

Data File : VU033851.D
Acq On : 20 Aug 2019 14:07
Operator : JC/SP
Sample : K4373-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AD4

Quant Time: Aug 21 05:45:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:39:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	181124	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	191695	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	107884	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	77768	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.67	69	65442	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.26	63	119059	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.20	46	136845	44.72	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.44%
24) Chloroform-d	4.62	84	118712	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.29	65	62790	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.31	84	223108	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.31	67	73568	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.55	98	192158	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.83	79	25012	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.30	63	107856	50.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.60%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	62835	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	98321	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	2602	0.163 ug/L	98
8) Chloroethane	1.75	64	1272	0.121 ug/L #	50
12) 1,1-Dichloroethene	2.26	96	1440	0.115 ug/L #	1
13) Acetone	2.35	43	7296	3.119 ug/L	83
14) Carbon disulfide	2.58	76	9547	0.222 ug/L	100
27) 1,2-Dichloroethane	5.37	62	2277	0.177 ug/L #	73
33) Benzene	5.36	78	233666	5.555 ug/L	100
37) 1,2-Dichloropropane	6.31	63	7840	0.704 ug/L #	87
42) Toluene	7.62	91	19495	0.452 ug/L	95
45) 1,1,2-Trichloroethane	7.93	97	1305	0.164 ug/L #	14
48) 2-Hexanone	8.36	43	5558	1.290 ug/L #	94
52) Ethylbenzene	9.23	91	84974	1.970 ug/L	96
53) m,p-Xylene	9.36	106	34881	2.155 ug/L	100
54) o-Xylene	9.76	106	12926	0.833 ug/L	92
56) Isopropylbenzene	10.15	105	46310	1.153 ug/L	98
59) 1,2,3-Trichloropropane	11.47	75	13309	1.825 ug/L #	77
66) 1,2-Dibromo-3-chloropropan	12.63	75	638	0.389 ug/L #	5

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:39:59 2019
Response via : Initial Calibration

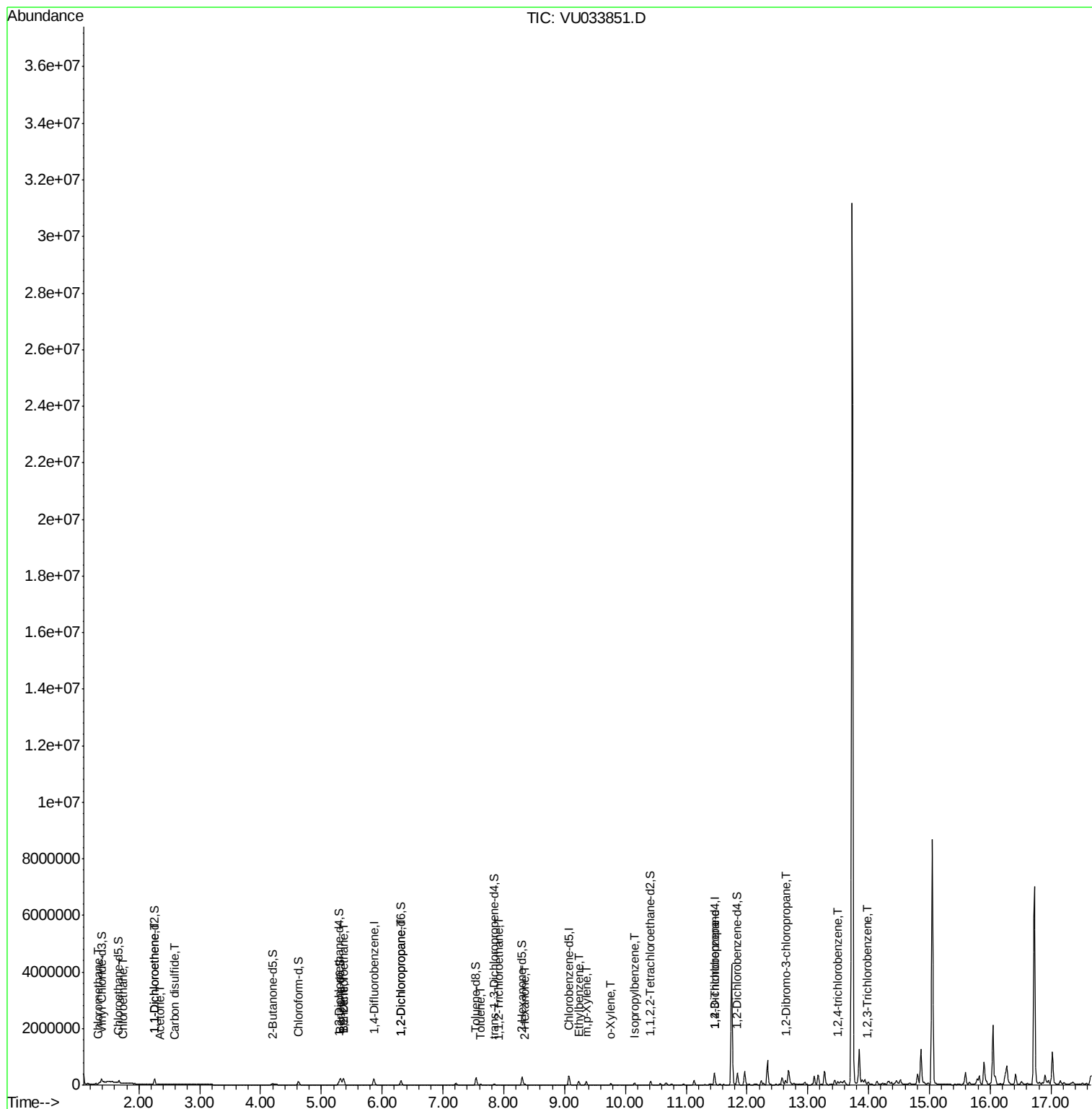
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.49	180	2517	0.190	ug/L #	32
70) 1,2,3-Trichlorobenzene	13.97	180	2065	0.164	ug/L #	1

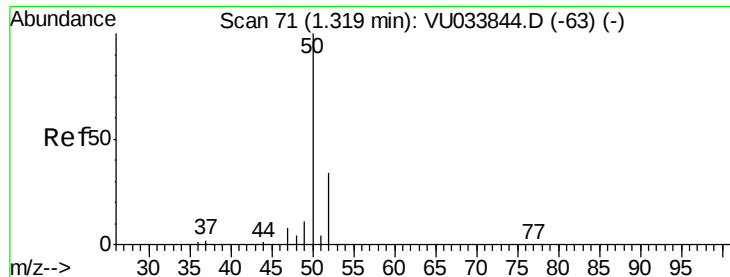
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.163 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033851.D

Acq: 20 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

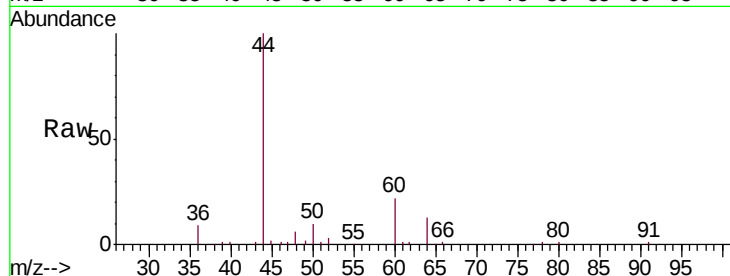
C0AD4

Tgt Ion: 50 Resp: 2602

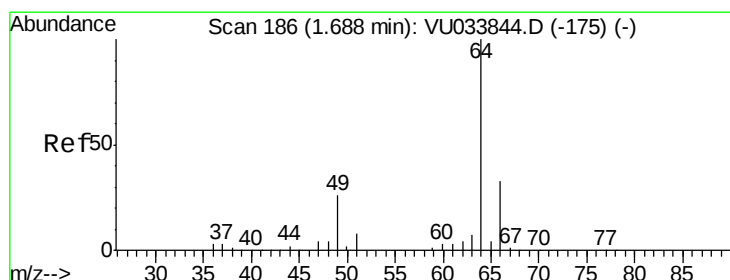
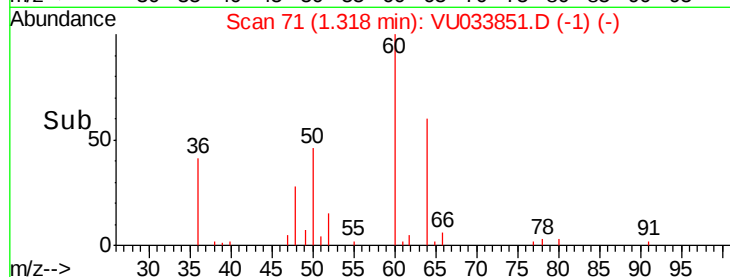
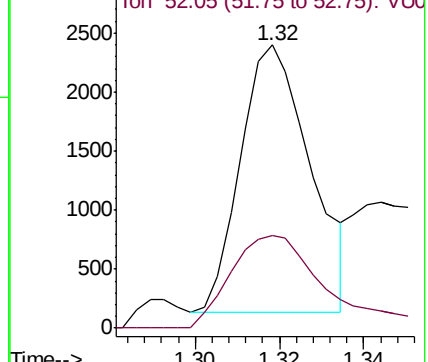
Ion Ratio Lower Upper

50 100

52 32.8 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU033844.D (-63) (-)



#8

Chloroethane

Concen: 0.121 ug/L

RT: 1.75 min Scan# 205

Delta R.T. 0.06 min

Lab File: VU033851.D

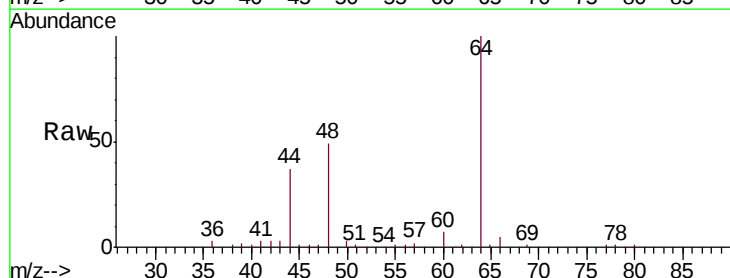
Acq: 20 Aug 2019 14:07

Tgt Ion: 64 Resp: 1272

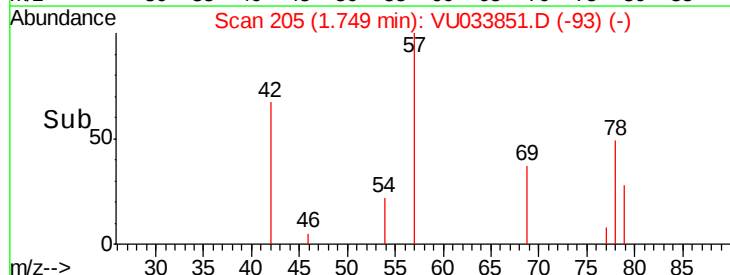
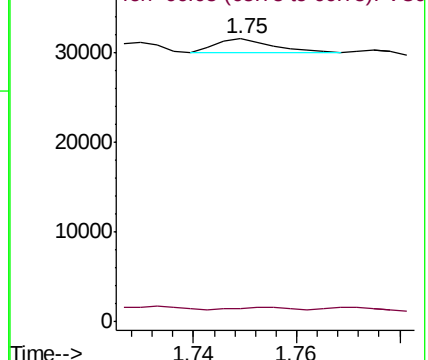
Ion Ratio Lower Upper

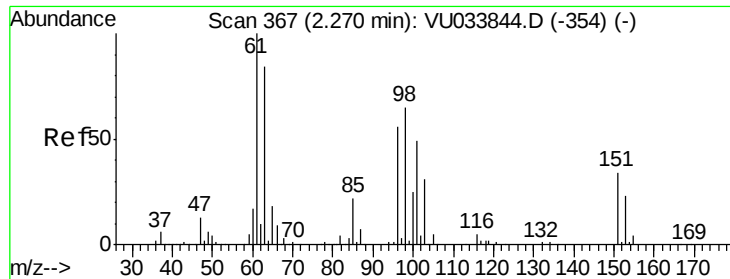
64 100

66 4.8 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU033844.D (-175) (-)

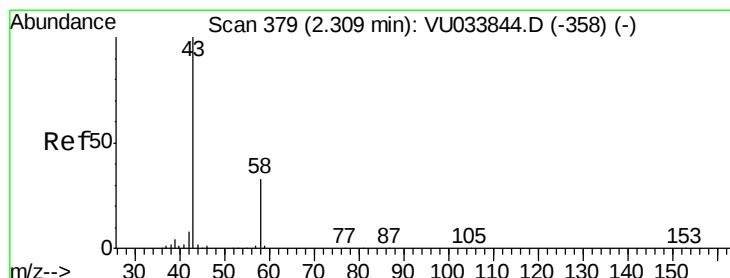
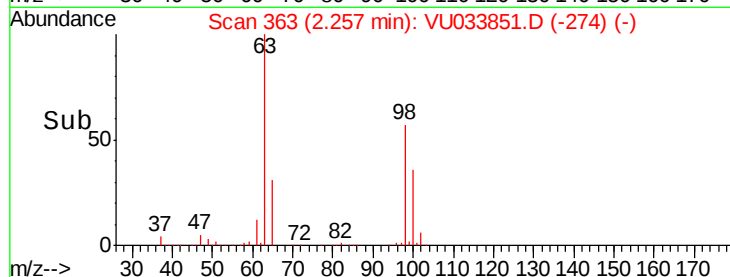
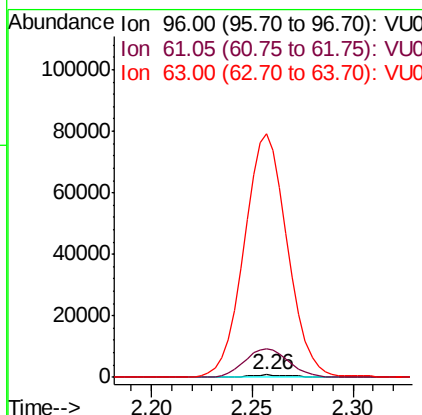
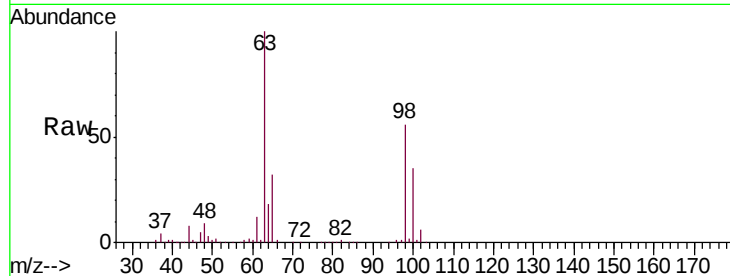




#12
 1,1-Dichloroethene
 Concen: 0.115 ug/L
 RT: 2.26 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VU033851.D
 Acq: 20 Aug 2019 14:07

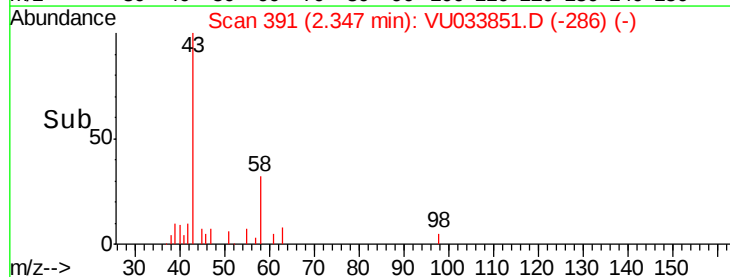
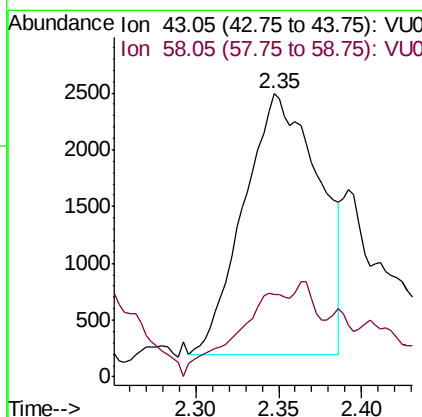
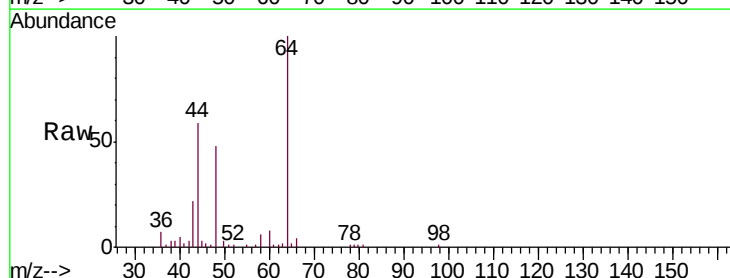
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AD4

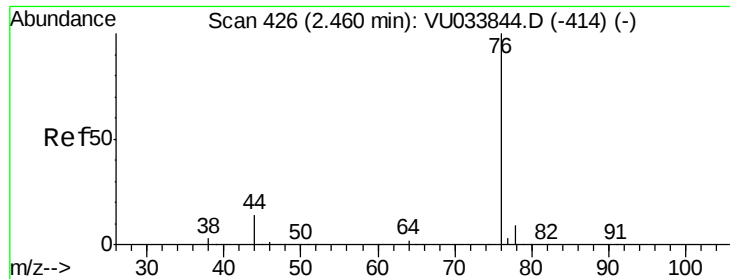
Tgt Ion: 96 Resp: 1440
 Ion Ratio Lower Upper
 96 100
 61 1173.2 124.3 230.9#
 63 9941.7 106.3 197.3#



#13
 Acetone
 Concen: 3.119 ug/L
 RT: 2.35 min Scan# 391
 Delta R.T. 0.04 min
 Lab File: VU033851.D
 Acq: 20 Aug 2019 14:07

Tgt Ion: 43 Resp: 7296
 Ion Ratio Lower Upper
 43 100
 58 23.1 0.0 65.4

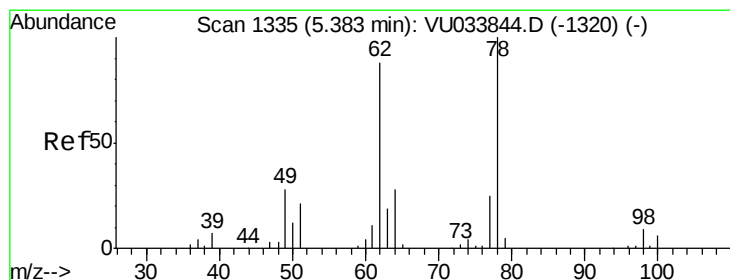
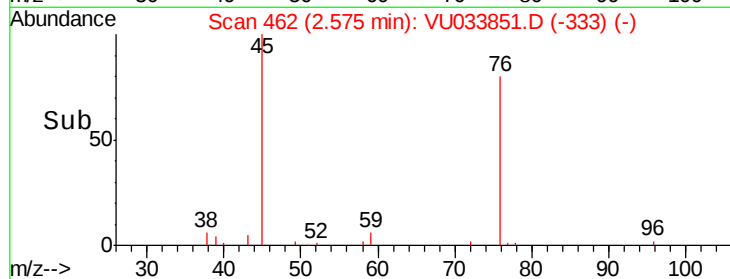
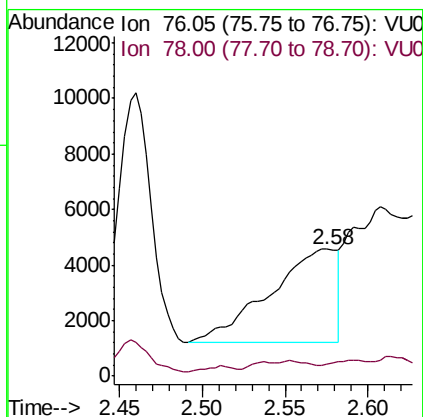
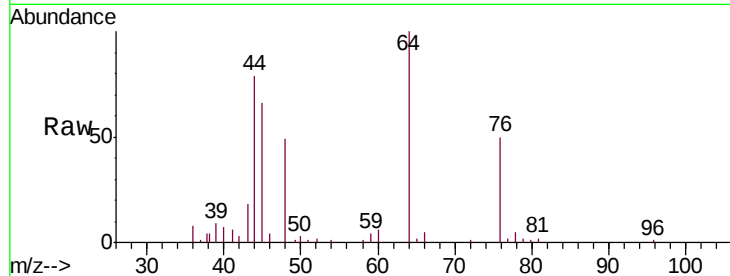




#14
Carbon disulfide
Concen: 0.222 ug/L
RT: 2.58 min Scan# 462
Delta R.T. 0.12 min
Lab File: VU033851.D
Acq: 20 Aug 2019 14:07

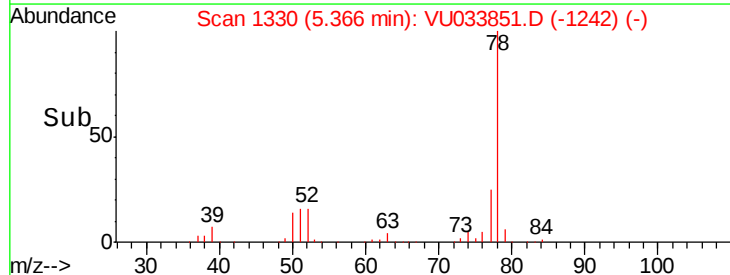
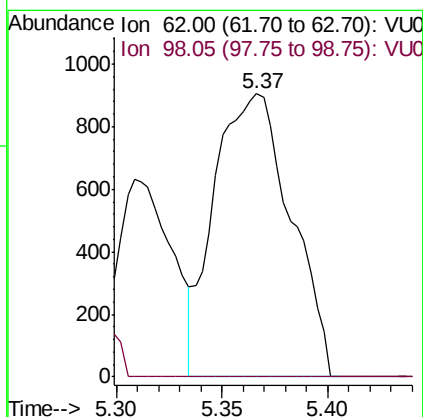
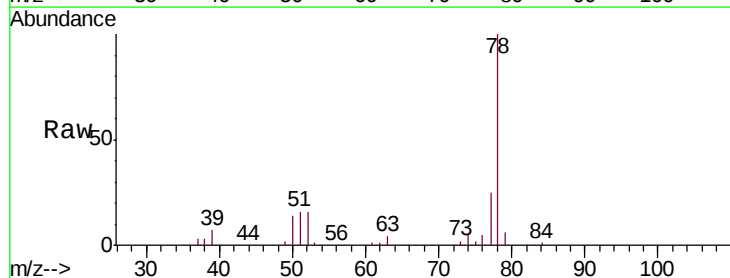
Instrument :
MSVOA_U
ClientSampleId :
C0AD4

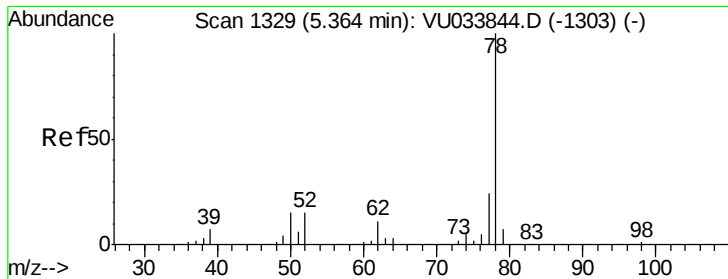
Tgt Ion: 76 Resp: 9547
Ion Ratio Lower Upper
76 100
78 9.7 7.7 11.5



#27
1,2-Dichloroethane
Concen: 0.177 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VU033851.D
Acq: 20 Aug 2019 14:07

Tgt Ion: 62 Resp: 2277
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#





#33

Benzene

Concen: 5.555 ug/L

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033851.D

Acq: 20 Aug 2019 14:07

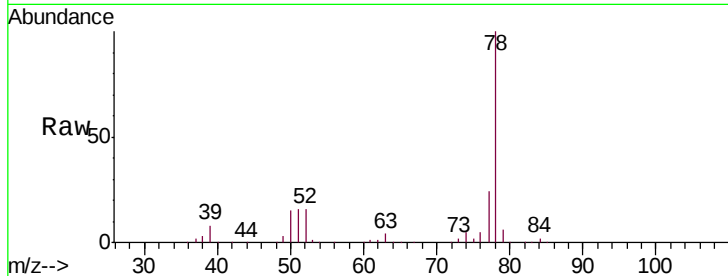
Instrument :

MSVOA_U

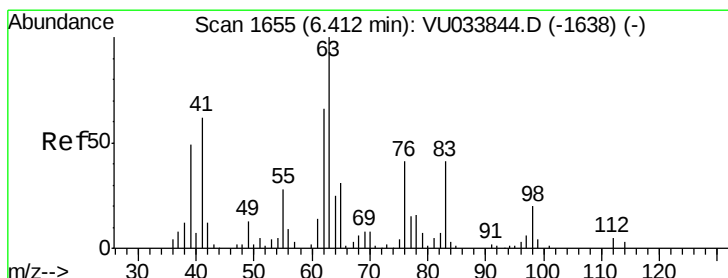
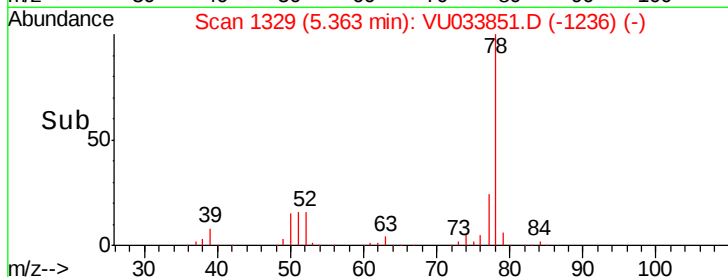
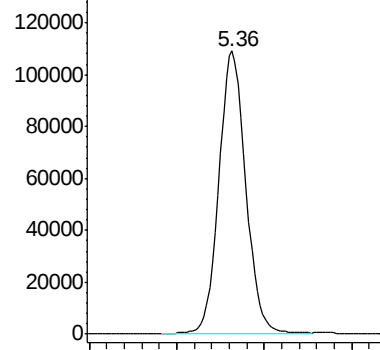
ClientSampleId :

C0AD4

Tgt Ion: 78 Resp: 233666



Abundance Ion 78.10 (77.80 to 78.80): VU0



#37

1,2-Dichloropropane

Concen: 0.704 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU033851.D

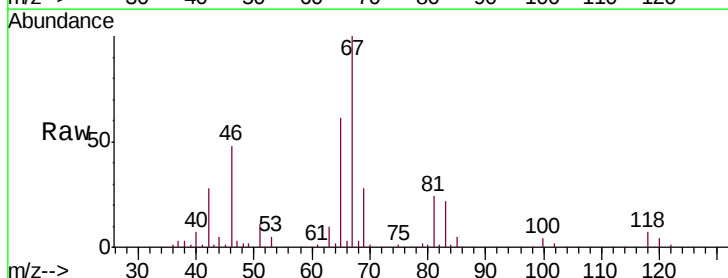
Acq: 20 Aug 2019 14:07

Tgt Ion: 63 Resp: 7840

Ion Ratio Lower Upper

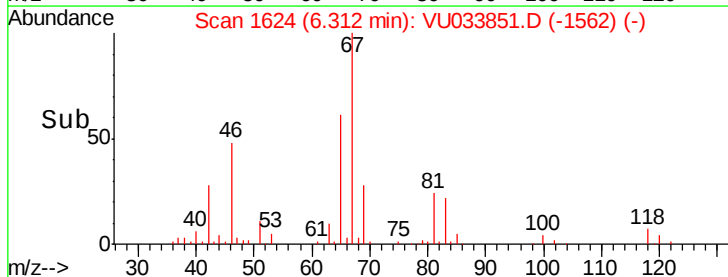
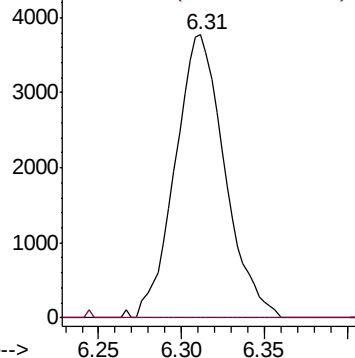
63 100

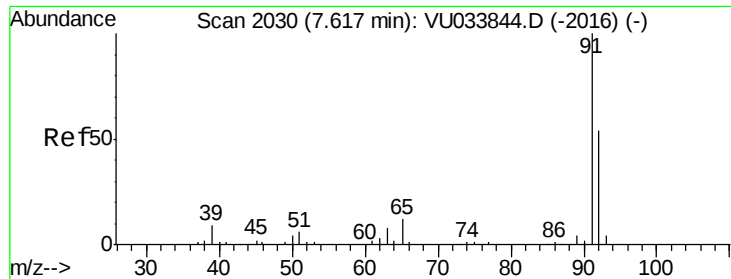
112 0.3 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.452 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033851.D

Acq: 20 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

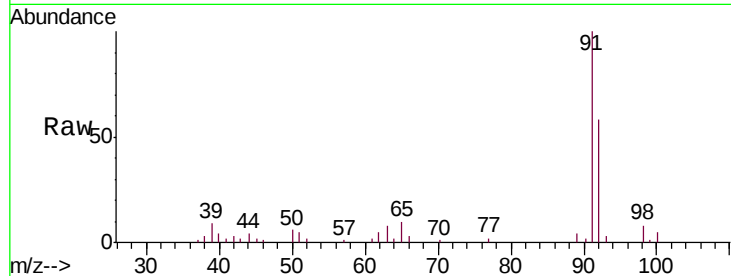
C0AD4

Tgt Ion: 91 Resp: 19495

Ion Ratio Lower Upper

91 100

92 58.3 38.1 70.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

12000

10000

8000

6000

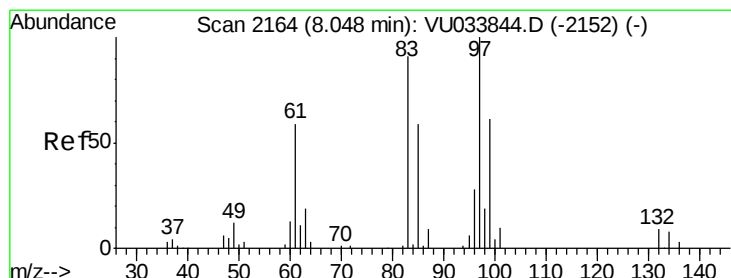
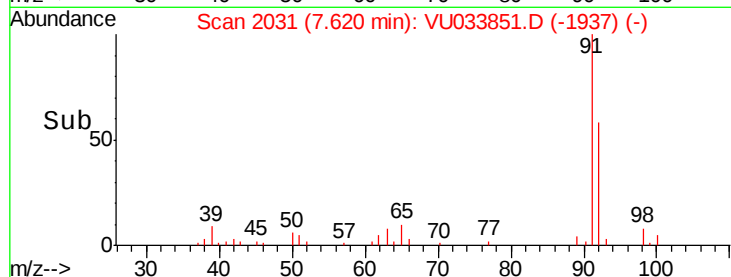
4000

2000

0

7.55 7.60 7.65 7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.164 ug/L

RT: 7.93 min Scan# 2128

Delta R.T. -0.12 min

Lab File: VU033851.D

Acq: 20 Aug 2019 14:07

Tgt Ion: 97 Resp: 1305

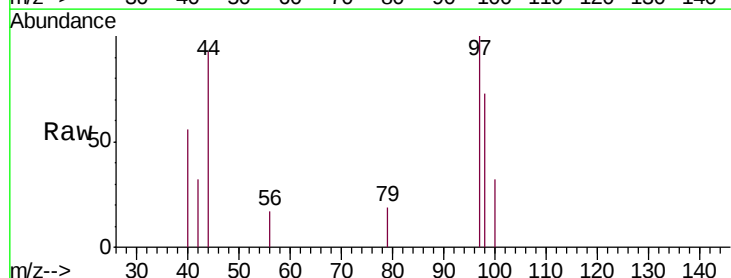
Ion Ratio Lower Upper

97 100

99 0.0 42.8 79.6#

83 0.0 63.6 118.0#

85 0.0 41.2 76.6#



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

1000

800

600

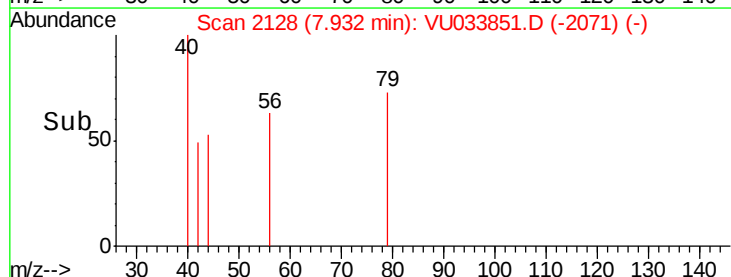
400

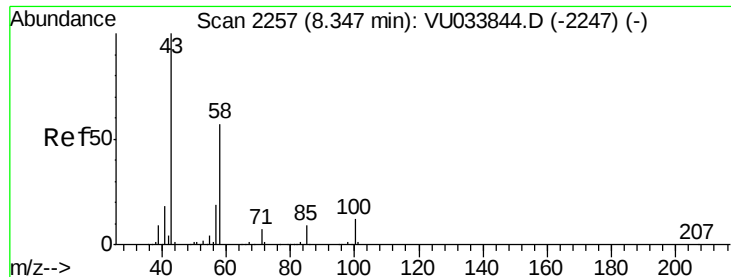
200

0

7.90 7.95

Time-->

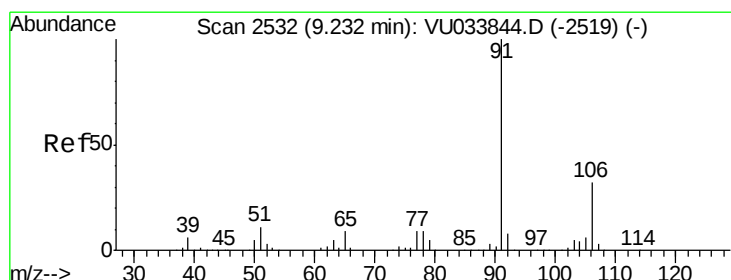
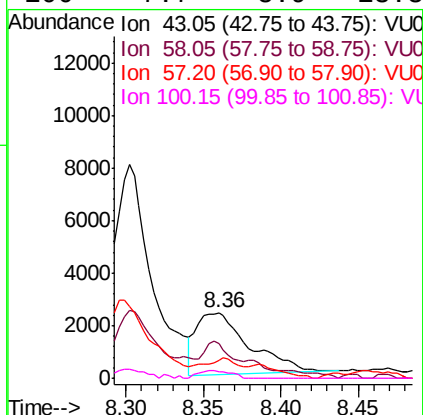
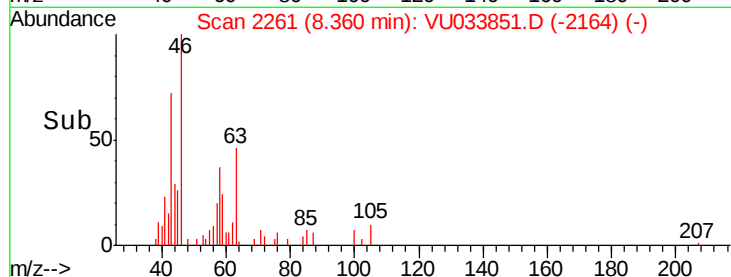
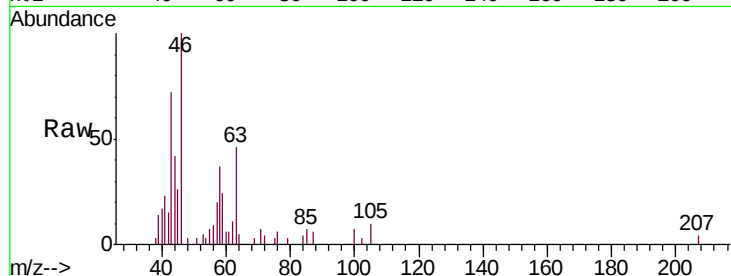




#48
2-Hexanone
Concen: 1.290 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.01 min
Lab File: VU033851.D
Acq: 20 Aug 2019 14:07

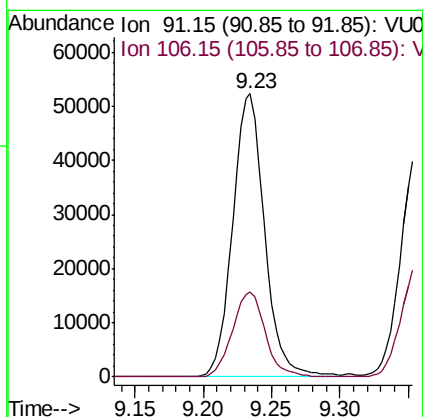
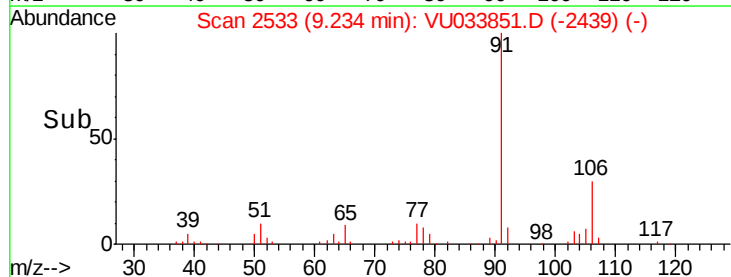
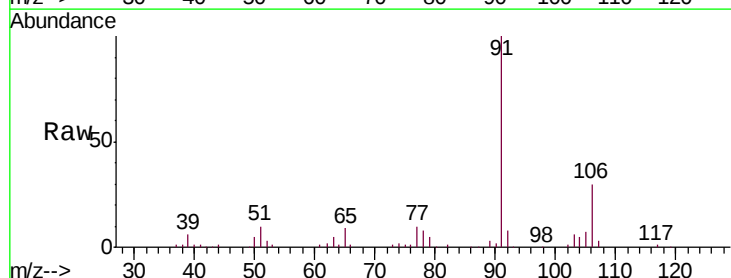
Instrument :
MSVOA_U
ClientSampleId :
C0AD4

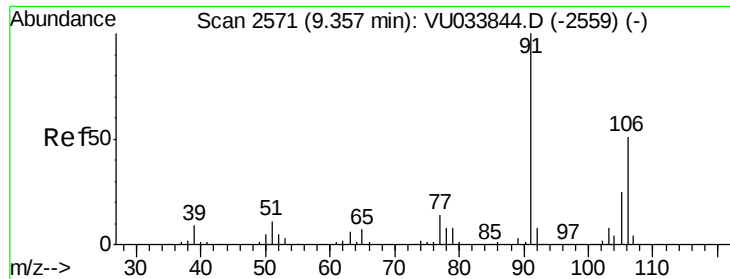
Tgt Ion: 43 Resp: 5558
Ion Ratio Lower Upper
43 100
58 53.1 45.1 67.7
57 22.1 15.4 23.0
100 7.7 8.9 13.3#



#52
Ethylbenzene
Concen: 1.970 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033851.D
Acq: 20 Aug 2019 14:07

Tgt Ion: 91 Resp: 84974
Ion Ratio Lower Upper
91 100
106 29.8 22.3 41.3

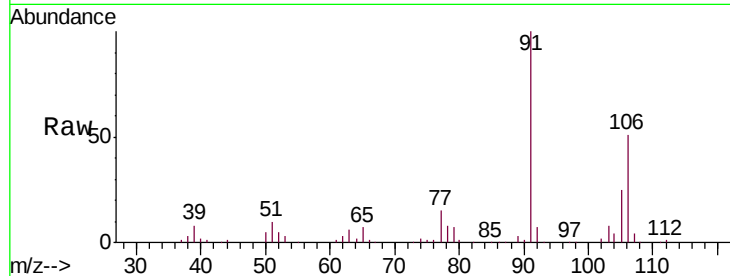




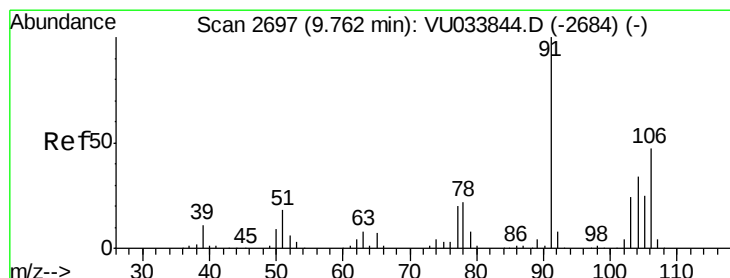
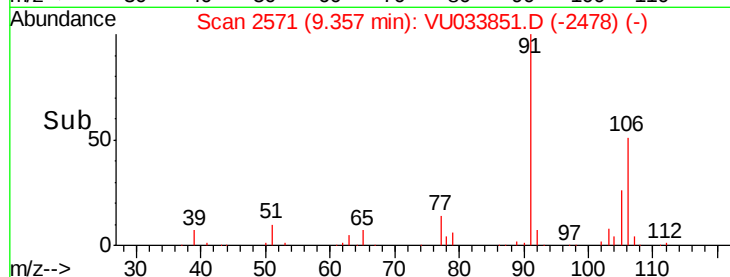
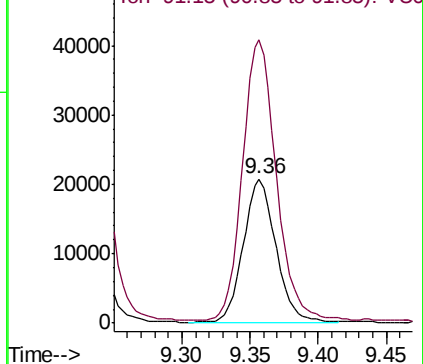
#53
m,p-Xylene
Concen: 2.155 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU033851.D
Acq: 20 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampled :
C0AD4

Tgt Ion:106 Resp: 34881
Ion Ratio Lower Upper
106 100
91 196.2 137.7 255.7

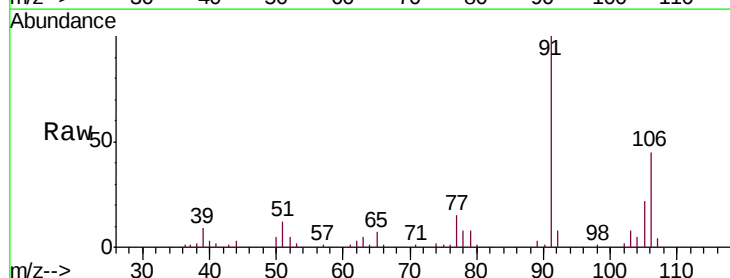


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

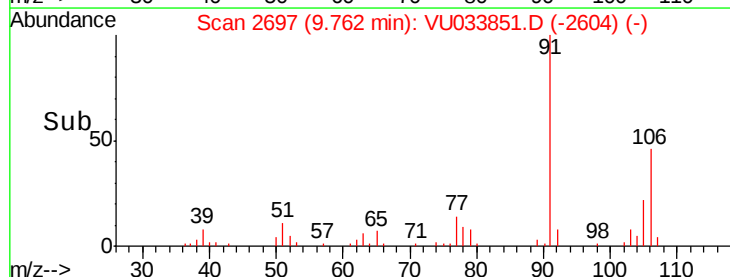
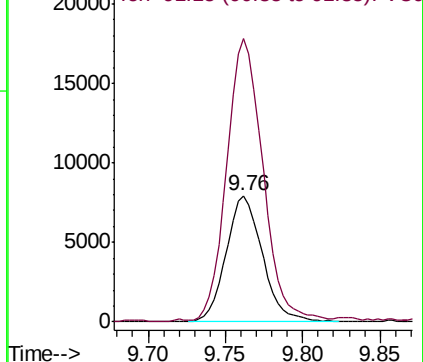


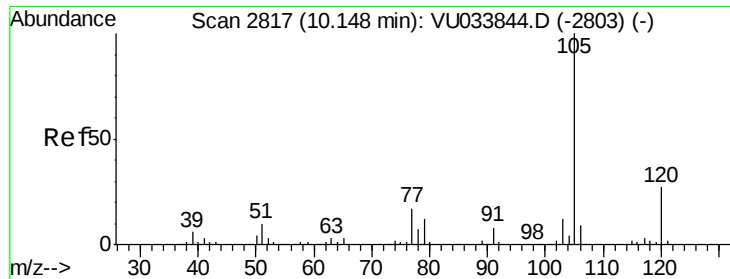
#54
o-Xylene
Concen: 0.833 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033851.D
Acq: 20 Aug 2019 14:07

Tgt Ion:106 Resp: 12926
Ion Ratio Lower Upper
106 100
91 224.5 148.6 276.0



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 1.153 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033851.D

Acq: 20 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

C0AD4

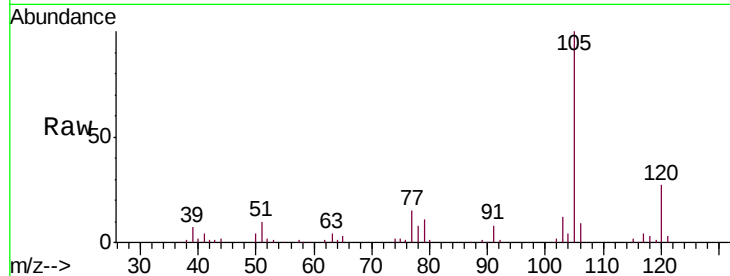
Tgt Ion:105 Resp: 46310

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

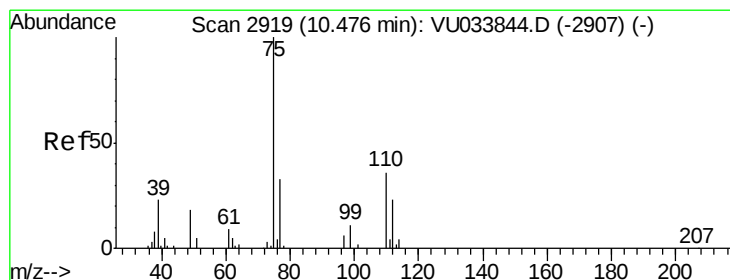
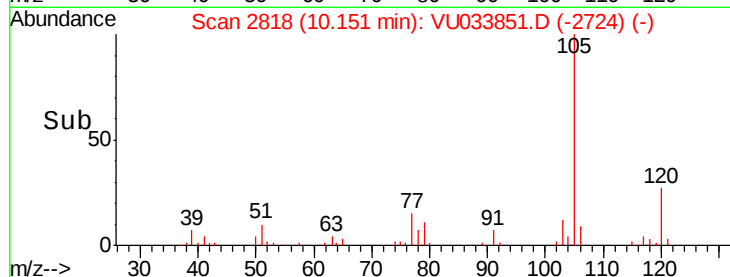
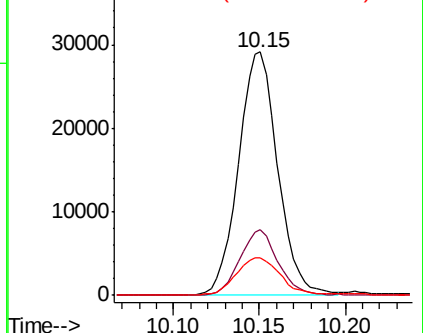
77 17.8 13.1 19.7



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.825 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033851.D

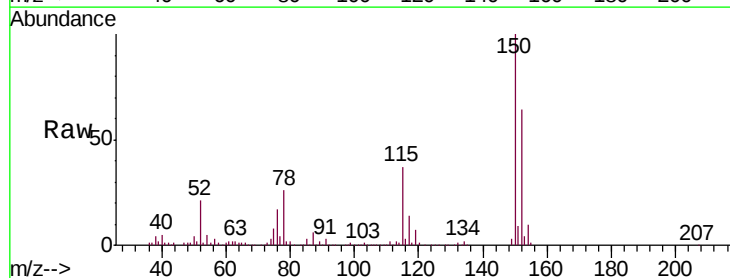
Acq: 20 Aug 2019 14:07

Tgt Ion: 75 Resp: 13309

Ion Ratio Lower Upper

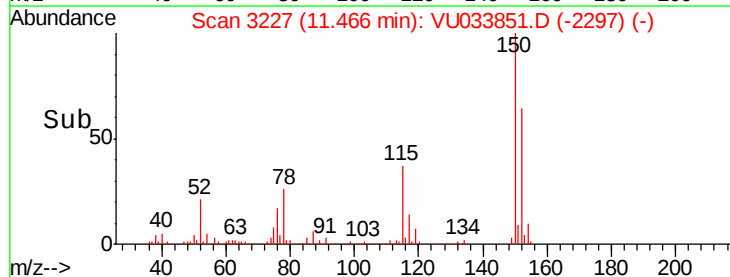
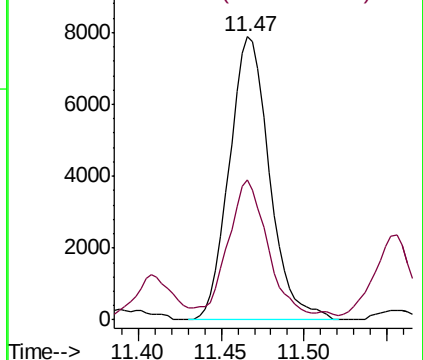
75 100

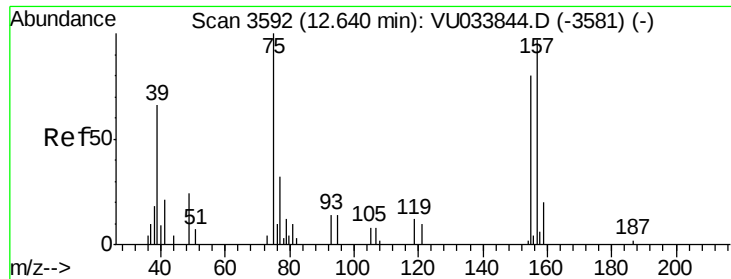
77 45.9 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#66

1,2-Dibromo-3-chloropropane

Concen: 0.389 ug/L

RT: 12.63 min Scan# 3589

Delta R.T. -0.01 min

Lab File: VU033851.D

Acq: 20 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

C0AD4

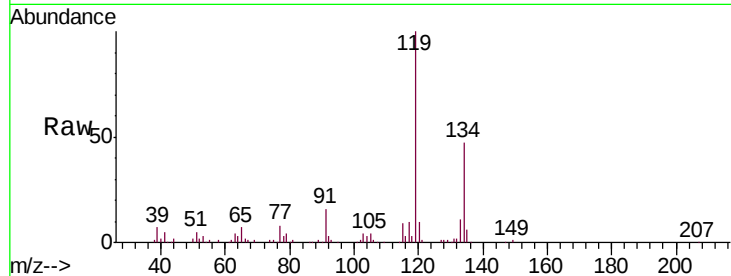
Tgt Ion: 75 Resp: 638

Ion Ratio Lower Upper

75 100

155 0.0 64.1 96.1#

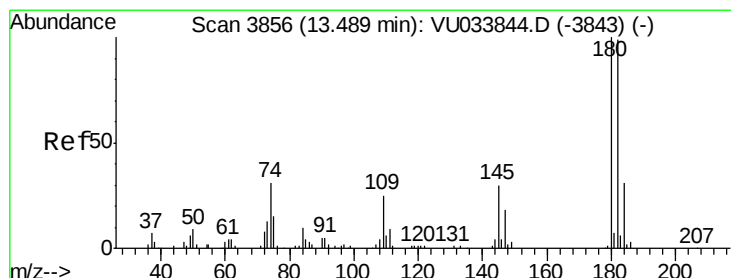
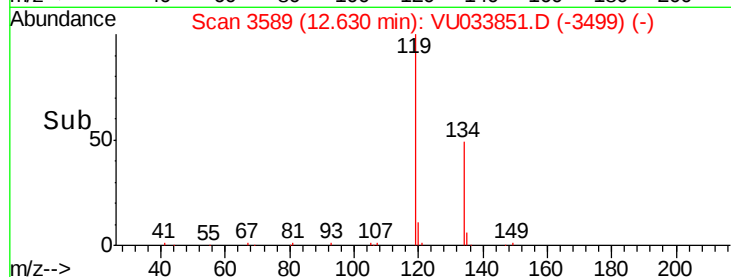
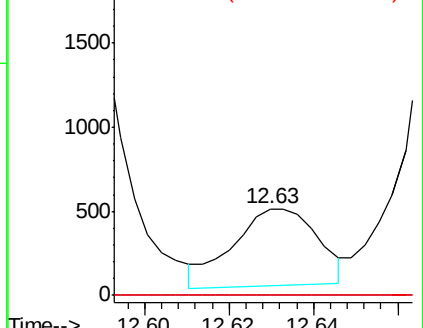
157 0.0 77.5 116.3#



Abundance Ion 75.05 (74.75 to 75.75): VU033844.D (-3581) (-)

Ion 154.95 (154.65 to 155.65): VU033844.D (-3581) (-)

Ion 156.90 (156.60 to 157.60): VU033844.D (-3581) (-)



#68

1,2,4-trichlorobenzene

Concen: 0.190 ug/L

RT: 13.49 min Scan# 3856

Delta R.T. -0.00 min

Lab File: VU033851.D

Acq: 20 Aug 2019 14:07

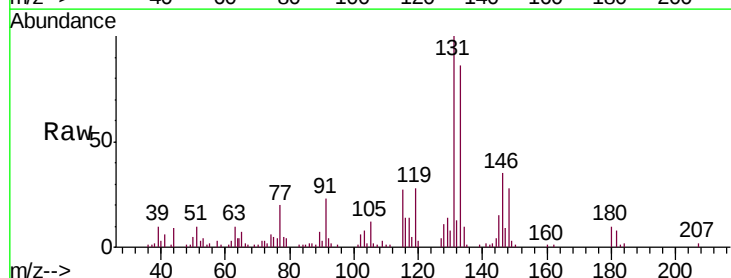
Tgt Ion: 180 Resp: 2517

Ion Ratio Lower Upper

180 100

182 77.8 77.6 116.4

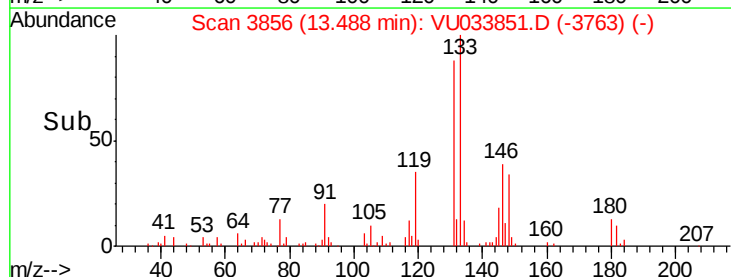
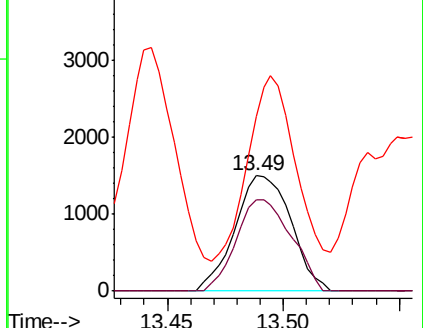
145 151.9 24.4 36.6#

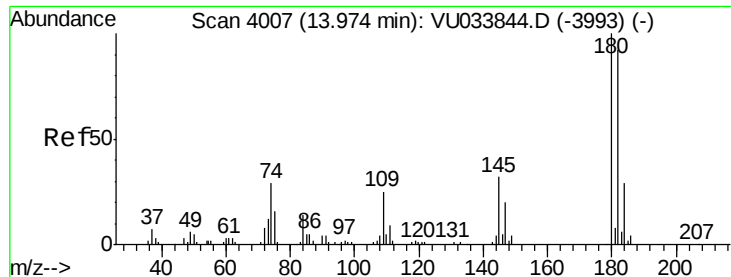


Abundance Ion 179.90 (179.60 to 180.60): VU033844.D (-3843) (-)

Ion 182.00 (181.70 to 182.70): VU033844.D (-3843) (-)

Ion 144.95 (144.65 to 145.65): VU033844.D (-3843) (-)

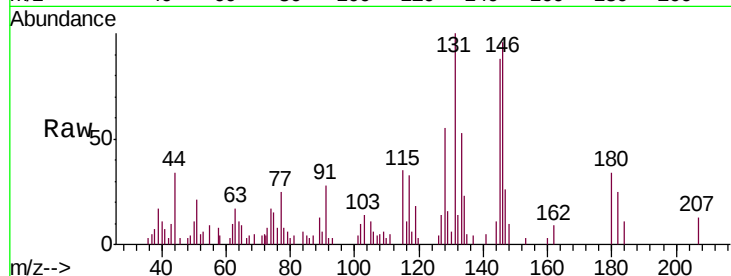




#70
 1,2,3-Trichlorobenzene
 Concen: 0.164 ug/L
 RT: 13.97 min Scan# 4007
 Delta R.T. -0.00 min
 Lab File: VU033851.D
 Acq: 20 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AD4

Tgt Ion:180 Resp: 2065
 Ion Ratio Lower Upper
 180 100
 182 90.3 76.9 115.3
 145 1022.6 24.6 36.8#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

