

Data File : VU028810.D
Acq On : 20 Dec 2018 09:21
Operator : MD/SY
Sample : VSTD00555
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Quant Time: Dec 21 03:31:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:28:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	170469	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	159524	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68342	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	5570	4.08	ug/L	0.00
7) Chloroethane-d5	1.67	69	4534	4.30	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	9698	4.22	ug/L	0.00
21) 2-Butanone-d5	4.19	46	6790	7.09	ug/L	0.02
24) Chloroform-d	4.65	84	8715	4.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	5586	4.22	ug/L	0.00
32) Benzene-d6	5.34	84	18468	4.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	6276	4.10	ug/L	0.00
41) Toluene-d8	7.57	98	16135	3.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2661	3.88	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	4863	6.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	8257	3.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	6140	4.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	6435	4.629 ug/L	100
3) Chloromethane	1.33	50	9231	4.884 ug/L	99
5) Vinyl chloride	1.40	62	7519	4.503 ug/L	96
6) Bromomethane	1.62	94	3377	4.748 ug/L	96
8) Chloroethane	1.69	64	4339	4.552 ug/L	95
9) Trichlorofluoromethane	1.88	101	7633	4.470 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5225	4.729 ug/L	95
12) 1,1-Dichloroethene	2.28	96	4876	4.461 ug/L	95
13) Acetone	2.32	43	9999	10.247 ug/L	94
14) Carbon disulfide	2.48	76	17901	4.690 ug/L	99
15) Methyl Acetate	2.62	43	7104	4.670 ug/L	95
16) Methylene chloride	2.70	84	6332	4.698 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	5368	4.533 ug/L	90
18) Methyl tert-butyl Ether	3.00	73	16101	4.422 ug/L	98
19) 1,1-Dichloroethane	3.44	63	10097	4.386 ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	6090	4.540 ug/L	92
22) 2-Butanone	4.27	43	10249	8.625 ug/L	96
23) Bromochloromethane	4.55	128	3072	4.804 ug/L	93
25) Chloroform	4.67	83	9947	4.540 ug/L	100
27) 1,2-Dichloroethane	5.40	62	7166	4.401 ug/L	98
29) Cyclohexane	4.99	56	9446	4.449 ug/L #	90
30) 1,1,1-Trichloroethane	4.91	97	7895	4.676 ug/L	97
31) Carbon tetrachloride	5.13	117	6100	4.480 ug/L	98
33) Benzene	5.39	78	23012	4.531 ug/L	100
34) Trichloroethene	6.19	95	5743	4.684 ug/L	96
35) Methylcyclohexane	6.41	83	8828	4.323 ug/L	98
37) 1,2-Dichloropropane	6.43	63	6469	4.557 ug/L #	98
38) Bromodichloromethane	6.76	83	6837	4.349 ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	8537	4.218 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	16092	8.433 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	22406	4.352	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	7471	4.141	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	5562	4.582	ug/L	97
46) Tetrachloroethene	8.23	164	4434	4.695	ug/L	89
48) 2-Hexanone	8.36	43	13622	8.698	ug/L	99
49) Dibromochloromethane	8.48	129	5248	4.341	ug/L	92
50) 1,2-Dibromoethane	8.59	107	5520	4.371	ug/L	93
51) Chlorobenzene	9.12	112	14440	4.450	ug/L	96
52) Ethylbenzene	9.25	91	23321	4.216	ug/L	97
53) m,p-Xylene	9.38	106	8509	4.160	ug/L	98
54) o-xylene	9.78	106	8768	4.277	ug/L	99
55) Styrene	9.79	104	13670	3.937	ug/L	97
56) Isopropylbenzene	10.17	105	21327	4.101	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	9429	4.276	ug/L	90
59) 1,2,3-Trichloropropane	10.49	75	7861	4.640	ug/L	99
61) Bromoform	9.95	173	4017	4.742	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	10020	4.615	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	10556	4.719	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	10494	4.634	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	1814	4.644	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	7440	4.648	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	5403	4.031	ug/L	86
69) Naphthalene	13.75	128	20991	4.511	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	6633	4.589	ug/L	96

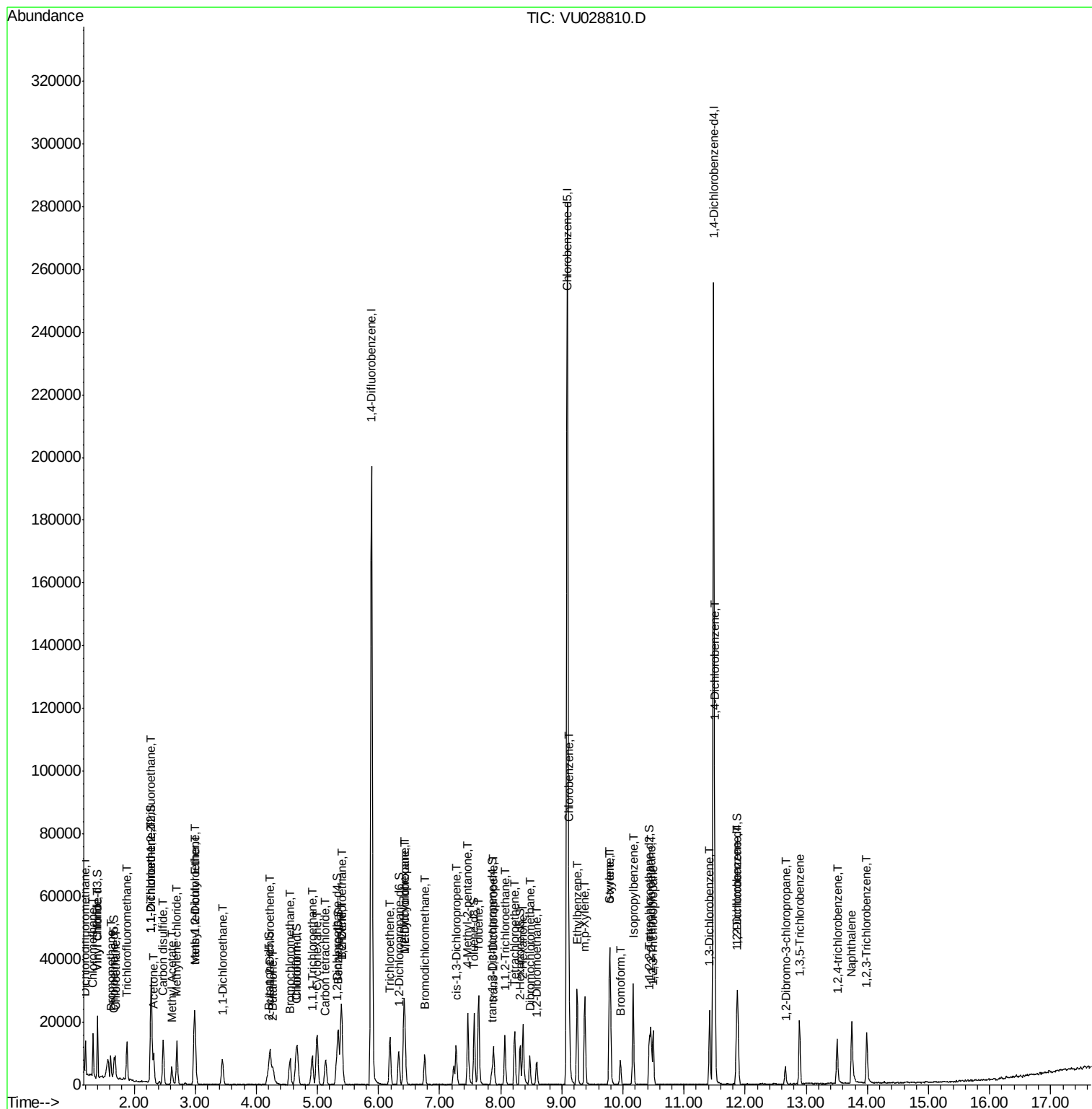
(#) = qualifier out of range (m) = manual integration (+) = signals summed

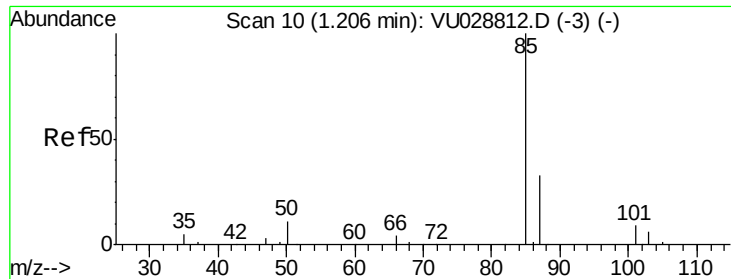
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#2

Dichlorodifluoromethane

Concen: 4.629 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

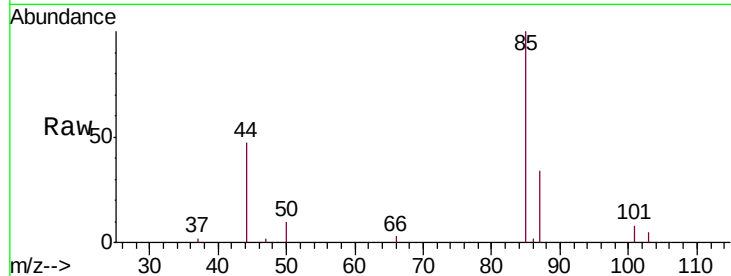
VSTD00555

Tgt Ion: 85 Resp: 6435

Ion Ratio Lower Upper

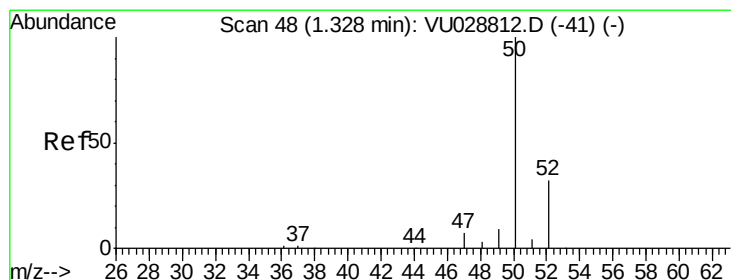
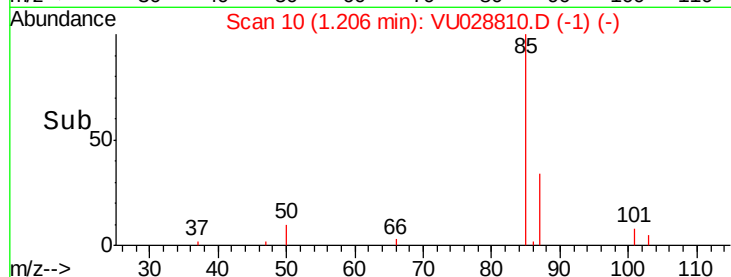
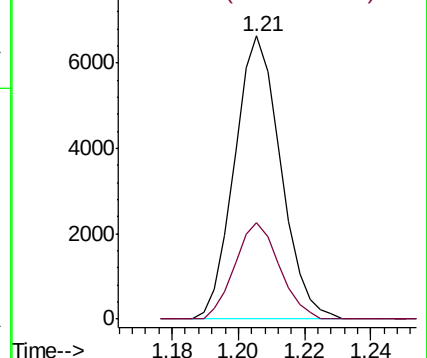
85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.884 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028810.D

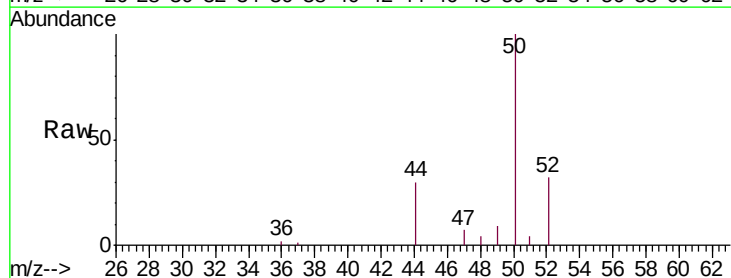
Acq: 20 Dec 2018 09:21

Tgt Ion: 50 Resp: 9231

Ion Ratio Lower Upper

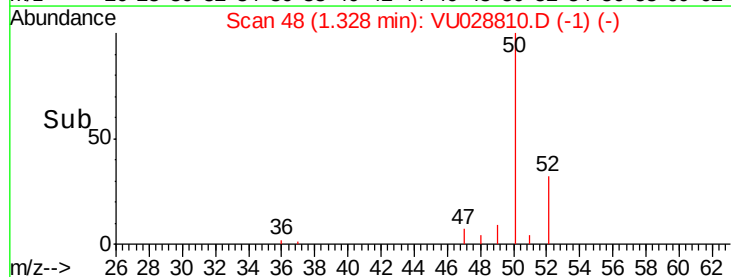
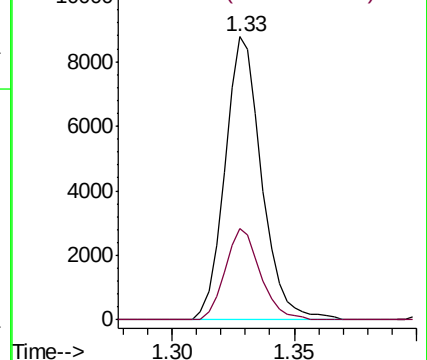
50 100

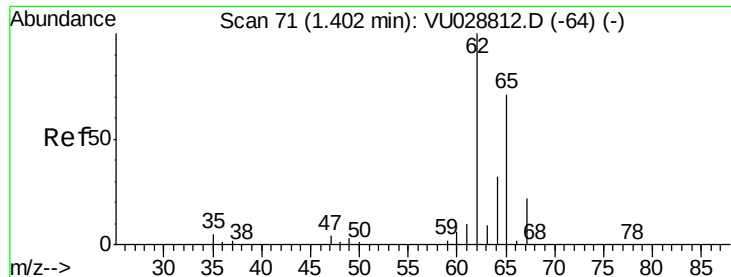
52 32.4 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 4.503 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

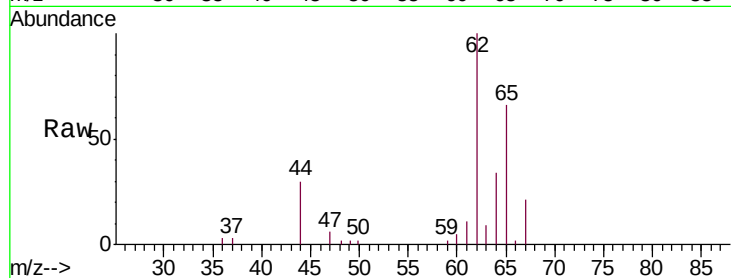
VSTD00555

Tgt Ion: 62 Resp: 7519

Ion Ratio Lower Upper

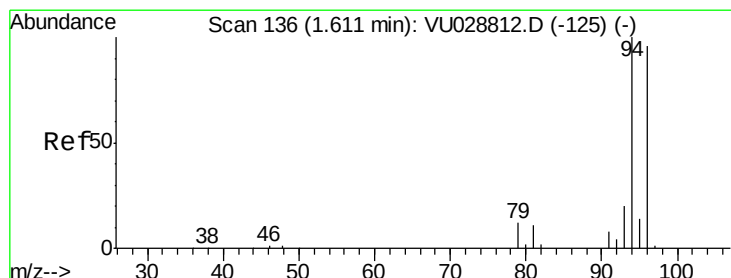
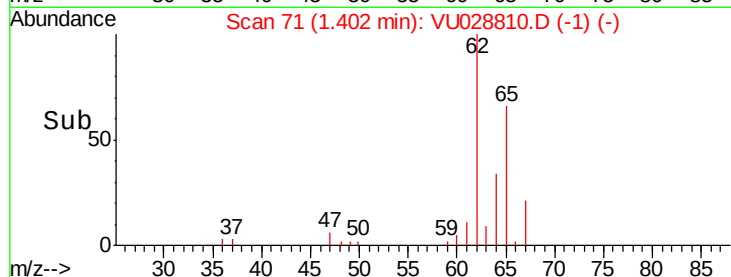
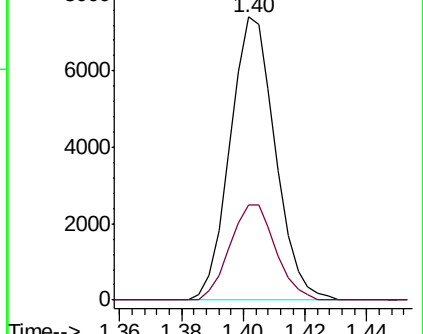
62 100

64 33.7 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 4.748 ug/L

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU028810.D

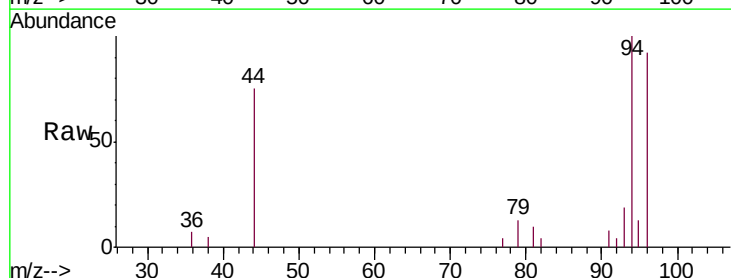
Acq: 20 Dec 2018 09:21

Tgt Ion: 94 Resp: 3377

Ion Ratio Lower Upper

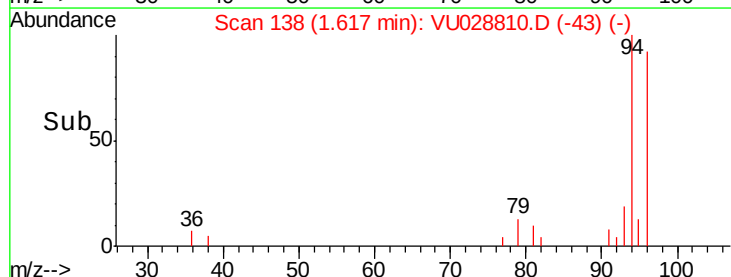
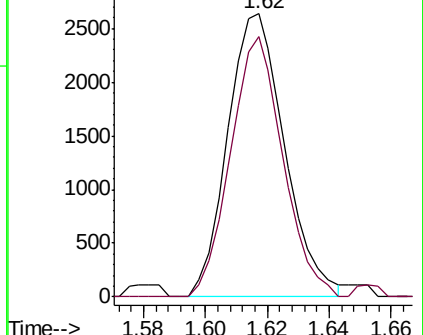
94 100

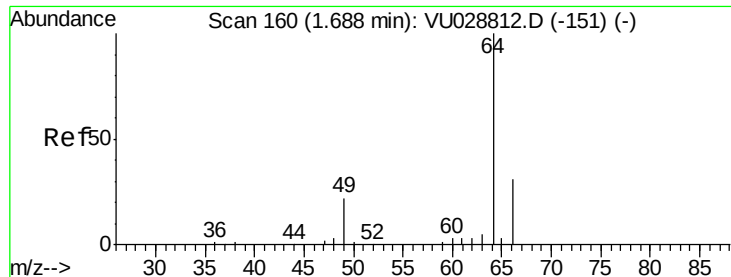
96 91.8 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.552 ug/L

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

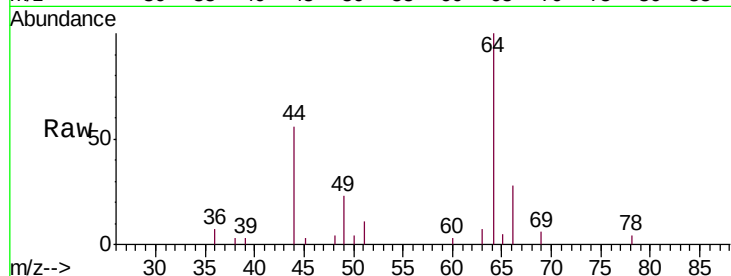
VSTD00555

Tgt Ion: 64 Resp: 4339

Ion Ratio Lower Upper

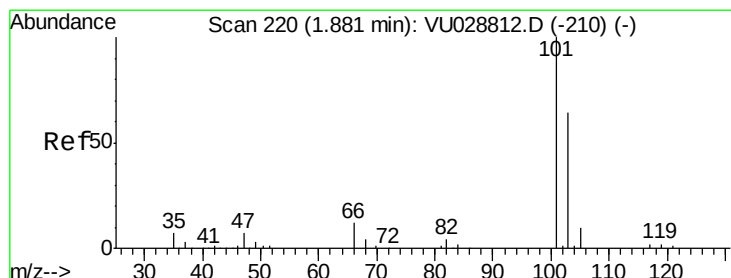
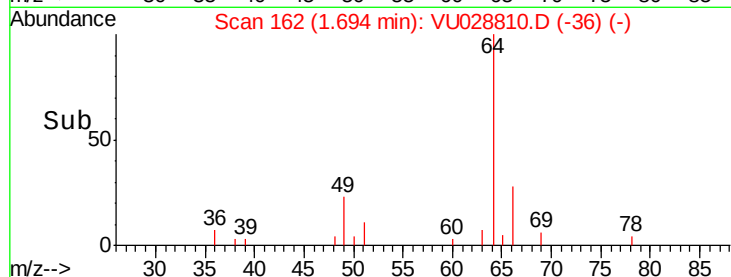
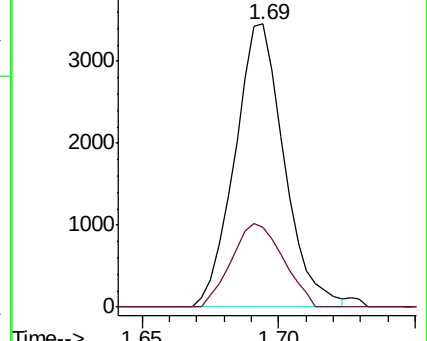
64 100

66 28.1 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VU028812.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VU028812.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 4.470 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU028810.D

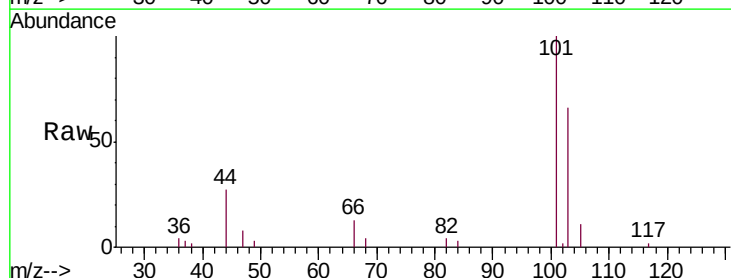
Acq: 20 Dec 2018 09:21

Tgt Ion: 101 Resp: 7633

Ion Ratio Lower Upper

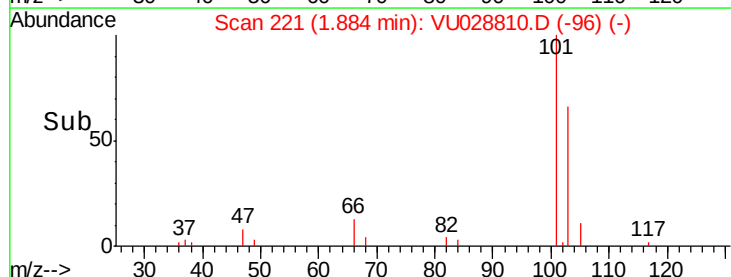
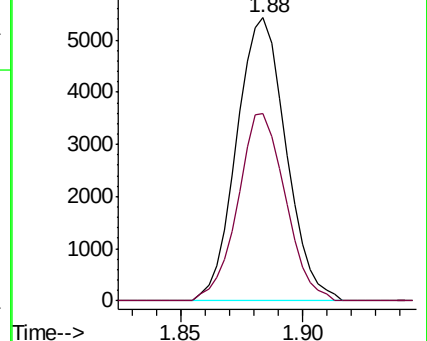
101 100

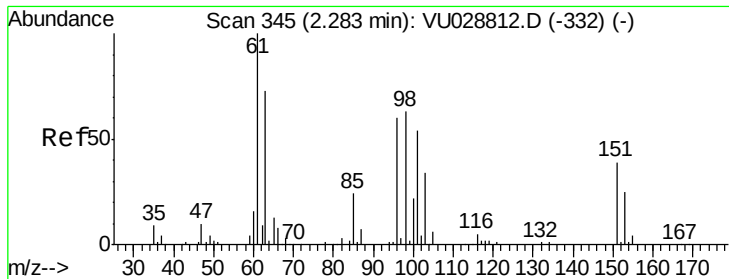
103 63.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU028812.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU028812.D (-210) (-)





#10

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

Concen: 4.729 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

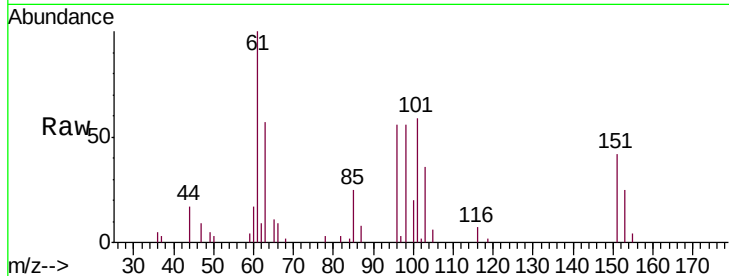
Tgt Ion:101 Resp: 5225

Ion Ratio Lower Upper

101 100

85 40.2 33.8 50.6

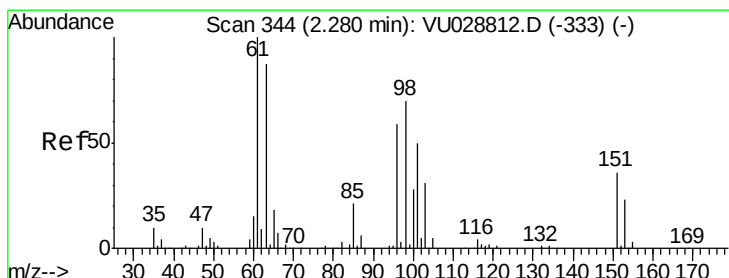
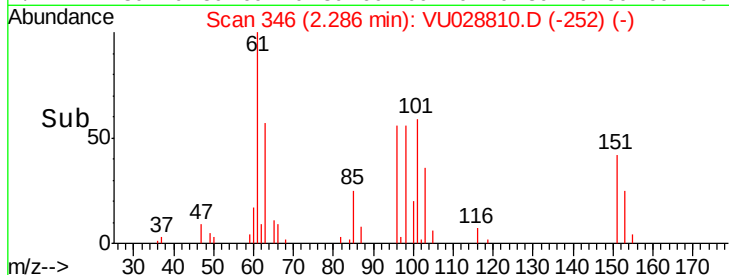
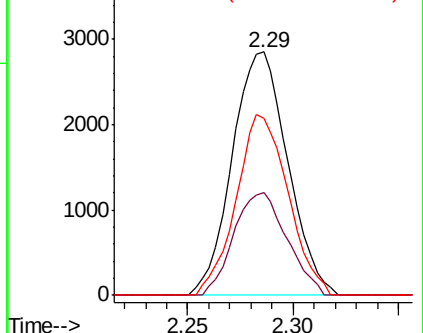
151 69.5 59.4 89.0



Abundance Ion 101.00 (100.70 to 101.70): VU028810.D (-252) (-)

Ion 85.00 (84.70 to 85.70): VU028810.D (-252) (-)

Ion 151.00 (150.70 to 151.70): VU028810.D (-252) (-)



#12

1,1-Dichloroethene

Concen: 4.461 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

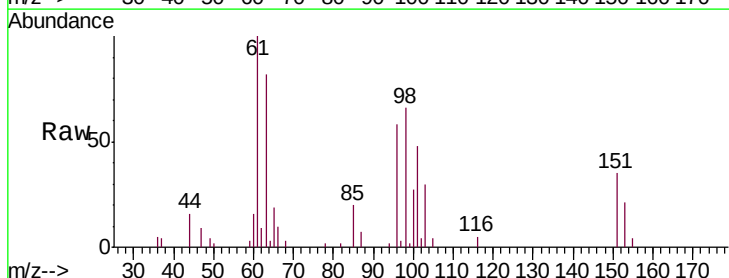
Tgt Ion: 96 Resp: 4876

Ion Ratio Lower Upper

96 100

61 172.7 119.3 221.5

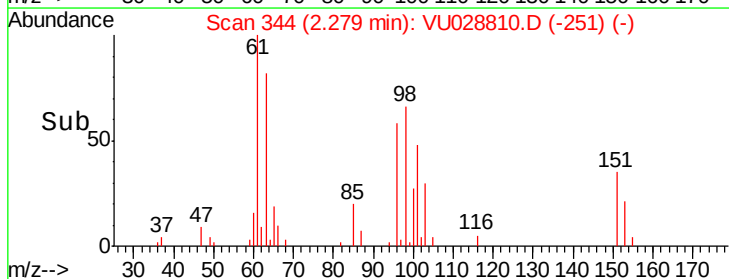
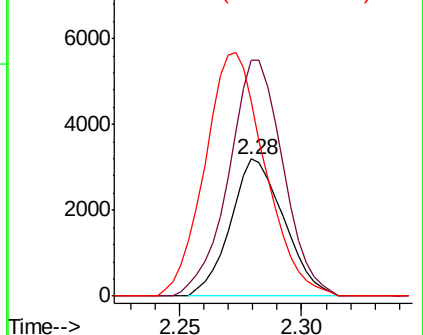
63 142.5 107.4 199.6

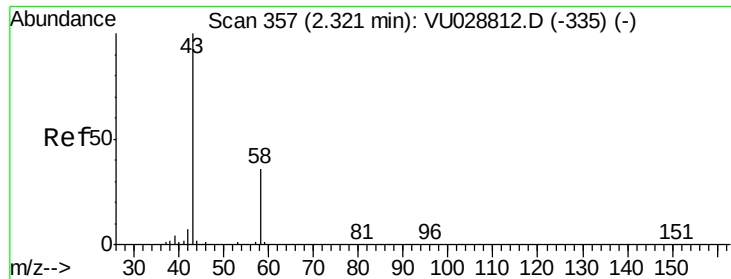


Abundance Ion 96.00 (95.70 to 96.70): VU028810.D (-251) (-)

Ion 61.00 (60.70 to 61.70): VU028810.D (-251) (-)

Ion 63.00 (62.70 to 63.70): VU028810.D (-251) (-)





#13

Acetone

Concen: 10.247 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

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MSVOA_U

ClientSampleId :

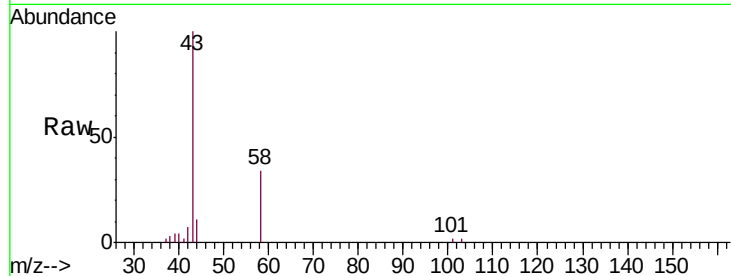
VSTD00555

Tgt Ion: 43 Resp: 9999

Ion Ratio Lower Upper

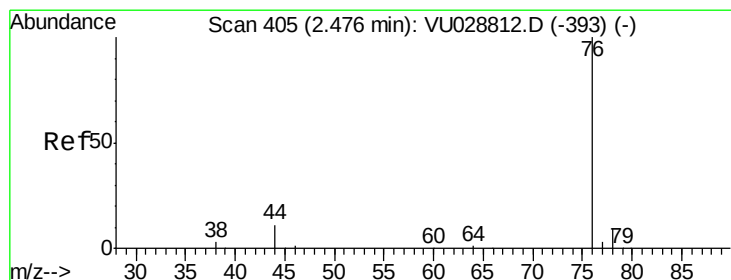
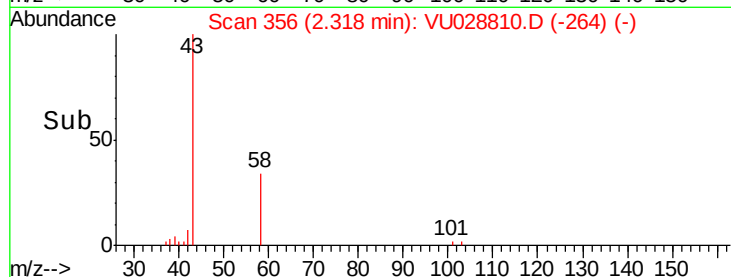
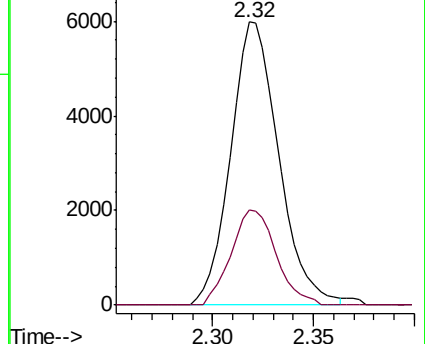
43 100

58 31.6 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU028812.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU028812.D (-335) (-)



#14

Carbon disulfide

Concen: 4.690 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028810.D

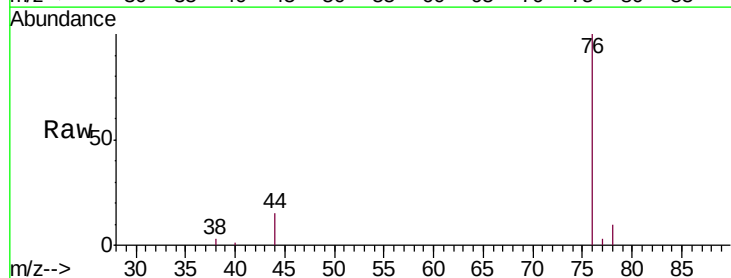
Acq: 20 Dec 2018 09:21

Tgt Ion: 76 Resp: 17901

Ion Ratio Lower Upper

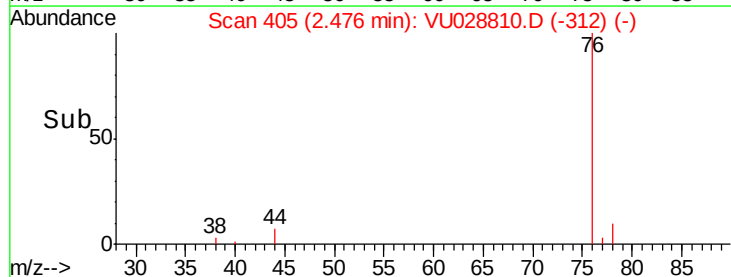
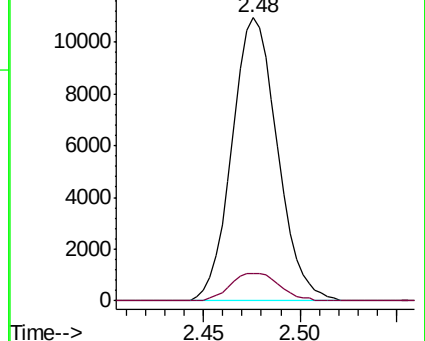
76 100

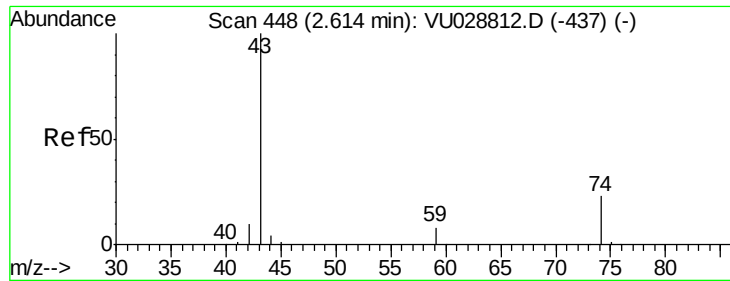
78 9.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU028812.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU028812.D (-393) (-)

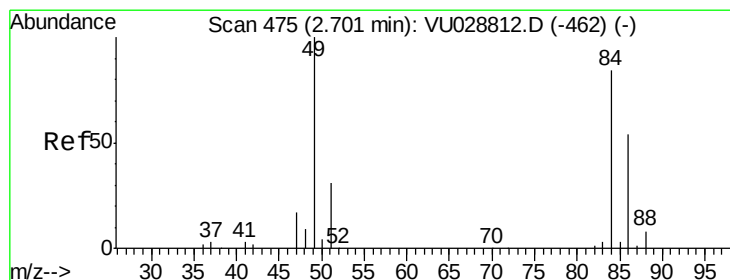
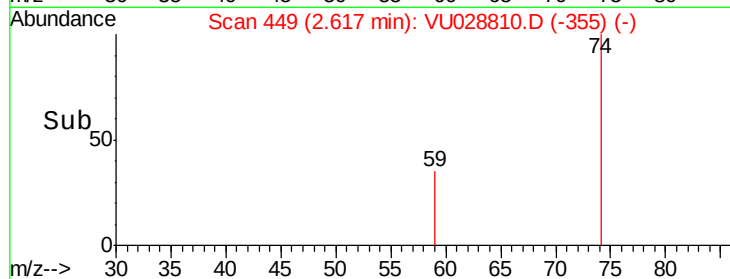
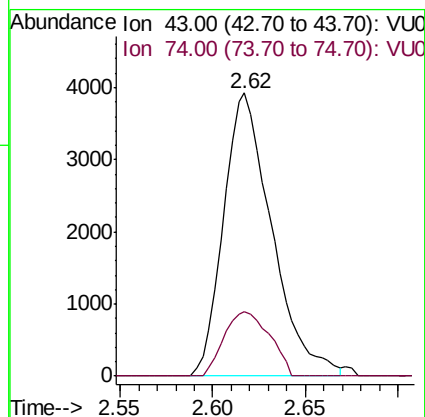
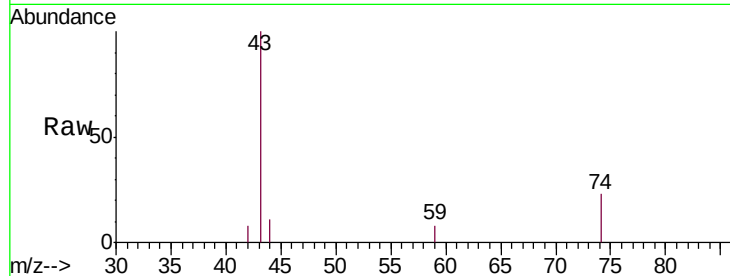




#15
Methyl Acetate
Concen: 4.670 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

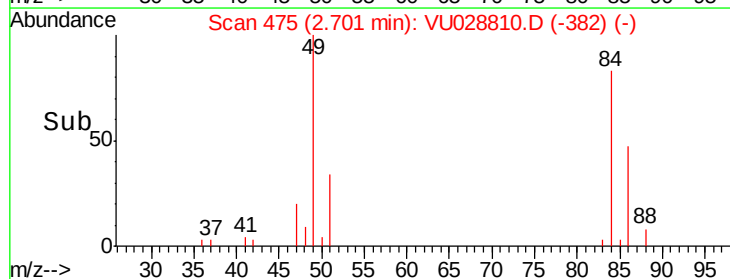
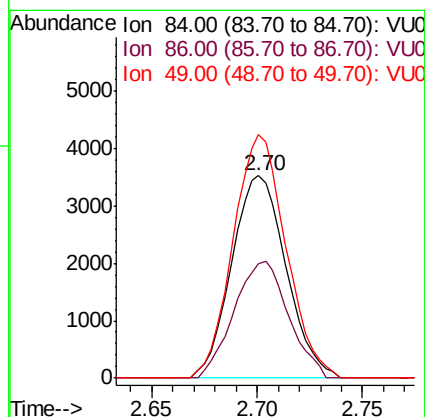
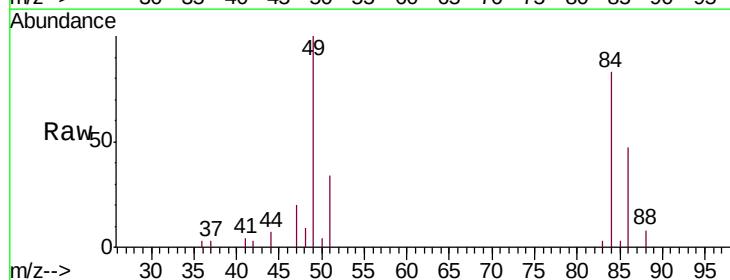
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

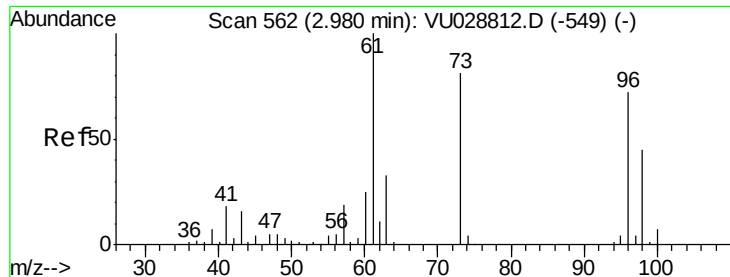
Tgt Ion: 43 Resp: 7104
Ion Ratio Lower Upper
43 100
74 21.5 19.0 28.4



#16
Methylene chloride
Concen: 4.698 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

Tgt Ion: 84 Resp: 6332
Ion Ratio Lower Upper
84 100
86 56.5 44.9 83.3
49 120.4 83.9 155.7





#17

trans-1,2-Dichloroethene

Concen: 4.533 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

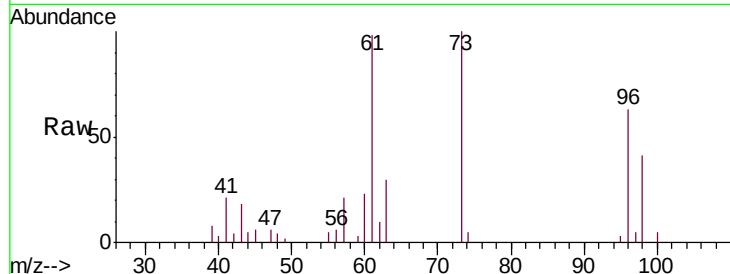
Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Tgt Ion: 96 Resp: 5368

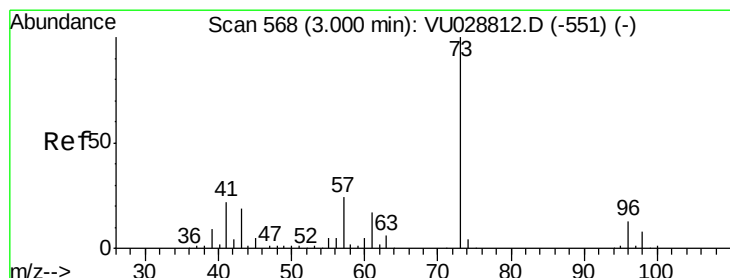
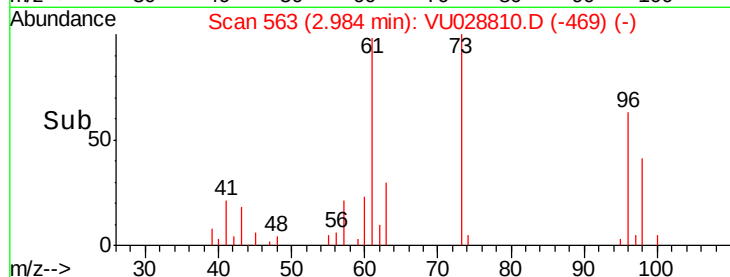
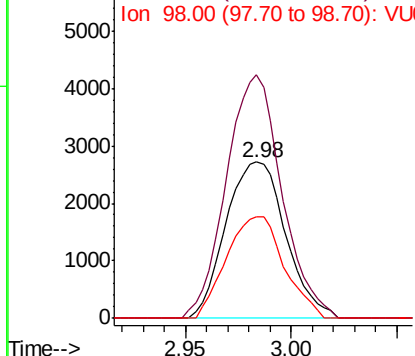
Ion	Ratio	Lower	Upper
96	100		
61	155.6	97.9	181.7
98	65.3	44.1	81.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 4.422 ug/L

RT: 3.00 min Scan# 567

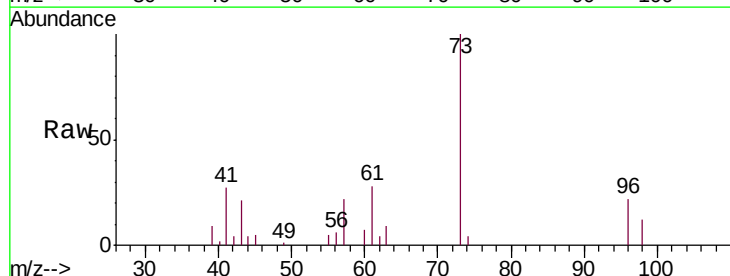
Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Tgt Ion: 73 Resp: 16101

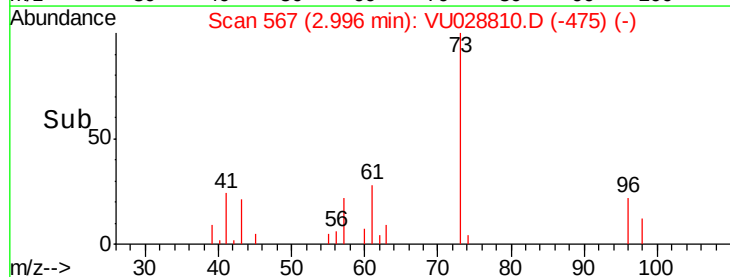
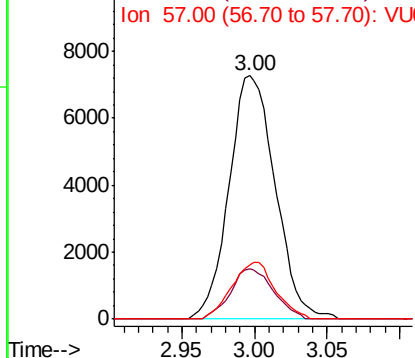
Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.3	22.9
57	22.0	19.0	28.4

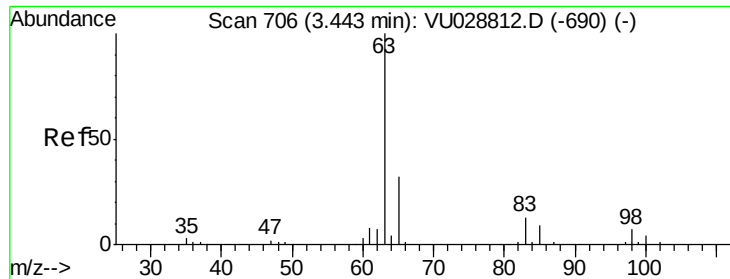


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

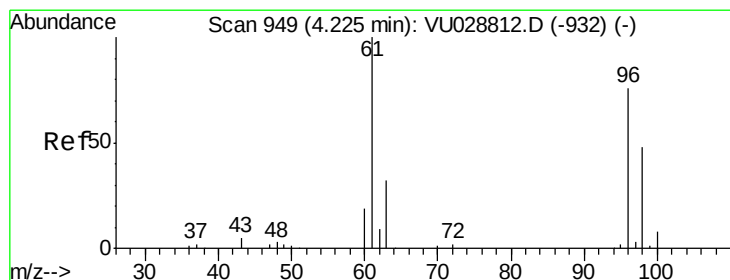
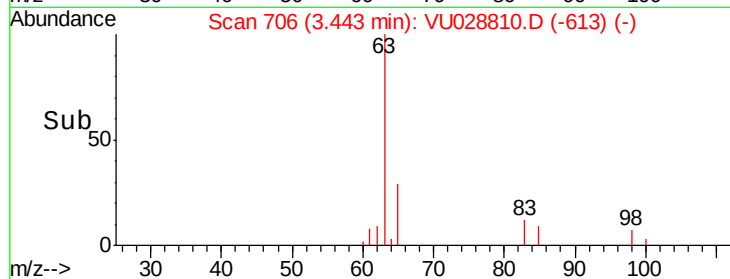
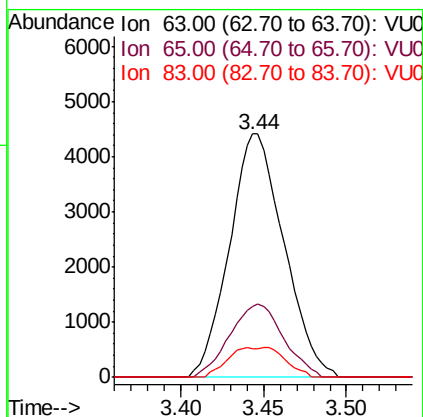
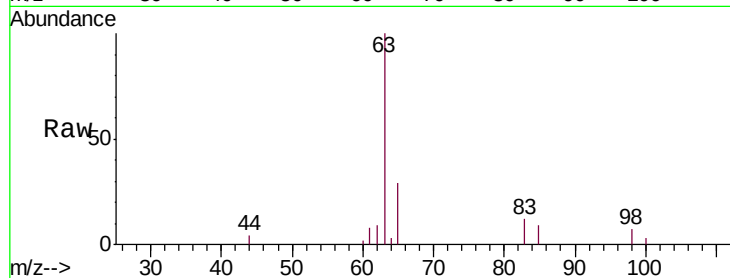




#19
 1,1-Dichloroethane
 Concen: 4.386 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

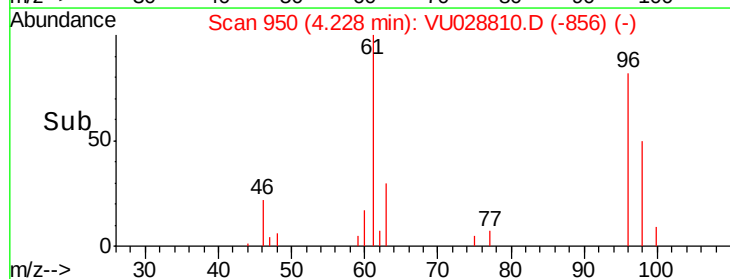
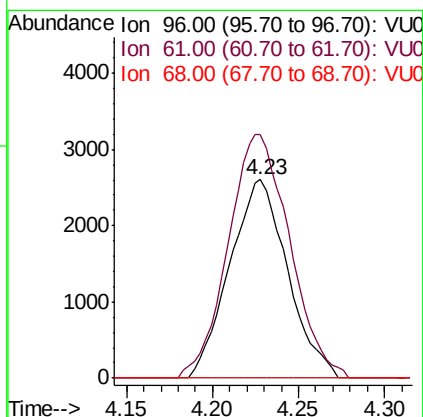
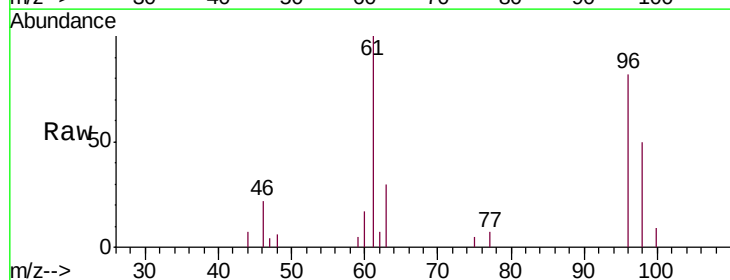
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

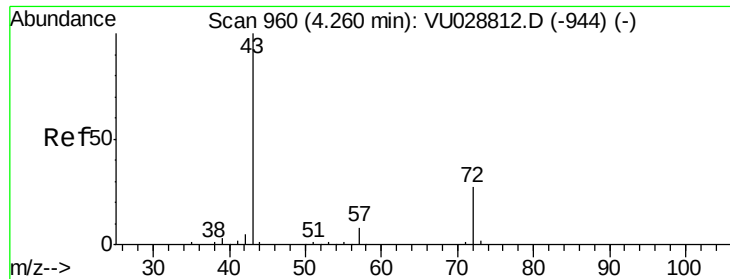
Tgt Ion: 63 Resp: 10097
 Ion Ratio Lower Upper
 63 100
 65 29.2 22.7 42.1
 83 11.7 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 4.540 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Tgt Ion: 96 Resp: 6090
 Ion Ratio Lower Upper
 96 100
 61 122.5 92.1 171.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.625 ug/L

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

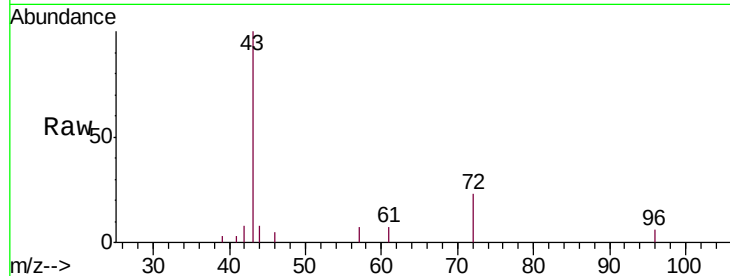
VSTD00555

Tgt Ion: 43 Resp: 10249

Ion Ratio Lower Upper

43 100

72 25.4 13.7 41.1



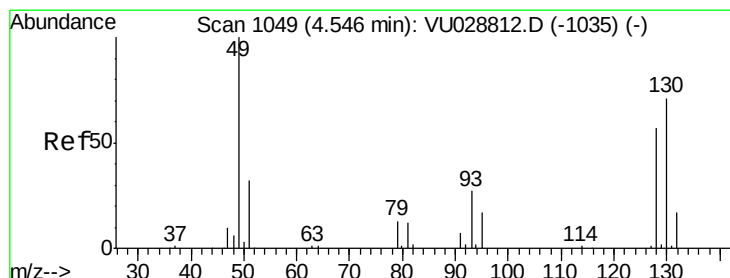
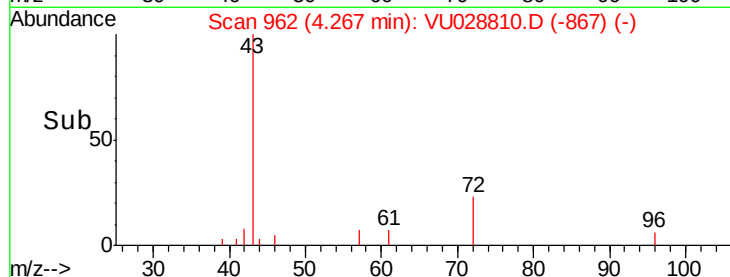
Abundance Ion 43.00 (42.70 to 43.70): VU028812.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU028812.D (-944) (-)

4.27

4.20 4.25 4.30 4.35 4.40

Time-->



#23

Bromochloromethane

Concen: 4.804 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Tgt Ion: 128 Resp: 3072

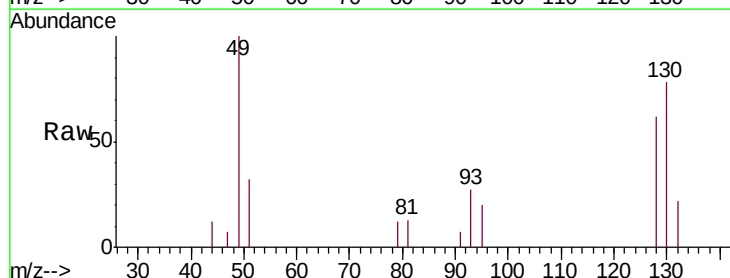
Ion Ratio Lower Upper

128 100

49 160.2 123.0 228.4

130 125.0 86.5 160.7

51 51.8 44.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): VU028812.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU028812.D (-1035) (-)

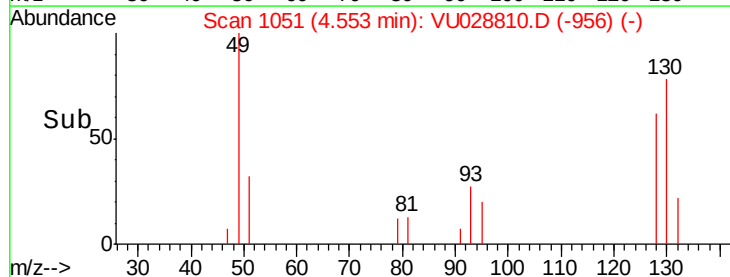
Ion 130.00 (129.70 to 130.70): VU028812.D (-1035) (-)

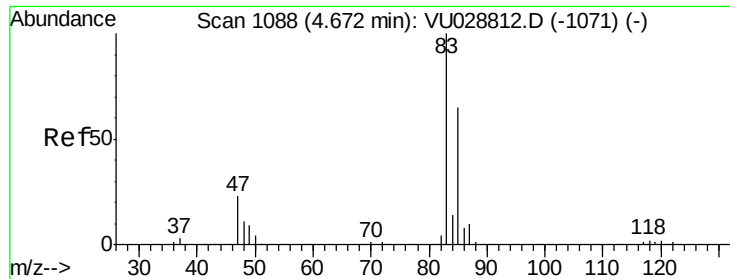
Ion 51.00 (50.70 to 51.70): VU028812.D (-1035) (-)

4.55

4.50 4.55 4.60

Time-->

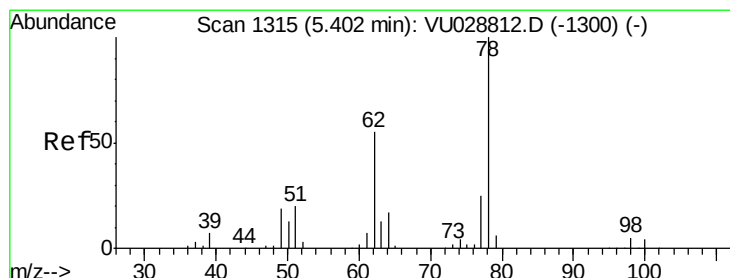
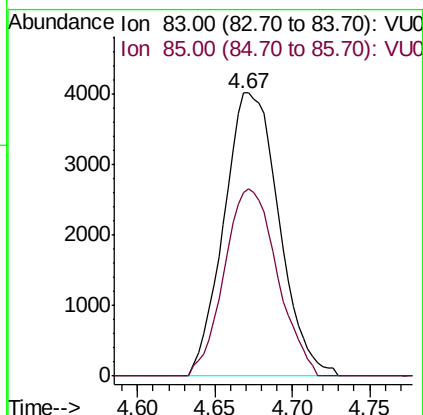
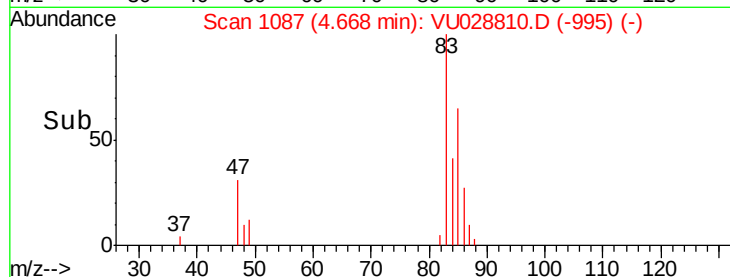
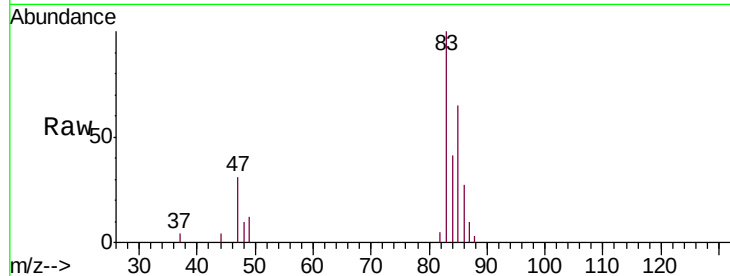




#25
Chloroform
Concen: 4.540 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

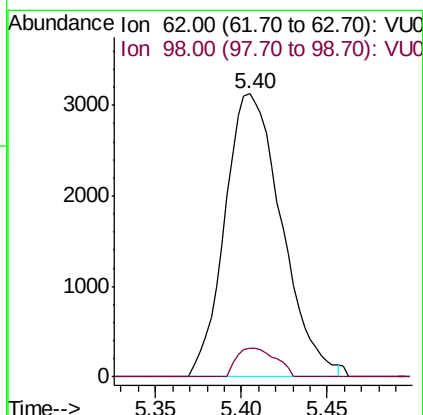
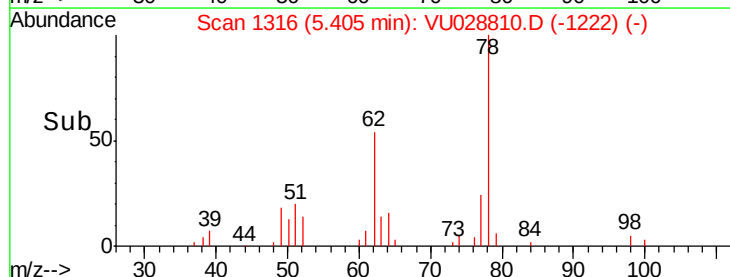
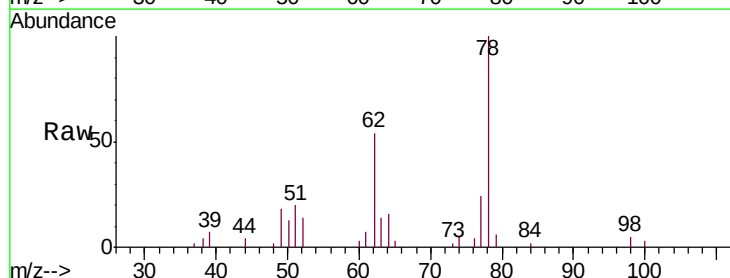
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

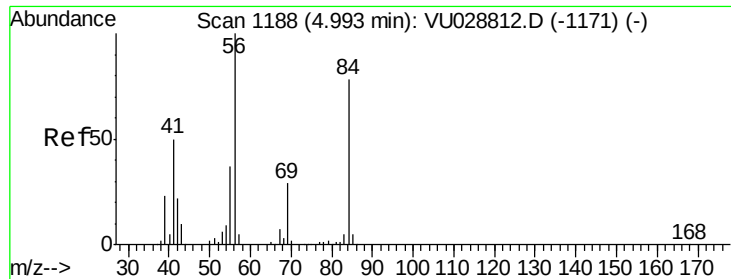
Tgt Ion: 83 Resp: 9947
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.401 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

Tgt Ion: 62 Resp: 7166
Ion Ratio Lower Upper
62 100
98 10.2 7.5 11.3

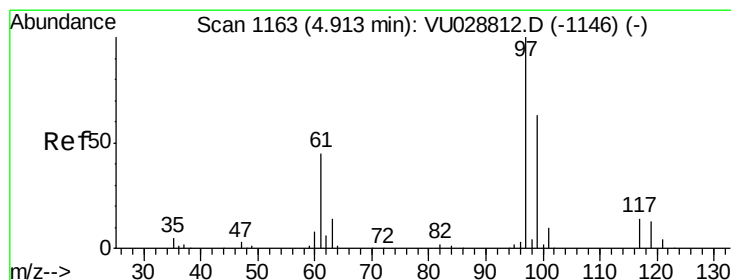
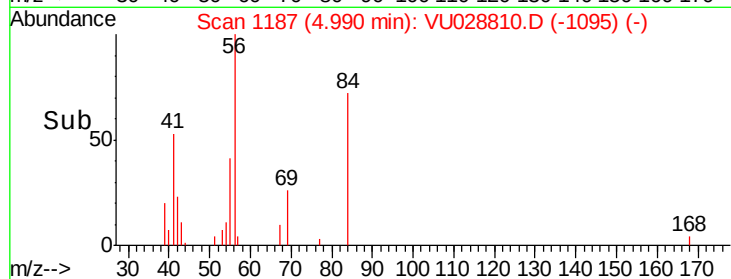
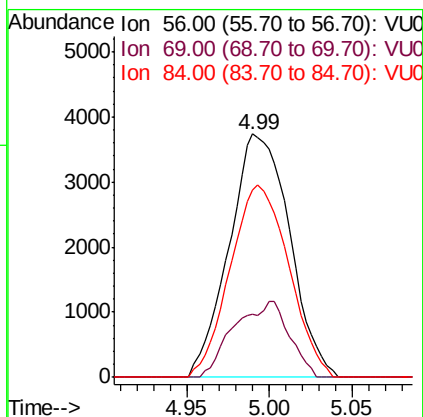
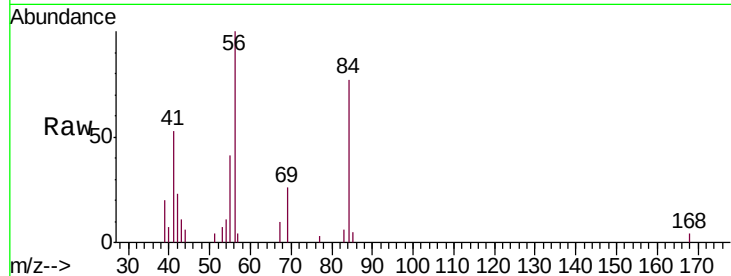




#29
Cyclohexane
Concen: 4.449 ug/L
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

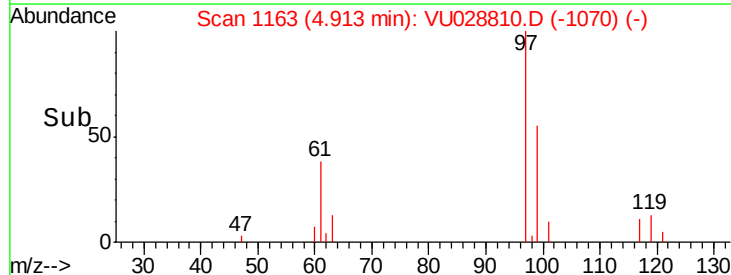
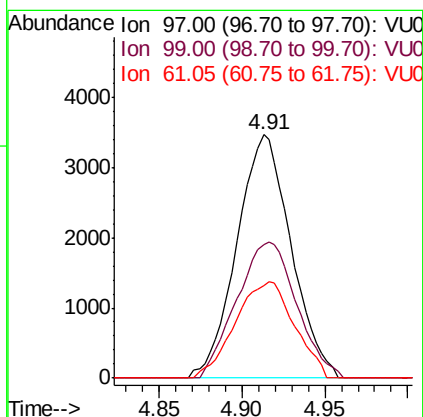
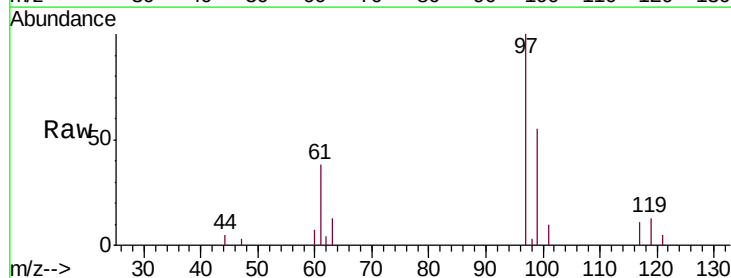
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

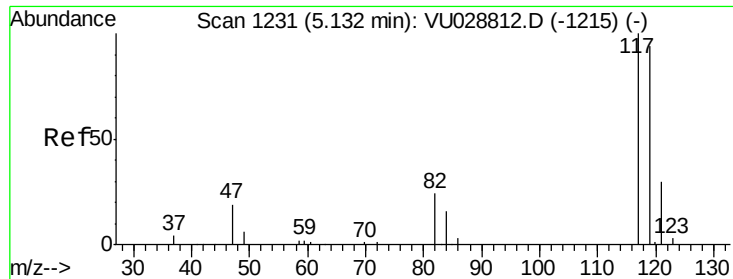
Tgt Ion: 56 Resp: 9446
Ion Ratio Lower Upper
56 100
69 14.4 23.8 35.8#
84 76.8 63.8 95.8



#30
1,1,1-Trichloroethane
Concen: 4.676 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

Tgt Ion: 97 Resp: 7895
Ion Ratio Lower Upper
97 100
99 61.9 51.2 76.8
61 43.2 36.1 54.1





#31

Carbon tetrachloride

Concen: 4.480 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

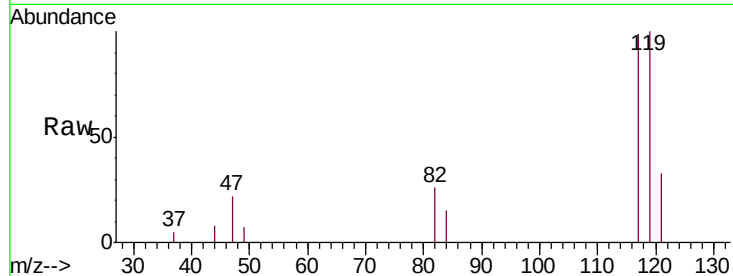
VSTD00555

Tgt Ion: 117 Resp: 6100

Ion Ratio Lower Upper

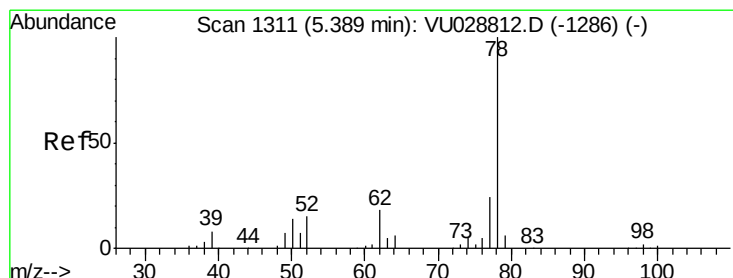
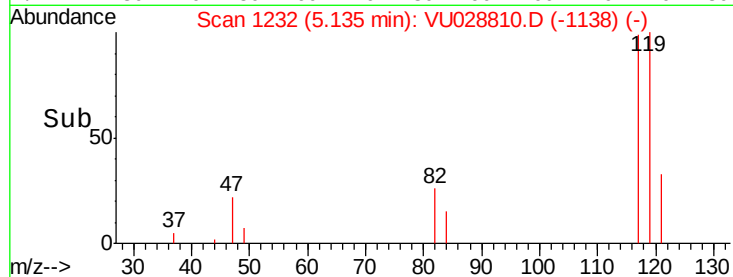
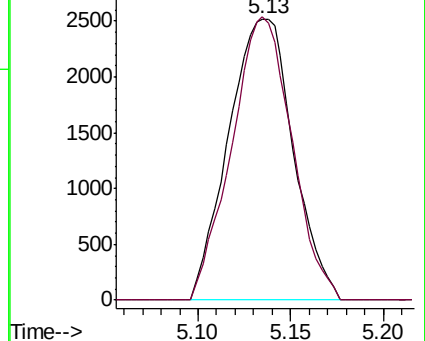
117 100

119 94.0 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.531 ug/L

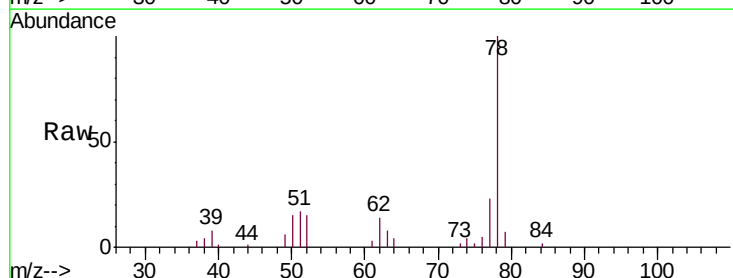
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Tgt Ion: 78 Resp: 23012



Abundance Ion 78.00 (77.70 to 78.70): VU0

12000

10000

8000

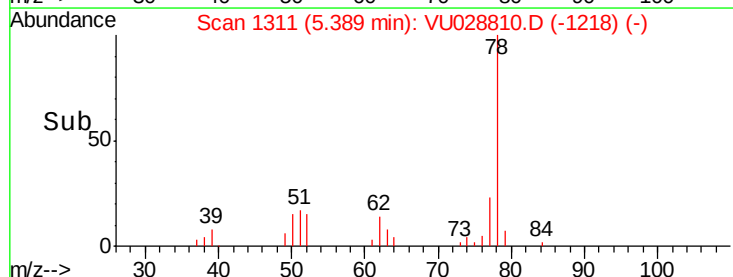
6000

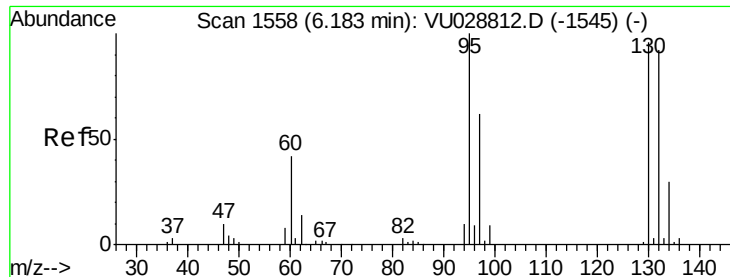
4000

2000

0

Time-->





#34

Trichloroethene

Concen: 4.684 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

Tgt Ion: 95 Resp: 5743

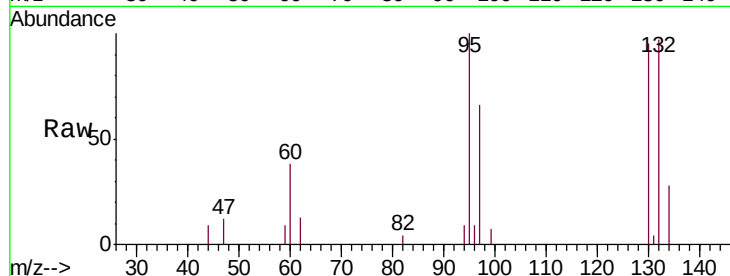
Ion Ratio Lower Upper

95 100

97 66.0 43.3 80.3

132 97.0 64.2 119.2

130 94.5 67.1 124.7

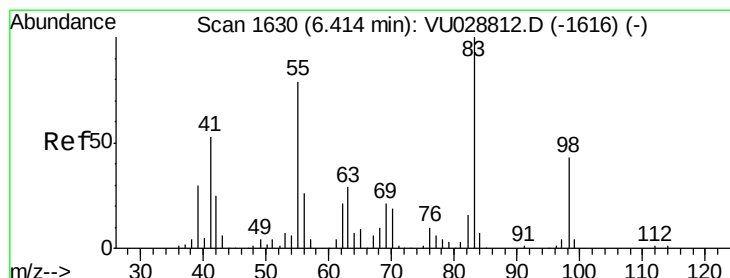
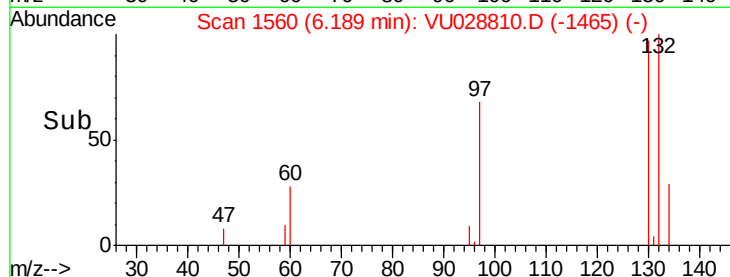
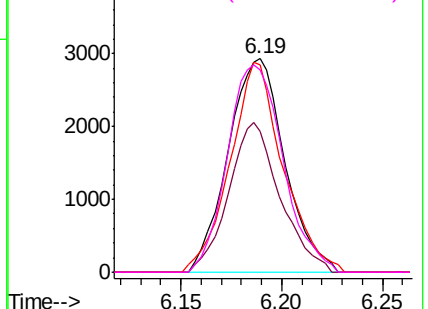


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 4.323 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

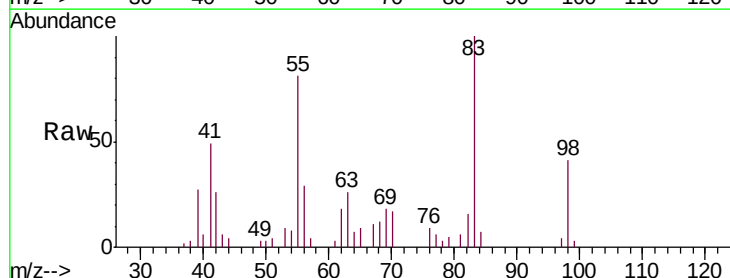
Tgt Ion: 83 Resp: 8828

Ion Ratio Lower Upper

83 100

55 82.7 63.7 95.5

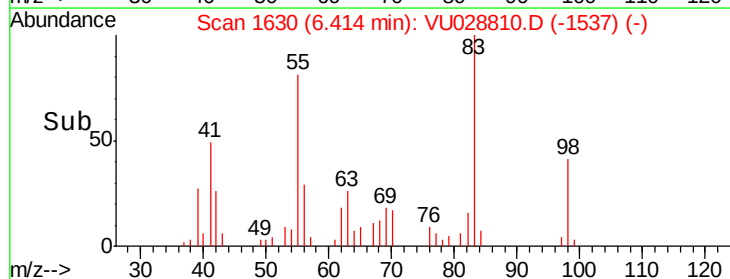
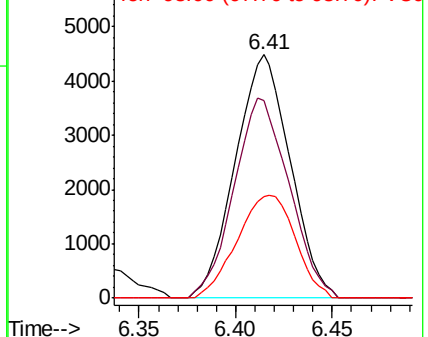
98 44.7 35.6 53.4

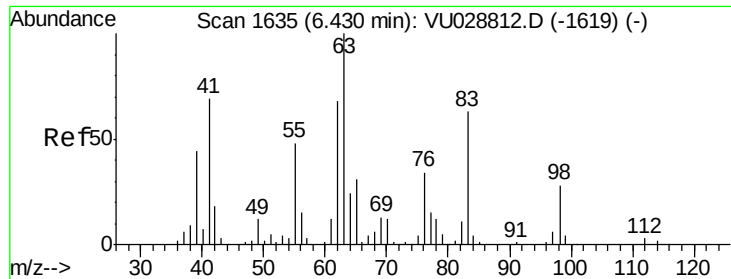


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

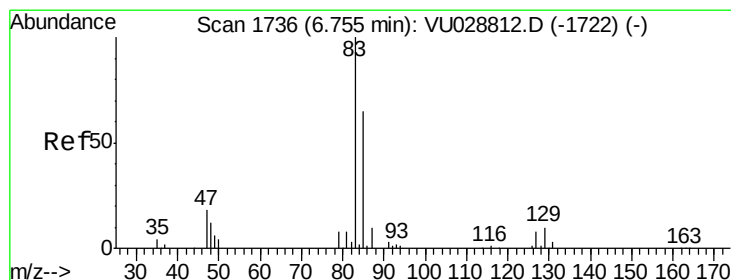
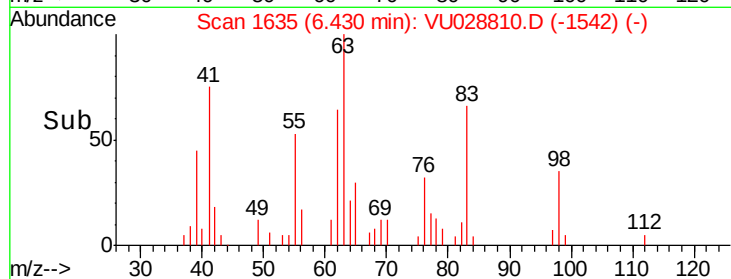
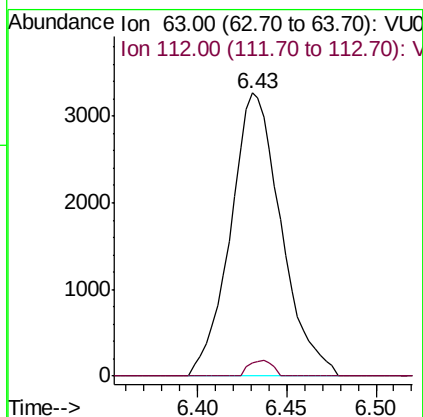
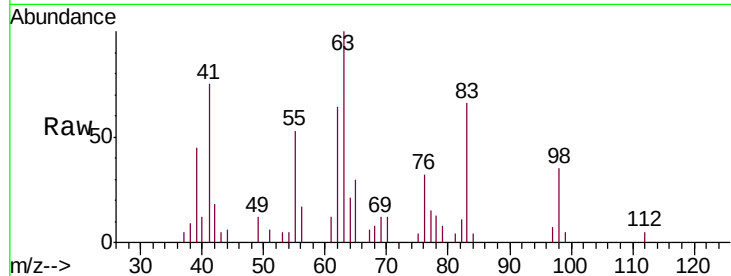




#37
 1,2-Dichloropropane
 Concen: 4.557 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

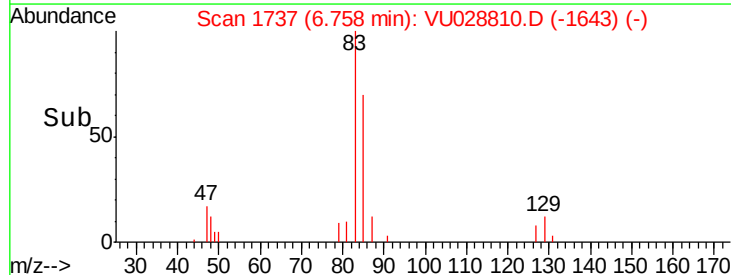
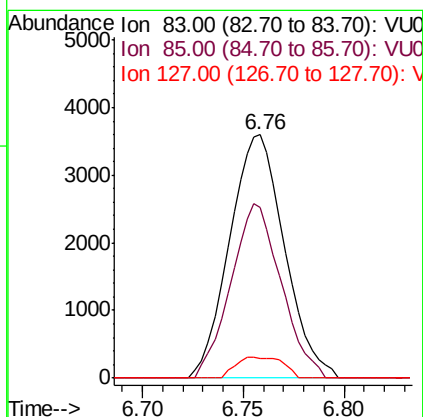
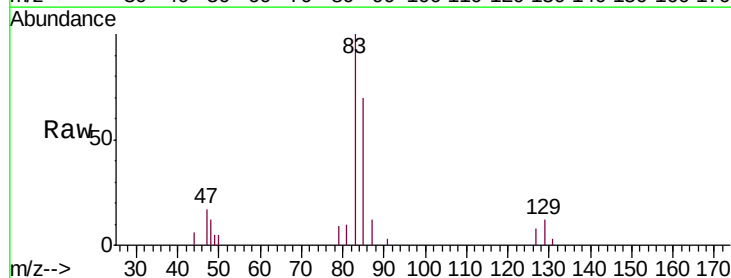
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

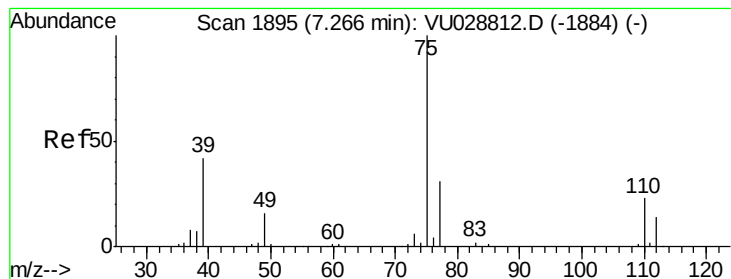
Tgt Ion: 63 Resp: 6469
 Ion Ratio Lower Upper
 63 100
 112 2.6 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 4.349 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Tgt Ion: 83 Resp: 6837
 Ion Ratio Lower Upper
 83 100
 85 70.3 45.4 84.2
 127 8.3 6.2 9.2



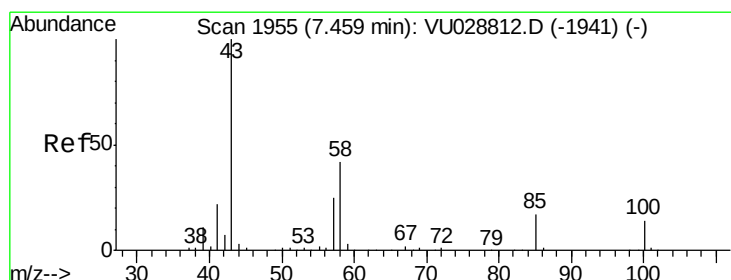
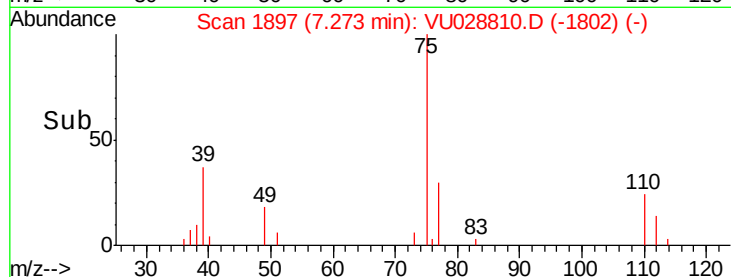
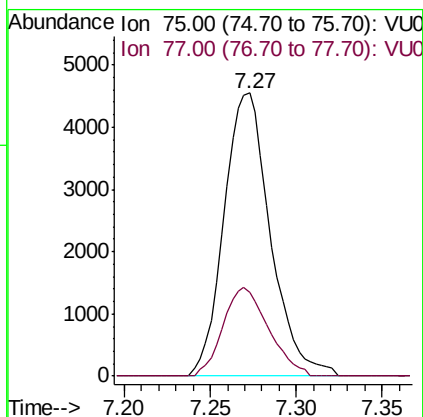
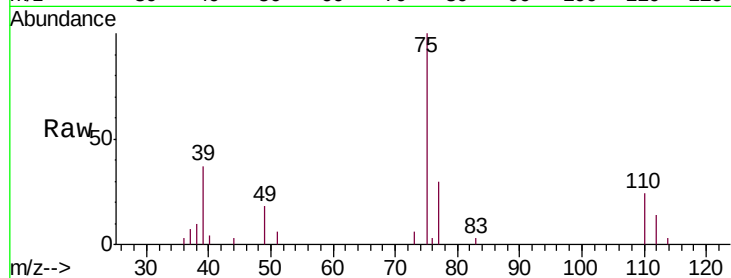


#39

cis-1,3-Dichloropropene
 Concen: 4.218 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.01 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

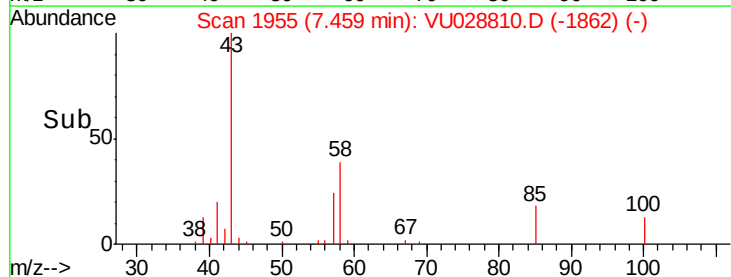
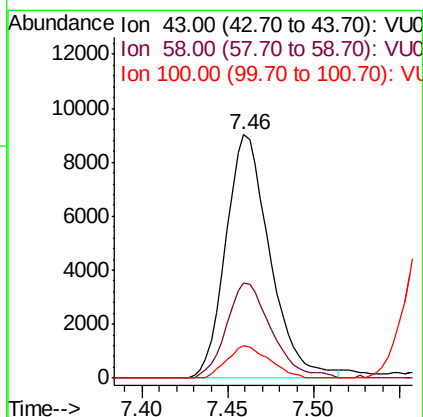
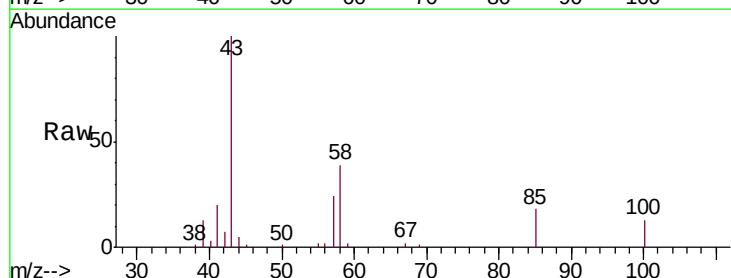
Tgt Ion: 75 Resp: 8537
 Ion Ratio Lower Upper
 75 100
 77 29.7 21.8 40.6

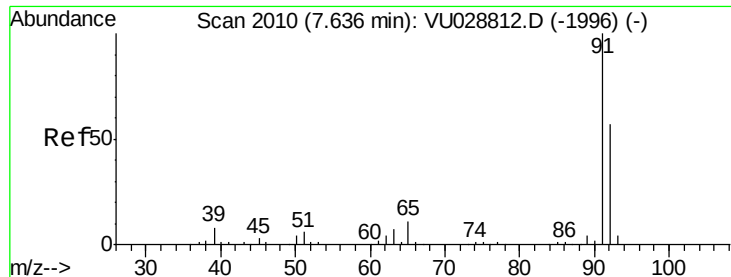


#40

4-Methyl-2-pentanone
 Concen: 8.433 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Tgt Ion: 43 Resp: 16092
 Ion Ratio Lower Upper
 43 100
 58 39.1 33.1 49.7
 100 12.7 11.5 17.3





#42

Toluene

Concen: 4.352 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

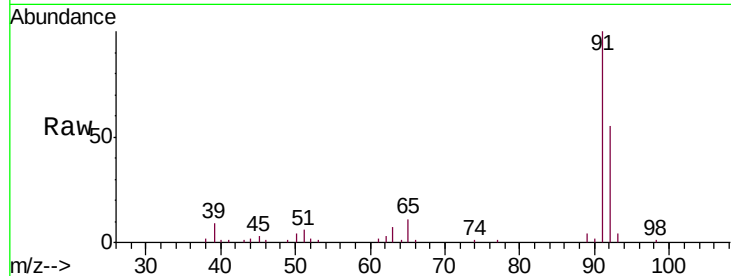
VSTD00555

Tgt Ion: 91 Resp: 22406

Ion Ratio Lower Upper

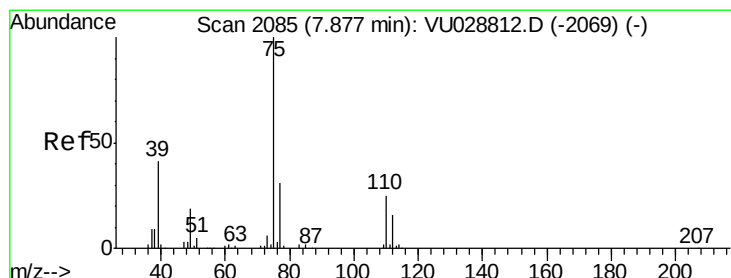
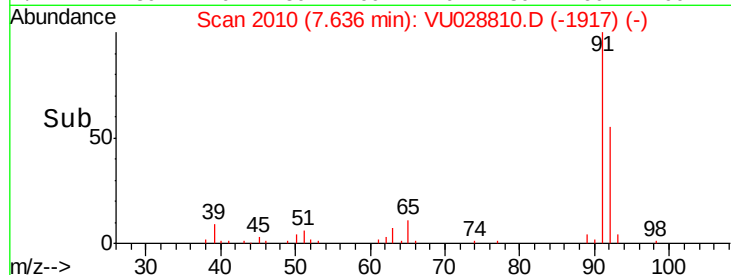
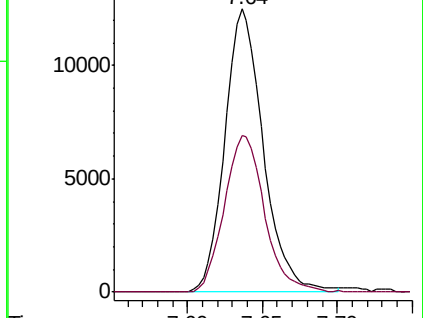
91 100

92 55.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.141 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VU028810.D

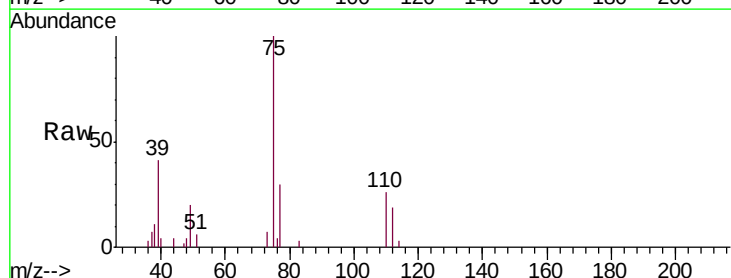
Acq: 20 Dec 2018 09:21

Tgt Ion: 75 Resp: 7471

Ion Ratio Lower Upper

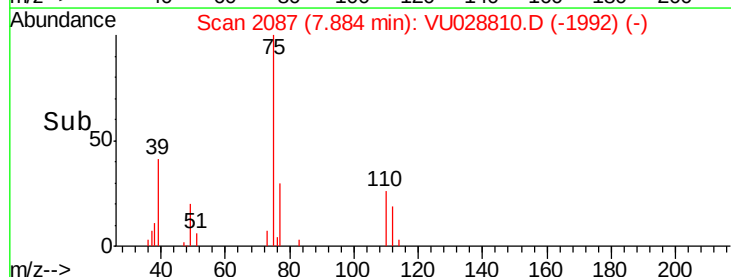
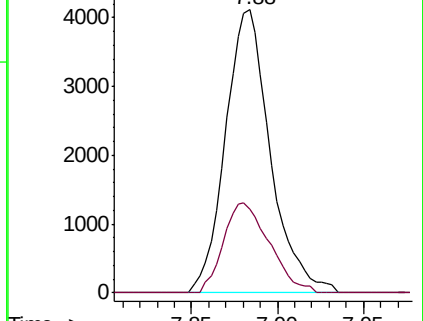
75 100

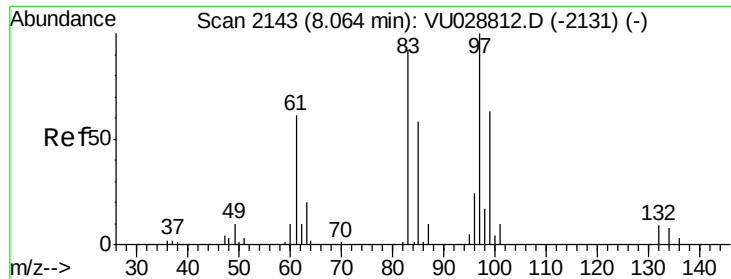
77 29.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

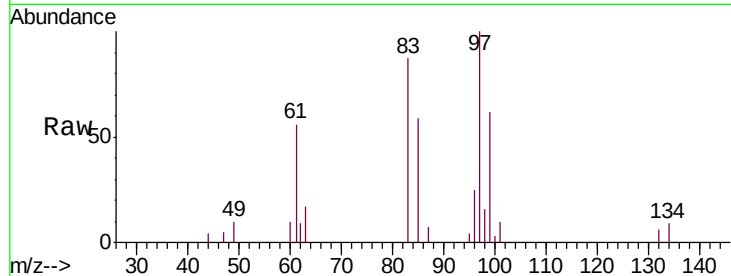




#45
 1,1,2-Trichloroethane
 Concen: 4.582 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00555

Tgt Ion:	97	Resp:	5562
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.2	82.2
83	87.3	64.5	119.9
85	58.9	40.9	75.9



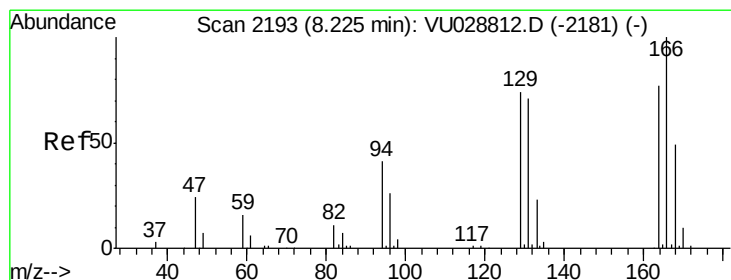
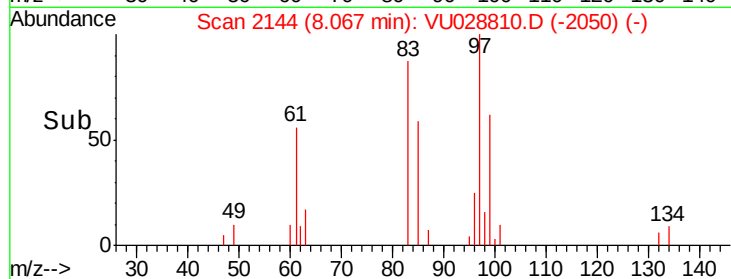
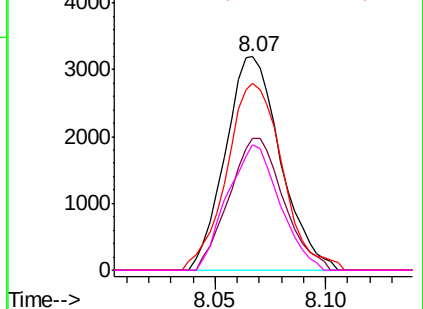
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

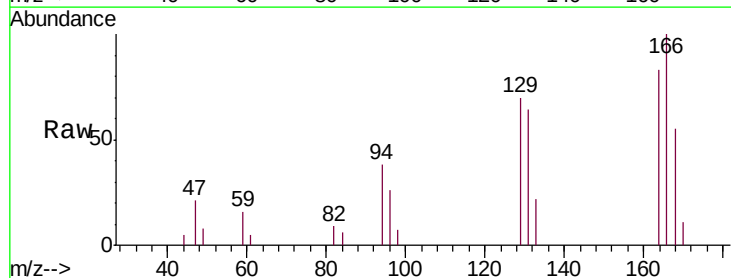
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 4.695 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Tgt Ion:	164	Resp:	4434
Ion	Ratio	Lower	Upper
164	100		
129	84.6	66.8	124.0
131	77.3	64.2	119.2
166	120.2	90.8	168.6



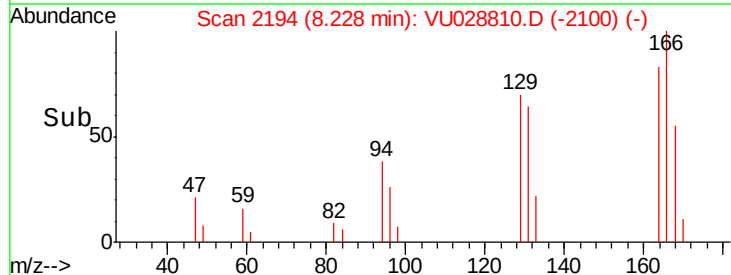
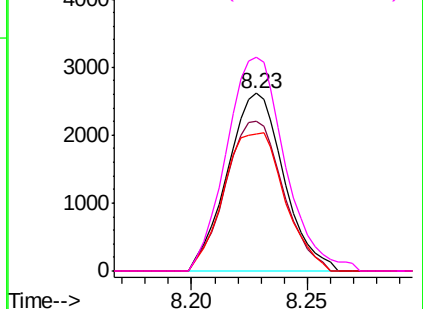
Abundance

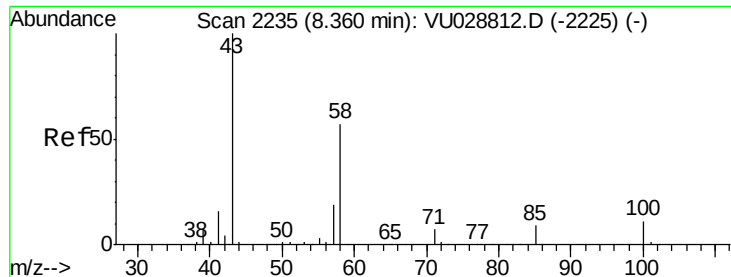
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

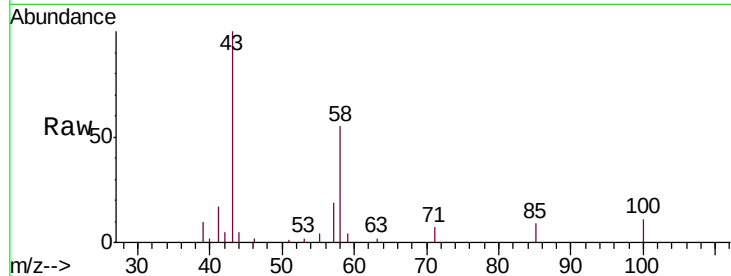




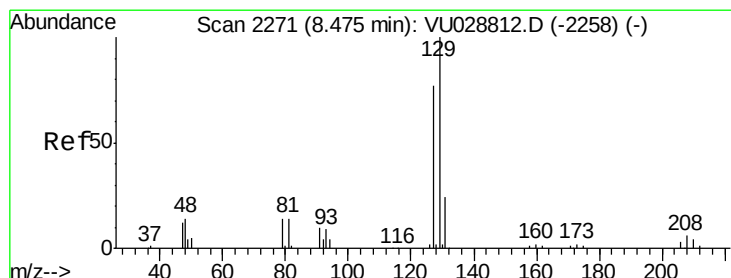
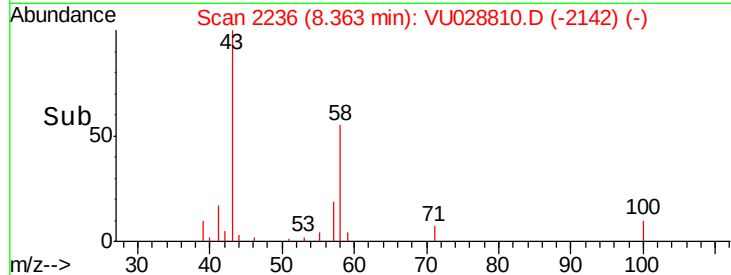
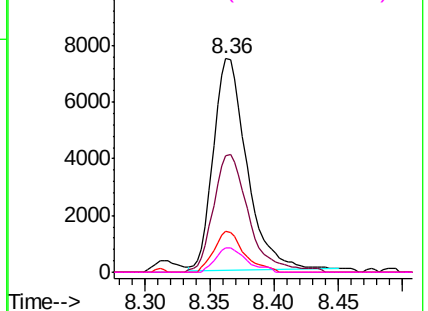
#48
2-Hexanone
Concen: 8.698 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Tgt Ion: 43 Resp: 13622
Ion Ratio Lower Upper
43 100
58 57.7 45.9 68.9
57 17.2 15.0 22.4
100 10.6 8.7 13.1

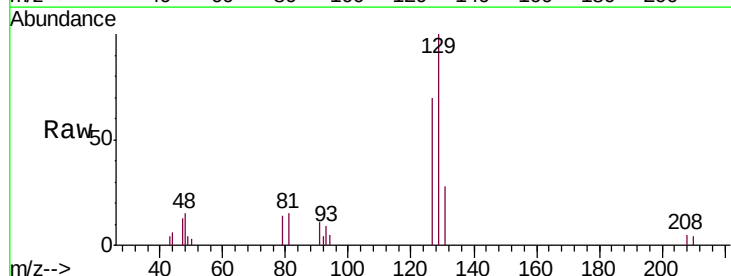


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

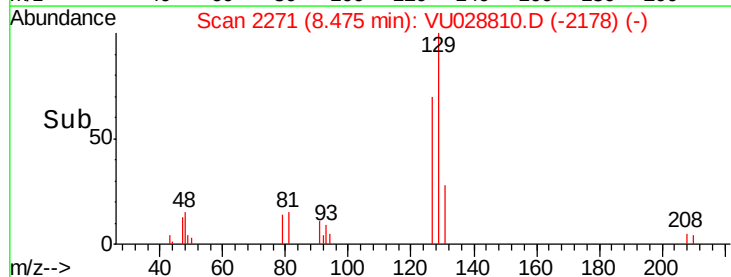
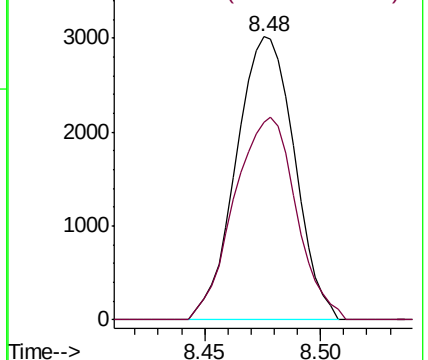


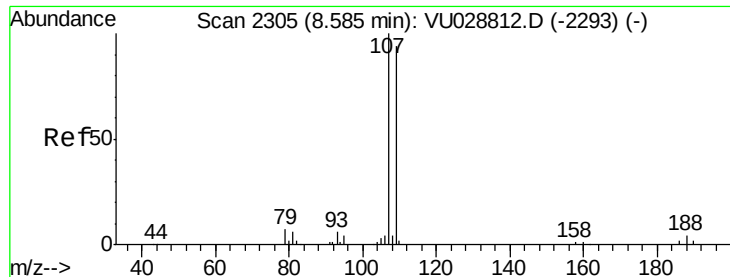
#49
Dibromochloromethane
Concen: 4.341 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

Tgt Ion: 129 Resp: 5248
Ion Ratio Lower Upper
129 100
127 70.0 54.1 100.5



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

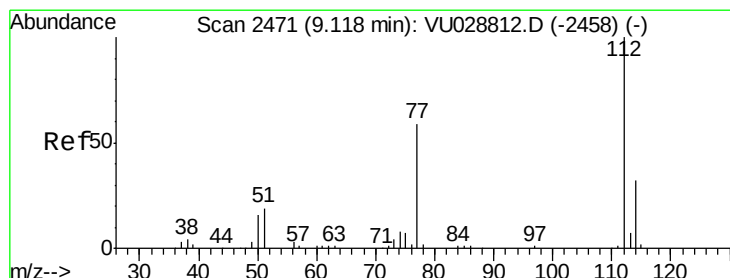
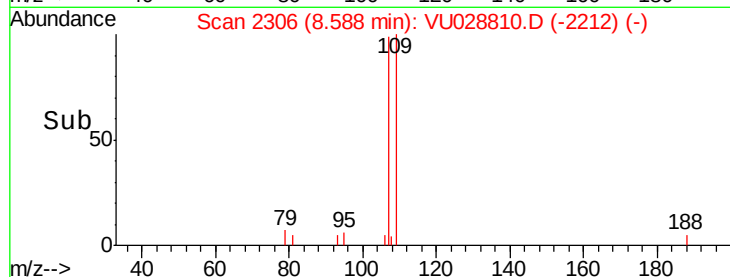
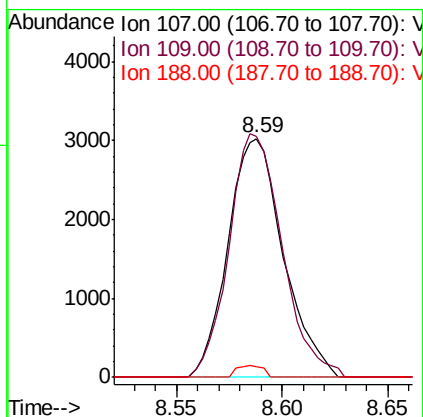
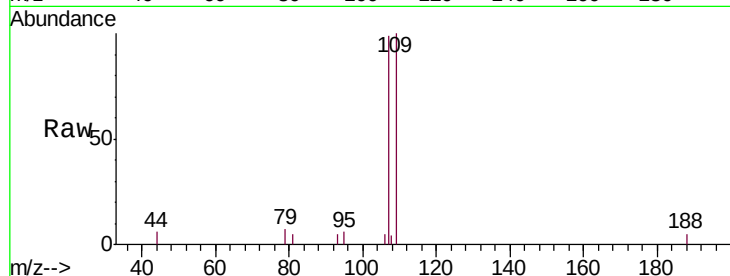




#50
1,2-Dibromoethane
Concen: 4.371 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

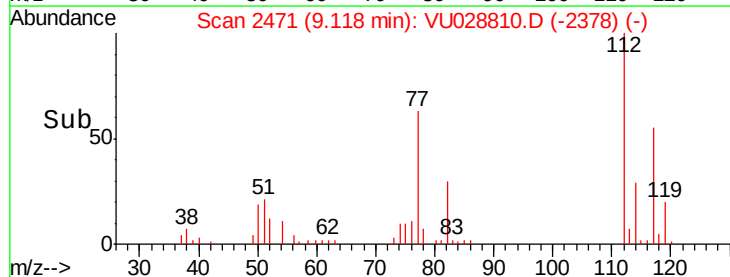
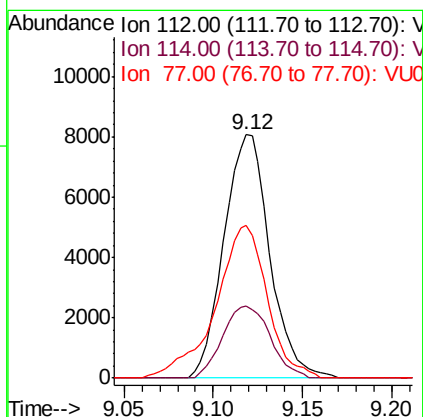
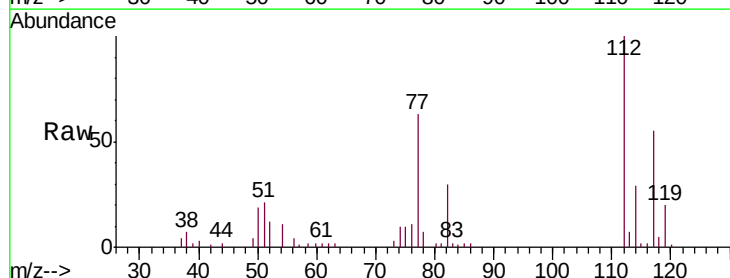
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

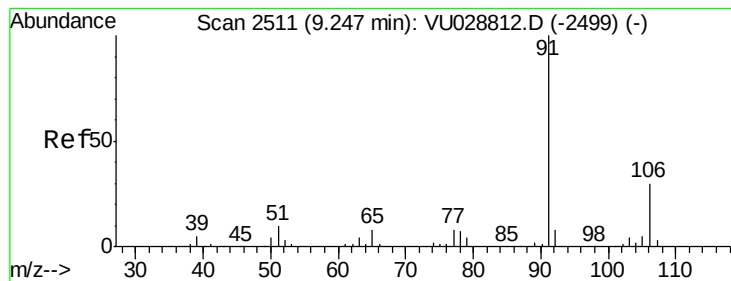
Tgt Ion:107 Resp: 5520
Ion Ratio Lower Upper
107 100
109 101.2 66.0 122.6
188 4.7 3.1 4.7



#51
Chlorobenzene
Concen: 4.450 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028810.D
Acq: 20 Dec 2018 09:21

Tgt Ion:112 Resp: 14440
Ion Ratio Lower Upper
112 100
114 29.4 22.2 41.2
77 62.7 47.8 71.8





#52

Ethylbenzene

Concen: 4.216 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

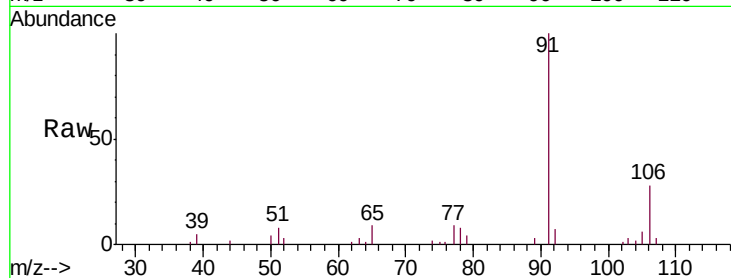
VSTD00555

Tgt Ion: 91 Resp: 23321

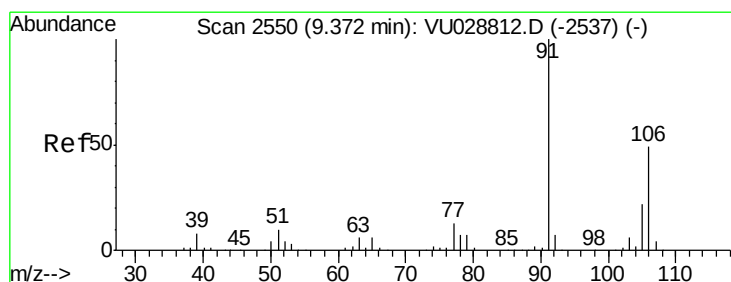
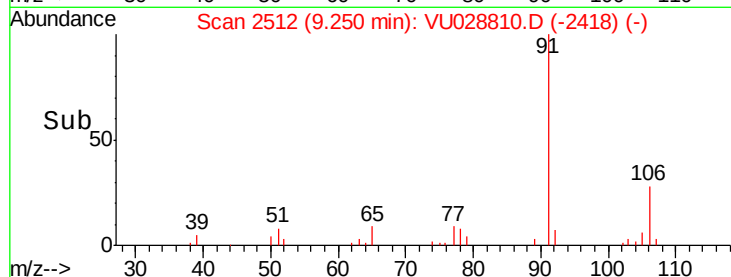
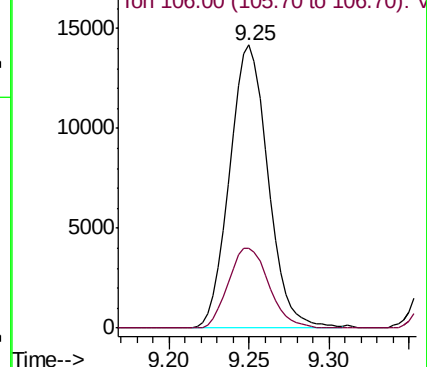
Ion Ratio Lower Upper

91 100

106 28.3 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU028810.D (-2499) (-)



#53

m,p-Xylene

Concen: 4.160 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028810.D

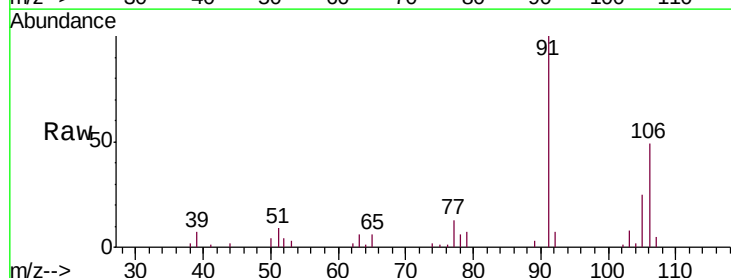
Acq: 20 Dec 2018 09:21

Tgt Ion: 106 Resp: 8509

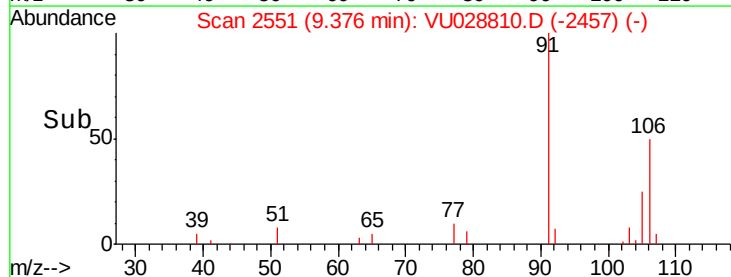
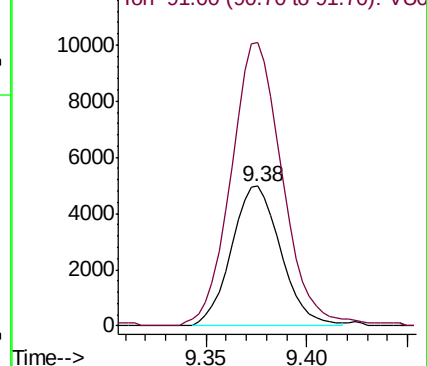
Ion Ratio Lower Upper

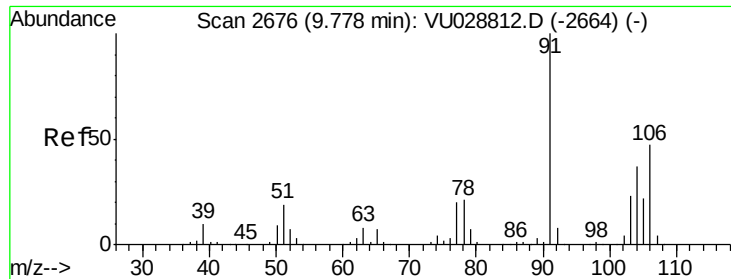
106 100

91 203.0 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU028810.D (-2537) (-)





#54

o-xylene

Concen: 4.277 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

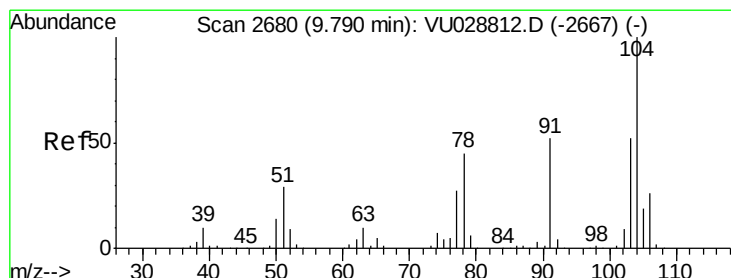
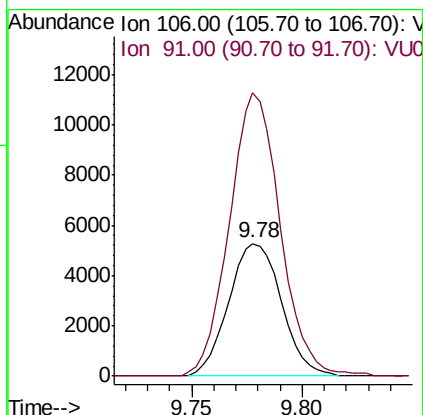
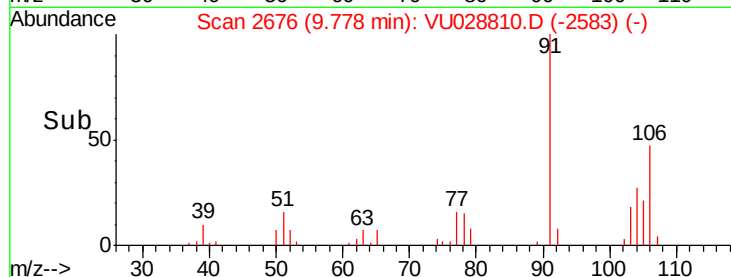
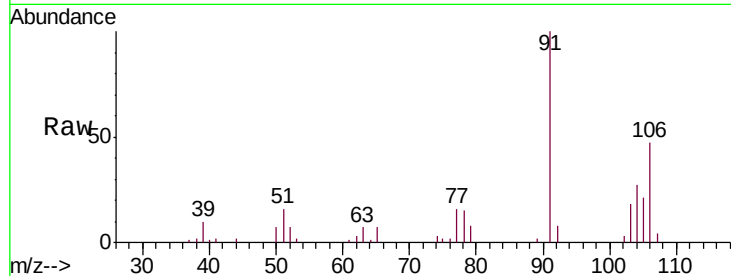
VSTD00555

Tgt Ion:106 Resp: 8768

Ion Ratio Lower Upper

106 100

91 213.3 150.4 279.4



#55

Styrene

Concen: 3.937 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU028810.D

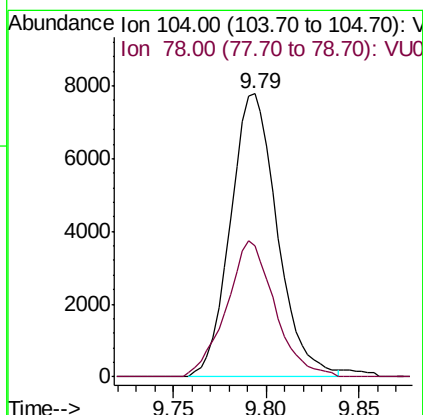
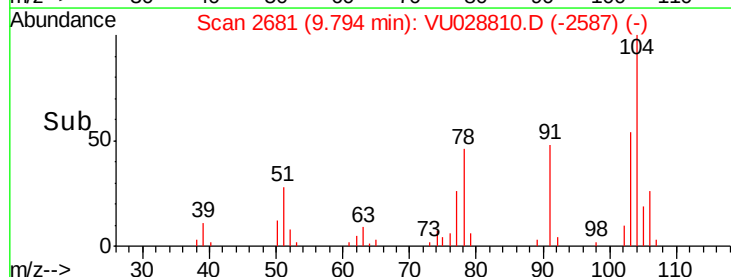
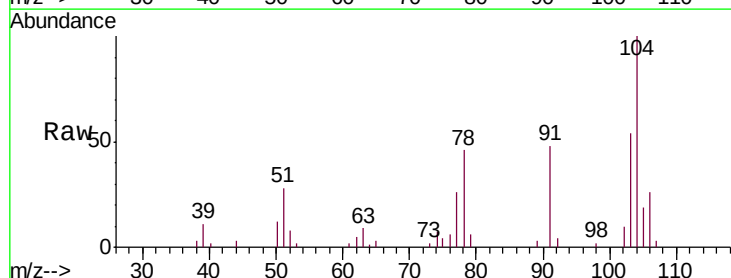
Acq: 20 Dec 2018 09:21

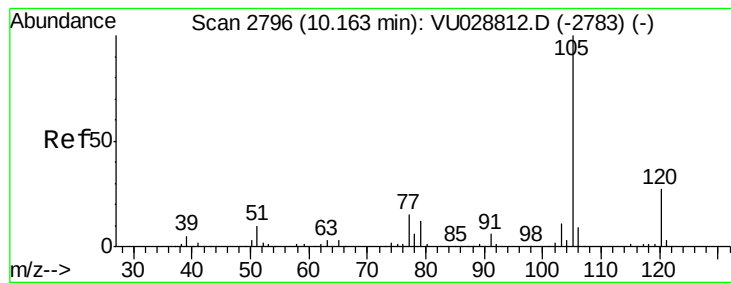
Tgt Ion:104 Resp: 13670

Ion Ratio Lower Upper

104 100

78 46.4 31.3 58.1





#56

Isopropylbenzene

Concen: 4.101 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

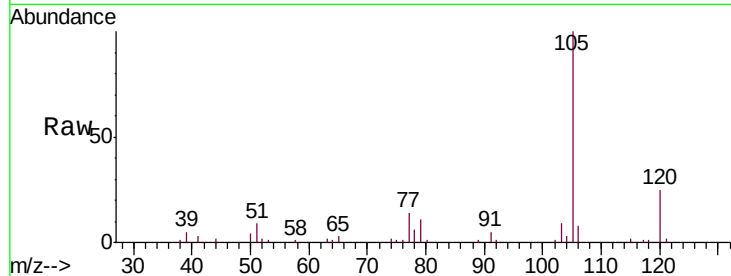
Tgt Ion: 105 Resp: 21327

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.2

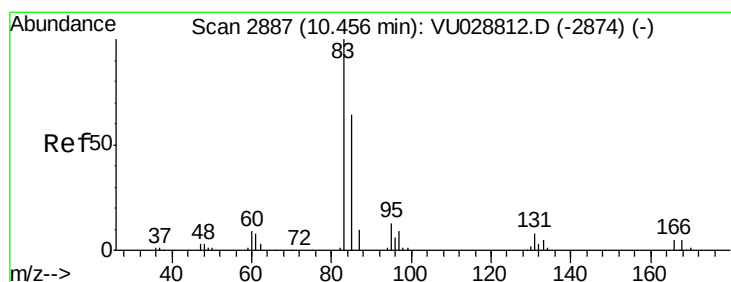
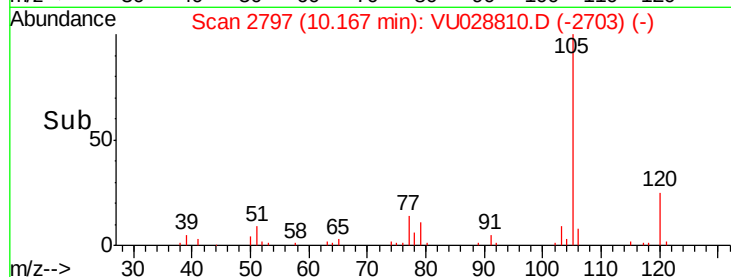
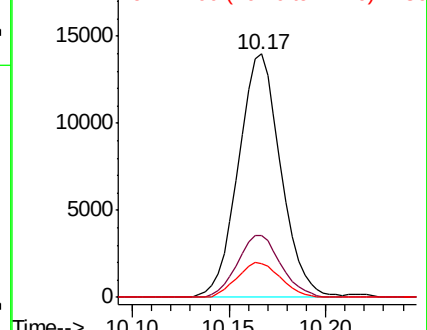
77 14.6 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.276 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

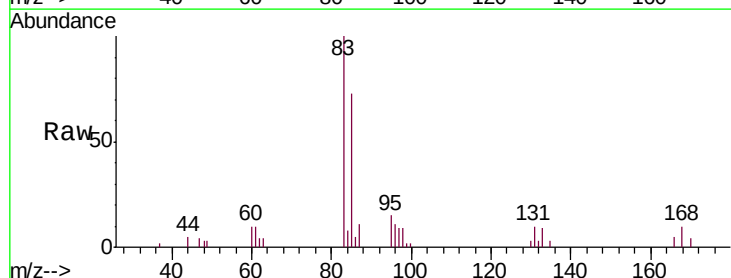
Tgt Ion: 83 Resp: 9429

Ion Ratio Lower Upper

83 100

85 72.8 45.3 84.1

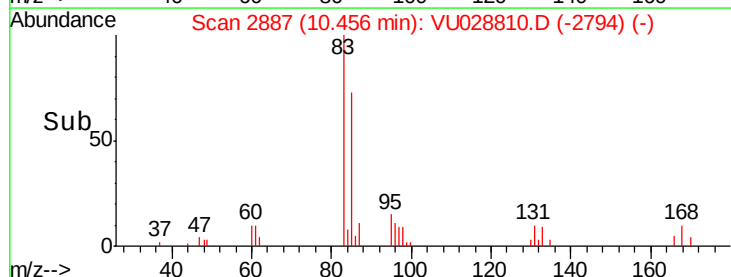
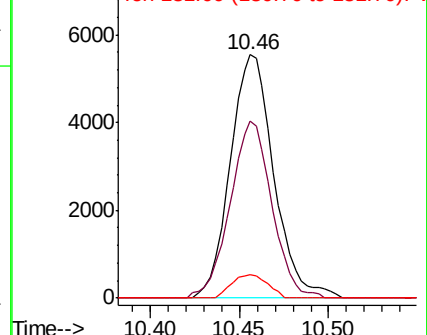
131 9.8 6.7 10.1

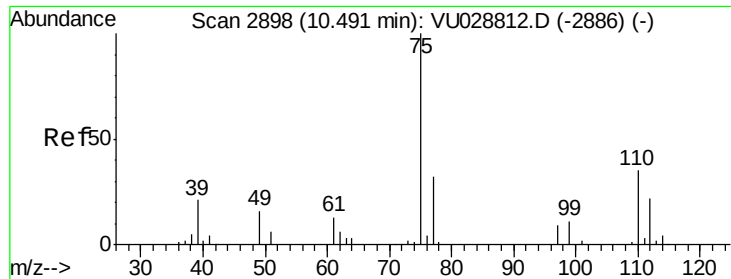


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

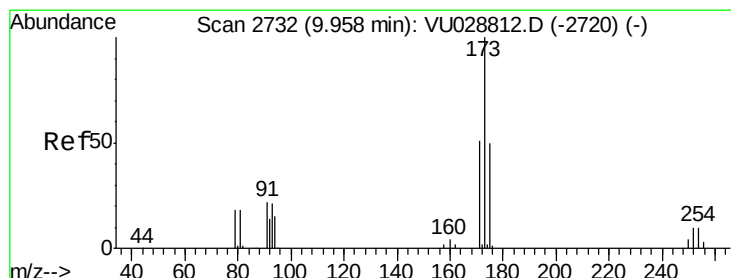
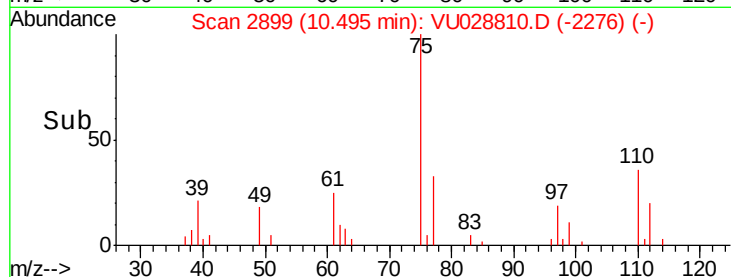
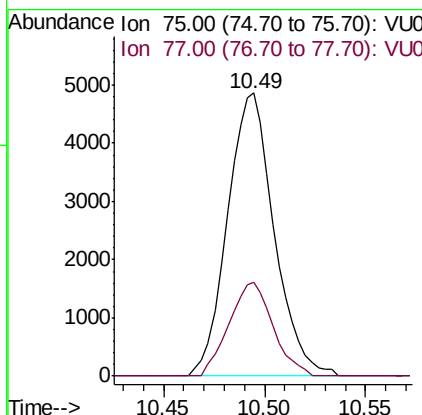
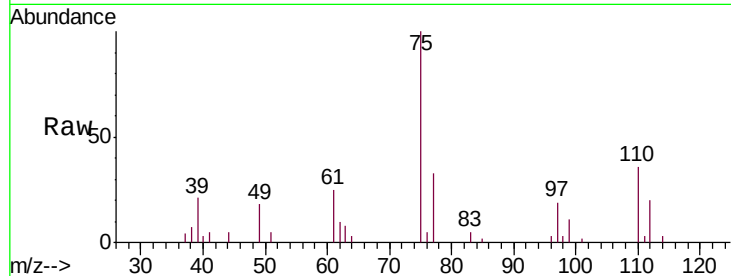




#59
 1,2,3-Trichloropropane
 Concen: 4.640 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

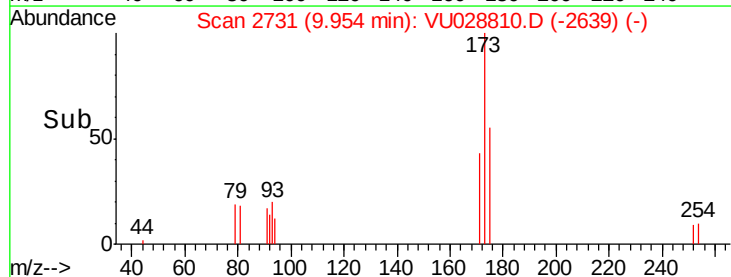
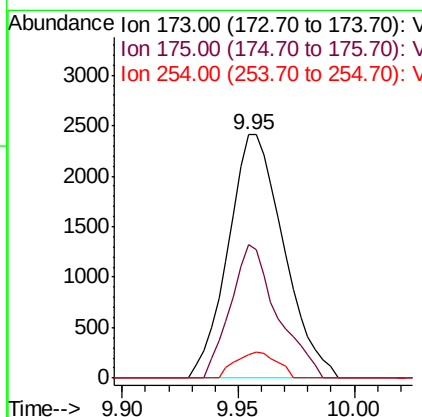
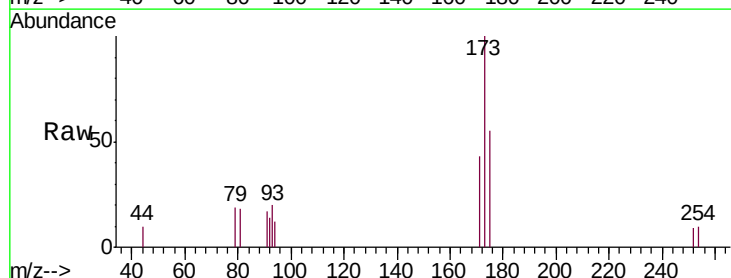
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

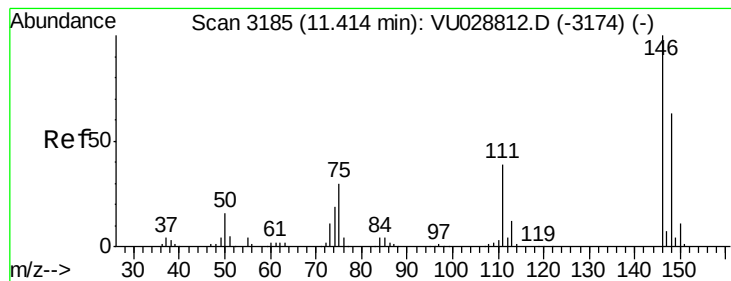
Tgt Ion: 75 Resp: 7861
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.5 38.3



#61
 Bromoform
 Concen: 4.742 ug/L
 RT: 9.95 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Tgt Ion: 173 Resp: 4017
 Ion Ratio Lower Upper
 173 100
 175 45.9 38.9 58.3
 254 8.0 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 4.615 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

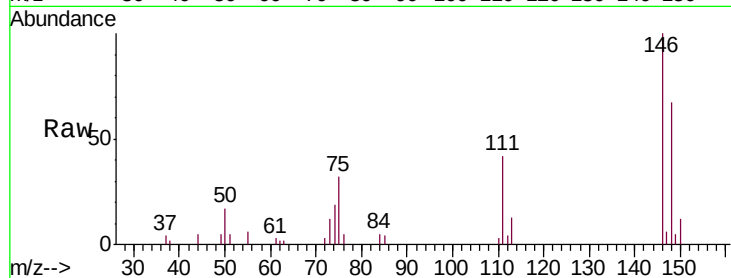
Tgt Ion:146 Resp: 10020

Ion Ratio Lower Upper

146 100

111 41.7 27.4 50.8

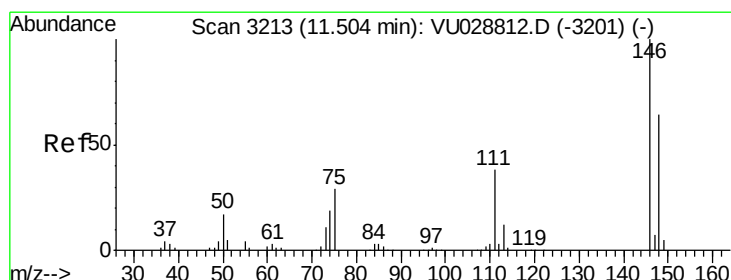
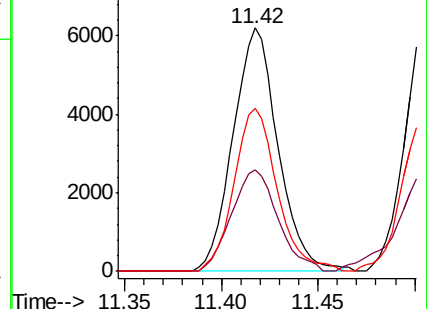
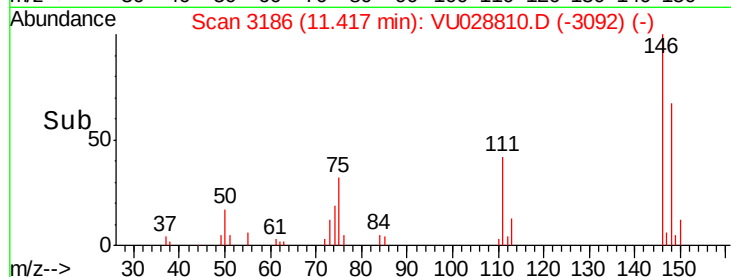
148 67.2 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.719 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

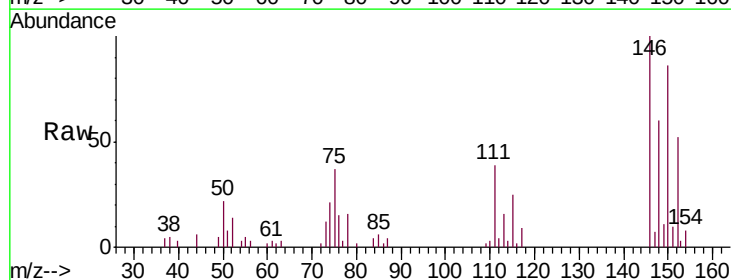
Tgt Ion:146 Resp: 10556

Ion Ratio Lower Upper

146 100

111 39.3 26.5 49.1

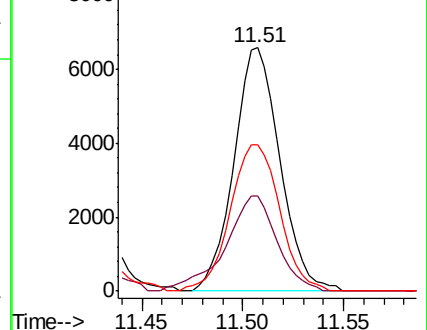
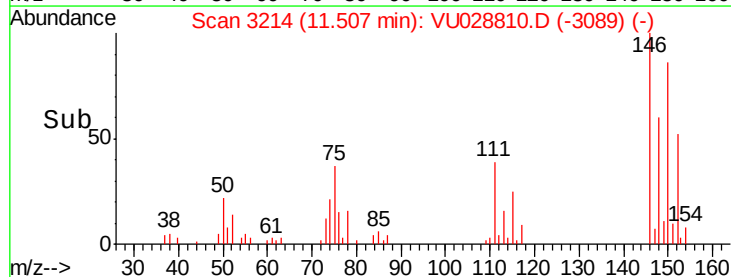
148 60.0 45.1 83.9

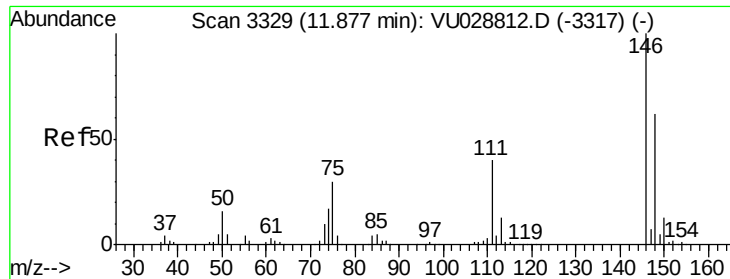


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.634 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

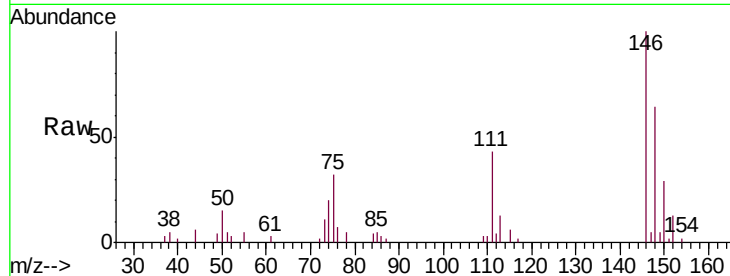
Tgt Ion:146 Resp: 10494

Ion Ratio Lower Upper

146 100

111 43.0 32.1 48.1

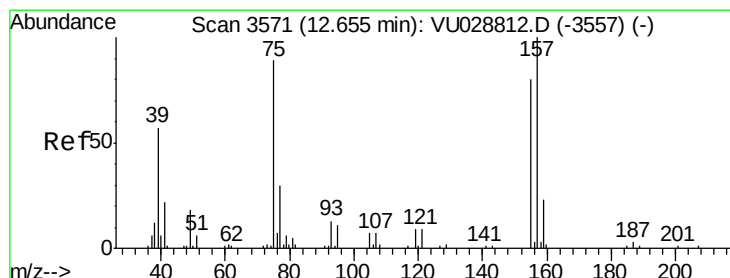
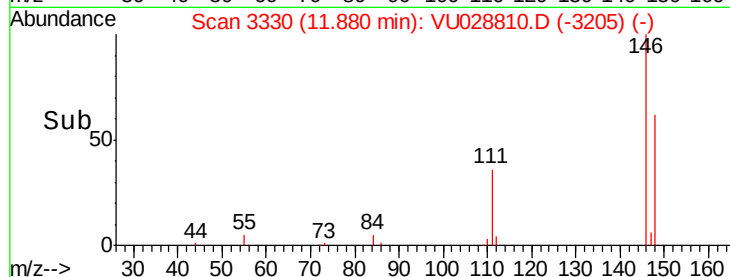
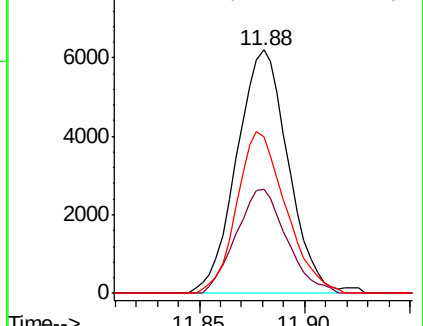
148 64.1 49.7 74.5



Abundance Ion 146.00 (145.70 to 146.70): 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: 4.644 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

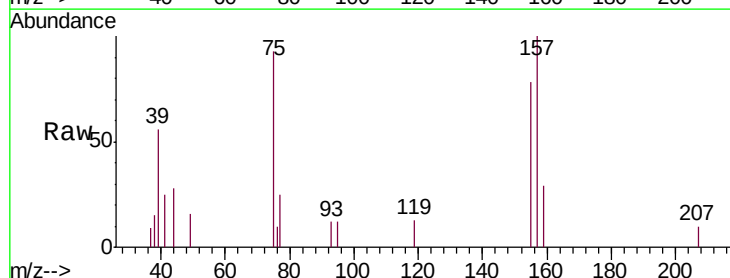
Tgt Ion: 75 Resp: 1814

Ion Ratio Lower Upper

75 100

155 83.4 71.4 107.2

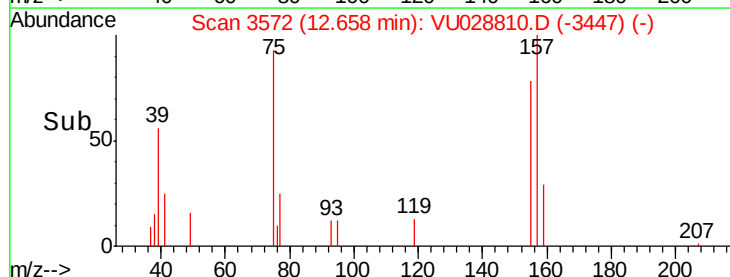
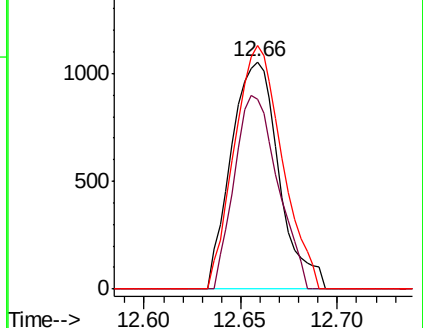
157 107.0 89.6 134.4

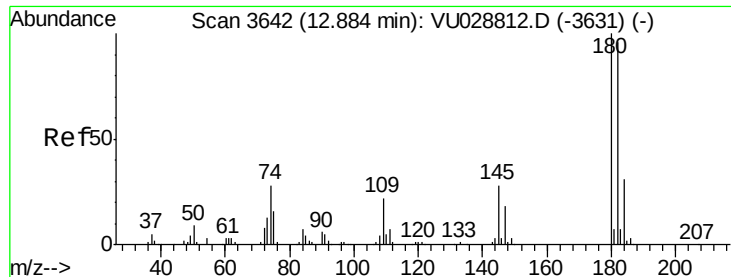


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

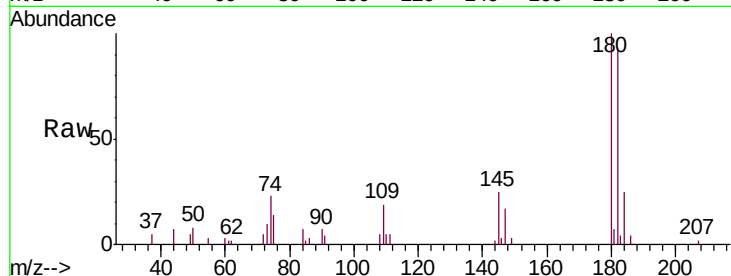




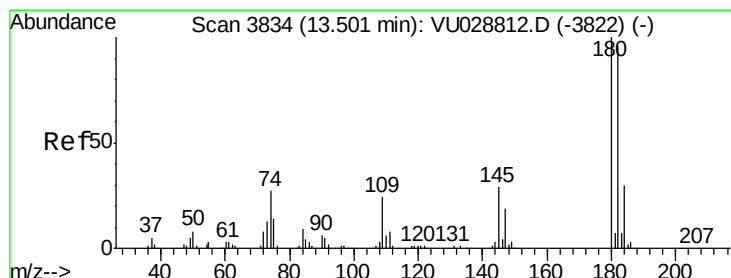
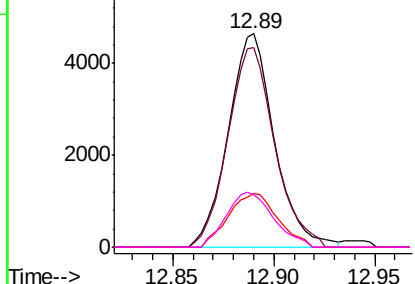
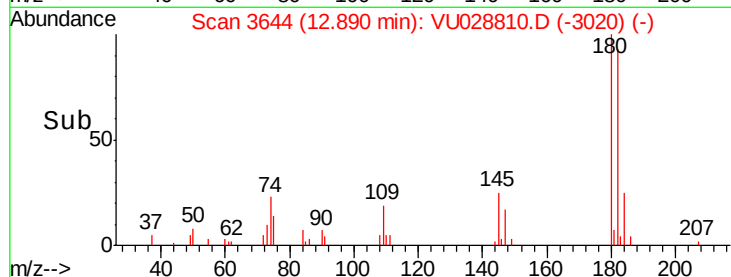
#67
 1,3,5-Trichlorobenzene
 Concen: 4.648 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.01 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

Tgt Ion:	180	Resp:	7440
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
184	27.0	24.6	36.8
145	26.3	22.1	33.1

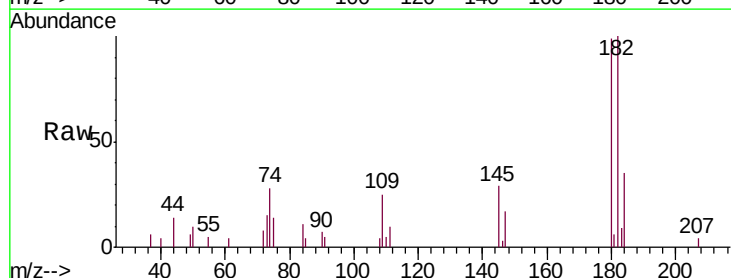


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

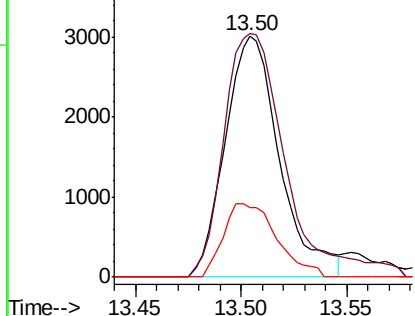
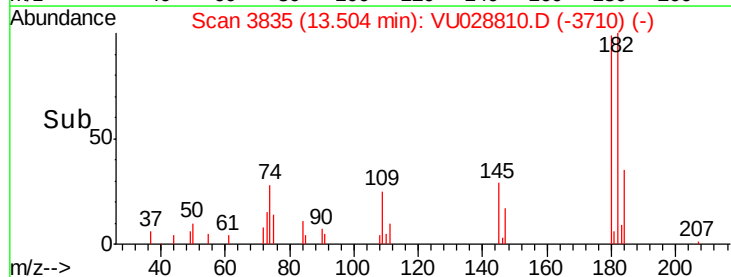


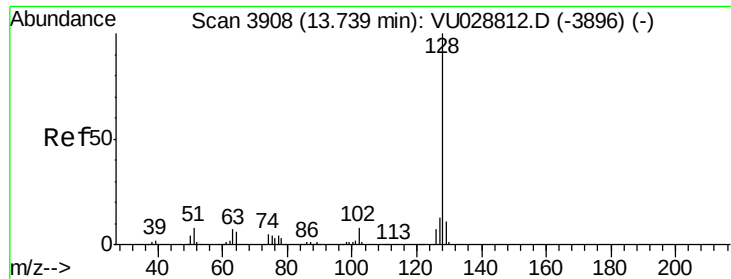
#68
 1,2,4-trichlorobenzene
 Concen: 4.031 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028810.D
 Acq: 20 Dec 2018 09:21

Tgt Ion:	180	Resp:	5403
Ion	Ratio	Lower	Upper
180	100		
182	114.6	77.4	116.0
145	29.7	23.5	35.3



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





#69

Naphthalene

Concen: 4.511 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

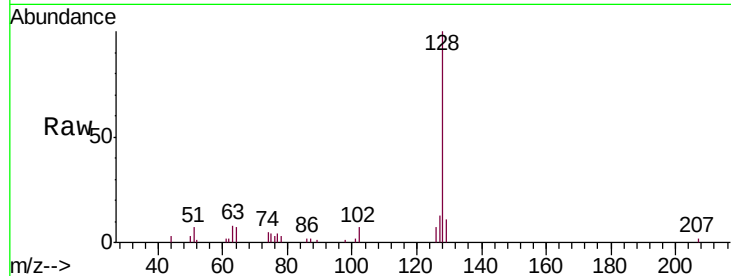
Tgt Ion:128 Resp: 20991

Ion Ratio Lower Upper

128 100

127 11.1 10.5 15.7

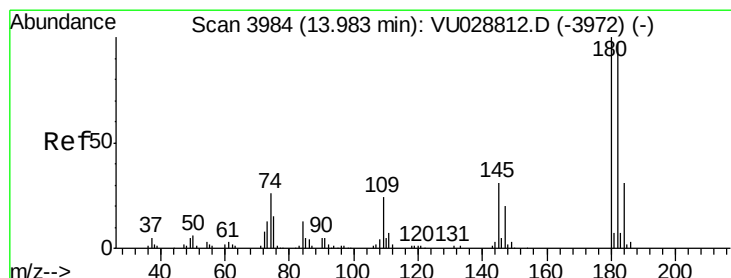
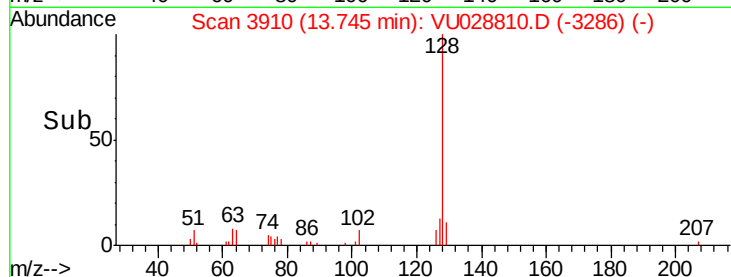
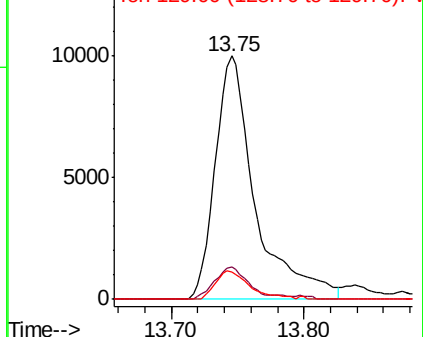
129 10.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.589 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.01 min

Lab File: VU028810.D

Acq: 20 Dec 2018 09:21

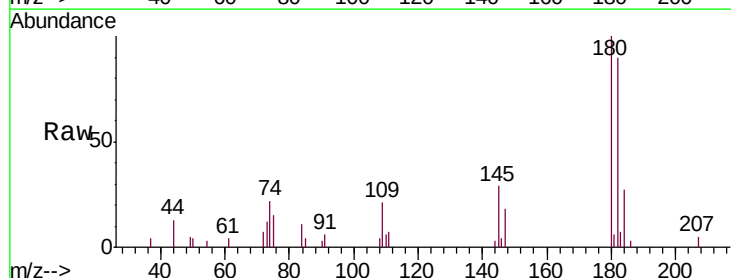
Tgt Ion:180 Resp: 6633

Ion Ratio Lower Upper

180 100

182 99.1 75.8 113.8

145 30.1 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

