

Data File : VU033127.D
Acq On : 02 Jul 2019 08:53
Operator : JC/SP
Sample : VSTD0.502
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Quant Time: Jul 03 01:27:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 01:24:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	97348	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	96561	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48595	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	2711	0.43	ug/L	0.00
7) Chloroethane-d5	1.68	69	2524	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	7023	0.51	ug/L	0.00
20) 2-Butanone-d5	4.21	46	9372	4.76	ug/L	0.02
24) Chloroform-d	4.64	84	6695	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	4034	0.53	ug/L	0.00
32) Benzene-d6	5.33	84	11210	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	3769	0.49	ug/L	0.00
41) Toluene-d8	7.56	98	10543	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	1590	0.49	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	5194	3.88	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	3326	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4536	0.50	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	5074	0.509	ug/L	98
3) Chloromethane	1.32	50	4993	0.526	ug/L	97
5) Vinyl chloride	1.40	62	4890	0.513	ug/L	98
6) Bromomethane	1.63	94	2439	0.474	ug/L	90
8) Chloroethane	1.70	64	2879	0.518	ug/L	90
9) Trichlorofluoromethane	1.88	101	6546	0.486	ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3477	0.499	ug/L	100
12) 1,1-Dichloroethene	2.28	96	3163	0.489	ug/L	93
13) Acetone	2.34	43	9080	5.505	ug/L	97
14) Carbon disulfide	2.47	76	10661	0.497	ug/L #	92
15) Methyl Acetate	2.62	43	2077	0.542	ug/L #	86
16) Methylene chloride	2.69	84	4155	0.558	ug/L	99
17) Methyl tert-butyl Ether	3.00	73	9090	0.502	ug/L #	93
18) trans-1,2-Dichloroethene	2.97	96	3601	0.508	ug/L	90
19) 1,1-Dichloroethane	3.43	63	7064	0.507	ug/L	96
21) 2-Butanone	4.30	43	9887	4.228	ug/L	92
22) cis-1,2-Dichloroethene	4.22	96	3678	0.474	ug/L	96
23) Bromochloromethane	4.54	128	1619	0.473	ug/L	88
25) Chloroform	4.67	83	9024	0.632	ug/L	98
27) 1,2-Dichloroethane	5.40	62	4951	0.507	ug/L	96
29) 1,1,1-Trichloroethane	4.90	97	6092	0.496	ug/L	99
30) Cyclohexane	4.98	56	5260	0.465	ug/L #	91
31) Carbon tetrachloride	5.13	117	5423	0.489	ug/L	97
33) Benzene	5.38	78	13482	0.475	ug/L	100
34) Trichloroethene	6.18	95	3731	0.480	ug/L	88
35) Methylcyclohexane	6.40	83	5246	0.450	ug/L	97
37) 1,2-Dichloropropane	6.43	63	3902	0.511	ug/L #	88
38) Bromodichloromethane	6.75	83	5133	0.511	ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	4759	0.426	ug/L	92
40) 4-Methyl-2-pentanone	7.47	43	24167	4.576	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	14213	0.468	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	4088	0.453	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	2612	0.485	ug/L	93
47) Tetrachloroethene	8.22	164	3081	0.492	ug/L	92
48) 2-Hexanone	8.37	43	17598	4.668	ug/L #	97
49) Dibromochloromethane	8.47	129	3395	0.503	ug/L	91
50) 1,2-Dibromoethane	8.58	107	2353	0.450	ug/L #	95
51) Chlorobenzene	9.12	112	9800	0.488	ug/L	96
52) Ethylbenzene	9.24	91	15186	0.455	ug/L	98
53) m,p-Xylene	9.37	106	5214	0.430	ug/L	88
54) o-Xylene	9.77	106	5258	0.446	ug/L	97
55) Styrene	9.79	104	8316	0.417	ug/L	99
56) Isopropylbenzene	10.16	105	13548	0.421	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.45	83	3323	0.482	ug/L #	91
59) 1,2,3-Trichloropropane	10.49	75	2615	0.513	ug/L	96
61) Bromoform	9.95	173	1725	0.469	ug/L #	93
62) 1,3-Dichlorobenzene	11.41	146	7464	0.491	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	7950	0.501	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	7148	0.484	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	449	0.451	ug/L #	62
67) 1,3,5-Trichlorobenzene	12.89	180	5476	0.456	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	2483	0.291	ug/L	97
69) Naphthalene	13.76	128	2116	0.169	ug/L #	75
70) 1,2,3-Trichlorobenzene	13.99	180	2553	0.307	ug/L #	80

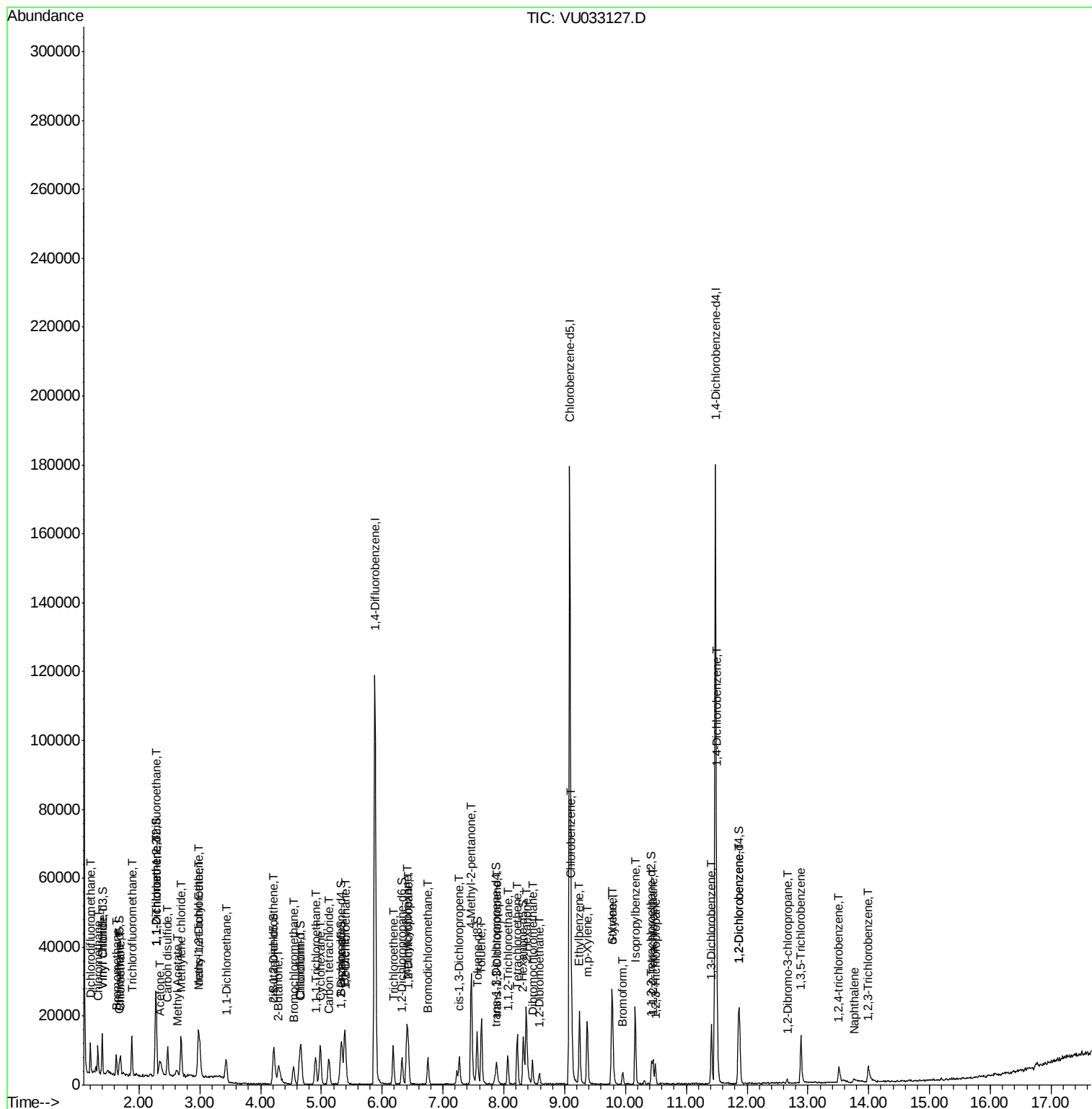
(#) = qualifier out of range (m) = manual integration (+) = signals summed

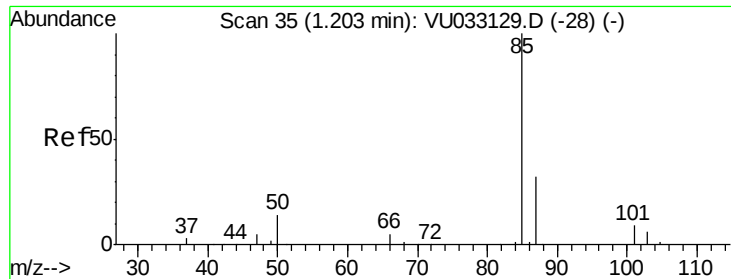
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#2

Dichlorodifluoromethane

Concen: 0.509 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

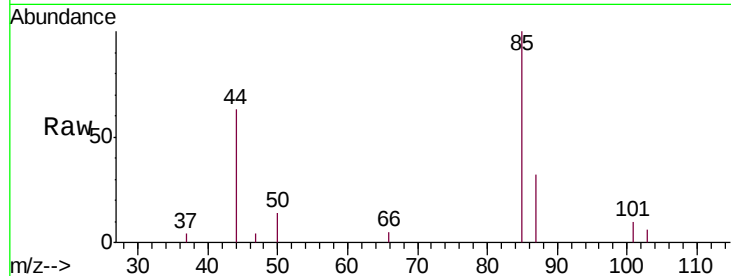
VSTD0.502

Tgt Ion: 85 Resp: 5074

Ion Ratio Lower Upper

85 100

87 31.0 25.8 38.8

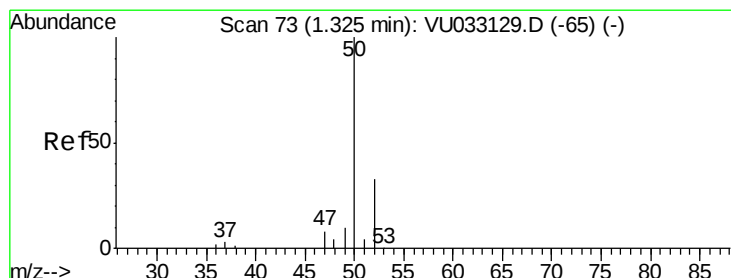
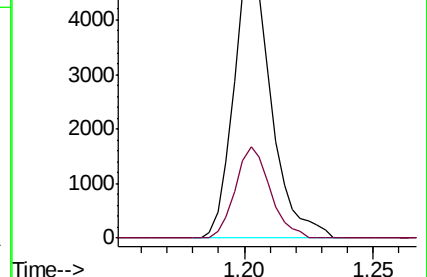
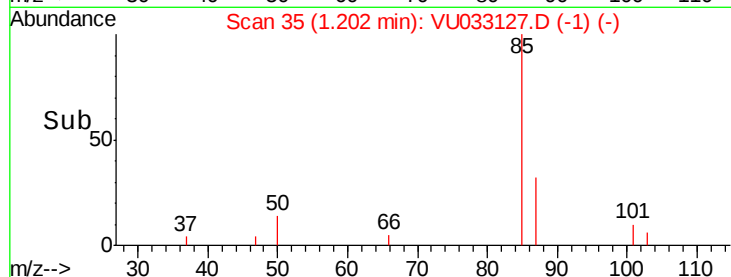


Abundance Ion 85.00 (84.70 to 85.70): VU033127.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU033127.D (-28) (-)

1.20

Time-->



#3

Chloromethane

Concen: 0.526 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033127.D

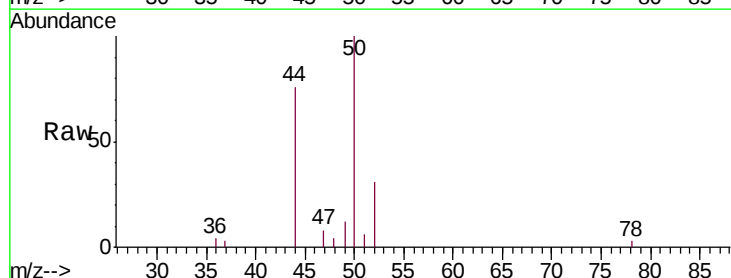
Acq: 02 Jul 2019 08:53

Tgt Ion: 50 Resp: 4993

Ion Ratio Lower Upper

50 100

52 31.2 23.0 42.6

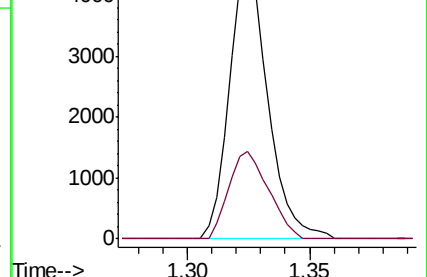
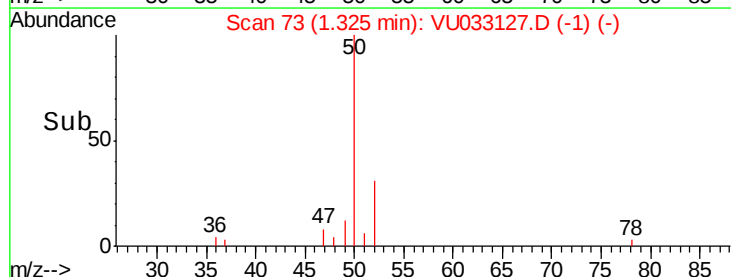


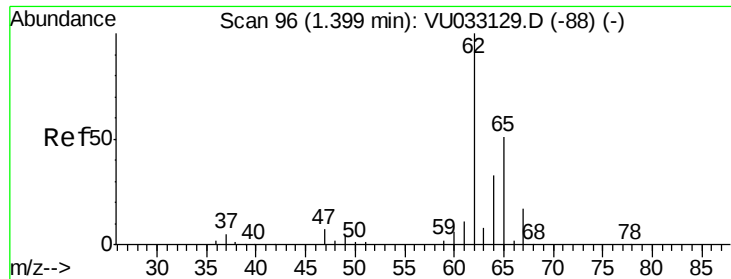
Abundance Ion 50.05 (49.75 to 50.75): VU033127.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU033127.D (-65) (-)

1.32

Time-->





#5

Vinyl chloride

Concen: 0.513 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

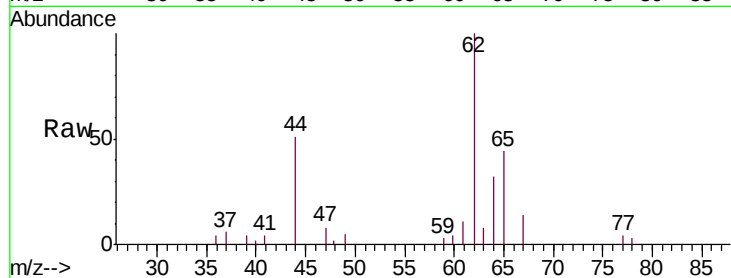
VSTD0.502

Tgt Ion: 62 Resp: 4890

Ion Ratio Lower Upper

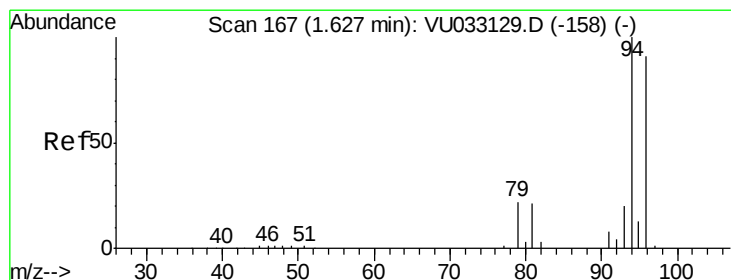
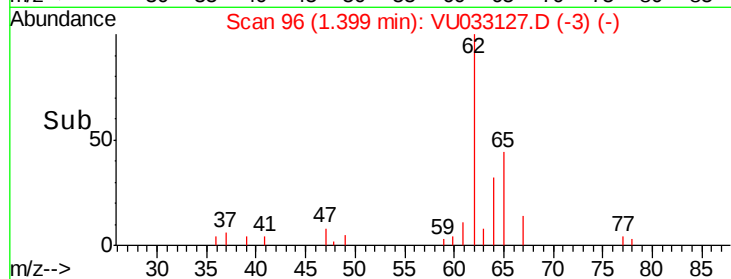
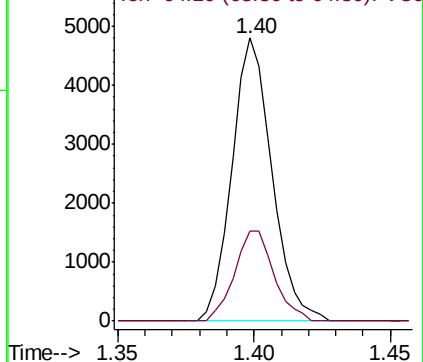
62 100

64 31.9 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.474 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU033127.D

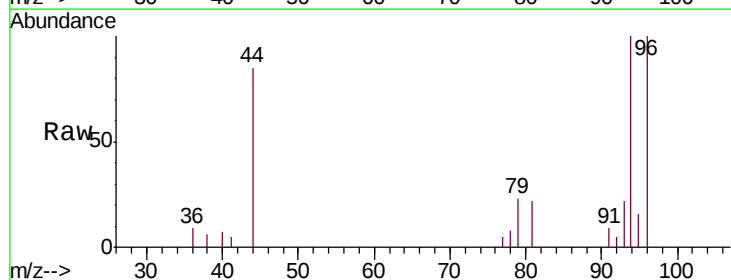
Acq: 02 Jul 2019 08:53

Tgt Ion: 94 Resp: 2439

Ion Ratio Lower Upper

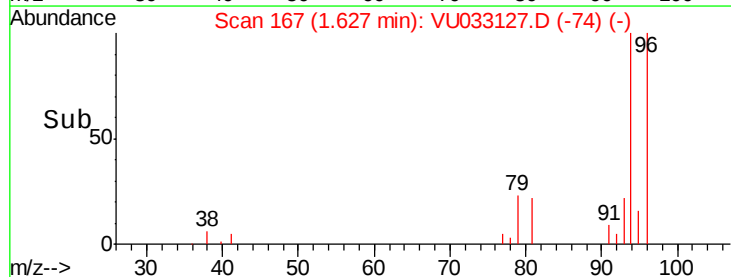
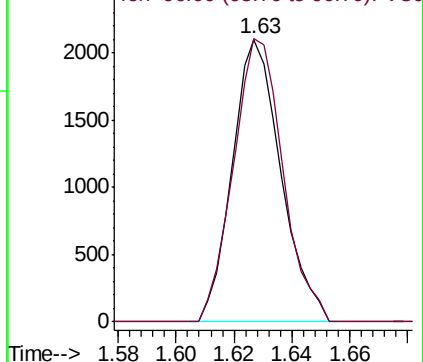
94 100

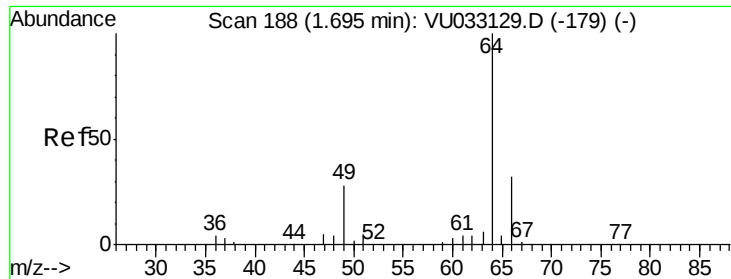
96 100.1 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.518 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

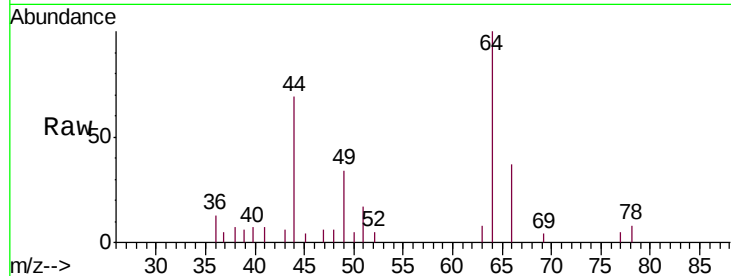
VSTD0.502

Tgt Ion: 64 Resp: 2879

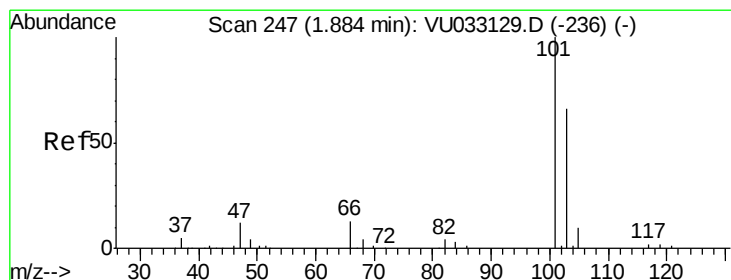
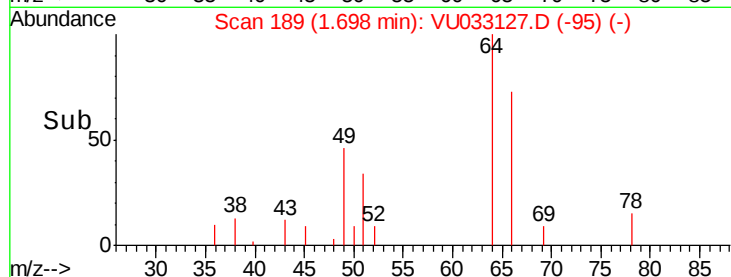
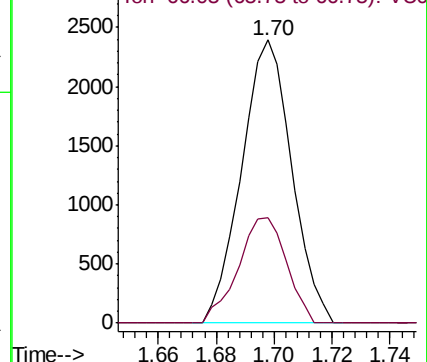
Ion Ratio Lower Upper

64 100

66 37.4 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU033127.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 0.486 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU033127.D

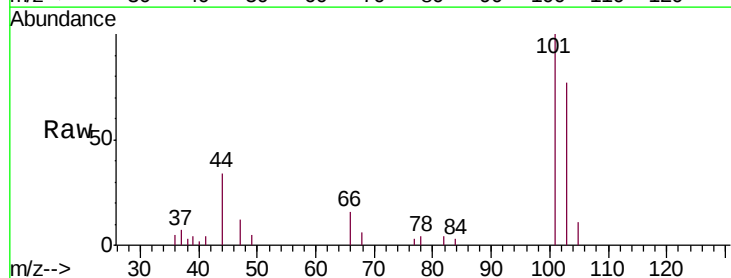
Acq: 02 Jul 2019 08:53

Tgt Ion: 101 Resp: 6546

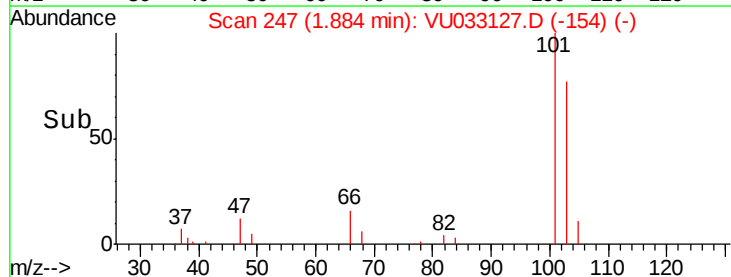
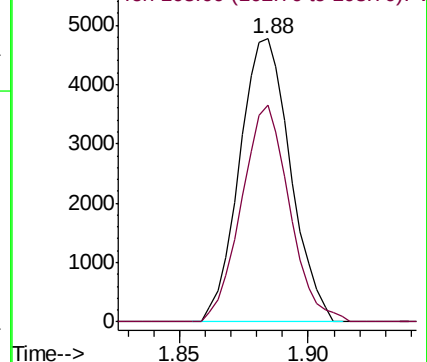
Ion Ratio Lower Upper

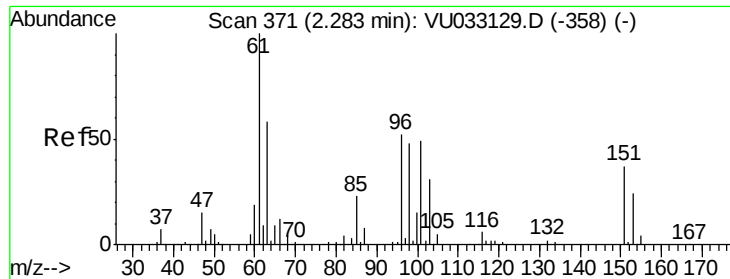
101 100

103 72.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU033127.D (-154) (-)





#10

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

Concen: 0.499 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampled :

VSTD0.502

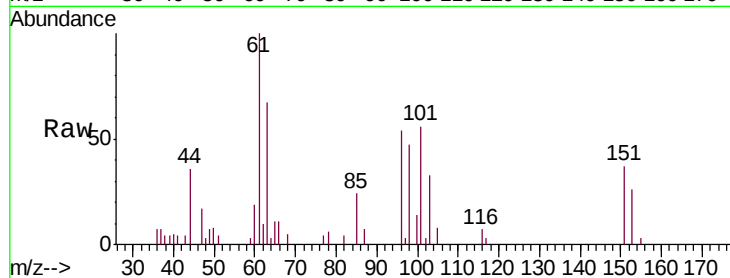
Tgt Ion:101 Resp: 3477

Ion Ratio Lower Upper

101 100

85 47.0 38.0 57.0

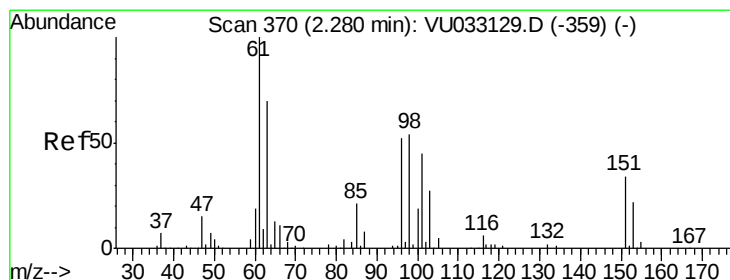
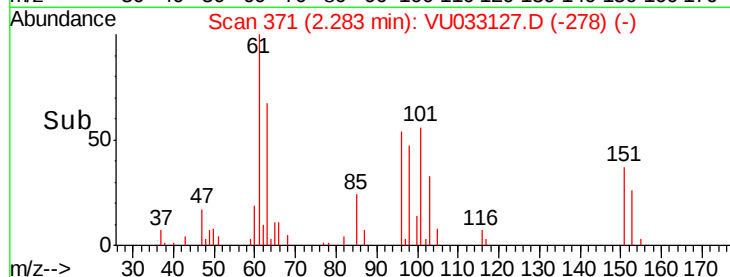
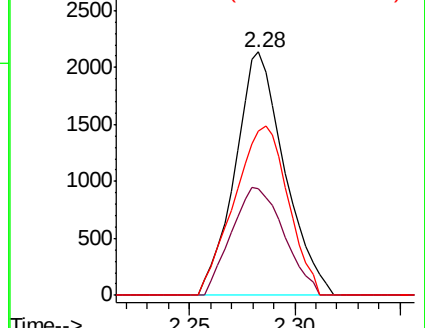
151 75.8 60.6 91.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.489 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

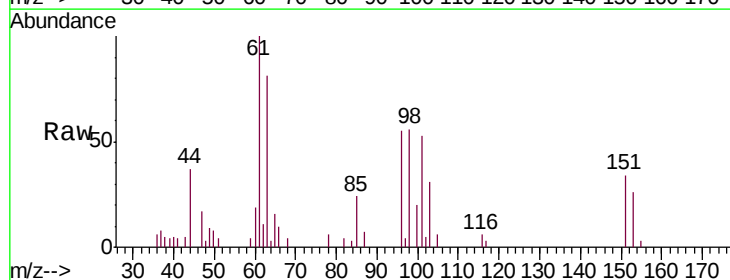
Tgt Ion: 96 Resp: 3163

Ion Ratio Lower Upper

96 100

61 180.8 135.5 251.7

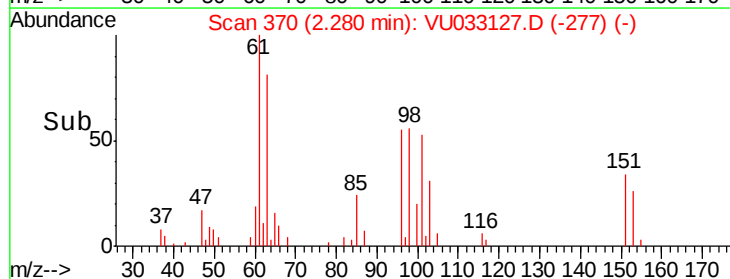
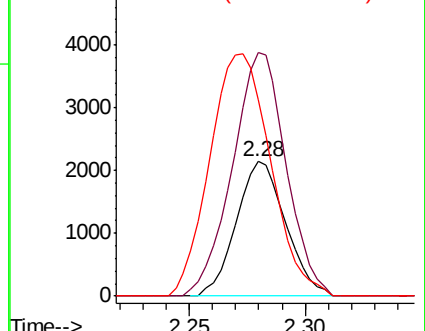
63 145.6 98.0 182.0

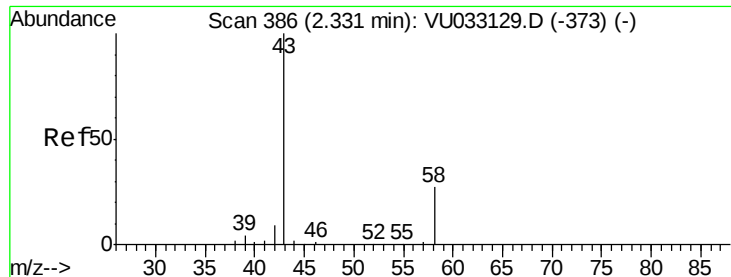


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.505 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

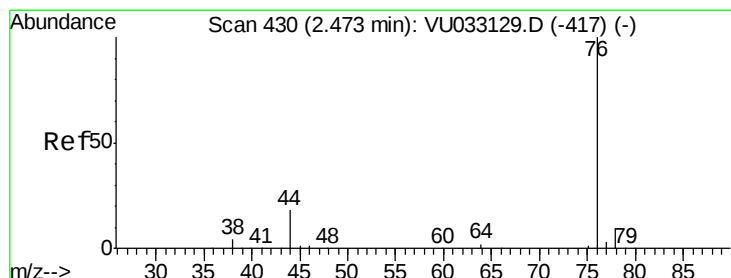
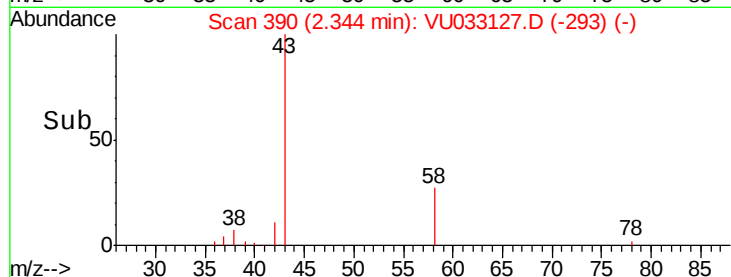
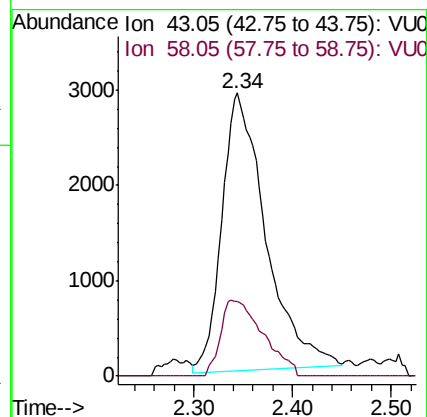
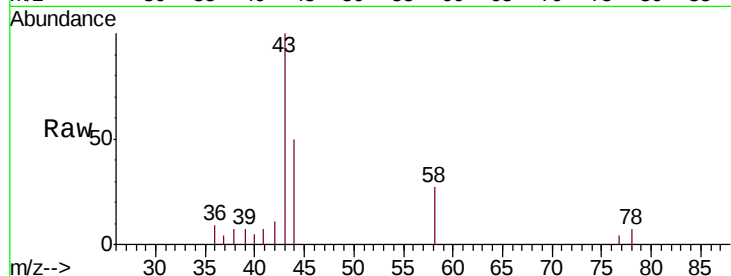
VSTD0.502

Tgt Ion: 43 Resp: 9080

Ion Ratio Lower Upper

43 100

58 26.4 0.0 55.4



#14

Carbon disulfide

Concen: 0.497 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU033127.D

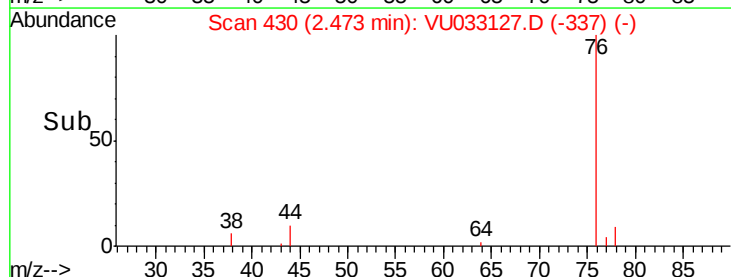
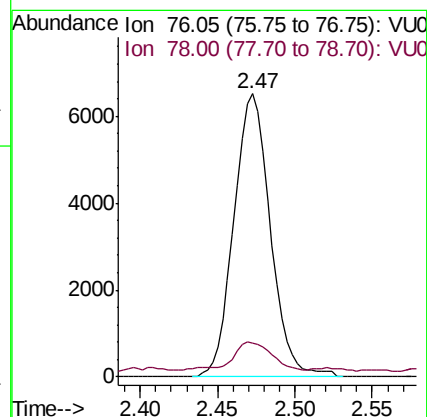
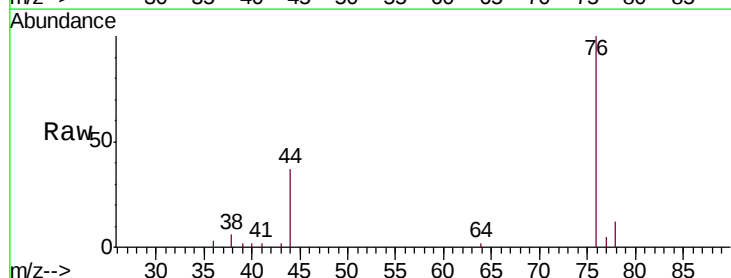
Acq: 02 Jul 2019 08:53

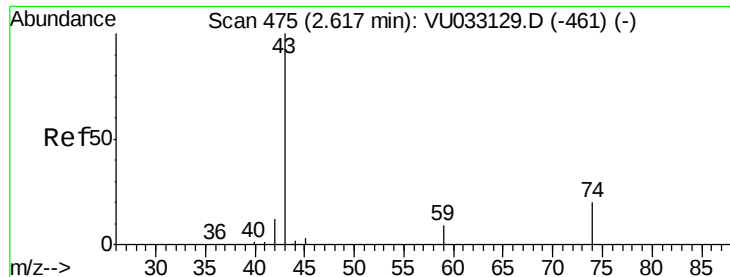
Tgt Ion: 76 Resp: 10661

Ion Ratio Lower Upper

76 100

78 12.0 7.2 10.8#

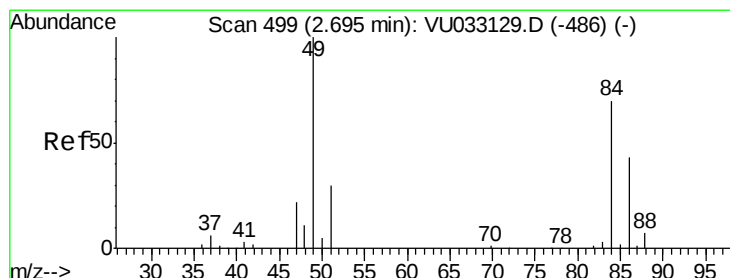
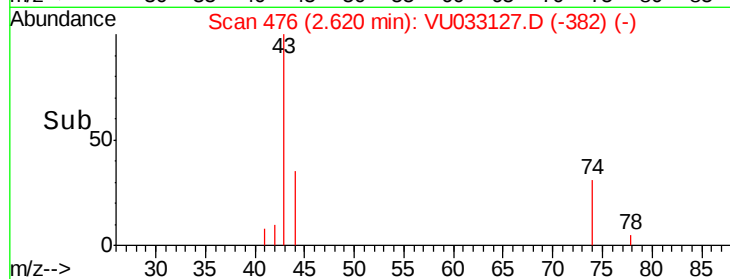
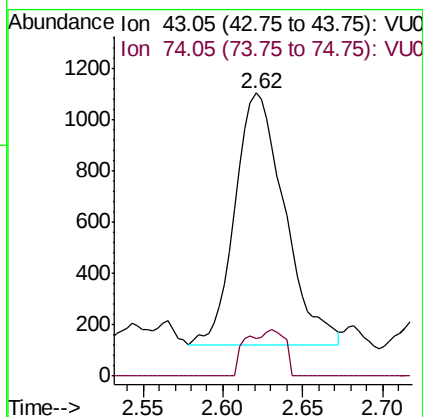
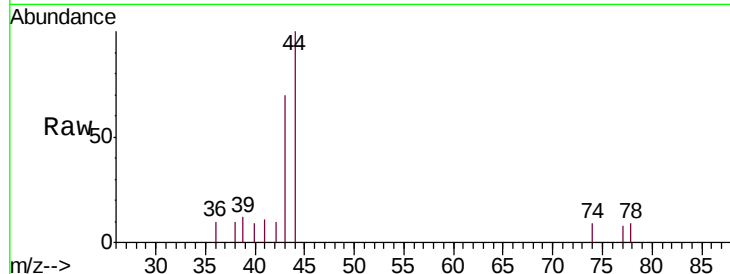




#15
Methyl Acetate
Concen: 0.542 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

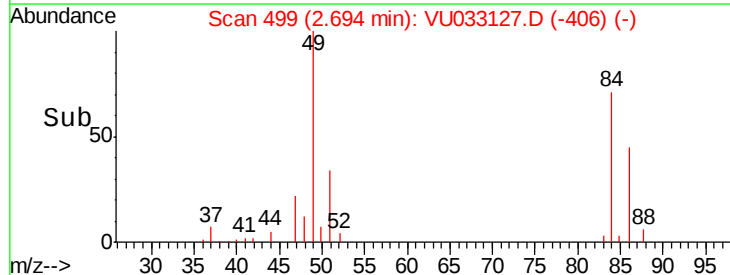
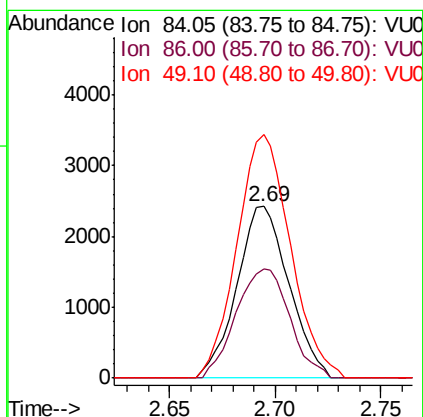
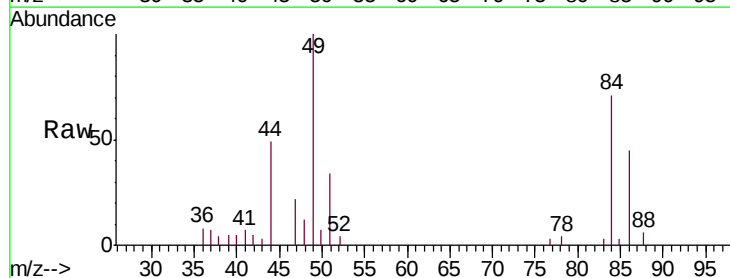
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

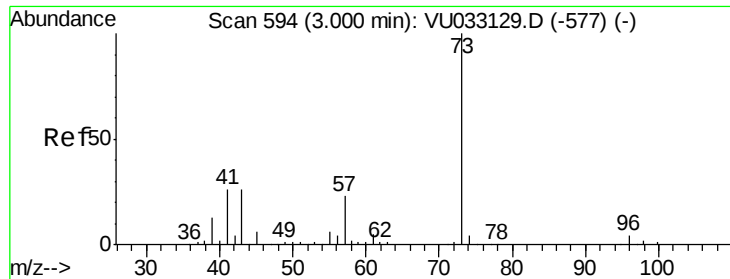
Tgt Ion: 43 Resp: 2077
Ion Ratio Lower Upper
43 100
74 14.4 16.8 25.2#



#16
Methylene chloride
Concen: 0.558 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Tgt Ion: 84 Resp: 4155
Ion Ratio Lower Upper
84 100
86 63.5 42.8 79.6
49 141.6 99.5 184.9

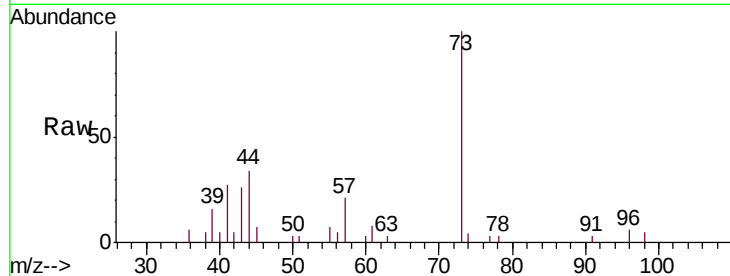




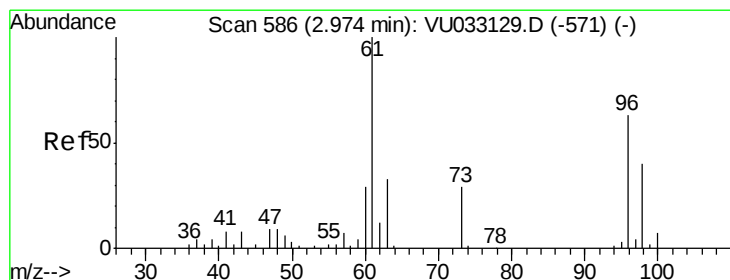
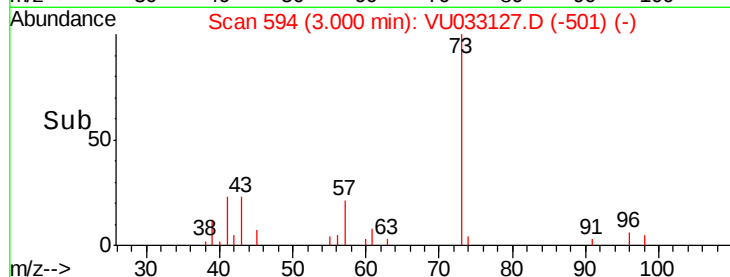
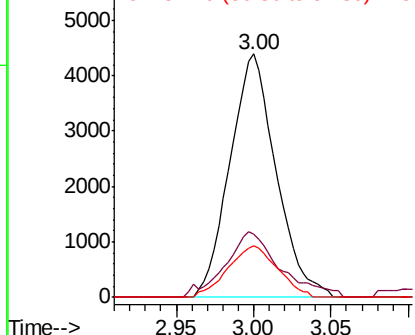
#17
Methyl tert-butyl Ether
Concen: 0.502 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion: 73 Resp: 9090
Ion Ratio Lower Upper
73 100
43 31.8 20.6 30.8#
57 22.8 18.3 27.5

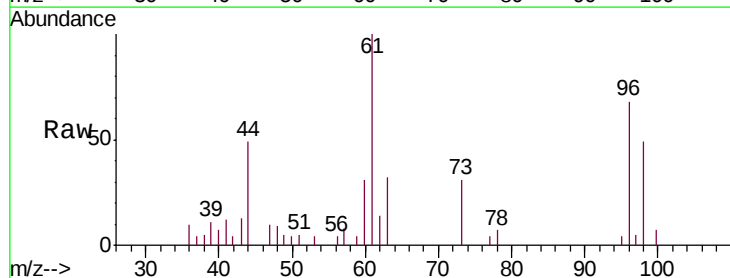


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

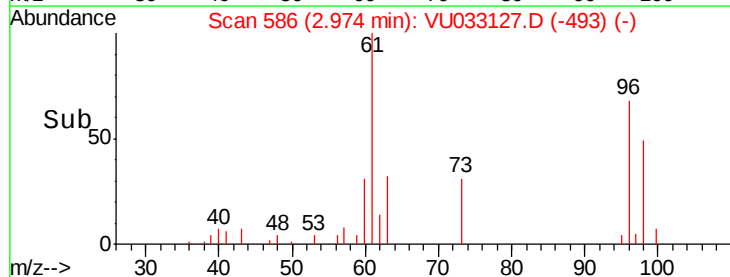
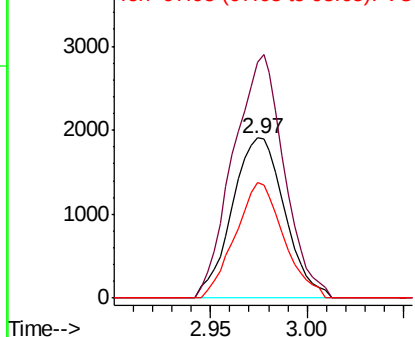


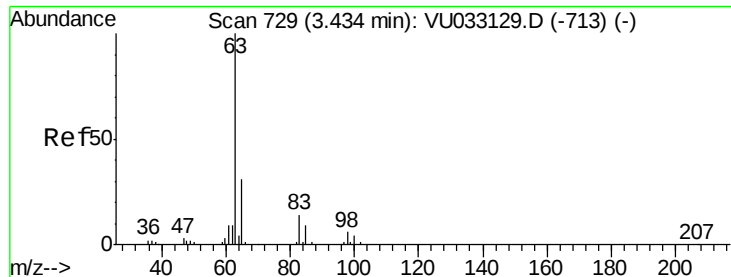
#18
trans-1,2-Dichloroethene
Concen: 0.508 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Tgt Ion: 96 Resp: 3601
Ion Ratio Lower Upper
96 100
61 147.2 111.3 206.7
98 72.2 44.0 81.8



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

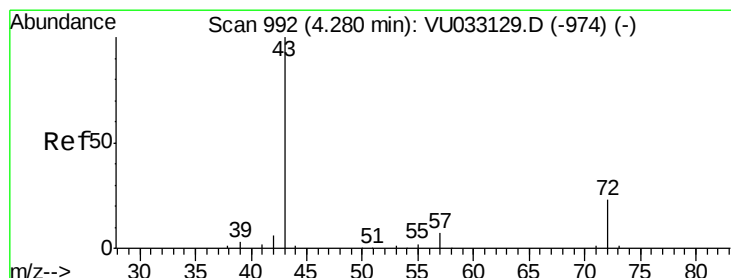
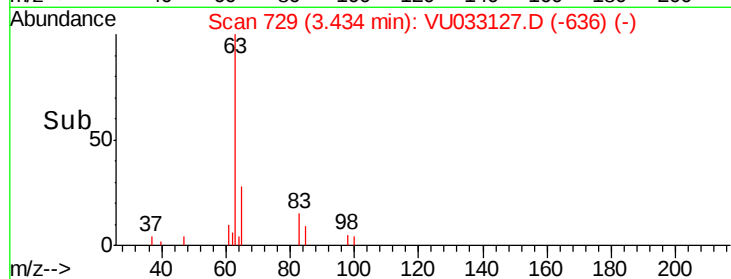
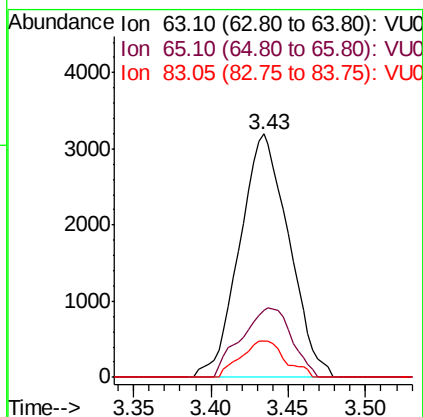
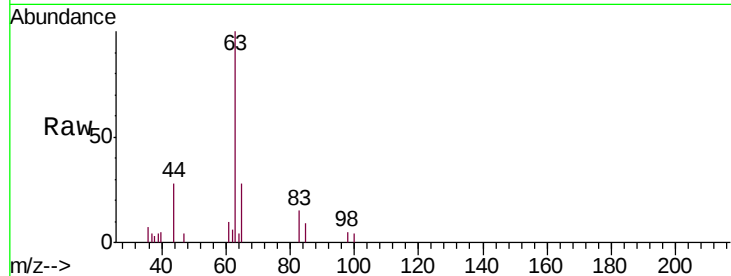




#19
 1,1-Dichloroethane
 Concen: 0.507 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

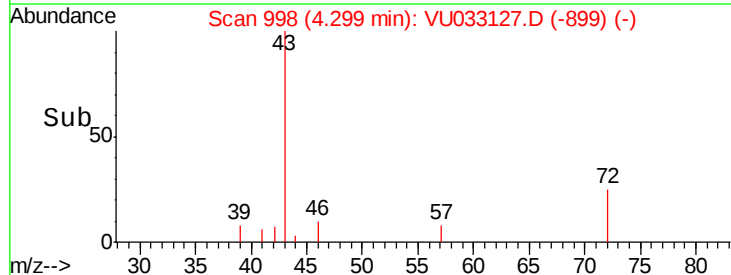
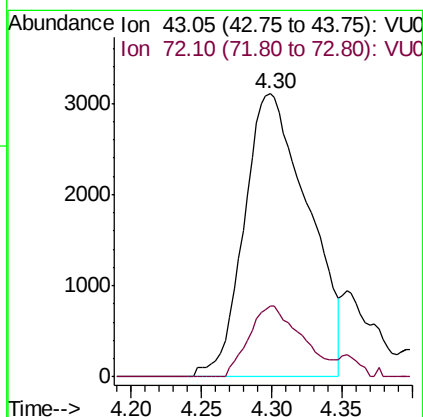
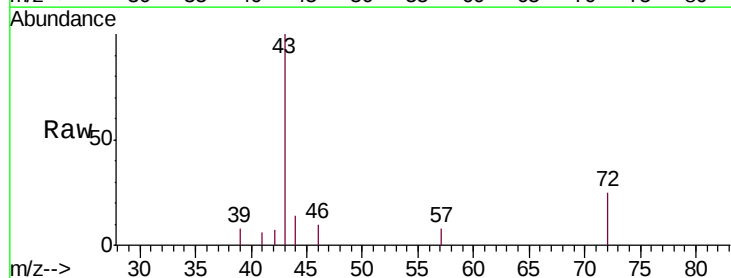
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

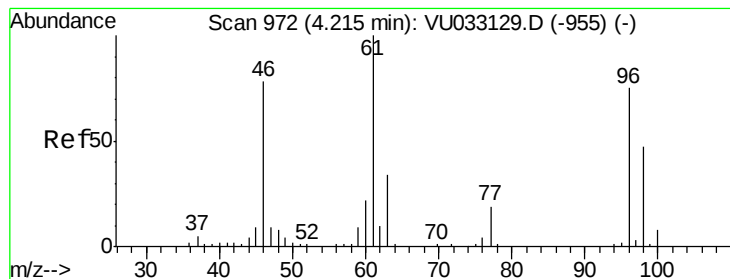
Tgt Ion: 63 Resp: 7064
 Ion Ratio Lower Upper
 63 100
 65 27.7 21.4 39.8
 83 15.1 9.9 18.3



#21
 2-Butanone
 Concen: 4.228 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.02 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Tgt Ion: 43 Resp: 9887
 Ion Ratio Lower Upper
 43 100
 72 20.3 12.1 36.3



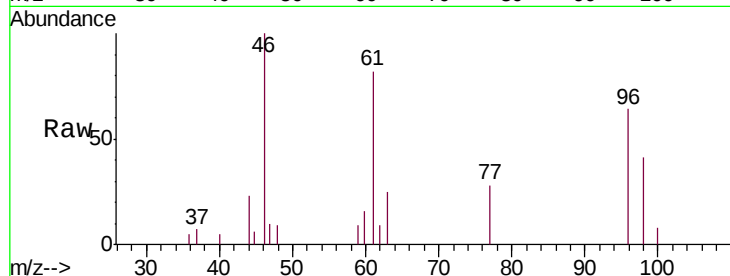


#22

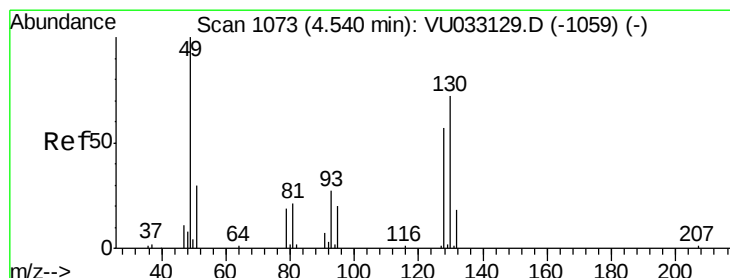
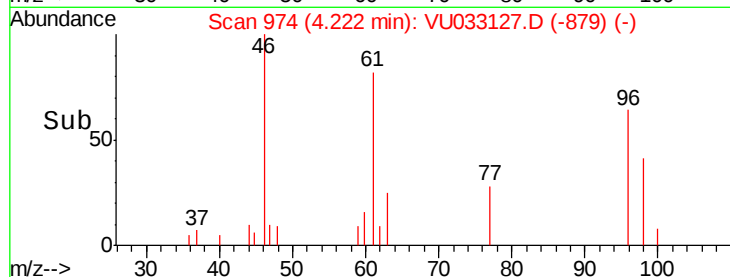
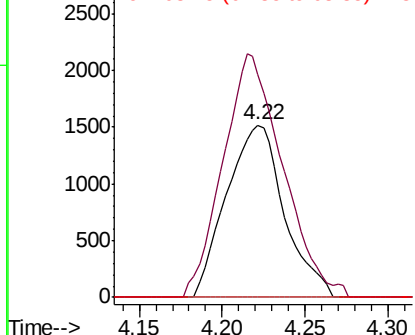
cis-1,2-Dichloroethene
 Concen: 0.474 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 96 Resp: 3678
 Ion Ratio Lower Upper
 96 100
 61 129.4 93.9 174.5
 68 0.0 0.0 0.0



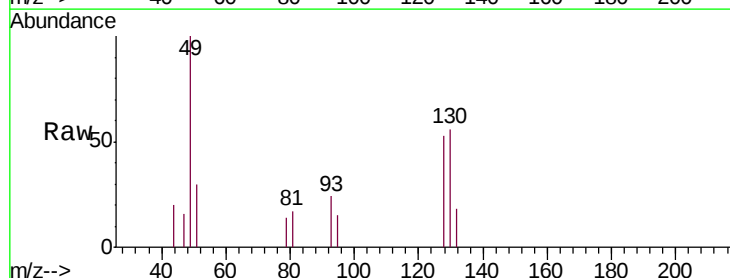
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



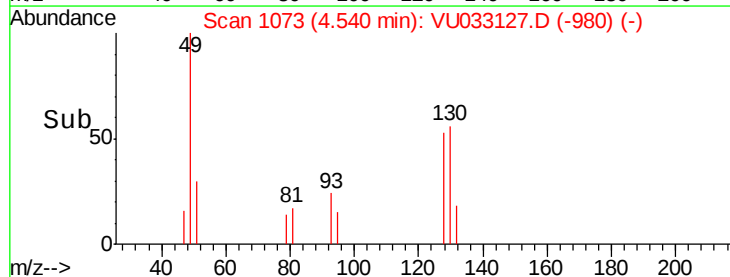
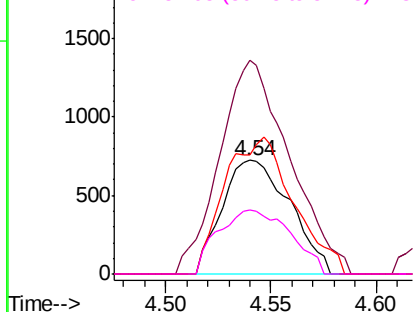
#23

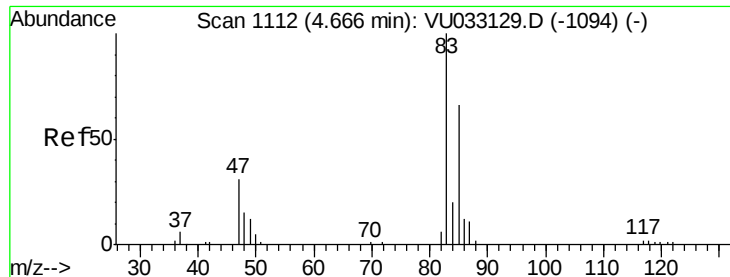
Bromochloromethane
 Concen: 0.473 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Tgt Ion: 128 Resp: 1619
 Ion Ratio Lower Upper
 128 100
 49 187.9 122.7 227.9
 130 105.0 88.1 163.5
 51 56.3 42.3 63.5



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

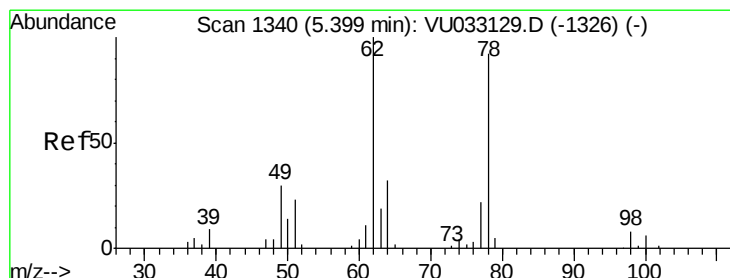
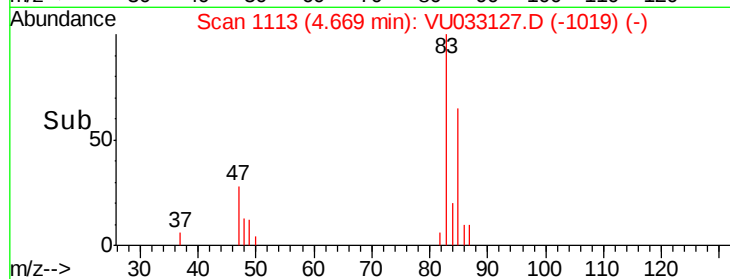
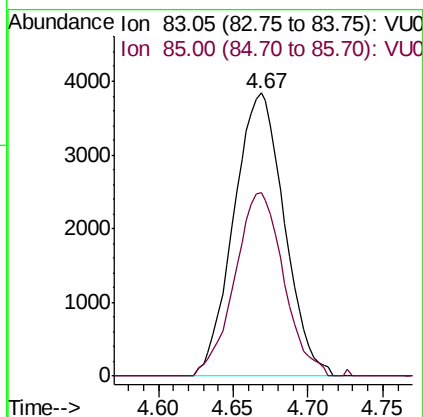
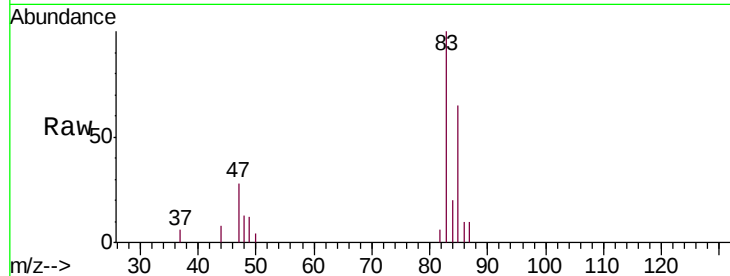




#25
Chloroform
Concen: 0.632 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

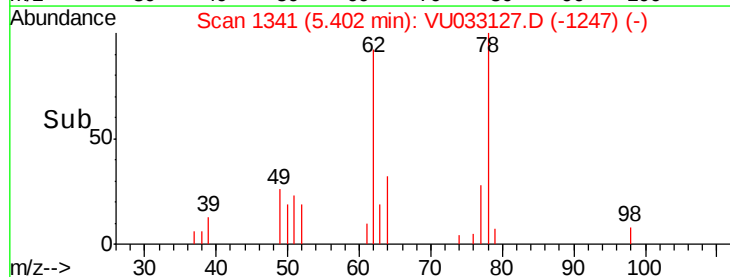
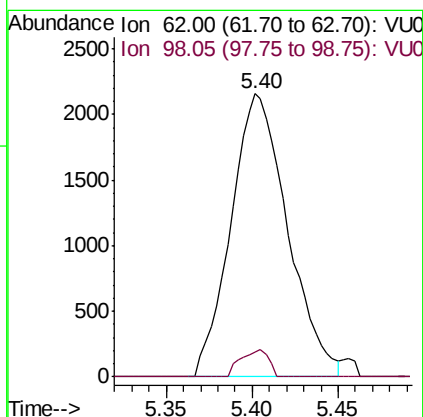
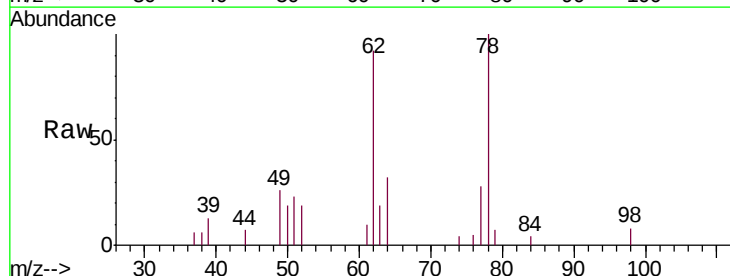
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

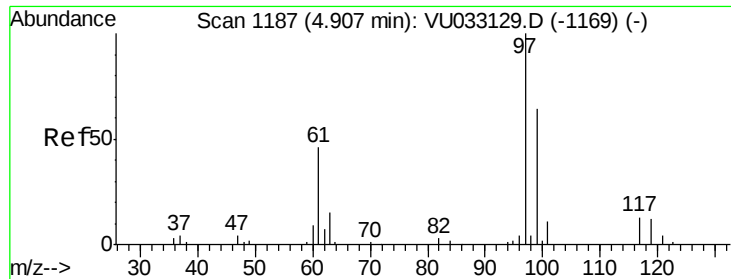
Tgt Ion: 83 Resp: 9024
Ion Ratio Lower Upper
83 100
85 64.8 46.6 86.6



#27
1,2-Dichloroethane
Concen: 0.507 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Tgt Ion: 62 Resp: 4951
Ion Ratio Lower Upper
62 100
98 8.7 5.9 8.9

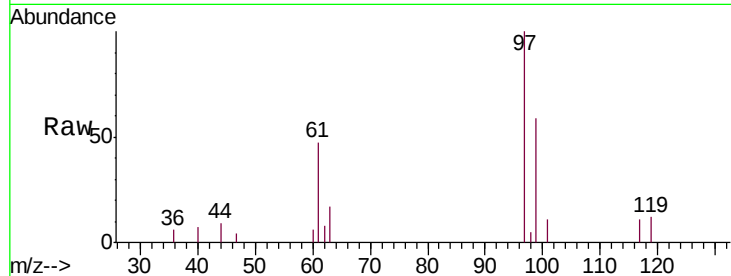




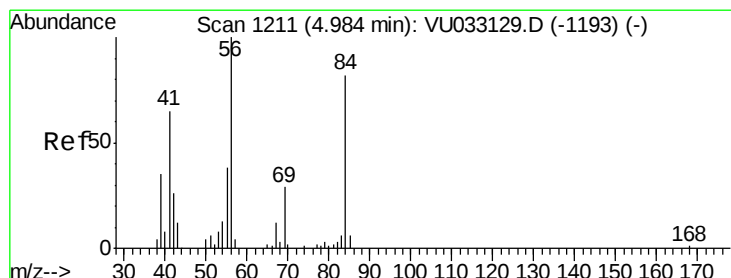
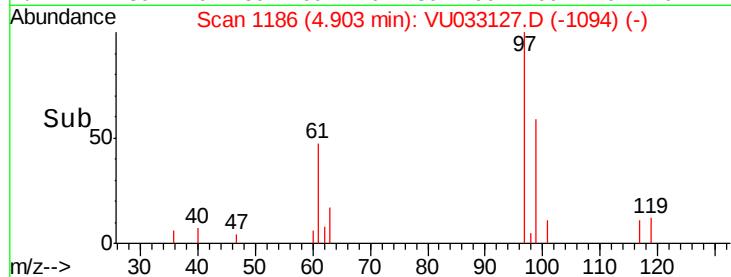
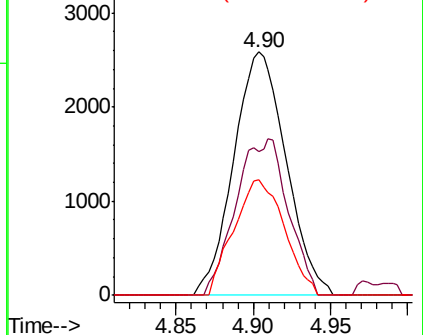
#29
 1,1,1-Trichloroethane
 Concen: 0.496 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 97 Resp: 6092
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.4 77.0
 61 45.8 37.8 56.8

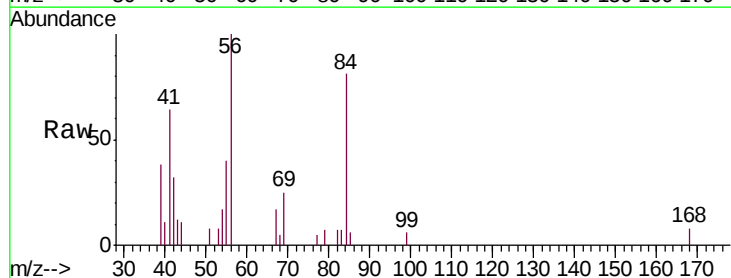


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

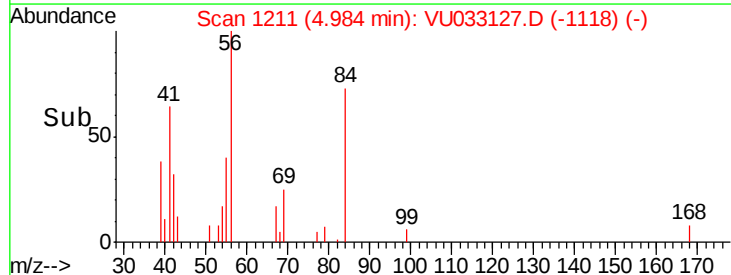
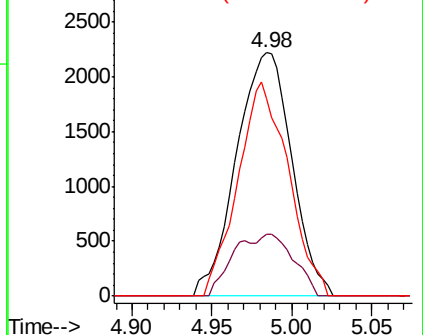


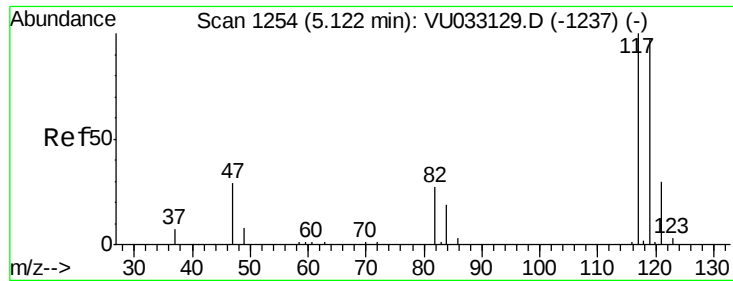
#30
 Cyclohexane
 Concen: 0.465 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Tgt Ion: 56 Resp: 5260
 Ion Ratio Lower Upper
 56 100
 69 15.6 23.4 35.0#
 84 80.0 66.8 100.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.489 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

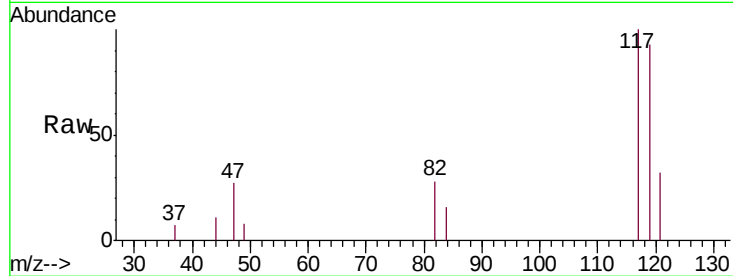
VSTD0.502

Tgt Ion: 117 Resp: 5423

Ion Ratio Lower Upper

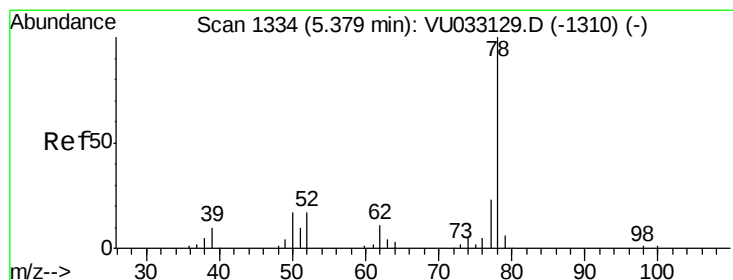
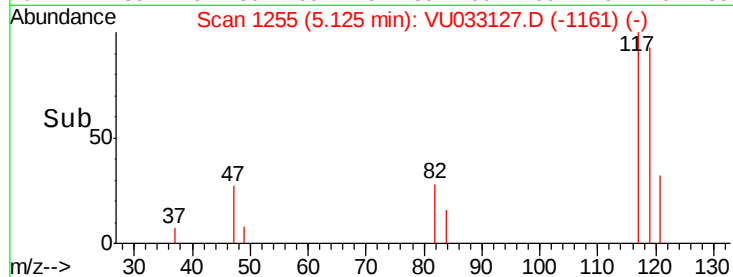
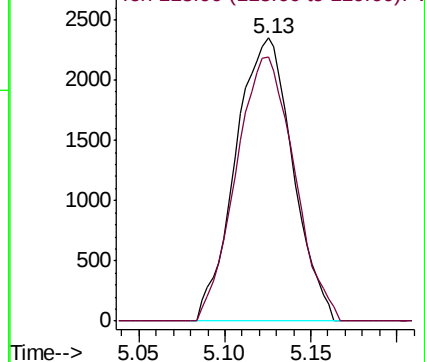
117 100

119 95.2 78.3 117.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.475 ug/L

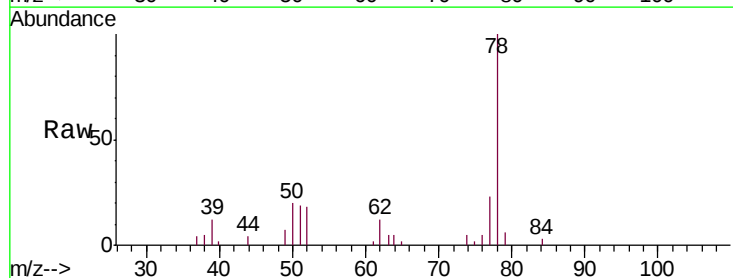
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

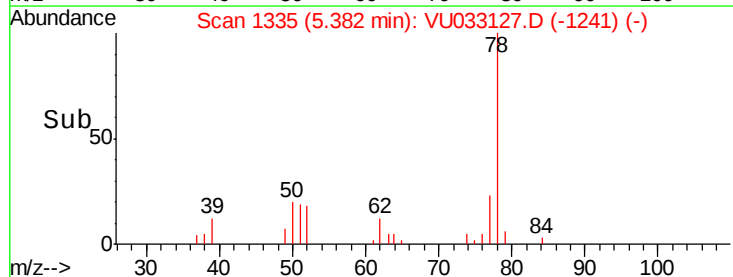
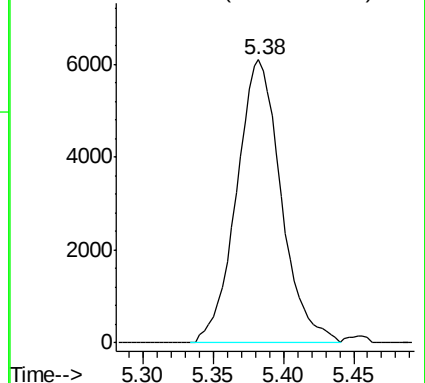
Lab File: VU033127.D

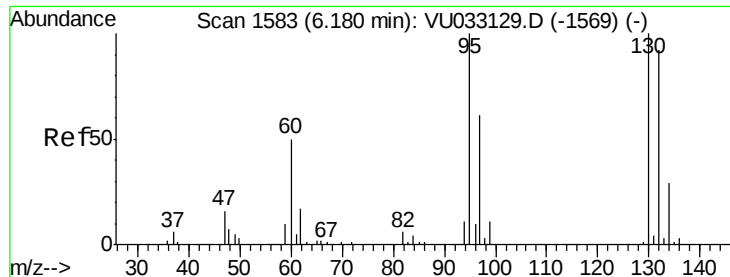
Acq: 02 Jul 2019 08:53

Tgt Ion: 78 Resp: 13482



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.480 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

Tgt Ion: 95 Resp: 3731

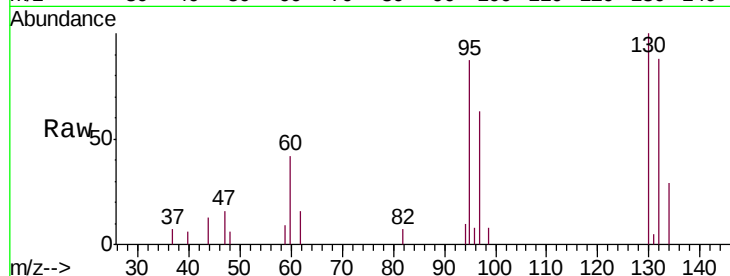
Ion Ratio Lower Upper

95 100

97 72.2 42.8 79.4

132 100.4 64.6 120.0

130 114.7 70.0 130.0

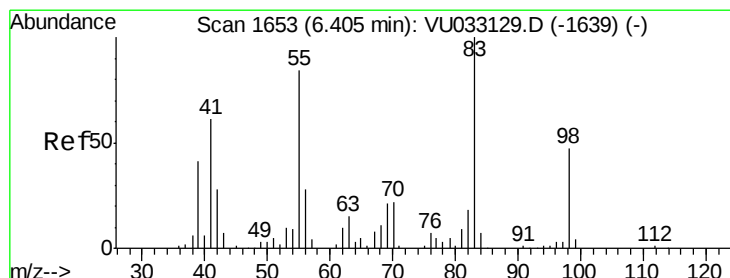
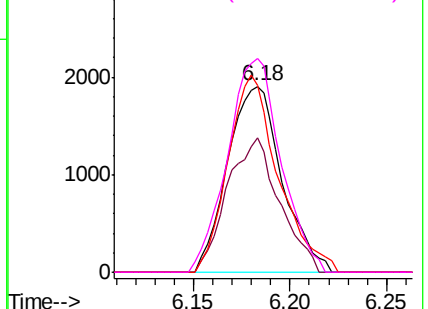
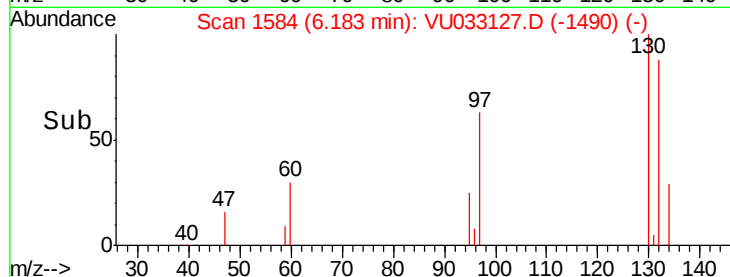


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.450 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

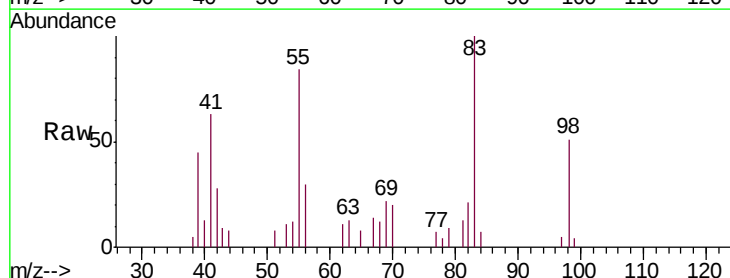
Tgt Ion: 83 Resp: 5246

Ion Ratio Lower Upper

83 100

55 87.4 66.5 99.7

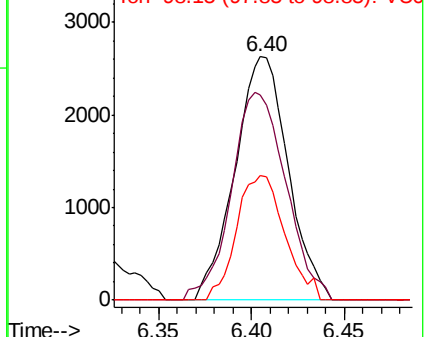
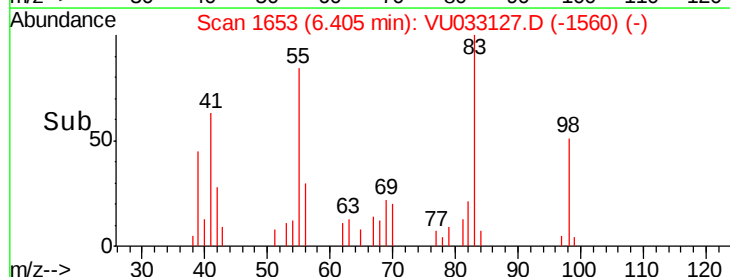
98 46.2 37.1 55.7

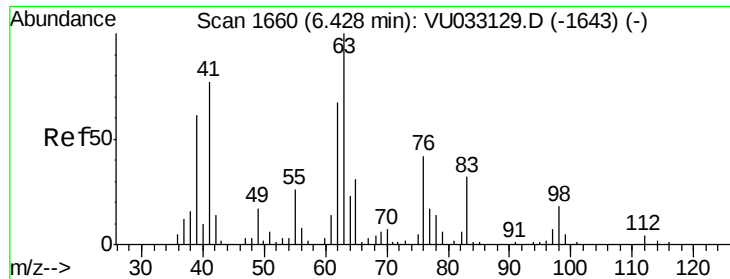


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

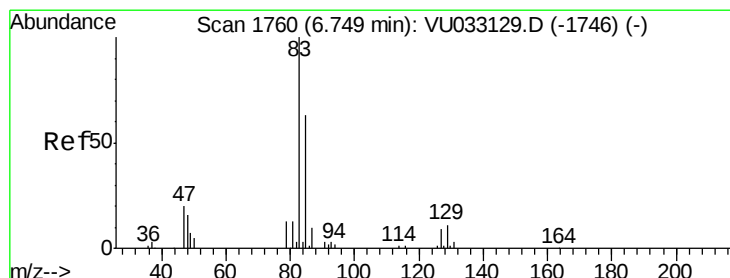
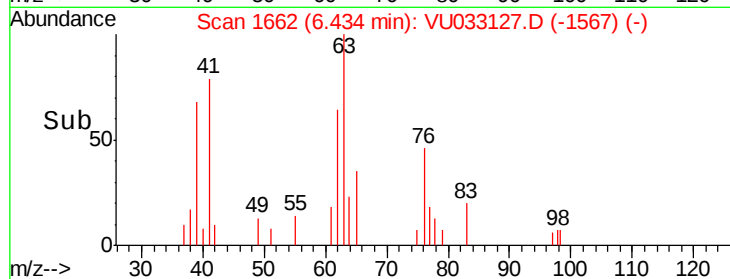
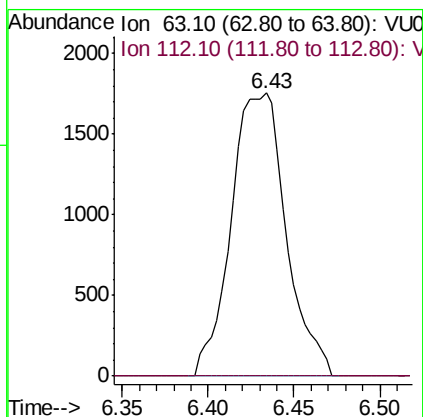
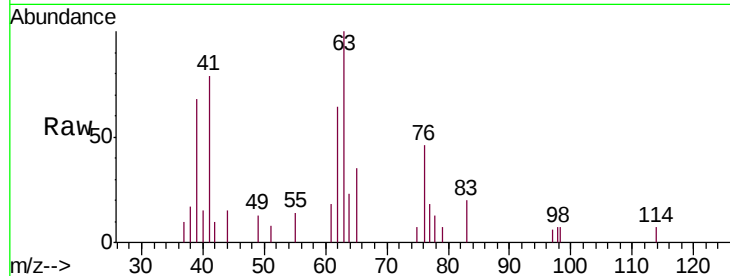




#37
 1,2-Dichloropropane
 Concen: 0.511 ug/L
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

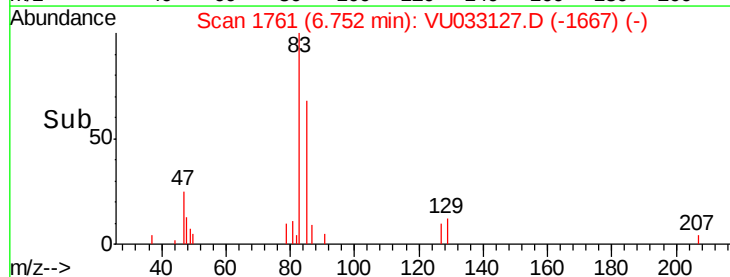
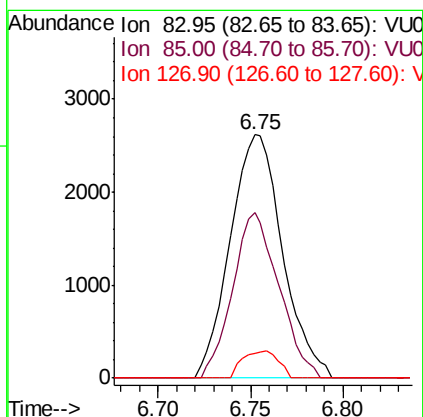
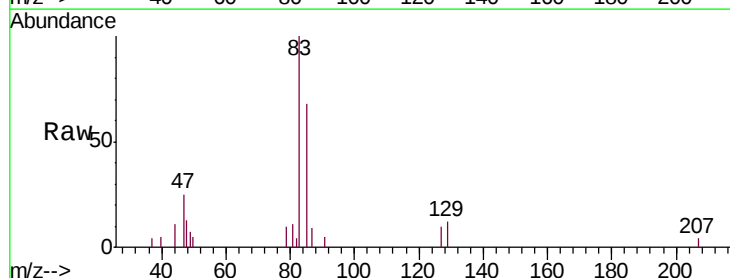
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

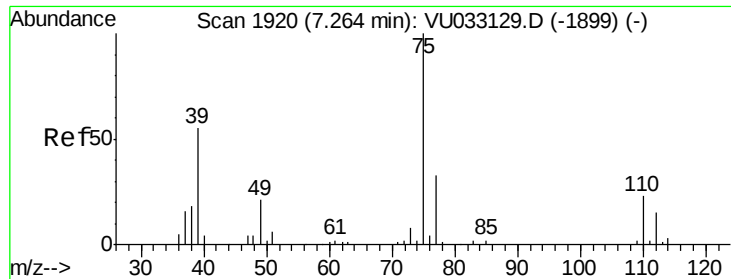
Tgt Ion: 63 Resp: 3902
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 0.511 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Tgt Ion: 83 Resp: 5133
 Ion Ratio Lower Upper
 83 100
 85 68.2 43.8 81.4
 127 10.0 7.5 11.3

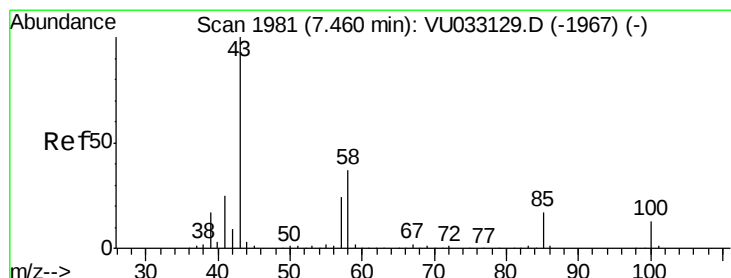
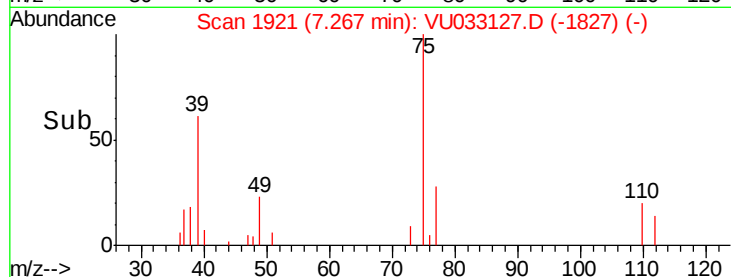
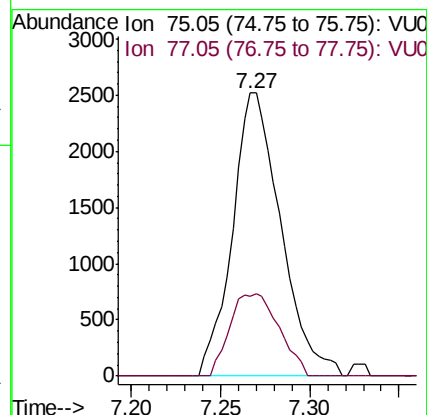
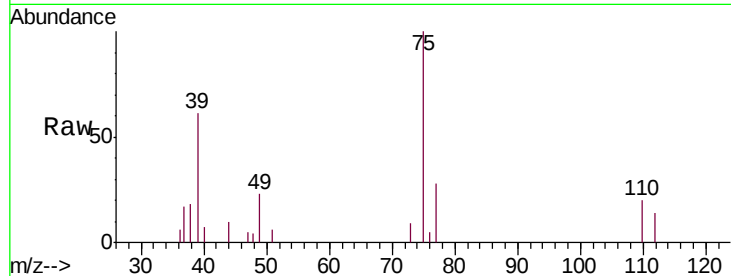




#39
 cis-1,3-Dichloropropene
 Concen: 0.426 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

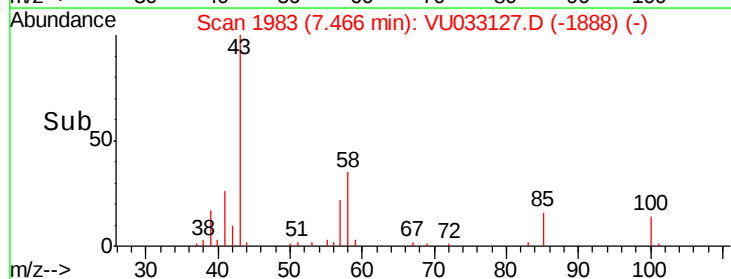
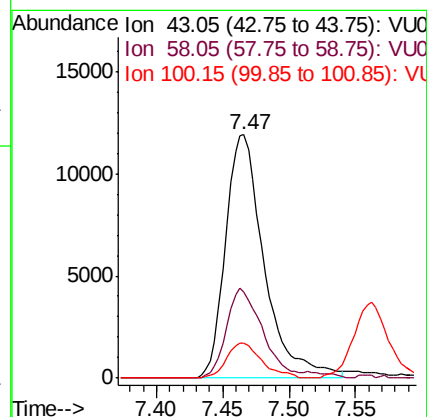
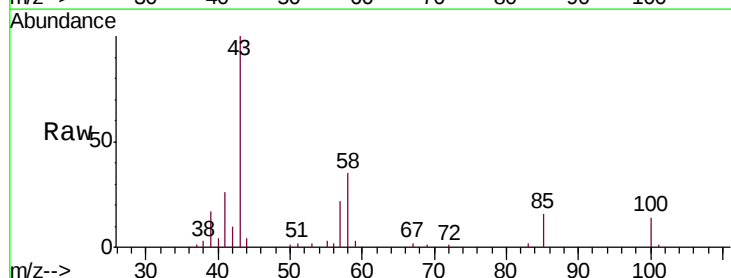
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

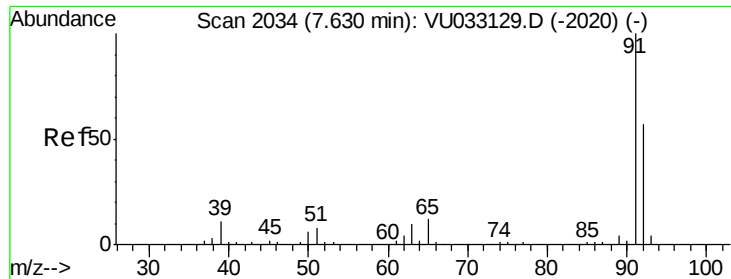
Tgt Ion: 75 Resp: 4759
 Ion Ratio Lower Upper
 75 100
 77 28.3 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 4.576 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Tgt Ion: 43 Resp: 24167
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.5 42.7
 100 13.1 10.4 15.6





#42

Toluene

Concen: 0.468 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

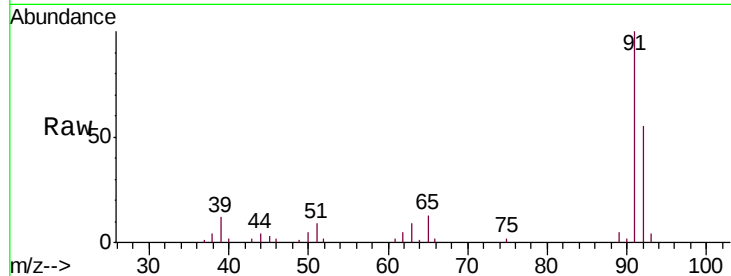
VSTD0.502

Tgt Ion: 91 Resp: 14213

Ion Ratio Lower Upper

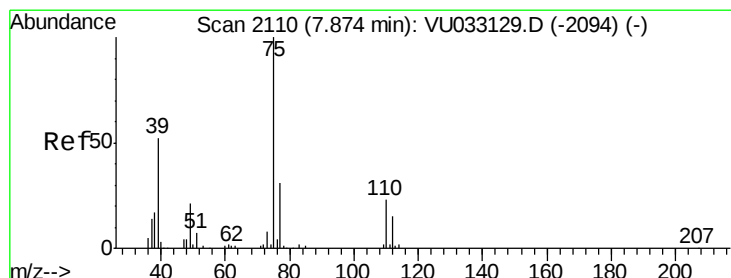
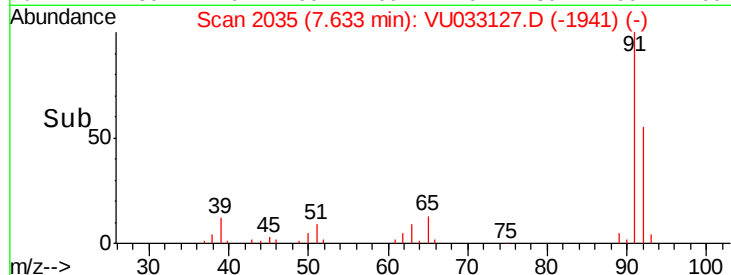
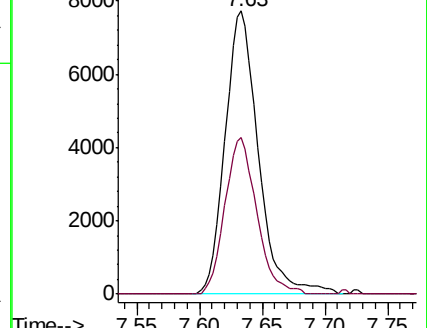
91 100

92 55.1 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033127.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU033127.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.453 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.01 min

Lab File: VU033127.D

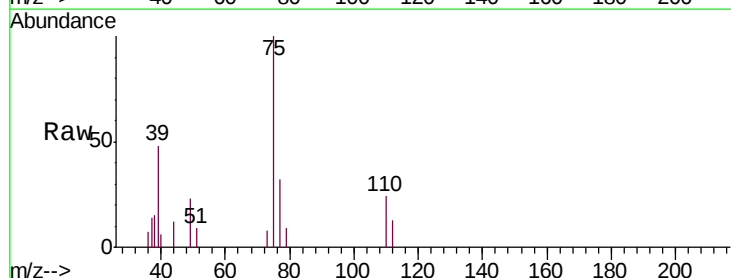
Acq: 02 Jul 2019 08:53

Tgt Ion: 75 Resp: 4088

Ion Ratio Lower Upper

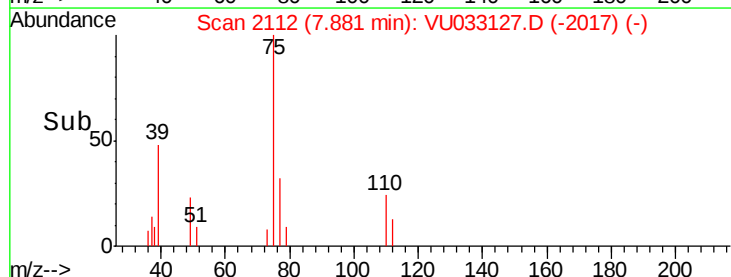
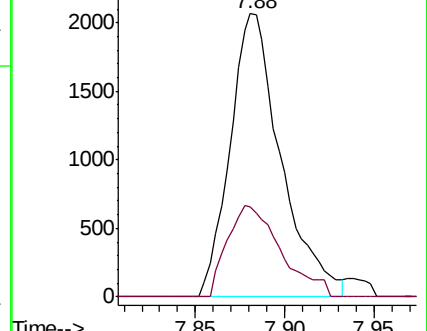
75 100

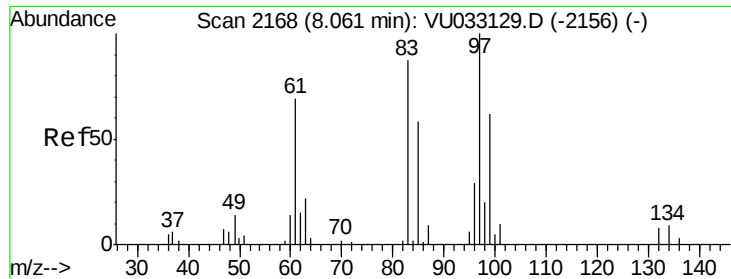
77 32.0 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033127.D (-2017) (-)

Ion 77.05 (76.75 to 77.75): VU033127.D (-2017) (-)

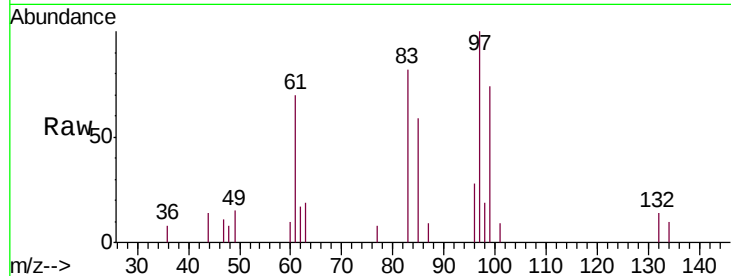




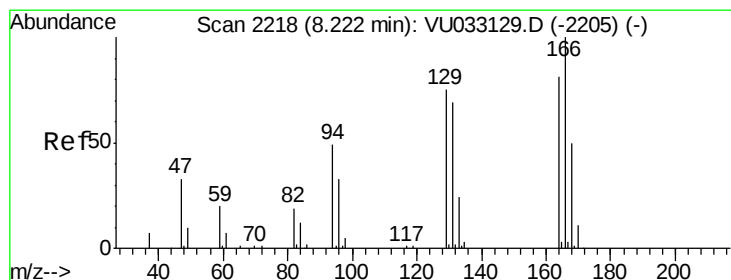
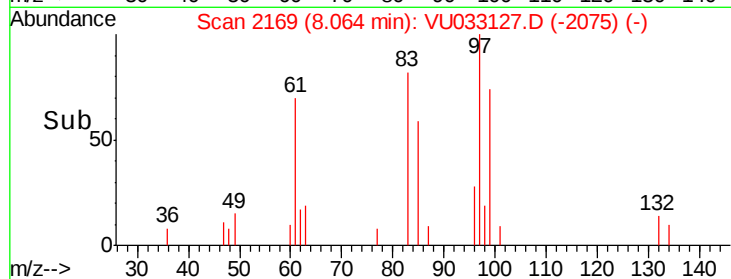
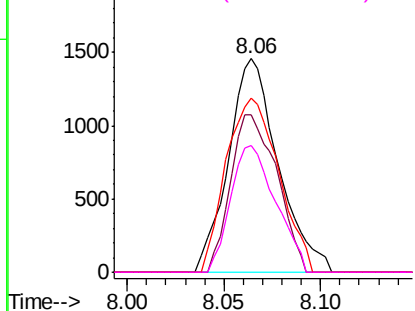
#45
 1,1,2-Trichloroethane
 Concen: 0.485 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:	97	Resp:	2612
Ion	Ratio	Lower	Upper
97	100		
99	74.0	43.5	80.7
83	81.8	60.8	112.8
85	59.4	40.7	75.7

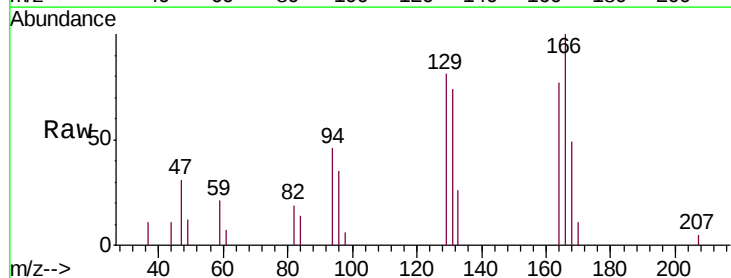


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

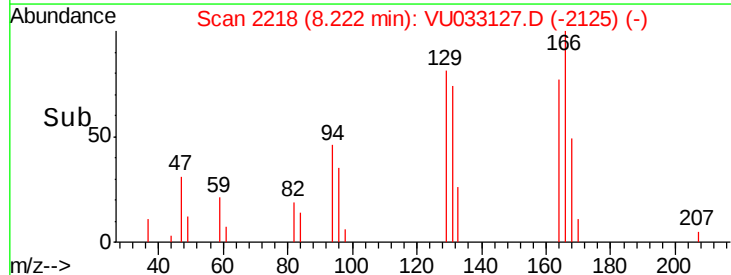
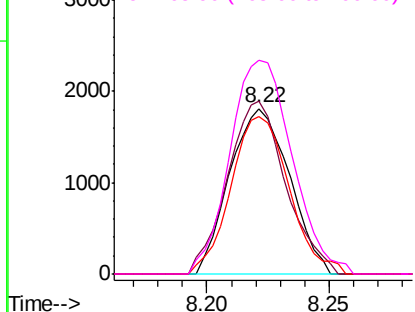


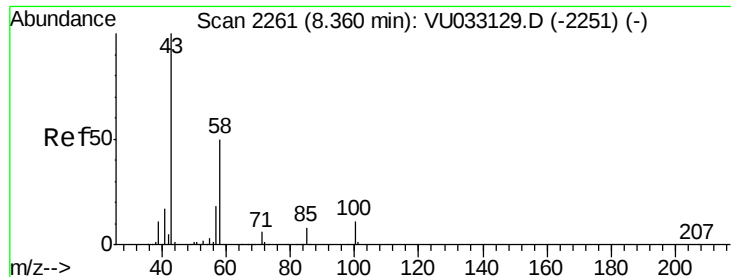
#47
 Tetrachloroethene
 Concen: 0.492 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Tgt Ion:	164	Resp:	3081
Ion	Ratio	Lower	Upper
164	100		
129	104.9	65.3	121.3
131	95.0	60.3	112.1
166	129.2	86.9	161.3



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

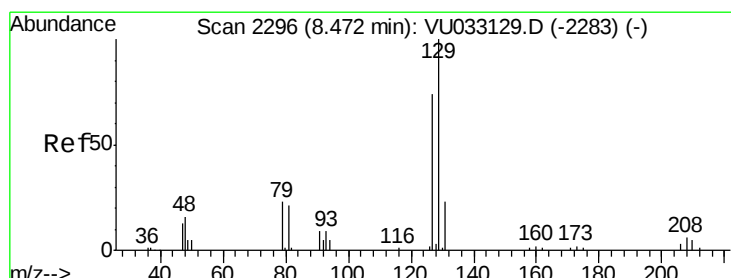
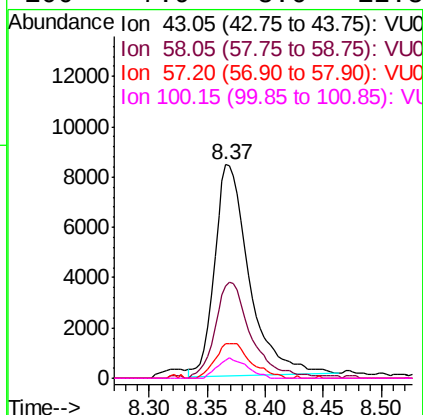
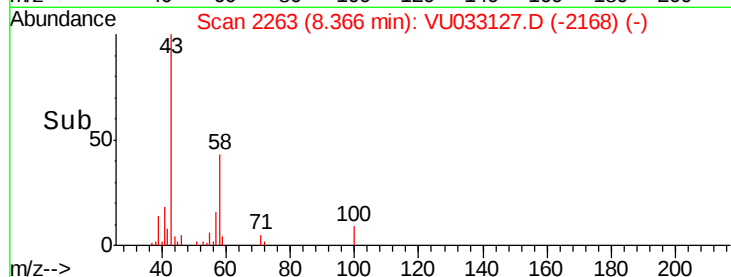
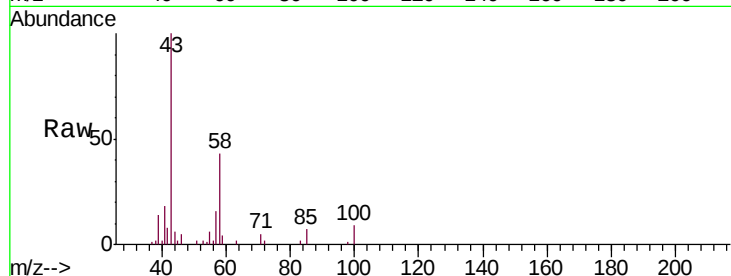




#48
2-Hexanone
Concen: 4.668 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

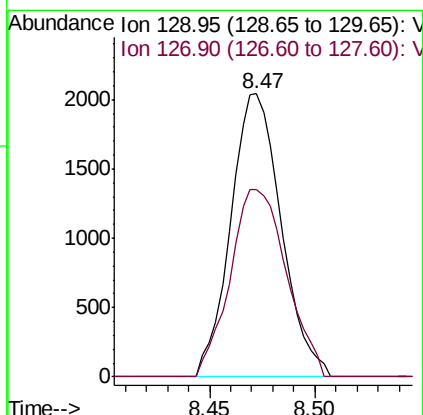
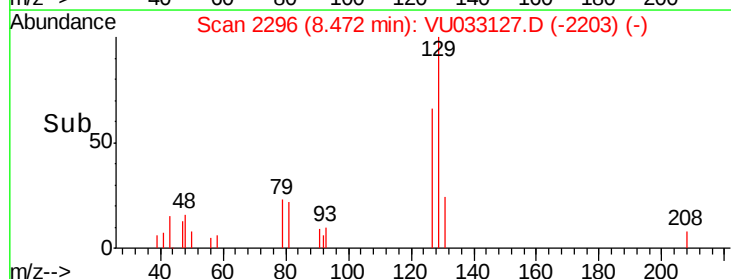
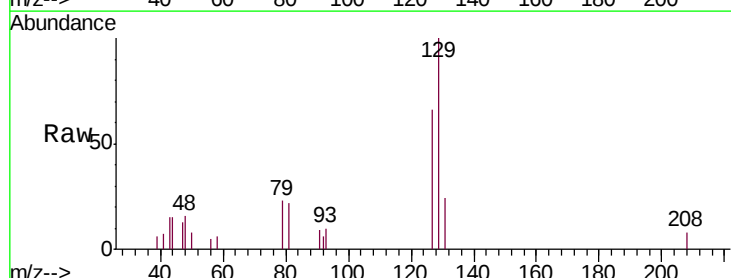
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

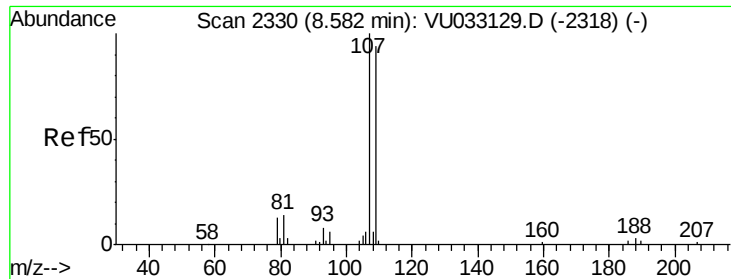
Tgt Ion:	43	Resp:	17598
Ion	Ratio	Lower	Upper
43	100		
58	46.5	39.0	58.6
57	16.9	13.9	20.9
100	7.9	8.6	12.8#



#49
Dibromochloromethane
Concen: 0.503 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Tgt Ion:	129	Resp:	3395
Ion	Ratio	Lower	Upper
129	100		
127	66.0	51.6	95.8

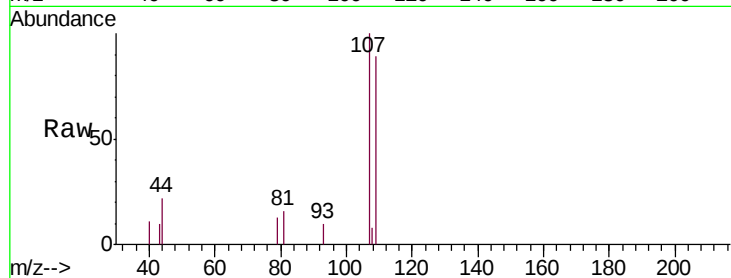




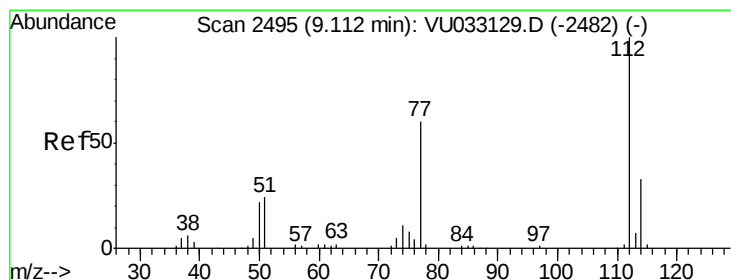
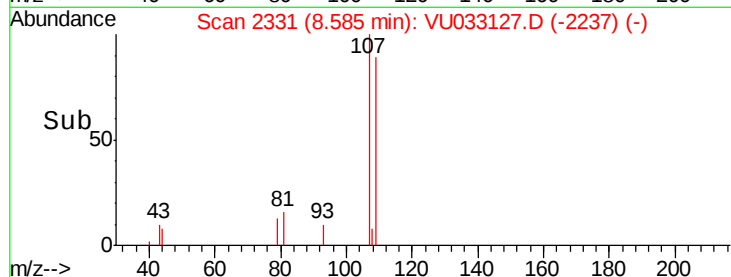
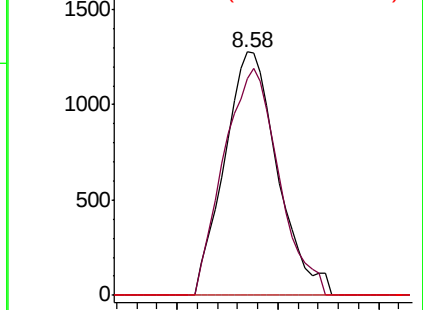
#50
1,2-Dibromoethane
Concen: 0.450 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:107 Resp: 2353
Ion Ratio Lower Upper
107 100
109 89.2 65.5 121.7
188 0.0 2.5 3.7#

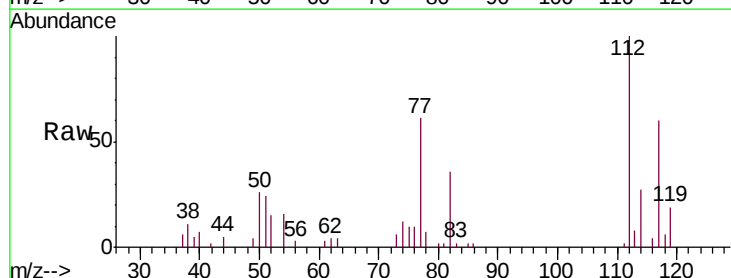


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

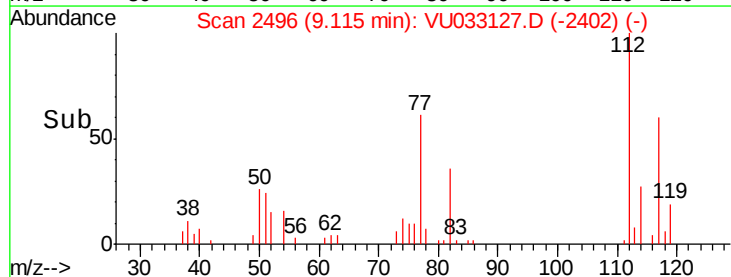
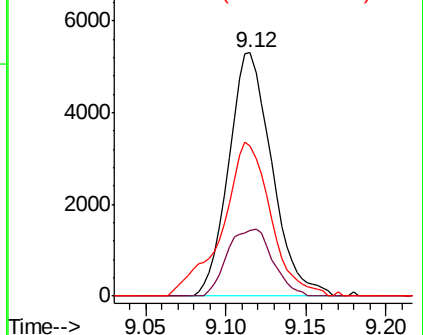


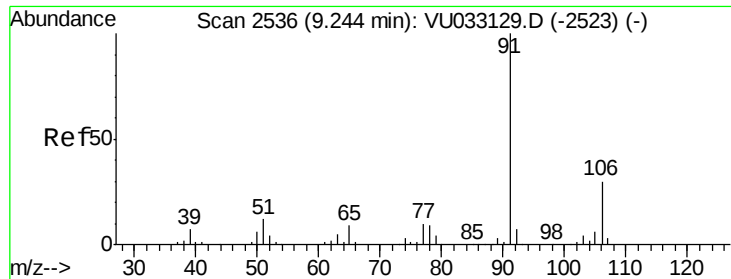
#51
Chlorobenzene
Concen: 0.488 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Tgt Ion:112 Resp: 9800
Ion Ratio Lower Upper
112 100
114 27.1 23.0 42.6
77 61.5 48.3 72.5



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): V

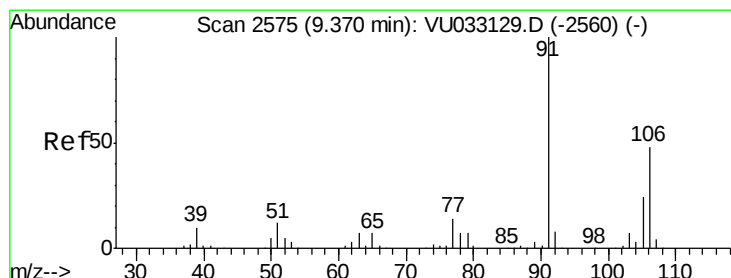
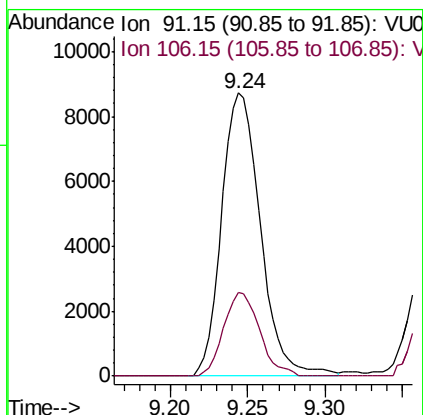
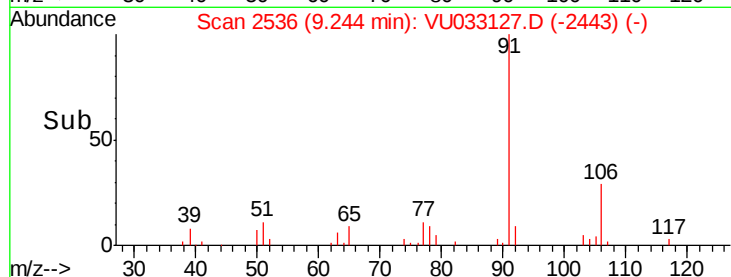
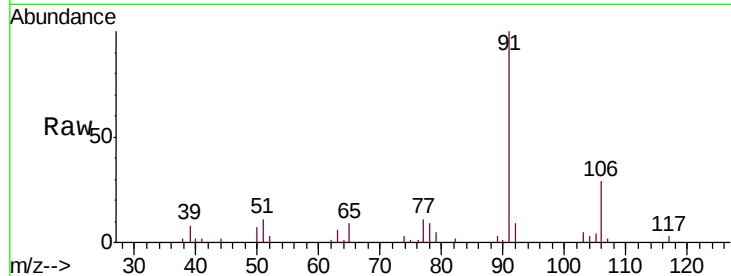




#52
Ethylbenzene
Concen: 0.455 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

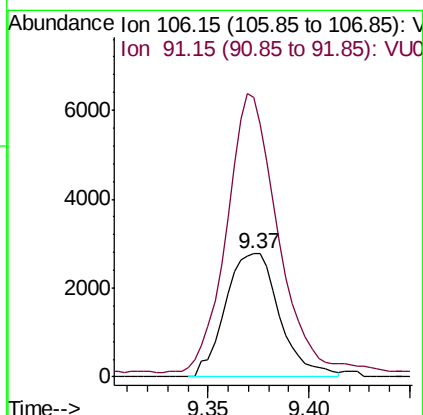
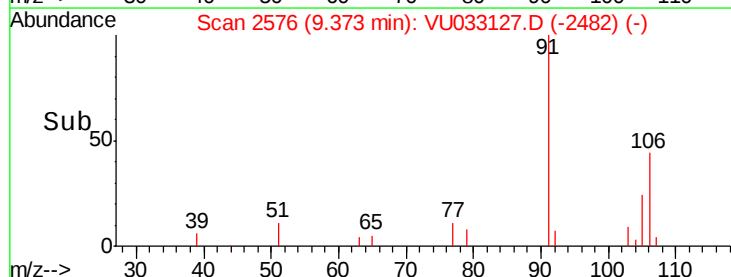
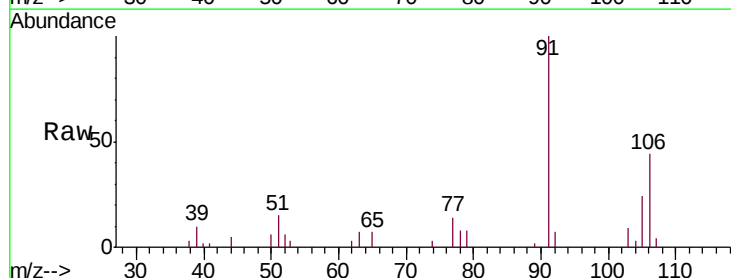
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

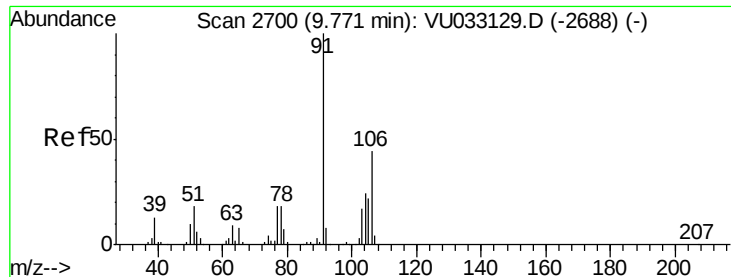
Tgt Ion: 91 Resp: 15186
Ion Ratio Lower Upper
91 100
106 29.4 21.2 39.4



#53
m,p-Xylene
Concen: 0.430 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Tgt Ion: 106 Resp: 5214
Ion Ratio Lower Upper
106 100
91 226.5 145.6 270.4

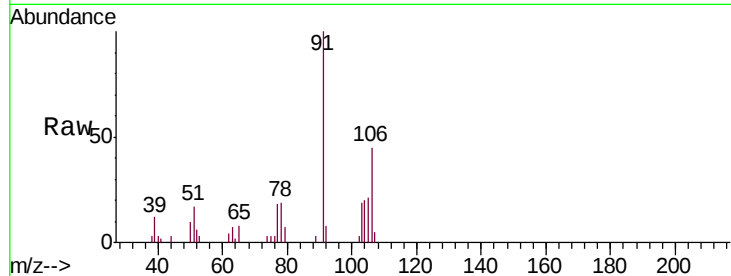




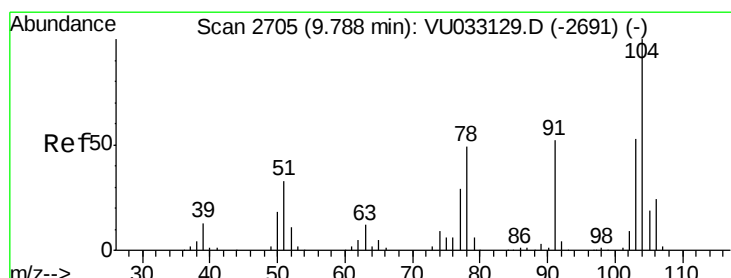
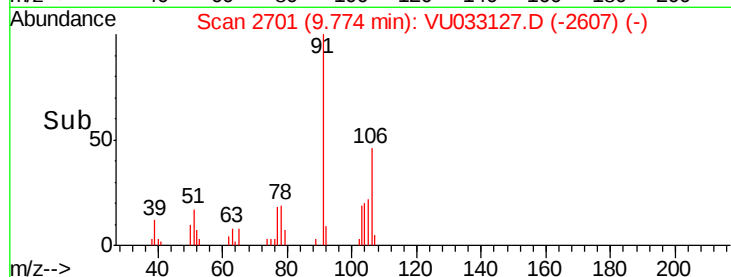
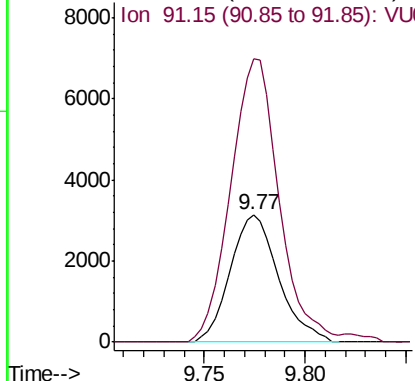
#54
o-Xylene
Concen: 0.446 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:106 Resp: 5258
Ion Ratio Lower Upper
106 100
91 222.0 159.2 295.6

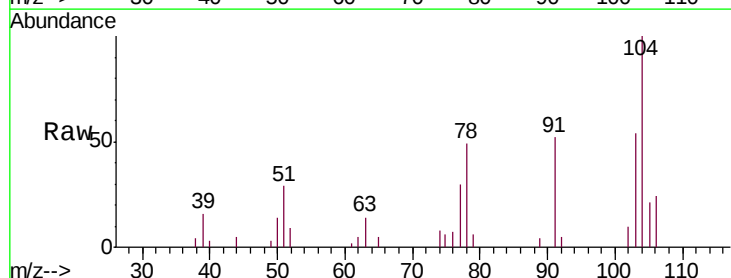


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

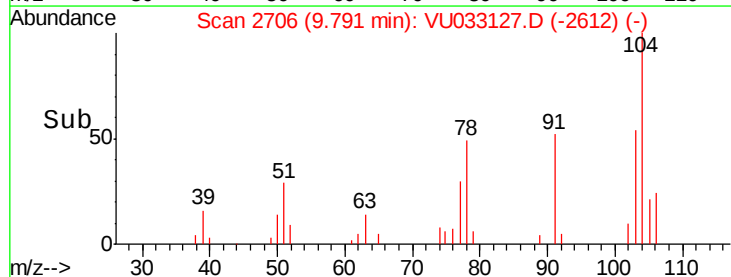
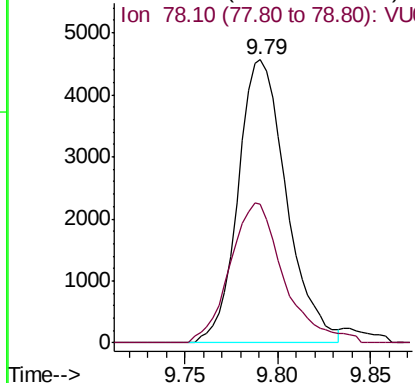


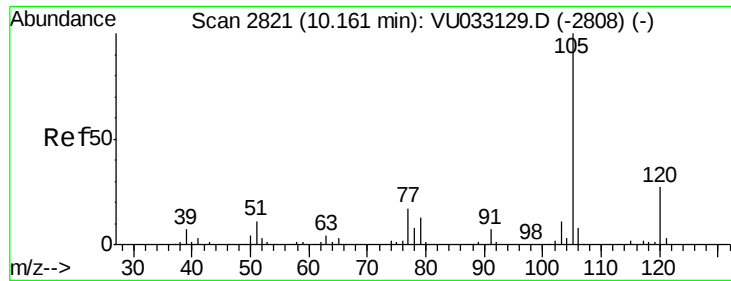
#55
Styrene
Concen: 0.417 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU033127.D
Acq: 02 Jul 2019 08:53

Tgt Ion:104 Resp: 8316
Ion Ratio Lower Upper
104 100
78 48.8 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.421 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

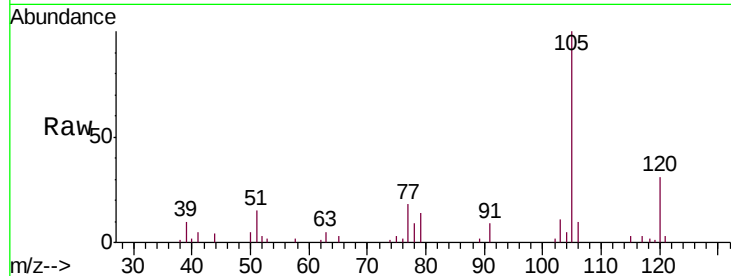
Tgt Ion: 105 Resp: 13548

Ion Ratio Lower Upper

105 100

120 28.4 20.7 31.1

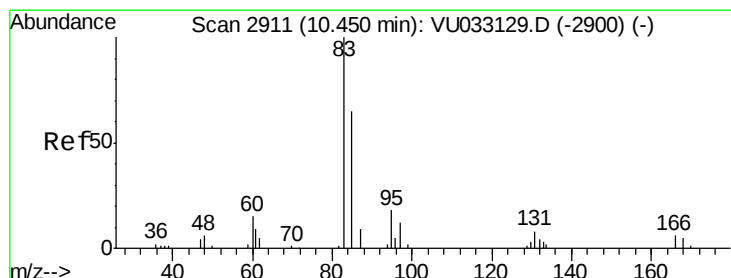
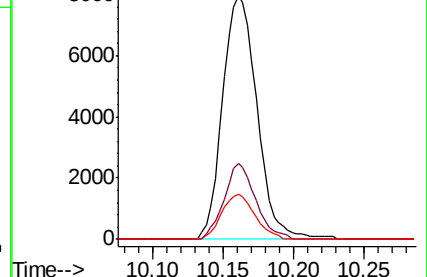
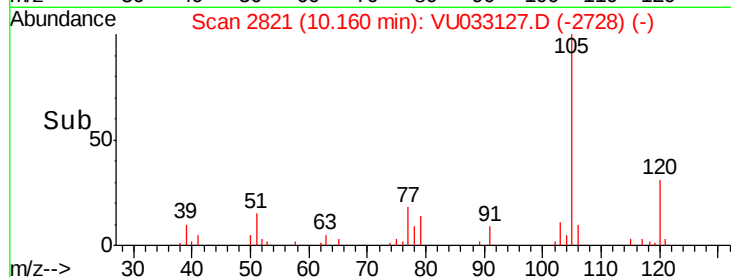
77 17.7 13.5 20.3



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: 0.482 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

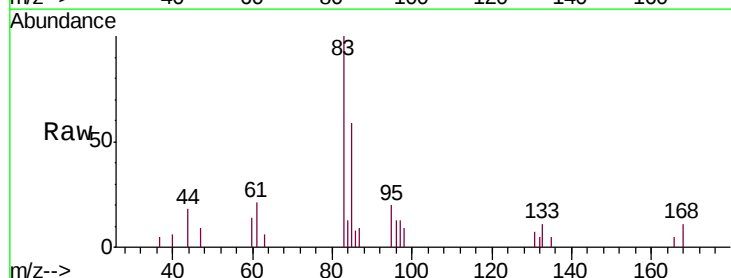
Tgt Ion: 83 Resp: 3323

Ion Ratio Lower Upper

83 100

85 58.5 46.2 85.8

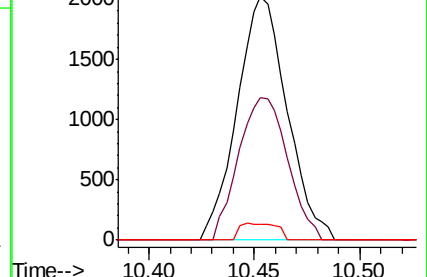
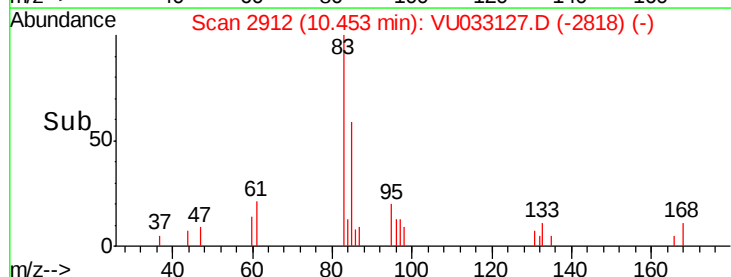
131 6.6 7.3 10.9#

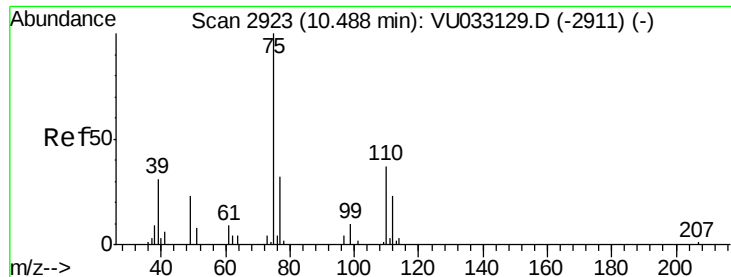


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.513 ug/L

RT: 10.49 min Scan# 2925

Delta R.T. 0.01 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

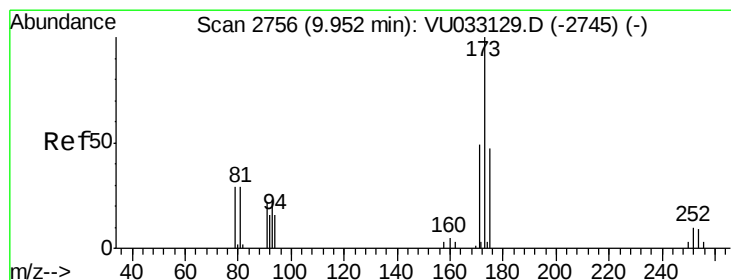
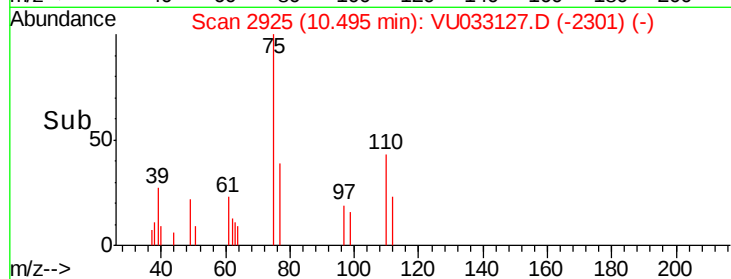
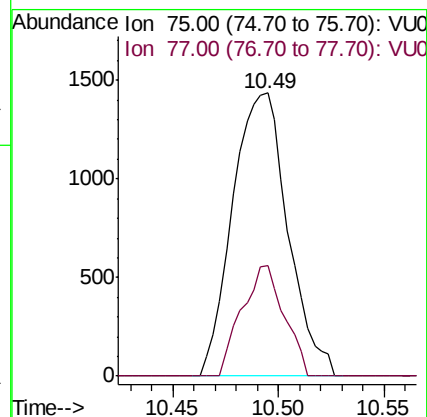
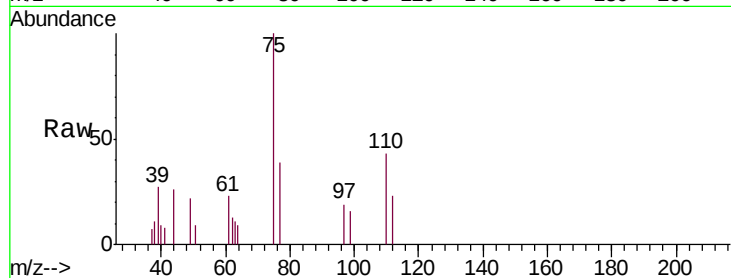
VSTD0.502

Tgt Ion: 75 Resp: 2615

Ion Ratio Lower Upper

75 100

77 29.9 25.8 38.8



#61

Bromoform

Concen: 0.469 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

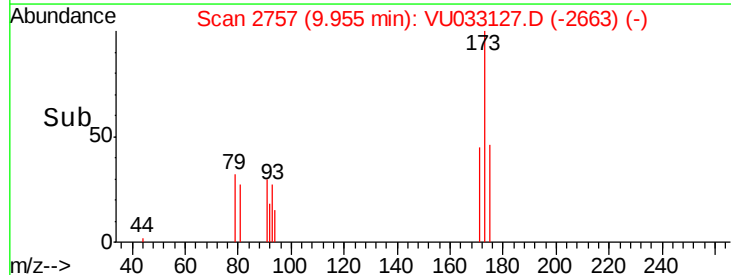
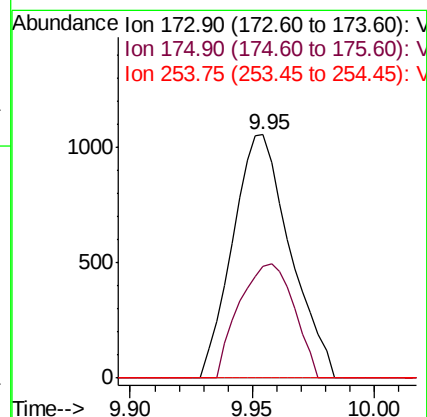
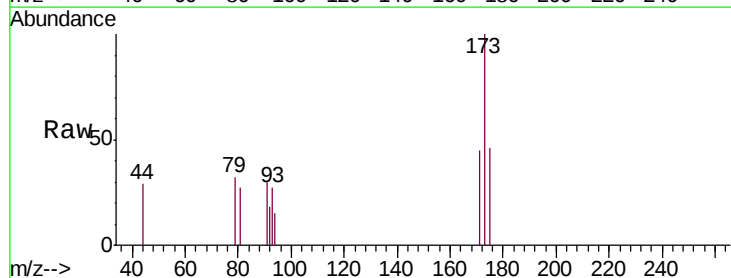
Tgt Ion: 173 Resp: 1725

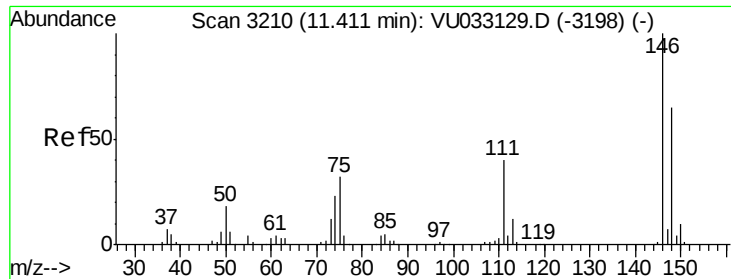
Ion Ratio Lower Upper

173 100

175 44.9 38.2 57.2

254 0.0 6.9 10.3#





#62

1,3-Dichlorobenzene

Concen: 0.491 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

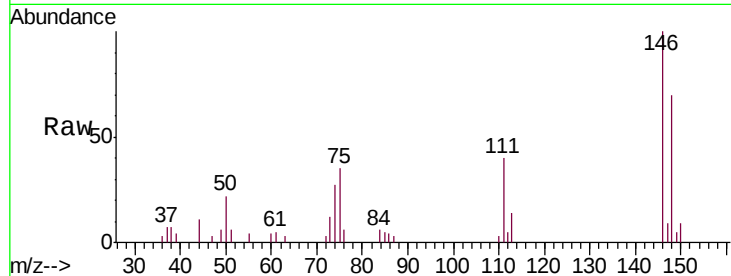
Tgt Ion:146 Resp: 7464

Ion Ratio Lower Upper

146 100

111 40.0 28.2 52.4

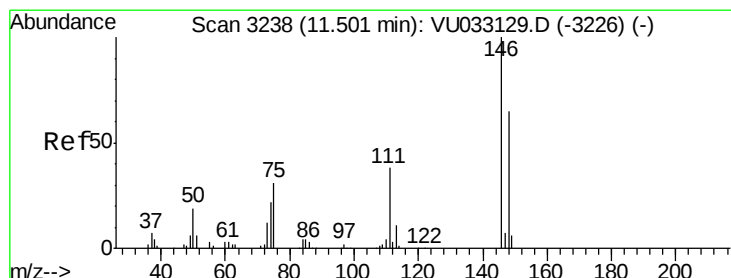
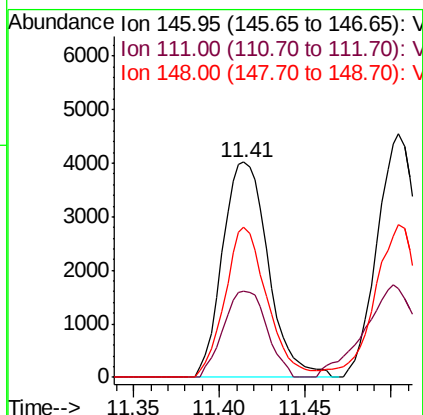
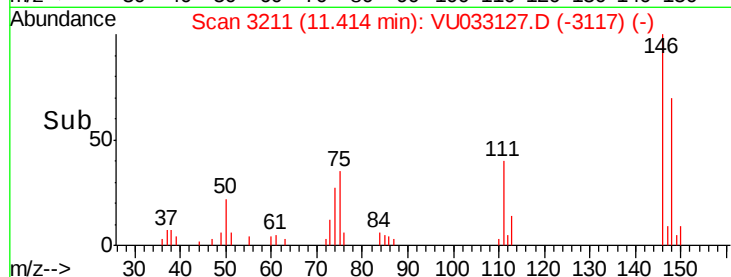
148 69.7 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 0.501 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

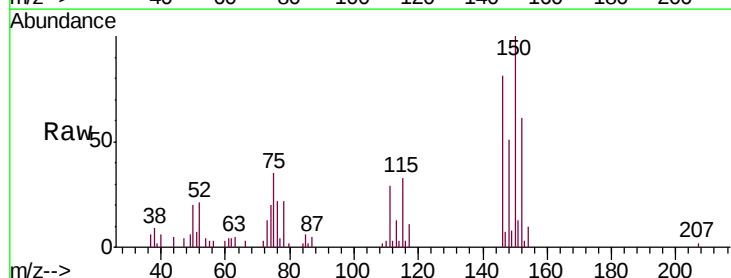
Tgt Ion:146 Resp: 7950

Ion Ratio Lower Upper

146 100

111 36.2 27.0 50.2

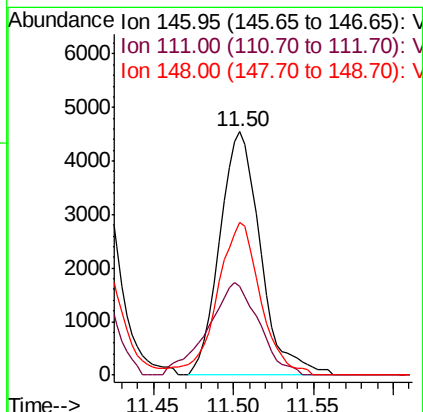
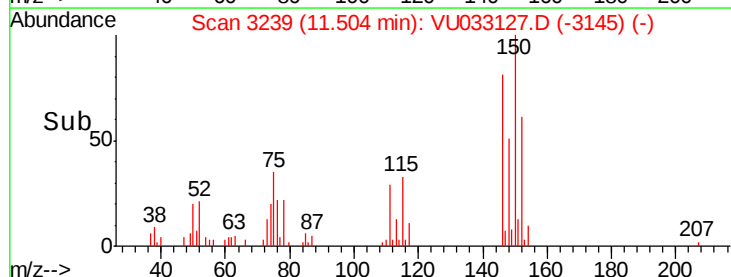
148 62.9 45.1 83.7

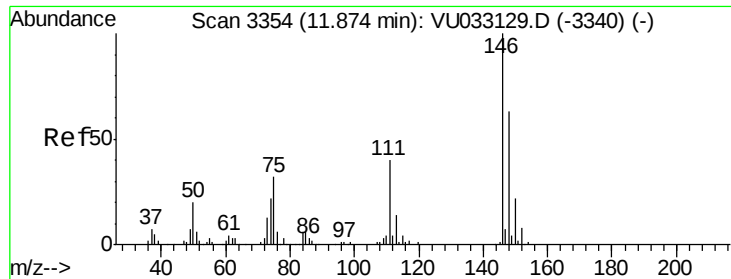


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

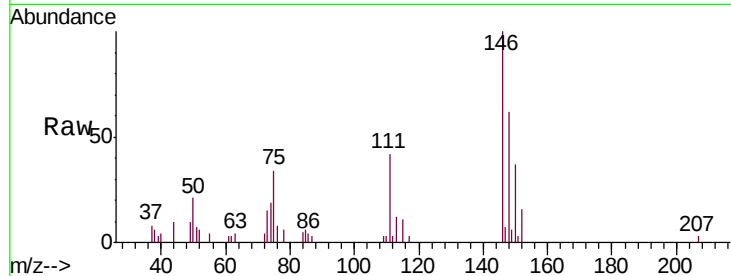




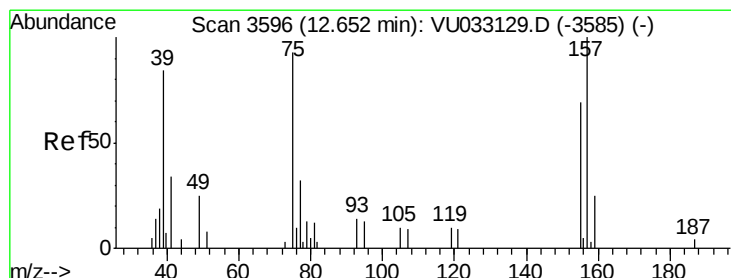
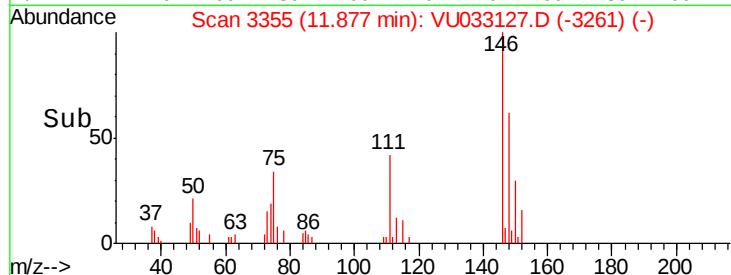
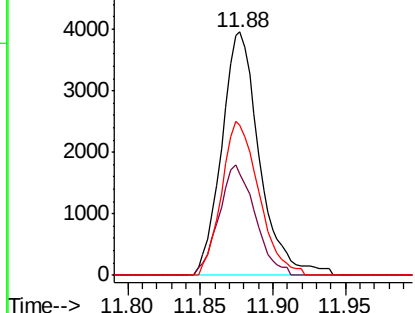
#65
 1,2-Dichlorobenzene
 Concen: 0.484 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 146 Resp: 7148
 Ion Ratio Lower Upper
 146 100
 111 41.9 31.8 47.8
 148 61.7 50.7 76.1

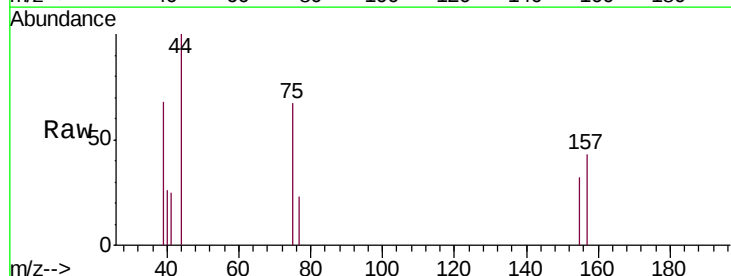


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

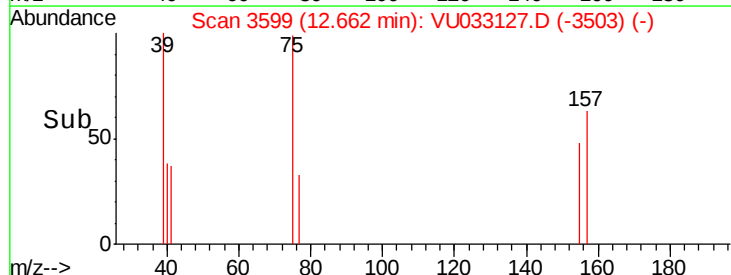
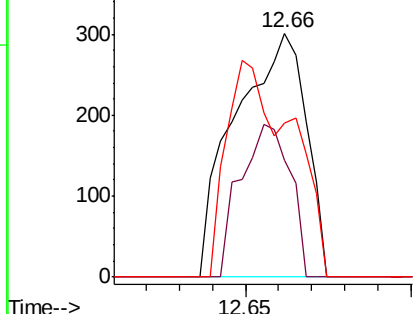


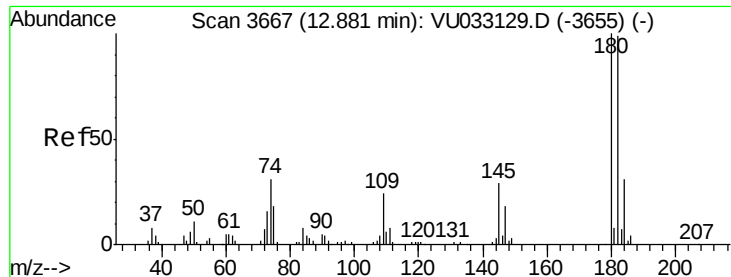
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.451 ug/L
 RT: 12.66 min Scan# 3599
 Delta R.T. 0.01 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Tgt Ion: 75 Resp: 449
 Ion Ratio Lower Upper
 75 100
 155 48.2 59.5 89.3#
 157 63.5 86.2 129.4#



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

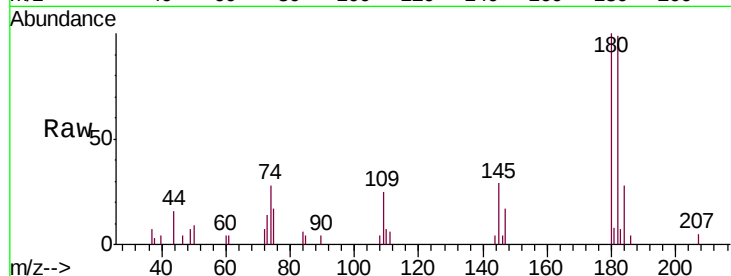




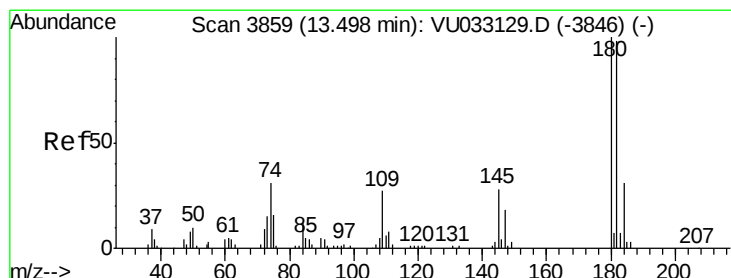
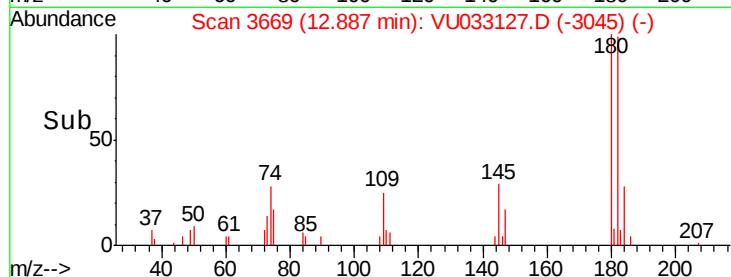
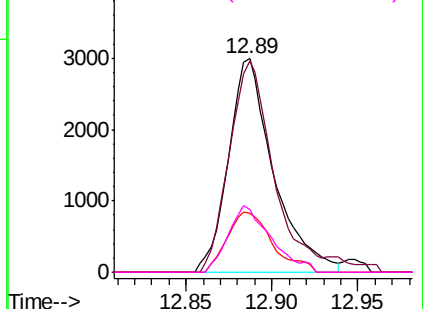
#67
 1,3,5-Trichlorobenzene
 Concen: 0.456 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.01 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:	180	Resp:	5476
Ion	Ratio	Lower	Upper
180	100		
182	99.8	78.3	117.5
184	28.2	24.2	36.2
145	29.6	23.4	35.2

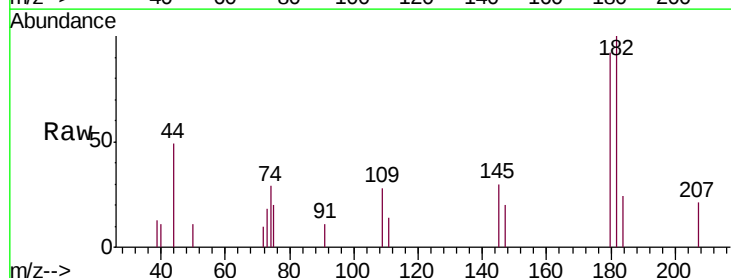


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

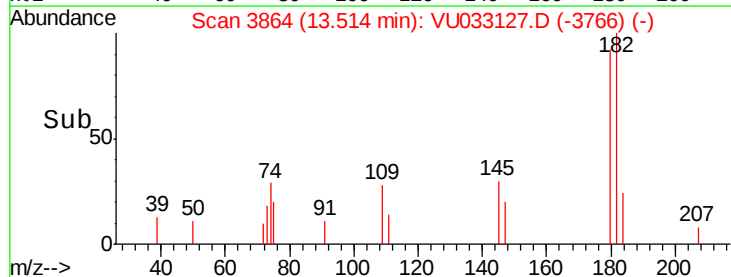
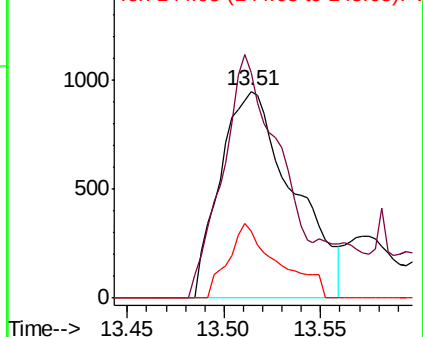


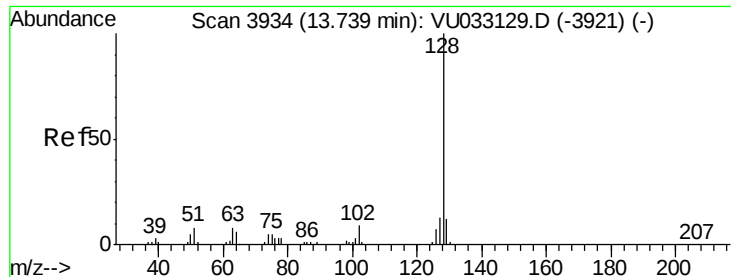
#68
 1,2,4-trichlorobenzene
 Concen: 0.291 ug/L
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.02 min
 Lab File: VU033127.D
 Acq: 02 Jul 2019 08:53

Tgt Ion:	180	Resp:	2483
Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.7	113.5
145	24.7	23.1	34.7



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: 0.169 ug/L

RT: 13.76 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

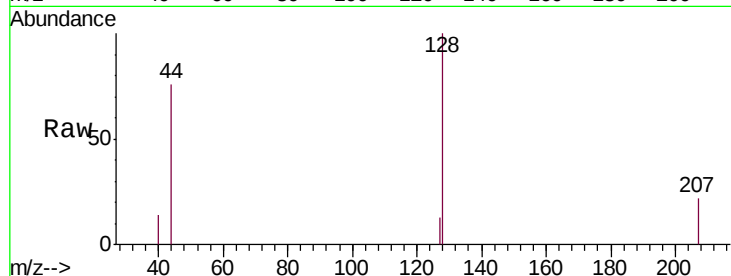
Tgt Ion:128 Resp: 2116

Ion Ratio Lower Upper

128 100

129 0.0 8.4 12.6#

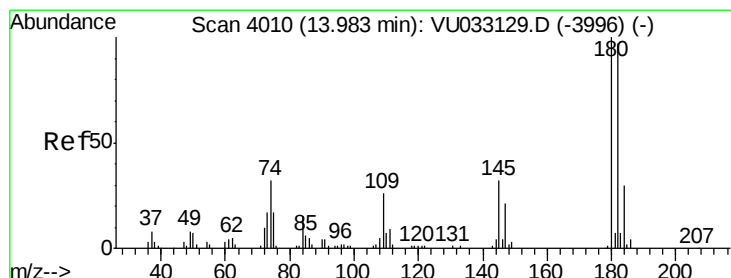
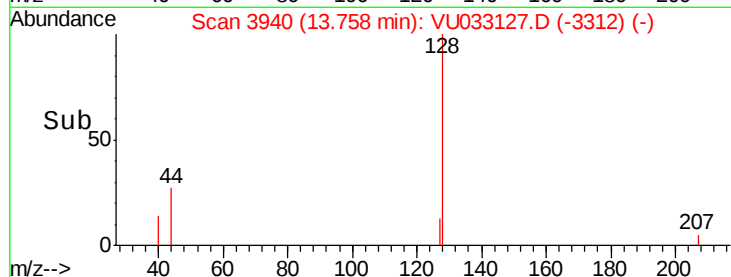
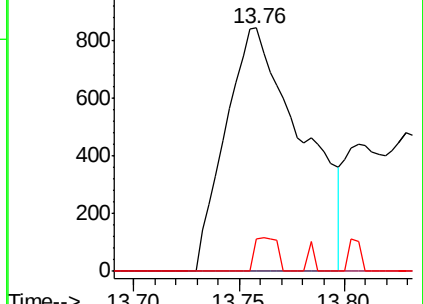
127 4.1 10.2 15.4#



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: 0.307 ug/L

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU033127.D

Acq: 02 Jul 2019 08:53

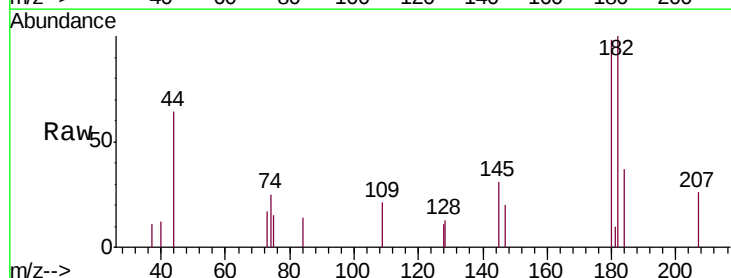
Tgt Ion:180 Resp: 2553

Ion Ratio Lower Upper

180 100

182 81.1 79.9 119.9

145 19.3 25.4 38.2#



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

