

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
 Data File : VU041473.D
 Acq On : 04 Dec 2020 16:14
 Operator : SY/MD
 Sample : L4944-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP9

Quant Time: Dec 05 05:26:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 05:22:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53107	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	48408	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25961	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	12075	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.92	69	11581	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	23212	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.66	46	50375	49.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.50%
24) Chloroform-d	5.08	84	36726	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	24797	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.74	84	56082	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.70	67	15989	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.90	98	53071	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.19	79	10210	5.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.20%
46) 2-Hexanone-d5	8.64	63	41562	53.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	17547	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	22601	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.96	64	158	0.067	ug/L #	45
9) Trichlorofluoromethane	2.15	101	117206	14.519	ug/L	99
21) 2-Butanone	4.83	43	100413	100.774	ug/L #	43
22) cis-1,2-Dichloroethene	4.68	96	2354	0.676	ug/L	99
25) Chloroform	5.11	83	1308	0.177	ug/L	96
27) 1,2-Dichloroethane	5.74	62	424	0.073	ug/L #	79
31) Carbon tetrachloride	5.54	117	2409	0.375	ug/L	89
34) Trichloroethene	6.55	95	29838	8.251	ug/L	97
35) Methylcyclohexane	6.70	83	4618	0.936	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2426	0.864	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	680	0.134	ug/L	86
44) trans-1,3-Dichloropropene	8.18	75	351	0.069	ug/L #	74
45) 1,1,2-Trichloroethane	8.41	97	270	0.100	ug/L #	69
47) Tetrachloroethene	8.56	164	152401	53.356	ug/L	98
48) 2-Hexanone	8.64	43	6317	3.495	ug/L #	73
49) Dibromochloromethane	8.56	129	147915	40.094	ug/L #	12
51) Chlorobenzene	9.44	112	430	0.048	ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 05 05:22:35 2020
Response via : Initial Calibration

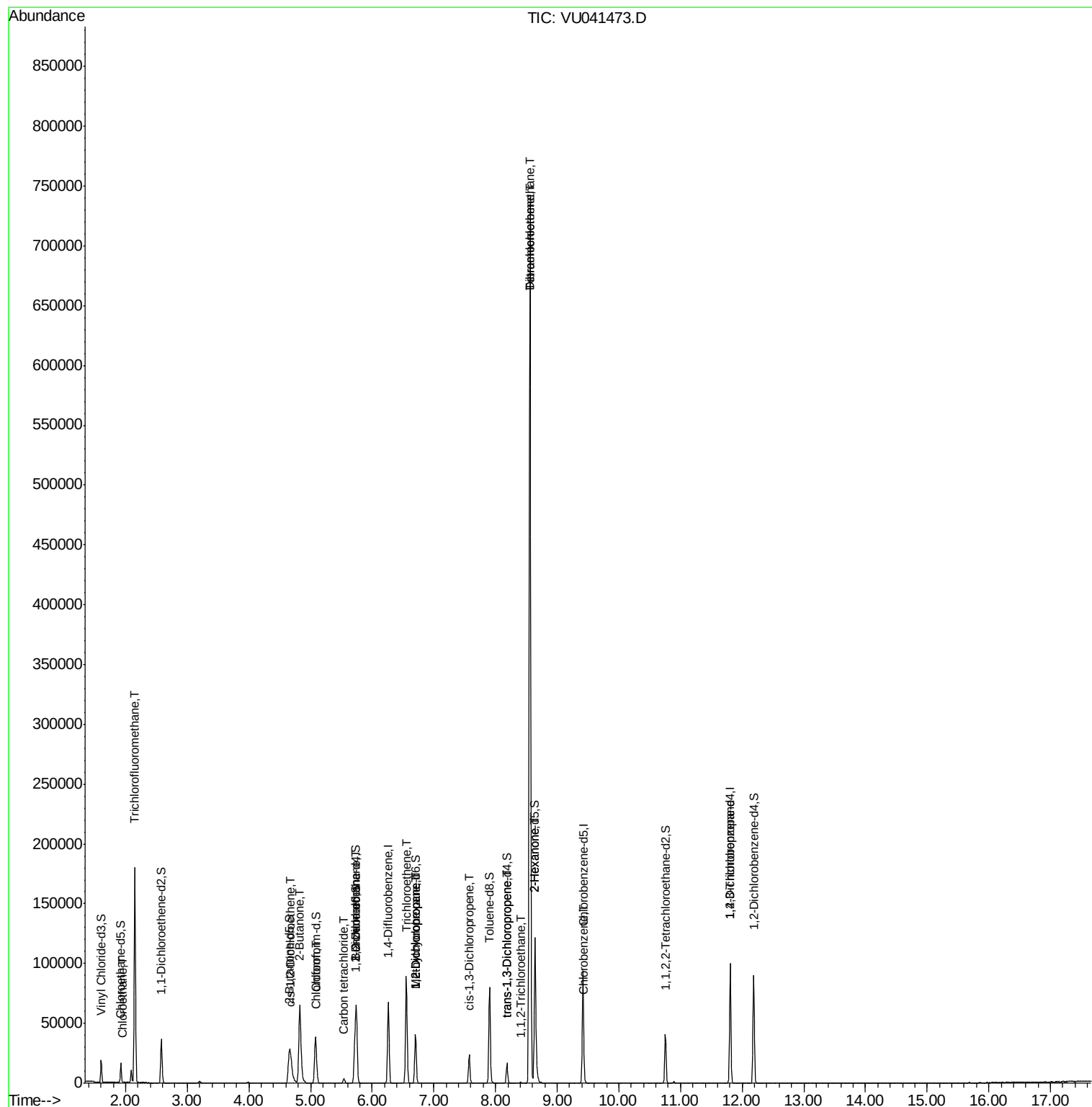
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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59) 1,2,3-Trichloropropane	11.80	75	2495	0.916	ug/L #	82
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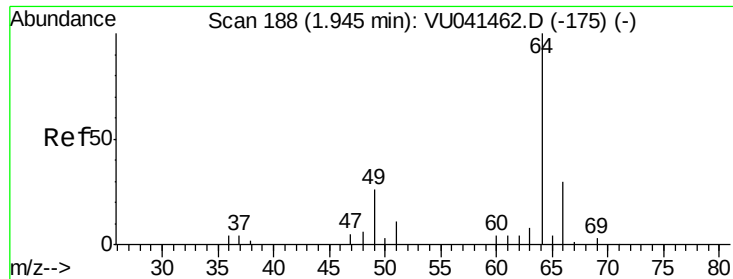
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.067 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.02 min

Lab File: VU041473.D

Acq: 04 Dec 2020 16:14

Instrument :

MSVOA_U

ClientSampleId :

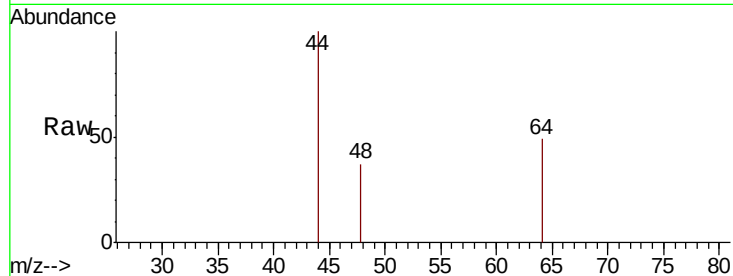
C0AP9

Tot Ion: 64 Resp: 158

Ion Ratio Lower Upper

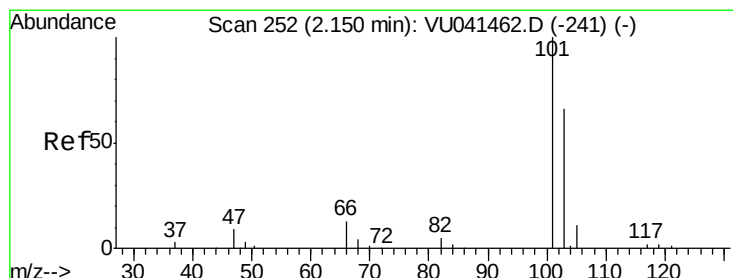
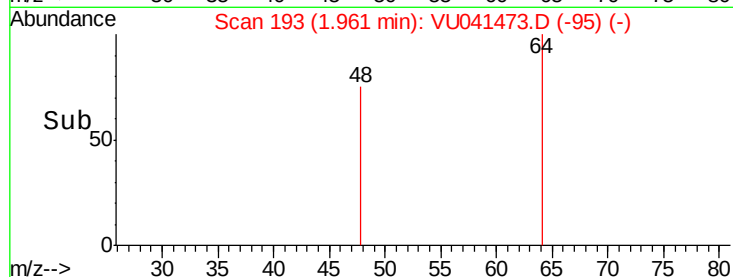
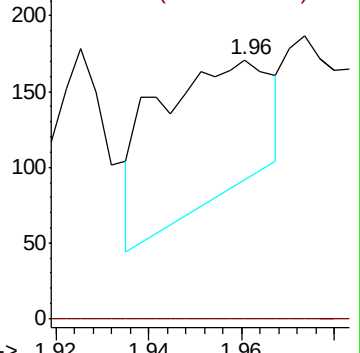
64 100

66 0.0 20.9 38.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 14.519 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041473.D

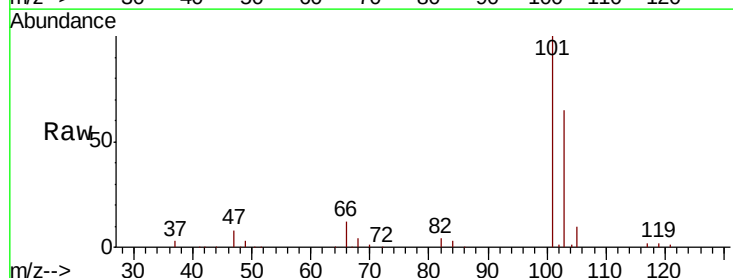
Acq: 04 Dec 2020 16:14

Tgt Ion:101 Resp: 117206

Ion Ratio Lower Upper

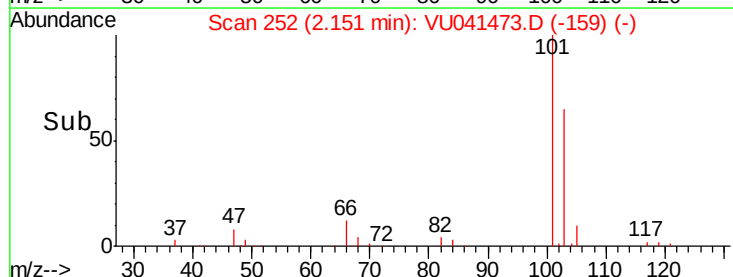
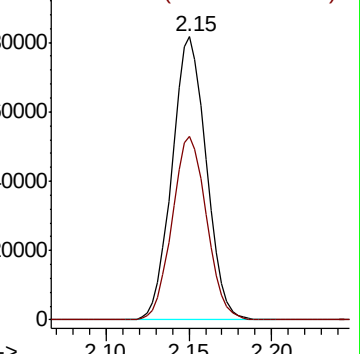
101 100

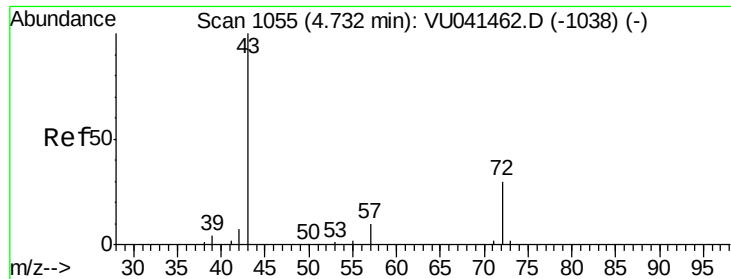
103 65.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#21

2-Butanone

Concen: 100.774 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU041473.D

Acq: 04 Dec 2020 16:14

Instrument :

MSVOA_U

ClientSampleId :

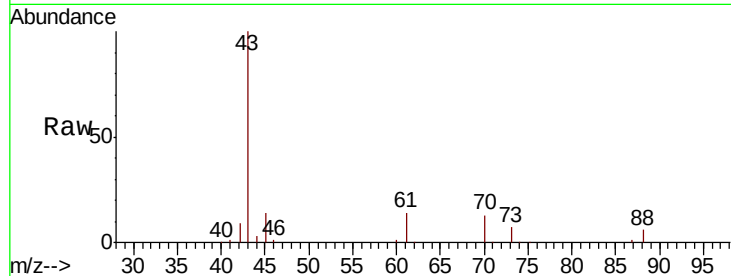
C0AP9

Tot Ion: 43 Resp: 100413

Ion Ratio Lower Upper

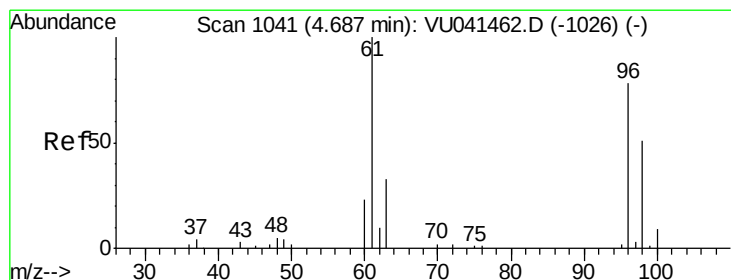
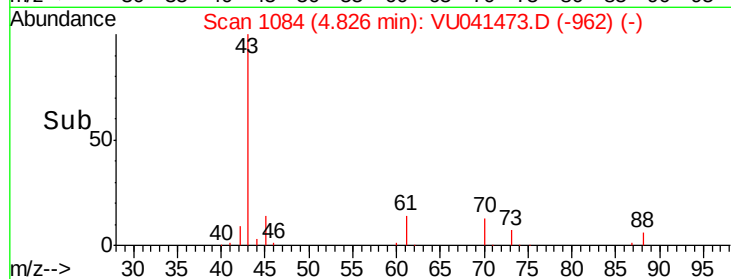
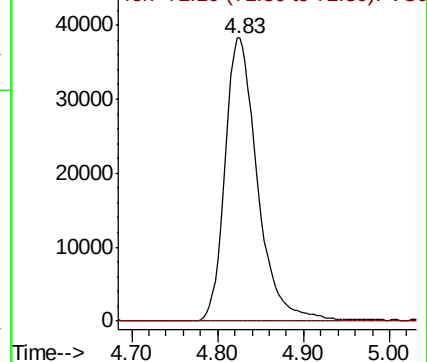
43 100

72 0.0 15.7 47.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.676 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU041473.D

Acq: 04 Dec 2020 16:14

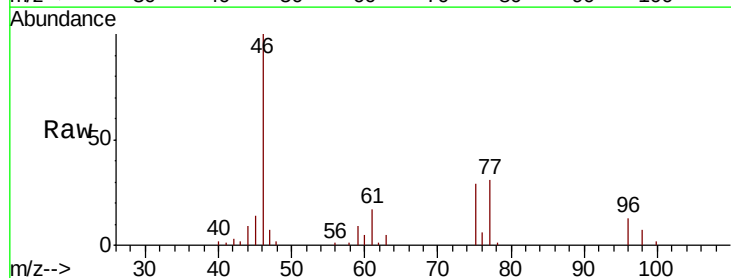
Tgt Ion: 96 Resp: 2354

Ion Ratio Lower Upper

96 100

61 130.1 90.5 168.1

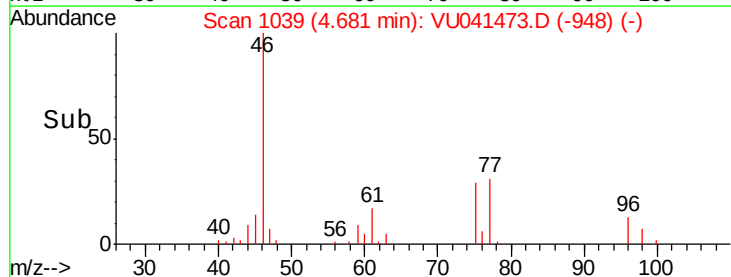
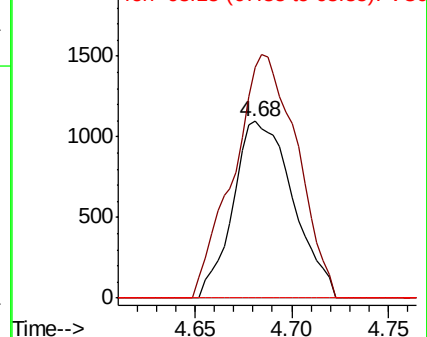
68 0.0 0.0 0.0

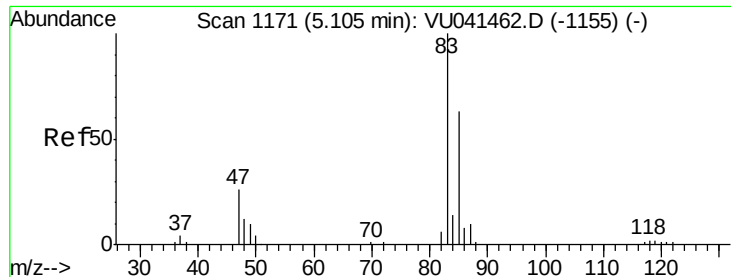


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

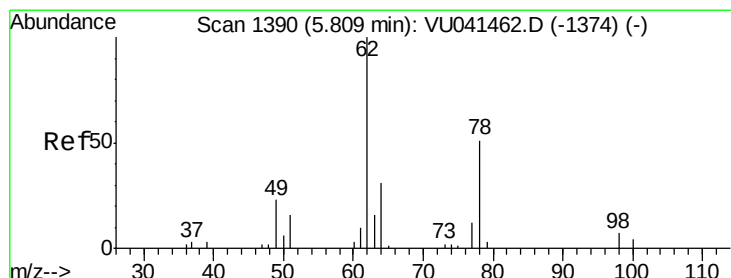
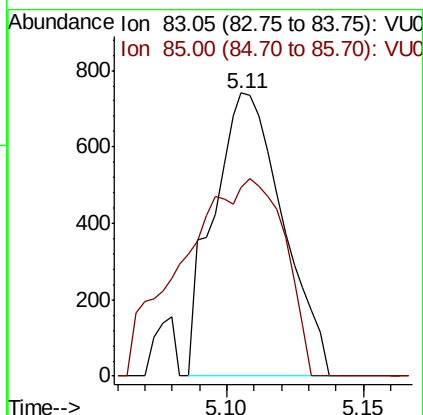
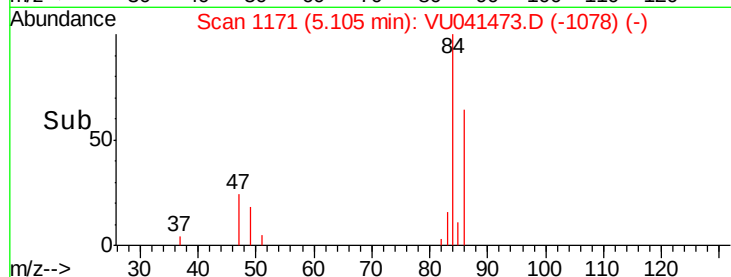
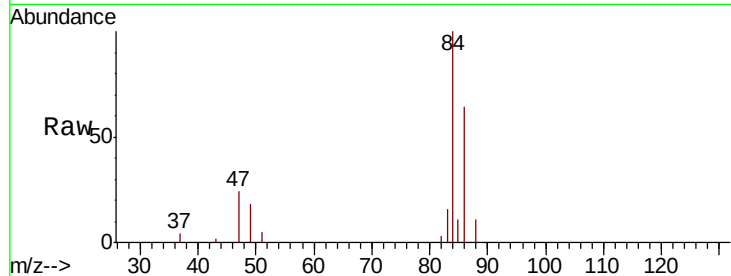




#25
Chloroform
Concen: 0.177 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

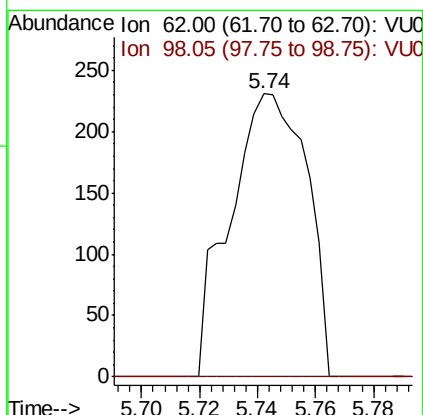
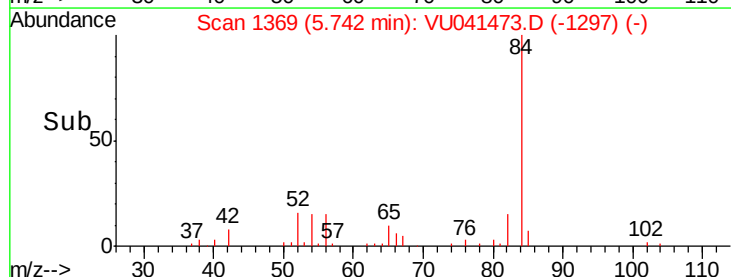
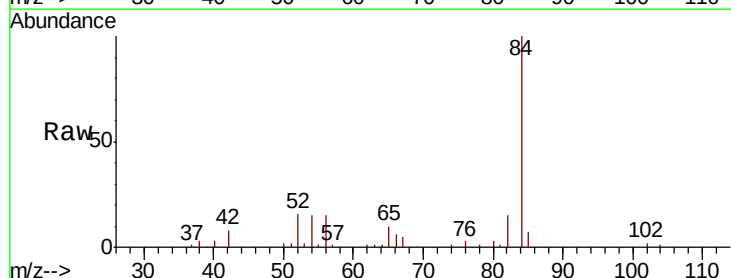
Instrument :
MSVOA_U
ClientSampleId :
C0AP9

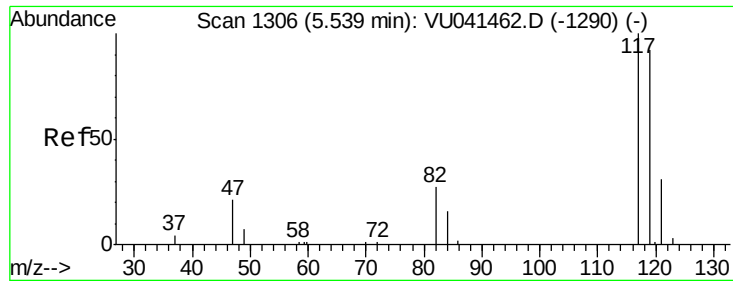
Tot Ion: 83 Resp: 1308
Ion Ratio Lower Upper
83 100
85 66.7 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.073 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

Tgt Ion: 62 Resp: 424
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#31

Carbon tetrachloride

Concen: 0.375 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041473.D

Acq: 04 Dec 2020 16:14

Instrument :

MSVOA_U

ClientSampleId :

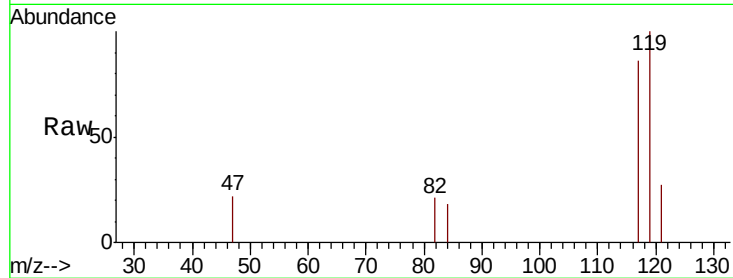
C0AP9

Tot Ion:117 Resp: 2409

Ion Ratio Lower Upper

117 100

119 107.6 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

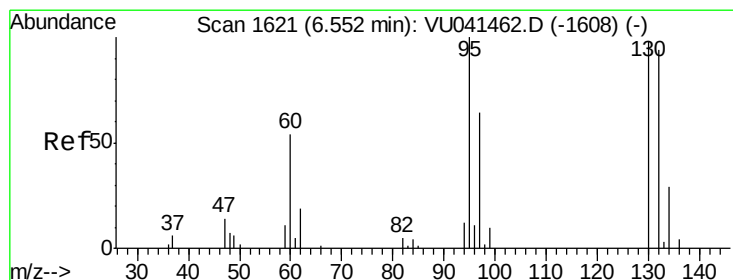
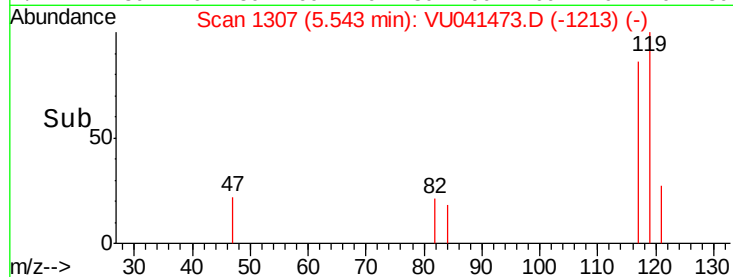
5.54

1000

500

0

Time-->



#34

Trichloroethene

Concen: 8.251 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041473.D

Acq: 04 Dec 2020 16:14

Tgt Ion: 95 Resp: 29838

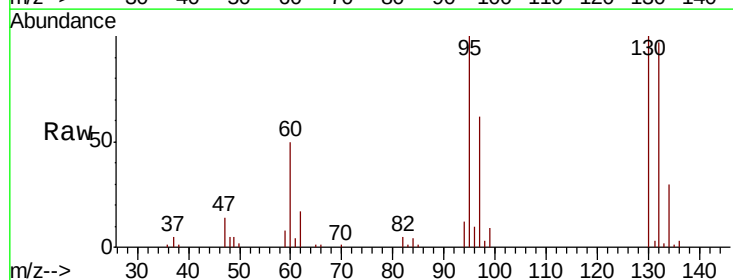
Ion Ratio Lower Upper

95 100

97 62.1 44.7 83.1

132 96.9 65.7 121.9

130 100.4 68.8 127.8



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

25000

20000

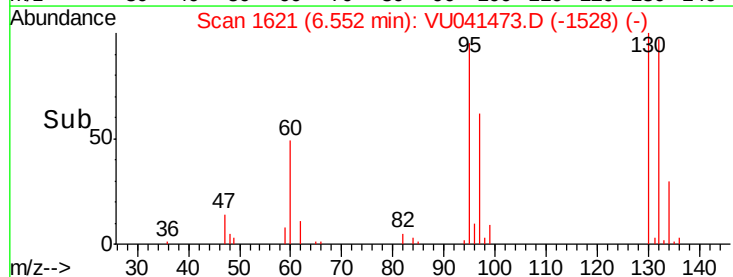
15000

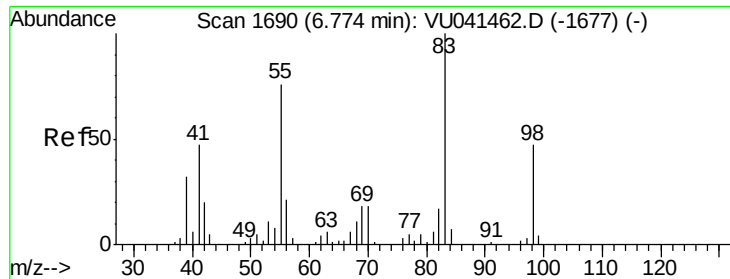
10000

5000

0

Time-->

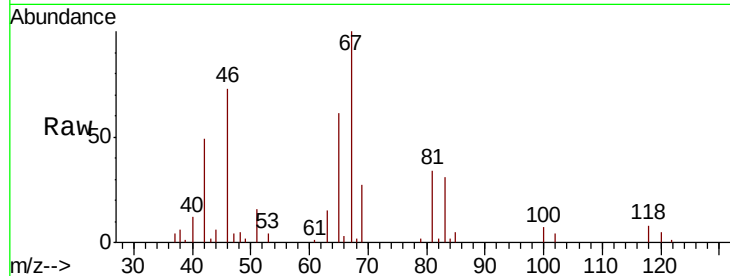




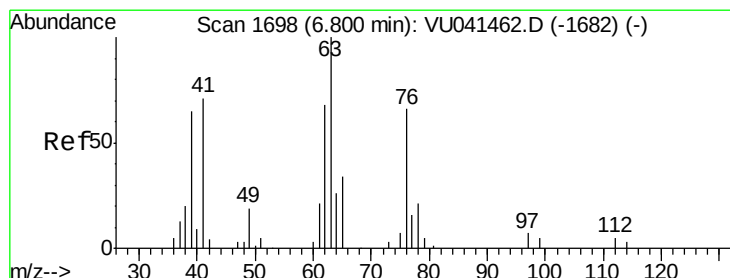
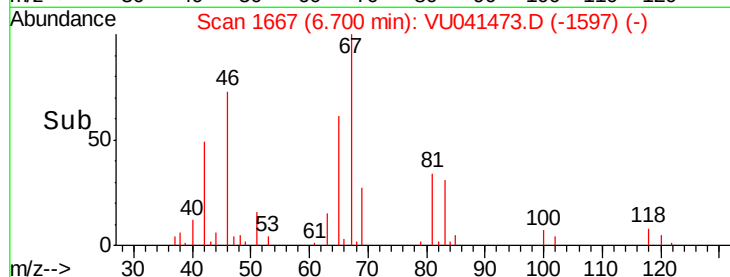
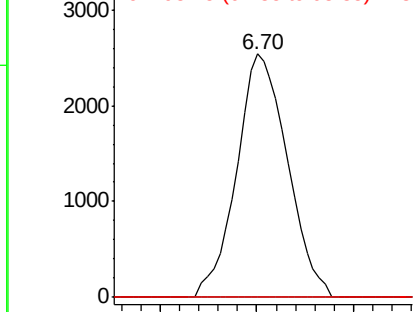
#35
Methylcyclohexane
Concen: 0.936 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

Instrument :
MSVOA_U
ClientSampleId :
C0AP9

Tot Ion: 83 Resp: 4618
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#

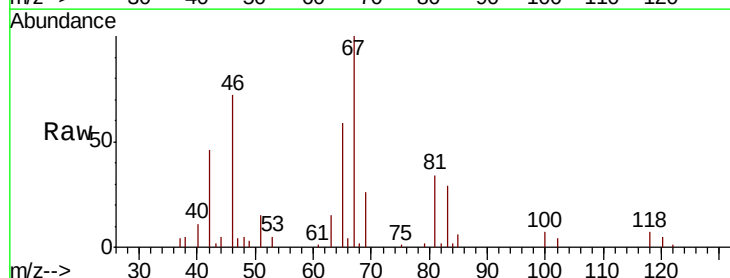


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

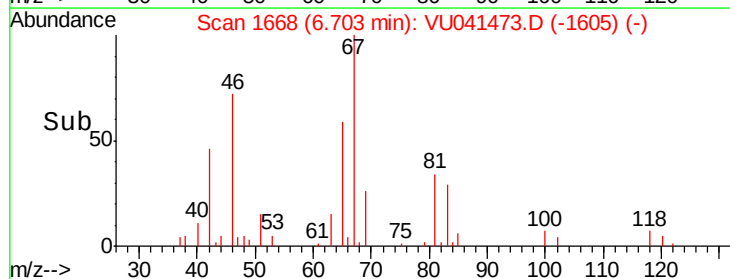
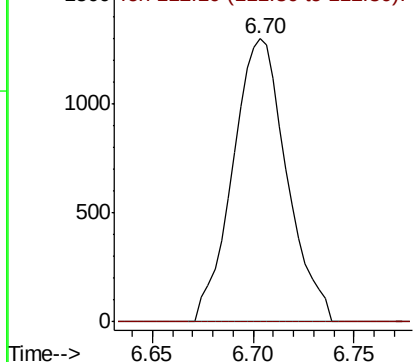


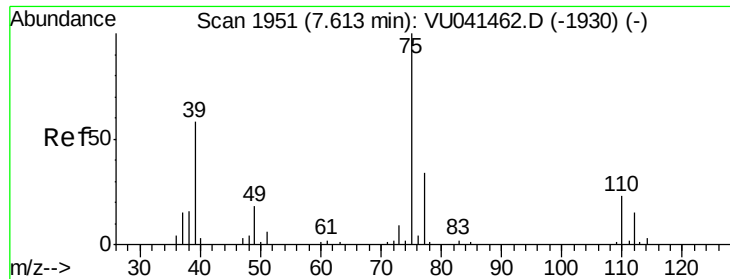
#37
1,2-Dichloropropane
Concen: 0.864 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

Tgt Ion: 63 Resp: 2426
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



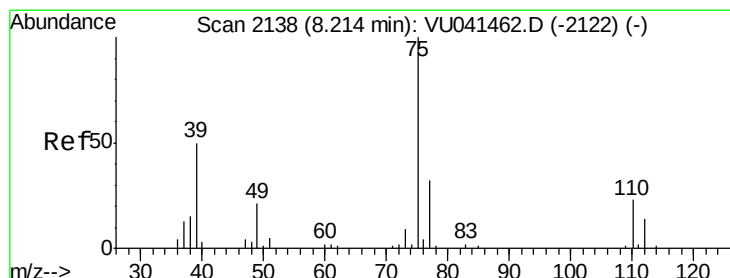
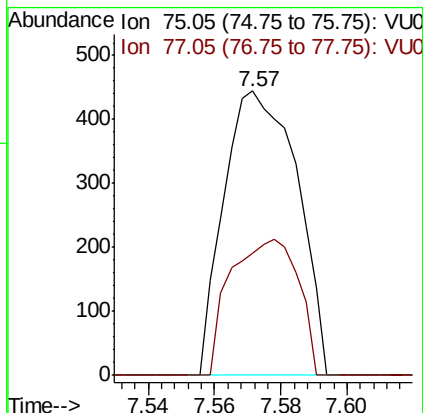
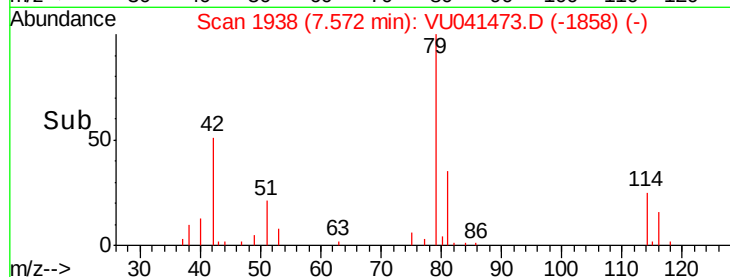
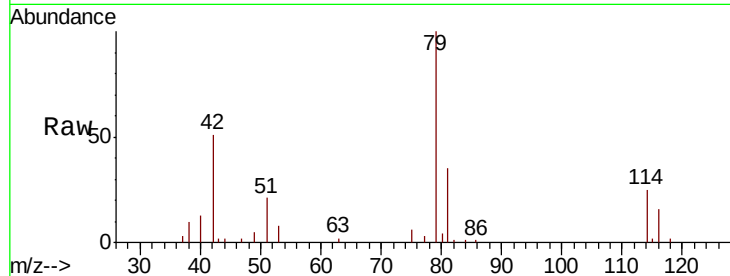


#39

cis-1,3-Dichloropropene
Concen: 0.134 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

Instrument :
MSVOA_U
ClientSampled :
C0AP9

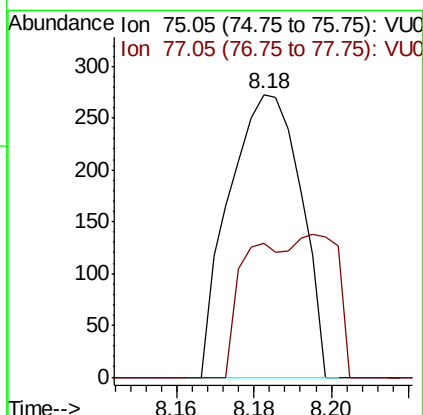
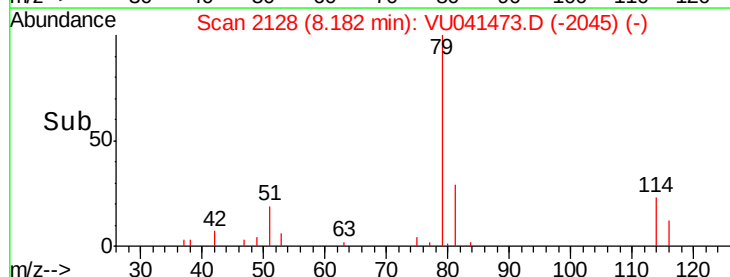
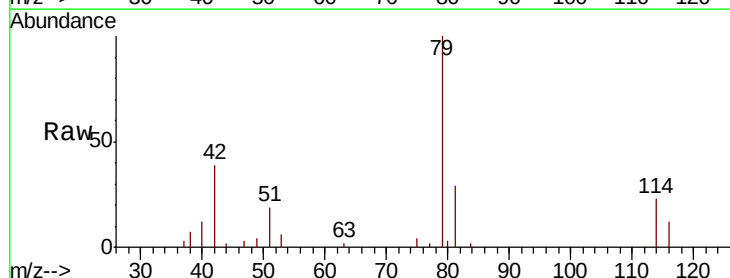
Tot Ion: 75 Resp: 680
Ion Ratio Lower Upper
75 100
77 42.6 24.0 44.6

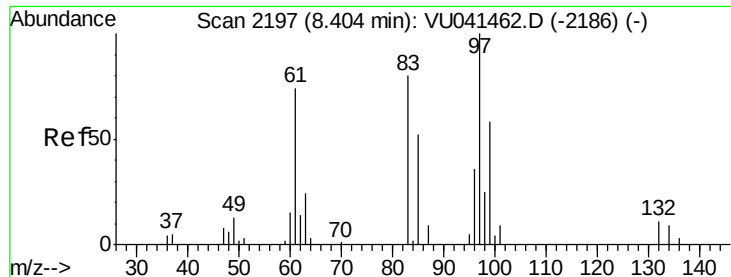


#44

trans-1,3-Dichloropropene
Concen: 0.069 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

Tgt Ion: 75 Resp: 351
Ion Ratio Lower Upper
75 100
77 47.3 22.7 42.3#

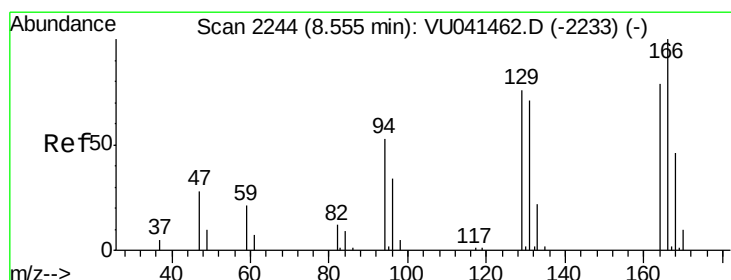
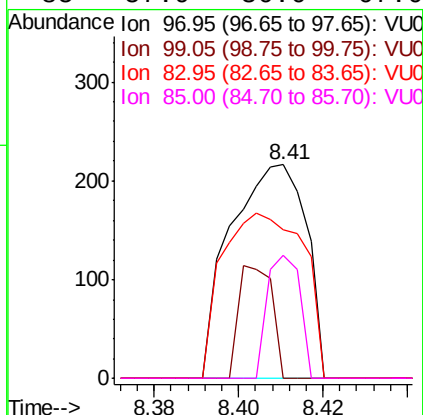
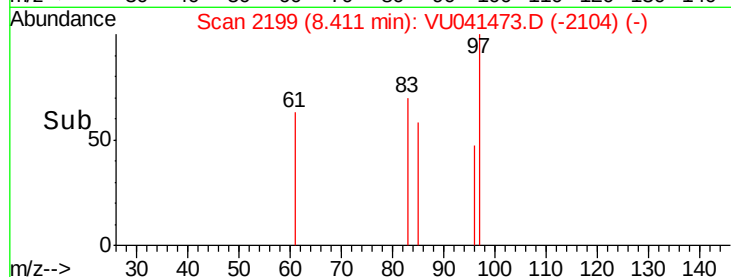
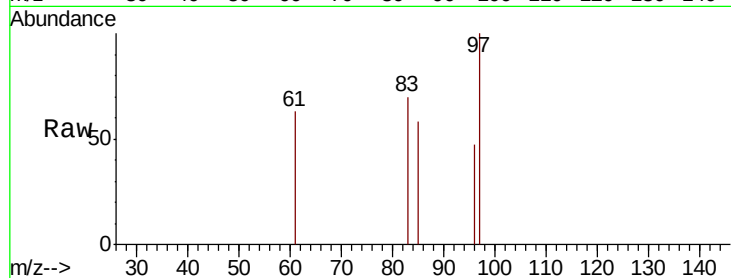




#45
1,1,2-Trichloroethane
Concen: 0.100 ug/L
RT: 8.41 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

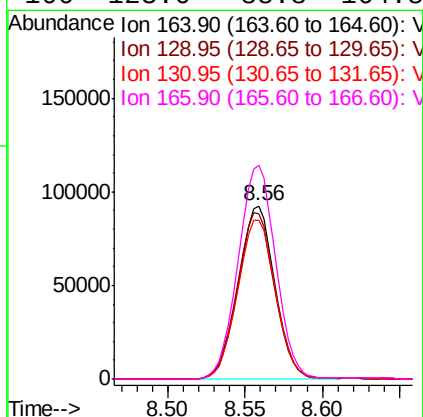
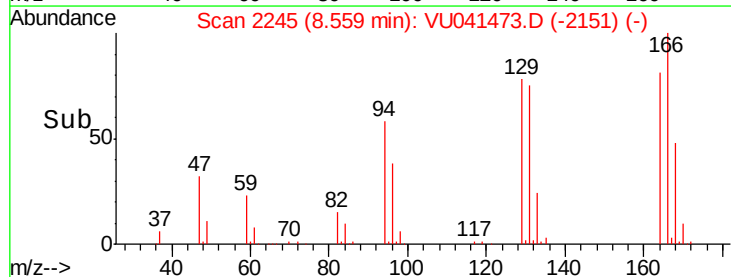
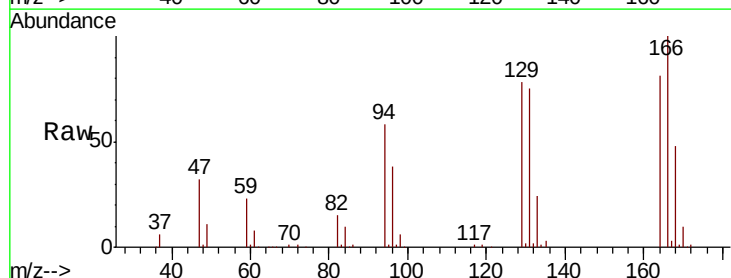
Instrument :
MSVOA_U
ClientSampleId :
C0AP9

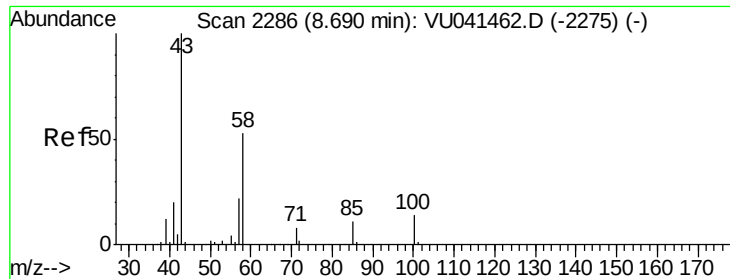
Tot Ion: 97 Resp: 270
Ion Ratio Lower Upper
97 100
99 0.0 40.7 75.7#
83 69.9 56.2 104.4
85 57.9 36.0 67.0



#47
Tetrachloroethene
Concen: 53.356 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

Tgt Ion: 164 Resp: 152401
Ion Ratio Lower Upper
164 100
129 95.9 67.1 124.7
131 92.2 63.3 117.7
166 123.6 88.8 164.8

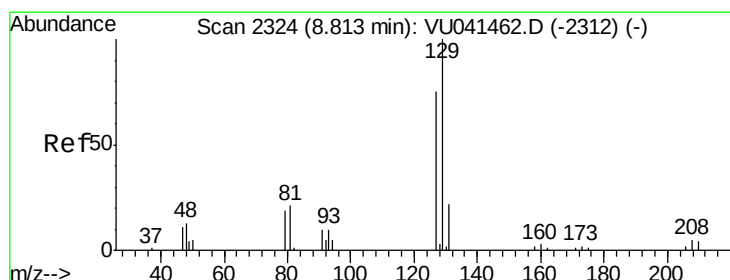
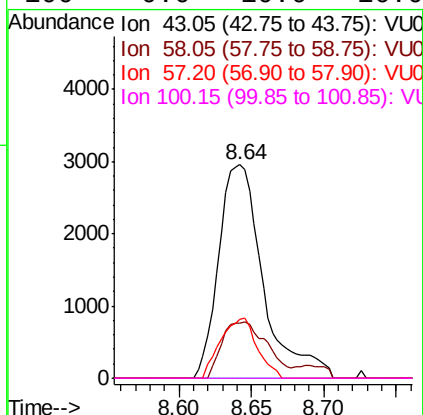
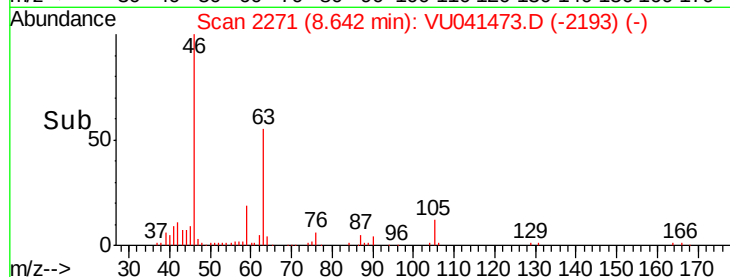
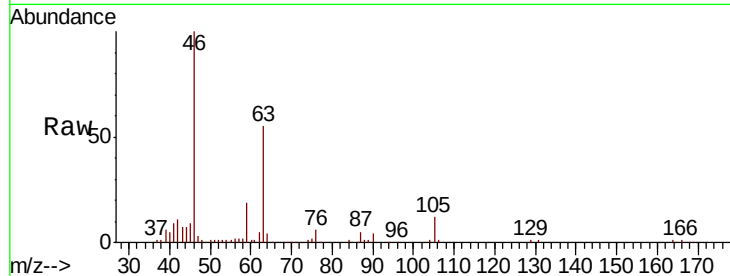




#48
2-Hexanone
Concen: 3.495 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

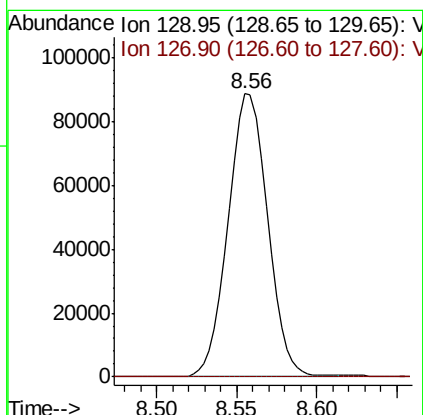
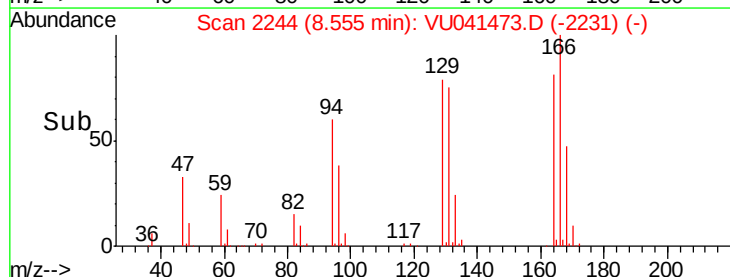
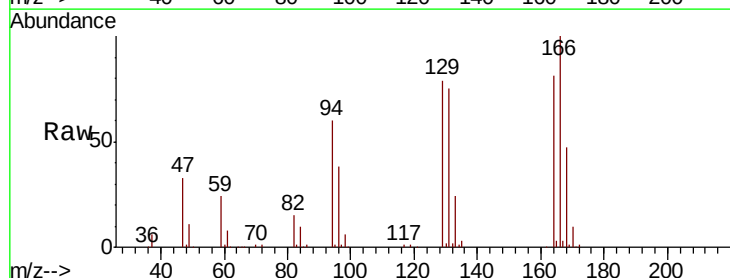
Instrument :
MSVOA_U
ClientSampleId :
C0AP9

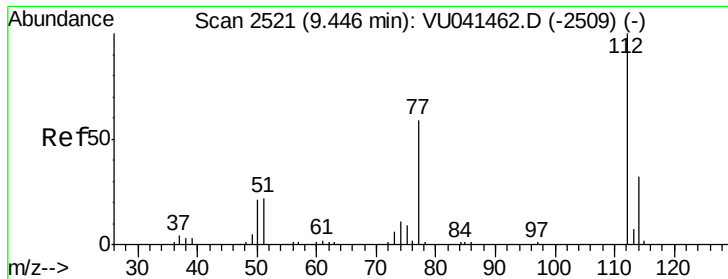
Tot Ion: 43 Resp: 6317
Ion Ratio Lower Upper
43 100
58 26.9 41.4 62.0#
57 23.1 17.1 25.7
100 0.0 10.6 16.0#



#49
Dibromochloromethane
Concen: 40.094 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041473.D
Acq: 04 Dec 2020 16:14

Tgt Ion: 129 Resp: 147915
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.2#





#51

Chlorobenzene

Concen: 0.048 ug/L

RT: 9.44 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VU041473.D

Acq: 04 Dec 2020 16:14

Instrument :

MSVOA_U

ClientSampleId :

C0AP9

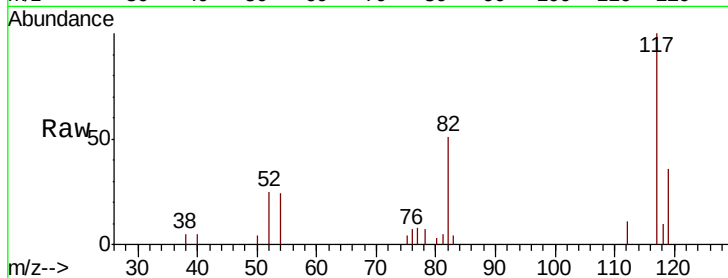
Tot Ion:112 Resp: 430

Ion Ratio Lower Upper

112 100

114 0.0 22.7 42.1#

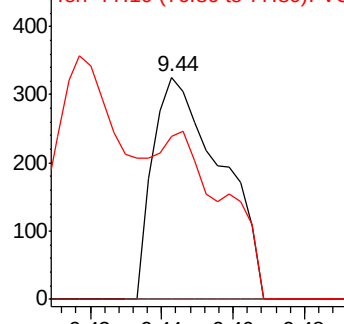
77 73.3 48.2 72.2#



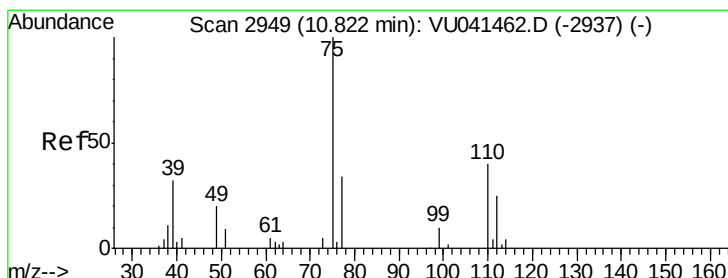
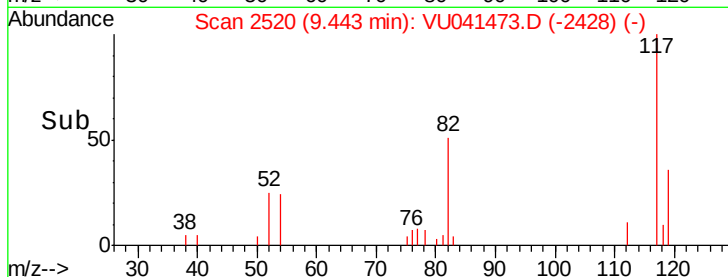
Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



Time-->



#59

1,2,3-Trichloropropane

Concen: 0.916 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU041473.D

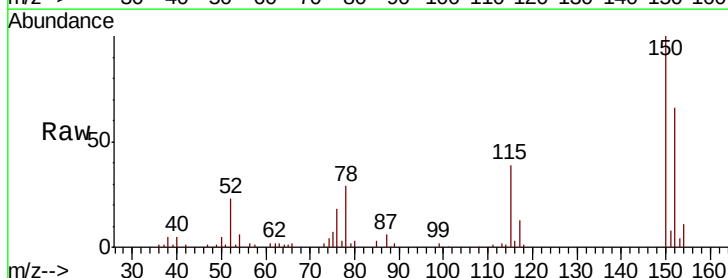
Acq: 04 Dec 2020 16:14

Tgt Ion: 75 Resp: 2495

Ion Ratio Lower Upper

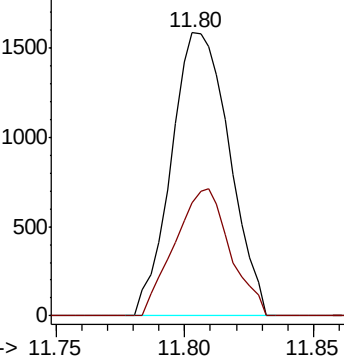
75 100

77 42.8 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU



Time-->

