

Data File : VU030494.D
Acq On : 27 Mar 2019 19:31
Operator : JC/SP
Sample : K2063-14DL 4X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6S1DL

Quant Time: Mar 28 02:49:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 02:45:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	432464	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	417847	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	171071	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	159130	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.44%
7) Chloroethane-d5	1.68	69	134566	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.56%
11) 1,1-Dichloroethene-d2	2.27	63	230834	34.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.92%
21) 2-Butanone-d5	4.17	46	314382	96.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.09%
24) Chloroform-d	4.64	84	295774	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	5.31	65	199602	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.74%
32) Benzene-d6	5.34	84	589814	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
36) 1,2-Dichloropropane-d6	6.33	67	212636	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.74%
41) Toluene-d8	7.56	98	505416	46.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.92%
43) trans-1,3-Dichloropropene-	7.85	79	92228	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
47) 2-Hexanone-d5	8.31	63	204321	91.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	288219	49.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	175151	51.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1906	0.604	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1709	0.552	ug/L #	1
13) Acetone	2.32	43	7212	2.180	ug/L	88
25) Chloroform	4.67	83	42519	6.715	ug/L	94
27) 1,2-Dichloroethane	5.40	62	2711	0.546	ug/L #	75
29) Cyclohexane	4.99	56	12547	1.984	ug/L	95
33) Benzene	5.39	78	364563	25.630	ug/L	100
35) Methylcyclohexane	6.41	83	10204	1.773	ug/L #	77
38) Bromodichloromethane	6.76	83	6129	1.278	ug/L	96
39) cis-1,3-Dichloropropene	7.22	75	5336	0.920	ug/L #	72
42) Toluene	7.63	91	800931	54.256	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3833	0.751	ug/L	85
48) 2-Hexanone	8.36	43	7959	1.432	ug/L #	69
52) Ethylbenzene	9.25	91	154529	9.663	ug/L	98
53) m,p-Xylene	9.37	106	147245	25.501	ug/L	99
54) o-xylene	9.78	106	68169	12.100	ug/L	95
55) Styrene	9.78	104	4176	0.430	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\
Quantitation Report (Not Reviewed)

Data File : VU030494.D
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Quant Title : VOC Analysis
QLast Update : Thu Mar 28 02:45:06 2019
Response via : Initial Calibration

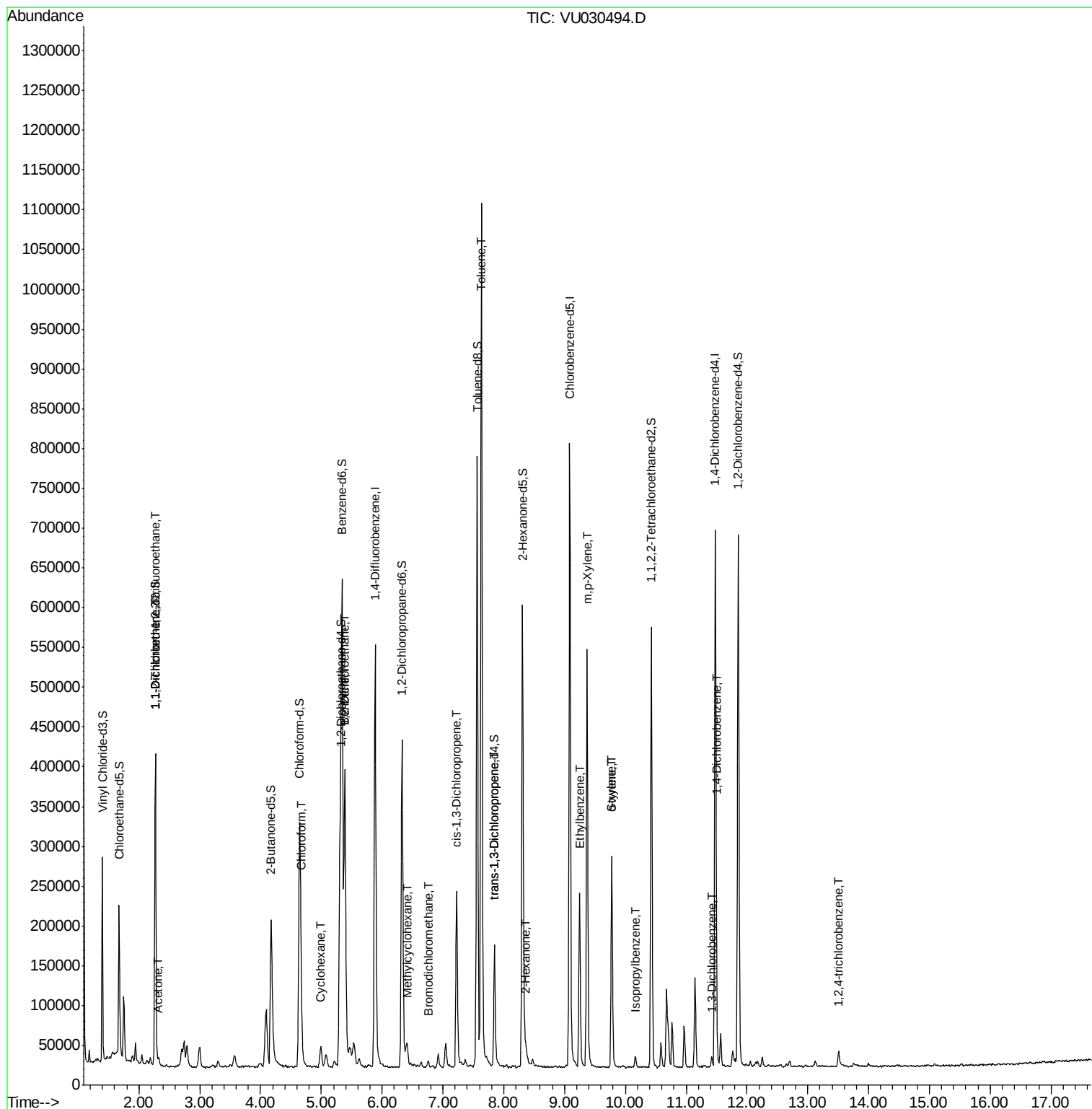
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.17	105	8845	0.593	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	3153	0.564	ug/L	87
63) 1,4-Dichlorobenzene	11.50	146	5866	1.019	ug/L	84
68) 1,2,4-trichlorobenzene	13.51	180	7229	1.987	ug/L #	81

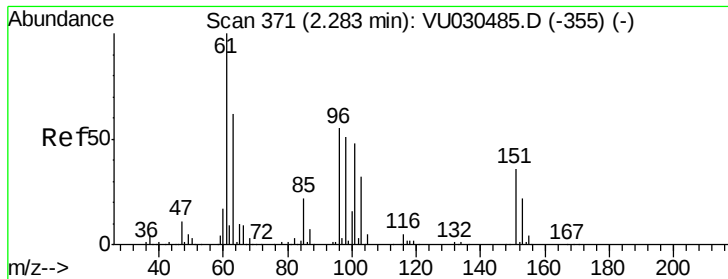
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.604 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

DB6S1DL

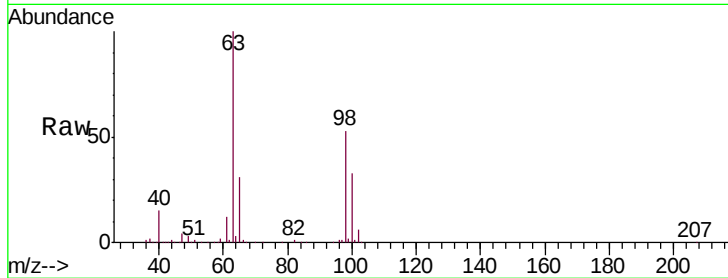
Tgt Ion: 101 Resp: 1906

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

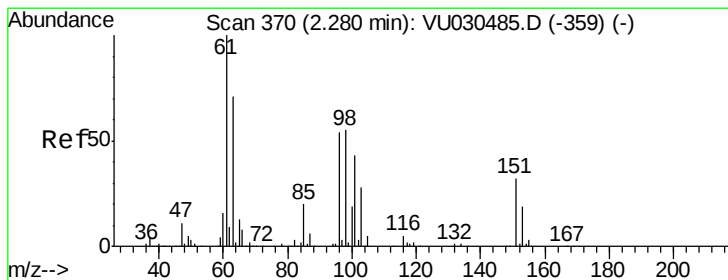
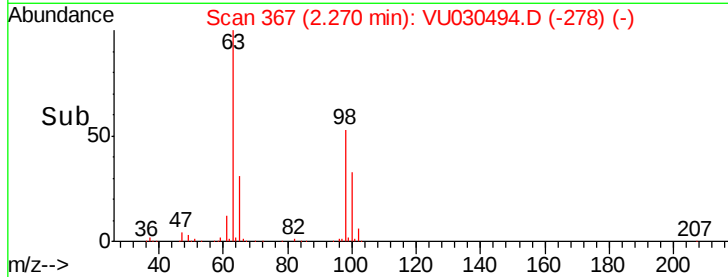
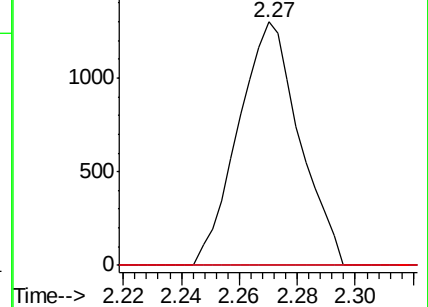
151 0.0 56.6 85.0#



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: 0.552 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

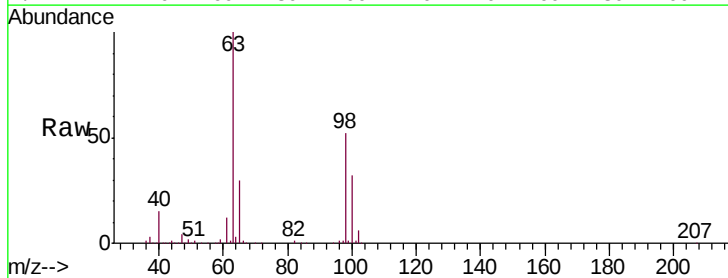
Tgt Ion: 96 Resp: 1709

Ion Ratio Lower Upper

96 100

61 1709.2 131.0 243.4#

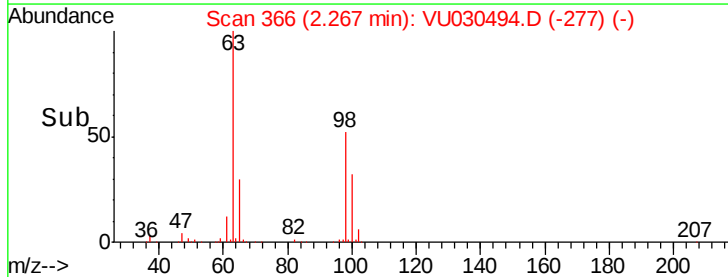
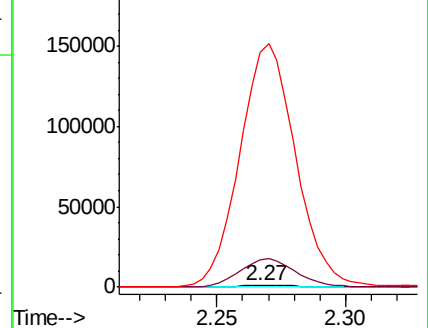
63 14527.5 92.4 171.6#

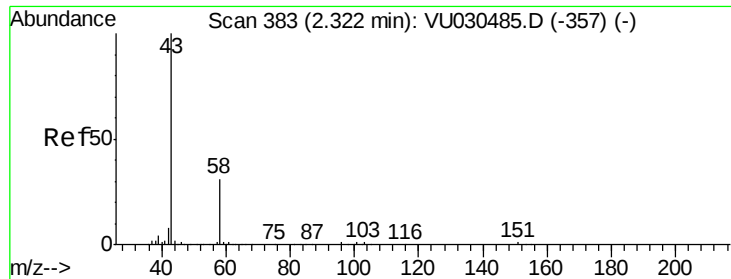


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.180 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

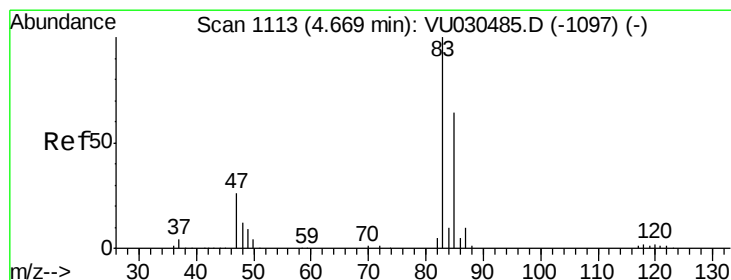
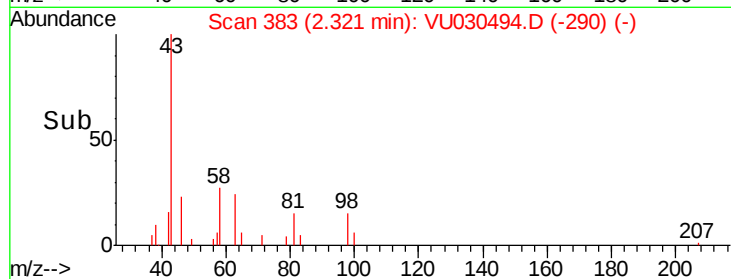
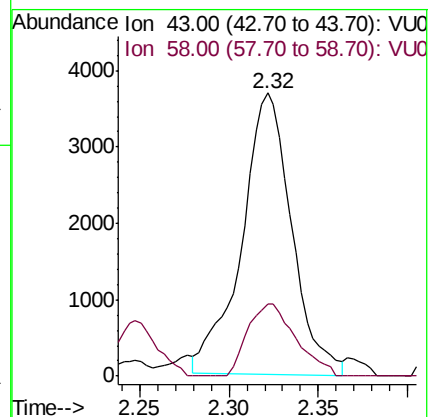
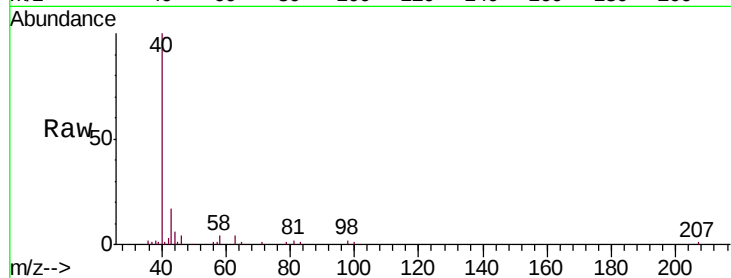
DB6S1DL

Tgt Ion: 43 Resp: 7212

Ion Ratio Lower Upper

43 100

58 24.6 0.0 62.8



#25

Chloroform

Concen: 6.715 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030494.D

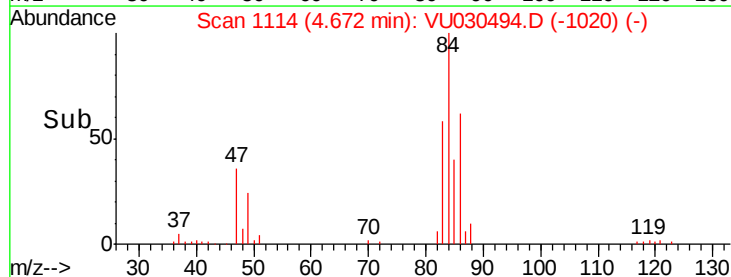
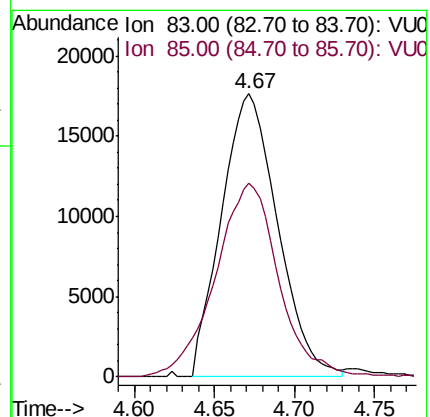
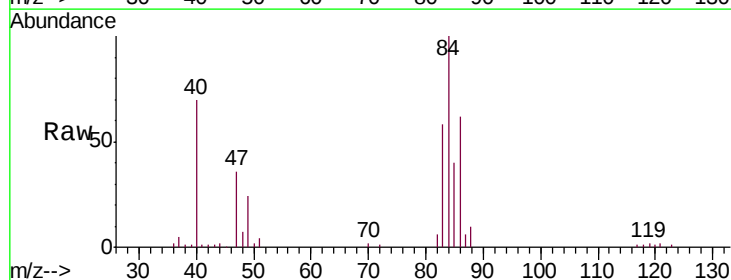
Acq: 27 Mar 2019 19:31

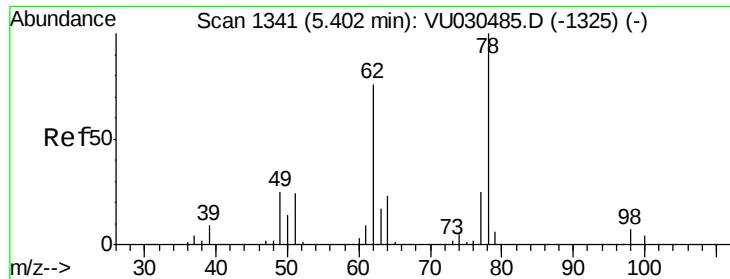
Tgt Ion: 83 Resp: 42519

Ion Ratio Lower Upper

83 100

85 68.3 44.4 82.4

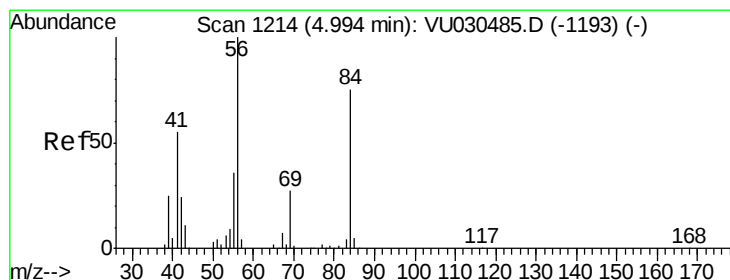
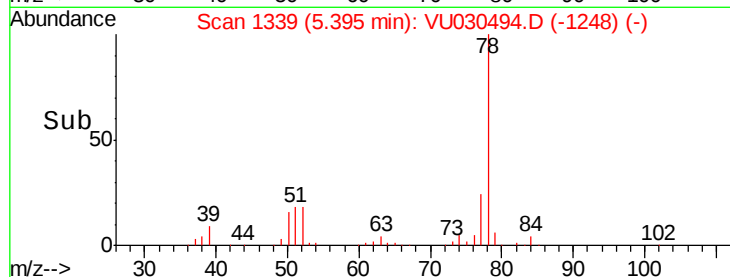
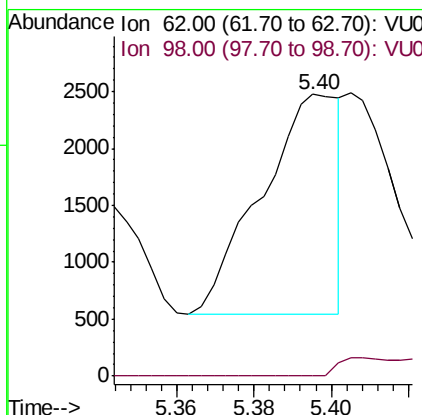
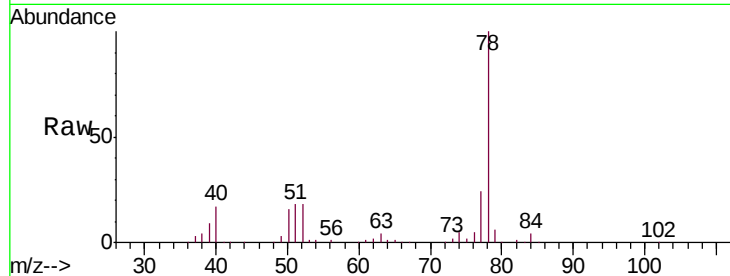




#27
 1,2-Dichloroethane
 Concen: 0.546 ug/L
 RT: 5.40 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VU030494.D
 Acq: 27 Mar 2019 19:31

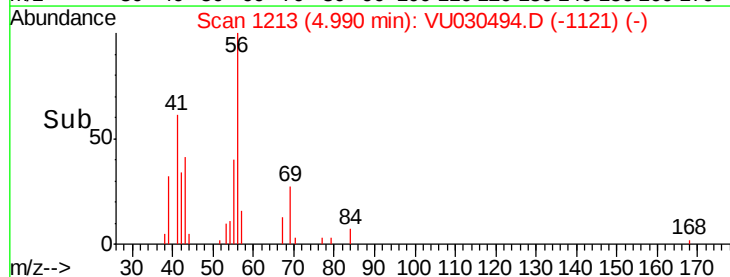
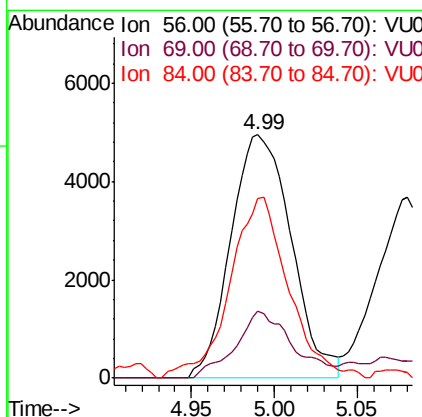
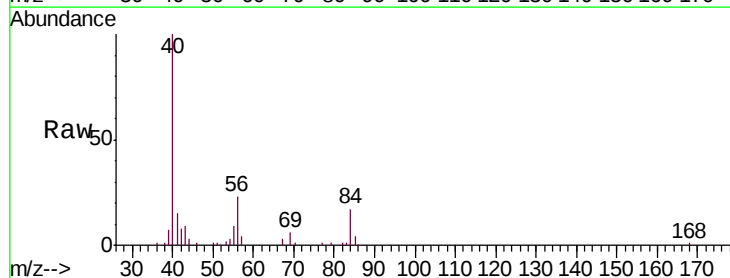
Instrument :
 MSVOA_U
 ClientSampleId :
 DB6S1DL

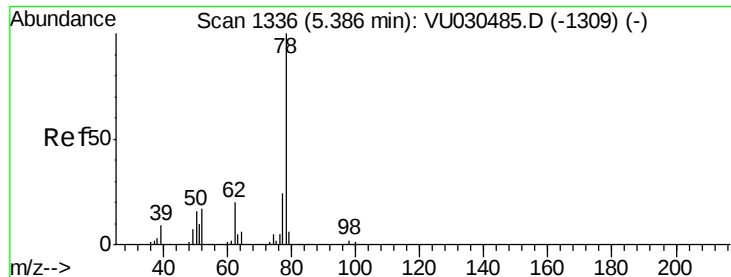
Tgt Ion: 62 Resp: 2711
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#29
 Cyclohexane
 Concen: 1.984 ug/L
 RT: 4.99 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VU030494.D
 Acq: 27 Mar 2019 19:31

Tgt Ion: 56 Resp: 12547
 Ion Ratio Lower Upper
 56 100
 69 23.4 22.9 34.3
 84 71.3 58.9 88.3

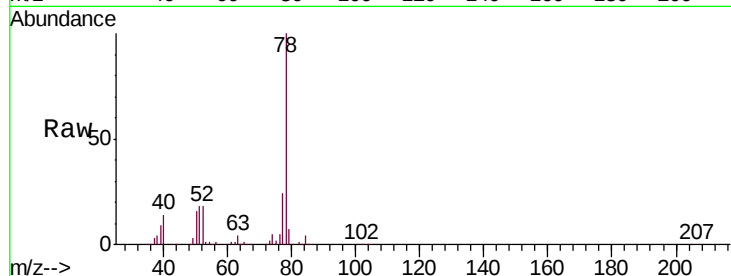




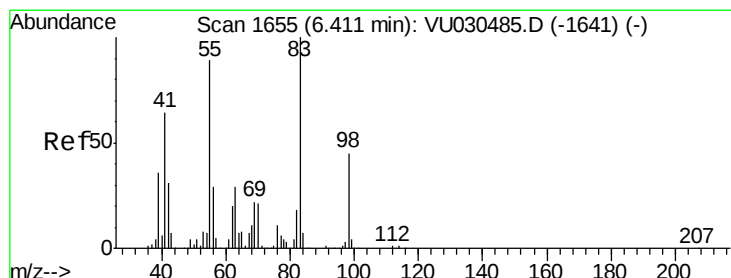
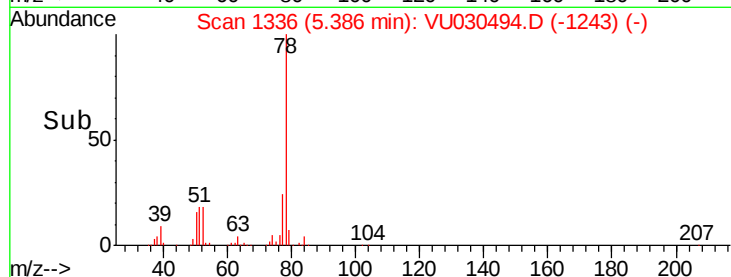
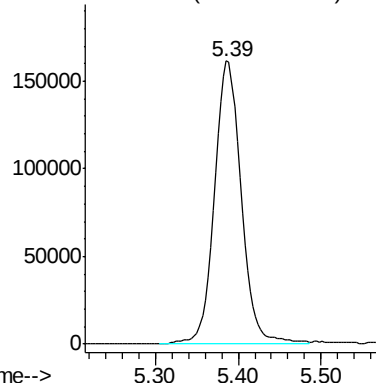
#33
Benzene
Concen: 25.630 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :
DB6S1DL

Tgt Ion: 78 Resp: 364563

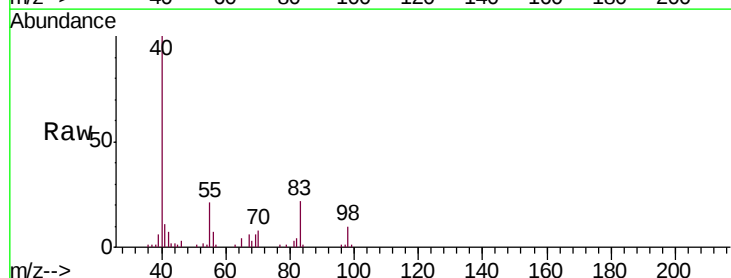


Abundance Ion 78.00 (77.70 to 78.70): VU0



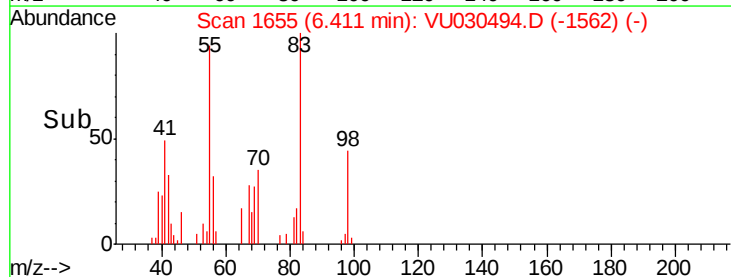
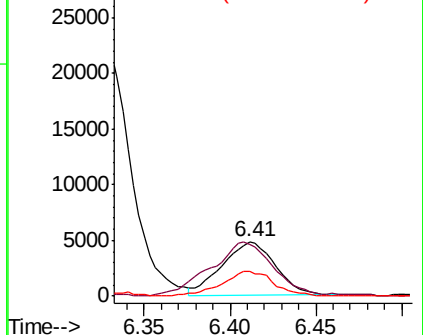
#35
Methylcyclohexane
Concen: 1.773 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

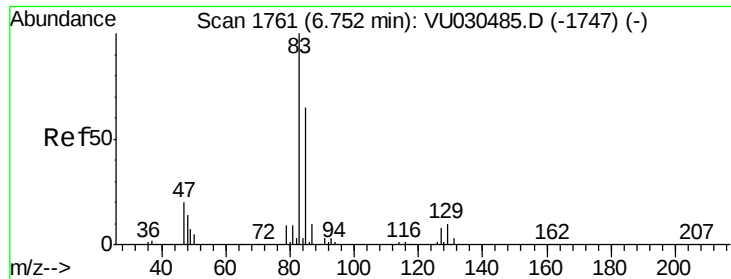
Tgt Ion: 83 Resp: 10204
Ion Ratio Lower Upper
83 100
55 121.4 71.4 107.0#
98 46.1 36.0 54.0



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

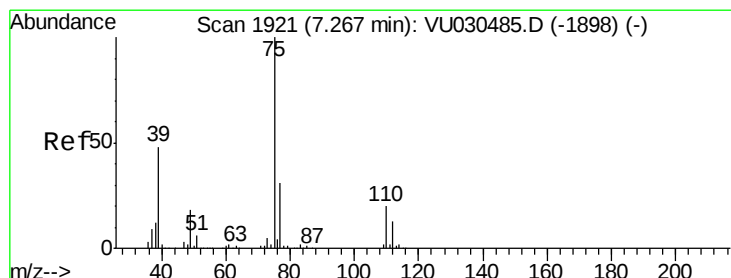
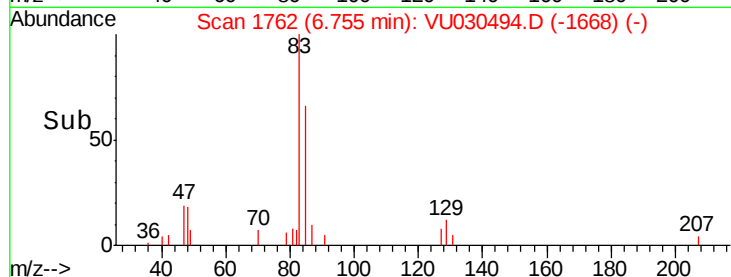
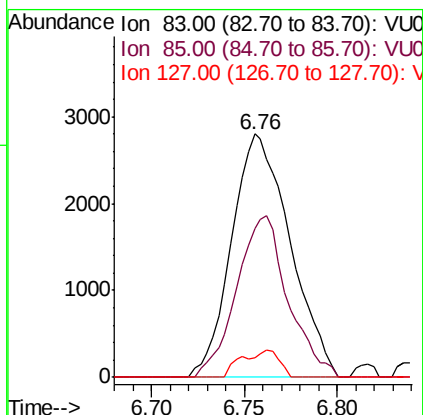
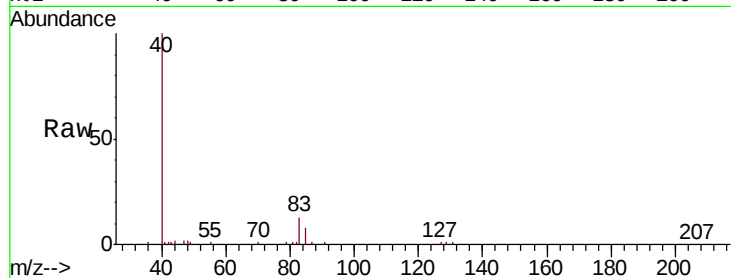




#38
 Bromodichloromethane
 Concen: 1.278 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU030494.D
 Acq: 27 Mar 2019 19:31

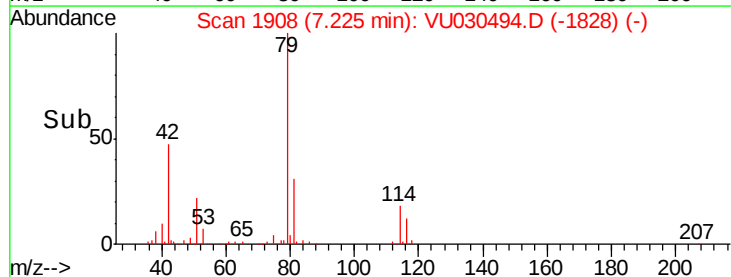
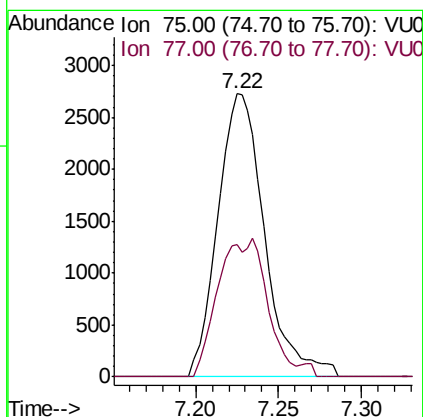
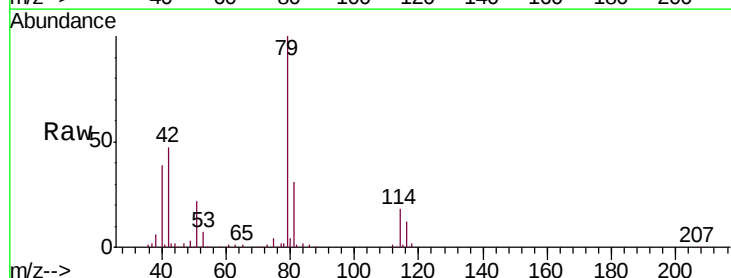
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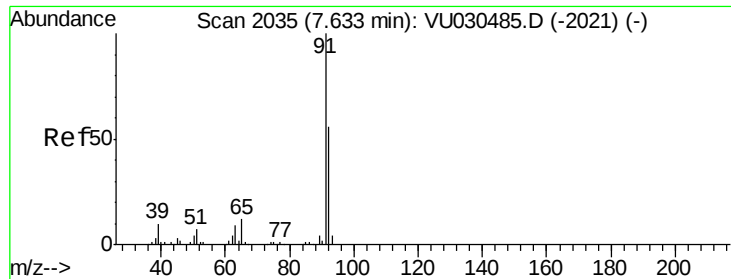
Tgt Ion: 83 Resp: 6129
 Ion Ratio Lower Upper
 83 100
 85 61.0 45.0 83.6
 127 7.8 6.6 10.0



#39
 cis-1,3-Dichloropropene
 Concen: 0.920 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030494.D
 Acq: 27 Mar 2019 19:31

Tgt Ion: 75 Resp: 5336
 Ion Ratio Lower Upper
 75 100
 77 46.5 21.8 40.6#





#42

Toluene

Concen: 54.256 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

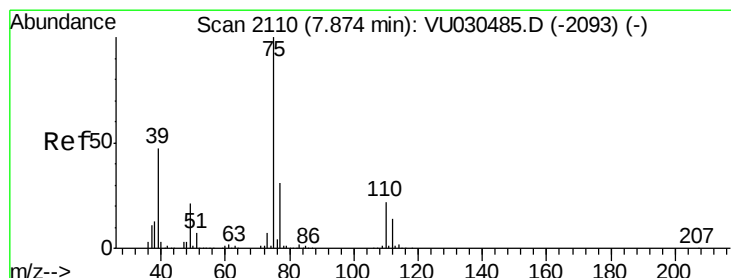
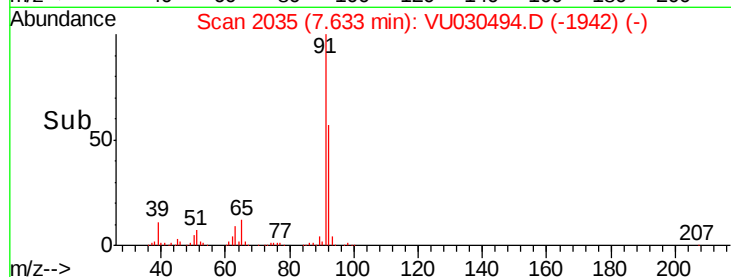
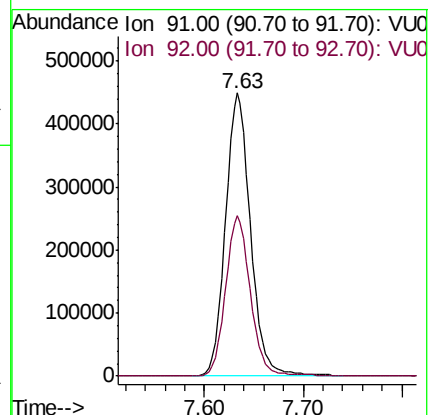
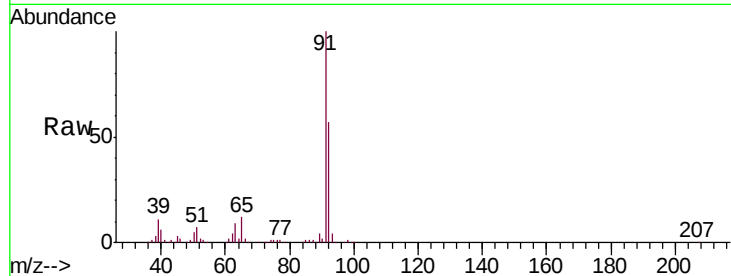
DB6S1DL

Tgt Ion: 91 Resp: 800931

Ion Ratio Lower Upper

91 100

92 56.5 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 0.751 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030494.D

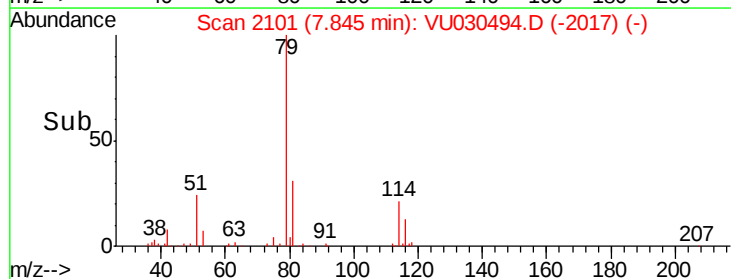
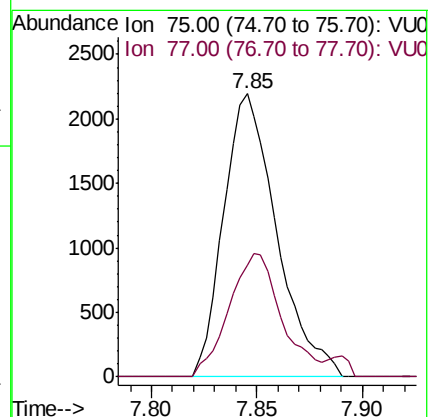
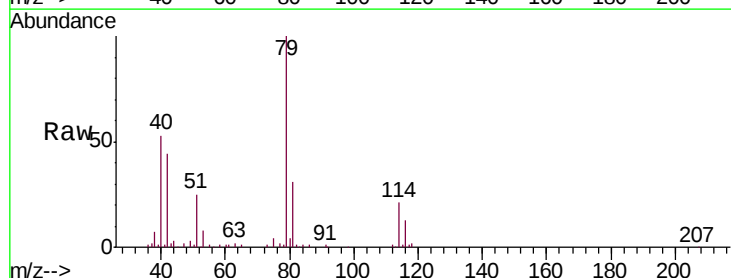
Acq: 27 Mar 2019 19:31

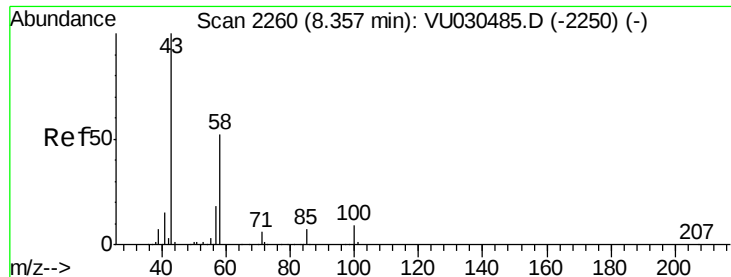
Tgt Ion: 75 Resp: 3833

Ion Ratio Lower Upper

75 100

77 39.6 22.0 40.8

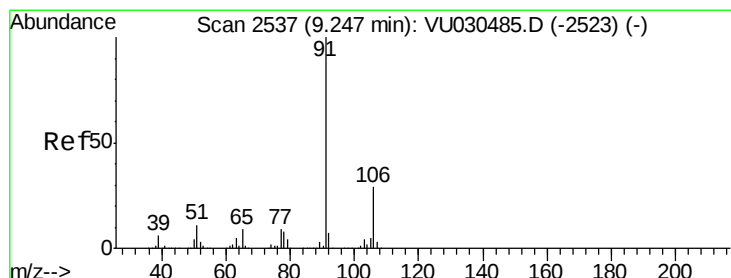
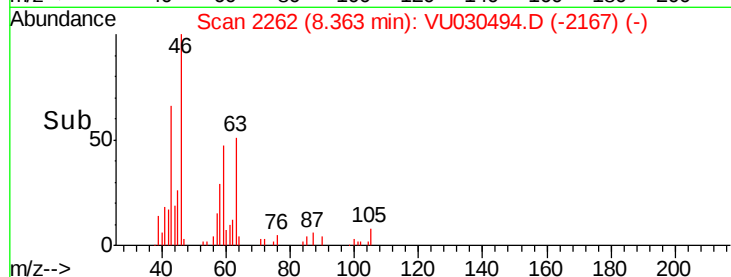
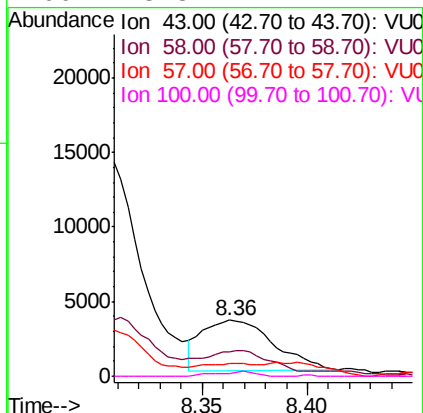
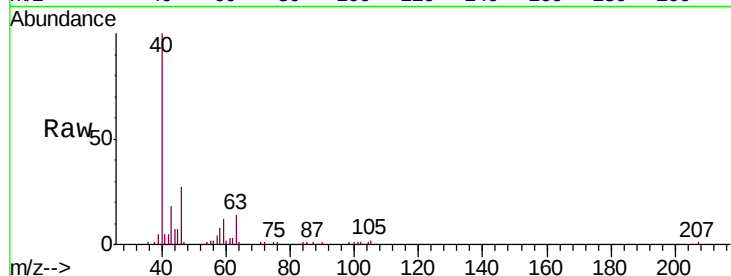




#48
2-Hexanone
Concen: 1.432 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

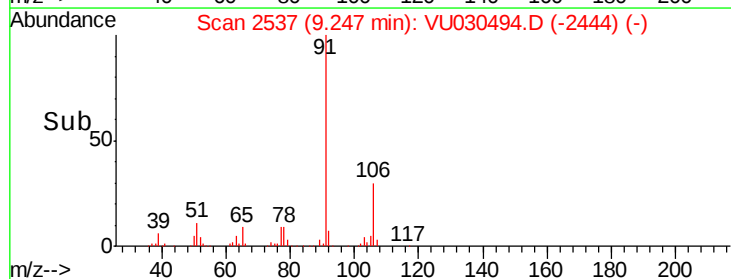
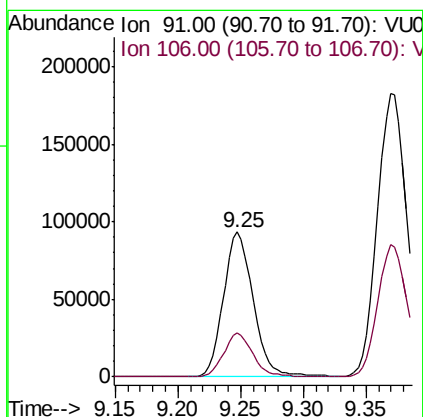
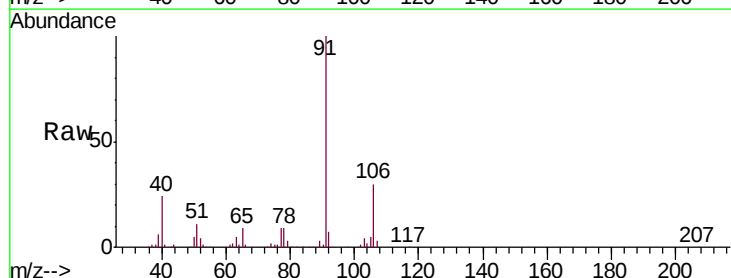
Instrument :
MSVOA_U
ClientSampleId :
DB6S1DL

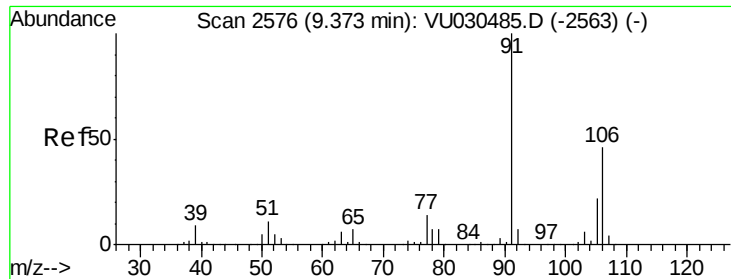
Tgt Ion:	43	Resp:	7959
Ion	Ratio	Lower	Upper
43	100		
58	32.1	42.5	63.7#
57	0.0	15.0	22.6#
100	3.3	7.4	11.2#



#52
Ethylbenzene
Concen: 9.663 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

Tgt Ion:	91	Resp:	154529
Ion	Ratio	Lower	Upper
91	100		
106	30.4	20.6	38.2

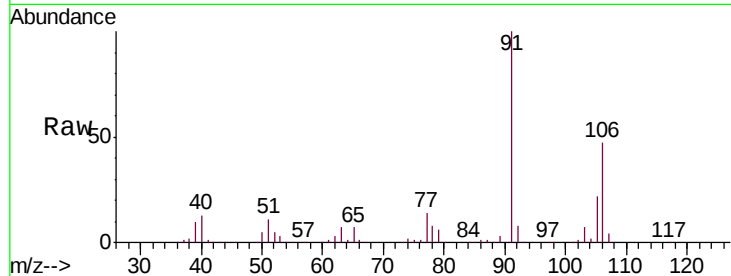




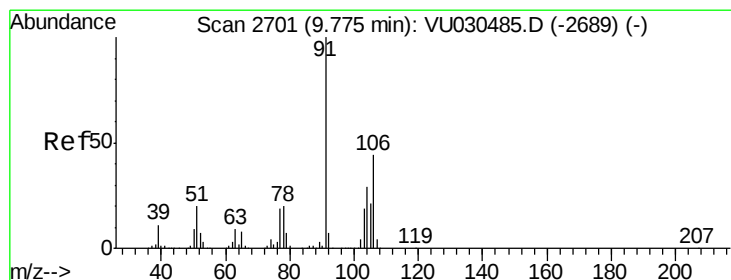
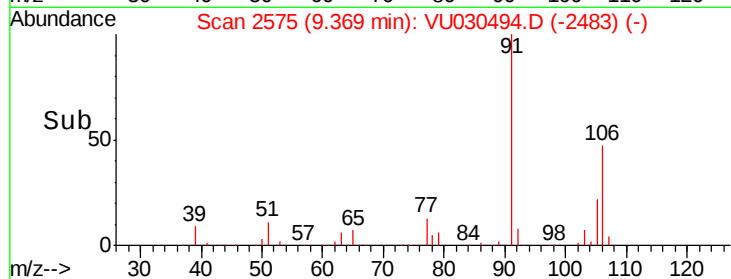
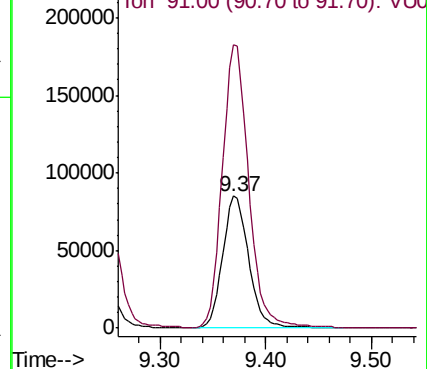
#53
m,p-Xylene
Concen: 25.501 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :
DB6S1DL

Tgt Ion:106 Resp: 147245
Ion Ratio Lower Upper
106 100
91 214.6 151.2 280.8

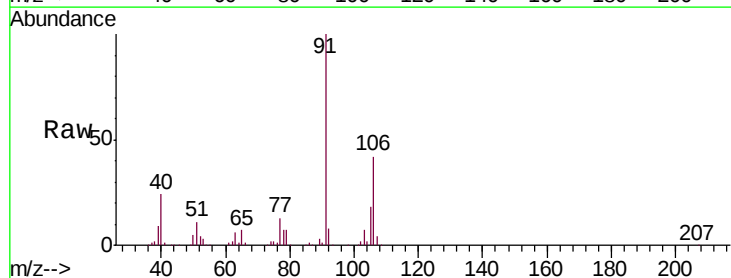


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

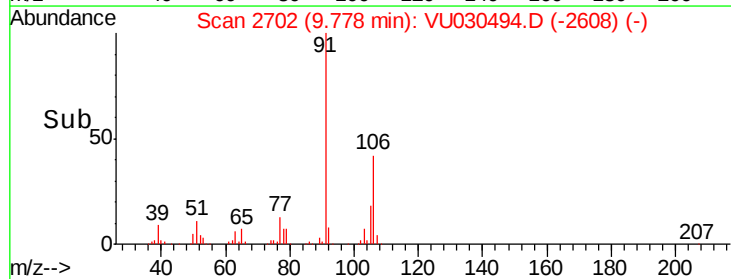
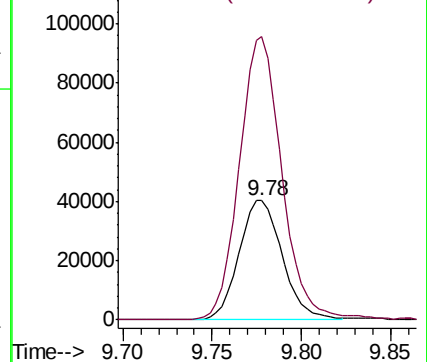


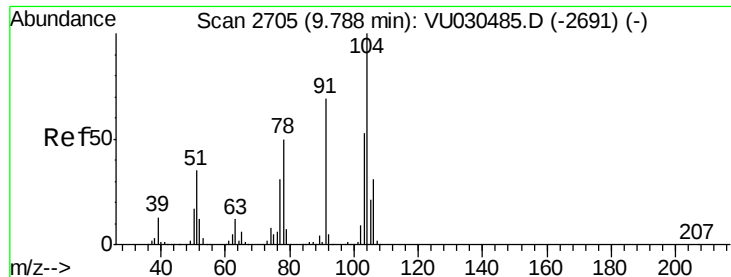
#54
o-xylene
Concen: 12.100 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

Tgt Ion:106 Resp: 68169
Ion Ratio Lower Upper
106 100
91 236.9 159.6 296.4



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





#55

Styrene

Concen: 0.430 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.01 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

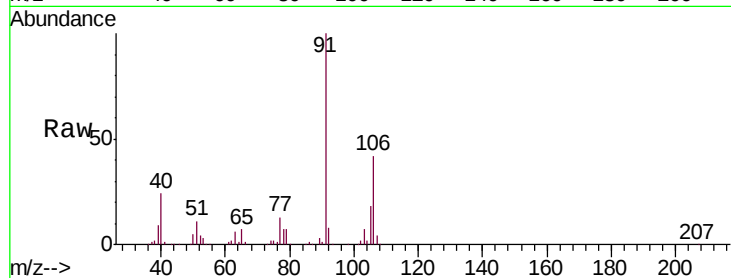
DB6S1DL

Tgt Ion:104 Resp: 4176

Ion Ratio Lower Upper

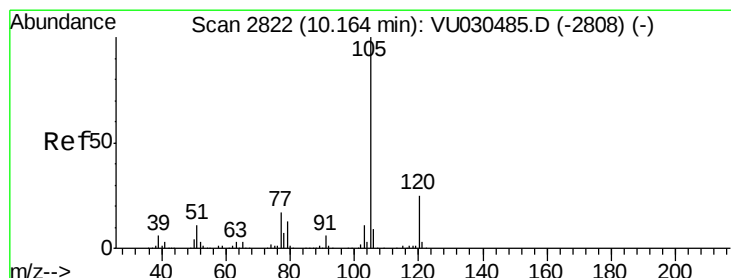
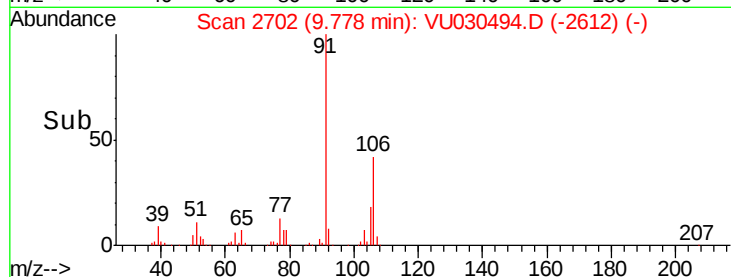
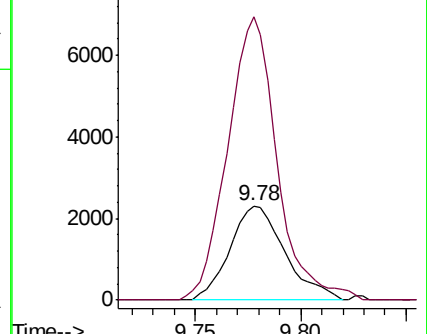
104 100

78 299.3 35.1 65.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 0.593 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

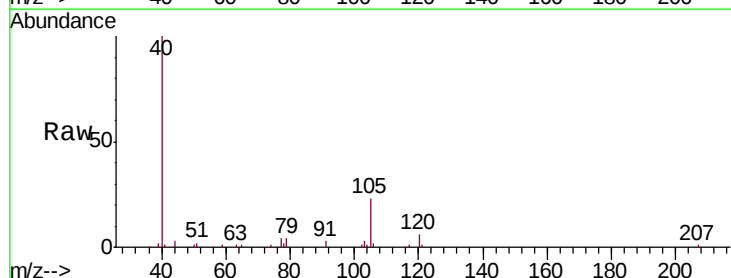
Tgt Ion:105 Resp: 8845

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.2

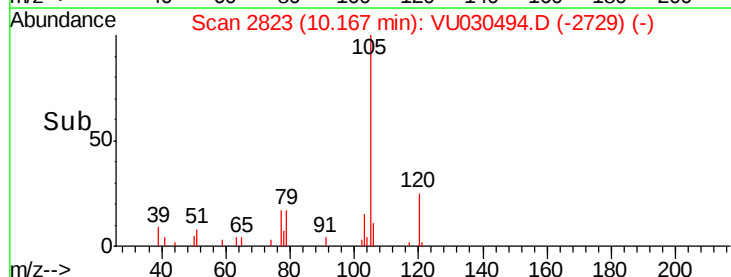
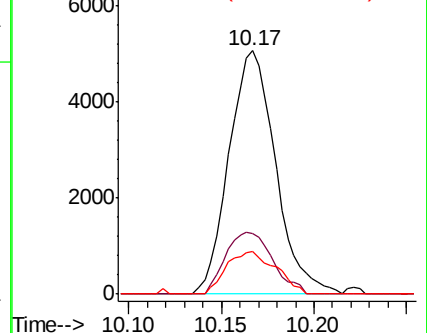
77 18.5 13.2 19.8

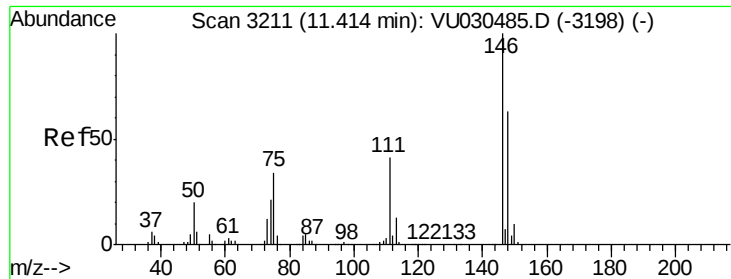


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 0.564 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

DB6S1DL

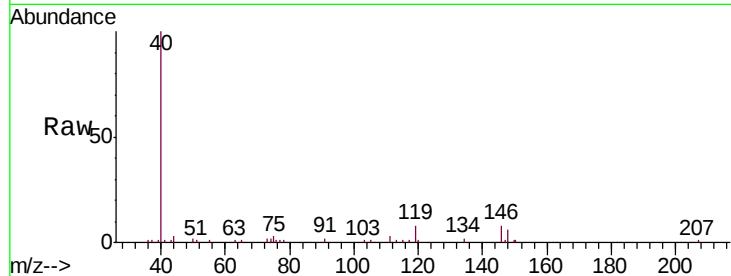
Tgt Ion:146 Resp: 3153

Ion Ratio Lower Upper

146 100

111 34.9 29.2 54.2

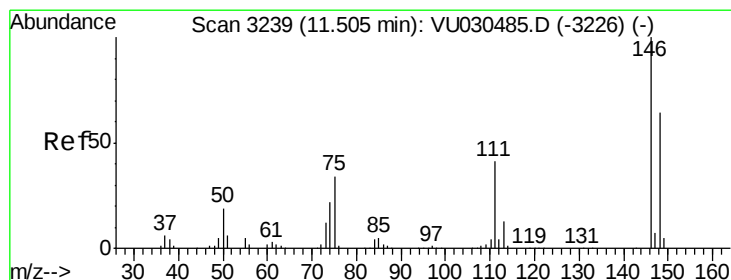
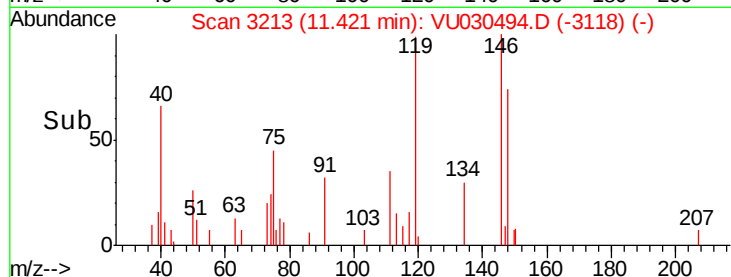
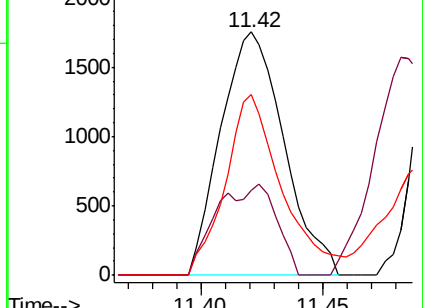
148 74.3 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.019 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

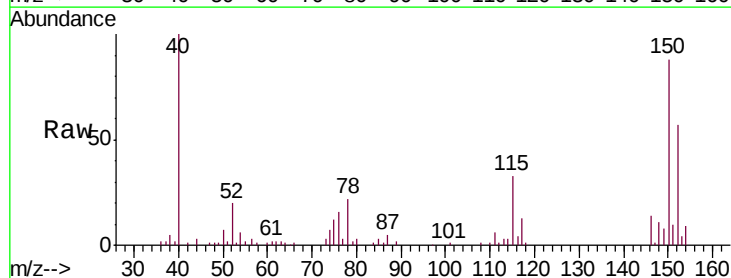
Tgt Ion:146 Resp: 5866

Ion Ratio Lower Upper

146 100

111 43.0 28.7 53.3

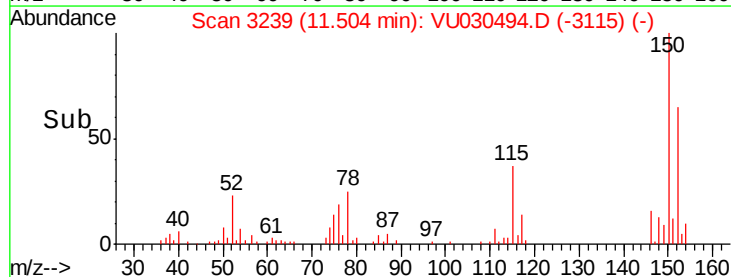
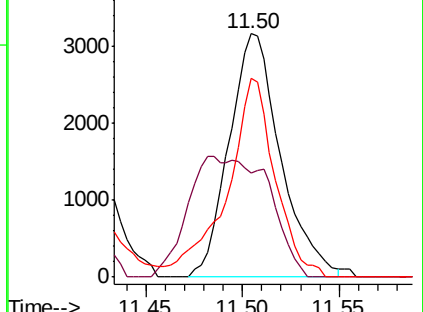
148 81.8 44.3 82.3

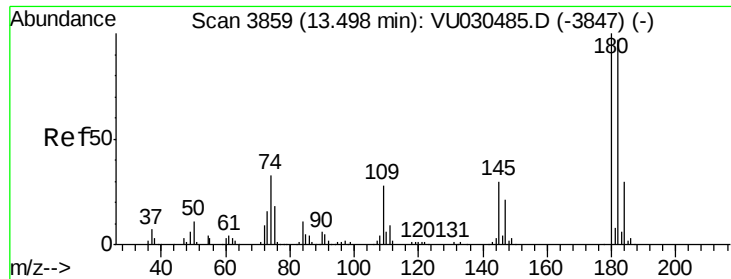


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68
 1,2,4-trichlorobenzene
 Concen: 1.987 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU030494.D
 Acq: 27 Mar 2019 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6S1DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	114.5	76.1	114.1#
145	22.1	24.5	36.7#

