

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081919\
 Data File : VU033836.D
 Acq On : 19 Aug 2019 08:48
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 19 15:24:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 17 01:44:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	180227	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	186262	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	101754	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	80499	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.67	69	70973	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.26	65	37347	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.19	46	211827	53.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.48%
24) Chloroform-d	4.62	84	144674	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.29	65	76641	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.32	84	256103	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.31	67	85316	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.55	98	234161	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.83	79	34964	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.30	63	156530	54.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.38%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	78736	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
66) 1,2-Dichlorobenzene-d4	11.84	152	95477	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	142356	5.449 ug/L	99
3) Chloromethane	1.32	50	147141	5.427 ug/L	99
5) Vinyl chloride	1.39	62	158847	5.373 ug/L	97
6) Bromomethane	1.62	94	98085	5.701 ug/L	98
8) Chloroethane	1.69	64	94653	5.420 ug/L	100
9) Trichlorofluoromethane	1.87	101	218150	5.387 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	119453	5.558 ug/L	99
12) 1,1-Dichloroethene	2.27	96	115869	5.579 ug/L	100
13) Acetone	2.35	43	233198	55.519 ug/L #	50
14) Carbon disulfide	2.46	76	377063	5.347 ug/L	100
15) Methyl Acetate	2.61	43	60024	5.497 ug/L	98
16) Methylene chloride	2.68	84	128557	5.302 ug/L	96
17) Methyl tert-butyl Ether	2.98	73	304469	5.662 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	123792	5.551 ug/L	96
19) 1,1-Dichloroethane	3.42	63	194341	5.574 ug/L	98
21) 2-Butanone	4.27	43	301091	57.898 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	105911	5.567 ug/L	98

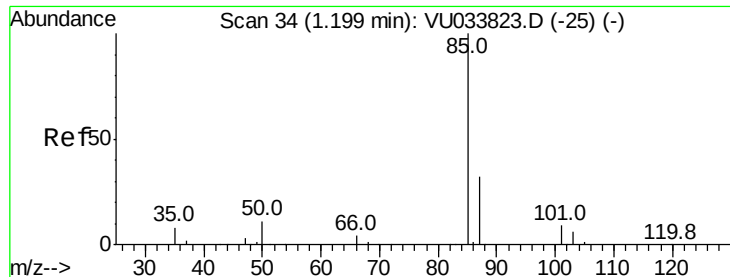
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081919\
 Data File : VU033836.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 17 01:44:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	51617	5.659	ug/L	94
25) Chloroform	4.65	83	201870	5.380	ug/L	98
27) 1,2-Dichloroethane	5.38	62	126481	5.470	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	169257	5.584	ug/L	99
30) Cyclohexane	4.97	56	149053	5.433	ug/L	99
31) Carbon tetrachloride	5.11	117	152015	5.636	ug/L	99
33) Benzene	5.37	78	416461	5.590	ug/L	100
34) Trichloroethene	6.16	95	108017	5.528	ug/L	98
35) Methylcyclohexane	6.39	83	161955	5.528	ug/L	99
37) 1,2-Dichloropropane	6.41	63	111550	5.541	ug/L	99
38) Bromodichloromethane	6.74	83	140607	5.539	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	152651	5.619	ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	689442	59.264	ug/L	100
42) Toluene	7.62	91	449953	5.748	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	128806	5.671	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	81576	5.671	ug/L	98
47) Tetrachloroethene	8.21	164	90681	5.567	ug/L	98
48) 2-Hexanone	8.35	43	506045	60.148	ug/L	99
49) Dibromochloromethane	8.46	129	99479	5.703	ug/L	97
50) 1,2-Dibromoethane	8.57	107	78841	5.669	ug/L	96
51) Chlorobenzene	9.10	112	279919	5.554	ug/L	98
52) Ethylbenzene	9.23	91	455690	5.624	ug/L	99
53) m,p-Xylene	9.36	106	178534	5.843	ug/L	96
54) o-Xylene	9.76	106	171626	5.917	ug/L	98
55) Styrene	9.77	104	305592	6.071	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	103723	5.490	ug/L	100
59) Isopropylbenzene	10.15	105	446466	5.755	ug/L	99
60) Bromoform	9.94	173	60136	5.786	ug/L	96
61) 1,2,3-Trichloropropane	10.48	75	74902	5.543	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	365186	5.801	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	373401	5.945	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	233682	5.633	ug/L	100
65) 1,4-Dichlorobenzene	11.49	146	236082	5.528	ug/L	98
67) 1,2-Dichlorobenzene	11.86	146	223417	5.578	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	16842	5.710	ug/L	98
69) 1,3,5-Trichlorobenzene	12.87	180	181511	5.563	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	142455	5.610	ug/L	99
71) Naphthalene	13.73	128	223833	5.724	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	137873	5.761	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.449 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

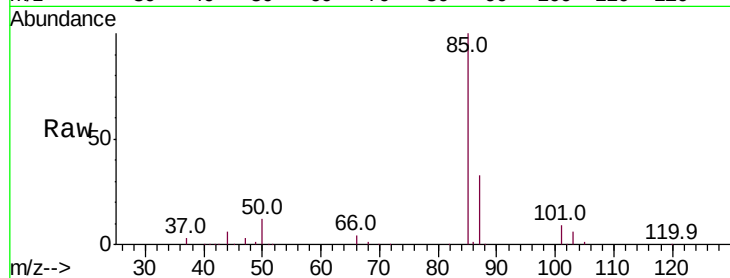
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 142356

Ion Ratio Lower Upper

85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033823.D (-25) (-)

Ion 87.00 (86.70 to 87.70): VU033823.D (-25) (-)

1.20

150000

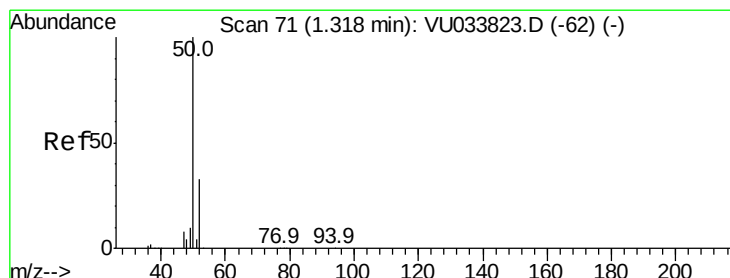
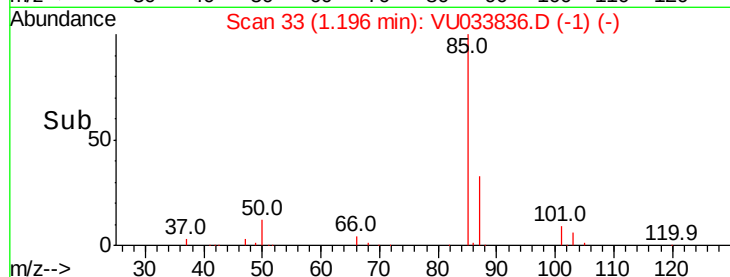
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 5.427 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033836.D

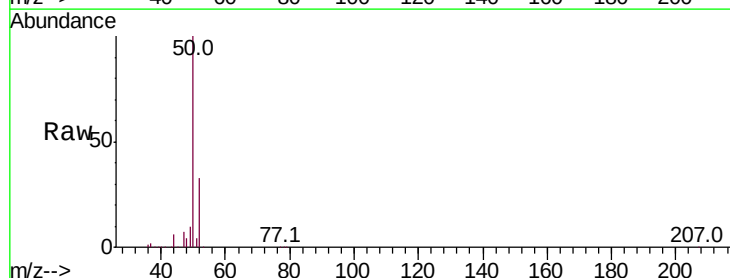
Acq: 19 Aug 2019 08:48

Tgt Ion: 50 Resp: 147141

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033823.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU033823.D (-62) (-)

1.32

150000

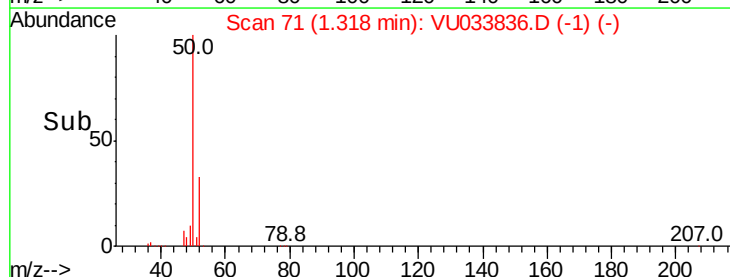
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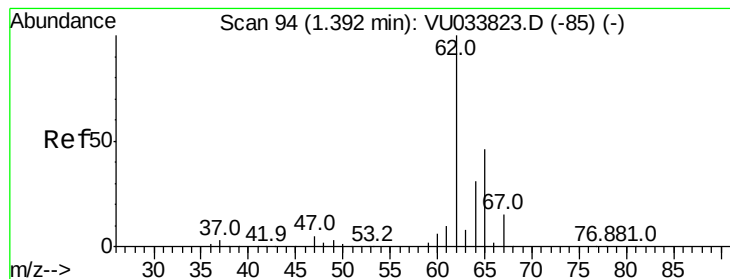
50000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 5.373 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

Instrument :

MSVOA_U

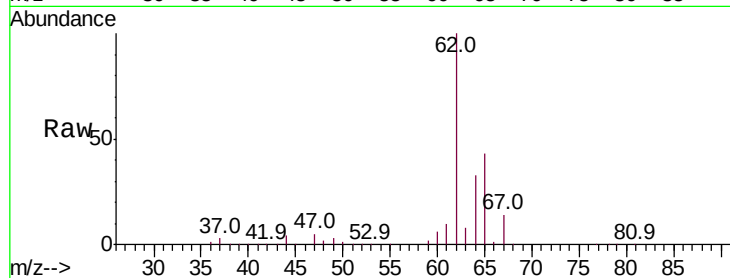
ClientSampleId :

Tot Ion: 62 Resp: 158847

Ion Ratio Lower Upper

62 100

64 33.2 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VU033836.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033836.D (-85) (-)

1.39

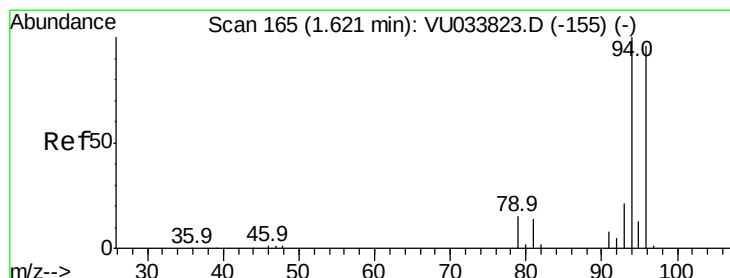
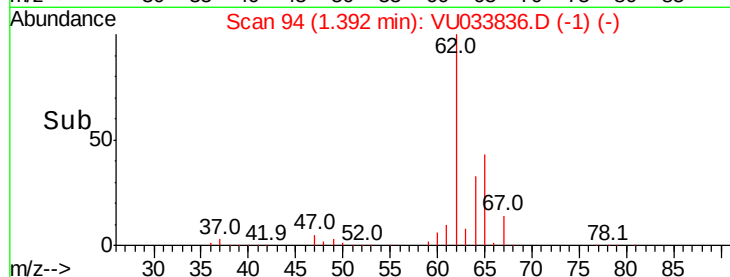
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.701 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033836.D

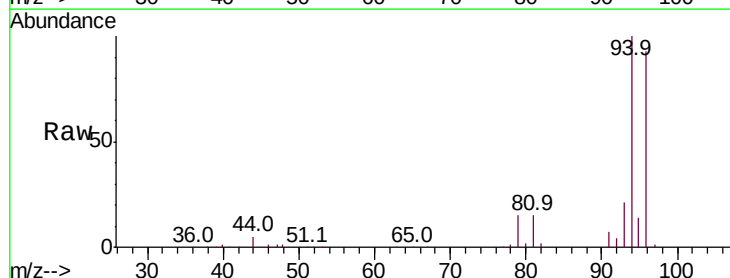
Acq: 19 Aug 2019 08:48

Tgt Ion: 94 Resp: 98085

Ion Ratio Lower Upper

94 100

96 93.0 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU033836.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033836.D (-155) (-)

1.62

80000

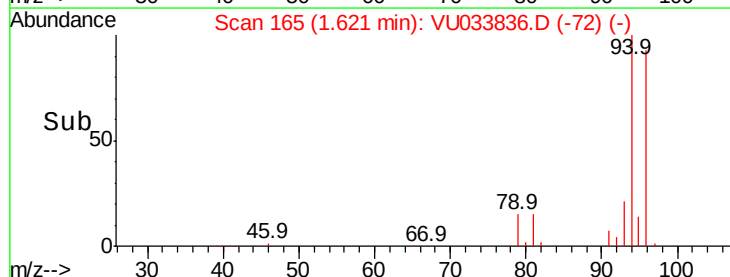
60000

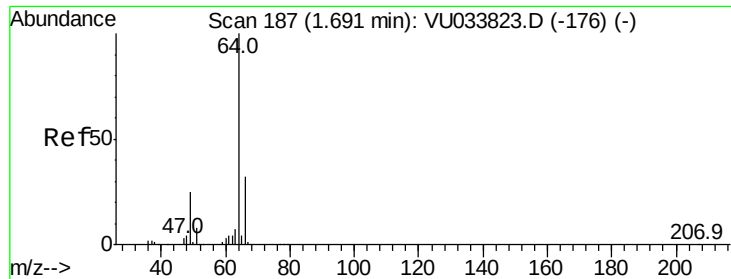
40000

20000

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Time-->

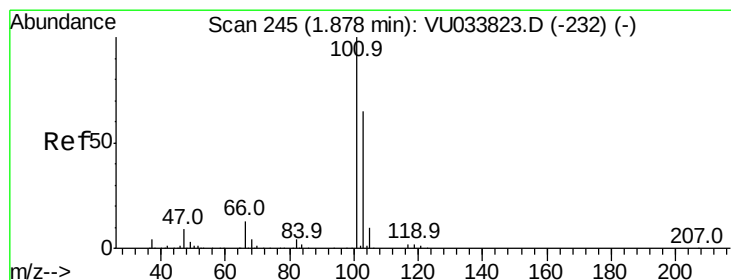
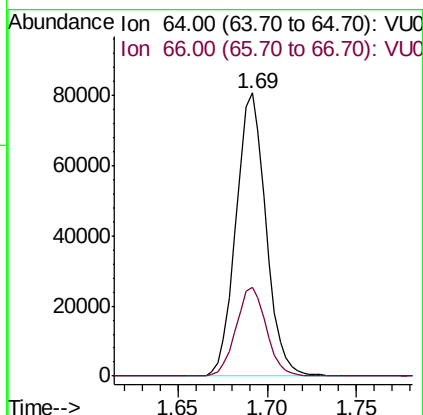
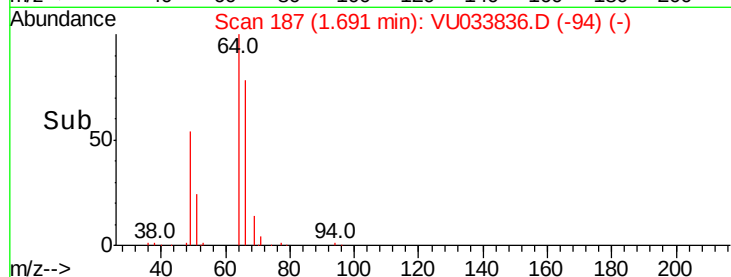
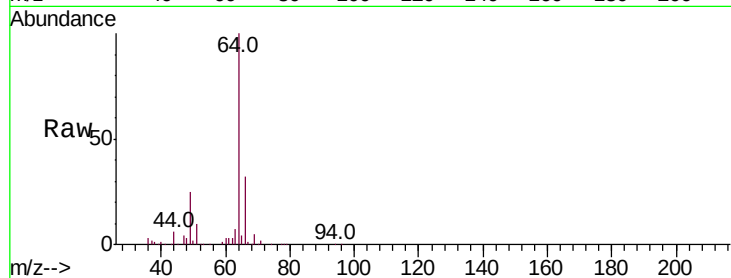




#8
Chloroethane
Concen: 5.420 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

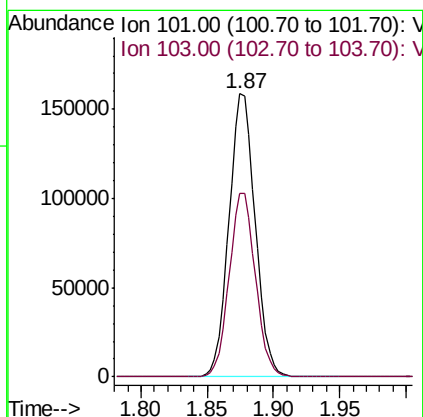
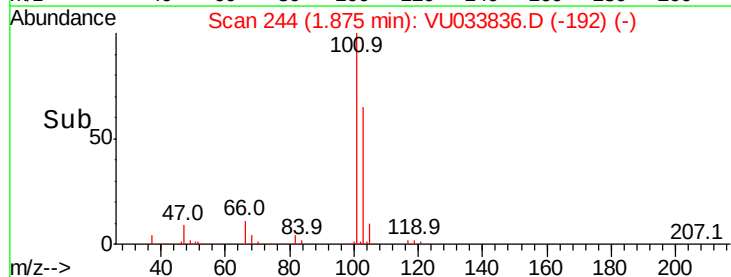
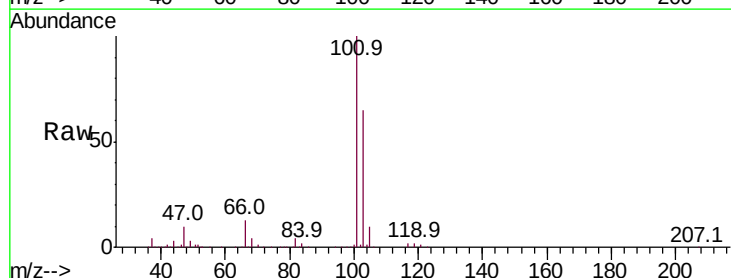
Instrument :
MSVOA_U
ClientSampleId :

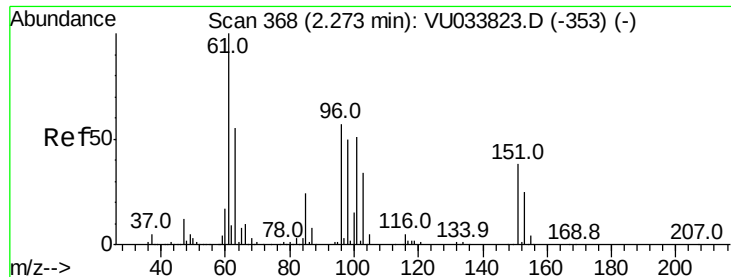
Tot Ion: 64 Resp: 94653
Ion Ratio Lower Upper
64 100
66 31.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 5.387 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion:101 Resp: 218150
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5





#10

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

Concen: 5.558 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampled :

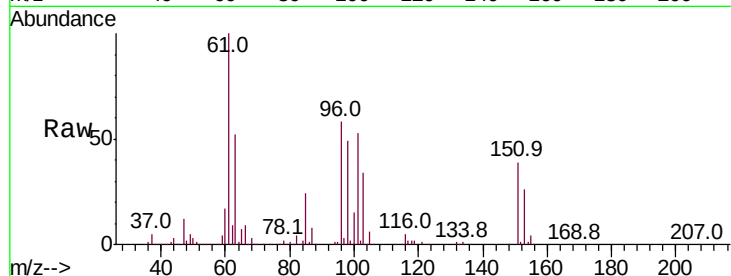
Tot Ion:101 Resp: 119453

Ion Ratio Lower Upper

101 100

85 45.9 36.2 54.2

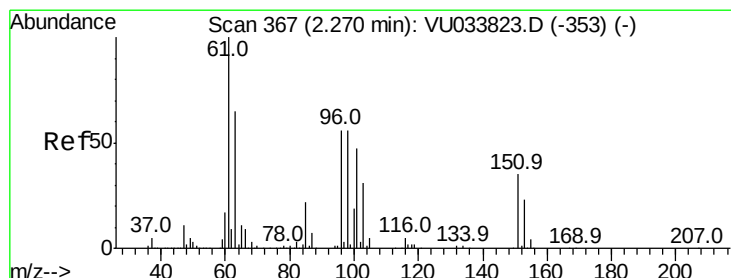
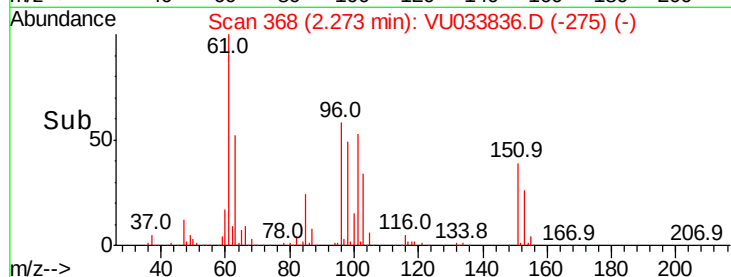
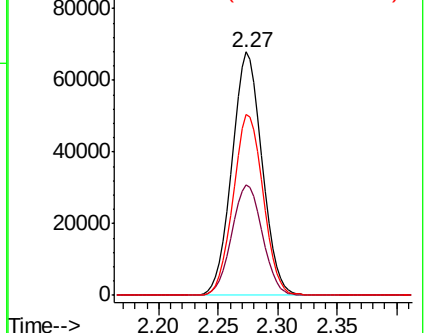
151 73.8 58.7 88.1



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: 5.579 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

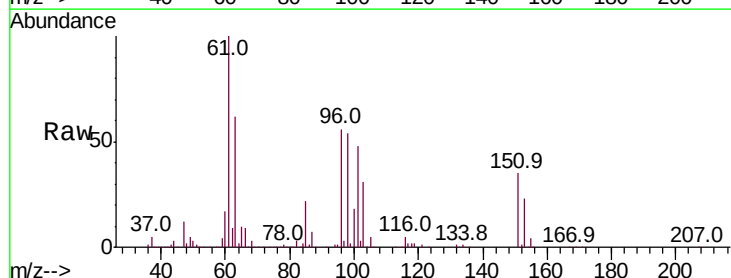
Tgt Ion: 96 Resp: 115869

Ion Ratio Lower Upper

96 100

61 177.2 123.8 230.0

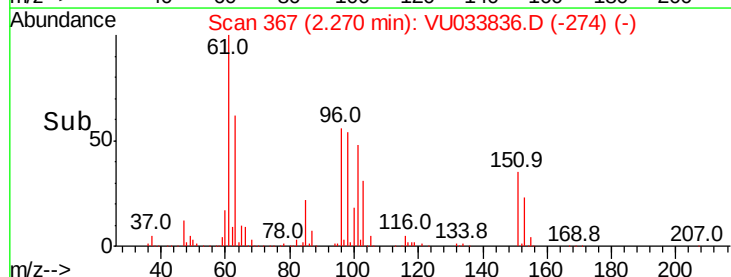
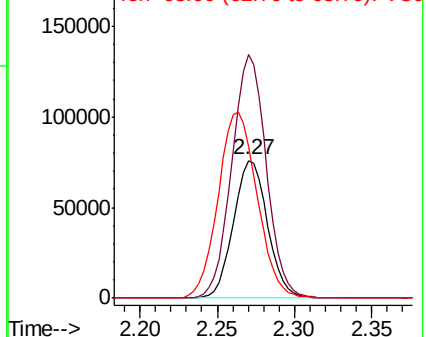
63 110.5 78.0 144.9

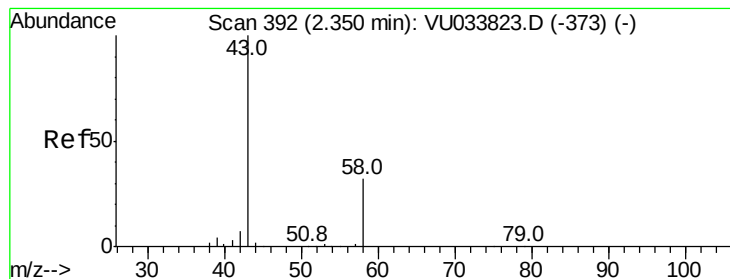


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.519 ug/L

RT: 2.35 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

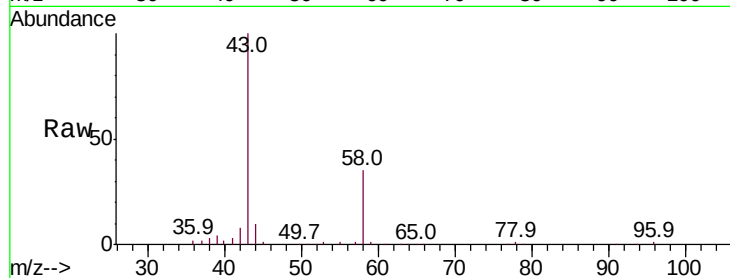
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 233198

Ion Ratio Lower Upper

43 100

58 33.5 0.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU033823.D (-373) (-)

Ion 58.00 (57.70 to 58.70): VU033823.D (-373) (-)

2.35

50000

40000

30000

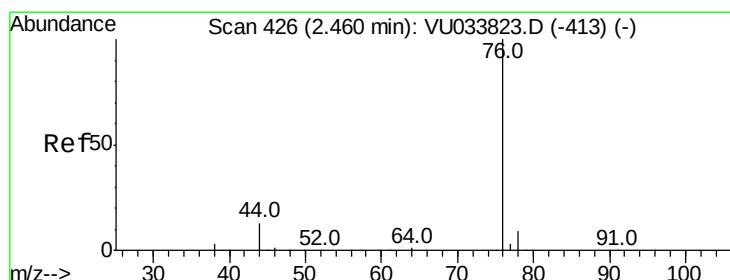
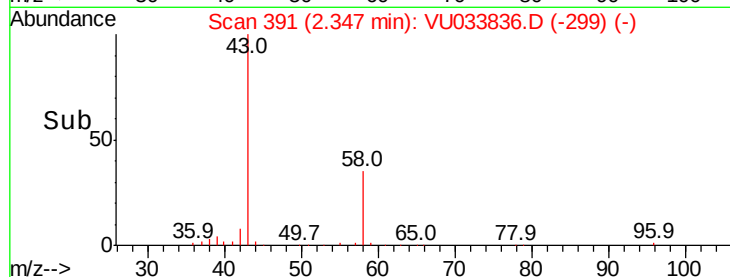
20000

10000

0

2.20 2.30 2.40 2.50 2.60

Time-->



#14

Carbon disulfide

Concen: 5.347 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033836.D

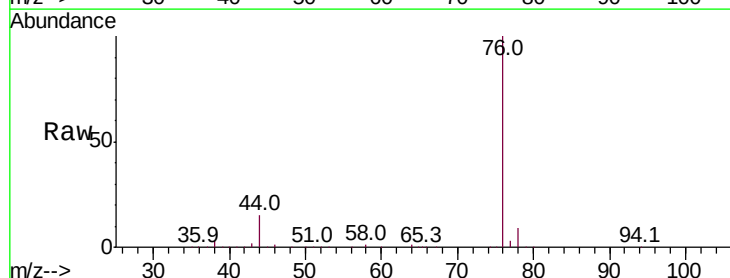
Acq: 19 Aug 2019 08:48

Tgt Ion: 76 Resp: 377063

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033823.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033823.D (-413) (-)

2.46

250000

200000

150000

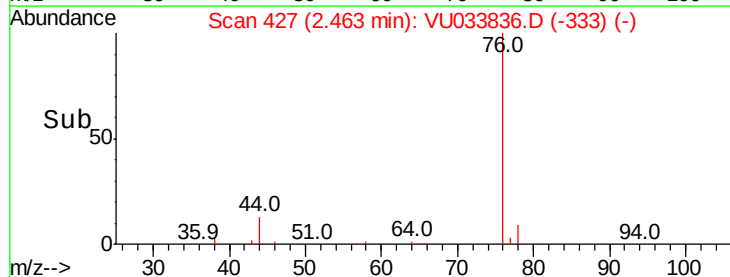
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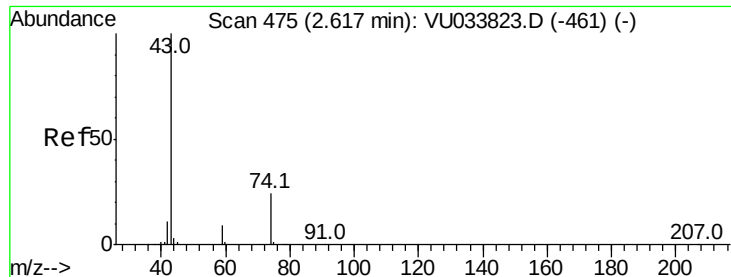
50000

0

2.40 2.50 2.60

Time-->

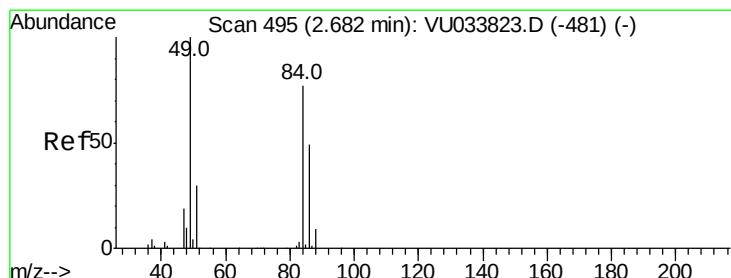
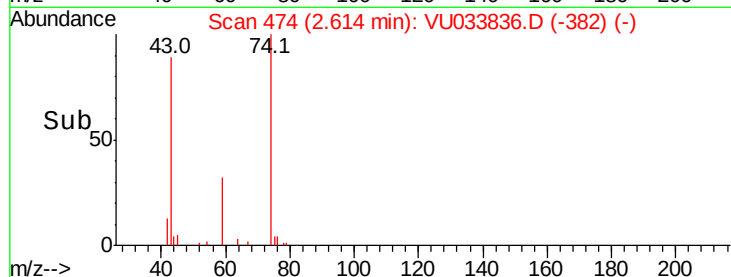
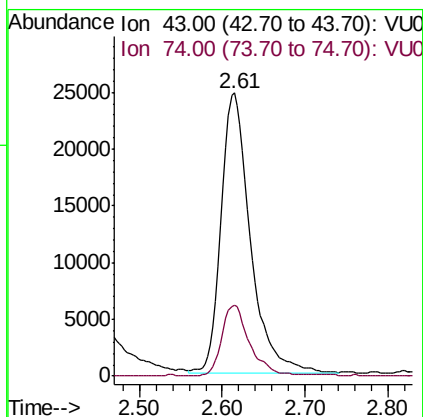
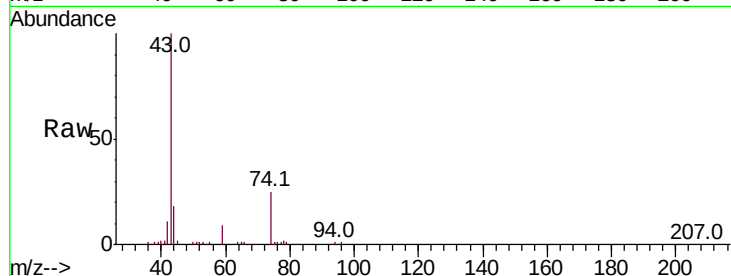




#15
Methvl Acetate
Concen: 5.497 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

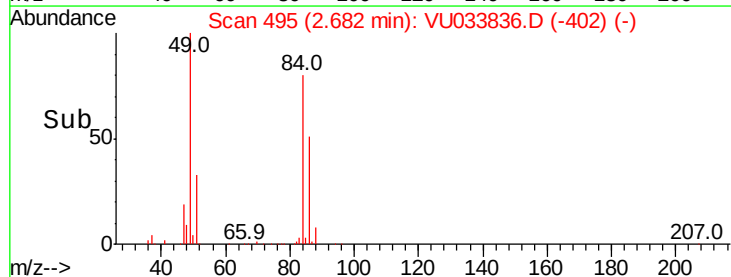
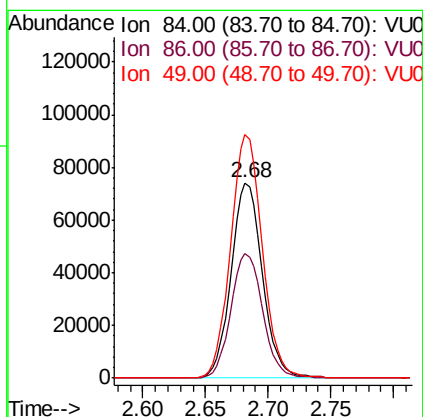
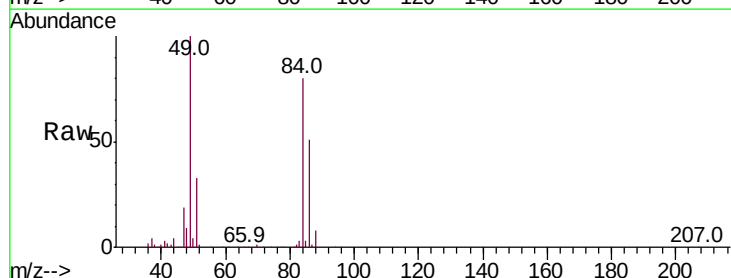
Instrument :
MSVOA_U
ClientSampled :

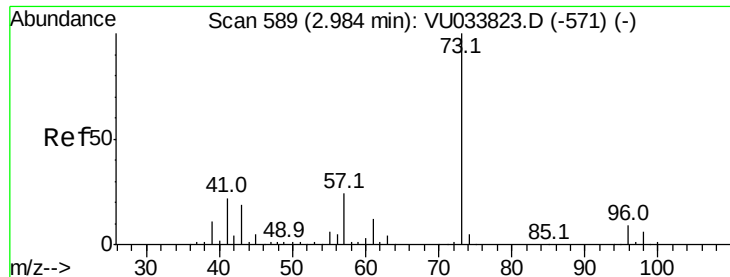
Tot Ion: 43 Resp: 60024
Ion Ratio Lower Upper
43 100
74 24.4 18.8 28.2



#16
Methylene chloride
Concen: 5.302 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion: 84 Resp: 128557
Ion Ratio Lower Upper
84 100
86 63.5 46.0 85.4
49 124.6 90.4 168.0

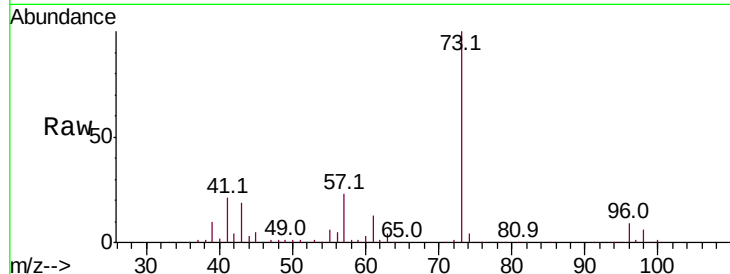




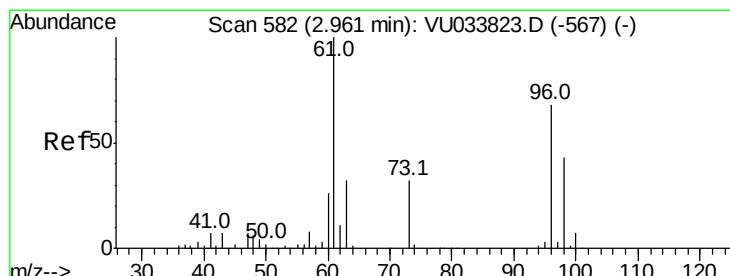
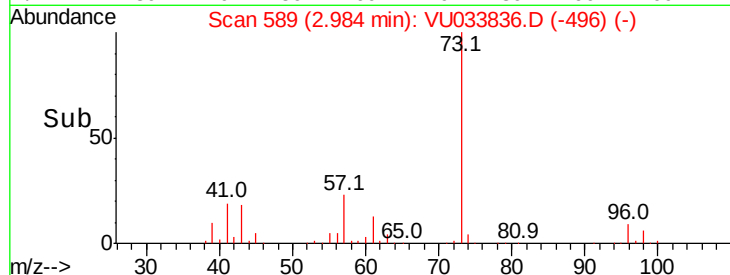
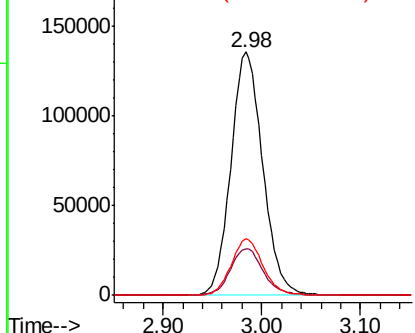
#17
Methyl tert-butyl Ether
Concen: 5.662 ug/L
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 304469
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.4
57 23.1 18.9 28.3

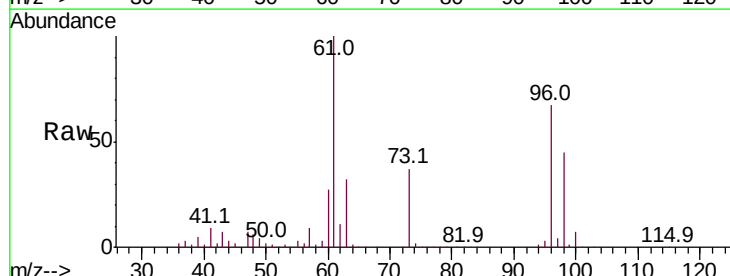


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

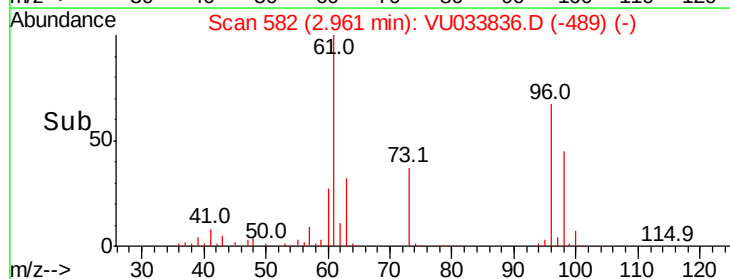
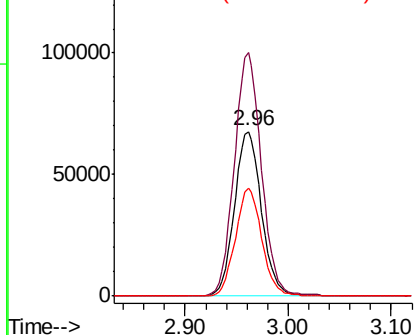


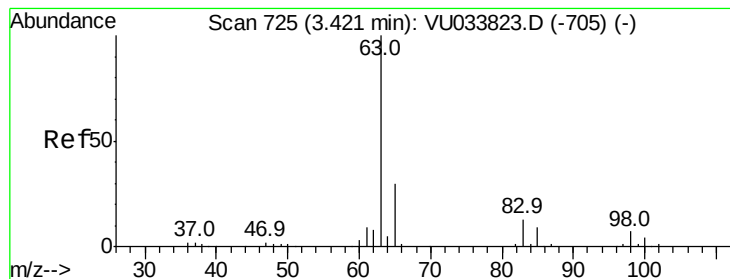
#18
trans-1,2-Dichloroethene
Concen: 5.551 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion: 96 Resp: 123792
Ion Ratio Lower Upper
96 100
61 148.2 107.2 199.0
98 66.0 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#19

1,1-Dichloroethane

Concen: 5.574 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampled :

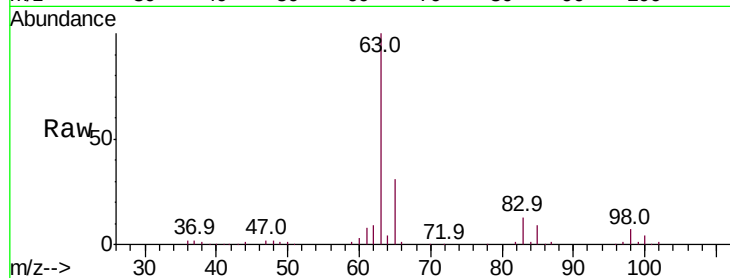
Tot Ion: 63 Resp: 194341

Ion Ratio Lower Upper

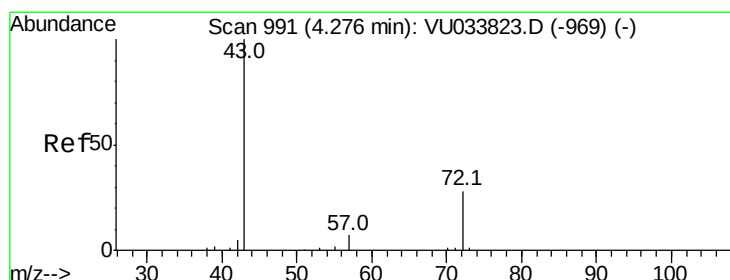
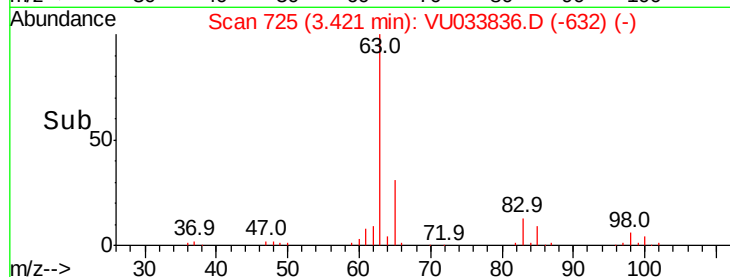
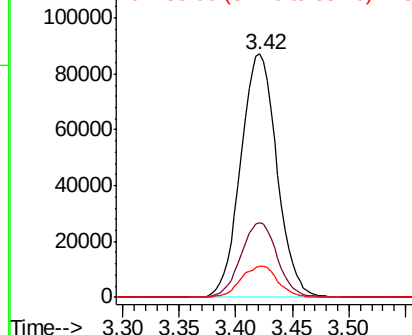
63 100

65 30.7 22.4 41.6

83 12.8 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#21

2-Butanone

Concen: 57.898 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VU033836.D

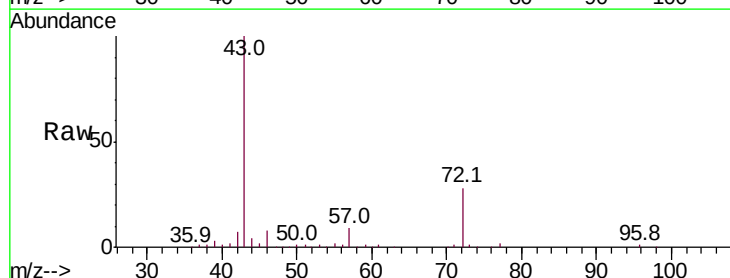
Acq: 19 Aug 2019 08:48

Tgt Ion: 43 Resp: 301091

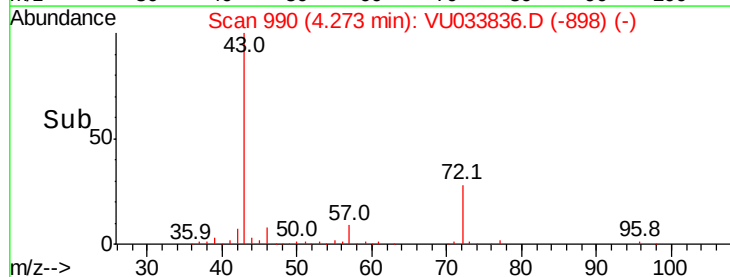
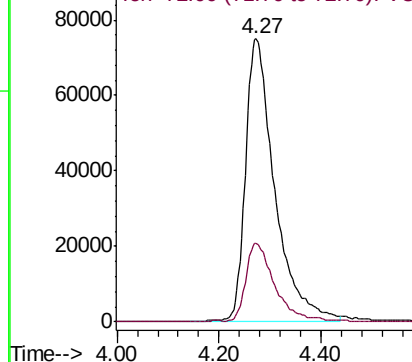
Ion Ratio Lower Upper

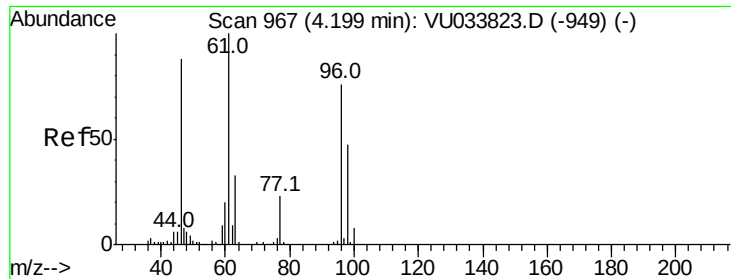
43 100

72 25.9 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0



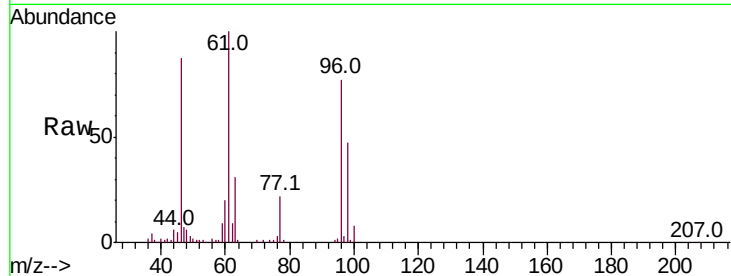


#22

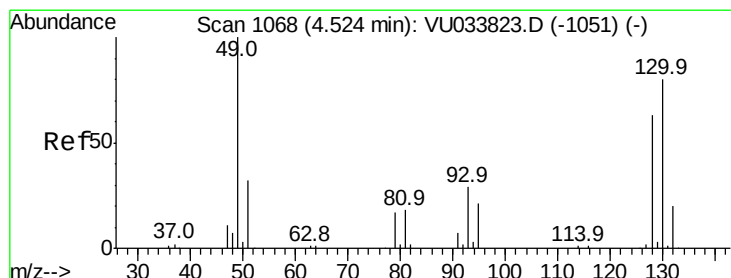
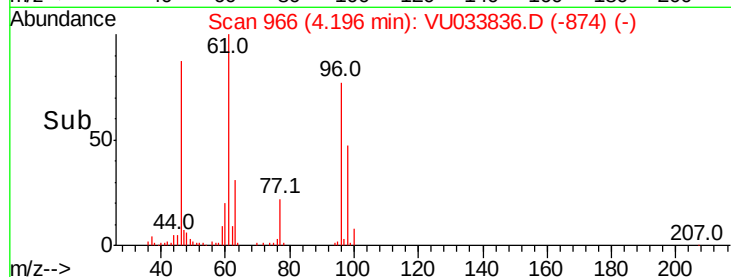
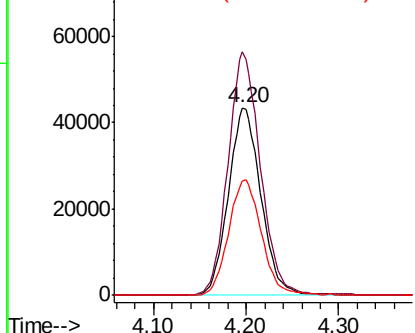
cis-1,2-Dichloroethene
Concen: 5.567 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 105911
Ion Ratio Lower Upper
96 100
61 129.8 91.7 170.3
98 60.8 45.1 83.9



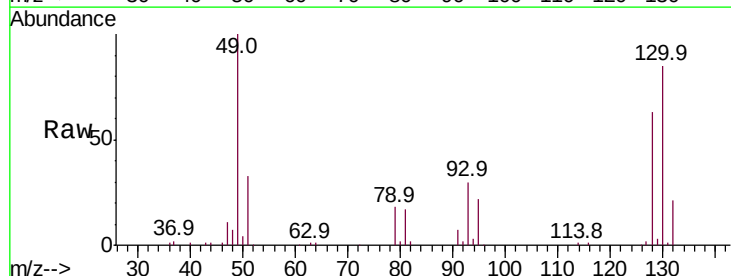
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



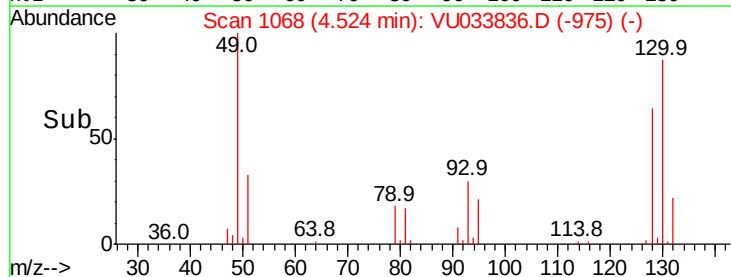
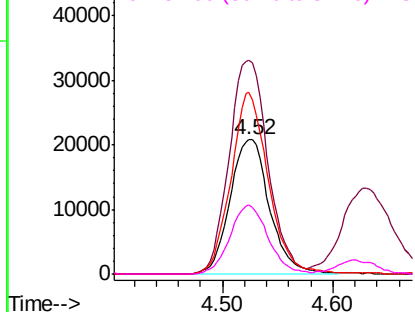
#23

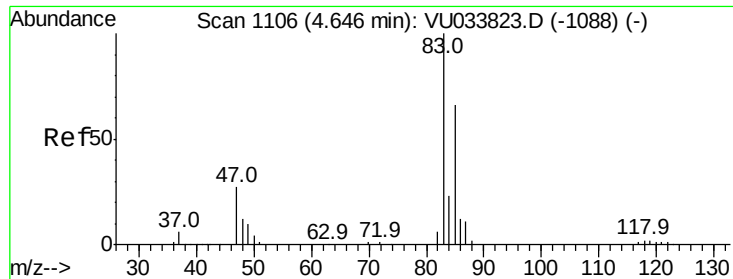
Bromochloromethane
Concen: 5.659 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion: 128 Resp: 51617
Ion Ratio Lower Upper
128 100
49 159.1 106.8 198.4
130 135.7 88.3 164.1
51 51.8 40.3 60.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VU0

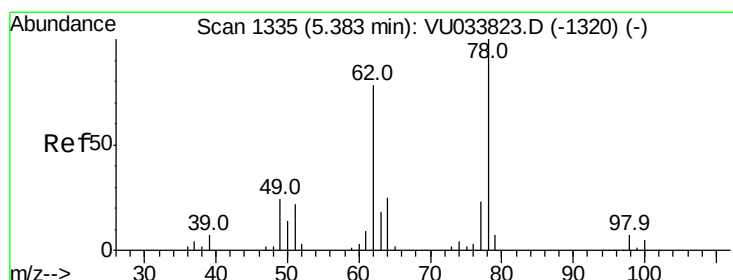
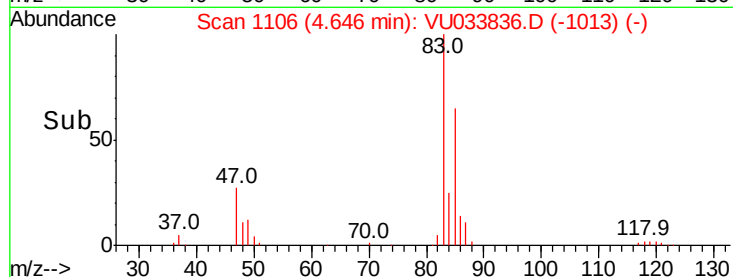
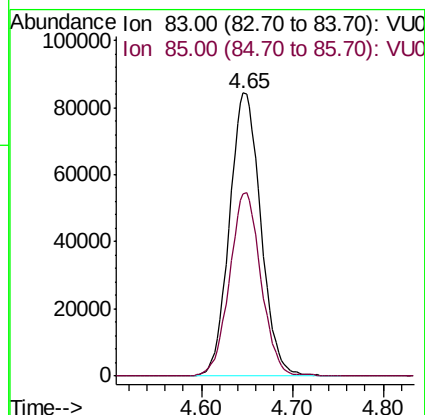
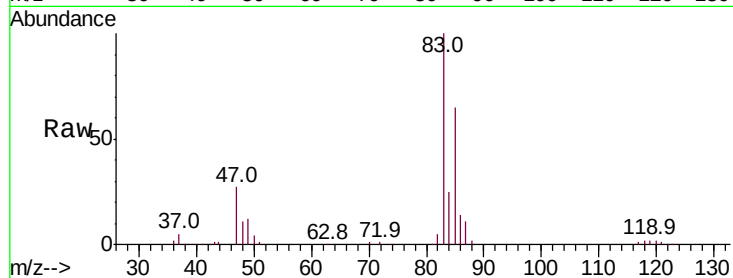




#25
Chloroform
Concen: 5.380 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

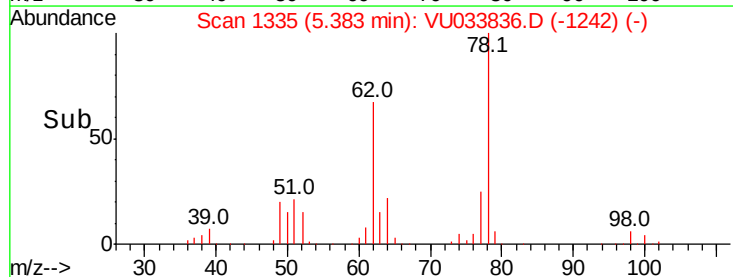
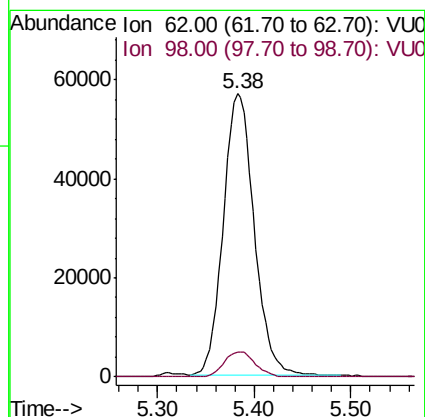
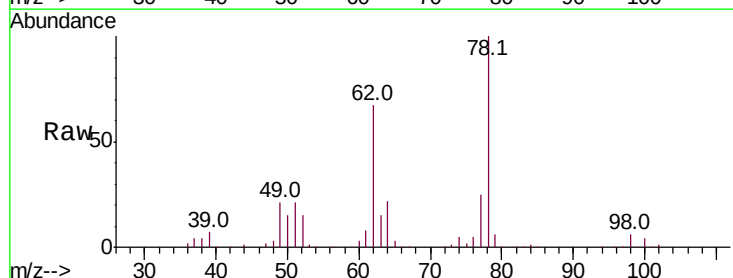
Instrument :
MSVOA_U
ClientSampleId :

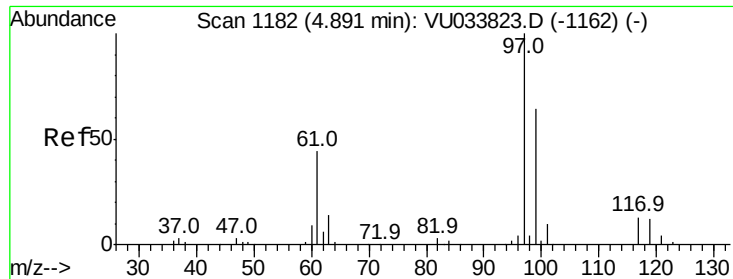
Tot Ion: 83 Resp: 201870
Ion Ratio Lower Upper
83 100
85 64.6 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.470 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion: 62 Resp: 126481
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0

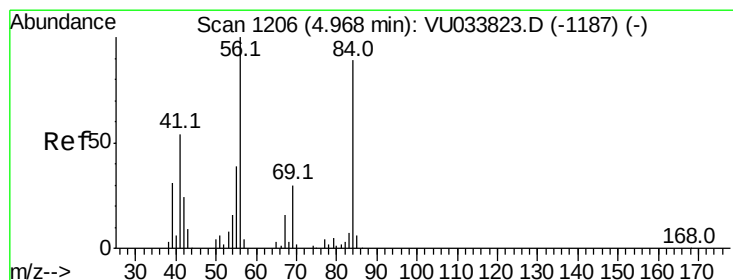
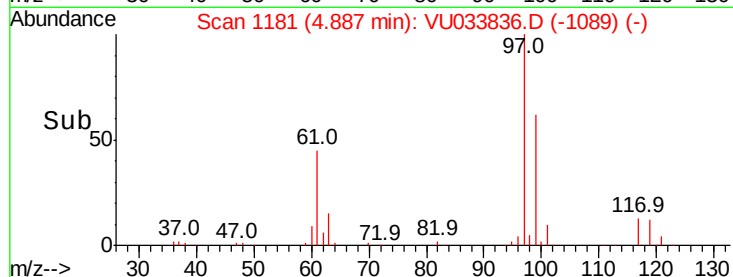
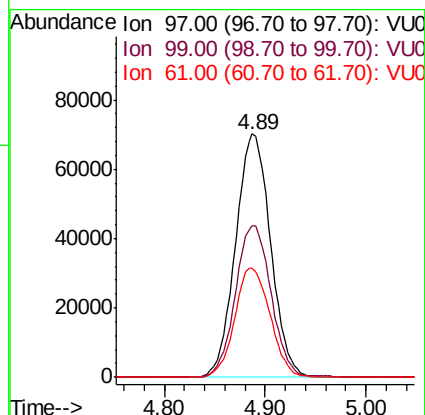
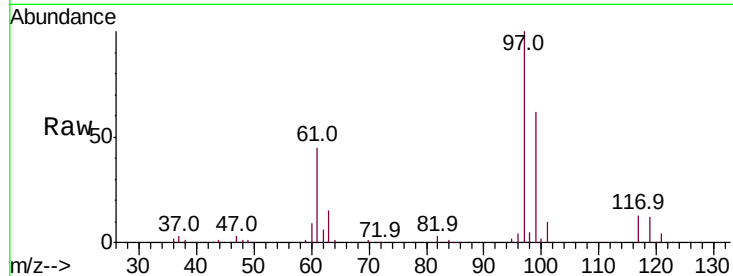




#29
1,1,1-Trichloroethane
Concen: 5.584 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

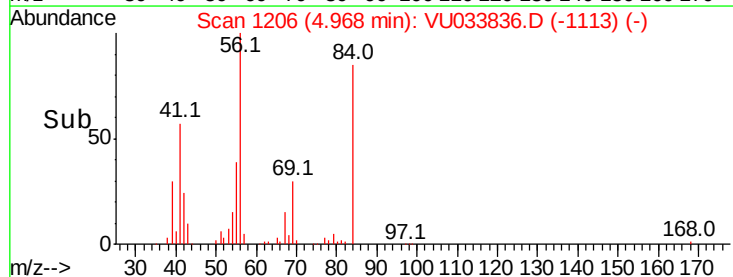
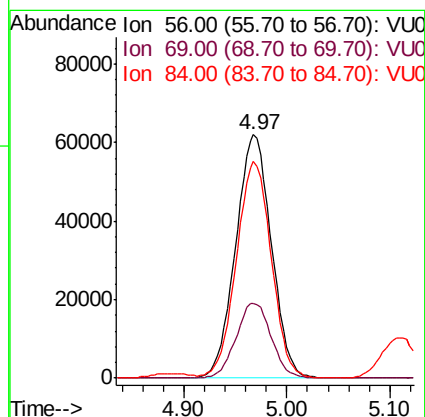
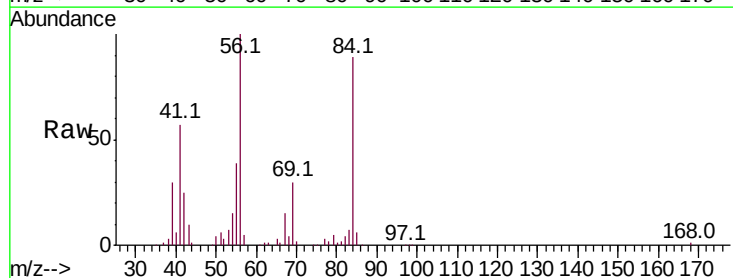
Instrument :
MSVOA_U
ClientSampled :

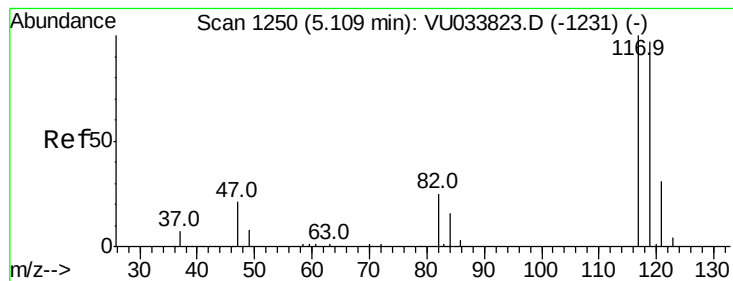
Tot Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.8	76.2
61	45.5	37.4	56.0



#30
Cyclohexane
Concen: 5.433 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.2	37.8
84	86.9	69.8	104.6





#31

Carbon tetrachloride

Concen: 5.636 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

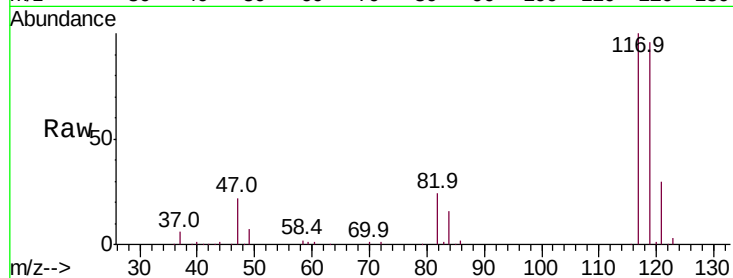
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 152015

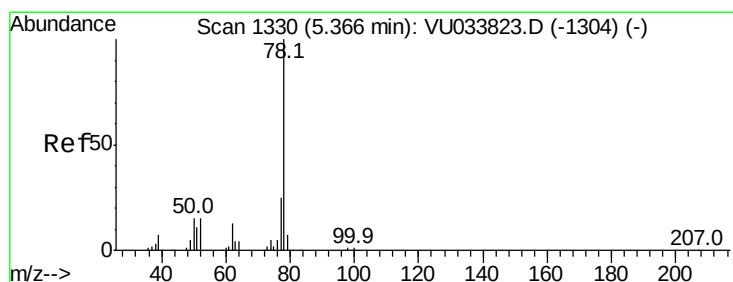
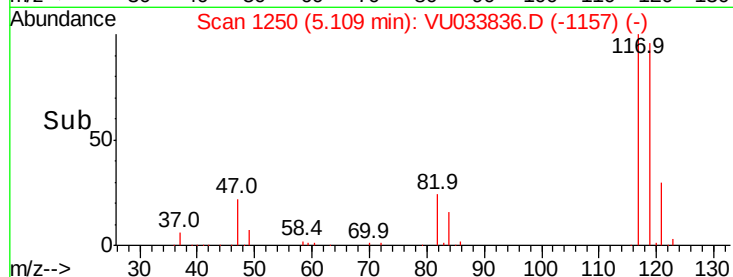
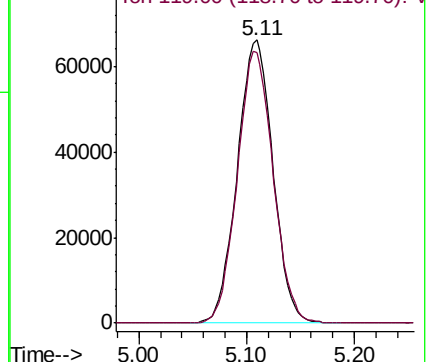
Ion Ratio Lower Upper

117 100

119 96.7 78.5 117.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.590 ug/L

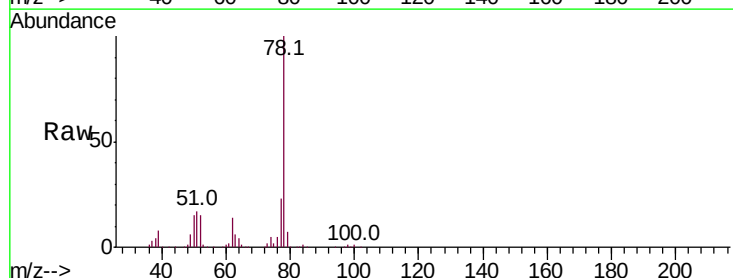
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

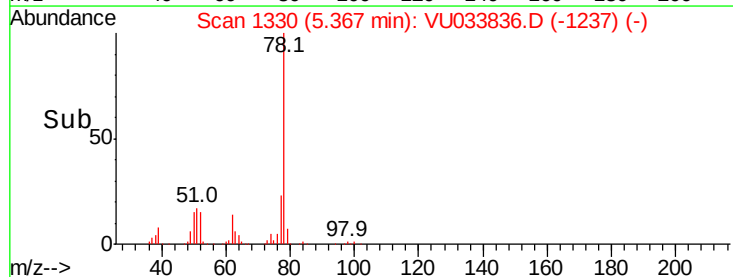
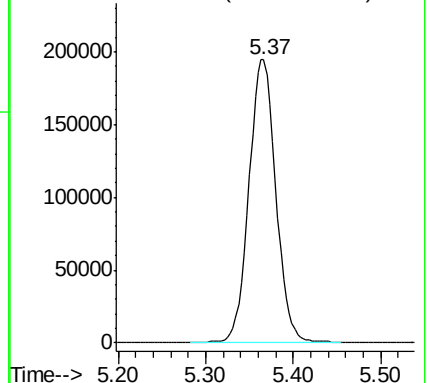
Lab File: VU033836.D

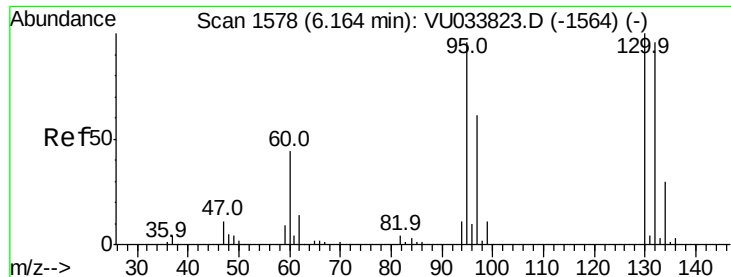
Acq: 19 Aug 2019 08:48

Tgt Ion: 78 Resp: 416461



Abundance Ion 78.00 (77.70 to 78.70): VU0

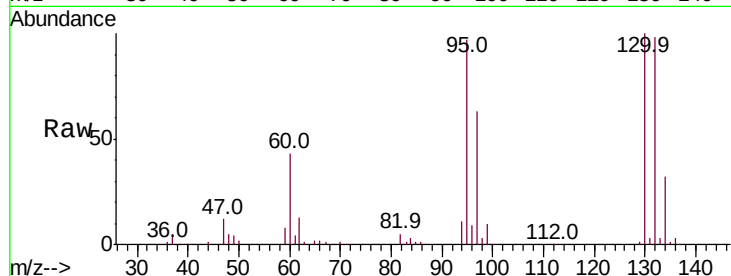




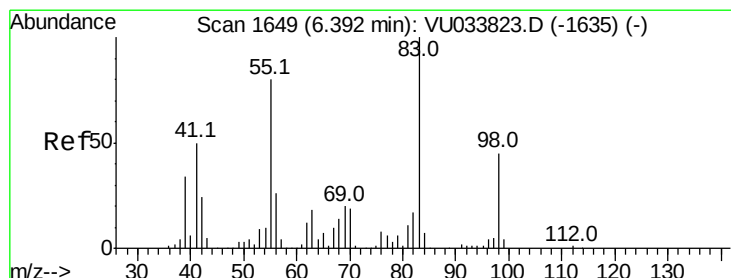
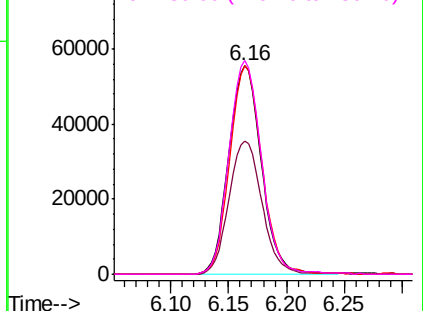
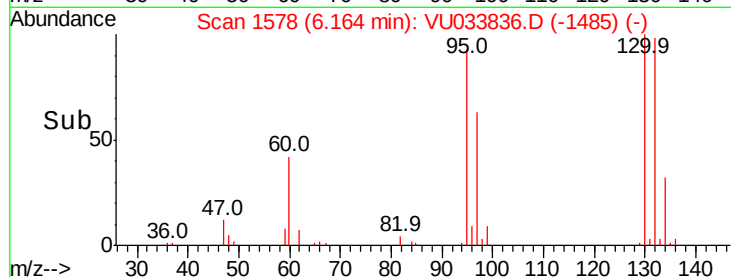
#34
 Trichloroethene
 Concen: 5.528 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	108017
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.4	84.4
132	100.2	68.9	127.9
130	102.6	70.5	130.9

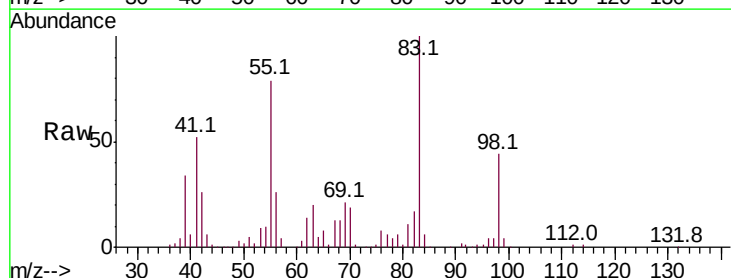


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

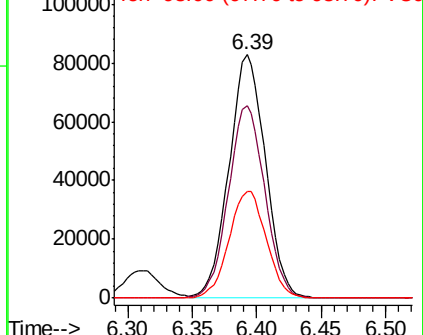
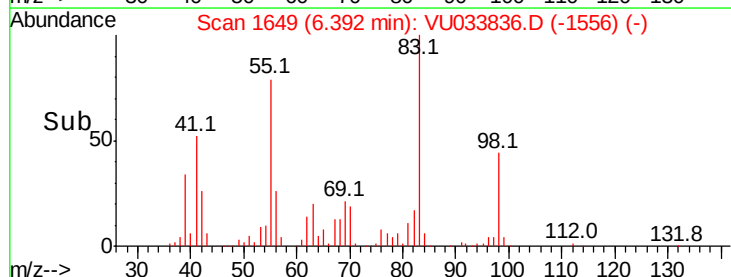


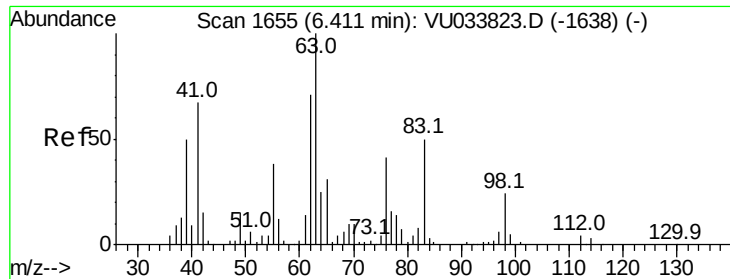
#35
 Methylcyclohexane
 Concen: 5.528 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

Tgt Ion:	83	Resp:	161955
Ion	Ratio	Lower	Upper
83	100		
55	79.6	65.0	97.6
98	45.0	36.2	54.4



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

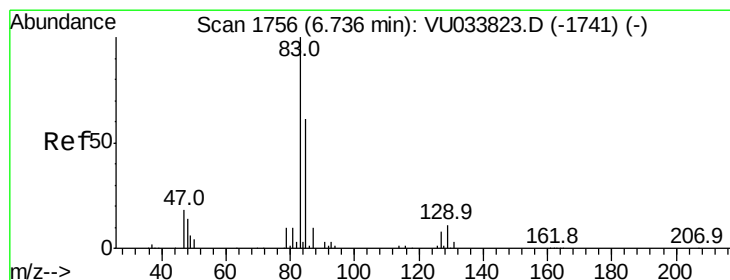
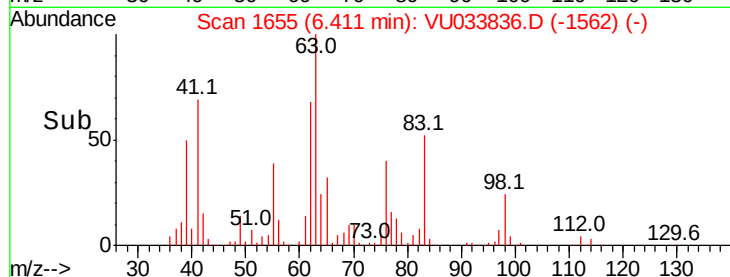
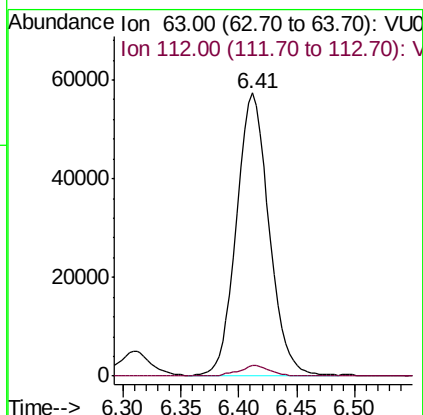
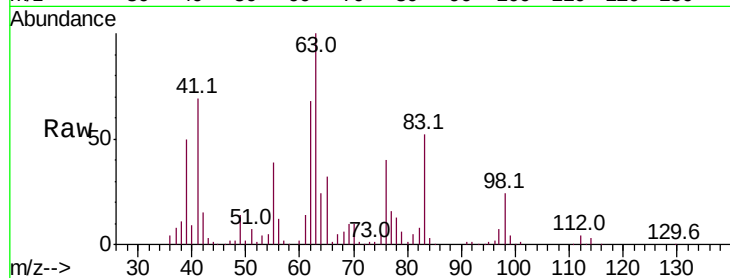




#37
 1,2-Dichloropropane
 Concen: 5.541 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

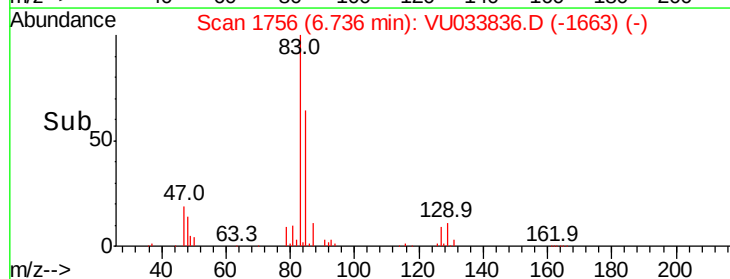
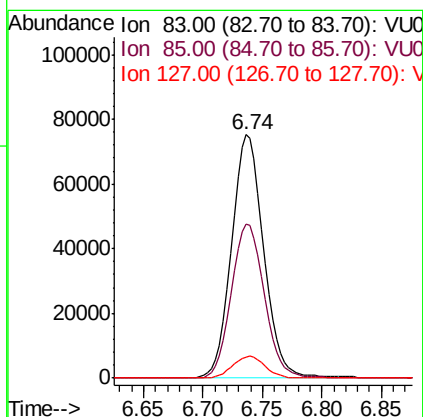
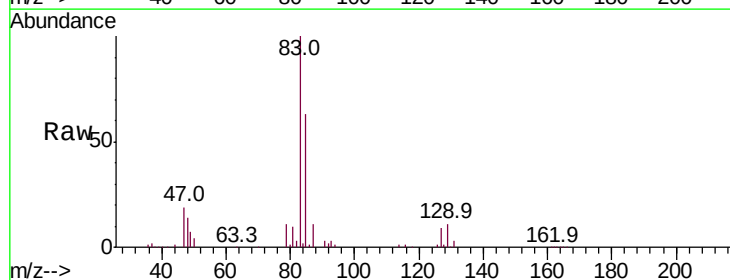
Instrument :
 MSVOA_U
 ClientSampleId :

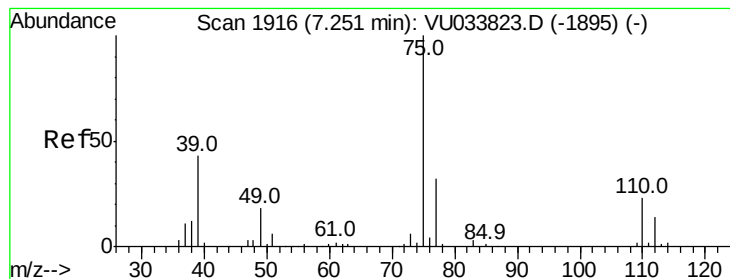
Tot Ion: 63 Resp: 111550
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.539 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

Tgt Ion: 83 Resp: 140607
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.0 83.6
 127 8.7 7.8 11.6



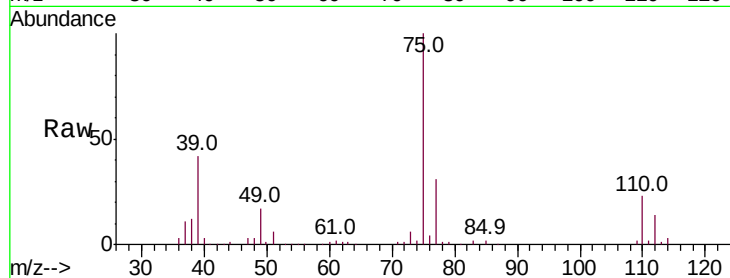


#39

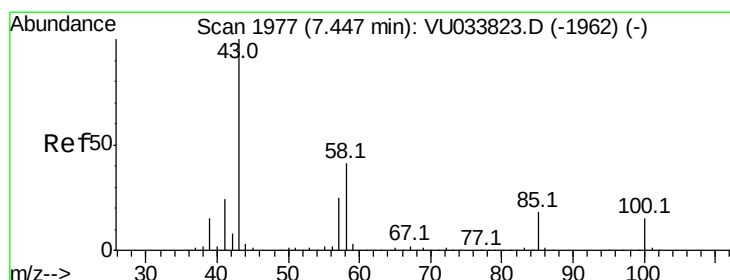
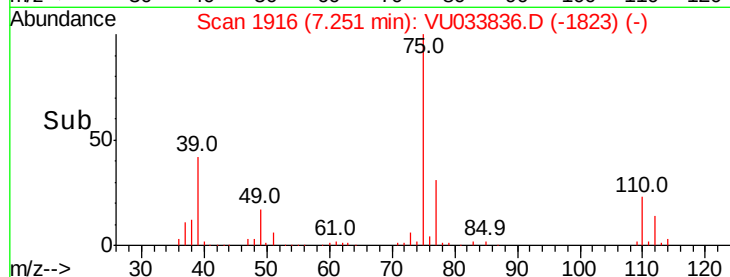
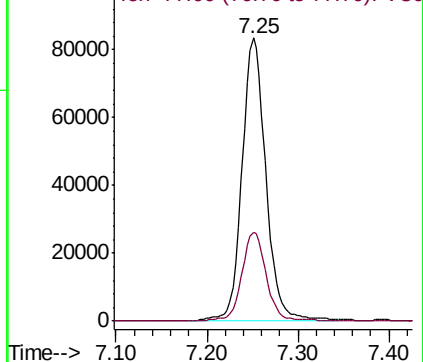
cis-1,3-Dichloropropene
Concen: 5.619 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 152651
Ion Ratio Lower Upper
75 100
77 31.2 23.6 43.8



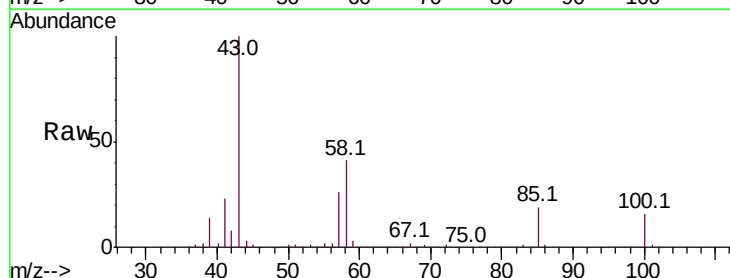
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0



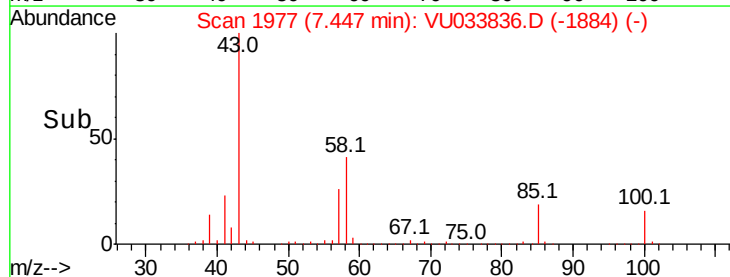
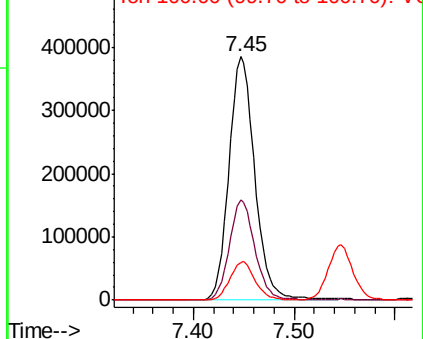
#40

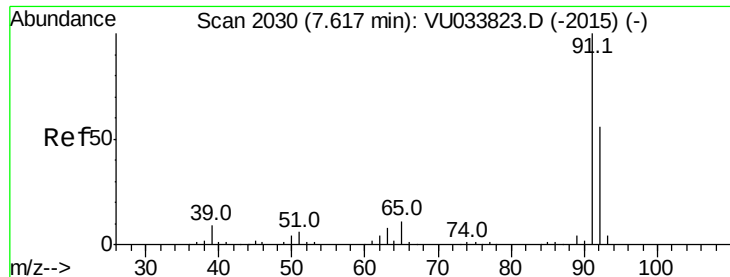
4-Methyl-2-pentanone
Concen: 59.264 ug/L
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion: 43 Resp: 689442
Ion Ratio Lower Upper
43 100
58 40.4 32.2 48.4
100 15.4 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 5.748 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

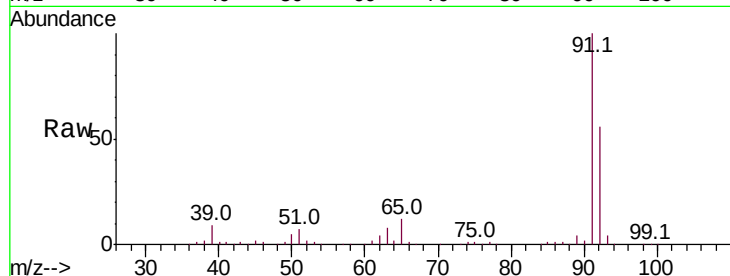
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 449953

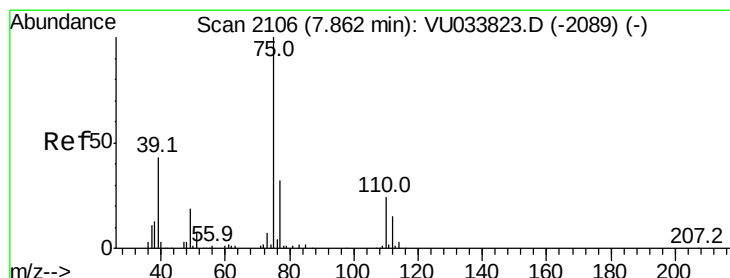
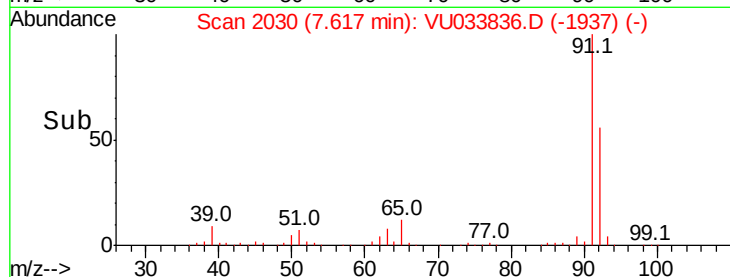
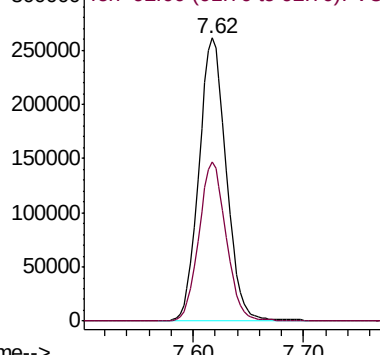
Ion Ratio Lower Upper

91 100

92 56.3 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.671 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033836.D

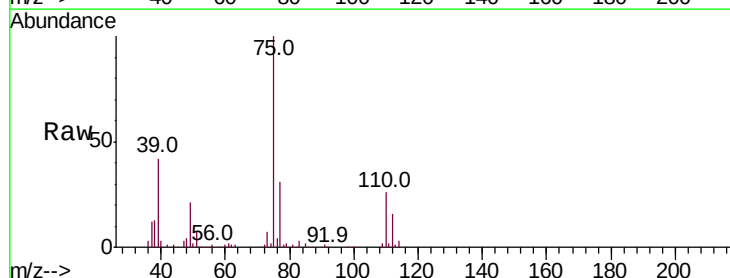
Acq: 19 Aug 2019 08:48

Tgt Ion: 75 Resp: 128806

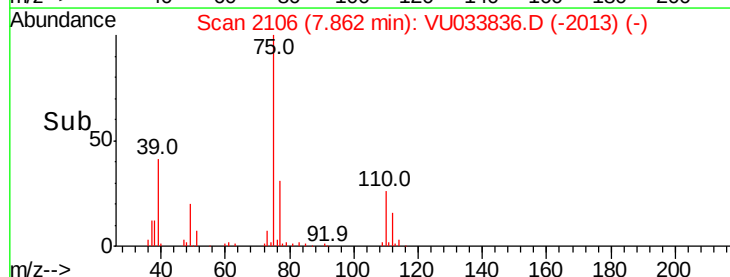
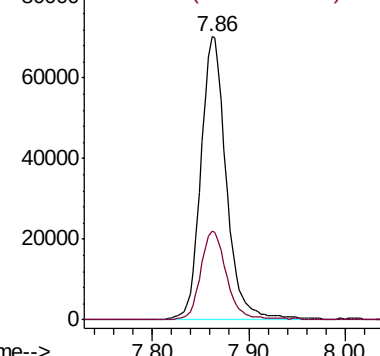
Ion Ratio Lower Upper

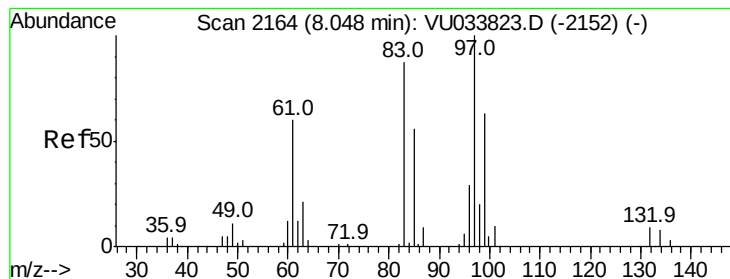
75 100

77 31.2 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 5.671 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 81576

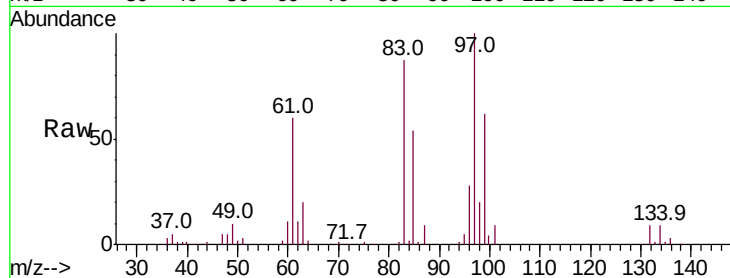
Ion Ratio Lower Upper

97 100

99 61.5 42.6 79.0

83 86.8 59.8 111.1

85 54.4 39.3 72.9

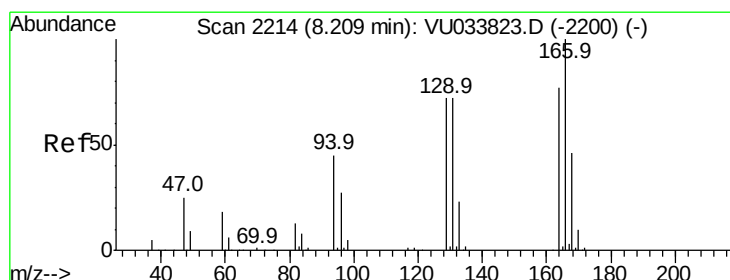
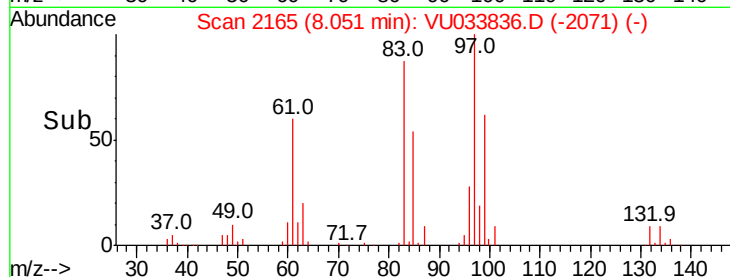
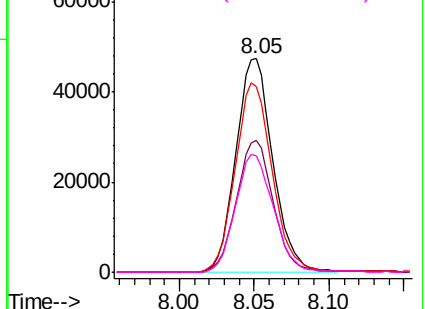


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.567 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

Tgt Ion:164 Resp: 90681

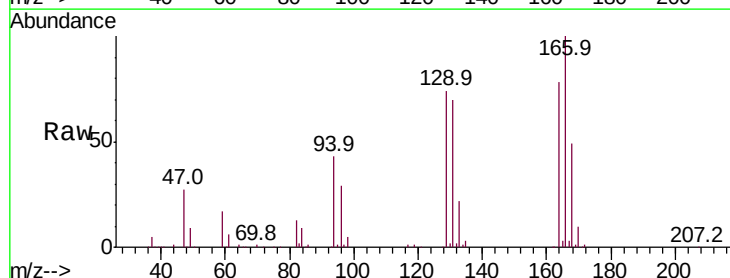
Ion Ratio Lower Upper

164 100

129 95.2 66.1 122.7

131 90.7 65.2 121.2

166 128.7 88.5 164.4

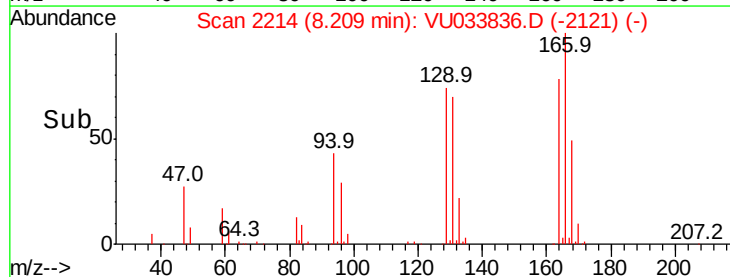
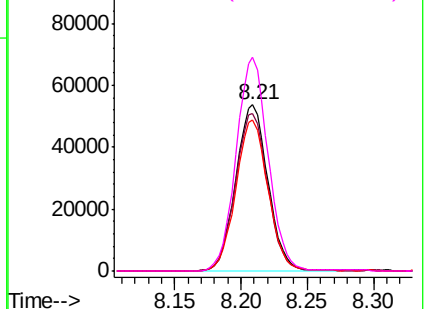


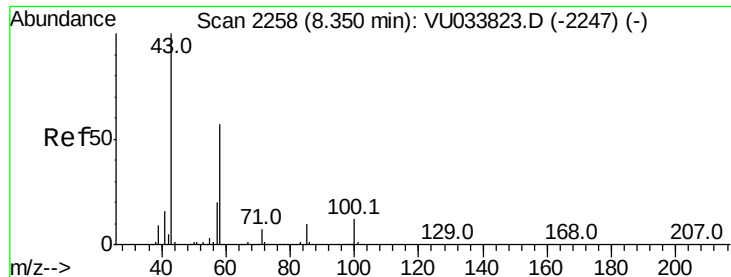
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

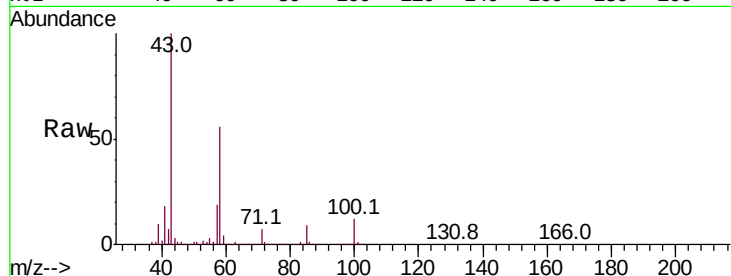




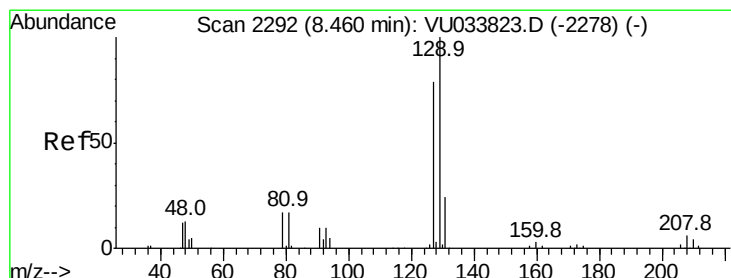
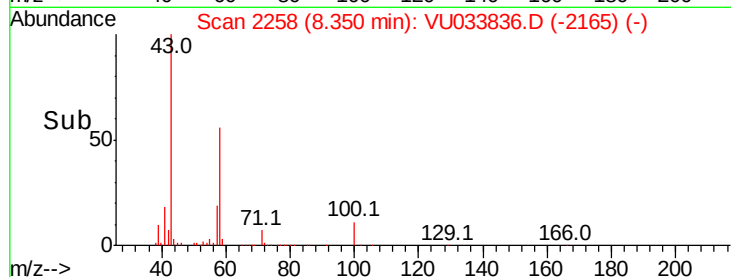
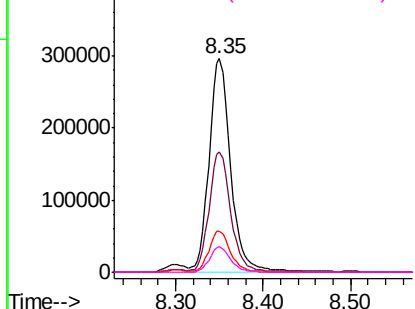
#48
2-Hexanone
Concen: 60.148 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 506045
Ion Ratio Lower Upper
43 100
58 55.8 45.2 67.8
57 19.1 15.7 23.5
100 11.6 8.6 13.0

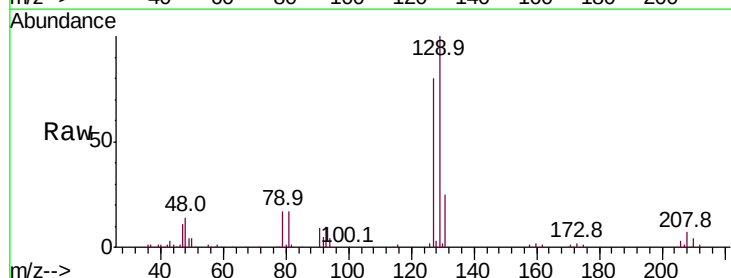


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

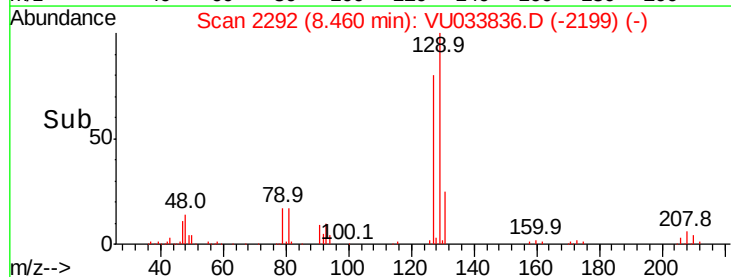
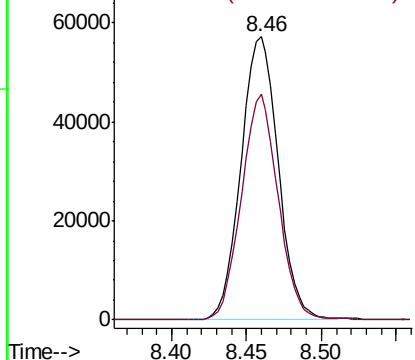


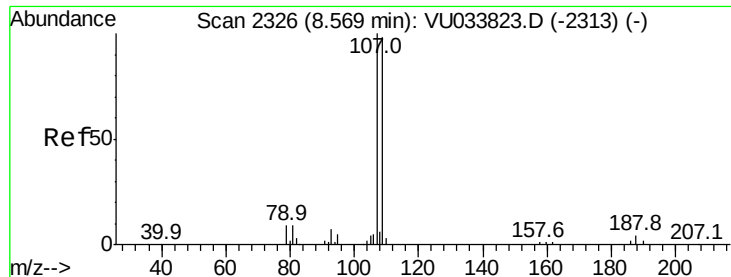
#49
Dibromochloromethane
Concen: 5.703 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion: 129 Resp: 99479
Ion Ratio Lower Upper
129 100
127 79.8 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

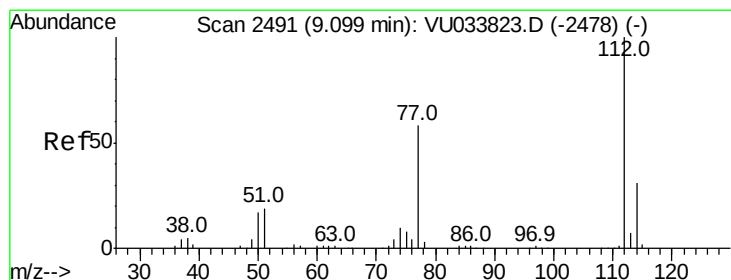
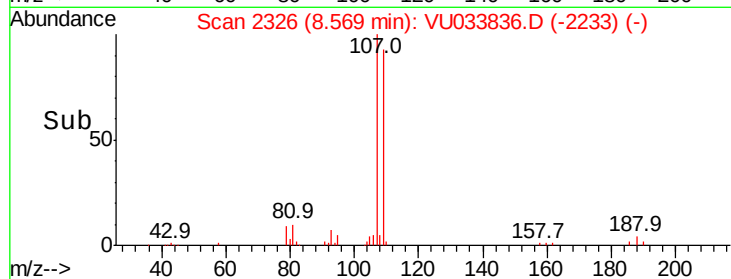
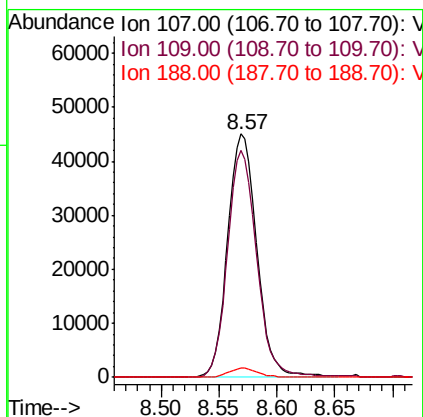
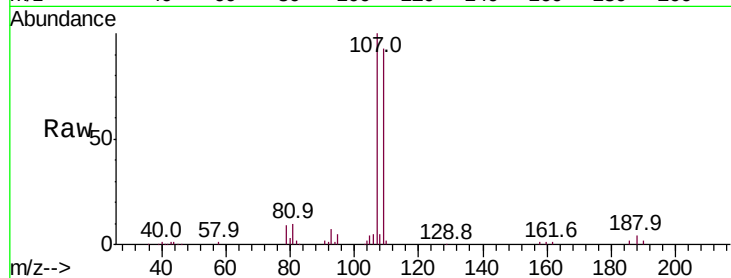




#50
1,2-Dibromoethane
Concen: 5.669 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

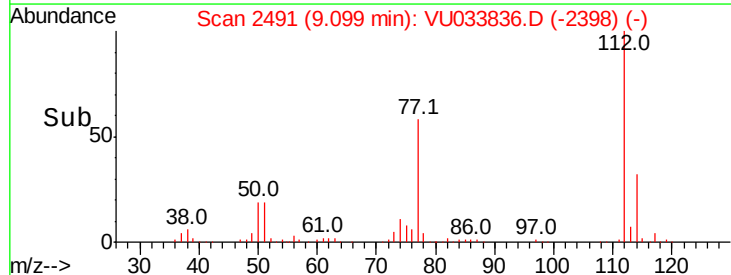
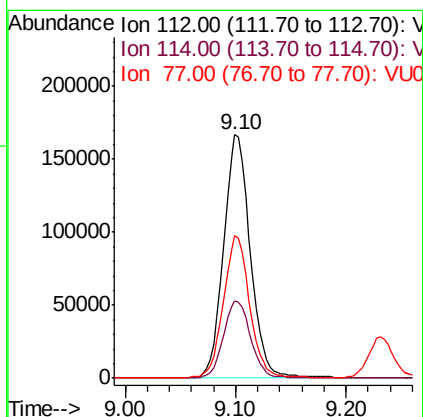
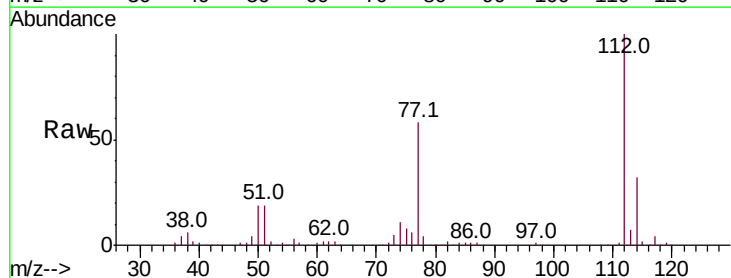
Instrument :
MSVOA_U
ClientSampleId :

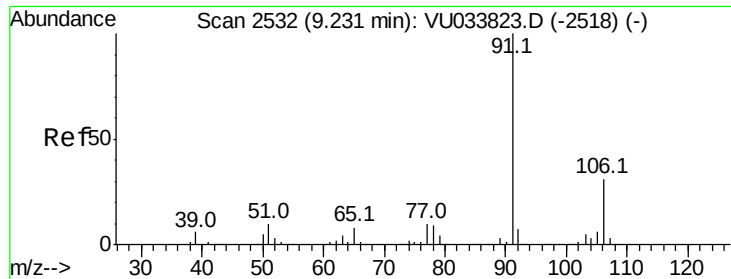
Tot Ion:107 Resp: 78841
Ion Ratio Lower Upper
107 100
109 93.4 68.3 126.8
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 5.554 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion:112 Resp: 279919
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.7
77 58.5 45.3 67.9





#52

Ethylbenzene

Concen: 5.624 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

Instrument :

MSVOA_U

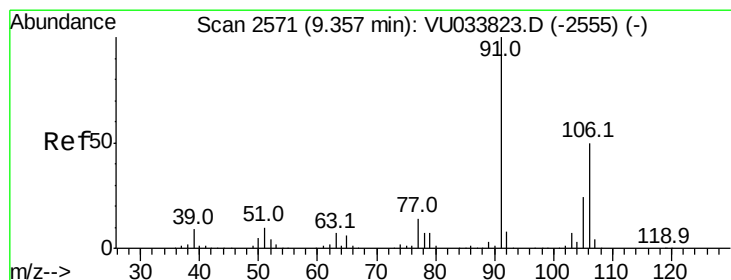
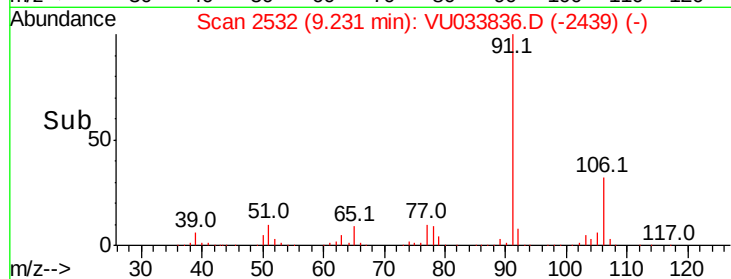
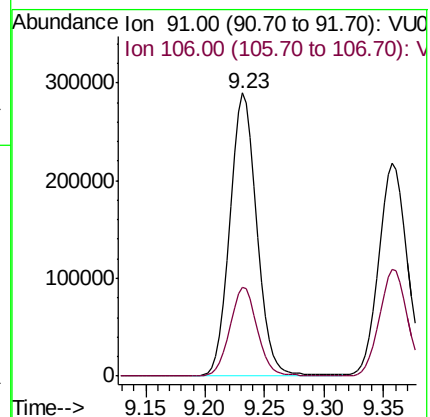
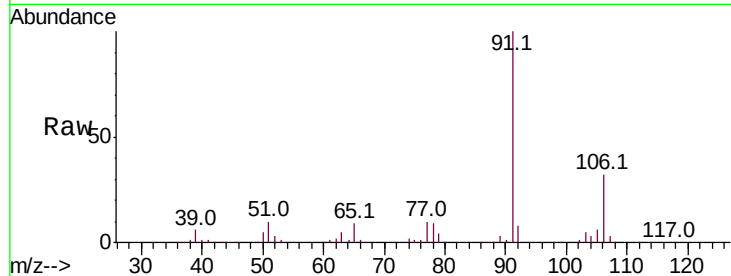
ClientSampleId :

Tot Ion: 91 Resp: 455690

Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.0



#53

m,p-Xylene

Concen: 5.843 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033836.D

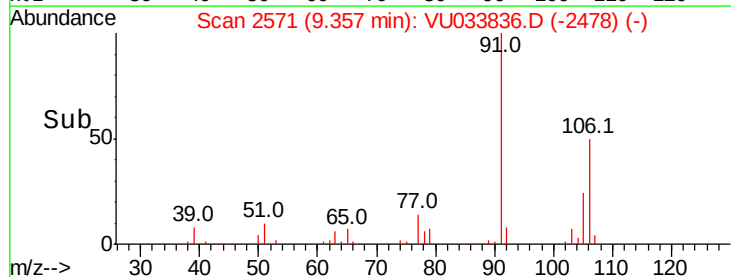
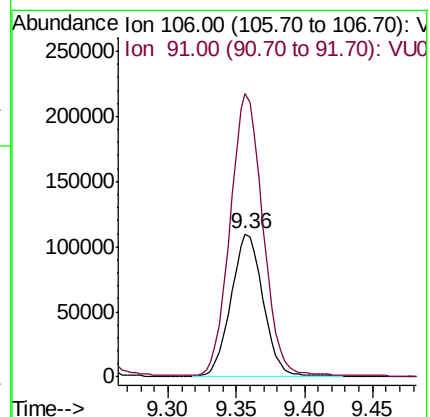
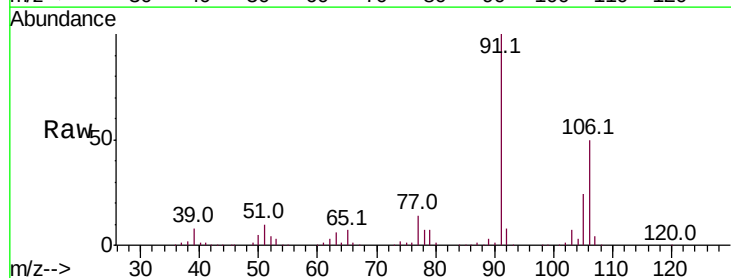
Acq: 19 Aug 2019 08:48

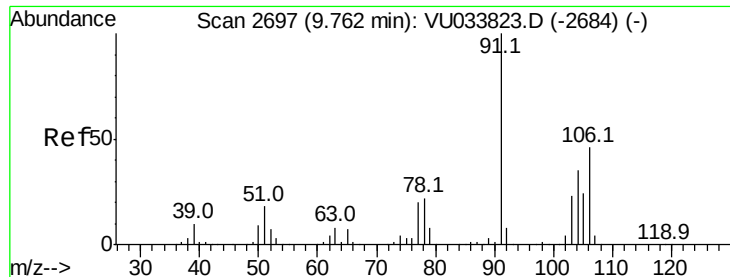
Tgt Ion: 106 Resp: 178534

Ion Ratio Lower Upper

106 100

91 198.2 142.7 265.1

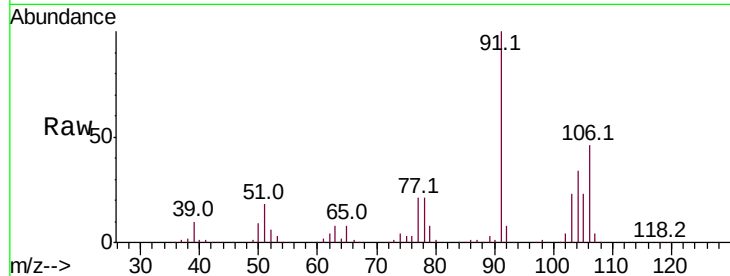




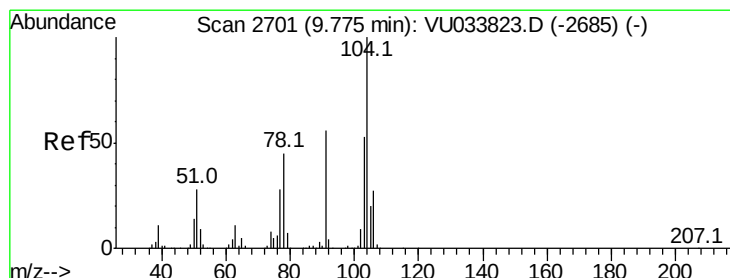
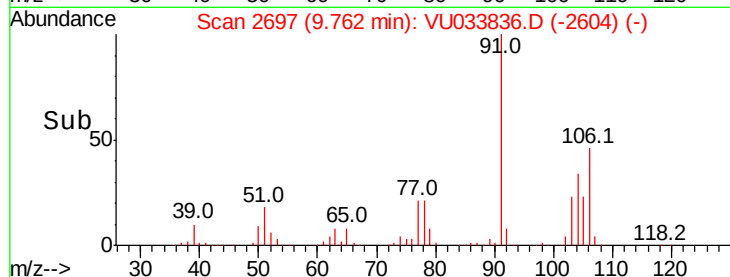
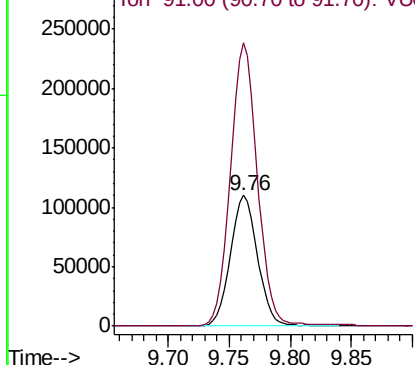
#54
o-Xylene
Concen: 5.917 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 171626
Ion Ratio Lower Upper
106 100
91 216.4 149.5 277.7

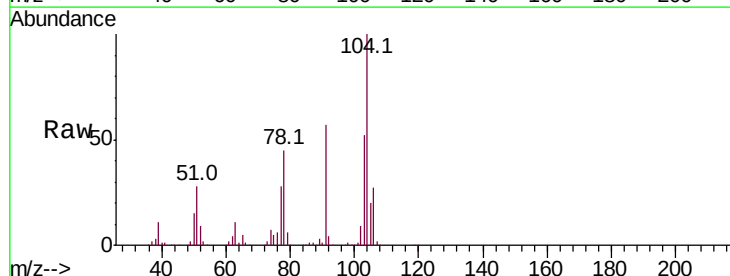


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

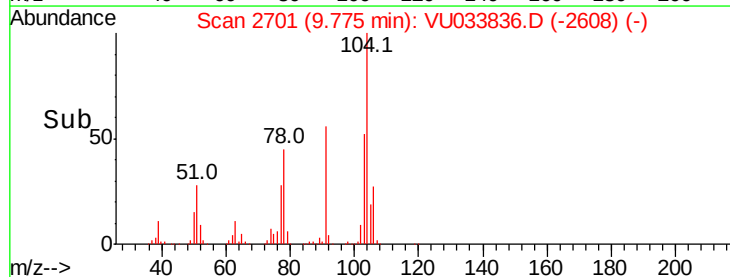
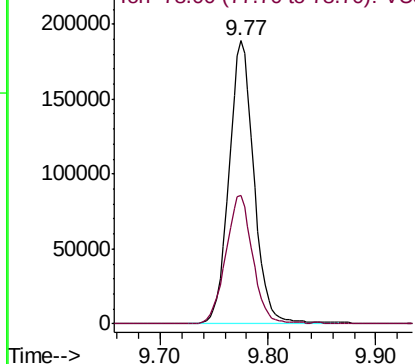


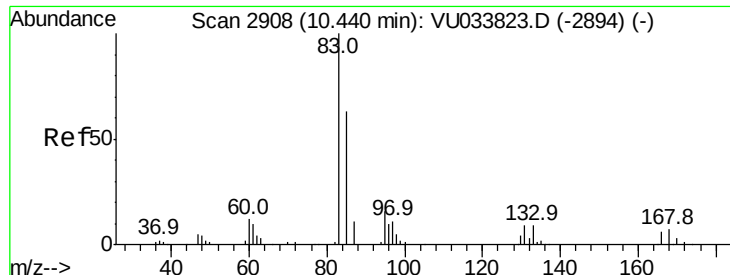
#55
Styrene
Concen: 6.071 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion:104 Resp: 305592
Ion Ratio Lower Upper
104 100
78 45.3 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.490 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampled :

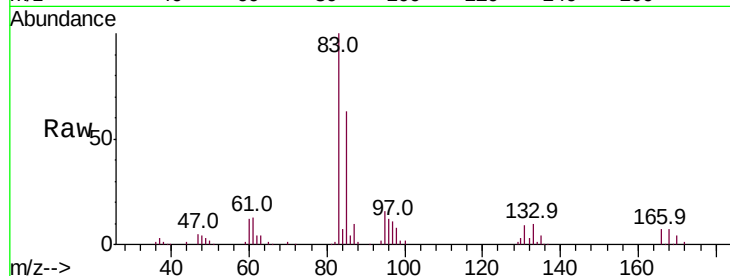
Tot Ion: 83 Resp: 103723

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

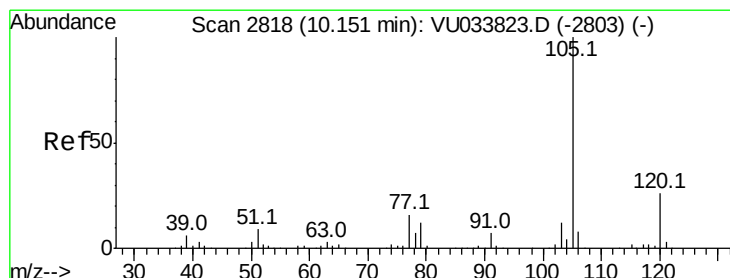
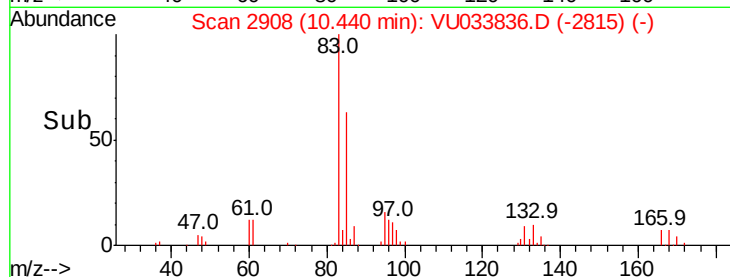
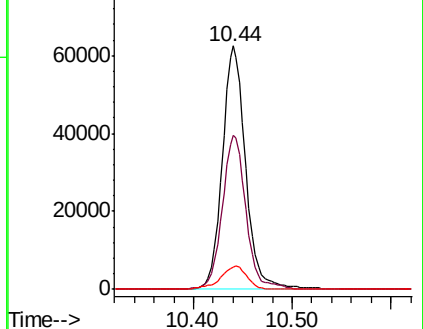
131 9.3 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VU033836.D (-2894) (-)

Ion 85.00 (84.70 to 85.70): VU033836.D (-2894) (-)

Ion 131.00 (130.70 to 131.70): VU033836.D (-2894) (-)



#59

Isopropylbenzene

Concen: 5.755 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

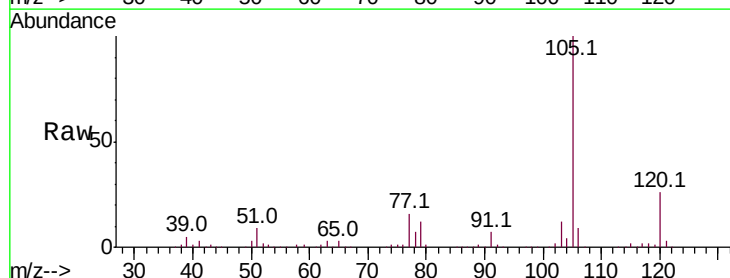
Tgt Ion:105 Resp: 446466

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

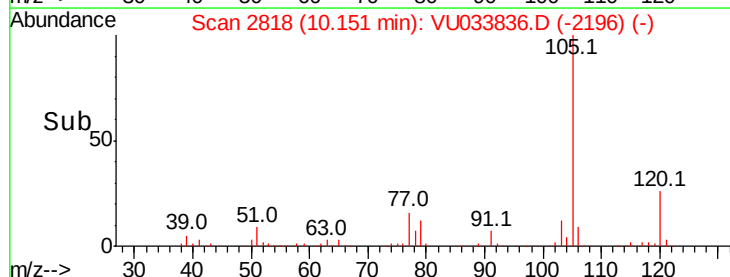
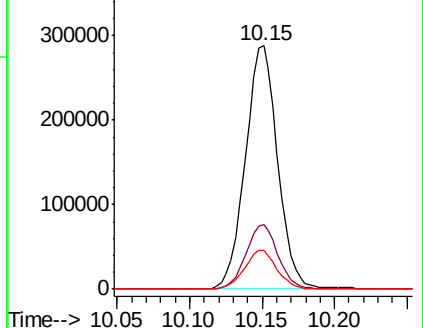
77 16.0 12.8 19.2

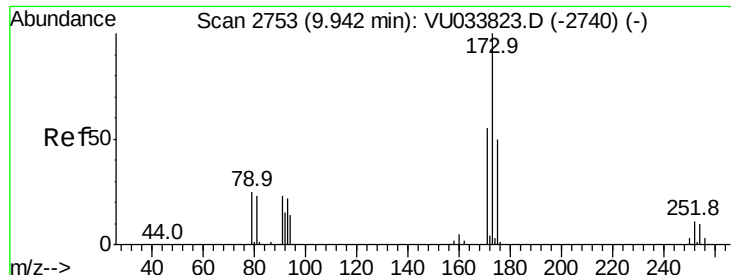


Abundance Ion 105.00 (104.70 to 105.70): VU033836.D (-2803) (-)

Ion 120.00 (119.70 to 120.70): VU033836.D (-2803) (-)

Ion 77.00 (76.70 to 77.70): VU033836.D (-2803) (-)

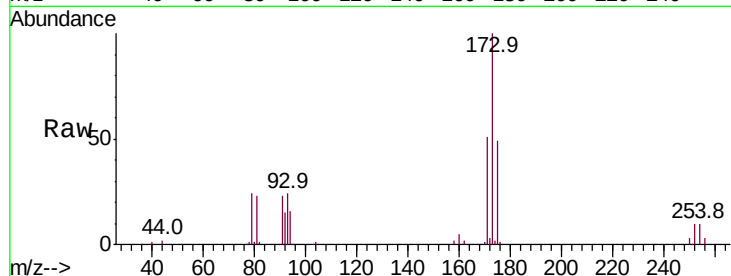




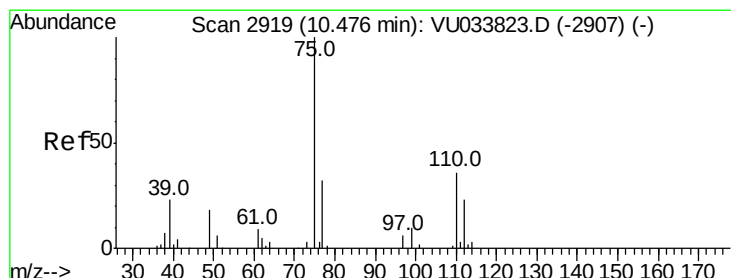
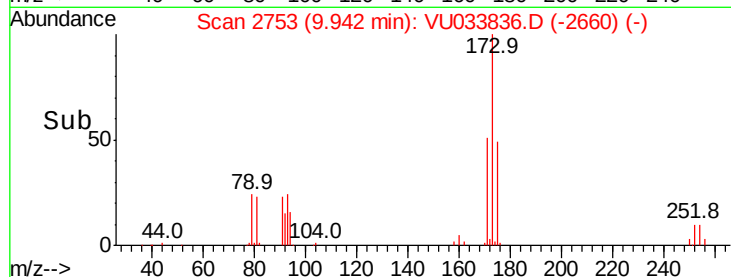
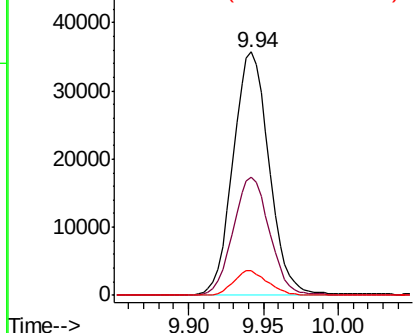
#60
Bromoform
Concen: 5.786 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 60136
Ion Ratio Lower Upper
173 100
175 49.0 36.6 55.0
254 9.6 7.0 10.4

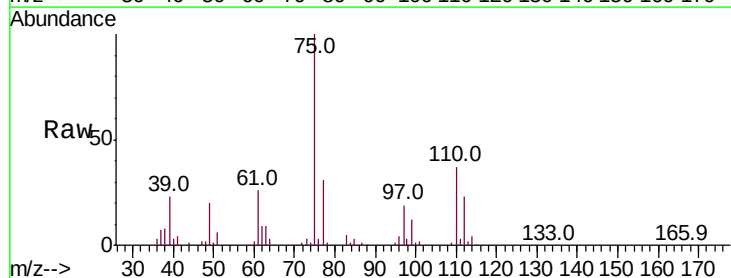


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

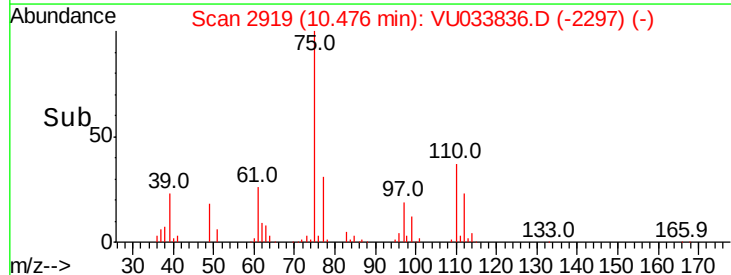
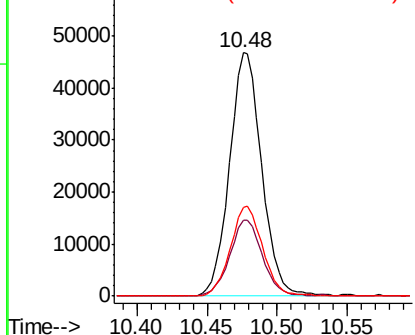


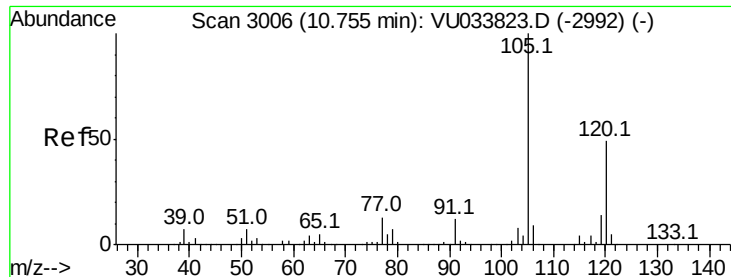
#61
1,2,3-Trichloropropane
Concen: 5.543 ug/L
RT: 10.48 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion: 75 Resp: 74902
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6
110 37.0 28.9 43.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.801 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033836.D

Acq: 19 Aug 2019 08:48

Instrument :

MSVOA_U

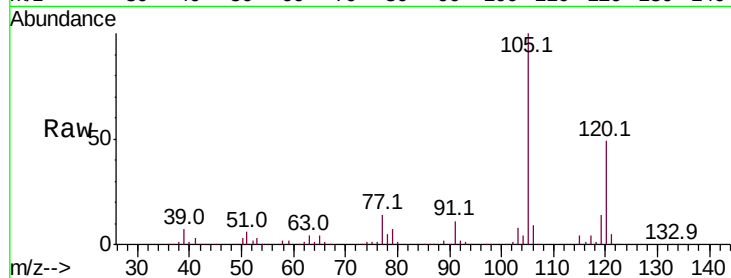
ClientSampleId :

Tot Ion:105 Resp: 365186

Ion Ratio Lower Upper

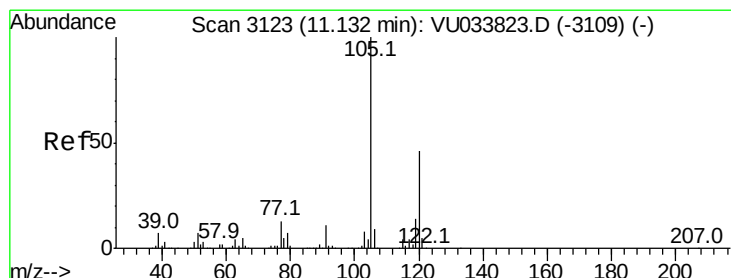
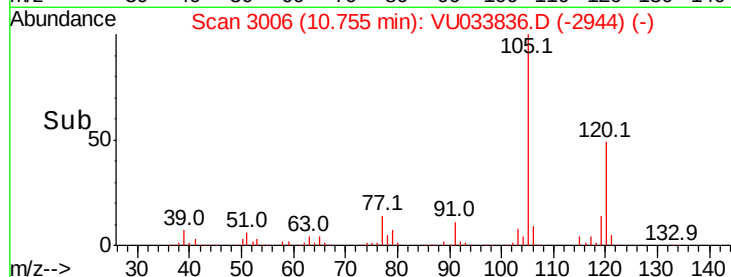
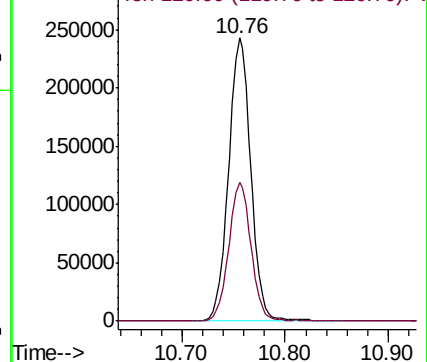
105 100

120 48.9 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.945 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU033836.D

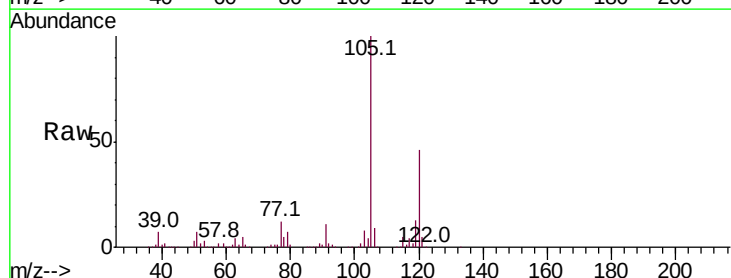
Acq: 19 Aug 2019 08:48

Tgt Ion:105 Resp: 373401

Ion Ratio Lower Upper

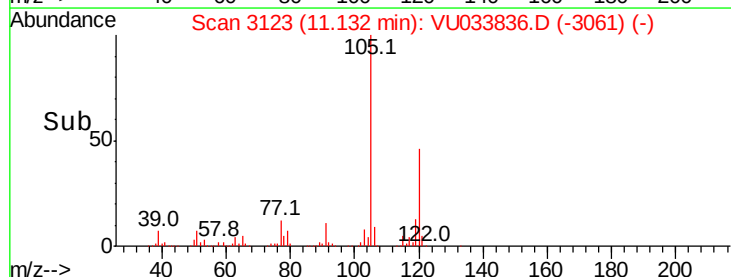
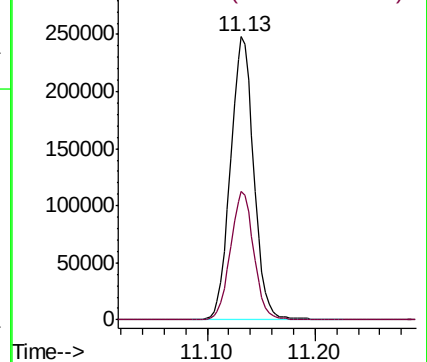
105 100

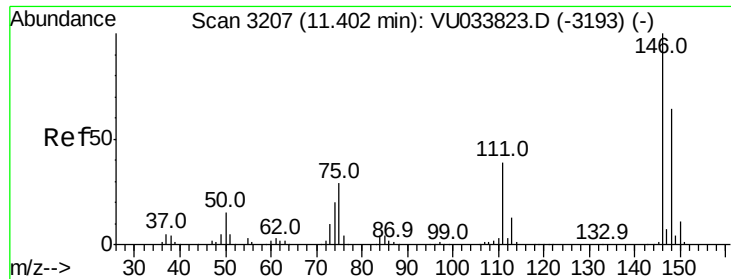
120 45.4 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

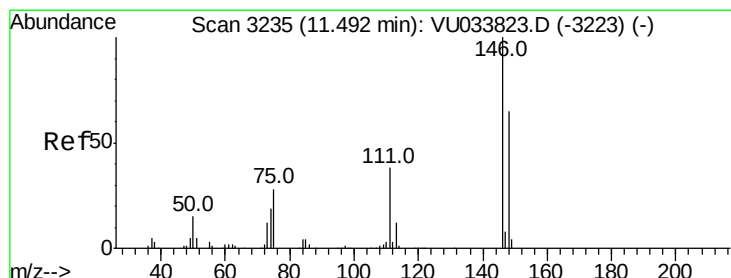
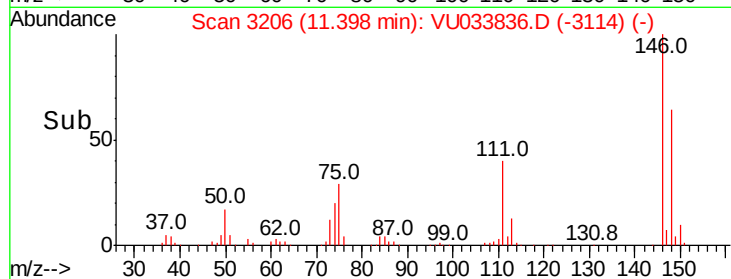
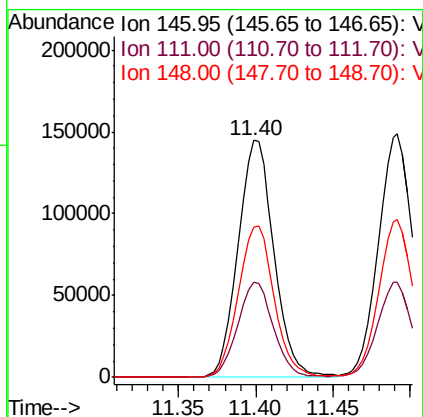
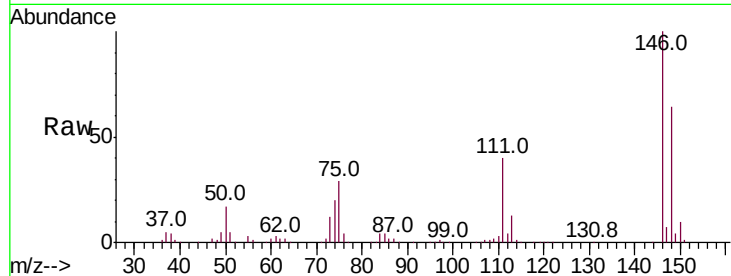




#64
 1,3-Dichlorobenzene
 Concen: 5.633 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

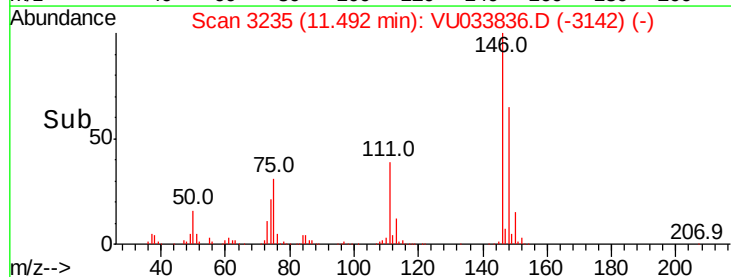
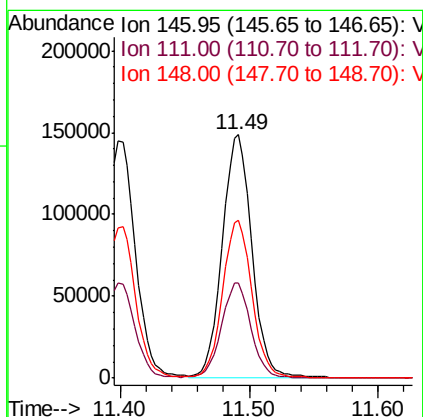
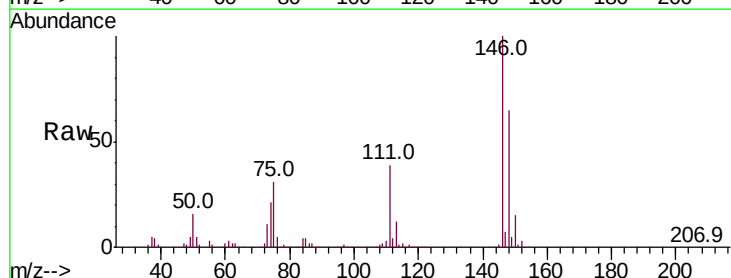
Instrument :
 MSVOA_U
 ClientSampleId :

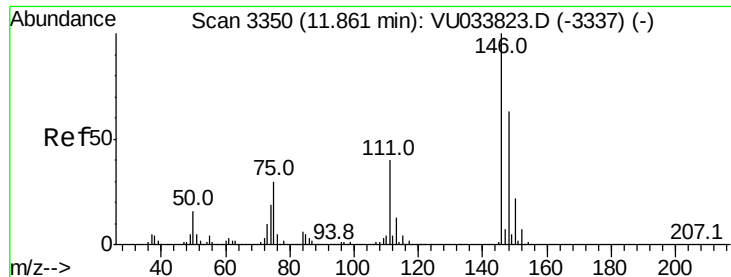
Tot Ion:146 Resp: 233682
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.5 52.9
 148 63.6 44.6 82.8



#65
 1,4-Dichlorobenzene
 Concen: 5.528 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

Tgt Ion:146 Resp: 236082
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.2 48.8
 148 64.6 44.2 82.0

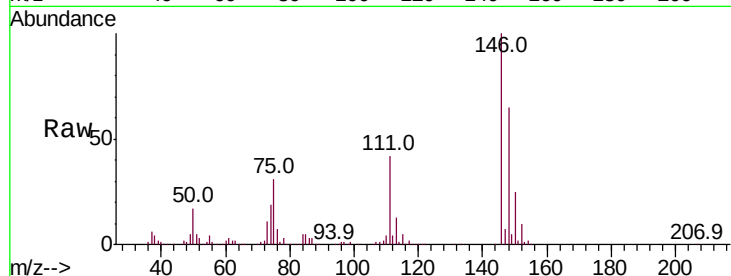




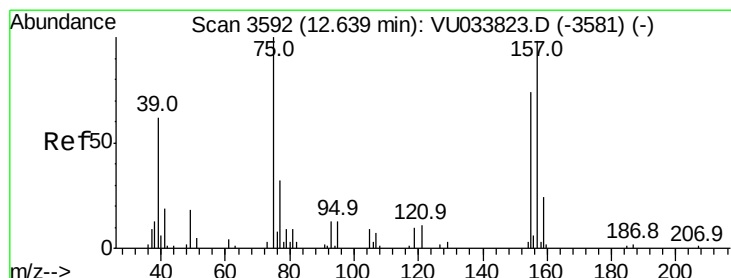
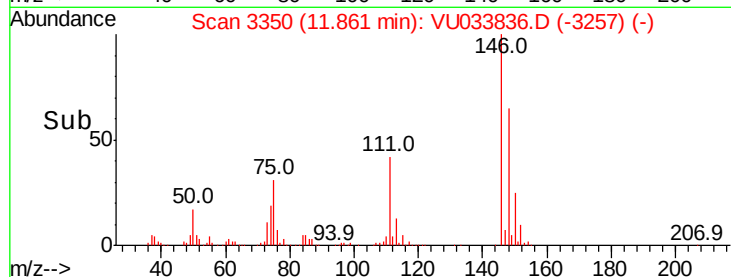
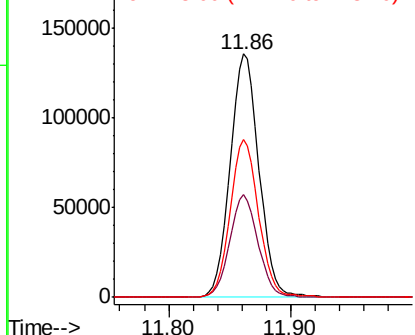
#67
 1,2-Dichlorobenzene
 Concen: 5.578 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	32.7	49.1
148	64.8	50.6	76.0

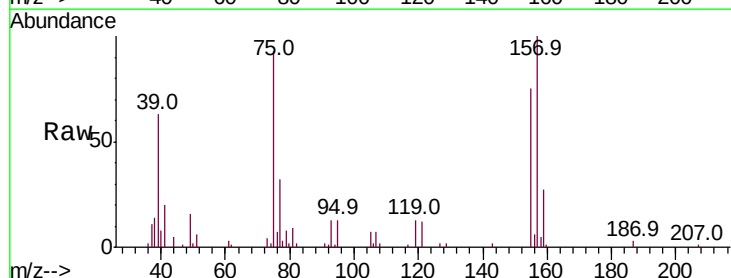


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

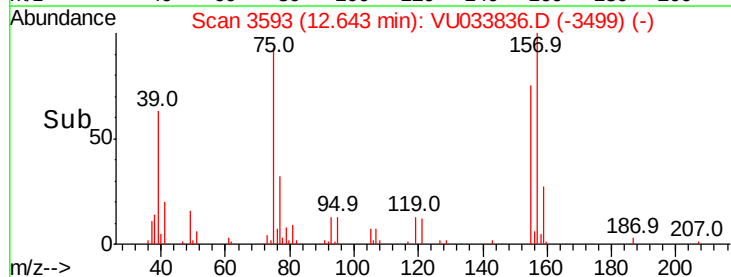
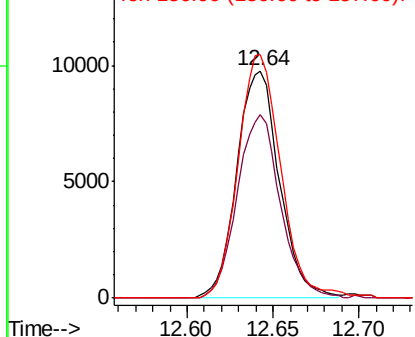


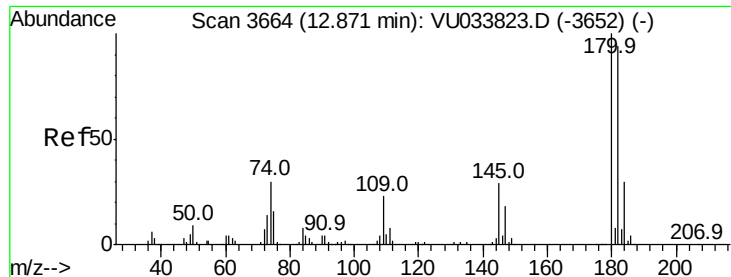
#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.710 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	67.3	100.9
157	107.0	85.3	127.9



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

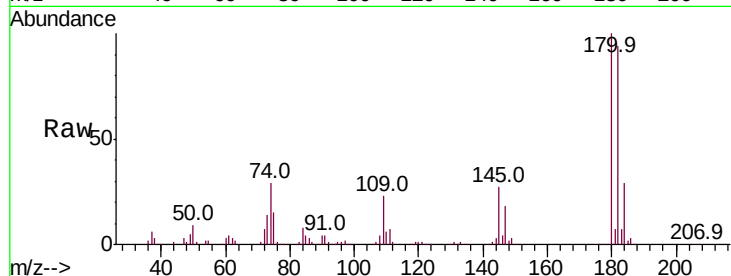




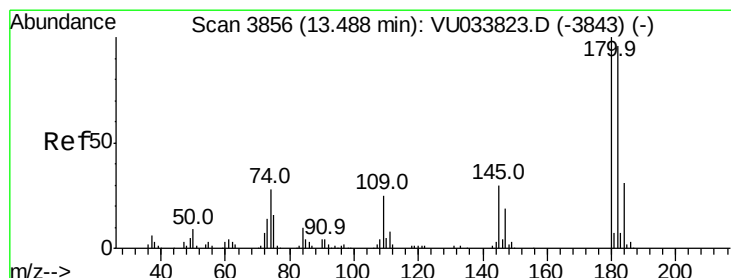
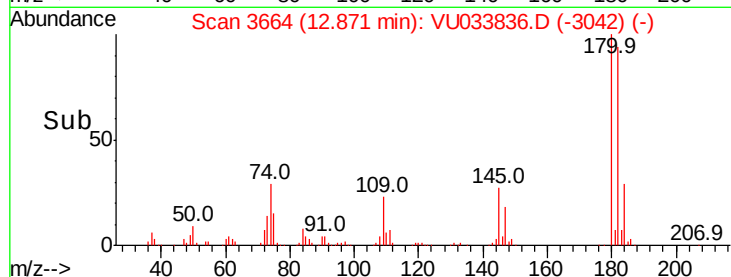
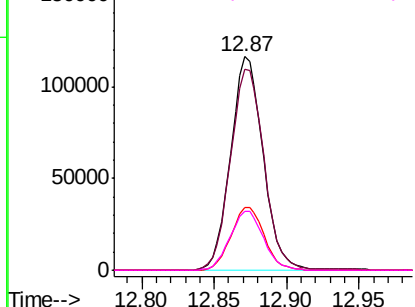
#69
 1,3,5-Trichlorobenzene
 Concen: 5.563 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	181511
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	114.8
184	30.3	24.4	36.6
145	28.6	23.3	34.9

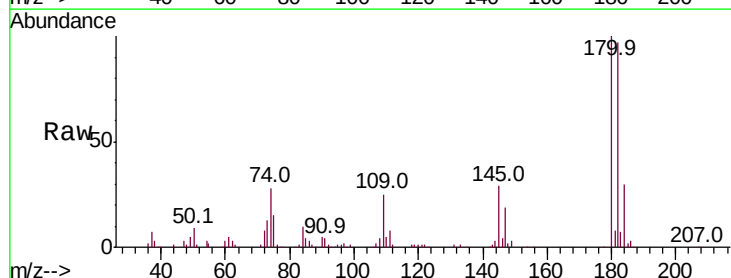


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

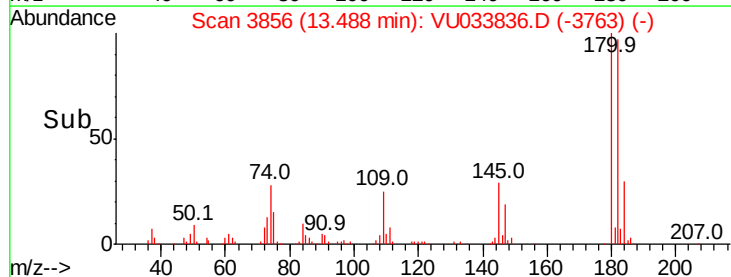
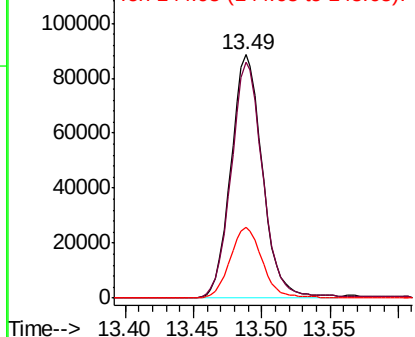


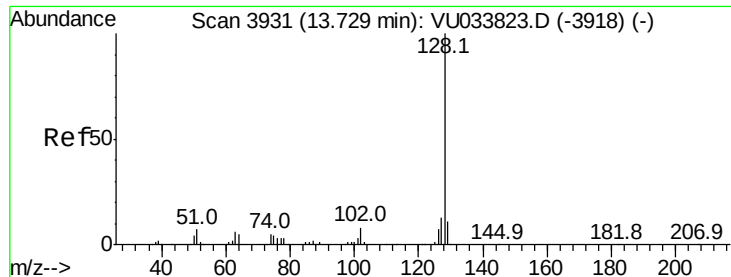
#70
 1,2,4-trichlorobenzene
 Concen: 5.610 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033836.D
 Acq: 19 Aug 2019 08:48

Tgt Ion:	180	Resp:	142455
Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.4	116.2
145	29.6	23.5	35.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

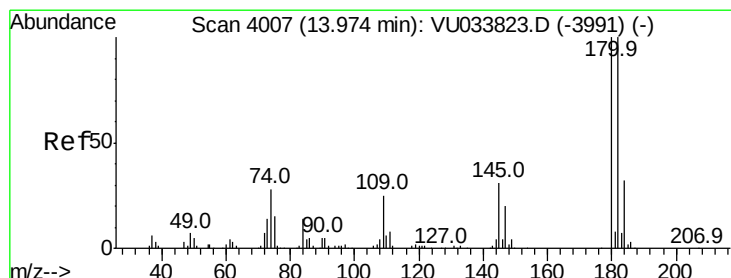
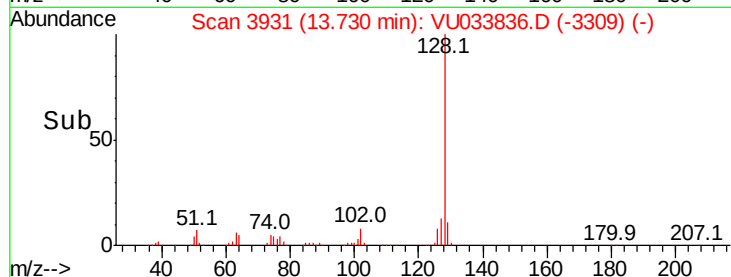
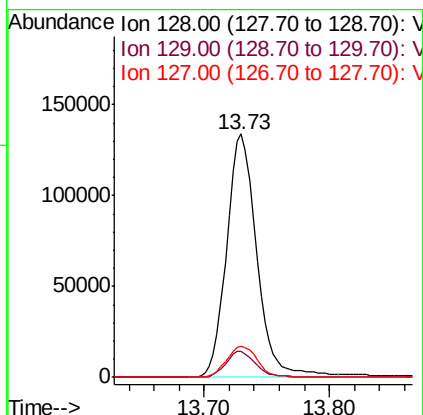
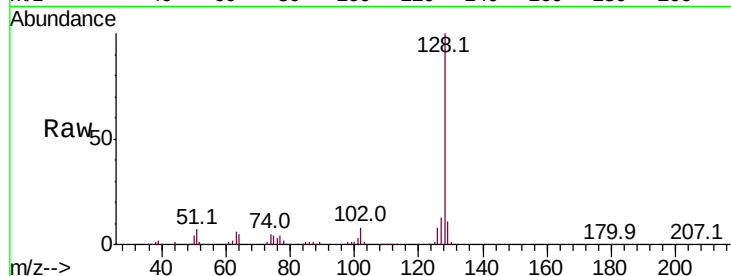




#71
Naphthalene
Concen: 5.724 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 223833
Ion Ratio Lower Upper
128 100
129 10.5 8.5 12.7
127 13.1 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 5.761 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033836.D
Acq: 19 Aug 2019 08:48

Tgt Ion:180 Resp: 137873
Ion Ratio Lower Upper
180 100
182 96.5 75.7 113.5
145 31.2 24.3 36.5

