

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051519\
 Data File : VU032020.D
 Acq On : 15 May 2019 10:39
 Operator : JC/SP
 Sample : K2738-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8A1

Quant Time: May 16 05:08:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 16 04:24:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1023698	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	999255	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	461132	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	350478	39.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.02%
7) Chloroethane-d5	1.67	69	296894	40.82	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.64%
11) 1,1-Dichloroethene-d2	2.27	63	495202	30.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.50%
21) 2-Butanone-d5	4.17	46	681090	108.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.28%
24) Chloroform-d	4.64	84	622411	41.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.78%
26) 1,2-Dichloroethane-d4	5.30	65	401154	42.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.72%
32) Benzene-d6	5.34	84	1328667	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
36) 1,2-Dichloropropane-d6	6.32	67	438688	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.92%
41) Toluene-d8	7.56	98	1132536	43.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.85	79	179174	42.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.10%
47) 2-Hexanone-d5	8.31	63	451042	116.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.53%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	647597	45.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.68%
64) 1,2-Dichlorobenzene-d4	11.85	152	446736	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%

Target Compounds

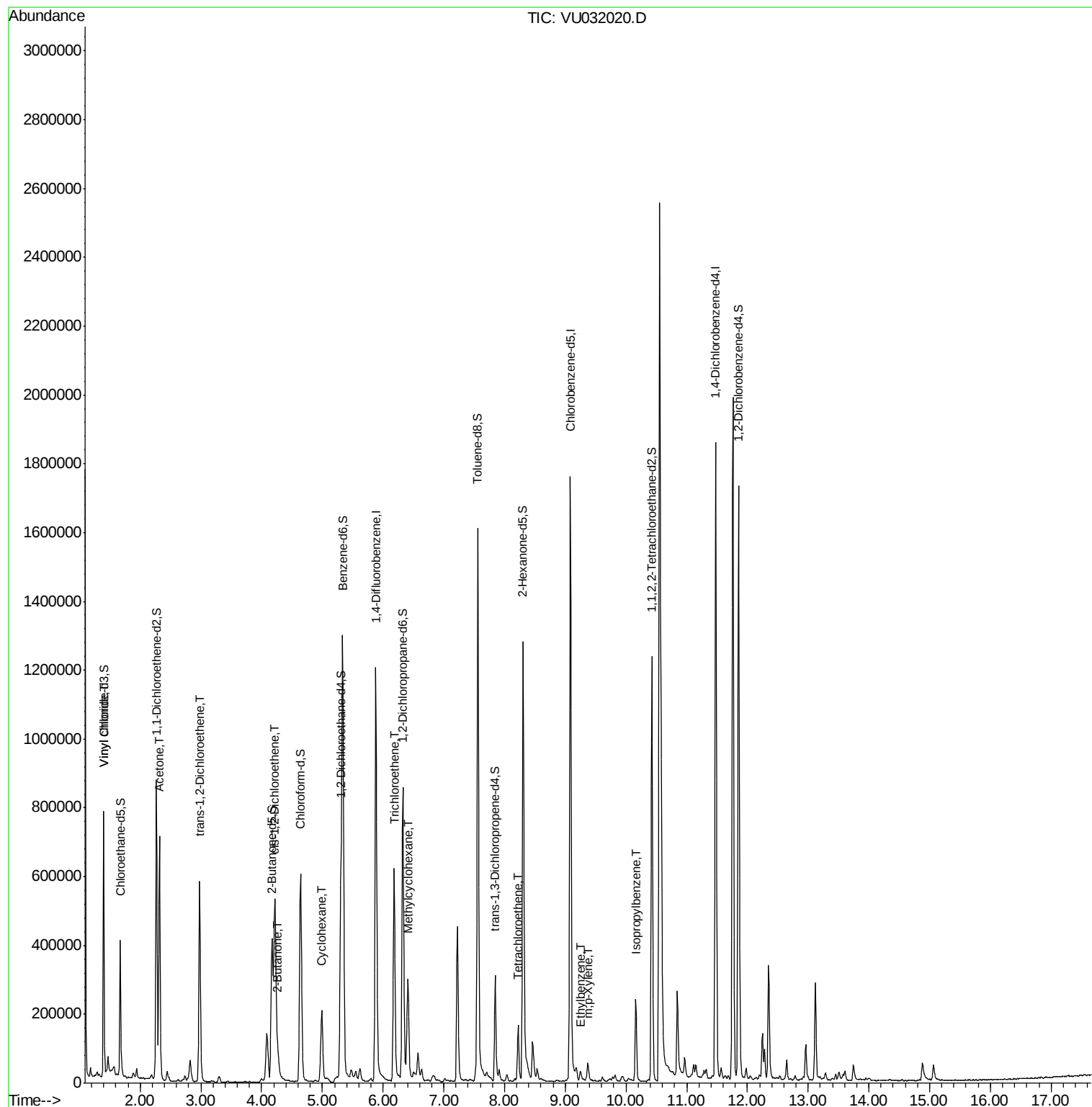
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	168109	15.246	ug/L	94
13) Acetone	2.32	43	714026	110.413	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	229427	29.171	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	282473	32.470	ug/L	99
22) 2-Butanone	4.27	43	122212	16.384	ug/L	95
29) Cyclohexane	4.99	56	106601	8.703	ug/L	98
34) Trichloroethene	6.18	95	229482	28.310	ug/L	98
35) Methylcyclohexane	6.41	83	120062	9.659	ug/L	96
46) Tetrachloroethene	8.22	164	37832	6.610	ug/L	96
52) Ethylbenzene	9.25	91	20641	0.574	ug/L	87
53) m,p-Xylene	9.38	106	14889	1.135	ug/L	99
56) Isopropylbenzene	10.16	105	152308	4.590	ug/L	97

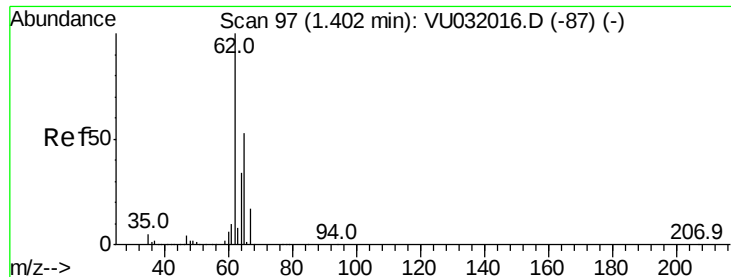
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 15.246 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

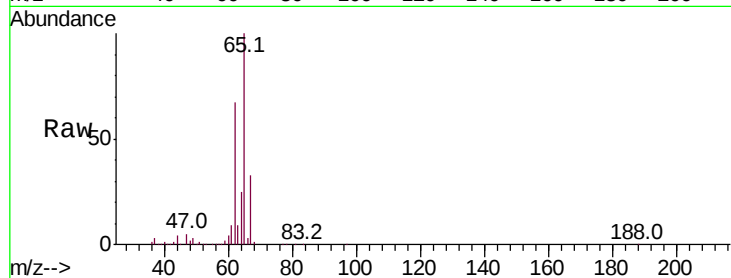
DB8A1

Tot Ion: 62 Resp: 168109

Ion Ratio Lower Upper

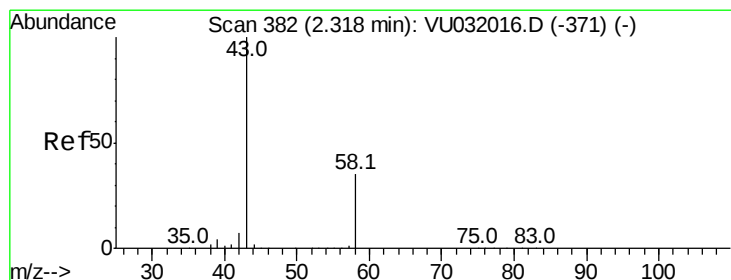
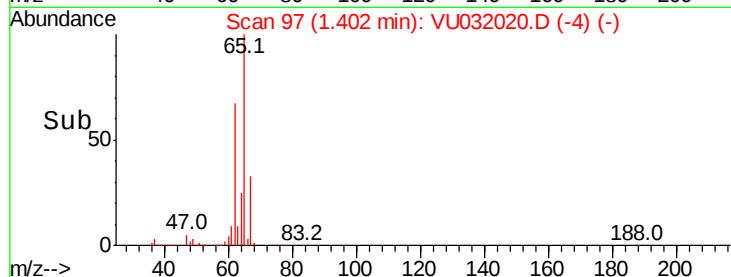
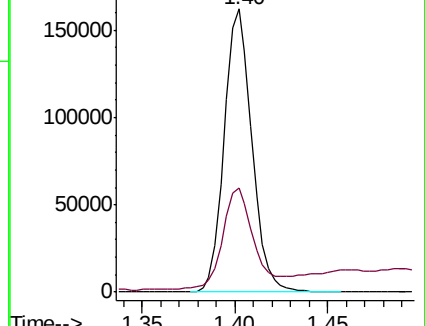
62 100

64 36.9 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU032020.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU032020.D (-87) (-)



#13

Acetone

Concen: 110.413 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032020.D

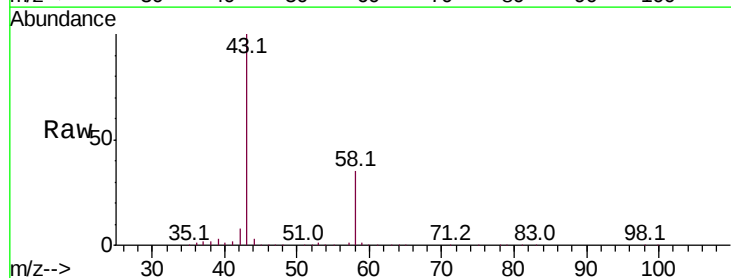
Acq: 15 May 2019 10:39

Tgt Ion: 43 Resp: 714026

Ion Ratio Lower Upper

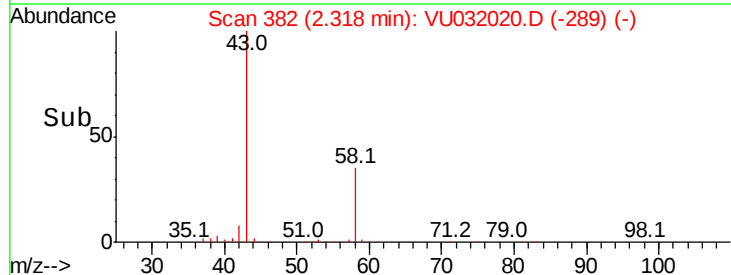
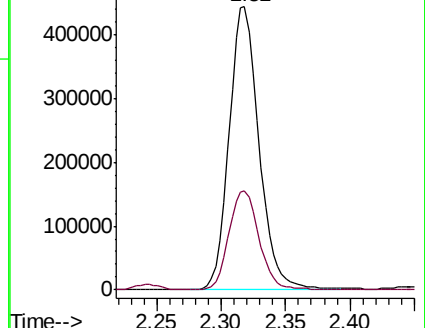
43 100

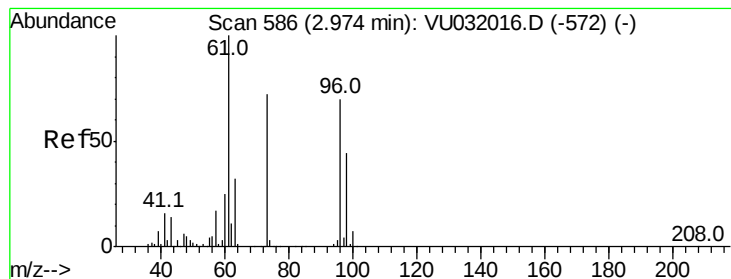
58 35.4 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VU032020.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU032020.D (-289) (-)





#17

trans-1,2-Dichloroethene

Concen: 29.171 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

DB8A1

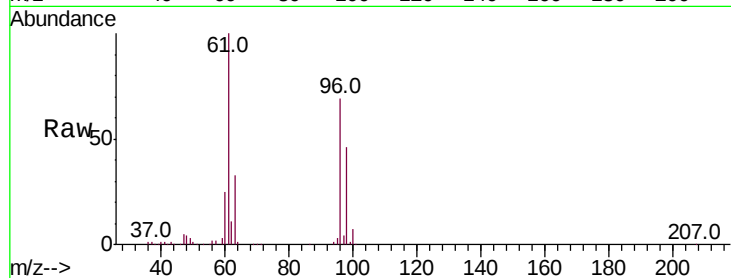
Tot Ion: 96 Resp: 229427

Ion Ratio Lower Upper

96 100

61 145.3 103.2 191.6

98 67.2 45.7 84.9

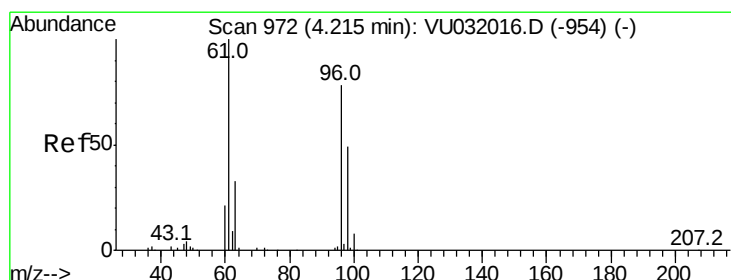
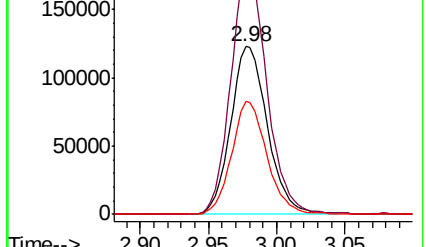
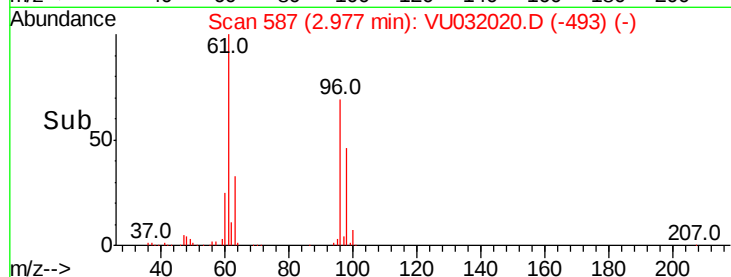


Abundance Ion 96.00 (95.70 to 96.70): VU032016.D (-572) (-)

Ion 61.00 (60.70 to 61.70): VU032016.D (-572) (-)

Ion 98.00 (97.70 to 98.70): VU032016.D (-572) (-)

2.98



#20

cis-1,2-Dichloroethene

Concen: 32.470 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

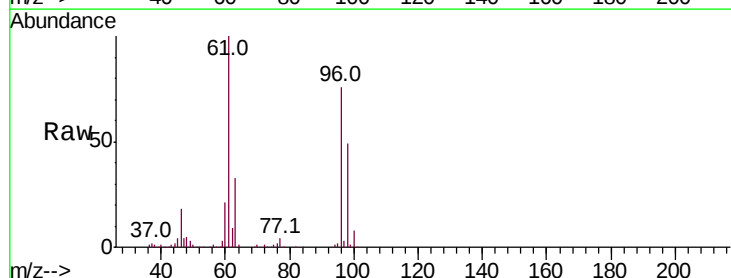
Tgt Ion: 96 Resp: 282473

Ion Ratio Lower Upper

96 100

61 131.8 93.0 172.8

68 0.0 0.0 0.0

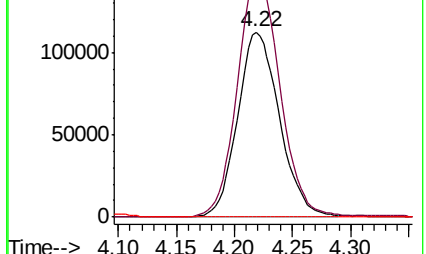
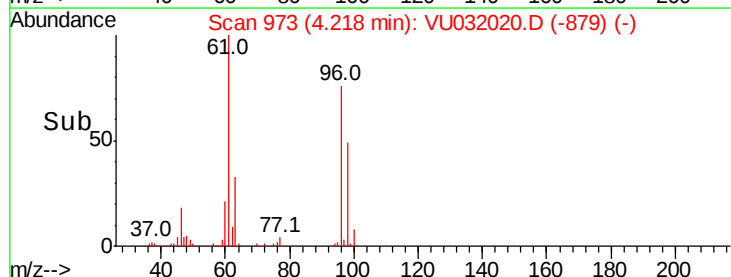


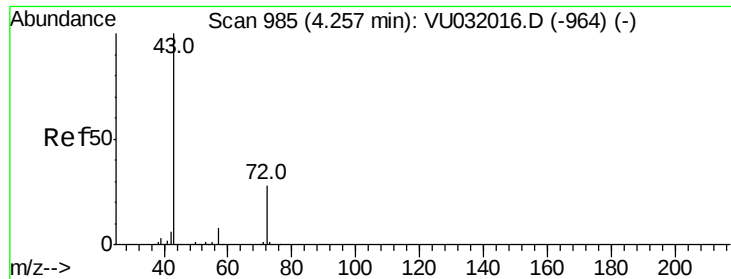
Abundance Ion 96.00 (95.70 to 96.70): VU032016.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU032016.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU032016.D (-954) (-)

4.22





#22

2-Butanone

Concen: 16.384 ug/L

RT: 4.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

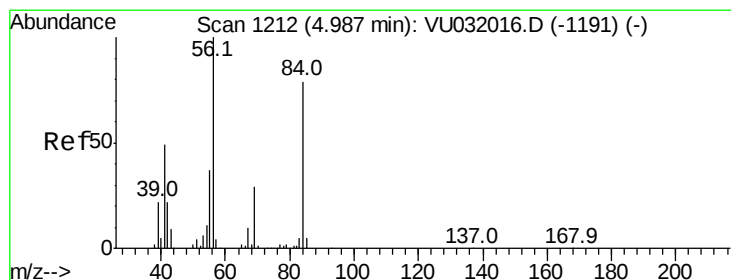
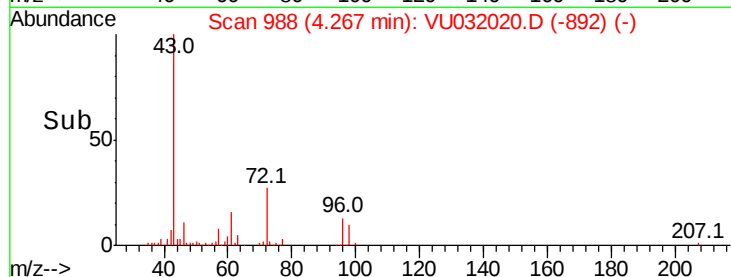
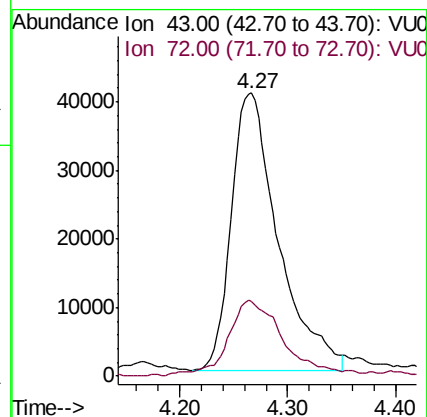
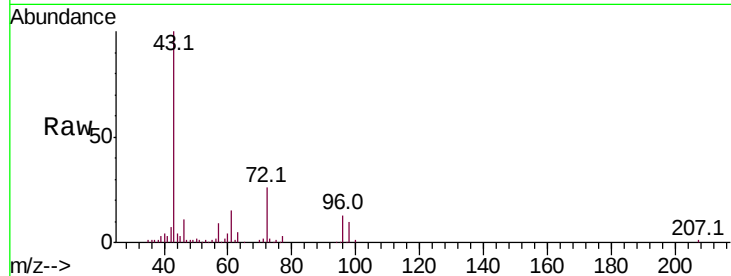
DB8A1

Tot Ion: 43 Resp: 122212

Ion Ratio Lower Upper

43 100

72 30.7 13.9 41.7



#29

Cyclohexane

Concen: 8.703 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

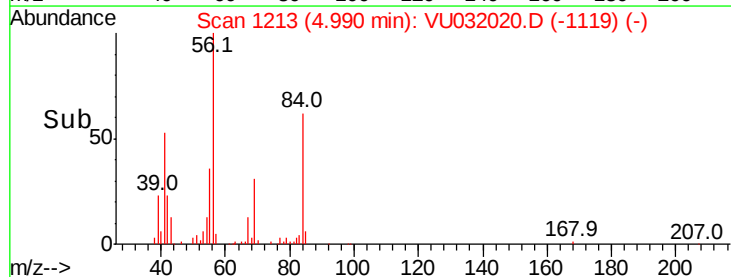
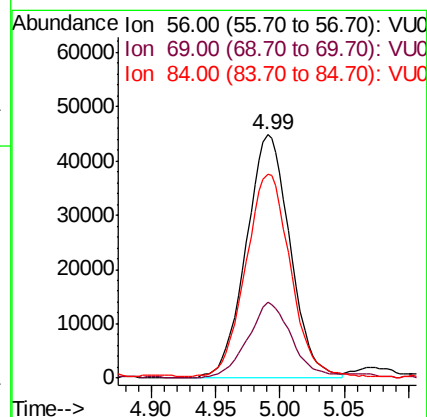
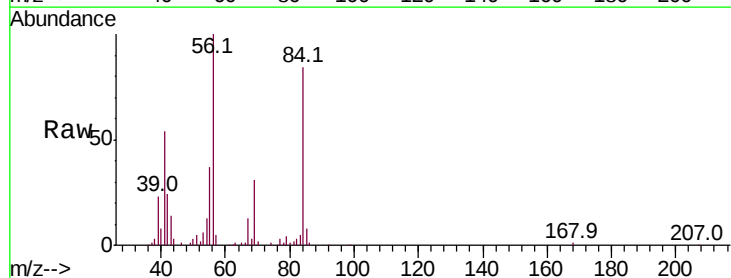
Tgt Ion: 56 Resp: 106601

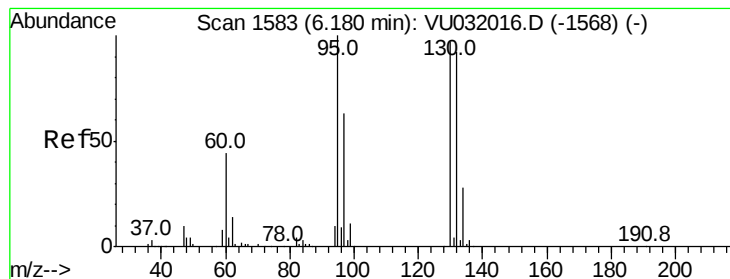
Ion Ratio Lower Upper

56 100

69 31.1 24.8 37.2

84 84.0 65.5 98.3





#34

Trichloroethene

Concen: 28.310 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

DB8A1

Tot Ion: 95 Resp: 229482

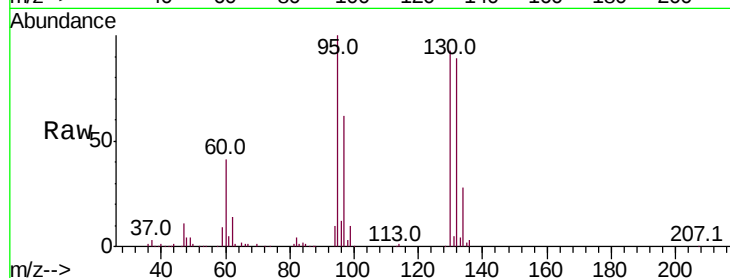
Ion Ratio Lower Upper

95 100

97 62.0 44.9 83.3

132 89.2 63.5 117.9

130 93.0 66.2 123.0

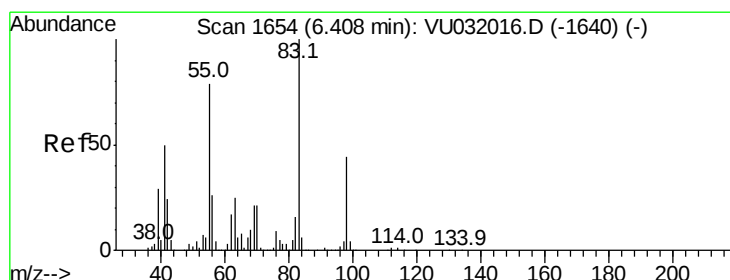
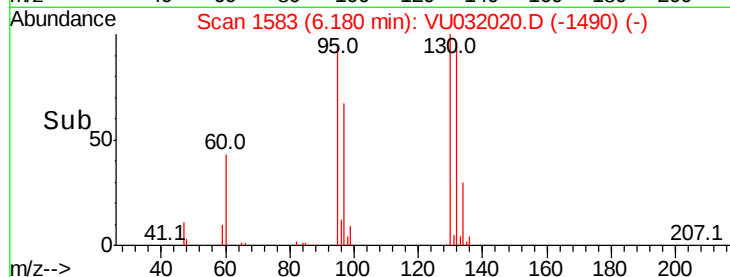
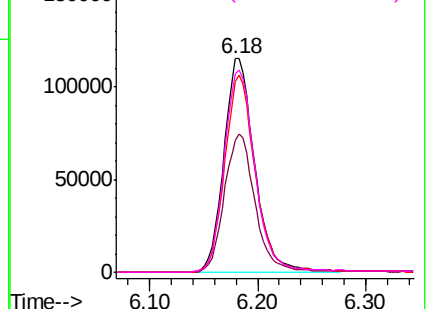


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 9.659 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

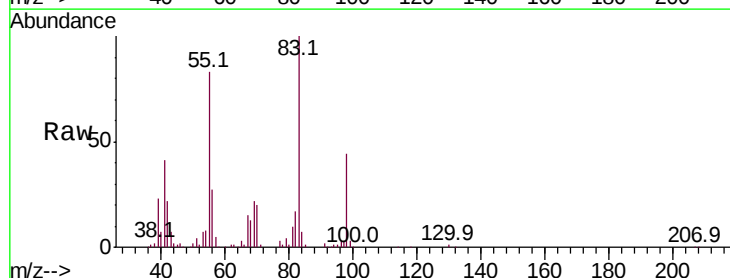
Tgt Ion: 83 Resp: 120062

Ion Ratio Lower Upper

83 100

55 85.6 64.0 96.0

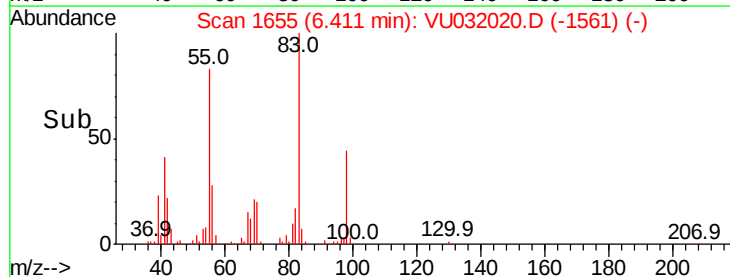
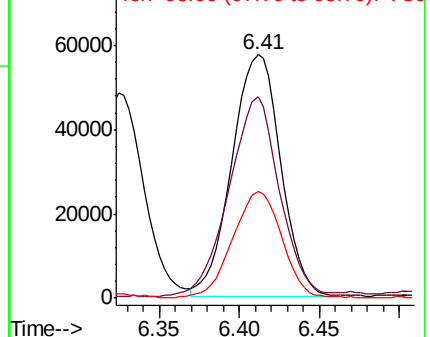
98 44.1 35.6 53.4

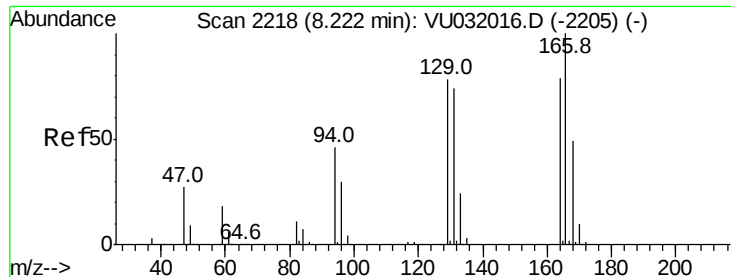


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

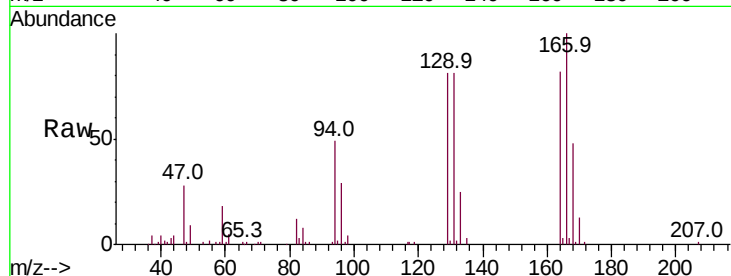




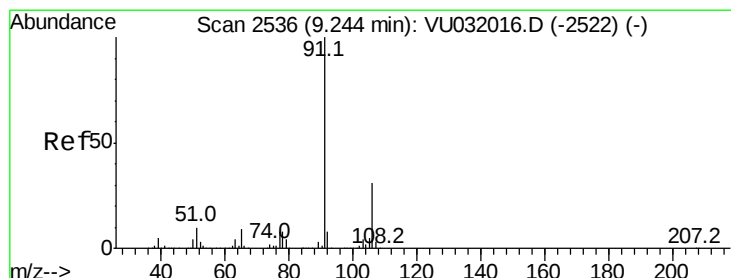
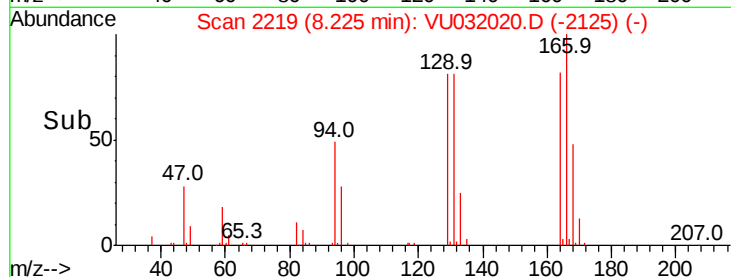
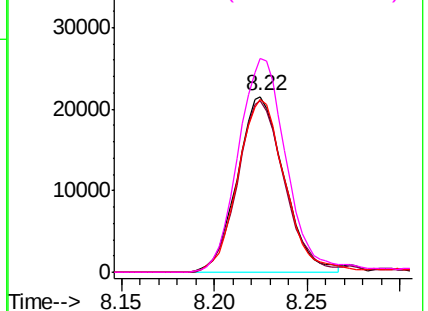
#46
Tetrachloroethene
Concen: 6.610 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument :
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Tot Ion:164 Resp: 37832
Ion Ratio Lower Upper
164 100
129 97.7 70.9 131.7
131 98.1 67.4 125.2
166 121.4 90.2 167.4

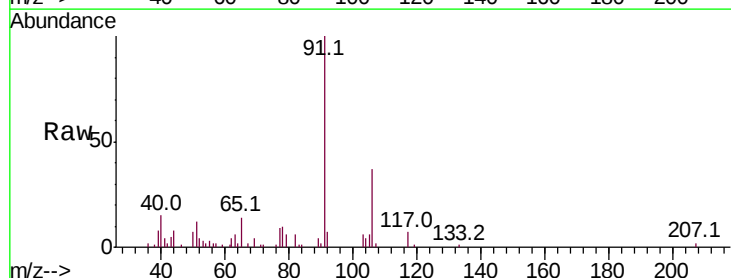


Abundance Ion 164.00 (163.70 to 164.70): V
40000 Ion 129.00 (128.70 to 129.70): V
30000 Ion 131.00 (130.70 to 131.70): V
20000 Ion 166.00 (165.70 to 166.70): V
10000

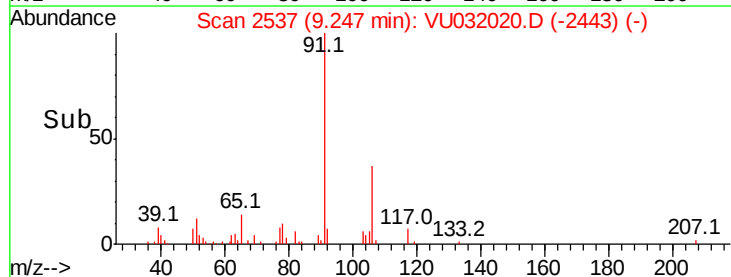
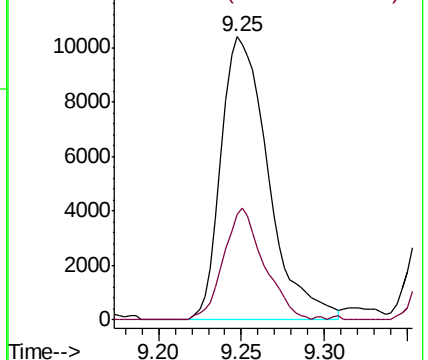


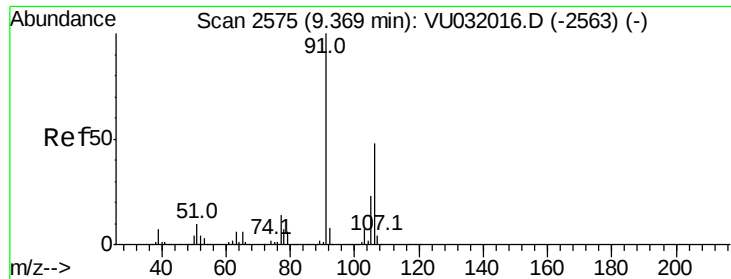
#52
Ethylbenzene
Concen: 0.574 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion: 91 Resp: 20641
Ion Ratio Lower Upper
91 100
106 37.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
12000 Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.135 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

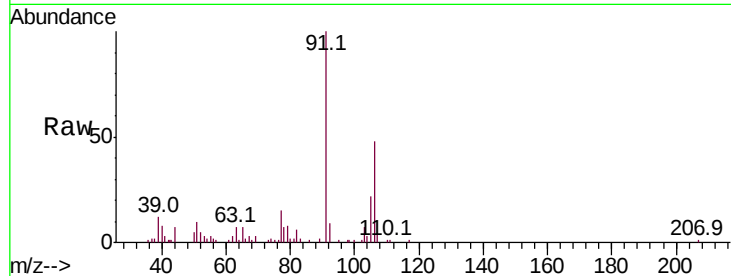
DB8A1

Tot Ion:106 Resp: 14889

Ion Ratio Lower Upper

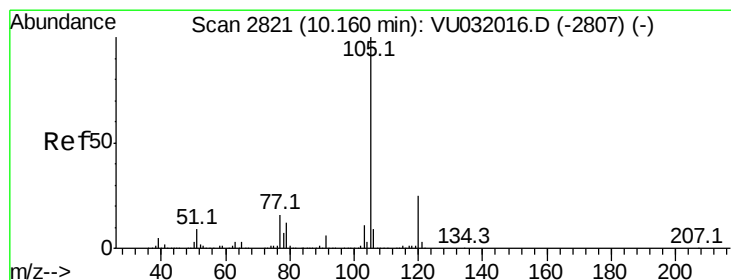
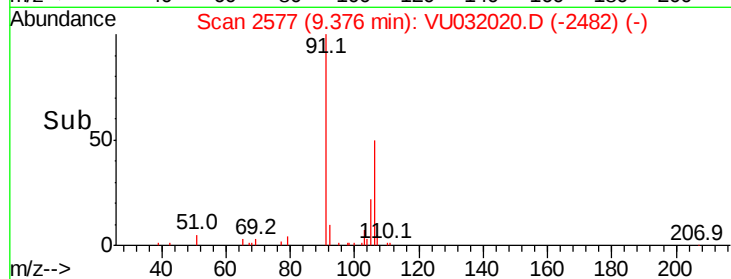
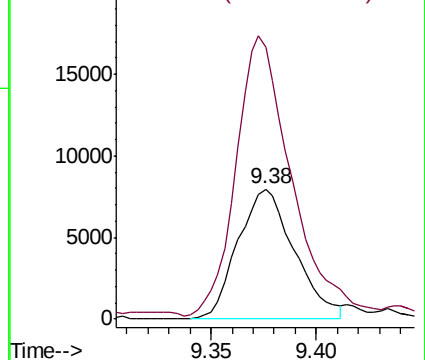
106 100

91 208.1 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 4.590 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032020.D

Acq: 15 May 2019 10:39

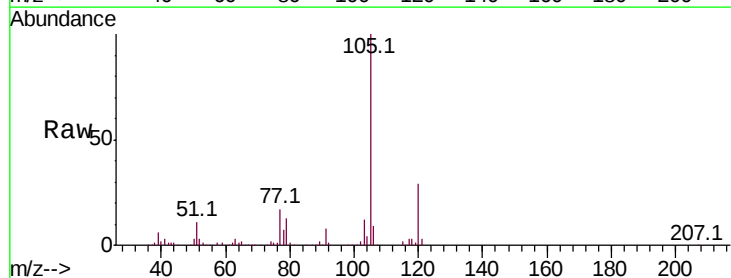
Tgt Ion:105 Resp: 152308

Ion Ratio Lower Upper

105 100

120 27.8 20.5 30.7

77 16.5 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

