

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035245.D
 Acq On : 18 Oct 2019 05:40
 Operator : JC/SP
 Sample : K5419-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 18 07:34:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 07:32:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	340435	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	330939	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	126243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	109752	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.94	69	92907	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.60	63	147150	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	4.71	46	267294	44.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.62%
24) Chloroform-d	5.11	84	177507	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.75	65	106830	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.77	84	388498	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.74	67	121421	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.93	98	364570	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	8.22	79	52292	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.70	63	226262	43.99	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.98%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	99250	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.23	152	116715	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

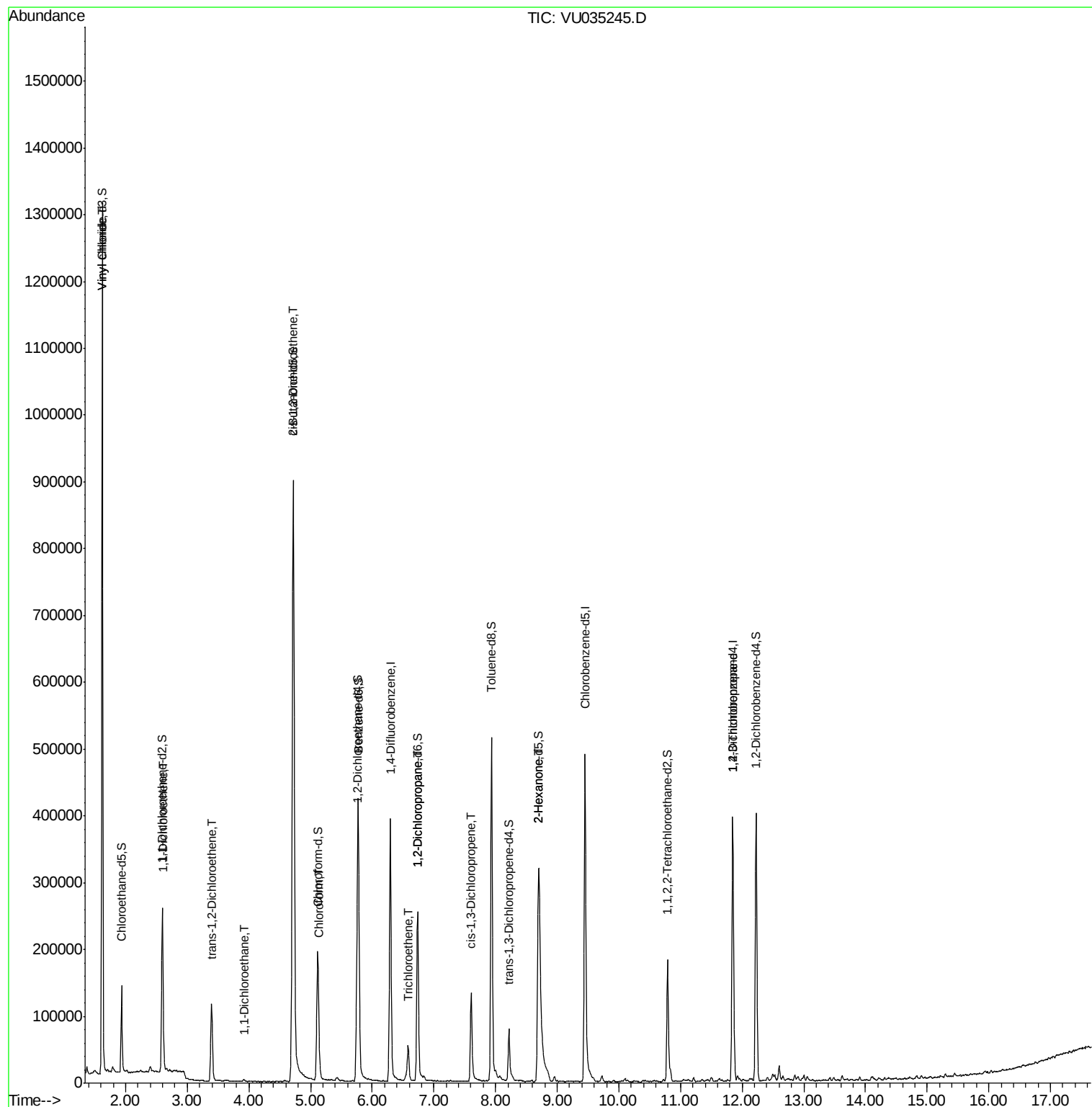
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	788149	26.701	ug/L	99
12) 1,1-Dichloroethene	2.61	96	7560	0.346	ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	50121	2.123	ug/L	96
19) 1,1-Dichloroethane	3.92	63	4201	0.098	ug/L	90
22) cis-1,2-Dichloroethene	4.72	96	421378	16.152	ug/L	100
25) Chloroform	5.14	83	13007	0.278	ug/L	96
34) Trichloroethene	6.58	95	17299	0.661	ug/L	95
37) 1,2-Dichloropropane	6.74	63	13069	0.529	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	3458	0.084	ug/L #	17
48) 2-Hexanone	8.70	43	36373	3.108	ug/L #	58
59) 1,2,3-Trichloropropane	11.84	75	14924	0.867	ug/L #	82

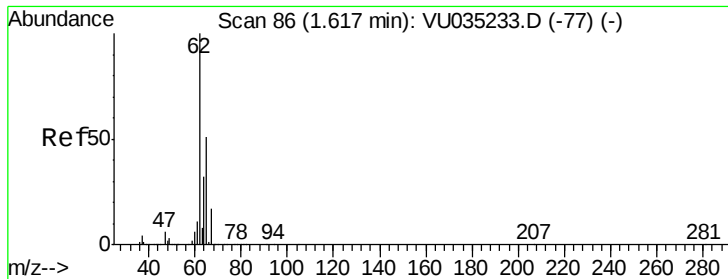
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 18 07:32:05 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 26.701 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035245.D

Acq: 18 Oct 2019 05:40

Instrument :

MSVOA_U

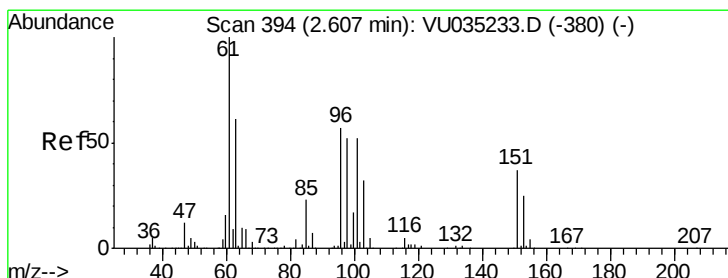
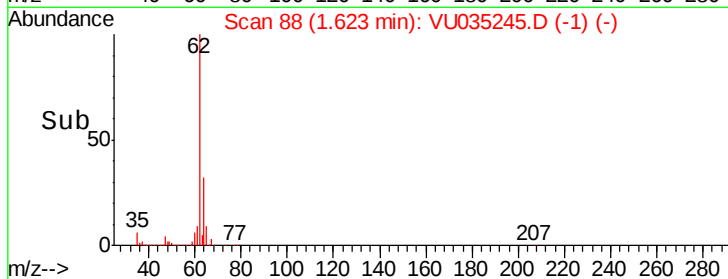
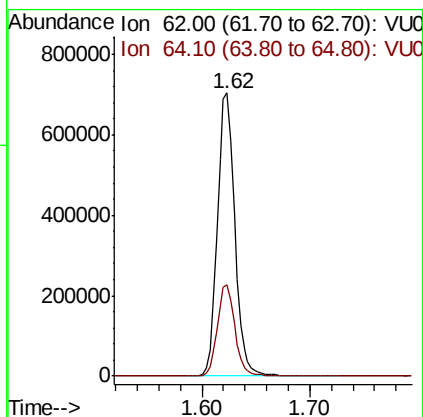
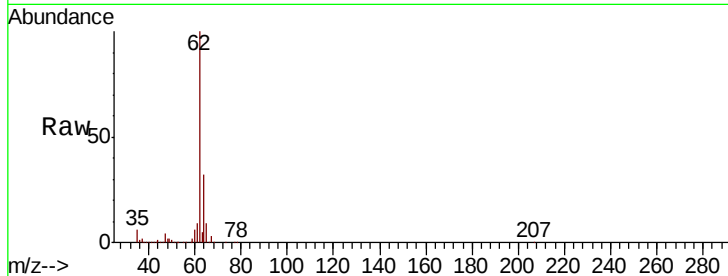
ClientSampleId :

Tot Ion: 62 Resp: 788149

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.346 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035245.D

Acq: 18 Oct 2019 05:40

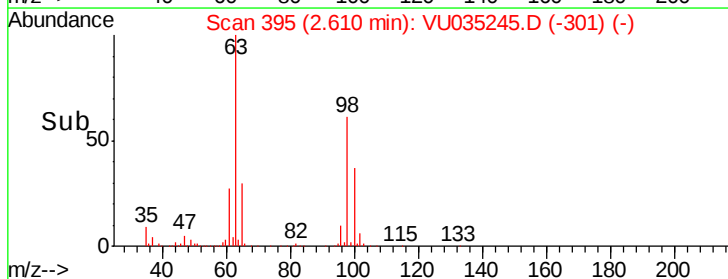
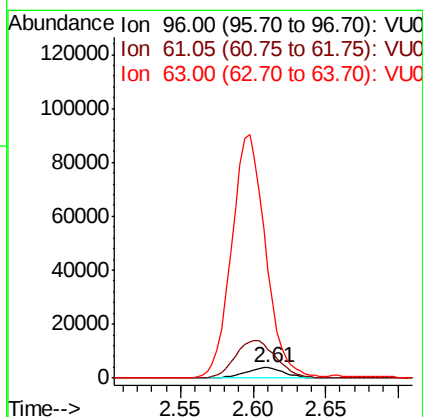
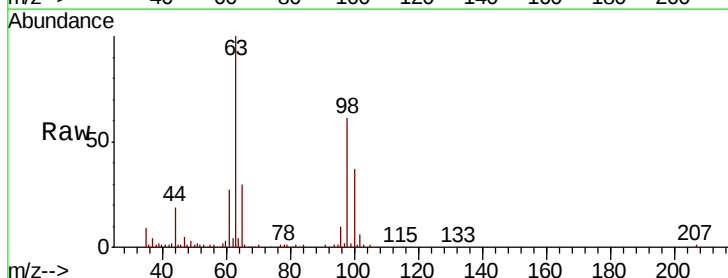
Tgt Ion: 96 Resp: 7560

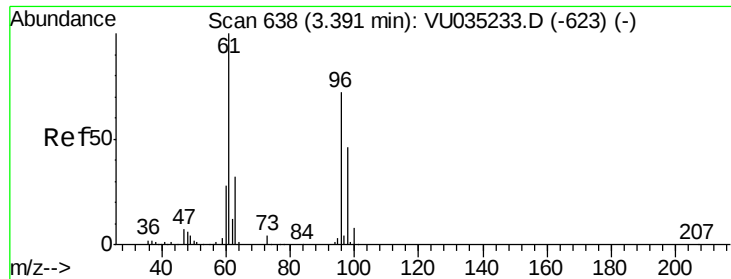
Ion Ratio Lower Upper

96 100

61 275.3 120.6 224.0#

63 1023.7 86.8 161.2#

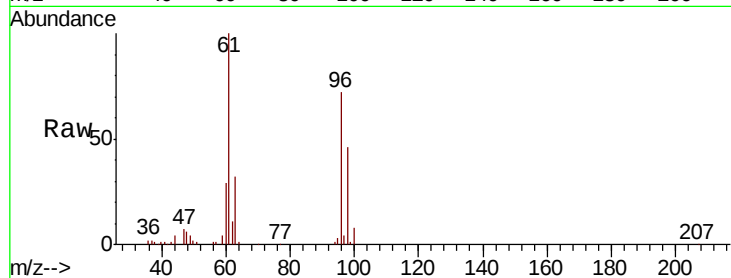




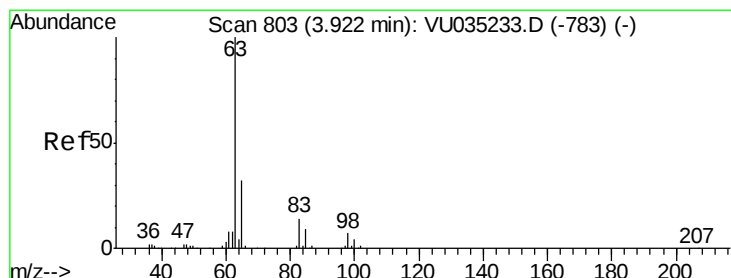
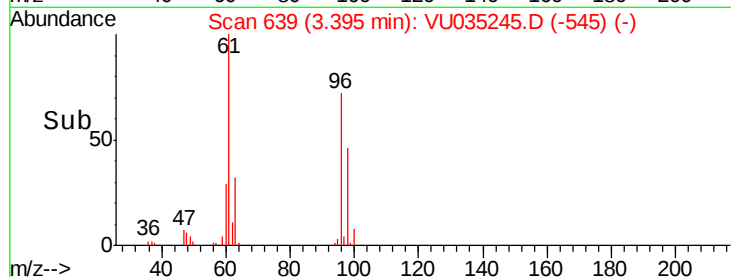
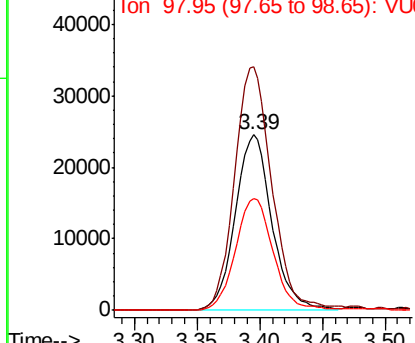
#18
trans-1,2-Dichloroethene
Concen: 2.123 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035245.D
Acq: 18 Oct 2019 05:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	93.0	172.6
98	63.9	43.7	81.1

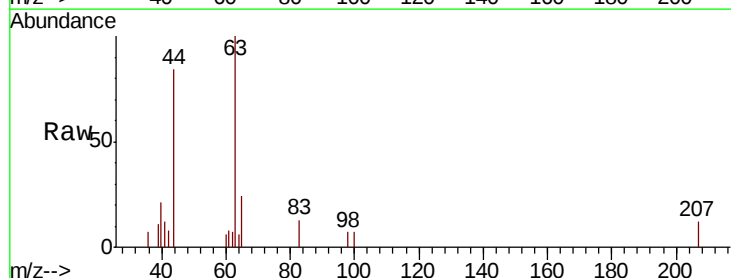


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

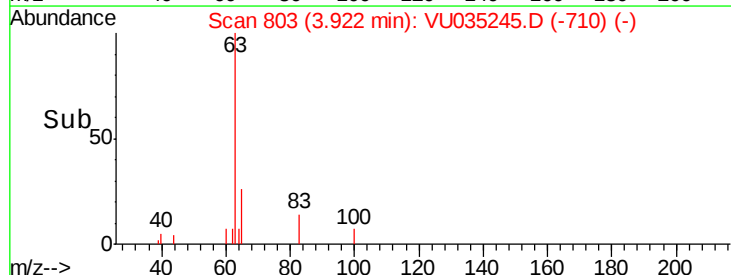
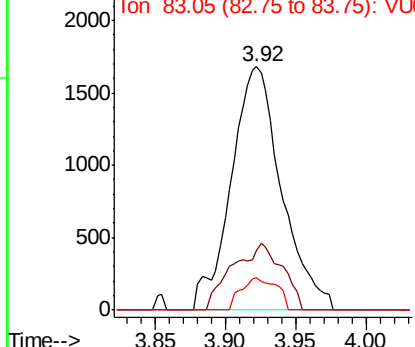


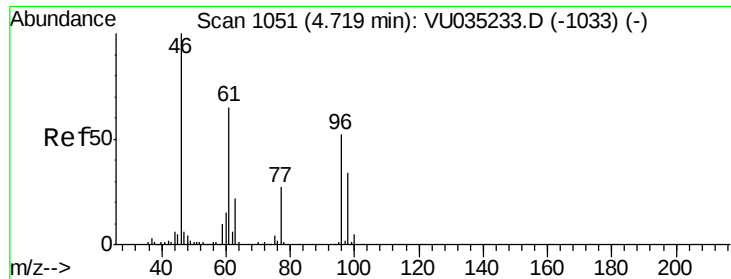
#19
1,1-Dichloroethane
Concen: 0.098 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035245.D
Acq: 18 Oct 2019 05:40

Tgt Ion	Ratio	Lower	Upper
63	100		
65	24.4	22.4	41.6
83	13.2	9.3	17.3



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

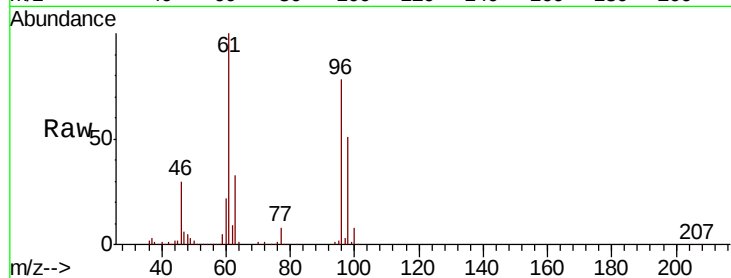




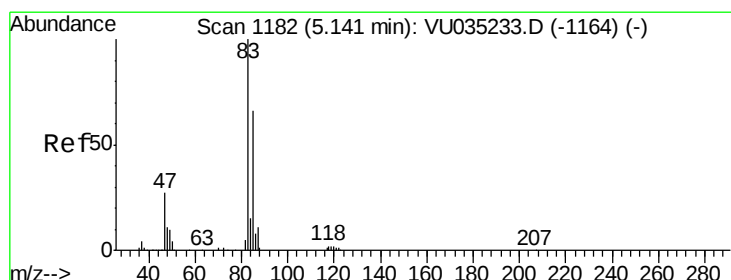
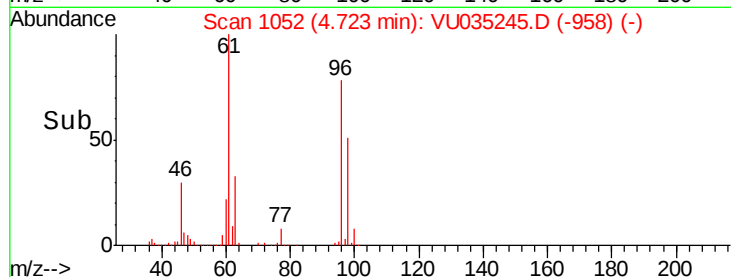
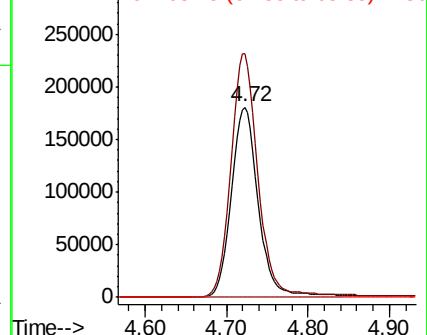
#22
 cis-1,2-Dichloroethene
 Concen: 16.152 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035245.D
 Acq: 18 Oct 2019 05:40

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 421378
 Ion Ratio Lower Upper
 96 100
 61 127.9 89.7 166.5
 68 0.0 0.0 0.0

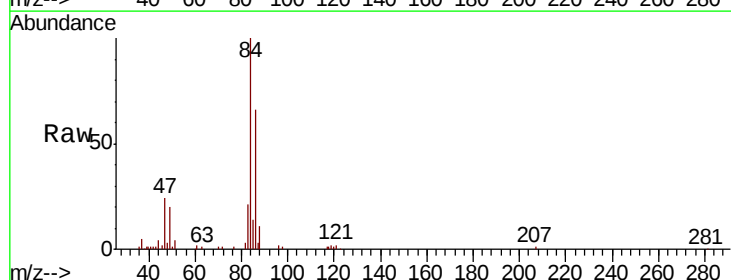


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

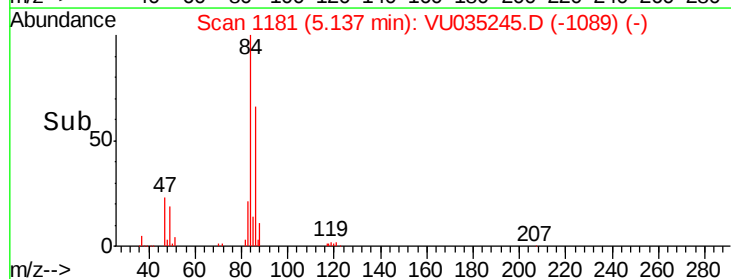
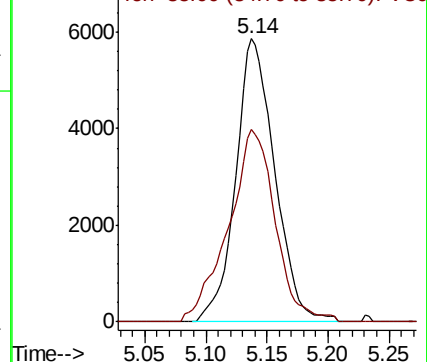


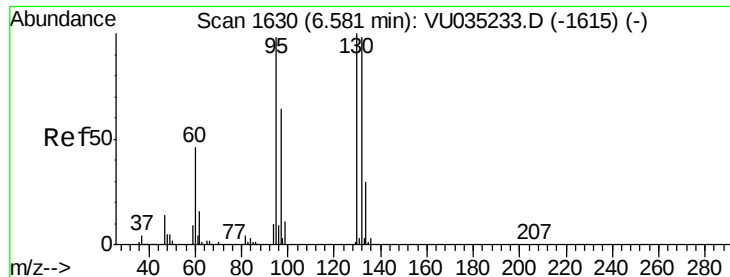
#25
 Chloroform
 Concen: 0.278 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU035245.D
 Acq: 18 Oct 2019 05:40

Tgt Ion: 83 Resp: 13007
 Ion Ratio Lower Upper
 83 100
 85 67.9 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.661 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035245.D

Acq: 18 Oct 2019 05:40

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 95 Resp: 17299

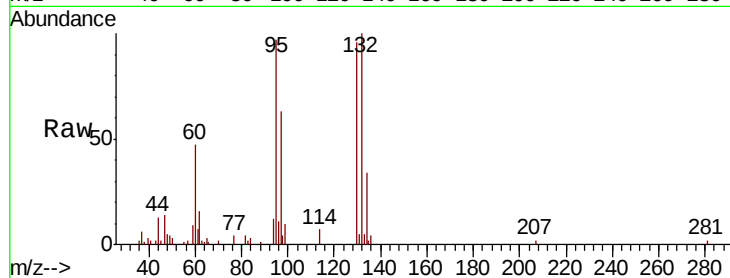
Ion Ratio Lower Upper

95 100

97 64.7 46.6 86.6

132 102.9 68.7 127.7

130 98.8 73.9 137.3

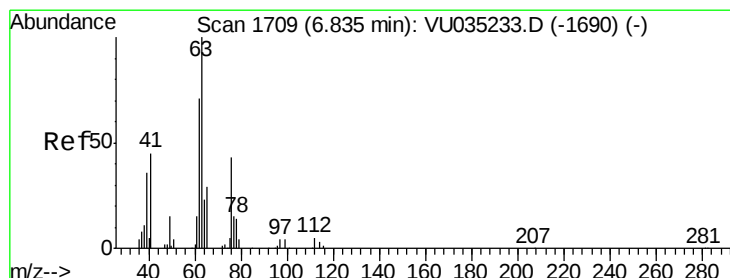
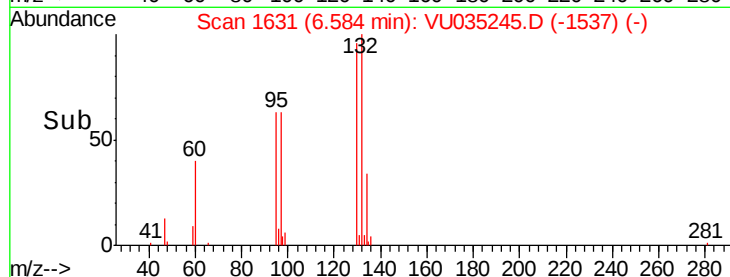
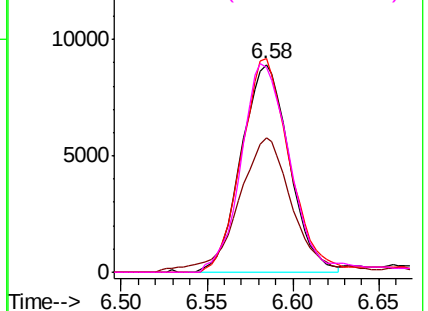


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 0.529 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035245.D

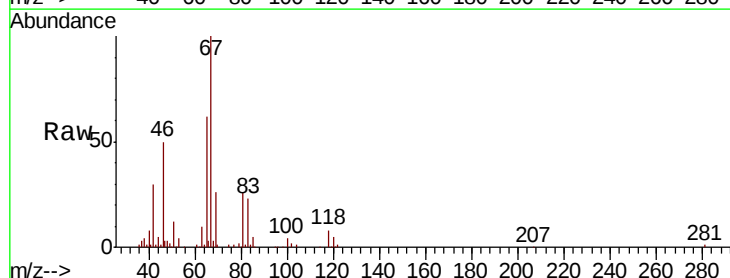
Acq: 18 Oct 2019 05:40

Tgt Ion: 63 Resp: 13069

Ion Ratio Lower Upper

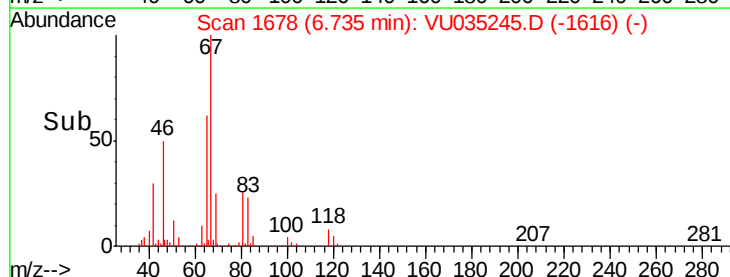
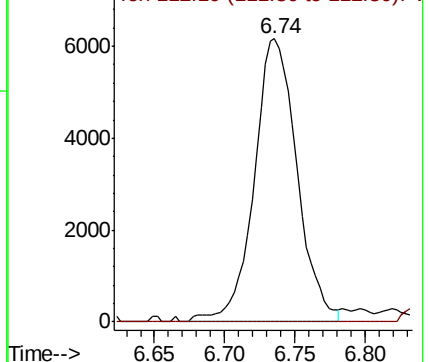
63 100

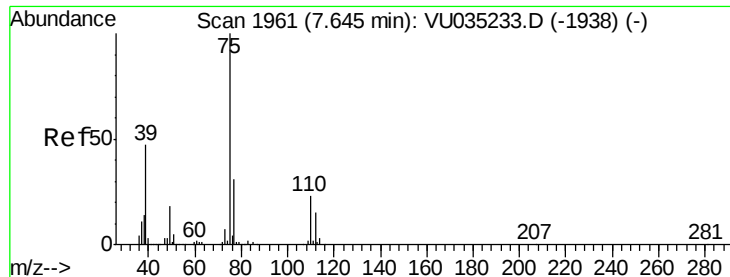
112 4.3 3.7 5.5



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: 0.084 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035245.D

Acq: 18 Oct 2019 05:40

Instrument :

MSVOA_U

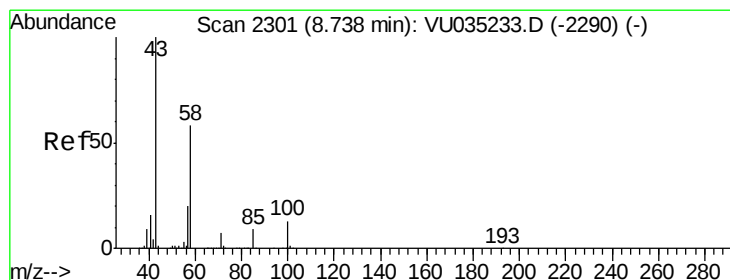
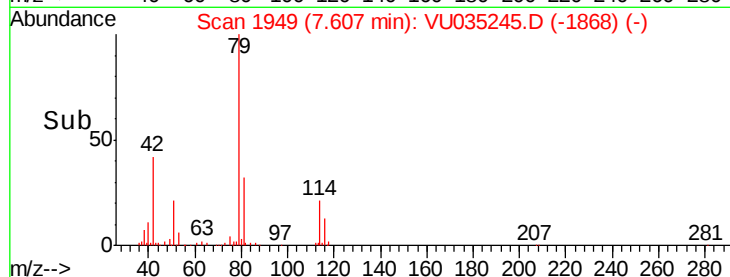
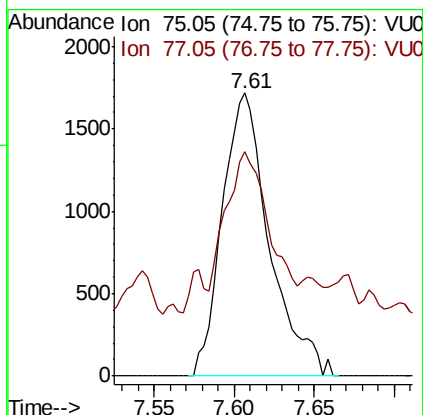
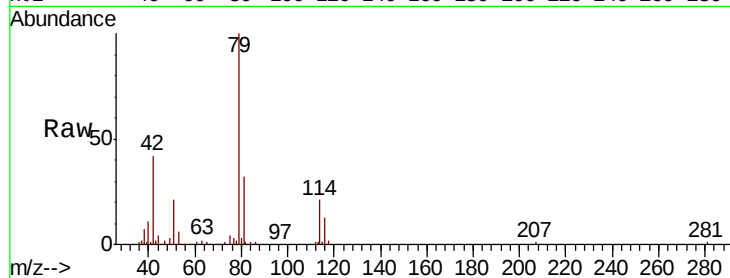
ClientSampleId :

Tot Ion: 75 Resp: 3458

Ion Ratio Lower Upper

75 100

77 79.2 22.7 42.1#



#48

2-Hexanone

Concen: 3.108 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. -0.04 min

Lab File: VU035245.D

Acq: 18 Oct 2019 05:40

Tgt Ion: 43 Resp: 36373

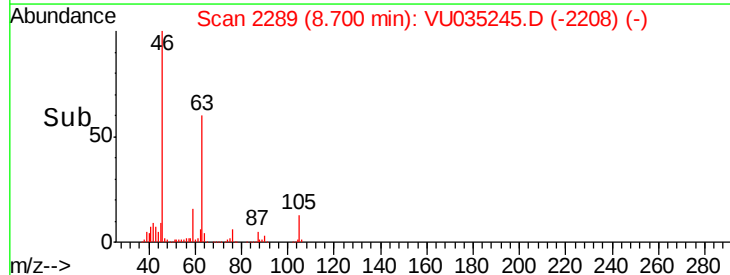
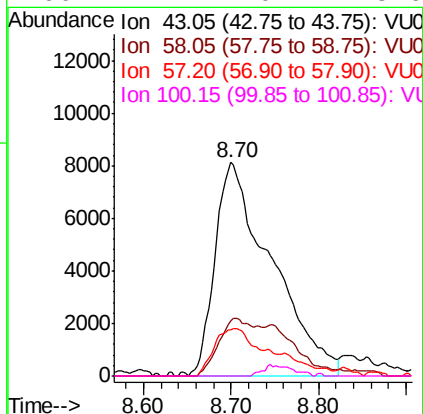
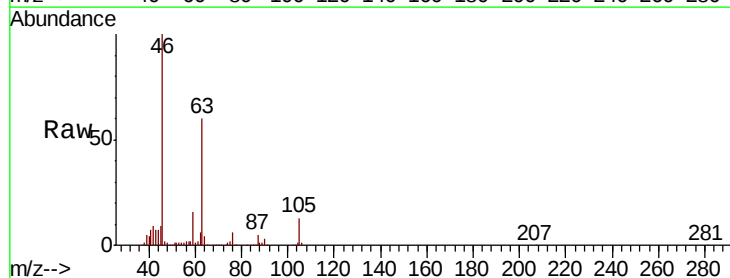
Ion Ratio Lower Upper

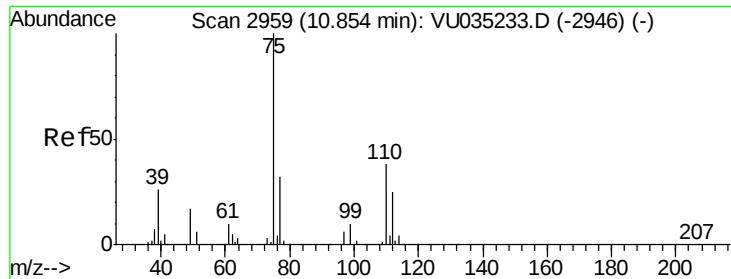
43 100

58 15.3 45.1 67.7#

57 15.1 16.0 24.0#

100 2.4 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.867 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035245.D

Acq: 18 Oct 2019 05:40

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 14924

Ion Ratio Lower Upper

75 100

77 43.0 26.2 39.2#

