

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041487.D
 Acq On : 07 Dec 2020 12:39
 Operator : SY/MD
 Sample : L4944-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP7

Quant Time: Dec 08 04:33:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 08 04:32:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50412	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	47848	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24080	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	10254	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.92	69	10109	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.58	63	20387	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.65	46	48124	49.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.12%
24) Chloroform-d	5.08	84	35091	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.72	65	24649	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.74	84	52414	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.70	67	15039	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.91	98	47317	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.19	79	9482	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.64	63	37352	48.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	15182	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	21553	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
8) Chloroethane	1.96	64	132	0.059 ug/L #	45
9) Trichlorofluoromethane	2.15	101	90487	11.809 ug/L	100
22) cis-1,2-Dichloroethene	4.68	96	3869	1.171 ug/L	98
25) Chloroform	5.11	83	1084	0.155 ug/L	97
27) 1,2-Dichloroethane	5.74	62	432	0.079 ug/L #	79
31) Carbon tetrachloride	5.54	117	1983	0.312 ug/L	94
33) Benzene	5.74	78	470	0.040 ug/L	100
34) Trichloroethene	6.55	95	42612	11.921 ug/L	97
35) Methylcyclohexane	6.70	83	4417	0.906 ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2298	0.828 ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	601	0.120 ug/L	83
44) trans-1,3-Dichloropropene	8.19	75	400	0.080 ug/L #	42
45) 1,1,2-Trichloroethane	8.40	97	268	0.100 ug/L #	64
47) Tetrachloroethene	8.56	164	65669	23.260 ug/L	96
48) 2-Hexanone	8.64	43	5687	3.183 ug/L #	70
49) Dibromochloromethane	8.56	129	64558	17.704 ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	2553	0.948 ug/L #	79

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 08 04:32:02 2020
Response via : Initial Calibration

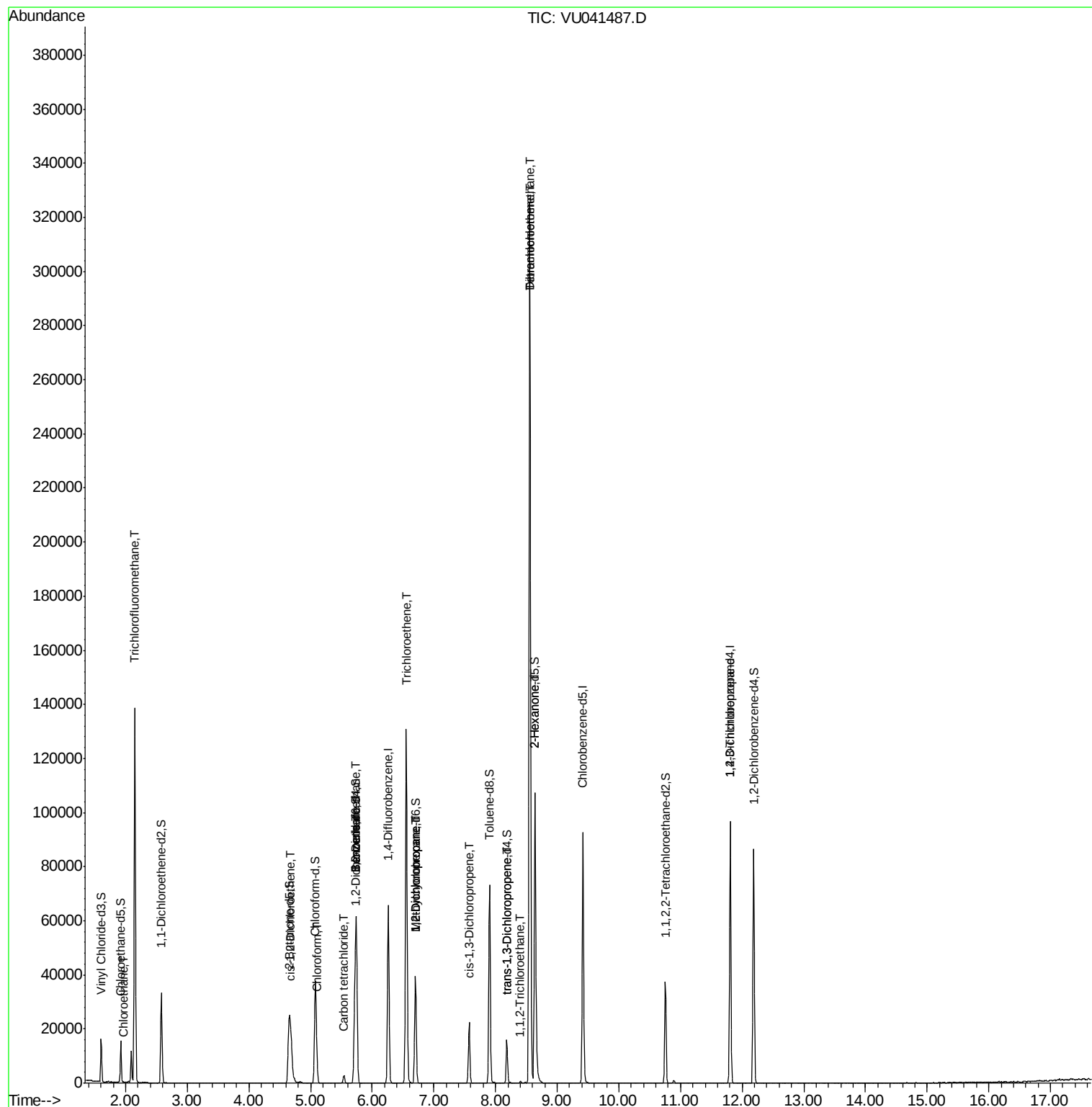
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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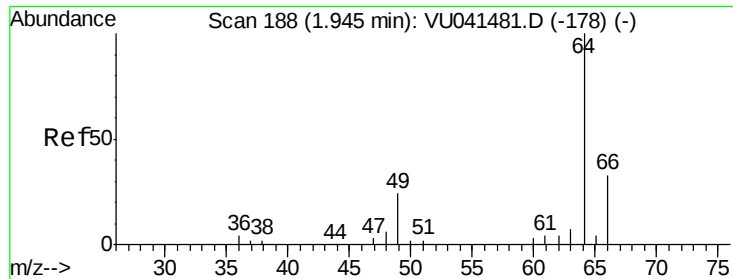
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.059 ug/L

RT: 1.96 min Scan# 194

Delta R.T. 0.02 min

Lab File: VU041487.D

Acq: 07 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

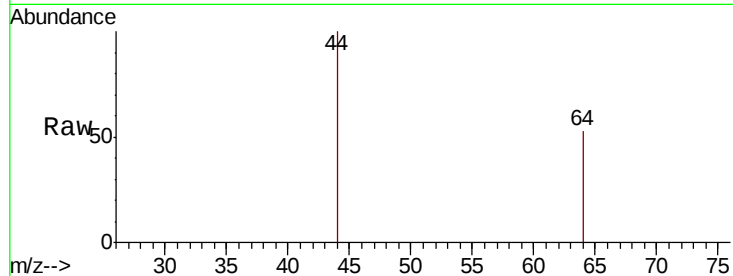
C0AP7

Tot Ion: 64 Resp: 132

Ion Ratio Lower Upper

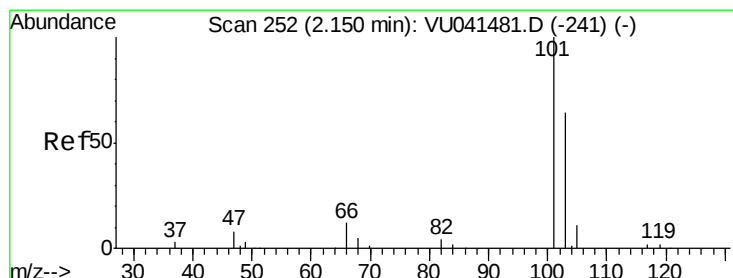
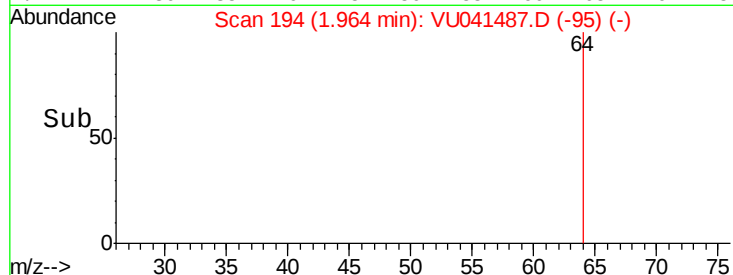
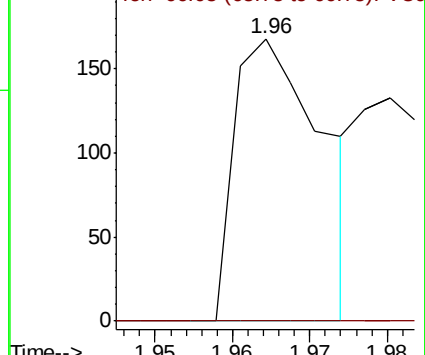
64 100

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: 11.809 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041487.D

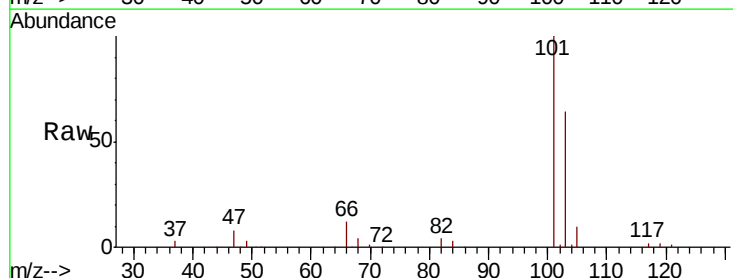
Acq: 07 Dec 2020 12:39

Tgt Ion:101 Resp: 90487

Ion Ratio Lower Upper

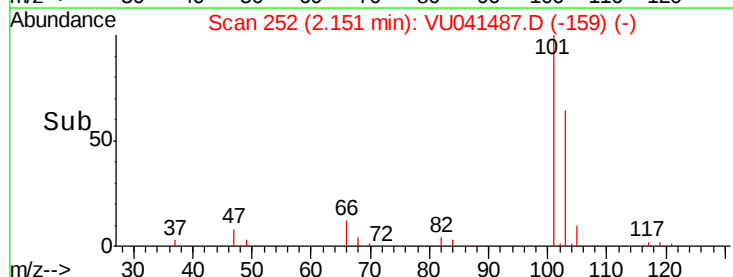
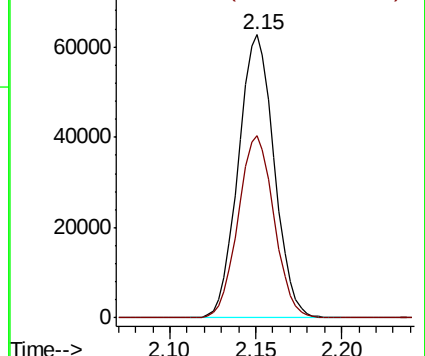
101 100

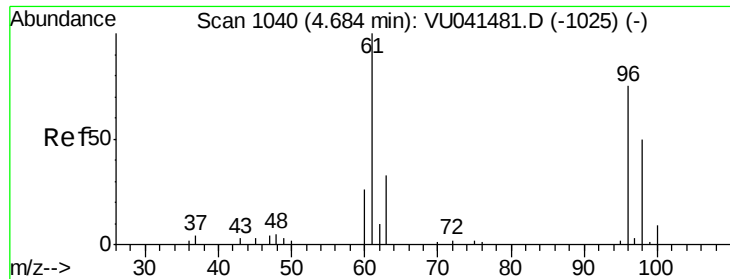
103 64.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#22

cis-1,2-Dichloroethene

Concen: 1.171 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041487.D

Acq: 07 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

C0AP7

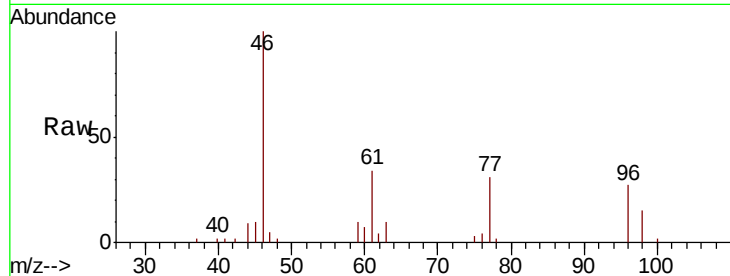
Tot Ion: 96 Resp: 3869

Ion Ratio Lower Upper

96 100

61 127.1 90.5 168.1

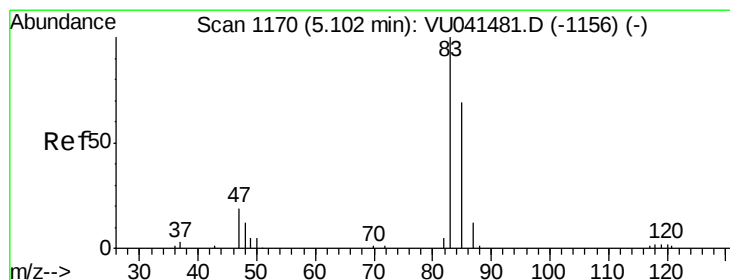
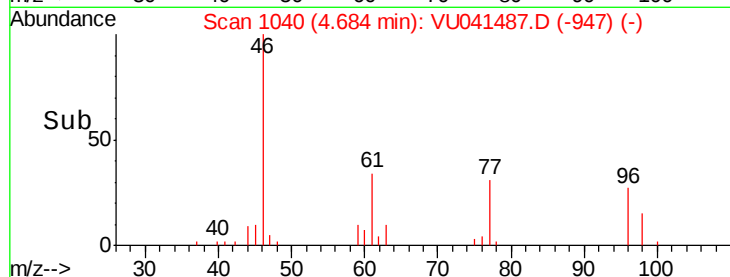
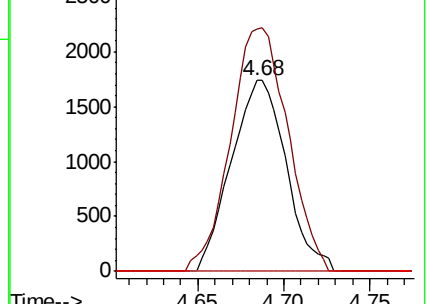
68 0.0 0.0 0.0



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: 0.155 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU041487.D

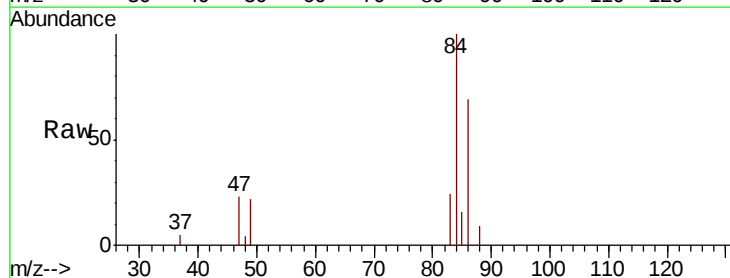
Acq: 07 Dec 2020 12:39

Tgt Ion: 83 Resp: 1084

Ion Ratio Lower Upper

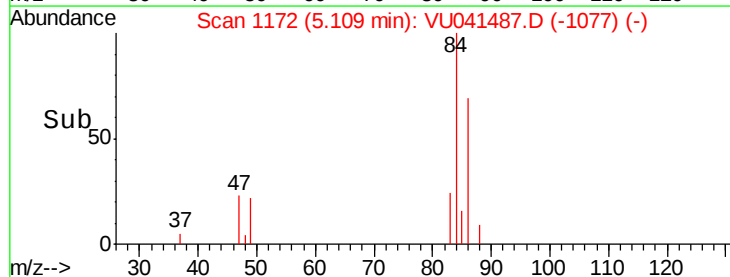
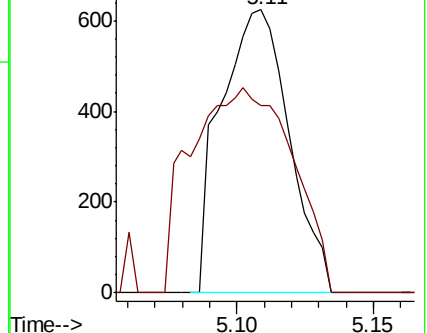
83 100

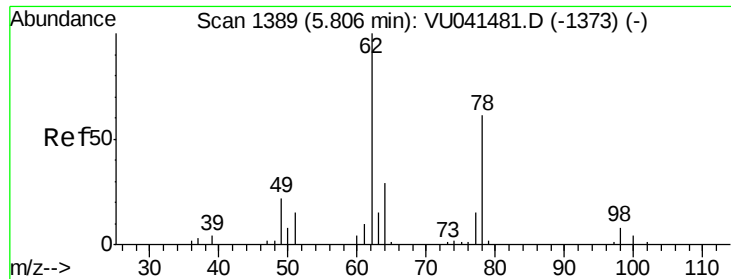
85 66.0 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

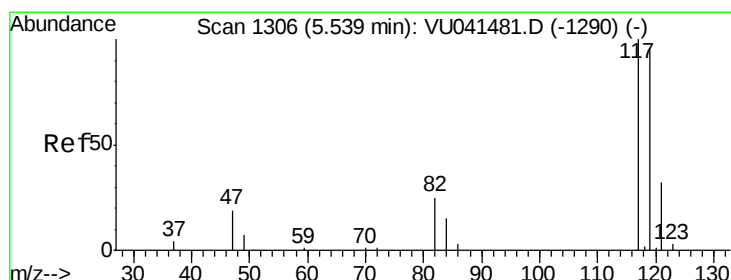
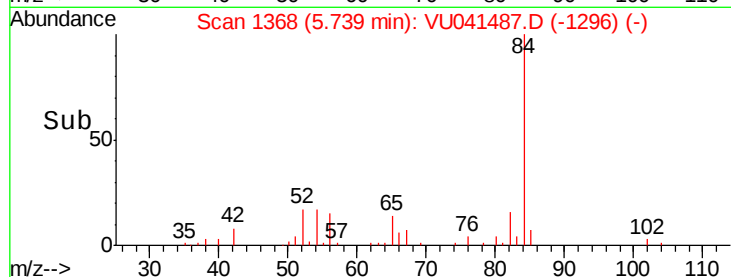
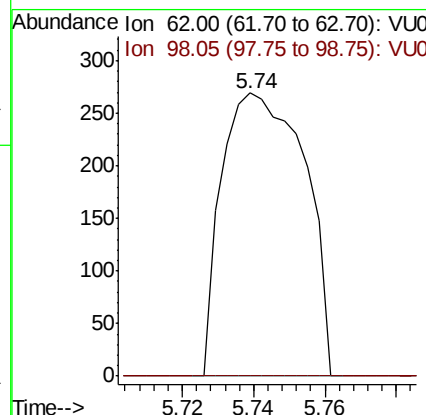
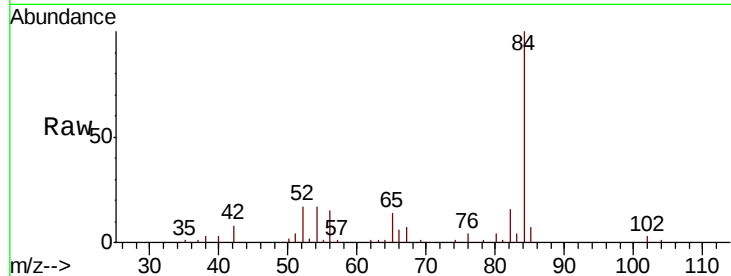




#27
 1,2-Dichloroethane
 Concen: 0.079 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041487.D
 Acq: 07 Dec 2020 12:39

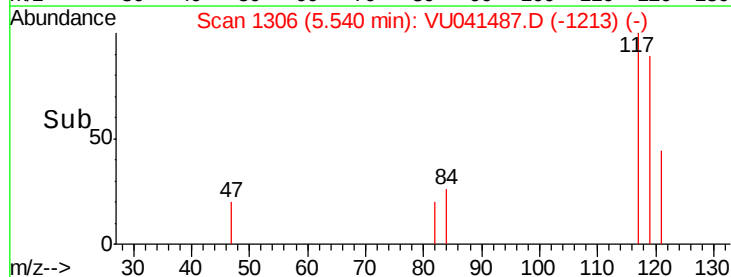
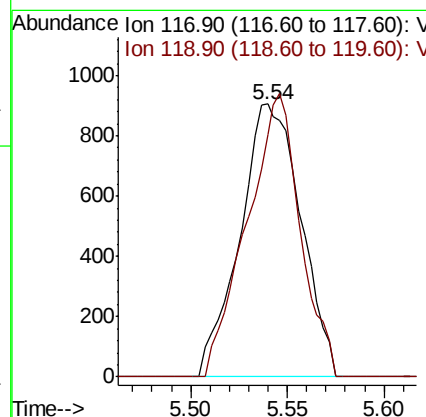
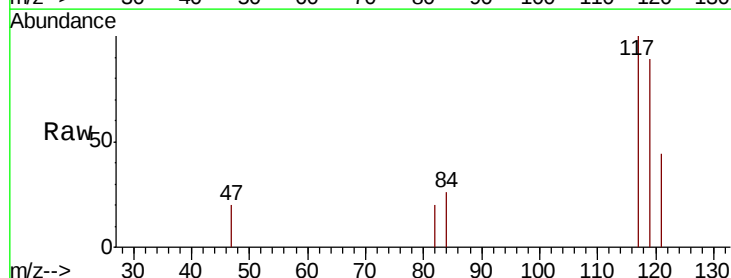
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP7

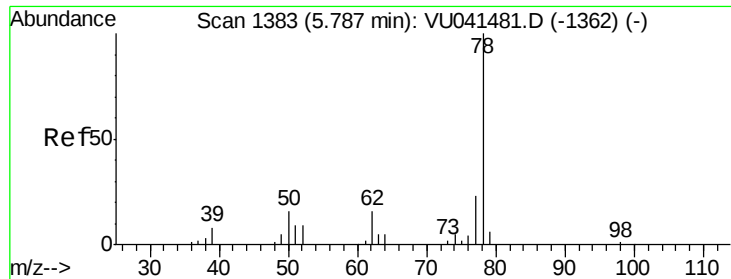
Tot Ion: 62 Resp: 432
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#31
 Carbon tetrachloride
 Concen: 0.312 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU041487.D
 Acq: 07 Dec 2020 12:39

Tgt Ion: 117 Resp: 1983
 Ion Ratio Lower Upper
 117 100
 119 90.7 77.2 115.8





#33

Benzene

Concen: 0.040 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.04 min

Lab File: VU041487.D

Acq: 07 Dec 2020 12:39

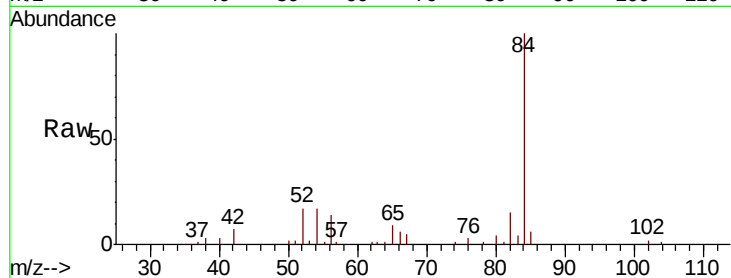
Instrument :

MSVOA_U

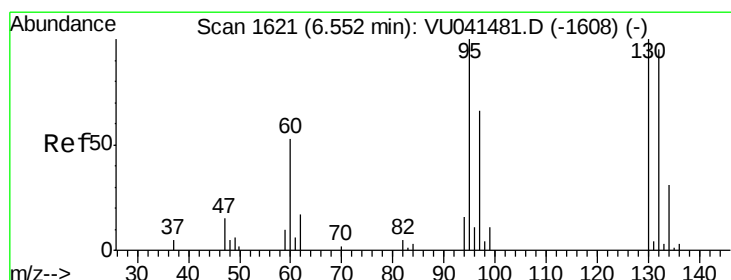
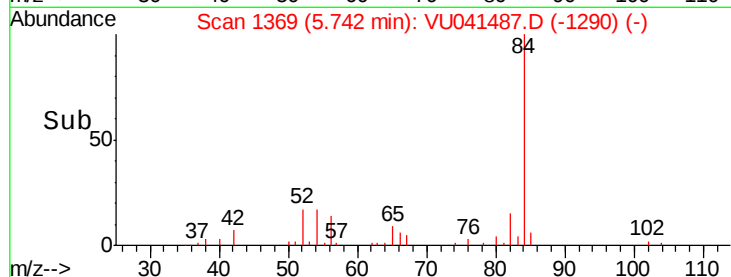
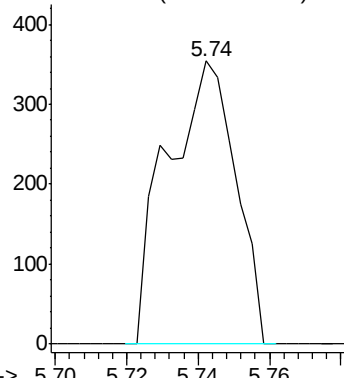
ClientSampleId :

C0AP7

Tgt Ion: 78 Resp: 470



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 11.921 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041487.D

Acq: 07 Dec 2020 12:39

Tgt Ion: 95 Resp: 42612

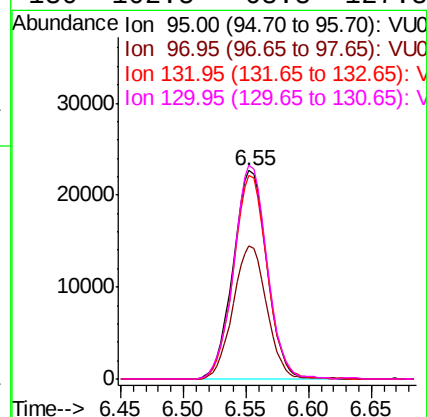
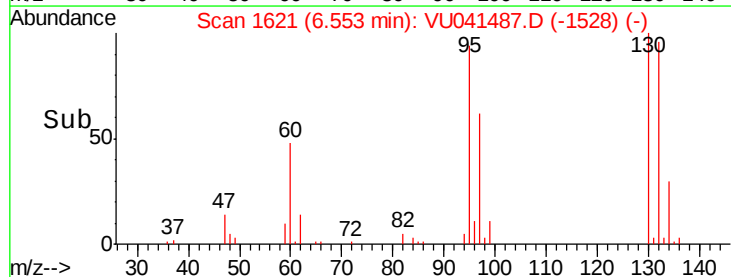
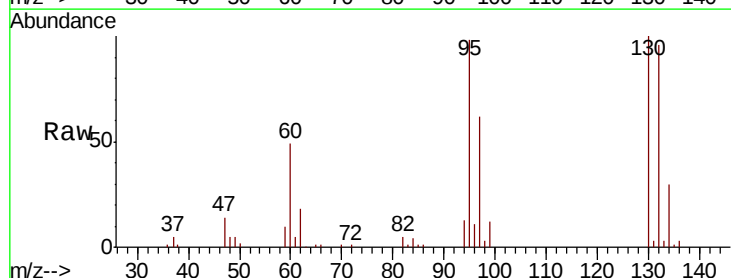
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.7	83.1
132	98.0	65.7	121.9
130	102.5	68.8	127.8

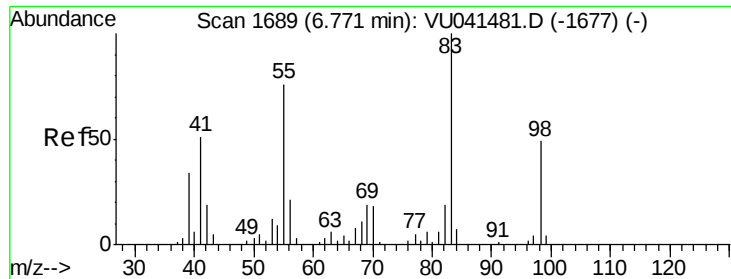
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

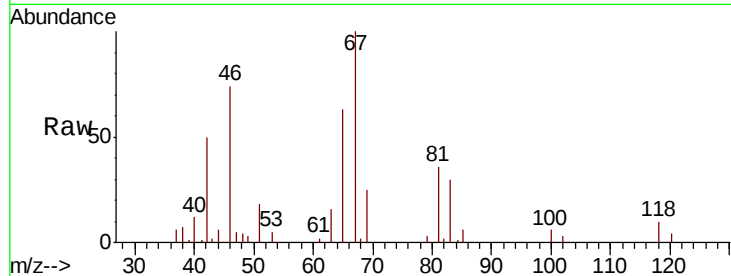




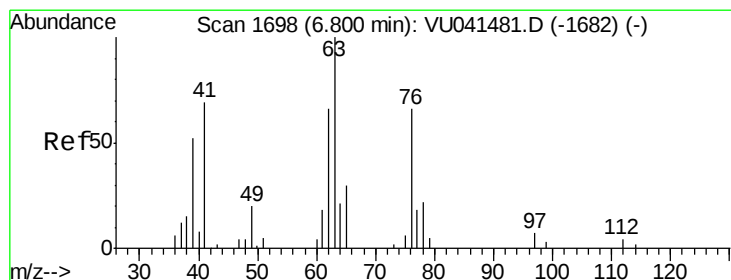
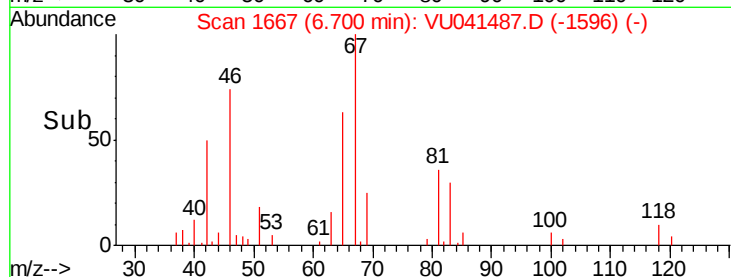
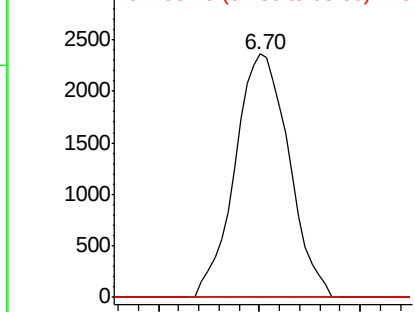
#35
Methylcyclohexane
Concen: 0.906 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041487.D
Acq: 07 Dec 2020 12:39

Instrument :
MSVOA_U
ClientSampleId :
C0AP7

Tot Ion: 83 Resp: 4417
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#

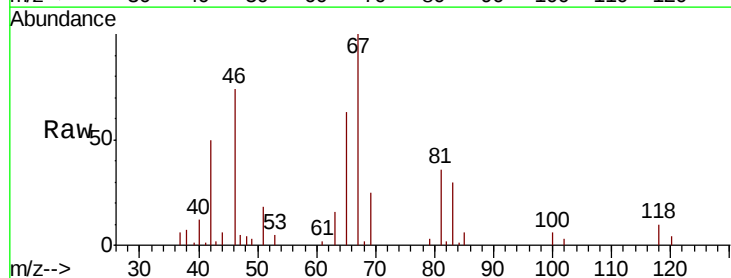


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

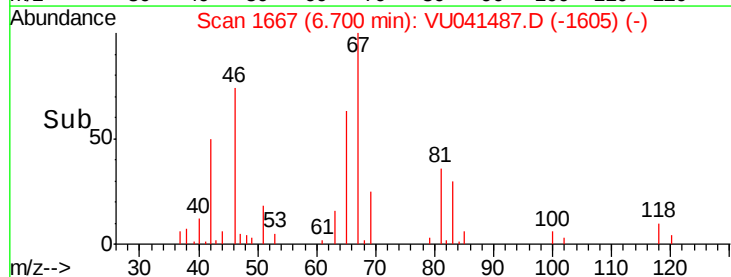
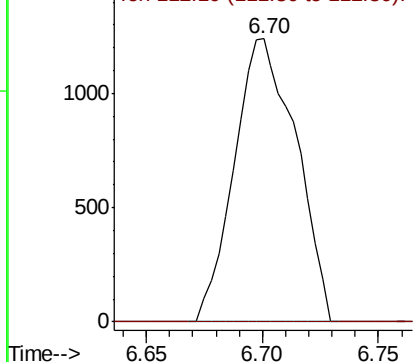


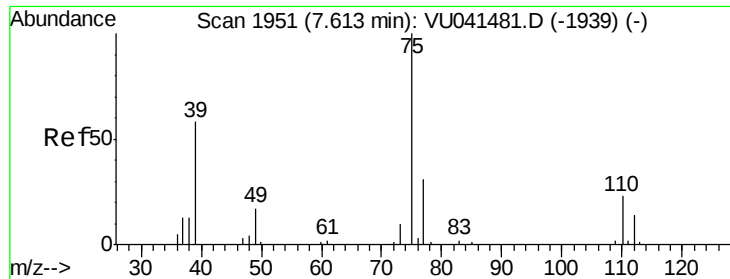
#37
1,2-Dichloropropane
Concen: 0.828 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041487.D
Acq: 07 Dec 2020 12:39

Tgt Ion: 63 Resp: 2298
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

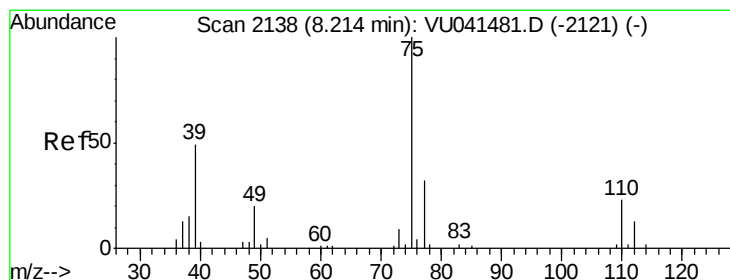
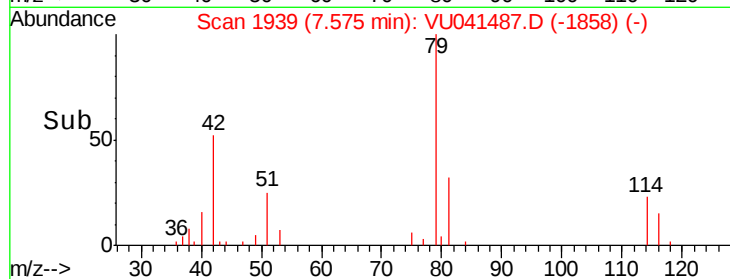
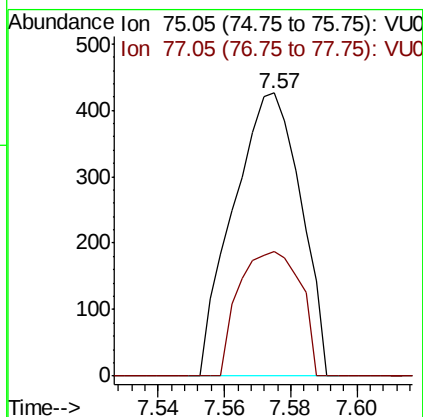
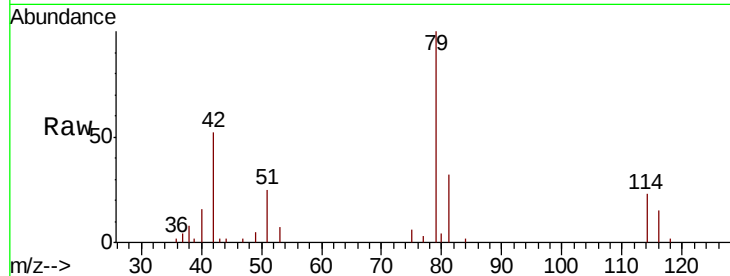




#39
 cis-1,3-Dichloropropene
 Concen: 0.120 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041487.D
 Acq: 07 Dec 2020 12:39

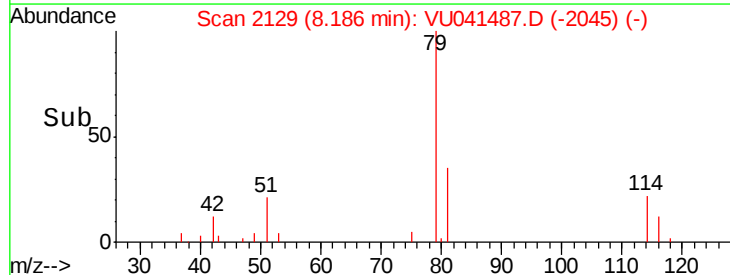
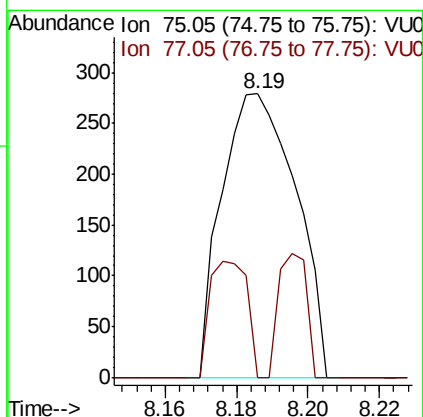
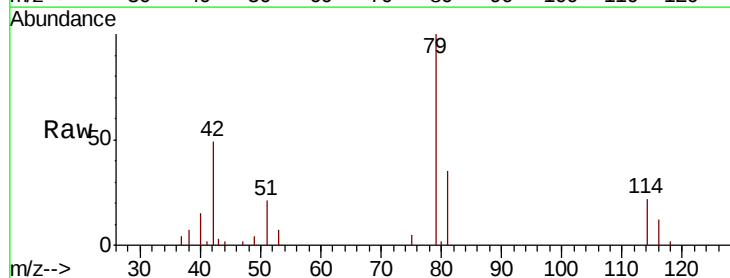
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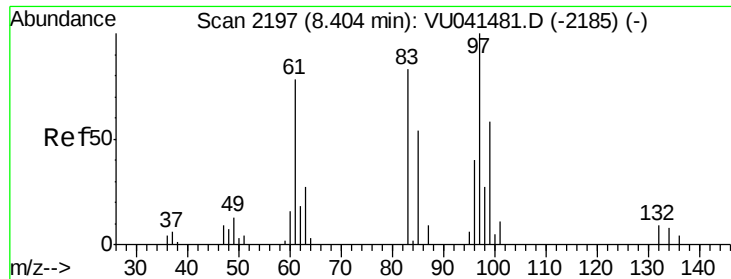
Tot Ion: 75 Resp: 601
 Ion Ratio Lower Upper
 75 100
 77 43.9 24.0 44.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041487.D
 Acq: 07 Dec 2020 12:39

Tgt Ion: 75 Resp: 400
 Ion Ratio Lower Upper
 75 100
 77 0.0 22.7 42.3#

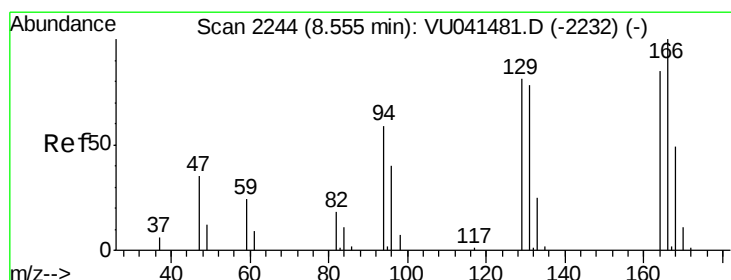
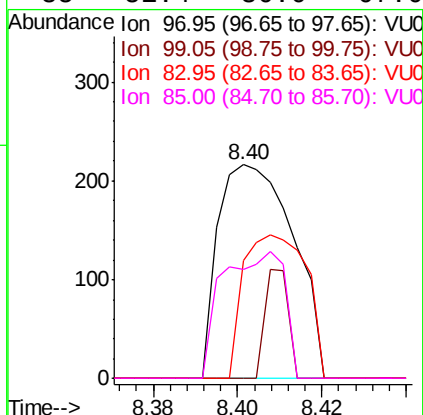
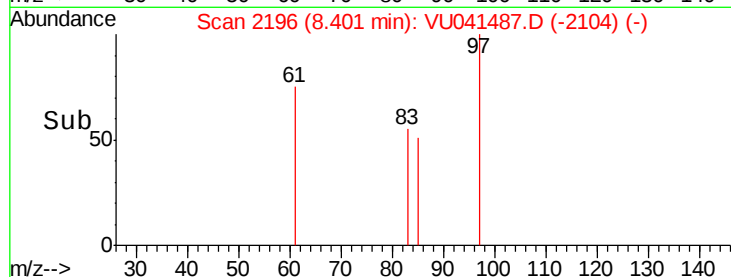
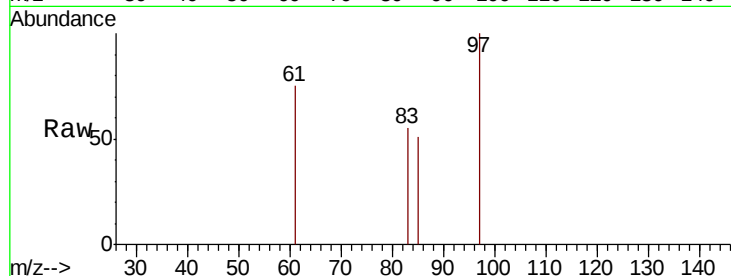




#45
 1,1,2-Trichloroethane
 Concen: 0.100 ug/L
 RT: 8.40 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VU041487.D
 Acq: 07 Dec 2020 12:39

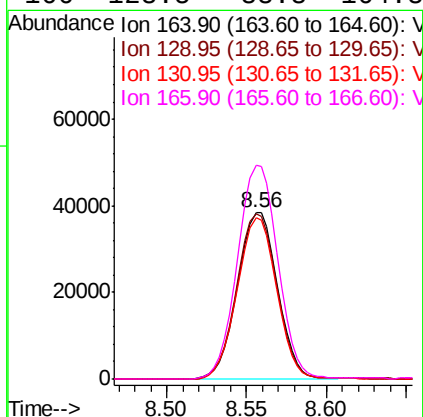
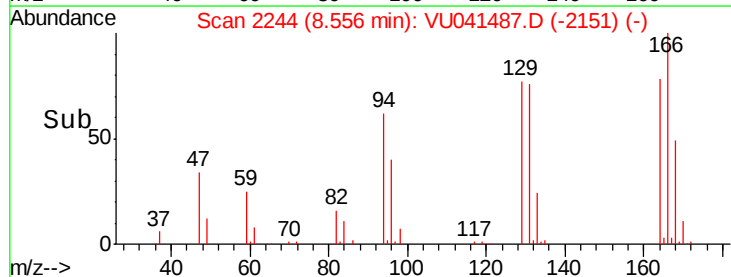
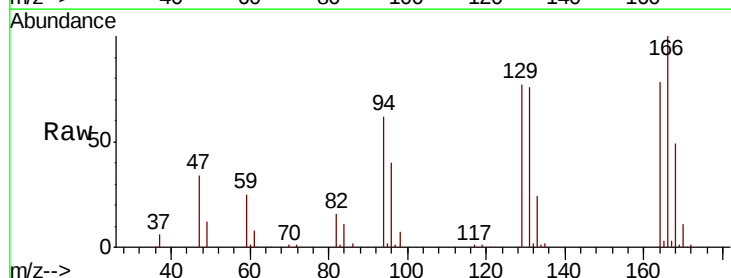
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP7

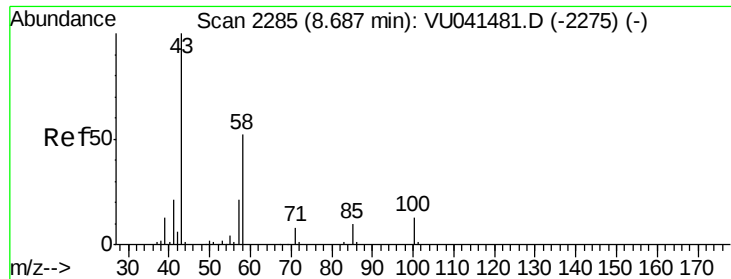
Tot Ion: 97 Resp: 268
 Ion Ratio Lower Upper
 97 100
 99 0.0 40.7 75.7#
 83 55.1 56.2 104.4#
 85 51.4 36.0 67.0



#47
 Tetrachloroethene
 Concen: 23.260 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041487.D
 Acq: 07 Dec 2020 12:39

Tgt Ion: 164 Resp: 65669
 Ion Ratio Lower Upper
 164 100
 129 99.4 67.1 124.7
 131 97.3 63.3 117.7
 166 128.5 88.8 164.8

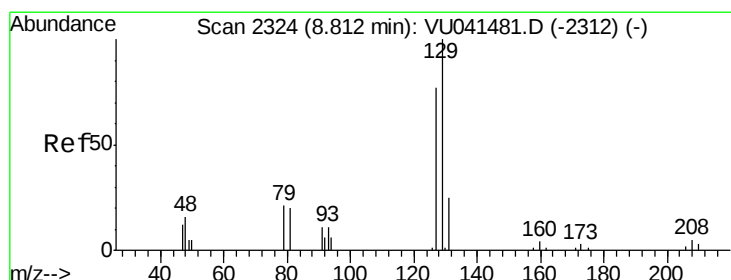
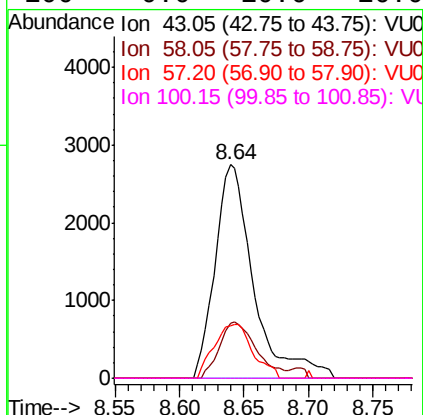
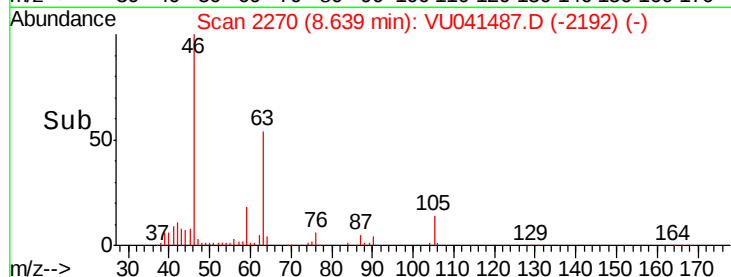
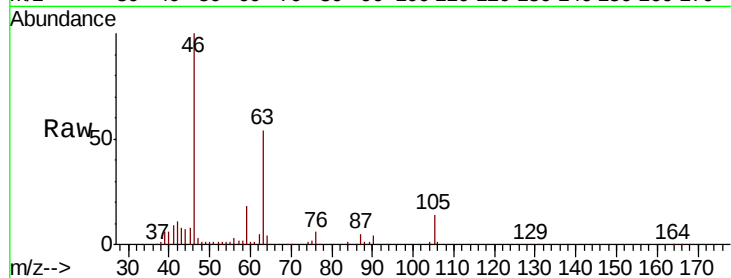




#48
2-Hexanone
Concen: 3.183 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041487.D
Acq: 07 Dec 2020 12:39

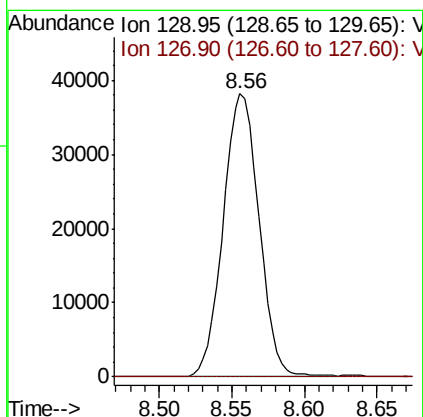
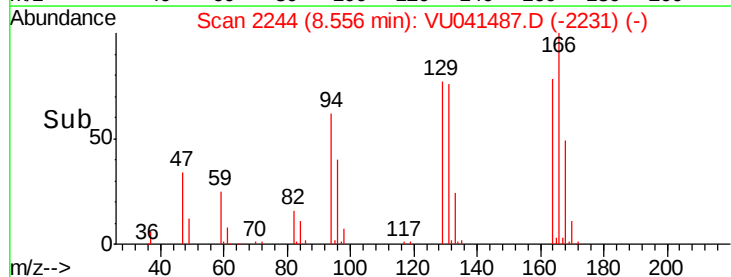
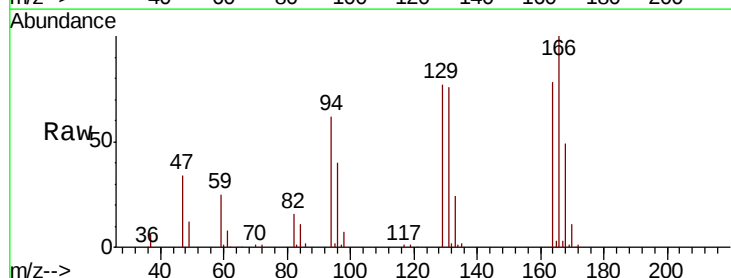
Instrument :
MSVOA_U
ClientSampleId :
C0AP7

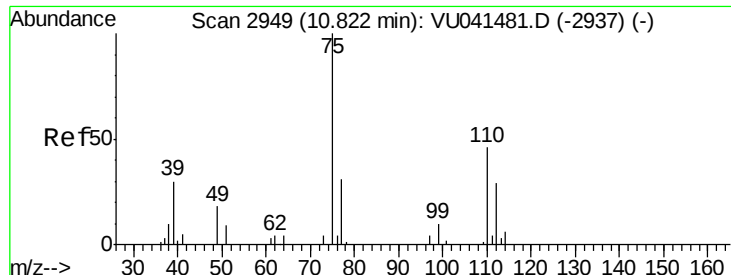
Tot Ion: 43 Resp: 5687
Ion Ratio Lower Upper
43 100
58 25.4 41.4 62.0#
57 25.4 17.1 25.7
100 0.0 10.6 16.0#



#49
Dibromochloromethane
Concen: 17.704 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041487.D
Acq: 07 Dec 2020 12:39

Tgt Ion: 129 Resp: 64558
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.2#





#59

1,2,3-Trichloropropane

Concen: 0.948 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041487.D

Acq: 07 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

C0AP7

Tot Ion: 75 Resp: 2553

Ion Ratio Lower Upper

75 100

77 44.7 26.3 39.5#

