

Data File : VU032948.D
Acq On : 21 Jun 2019 16:47
Operator : JC/SP
Sample : K3463-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-2-8.0-062019

Quant Time: Jun 22 00:38:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 00:32:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193744	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188192	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89393	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58660	44.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.60%
7) Chloroethane-d5	1.68	69	45516	43.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.26	63	82685	31.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.00%
21) 2-Butanone-d5	4.17	46	124762	113.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.21%
24) Chloroform-d	4.64	84	117319	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
26) 1,2-Dichloroethane-d4	5.30	65	82504	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.24%
32) Benzene-d6	5.33	84	221159	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.16%
36) 1,2-Dichloropropane-d6	6.33	67	74702	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.60%
41) Toluene-d8	7.56	98	195294	42.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.02%
43) trans-1,3-Dichloropropene-	7.85	79	36029	44.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.64%
47) 2-Hexanone-d5	8.31	63	74031	101.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.45%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116405	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	84769	49.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	888741	505.151	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	791	0.611	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	2408	1.974	ug/L #	1
13) Acetone	2.32	43	1486	0.976	ug/L	77
14) Carbon disulfide	2.47	76	2357	0.611	ug/L #	88
17) trans-1,2-Dichloroethene	2.97	96	6190	4.679	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	1304821	905.289	ug/L	93
34) Trichloroethene	6.18	95	3058	2.111	ug/L	94
37) 1,2-Dichloropropane	6.32	63	8937	6.010	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2546	1.099	ug/L #	77
40) 4-Methyl-2-pentanone	7.46	43	1677	0.706	ug/L #	89
42) Toluene	7.64	91	2801	0.478	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	1907	0.876	ug/L	89
48) 2-Hexanone	8.36	43	3414	1.630	ug/L #	98
63) 1,4-Dichlorobenzene	11.50	146	1650	0.575	ug/L #	87
69) Naphthalene	13.77	128	1970	0.334	ug/L #	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062219\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 00:32:21 2019
Response via : Initial Calibration

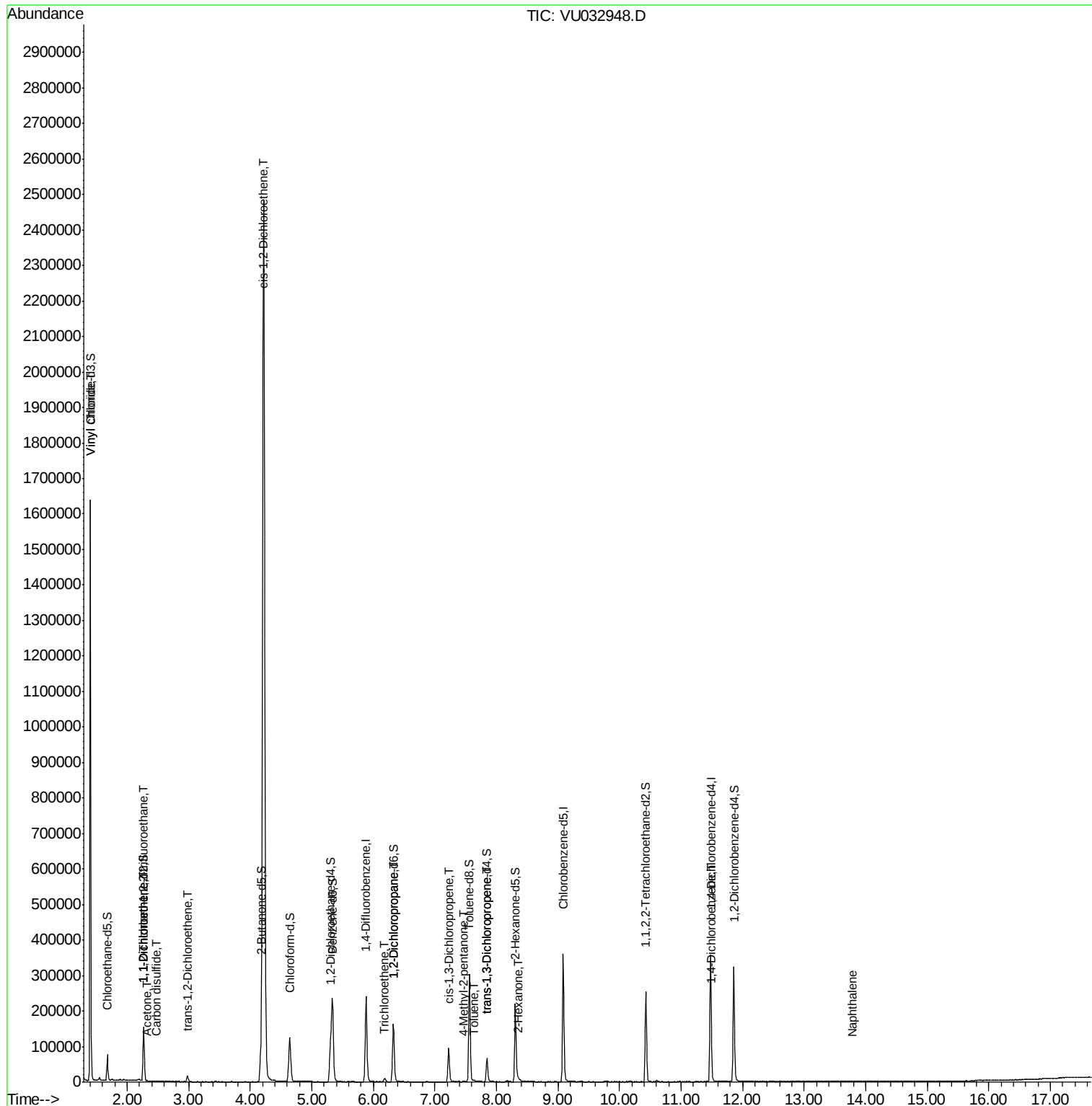
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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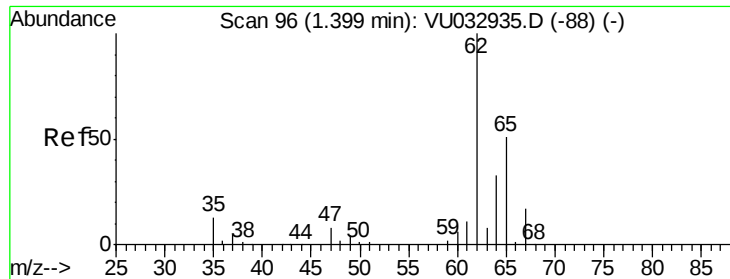
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 505.151 ug/L

RT: 1.40 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU032948.D

Acq: 21 Jun 2019 16:47

Instrument :

MSVOA_U

ClientSampleId :

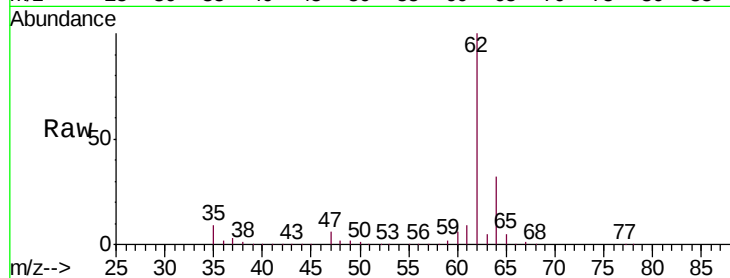
T11-MW-2-8.0-062019

Tgt Ion: 62 Resp: 888741

Ion Ratio Lower Upper

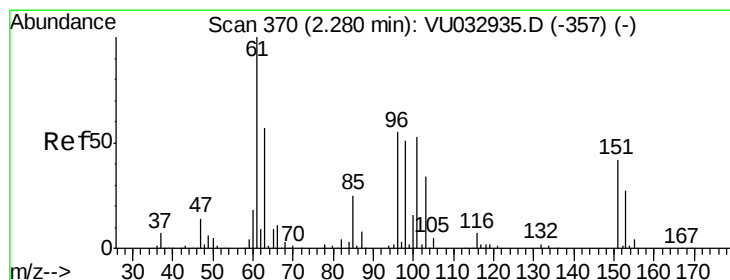
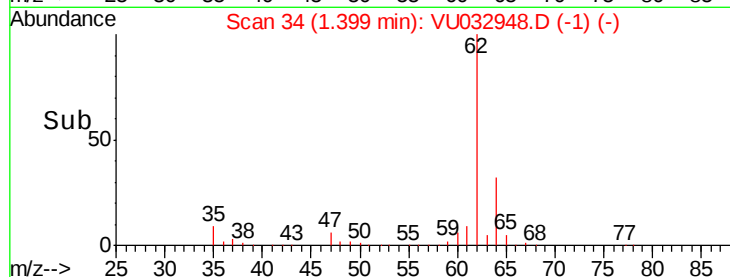
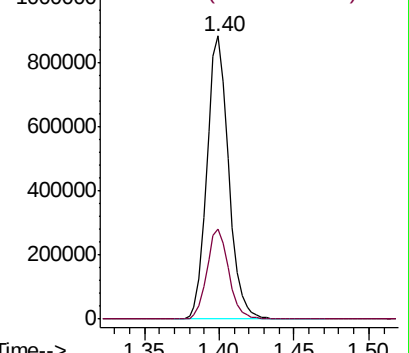
62 100

64 32.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#10

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

Concen: 0.611 ug/L

RT: 2.27 min Scan# 304

Delta R.T. -0.01 min

Lab File: VU032948.D

Acq: 21 Jun 2019 16:47

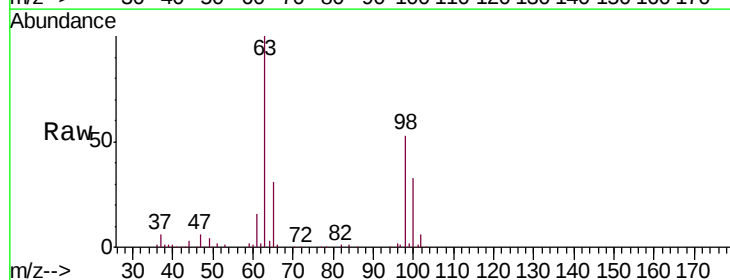
Tgt Ion: 101 Resp: 791

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

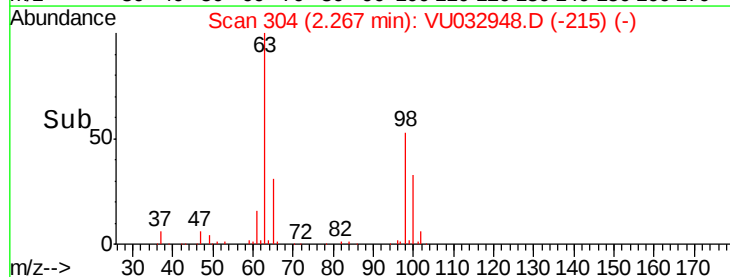
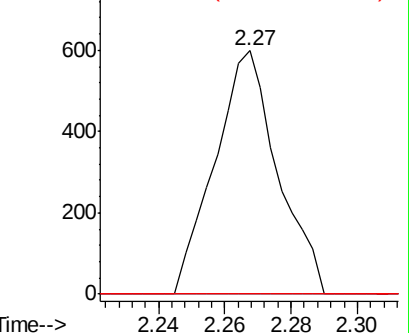
151 0.0 63.6 95.4#

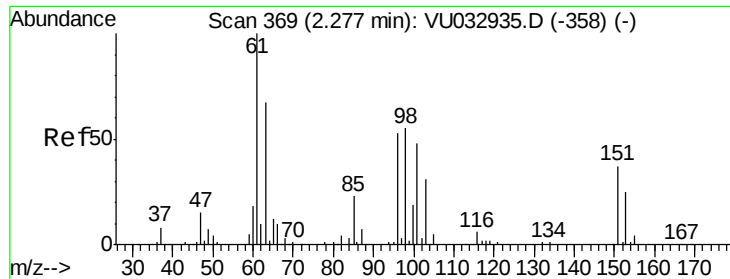


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

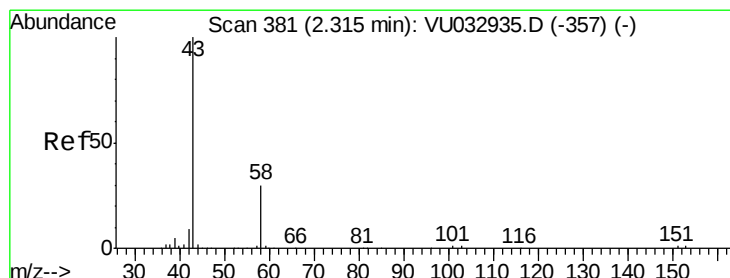
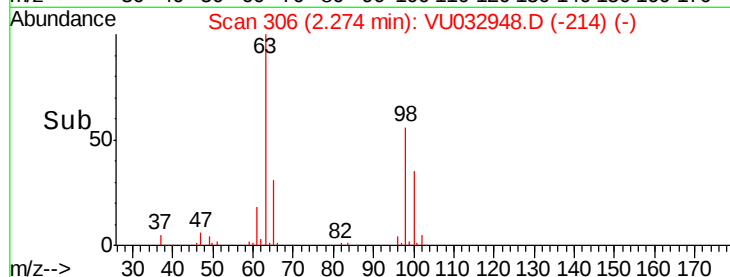
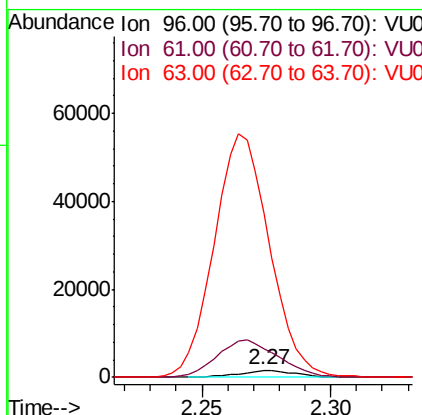
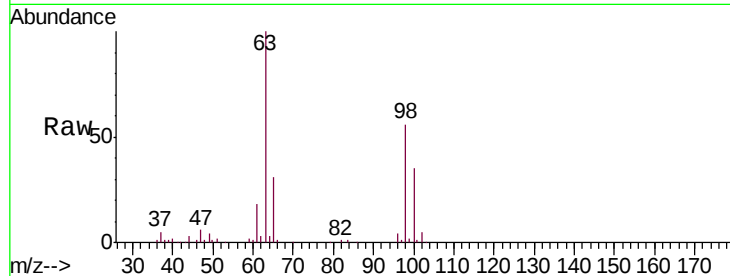




#12
 1,1-Dichloroethene
 Concen: 1.974 ug/L
 RT: 2.27 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VU032948.D
 Acq: 21 Jun 2019 16:47

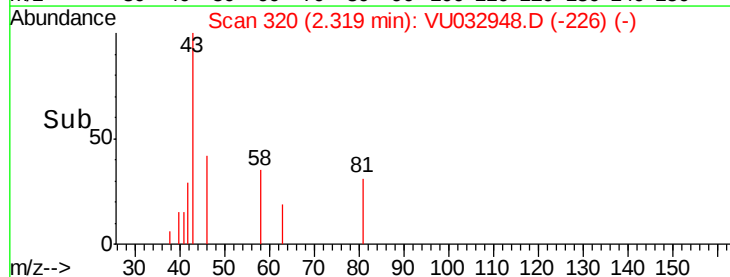
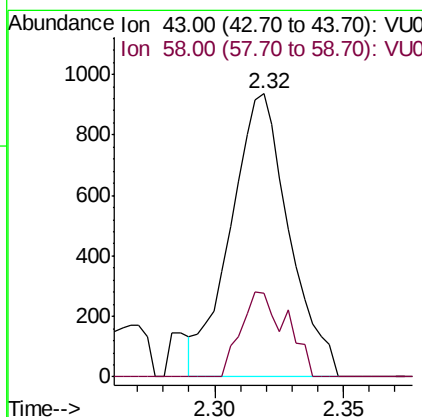
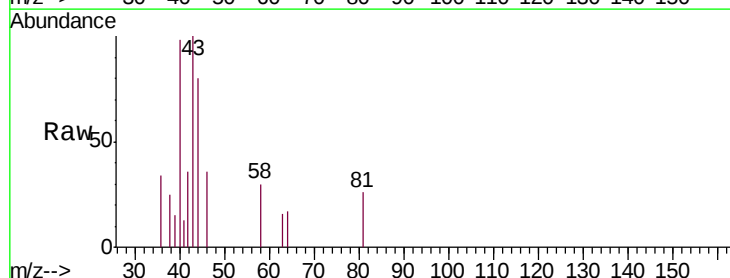
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-2-8.0-062019

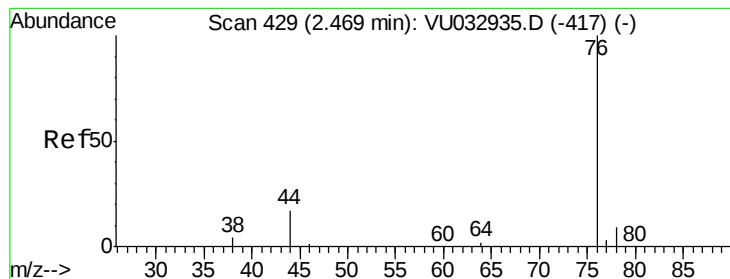
Tgt Ion: 96 Resp: 2408
 Ion Ratio Lower Upper
 96 100
 61 429.6 131.0 243.4#
 63 2412.9 101.0 187.6#



#13
 Acetone
 Concen: 0.976 ug/L
 RT: 2.32 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: VU032948.D
 Acq: 21 Jun 2019 16:47

Tgt Ion: 43 Resp: 1486
 Ion Ratio Lower Upper
 43 100
 58 17.6 0.0 60.6





#14

Carbon disulfide

Concen: 0.611 ug/L

RT: 2.47 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU032948.D

Acq: 21 Jun 2019 16:47

Instrument :

MSVOA_U

ClientSampleId :

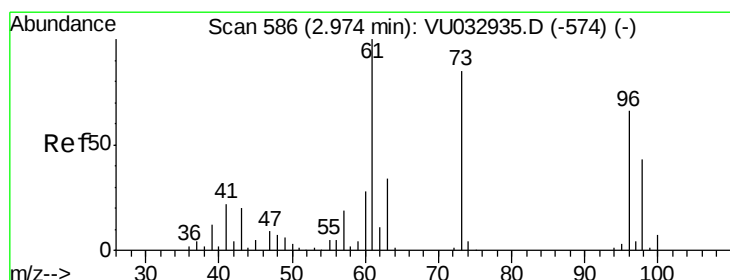
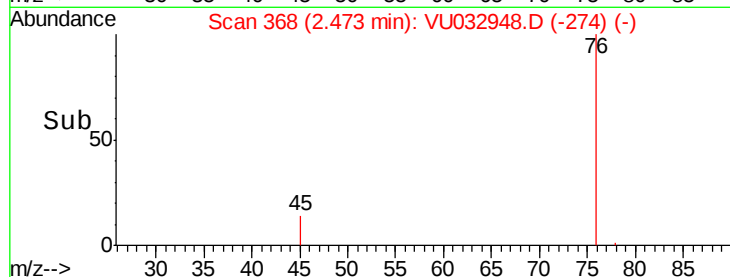
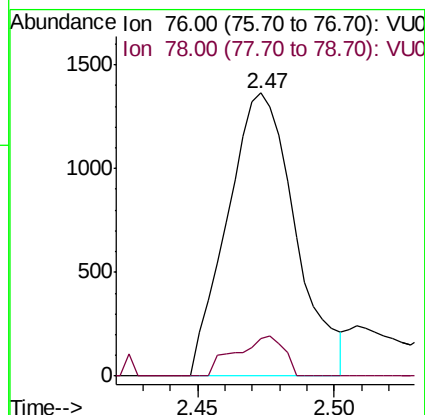
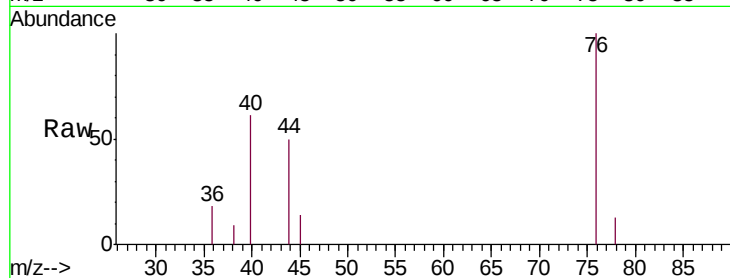
T11-MW-2-8.0-062019

Tgt Ion: 76 Resp: 2357

Ion Ratio Lower Upper

76 100

78 13.5 7.3 10.9#



#17

trans-1,2-Dichloroethene

Concen: 4.679 ug/L

RT: 2.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: VU032948.D

Acq: 21 Jun 2019 16:47

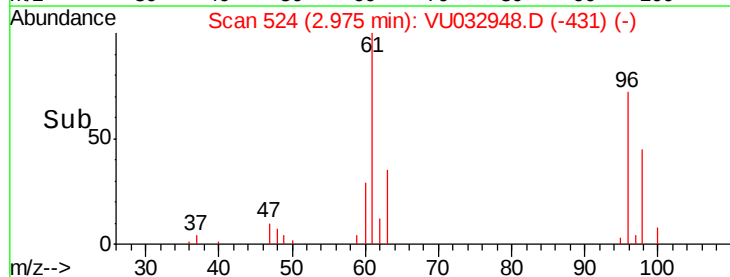
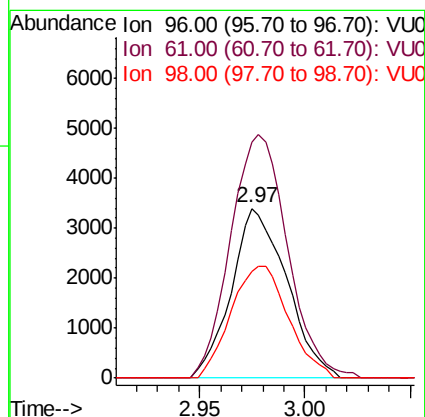
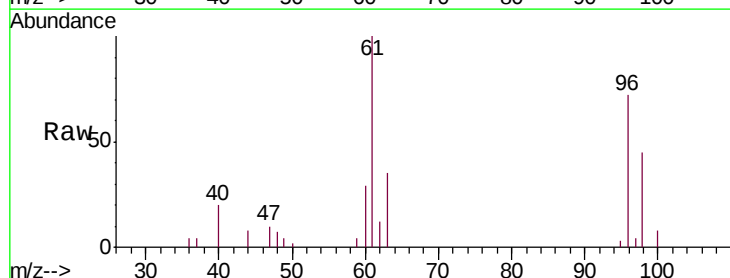
Tgt Ion: 96 Resp: 6190

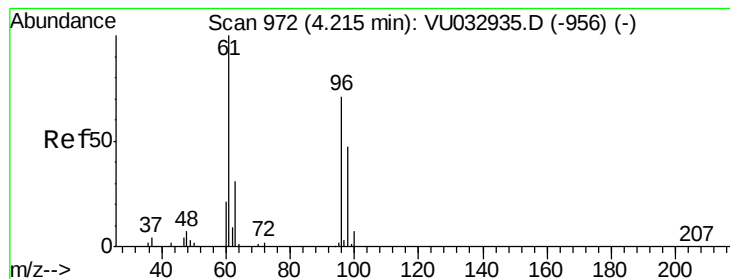
Ion Ratio Lower Upper

96 100

61 138.8 100.9 187.5

98 62.5 44.0 81.8



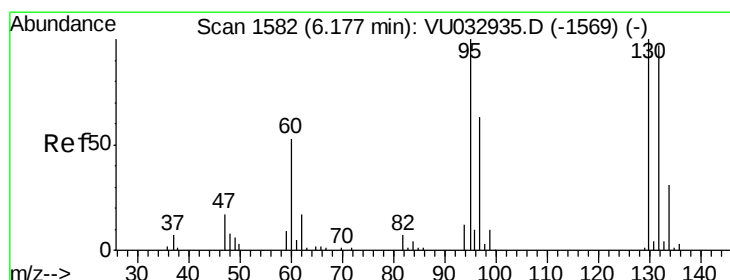
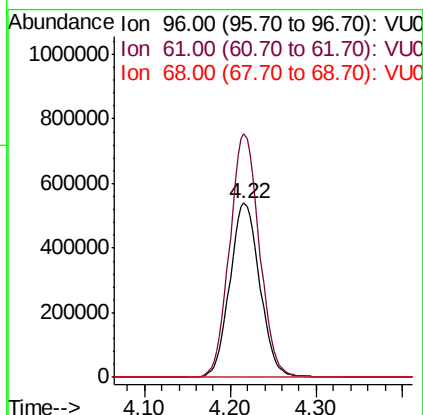
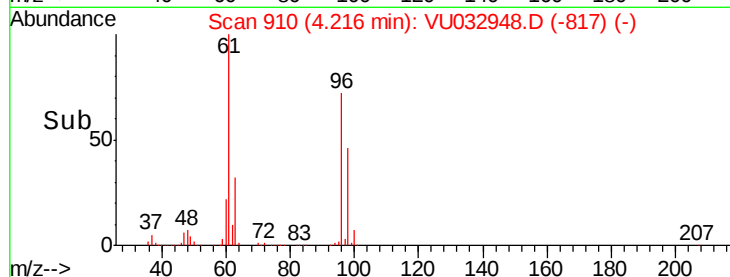
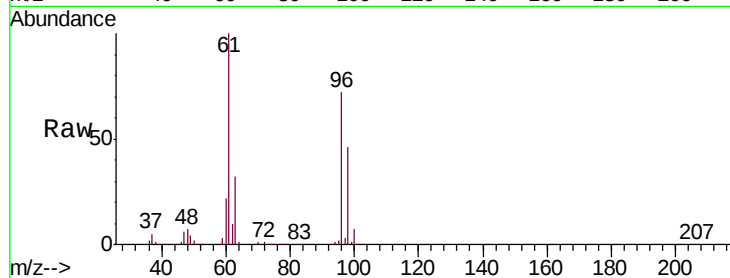


#20

cis-1,2-Dichloroethene
Concen: 905.289 ug/L
RT: 4.22 min Scan# 910
Delta R.T. 0.00 min
Lab File: VU032948.D
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Instrument :
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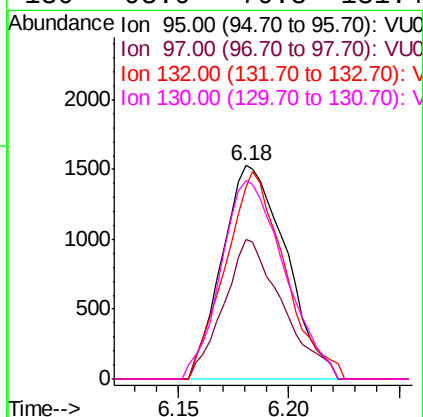
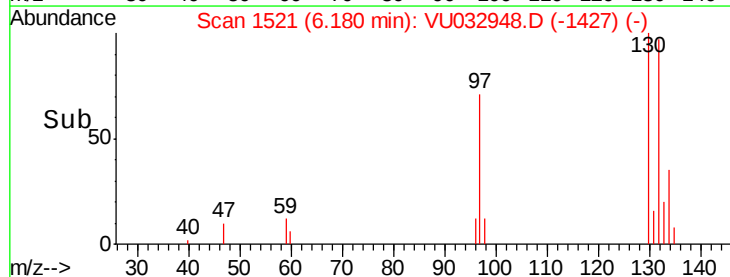
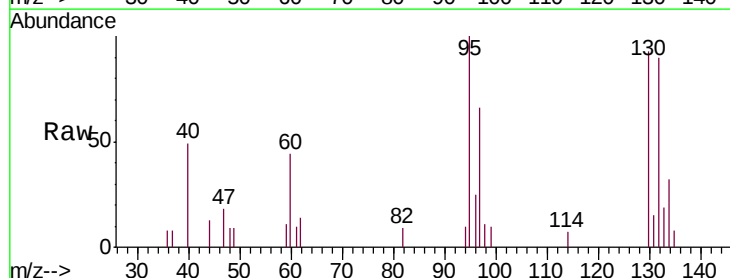
Tgt Ion: 96 Resp: 1304821
Ion Ratio Lower Upper
96 100
61 139.8 92.4 171.6
68 0.0 0.0 0.0

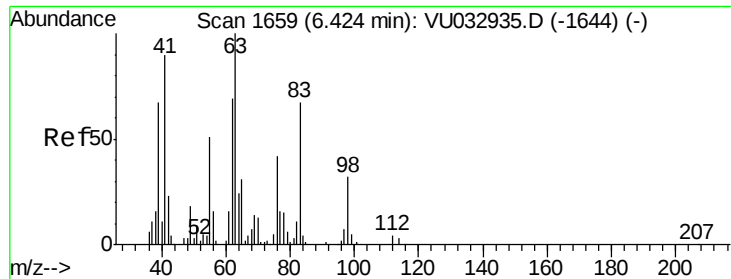


#34

Trichloroethene
Concen: 2.111 ug/L
RT: 6.18 min Scan# 1521
Delta R.T. 0.00 min
Lab File: VU032948.D
Acq: 21 Jun 2019 16:47

Tgt Ion: 95 Resp: 3058
Ion Ratio Lower Upper
95 100
97 65.6 45.9 85.3
132 90.1 68.5 127.3
130 93.0 70.8 131.4

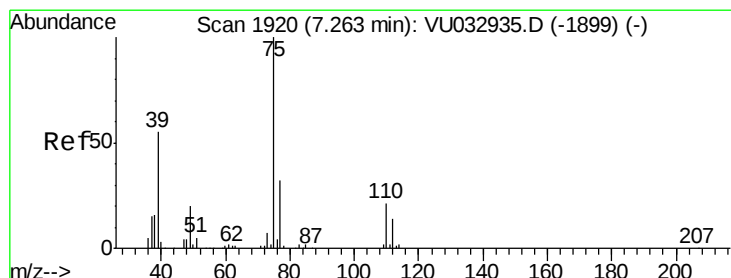
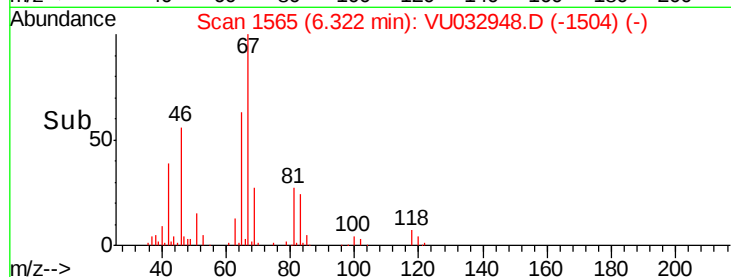
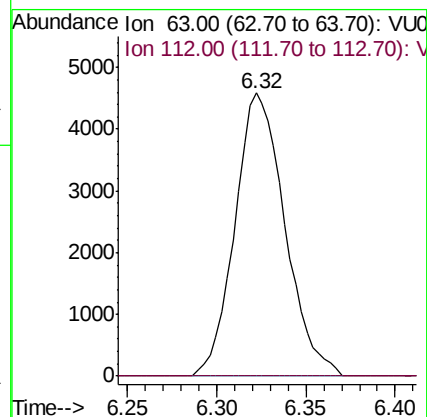
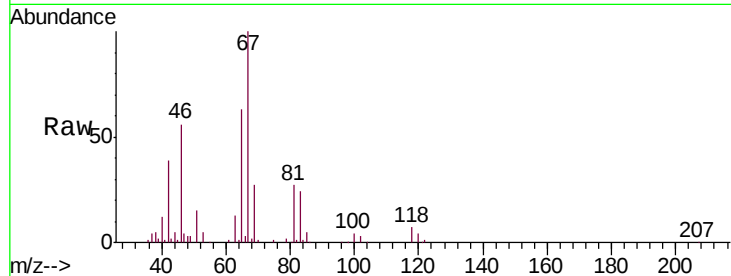




#37
 1,2-Dichloropropane
 Concen: 6.010 ug/L
 RT: 6.32 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VU032948.D
 Acq: 21 Jun 2019 16:47

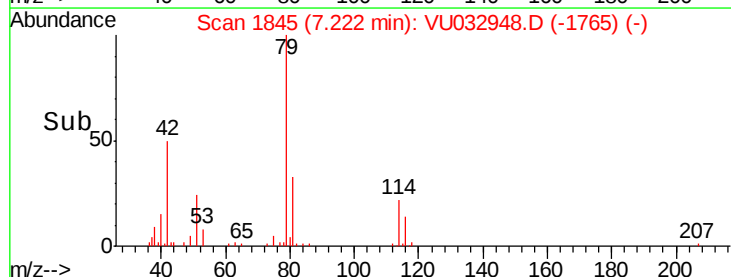
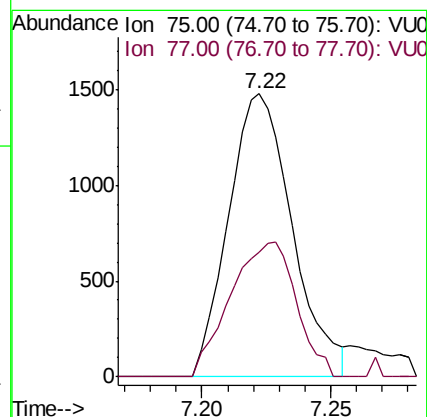
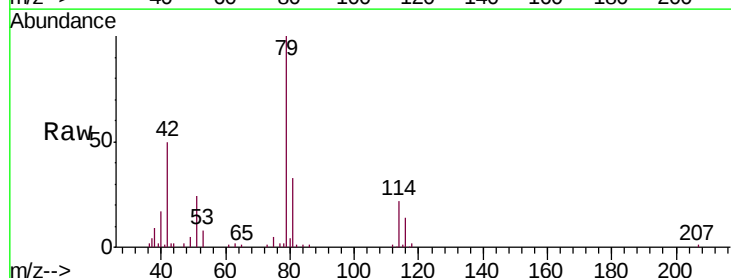
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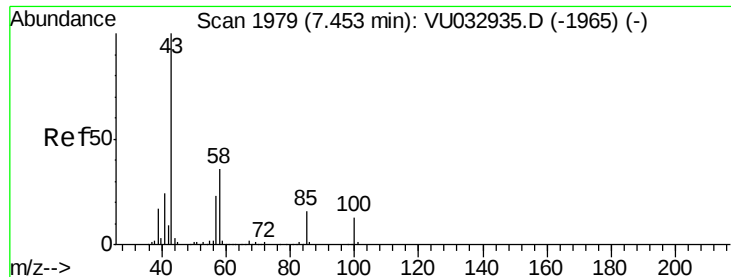
Tgt Ion: 63 Resp: 8937
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.099 ug/L
 RT: 7.22 min Scan# 1845
 Delta R.T. -0.04 min
 Lab File: VU032948.D
 Acq: 21 Jun 2019 16:47

Tgt Ion: 75 Resp: 2546
 Ion Ratio Lower Upper
 75 100
 77 44.2 21.9 40.7#

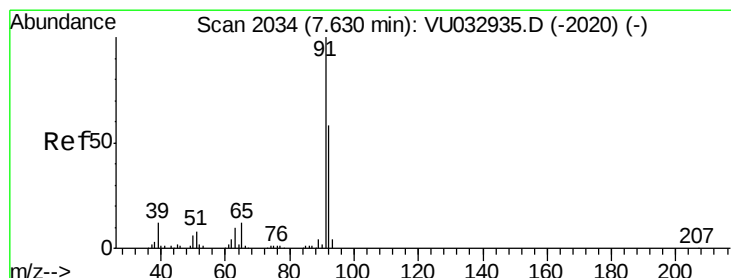
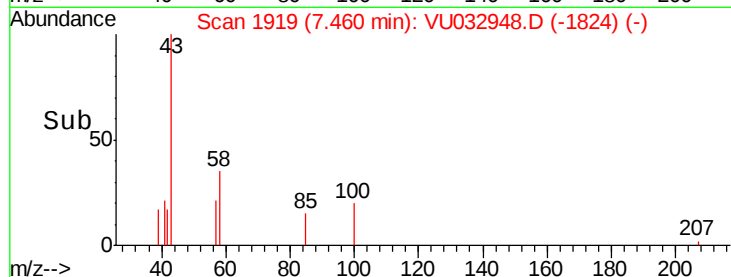
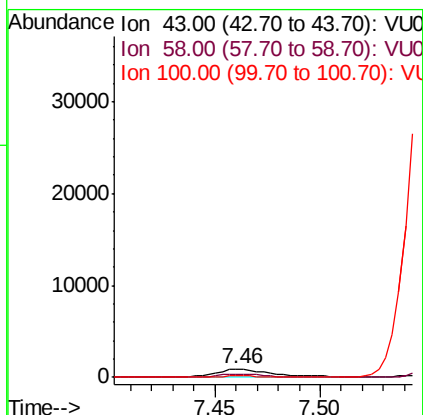
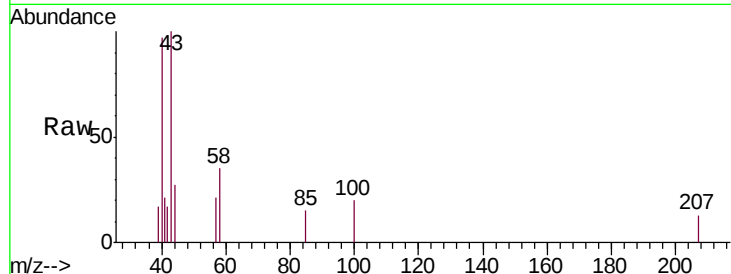




#40
4-Methyl-2-pentanone
Concen: 0.706 ug/L
RT: 7.46 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VU032948.D
Acq: 21 Jun 2019 16:47

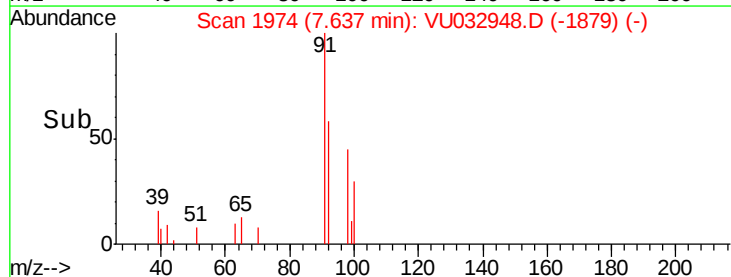
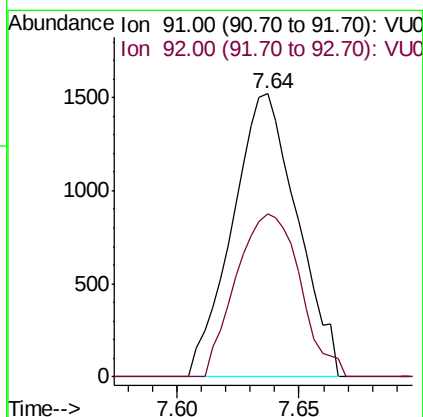
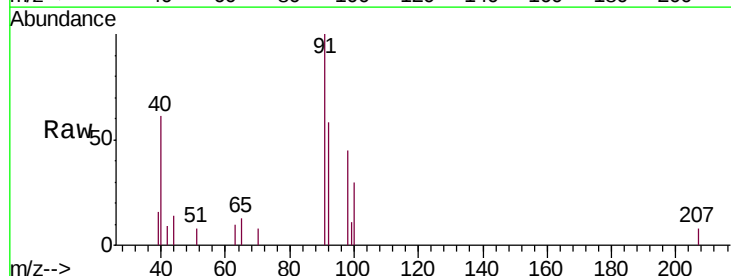
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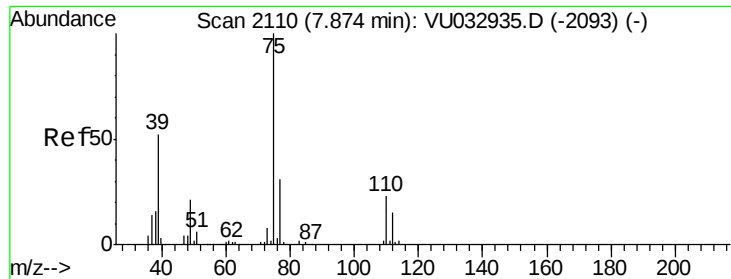
Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
58 30.5 29.4 44.2
100 8.7 11.2 16.8#



#42
Toluene
Concen: 0.478 ug/L
RT: 7.64 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VU032948.D
Acq: 21 Jun 2019 16:47

Tgt Ion: 91 Resp: 2801
Ion Ratio Lower Upper
91 100
92 57.5 40.4 75.0

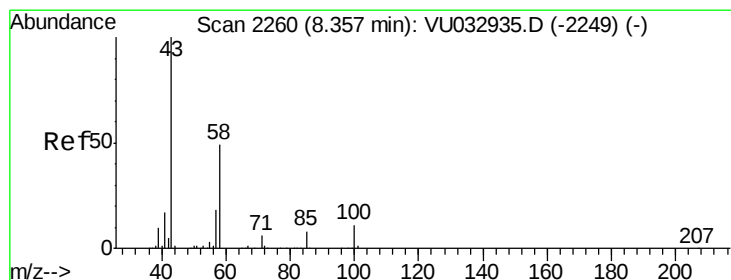
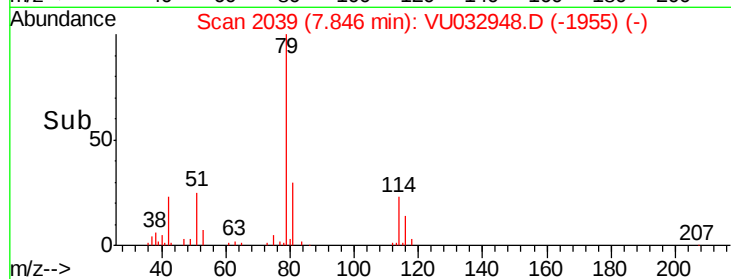
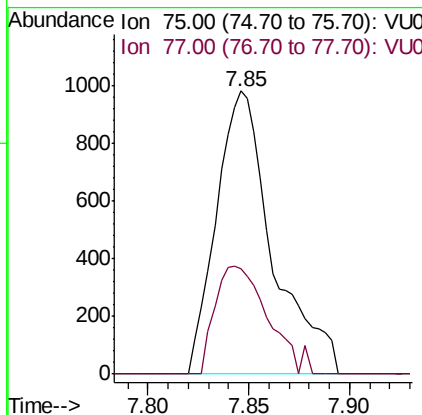
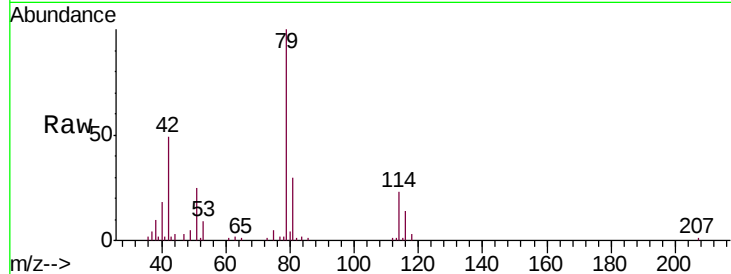




#44
trans-1,3-Dichloropropene
Concen: 0.876 ug/L
RT: 7.85 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VU032948.D
Acq: 21 Jun 2019 16:47

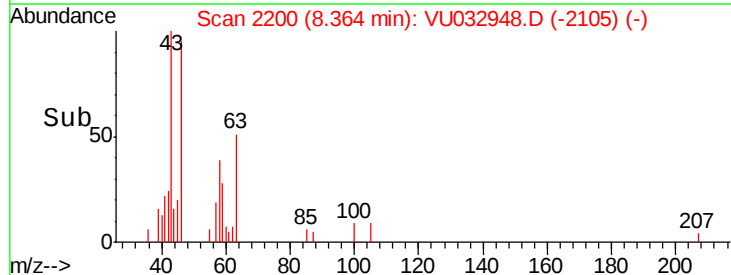
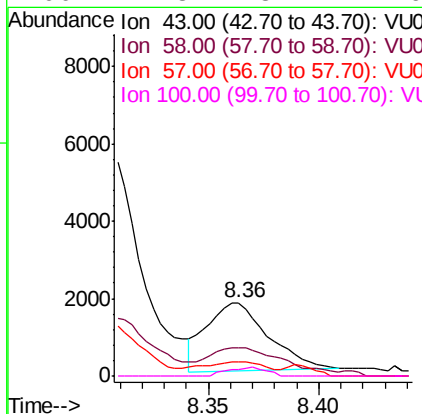
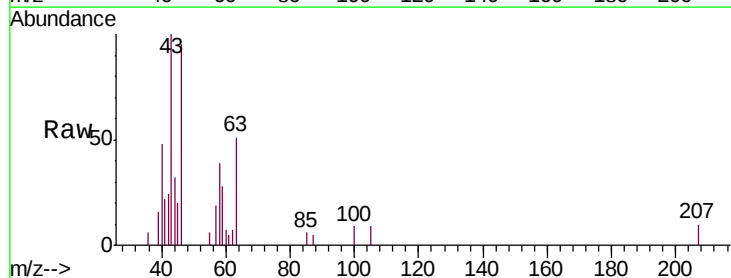
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-2-8.0-062019

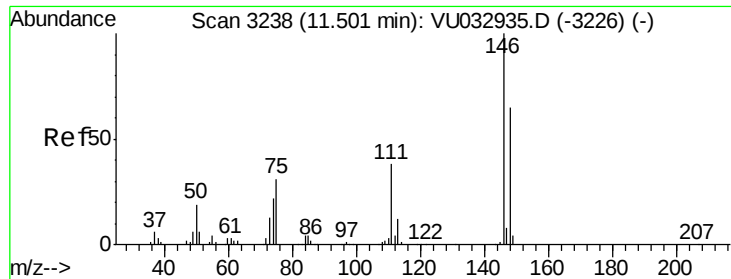
Tgt Ion: 75 Resp: 1907
Ion Ratio Lower Upper
75 100
77 37.2 21.8 40.4



#48
2-Hexanone
Concen: 1.630 ug/L
RT: 8.36 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VU032948.D
Acq: 21 Jun 2019 16:47

Tgt Ion: 43 Resp: 3414
Ion Ratio Lower Upper
43 100
58 50.4 40.2 60.2
57 15.5 14.2 21.4
100 7.8 8.4 12.6#

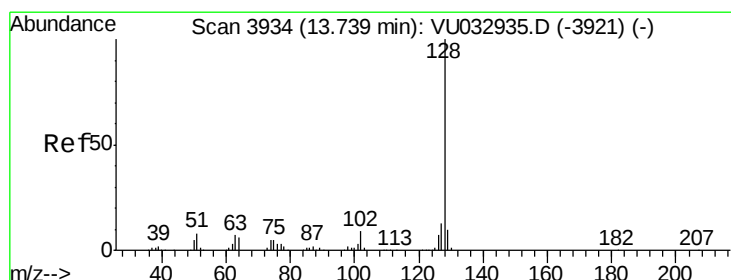
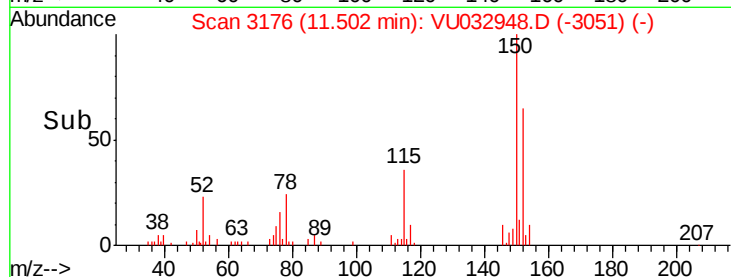
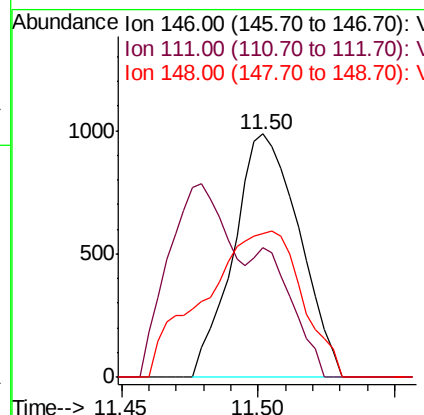
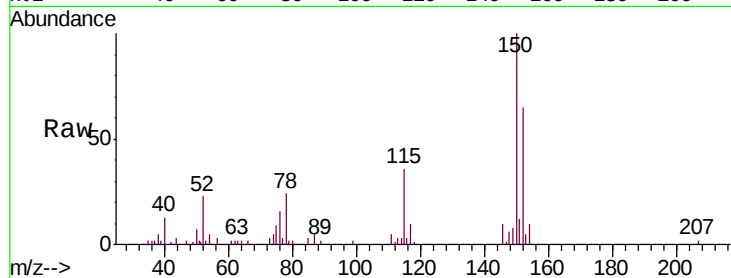




#63
1,4-Dichlorobenzene
Concen: 0.575 ug/L
RT: 11.50 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VU032948.D
Acq: 21 Jun 2019 16:47

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-2-8.0-062019

Tgt Ion:146 Resp: 1650
Ion Ratio Lower Upper
146 100
111 53.5 26.9 50.1#
148 59.2 44.7 83.1



#69
Naphthalene
Concen: 0.334 ug/L
RT: 13.77 min Scan# 3883
Delta R.T. 0.04 min
Lab File: VU032948.D
Acq: 21 Jun 2019 16:47

Tgt Ion:128 Resp: 1970
Ion Ratio Lower Upper
128 100
127 10.6 10.3 15.5
129 5.6 8.6 13.0#

