

Data File : VU035429.D
Acq On : 24 Oct 2019 00:12
Operator : JC/SP
Sample : K5488-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G55

Quant Time: Oct 24 05:26:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	214538	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	220431	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	66151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	55605	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.93	69	59612	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.60	63	80369	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.70	46	224132	59.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.24%
24) Chloroform-d	5.11	84	128416	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.75	65	75491	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
32) Benzene-d6	5.77	84	237798	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.74	67	87789	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.93	98	193983	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.21	79	31500	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.69	63	159461	46.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.10%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	81877	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.80%
64) 1,2-Dichlorobenzene-d4	12.23	152	61442	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

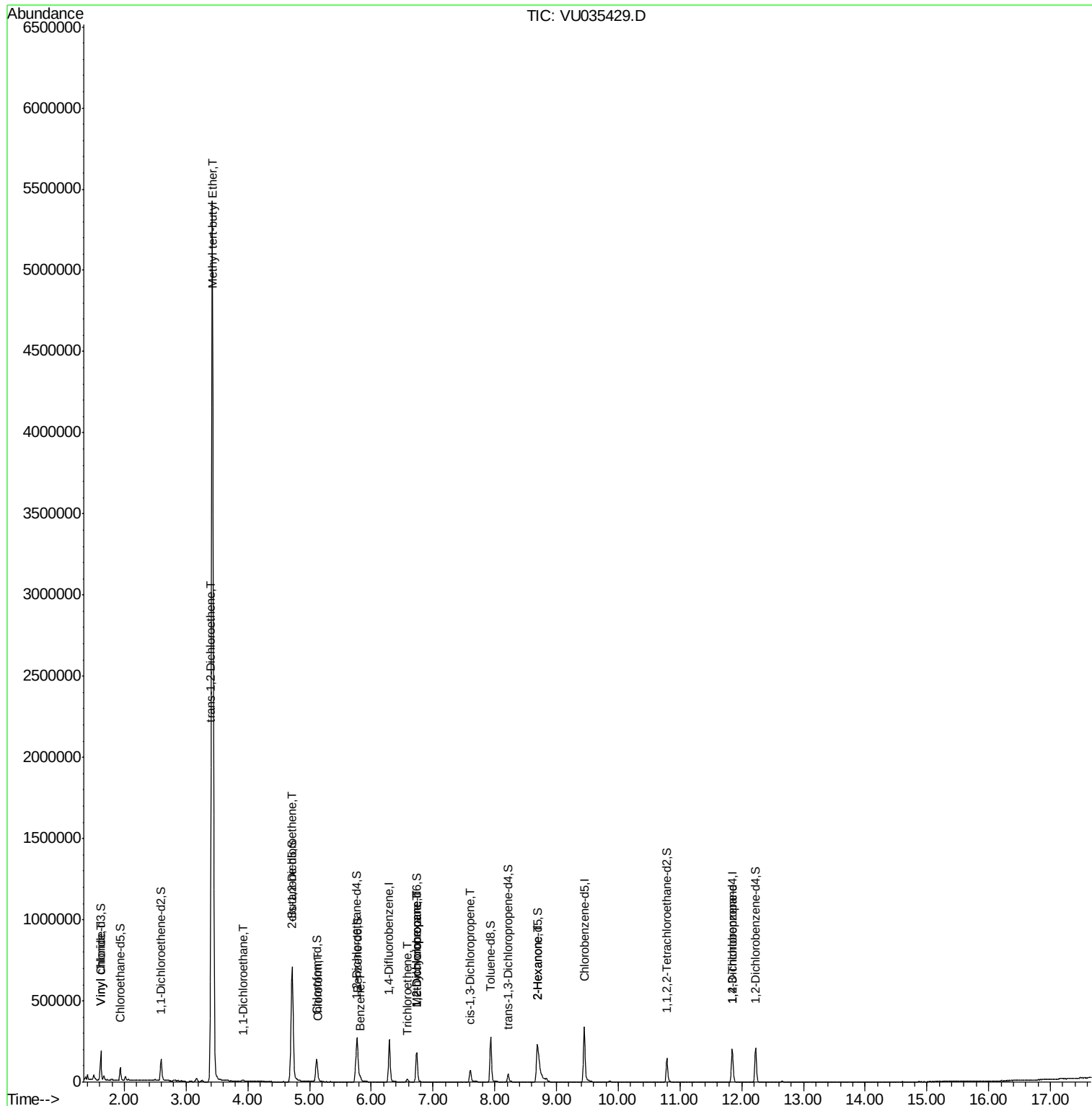
					Qvalue
5) Vinyl chloride	1.62	62	39469	2.122	ug/L 91
17) Methyl tert-butyl Ether	3.43	73	6033817	162.655	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	13183	0.886	ug/L 95
19) 1,1-Dichloroethane	3.92	63	10097	0.375	ug/L 97
22) cis-1,2-Dichloroethene	4.72	96	333365	20.277	ug/L 98
25) Chloroform	5.14	83	7337	0.249	ug/L 93
33) Benzene	5.82	78	29725	0.458	ug/L 100
34) Trichloroethene	6.58	95	5506	0.316	ug/L 89
35) Methylcyclohexane	6.74	83	19998	0.686	ug/L # 19
37) 1,2-Dichloropropane	6.74	63	9223	0.560	ug/L # 87
39) cis-1,3-Dichloropropene	7.60	75	2011	0.073	ug/L # 56
48) 2-Hexanone	8.69	43	15098	1.937	ug/L # 66
59) 1,2,3-Trichloropropane	11.85	75	8214	0.716	ug/L # 88

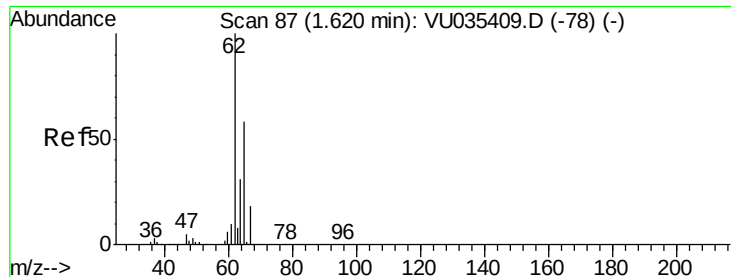
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.122 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035429.D

Acq: 24 Oct 2019 00:12

Instrument :

MSVOA_U

ClientSampleId :

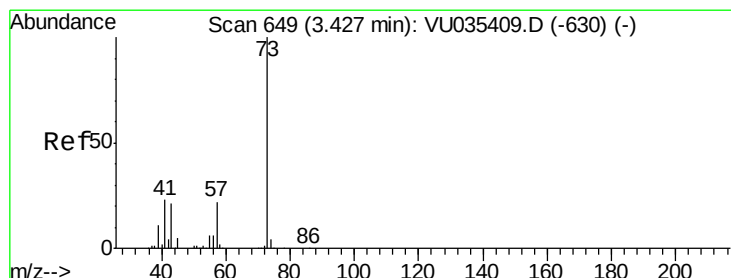
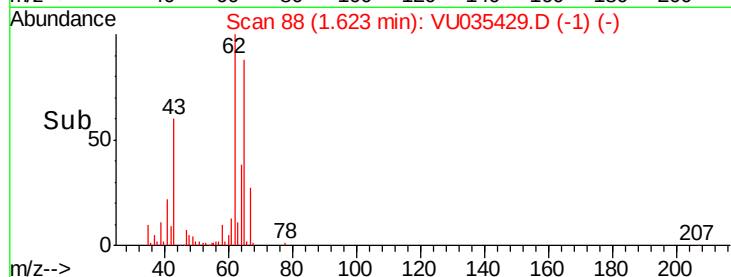
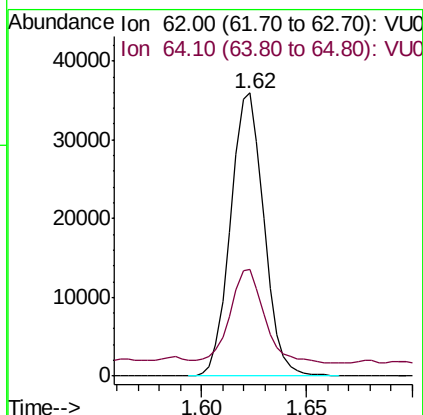
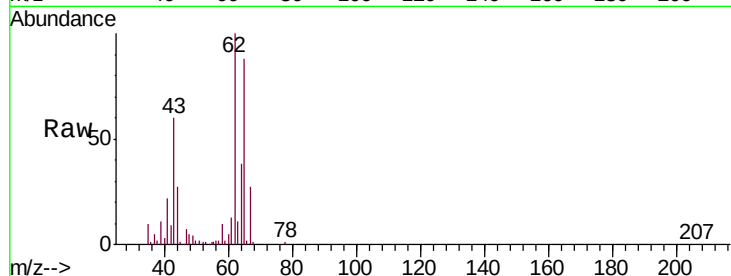
H0G55

Tgt Ion: 62 Resp: 39469

Ion Ratio Lower Upper

62 100

64 37.5 22.9 42.5



#17

Methyl tert-butyl Ether

Concen: 162.655 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035429.D

Acq: 24 Oct 2019 00:12

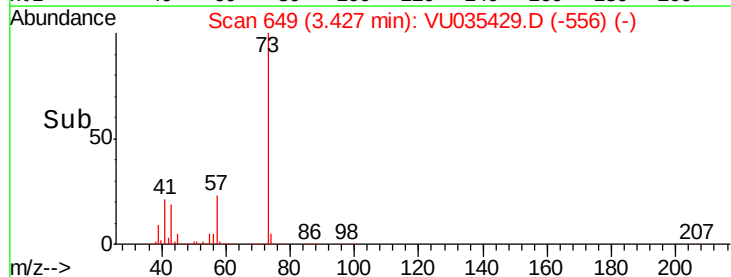
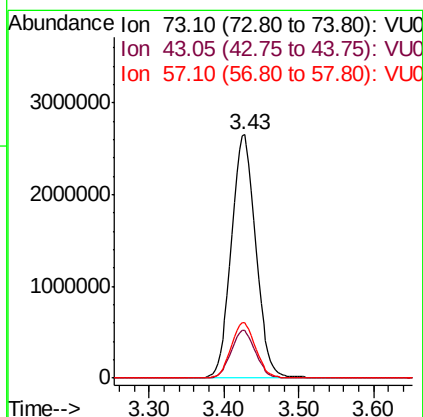
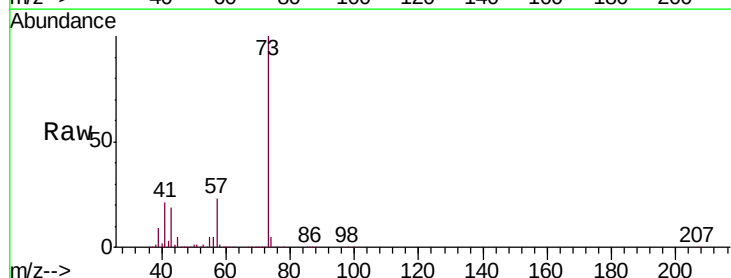
Tgt Ion: 73 Resp: 6033817

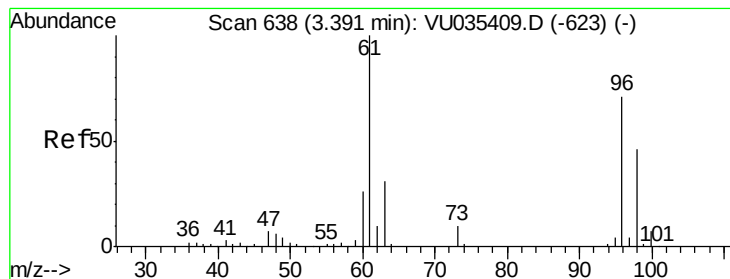
Ion Ratio Lower Upper

73 100

43 19.6 16.0 24.0

57 22.8 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 0.886 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035429.D

Acq: 24 Oct 2019 00:12

Instrument :

MSVOA_U

ClientSampleId :

H0G55

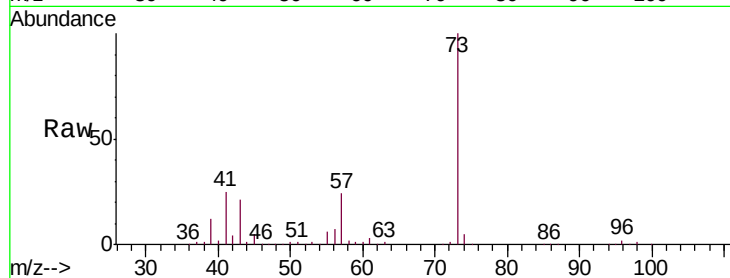
Tgt Ion: 96 Resp: 13183

Ion Ratio Lower Upper

96 100

61 139.7 93.0 172.6

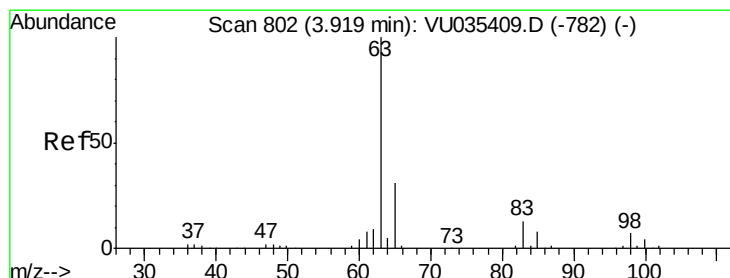
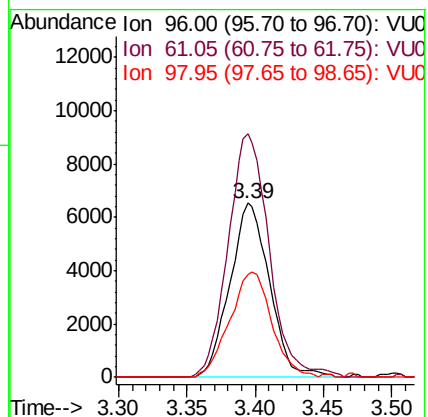
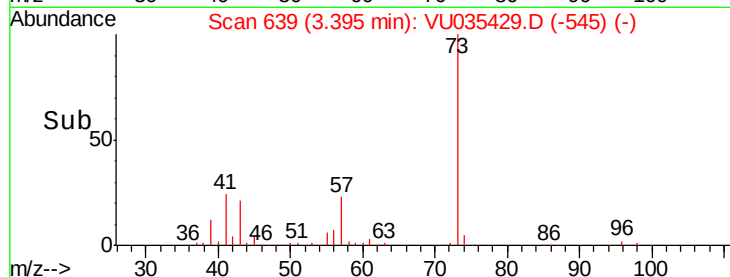
98 59.1 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035429.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035429.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035429.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.375 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU035429.D

Acq: 24 Oct 2019 00:12

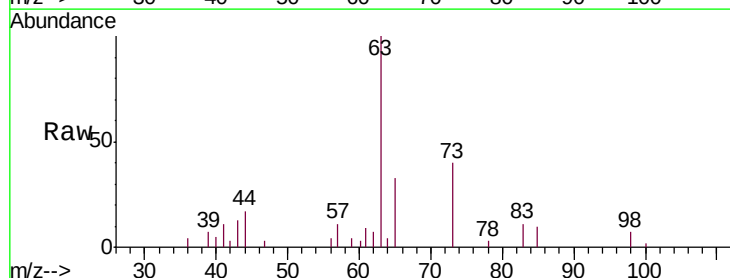
Tgt Ion: 63 Resp: 10097

Ion Ratio Lower Upper

63 100

65 32.9 22.4 41.6

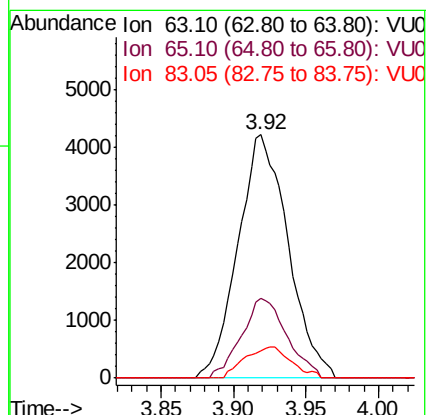
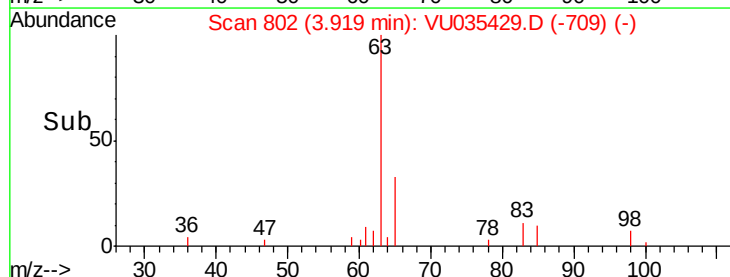
83 11.1 9.3 17.3

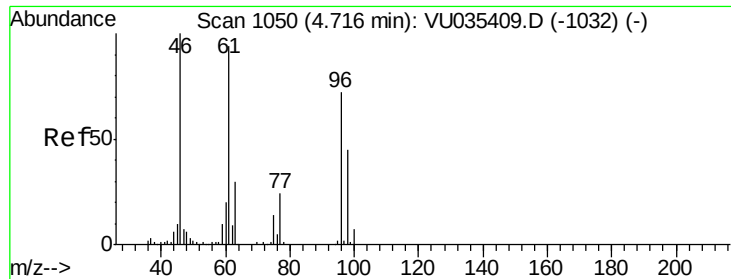


Abundance Ion 63.10 (62.80 to 63.80): VU035429.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035429.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035429.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 20.277 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035429.D

Acq: 24 Oct 2019 00:12

Instrument :

MSVOA_U

ClientSampleId :

H0G55

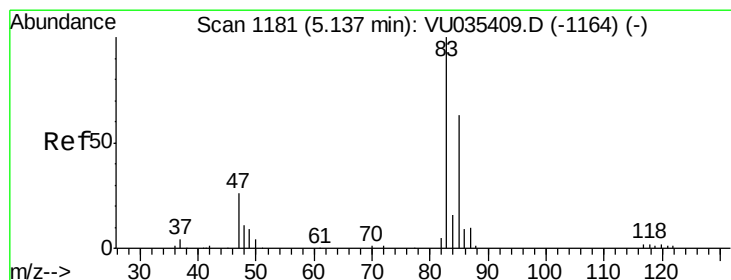
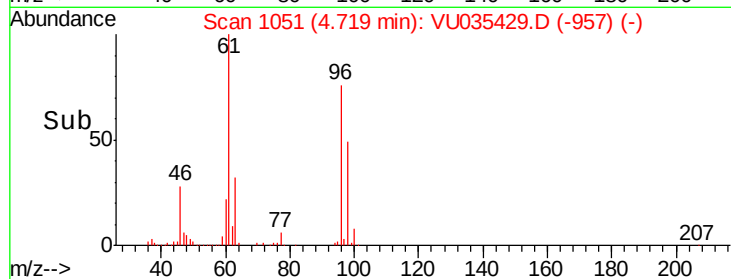
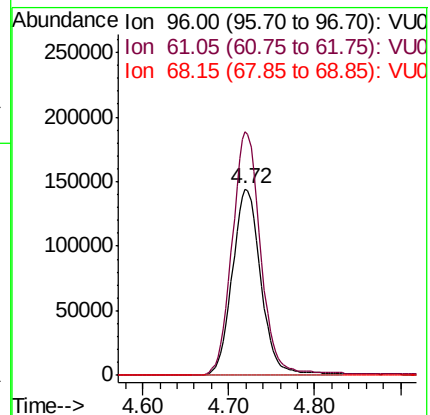
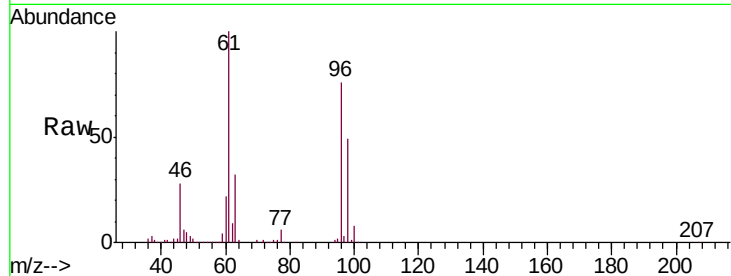
Tgt Ion: 96 Resp: 333365

Ion Ratio Lower Upper

96 100

61 130.8 89.7 166.5

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.249 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035429.D

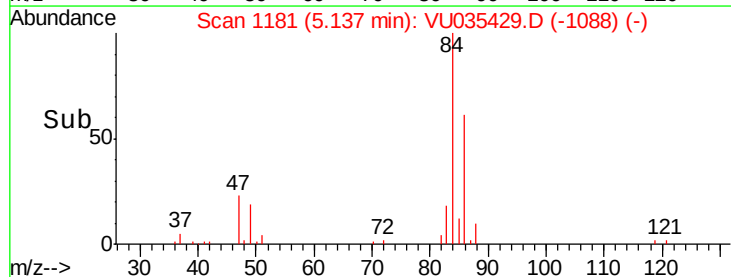
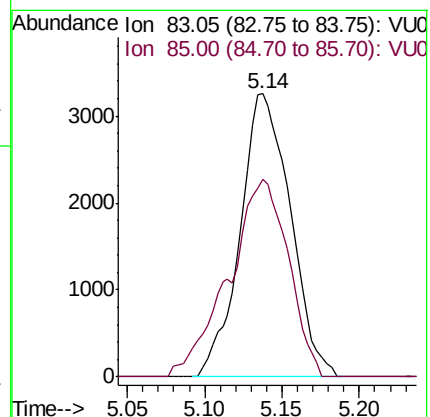
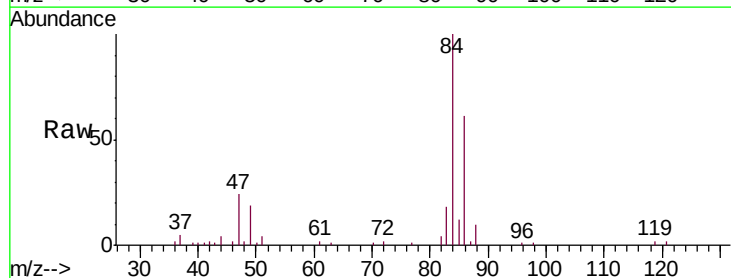
Acq: 24 Oct 2019 00:12

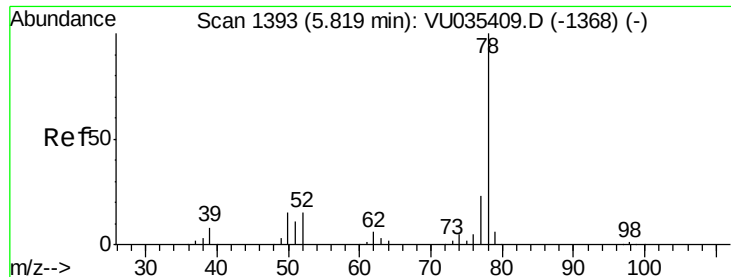
Tgt Ion: 83 Resp: 7337

Ion Ratio Lower Upper

83 100

85 69.7 45.1 83.9

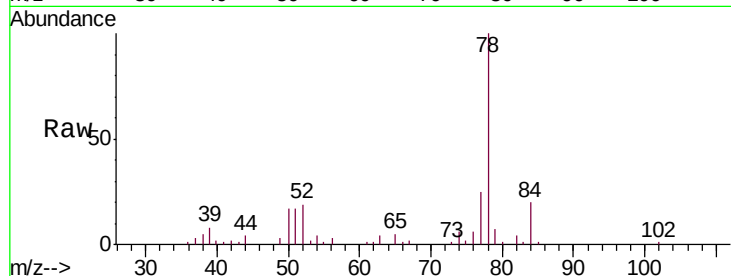




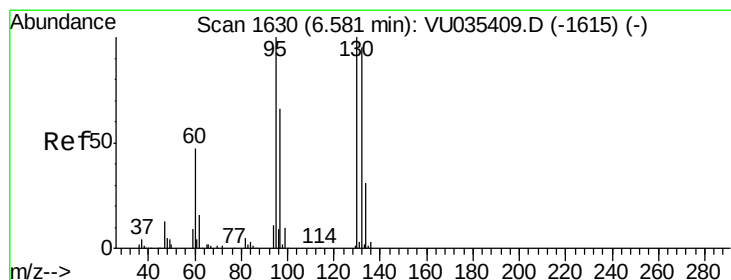
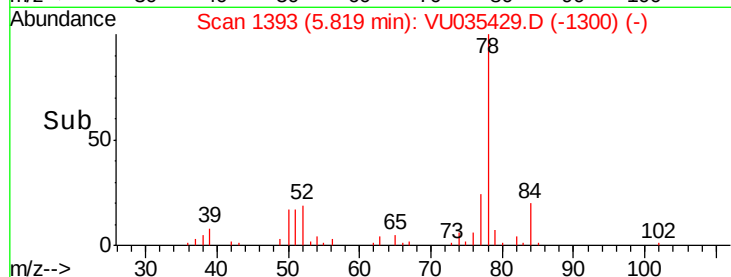
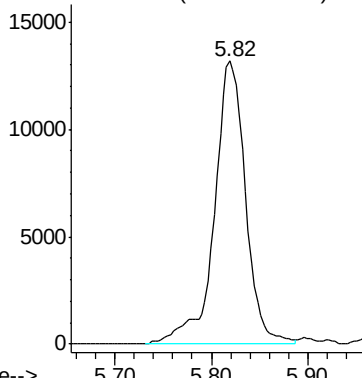
#33
Benzene
Concen: 0.458 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035429.D
Acq: 24 Oct 2019 00:12

Instrument :
MSVOA_U
ClientSampleId :
H0G55

Tgt Ion: 78 Resp: 29725

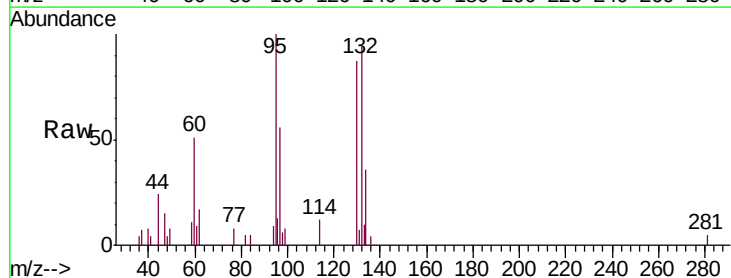


Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 0.316 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU035429.D
Acq: 24 Oct 2019 00:12

Tgt Ion: 95 Resp: 5506
Ion Ratio Lower Upper
95 100
97 56.5 46.6 86.6
132 94.4 68.7 127.7
130 87.2 73.9 137.3

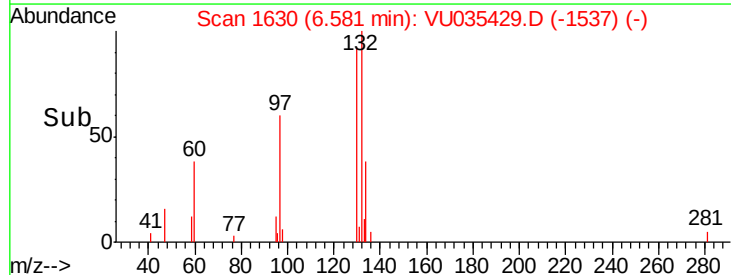
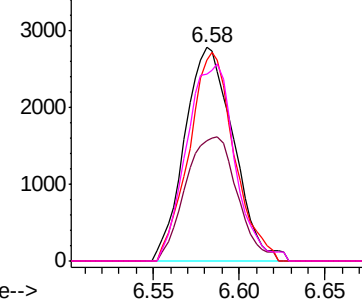


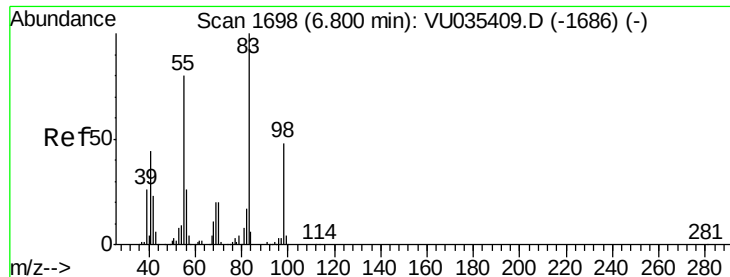
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

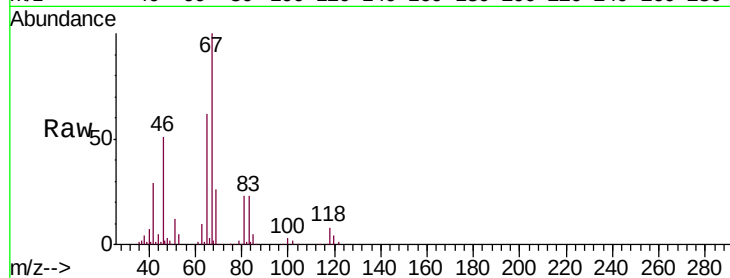




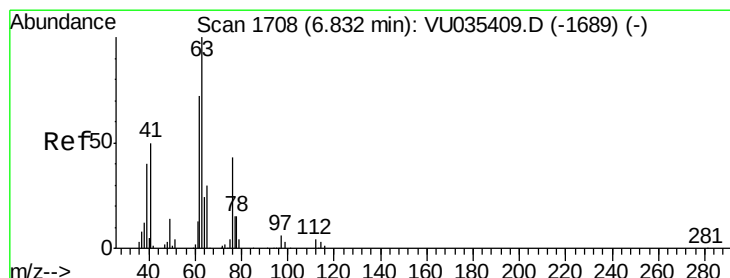
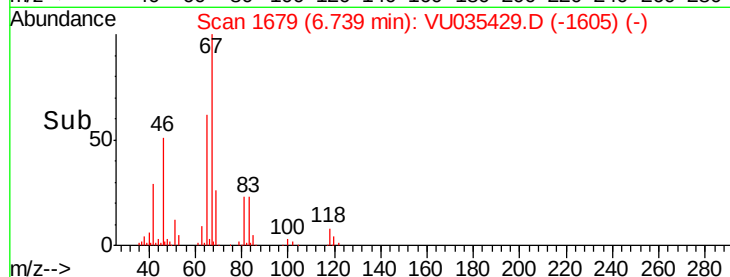
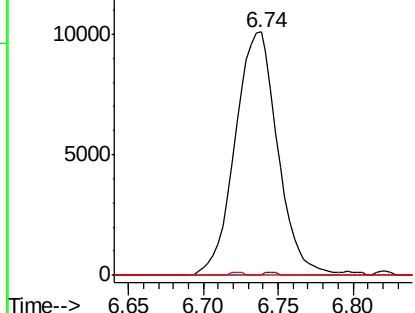
#35
Methylcyclohexane
Concen: 0.686 ug/L
RT: 6.74 min Scan# 1679
Delta R.T. -0.06 min
Lab File: VU035429.D
Acq: 24 Oct 2019 00:12

Instrument :
MSVOA_U
ClientSampleId :
H0G55

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.4	60.4	90.6#
98	0.3	39.5	59.3#

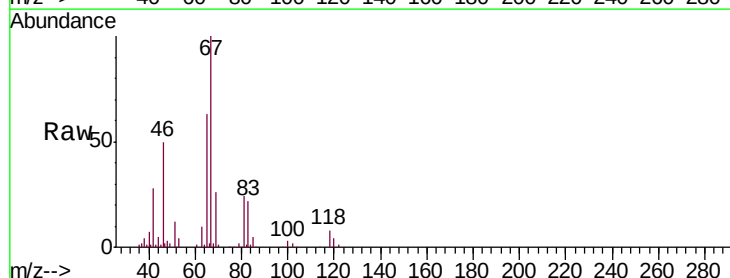


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

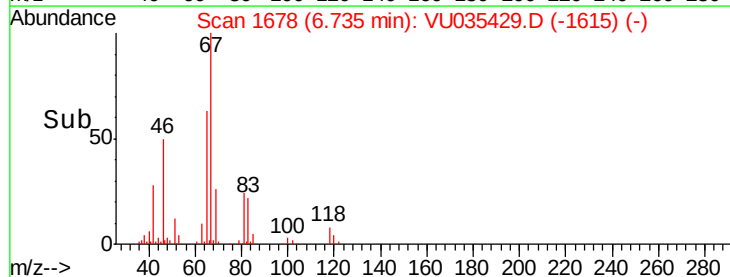
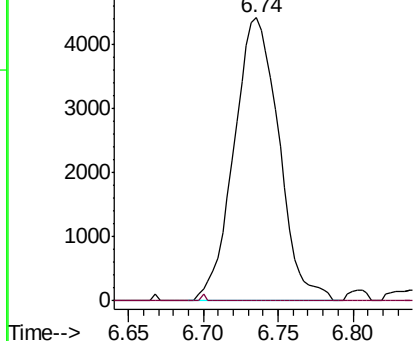


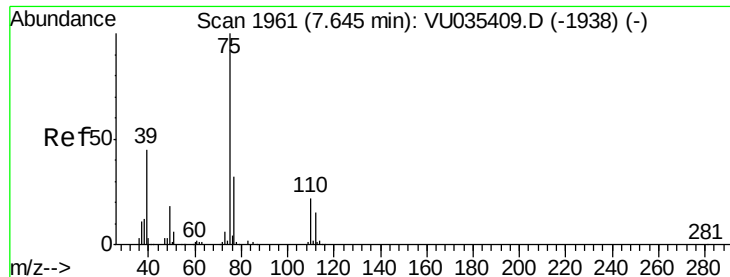
#37
1,2-Dichloropropane
Concen: 0.560 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035429.D
Acq: 24 Oct 2019 00:12

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.2	3.7	5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

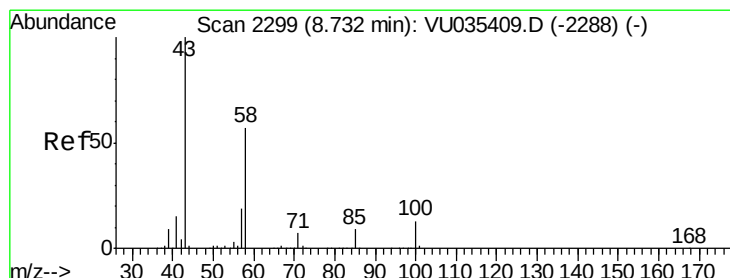
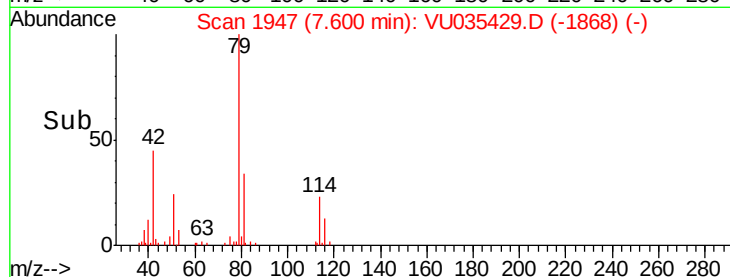
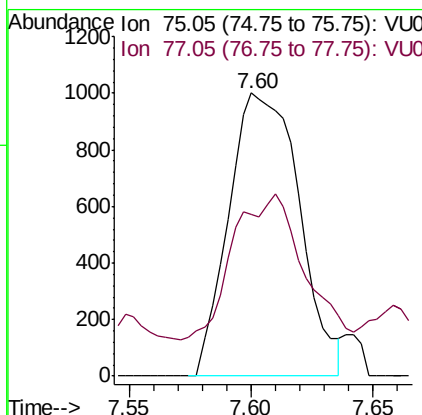
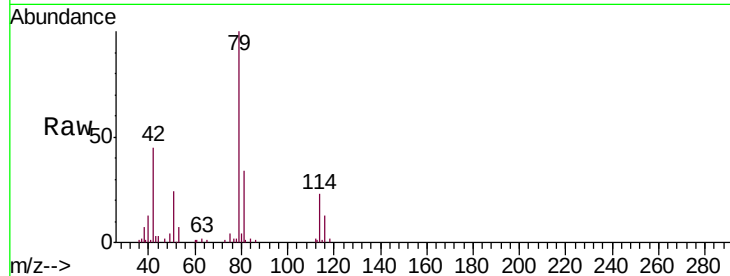




#39
 cis-1,3-Dichloropropene
 Concen: 0.073 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.05 min
 Lab File: VU035429.D
 Acq: 24 Oct 2019 00:12

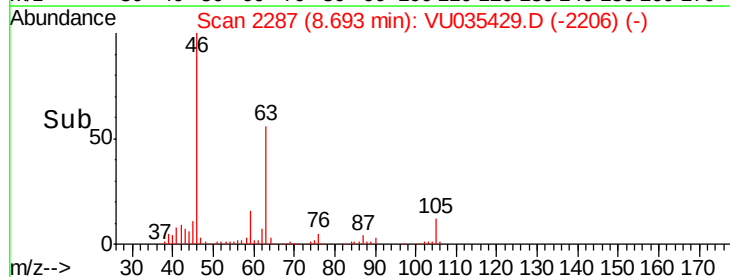
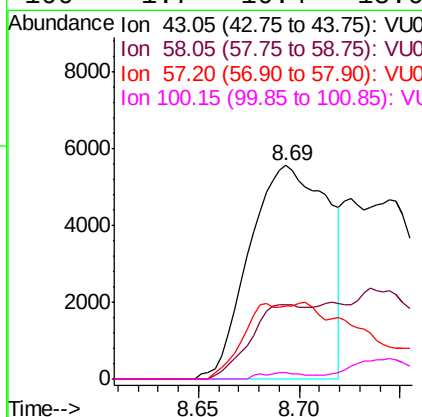
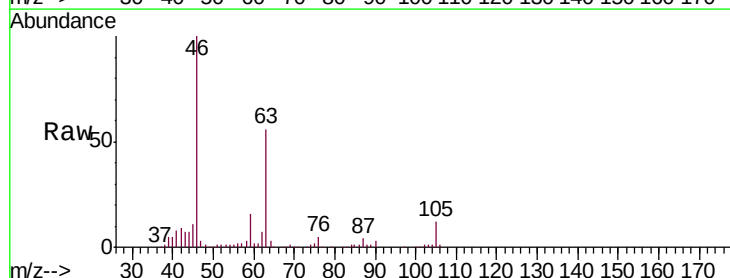
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G55

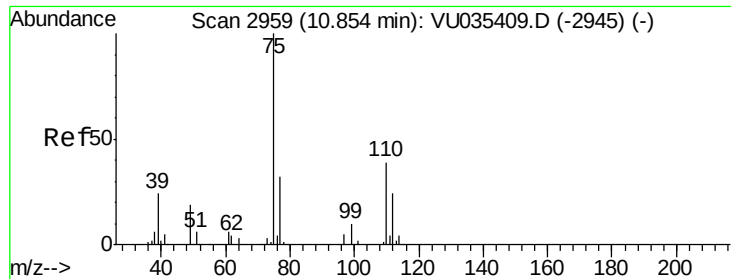
Tgt Ion: 75 Resp: 2011
 Ion Ratio Lower Upper
 75 100
 77 57.0 22.7 42.1#



#48
 2-Hexanone
 Concen: 1.937 ug/L
 RT: 8.69 min Scan# 2287
 Delta R.T. -0.04 min
 Lab File: VU035429.D
 Acq: 24 Oct 2019 00:12

Tgt Ion: 43 Resp: 15098
 Ion Ratio Lower Upper
 43 100
 58 23.9 45.1 67.7#
 57 16.8 16.0 24.0
 100 1.7 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.716 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.99 min

Lab File: VU035429.D

Acq: 24 Oct 2019 00:12

Instrument :

MSVOA_U

ClientSampleId :

H0G55

Tgt Ion: 75 Resp: 8214

Ion Ratio Lower Upper

75 100

77 39.6 26.2 39.2#

