

Data File : VU033843.D
Acq On : 20 Aug 2019 10:26
Operator : JC/SP
Sample : VSTD00106
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Quant Time: Aug 21 05:10:17 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	168434	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	176767	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	85714	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	15040	1.05	ug/L	0.00
7) Chloroethane-d5	1.67	69	13145	1.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	29713	1.03	ug/L	0.00
20) 2-Butanone-d5	4.18	46	27591	9.70	ug/L	0.01
24) Chloroform-d	4.63	84	24943	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	13485	1.04	ug/L	0.00
32) Benzene-d6	5.32	84	43045	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	14593	1.01	ug/L	0.00
41) Toluene-d8	7.55	98	37502	0.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5429	0.98	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	14775	7.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	12512	1.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	15404	1.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	15229	0.998 ug/L	94
3) Chloromethane	1.32	50	15176	1.024 ug/L	98
5) Vinyl chloride	1.39	62	17221	1.033 ug/L	99
6) Bromomethane	1.62	94	11426	1.046 ug/L	98
8) Chloroethane	1.69	64	10220	1.044 ug/L	94
9) Trichlorofluoromethane	1.87	101	21873	1.032 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12527	1.021 ug/L	97
12) 1,1-Dichloroethene	2.27	96	11789	1.012 ug/L	95
13) Acetone	2.32	43	22077	10.148 ug/L	99
14) Carbon disulfide	2.46	76	40813	1.019 ug/L	99
15) Methyl Acetate	2.60	43	6096	1.118 ug/L	100
16) Methylene chloride	2.68	84	14442	1.056 ug/L	94
17) Methyl tert-butyl Ether	2.98	73	29566	1.012 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	13026	1.015 ug/L	97
19) 1,1-Dichloroethane	3.42	63	19036	1.023 ug/L	99
21) 2-Butanone	4.26	43	21544	9.235 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	10022	0.993 ug/L	99
23) Bromochloromethane	4.53	128	4967	1.018 ug/L	94
25) Chloroform	4.65	83	22543	1.071 ug/L	95
27) 1,2-Dichloroethane	5.39	62	12338	1.033 ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	16285	1.016 ug/L	97
30) Cyclohexane	4.97	56	12075	0.892 ug/L	99
31) Carbon tetrachloride	5.11	117	14904	1.032 ug/L	95
33) Benzene	5.37	78	37461	0.966 ug/L	100
34) Trichloroethene	6.17	95	9915	0.953 ug/L	98
35) Methylcyclohexane	6.39	83	12922	0.889 ug/L	96
37) 1,2-Dichloropropane	6.41	63	9986	0.973 ug/L	99
38) Bromodichloromethane	6.74	83	13600	1.029 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	12391	0.914 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	47351	8.711 ug/L	95

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	34901	0.878	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	10482	0.924	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	7455	1.015	ug/L	94
47) Tetrachloroethene	8.21	164	8597	1.007	ug/L	94
48) 2-Hexanone	8.35	43	31832	8.014	ug/L	96
49) Dibromochloromethane	8.46	129	9358	1.020	ug/L	97
50) 1,2-Dibromoethane	8.57	107	6903	0.983	ug/L #	95
51) Chlorobenzene	9.10	112	25320	0.964	ug/L	96
52) Ethylbenzene	9.23	91	34991	0.880	ug/L	96
53) m,p-Xylene	9.36	106	11539	0.773	ug/L	85
54) o-Xylene	9.76	106	11624	0.812	ug/L	100
55) Styrene	9.78	104	19372	0.781	ug/L	99
56) Isopropylbenzene	10.15	105	29369	0.793	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	8677	0.941	ug/L	94
59) 1,2,3-Trichloropropane	10.48	75	6548	0.974	ug/L	97
61) Bromoform	9.94	173	4821	1.018	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	19365	1.017	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	19455	0.994	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	18855	1.023	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	1434	1.100	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	14079	0.974	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	9404	0.894	ug/L	92
69) Naphthalene	13.74	128	9934	0.690	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	8377	0.848	ug/L	96

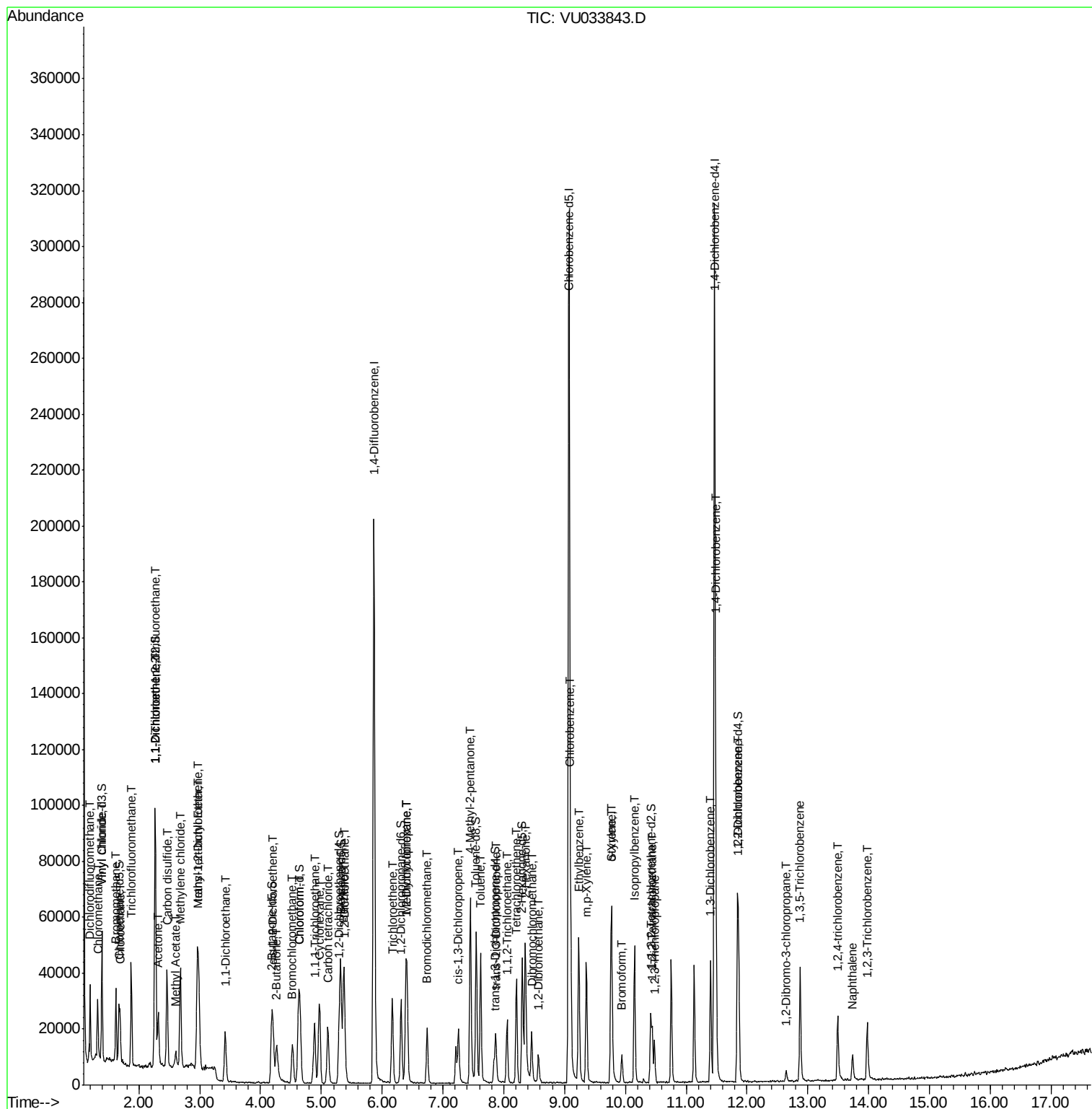
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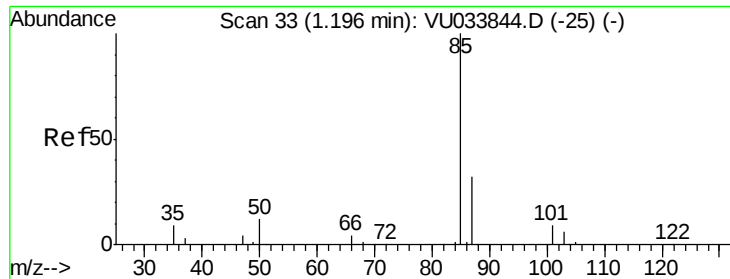
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```
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#2

Dichlorodifluoromethane

Concen: 0.998 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

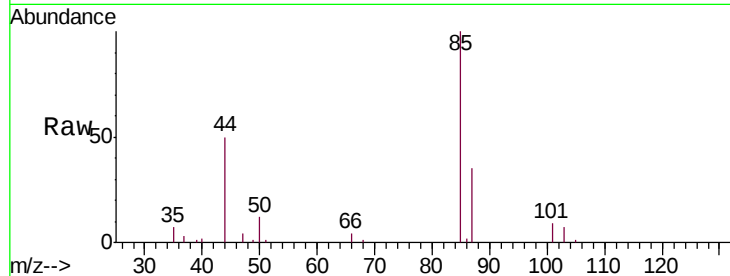
VSTD00106

Tgt Ion: 85 Resp: 15229

Ion Ratio Lower Upper

85 100

87 35.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU033843.D (-25) (-)

Ion 87.00 (86.70 to 87.70): VU033843.D (-25) (-)

1.20

15000

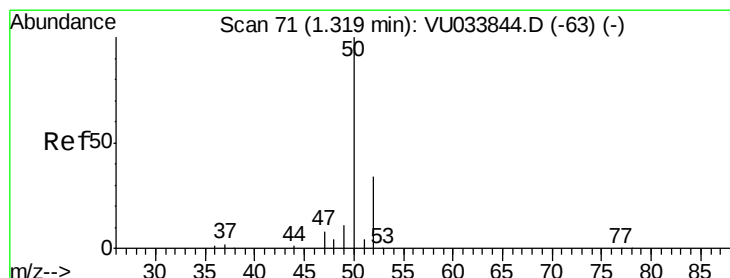
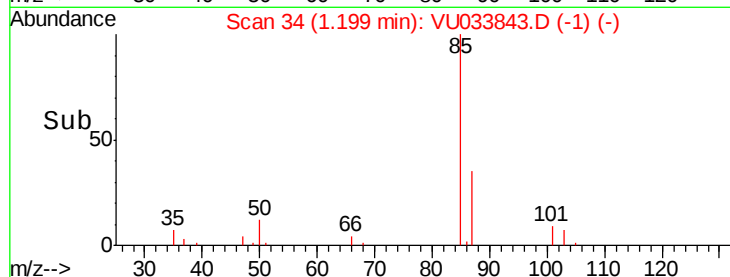
10000

5000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 1.024 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033843.D

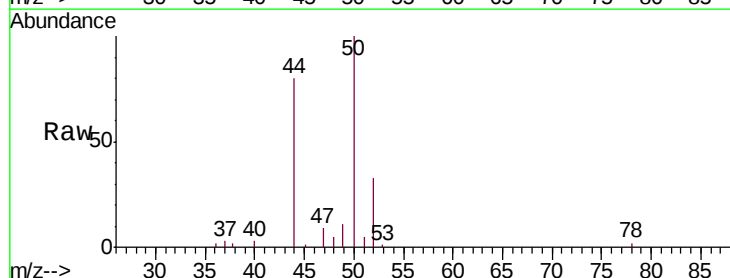
Acq: 20 Aug 2019 10:26

Tgt Ion: 50 Resp: 15176

Ion Ratio Lower Upper

50 100

52 32.8 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU033843.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU033843.D (-63) (-)

1.32

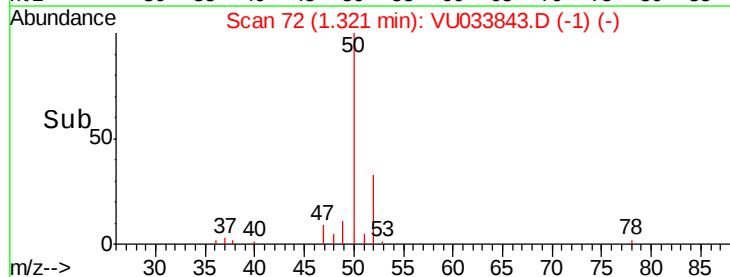
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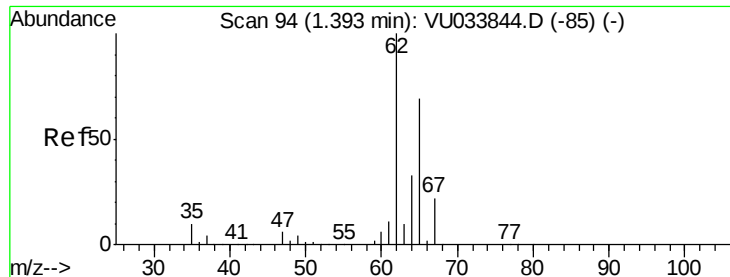
5000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 1.033 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

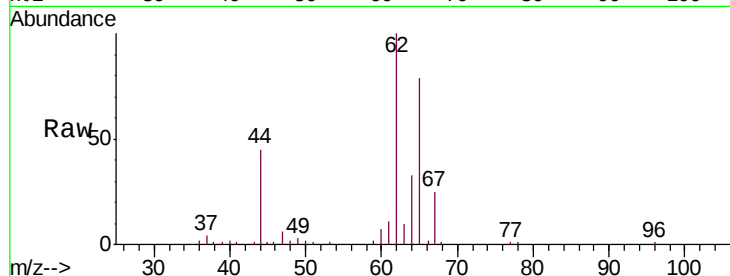
VSTD00106

Tgt Ion: 62 Resp: 17221

Ion Ratio Lower Upper

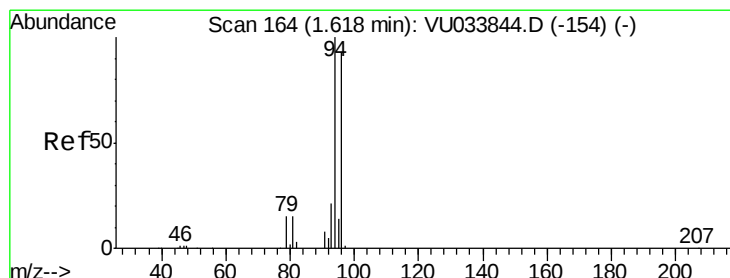
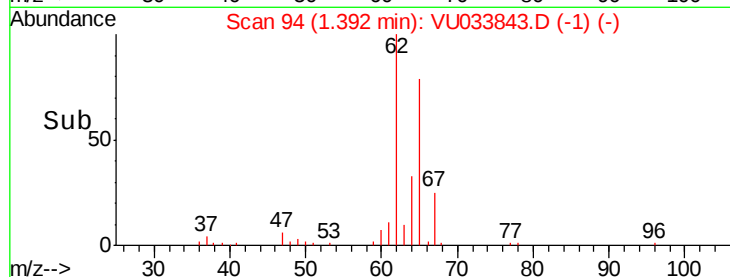
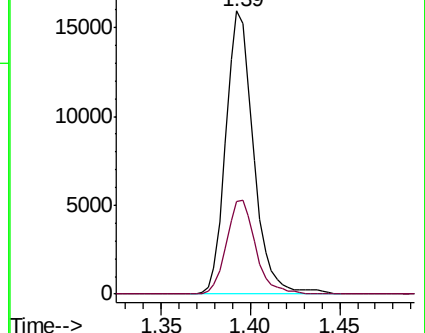
62 100

64 32.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU033844.D (-85) (-)

Ion 64.10 (63.80 to 64.80): VU033844.D (-85) (-)



#6

Bromomethane

Concen: 1.046 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033843.D

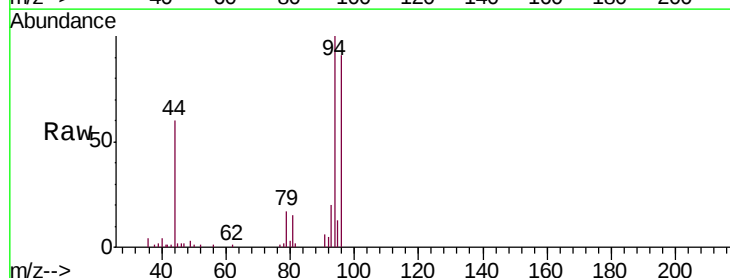
Acq: 20 Aug 2019 10:26

Tgt Ion: 94 Resp: 11426

Ion Ratio Lower Upper

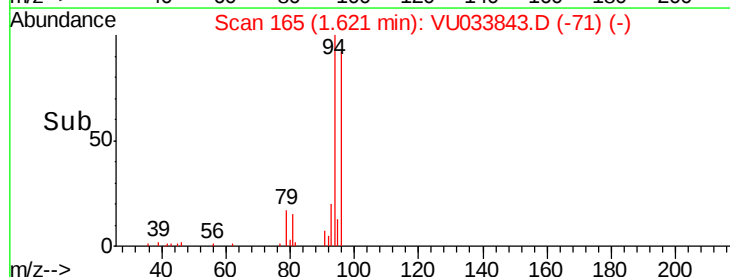
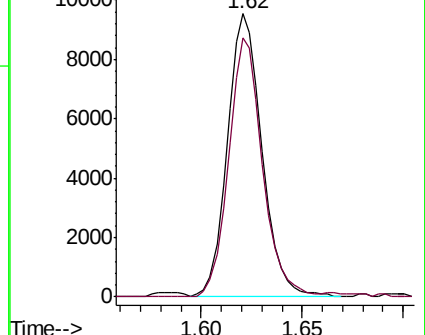
94 100

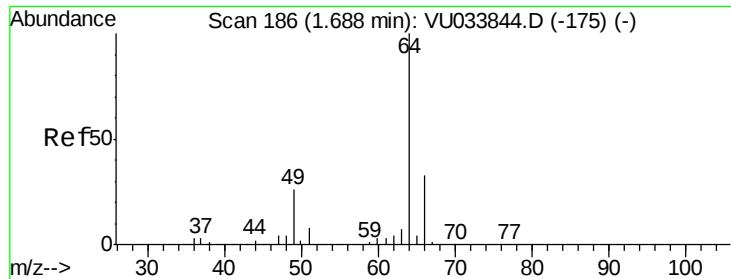
96 91.4 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU033844.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU033844.D (-154) (-)

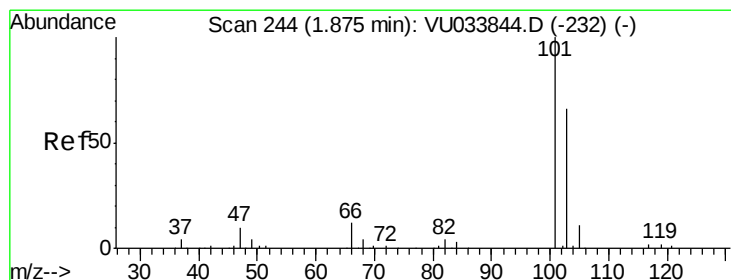
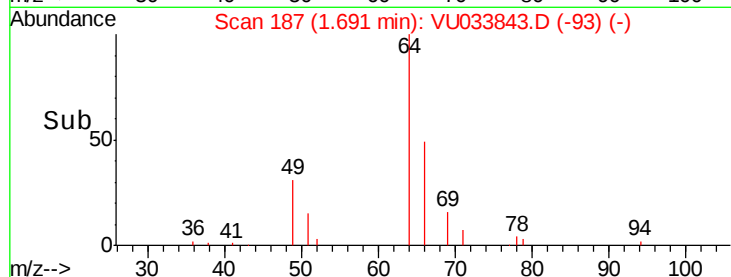
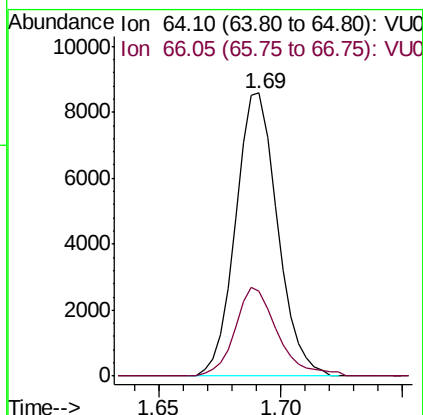
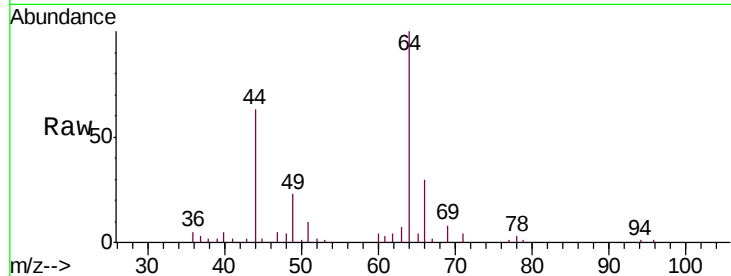




#8
 Chloroethane
 Concen: 1.044 ug/L
 RT: 1.69 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

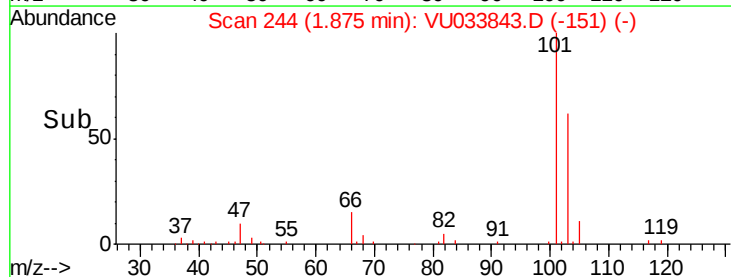
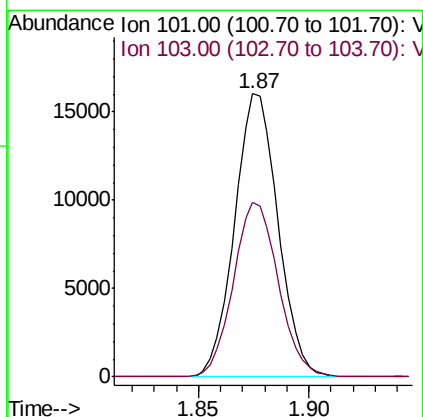
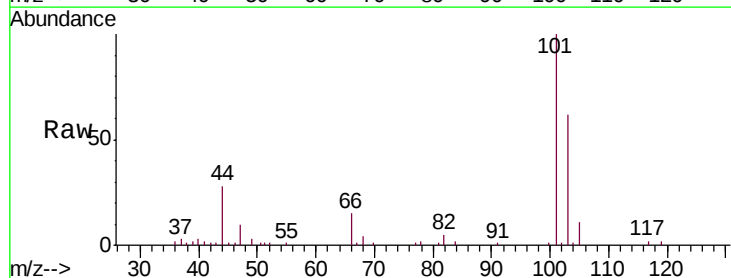
Instrument :
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 ClientSampleId :
 VSTD00106

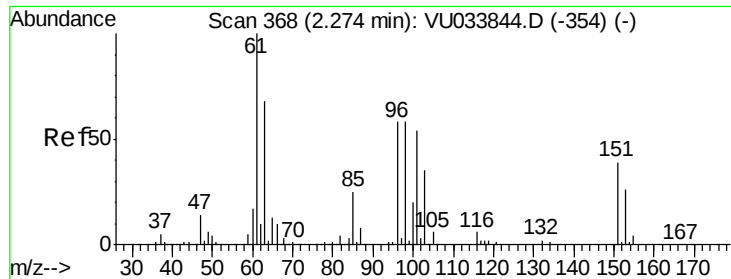
Tgt Ion: 64 Resp: 10220
 Ion Ratio Lower Upper
 64 100
 66 29.8 23.3 43.3



#9
 Trichlorofluoromethane
 Concen: 1.032 ug/L
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Tgt Ion: 101 Resp: 21873
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.2 78.2





#10

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

Concen: 1.021 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

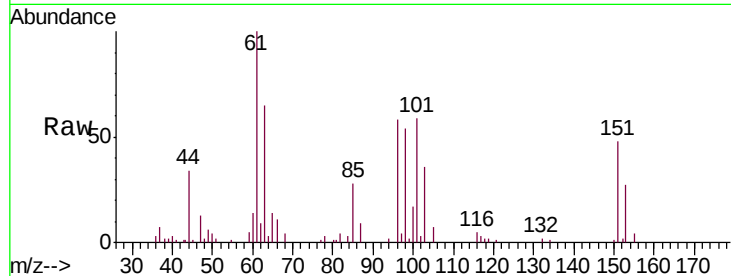
Tgt Ion:101 Resp: 12527

Ion Ratio Lower Upper

101 100

85 44.0 35.7 53.5

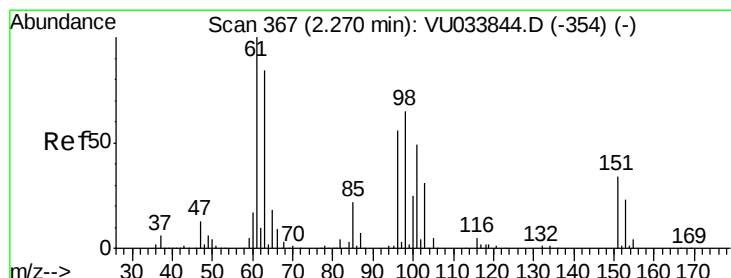
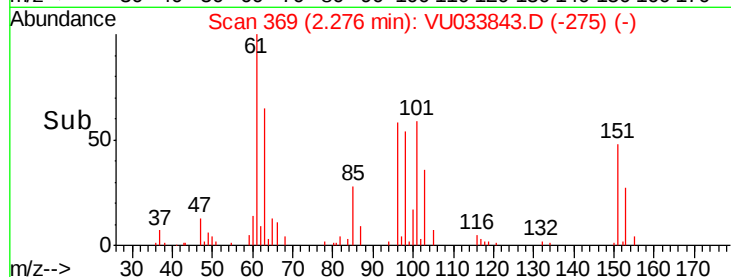
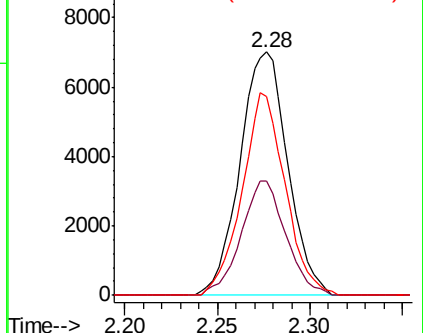
151 75.1 57.2 85.8



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: 1.012 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

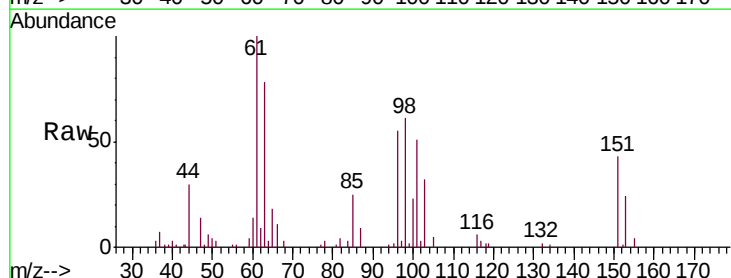
Tgt Ion: 96 Resp: 11789

Ion Ratio Lower Upper

96 100

61 181.7 124.3 230.9

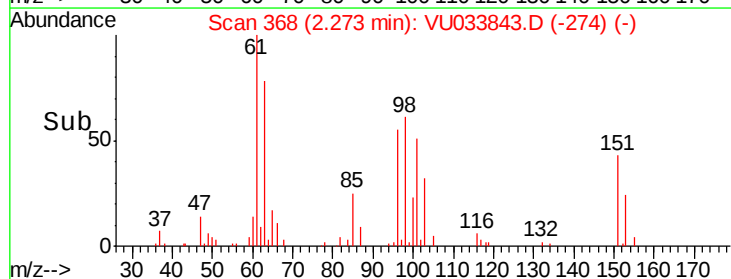
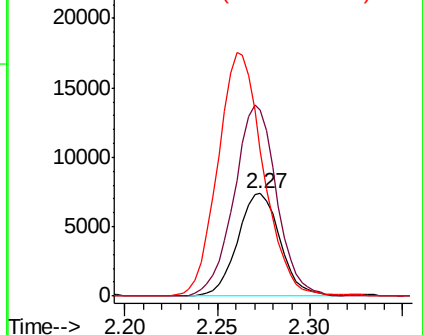
63 141.1 106.3 197.3

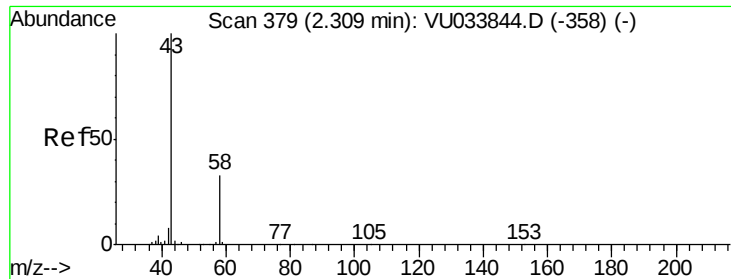


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.148 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU033843.D

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Instrument :

MSVOA_U

ClientSampleId :

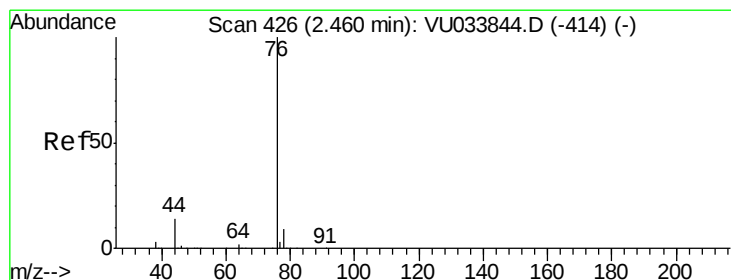
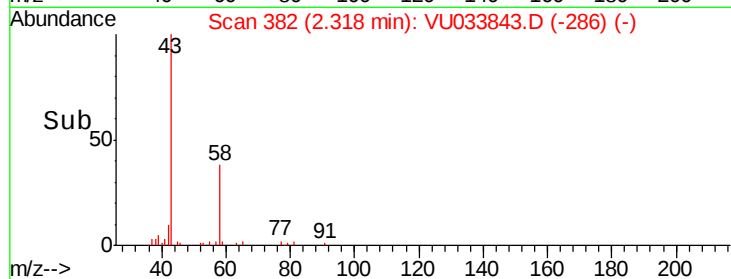
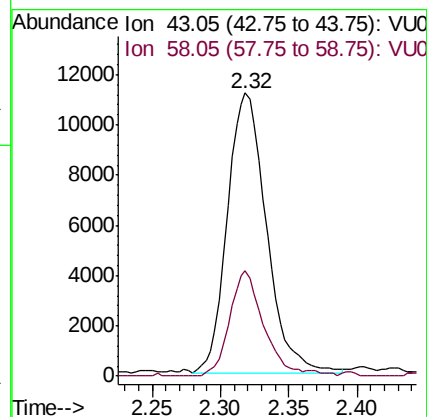
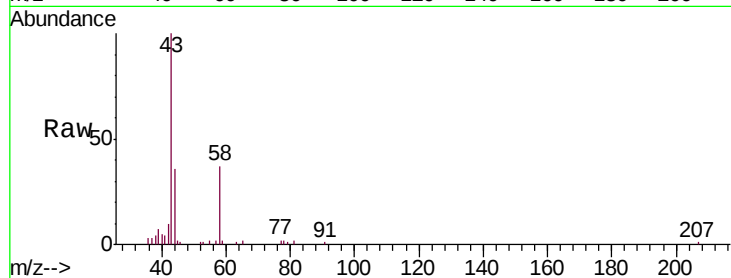
VSTD00106

Tgt Ion: 43 Resp: 22077

Ion Ratio Lower Upper

43 100

58 32.4 0.0 65.4



#14

Carbon disulfide

Concen: 1.019 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033843.D

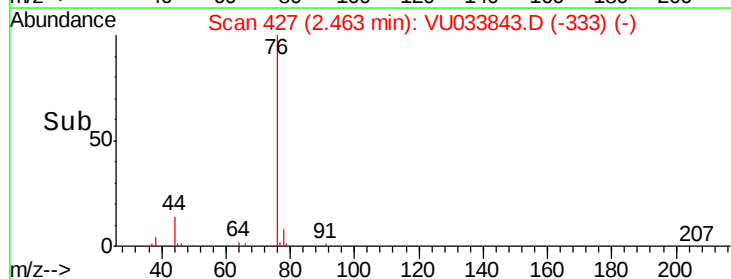
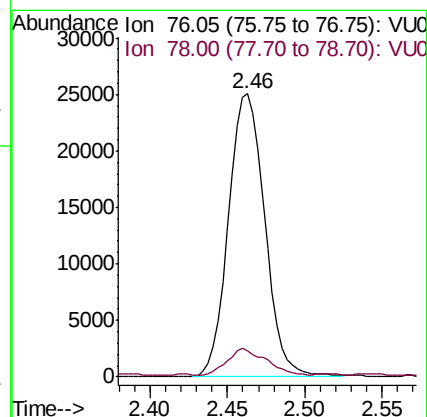
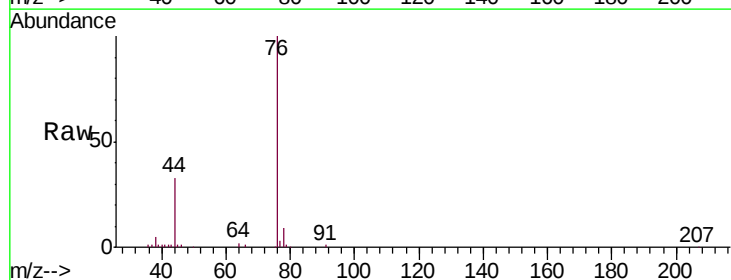
Acq: 20 Aug 2019 10:26

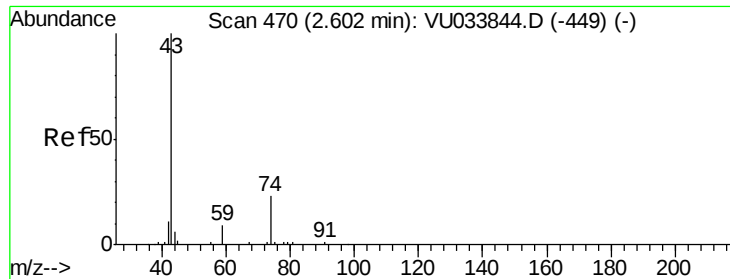
Tgt Ion: 76 Resp: 40813

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

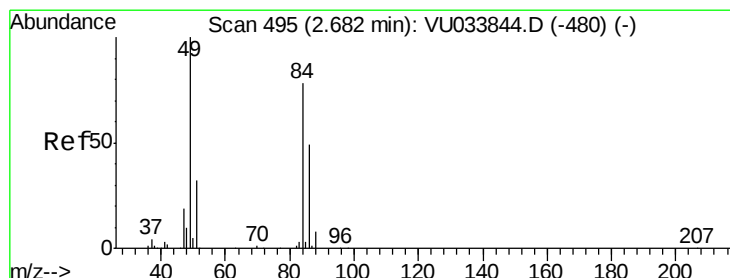
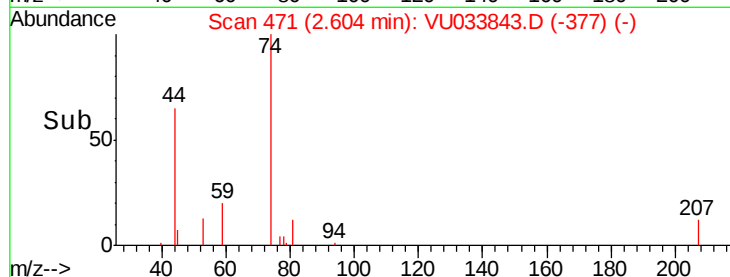
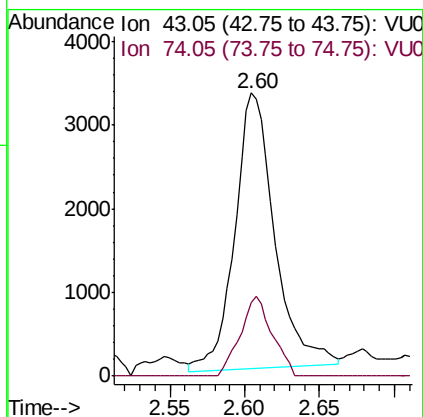
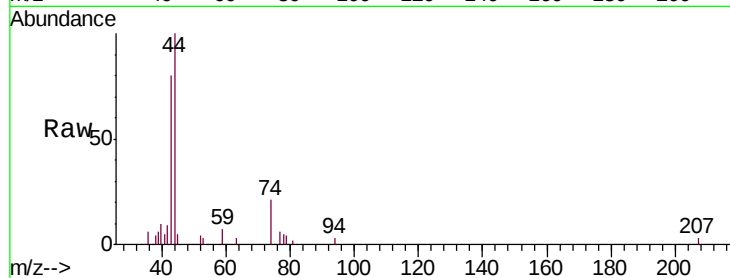




#15
Methyl Acetate
Concen: 1.118 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

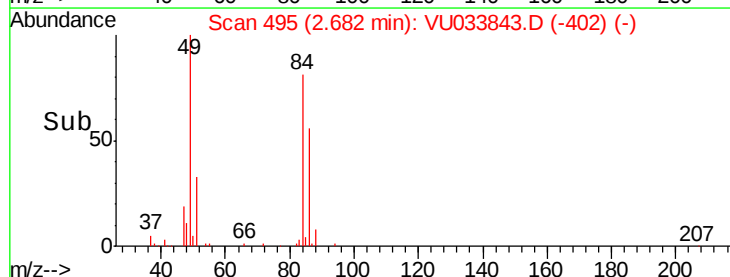
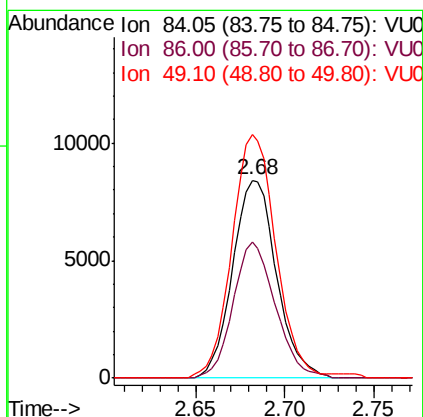
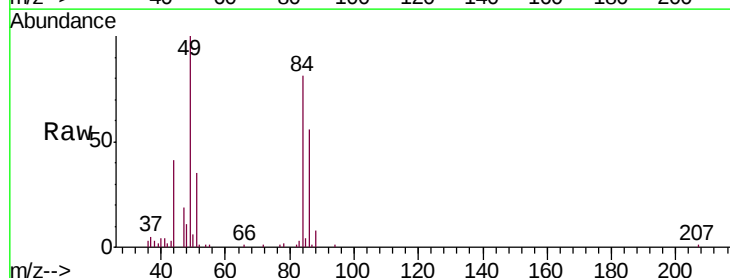
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

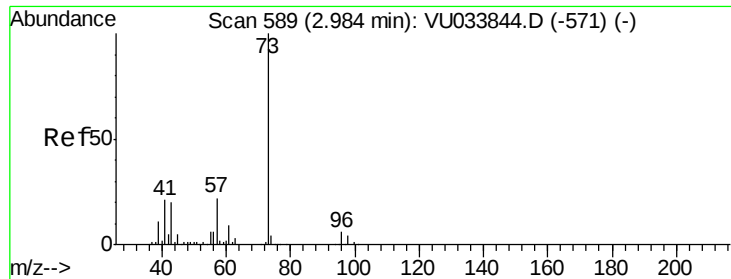
Tgt Ion: 43 Resp: 6096
Ion Ratio Lower Upper
43 100
74 23.2 18.6 28.0



#16
Methylene chloride
Concen: 1.056 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

Tgt Ion: 84 Resp: 14442
Ion Ratio Lower Upper
84 100
86 69.0 43.8 81.3
49 123.2 89.5 166.3





#17

Methyl tert-butyl Ether

Concen: 1.012 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

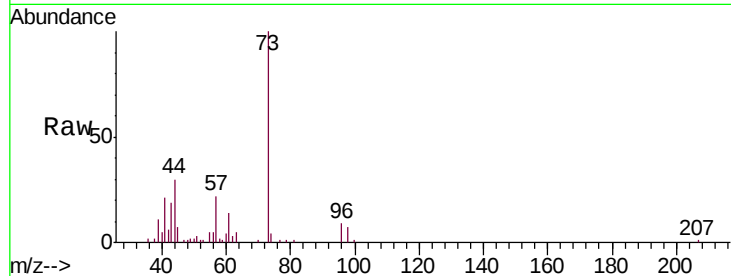
Tgt Ion: 73 Resp: 29566

Ion Ratio Lower Upper

73 100

43 20.0 15.9 23.9

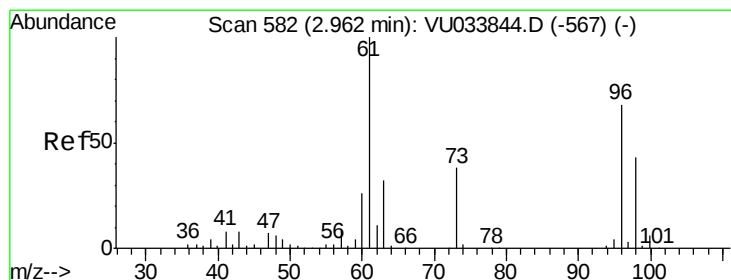
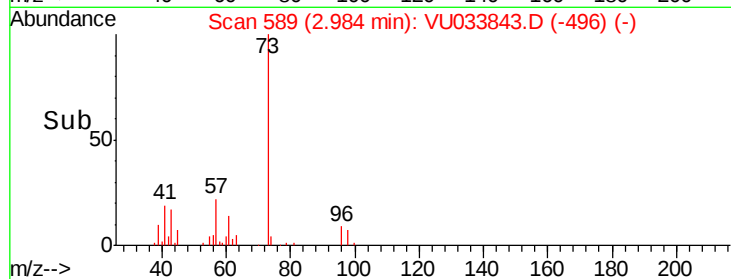
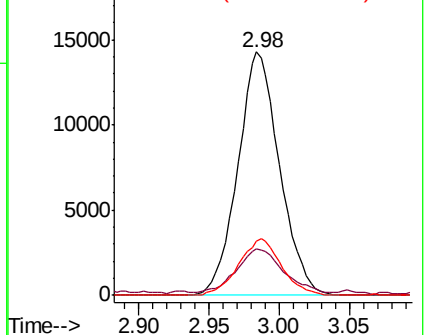
57 23.7 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU033843.D (-496) (-)

Ion 43.05 (42.75 to 43.75): VU033843.D (-496) (-)

Ion 57.10 (56.80 to 57.80): VU033843.D (-496) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.015 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

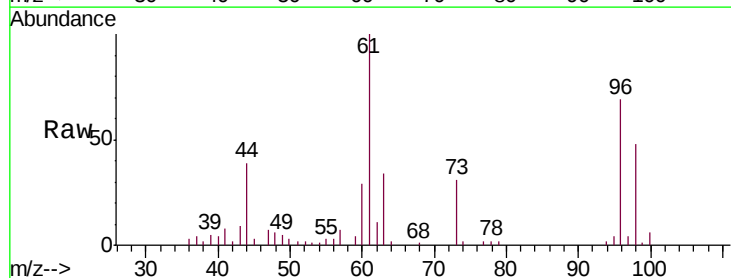
Tgt Ion: 96 Resp: 13026

Ion Ratio Lower Upper

96 100

61 145.5 102.9 191.1

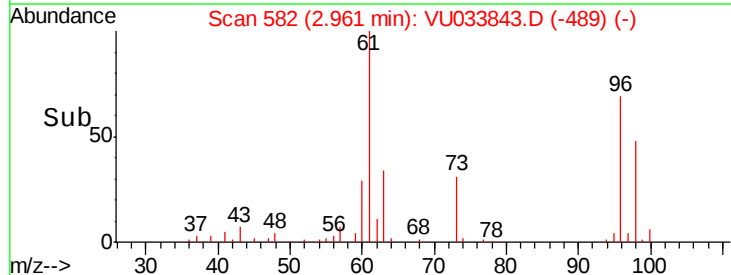
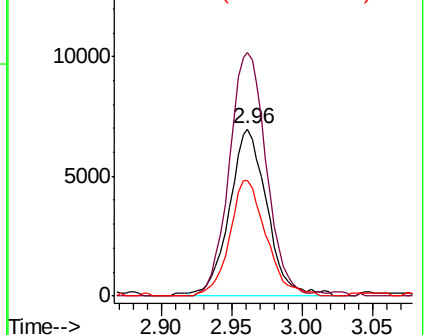
98 69.3 43.8 81.4

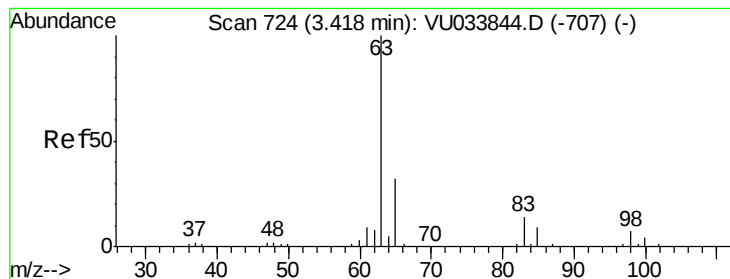


Abundance Ion 96.00 (95.70 to 96.70): VU033843.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU033843.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU033843.D (-489) (-)





#19

1,1-Dichloroethane

Concen: 1.023 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

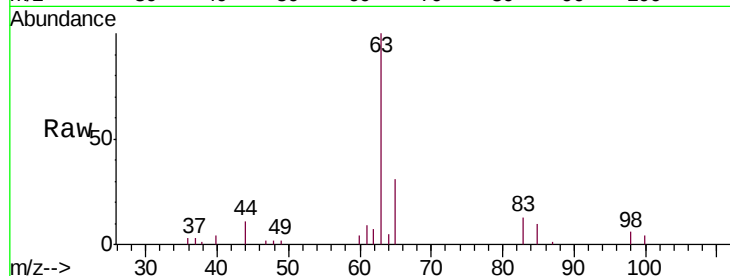
Tgt Ion: 63 Resp: 19036

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

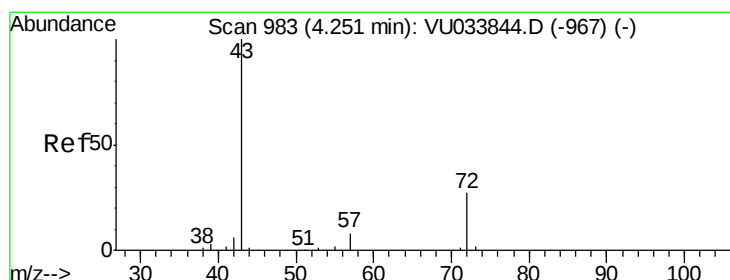
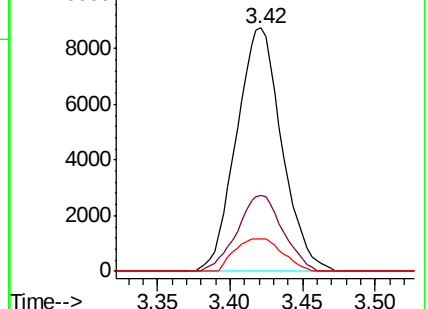
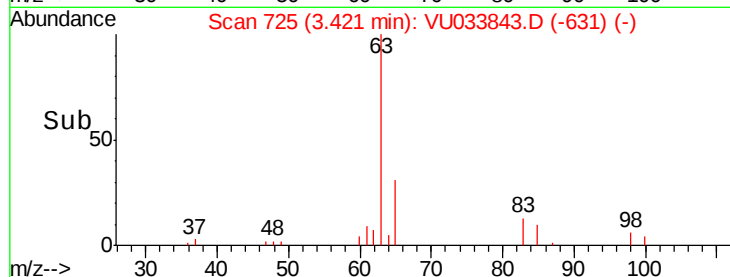
83 13.5 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU033843.D (-631) (-)

Ion 65.10 (64.80 to 65.80): VU033843.D (-631) (-)

Ion 83.05 (82.75 to 83.75): VU033843.D (-631) (-)



#21

2-Butanone

Concen: 9.235 ug/L

RT: 4.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VU033843.D

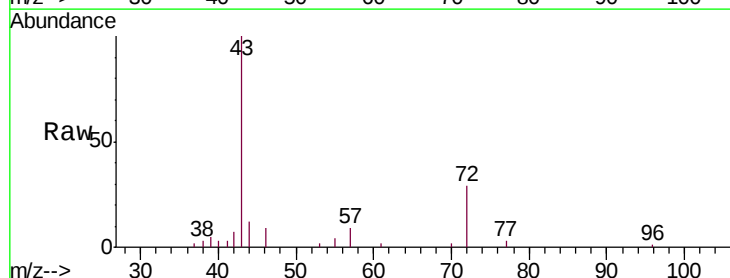
Acq: 20 Aug 2019 10:26

Tgt Ion: 43 Resp: 21544

Ion Ratio Lower Upper

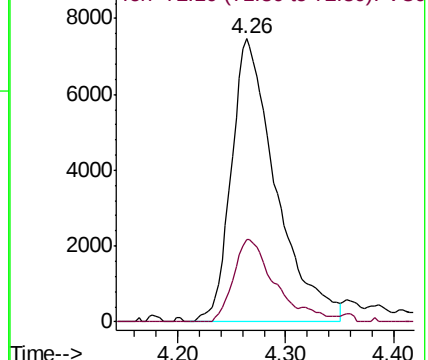
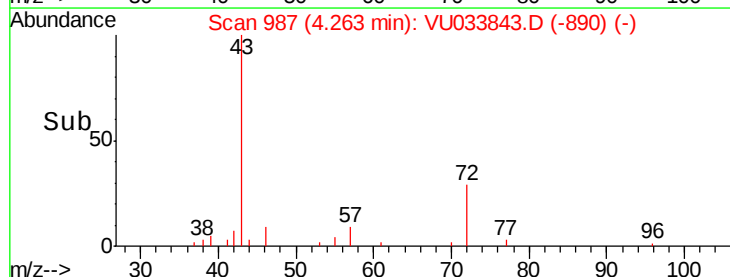
43 100

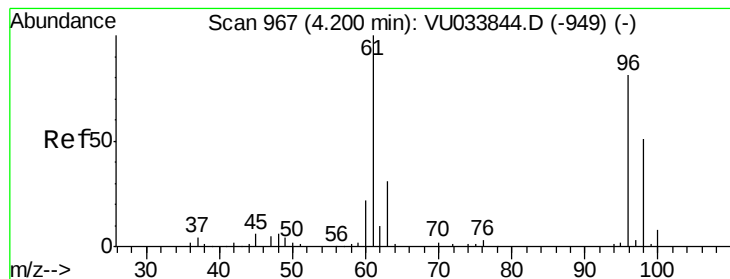
72 25.0 13.7 41.0



Abundance Ion 43.05 (42.75 to 43.75): VU033843.D (-890) (-)

Ion 72.10 (71.80 to 72.80): VU033843.D (-890) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.993 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

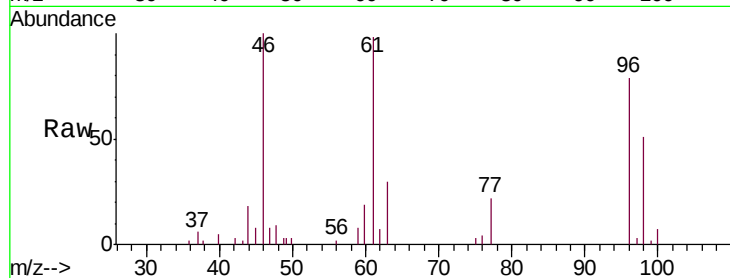
Tgt Ion: 96 Resp: 10022

Ion Ratio Lower Upper

96 100

61 123.5 87.2 161.9

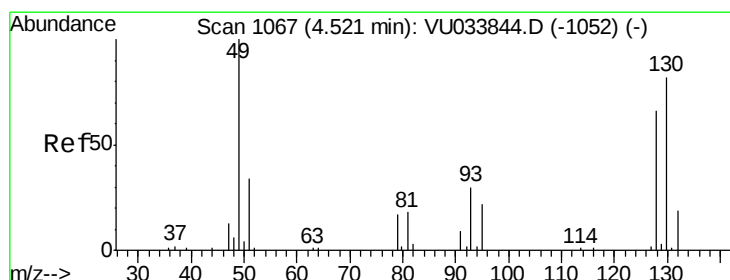
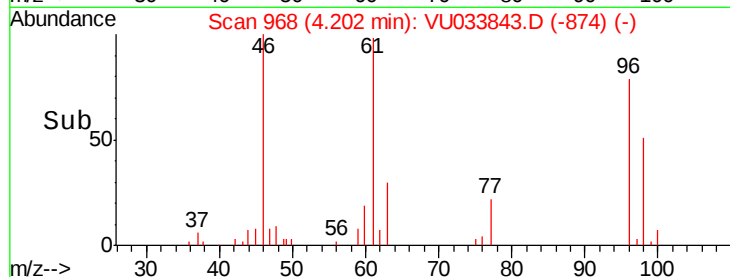
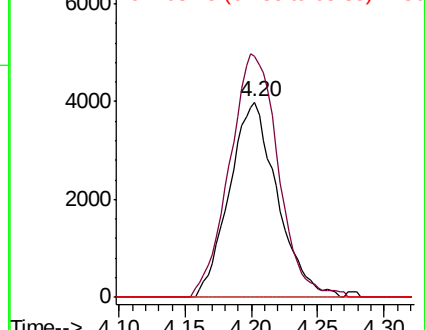
68 0.0 0.0 0.0



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: 1.018 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Tgt Ion: 128 Resp: 4967

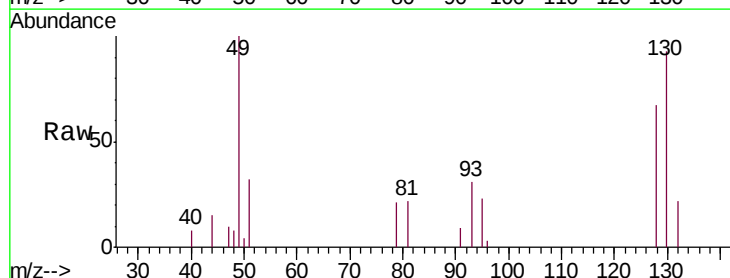
Ion Ratio Lower Upper

128 100

49 149.4 105.6 196.0

130 138.3 86.5 160.6

51 47.7 41.0 61.4

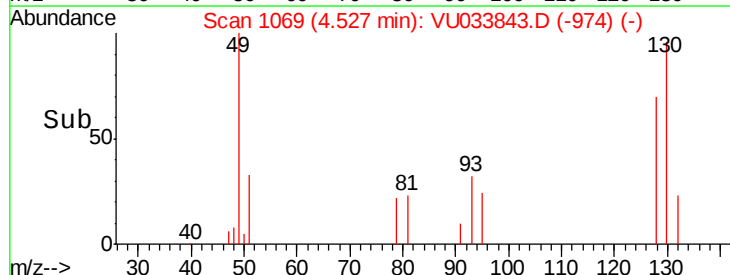
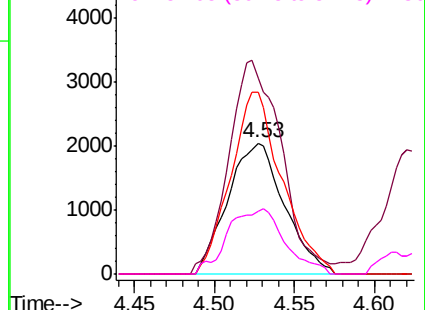


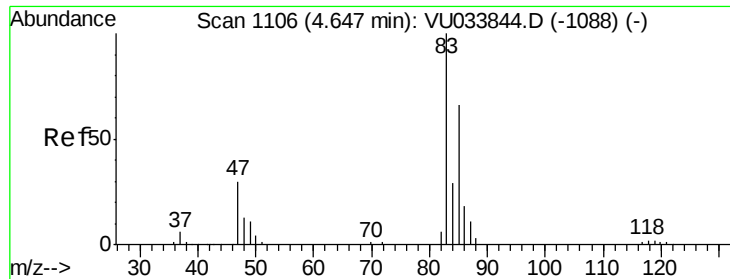
Abundance Ion 127.90 (127.60 to 128.60): V

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

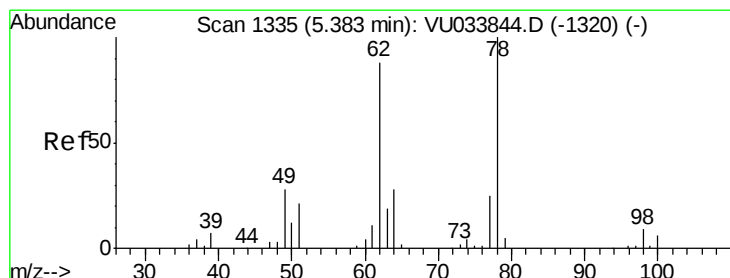
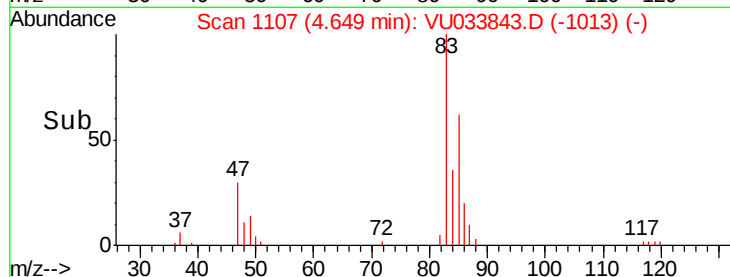
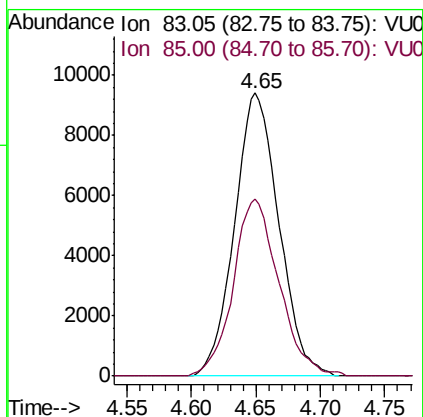
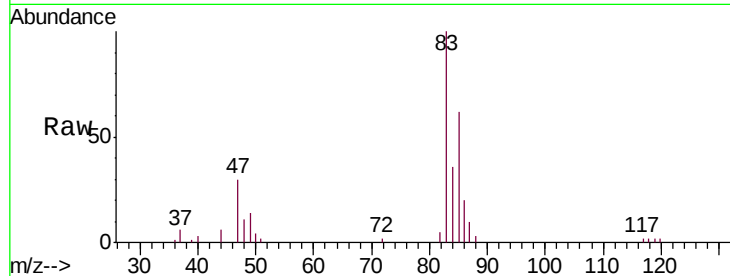




#25
Chloroform
Concen: 1.071 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

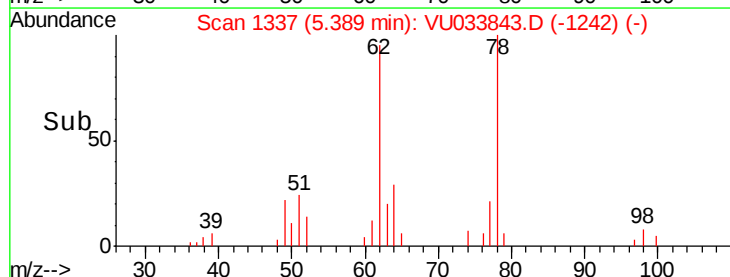
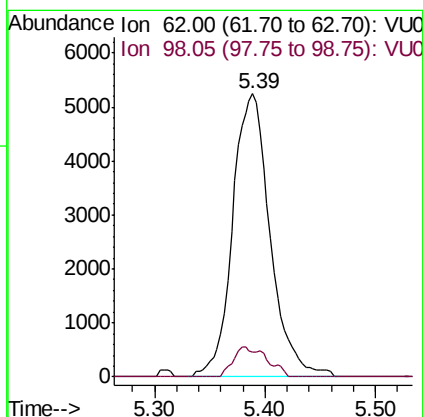
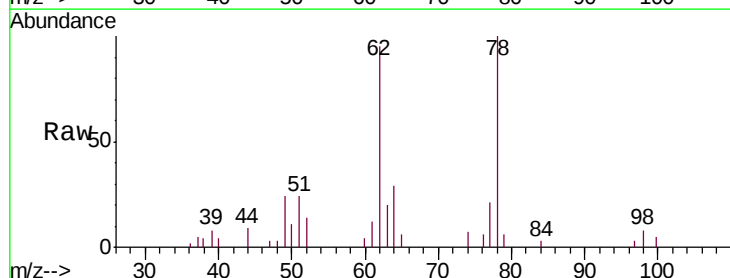
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

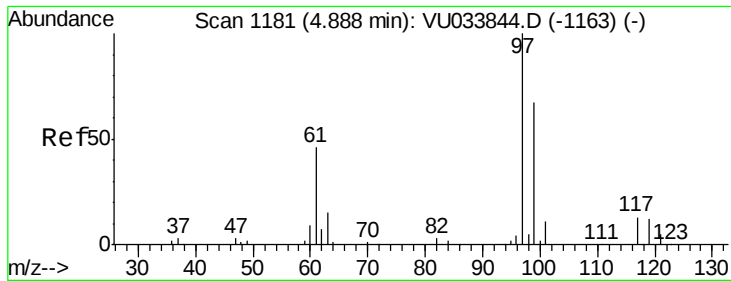
Tgt Ion: 83 Resp: 22543
Ion Ratio Lower Upper
83 100
85 62.4 46.3 85.9



#27
1,2-Dichloroethane
Concen: 1.033 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

Tgt Ion: 62 Resp: 12338
Ion Ratio Lower Upper
62 100
98 8.6 7.9 11.9

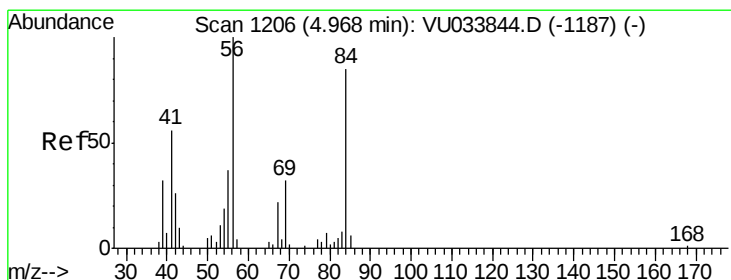
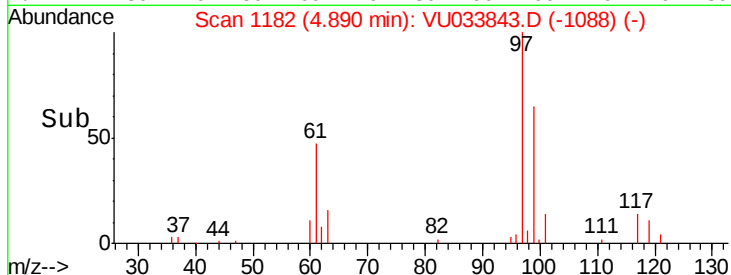
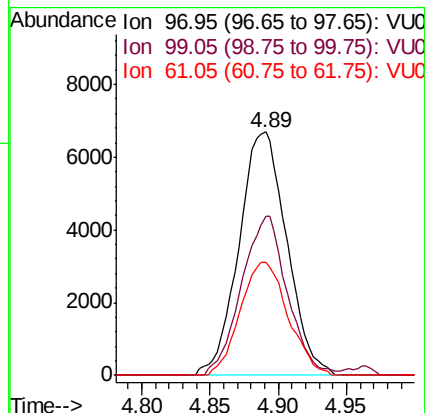
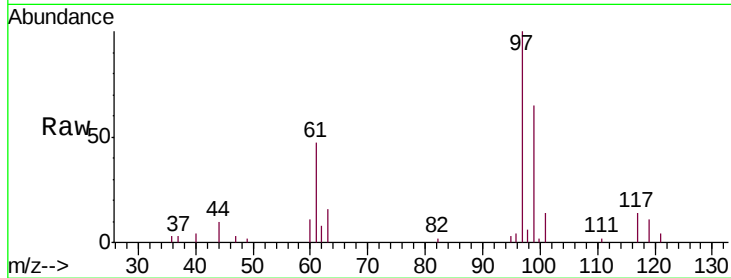




#29
 1,1,1-Trichloroethane
 Concen: 1.016 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

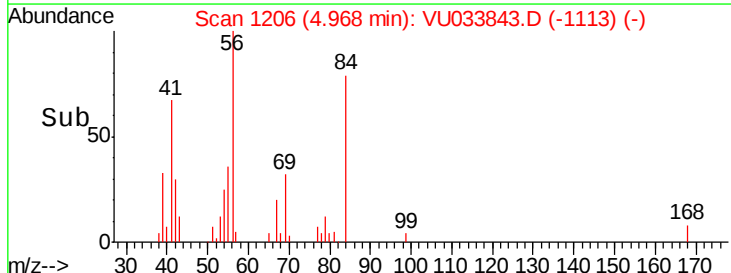
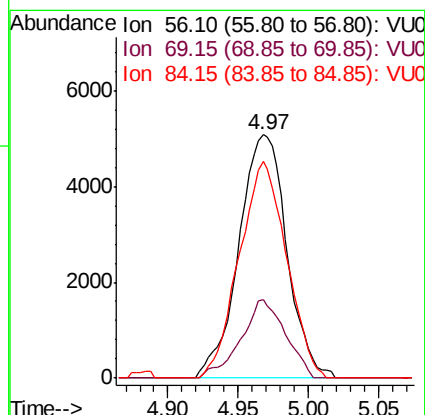
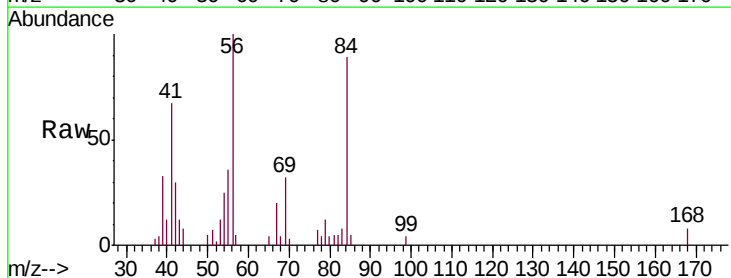
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

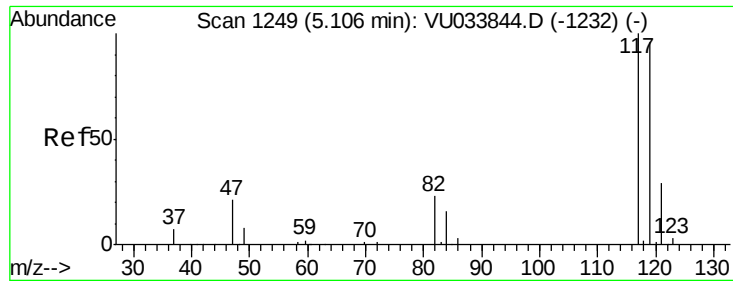
Tgt Ion: 97 Resp: 16285
 Ion Ratio Lower Upper
 97 100
 99 63.0 53.4 80.0
 61 46.4 36.6 55.0



#30
 Cyclohexane
 Concen: 0.892 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Tgt Ion: 56 Resp: 12075
 Ion Ratio Lower Upper
 56 100
 69 30.0 25.1 37.7
 84 87.8 69.5 104.3

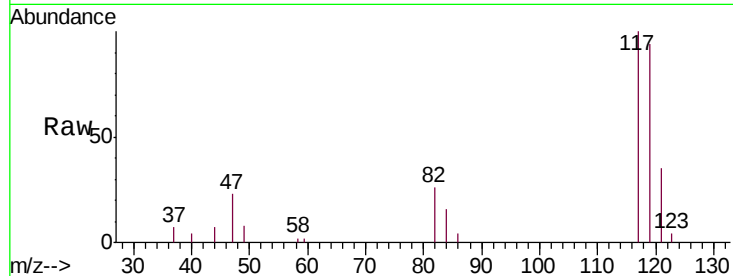




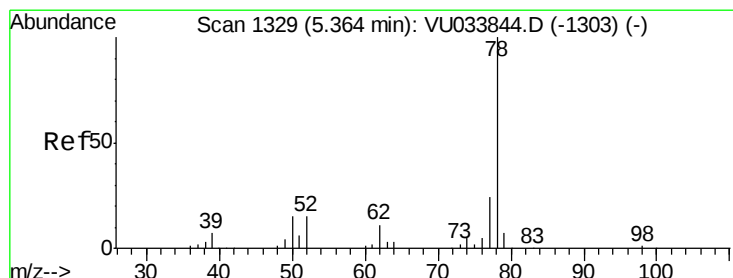
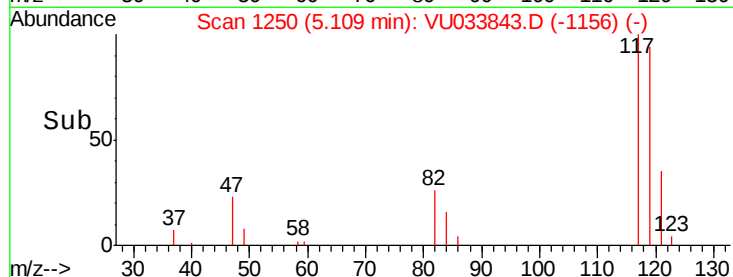
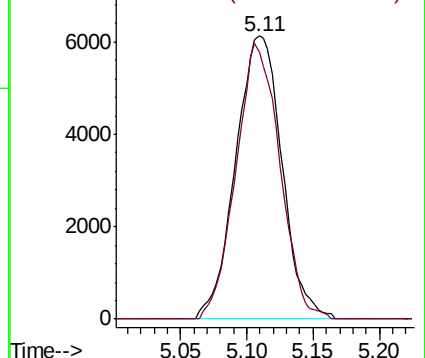
#31
Carbon tetrachloride
Concen: 1.032 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

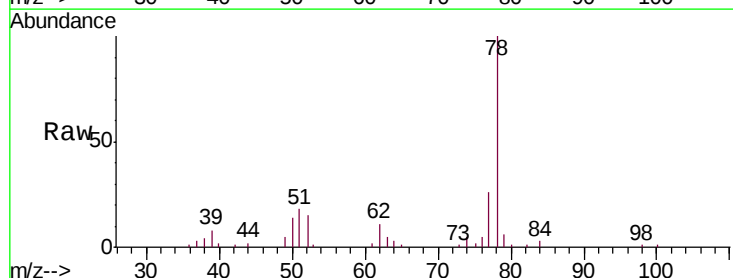
Tgt Ion:117 Resp: 14904
Ion Ratio Lower Upper
117 100
119 92.3 77.6 116.4



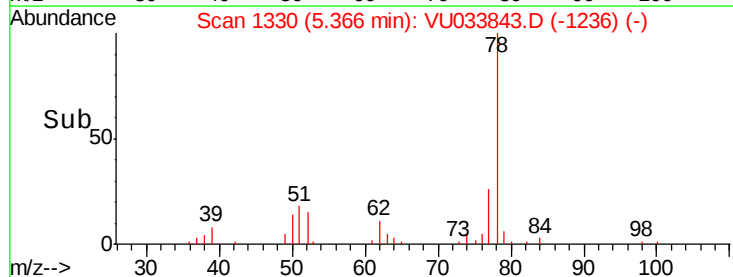
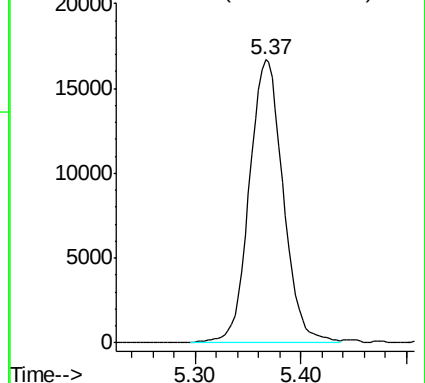
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

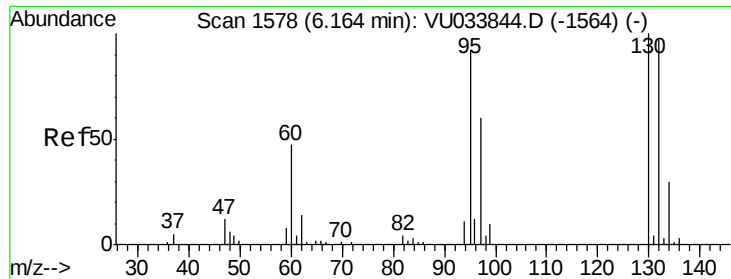


#33
Benzene
Concen: 0.966 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26
Tgt Ion: 78 Resp: 37461



Abundance Ion 78.10 (77.80 to 78.80): VU0

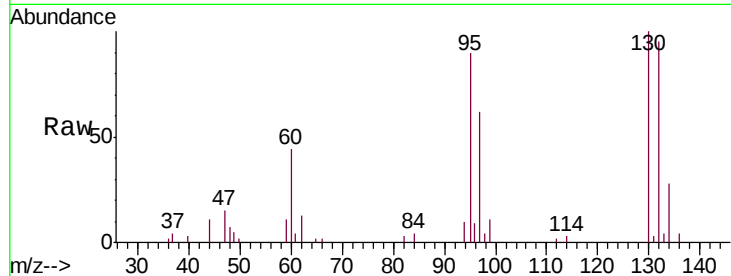




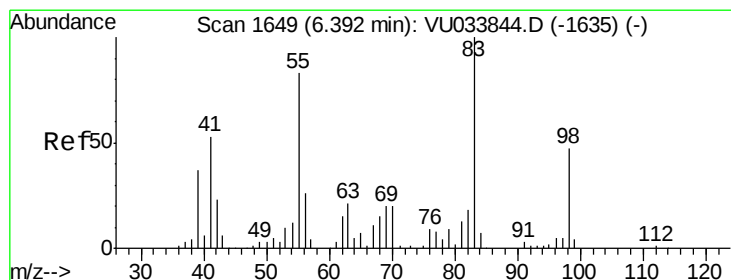
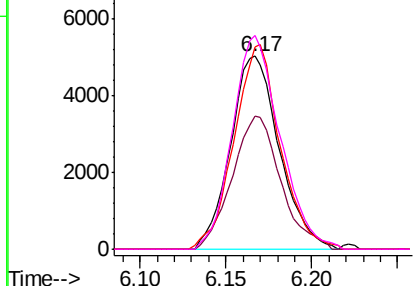
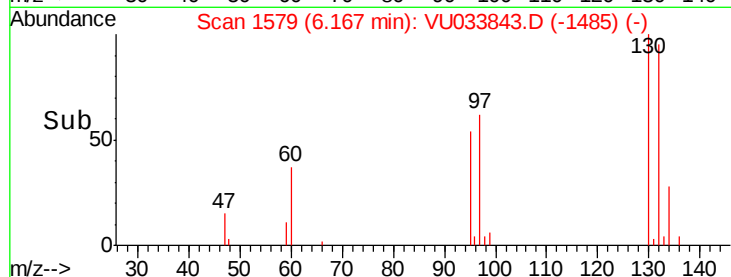
#34
 Trichloroethene
 Concen: 0.953 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion: 95 Resp: 9915
 Ion Ratio Lower Upper
 95 100
 97 68.9 45.6 84.8
 132 104.7 73.5 136.5
 130 110.5 75.9 141.1

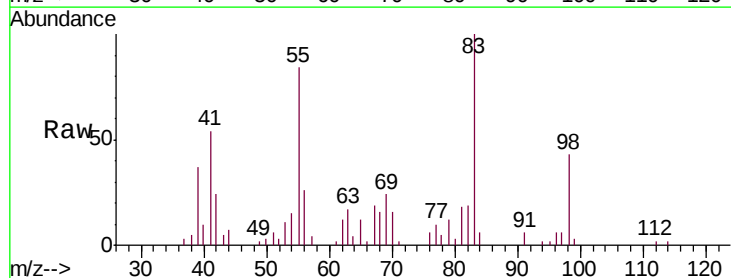


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

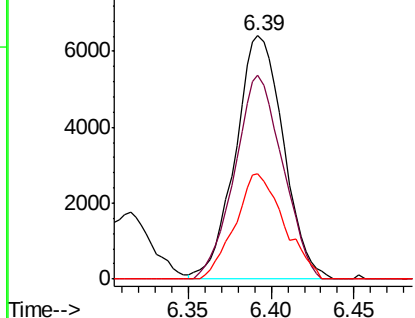
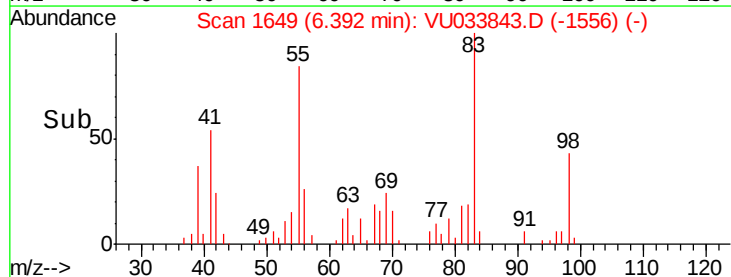


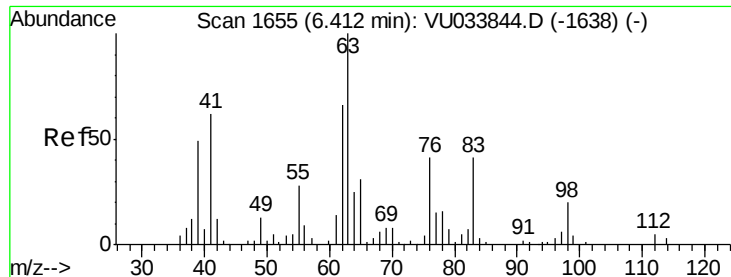
#35
 Methylcyclohexane
 Concen: 0.889 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Tgt Ion: 83 Resp: 12922
 Ion Ratio Lower Upper
 83 100
 55 83.4 64.3 96.5
 98 44.0 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

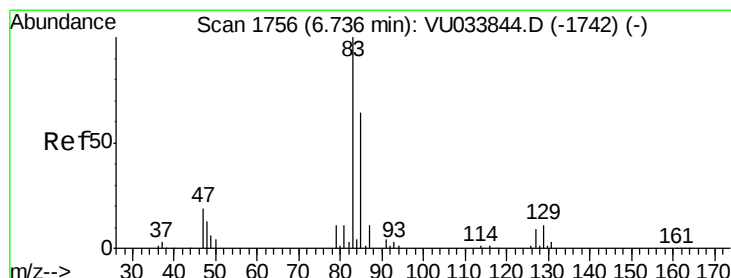
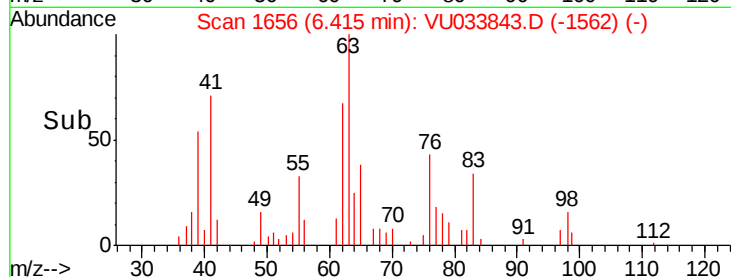
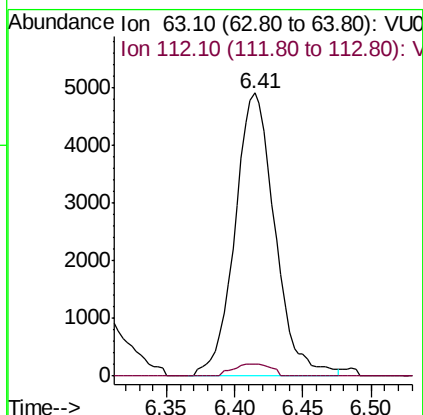
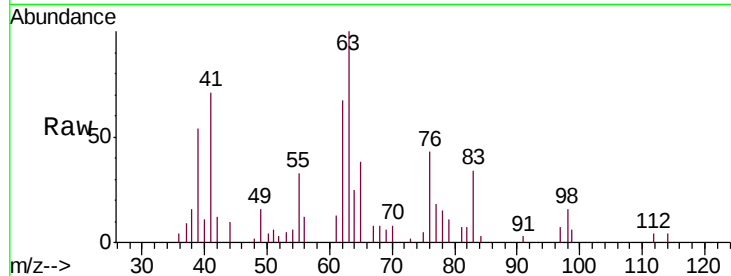




#37
 1,2-Dichloropropane
 Concen: 0.973 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

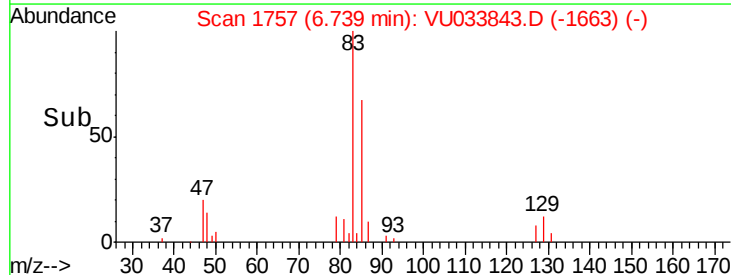
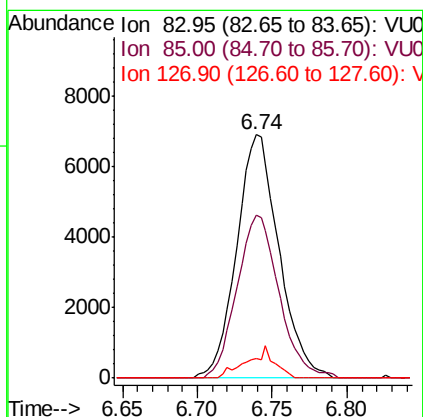
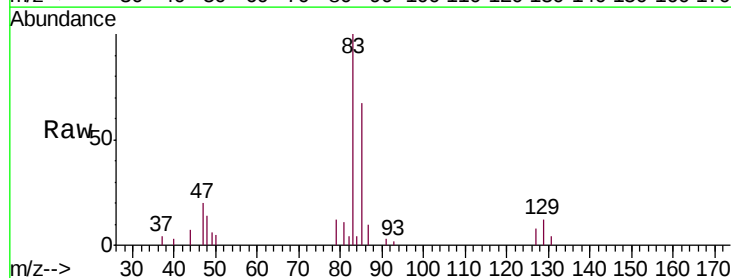
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00106

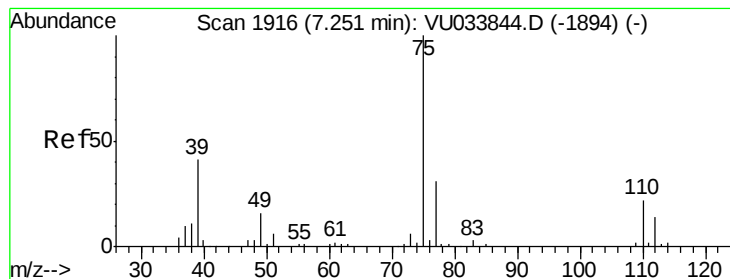
Tgt Ion: 63 Resp: 9986
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 1.029 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Tgt Ion: 83 Resp: 13600
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.7 83.1
 127 8.2 7.1 10.7



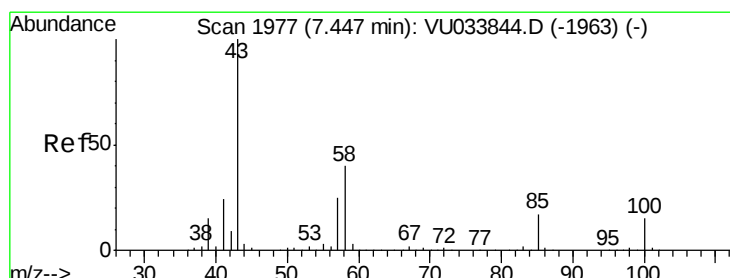
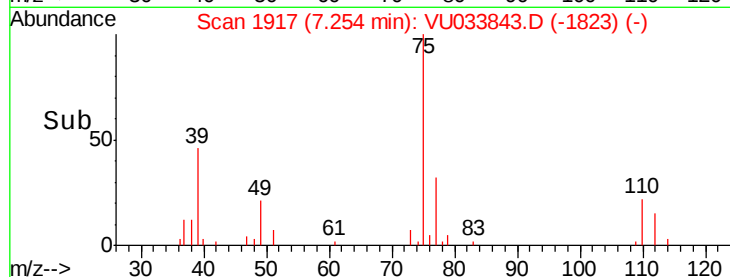
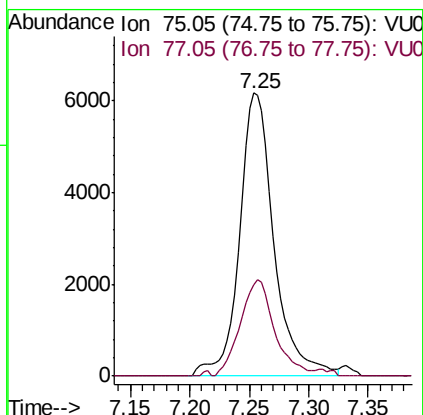
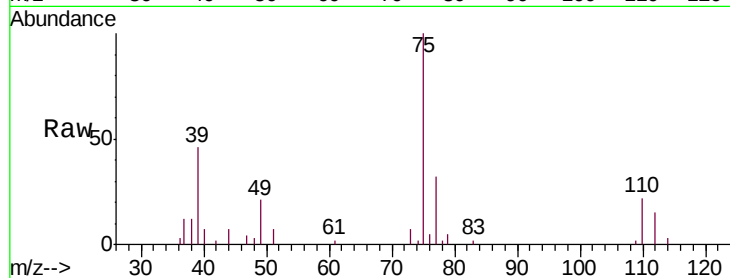


#39

cis-1,3-Dichloropropene
 Concen: 0.914 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

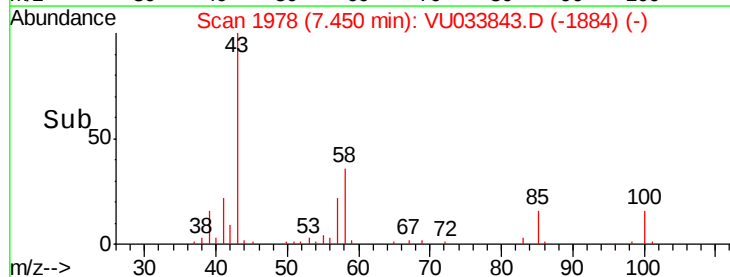
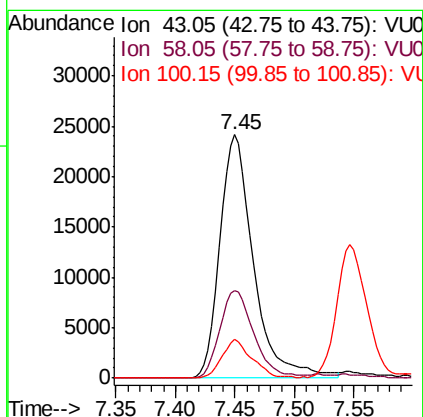
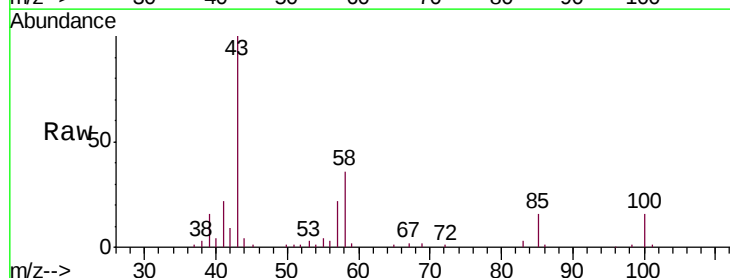
Tgt Ion: 75 Resp: 12391
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.6 40.2

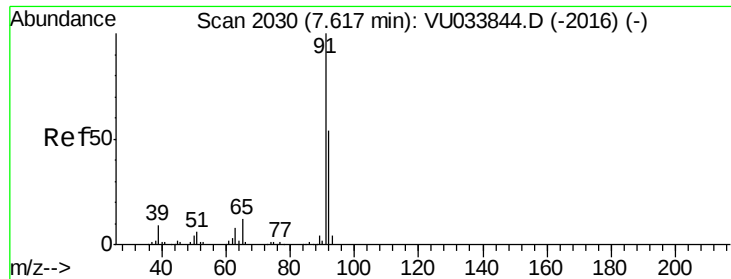


#40

4-Methyl-2-pentanone
 Concen: 8.711 ug/L
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Tgt Ion: 43 Resp: 47351
 Ion Ratio Lower Upper
 43 100
 58 36.2 32.0 48.0
 100 14.2 11.8 17.6





#42

Toluene

Concen: 0.878 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

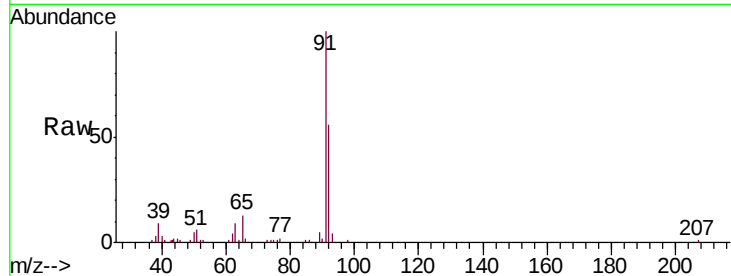
VSTD00106

Tgt Ion: 91 Resp: 34901

Ion Ratio Lower Upper

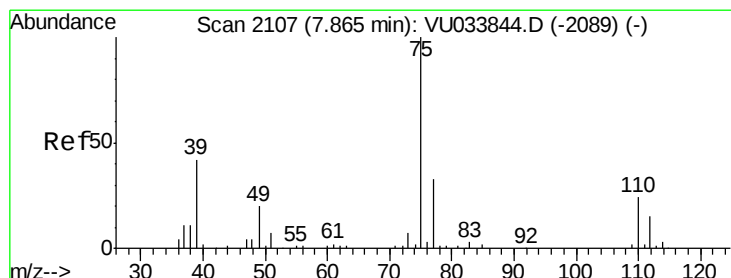
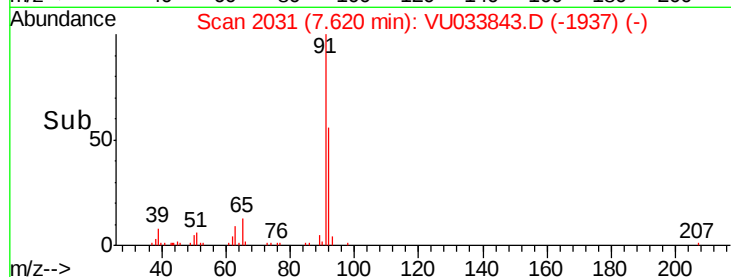
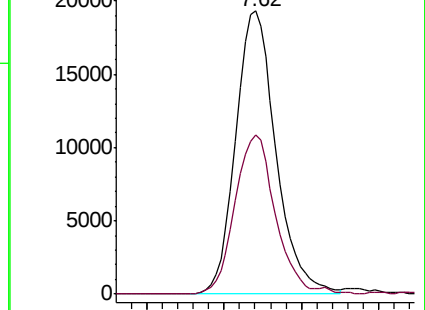
91 100

92 56.4 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VU033843.D

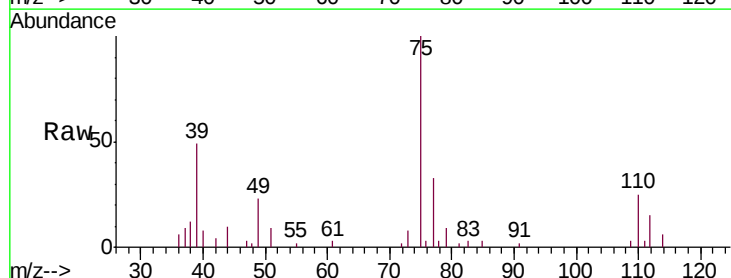
Acq: 20 Aug 2019 10:26

Tgt Ion: 75 Resp: 10482

Ion Ratio Lower Upper

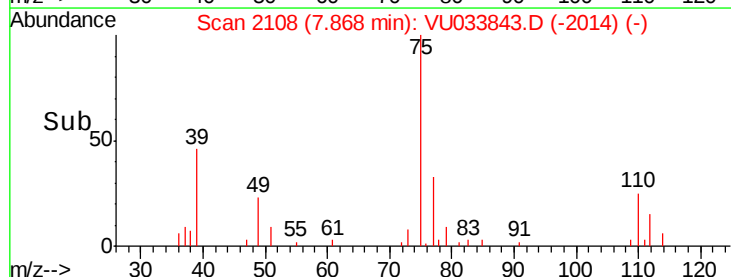
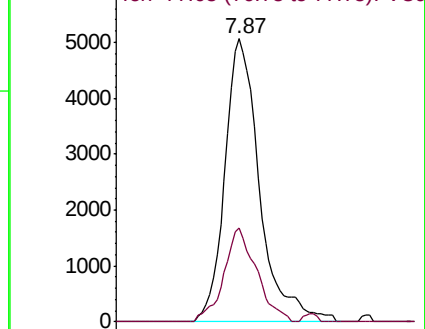
75 100

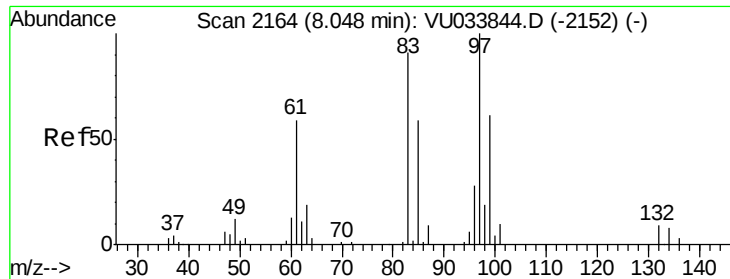
77 33.4 23.0 42.6



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

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

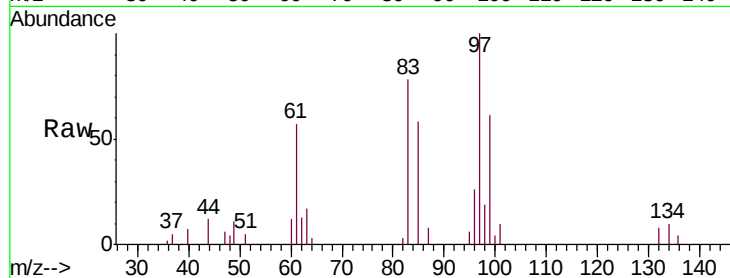




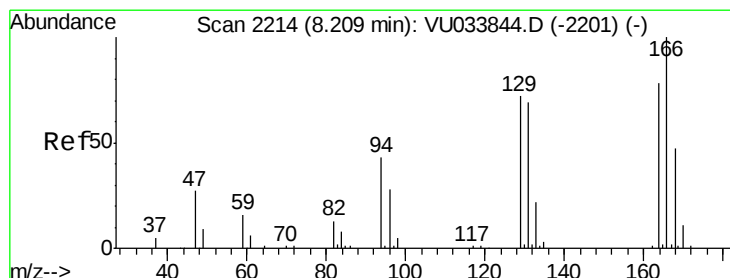
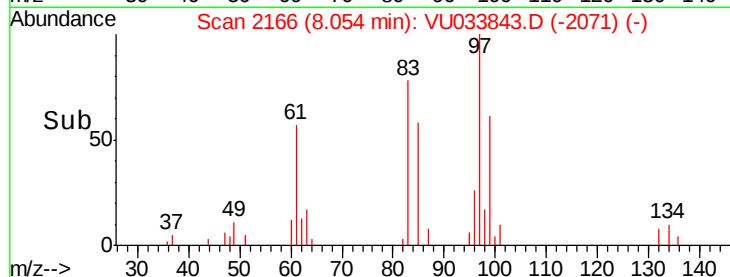
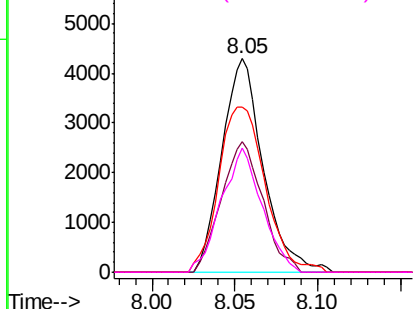
#45
 1,1,2-Trichloroethane
 Concen: 1.015 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion:	97	Resp:	7455
Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.8	79.6
83	77.6	63.6	118.0
85	57.9	41.2	76.6

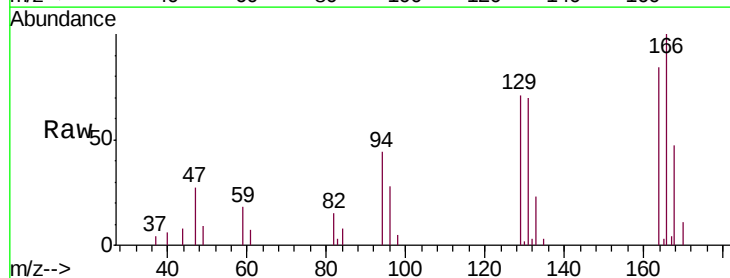


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

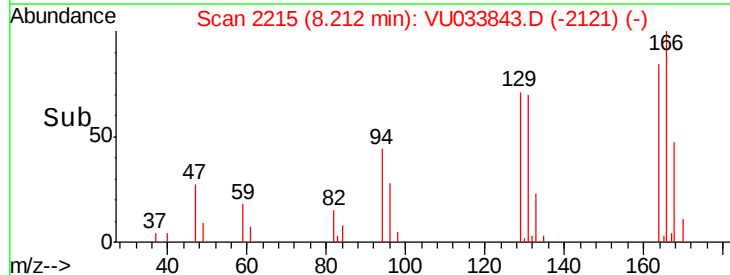
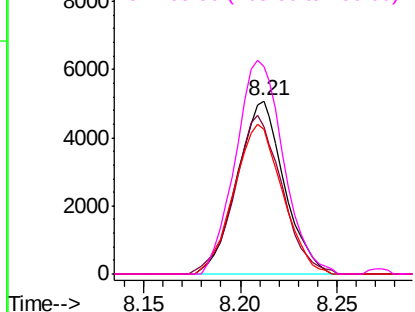


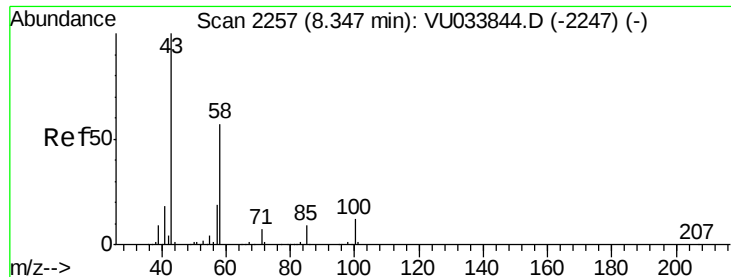
#47
 Tetrachloroethene
 Concen: 1.007 ug/L
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Tgt Ion:	164	Resp:	8597
Ion	Ratio	Lower	Upper
164	100		
129	85.0	63.9	118.7
131	83.3	61.5	114.1
166	119.7	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

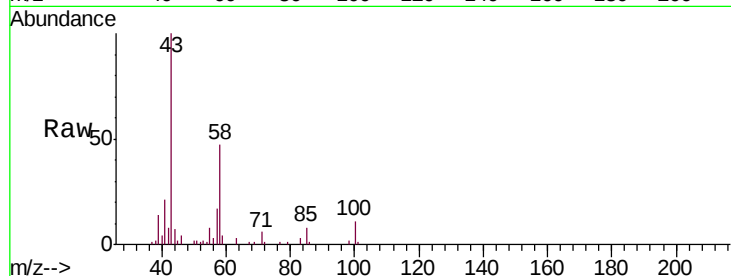




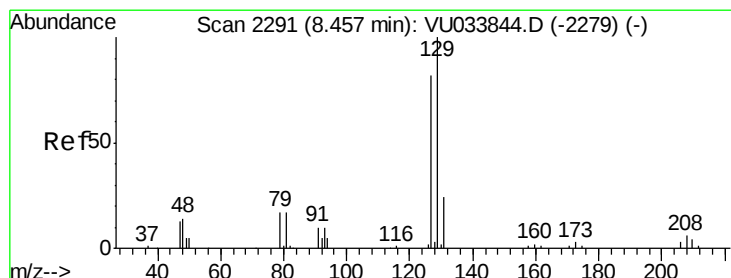
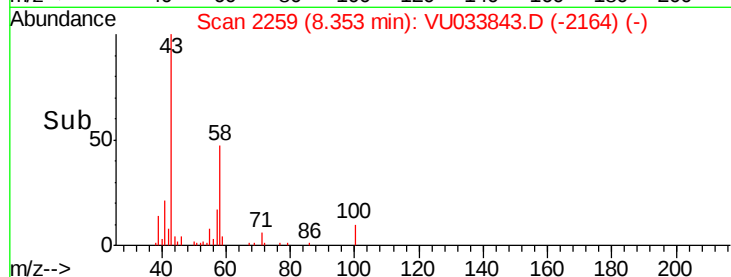
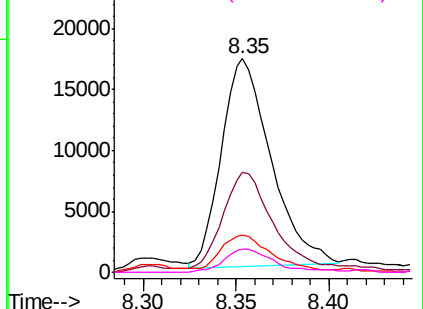
#48
2-Hexanone
Concen: 8.014 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion:	43	Resp:	31832
Ion	Ratio	Lower	Upper
43	100		
58	52.6	45.1	67.7
57	18.8	15.4	23.0
100	11.3	8.9	13.3

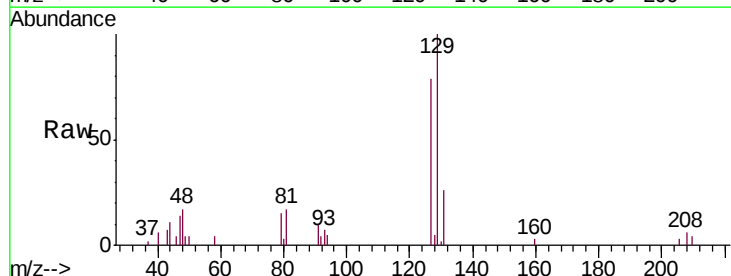


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

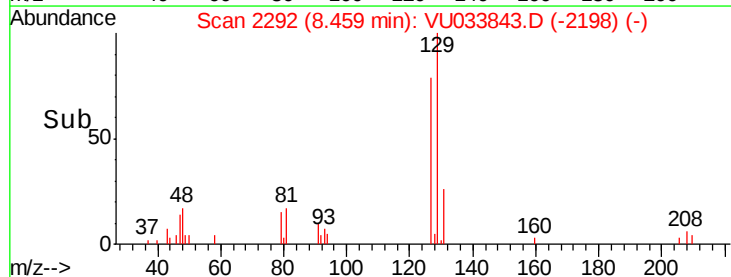
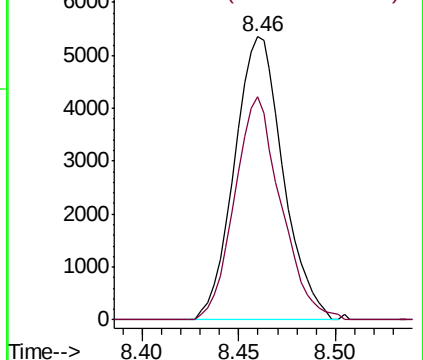


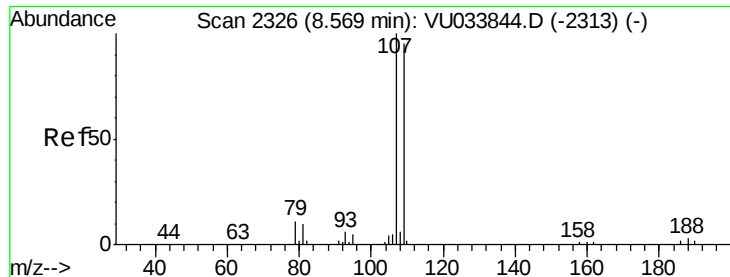
#49
Dibromochloromethane
Concen: 1.020 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

Tgt Ion:	129	Resp:	9358
Ion	Ratio	Lower	Upper
129	100		
127	78.8	57.1	106.1



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

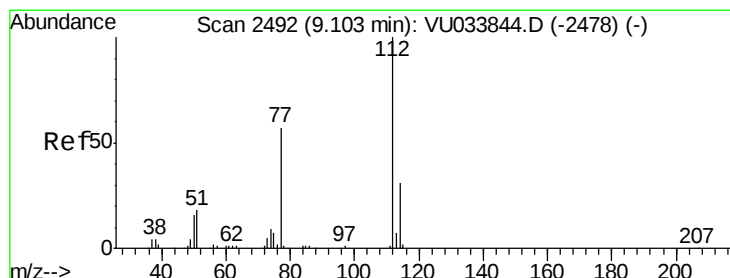
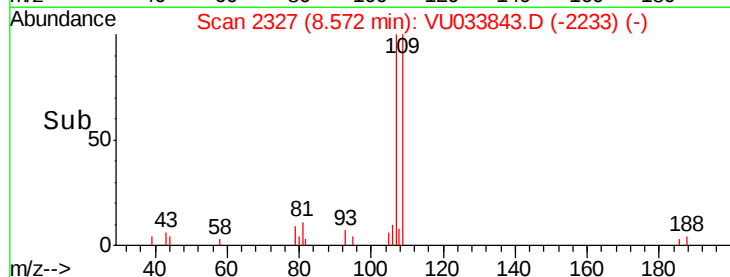
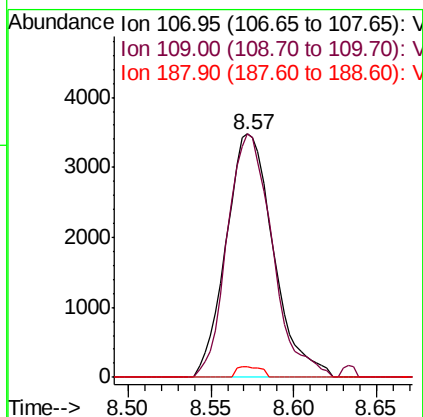
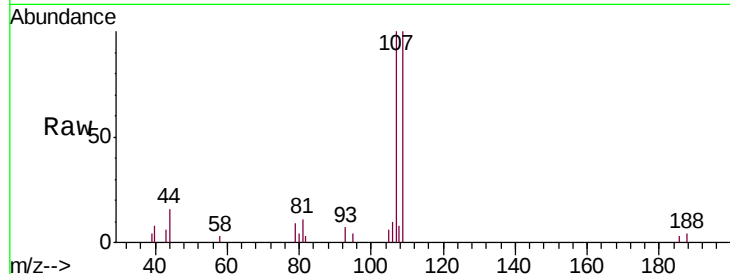




#50
 1,2-Dibromoethane
 Concen: 0.983 ug/L
 RT: 8.57 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

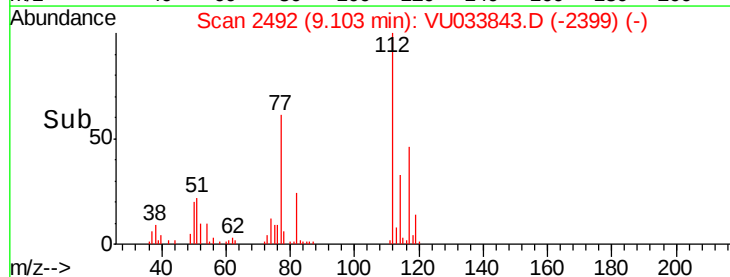
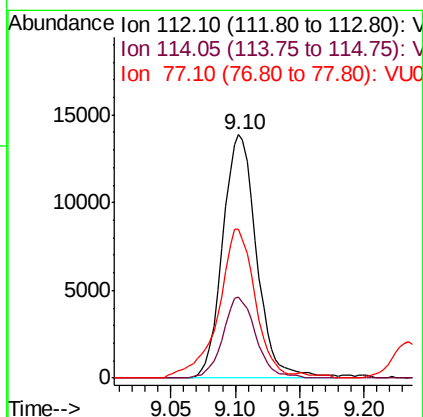
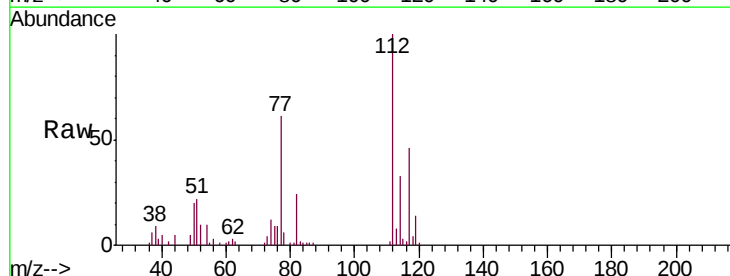
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

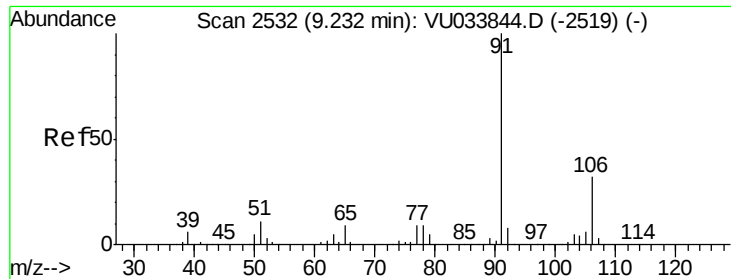
Tgt Ion:107 Resp: 6903
 Ion Ratio Lower Upper
 107 100
 109 99.8 66.3 123.1
 188 4.2 2.4 3.6#



#51
 Chlorobenzene
 Concen: 0.964 ug/L
 RT: 9.10 min Scan# 2492
 Delta R.T. -0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Tgt Ion:112 Resp: 25320
 Ion Ratio Lower Upper
 112 100
 114 33.2 21.3 39.6
 77 61.1 46.6 69.8





#52

Ethylbenzene

Concen: 0.880 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

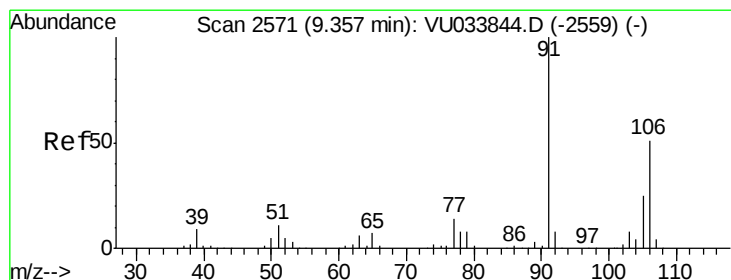
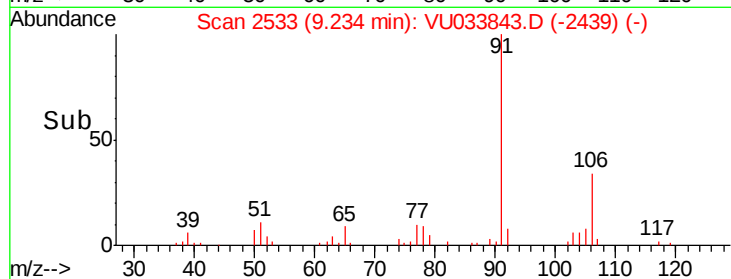
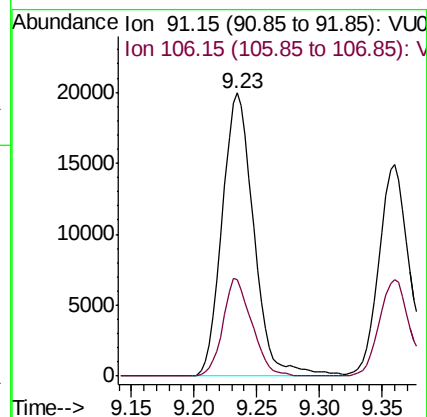
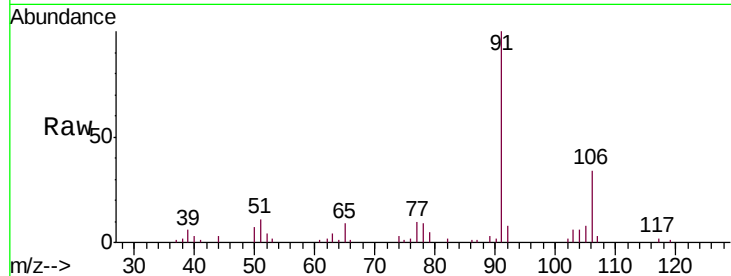
VSTD00106

Tgt Ion: 91 Resp: 34991

Ion Ratio Lower Upper

91 100

106 33.9 22.3 41.3



#53

m,p-Xylene

Concen: 0.773 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033843.D

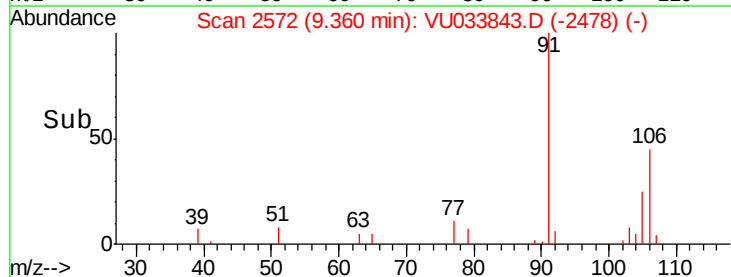
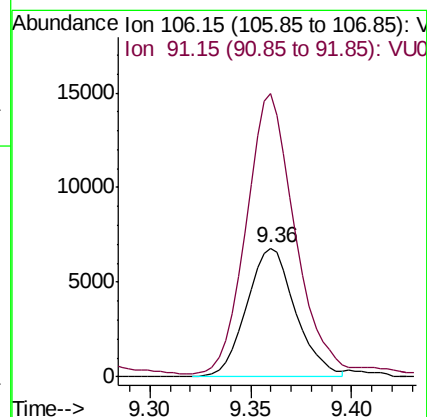
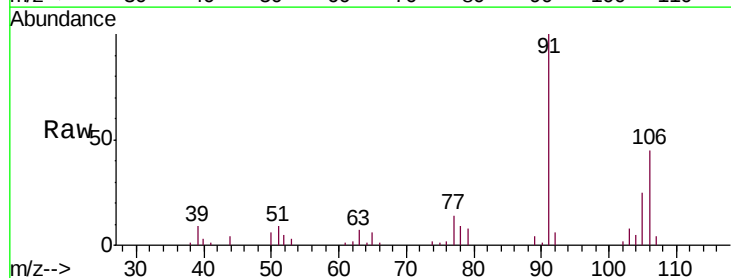
Acq: 20 Aug 2019 10:26

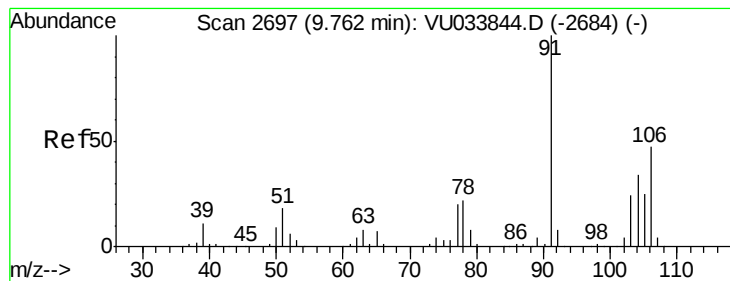
Tgt Ion: 106 Resp: 11539

Ion Ratio Lower Upper

106 100

91 219.9 137.7 255.7





#54

o-Xylene

Concen: 0.812 ug/L

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

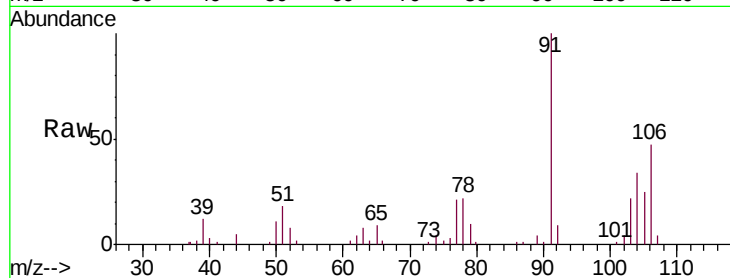
VSTD00106

Tgt Ion:106 Resp: 11624

Ion Ratio Lower Upper

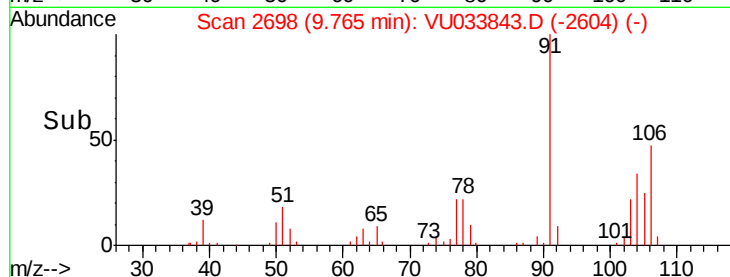
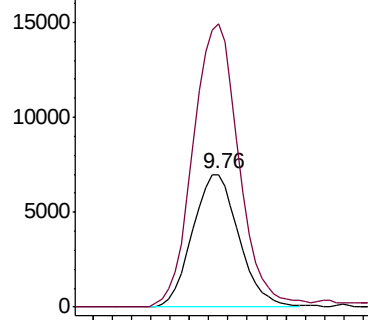
106 100

91 212.9 148.6 276.0

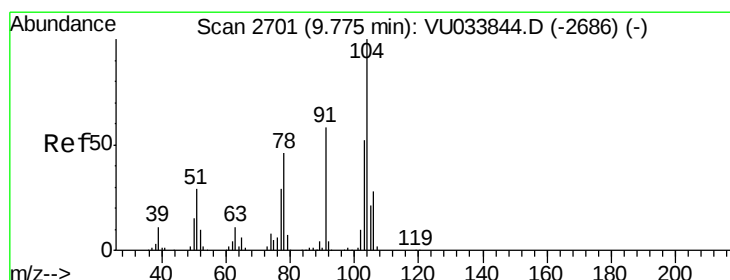


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->



#55

Styrene

Concen: 0.781 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033843.D

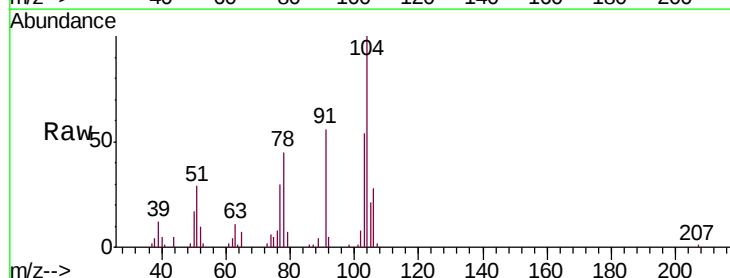
Acq: 20 Aug 2019 10:26

Tgt Ion:104 Resp: 19372

Ion Ratio Lower Upper

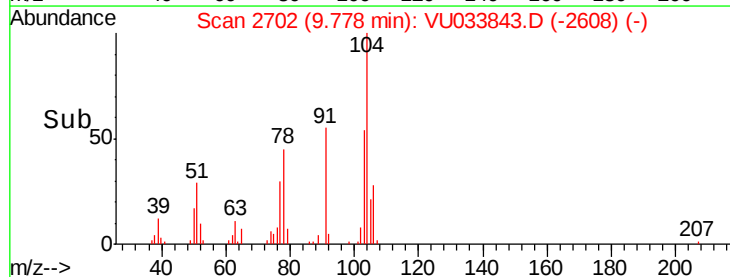
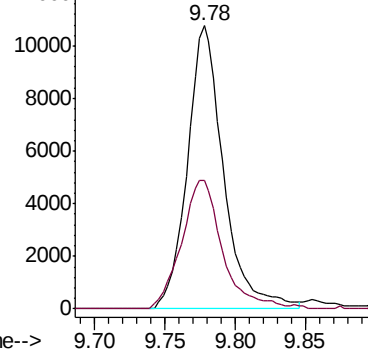
104 100

78 45.3 32.3 59.9

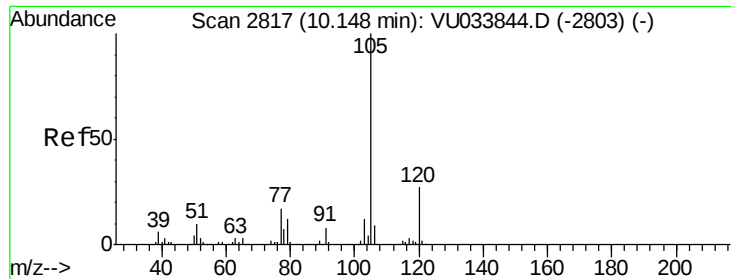


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



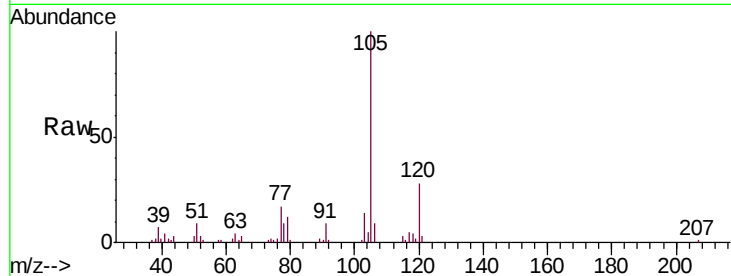
Time-->



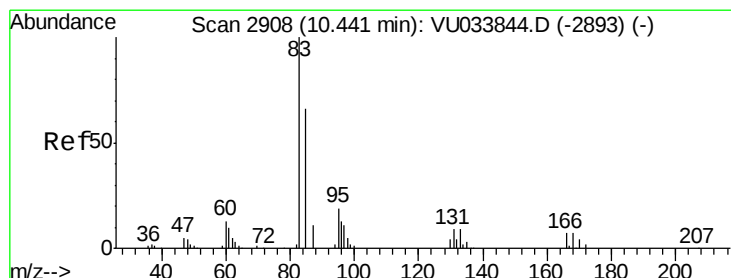
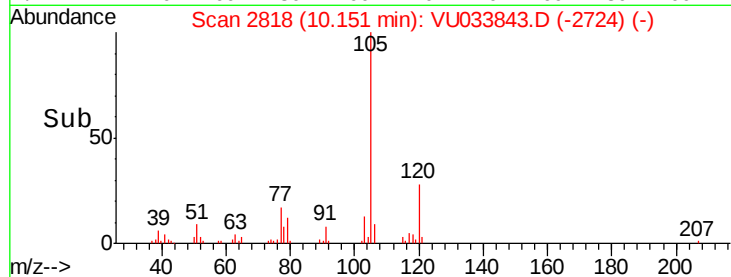
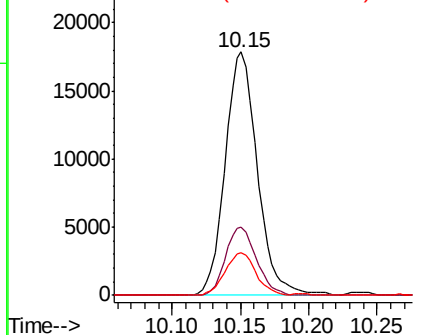
#56
Isopropylbenzene
Concen: 0.793 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.2	31.8
77	16.7	13.1	19.7

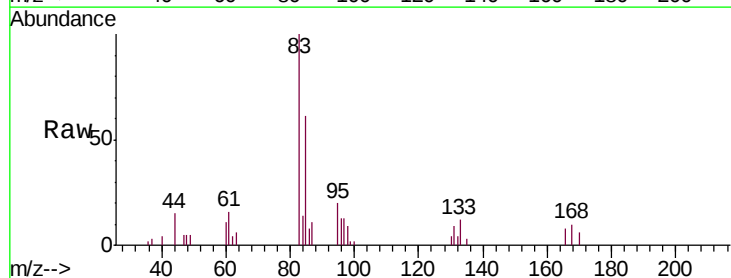


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

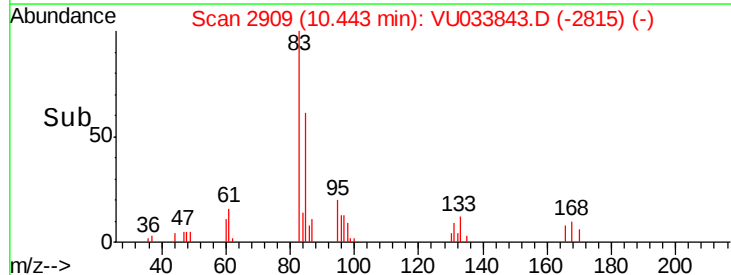
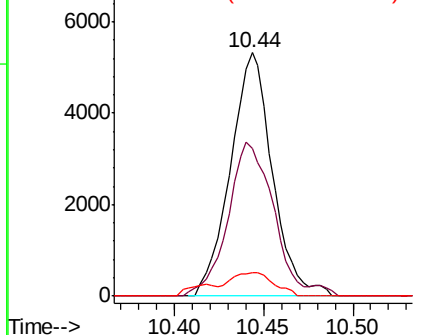


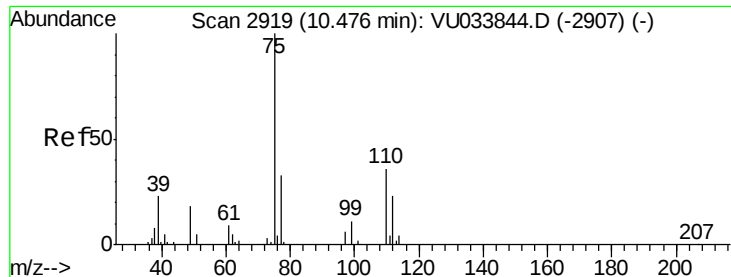
#58
1,1,2,2-Tetrachloroethane
Concen: 0.941 ug/L
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VU033843.D
Acq: 20 Aug 2019 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	46.5	86.3
131	9.5	7.1	10.7



Abundance Ion 82.95 (82.65 to 83.65): VU
Ion 85.00 (84.70 to 85.70): VU
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.974 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

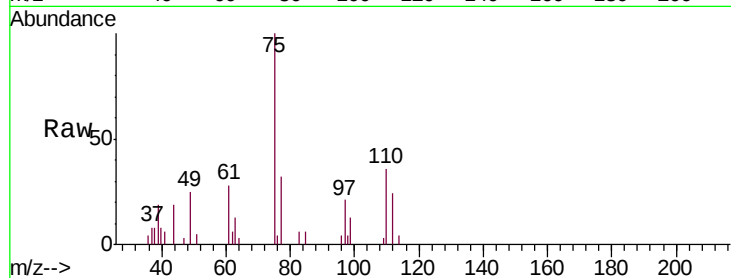
VSTD00106

Tgt Ion: 75 Resp: 6548

Ion Ratio Lower Upper

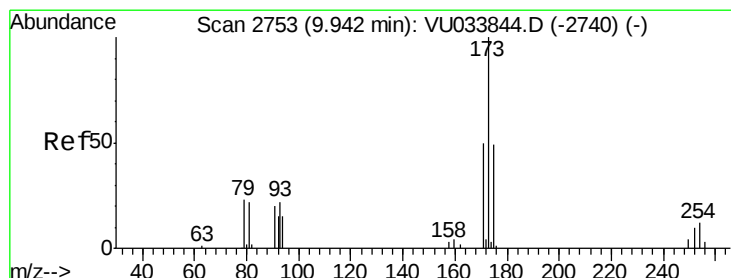
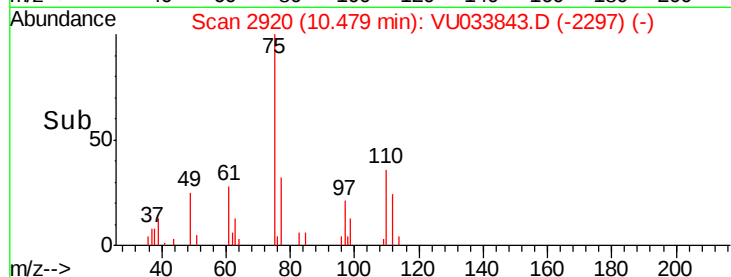
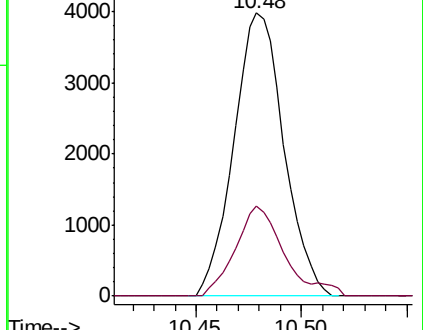
75 100

77 31.1 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: 1.018 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

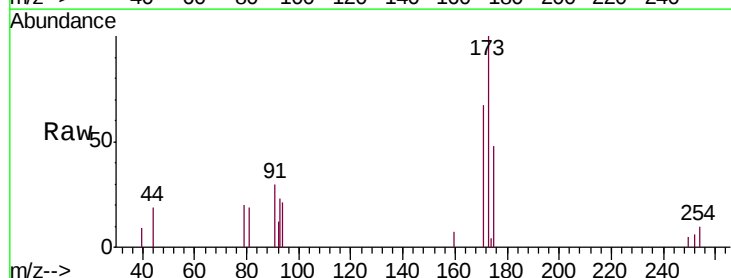
Tgt Ion: 173 Resp: 4821

Ion Ratio Lower Upper

173 100

175 47.4 39.3 58.9

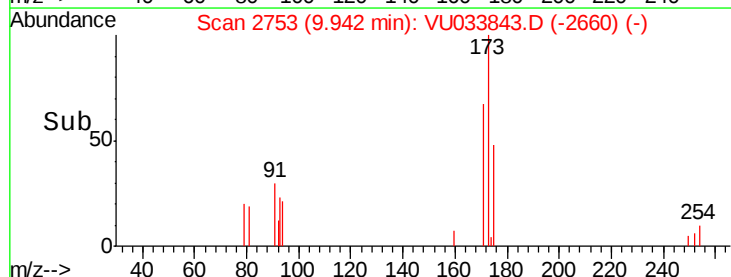
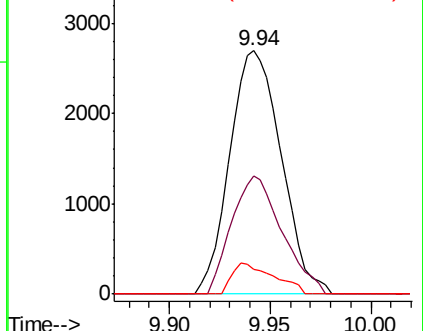
254 10.4 8.1 12.1

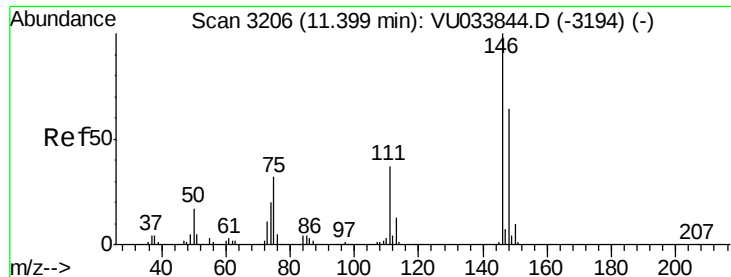


Abundance Ion 172.90 (172.60 to 173.60): VU033844.D (-2740) (-)

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: 1.017 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

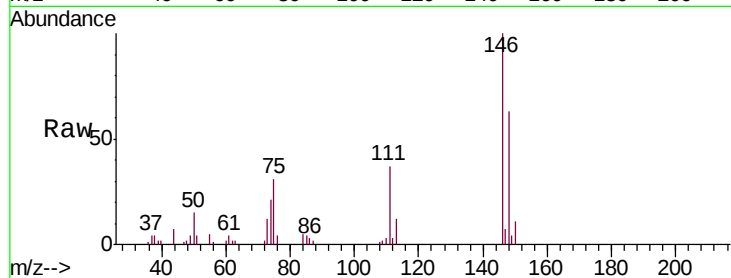
Tgt Ion:146 Resp: 19365

Ion Ratio Lower Upper

146 100

111 37.1 25.9 48.1

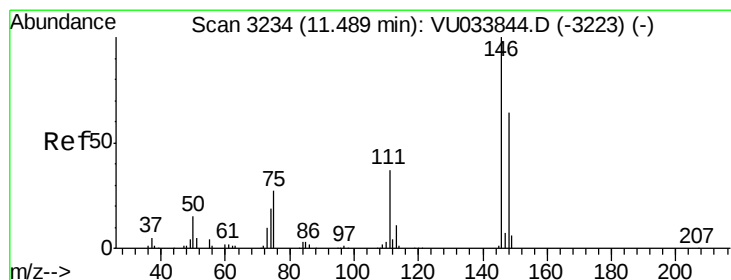
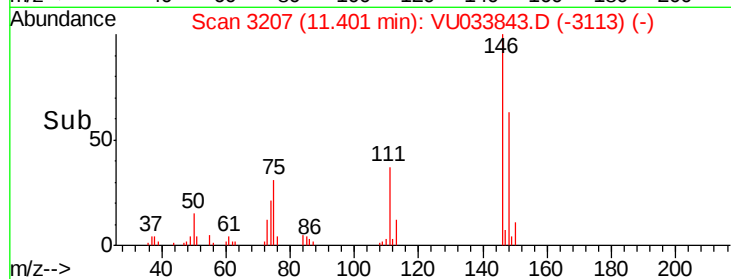
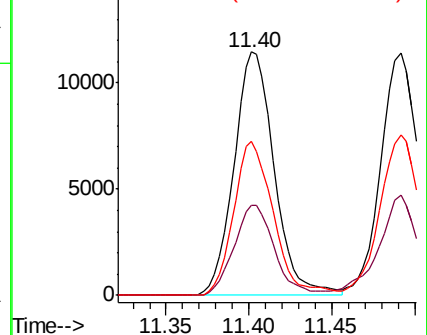
148 63.3 44.7 83.1



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: 0.994 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

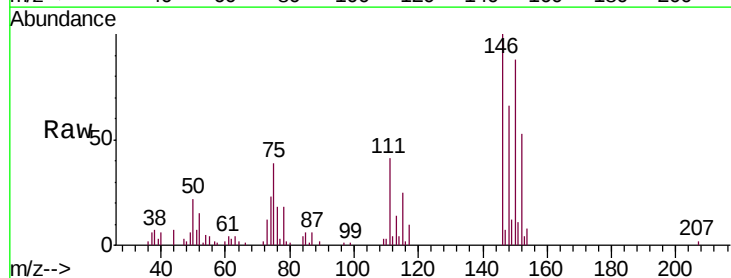
Tgt Ion:146 Resp: 19455

Ion Ratio Lower Upper

146 100

111 41.2 26.2 48.6

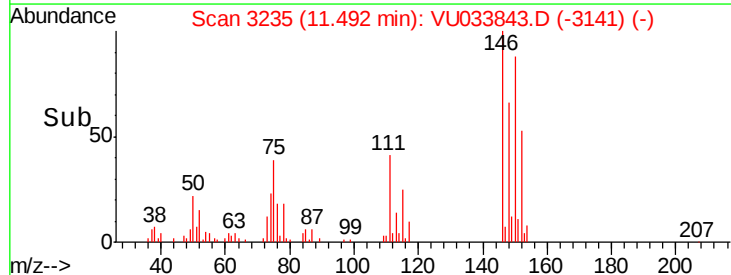
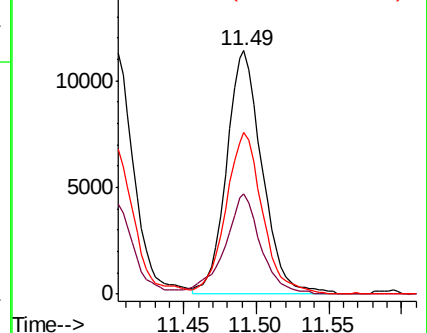
148 66.2 44.7 83.1

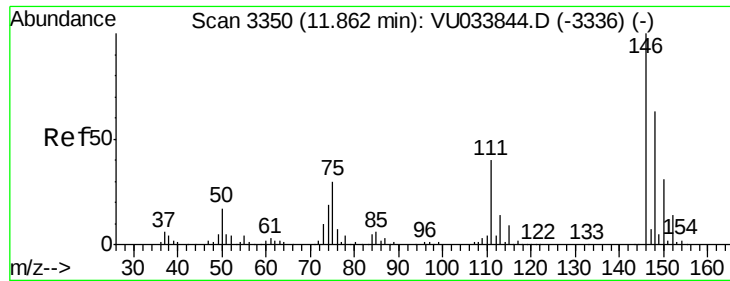


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.023 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

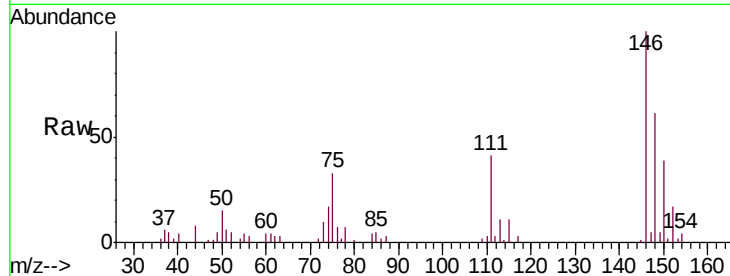
Tgt Ion:146 Resp: 18855

Ion Ratio Lower Upper

146 100

111 40.9 31.9 47.9

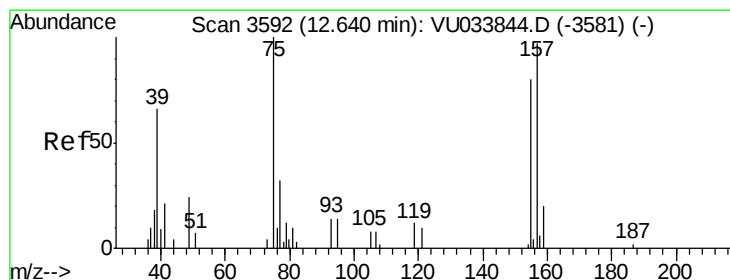
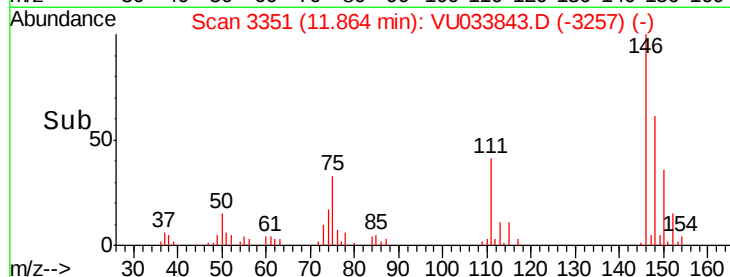
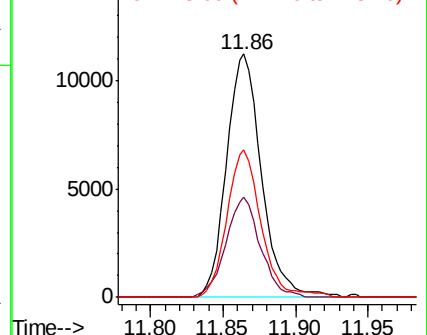
148 60.6 50.6 76.0



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: 1.100 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

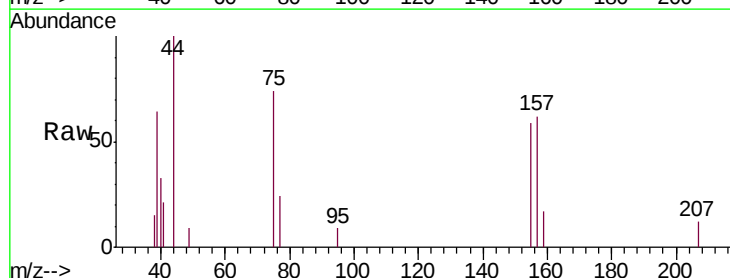
Tgt Ion: 75 Resp: 1434

Ion Ratio Lower Upper

75 100

155 79.8 64.1 96.1

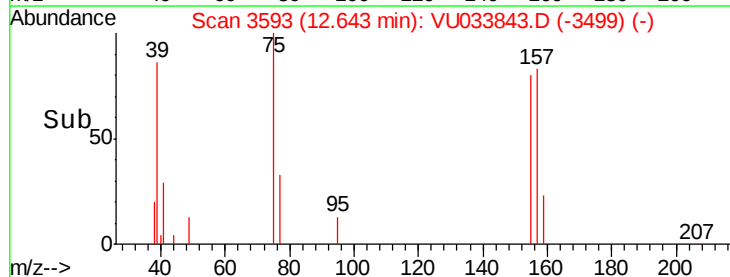
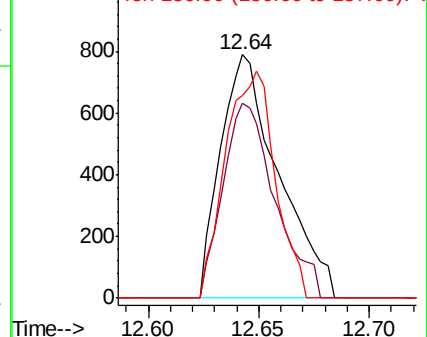
157 83.1 77.5 116.3

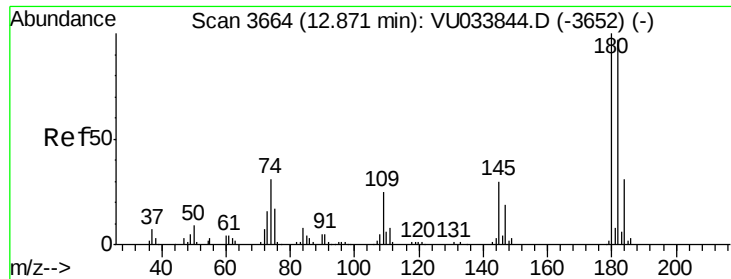


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

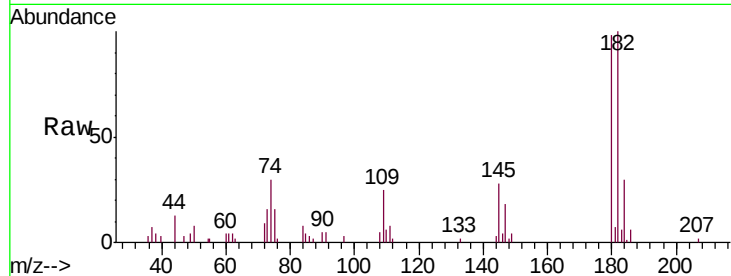




#67
 1,3,5-Trichlorobenzene
 Concen: 0.974 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.5	77.5	116.3
184	31.4	24.2	36.4
145	28.6	23.4	35.2



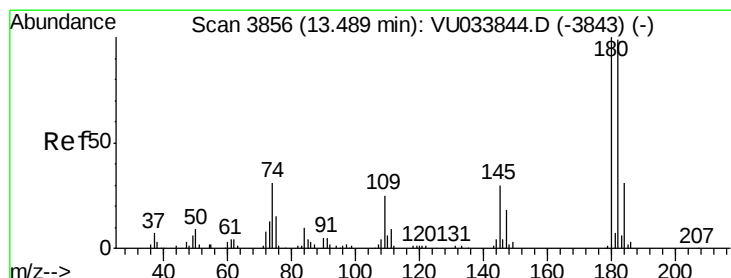
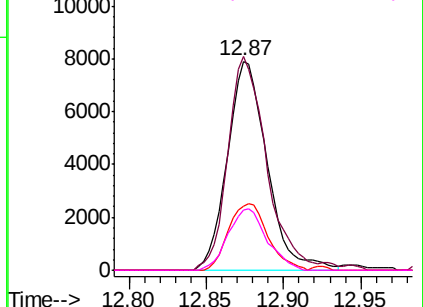
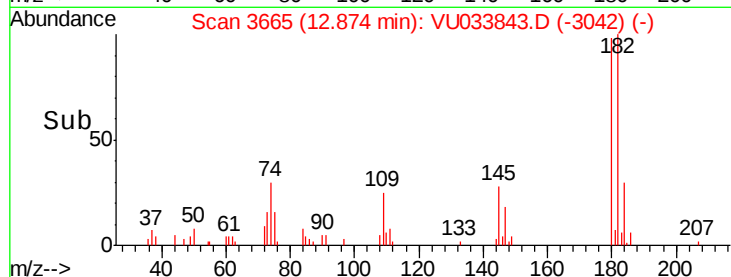
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

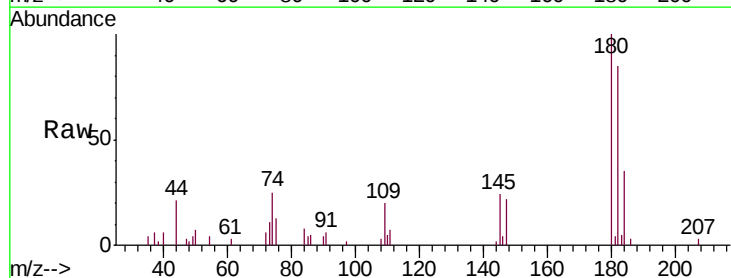
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.894 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033843.D
 Acq: 20 Aug 2019 10:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.6	77.6	116.4
145	27.0	24.4	36.6

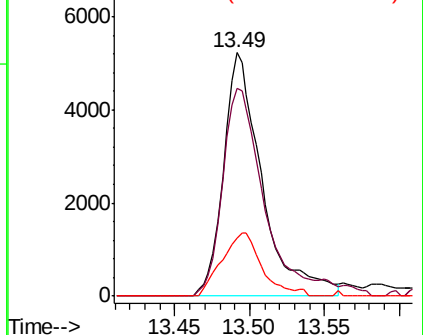
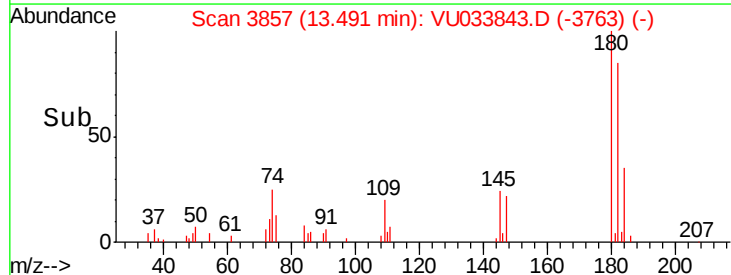


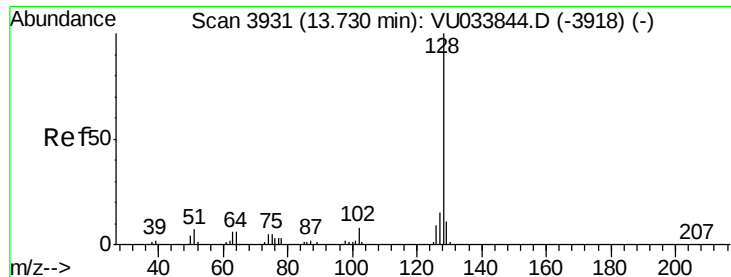
Abundance

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: 0.690 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

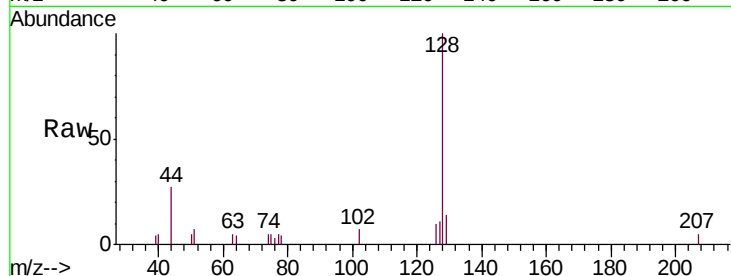
Tgt Ion:128 Resp: 9934

Ion Ratio Lower Upper

128 100

129 10.0 9.0 13.6

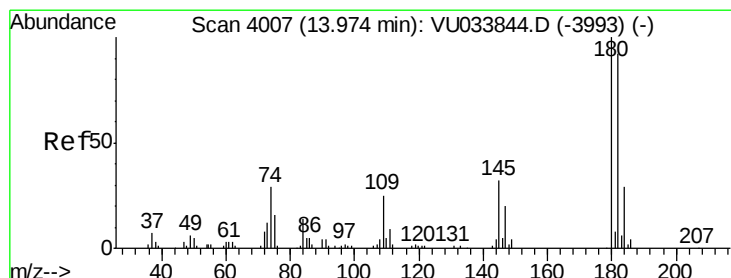
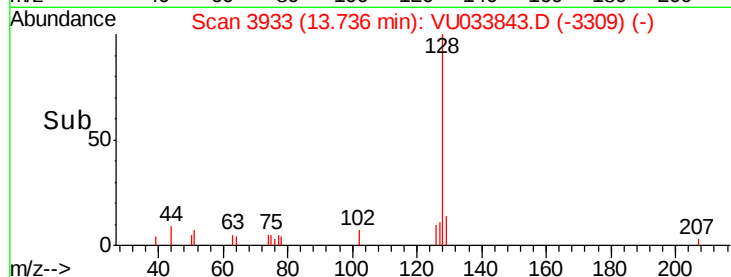
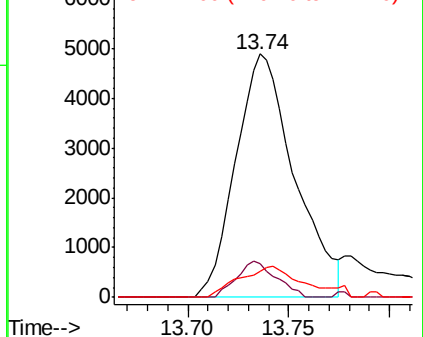
127 12.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.848 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033843.D

Acq: 20 Aug 2019 10:26

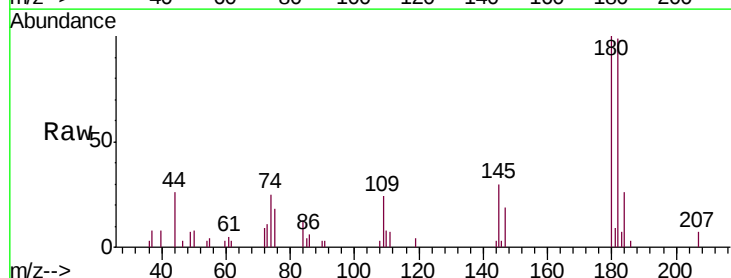
Tgt Ion:180 Resp: 8377

Ion Ratio Lower Upper

180 100

182 101.2 76.9 115.3

145 30.3 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

