

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041489.D
 Acq On : 07 Dec 2020 13:27
 Operator : SY/MD
 Sample : L4944-02DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6DL

Quant Time: Dec 08 04:33:47 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	47267	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49190	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25919	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	10090	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.92	69	10040	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.58	63	20156	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.66	46	48604	53.39	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.78%
24) Chloroform-d	5.08	84	33387	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.72	65	23984	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.74	84	51179	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	13938	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.91	98	44652	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	8734	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	36654	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	16474	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	22799	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	2.01	64	132	0.063	ug/L #	45
9) Trichlorofluoromethane	2.15	101	17739	2.469	ug/L	96
16) Methylene chloride	3.06	84	1369	0.371	ug/L	90
25) Chloroform	5.09	83	383	0.058	ug/L	95
27) 1,2-Dichloroethane	5.74	62	352	0.068	ug/L #	79
31) Carbon tetrachloride	5.54	117	458	0.070	ug/L #	77
33) Benzene	5.74	78	413	0.034	ug/L	100
34) Trichloroethene	6.55	95	3810	1.037	ug/L	92
35) Methylcyclohexane	6.70	83	4158	0.829	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2189	0.767	ug/L #	84
39) cis-1,3-Dichloropropene	7.58	75	603	0.117	ug/L #	46
44) trans-1,3-Dichloropropene	8.19	75	396	0.077	ug/L #	44
45) 1,1,2-Trichloroethane	8.56	97	198	0.072	ug/L #	46
47) Tetrachloroethene	8.56	164	28404	9.786	ug/L	97
48) 2-Hexanone	8.64	43	5626	3.063	ug/L #	72
49) Dibromochloromethane	8.56	129	27616	7.367	ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	2425	0.876	ug/L #	71

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

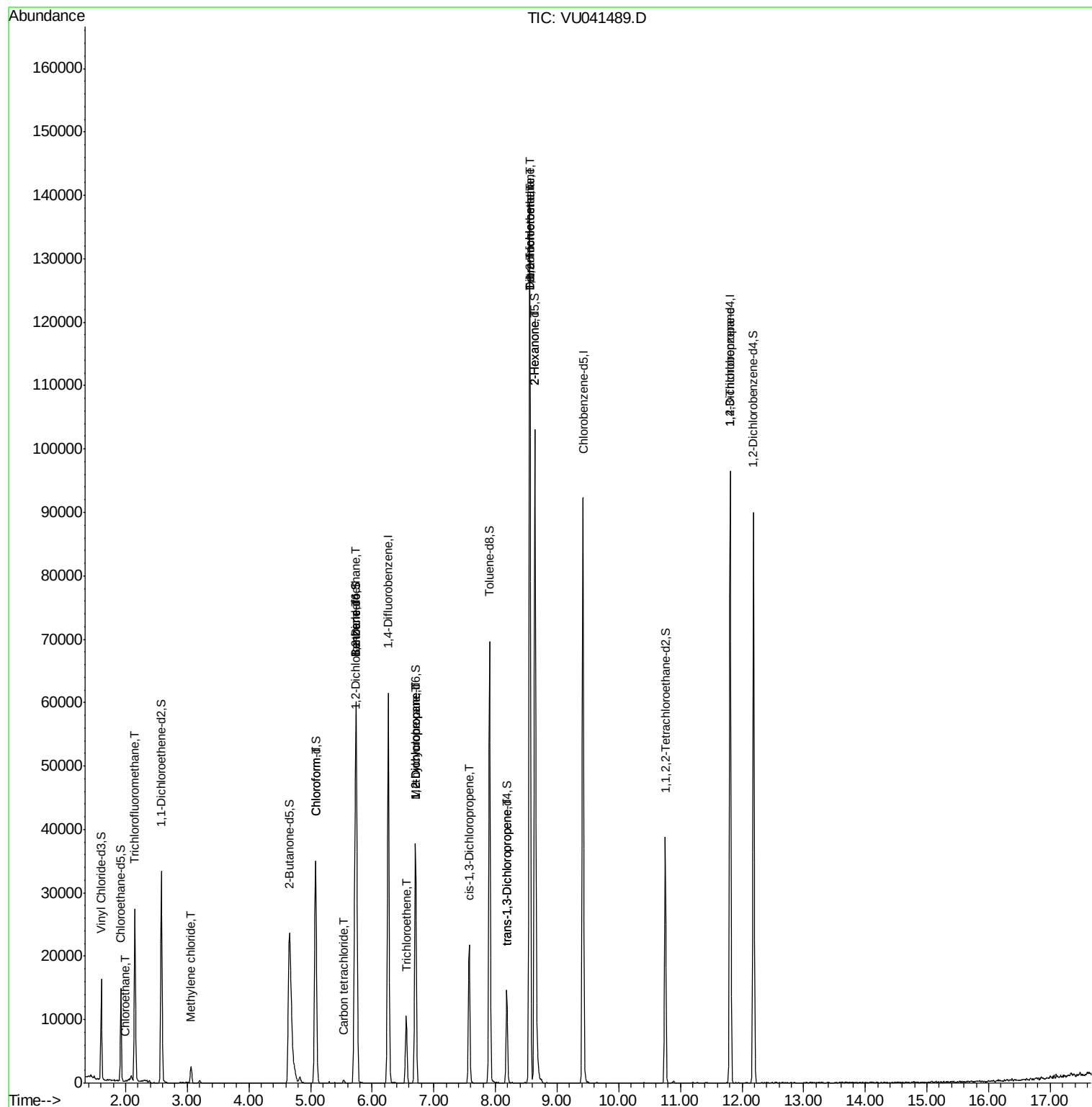
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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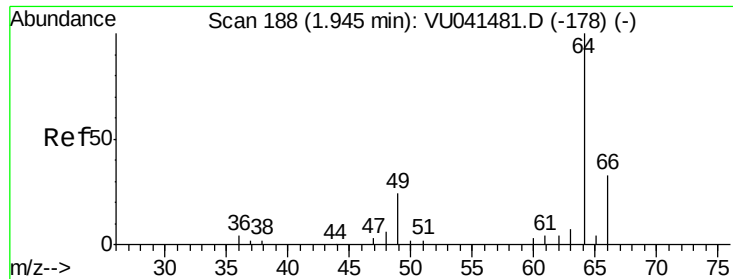
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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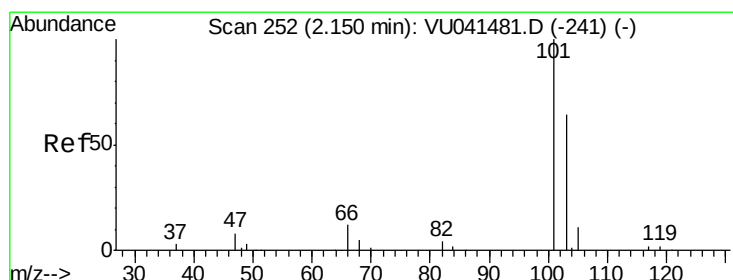
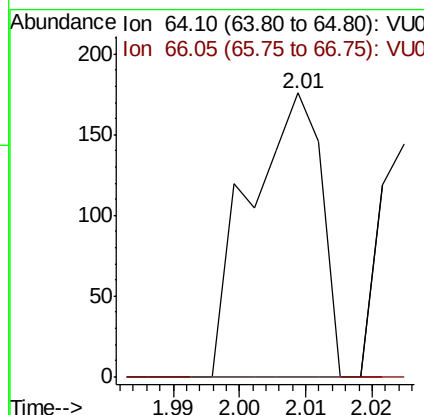
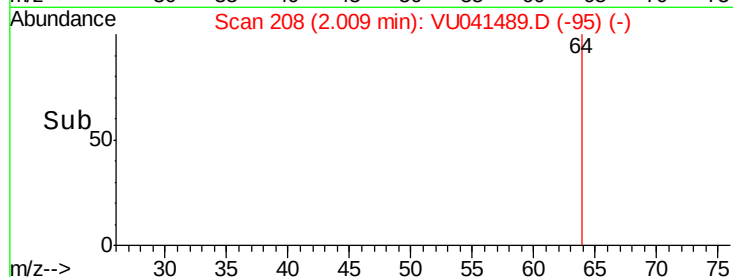
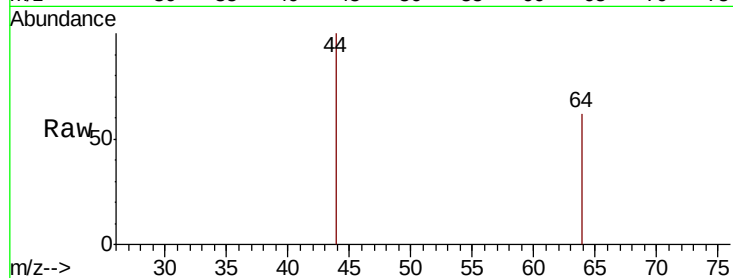




#8
 Chloroethane
 Concen: 0.063 ug/L
 RT: 2.01 min Scan# 208
 Delta R.T. 0.06 min
 Lab File: VU041489.D
 Acq: 07 Dec 2020 13:27

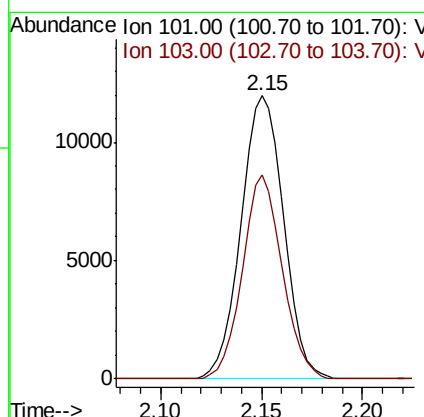
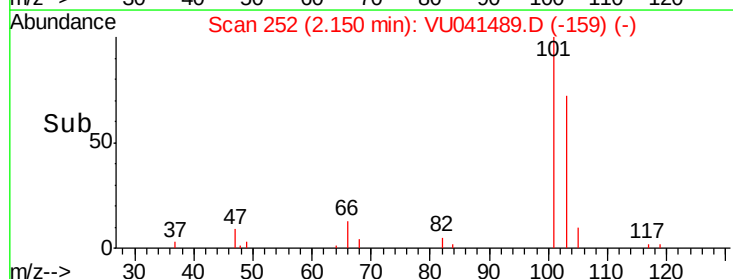
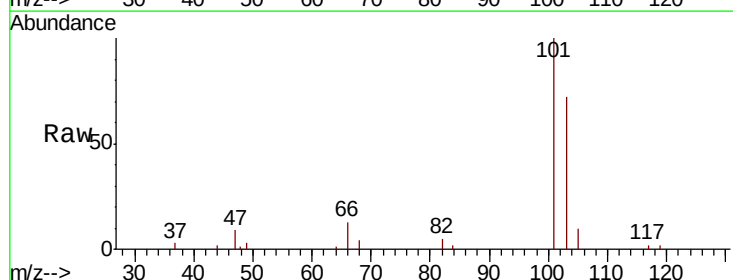
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6DL

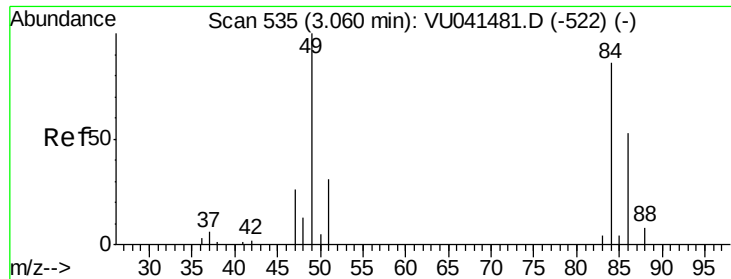
Tot Ion: 64 Resp: 132
 Ion Ratio Lower Upper
 64 100
 66 0.0 20.9 38.9#



#9
 Trichlorofluoromethane
 Concen: 2.469 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU041489.D
 Acq: 07 Dec 2020 13:27

Tgt Ion: 101 Resp: 17739
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.4 77.0

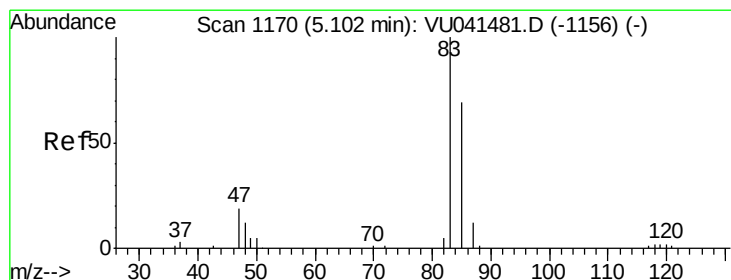
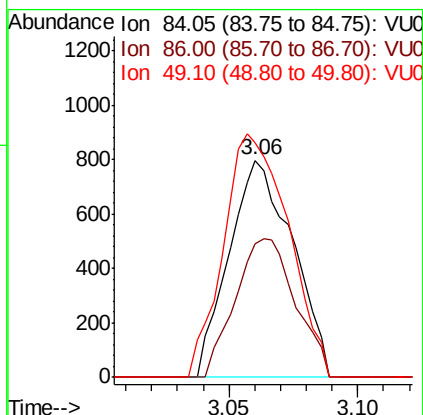
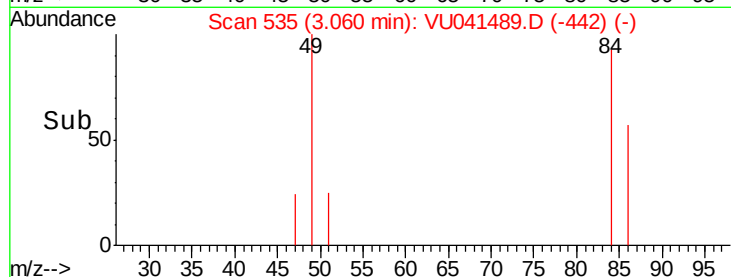
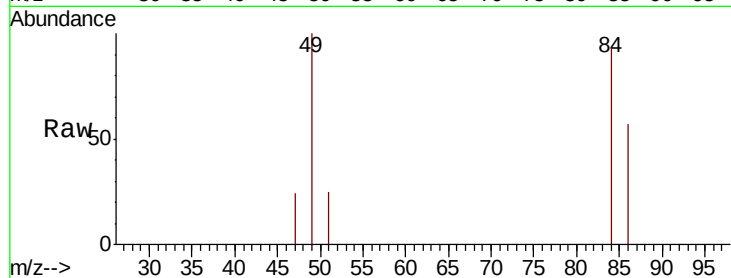




#16
Methylene chloride
Concen: 0.371 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041489.D
Acq: 07 Dec 2020 13:27

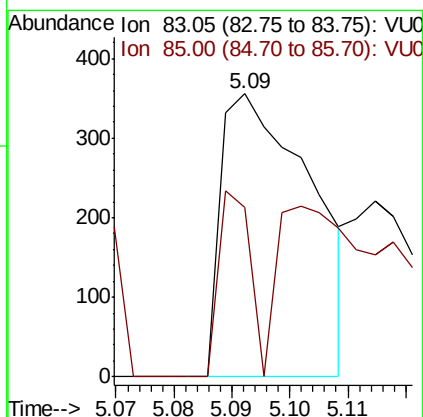
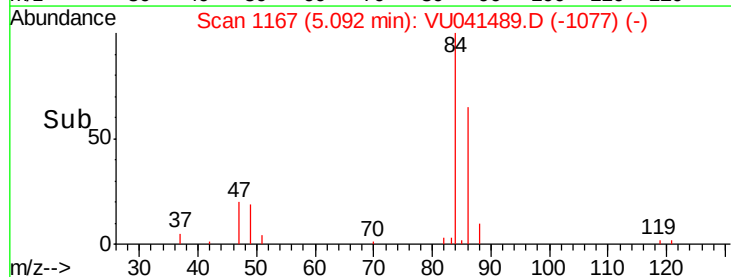
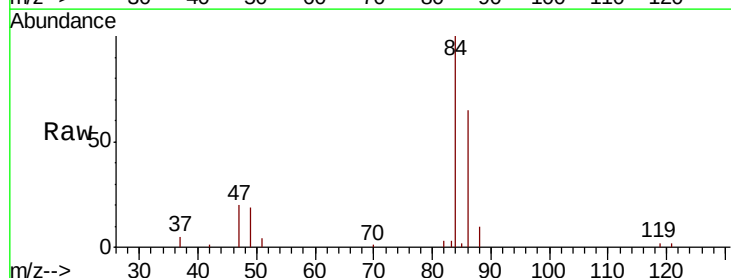
Instrument :
MSVOA_U
ClientSampleId :
C0AP6DL

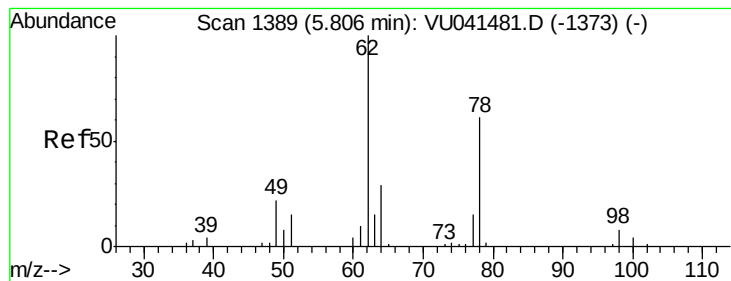
Tot Ion: 84 Resp: 1369
Ion Ratio Lower Upper
84 100
86 61.3 44.1 81.9
49 107.9 86.1 159.9



#25
Chloroform
Concen: 0.058 ug/L
RT: 5.09 min Scan# 1167
Delta R.T. -0.01 min
Lab File: VU041489.D
Acq: 07 Dec 2020 13:27

Tgt Ion: 83 Resp: 383
Ion Ratio Lower Upper
83 100
85 59.8 44.7 82.9

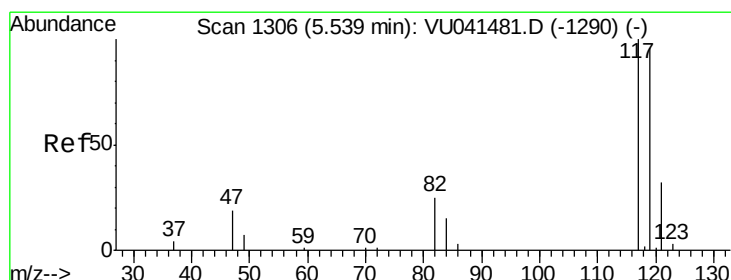
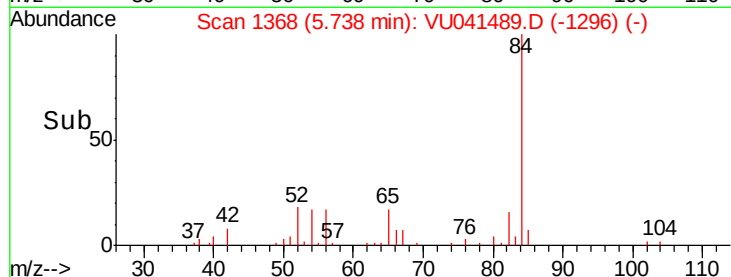
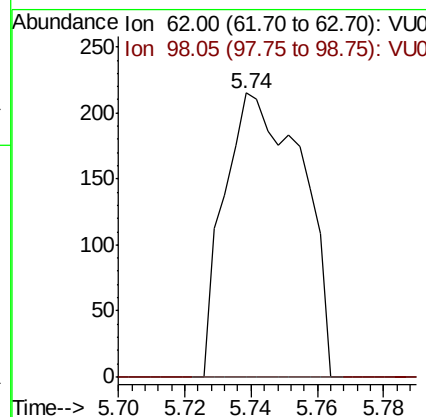
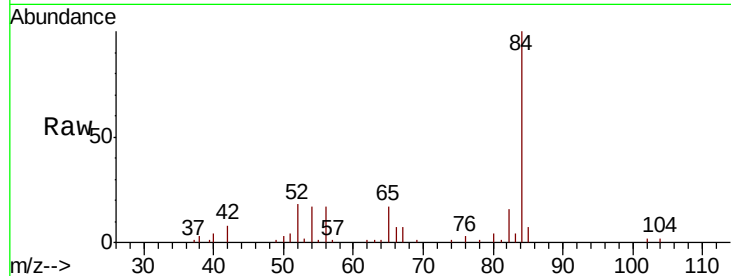




#27
 1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041489.D
 Acq: 07 Dec 2020 13:27

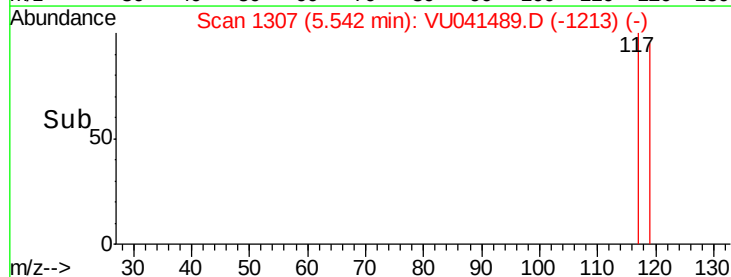
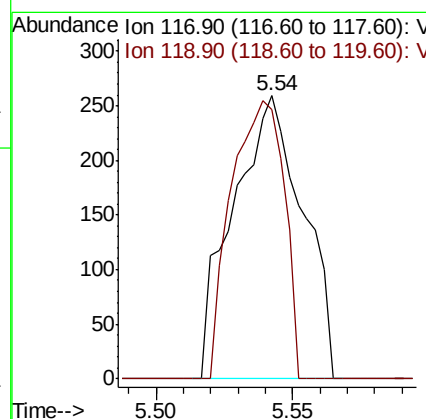
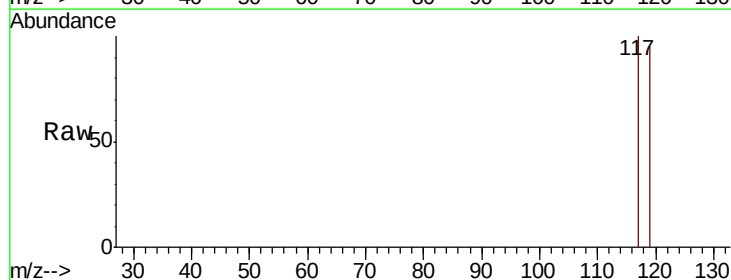
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6DL

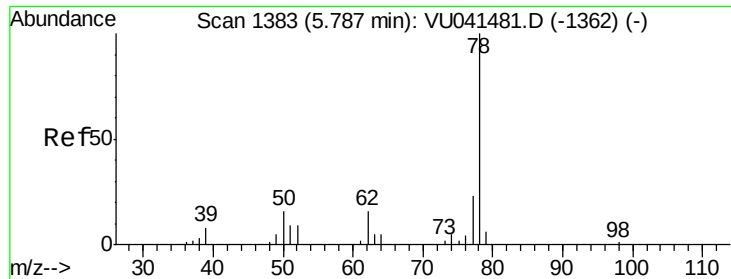
Tot Ion: 62 Resp: 352
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#31
 Carbon tetrachloride
 Concen: 0.070 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VU041489.D
 Acq: 07 Dec 2020 13:27

Tgt Ion: 117 Resp: 458
 Ion Ratio Lower Upper
 117 100
 119 74.2 77.2 115.8#





#33

Benzene

Concen: 0.034 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.05 min

Lab File: VU041489.D

Acq: 07 Dec 2020 13:27

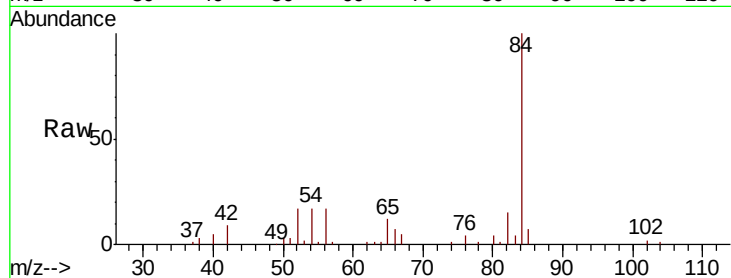
Instrument :

MSVOA_U

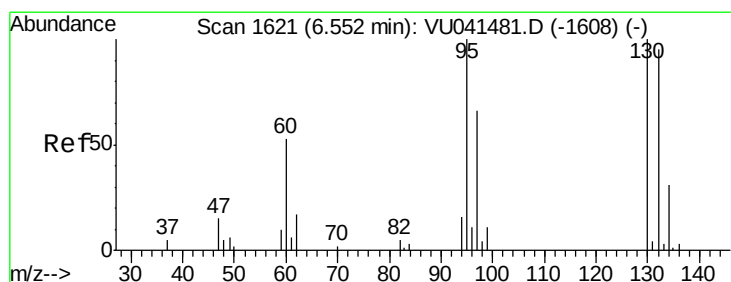
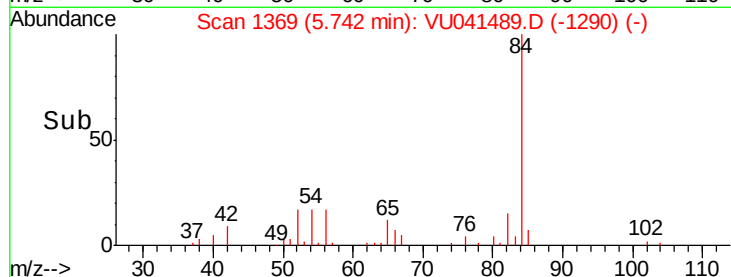
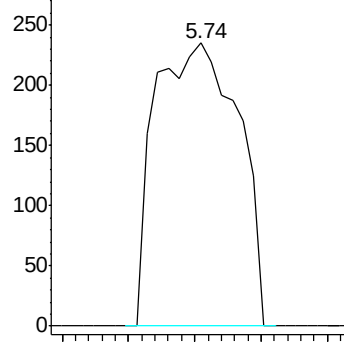
ClientSampled :

C0AP6DL

Tgt Ion: 78 Resp: 413



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 1.037 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041489.D

Acq: 07 Dec 2020 13:27

Tgt Ion: 95 Resp: 3810

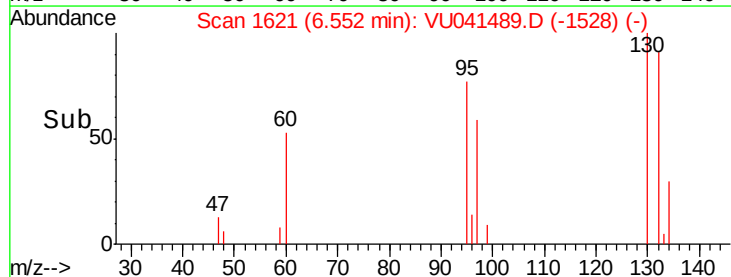
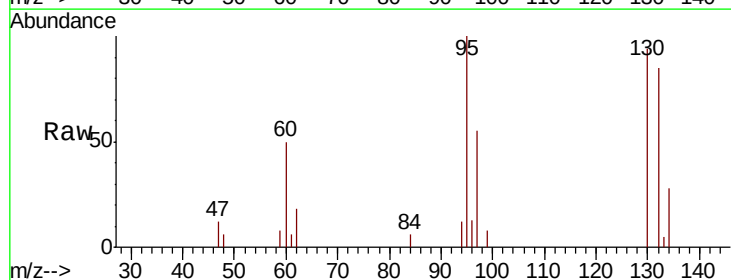
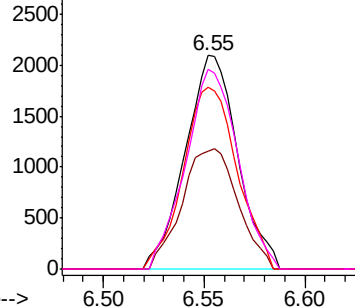
Ion	Ratio	Lower	Upper
95	100		
97	55.3	44.7	83.1
132	85.2	65.7	121.9
130	93.6	68.8	127.8

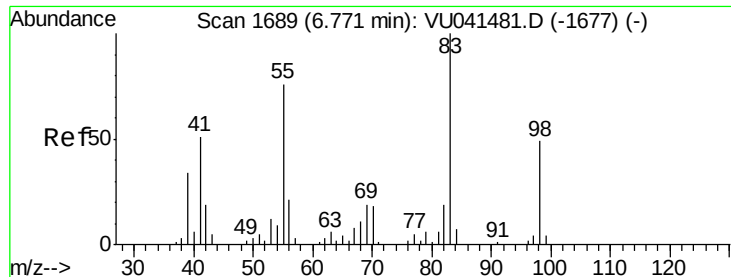
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

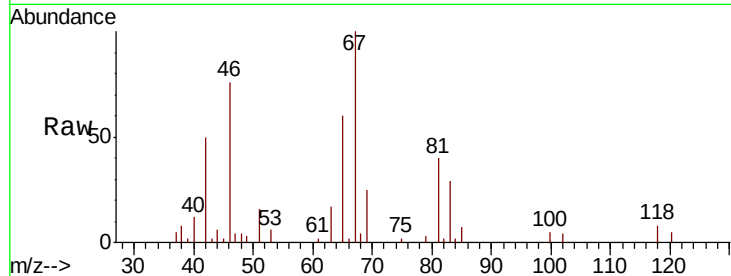




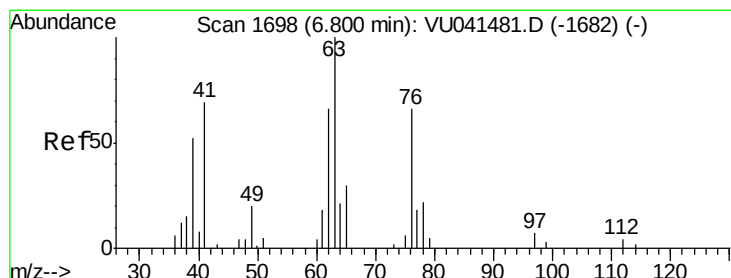
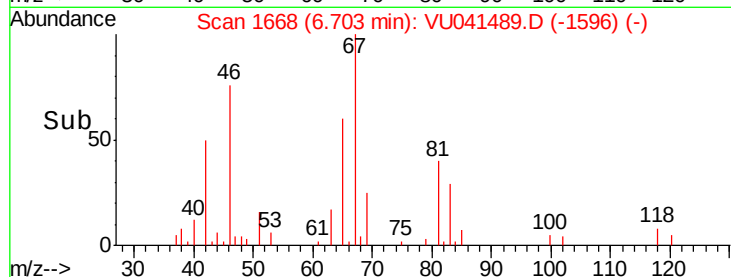
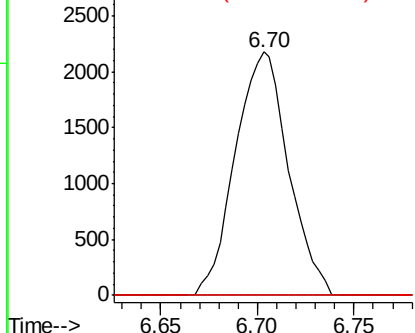
#35
Methylcyclohexane
Concen: 0.829 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041489.D
Acq: 07 Dec 2020 13:27

Instrument :
MSVOA_U
ClientSampleId :
C0AP6DL

Tot Ion: 83 Resp: 4158
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#

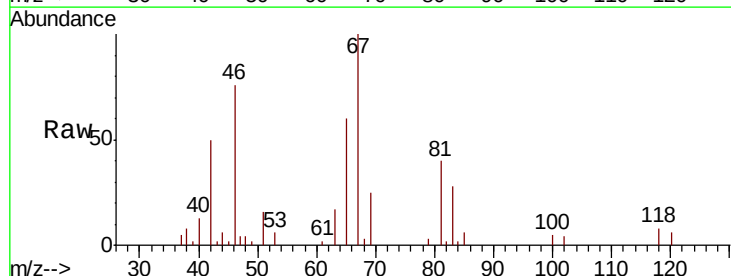


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

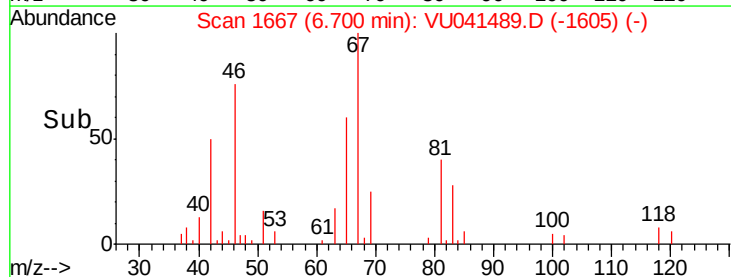
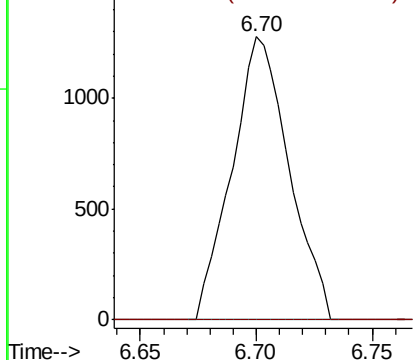


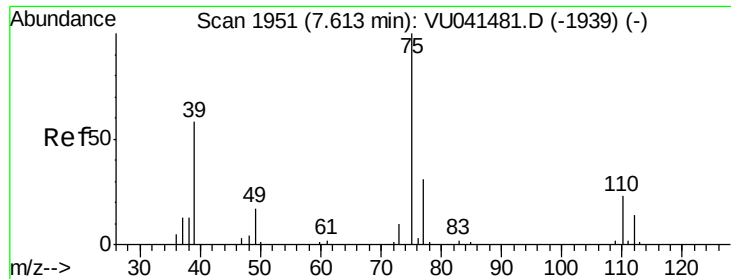
#37
1,2-Dichloropropane
Concen: 0.767 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041489.D
Acq: 07 Dec 2020 13:27

Tgt Ion: 63 Resp: 2189
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

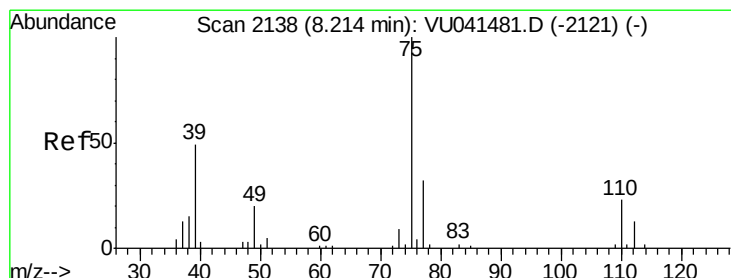
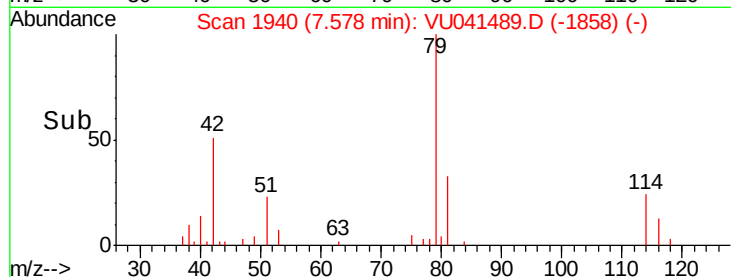
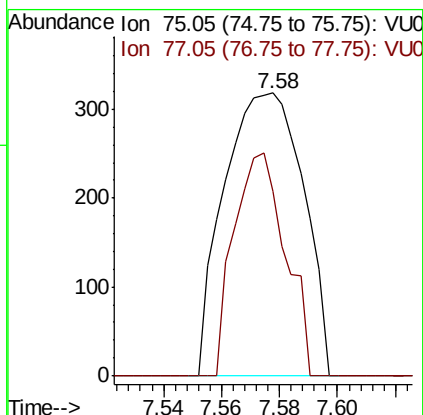
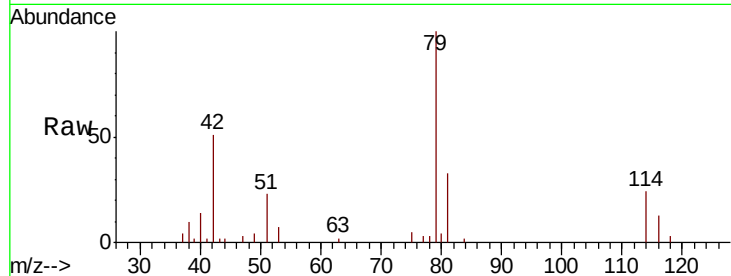




#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041489.D
 Acq: 07 Dec 2020 13:27

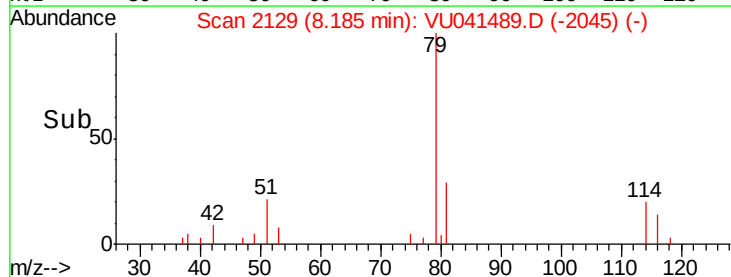
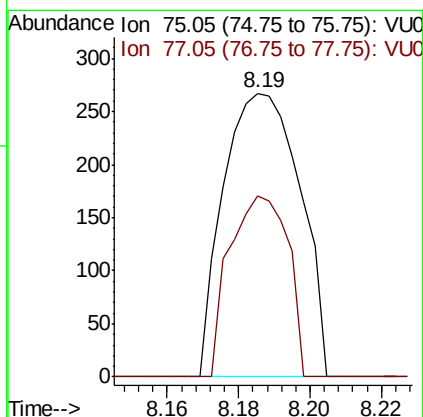
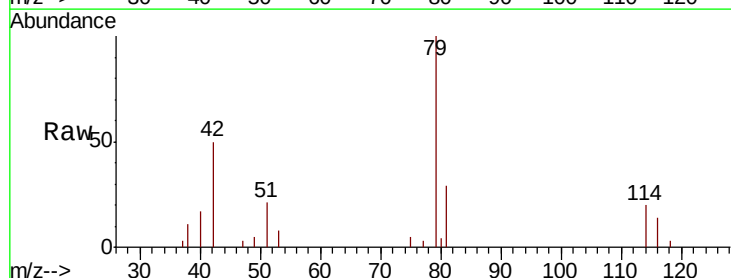
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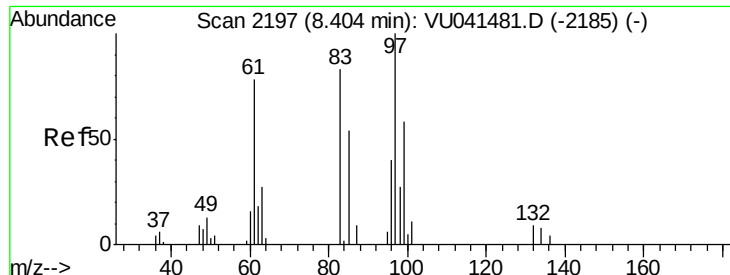
Tot Ion: 75 Resp: 603
 Ion Ratio Lower Upper
 75 100
 77 65.4 24.0 44.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041489.D
 Acq: 07 Dec 2020 13:27

Tgt Ion: 75 Resp: 396
 Ion Ratio Lower Upper
 75 100
 77 63.7 22.7 42.3#

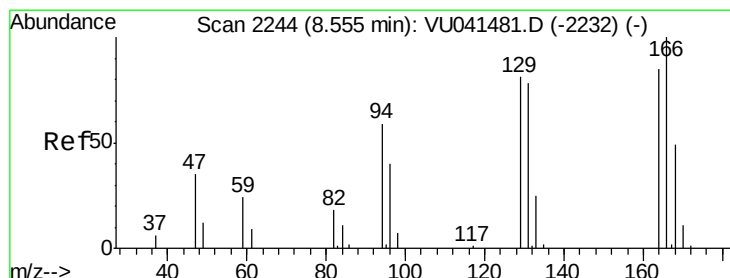
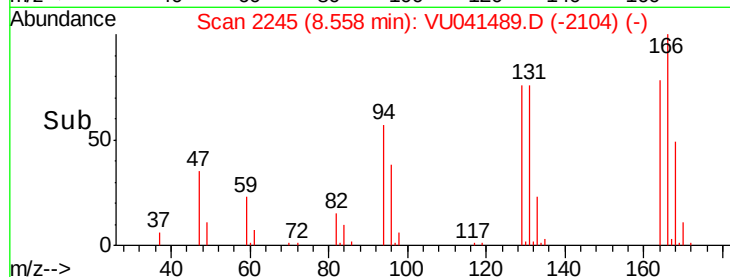
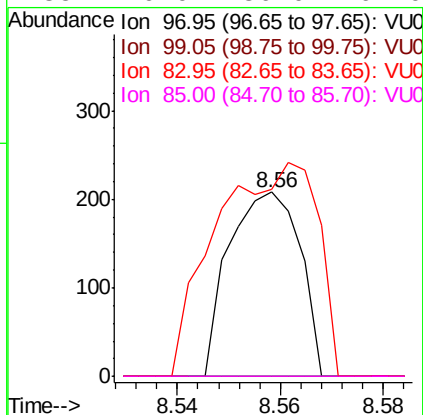
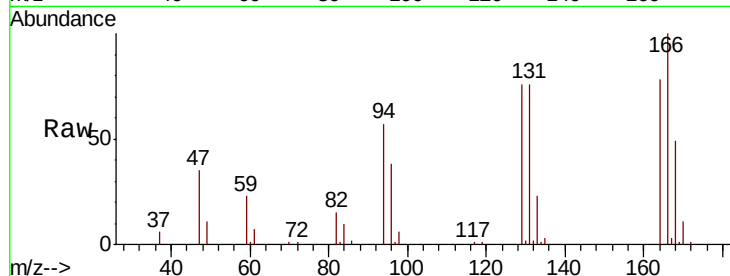




#45
1,1,2-Trichloroethane
Concen: 0.072 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.15 min
Lab File: VU041489.D
Acq: 07 Dec 2020 13:27

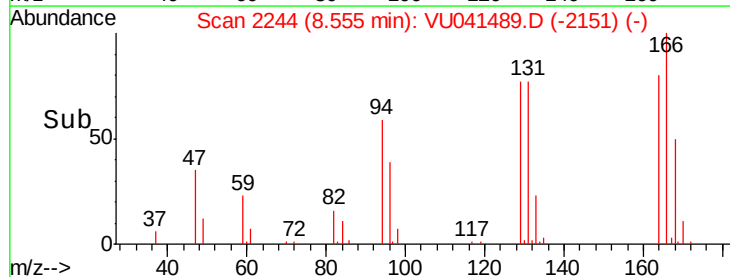
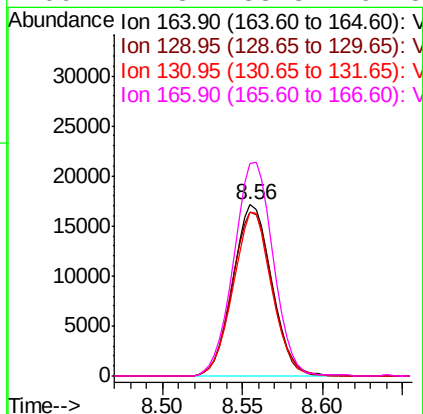
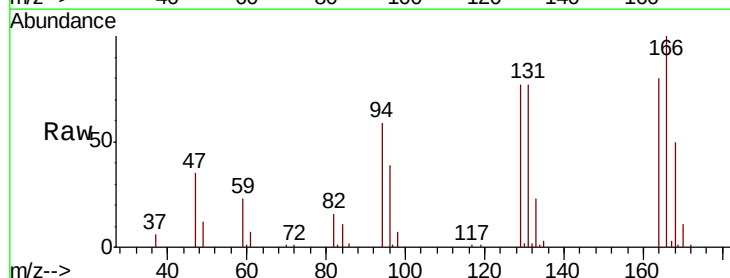
Instrument :
MSVOA_U
ClientSampleId :
C0AP6DL

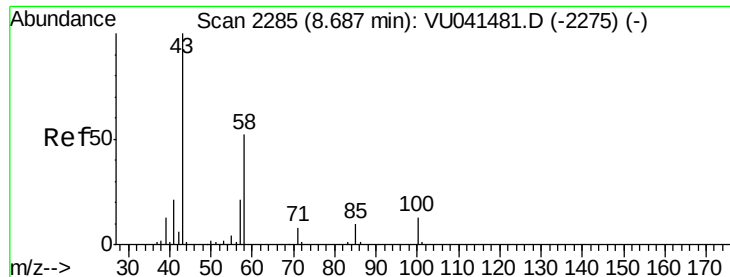
Tot Ion:	97	Resp:	198
Ion	Ratio	Lower	Upper
97	100		
99	0.0	40.7	75.7#
83	101.4	56.2	104.4
85	0.0	36.0	67.0#



#47
Tetrachloroethene
Concen: 9.786 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041489.D
Acq: 07 Dec 2020 13:27

Tgt Ion:	164	Resp:	28404
Ion	Ratio	Lower	Upper
164	100		
129	95.5	67.1	124.7
131	96.0	63.3	117.7
166	124.3	88.8	164.8

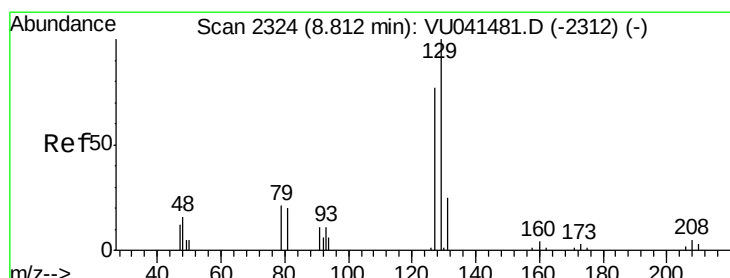
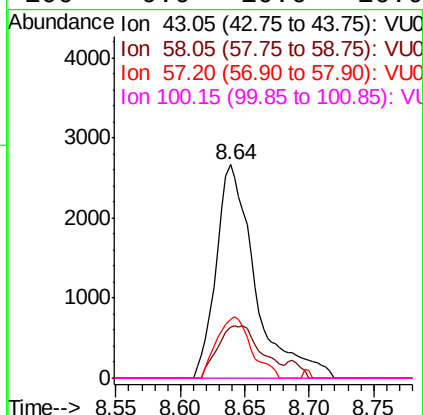
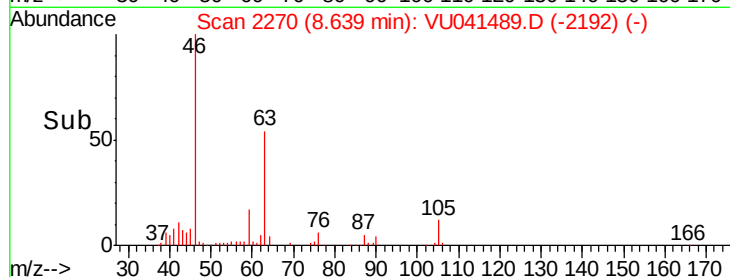
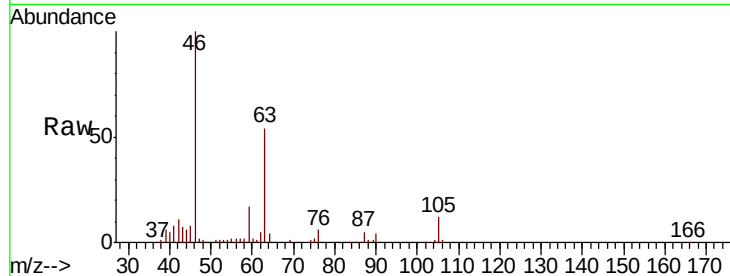




#48
 2-Hexanone
 Concen: 3.063 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU041489.D
 Acq: 07 Dec 2020 13:27

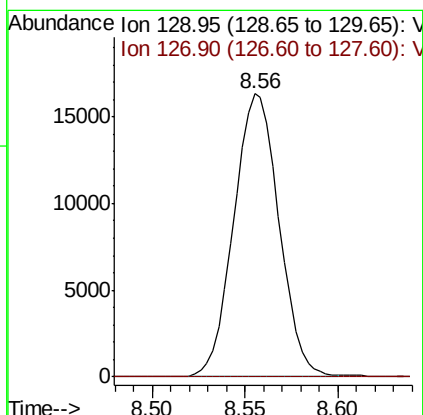
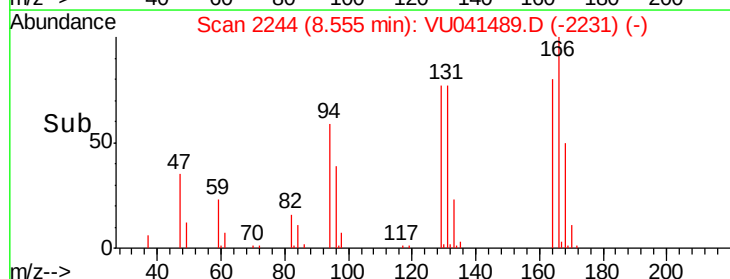
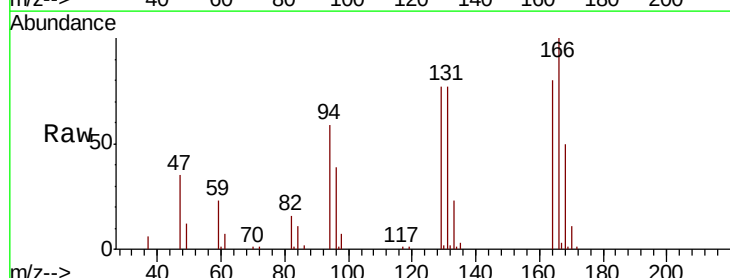
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6DL

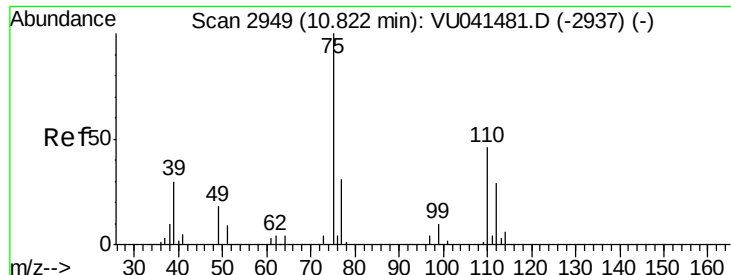
Tot Ion: 43 Resp: 5626
 Ion Ratio Lower Upper
 43 100
 58 27.2 41.4 62.0#
 57 25.2 17.1 25.7
 100 0.0 10.6 16.0#



#49
 Dibromochloromethane
 Concen: 7.367 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.26 min
 Lab File: VU041489.D
 Acq: 07 Dec 2020 13:27

Tgt Ion: 129 Resp: 27616
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.4 97.2#





#59

1,2,3-Trichloropropane

Concen: 0.876 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041489.D

Acq: 07 Dec 2020 13:27

Instrument :

MSVOA_U

ClientSampleId :

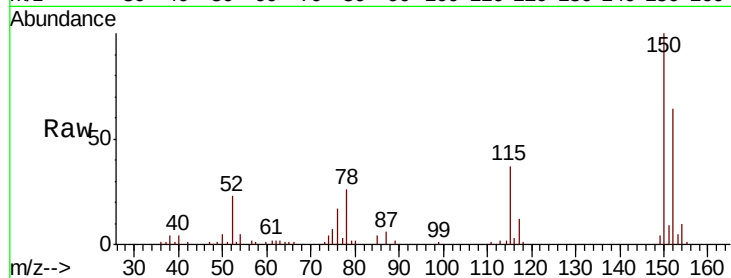
C0AP6DL

Tot Ion: 75 Resp: 2425

Ion Ratio Lower Upper

75 100

77 49.4 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

