

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030984.D
 Acq On : 10 Apr 2019 03:08
 Operator : JC/SP
 Sample : K2248-16DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD1DL

Quant Time: Apr 10 04:36:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 10 04:30:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	216354	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	222059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85326	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67378	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.68	69	65263	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.27	63	104177	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.18	46	278094	65.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.56%#
24) Chloroform-d	4.64	84	121422	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.31	65	85755	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.20%
32) Benzene-d6	5.33	84	247265	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.33	67	95039	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.56	98	188006	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.00%
43) trans-1,3-Dichloropropene-	7.85	79	29510	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.31	63	164413	51.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84020	5.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	70032	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

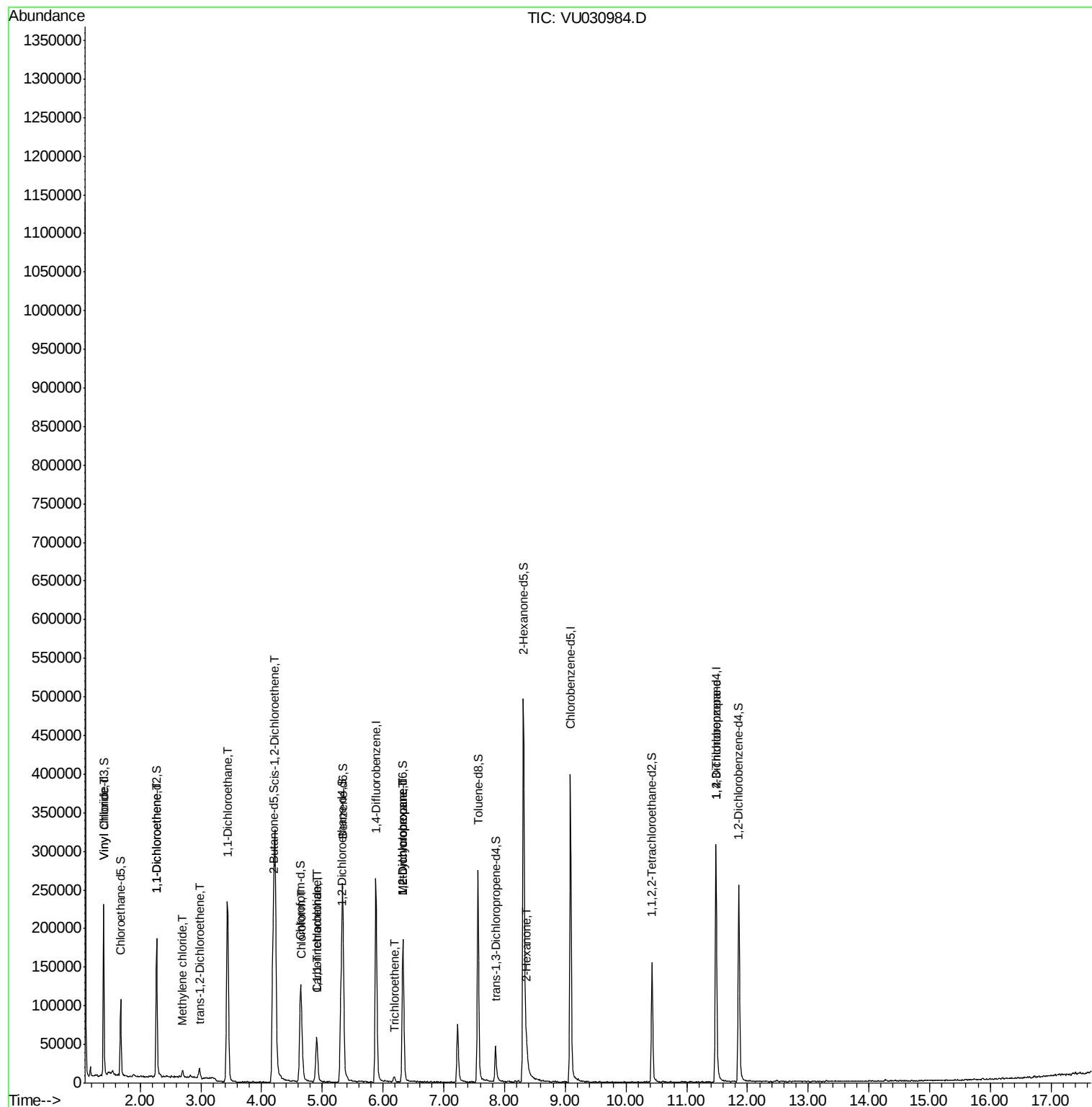
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	85382	3.298	ug/L	99
12) 1,1-Dichloroethene	2.28	96	3090	0.196	ug/L #	1
16) Methylene chloride	2.69	84	3317	0.180	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	4275	0.257	ug/L	86
19) 1,1-Dichloroethane	3.44	63	258981	7.346	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	159319	8.964	ug/L	94
25) Chloroform	4.67	83	23575	0.734	ug/L	91
29) 1,1,1-Trichloroethane	4.91	97	45221	1.599	ug/L	99
31) Carbon tetrachloride	4.90	117	6279	0.264	ug/L	95
34) Trichloroethene	6.19	95	2546	0.135	ug/L	81
35) Methylcyclohexane	6.32	83	20341	0.678	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	9819	0.475	ug/L #	91
48) 2-Hexanone	8.36	43	19143	2.142	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	10052	0.870	ug/L	90

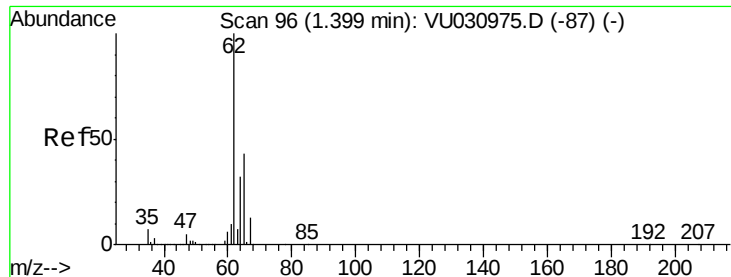
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 10 04:30:45 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.298 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030984.D

Acq: 10 Apr 2019 03:08

Instrument :

MSVOA_U

ClientSampleId :

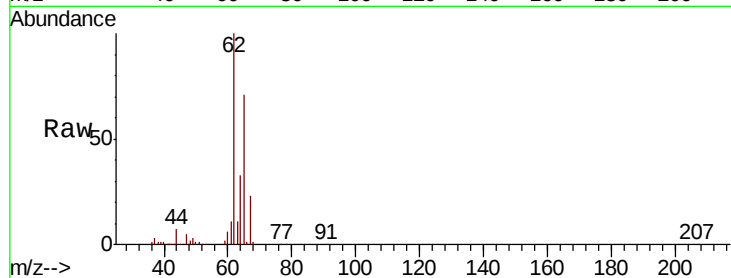
E3YD1DL

Tot Ion: 62 Resp: 85382

Ion Ratio Lower Upper

62 100

64 32.9 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU030975.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU030975.D (-87) (-)

1.40

80000

60000

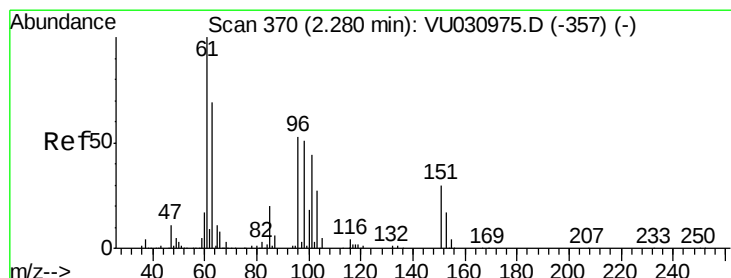
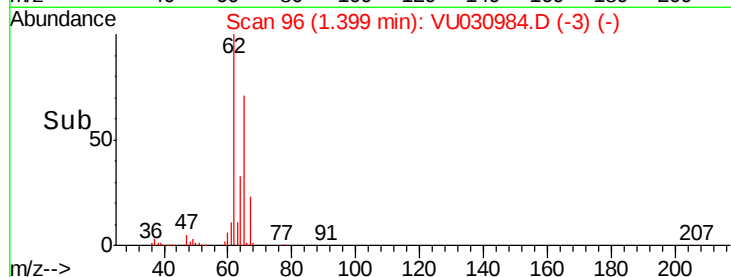
40000

20000

0

1.35 1.40 1.45

Time-->



#12

1,1-Dichloroethene

Concen: 0.196 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030984.D

Acq: 10 Apr 2019 03:08

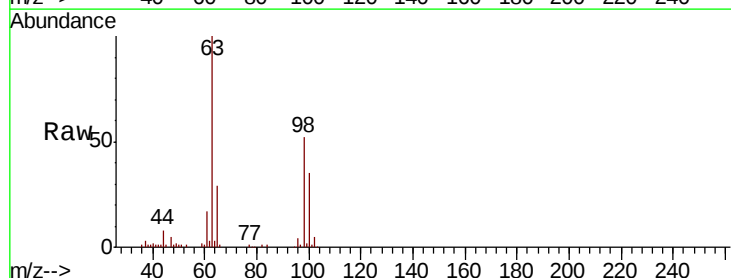
Tgt Ion: 96 Resp: 3090

Ion Ratio Lower Upper

96 100

61 396.8 136.9 254.3#

63 2293.0 107.7 200.1#



Abundance Ion 96.00 (95.70 to 96.70): VU030975.D (-357) (-)

Ion 61.05 (60.75 to 61.75): VU030975.D (-357) (-)

Ion 63.00 (62.70 to 63.70): VU030975.D (-357) (-)

80000

60000

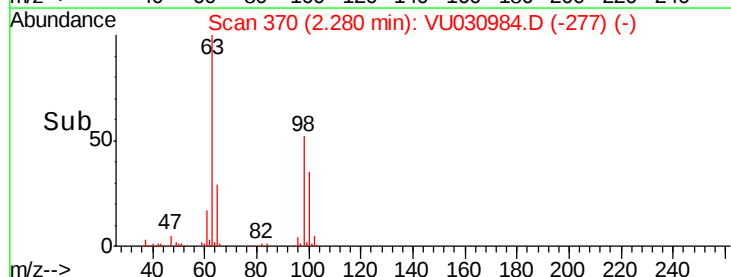
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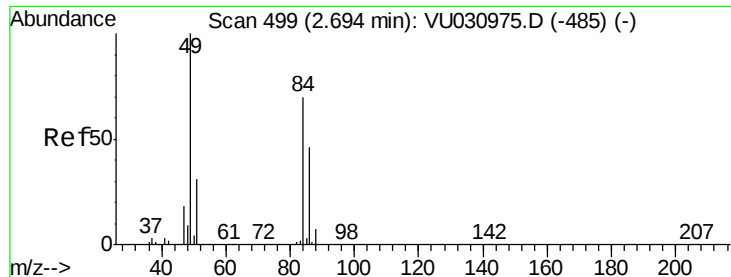
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0

2.25 2.30

Time-->

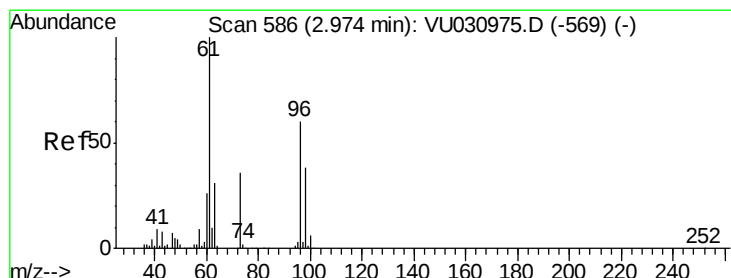
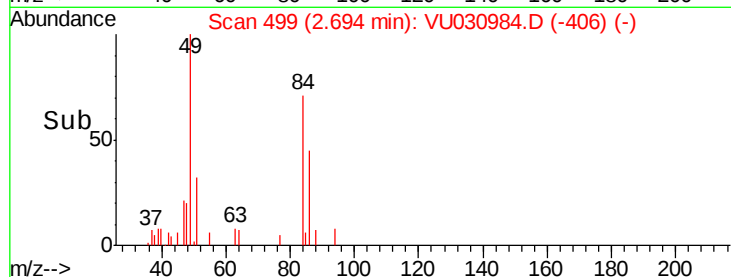
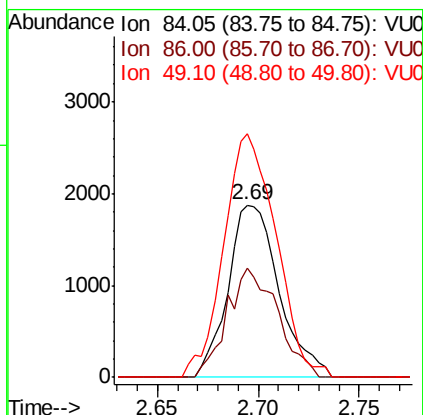
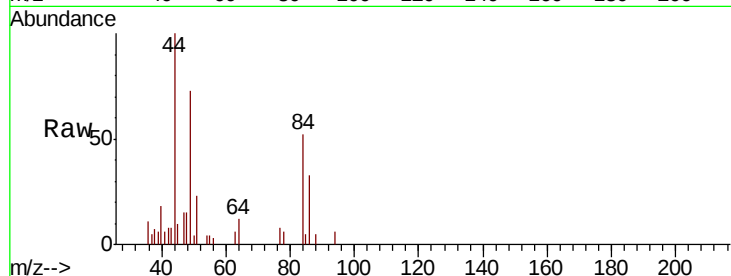




#16
Methylene chloride
Concen: 0.180 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030984.D
Acq: 10 Apr 2019 03:08

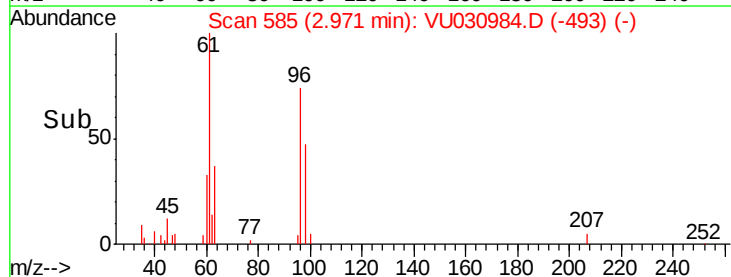
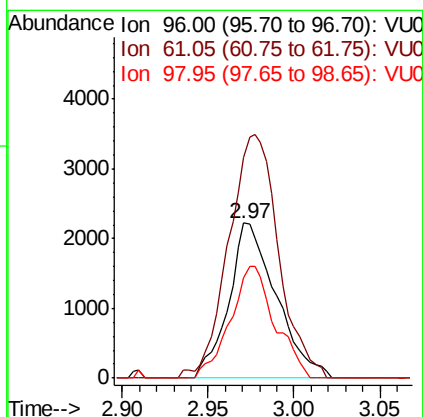
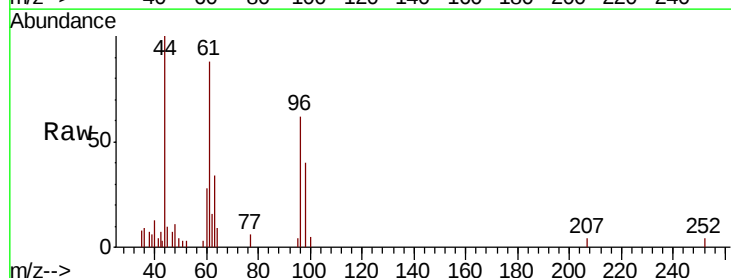
Instrument :
MSVOA_U
ClientSampleId :
E3YD1DL

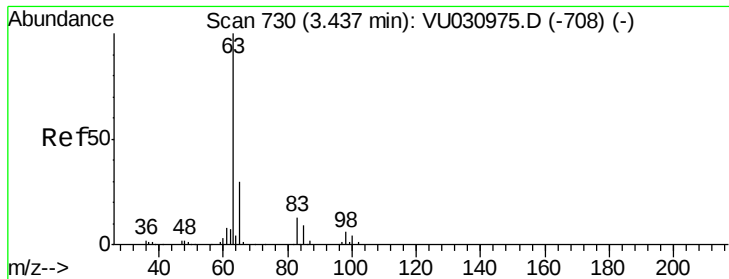
Tot Ion: 84 Resp: 3317
Ion Ratio Lower Upper
84 100
86 63.5 43.4 80.6
49 141.2 98.5 182.9



#18
trans-1,2-Dichloroethene
Concen: 0.257 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU030984.D
Acq: 10 Apr 2019 03:08

Tgt Ion: 96 Resp: 4275
Ion Ratio Lower Upper
96 100
61 142.4 116.8 216.8
98 64.4 46.8 87.0

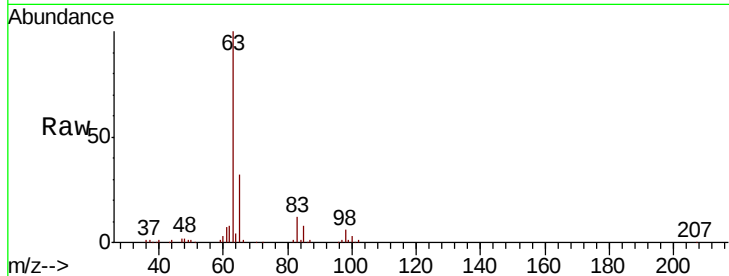




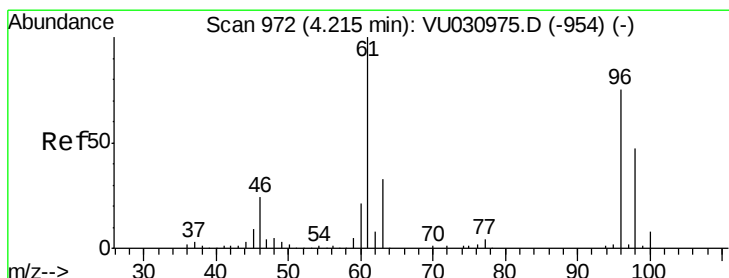
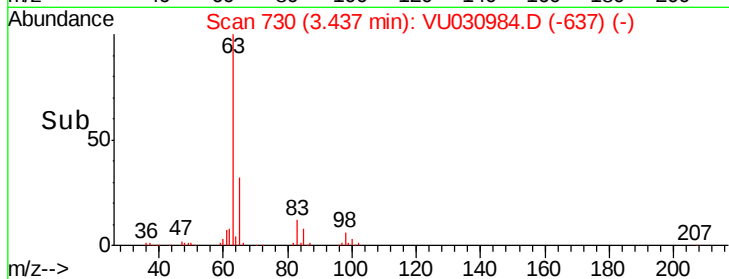
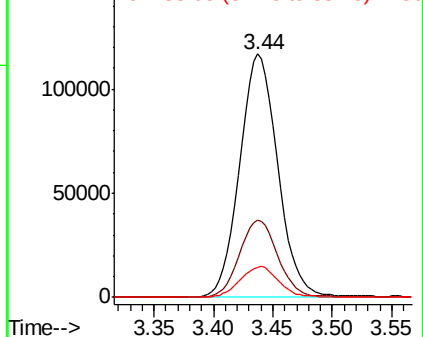
#19
 1,1-Dichloroethane
 Concen: 7.346 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030984.D
 Acq: 10 Apr 2019 03:08

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD1DL

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	21.6	40.0
83	12.5	9.1	16.9

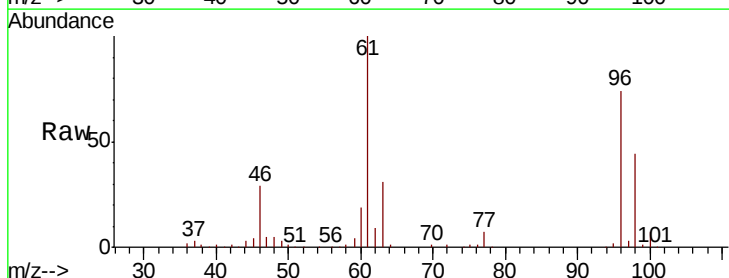


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

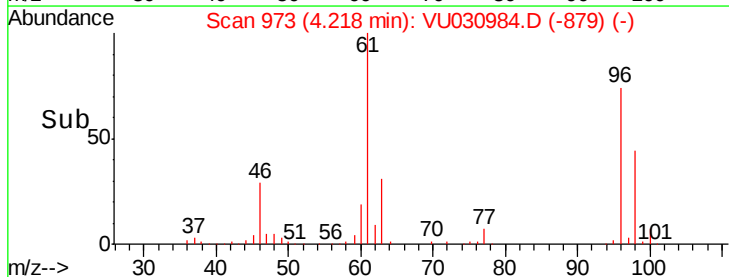
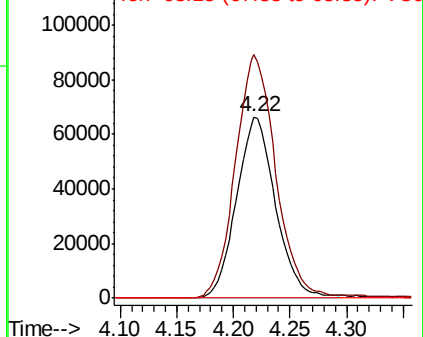


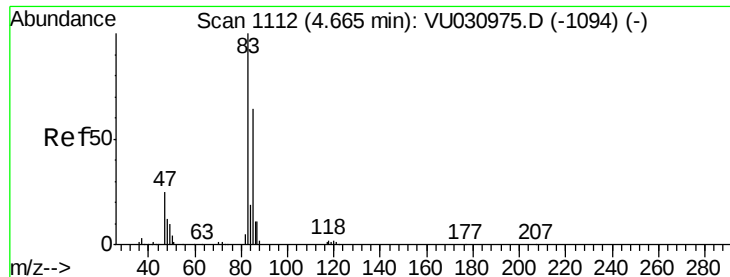
#22
 cis-1,2-Dichloroethene
 Concen: 8.964 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030984.D
 Acq: 10 Apr 2019 03:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.5	98.9	183.7
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

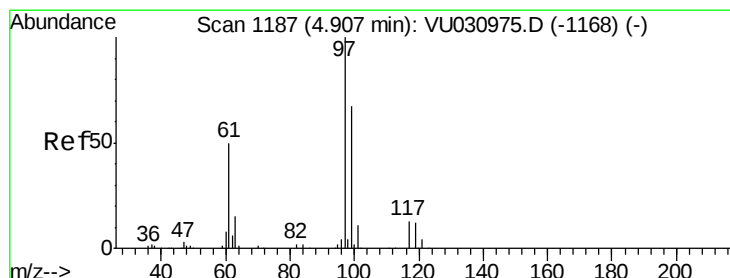
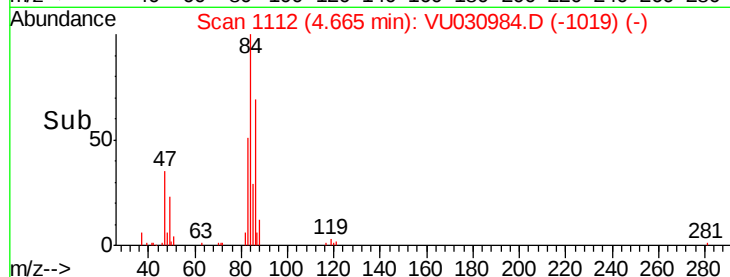
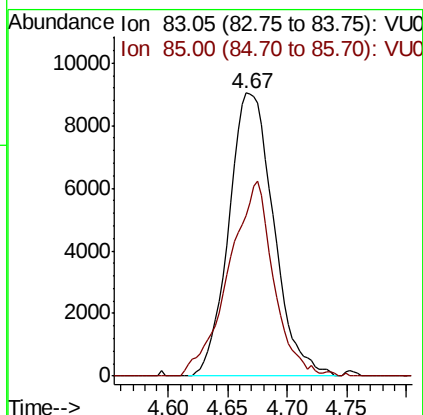
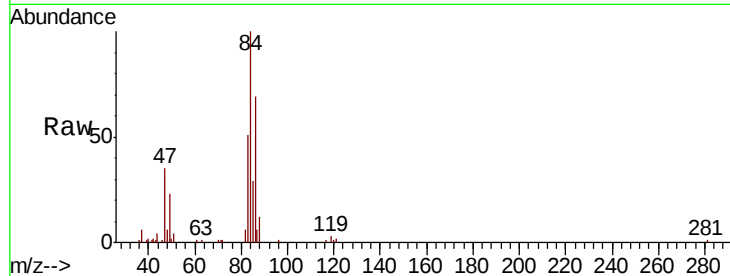




#25
 Chloroform
 Concen: 0.734 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VU030984.D
 Acq: 10 Apr 2019 03:08

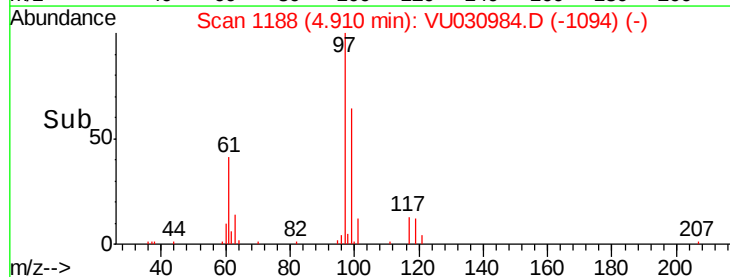
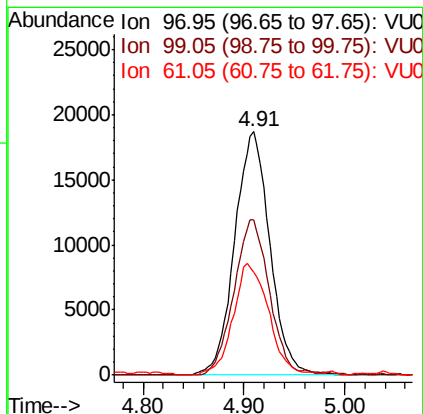
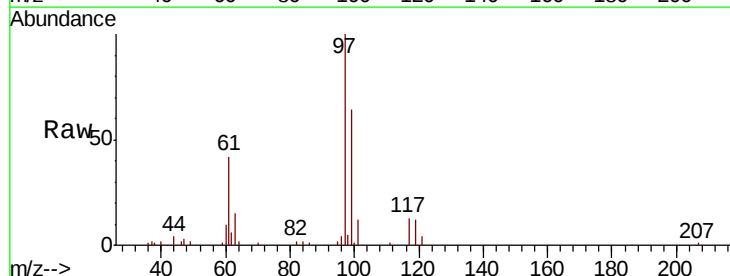
Instrument :
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 ClientSampleId :
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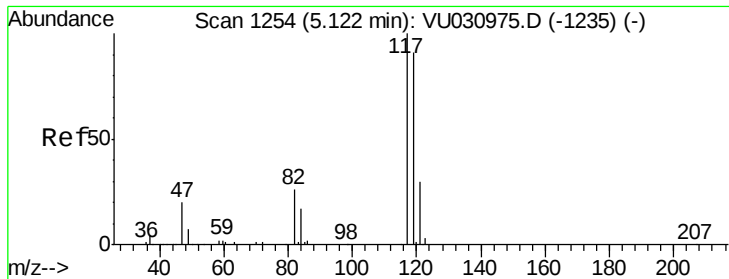
Tot Ion: 83 Resp: 23575
 Ion Ratio Lower Upper
 83 100
 85 56.5 44.2 82.2



#29
 1,1,1-Trichloroethane
 Concen: 1.599 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU030984.D
 Acq: 10 Apr 2019 03:08

Tgt Ion: 97 Resp: 45221
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.8 77.6
 61 46.3 38.1 57.1





#31

Carbon tetrachloride

Concen: 0.264 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.22 min

Lab File: VU030984.D

Acq: 10 Apr 2019 03:08

Instrument :

MSVOA_U

ClientSampleId :

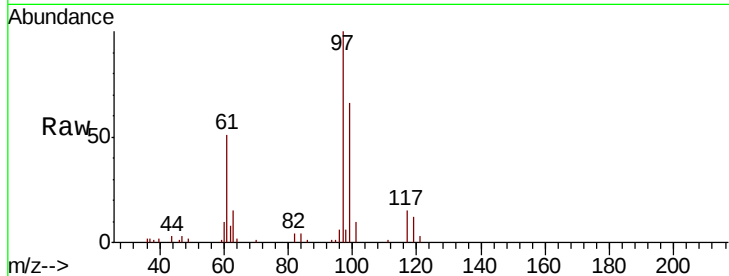
E3YD1DL

Tot Ion:117 Resp: 6279

Ion Ratio Lower Upper

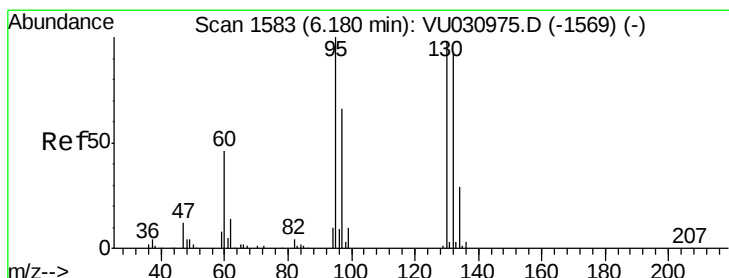
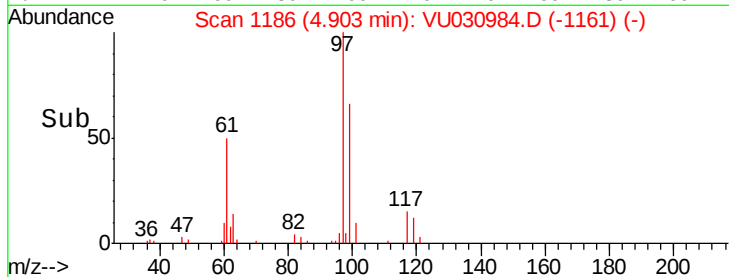
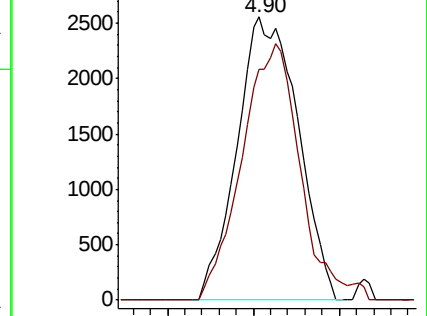
117 100

119 86.9 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.135 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030984.D

Acq: 10 Apr 2019 03:08

Tgt Ion: 95 Resp: 2546

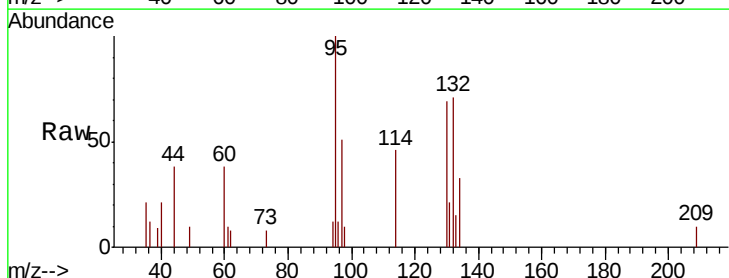
Ion Ratio Lower Upper

95 100

97 51.1 43.5 80.9

132 70.7 60.7 112.7

130 69.3 65.1 120.9

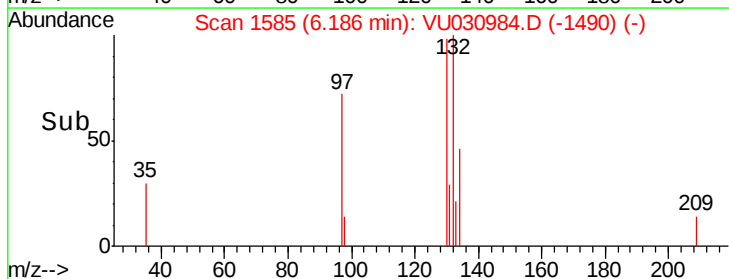
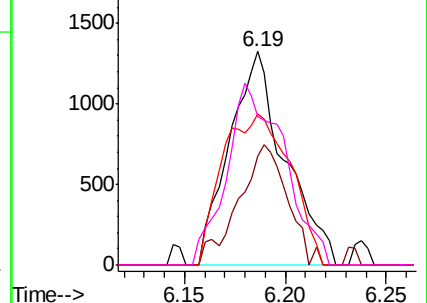


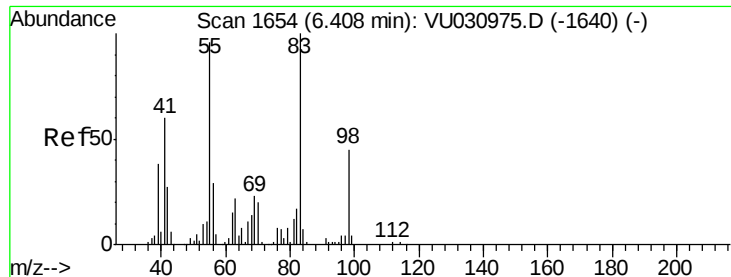
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

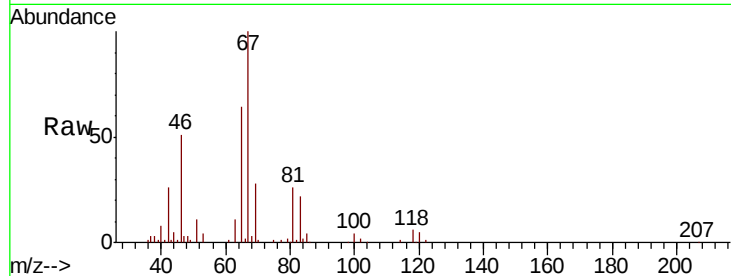




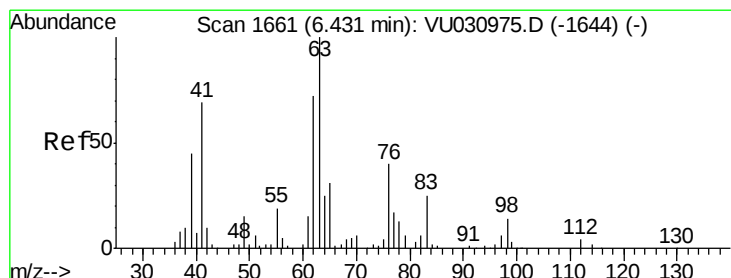
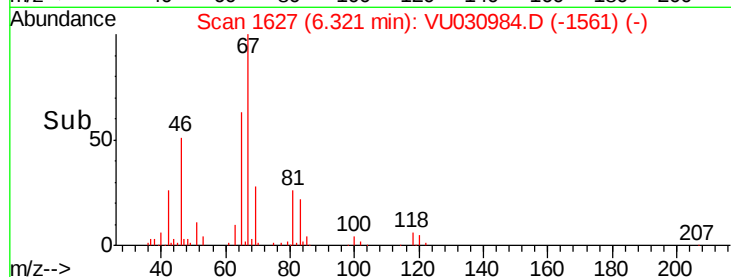
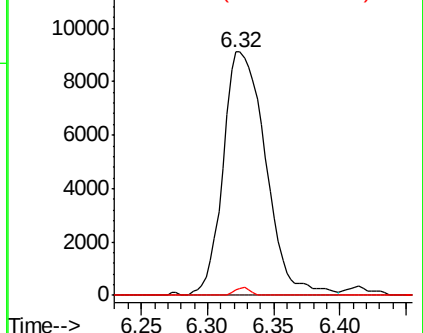
#35
Methylcyclohexane
Concen: 0.678 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU030984.D
Acq: 10 Apr 2019 03:08

Instrument :
MSVOA_U
ClientSampleId :
E3YD1DL

Tot Ion: 83 Resp: 20341
Ion Ratio Lower Upper
83 100
55 0.0 72.6 108.8#
98 1.2 35.0 52.6#

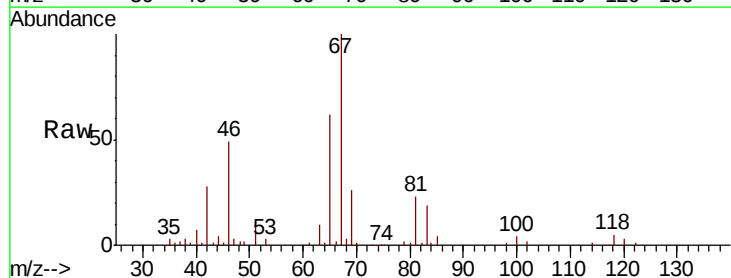


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

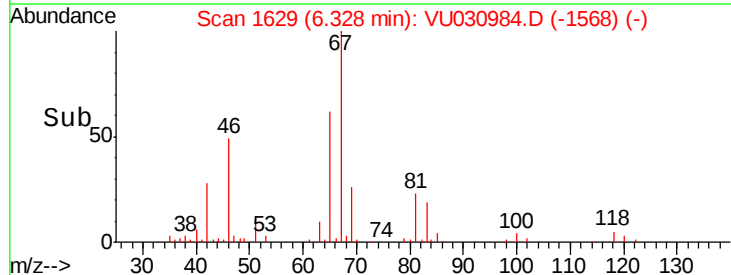
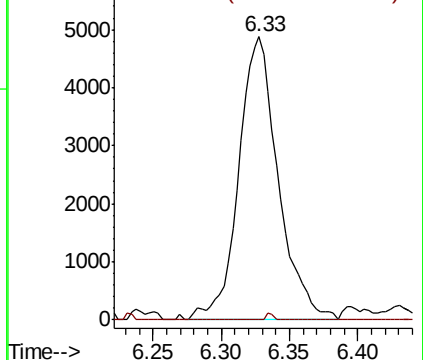


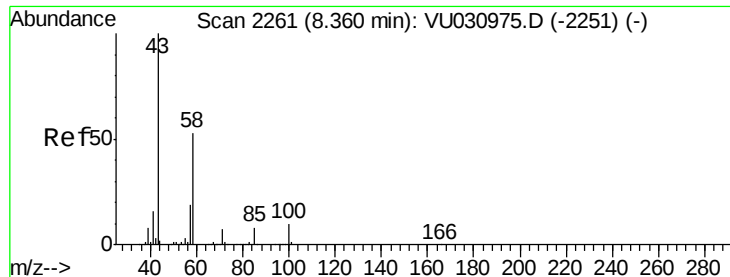
#37
1,2-Dichloropropane
Concen: 0.475 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU030984.D
Acq: 10 Apr 2019 03:08

Tgt Ion: 63 Resp: 9819
Ion Ratio Lower Upper
63 100
112 0.4 2.8 4.2#



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

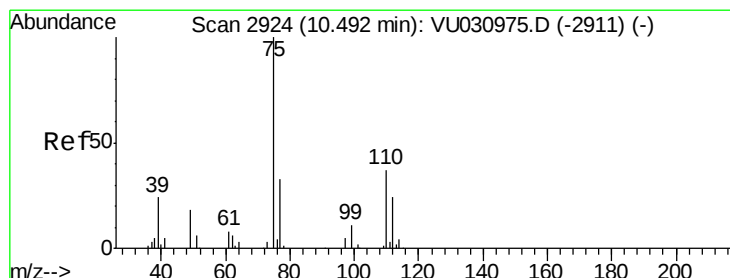
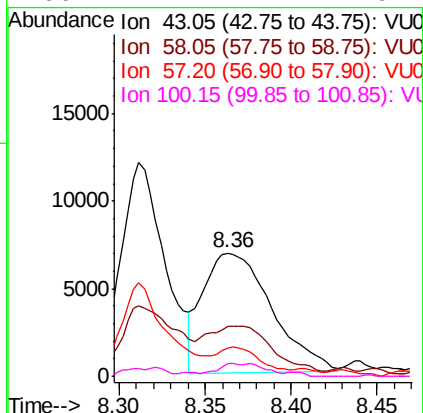
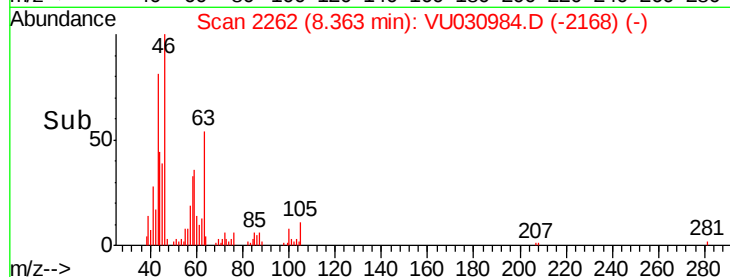
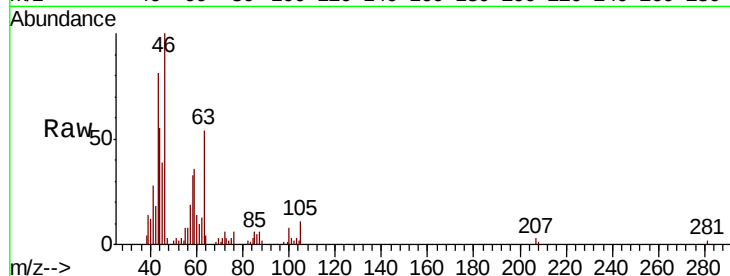




#48
2-Hexanone
Concen: 2.142 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030984.D
Acq: 10 Apr 2019 03:08

Instrument :
MSVOA_U
ClientSampleId :
E3YD1DL

Tot Ion: 43 Resp: 19143
Ion Ratio Lower Upper
43 100
58 41.6 42.5 63.7#
57 16.5 13.9 20.9
100 2.2 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 0.870 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU030984.D
Acq: 10 Apr 2019 03:08

Tgt Ion: 75 Resp: 10052
Ion Ratio Lower Upper
75 100
77 37.5 25.6 38.4

