

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041918.D
 Acq On : 11 Jan 2021 13:53
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Quant Time: Jan 12 03:25:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125234	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117487	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60159	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	50768	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.92	69	49448	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.57	63	100071	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	4.65	46	159977	54.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.08%
24) Chloroform-d	5.08	84	92721	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.71	65	50590	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.74	84	180076	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.70	67	56918	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.90	98	162795	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	8.18	79	24570	5.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.00%
46) 2-Hexanone-d5	8.64	63	141695	61.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53652	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	59692	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	60788	5.018	ug/L 97
3) Chloromethane	1.52	50	64603	4.902	ug/L 94
5) Vinyl chloride	1.61	62	74129	5.182	ug/L 99
6) Bromomethane	1.86	94	45471	5.256	ug/L 99
8) Chloroethane	1.94	64	44873	5.135	ug/L 99
9) Trichlorofluoromethane	2.14	101	96107	5.207	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	51422	5.120	ug/L 99
12) 1,1-Dichloroethene	2.59	96	49995	5.114	ug/L 92
13) Acetone	2.66	43	101964	53.522	ug/L # 49
14) Carbon disulfide	2.80	76	151891	4.979	ug/L 98
15) Methyl Acetate	2.97	43	23284	5.379	ug/L 99
16) Methylene chloride	3.06	84	56584	4.605	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	126210	5.383	ug/L 97
18) trans-1,2-Dichloroethene	3.36	96	49802	5.247	ug/L 94
19) 1,1-Dichloroethane	3.88	63	97266	5.460	ug/L 99
21) 2-Butanone	4.73	43	164388	55.607	ug/L 96
22) cis-1,2-Dichloroethene	4.68	96	52133	5.143	ug/L 98

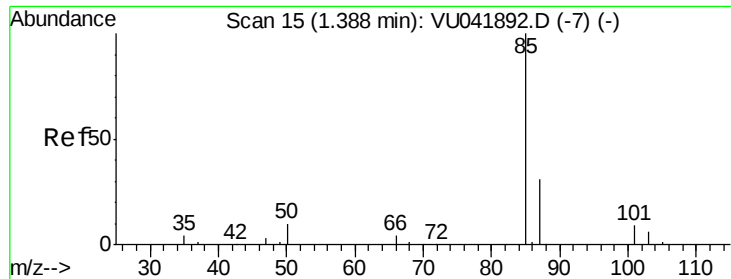
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25721	5.437	uq/L	86
25) Chloroform	5.10	83	93248	5.022	uq/L	98
27) 1,2-Dichloroethane	5.81	62	61040	5.129	uq/L	98
29) 1,1,1-Trichloroethane	5.33	97	79319	5.173	uq/L	99
30) Cyclohexane	5.40	56	77979	5.429	uq/L	99
31) Carbon tetrachloride	5.53	117	69750	5.264	uq/L	97
33) Benzene	5.78	78	204896	5.411	uq/L	100
34) Trichloroethene	6.55	95	53176	5.350	uq/L	96
35) Methylcyclohexane	6.77	83	81569	5.583	uq/L	98
37) 1,2-Dichloropropane	6.80	63	52421	5.552	uq/L	100
38) Bromodichloromethane	7.11	83	66046	5.227	uq/L	92
39) cis-1,3-Dichloropropene	7.61	75	77261	5.541	uq/L	99
40) 4-Methyl-2-pentanone	7.80	43	356564	59.478	uq/L	100
42) Toluene	7.97	91	218468	5.584	uq/L	96
44) trans-1,3-Dichloropropene	8.21	75	68928	5.588	uq/L	98
45) 1,1,2-Trichloroethane	8.40	97	41406	5.719	uq/L	95
47) Tetrachloroethene	8.56	164	38790	5.608	uq/L	98
48) 2-Hexanone	8.69	43	271060	61.338	uq/L	99
49) Dibromochloromethane	8.81	129	48070	5.456	uq/L	92
50) 1,2-Dibromoethane	8.93	107	38822	5.688	uq/L	95
51) Chlorobenzene	9.45	112	133329	5.414	uq/L	99
52) Ethylbenzene	9.57	91	226343	5.493	uq/L	100
53) m,p-Xylene	9.69	106	84966	5.569	uq/L	96
54) o-Xylene	10.10	106	82990	5.629	uq/L	97
55) Styrene	10.11	104	146726	5.725	uq/L	99
56) Isopropylbenzene	10.48	105	223034	5.634	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	53925	5.700	uq/L	99
59) 1,2,3-Trichloropropane	10.82	75	38148	5.531	uq/L	99
61) Bromoform	10.29	173	27953	5.485	uq/L	95
62) 1,3-Dichlorobenzene	11.74	146	104167	5.457	uq/L	96
63) 1,4-Dichlorobenzene	11.83	146	104652	5.463	uq/L	100
65) 1,2-Dichlorobenzene	12.20	146	102058	5.554	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9826	5.888	uq/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	74821	5.369	uq/L	98
68) 1,2,4-trichlorobenzene	13.83	180	59415	5.656	uq/L	98
69) Naphthalene	14.07	128	110273	6.191	uq/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	57713	5.811	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.018 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

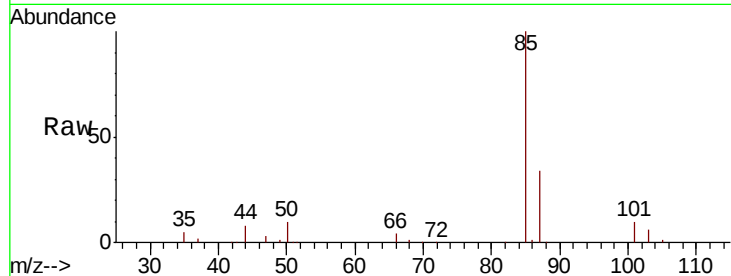
VICV01

Tot Ion: 85 Resp: 60788

Ion Ratio Lower Upper

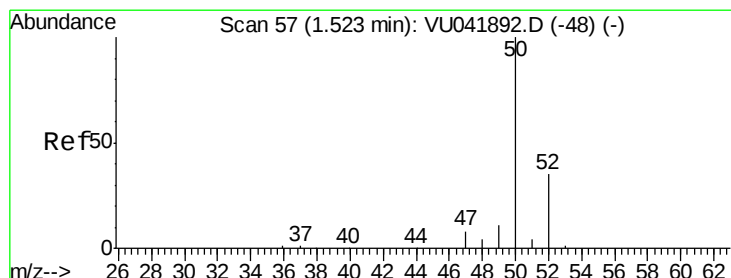
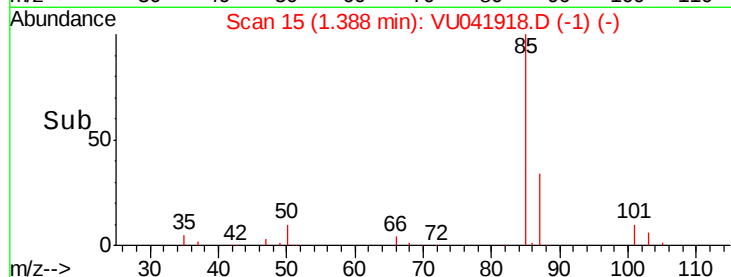
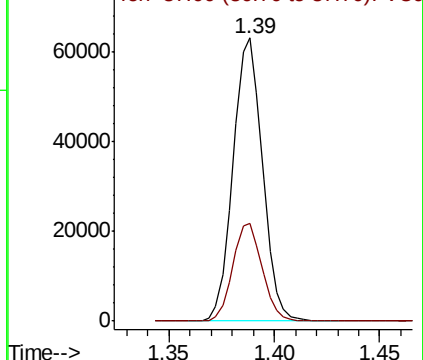
85 100

87 34.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.902 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041918.D

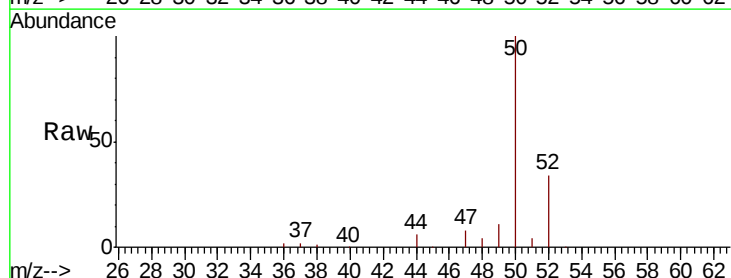
Acq: 11 Jan 2021 13:53

Tgt Ion: 50 Resp: 64603

Ion Ratio Lower Upper

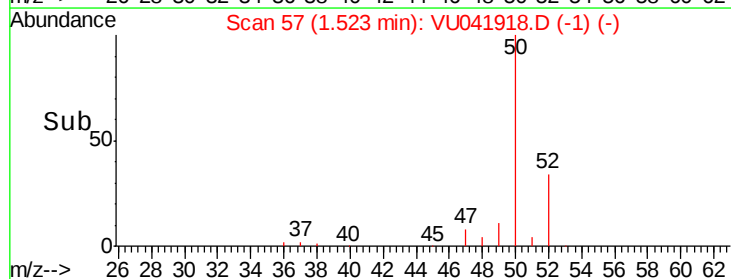
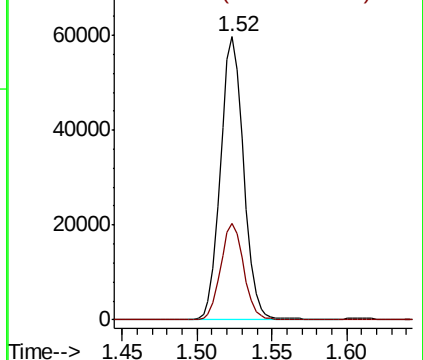
50 100

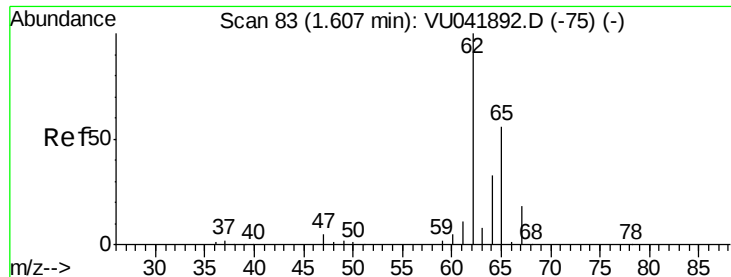
52 34.0 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.182 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

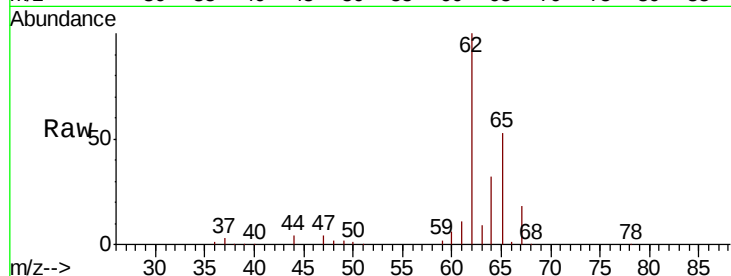
VICV01

Tot Ion: 62 Resp: 74129

Ion Ratio Lower Upper

62 100

64 32.1 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

80000

60000

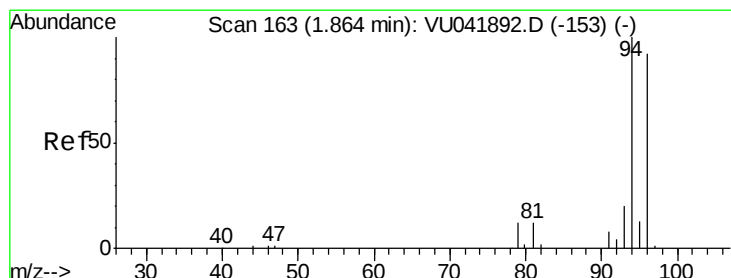
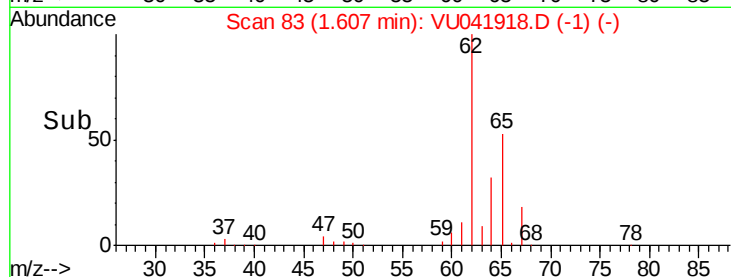
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 5.256 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041918.D

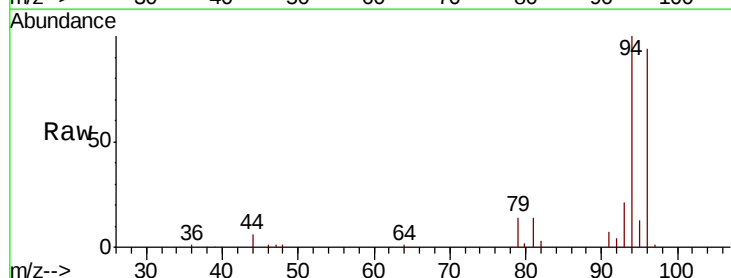
Acq: 11 Jan 2021 13:53

Tgt Ion: 94 Resp: 45471

Ion Ratio Lower Upper

94 100

96 93.9 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

40000

30000

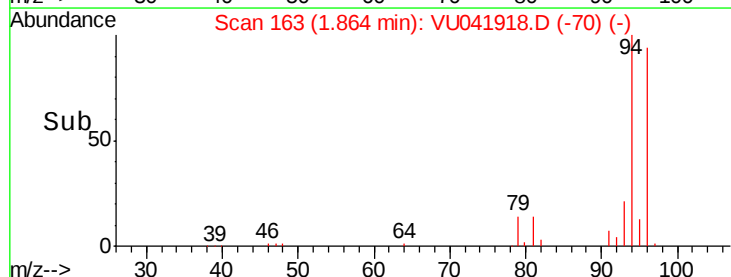
20000

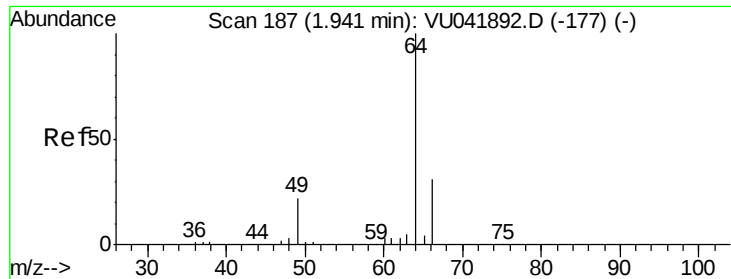
10000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 5.135 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

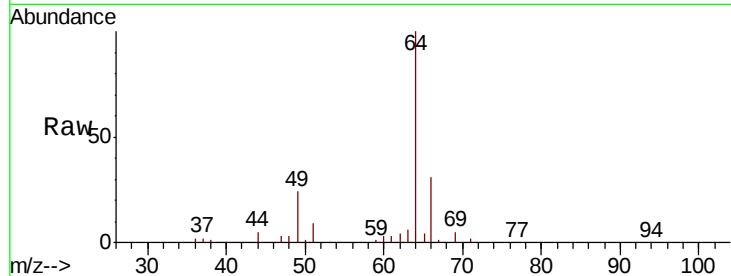
VICV01

Tot Ion: 64 Resp: 44873

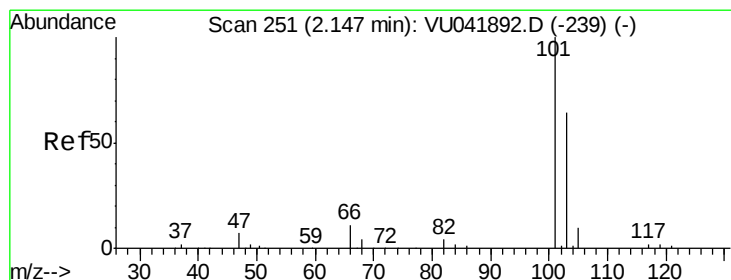
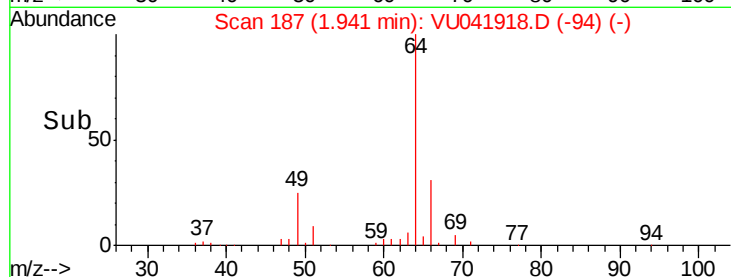
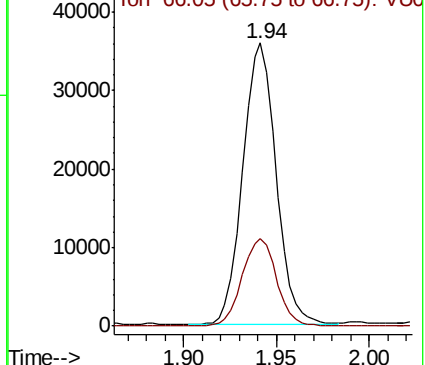
Ion Ratio Lower Upper

64 100

66 31.1 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU041918.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.207 ug/L

RT: 2.14 min Scan# 250

Delta R.T. 0.00 min

Lab File: VU041918.D

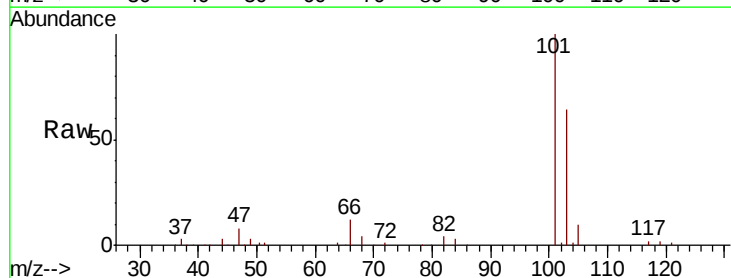
Acq: 11 Jan 2021 13:53

Tgt Ion:101 Resp: 96107

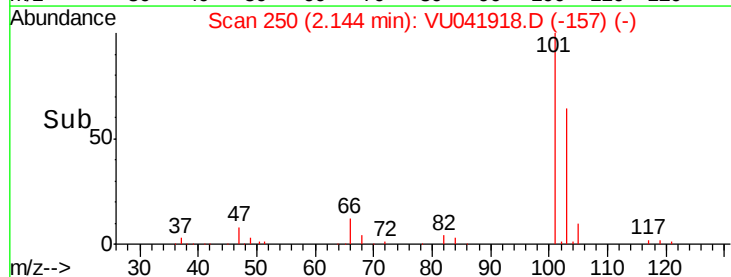
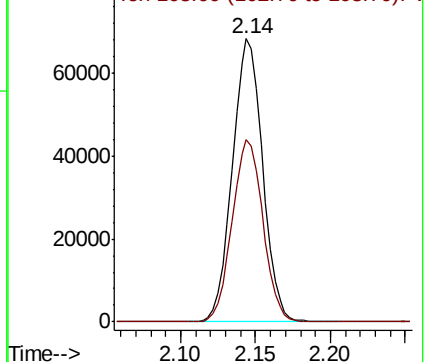
Ion Ratio Lower Upper

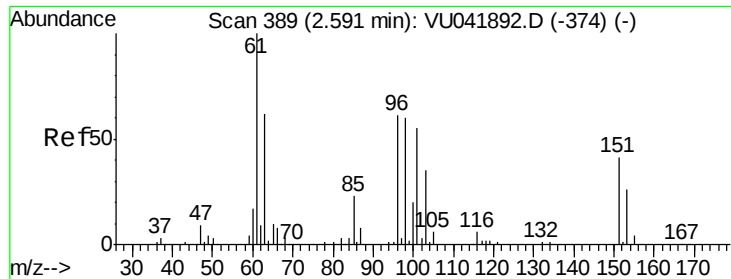
101 100

103 65.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU041918.D (-239) (-)





#10

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

Concen: 5.120 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

VICV01

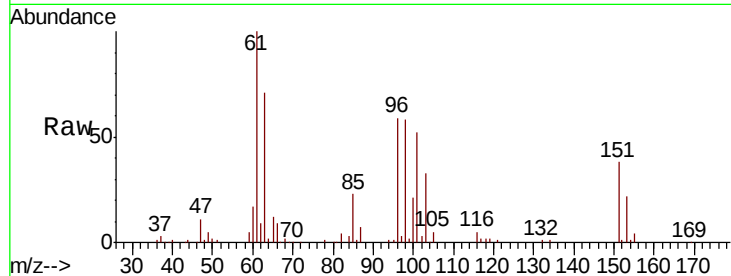
Tot Ion:101 Resp: 51422

Ion Ratio Lower Upper

101 100

85 43.6 35.1 52.7

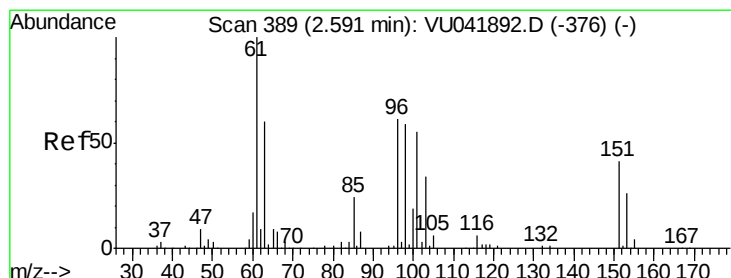
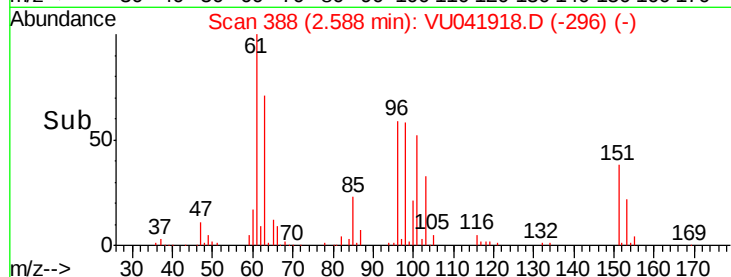
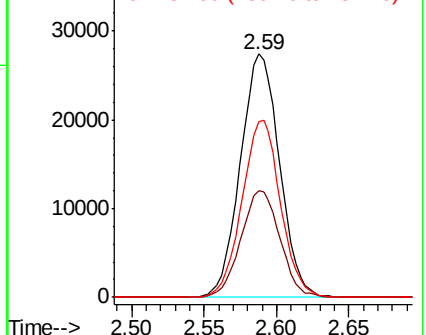
151 71.4 58.2 87.2



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: 5.114 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

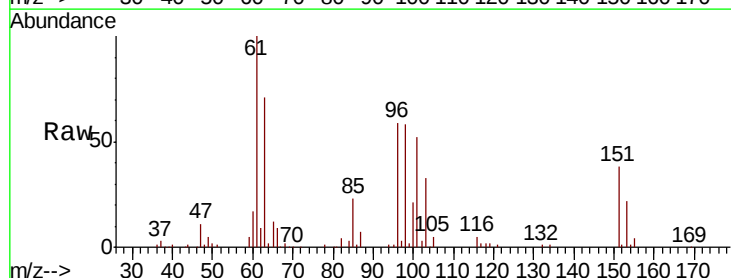
Tgt Ion: 96 Resp: 49995

Ion Ratio Lower Upper

96 100

61 169.3 123.5 229.4

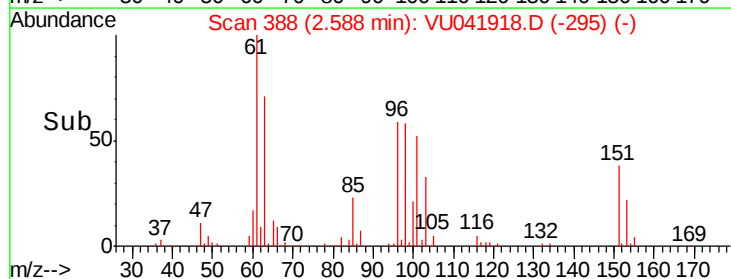
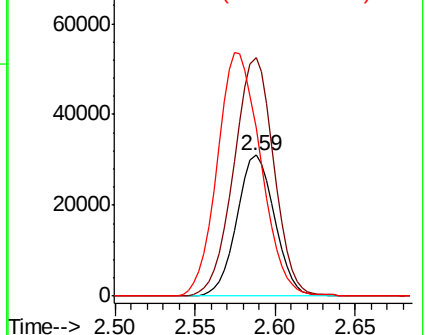
63 119.3 93.5 173.7

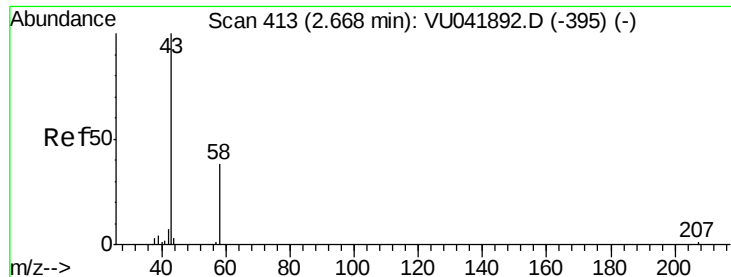


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.522 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

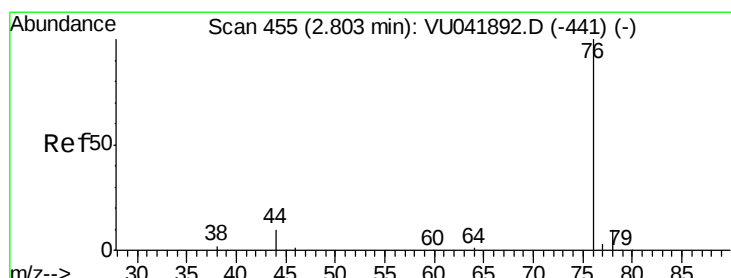
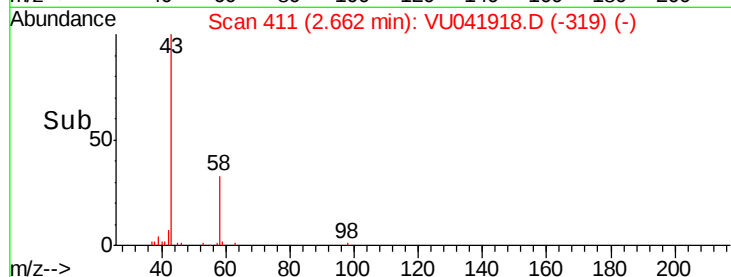
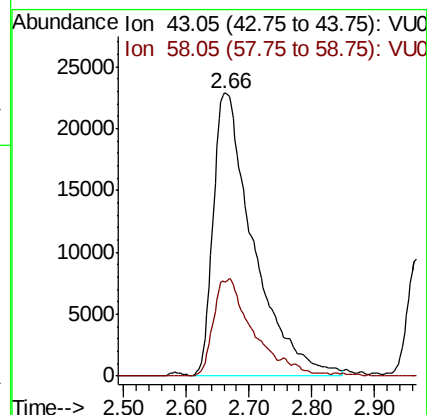
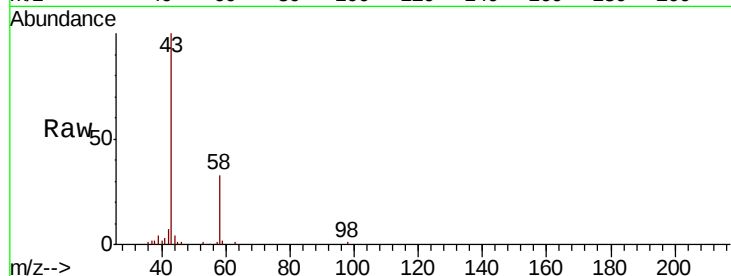
VICV01

Tot Ion: 43 Resp: 101964

Ion Ratio Lower Upper

43 100

58 31.4 0.0 23.6#



#14

Carbon disulfide

Concen: 4.979 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.00 min

Lab File: VU041918.D

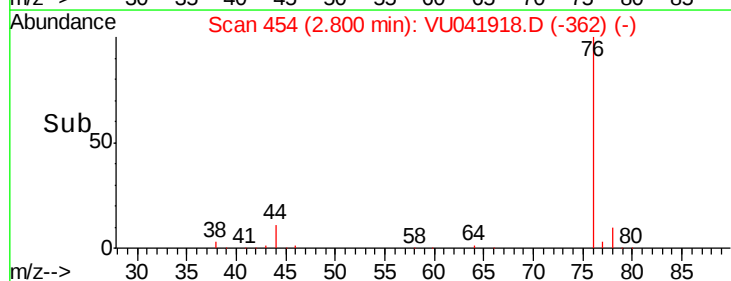
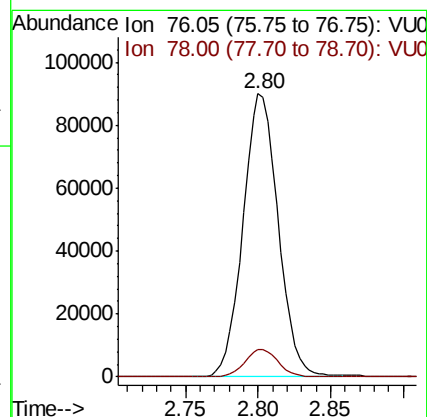
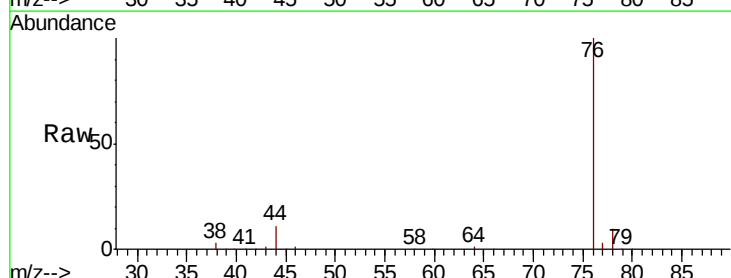
Acq: 11 Jan 2021 13:53

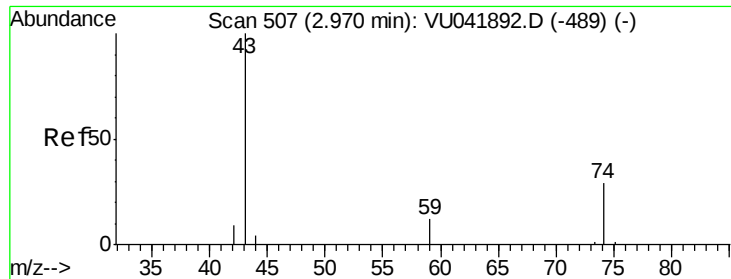
Tgt Ion: 76 Resp: 151891

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

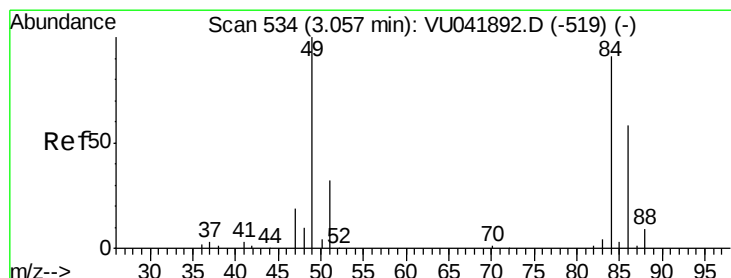
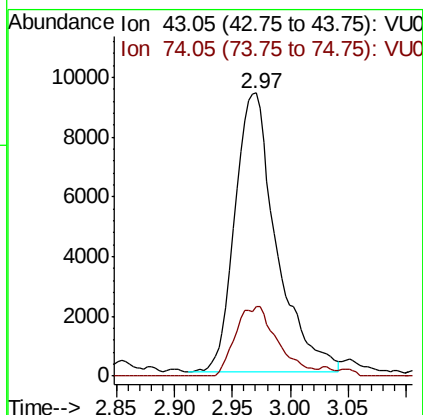
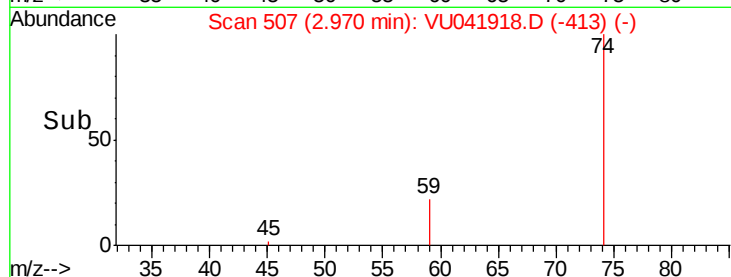
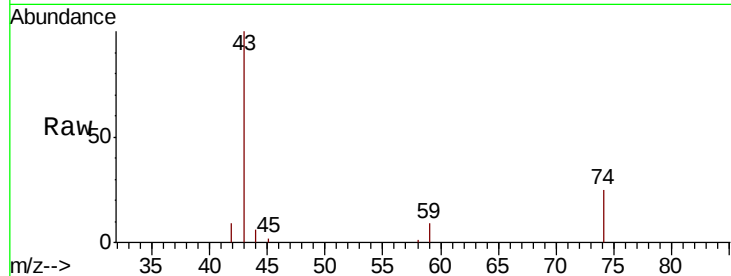




#15
Methvl Acetate
Concen: 5.379 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041918.D
Acq: 11 Jan 2021 13:53

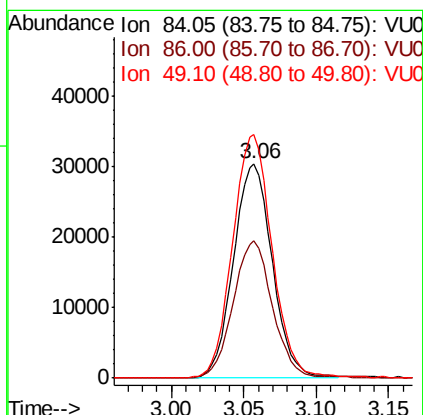
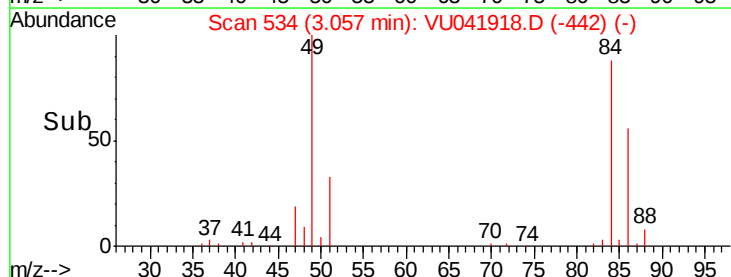
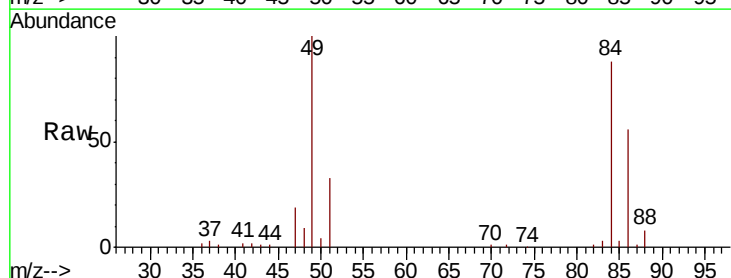
Instrument :
MSVOA_U
ClientSampled :
VICV01

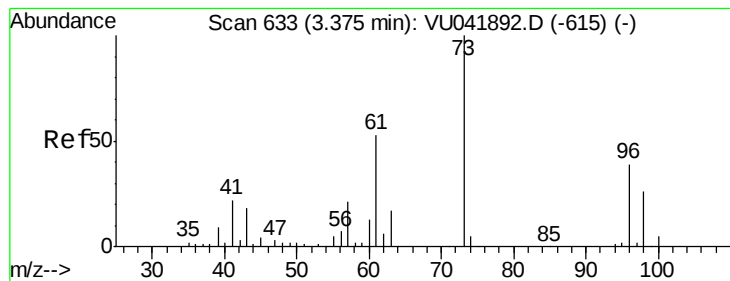
Tot Ion: 43 Resp: 23284
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.8



#16
Methylene chloride
Concen: 4.605 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041918.D
Acq: 11 Jan 2021 13:53

Tgt Ion: 84 Resp: 56584
Ion Ratio Lower Upper
84 100
86 63.9 43.5 80.7
49 113.6 81.8 151.8



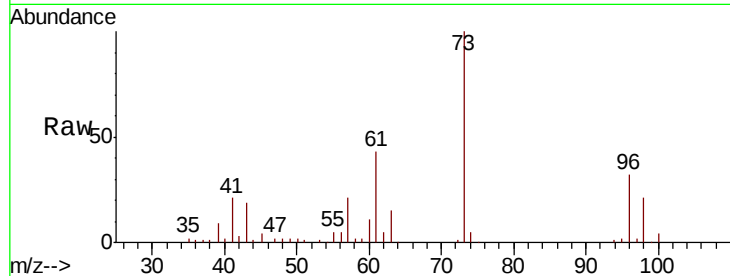


#17

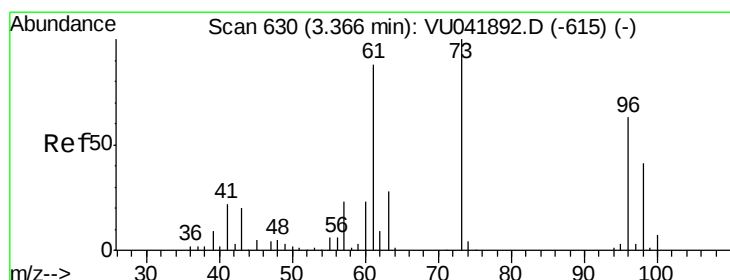
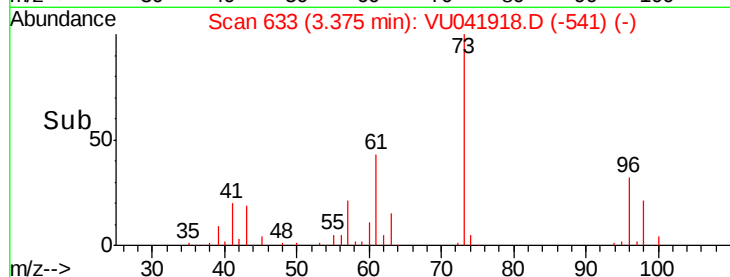
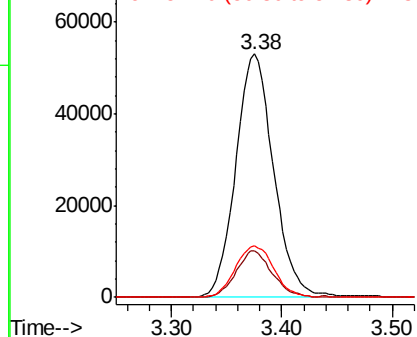
Methyl tert-butyl Ether
 Concen: 5.383 ug/L
 RT: 3.38 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Tot Ion: 73 Resp: 126210
 Ion Ratio Lower Upper
 73 100
 43 18.2 15.8 23.8
 57 21.6 18.3 27.5



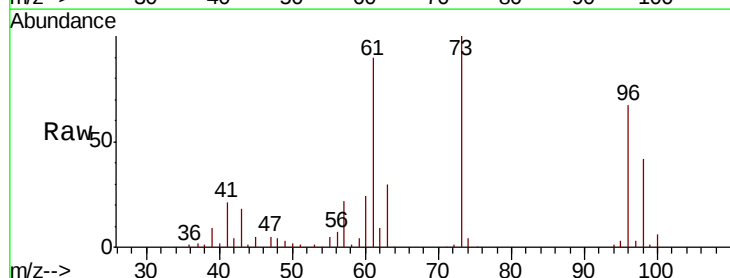
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



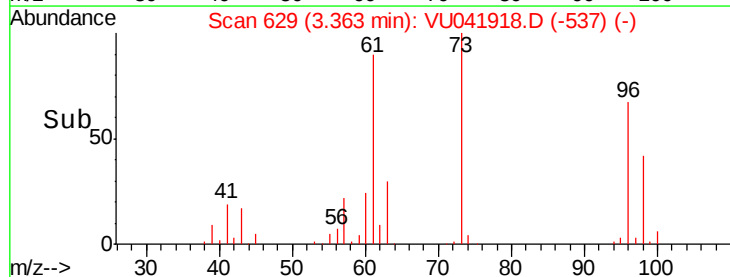
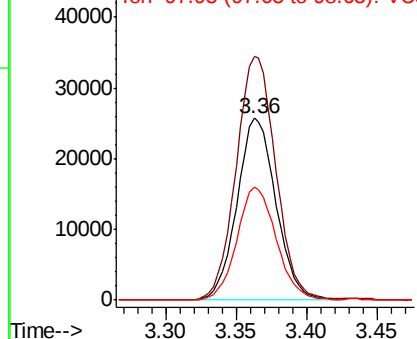
#18

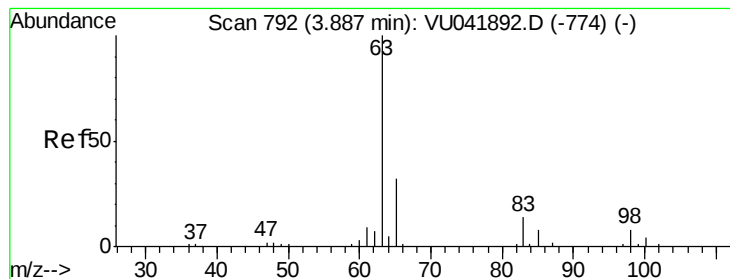
trans-1,2-Dichloroethene
 Concen: 5.247 ug/L
 RT: 3.36 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Tgt Ion: 96 Resp: 49802
 Ion Ratio Lower Upper
 96 100
 61 134.0 100.7 187.1
 98 62.4 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 5.460 ug/L

RT: 3.88 min Scan# 791

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampled :

VICV01

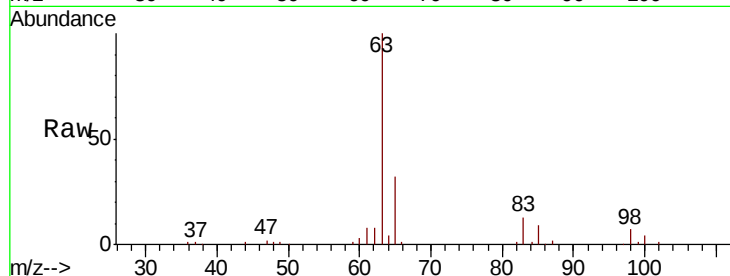
Tot Ion: 63 Resp: 97266

Ion Ratio Lower Upper

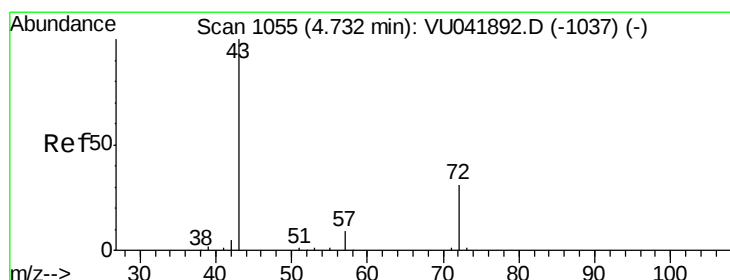
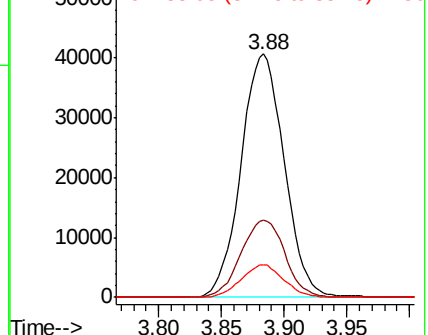
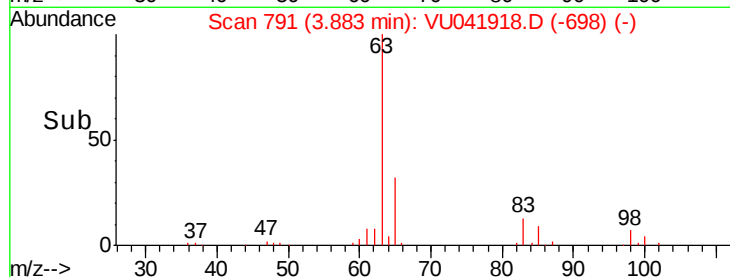
63 100

65 31.7 22.3 41.5

83 13.5 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU041918.D (-698) (-)



#21

2-Butanone

Concen: 55.607 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU041918.D

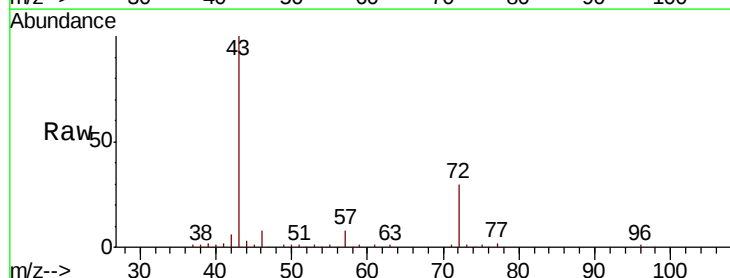
Acq: 11 Jan 2021 13:53

Tgt Ion: 43 Resp: 164388

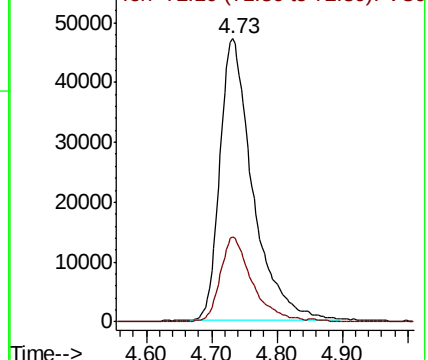
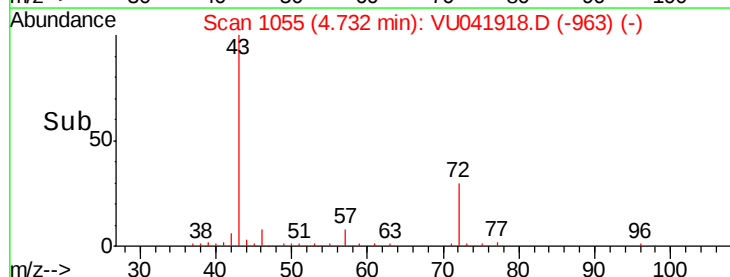
Ion Ratio Lower Upper

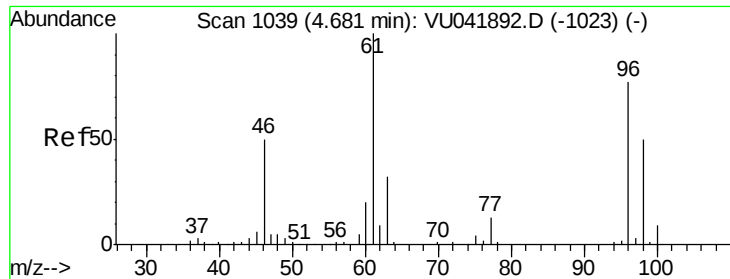
43 100

72 29.5 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU041918.D (-963) (-)

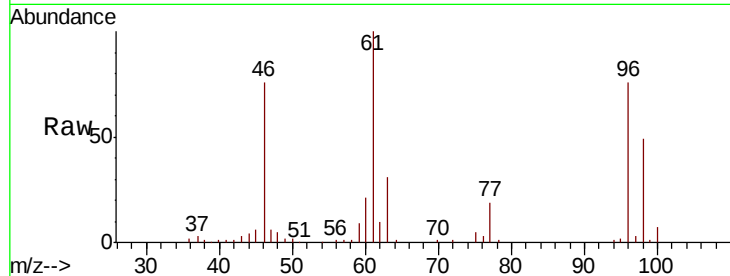




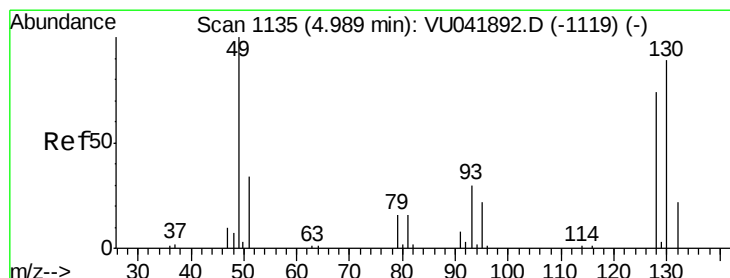
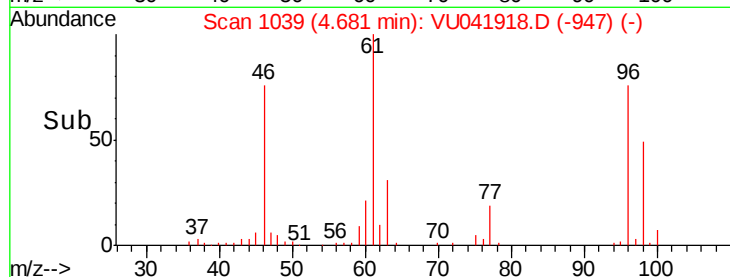
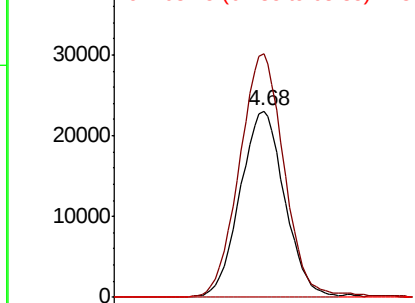
#22
 cis-1,2-Dichloroethene
 Concen: 5.143 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Tot Ion: 96 Resp: 52133
 Ion Ratio Lower Upper
 96 100
 61 130.9 90.3 167.7
 68 0.0 0.0 0.0

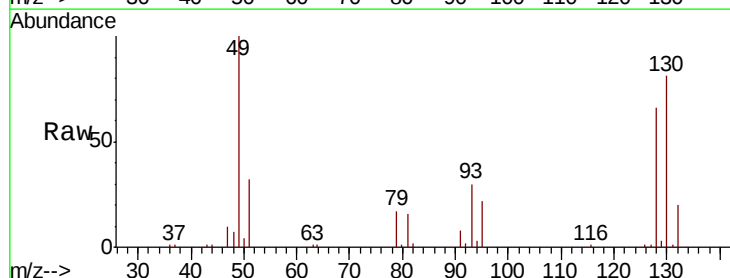


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

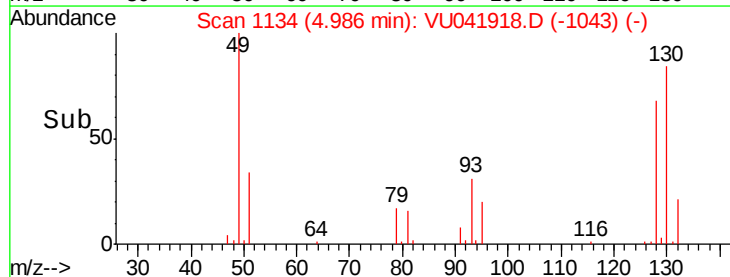
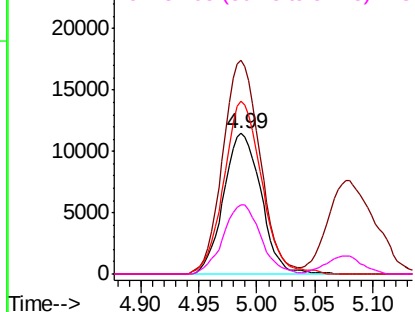


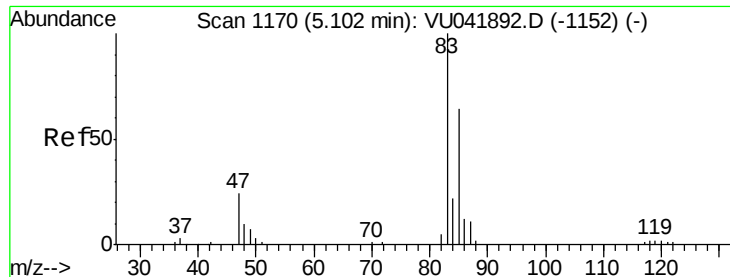
#23
 Bromochloromethane
 Concen: 5.437 ug/L
 RT: 4.99 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Tgt Ion: 128 Resp: 25721
 Ion Ratio Lower Upper
 128 100
 49 151.8 124.0 230.4
 130 122.8 94.0 174.6
 51 49.3 45.0 67.4



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

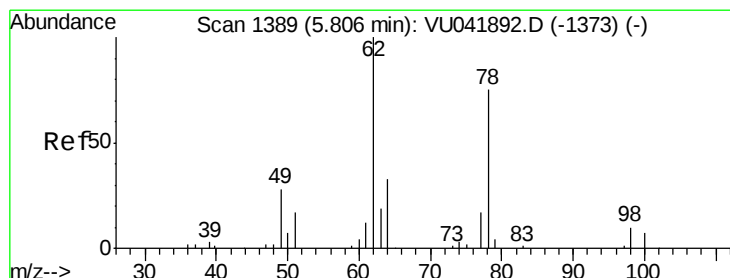
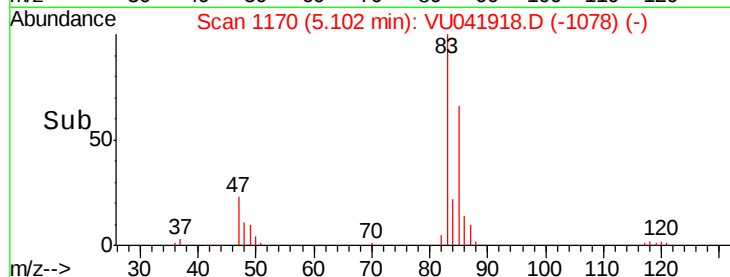
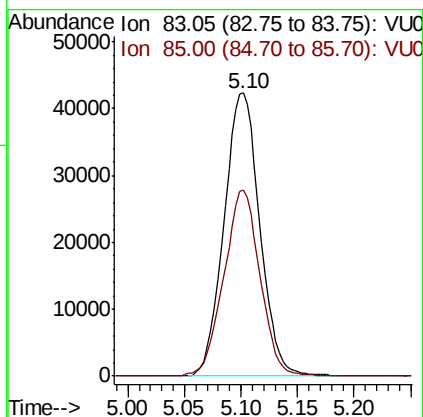
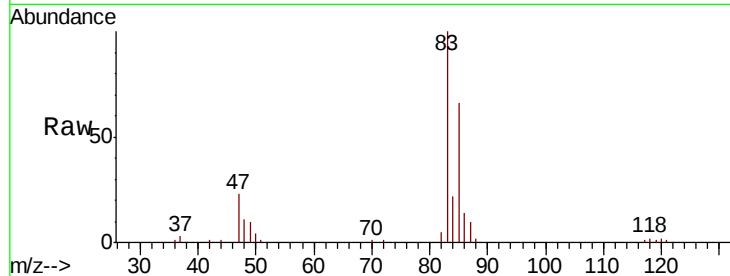




#25
Chloroform
Concen: 5.022 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041918.D
Acq: 11 Jan 2021 13:53

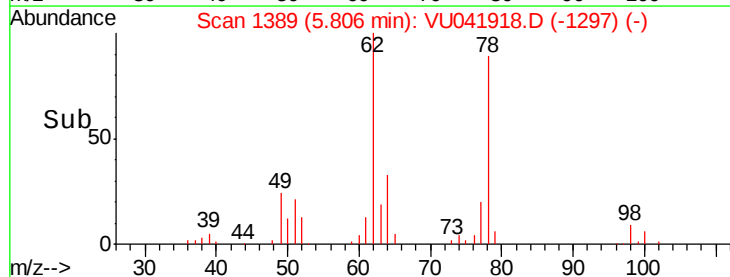
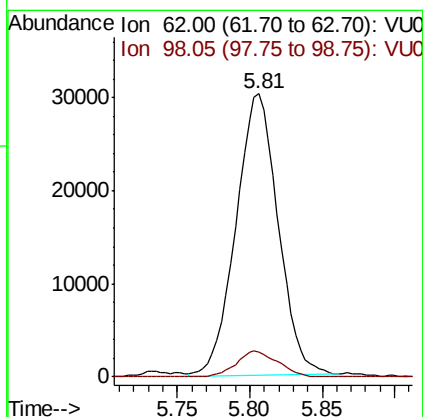
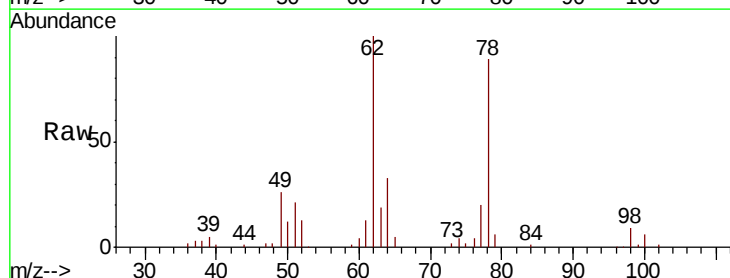
Instrument :
MSVOA_U
ClientSampleId :
VICV01

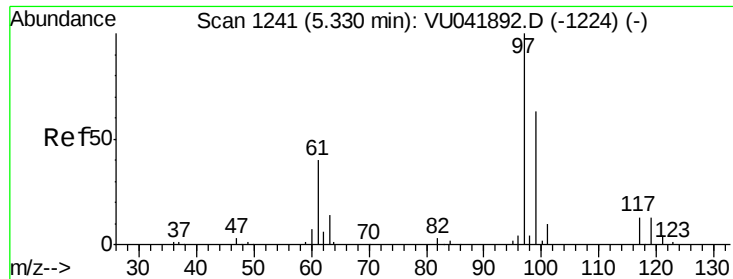
Tot Ion: 83 Resp: 93248
Ion Ratio Lower Upper
83 100
85 65.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.129 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041918.D
Acq: 11 Jan 2021 13:53

Tgt Ion: 62 Resp: 61040
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.8

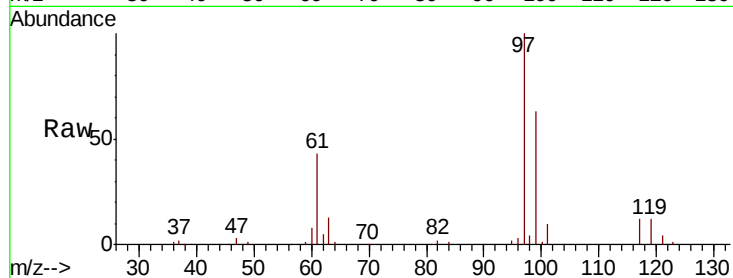




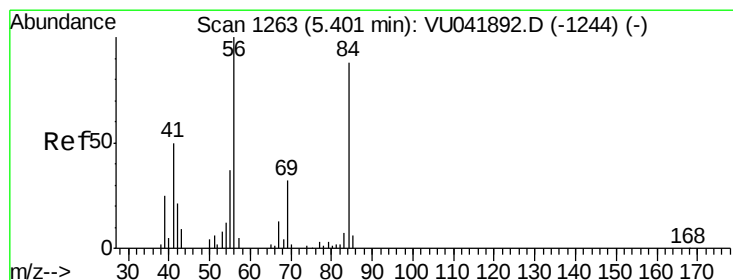
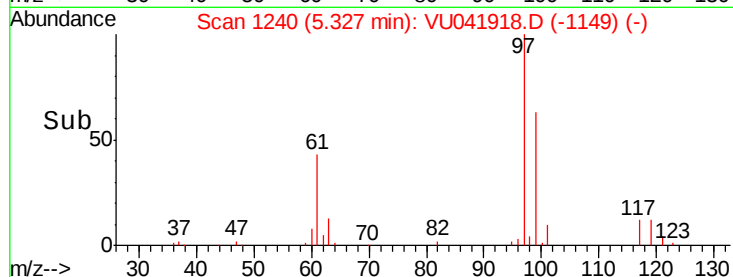
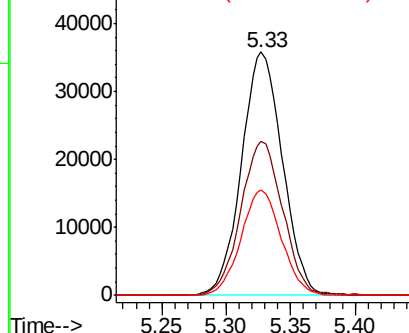
#29
 1,1,1-Trichloroethane
 Concen: 5.173 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Instrument :
 MSVOA_U
 ClientSampled :
 VICV01

Tot Ion: 97 Resp: 79319
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.2
 61 42.6 35.3 52.9

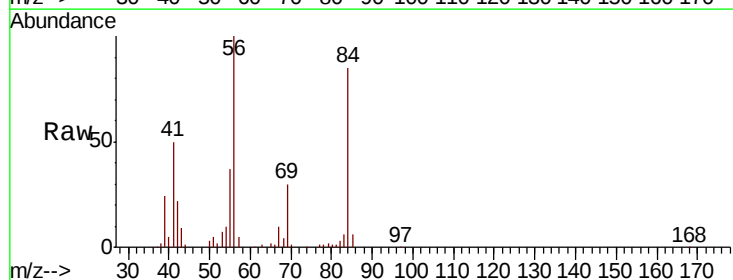


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

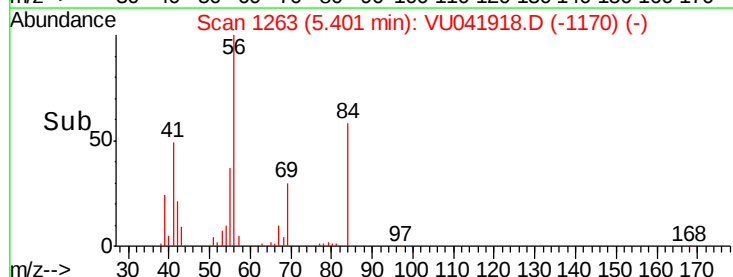
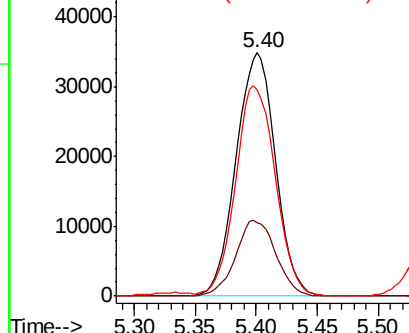


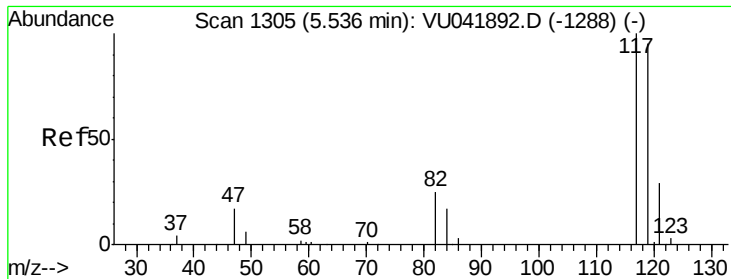
#30
 Cyclohexane
 Concen: 5.429 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Tgt Ion: 56 Resp: 77979
 Ion Ratio Lower Upper
 56 100
 69 31.6 24.4 36.6
 84 87.6 69.8 104.6



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: 5.264 ug/L

RT: 5.53 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

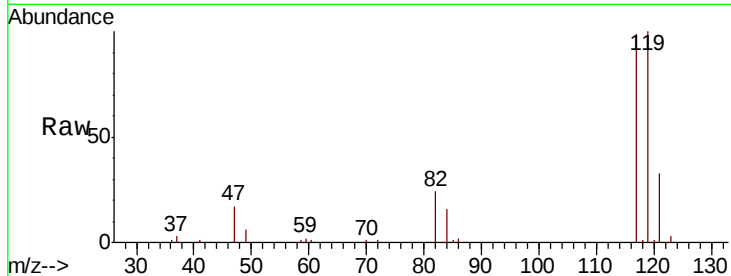
VICV01

Tot Ion:117 Resp: 69750

Ion Ratio Lower Upper

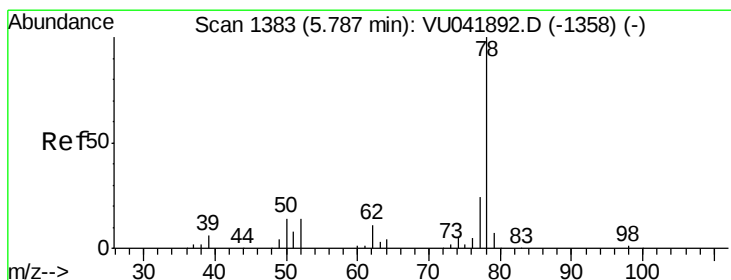
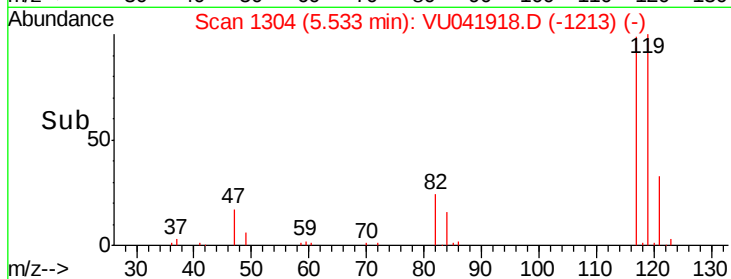
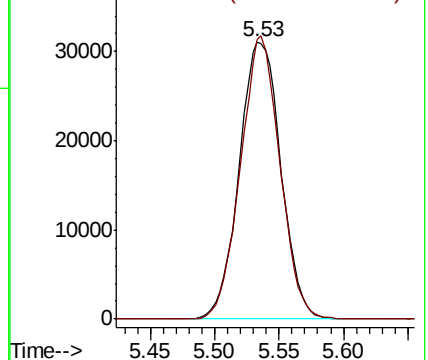
117 100

119 96.7 75.0 112.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.411 ug/L

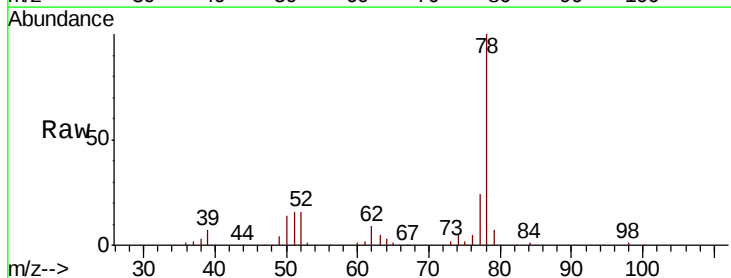
RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

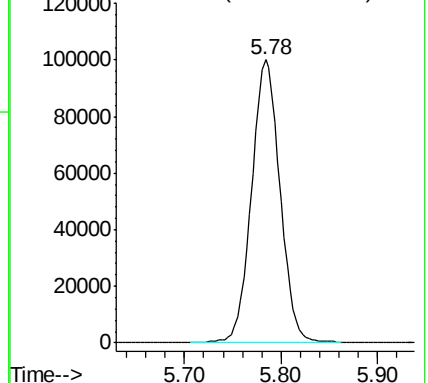
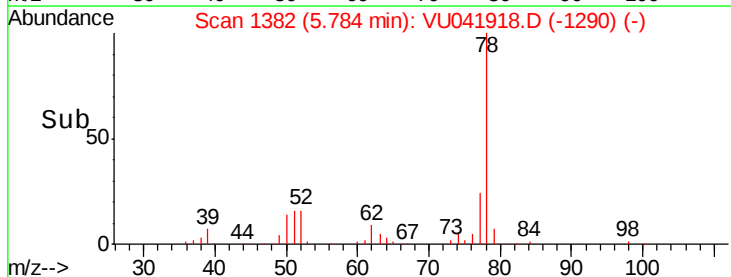
Lab File: VU041918.D

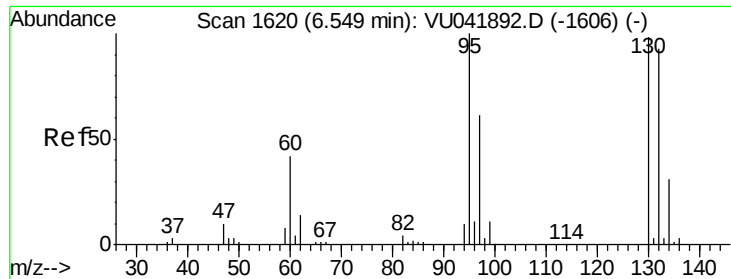
Acq: 11 Jan 2021 13:53

Tgt Ion: 78 Resp: 204896



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.350 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

VICV01

Tot Ion: 95 Resp: 53176

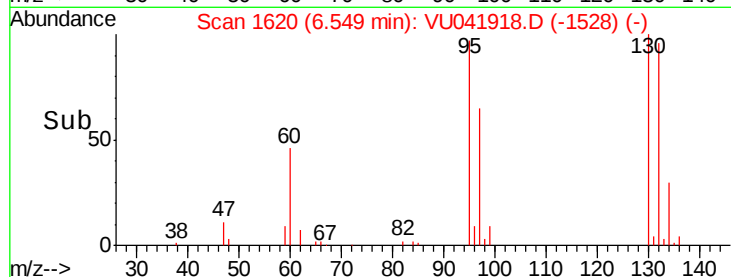
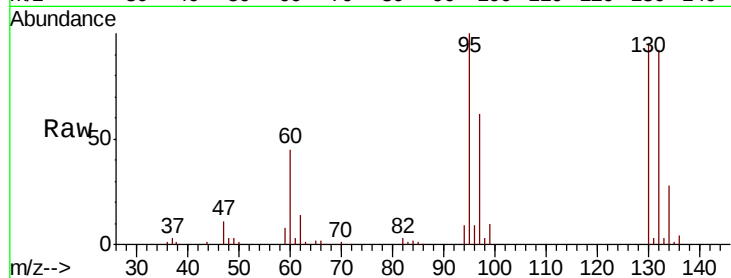
Ion Ratio Lower Upper

95 100

97 62.1 45.2 84.0

132 91.7 68.7 127.5

130 95.4 68.0 126.4

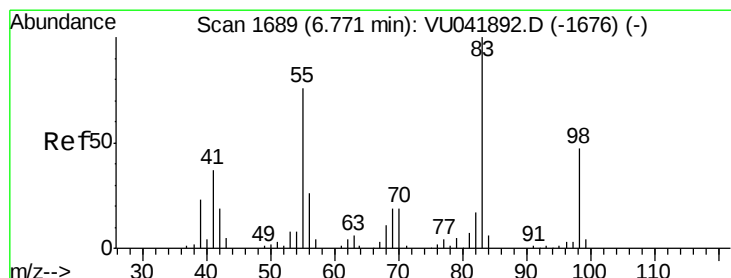
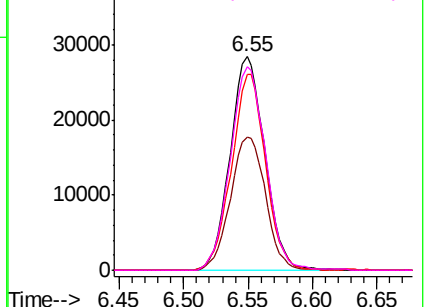


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.583 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

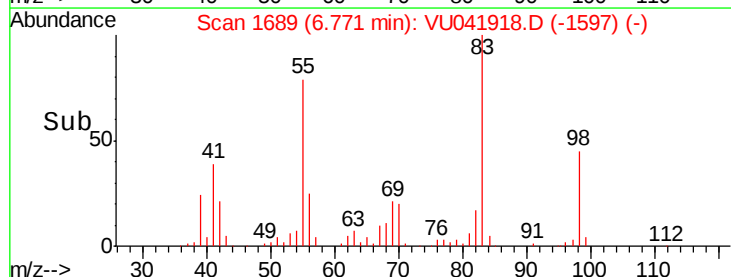
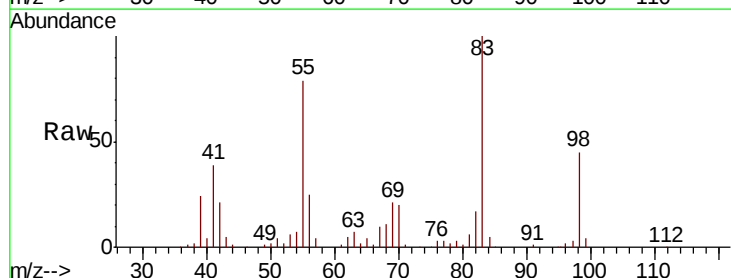
Tgt Ion: 83 Resp: 81569

Ion Ratio Lower Upper

83 100

55 77.6 64.3 96.5

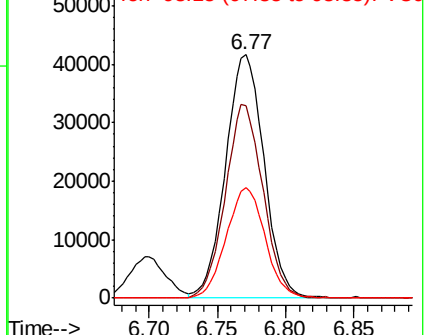
98 45.8 36.6 54.8

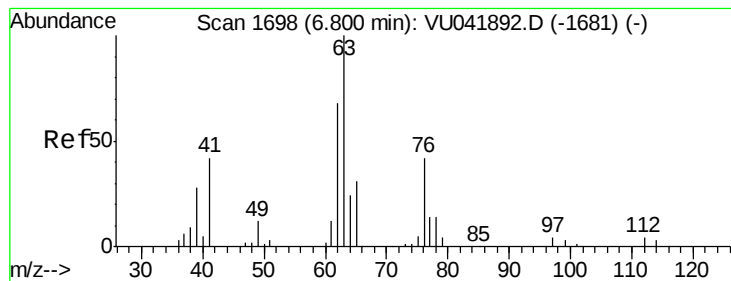


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.552 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

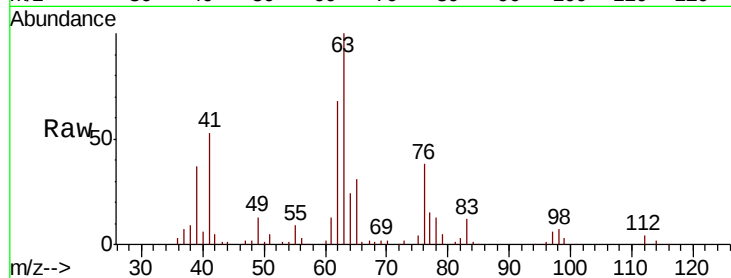
VICV01

Tot Ion: 63 Resp: 52421

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VU041918.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041918.D (-1681) (-)

6.80

30000

25000

20000

15000

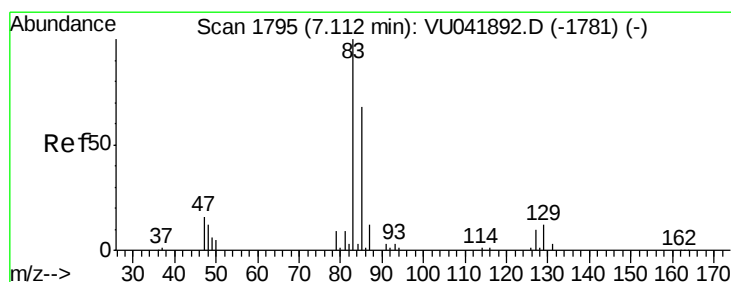
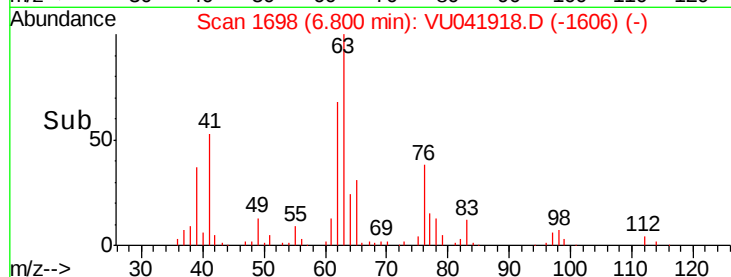
10000

5000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.227 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

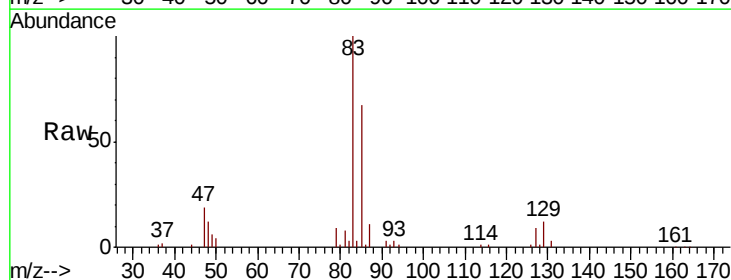
Tgt Ion: 83 Resp: 66046

Ion Ratio Lower Upper

83 100

85 66.7 42.1 78.3

127 8.9 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU041918.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU041918.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU041918.D (-1781) (-)

7.11

40000

30000

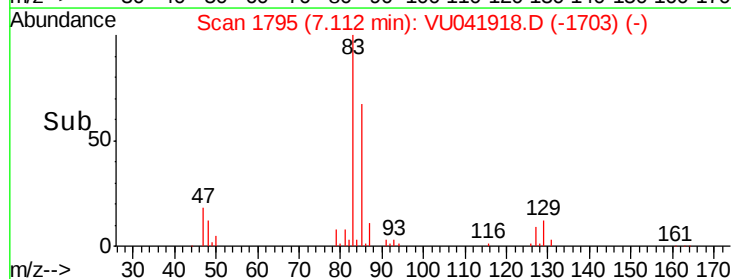
20000

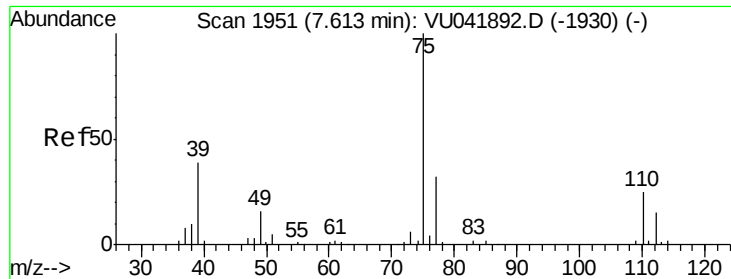
10000

0

7.05 7.10 7.15 7.20

Time-->

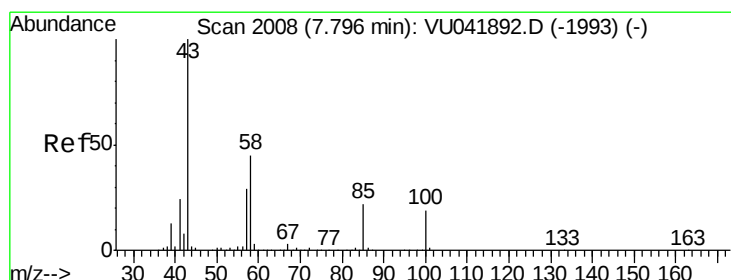
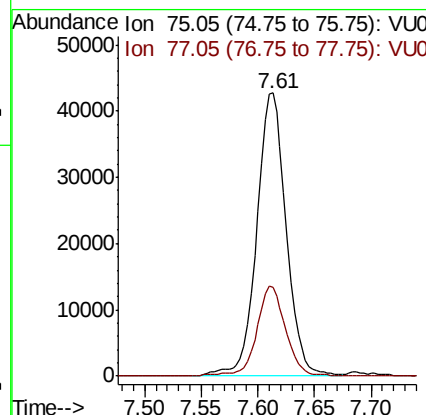
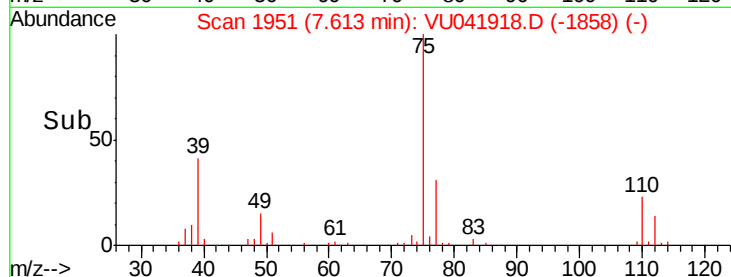
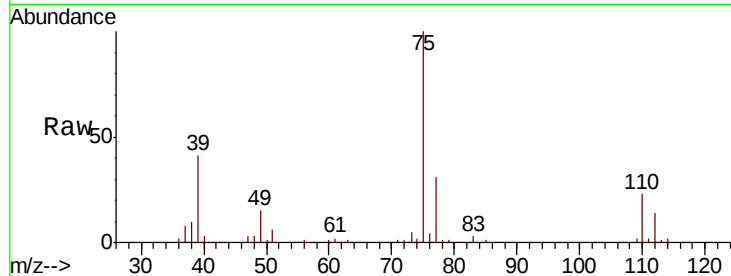




#39
 cis-1,3-Dichloropropene
 Concen: 5.541 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

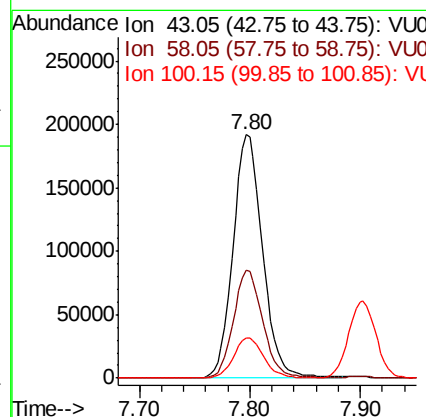
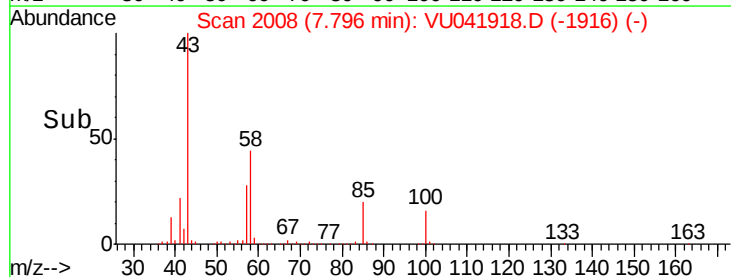
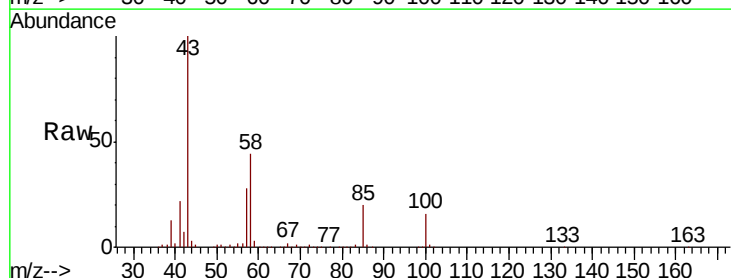
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

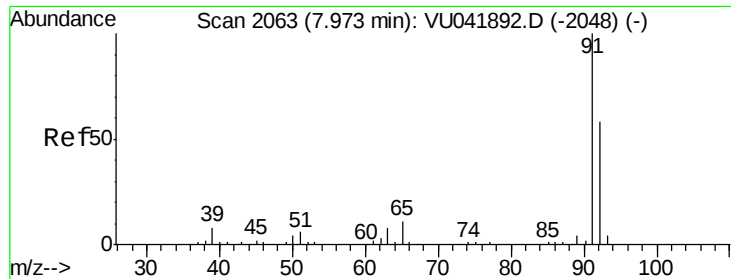
Tot Ion: 75 Resp: 77261
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 59.478 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Tgt Ion: 43 Resp: 356564
 Ion Ratio Lower Upper
 43 100
 58 43.9 35.0 52.4
 100 16.7 13.3 19.9





#42

Toluene

Concen: 5.584 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampled :

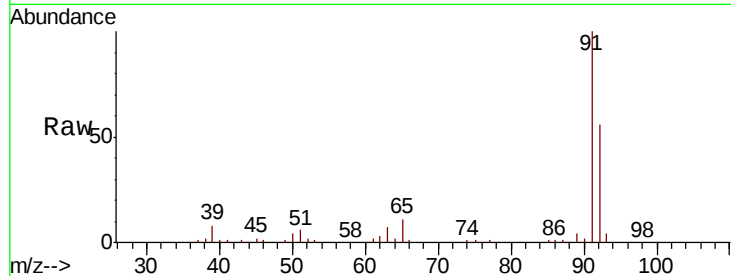
VICV01

Tot Ion: 91 Resp: 218468

Ion Ratio Lower Upper

91 100

92 56.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU041918.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041918.D (-2048) (-)

7.97

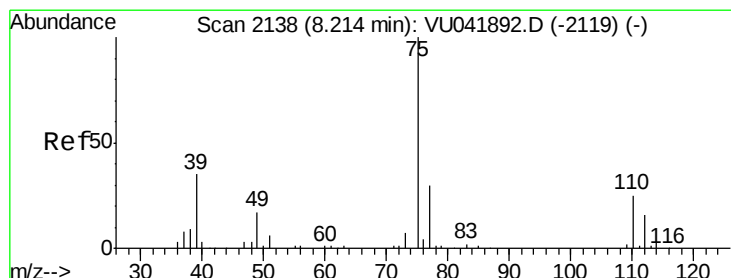
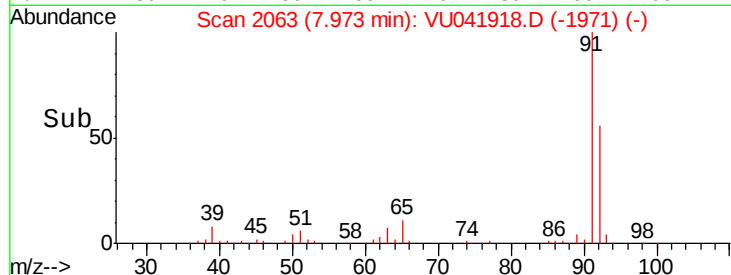
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.588 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041918.D

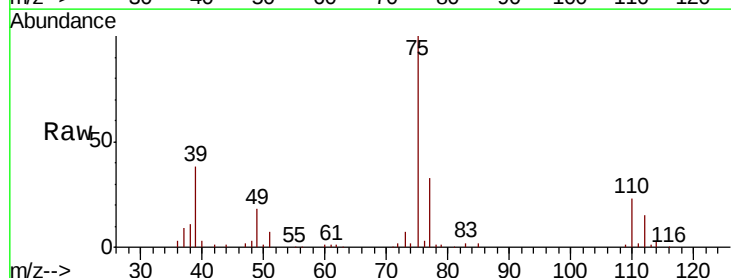
Acq: 11 Jan 2021 13:53

Tgt Ion: 75 Resp: 68928

Ion Ratio Lower Upper

75 100

77 32.9 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU041918.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU041918.D (-2119) (-)

8.21

40000

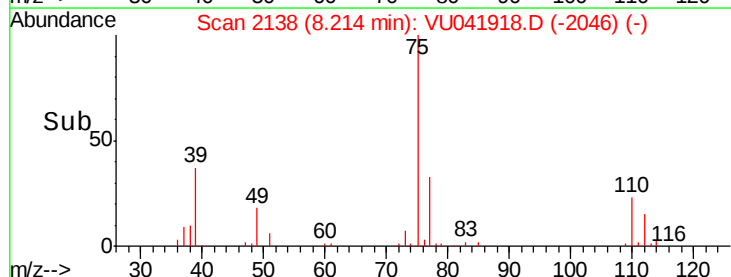
30000

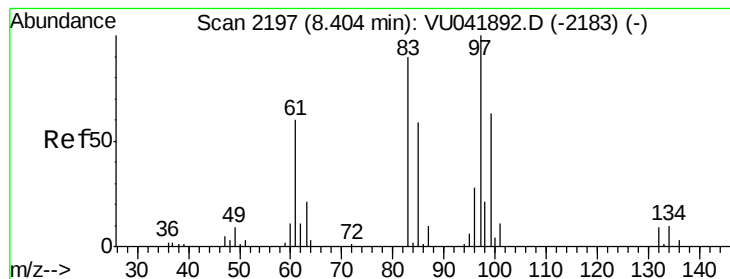
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.719 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

VICV01

Tot Ion: 97 Resp: 41406

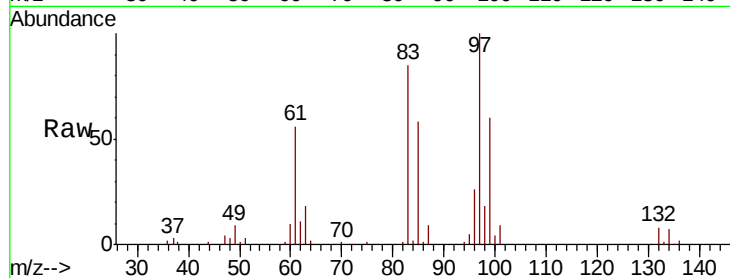
Ion Ratio Lower Upper

97 100

99 60.3 45.1 83.9

83 85.5 63.3 117.7

85 58.0 39.2 72.8

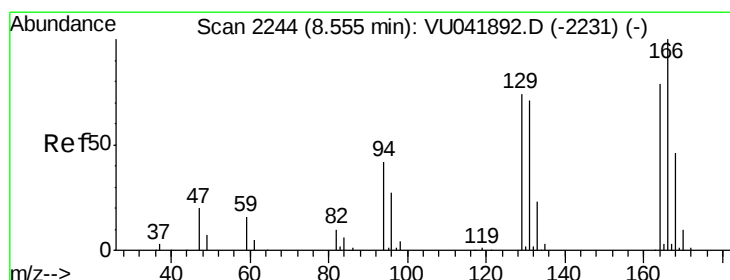
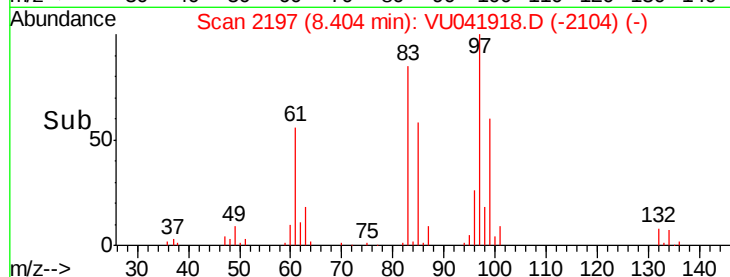
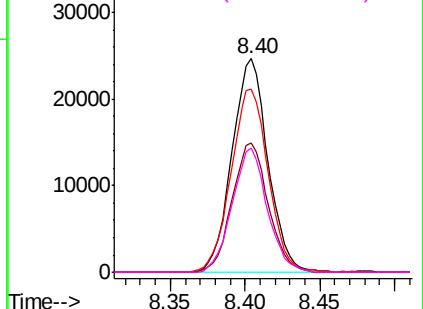


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.608 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Tgt Ion: 164 Resp: 38790

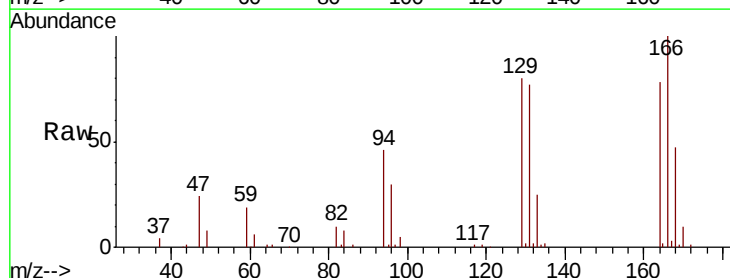
Ion Ratio Lower Upper

164 100

129 102.8 69.2 128.6

131 99.2 69.7 129.5

166 128.8 89.2 165.8

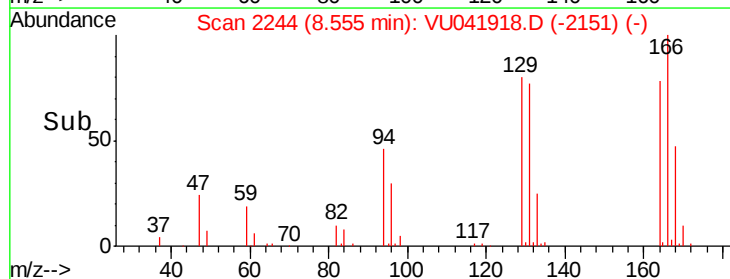
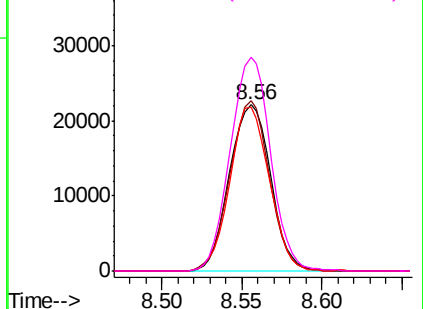


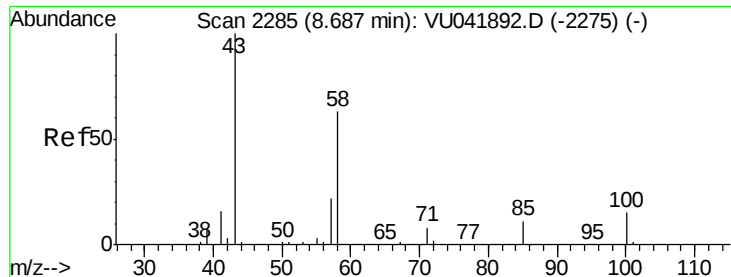
Abundance Ion 163.90 (163.60 to 164.60): V

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

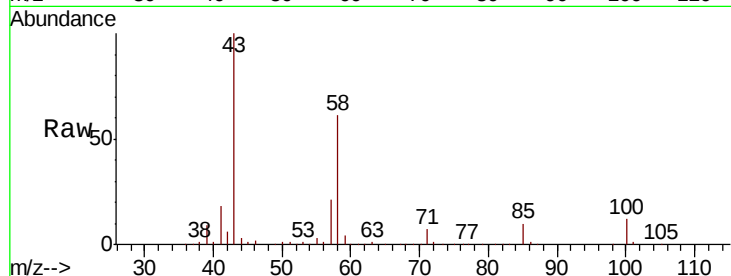




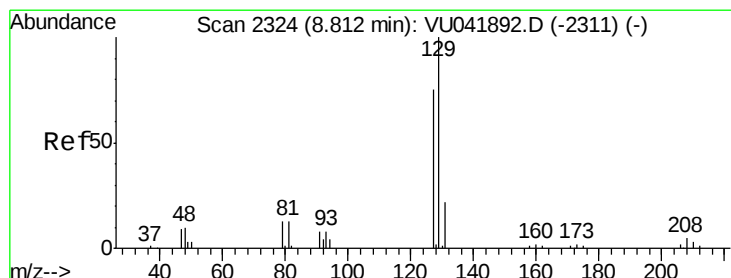
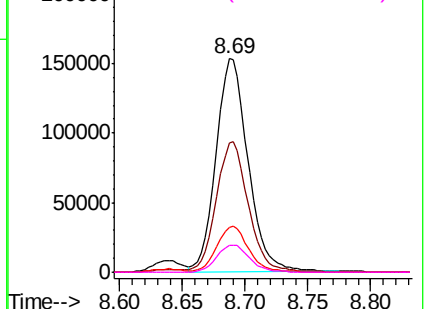
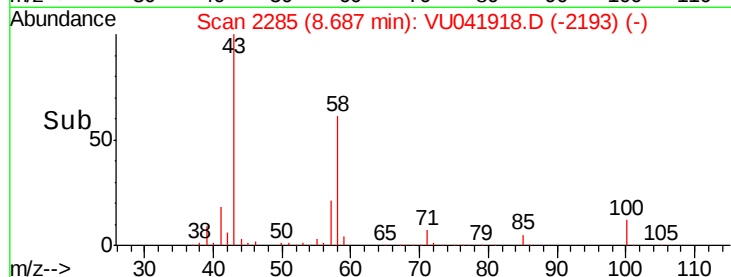
#48
2-Hexanone
Concen: 61.338 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041918.D
Acq: 11 Jan 2021 13:53

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tot Ion: 43 Resp: 271060
Ion Ratio Lower Upper
43 100
58 61.1 47.6 71.4
57 21.7 17.1 25.7
100 13.0 10.4 15.6

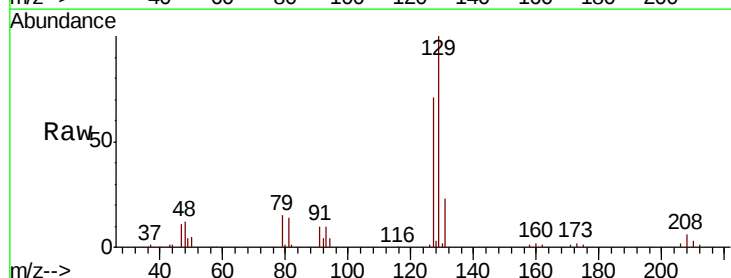


Abundance Ion 43.05 (42.75 to 43.75): VU041918.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041918.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041918.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041918.D (-2193) (-)

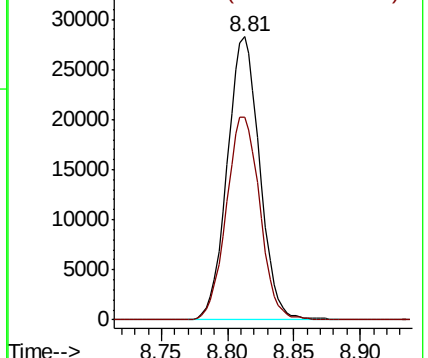
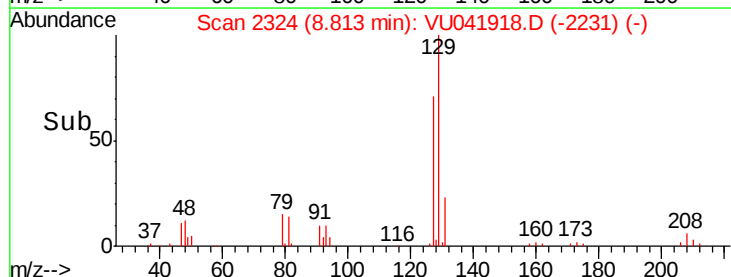


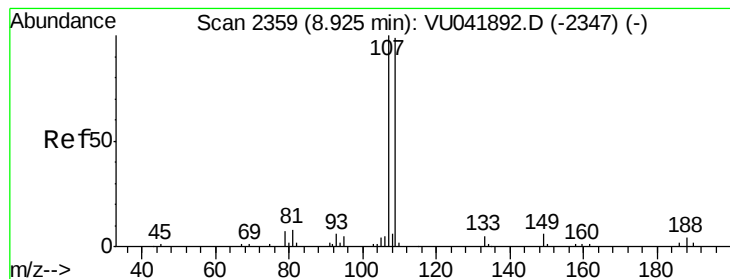
#49
Dibromochloromethane
Concen: 5.456 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041918.D
Acq: 11 Jan 2021 13:53

Tgt Ion: 129 Resp: 48070
Ion Ratio Lower Upper
129 100
127 71.4 54.9 101.9



Abundance Ion 128.95 (128.65 to 129.65): VU041918.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041918.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 5.688 ug/L

RT: 8.93 min Scan# 2359

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

VICV01

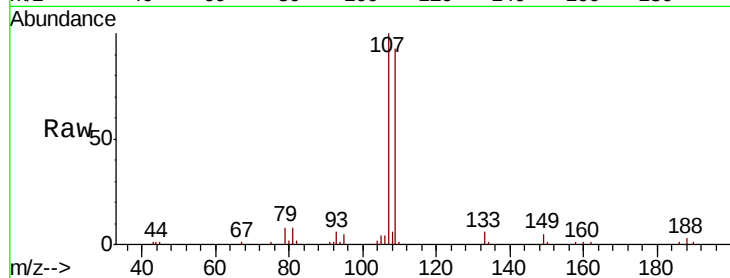
Tot Ion:107 Resp: 38822

Ion Ratio Lower Upper

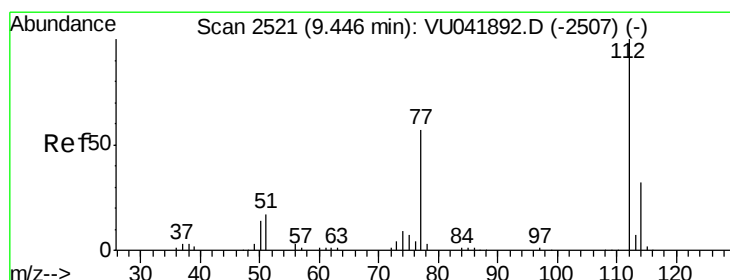
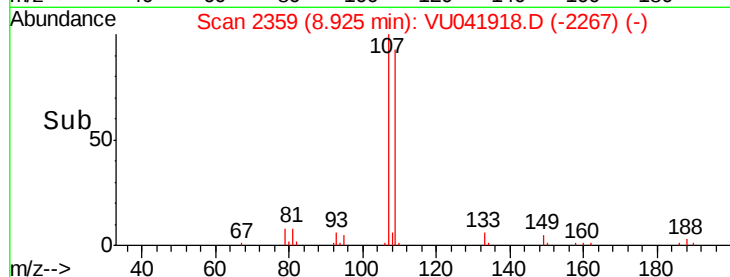
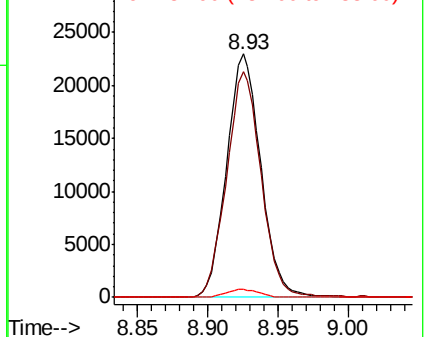
107 100

109 92.9 68.5 127.1

188 3.3 2.6 4.0



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



#51

Chlorobenzene

Concen: 5.414 ug/L

RT: 9.45 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

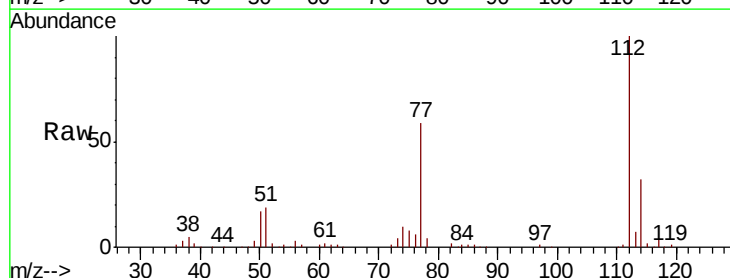
Tgt Ion:112 Resp: 133329

Ion Ratio Lower Upper

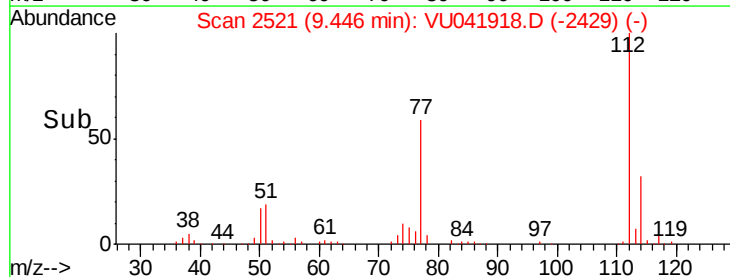
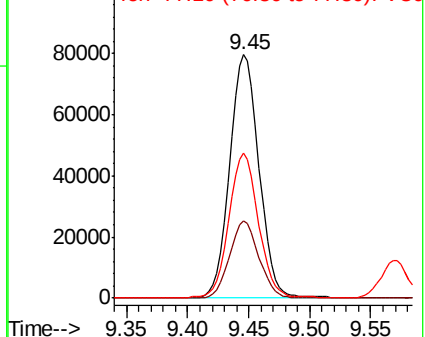
112 100

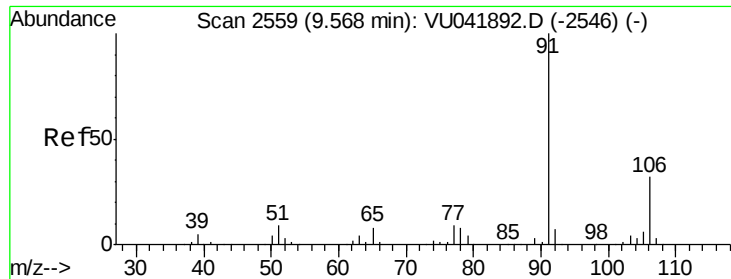
114 31.8 21.5 39.9

77 59.4 47.3 70.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.493 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

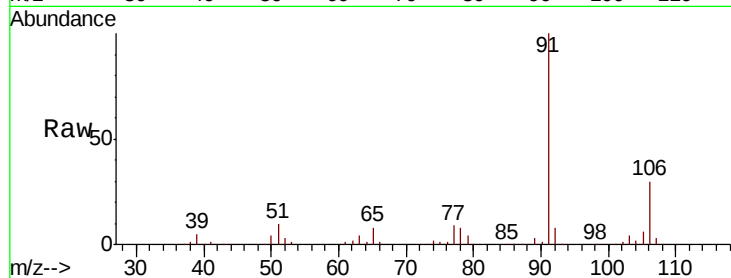
VICV01

Tot Ion: 91 Resp: 226343

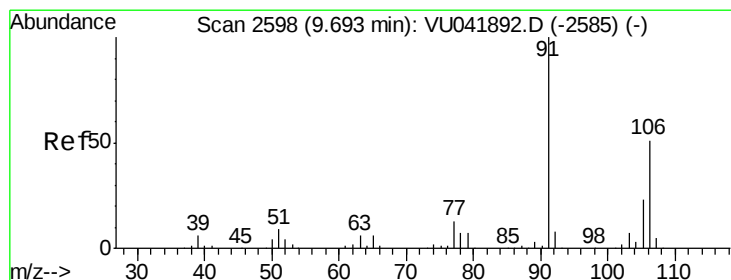
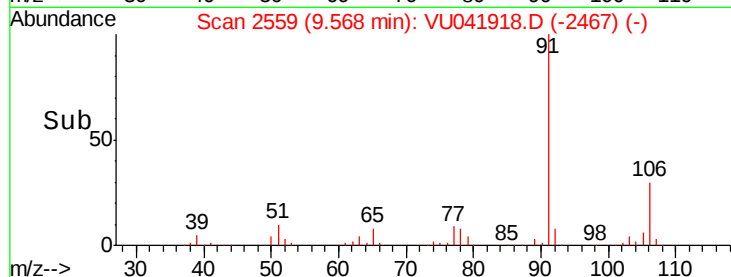
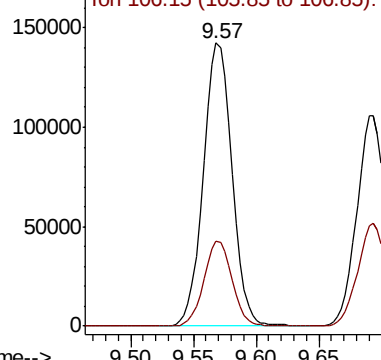
Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VU041918.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.569 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041918.D

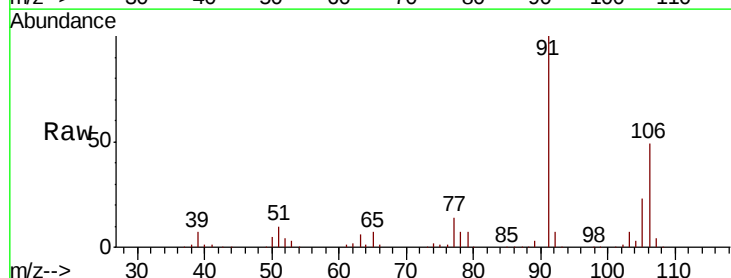
Acq: 11 Jan 2021 13:53

Tgt Ion: 106 Resp: 84966

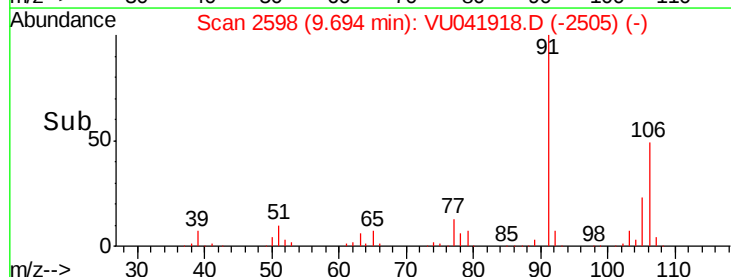
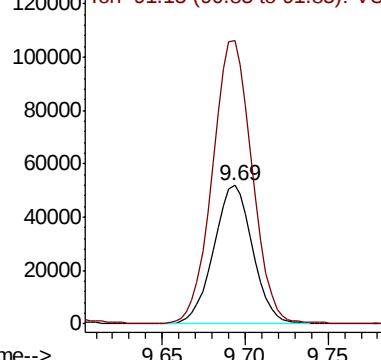
Ion Ratio Lower Upper

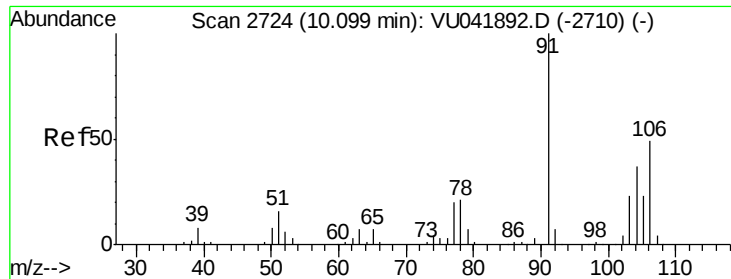
106 100

91 204.2 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU041918.D (-2585) (-)

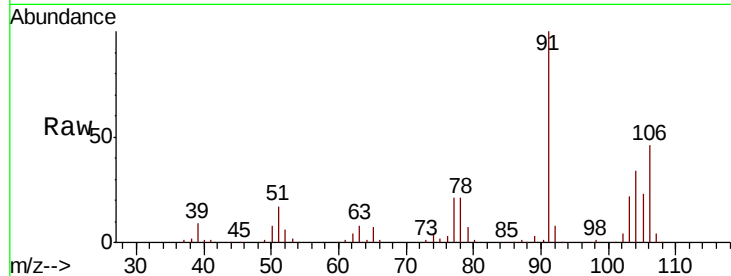




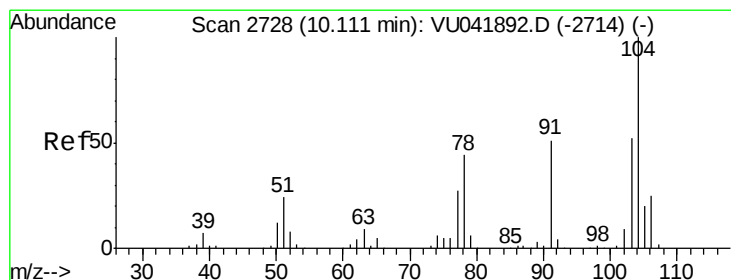
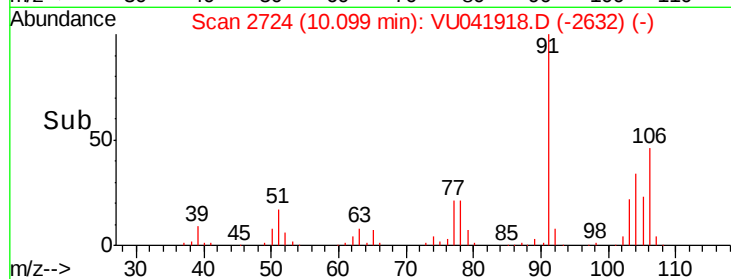
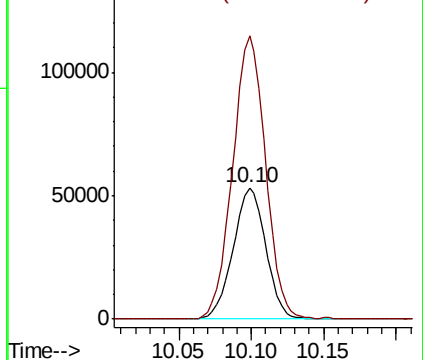
#54
o-Xylene
Concen: 5.629 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041918.D
Acq: 11 Jan 2021 13:53

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tot Ion:106 Resp: 82990
Ion Ratio Lower Upper
106 100
91 215.5 147.3 273.6

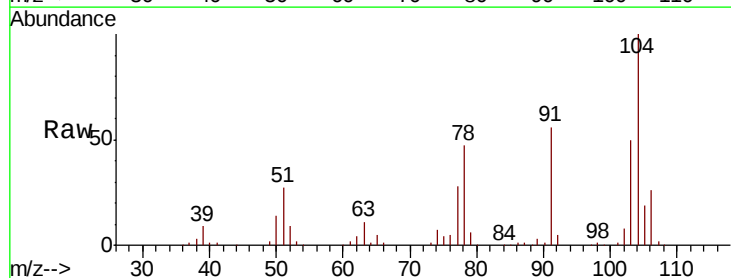


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

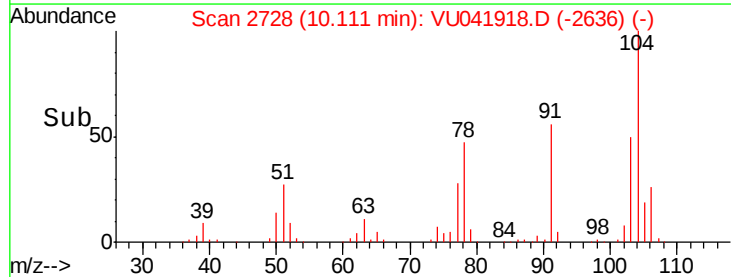
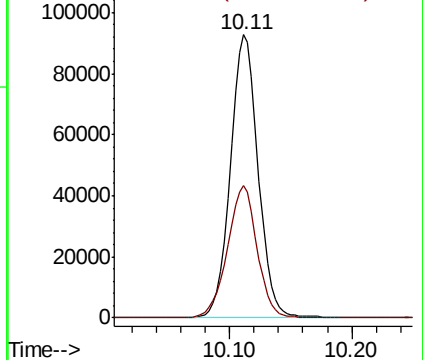


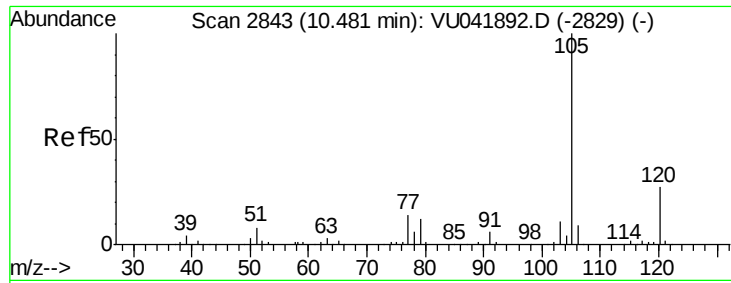
#55
Styrene
Concen: 5.725 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041918.D
Acq: 11 Jan 2021 13:53

Tgt Ion:104 Resp: 146726
Ion Ratio Lower Upper
104 100
78 46.7 33.3 61.9



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





#56

Isopropylbenzene

Concen: 5.634 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

VICV01

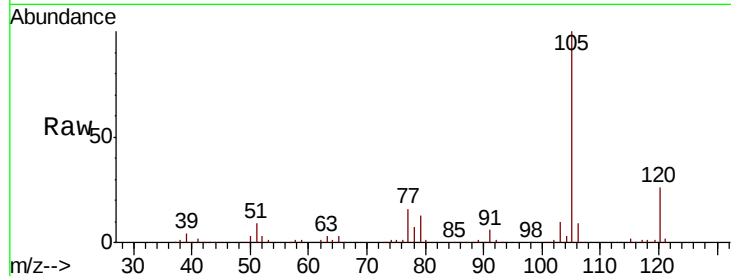
Tot Ion:105 Resp: 223034

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

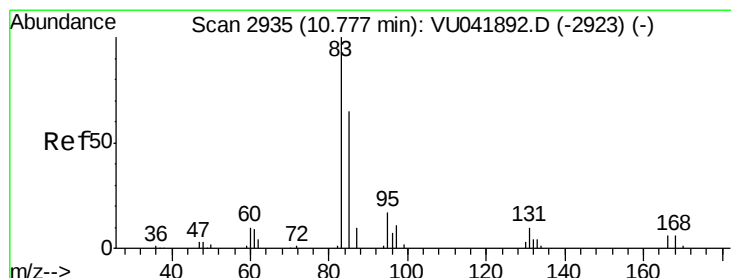
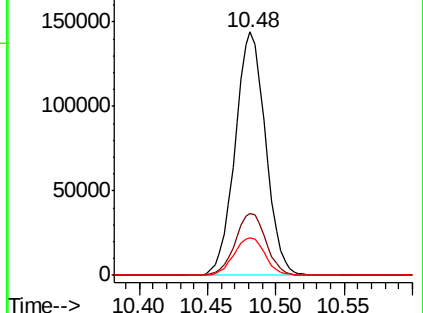
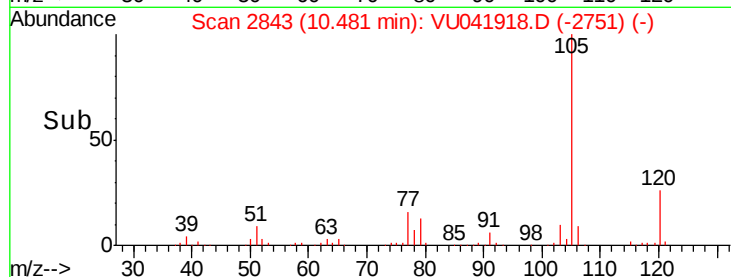
77 15.7 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.700 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

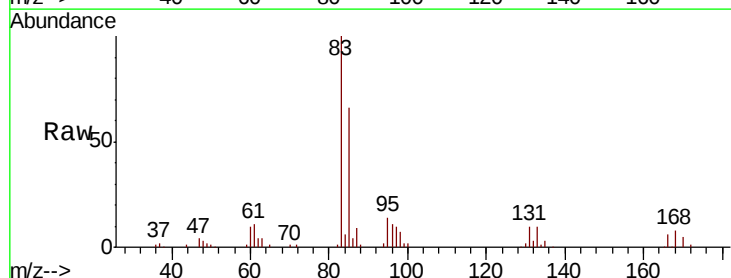
Tgt Ion: 83 Resp: 53925

Ion Ratio Lower Upper

83 100

85 65.8 45.4 84.2

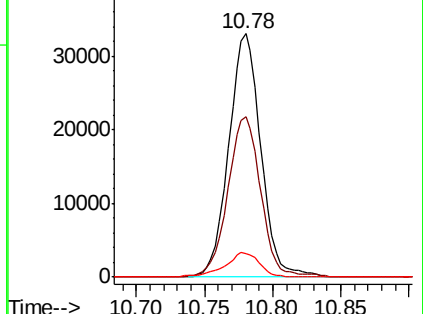
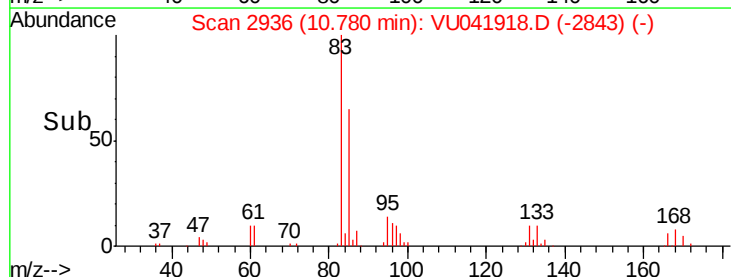
131 9.9 7.4 11.2

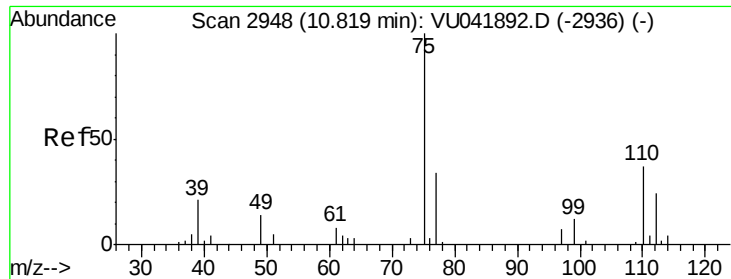


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

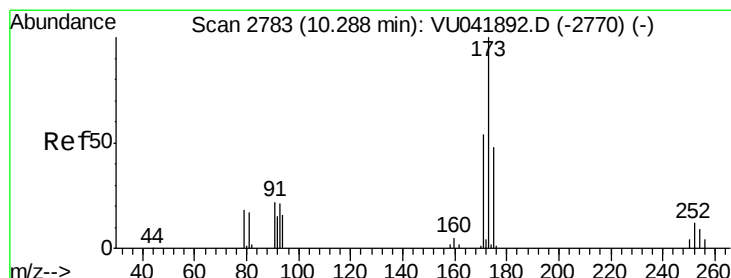
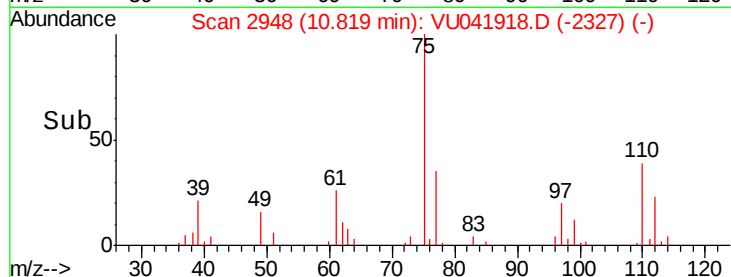
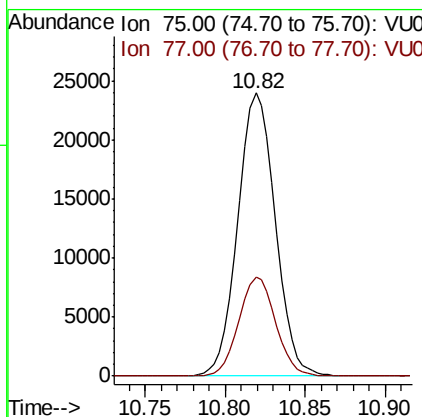
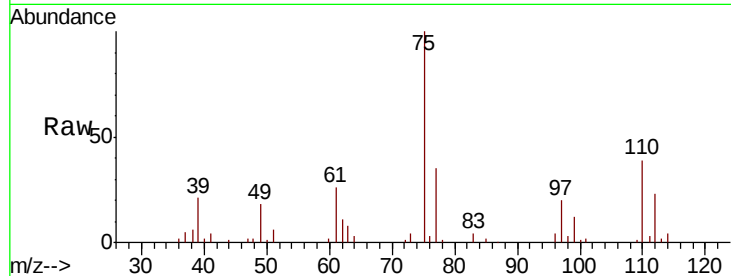




#59
 1,2,3-Trichloropropane
 Concen: 5.531 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

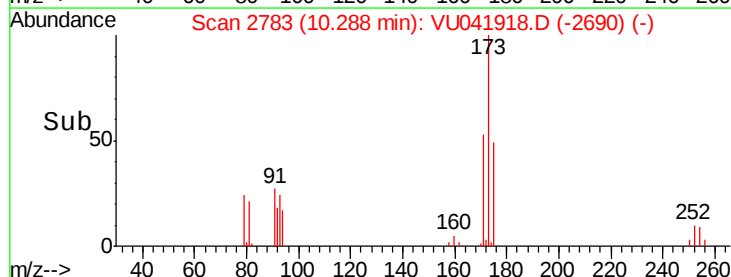
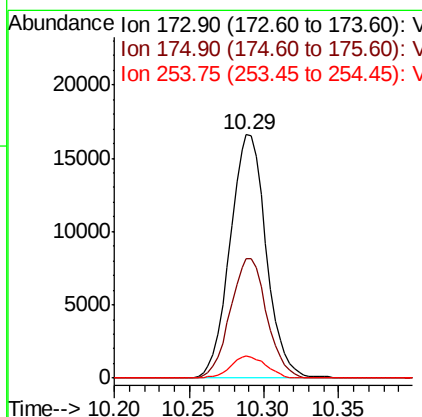
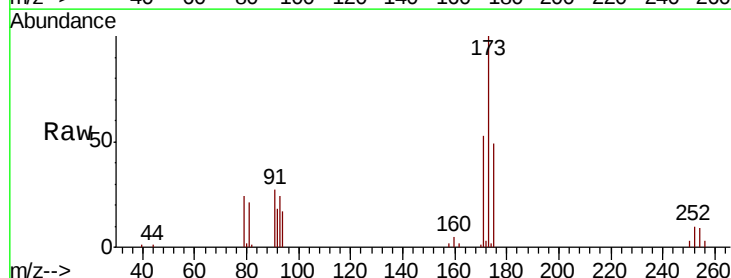
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

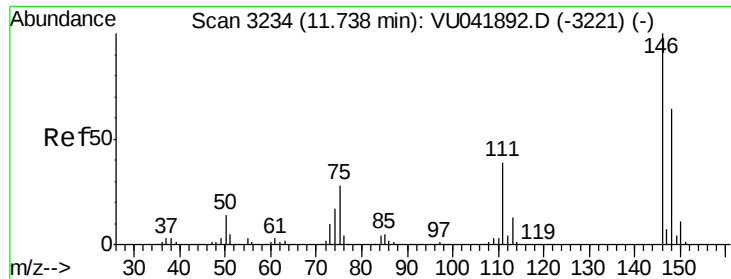
Tot Ion: 75 Resp: 38148
 Ion Ratio Lower Upper
 75 100
 77 34.2 27.0 40.4



#61
 Bromoform
 Concen: 5.485 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Tgt Ion: 173 Resp: 27953
 Ion Ratio Lower Upper
 173 100
 175 49.3 36.1 54.1
 254 8.8 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 5.457 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

VICV01

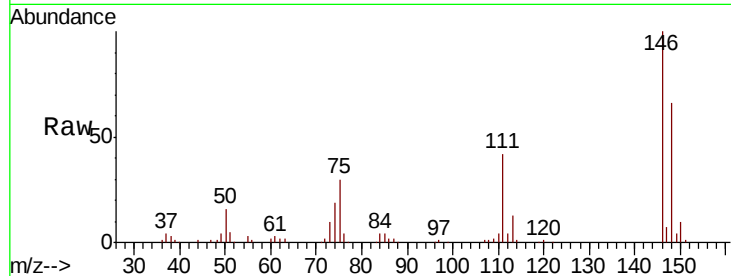
Tot Ion:146 Resp: 104167

Ion Ratio Lower Upper

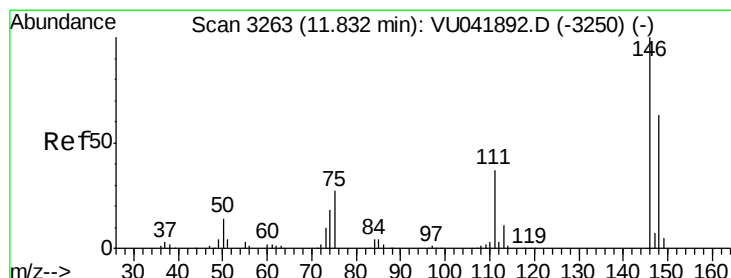
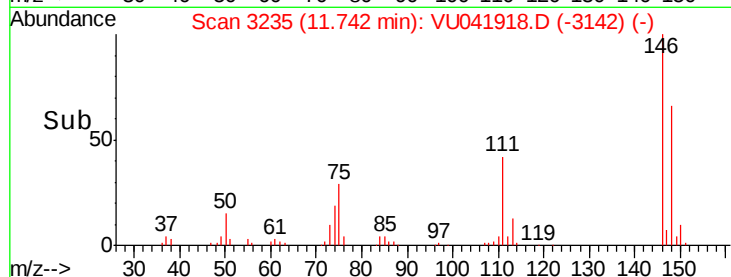
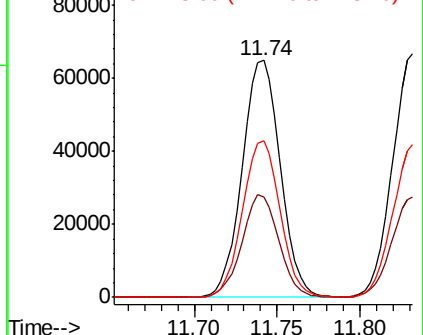
146 100

111 42.5 28.7 53.3

148 66.0 43.2 80.2



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.463 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

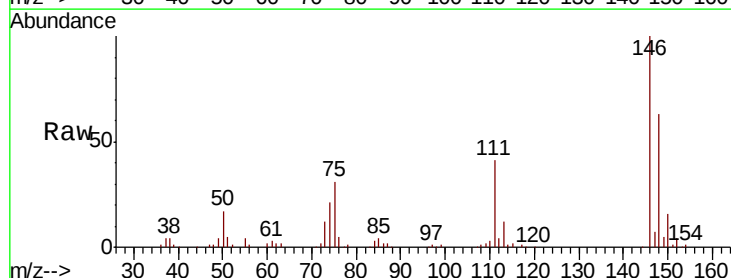
Tgt Ion:146 Resp: 104652

Ion Ratio Lower Upper

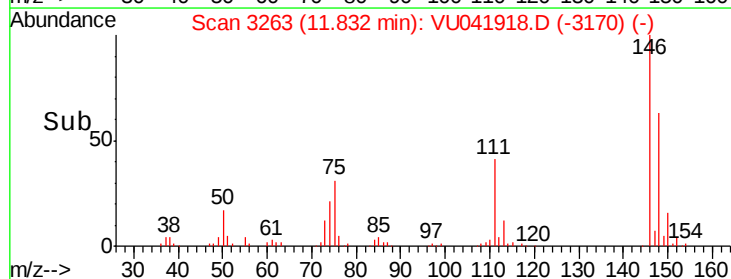
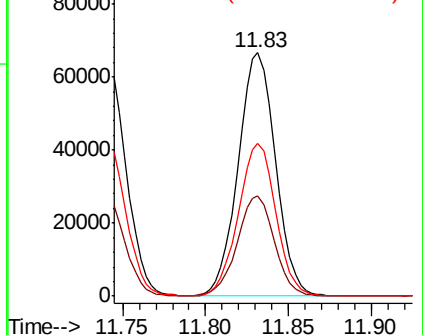
146 100

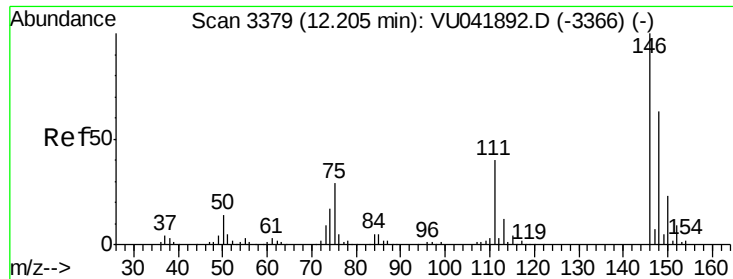
111 41.1 28.4 52.8

148 62.7 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

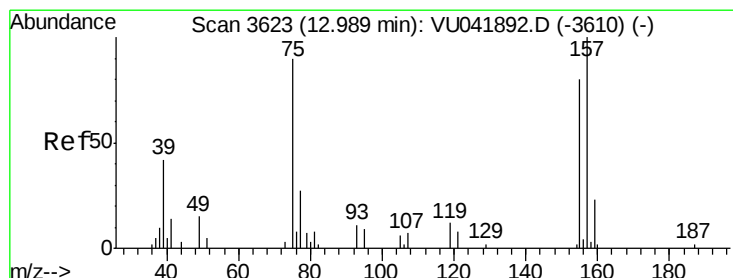
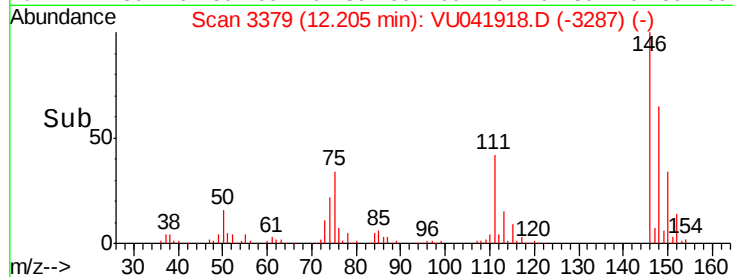
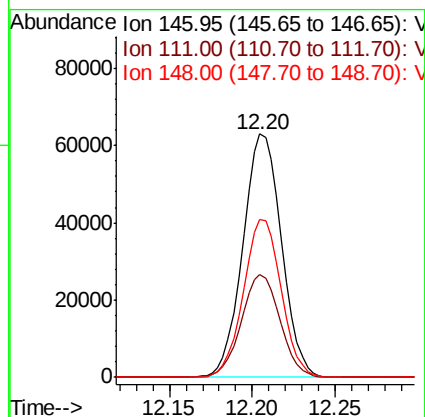
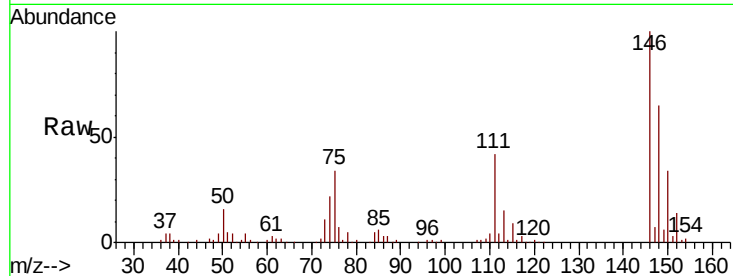




#65
 1,2-Dichlorobenzene
 Concen: 5.554 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

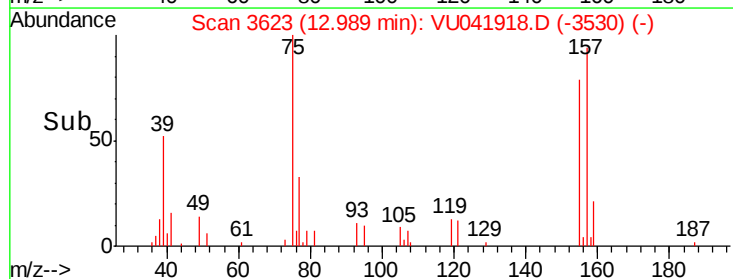
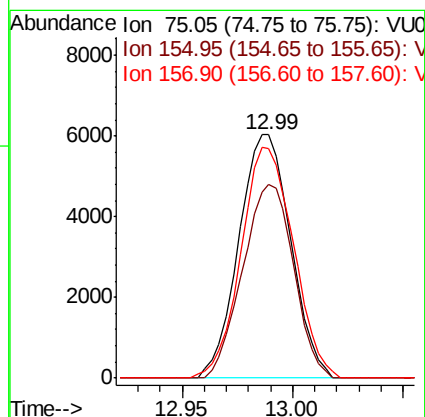
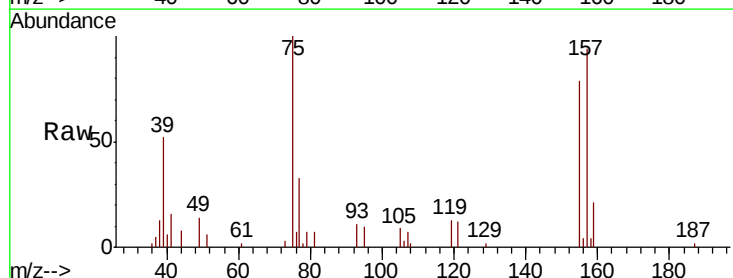
Instrument :
 MSVOA_U
 ClientSampled :
 VICV01

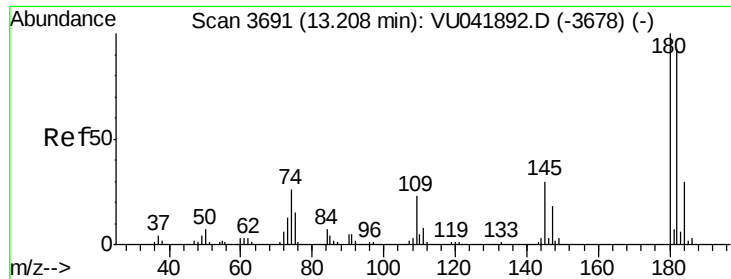
Tot Ion:146 Resp: 102058
 Ion Ratio Lower Upper
 146 100
 111 42.2 32.4 48.6
 148 64.9 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.888 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Tgt Ion: 75 Resp: 9826
 Ion Ratio Lower Upper
 75 100
 155 79.4 60.6 91.0
 157 94.2 81.0 121.6

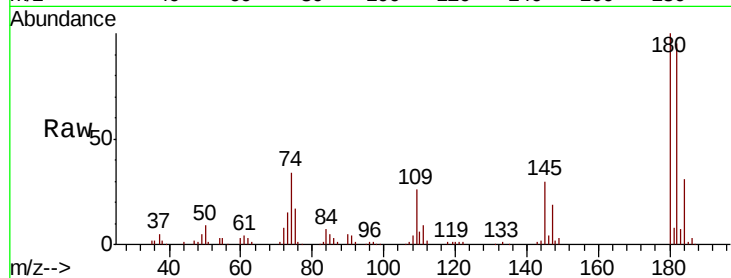




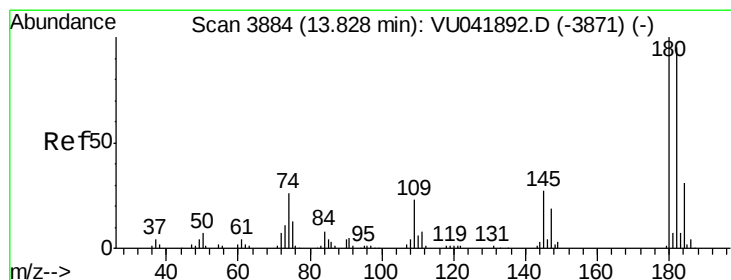
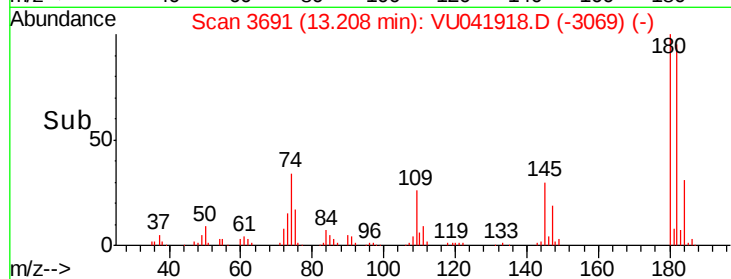
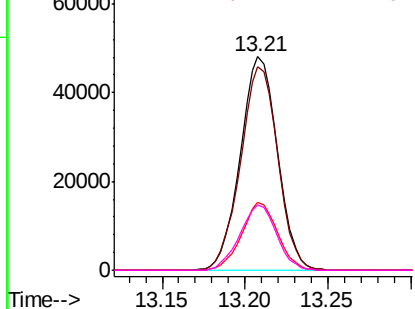
#67
 1,3,5-Trichlorobenzene
 Concen: 5.369 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Tot Ion:180 Resp: 74821
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.6 111.8
 184 30.5 23.8 35.6
 145 30.4 24.6 37.0

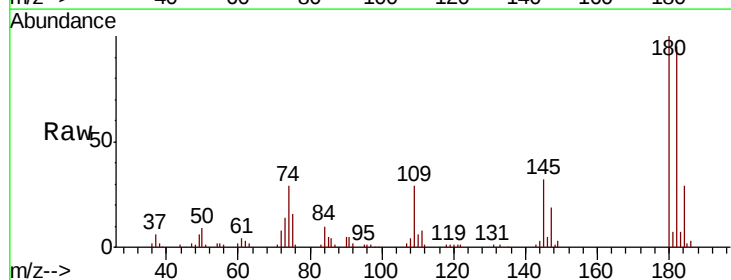


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

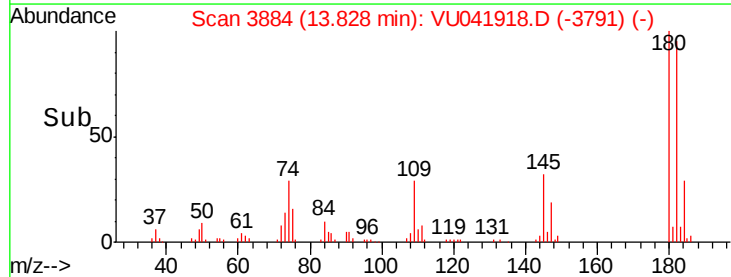
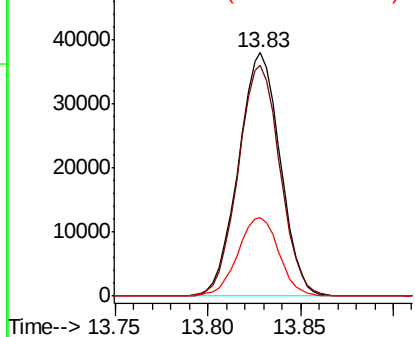


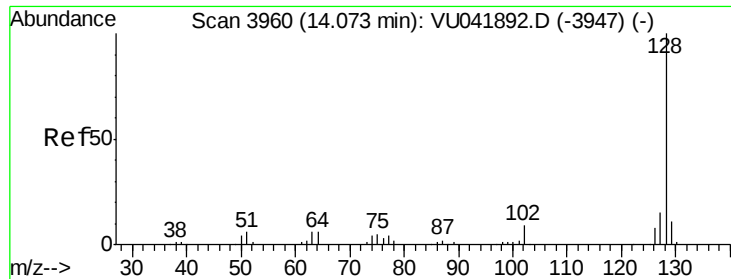
#68
 1,2,4-trichlorobenzene
 Concen: 5.656 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041918.D
 Acq: 11 Jan 2021 13:53

Tgt Ion:180 Resp: 59415
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.2 115.8
 145 31.8 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.191 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

Instrument :

MSVOA_U

ClientSampleId :

VICV01

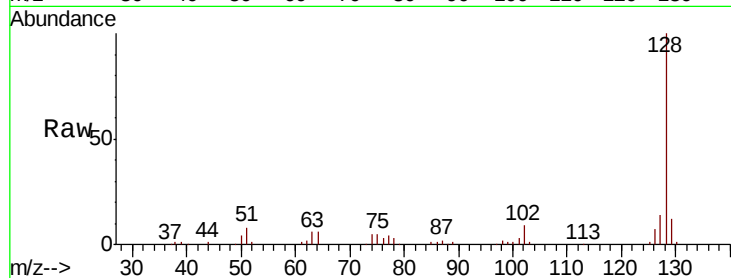
Tot Ion:128 Resp: 110273

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

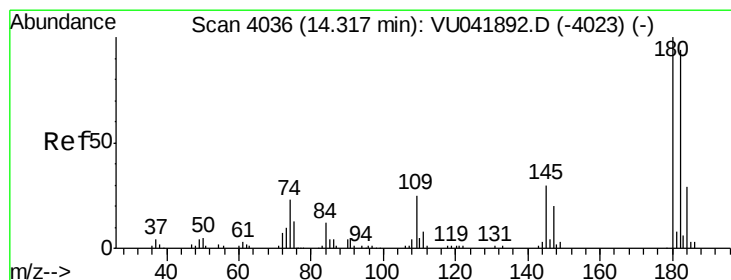
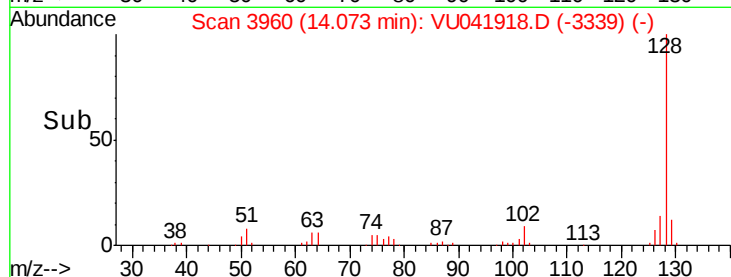
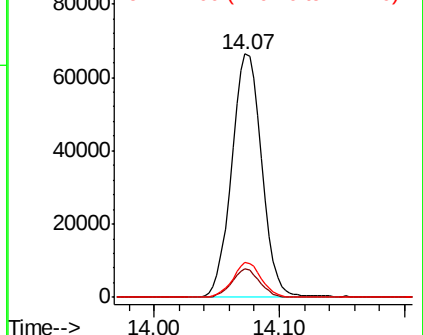
127 13.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.811 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041918.D

Acq: 11 Jan 2021 13:53

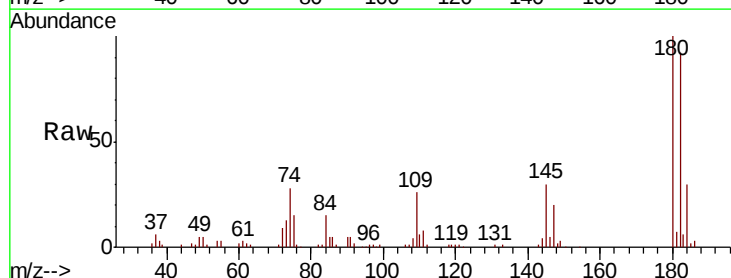
Tgt Ion:180 Resp: 57713

Ion Ratio Lower Upper

180 100

182 94.0 77.0 115.4

145 32.2 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

