

Data File : VU035345.D
Acq On : 22 Oct 2019 01:28
Operator : JC/SP
Sample : K5458-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0K30

Quant Time: Oct 22 06:45:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	288830	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	287753	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	101766	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	113429	6.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.80%
7) Chloroethane-d5	1.93	69	103161	6.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	128.20%
11) 1,1-Dichloroethene-d2	2.60	63	158510	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	4.70	46	260811	51.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.06%
24) Chloroform-d	5.11	84	192925	6.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.00%
26) 1,2-Dichloroethane-d4	5.75	65	104808	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
32) Benzene-d6	5.77	84	389666	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.40%
36) 1,2-Dichloropropane-d6	6.74	67	123100	5.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.80%
41) Toluene-d8	7.93	98	342752	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
43) trans-1,3-Dichloropropene-	8.22	79	46979	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.69	63	210645	47.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.22%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	99440	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	107584	5.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.00%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	3488	0.143 ug/L	88
5) Vinyl chloride	1.62	62	6801	0.272 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	10371	0.538 ug/L	94
12) 1,1-Dichloroethene	2.61	96	6095	0.328 ug/L #	1
13) Acetone	2.67	43	5233	1.486 ug/L	81
16) Methylene chloride	3.08	84	2263	0.101 ug/L	92
17) Methyl tert-butyl Ether	3.43	73	55975	1.121 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	4332	0.216 ug/L	93
19) 1,1-Dichloroethane	3.92	63	4540	0.125 ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	178402	8.060 ug/L	97
34) Trichloroethene	6.58	95	125565	5.516 ug/L	97
35) Methylcyclohexane	6.74	83	28944	0.761 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	14169	0.659 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	3302	0.092 ug/L #	48
47) Tetrachloroethene	8.58	164	26643	1.405 ug/L	98
48) 2-Hexanone	8.74	43	13266	1.304 ug/L #	38
49) Dibromochloromethane	8.59	129	23691	1.171 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

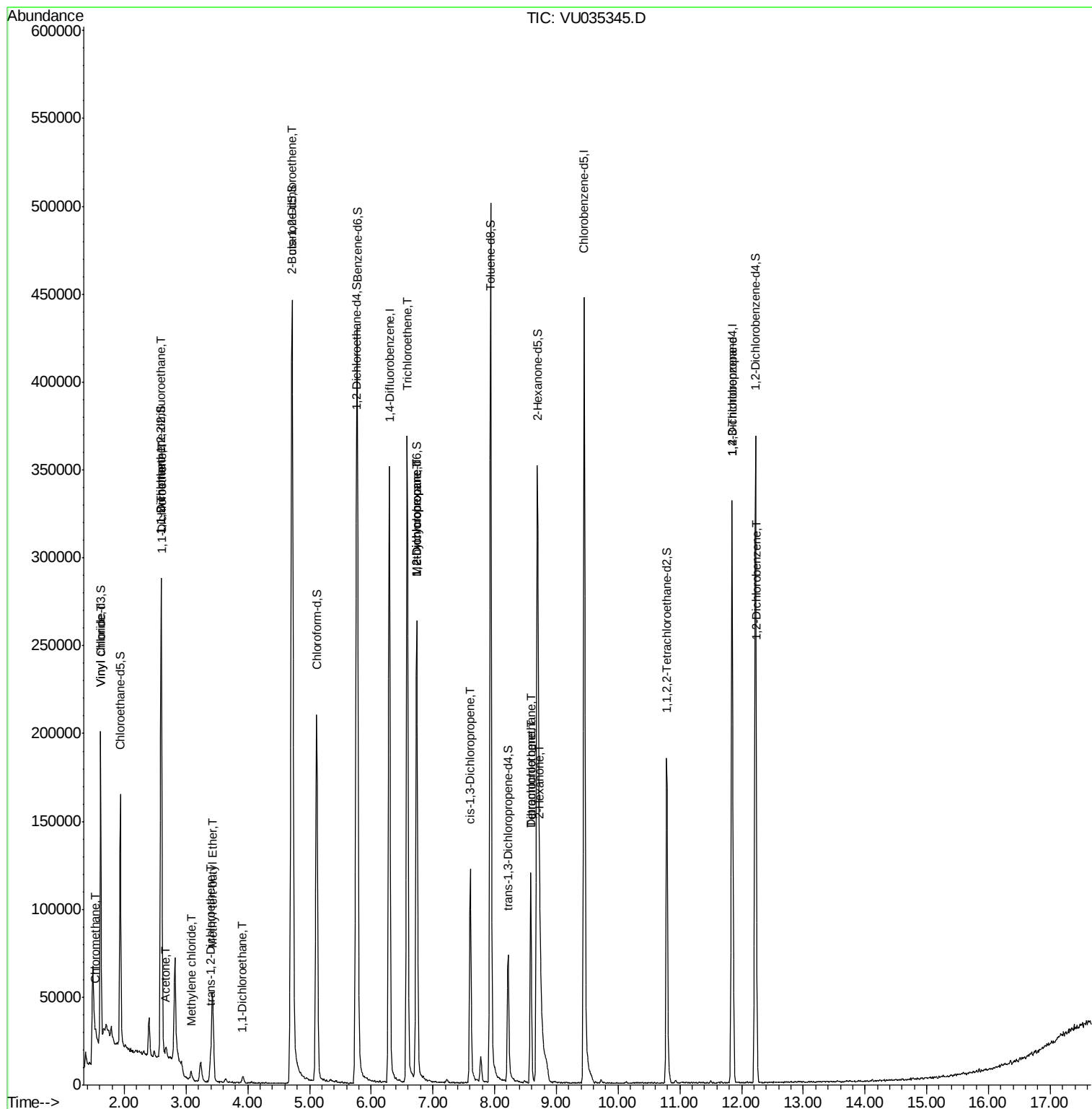
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.84	75	13310	0.889	ug/L	91
65) 1,2-Dichlorobenzene	12.25	146	3952	0.121	ug/L	92

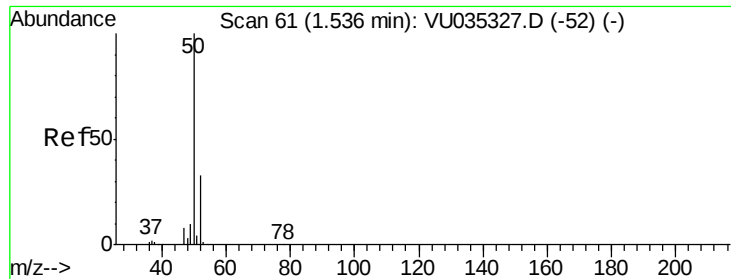
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.143 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

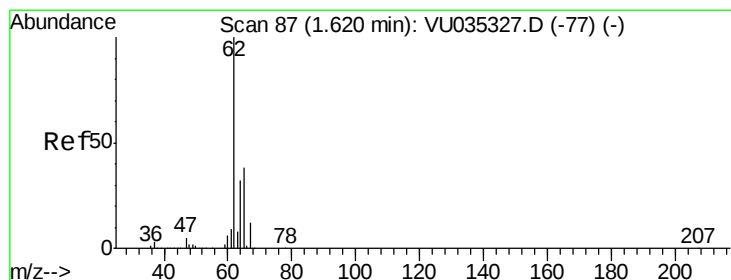
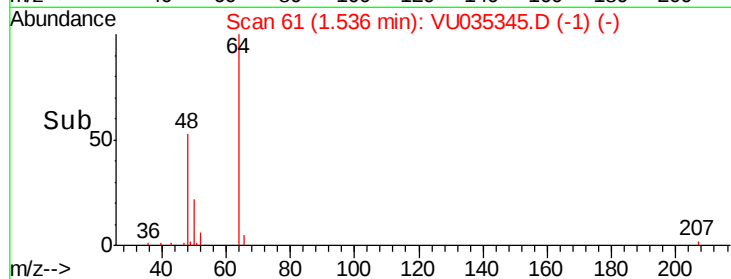
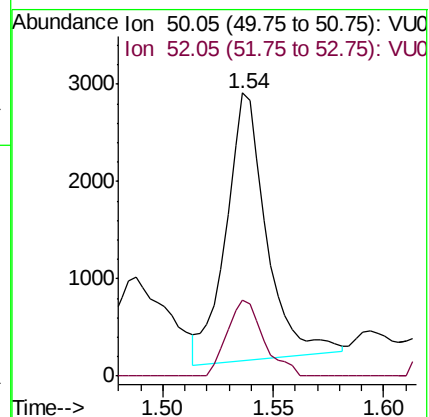
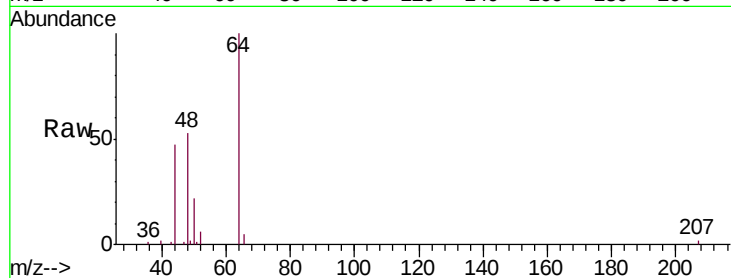
C0K30

Tgt Ion: 50 Resp: 3488

Ion Ratio Lower Upper

50 100

52 27.0 23.5 43.7



#5

Vinyl chloride

Concen: 0.272 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035345.D

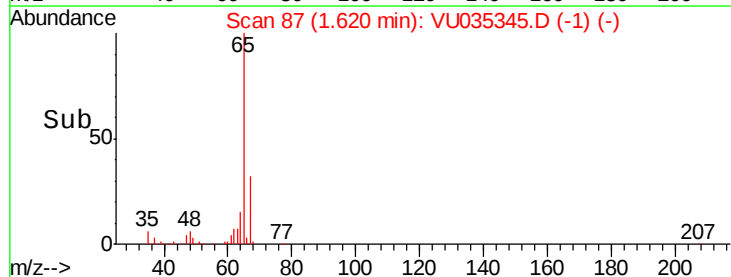
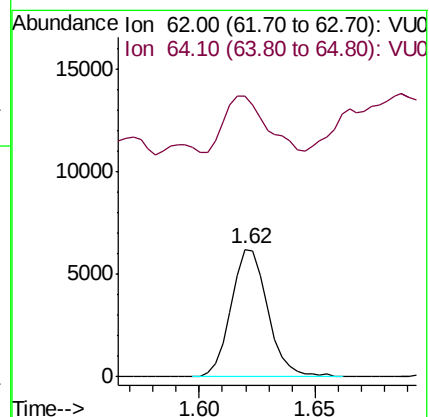
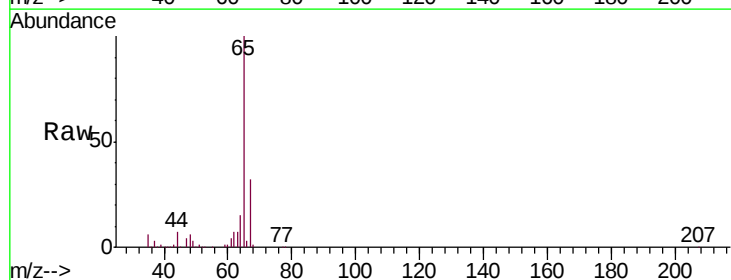
Acq: 22 Oct 2019 01:28

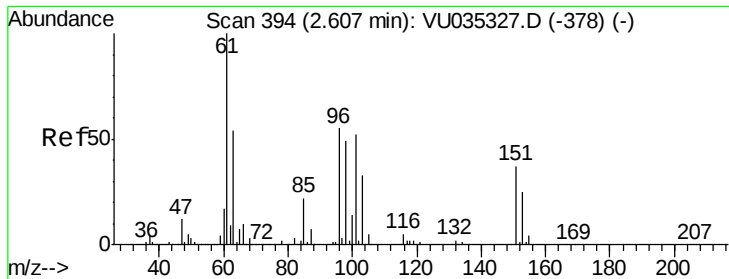
Tgt Ion: 62 Resp: 6801

Ion Ratio Lower Upper

62 100

64 220.1 22.9 42.5#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.538 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

C0K30

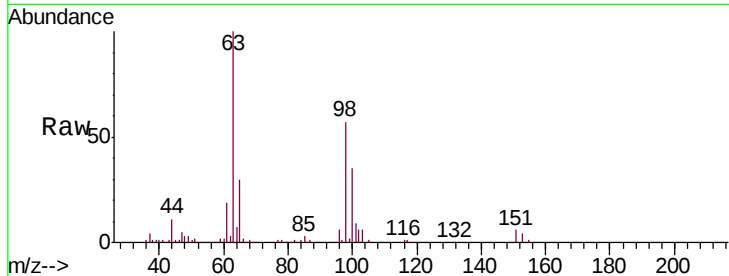
Tgt Ion: 101 Resp: 10371

Ion Ratio Lower Upper

101 100

85 40.5 33.9 50.9

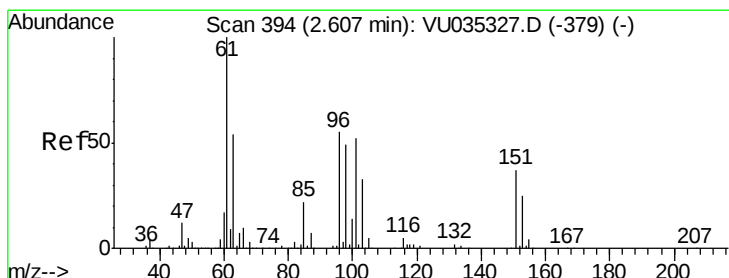
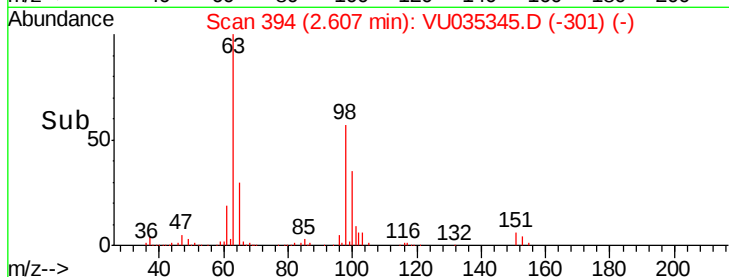
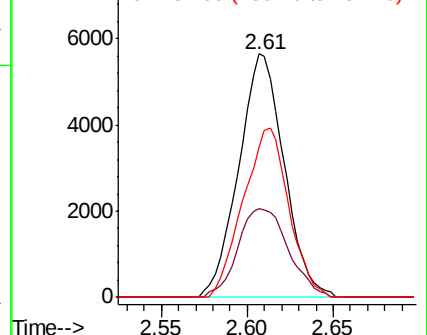
151 69.8 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.328 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

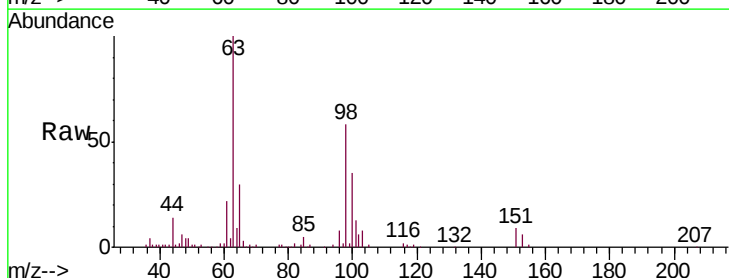
Tgt Ion: 96 Resp: 6095

Ion Ratio Lower Upper

96 100

61 289.4 120.6 224.0#

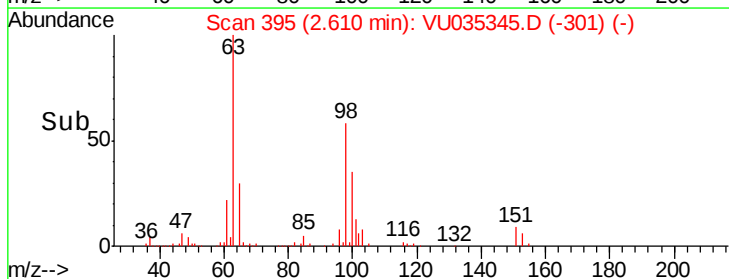
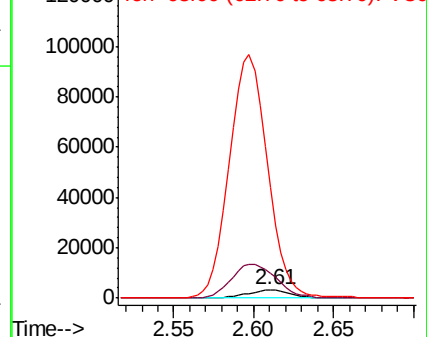
63 1286.2 86.8 161.2#

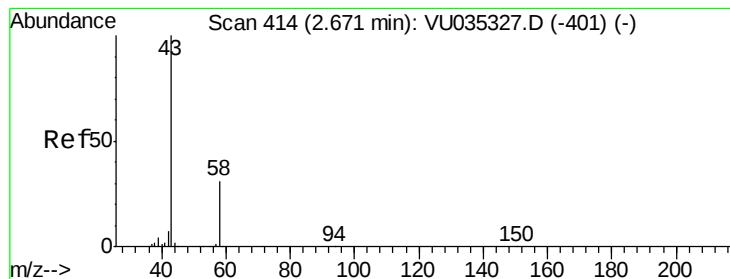


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.486 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

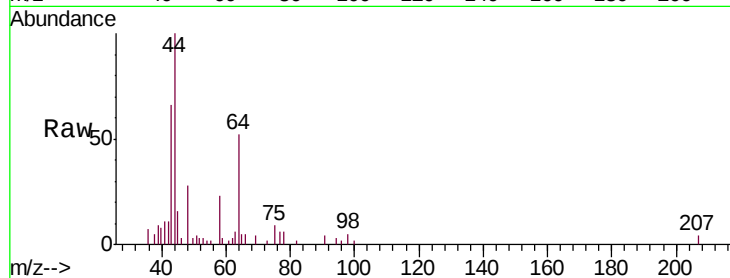
C0K30

Tgt Ion: 43 Resp: 5233

Ion Ratio Lower Upper

43 100

58 41.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035327.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035327.D (-401) (-)

2.67

3000

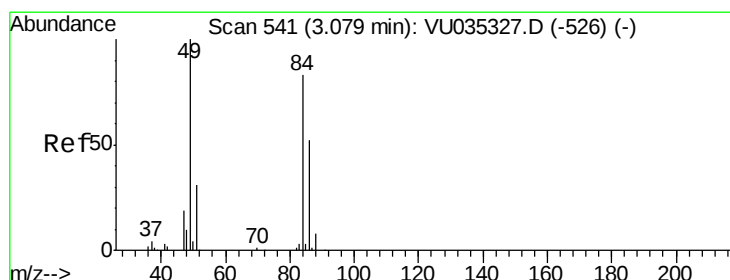
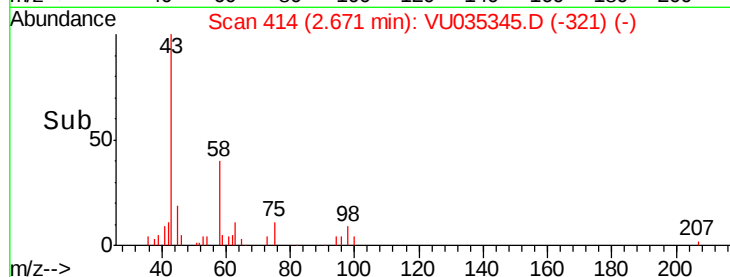
2000

1000

0

2.65 2.70

Time-->



#16

Methylene chloride

Concen: 0.101 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

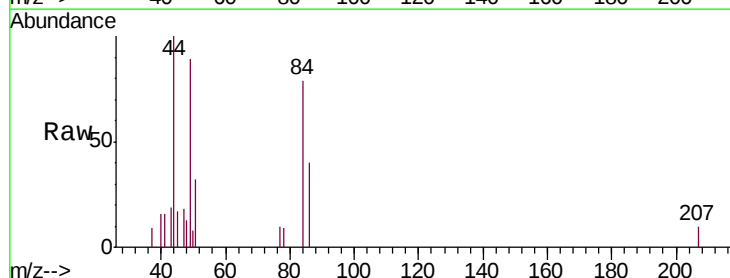
Tgt Ion: 84 Resp: 2263

Ion Ratio Lower Upper

84 100

86 50.0 45.4 84.2

49 121.7 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU035327.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035327.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035327.D (-526) (-)

3.08

2000

1500

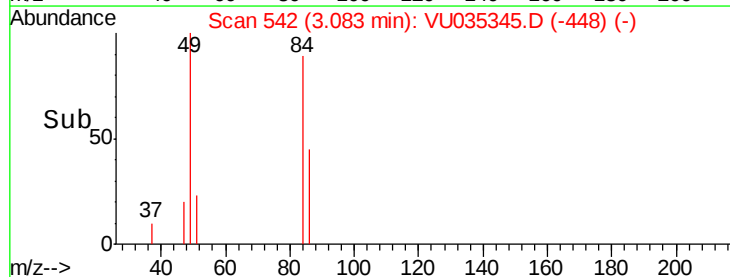
1000

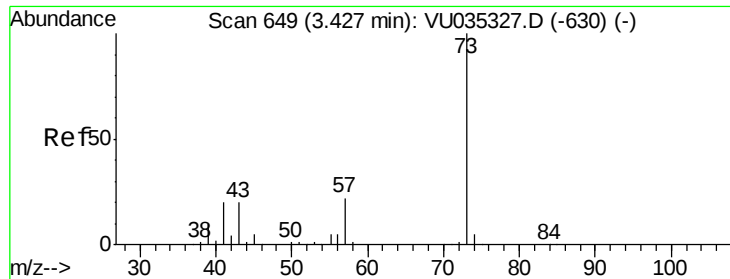
500

0

3.05 3.10

Time-->

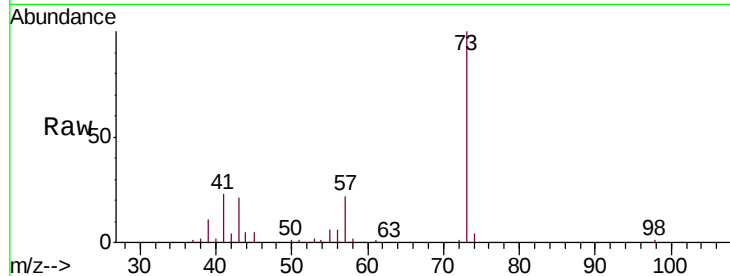




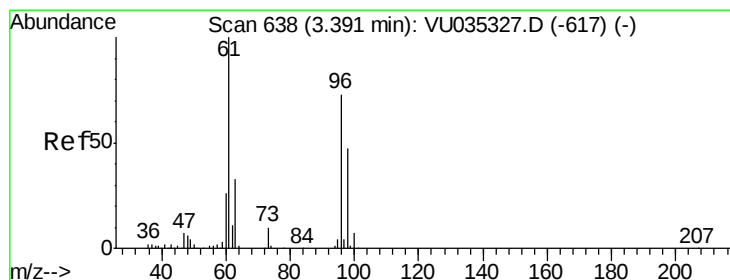
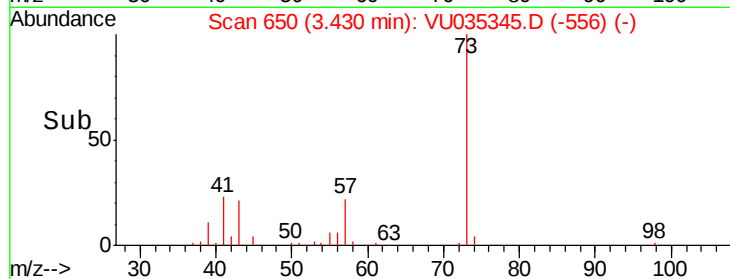
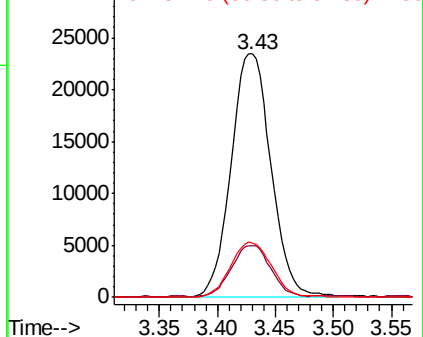
#17
Methyl tert-butyl Ether
Concen: 1.121 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035345.D
Acq: 22 Oct 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
C0K30

Tgt Ion: 73 Resp: 55975
Ion Ratio Lower Upper
73 100
43 21.4 16.0 24.0
57 23.1 17.4 26.2

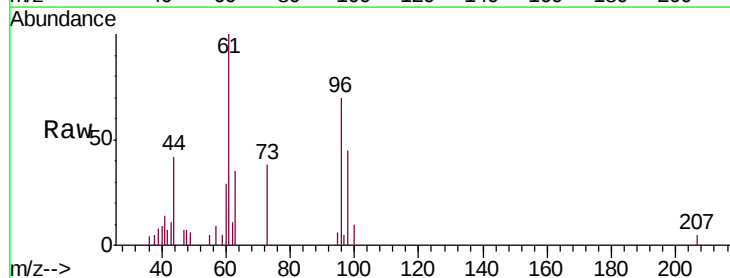


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

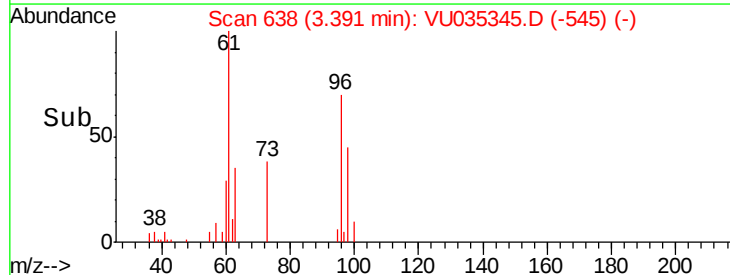
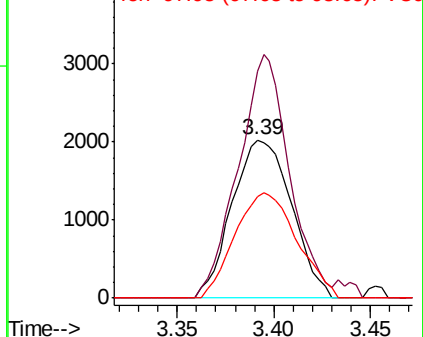


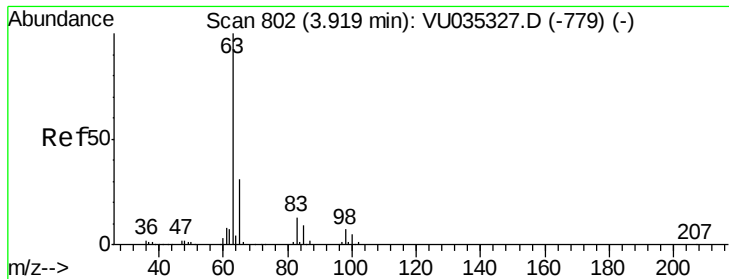
#18
trans-1,2-Dichloroethene
Concen: 0.216 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035345.D
Acq: 22 Oct 2019 01:28

Tgt Ion: 96 Resp: 4332
Ion Ratio Lower Upper
96 100
61 143.8 93.0 172.6
98 64.2 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: 0.125 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

C0K30

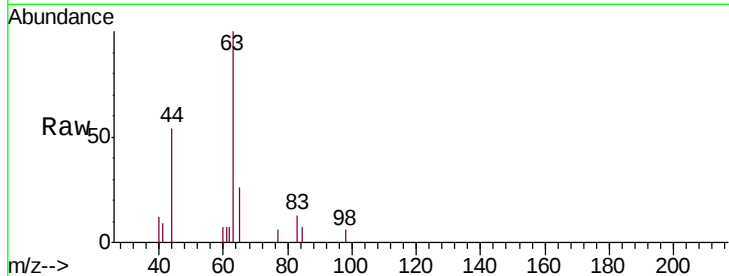
Tgt Ion: 63 Resp: 4540

Ion Ratio Lower Upper

63 100

65 25.8 22.4 41.6

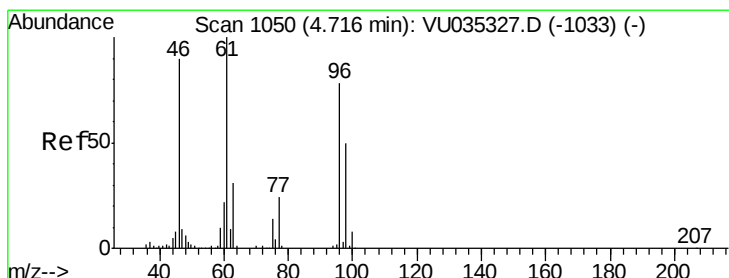
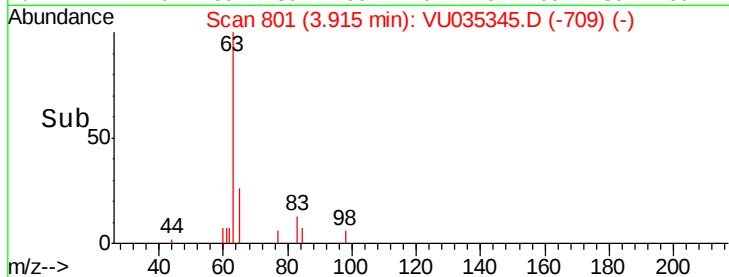
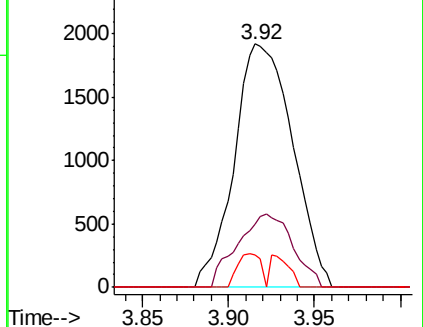
83 13.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035327.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU035327.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU035327.D (-779) (-)



#22

cis-1,2-Dichloroethene

Concen: 8.060 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

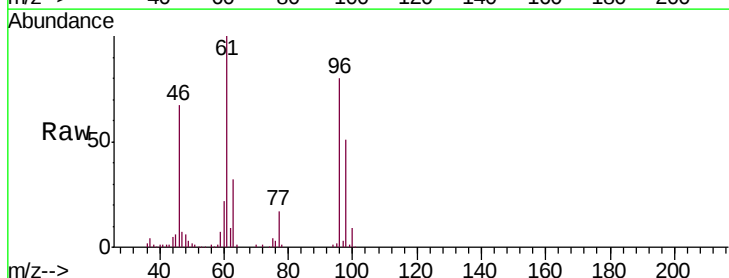
Tgt Ion: 96 Resp: 178402

Ion Ratio Lower Upper

96 100

61 125.1 89.7 166.5

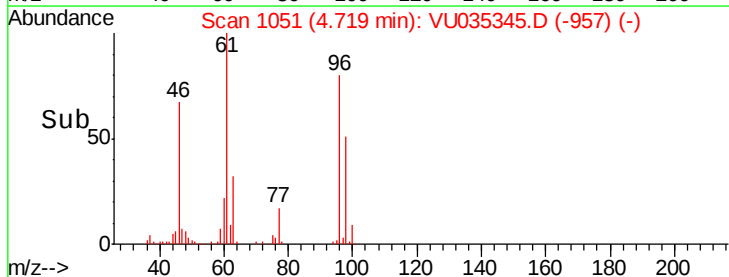
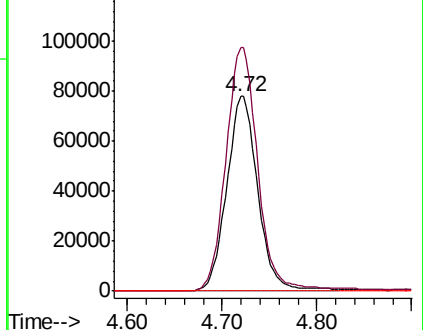
68 0.0 0.0 0.0

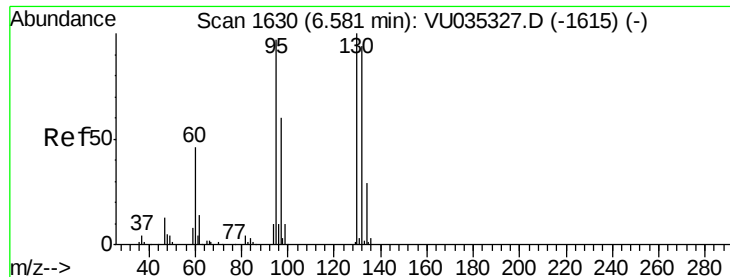


Abundance Ion 96.00 (95.70 to 96.70): VU035327.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035327.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035327.D (-1033) (-)

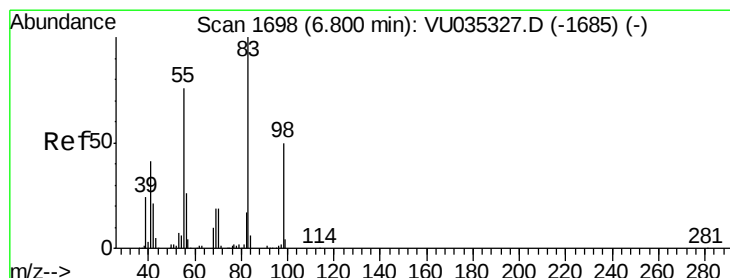
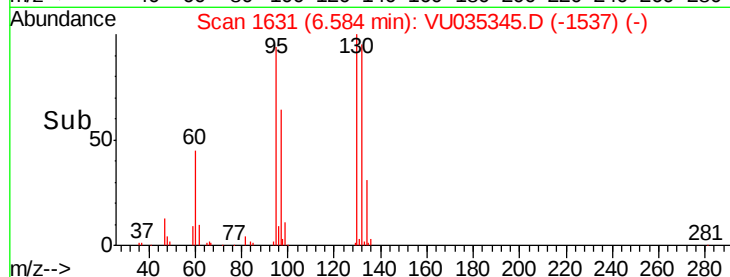
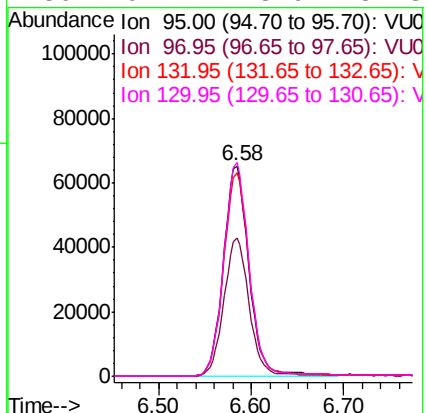
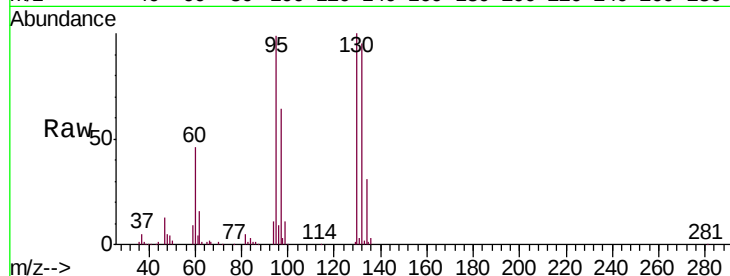




#34
 Trichloroethene
 Concen: 5.516 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035345.D
 Acq: 22 Oct 2019 01:28

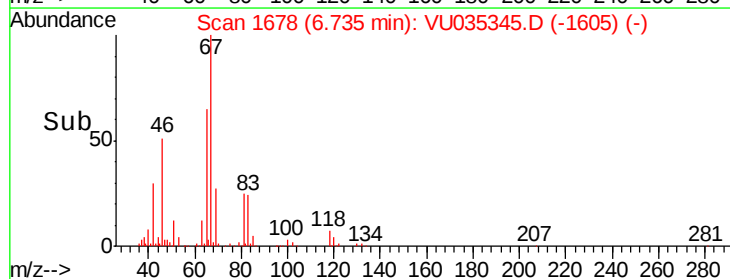
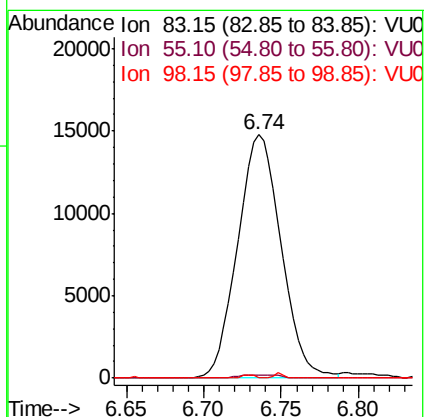
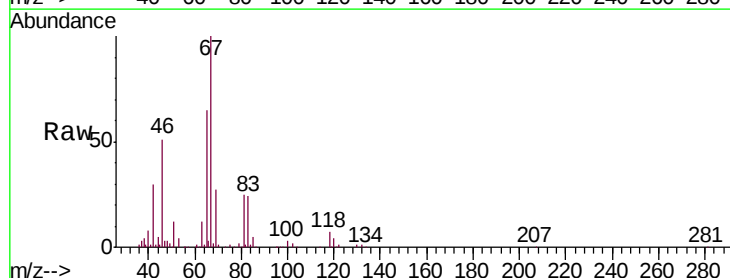
Instrument :
 MSVOA_U
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 C0K30

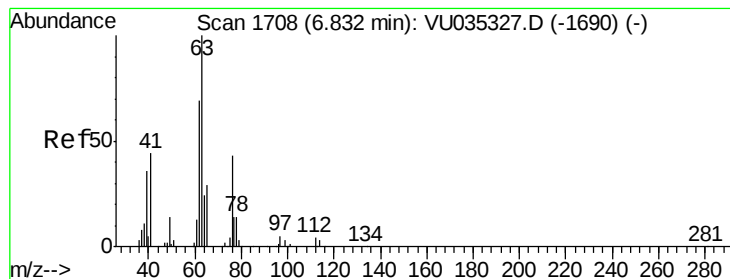
Tgt Ion:	95	Resp:	125565
Ion	Ratio	Lower	Upper
95	100		
97	65.4	46.6	86.6
132	96.6	68.7	127.7
130	101.4	73.9	137.3



#35
 Methylcyclohexane
 Concen: 0.761 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.06 min
 Lab File: VU035345.D
 Acq: 22 Oct 2019 01:28

Tgt Ion:	83	Resp:	28944
Ion	Ratio	Lower	Upper
83	100		
55	0.7	60.4	90.6#
98	0.4	39.5	59.3#





#37

1,2-Dichloropropane

Concen: 0.659 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

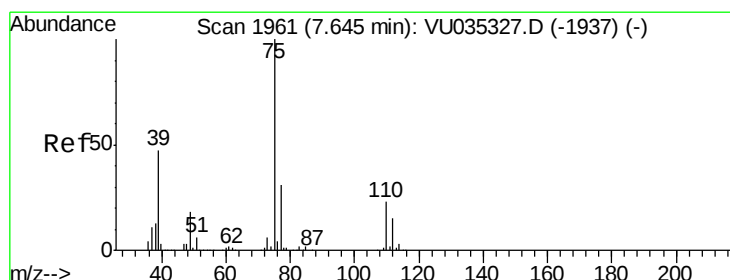
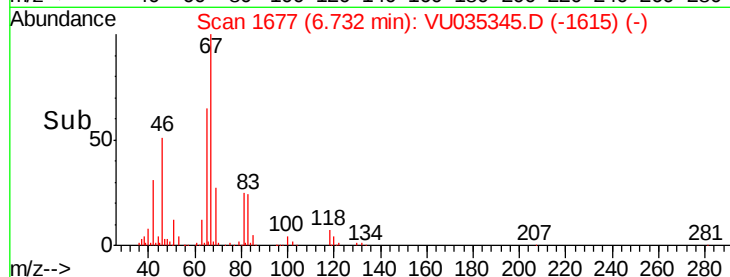
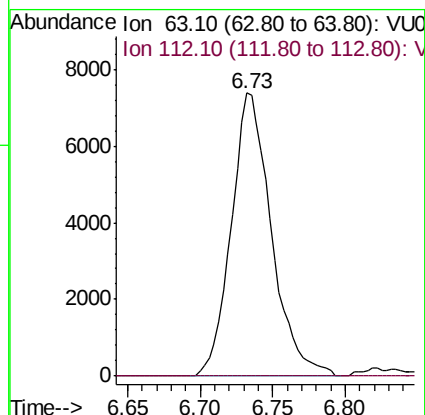
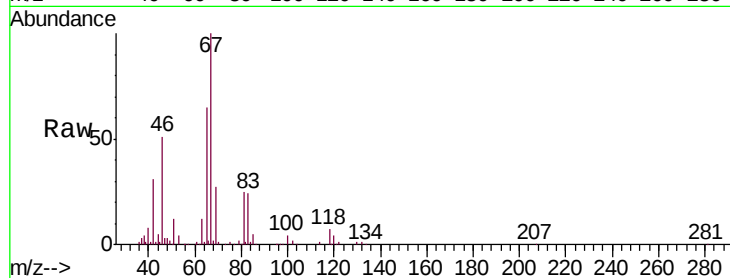
C0K30

Tgt Ion: 63 Resp: 14169

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035345.D

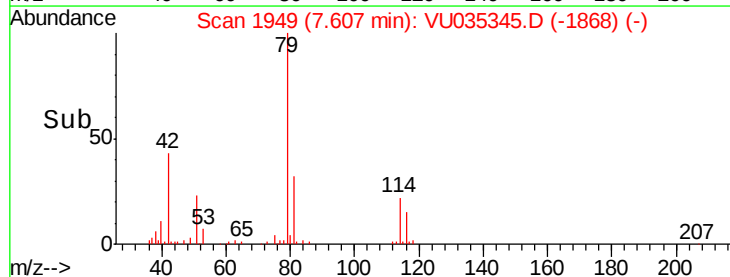
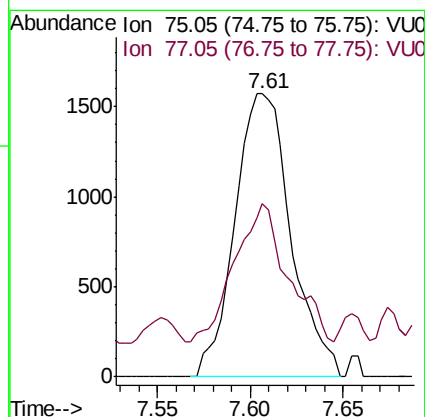
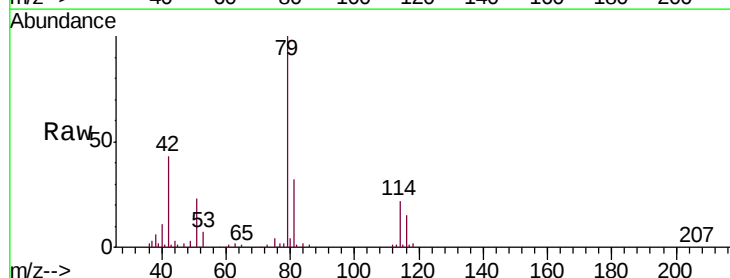
Acq: 22 Oct 2019 01:28

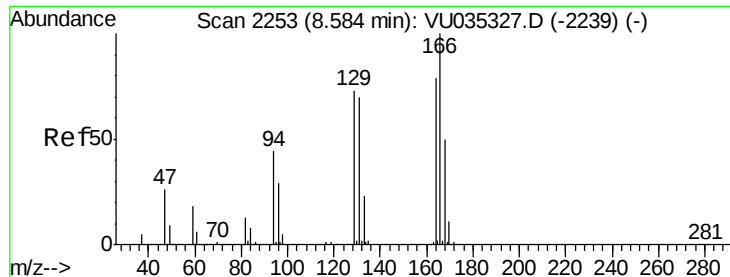
Tgt Ion: 75 Resp: 3302

Ion Ratio Lower Upper

75 100

77 61.4 22.7 42.1#

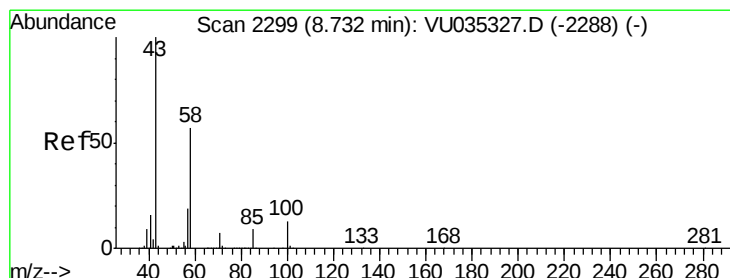
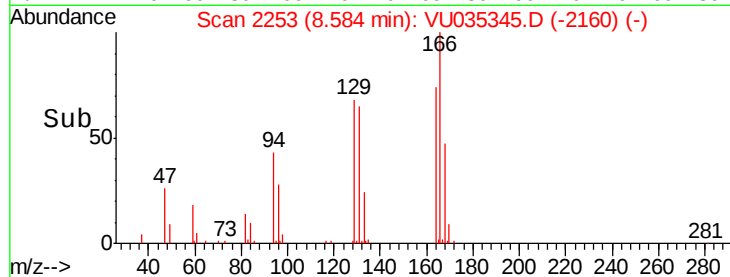
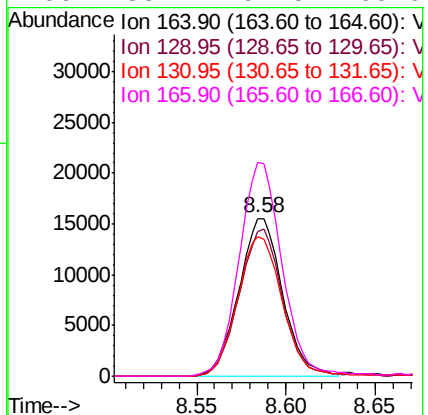
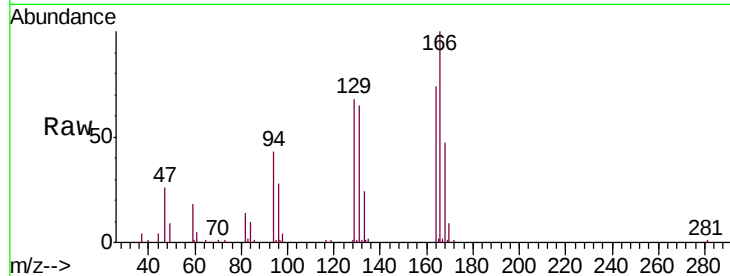




#47
Tetrachloroethene
Concen: 1.405 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035345.D
Acq: 22 Oct 2019 01:28

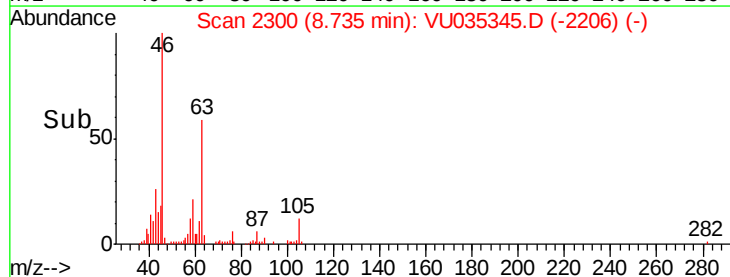
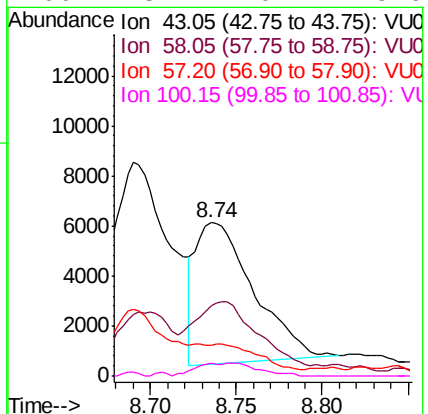
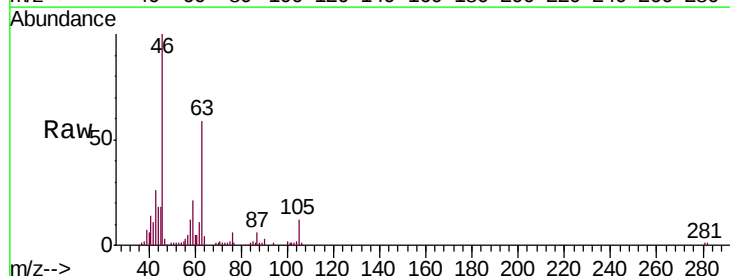
Instrument :
MSVOA_U
ClientSampleId :
C0K30

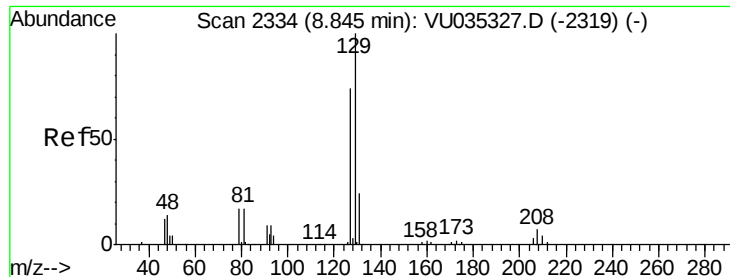
Tgt Ion:164 Resp: 26643
Ion Ratio Lower Upper
164 100
129 91.6 65.2 121.0
131 88.5 62.9 116.9
166 135.2 91.5 169.9



#48
2-Hexanone
Concen: 1.304 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035345.D
Acq: 22 Oct 2019 01:28

Tgt Ion: 43 Resp: 13266
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 0.0 16.0 24.0#
100 3.7 10.4 15.6#





#49

Dibromochloromethane

Concen: 1.171 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. -0.26 min

Lab File: VU035345.D

Acq: 22 Oct 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

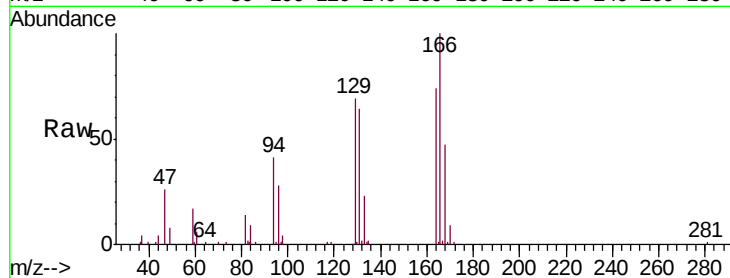
C0K30

Tgt Ion:129 Resp: 23691

Ion Ratio Lower Upper

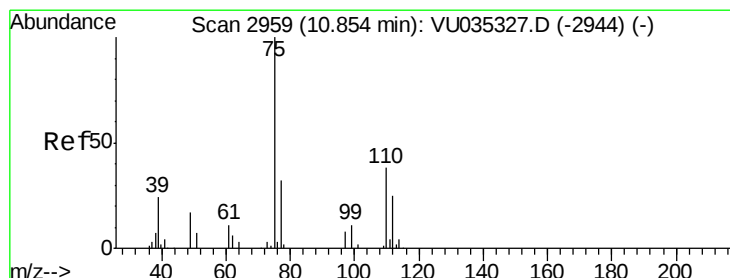
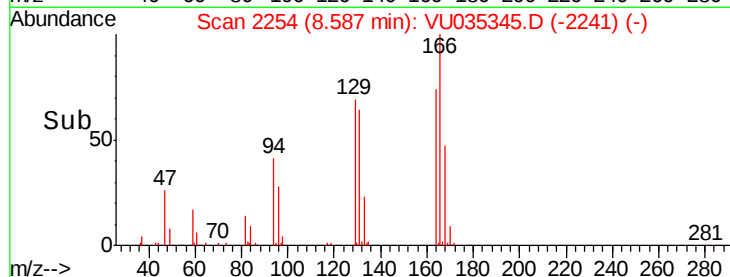
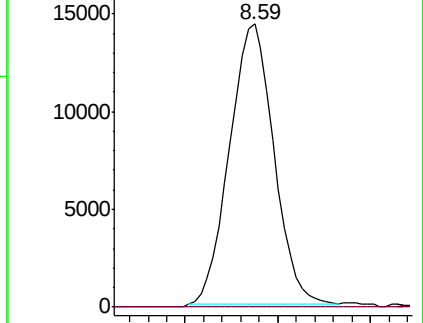
129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.889 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035345.D

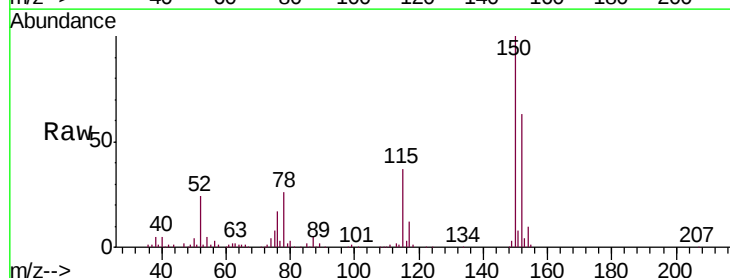
Acq: 22 Oct 2019 01:28

Tgt Ion: 75 Resp: 13310

Ion Ratio Lower Upper

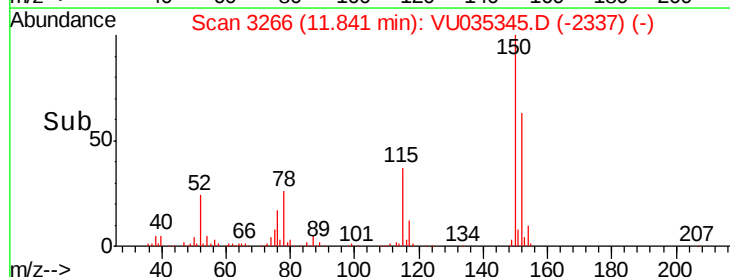
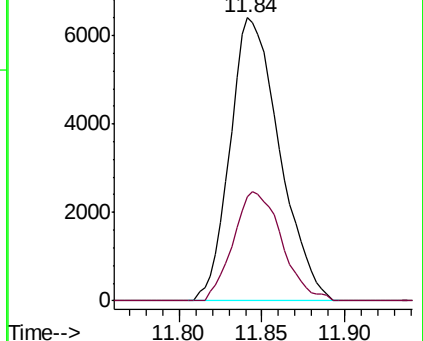
75 100

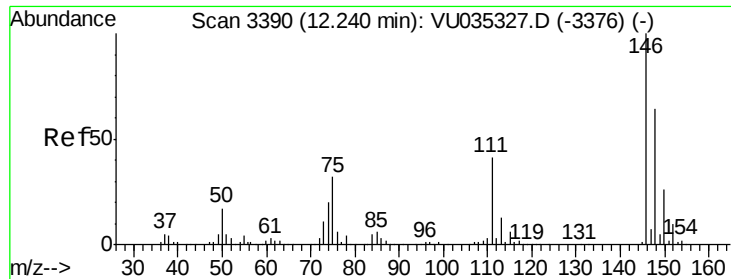
77 37.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

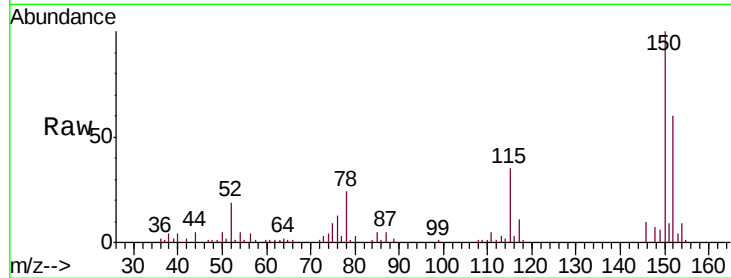




#65
 1,2-Dichlorobenzene
 Concen: 0.121 ug/L
 RT: 12.25 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VU035345.D
 Acq: 22 Oct 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	33.0	49.6
148	69.6	51.0	76.4



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

