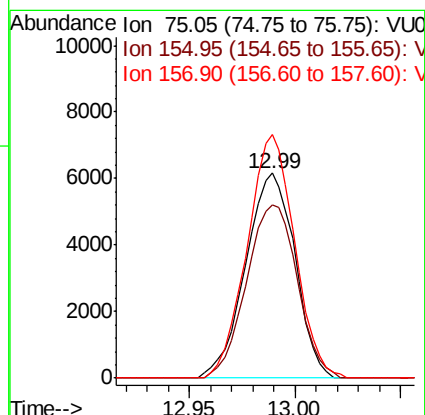
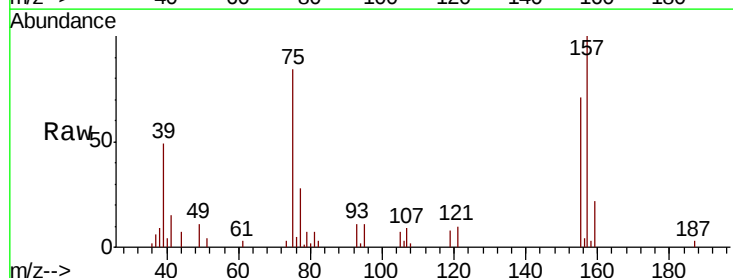
Instrument :
 MSVOA_U
 ClientSampled :

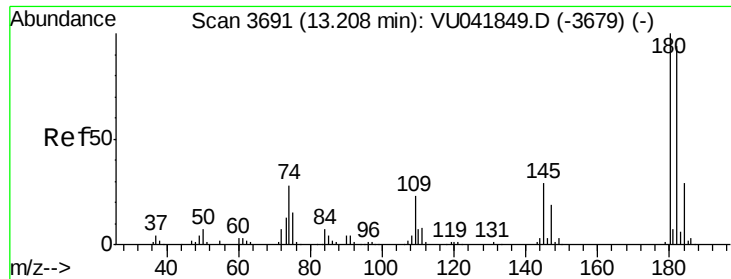
Tot Ion:146 Resp: 132897
 Ion Ratio Lower Upper
 146 100
 111 40.2 31.9 47.9
 148 62.6 48.8 73.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.563 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Tgt Ion: 75 Resp: 10011
 Ion Ratio Lower Upper
 75 100
 155 84.8 67.8 101.8
 157 119.0 82.4 123.6

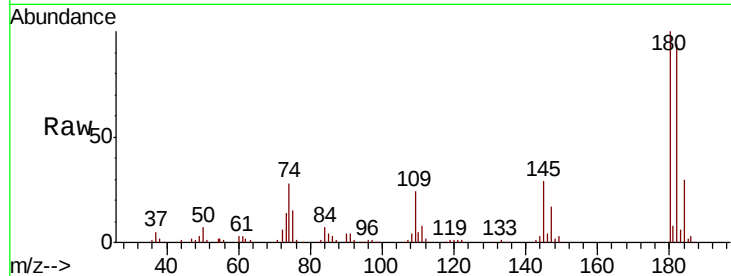




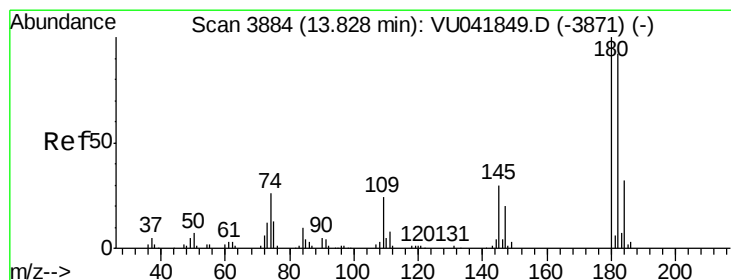
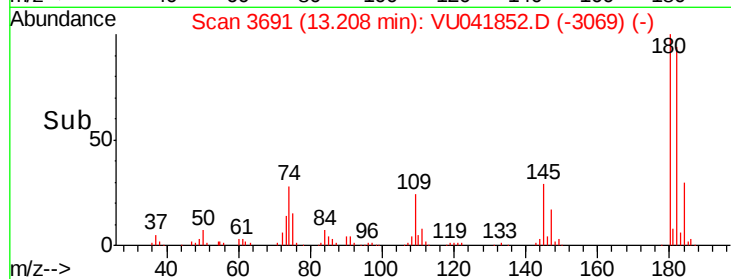
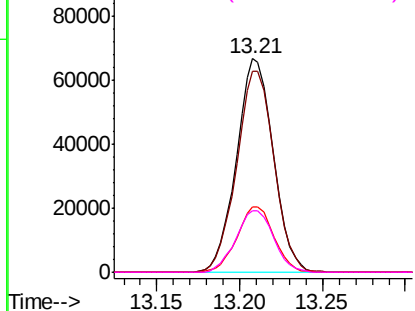
#69
 1,3,5-Trichlorobenzene
 Concen: 5.344 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 102871
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.1 114.1
 184 30.8 24.0 36.0
 145 29.6 23.2 34.8

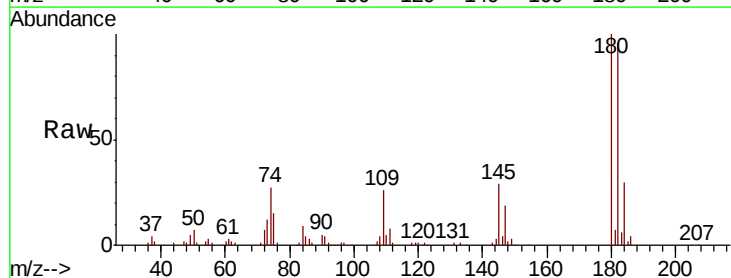


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

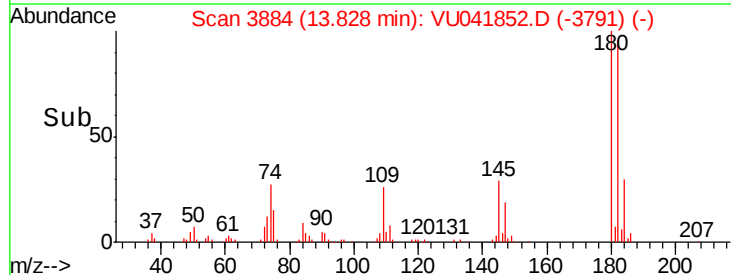
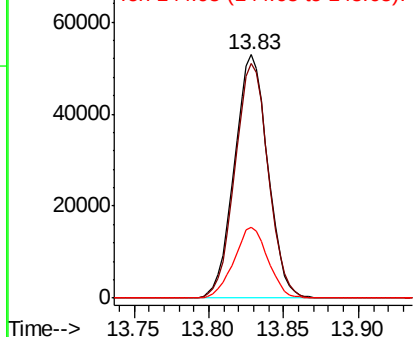


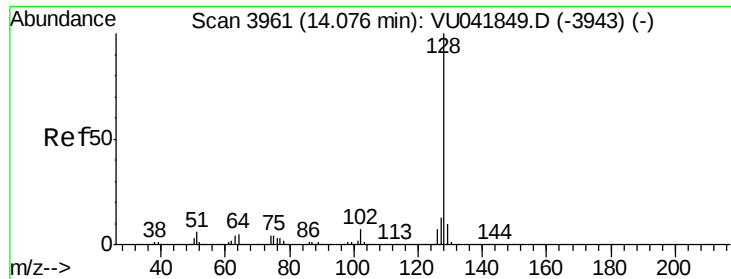
#70
 1,2,4-trichlorobenzene
 Concen: 5.858 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041852.D
 Acq: 05 Jan 2021 13:06

Tgt Ion:180 Resp: 82256
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.5 114.7
 145 29.5 24.1 36.1



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

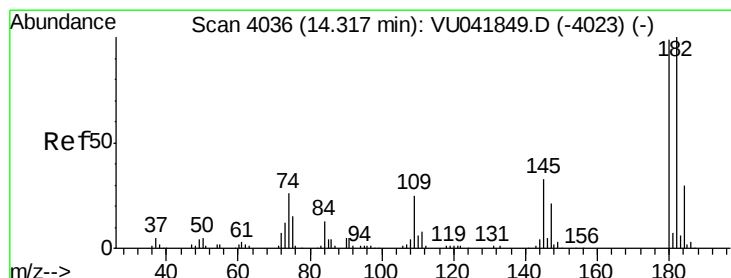
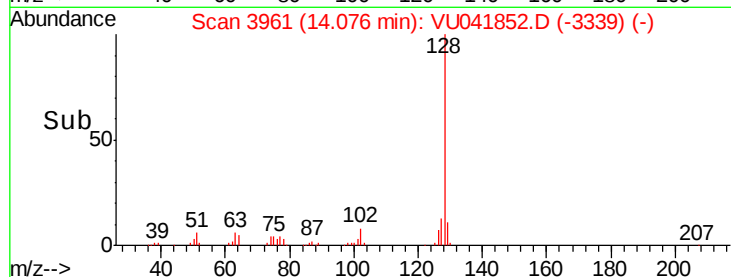
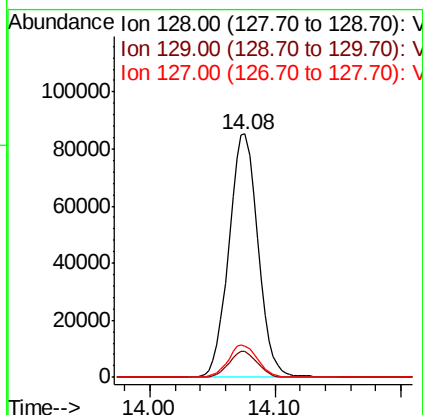
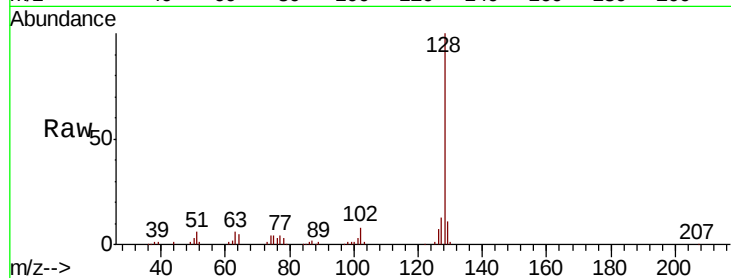




#71
Naphthalene
Concen: 5.556 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 137612
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 13.5 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.817 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU041852.D
Acq: 05 Jan 2021 13:06

Tgt Ion:180 Resp: 78014
Ion Ratio Lower Upper
180 100
182 95.1 75.8 113.8
145 31.3 25.0 37.4

