

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101819\
 Data File : VU035279.D
 Acq On : 18 Oct 2019 20:21
 Operator : JC/SP
 Sample : K5419-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FY7

Quant Time: Oct 19 05:38:34 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	318706	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	316718	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	121338	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	92463	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.94	69	89770	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.60	63	127023	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.71	46	276417	49.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.00%
24) Chloroform-d	5.11	84	173977	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.75	65	102533	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.77	84	358124	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.74	67	117454	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.93	98	339301	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.22	79	50212	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.69	63	230386	46.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.62%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100320	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	113106	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

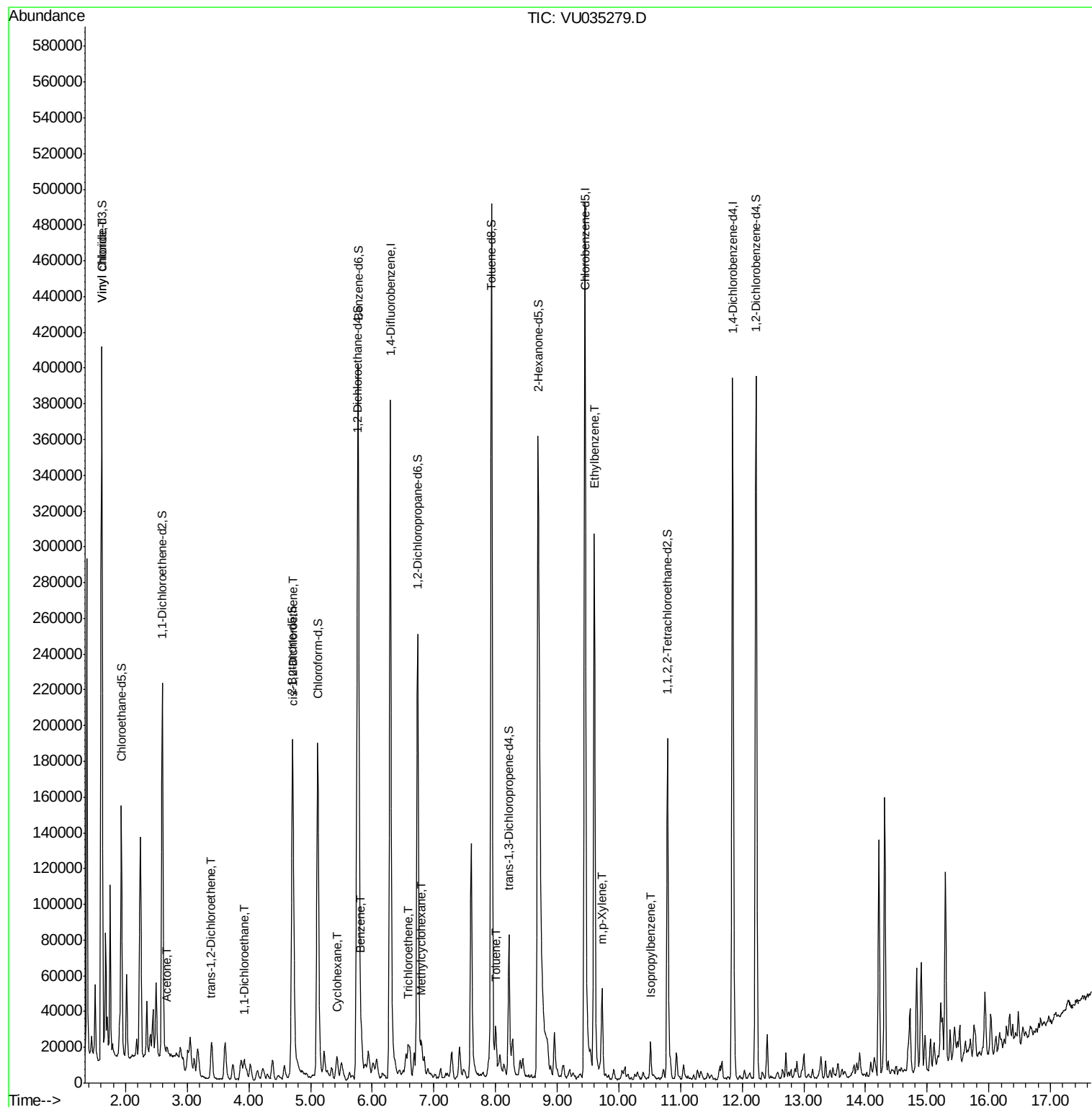
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	42062	1.522	ug/L	92
13) Acetone	2.67	43	6637	1.709	ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	3390	0.153	ug/L	81
19) 1,1-Dichloroethane	3.92	63	11087	0.277	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	15842	0.649	ug/L	94
30) Cyclohexane	5.43	56	5997	0.151	ug/L	94
33) Benzene	5.82	78	18673	0.200	ug/L	100
34) Trichloroethene	6.58	95	4172	0.167	ug/L	96
35) Methylcyclohexane	6.80	83	6732	0.161	ug/L #	79
42) Toluene	8.01	91	15966	0.155	ug/L	98
52) Ethylbenzene	9.60	91	233444	1.996	ug/L	99
53) m,p-Xylene	9.73	106	12890	0.292	ug/L	98
56) Isopropylbenzene	10.51	105	13750	0.119	ug/L	97

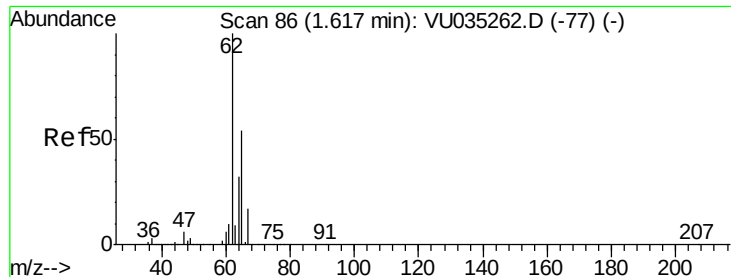
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.522 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035279.D

Acq: 18 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

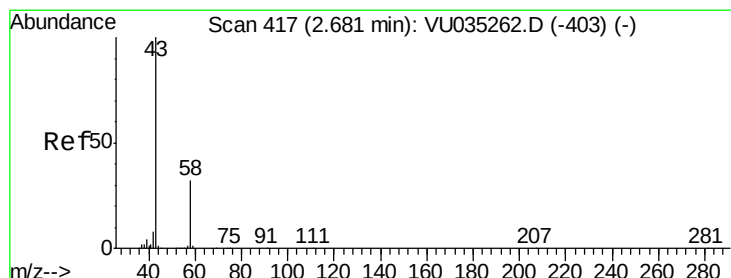
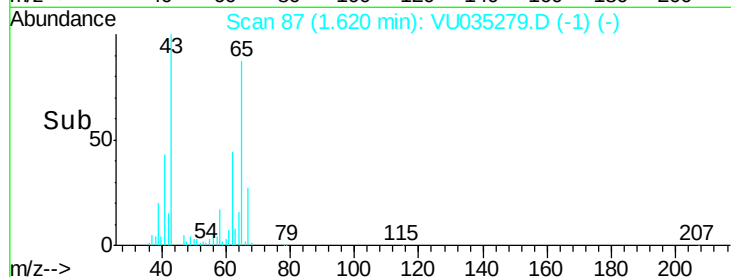
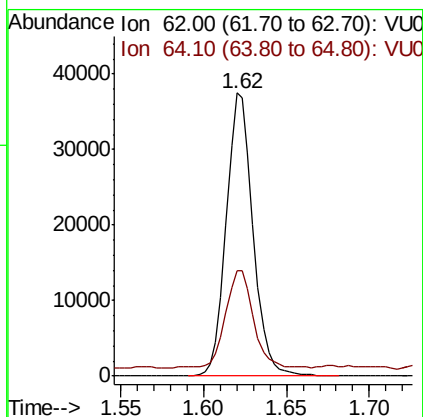
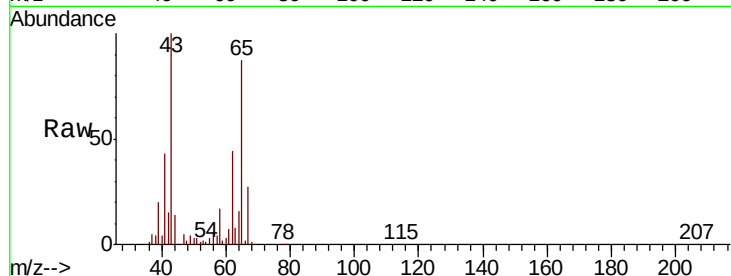
H0FY7

Tot Ion: 62 Resp: 42062

Ion Ratio Lower Upper

62 100

64 37.4 22.9 42.5



#13

Acetone

Concen: 1.709 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU035279.D

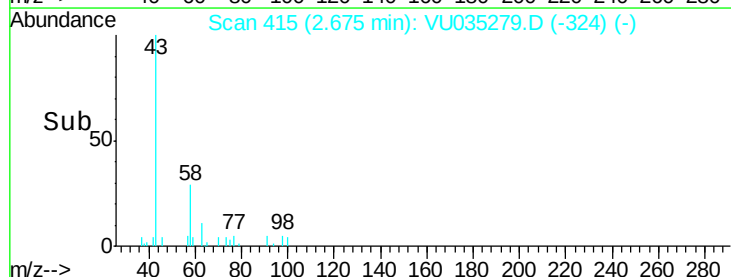
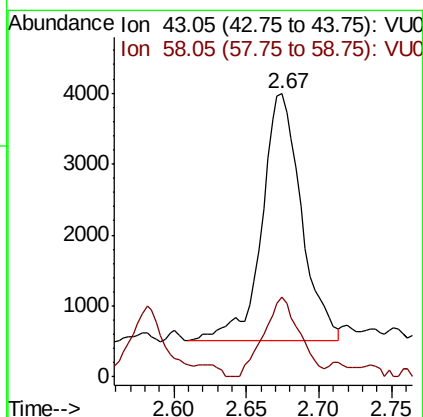
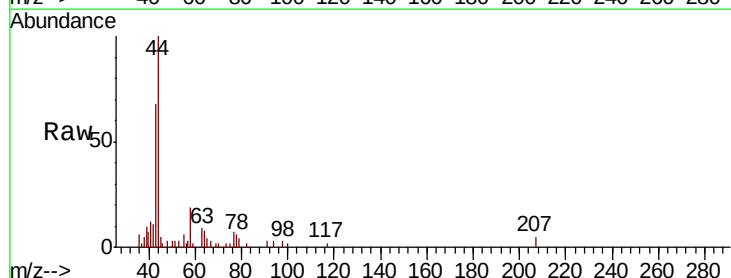
Acq: 18 Oct 2019 20:21

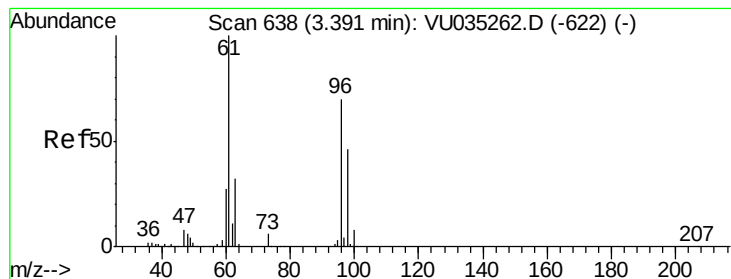
Tgt Ion: 43 Resp: 6637

Ion Ratio Lower Upper

43 100

58 29.4 0.0 61.8





#18

trans-1,2-Dichloroethene

Concen: 0.153 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035279.D

Acq: 18 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampled :

H0FY7

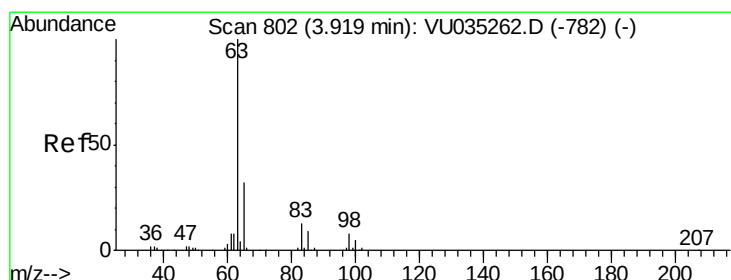
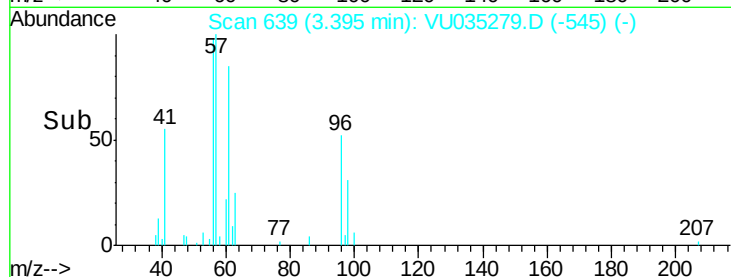
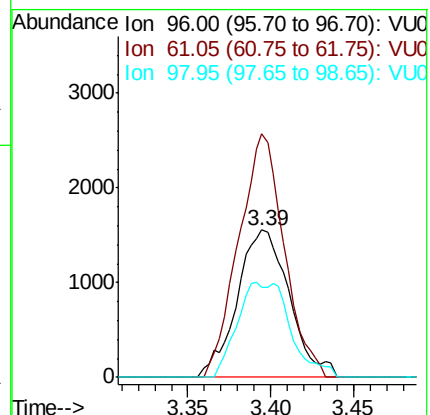
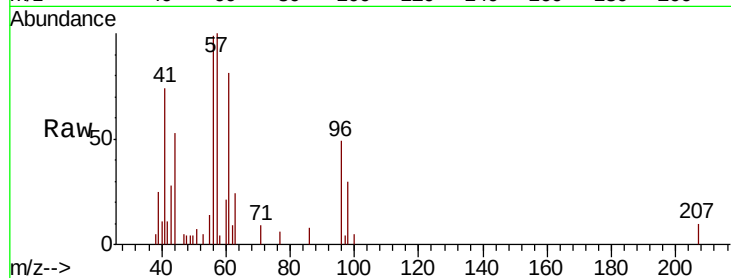
Tot Ion: 96 Resp: 3390

Ion Ratio Lower Upper

96 100

61 165.0 93.0 172.6

98 60.8 43.7 81.1



#19

1,1-Dichloroethane

Concen: 0.277 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035279.D

Acq: 18 Oct 2019 20:21

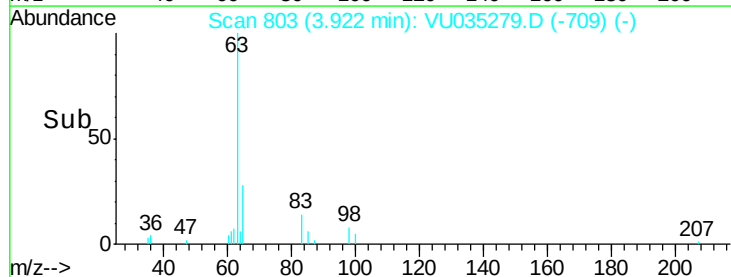
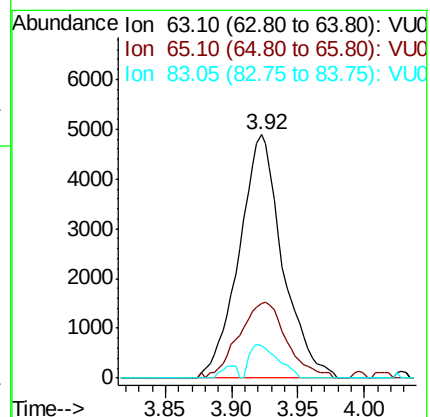
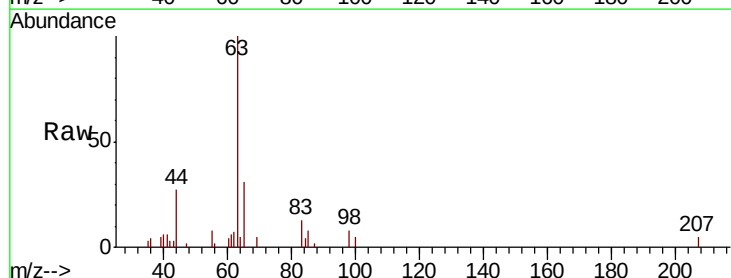
Tgt Ion: 63 Resp: 11087

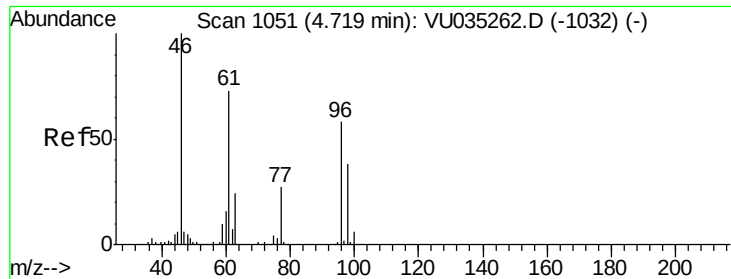
Ion Ratio Lower Upper

63 100

65 30.8 22.4 41.6

83 13.2 9.3 17.3

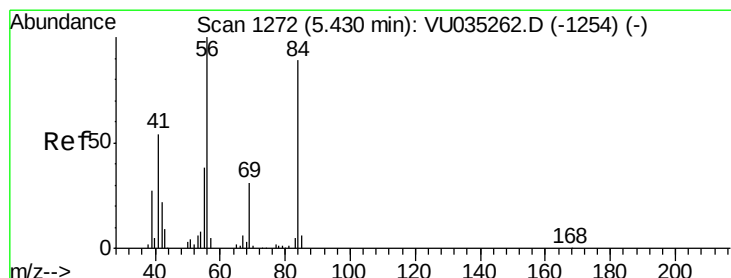
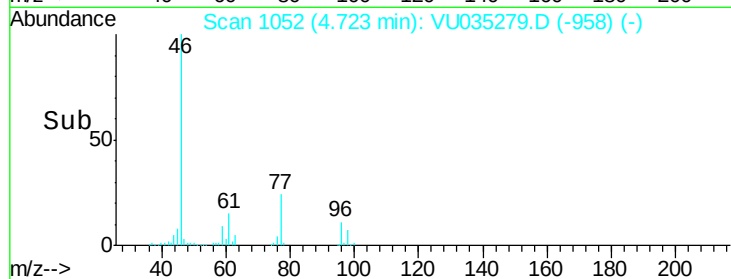
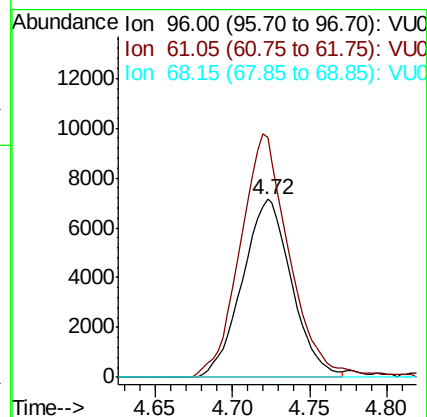
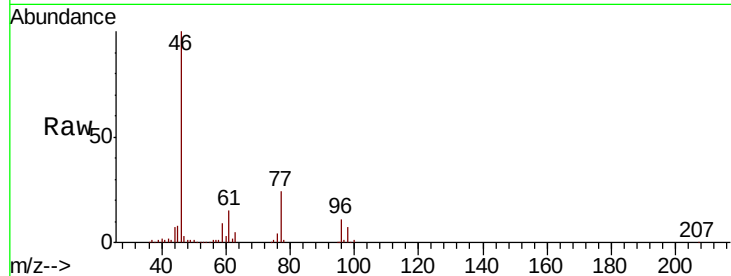




#22
 cis-1,2-Dichloroethene
 Concen: 0.649 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035279.D
 Acq: 18 Oct 2019 20:21

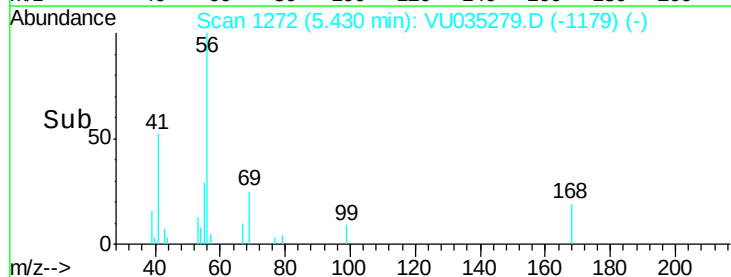
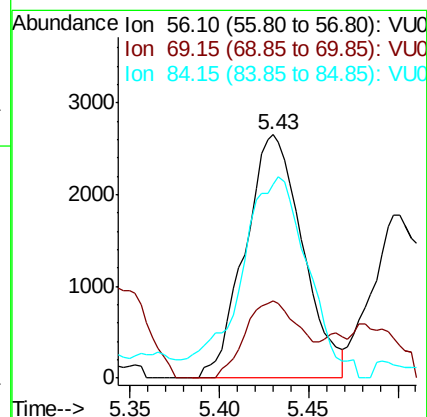
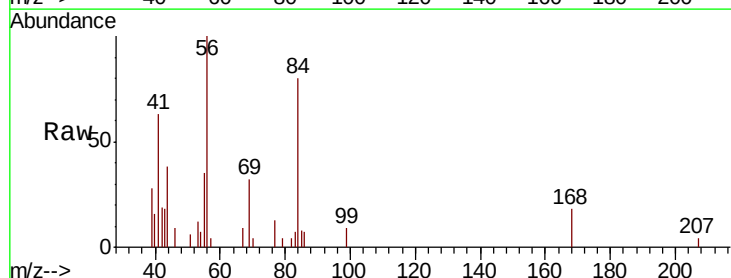
Instrument :
 MSVOA_U
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 H0FY7

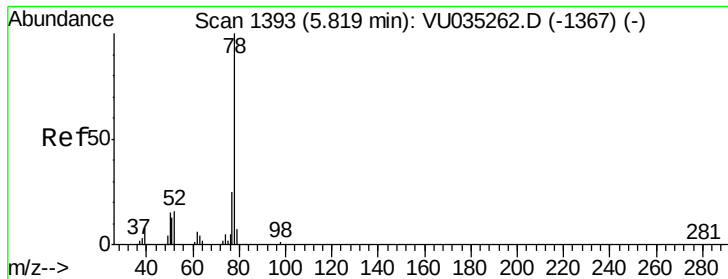
Tot Ion: 96 Resp: 15842
 Ion Ratio Lower Upper
 96 100
 61 134.5 89.7 166.5
 68 0.0 0.0 0.0



#30
 Cyclohexane
 Concen: 0.151 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035279.D
 Acq: 18 Oct 2019 20:21

Tgt Ion: 56 Resp: 5997
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.6 36.8
 84 96.5 71.5 107.3





#33

Benzene

Concen: 0.200 ug/L

RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU035279.D

Acq: 18 Oct 2019 20:21

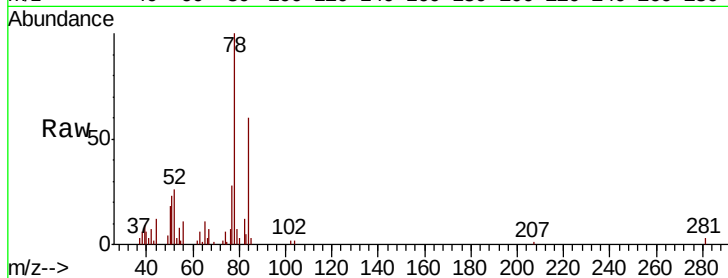
Instrument :

MSVOA_U

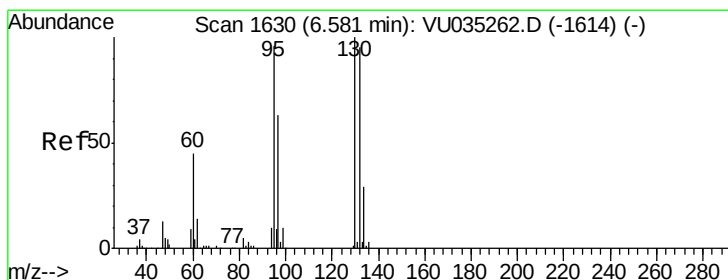
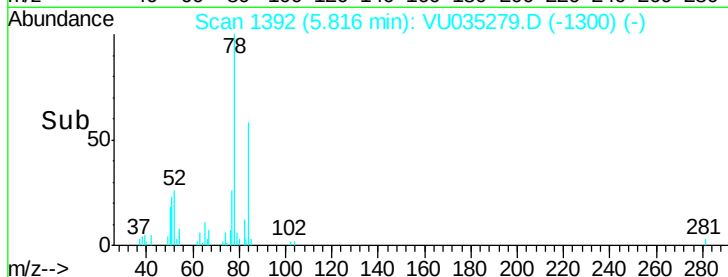
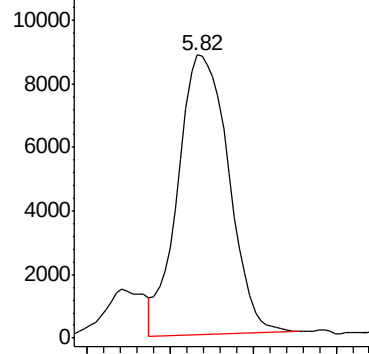
ClientSampleId :

H0FY7

Tgt Ion: 78 Resp: 18673



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.167 ug/L

RT: 6.58 min Scan# 1630

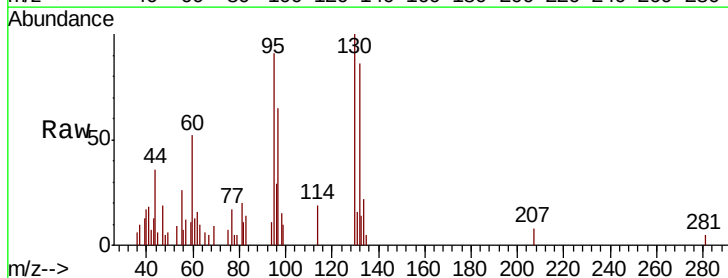
Delta R.T. 0.00 min

Lab File: VU035279.D

Acq: 18 Oct 2019 20:21

Tgt Ion: 95 Resp: 4172

Ion	Ratio	Lower	Upper
95	100		
97	70.8	46.6	86.6
132	94.1	68.7	127.7
130	109.7	73.9	137.3

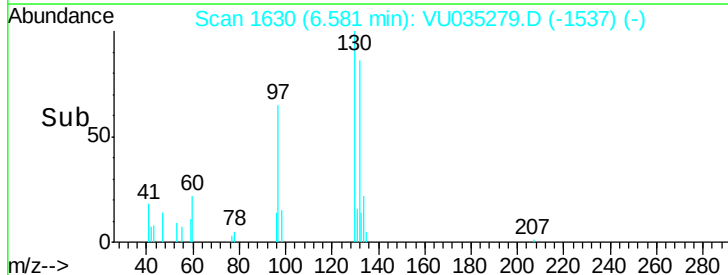
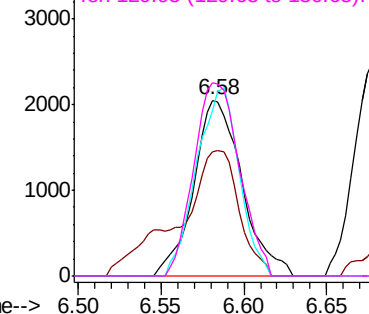


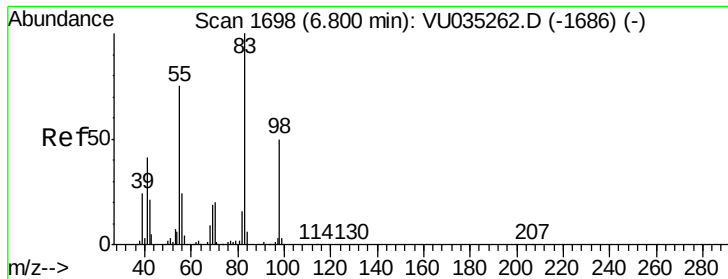
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

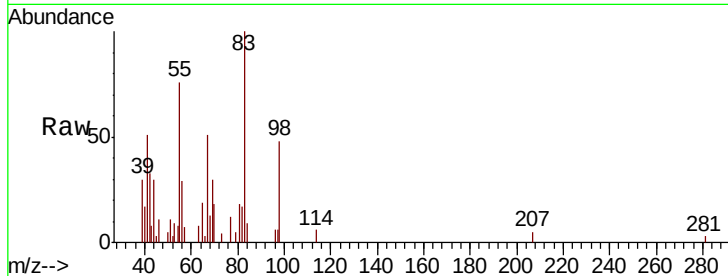




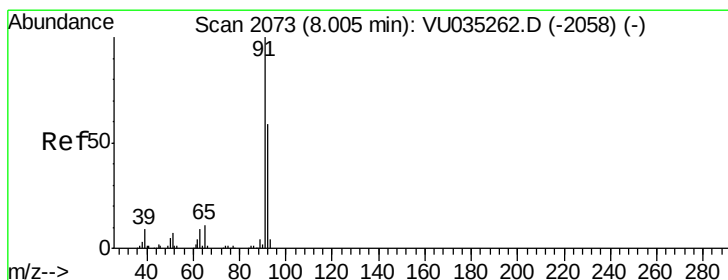
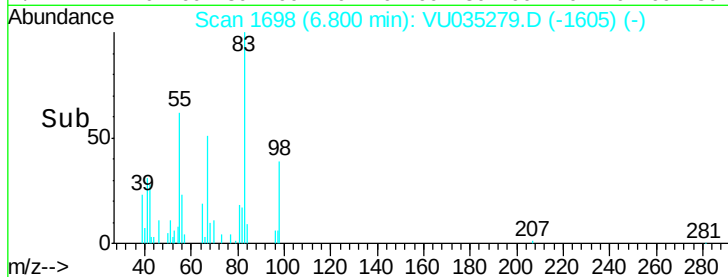
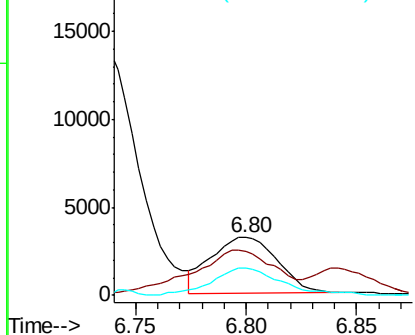
#35
Methylvlcyclohexane
Concen: 0.161 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035279.D
Acq: 18 Oct 2019 20:21

Instrument :
MSVOA_U
ClientSampleId :
H0FY7

Tot Ion: 83 Resp: 6732
Ion Ratio Lower Upper
83 100
55 104.0 60.4 90.6#
98 51.1 39.5 59.3

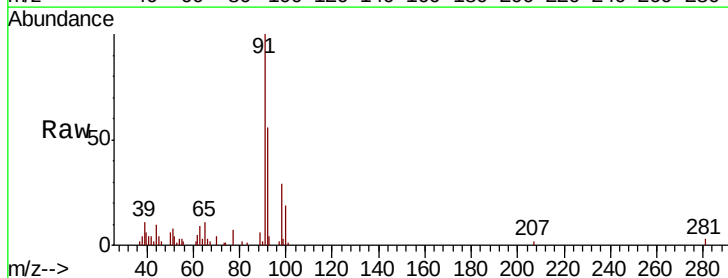


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

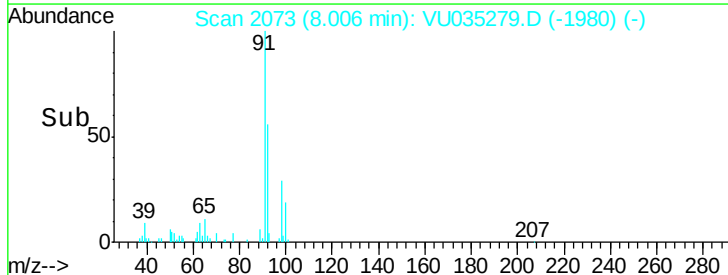
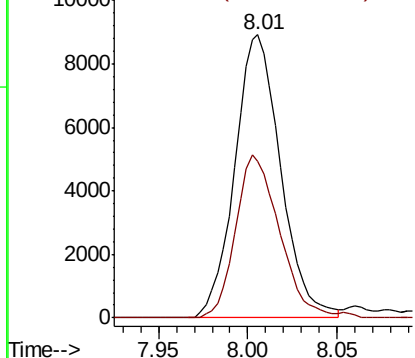


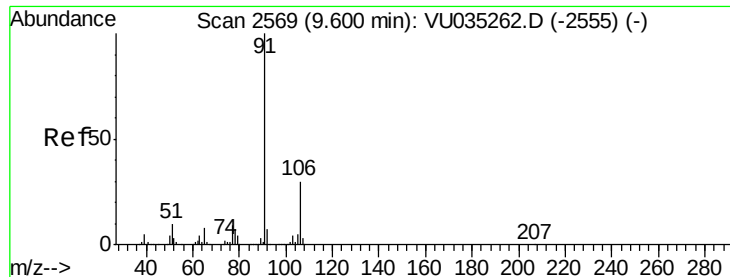
#42
Toluene
Concen: 0.155 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VU035279.D
Acq: 18 Oct 2019 20:21

Tgt Ion: 91 Resp: 15966
Ion Ratio Lower Upper
91 100
92 55.5 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#52

Ethylbenzene

Concen: 1.996 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035279.D

Acq: 18 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

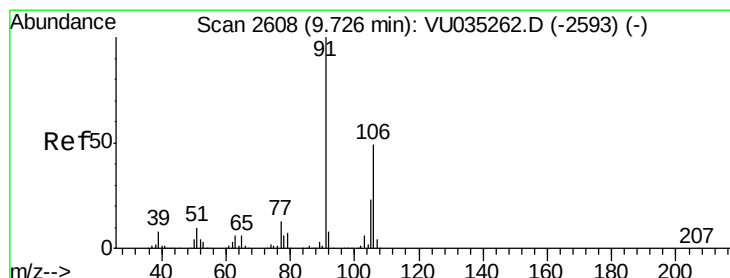
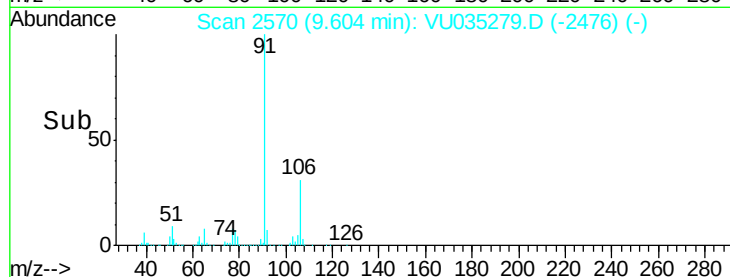
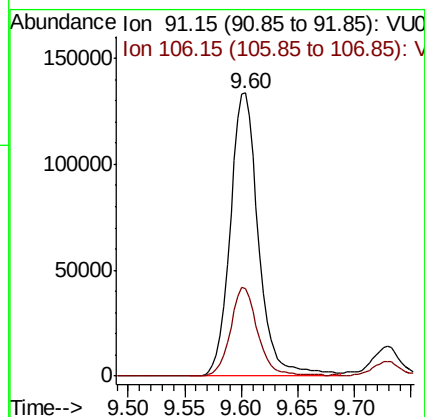
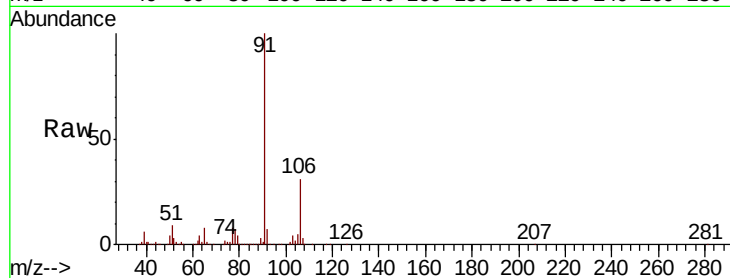
H0FY7

Tot Ion: 91 Resp: 233444

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



#53

m,p-Xylene

Concen: 0.292 ug/L

RT: 9.73 min Scan# 2609

Delta R.T. 0.00 min

Lab File: VU035279.D

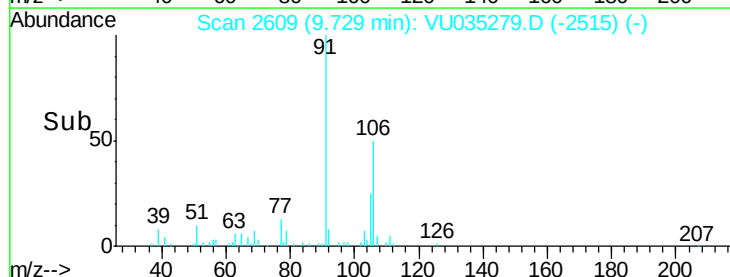
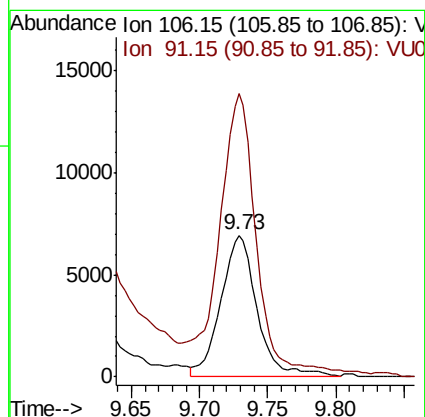
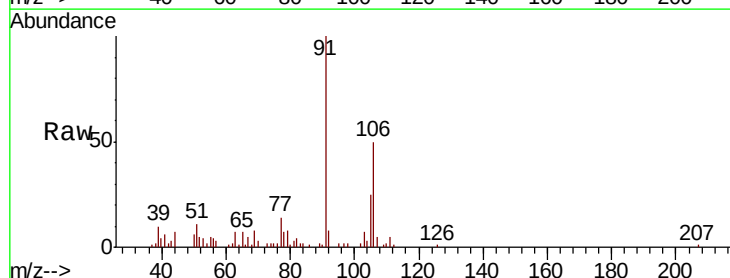
Acq: 18 Oct 2019 20:21

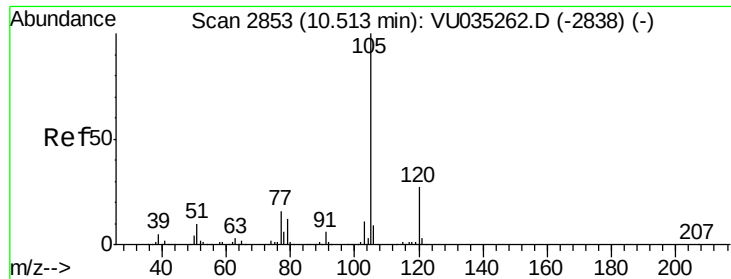
Tgt Ion: 106 Resp: 12890

Ion Ratio Lower Upper

106 100

91 199.8 142.0 263.6





#56

Isopropylbenzene

Concen: 0.119 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035279.D

Acq: 18 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

H0FY7

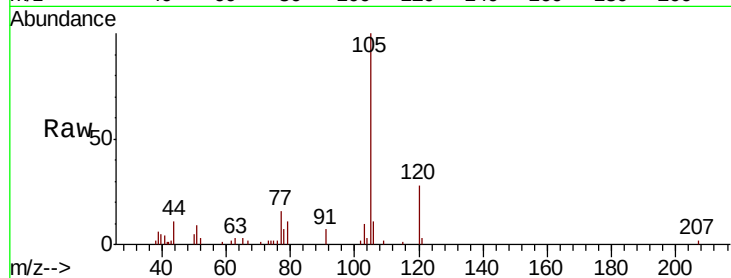
Tot Ion:105 Resp: 13750

Ion Ratio Lower Upper

105 100

120 27.1 21.0 31.6

77 18.1 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

