

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
 Data File : VU035274.D
 Acq On : 18 Oct 2019 18:24
 Operator : JC/SP
 Sample : K5419-08DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 03:38:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	323475	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	316127	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	113794	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.80	65	220	0.01	ug/L	0.19
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.20%#
7) Chloroethane-d5	1.93	69	161	0.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	0.20%#
11) 1,1-Dichloroethene-d2	2.60	63	1039	0.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	0.60%#
20) 2-Butanone-d5	4.72	46	1471	0.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.52%#
24) Chloroform-d	5.12	84	251	0.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.20%#
26) 1,2-Dichloroethane-d4	5.75	65	881	0.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.80%#
32) Benzene-d6	5.77	84	736	0.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.20%#
36) 1,2-Dichloropropane-d6	6.73	67	76	0.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	0.00%#
41) Toluene-d8	7.94	98	2005	0.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.60%#
43) trans-1,3-Dichloropropene-	8.22	79	152	0.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.20%#
46) 2-Hexanone-d5	8.78	63	44	0.01	ug/L	0.09
Spiked Amount	50.000	Range	45 - 130	Recovery	=	0.02%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	1054	0.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	1.00%#
64) 1,2-Dichlorobenzene-d4	12.23	152	3524	0.17	ug/L	0.01
Spiked Amount	5.000	Range	80 - 120	Recovery	=	3.40%#

Target Compounds

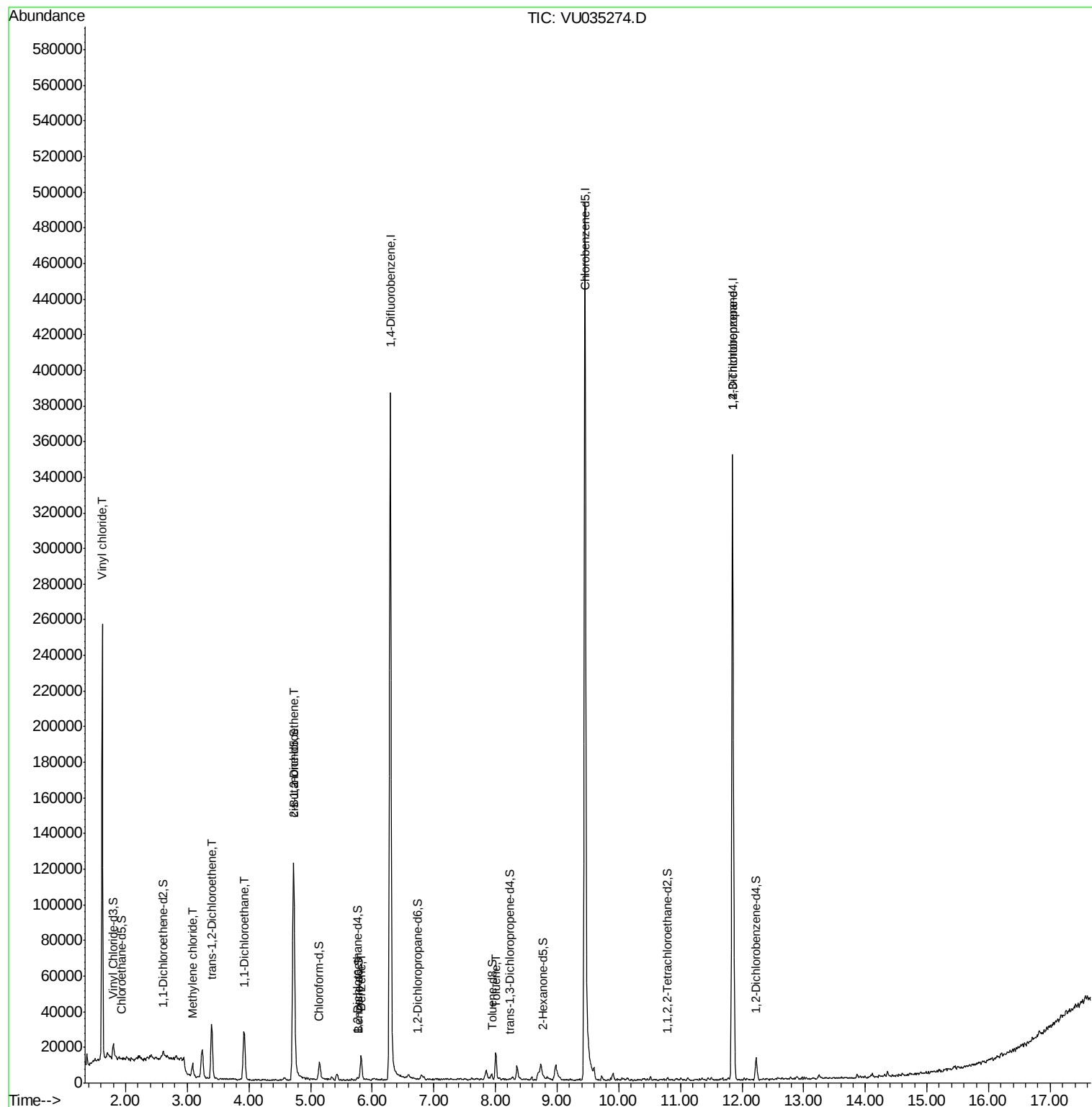
					Ovalue
5) Vinyl chloride	1.62	62	160319	5.716	ug/L 99
16) Methylene chloride	3.08	84	3356	0.134	ug/L 97
18) trans-1,2-Dichloroethene	3.39	96	13482	0.601	ug/L 97
19) 1,1-Dichloroethane	3.92	63	31940	0.788	ug/L 99
22) cis-1,2-Dichloroethene	4.73	96	49545	1.999	ug/L 98
33) Benzene	5.82	78	12322	0.132	ug/L 100
42) Toluene	8.01	91	11564	0.113	ug/L 99
59) 1,2,3-Trichloropropane	11.84	75	14045	0.854	ug/L 90

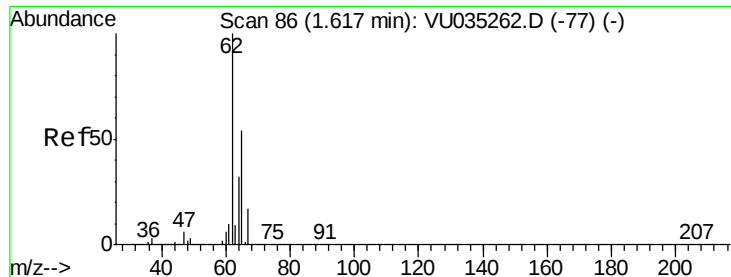
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.716 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035274.D

Acq: 18 Oct 2019 18:24

Instrument :

MSVOA_U

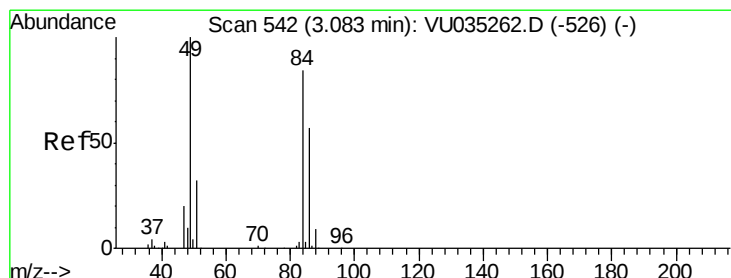
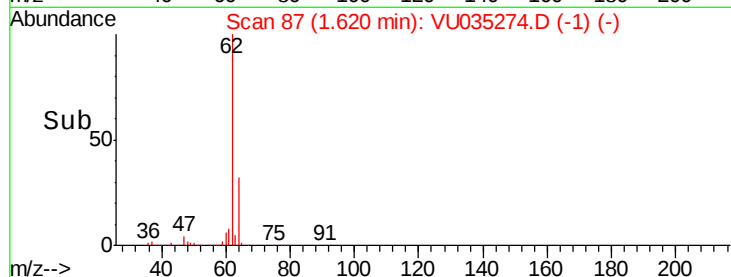
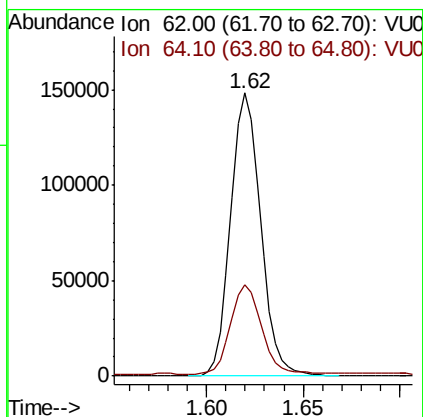
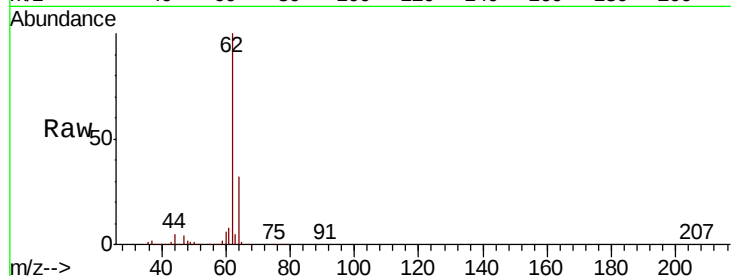
ClientSampleId :

Tot Ion: 62 Resp: 160319

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



#16

Methylene chloride

Concen: 0.134 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU035274.D

Acq: 18 Oct 2019 18:24

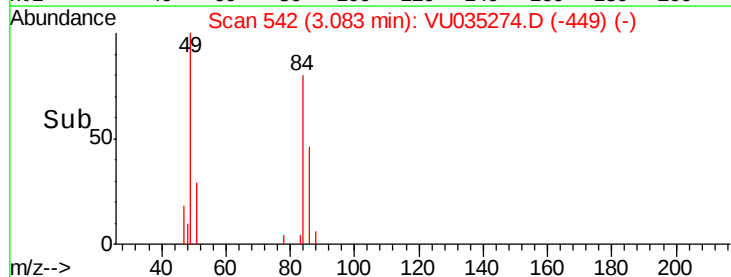
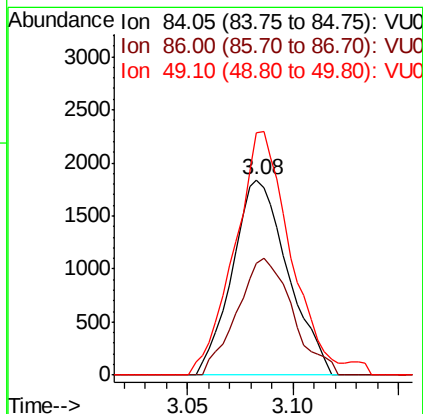
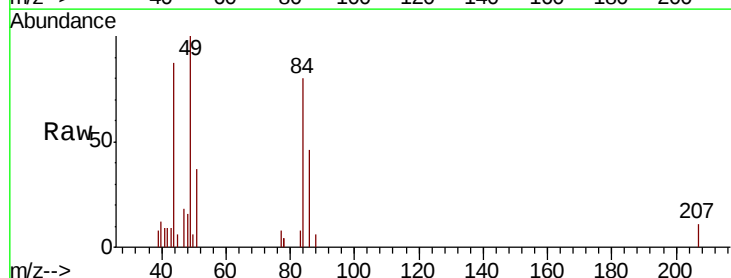
Tgt Ion: 84 Resp: 3356

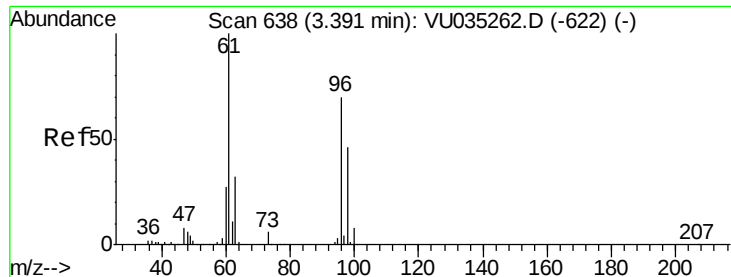
Ion Ratio Lower Upper

84 100

86 57.4 45.4 84.2

49 124.3 86.8 161.2





#18

trans-1,2-Dichloroethene

Concen: 0.601 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035274.D

Acq: 18 Oct 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

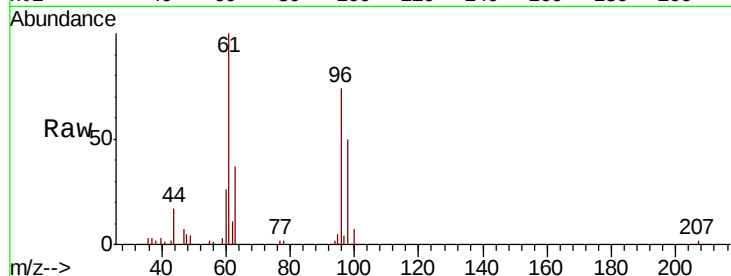
Tot Ion: 96 Resp: 13482

Ion Ratio Lower Upper

96 100

61 134.6 93.0 172.6

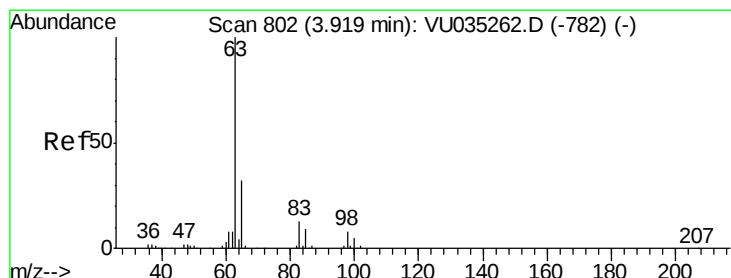
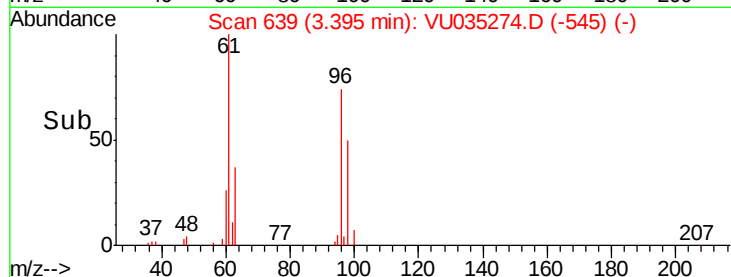
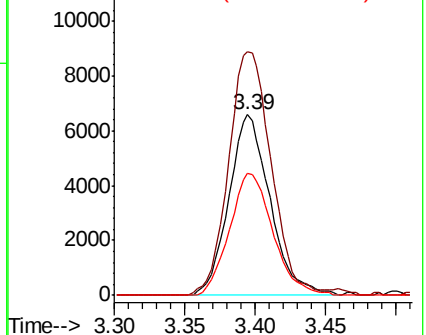
98 67.2 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035274.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035274.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035274.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.788 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035274.D

Acq: 18 Oct 2019 18:24

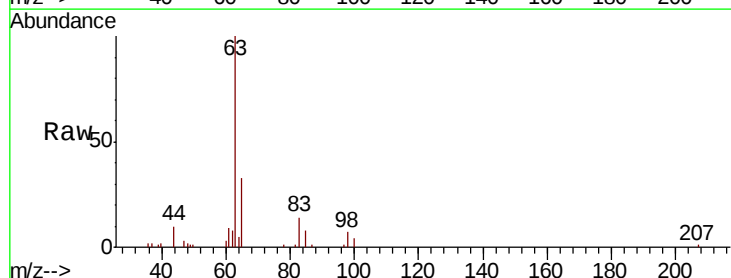
Tgt Ion: 63 Resp: 31940

Ion Ratio Lower Upper

63 100

65 32.6 22.4 41.6

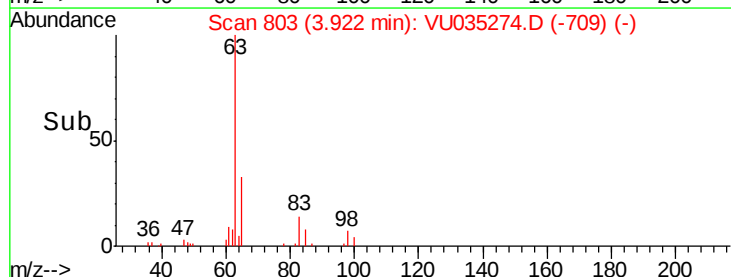
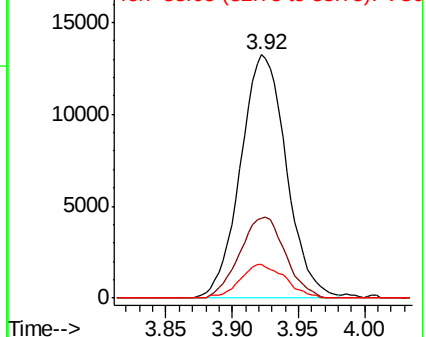
83 14.0 9.3 17.3

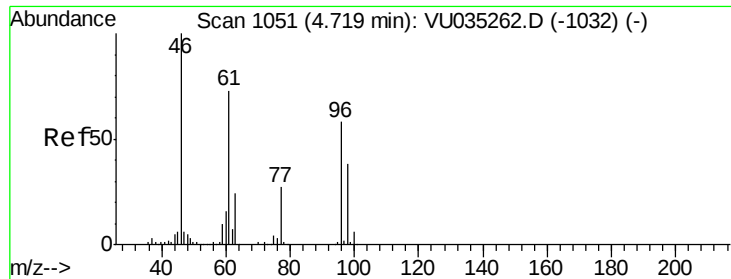


Abundance Ion 63.10 (62.80 to 63.80): VU035274.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035274.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035274.D (-709) (-)

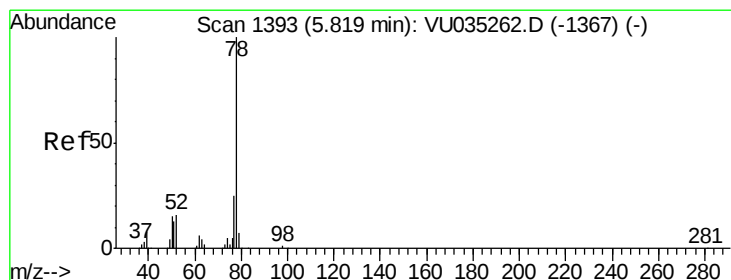
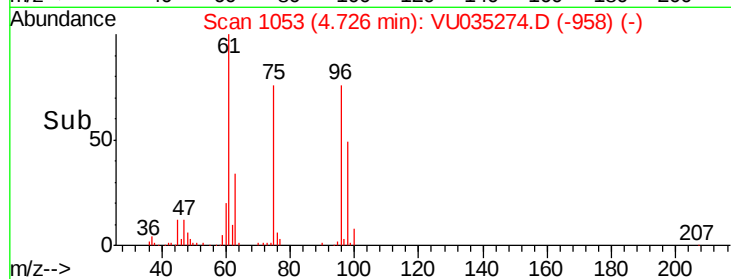
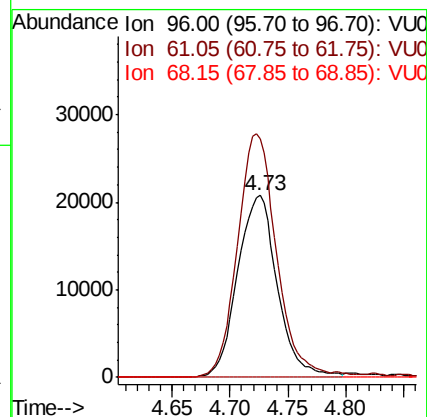
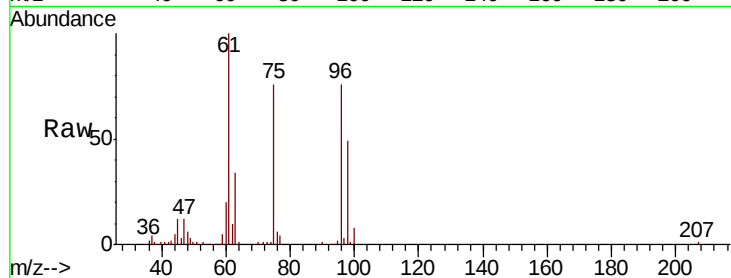




#22
 cis-1,2-Dichloroethene
 Concen: 1.999 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VU035274.D
 Acq: 18 Oct 2019 18:24

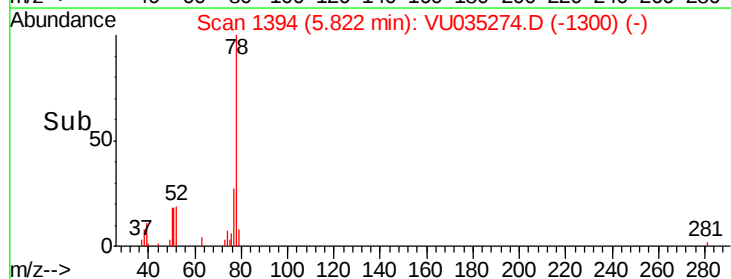
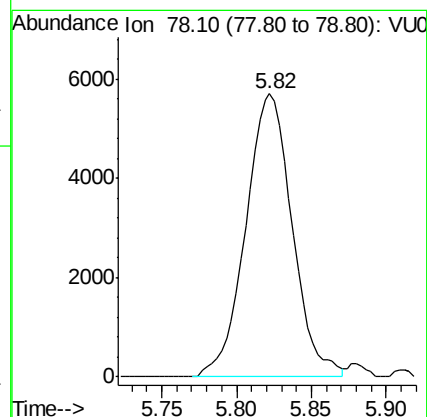
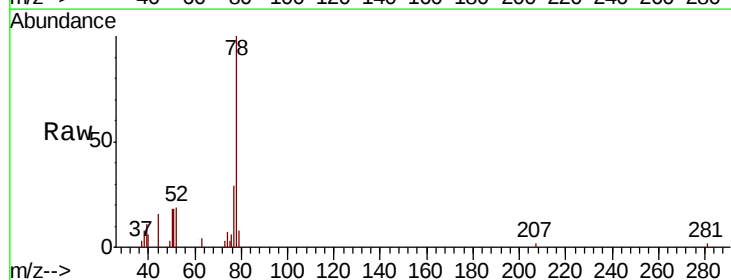
Instrument :
 MSVOA_U
 ClientSampleId :

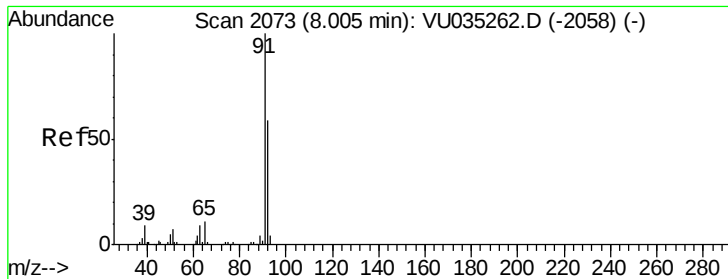
Tot Ion: 96 Resp: 49545
 Ion Ratio Lower Upper
 96 100
 61 131.0 89.7 166.5
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 0.132 ug/L
 RT: 5.82 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VU035274.D
 Acq: 18 Oct 2019 18:24

Tgt Ion: 78 Resp: 12322





#42

Toluene

Concen: 0.113 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035274.D

Acq: 18 Oct 2019 18:24

Instrument :

MSVOA_U

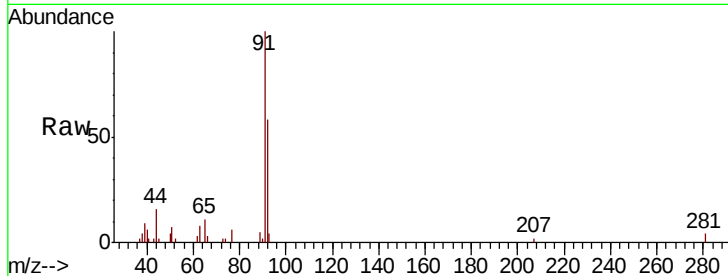
ClientSampleId :

Tot Ion: 91 Resp: 11564

Ion Ratio Lower Upper

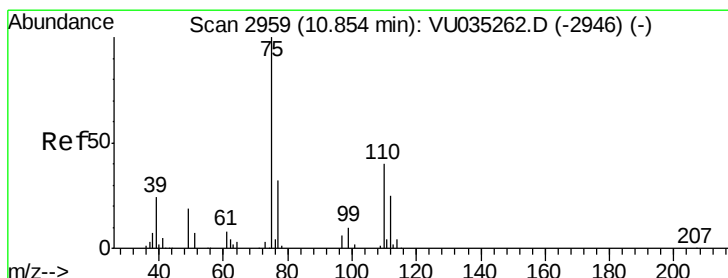
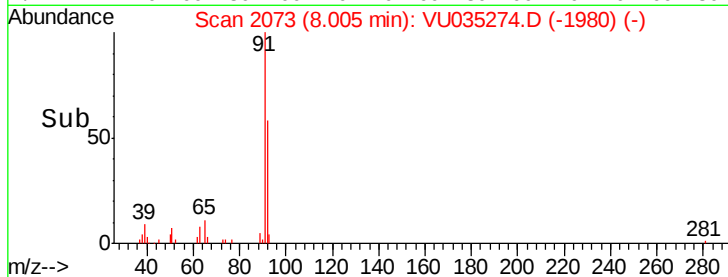
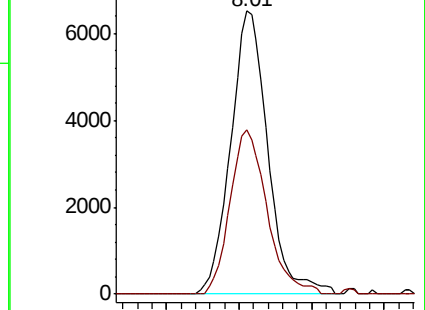
91 100

92 57.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035262.D (-2058) (-)

Ion 92.15 (91.85 to 92.85): VU035262.D (-2058) (-)



#59

1,2,3-Trichloropropane

Concen: 0.854 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035274.D

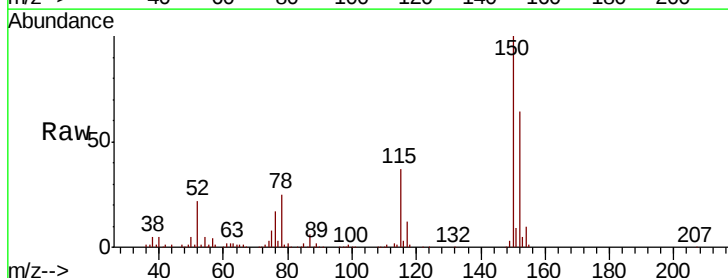
Acq: 18 Oct 2019 18:24

Tgt Ion: 75 Resp: 14045

Ion Ratio Lower Upper

75 100

77 38.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU035262.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU035262.D (-2946) (-)

