

Data File : VU032940.D
Acq On : 21 Jun 2019 13:20
Operator : JC/SP
Sample : K3463-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DUP-061919-01

Quant Time: Jun 22 00:35:42 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	190894	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187812	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87932	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49506	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.90%
7) Chloroethane-d5	1.68	69	45005	43.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.50%
11) 1,1-Dichloroethene-d2	2.27	63	77709	29.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.14%#
21) 2-Butanone-d5	4.17	46	116897	107.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.65%
24) Chloroform-d	4.64	84	114006	44.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.90%
26) 1,2-Dichloroethane-d4	5.30	65	81160	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
32) Benzene-d6	5.33	84	212968	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.33	67	72122	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.48%
41) Toluene-d8	7.56	98	187573	40.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.82%
43) trans-1,3-Dichloropropene-	7.85	79	33877	41.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.52%
47) 2-Hexanone-d5	8.31	63	67925	93.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.27%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	111019	46.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	79386	46.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.30%

Target Compounds

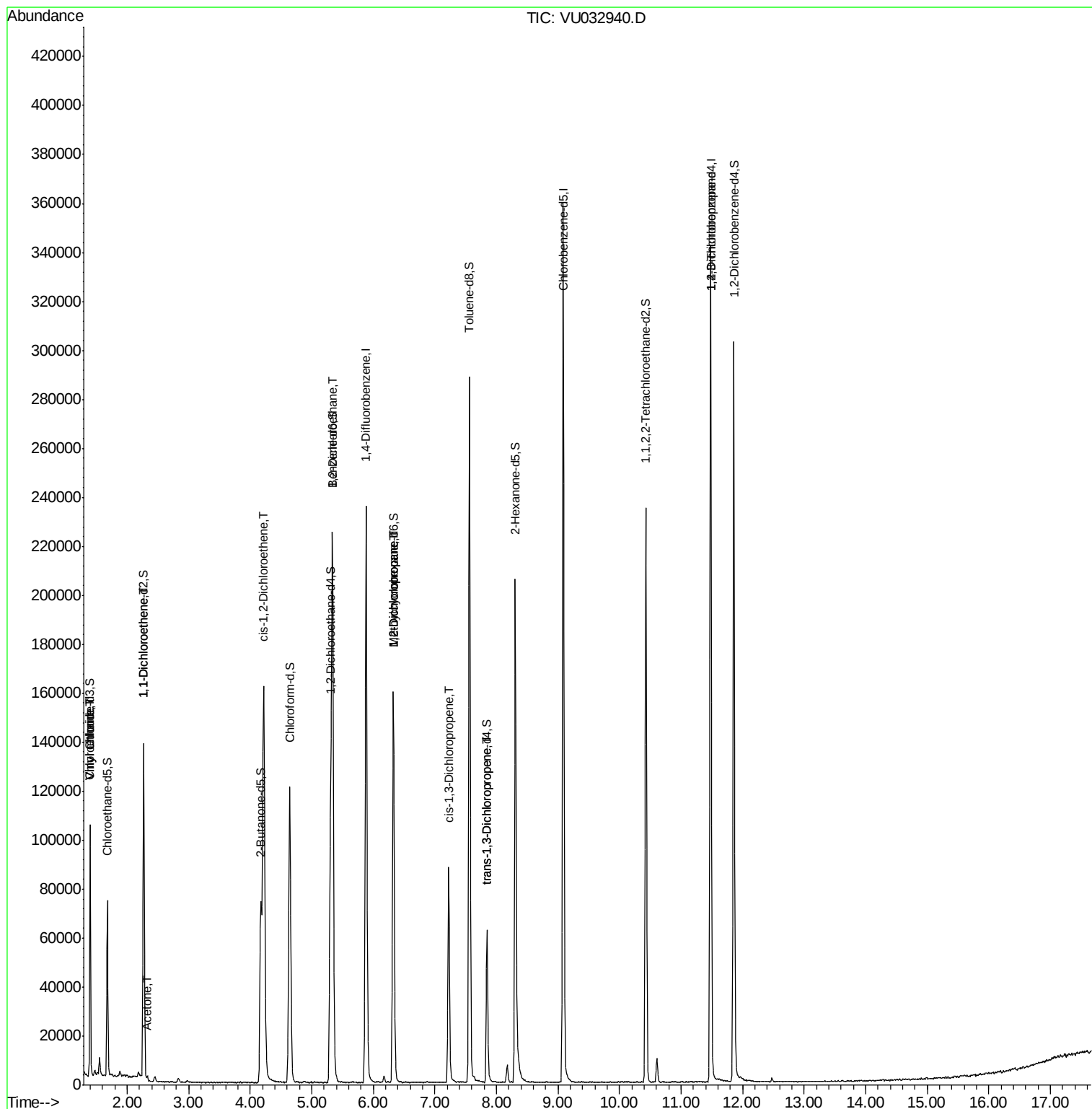
					Qvalue
5) Vinyl chloride	1.40	62	16306	9.407 ug/L	98
8) Chloroethane	1.40	64	5603	5.615 ug/L #	80
12) 1,1-Dichloroethene	2.27	96	810	0.674 ug/L #	1
13) Acetone	2.32	43	1284	0.856 ug/L	79
20) cis-1,2-Dichloroethene	4.22	96	82897	58.373 ug/L	98
27) 1,2-Dichloroethane	5.33	62	1382	0.656 ug/L #	77
35) Methylcyclohexane	6.33	83	16539	7.402 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	8470	5.707 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2411	1.043 ug/L #	63
44) trans-1,3-Dichloropropene	7.85	75	1716	0.790 ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	11371	5.741 ug/L	90

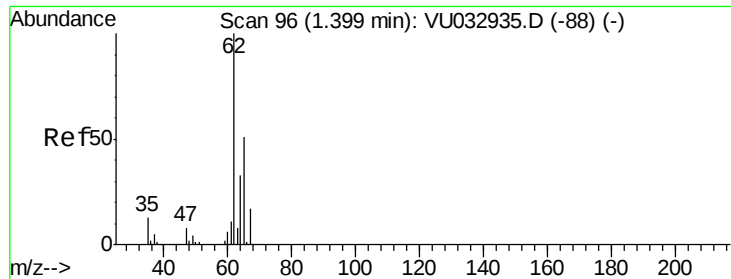
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 9.407 ug/L

RT: 1.40 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU032940.D

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MSVOA_U

ClientSampleId :

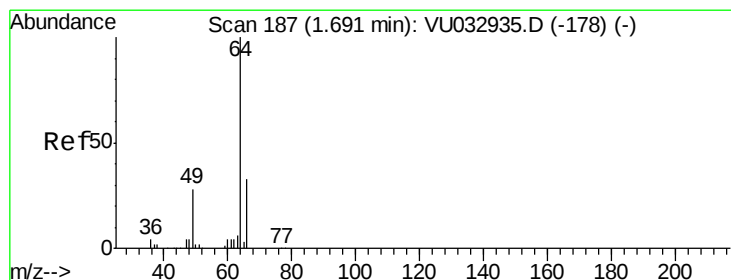
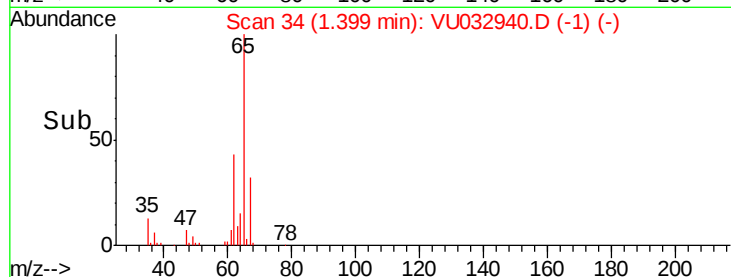
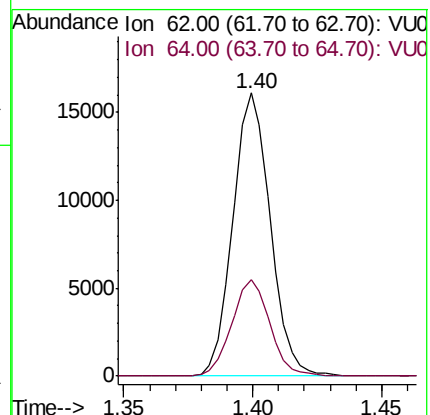
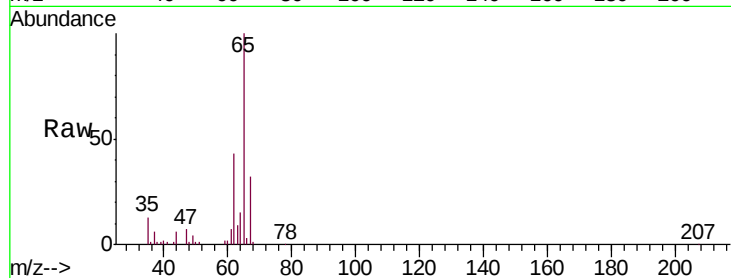
DUP-061919-01

Tgt Ion: 62 Resp: 16306

Ion Ratio Lower Upper

62 100

64 33.9 23.0 42.6



#8

Chloroethane

Concen: 5.615 ug/L

RT: 1.40 min Scan# 34

Delta R.T. -0.29 min

Lab File: VU032940.D

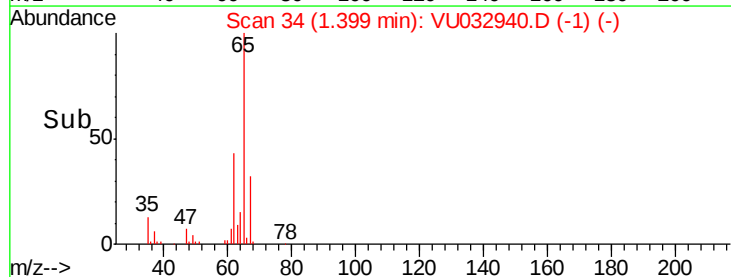
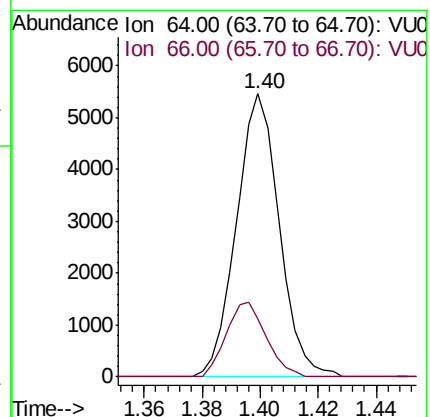
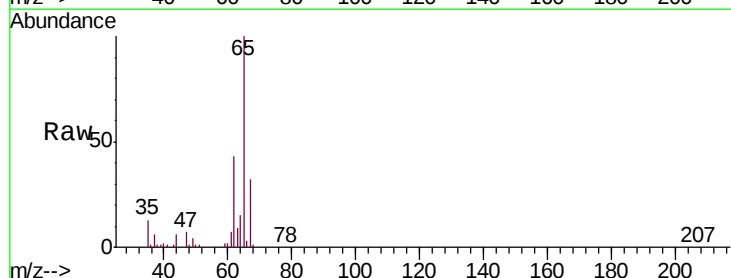
Acq: 21 Jun 2019 13:20

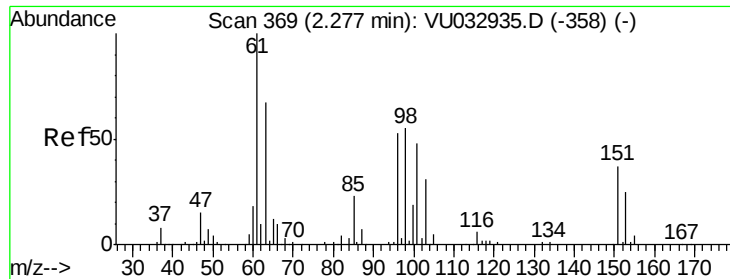
Tgt Ion: 64 Resp: 5603

Ion Ratio Lower Upper

64 100

66 20.7 22.5 41.7#

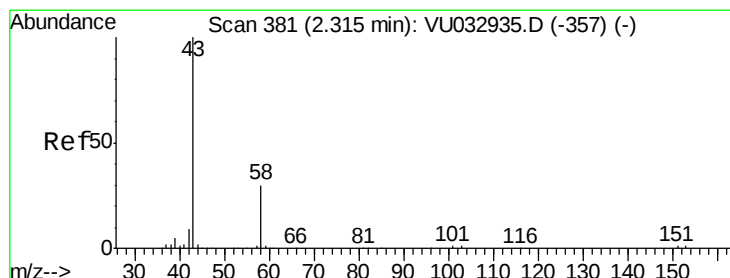
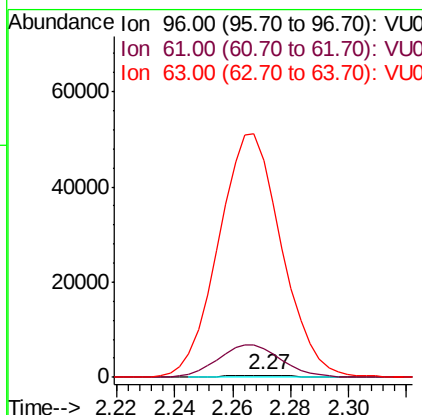
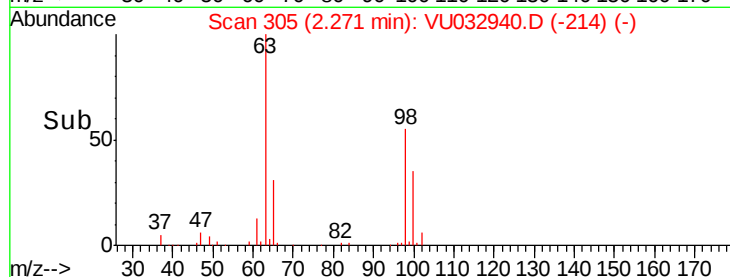
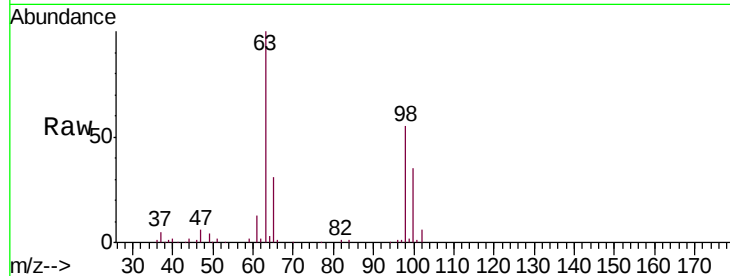




#12
 1,1-Dichloroethene
 Concen: 0.674 ug/L
 RT: 2.27 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VU032940.D
 Acq: 21 Jun 2019 13:20

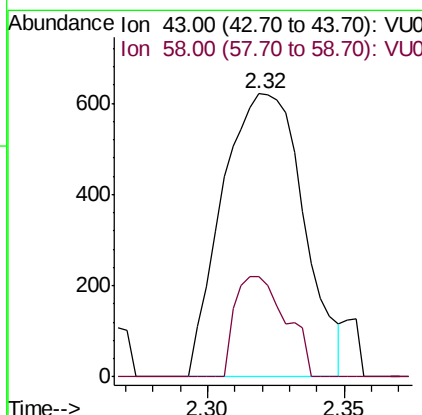
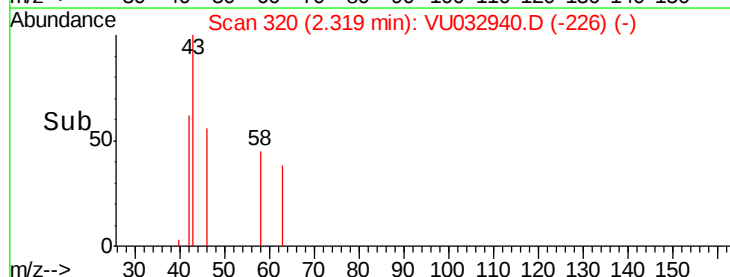
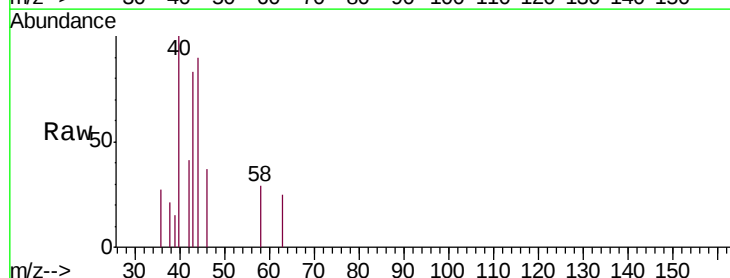
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-061919-01

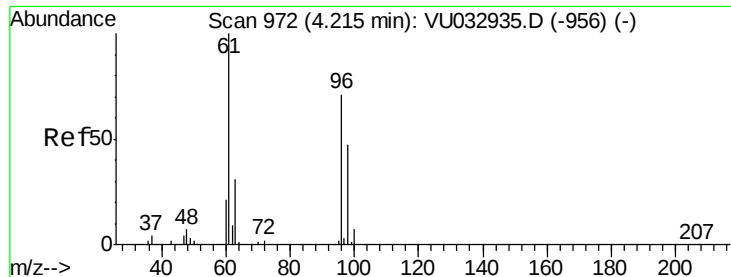
Tgt Ion: 96 Resp: 810
 Ion Ratio Lower Upper
 96 100
 61 1288.5 131.0 243.4#
 63 9736.5 101.0 187.6#



#13
 Acetone
 Concen: 0.856 ug/L
 RT: 2.32 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: VU032940.D
 Acq: 21 Jun 2019 13:20

Tgt Ion: 43 Resp: 1284
 Ion Ratio Lower Upper
 43 100
 58 19.0 0.0 60.6

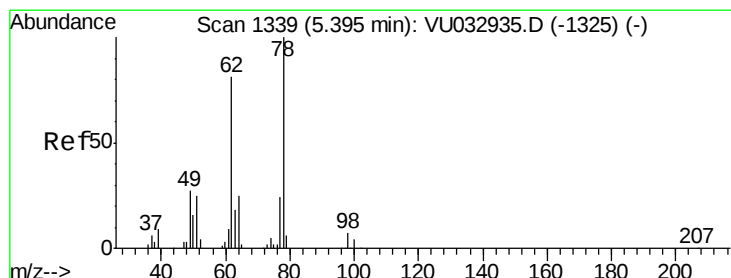
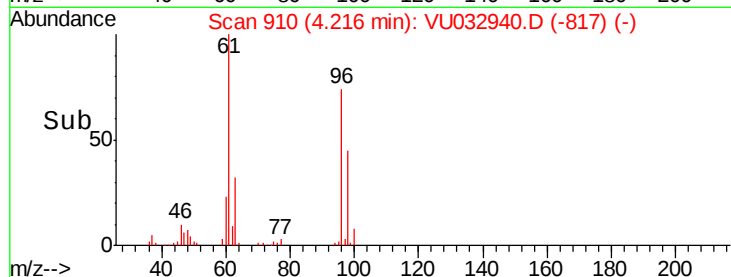
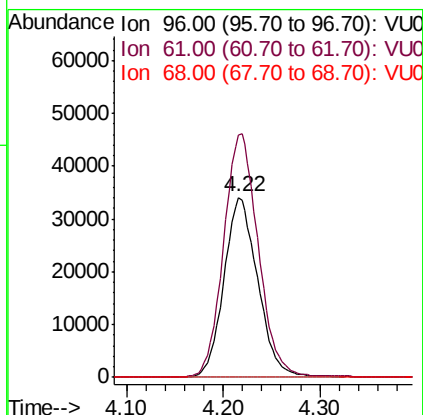
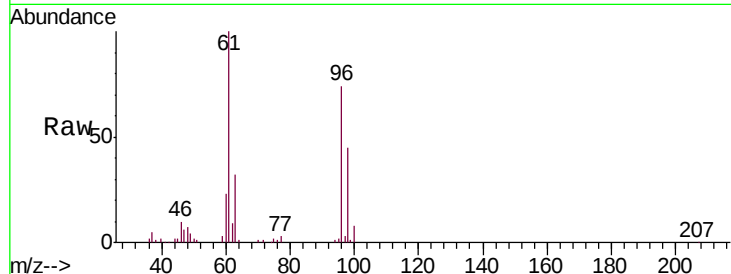




#20
 cis-1,2-Dichloroethene
 Concen: 58.373 ug/L
 RT: 4.22 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VU032940.D
 Acq: 21 Jun 2019 13:20

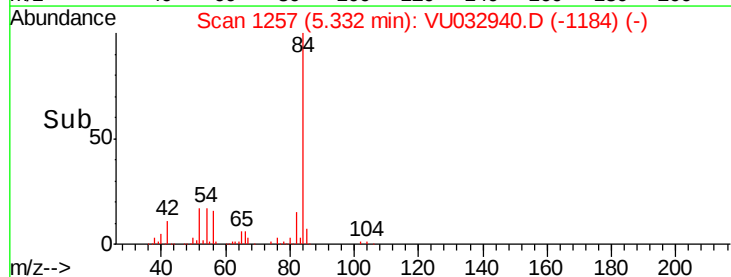
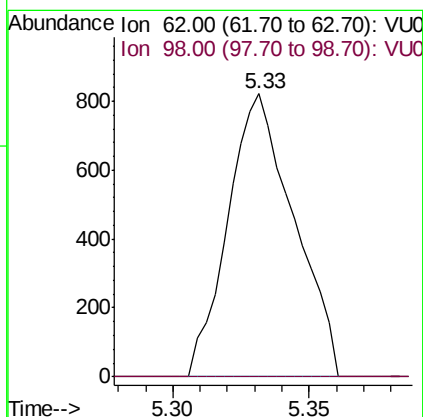
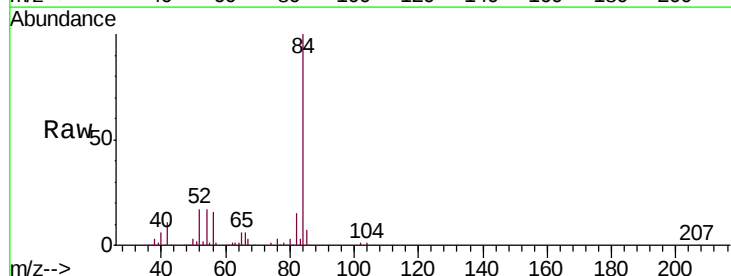
Instrument :
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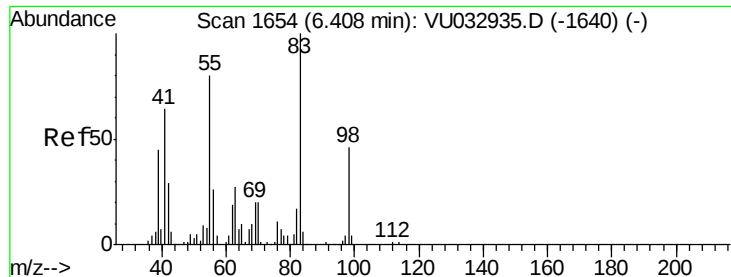
Tgt Ion: 96 Resp: 82897
 Ion Ratio Lower Upper
 96 100
 61 134.7 92.4 171.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.656 ug/L
 RT: 5.33 min Scan# 1257
 Delta R.T. -0.06 min
 Lab File: VU032940.D
 Acq: 21 Jun 2019 13:20

Tgt Ion: 62 Resp: 1382
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#





#35

Methylcyclohexane

Concen: 7.402 ug/L

RT: 6.33 min Scan# 1566

Delta R.T. -0.08 min

Lab File: VU032940.D

Acq: 21 Jun 2019 13:20

Instrument :

MSVOA_U

ClientSampleId :

DUP-061919-01

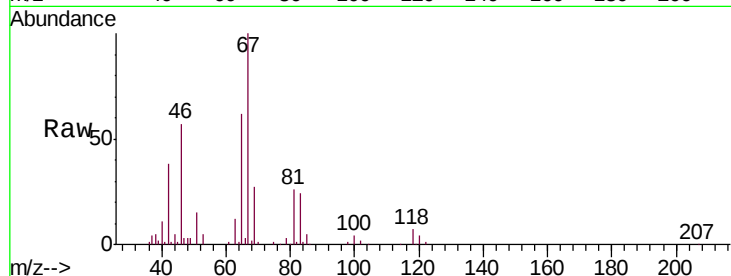
Tgt Ion: 83 Resp: 16539

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

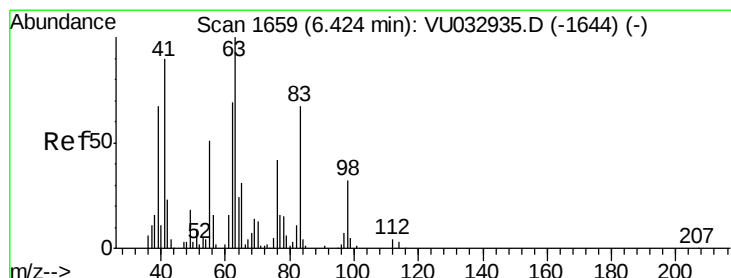
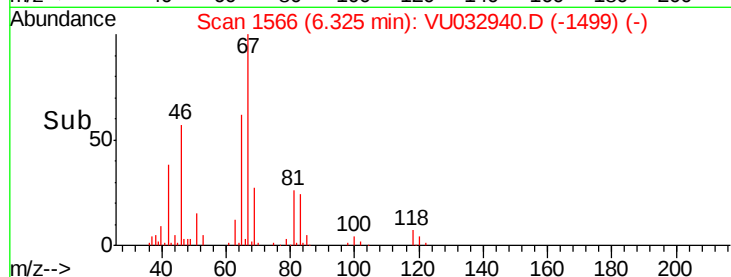
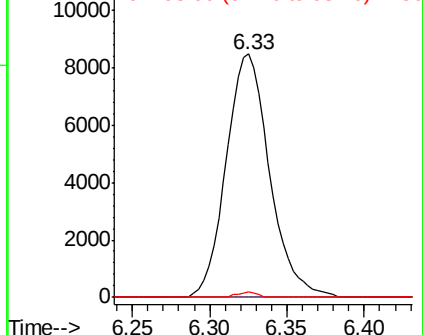
98 0.9 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU032940.D (-1566) (-)

Ion 55.00 (54.70 to 55.70): VU032940.D (-1566) (-)

Ion 98.00 (97.70 to 98.70): VU032940.D (-1566) (-)



#37

1,2-Dichloropropane

Concen: 5.707 ug/L

RT: 6.32 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VU032940.D

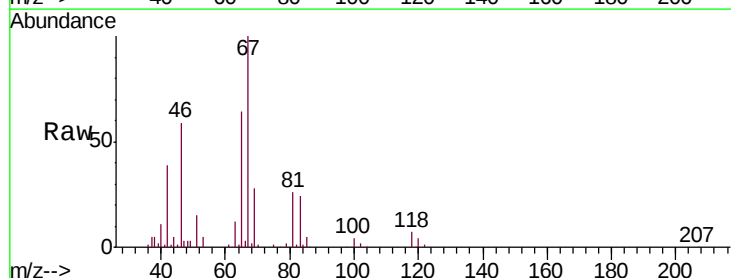
Acq: 21 Jun 2019 13:20

Tgt Ion: 63 Resp: 8470

Ion Ratio Lower Upper

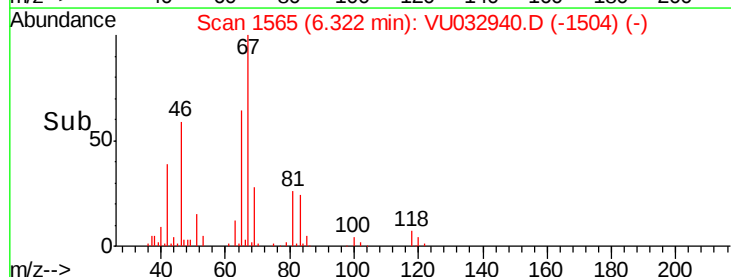
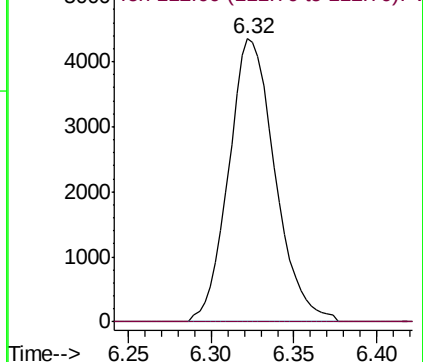
63 100

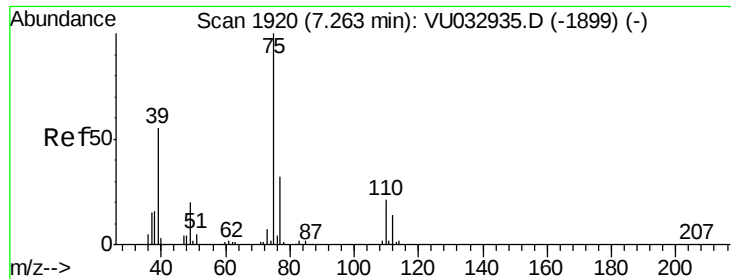
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU032940.D (-1565) (-)

Ion 112.00 (111.70 to 112.70): VU032940.D (-1565) (-)

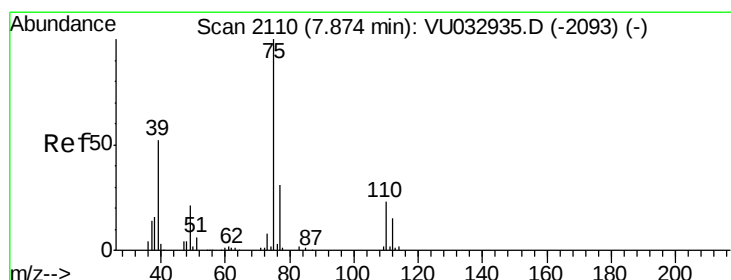
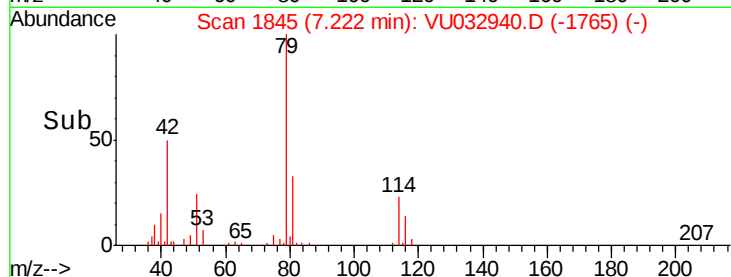
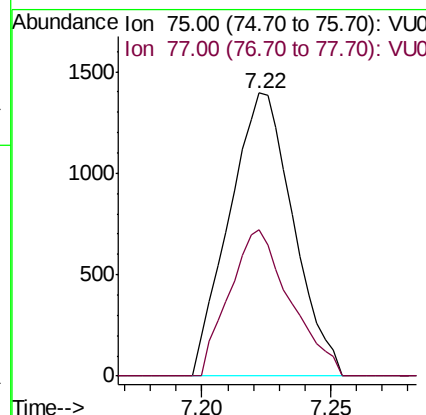
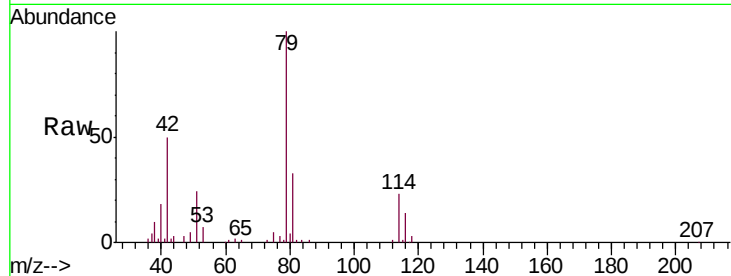




#39
 cis-1,3-Dichloropropene
 Concen: 1.043 ug/L
 RT: 7.22 min Scan# 1845
 Delta R.T. -0.04 min
 Lab File: VU032940.D
 Acq: 21 Jun 2019 13:20

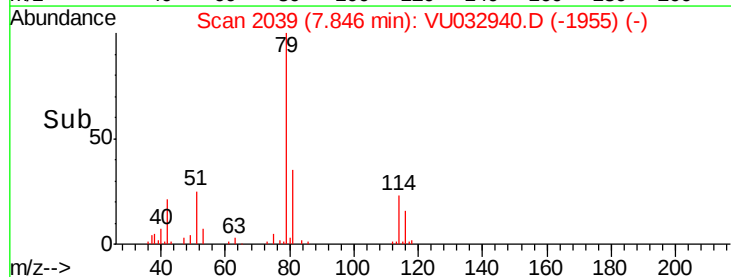
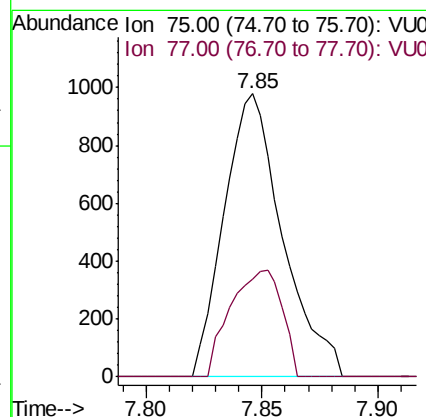
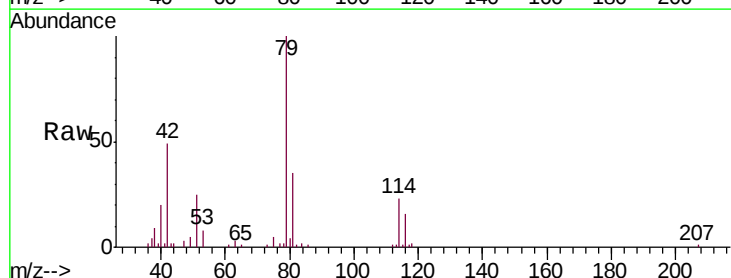
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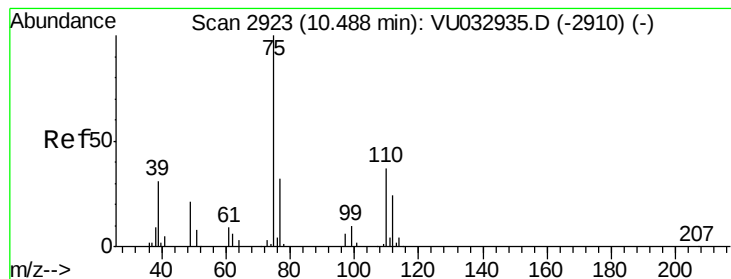
Tgt Ion: 75 Resp: 2411
 Ion Ratio Lower Upper
 75 100
 77 51.5 21.9 40.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.790 ug/L
 RT: 7.85 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VU032940.D
 Acq: 21 Jun 2019 13:20

Tgt Ion: 75 Resp: 1716
 Ion Ratio Lower Upper
 75 100
 77 34.5 21.8 40.4





#59
 1,2,3-Trichloropropane
 Concen: 5.741 ug/L
 RT: 11.48 min Scan# 3168
 Delta R.T. 0.99 min
 Lab File: VU032940.D
 Acq: 21 Jun 2019 13:20

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-061919-01

Tgt Ion: 75 Resp: 11371
 Ion Ratio Lower Upper
 75 100
 77 37.5 25.5 38.3

