

Data File : VU033845.D
Acq On : 20 Aug 2019 11:15
Operator : JC/SP
Sample : VSTD01002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Quant Time: Aug 21 05:11:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:04:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	184723	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	195967	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	111802	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	155077	9.86	ug/L	0.00
7) Chloroethane-d5	1.67	69	137637	9.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	312099	9.88	ug/L	0.00
20) 2-Butanone-d5	4.17	46	325146	104.19	ug/L	0.00
24) Chloroform-d	4.62	84	260814	9.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	133406	9.42	ug/L	0.00
32) Benzene-d6	5.32	84	508129	10.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	156361	9.78	ug/L	0.00
41) Toluene-d8	7.55	98	489609	10.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	64355	10.47	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	262706	119.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	135611	9.84	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	186295	9.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	166006	9.917 ug/L	99
3) Chloromethane	1.32	50	159596	9.819 ug/L	98
5) Vinyl chloride	1.39	62	179235	9.802 ug/L	99
6) Bromomethane	1.61	94	129985	10.855 ug/L	99
8) Chloroethane	1.68	64	107148	9.983 ug/L	98
9) Trichlorofluoromethane	1.87	101	229451	9.871 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	130517	9.699 ug/L	99
12) 1,1-Dichloroethene	2.27	96	124156	9.718 ug/L	94
13) Acetone	2.31	43	225806	94.643 ug/L	99
14) Carbon disulfide	2.46	76	423604	9.647 ug/L	98
15) Methyl Acetate	2.60	43	58019	9.706 ug/L	96
16) Methylene chloride	2.68	84	138438	9.233 ug/L	99
17) Methyl tert-butyl Ether	2.98	73	314586	9.814 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	134281	9.538 ug/L	98
19) 1,1-Dichloroethane	3.42	63	199442	9.770 ug/L	100
21) 2-Butanone	4.25	43	272397	106.472 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	114592	10.350 ug/L	95
23) Bromochloromethane	4.52	128	53295	9.956 ug/L	97
25) Chloroform	4.65	83	206976	8.968 ug/L	100
27) 1,2-Dichloroethane	5.38	62	132050	10.077 ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	175364	9.873 ug/L	97
30) Cyclohexane	4.97	56	161106	10.740 ug/L	99
31) Carbon tetrachloride	5.11	117	155835	9.730 ug/L	100
33) Benzene	5.36	78	445561	10.361 ug/L	100
34) Trichloroethene	6.16	95	112057	9.713 ug/L	96
35) Methylcyclohexane	6.39	83	174284	10.810 ug/L	99
37) 1,2-Dichloropropane	6.41	63	116672	10.253 ug/L	99
38) Bromodichloromethane	6.74	83	144064	9.831 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	160610	10.682 ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	655138	108.715 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	480044	10.898	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	131449	10.454	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	80485	9.883	ug/L	98
47) Tetrachloroethene	8.21	164	96007	10.144	ug/L	98
48) 2-Hexanone	8.35	43	487365	110.682	ug/L	100
49) Dibromochloromethane	8.46	129	101396	9.973	ug/L	96
50) 1,2-Dibromoethane	8.57	107	77286	9.929	ug/L #	98
51) Chlorobenzene	9.10	112	294113	10.096	ug/L	99
52) Ethylbenzene	9.23	91	483066	10.956	ug/L	100
53) m,p-Xylene	9.36	106	188998	11.419	ug/L	96
54) o-Xylene	9.76	106	178660	11.257	ug/L	99
55) Styrene	9.77	104	323885	11.774	ug/L	97
56) Isopropylbenzene	10.15	105	471286	11.476	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	101322	9.911	ug/L	96
59) 1,2,3-Trichloropropane	10.48	75	73862	9.906	ug/L	99
61) Bromoform	9.94	173	56749	9.189	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	244062	9.826	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	243966	9.553	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	233635	9.720	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	16627	9.779	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	186967	9.918	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	148852	10.849	ug/L	99
69) Naphthalene	13.73	128	230059	12.253	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	148451	11.517	ug/L	98

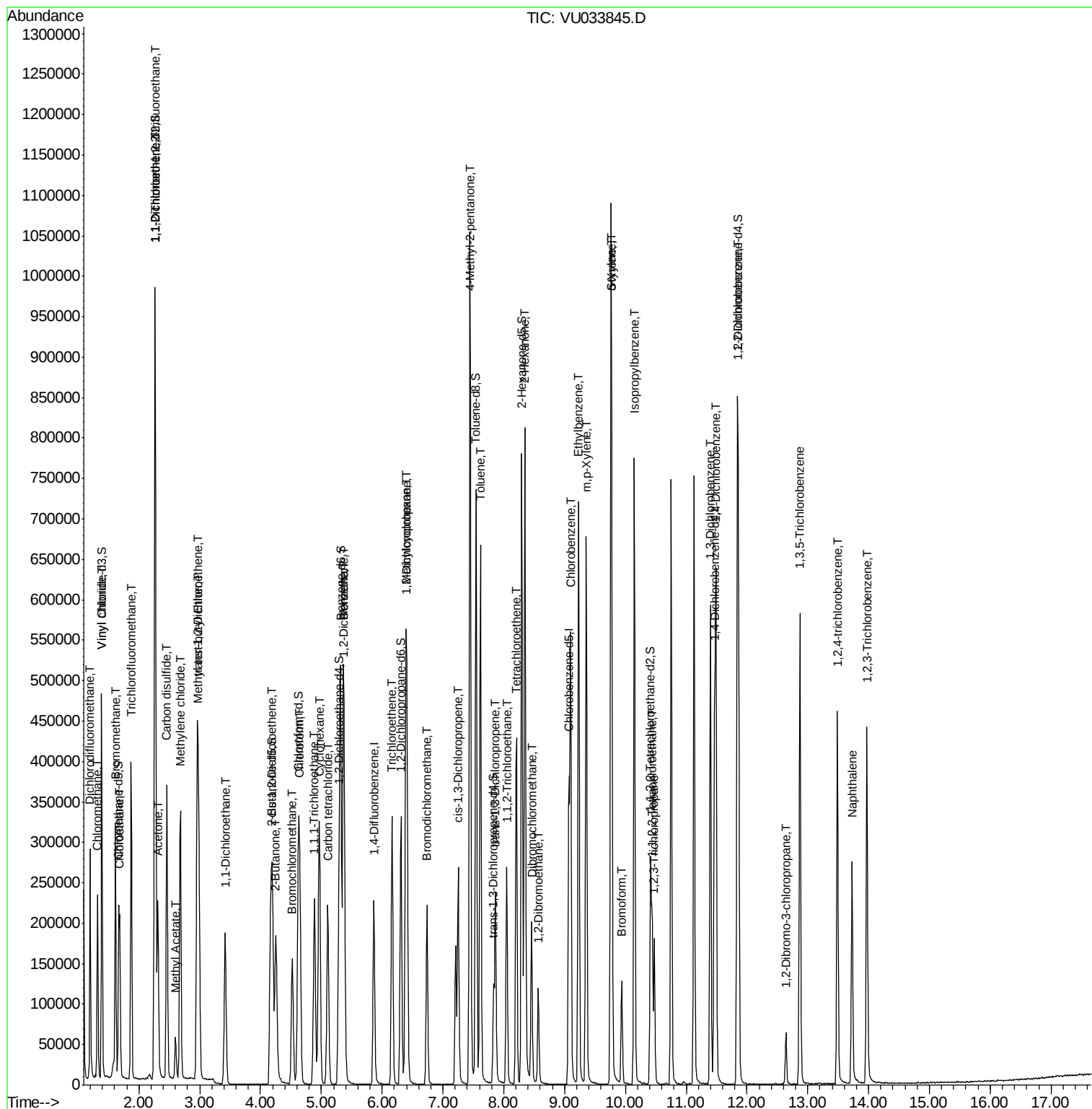
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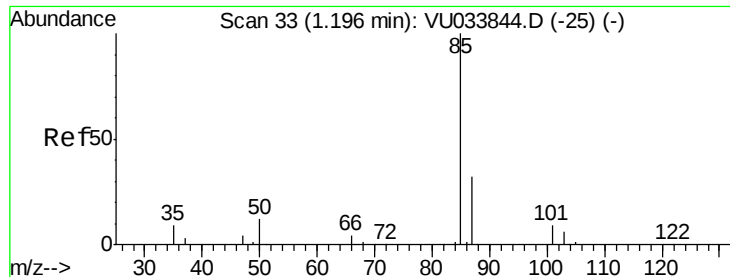
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#2

Dichlorodifluoromethane

Concen: 9.917 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

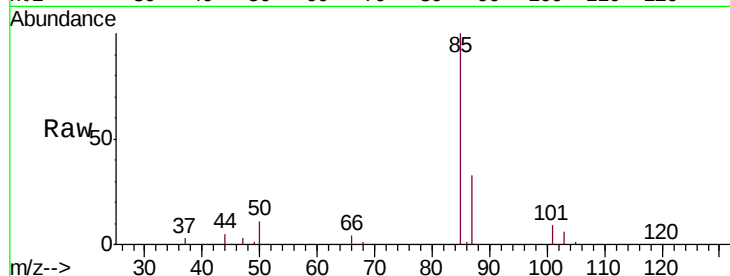
VSTD01002

Tgt Ion: 85 Resp: 166006

Ion Ratio Lower Upper

85 100

87 32.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU033845.D (-25) (-)

Ion 87.00 (86.70 to 87.70): VU033845.D (-25) (-)

1.20

150000

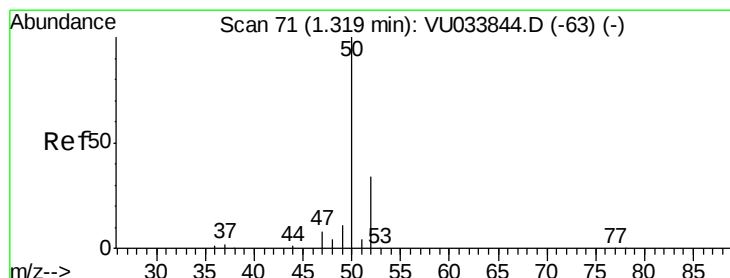
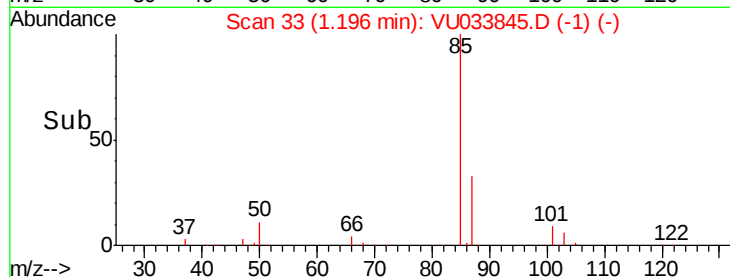
100000

50000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 9.819 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033845.D

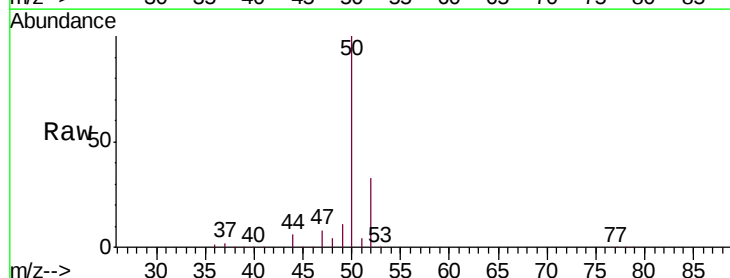
Acq: 20 Aug 2019 11:15

Tgt Ion: 50 Resp: 159596

Ion Ratio Lower Upper

50 100

52 33.1 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU033845.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU033845.D (-63) (-)

1.32

150000

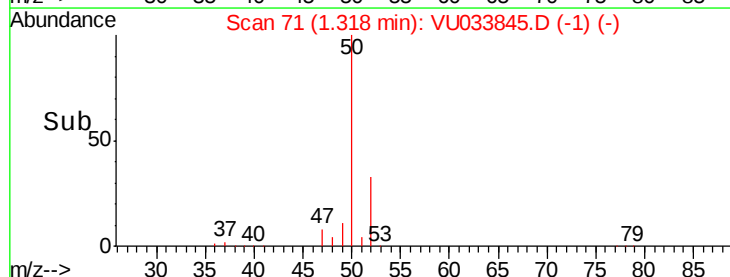
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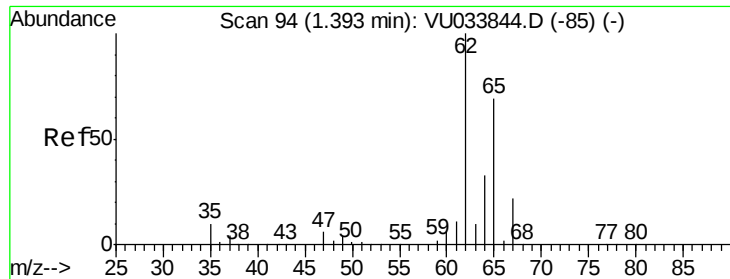
50000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 9.802 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

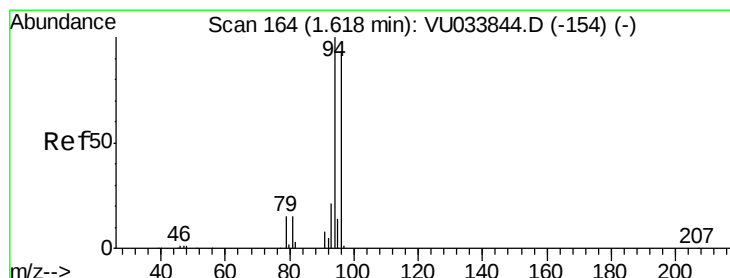
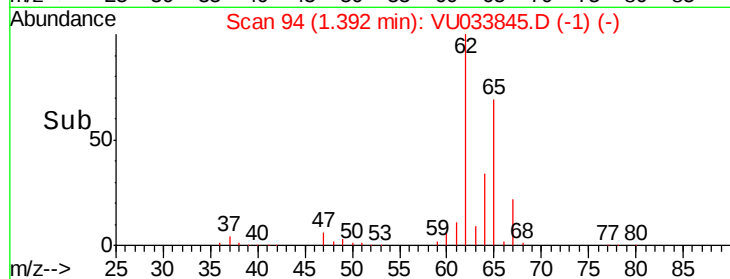
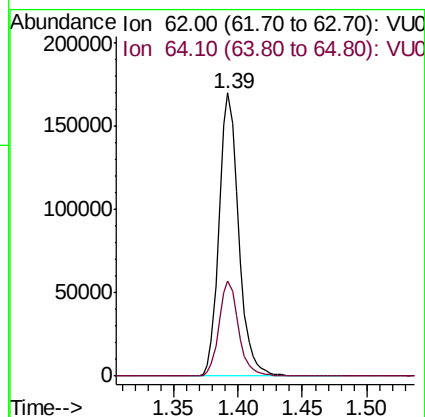
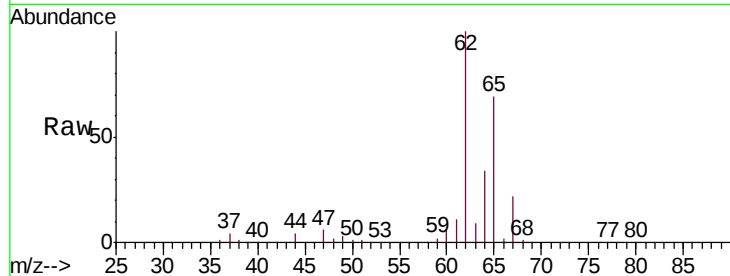
VSTD01002

Tgt Ion: 62 Resp: 179235

Ion Ratio Lower Upper

62 100

64 33.6 23.1 42.9



#6

Bromomethane

Concen: 10.855 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU033845.D

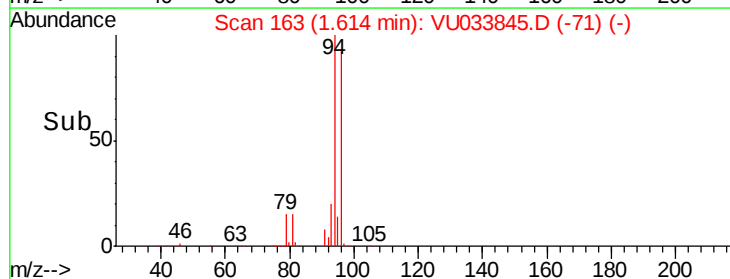
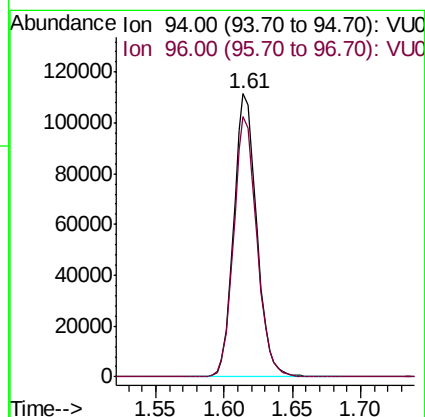
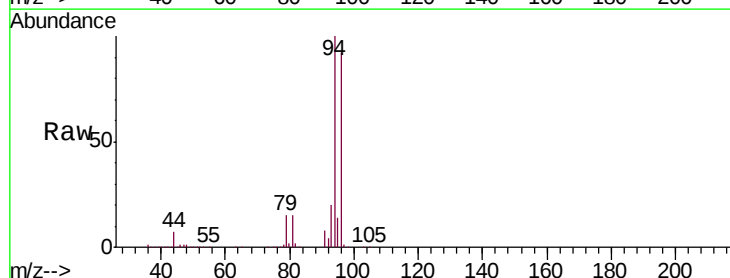
Acq: 20 Aug 2019 11:15

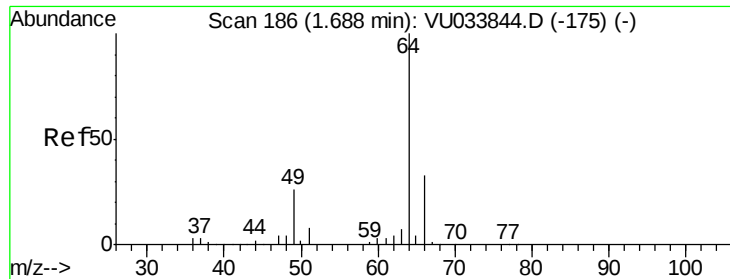
Tgt Ion: 94 Resp: 129985

Ion Ratio Lower Upper

94 100

96 92.2 65.2 121.0





#8

Chloroethane

Concen: 9.983 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

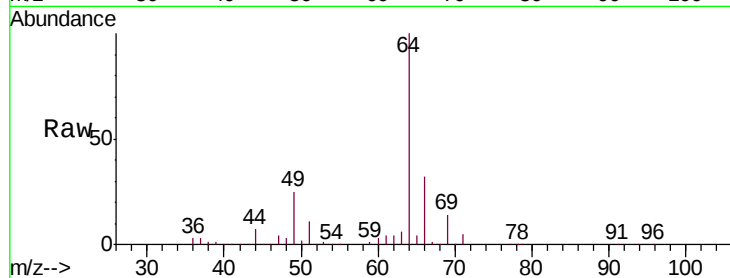
VSTD01002

Tgt Ion: 64 Resp: 107148

Ion Ratio Lower Upper

64 100

66 32.4 23.3 43.3



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

Ion 66.05 (65.75 to 66.75): VU033844.D (-175) (-)

1.68

80000

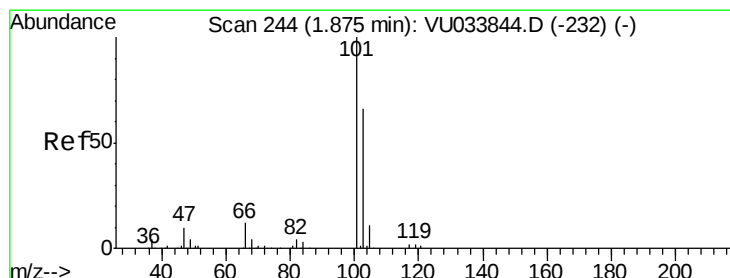
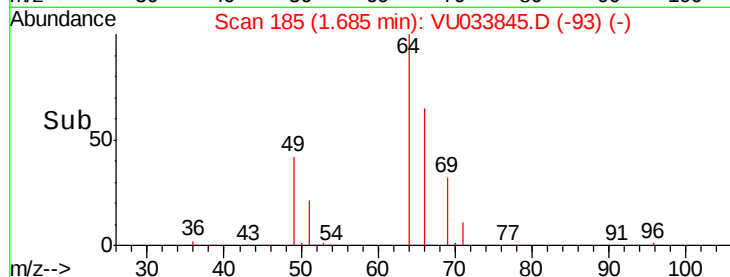
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.871 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033845.D

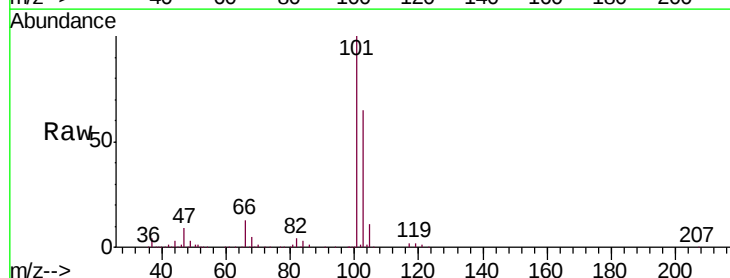
Acq: 20 Aug 2019 11:15

Tgt Ion: 101 Resp: 229451

Ion Ratio Lower Upper

101 100

103 64.8 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU033844.D (-232) (-)

Ion 103.00 (102.70 to 103.70): VU033844.D (-232) (-)

1.87

200000

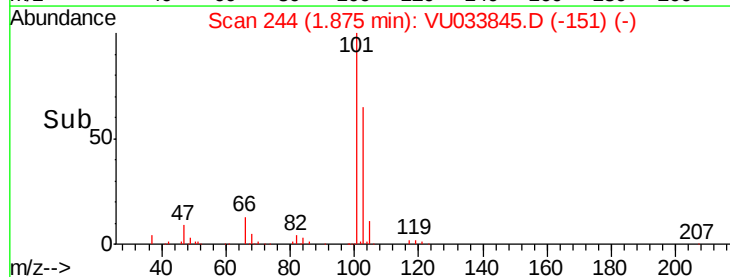
150000

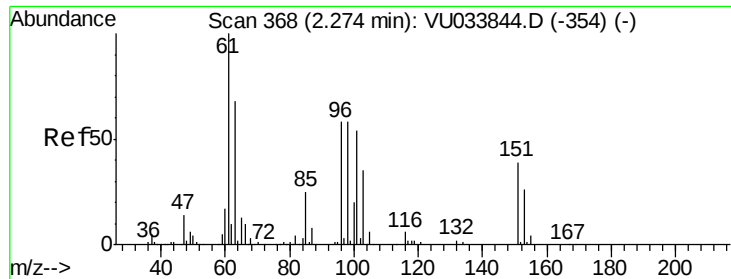
100000

50000

0

Time-->





#10

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

Concen: 9.699 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

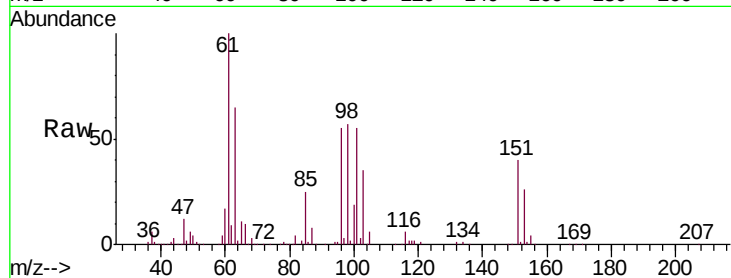
Tgt Ion: 101 Resp: 130517

Ion Ratio Lower Upper

101 100

85 45.0 35.7 53.5

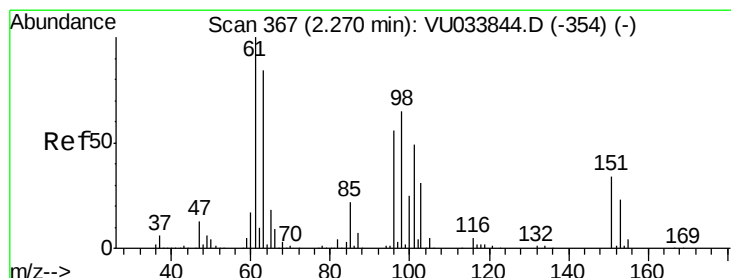
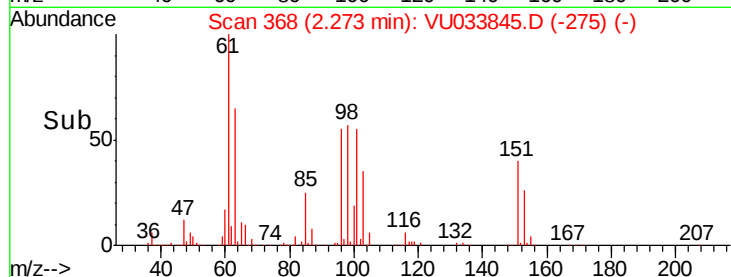
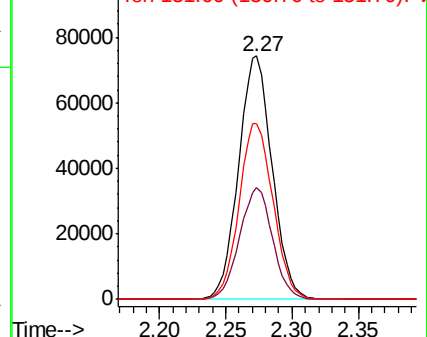
151 73.1 57.2 85.8



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: 9.718 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

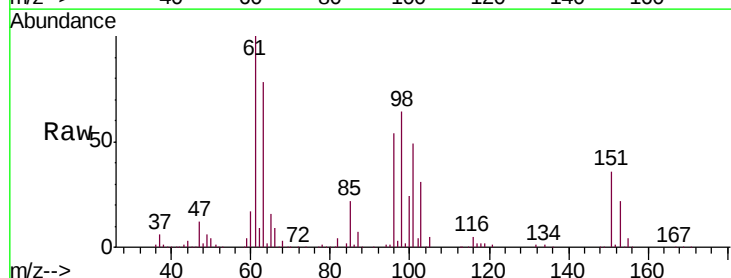
Tgt Ion: 96 Resp: 124156

Ion Ratio Lower Upper

96 100

61 185.4 124.3 230.9

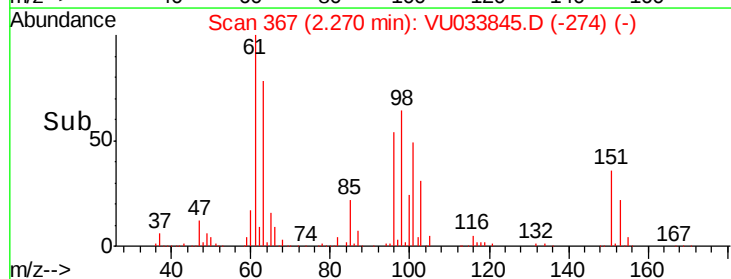
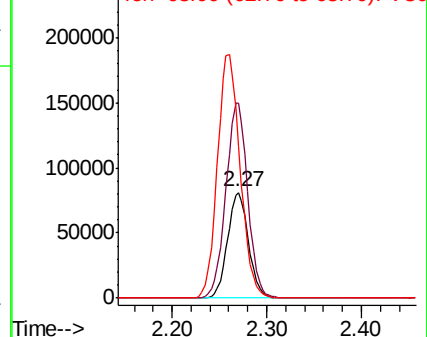
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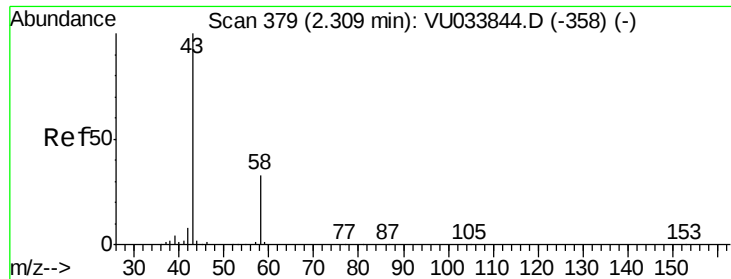


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.643 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

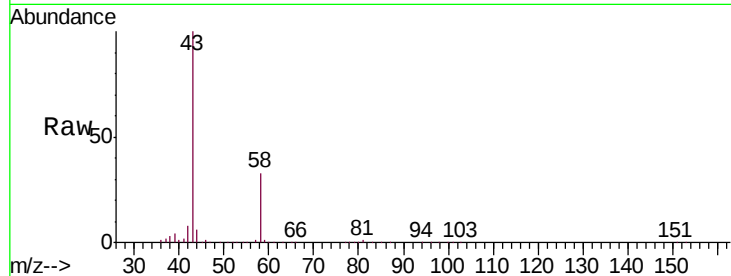
VSTD01002

Tgt Ion: 43 Resp: 225806

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VU033845.D (-380) (-)

Ion 58.05 (57.75 to 58.75): VU033845.D (-380) (-)

2.31

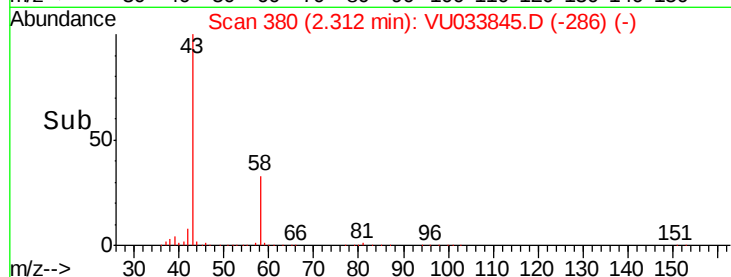
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100000

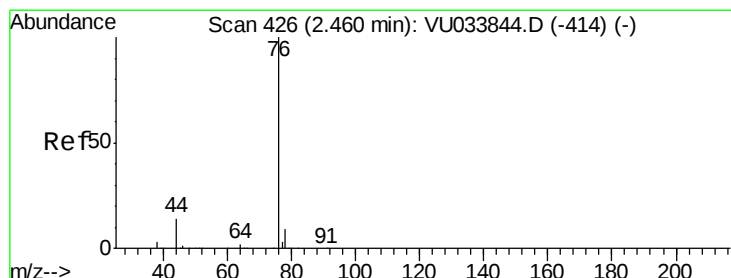
50000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 9.647 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033845.D

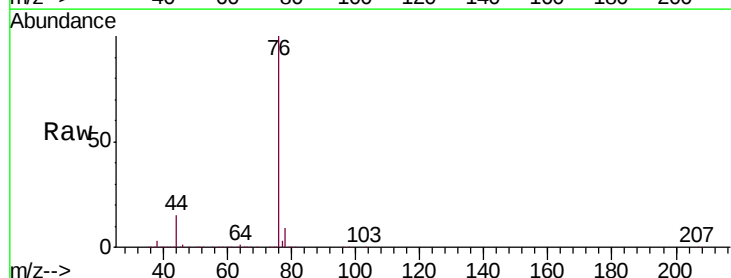
Acq: 20 Aug 2019 11:15

Tgt Ion: 76 Resp: 423604

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU033845.D (-426) (-)

Ion 78.00 (77.70 to 78.70): VU033845.D (-426) (-)

2.46

300000

250000

200000

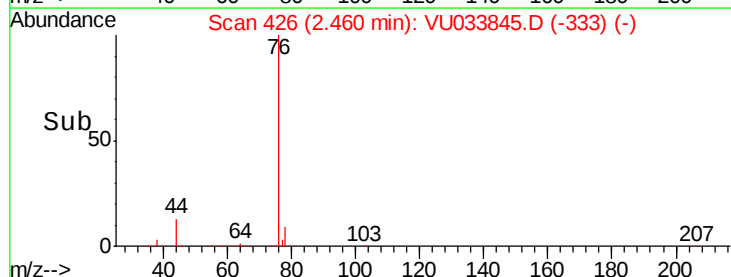
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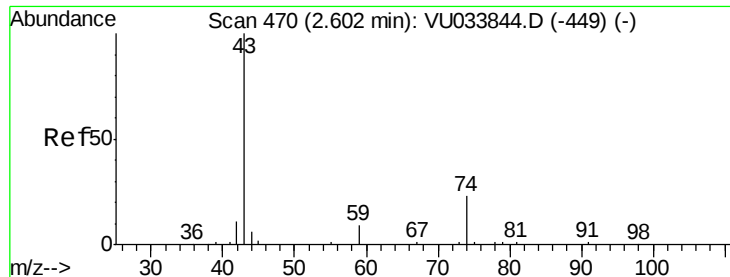
100000

50000

0

Time-->

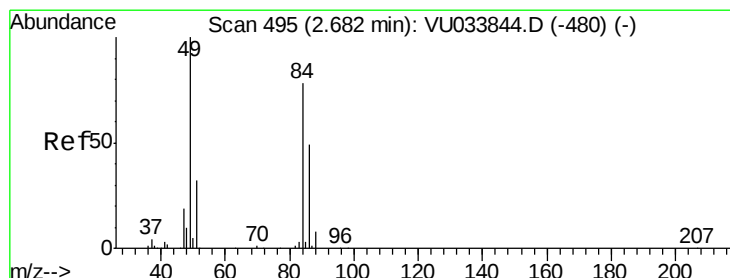
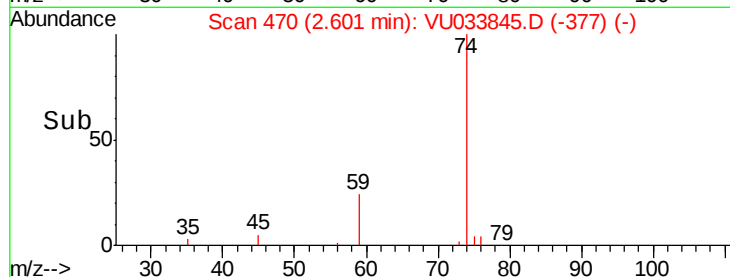
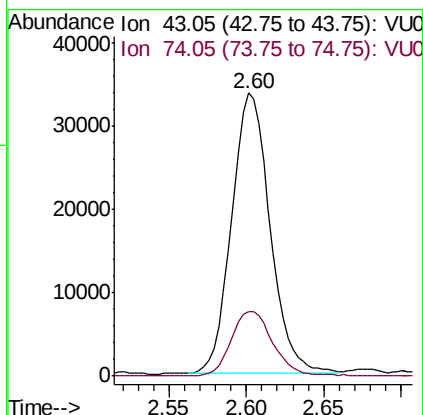
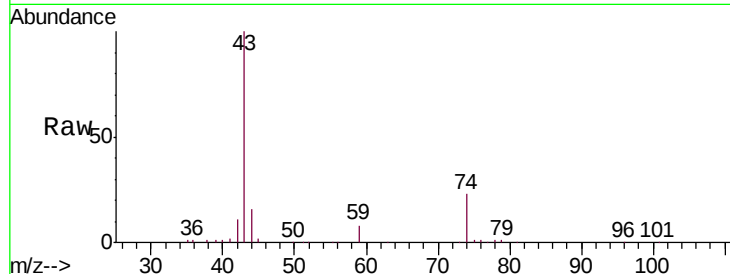




#15
Methyl Acetate
Concen: 9.706 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

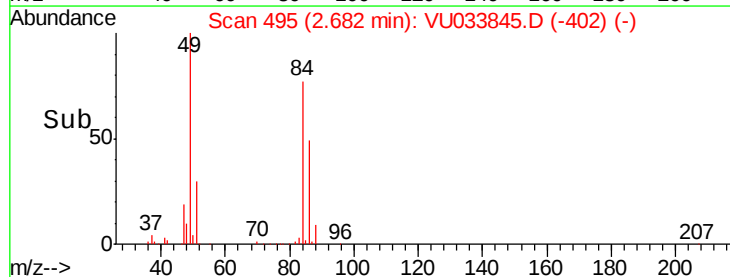
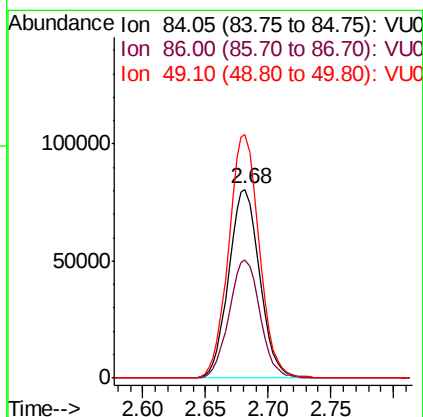
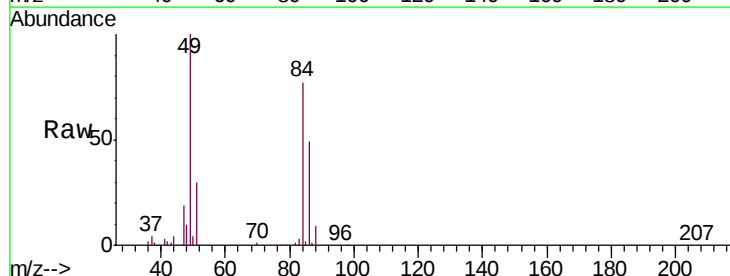
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

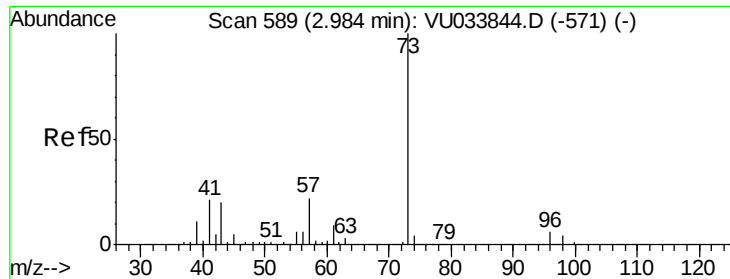
Tgt Ion: 43 Resp: 58019
Ion Ratio Lower Upper
43 100
74 25.2 18.6 28.0



#16
Methylene chloride
Concen: 9.233 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

Tgt Ion: 84 Resp: 138438
Ion Ratio Lower Upper
84 100
86 62.8 43.8 81.3
49 129.1 89.5 166.3



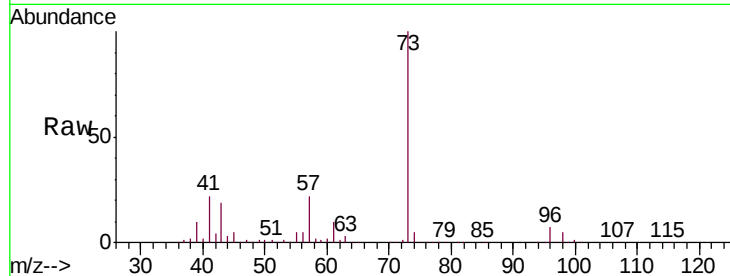


#17

Methyl tert-butyl Ether
 Concen: 9.814 ug/L
 RT: 2.98 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.9	23.9
57	23.1	18.3	27.5

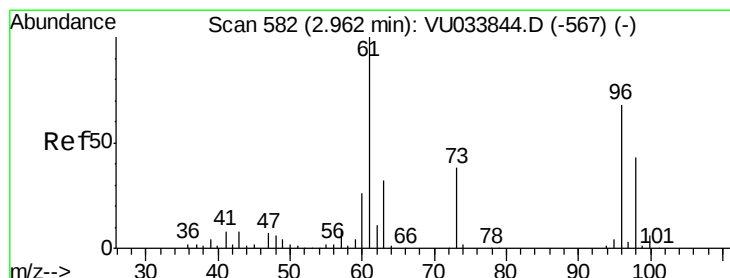
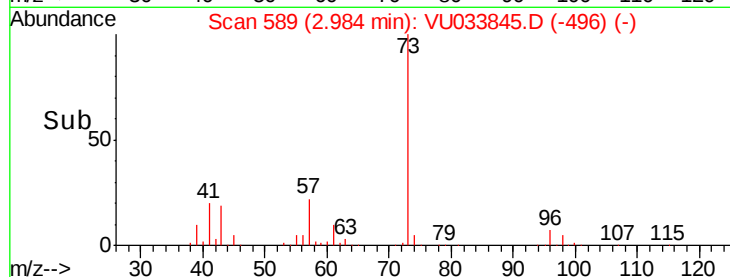
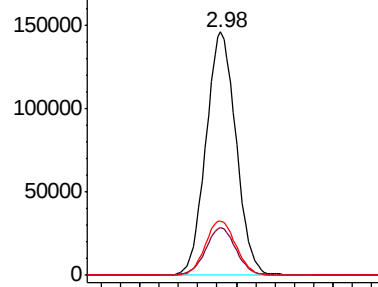


Abundance

Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

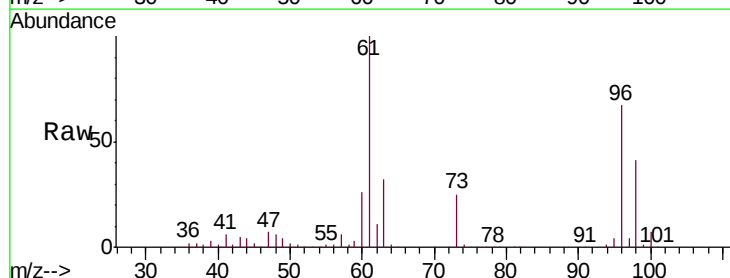
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene
 Concen: 9.538 ug/L
 RT: 2.96 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.6	102.9	191.1
98	60.7	43.8	81.4

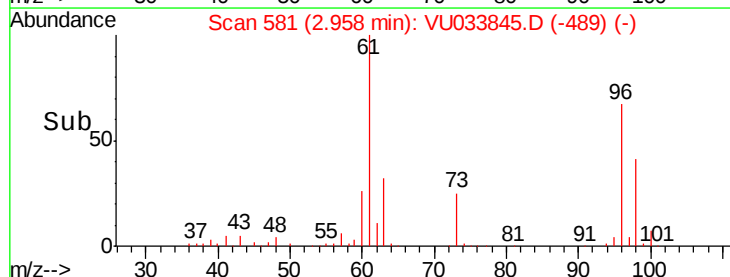
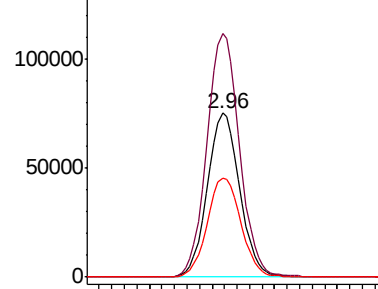


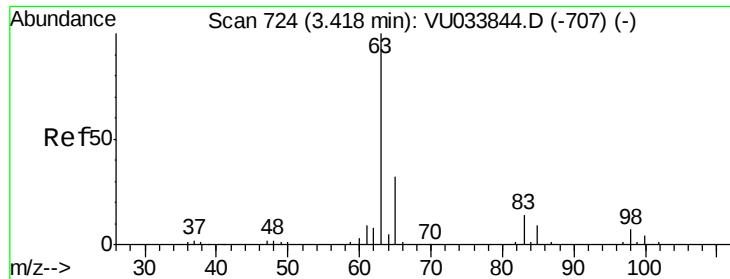
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

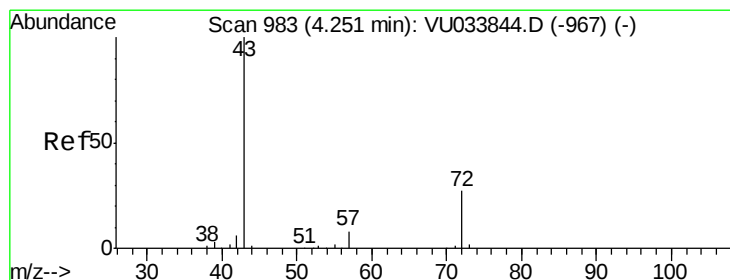
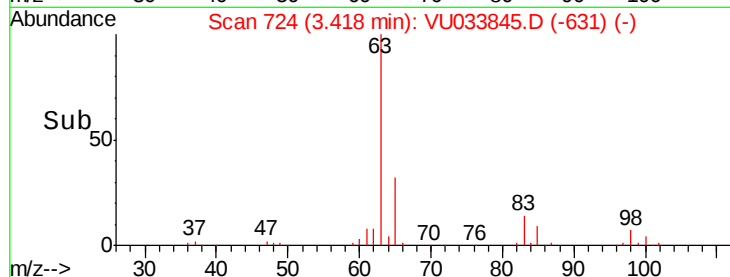
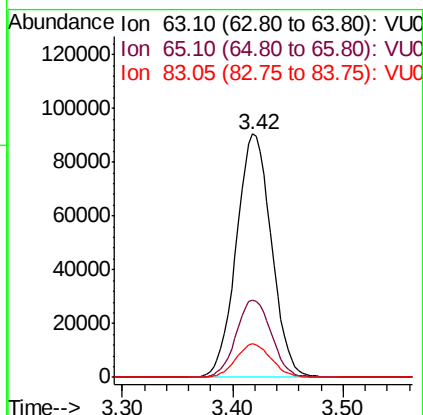
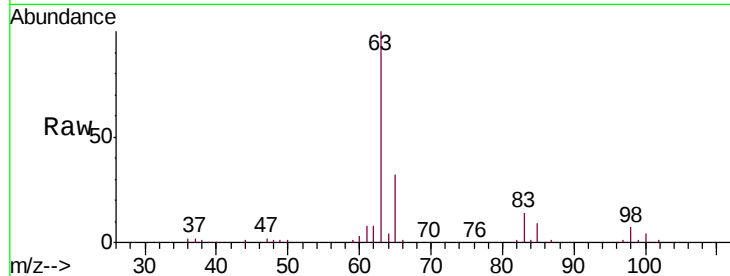




#19
 1,1-Dichloroethane
 Concen: 9.770 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

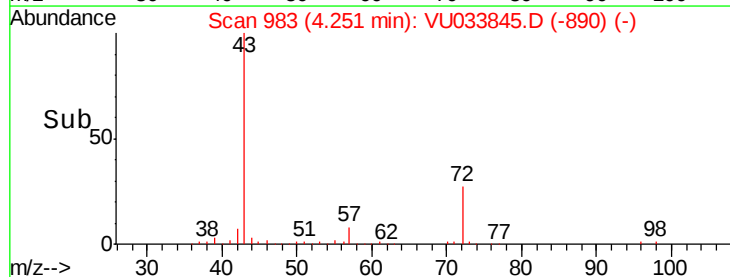
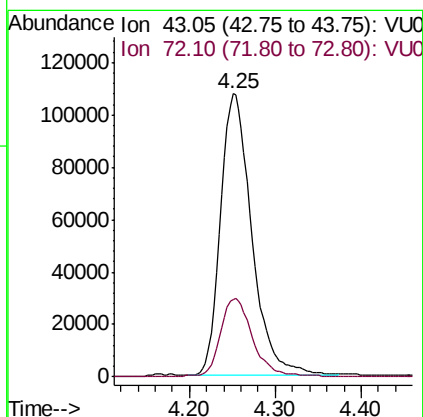
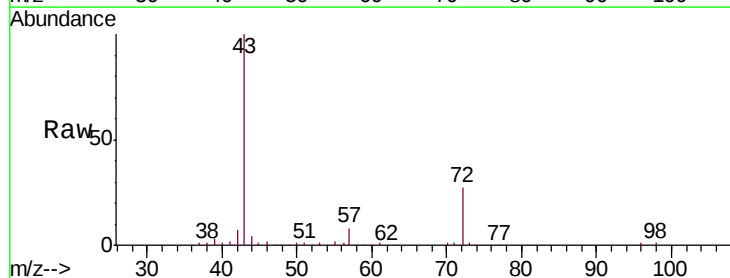
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

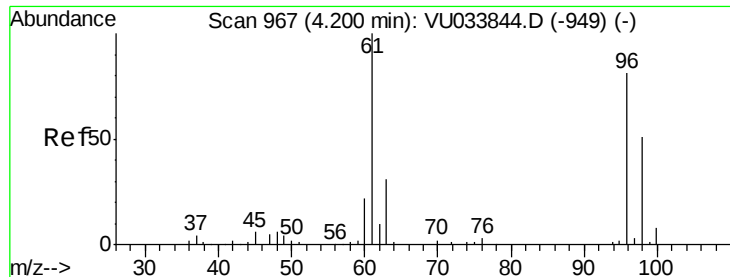
Tgt Ion: 63 Resp: 199442
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.8 9.8 18.2



#21
 2-Butanone
 Concen: 106.472 ug/L
 RT: 4.25 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Tgt Ion: 43 Resp: 272397
 Ion Ratio Lower Upper
 43 100
 72 29.1 13.7 41.0



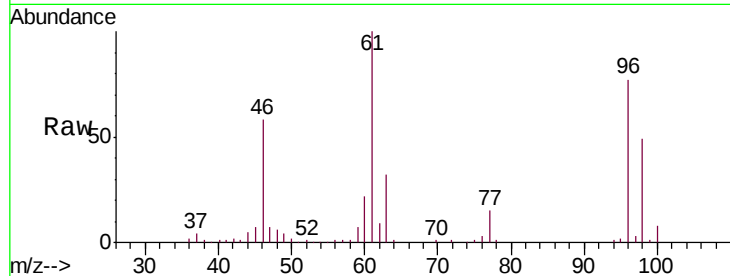


#22

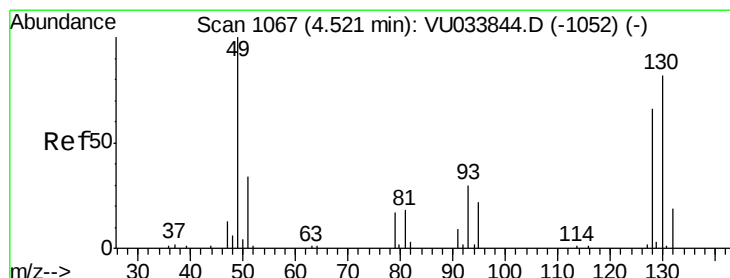
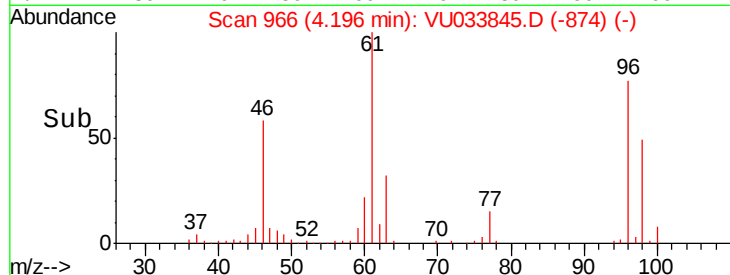
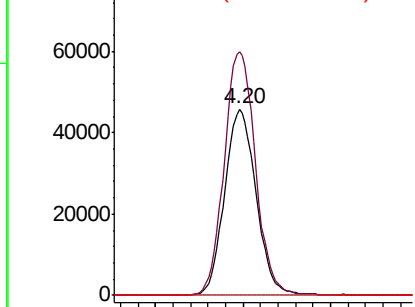
cis-1,2-Dichloroethene
 Concen: 10.350 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion: 96 Resp: 114592
 Ion Ratio Lower Upper
 96 100
 61 130.7 87.2 161.9
 68 0.0 0.0 0.0



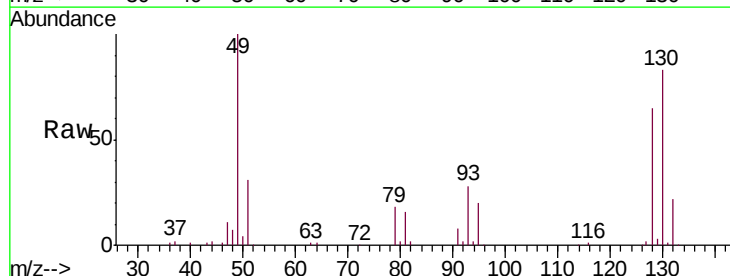
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



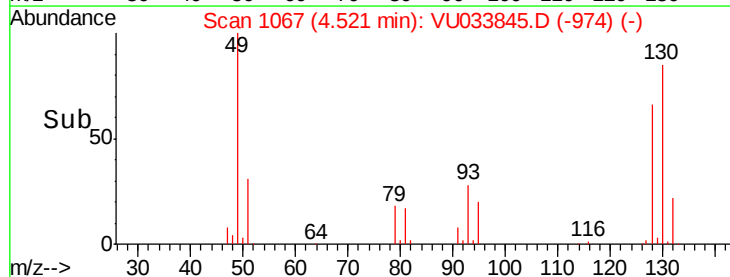
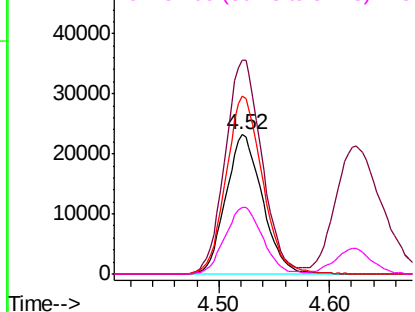
#23

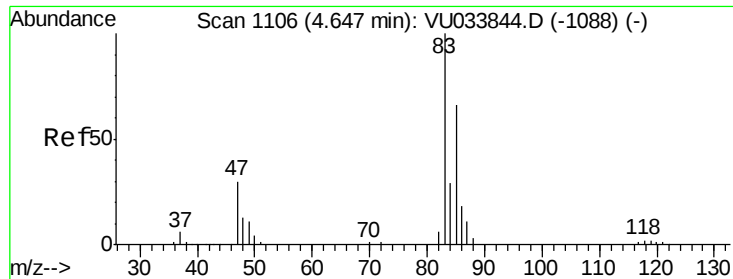
Bromochloromethane
 Concen: 9.956 ug/L
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Tgt Ion: 128 Resp: 53295
 Ion Ratio Lower Upper
 128 100
 49 153.4 105.6 196.0
 130 128.0 86.5 160.6
 51 47.5 41.0 61.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

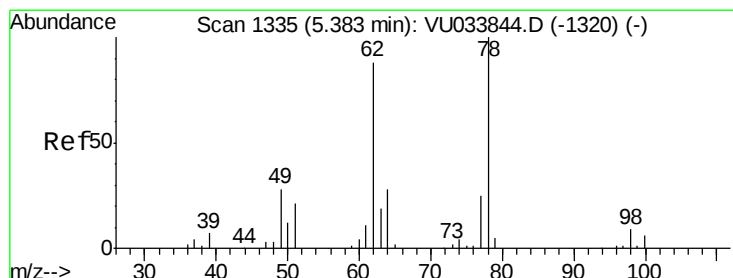
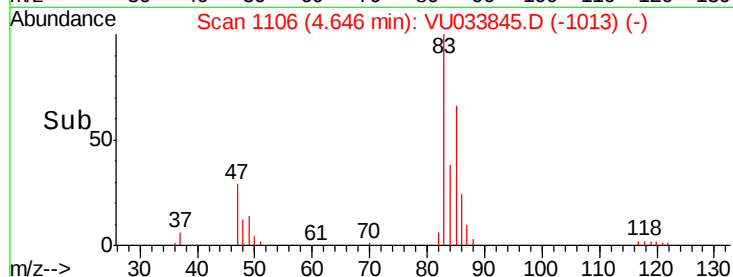
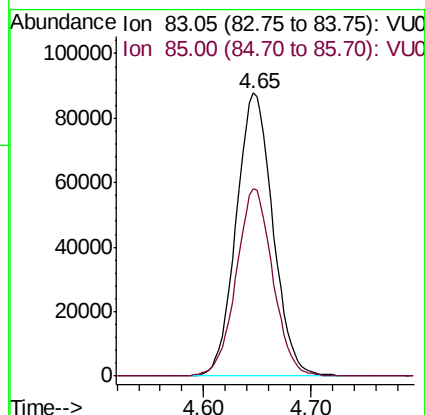
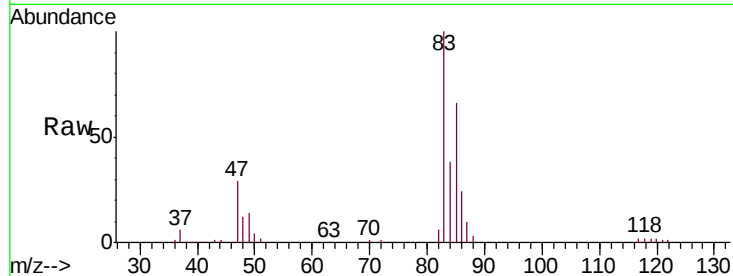




#25
Chloroform
Concen: 8.968 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

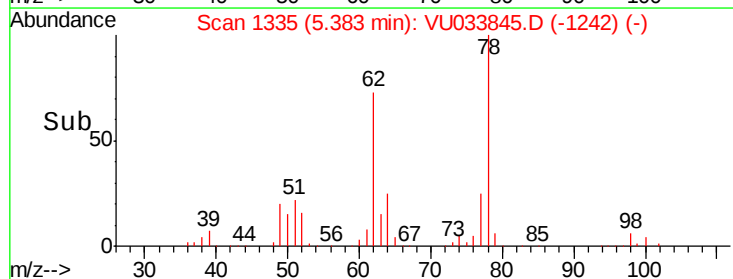
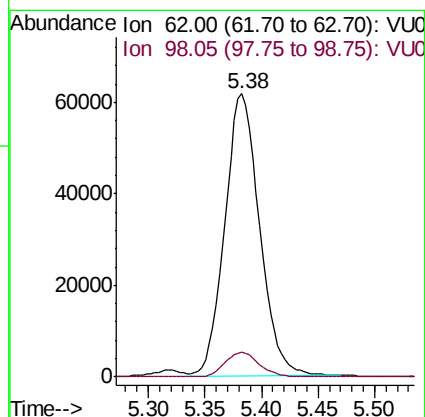
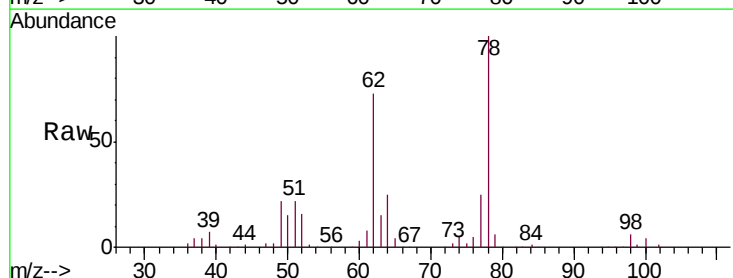
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

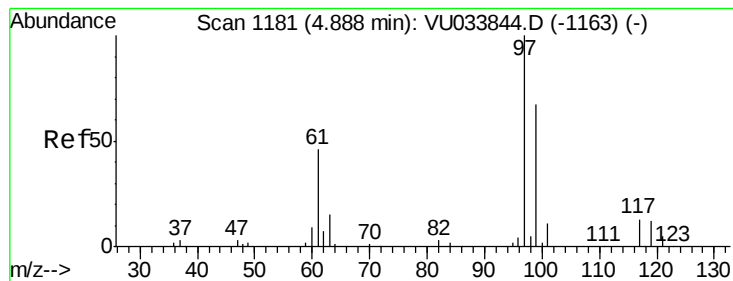
Tgt Ion: 83 Resp: 206976
Ion Ratio Lower Upper
83 100
85 66.2 46.3 85.9



#27
1,2-Dichloroethane
Concen: 10.077 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

Tgt Ion: 62 Resp: 132050
Ion Ratio Lower Upper
62 100
98 8.7 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 9.873 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

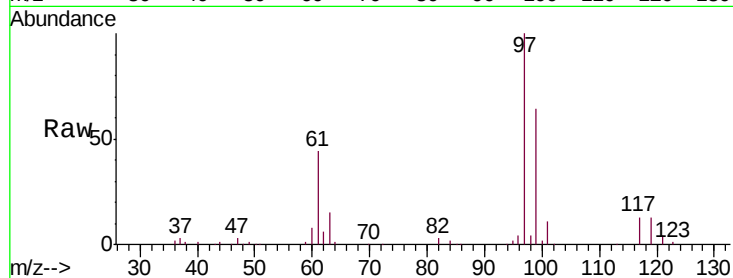
Tgt Ion: 97 Resp: 175364

Ion Ratio Lower Upper

97 100

99 64.4 53.4 80.0

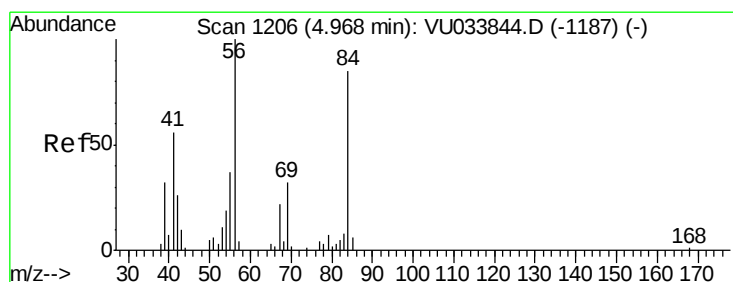
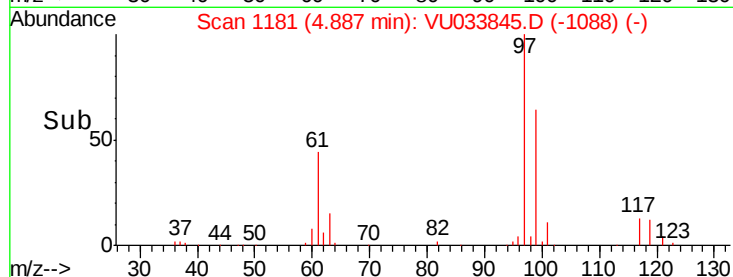
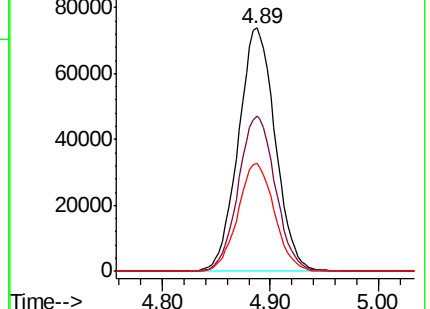
61 44.1 36.6 55.0



Abundance Ion 96.95 (96.65 to 97.65): VU033845.D (-1163) (-)

Ion 99.05 (98.75 to 99.75): VU033845.D (-1163) (-)

Ion 61.05 (60.75 to 61.75): VU033845.D (-1163) (-)



#30

Cyclohexane

Concen: 10.740 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

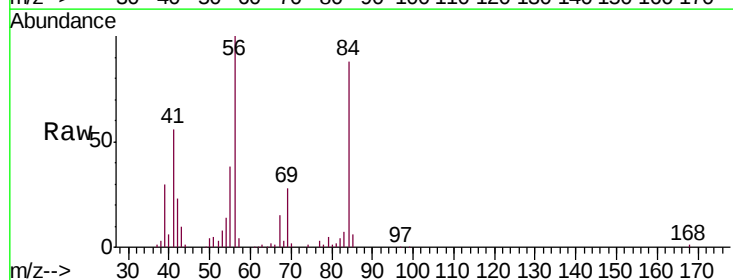
Tgt Ion: 56 Resp: 161106

Ion Ratio Lower Upper

56 100

69 29.3 25.1 37.7

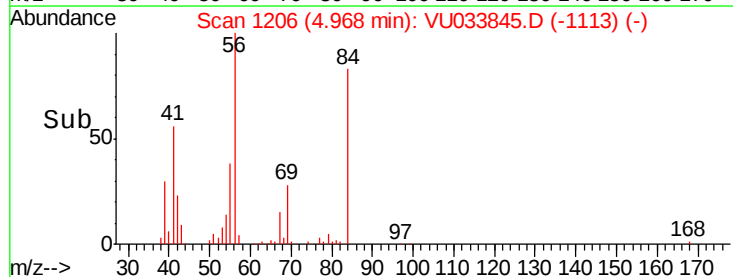
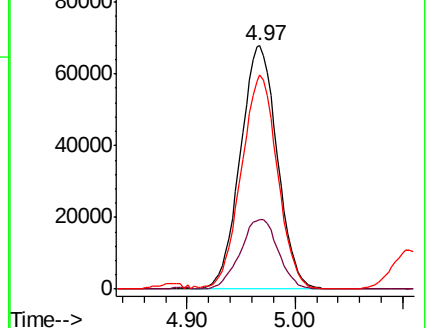
84 86.6 69.5 104.3

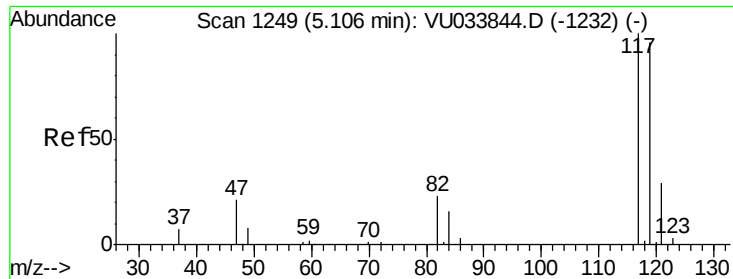


Abundance Ion 56.10 (55.80 to 56.80): VU033845.D (-1187) (-)

Ion 69.15 (68.85 to 69.85): VU033845.D (-1187) (-)

Ion 84.15 (83.85 to 84.85): VU033845.D (-1187) (-)





#31

Carbon tetrachloride

Concen: 9.730 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

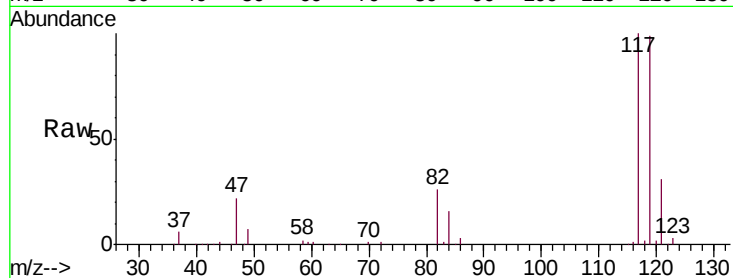
VSTD01002

Tgt Ion:117 Resp: 155835

Ion Ratio Lower Upper

117 100

119 97.1 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.11

80000

60000

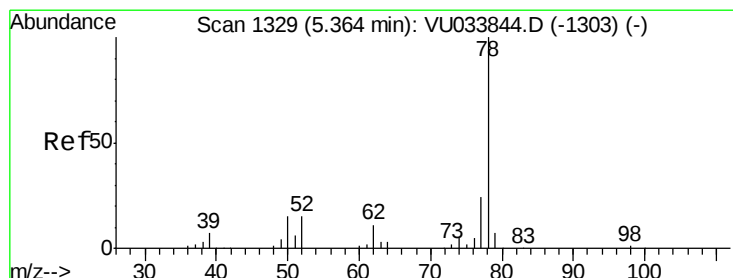
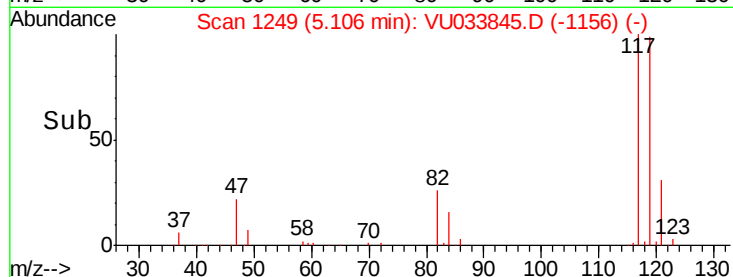
40000

20000

0

Time-->

5.00 5.10 5.20



#33

Benzene

Concen: 10.361 ug/L

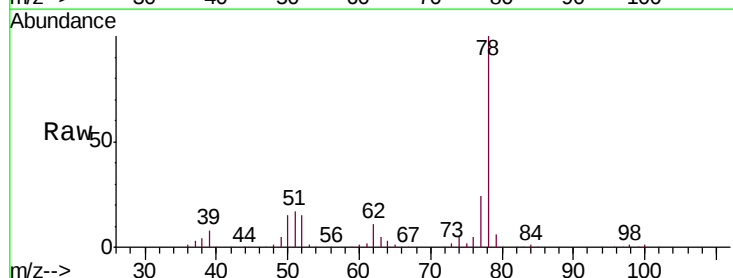
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Tgt Ion: 78 Resp: 445561



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.36

250000

200000

150000

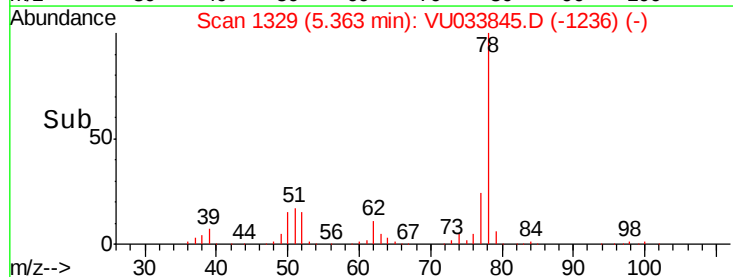
100000

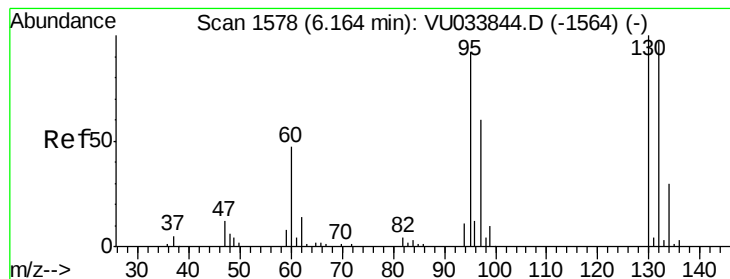
50000

0

Time-->

5.20 5.30 5.40 5.50





#34

Trichloroethene

Concen: 9.713 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tgt Ion: 95 Resp: 112057

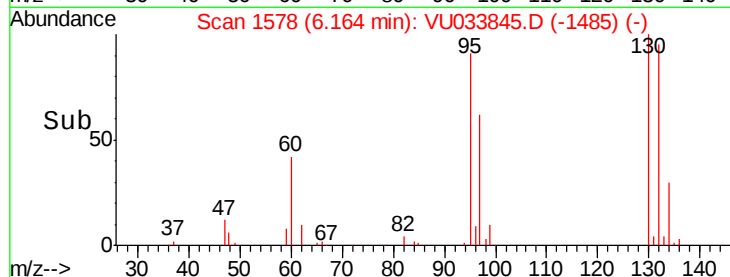
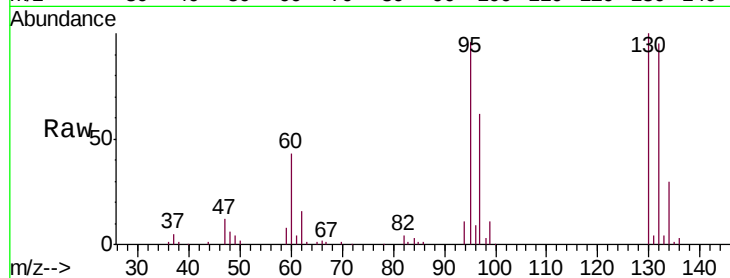
Ion Ratio Lower Upper

95 100

97 64.4 45.6 84.8

132 99.5 73.5 136.5

130 104.4 75.9 141.1

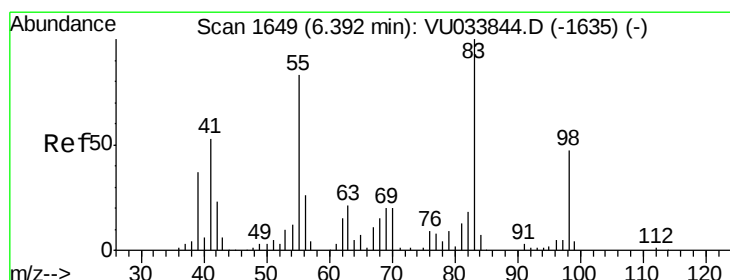
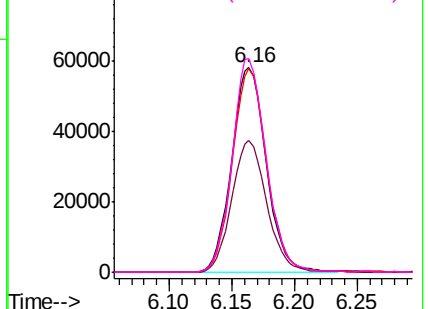


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.810 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

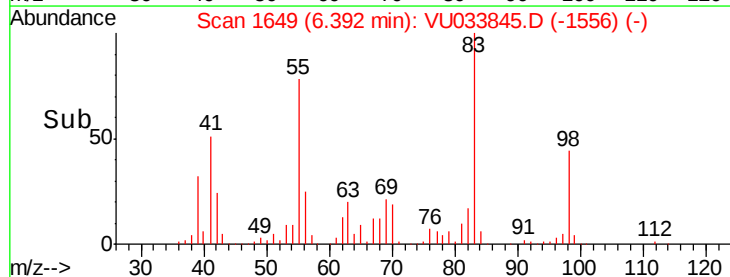
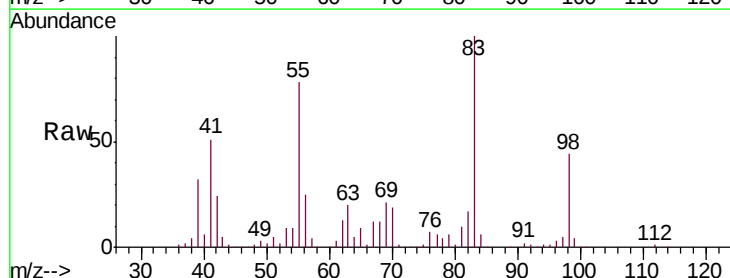
Tgt Ion: 83 Resp: 174284

Ion Ratio Lower Upper

83 100

55 79.9 64.3 96.5

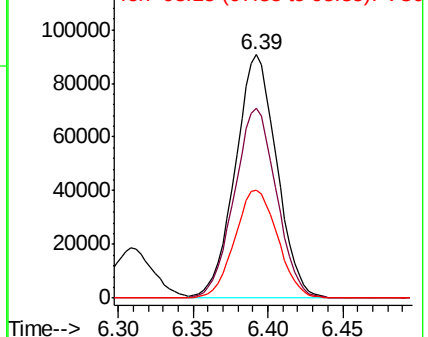
98 46.1 37.4 56.0

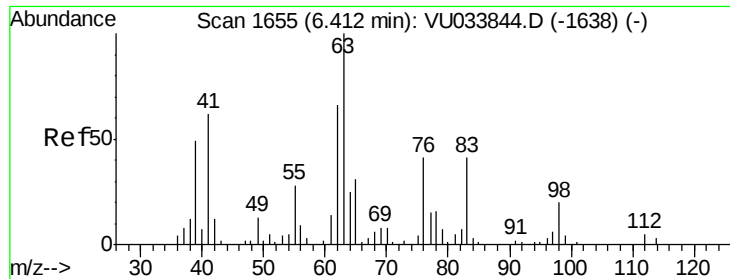


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

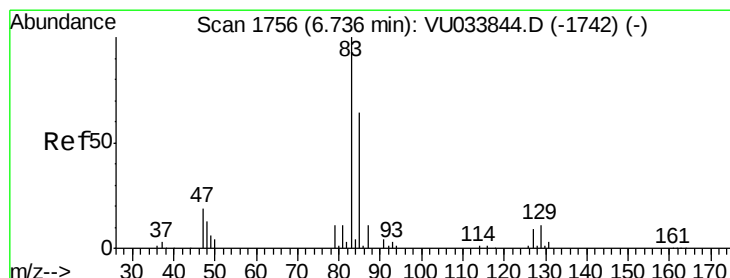
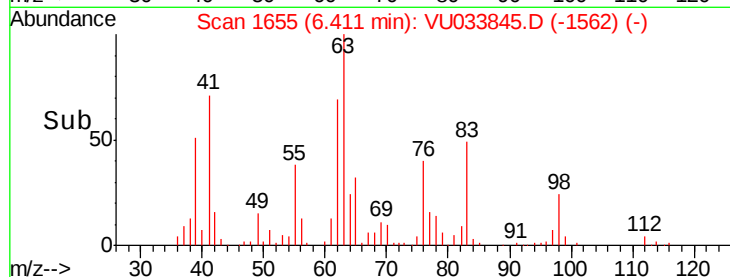
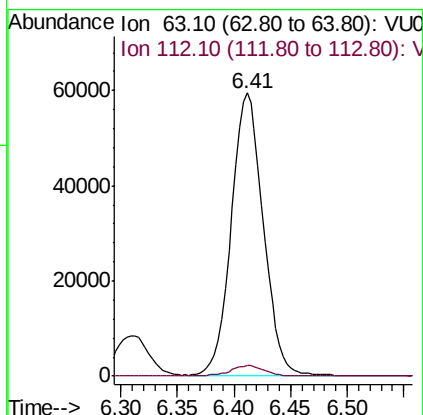
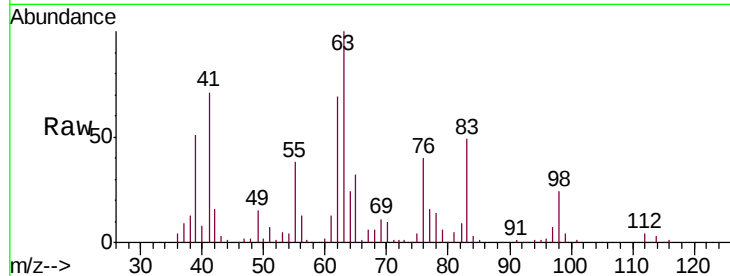




#37
 1,2-Dichloropropane
 Concen: 10.253 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

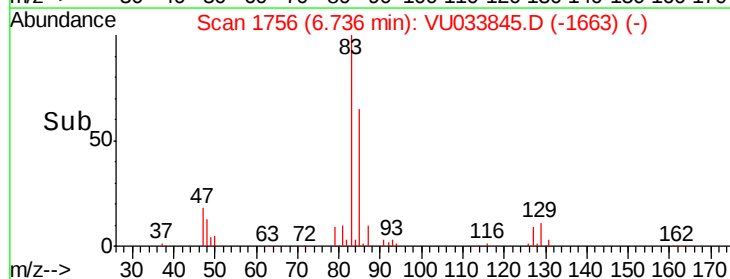
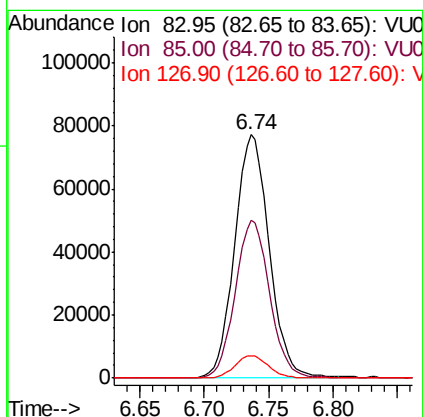
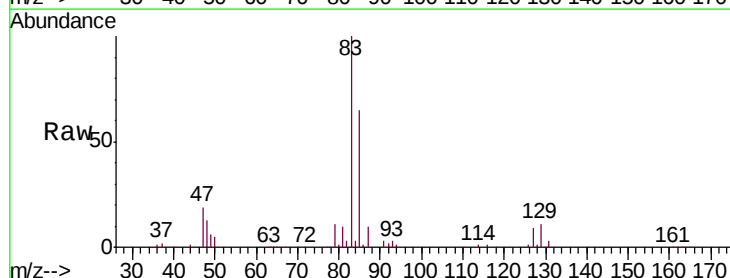
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

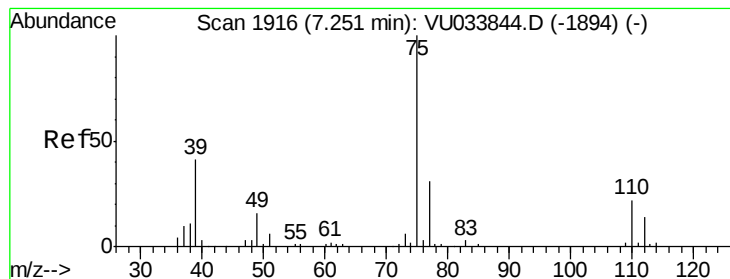
Tgt Ion: 63 Resp: 116672
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 9.831 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Tgt Ion: 83 Resp: 144064
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.7 83.1
 127 9.3 7.1 10.7



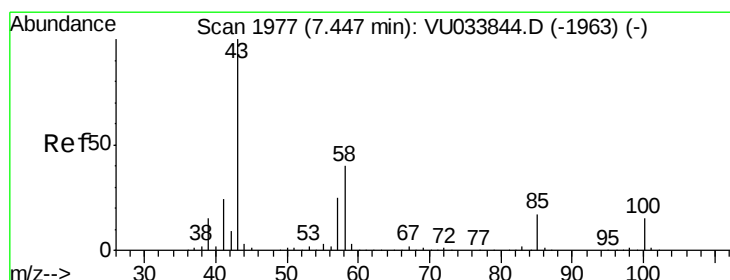
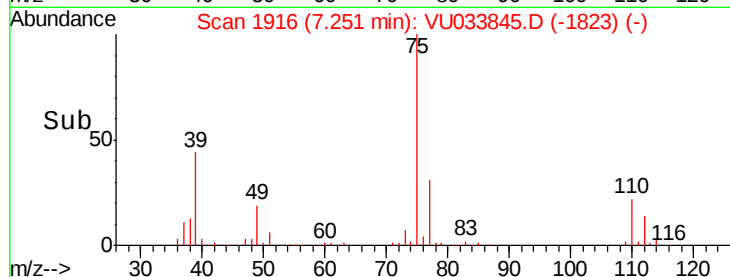
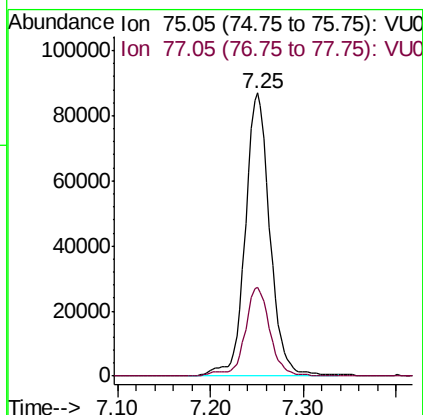
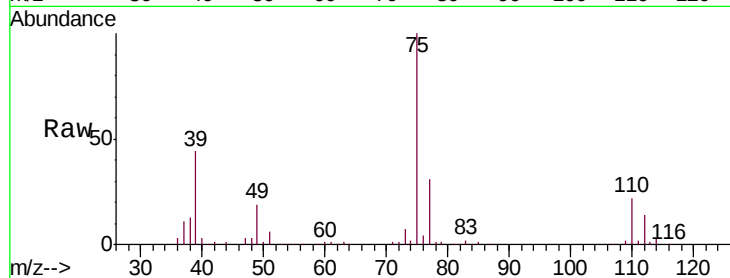


#39

cis-1,3-Dichloropropene
 Concen: 10.682 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

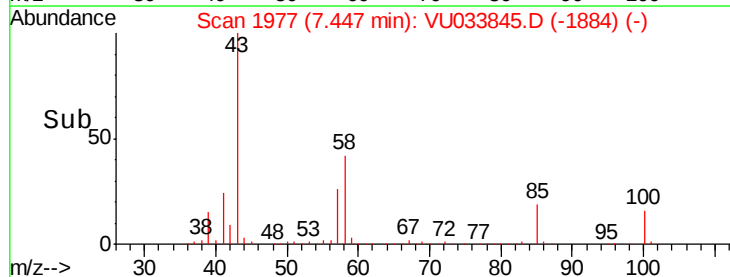
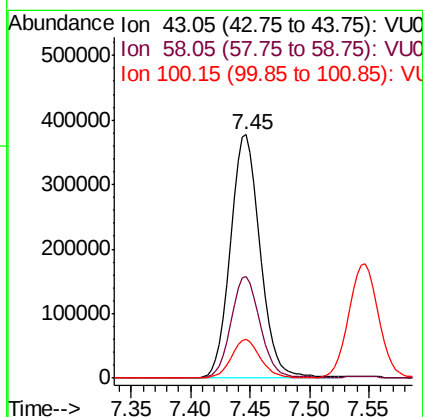
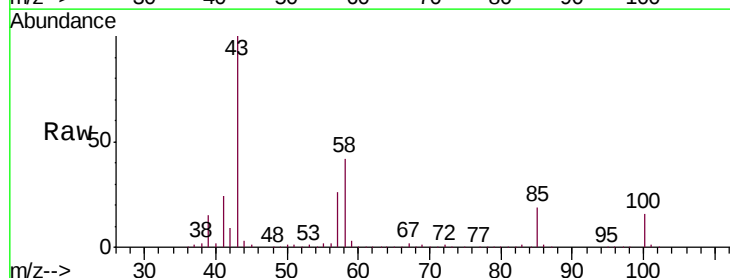
Tgt Ion: 75 Resp: 160610
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.6 40.2

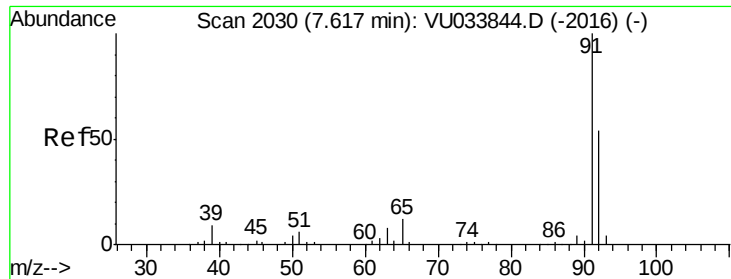


#40

4-Methyl-2-pentanone
 Concen: 108.715 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Tgt Ion: 43 Resp: 655138
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.0 48.0
 100 15.4 11.8 17.6





#42

Toluene

Concen: 10.898 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

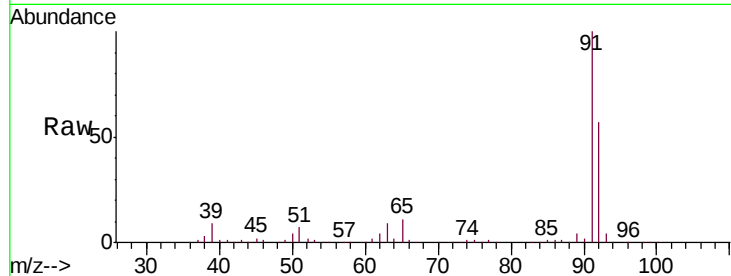
VSTD01002

Tgt Ion: 91 Resp: 480044

Ion Ratio Lower Upper

91 100

92 57.1 38.1 70.7



Abundance Ion 91.15 (90.85 to 91.85): VU033844.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU033844.D (-2016) (-)

7.62

300000

250000

200000

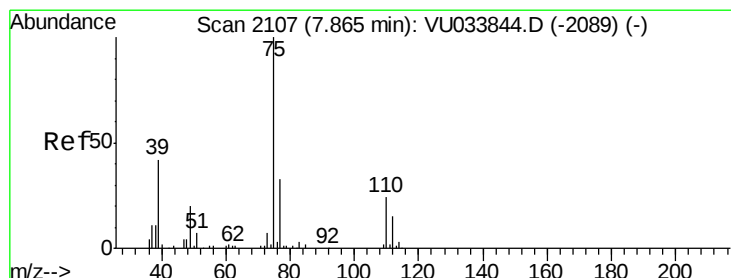
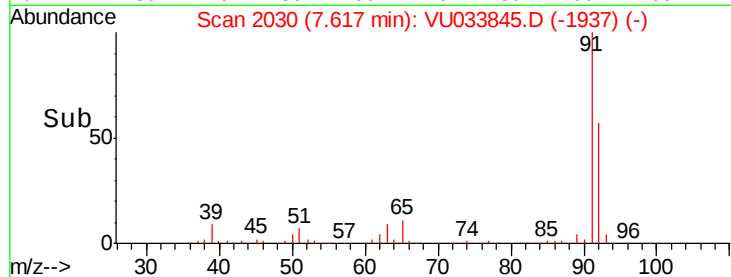
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#44

trans-1,3-Dichloropropene

Concen: 10.454 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033845.D

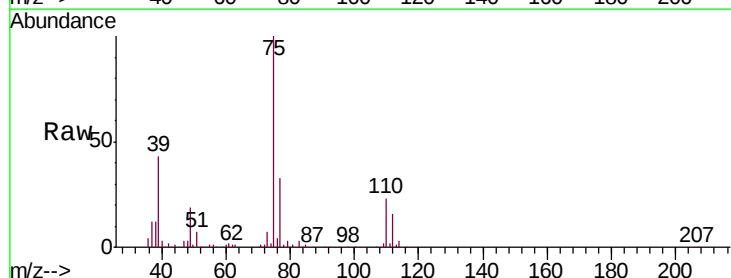
Acq: 20 Aug 2019 11:15

Tgt Ion: 75 Resp: 131449

Ion Ratio Lower Upper

75 100

77 33.0 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU033844.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU033844.D (-2089) (-)

7.86

80000

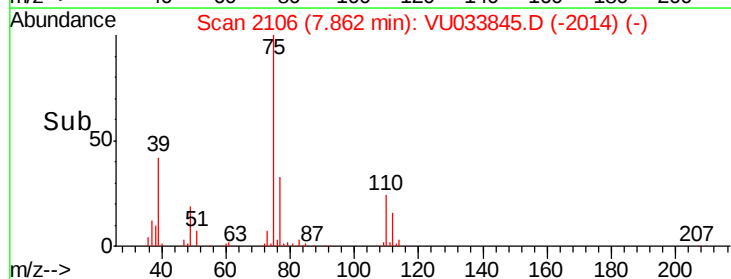
60000

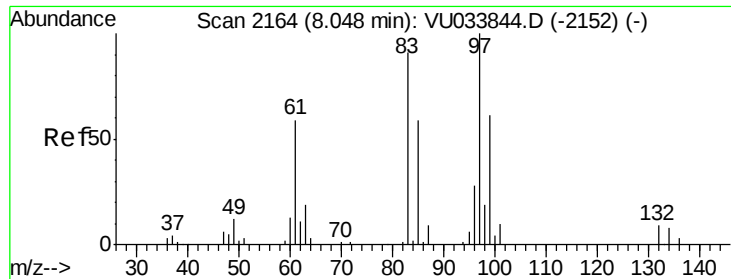
40000

20000

0

Time--> 7.75 7.80 7.85 7.90 7.95

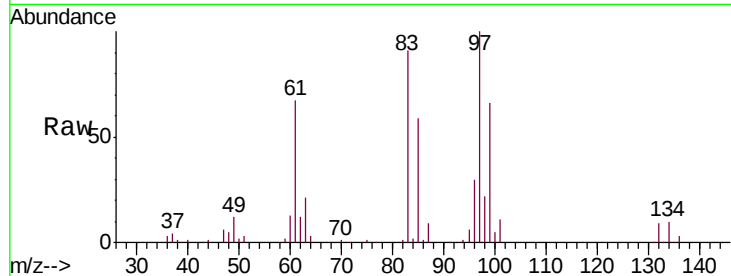




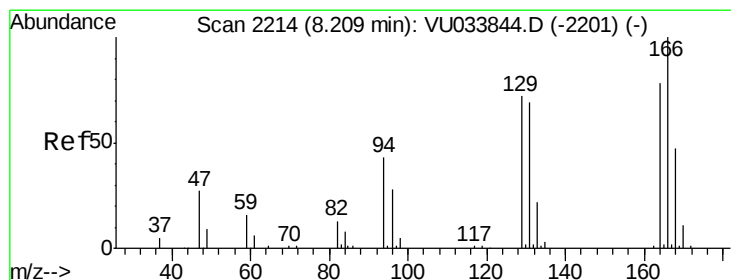
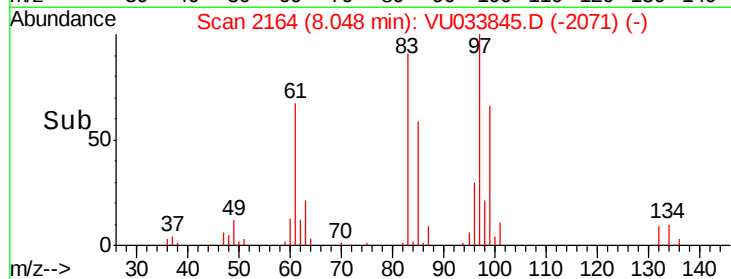
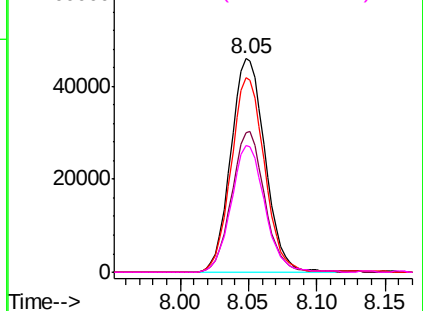
#45
 1,1,2-Trichloroethane
 Concen: 9.883 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:	97	Resp:	80485
Ion	Ratio	Lower	Upper
97	100		
99	65.6	42.8	79.6
83	91.3	63.6	118.0
85	59.3	41.2	76.6

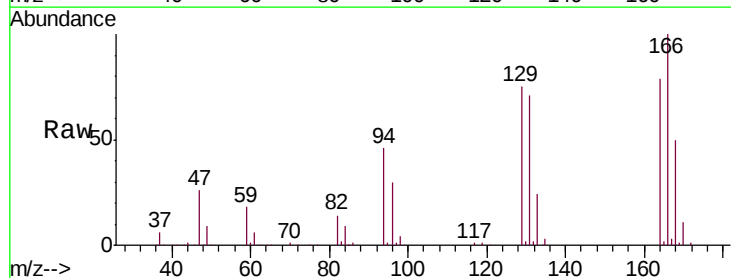


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

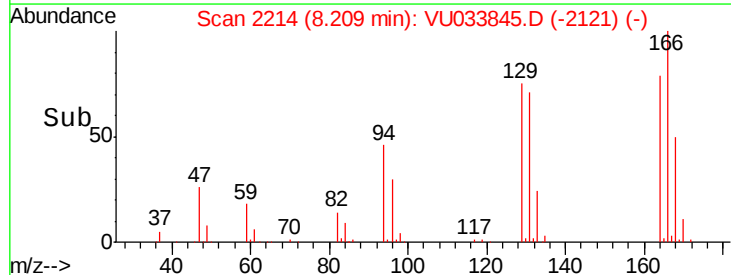
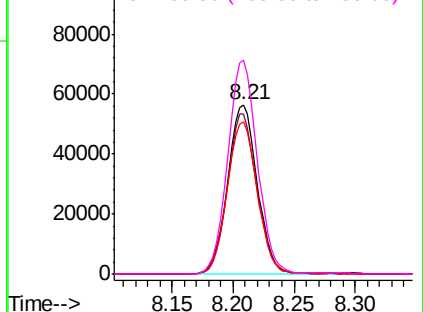


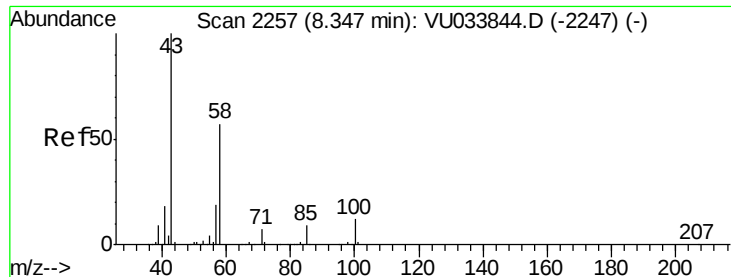
#47
 Tetrachloroethene
 Concen: 10.144 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Tgt Ion:	164	Resp:	96007
Ion	Ratio	Lower	Upper
164	100		
129	94.3	63.9	118.7
131	89.6	61.5	114.1
166	126.0	89.2	165.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

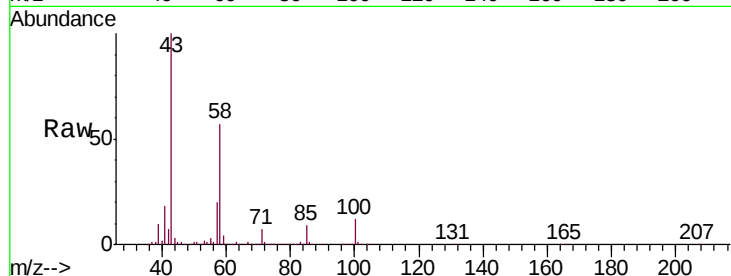




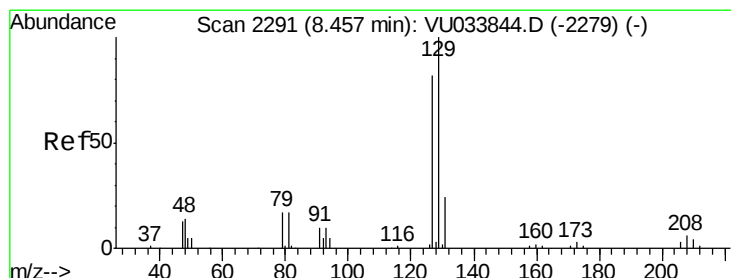
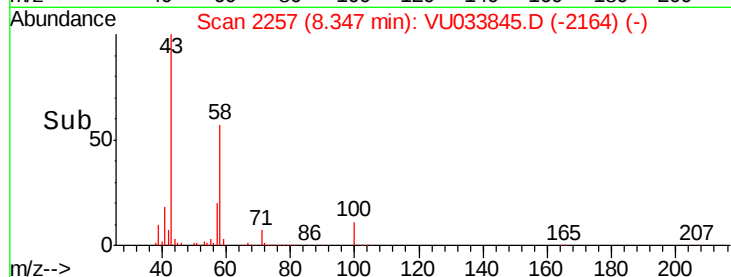
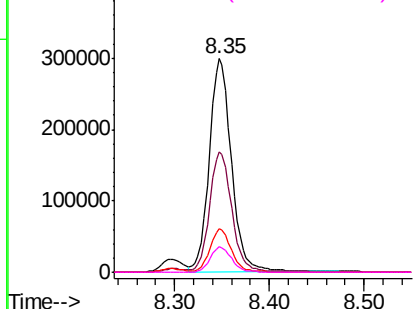
#48
2-Hexanone
Concen: 110.682 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion: 43 Resp: 487365
Ion Ratio Lower Upper
43 100
58 56.6 45.1 67.7
57 19.1 15.4 23.0
100 11.6 8.9 13.3

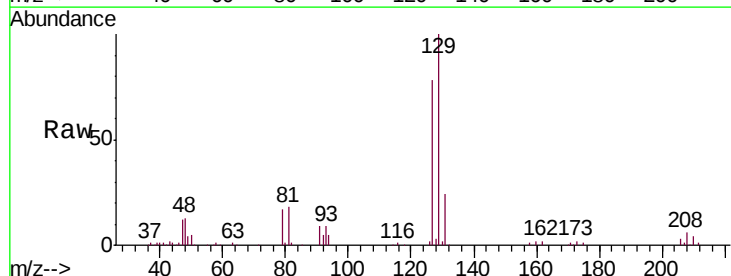


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

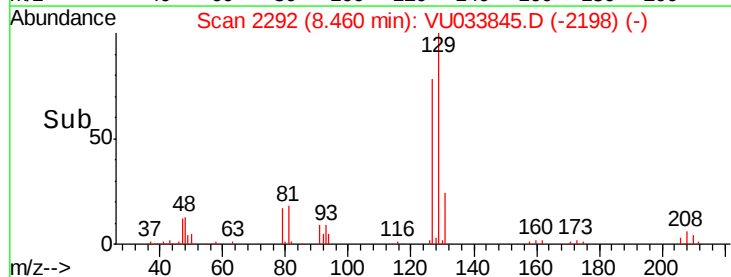
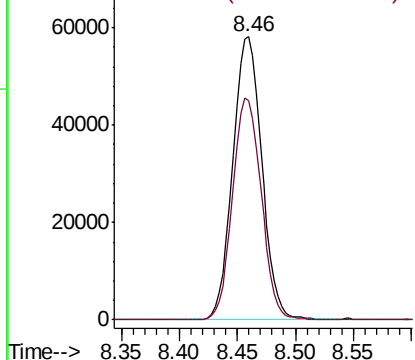


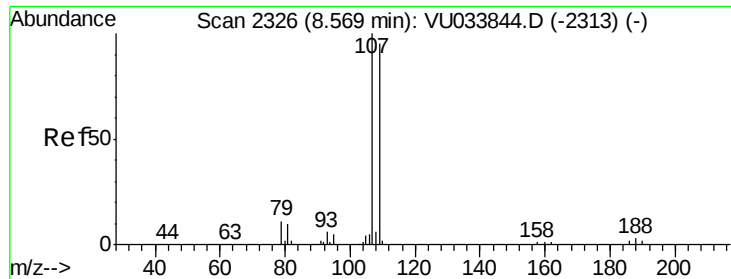
#49
Dibromochloromethane
Concen: 9.973 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

Tgt Ion: 129 Resp: 101396
Ion Ratio Lower Upper
129 100
127 77.7 57.1 106.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

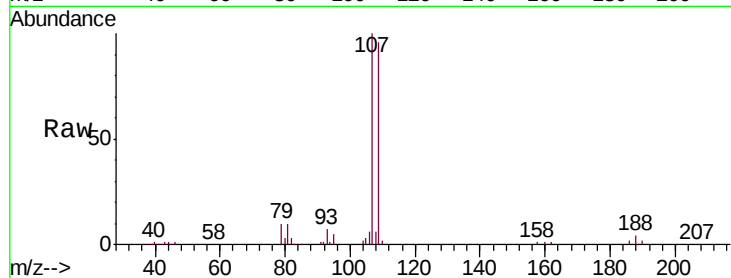




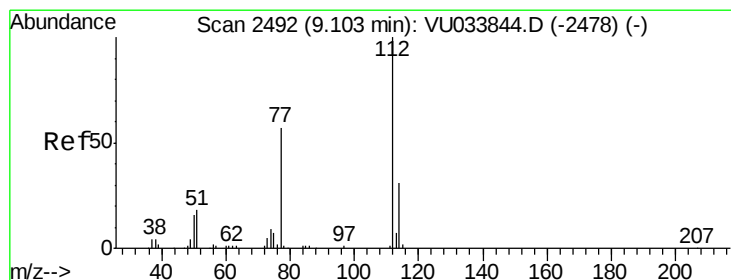
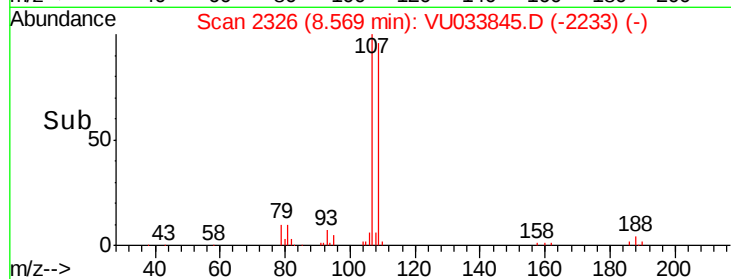
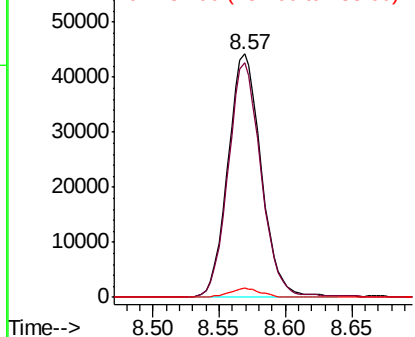
#50
 1,2-Dibromoethane
 Concen: 9.929 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:107 Resp: 77286
 Ion Ratio Lower Upper
 107 100
 109 96.2 66.3 123.1
 188 3.7 2.4 3.6#

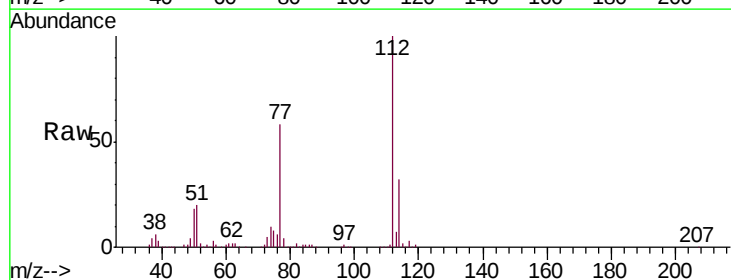


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

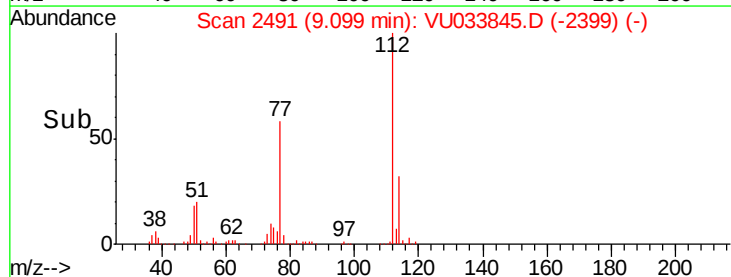
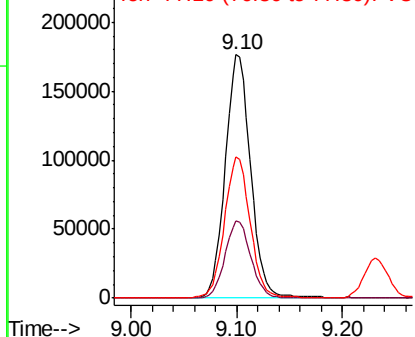


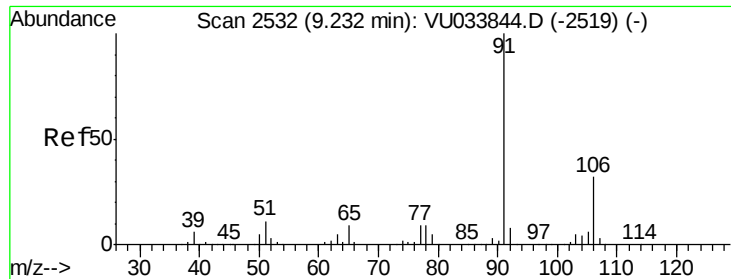
#51
 Chlorobenzene
 Concen: 10.096 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Tgt Ion:112 Resp: 294113
 Ion Ratio Lower Upper
 112 100
 114 31.5 21.3 39.6
 77 57.9 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 10.956 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

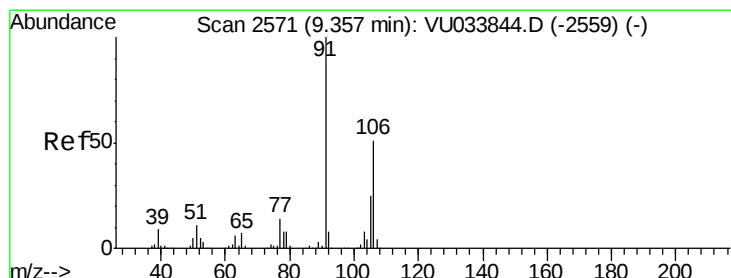
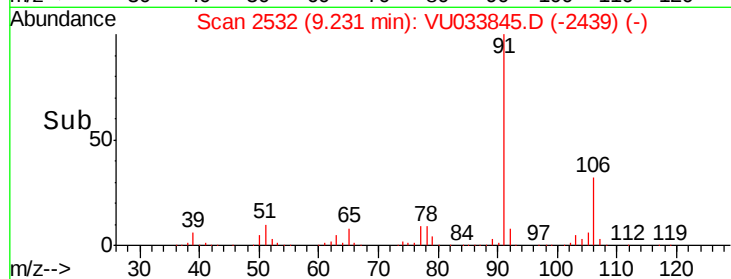
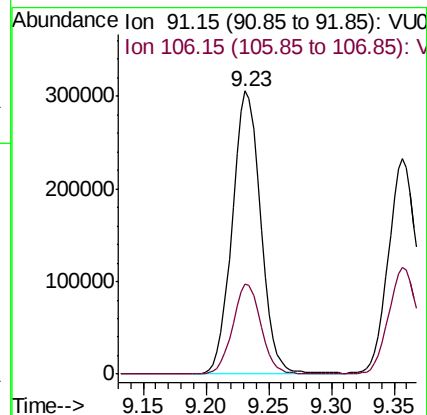
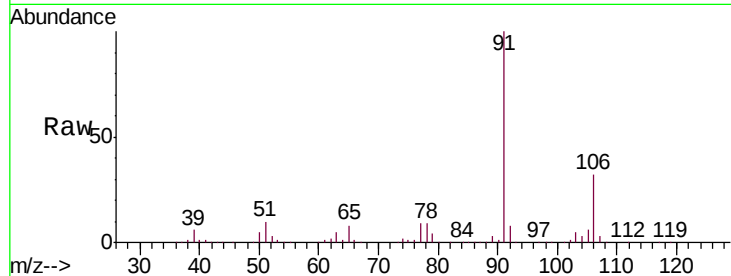
VSTD01002

Tgt Ion: 91 Resp: 483066

Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.3



#53

m,p-Xylene

Concen: 11.419 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033845.D

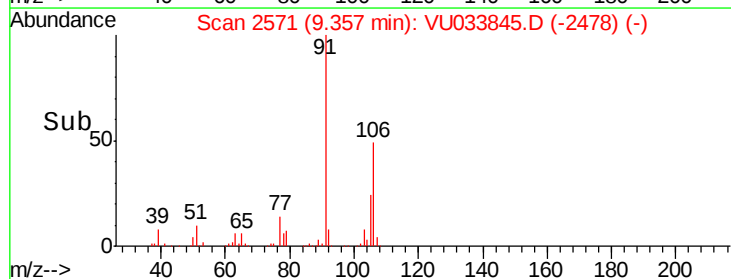
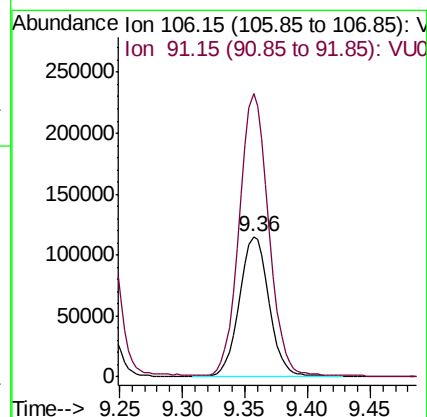
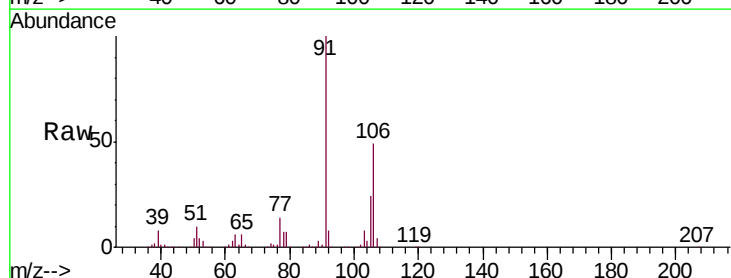
Acq: 20 Aug 2019 11:15

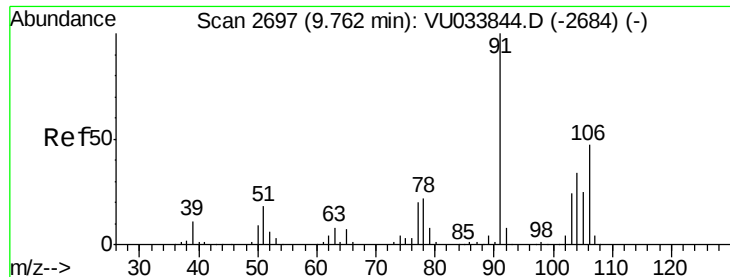
Tgt Ion: 106 Resp: 188998

Ion Ratio Lower Upper

106 100

91 202.1 137.7 255.7

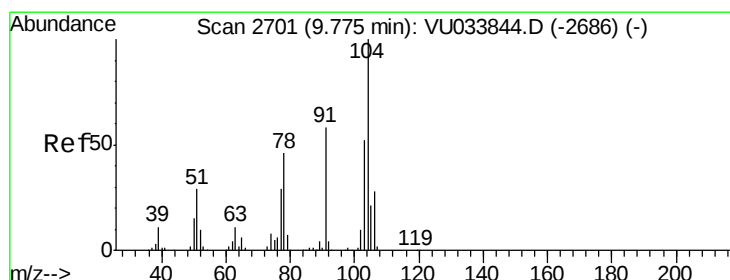
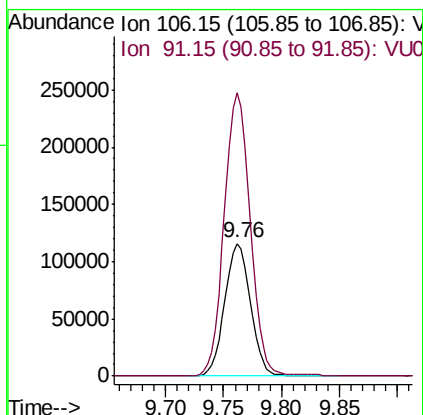
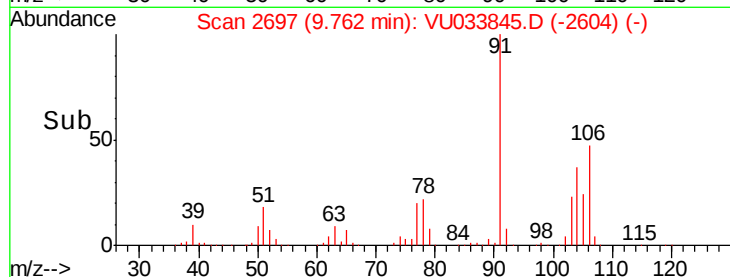
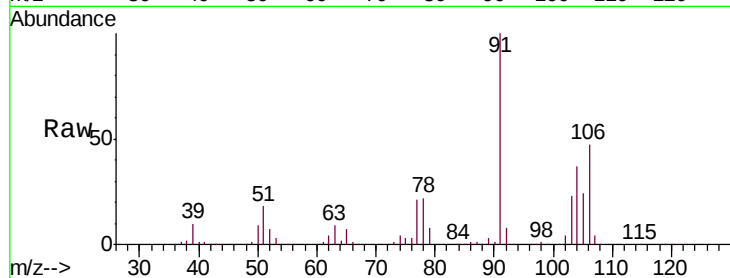




#54
o-Xylene
Concen: 11.257 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

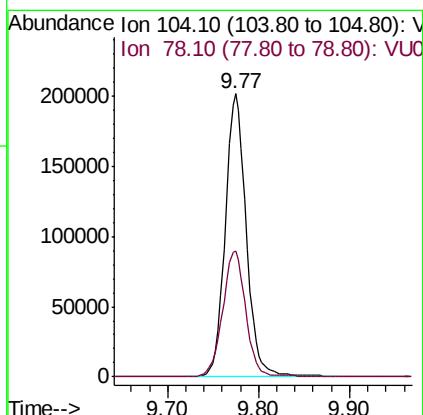
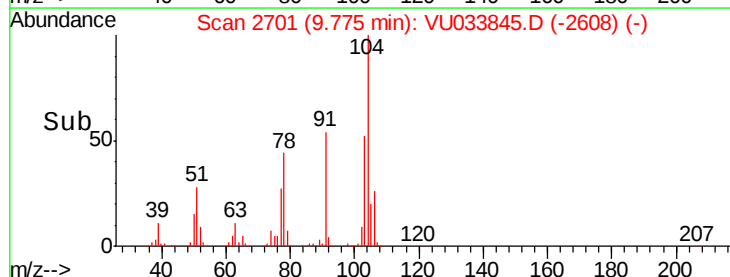
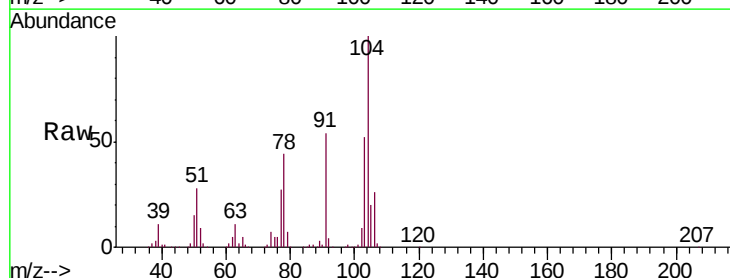
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

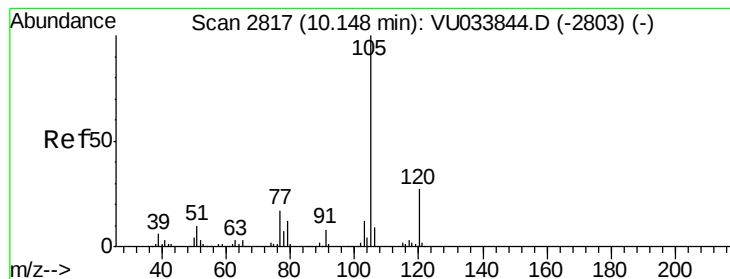
Tgt Ion:106 Resp: 178660
Ion Ratio Lower Upper
106 100
91 213.3 148.6 276.0



#55
Styrene
Concen: 11.774 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

Tgt Ion:104 Resp: 323885
Ion Ratio Lower Upper
104 100
78 44.3 32.3 59.9





#56

Isopropylbenzene

Concen: 11.476 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

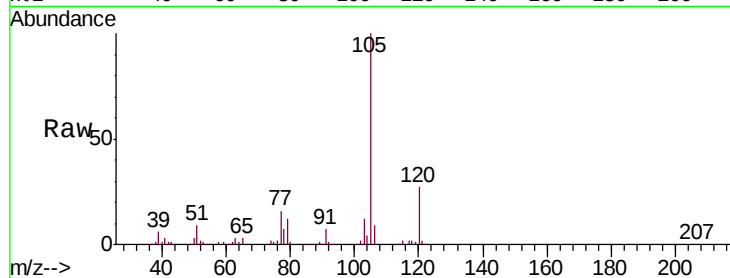
Tgt Ion: 105 Resp: 471286

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

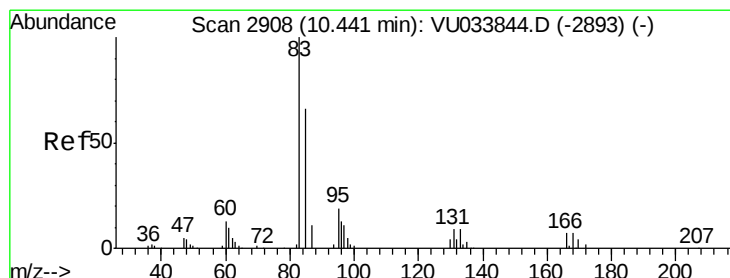
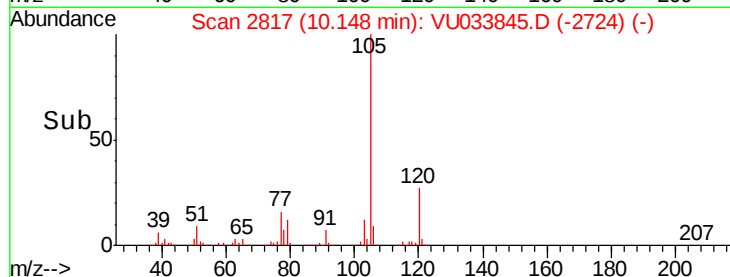
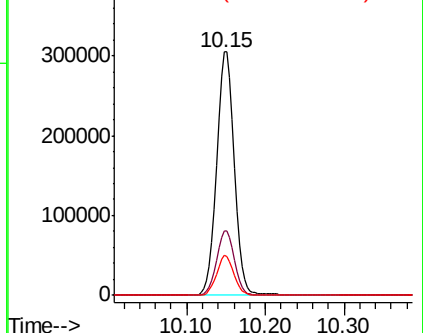
77 16.0 13.1 19.7



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.911 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

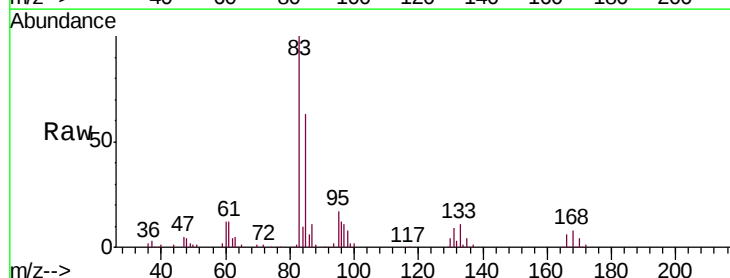
Tgt Ion: 83 Resp: 101322

Ion Ratio Lower Upper

83 100

85 62.5 46.5 86.3

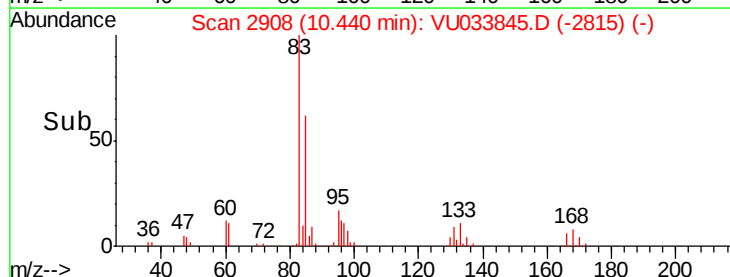
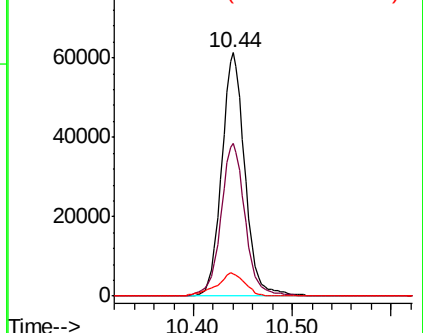
131 9.3 7.1 10.7

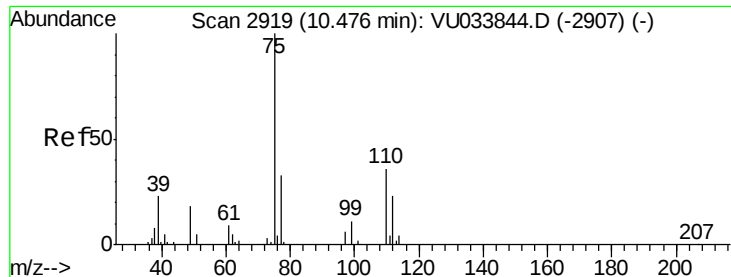


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.906 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

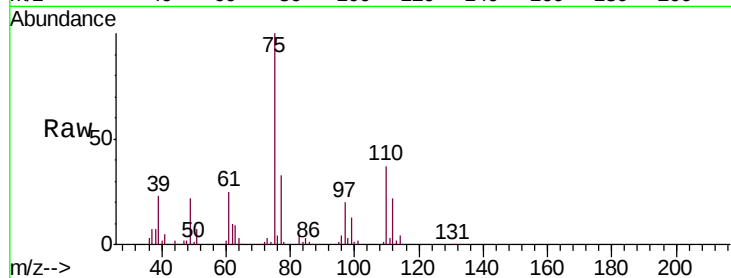
VSTD01002

Tgt Ion: 75 Resp: 73862

Ion Ratio Lower Upper

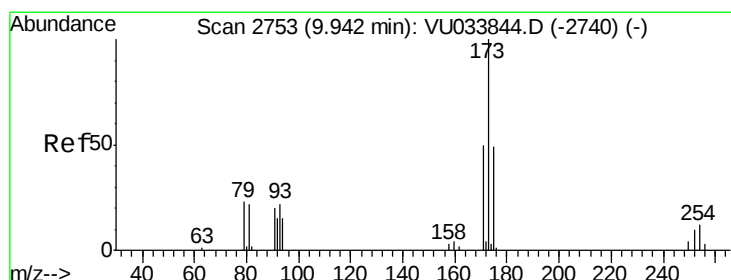
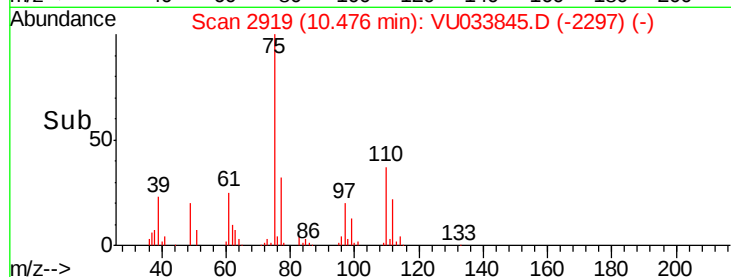
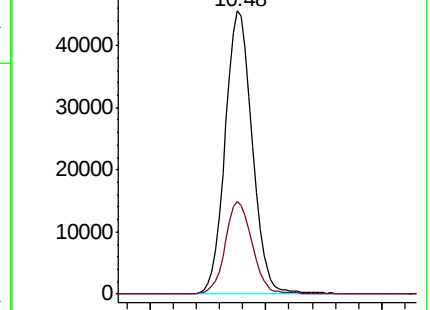
75 100

77 32.6 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU033844.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033844.D (-2907) (-)



#61

Bromoform

Concen: 9.189 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

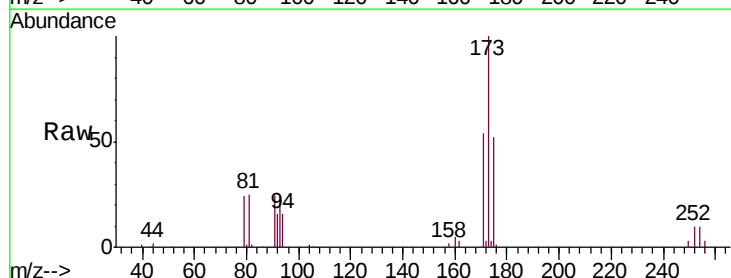
Tgt Ion: 173 Resp: 56749

Ion Ratio Lower Upper

173 100

175 49.9 39.3 58.9

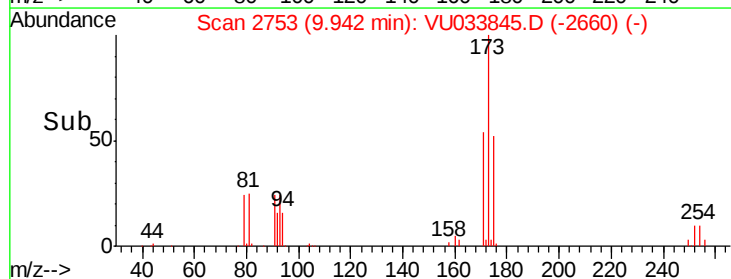
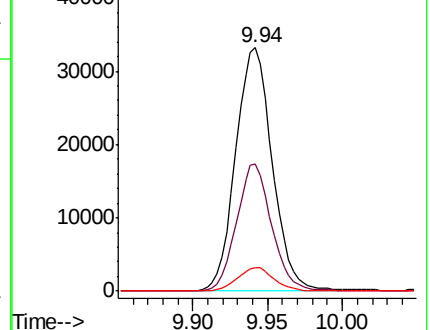
254 9.6 8.1 12.1

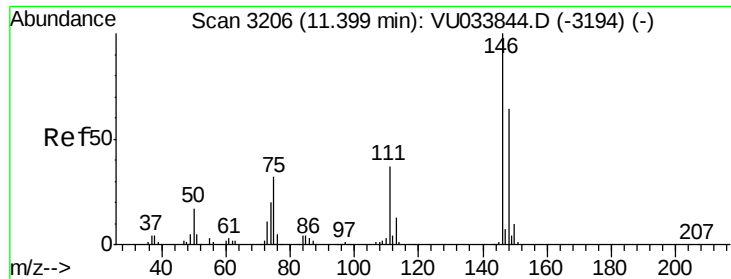


Abundance Ion 172.90 (172.60 to 173.60): VU033844.D (-2740) (-)

Ion 174.90 (174.60 to 175.60): VU033844.D (-2740) (-)

Ion 253.75 (253.45 to 254.45): VU033844.D (-2740) (-)





#62

1,3-Dichlorobenzene

Concen: 9.826 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

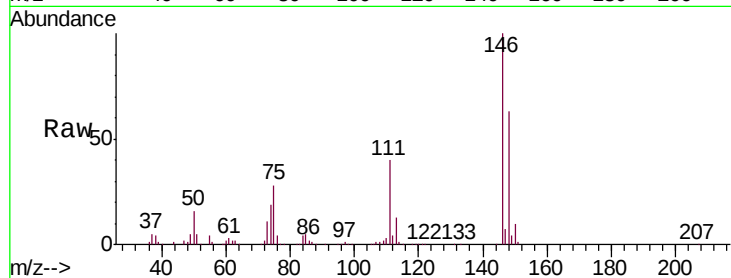
Tgt Ion:146 Resp: 244062

Ion Ratio Lower Upper

146 100

111 40.3 25.9 48.1

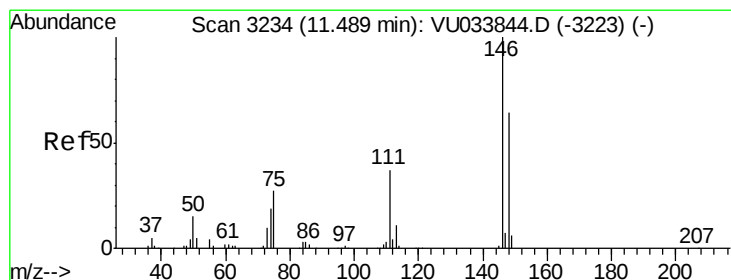
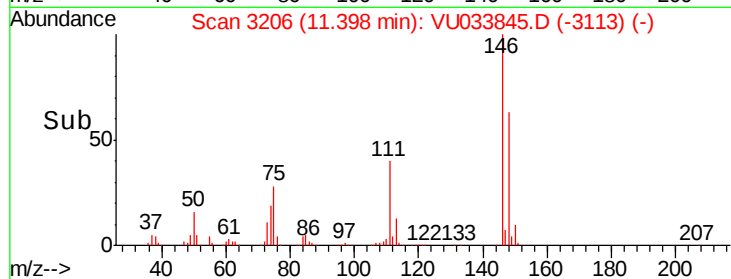
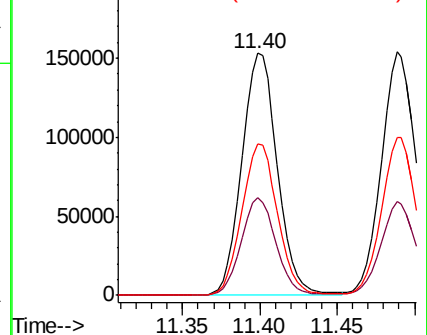
148 62.6 44.7 83.1



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



#63

1,4-Dichlorobenzene

Concen: 9.553 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

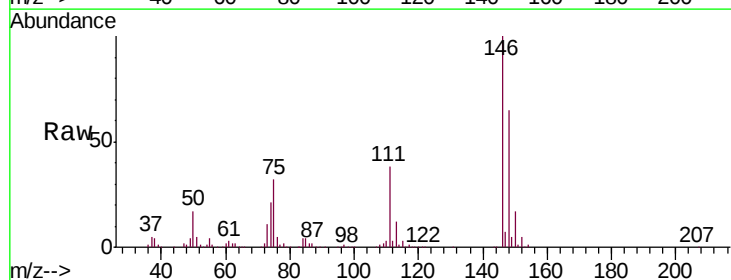
Tgt Ion:146 Resp: 243966

Ion Ratio Lower Upper

146 100

111 38.4 26.2 48.6

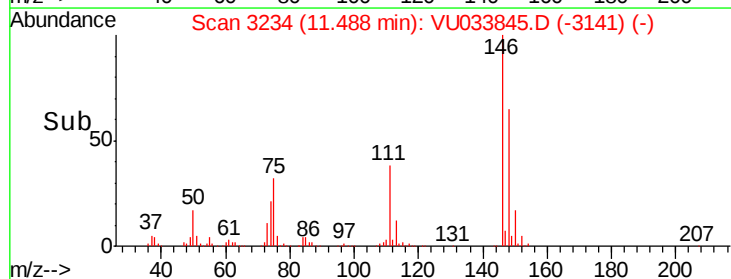
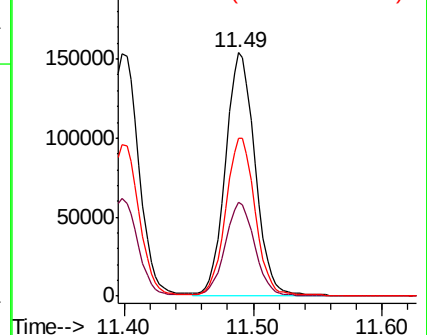
148 64.7 44.7 83.1

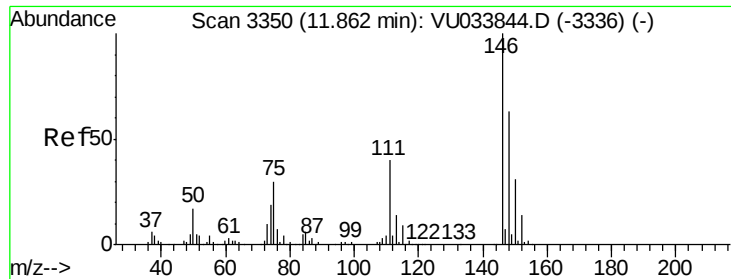


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

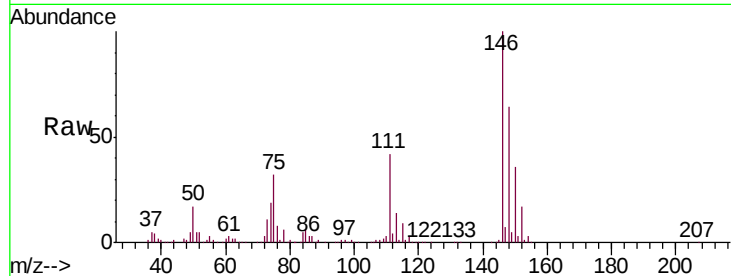




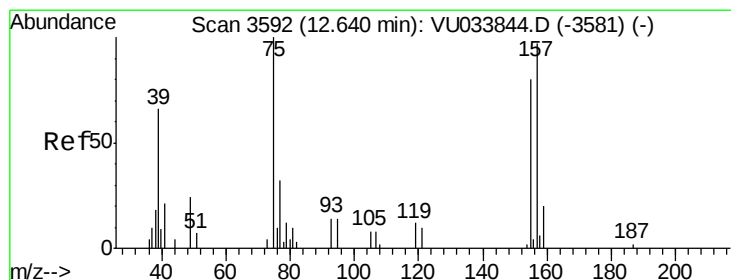
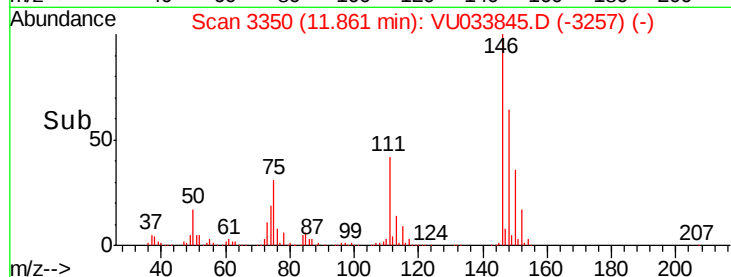
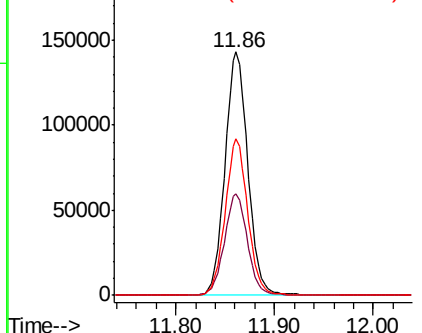
#65
 1,2-Dichlorobenzene
 Concen: 9.720 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	31.9	47.9
148	64.5	50.6	76.0

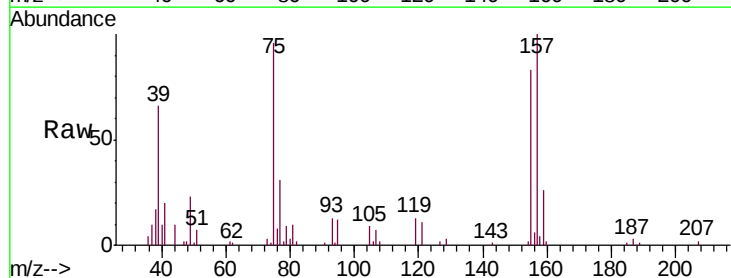


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

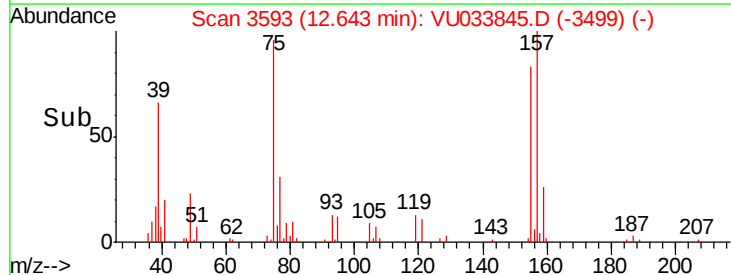
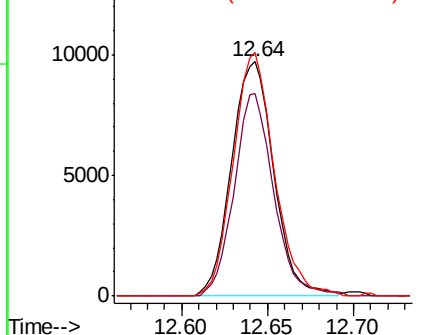


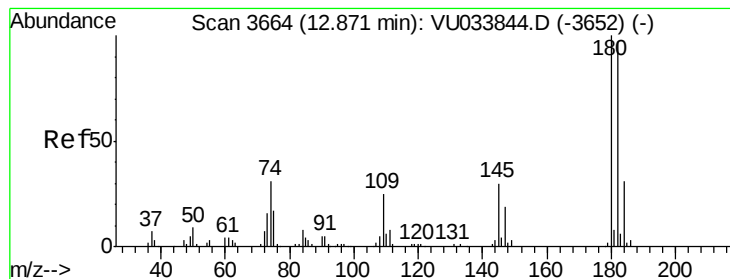
#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.779 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033845.D
 Acq: 20 Aug 2019 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	64.1	96.1
157	103.9	77.5	116.3



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





#67

1,3,5-Trichlorobenzene

Concen: 9.918 ug/L

RT: 12.87 min Scan# 3664

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tgt Ion:180 Resp: 186967

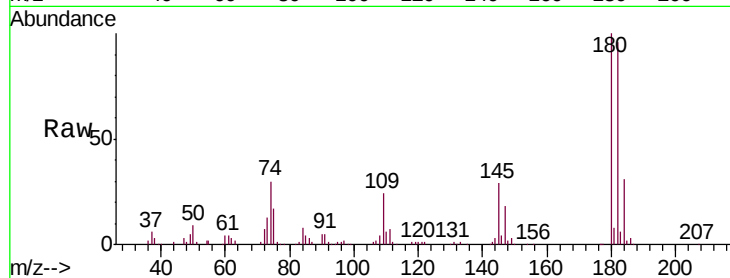
Ion Ratio Lower Upper

180 100

182 95.8 77.5 116.3

184 30.7 24.2 36.4

145 28.8 23.4 35.2

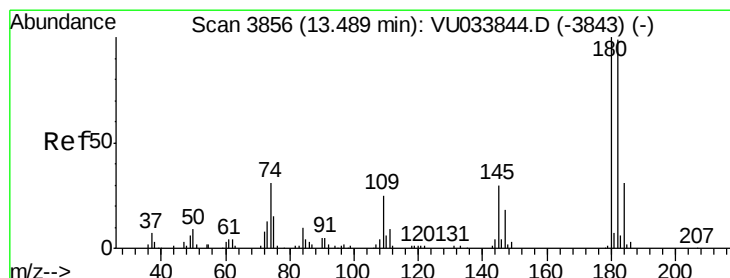
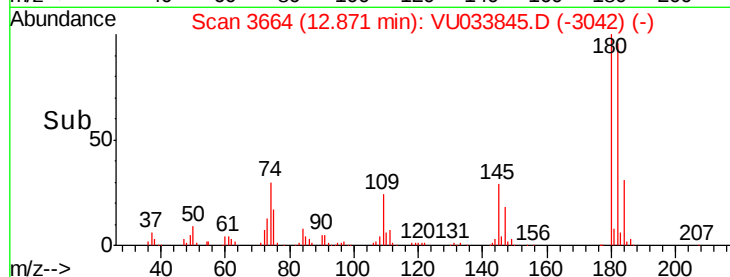
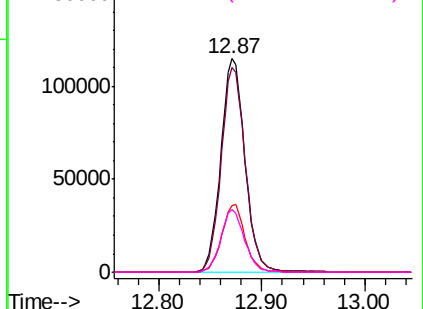


Abundance Ion 180.00 (179.70 to 180.70): V

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



#68

1,2,4-trichlorobenzene

Concen: 10.849 ug/L

RT: 13.49 min Scan# 3856

Delta R.T. -0.00 min

Lab File: VU033845.D

Acq: 20 Aug 2019 11:15

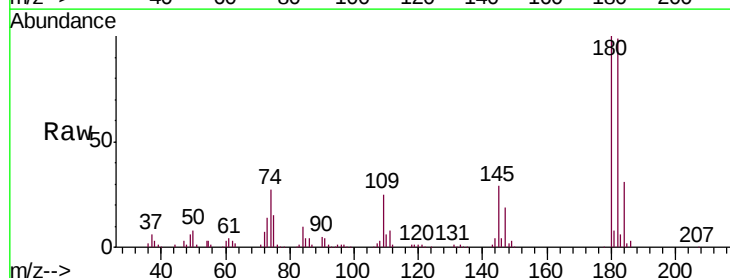
Tgt Ion:180 Resp: 148852

Ion Ratio Lower Upper

180 100

182 97.5 77.6 116.4

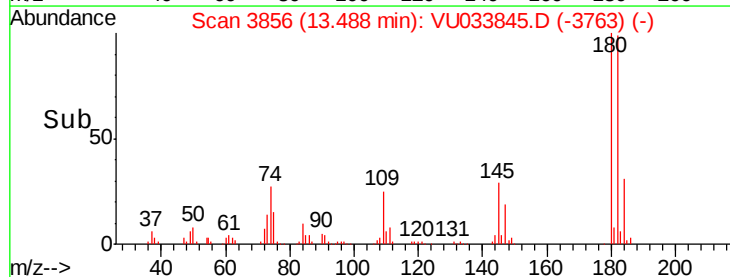
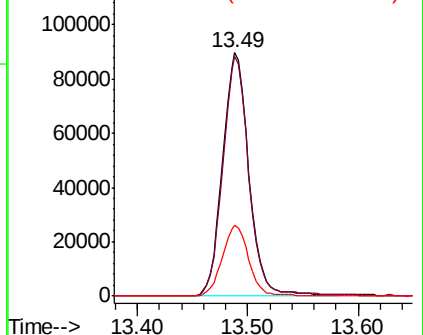
145 28.7 24.4 36.6

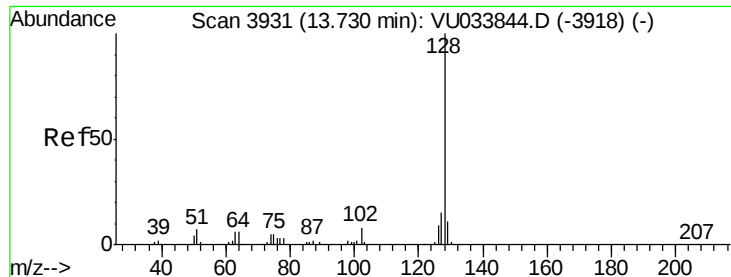


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

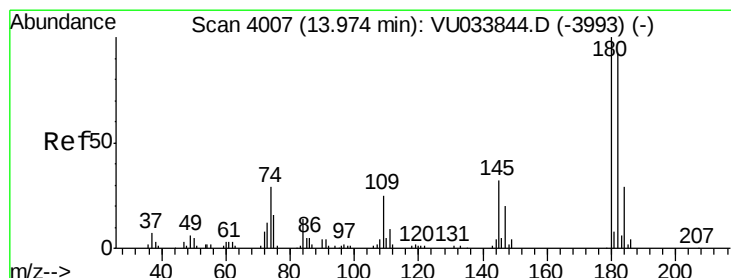
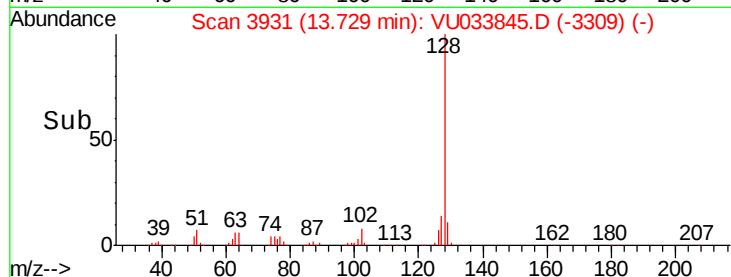
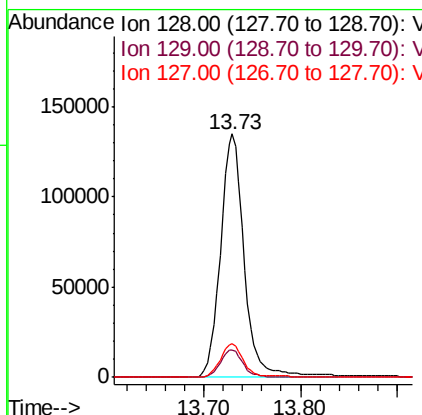
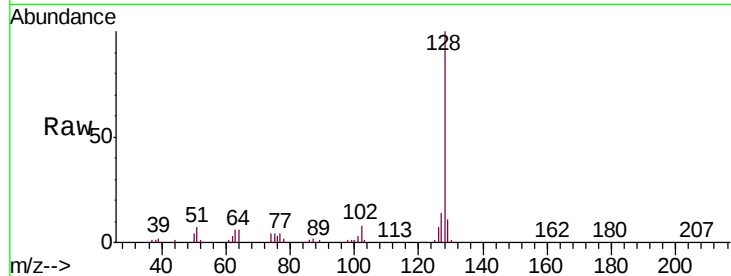




#69
Naphthalene
Concen: 12.253 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion:128 Resp: 230059
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.2 10.9 16.3



#70
1,2,3-Trichlorobenzene
Concen: 11.517 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033845.D
Acq: 20 Aug 2019 11:15

Tgt Ion:180 Resp: 148451
Ion Ratio Lower Upper
180 100
182 94.2 76.9 115.3
145 31.5 24.6 36.8

