

Data File : VU028969.D
Acq On : 27 Dec 2018 16:51
Operator : MD/SY
Sample : VSTD01044
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

Quant Time: Dec 28 02:10:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 28 02:05:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	135211	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	129862	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65795	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70982	9.81	ug/L	0.00
7) Chloroethane-d5	1.68	69	63839	10.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	148311	9.68	ug/L	0.00
20) 2-Butanone-d5	4.19	46	201004	106.28	ug/L	0.00
24) Chloroform-d	4.65	84	142739	10.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	70124	9.77	ug/L	0.00
32) Benzene-d6	5.34	84	296491	9.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	97157	10.01	ug/L	0.00
41) Toluene-d8	7.56	98	276680	9.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	37242	10.21	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	171634	103.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	77673	10.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	106468	9.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	112876	9.532 ug/L	99
3) Chloromethane	1.32	50	125564	9.502 ug/L	100
5) Vinyl chloride	1.40	62	129329	9.579 ug/L	98
6) Bromomethane	1.62	94	58734	9.397 ug/L	98
8) Chloroethane	1.70	64	74929	9.725 ug/L	99
9) Trichlorofluoromethane	1.88	101	144713	9.373 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	92722	9.306 ug/L	99
12) 1,1-Dichloroethene	2.29	96	89862	9.276 ug/L	99
13) Acetone	2.32	43	141871	92.935 ug/L	99
14) Carbon disulfide	2.48	76	324047	9.573 ug/L	99
15) Methyl Acetate	2.62	43	38820	8.679 ug/L	99
16) Methylene chloride	2.70	84	106349	7.668 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	226391	9.517 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	97226	9.142 ug/L	98
19) 1,1-Dichloroethane	3.44	63	172468	9.551 ug/L	98
21) 2-Butanone	4.28	43	229149	100.332 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	105519	9.590 ug/L	97
23) Bromochloromethane	4.55	128	43220	9.680 ug/L	95
25) Chloroform	4.67	83	164954	9.614 ug/L	100
27) 1,2-Dichloroethane	5.40	62	98429	9.698 ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	133976	9.394 ug/L	99
30) Cyclohexane	4.99	56	159574	9.338 ug/L	99
31) Carbon tetrachloride	5.13	117	108889	9.589 ug/L	97
33) Benzene	5.39	78	391827	9.436 ug/L	100
34) Trichloroethene	6.18	95	99485	9.370 ug/L	97
35) Methylcyclohexane	6.41	83	170508	9.349 ug/L	100
37) 1,2-Dichloropropane	6.43	63	100114	9.464 ug/L	99
38) Bromodichloromethane	6.76	83	114531	9.616 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	145993	9.625 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	553431	98.316 ug/L	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	414945	9.335	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	116594	9.864	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	68032	9.450	ug/L	96
47) Tetrachloroethene	8.22	164	82538	9.386	ug/L	98
48) 2-Hexanone	8.36	43	389066	99.919	ug/L	100
49) Dibromochloromethane	8.48	129	74339	9.726	ug/L	100
50) 1,2-Dibromoethane	8.58	107	65866	9.781	ug/L	98
51) Chlorobenzene	9.12	112	261928	9.395	ug/L	98
52) Ethylbenzene	9.25	91	454178	9.631	ug/L	98
53) m,p-xylene	9.37	106	174306	9.713	ug/L	98
54) o-xylene	9.78	106	168183	9.655	ug/L	100
55) Styrene	9.79	104	287755	9.925	ug/L	99
56) Isopropylbenzene	10.16	105	443057	9.644	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	84466	9.584	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	59740	9.687	ug/L	99
61) Bromoform	9.96	173	42816	9.537	ug/L	95
62) 1,3-Dichlorobenzene	11.41	146	211028	9.489	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	210680	9.283	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	196859	9.353	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	11980	9.641	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	166798	9.692	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	145646	10.155	ug/L	99
69) Naphthalene	13.74	128	255789	10.427	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	133360	9.749	ug/L	99

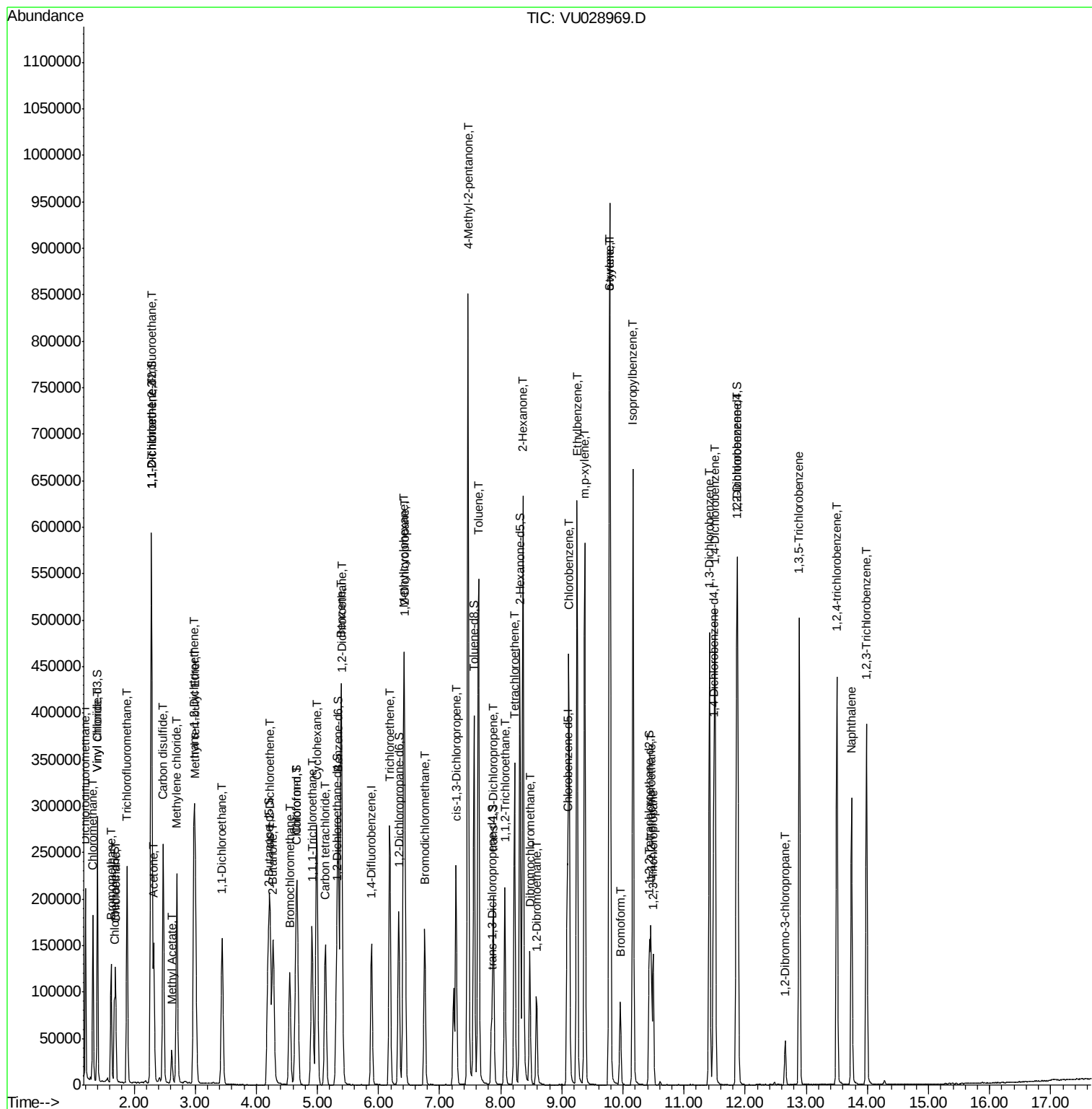
(#) = qualifier out of range (m) = manual integration (+) = signals summed

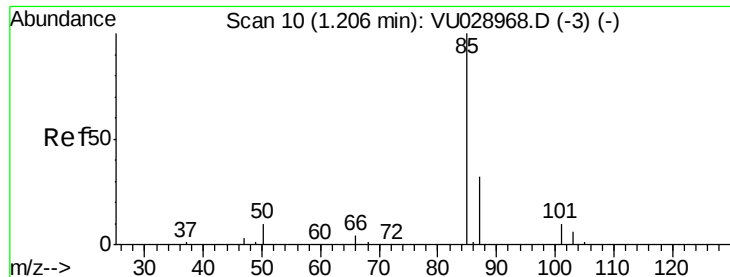
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#2

Dichlorodifluoromethane

Concen: 9.532 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

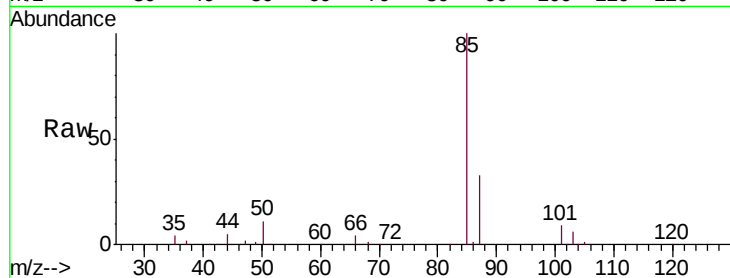
VSTD01044

Tgt Ion: 85 Resp: 112876

Ion Ratio Lower Upper

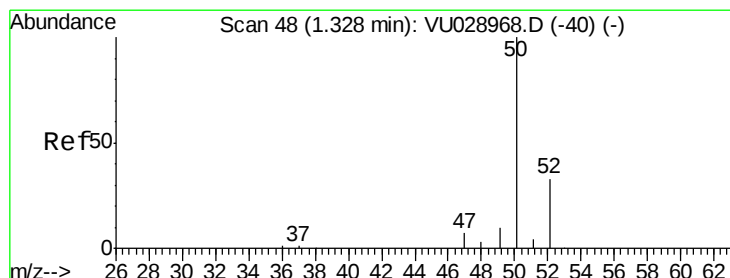
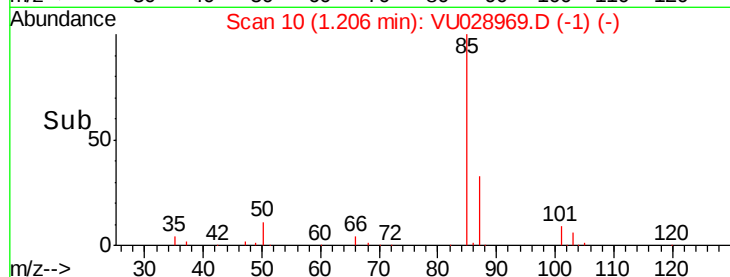
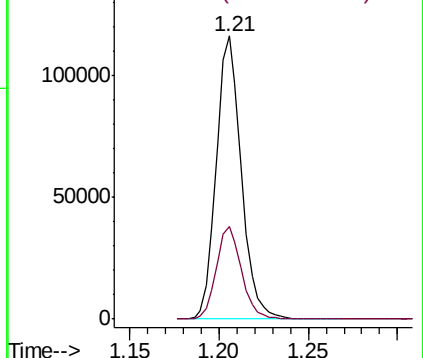
85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 9.502 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028969.D

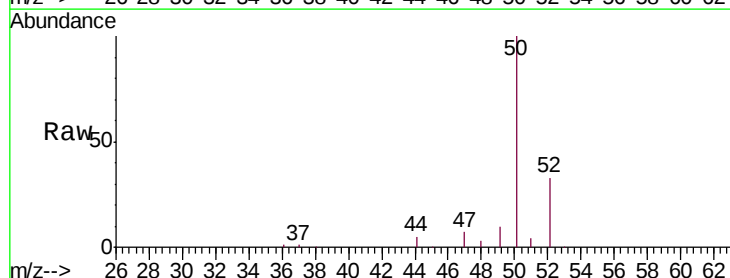
Acq: 27 Dec 2018 16:51

Tgt Ion: 50 Resp: 125564

Ion Ratio Lower Upper

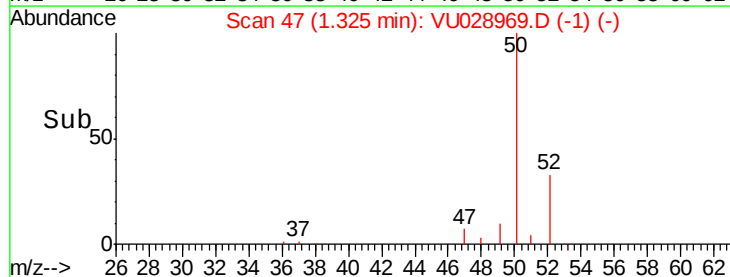
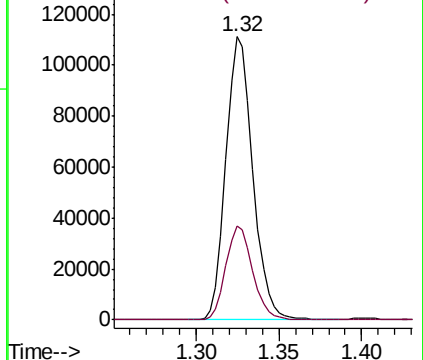
50 100

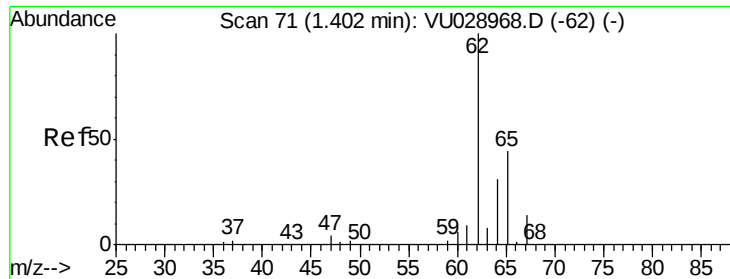
52 33.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 9.579 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

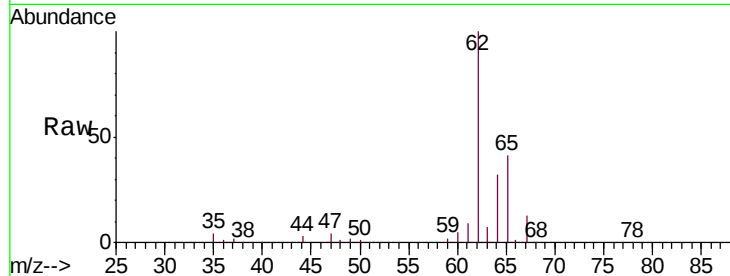
VSTD01044

Tgt Ion: 62 Resp: 129329

Ion Ratio Lower Upper

62 100

64 31.8 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

150000

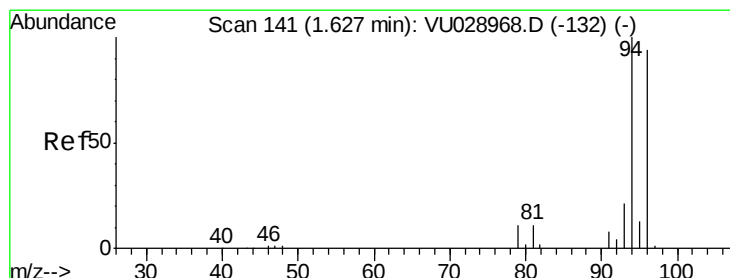
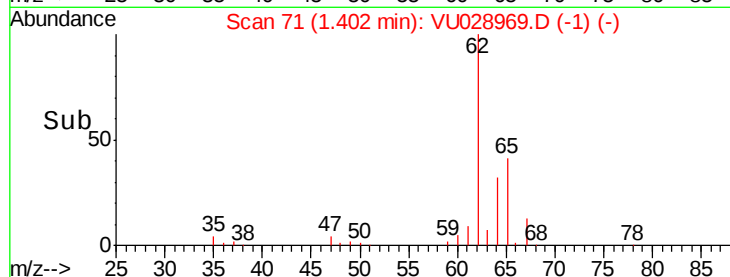
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 9.397 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU028969.D

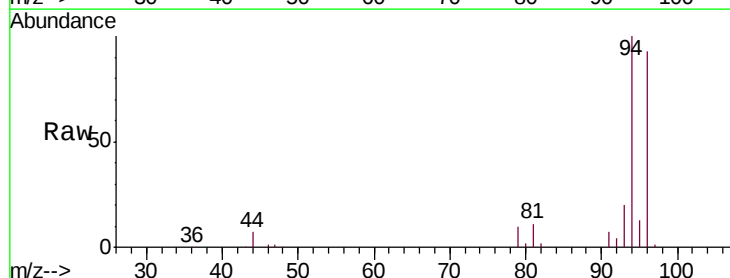
Acq: 27 Dec 2018 16:51

Tgt Ion: 94 Resp: 58734

Ion Ratio Lower Upper

94 100

96 92.6 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

50000

40000

30000

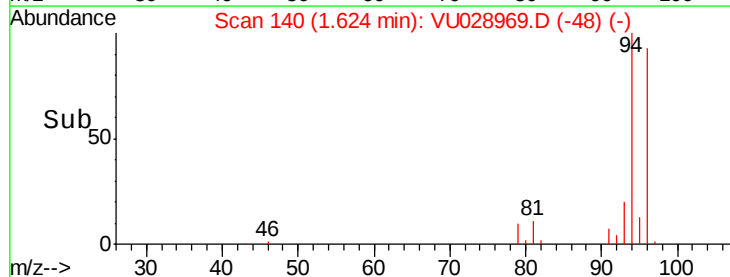
20000

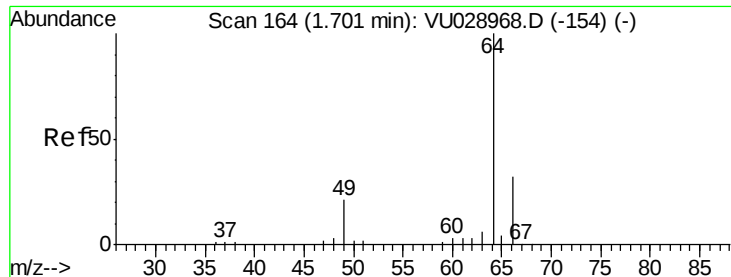
10000

0

Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 9.725 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

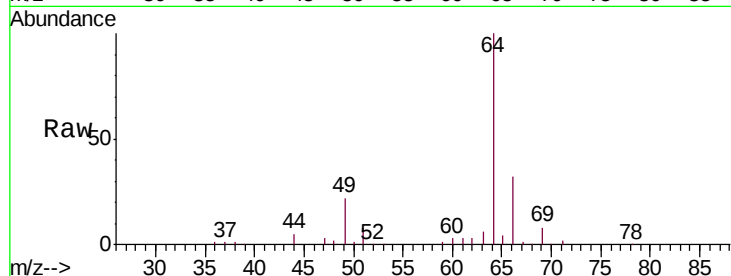
VSTD01044

Tgt Ion: 64 Resp: 74929

Ion Ratio Lower Upper

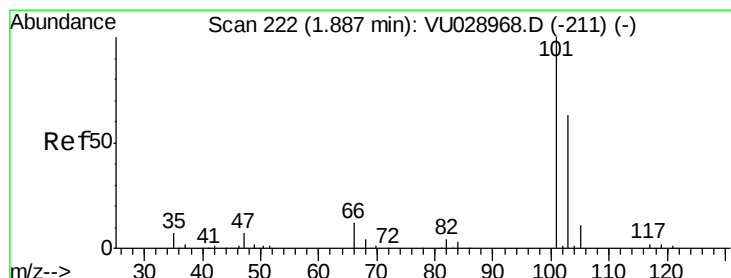
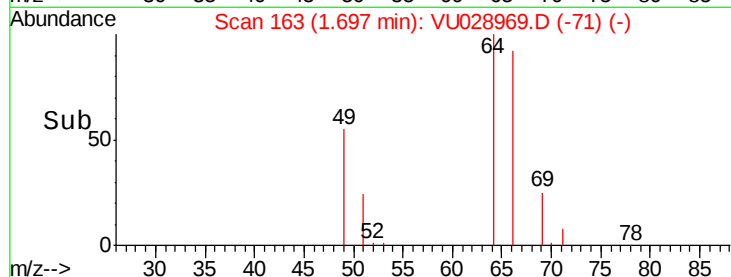
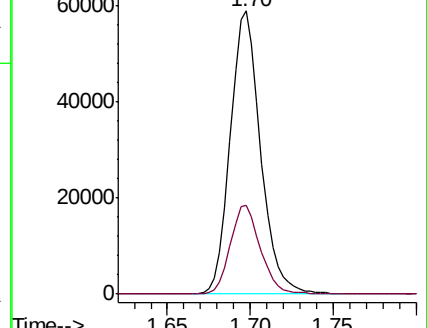
64 100

66 31.6 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU028968.D (-154) (-)

Ion 66.05 (65.75 to 66.75): VU028969.D (-71) (-)



#9

Trichlorofluoromethane

Concen: 9.373 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU028969.D

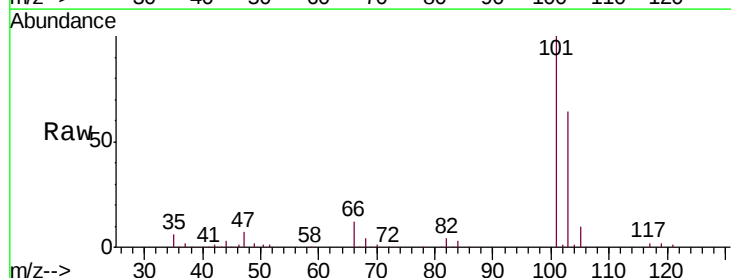
Acq: 27 Dec 2018 16:51

Tgt Ion: 101 Resp: 144713

Ion Ratio Lower Upper

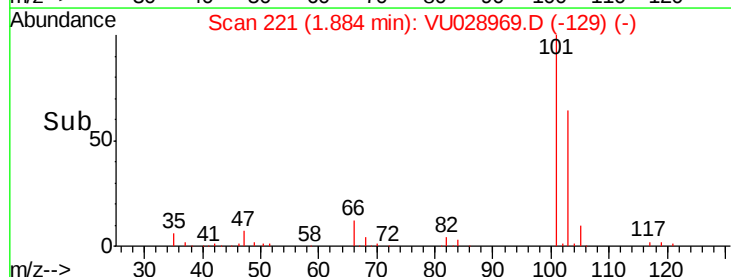
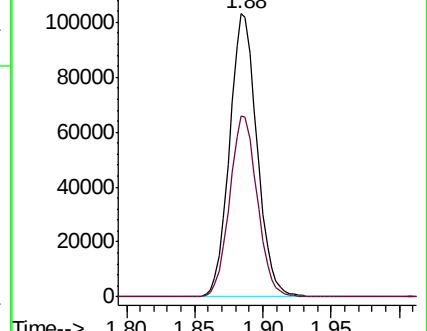
101 100

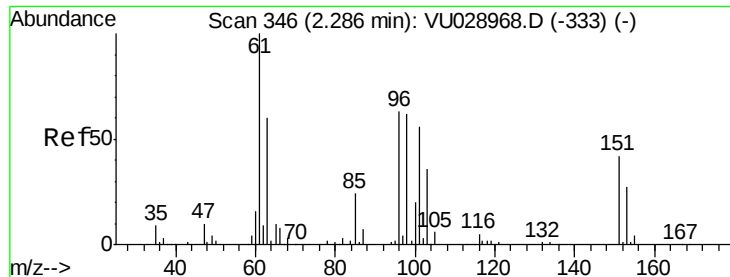
103 64.4 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU028968.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU028969.D (-129) (-)





#10

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

Concen: 9.306 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

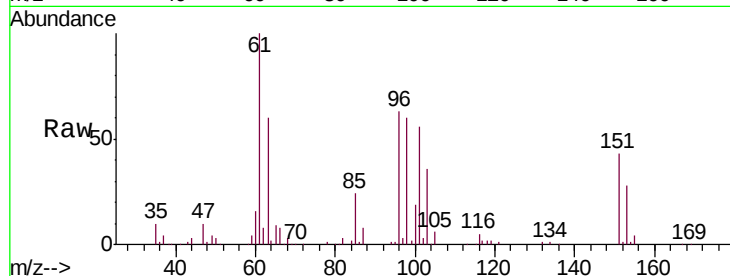
Tgt Ion: 101 Resp: 92722

Ion Ratio Lower Upper

101 100

85 41.5 33.8 50.6

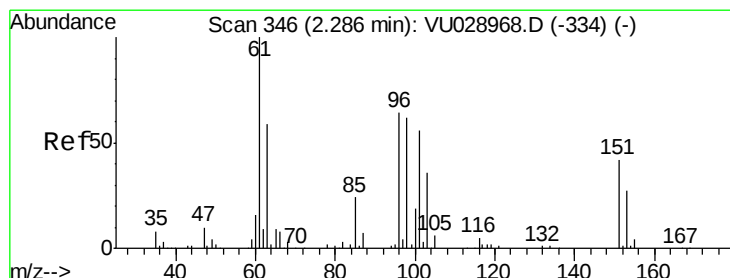
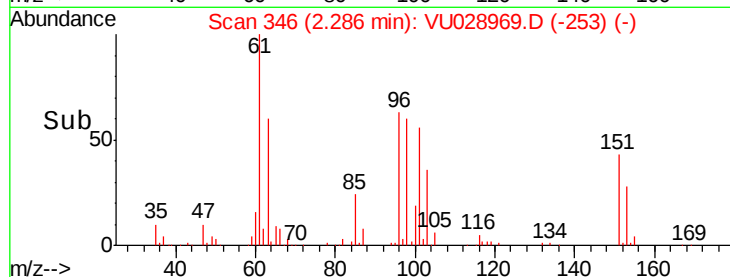
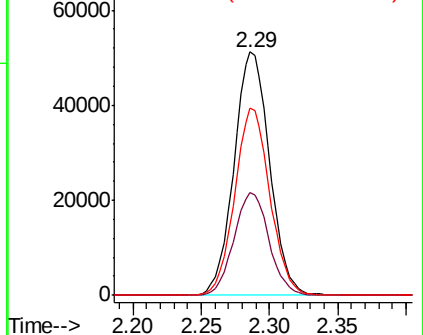
151 75.7 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.276 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

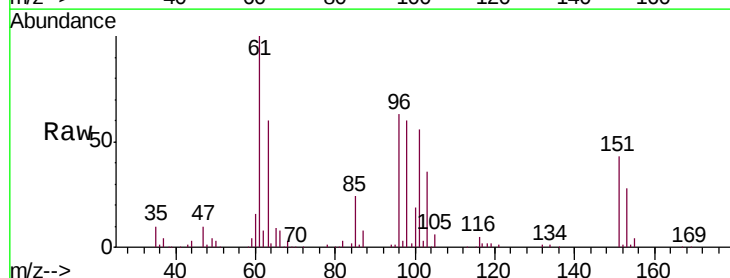
Tgt Ion: 96 Resp: 89862

Ion Ratio Lower Upper

96 100

61 157.5 110.5 205.3

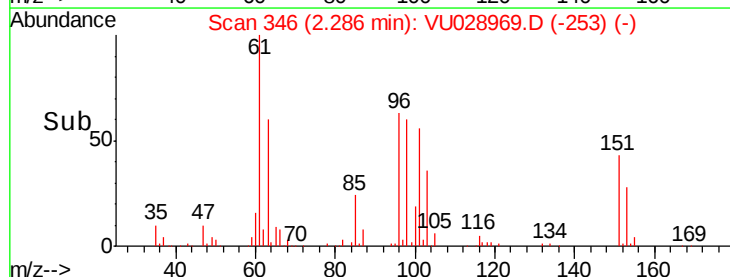
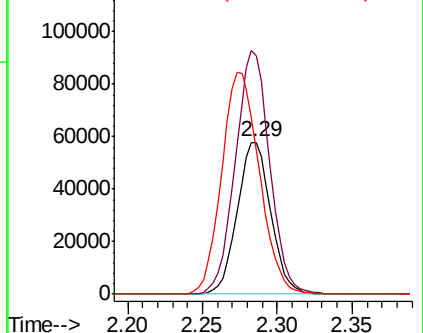
63 94.4 67.6 125.6

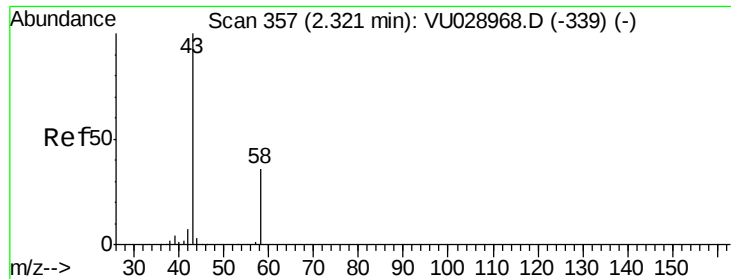


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.935 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

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ClientSampleId :

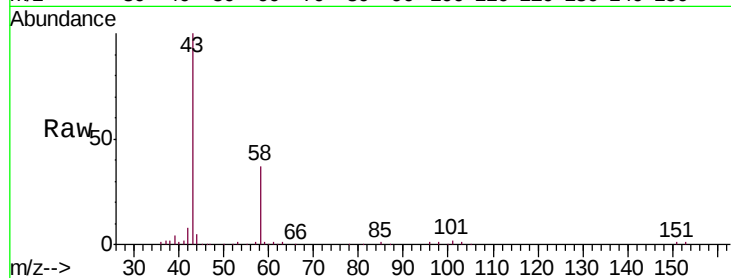
VSTD01044

Tgt Ion: 43 Resp: 141871

Ion Ratio Lower Upper

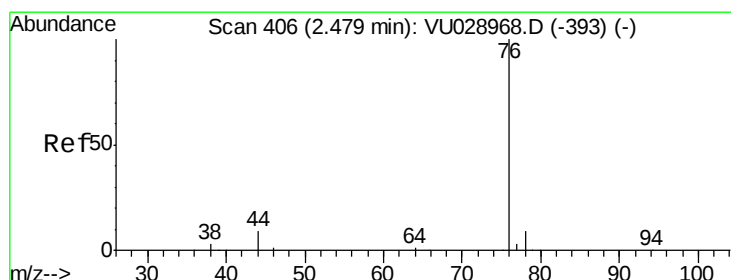
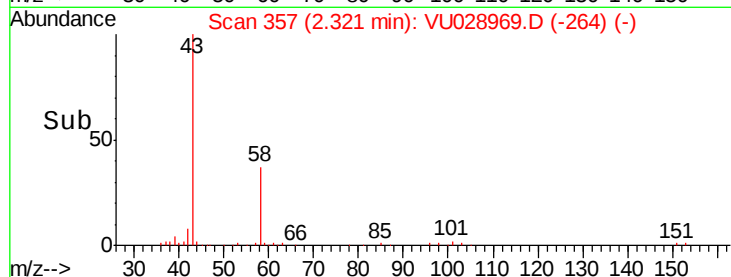
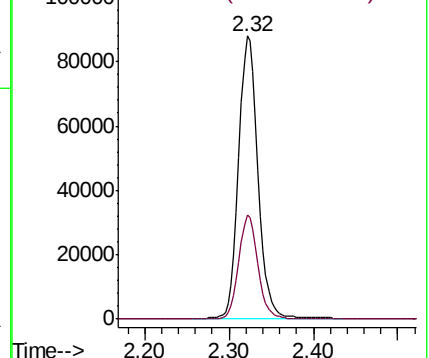
43 100

58 36.4 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU028968.D (-339) (-)

Ion 58.05 (57.75 to 58.75): VU028969.D (-264) (-)



#14

Carbon disulfide

Concen: 9.573 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028969.D

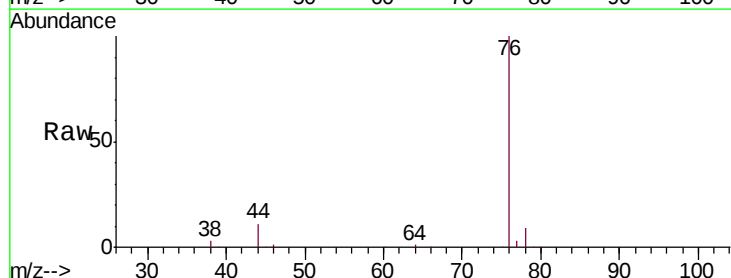
Acq: 27 Dec 2018 16:51

Tgt Ion: 76 Resp: 324047

Ion Ratio Lower Upper

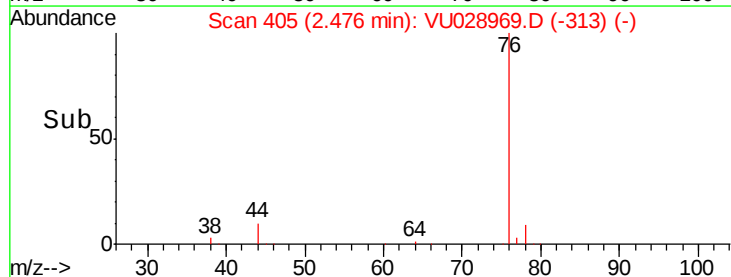
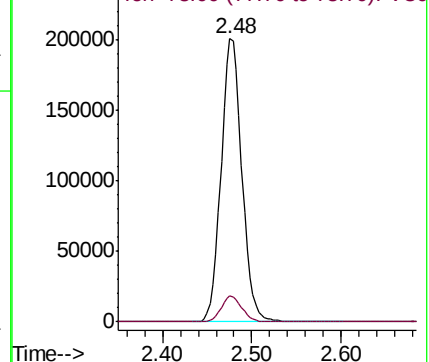
76 100

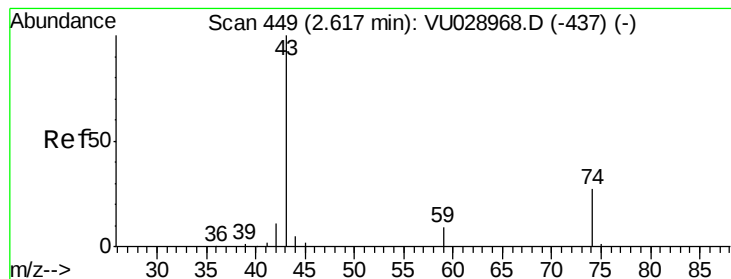
78 9.1 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU028968.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU028969.D (-313) (-)





#15

Methyl Acetate

Concen: 8.679 ug/L

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

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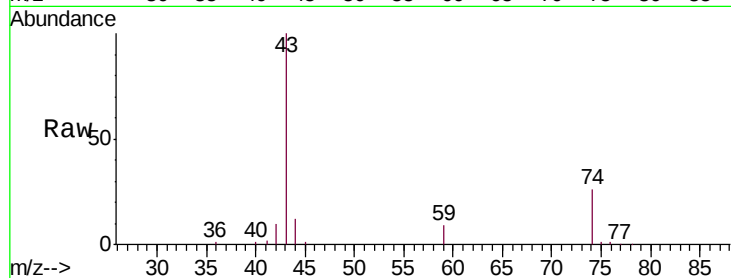
VSTD01044

Tgt Ion: 43 Resp: 38820

Ion Ratio Lower Upper

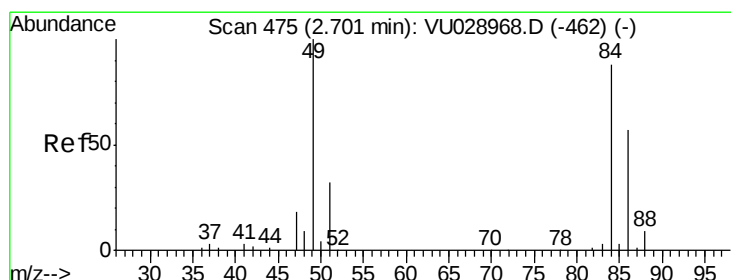
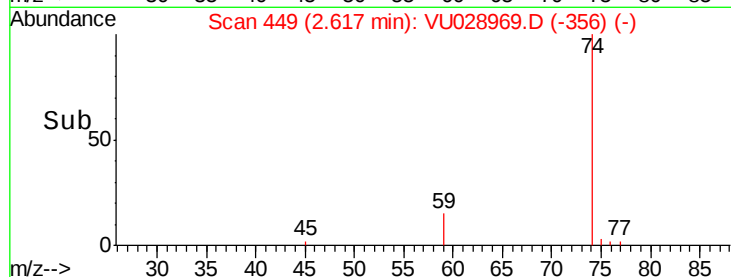
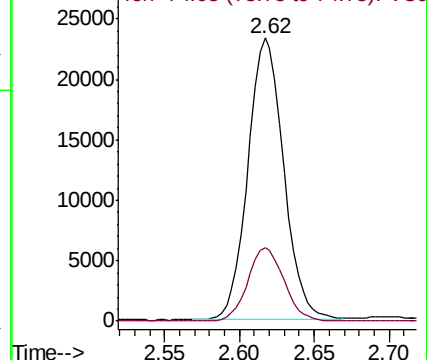
43 100

74 26.3 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU028968.D (-437) (-)

Ion 74.05 (73.75 to 74.75): VU028968.D (-437) (-)



#16

Methylene chloride

Concen: 7.668 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

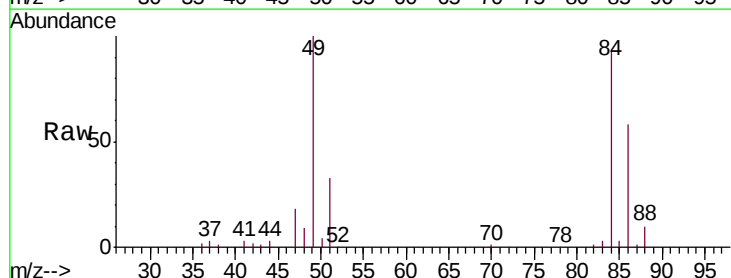
Tgt Ion: 84 Resp: 106349

Ion Ratio Lower Upper

84 100

86 62.5 45.6 84.6

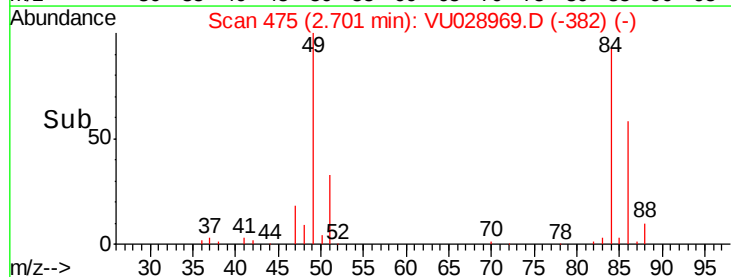
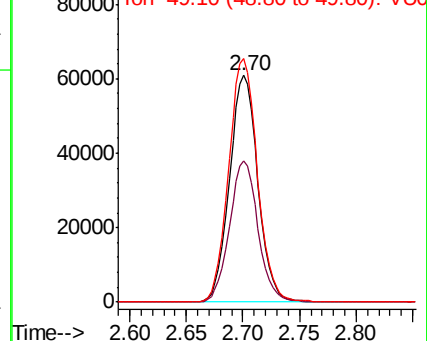
49 107.3 79.7 148.1

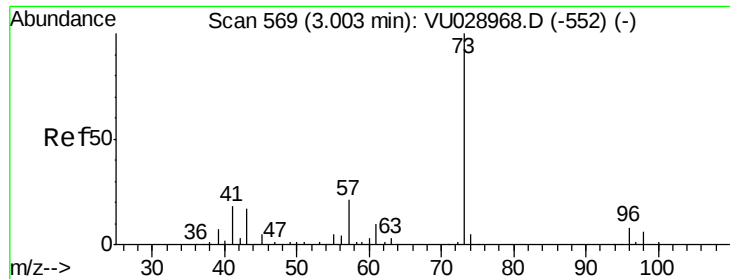


Abundance Ion 84.05 (83.75 to 84.75): VU028968.D (-462) (-)

Ion 86.00 (85.70 to 86.70): VU028968.D (-462) (-)

Ion 49.10 (48.80 to 49.80): VU028968.D (-462) (-)

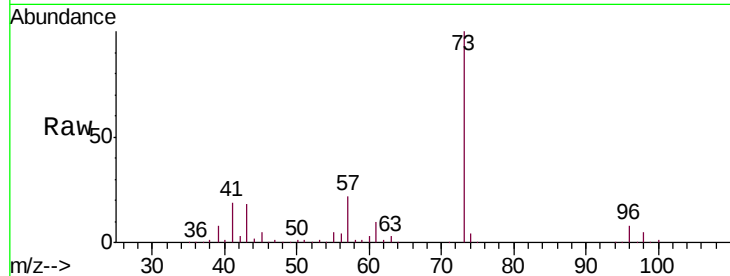




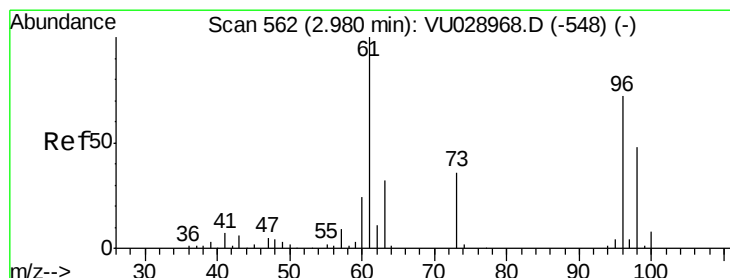
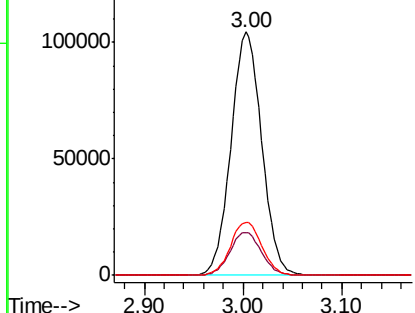
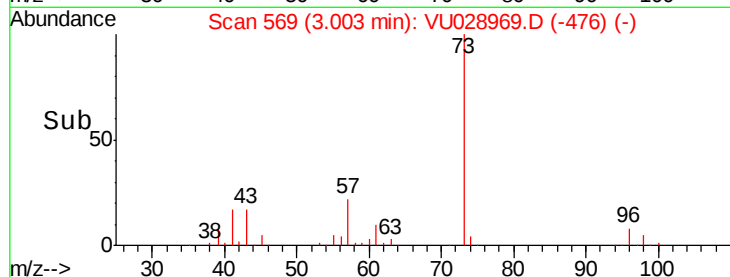
#17
Methyl tert-butyl Ether
Concen: 9.517 ug/L
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU028969.D
Acq: 27 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

Tgt Ion: 73 Resp: 226391
Ion Ratio Lower Upper
73 100
43 18.2 13.8 20.8
57 22.3 17.5 26.3

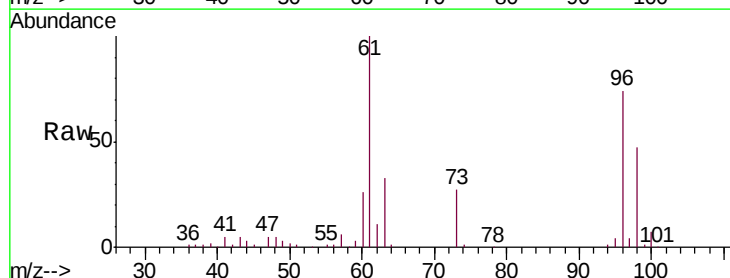


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

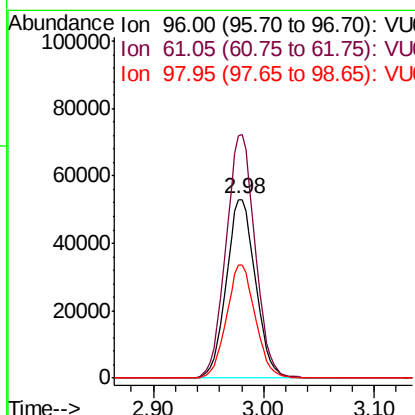
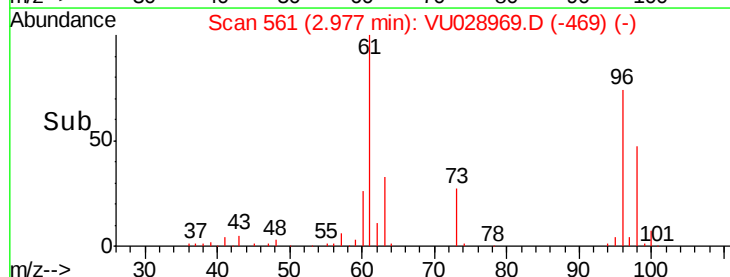


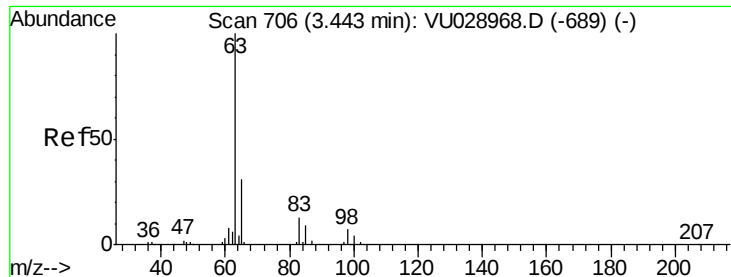
#18
trans-1,2-Dichloroethene
Concen: 9.142 ug/L
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028969.D
Acq: 27 Dec 2018 16:51

Tgt Ion: 96 Resp: 97226
Ion Ratio Lower Upper
96 100
61 135.6 96.6 179.4
98 63.1 46.0 85.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

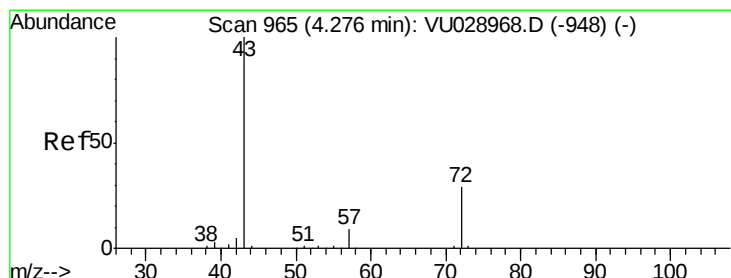
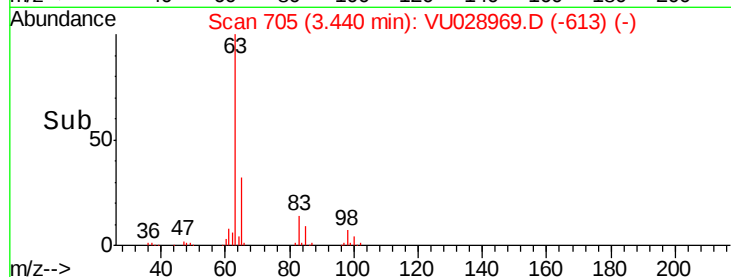
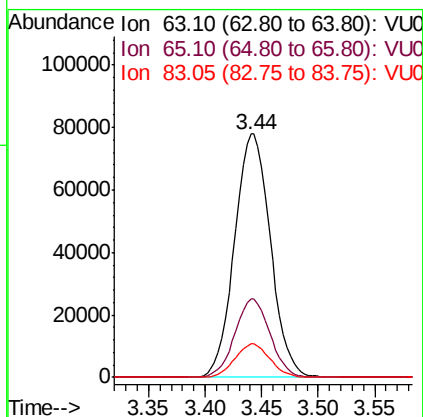
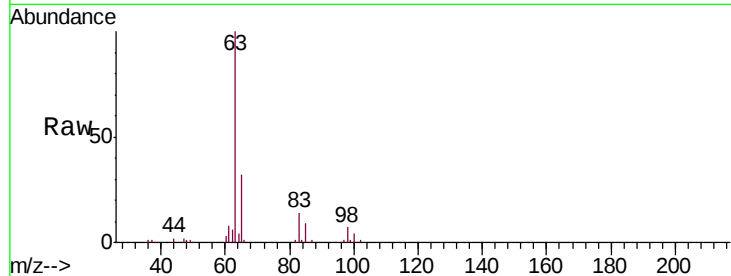




#19
 1,1-Dichloroethane
 Concen: 9.551 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

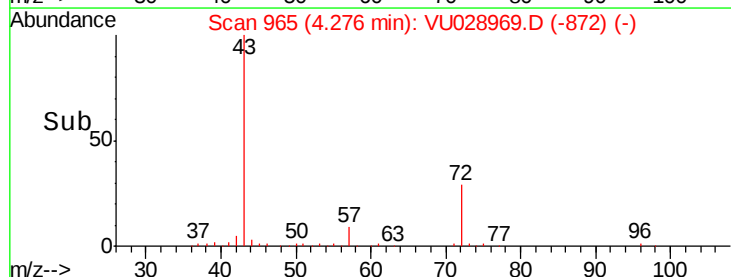
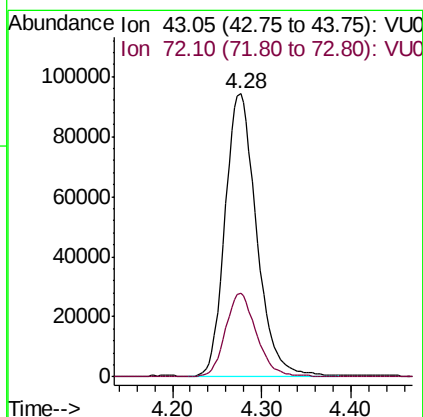
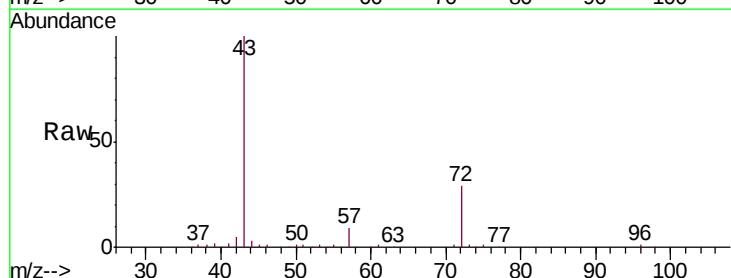
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

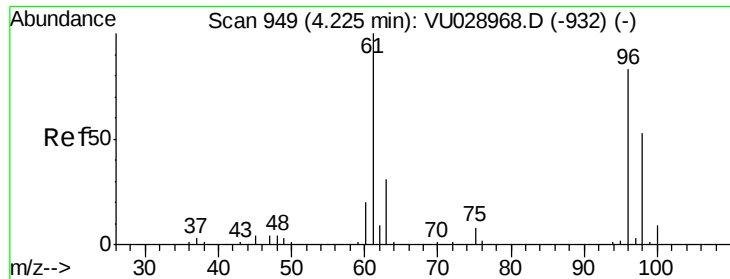
Tgt Ion: 63 Resp: 172468
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.8 40.6
 83 13.7 9.3 17.3



#21
 2-Butanone
 Concen: 100.332 ug/L
 RT: 4.28 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Tgt Ion: 43 Resp: 229149
 Ion Ratio Lower Upper
 43 100
 72 29.7 15.2 45.5



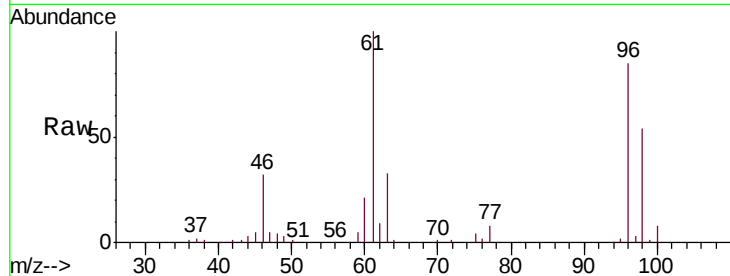


#22

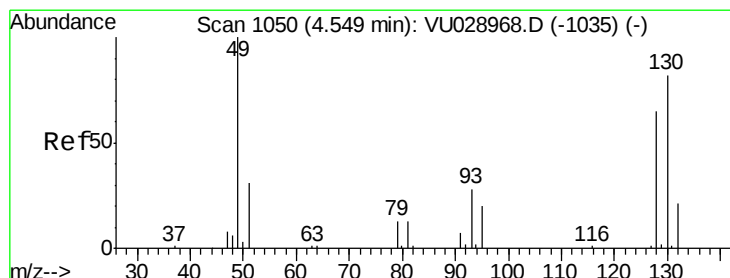
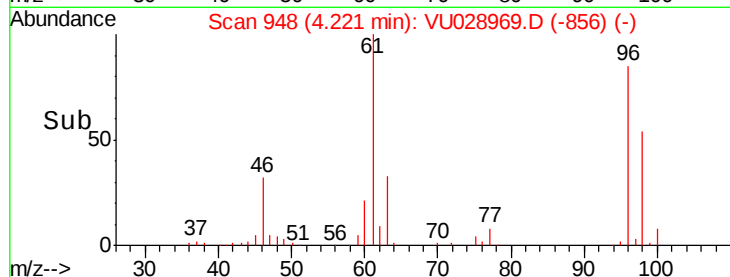
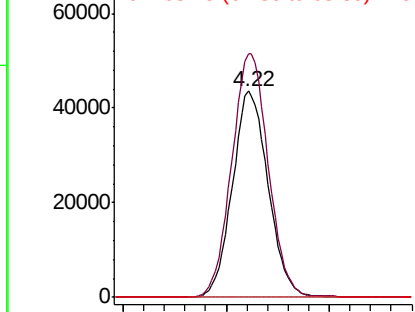
cis-1,2-Dichloroethene
 Concen: 9.590 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

Tgt Ion: 96 Resp: 105519
 Ion Ratio Lower Upper
 96 100
 61 118.1 84.7 157.3
 68 0.0 0.0 0.0



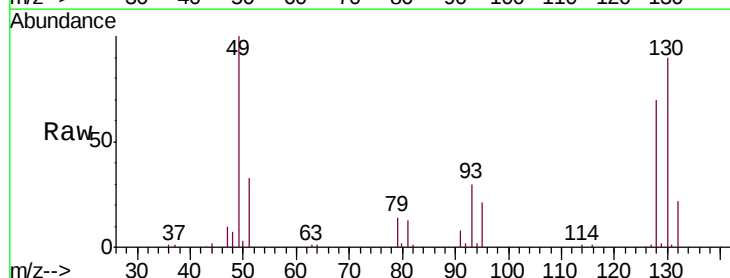
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



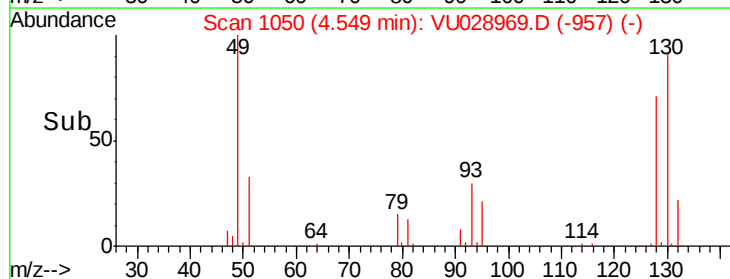
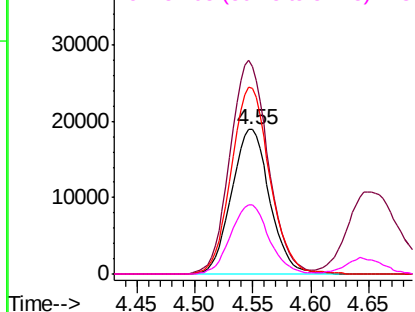
#23

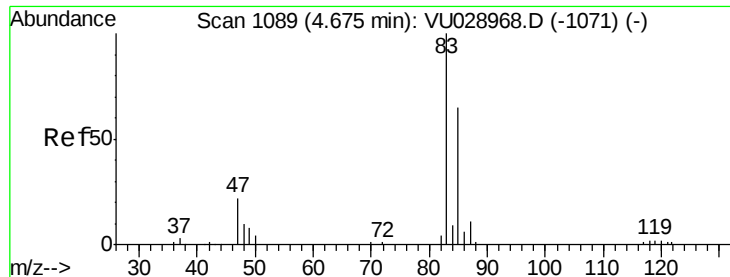
Bromochloromethane
 Concen: 9.680 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Tgt Ion: 128 Resp: 43220
 Ion Ratio Lower Upper
 128 100
 49 143.7 109.3 202.9
 130 129.0 88.7 164.7
 51 47.5 38.8 58.2



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

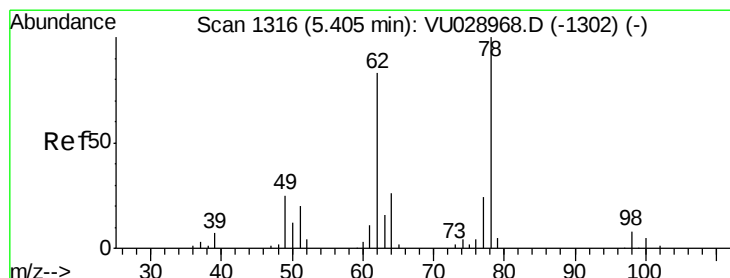
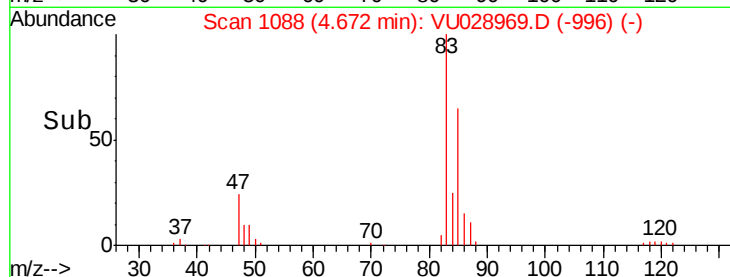
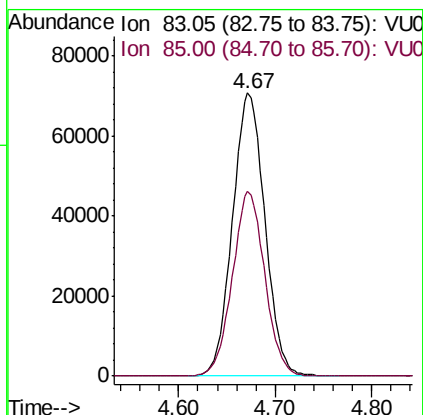
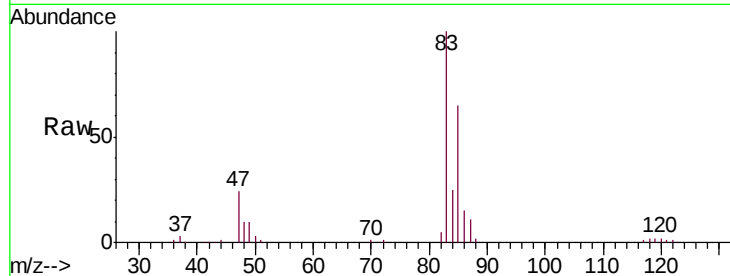




#25
Chloroform
Concen: 9.614 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028969.D
Acq: 27 Dec 2018 16:51

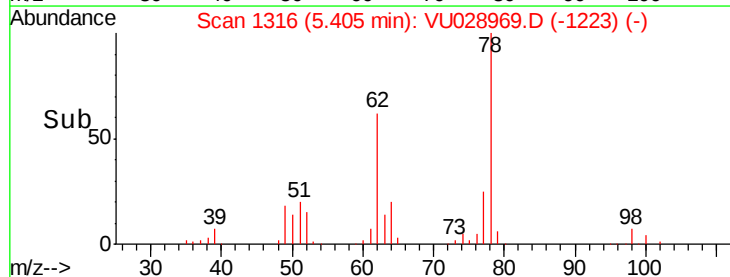
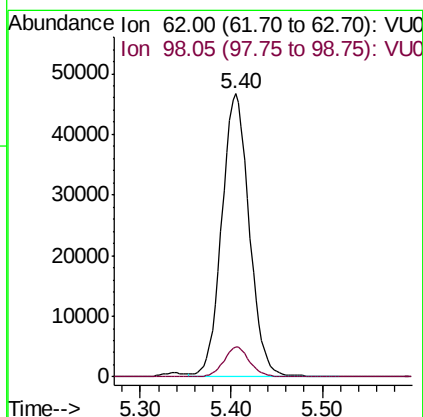
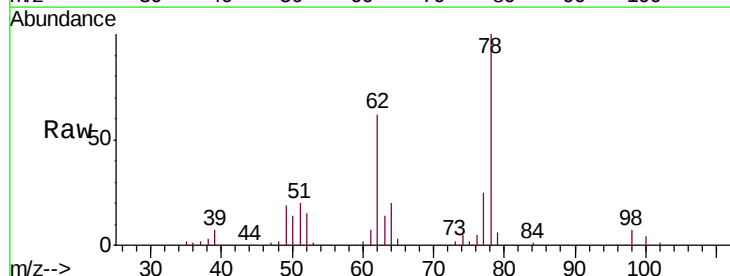
Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

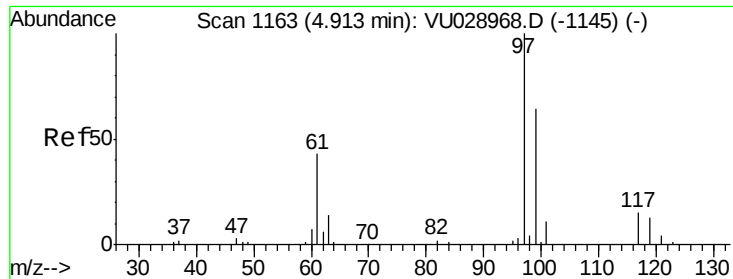
Tgt Ion: 83 Resp: 164954
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 9.698 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028969.D
Acq: 27 Dec 2018 16:51

Tgt Ion: 62 Resp: 98429
Ion Ratio Lower Upper
62 100
98 10.6 8.2 12.2

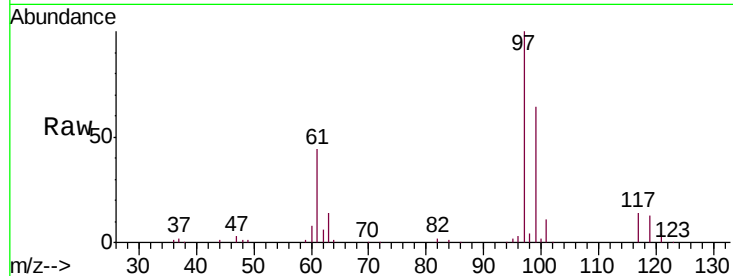




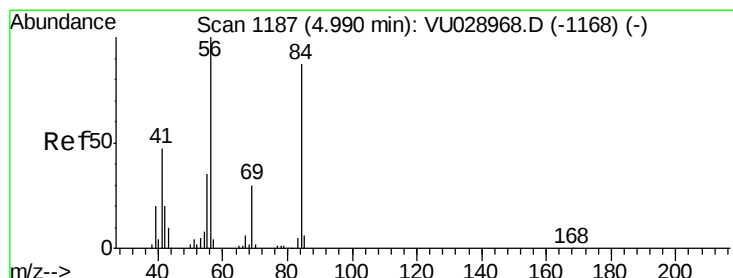
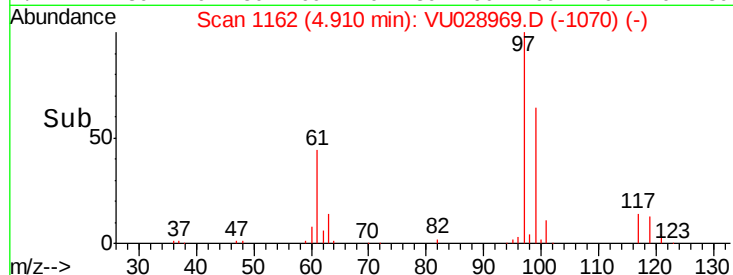
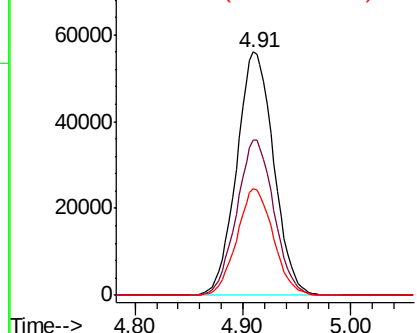
#29
 1,1,1-Trichloroethane
 Concen: 9.394 ug/L
 RT: 4.91 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

Tgt Ion: 97 Resp: 133976
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.6 77.4
 61 43.0 34.1 51.1

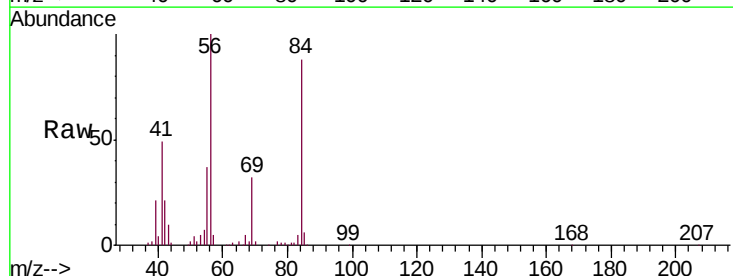


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

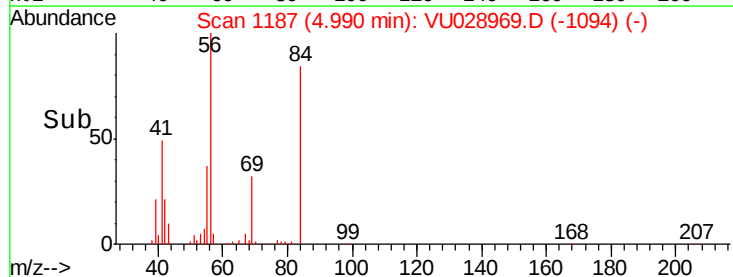
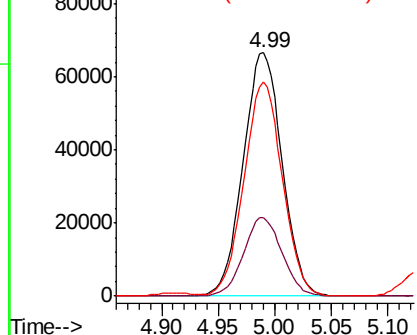


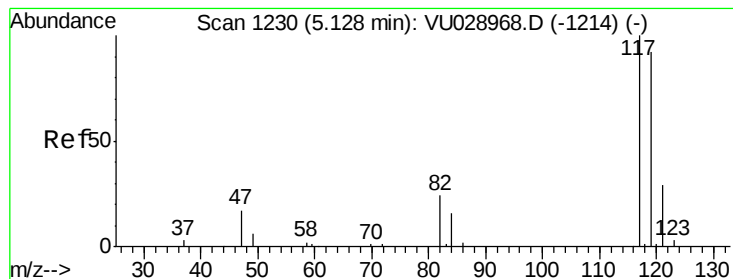
#30
 Cyclohexane
 Concen: 9.338 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Tgt Ion: 56 Resp: 159574
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.8 37.2
 84 86.9 69.1 103.7



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: 9.589 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

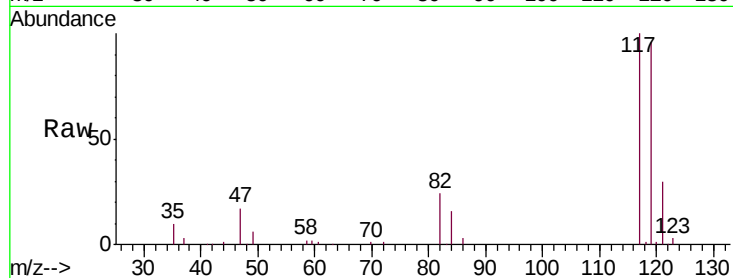
VSTD01044

Tgt Ion:117 Resp: 108889

Ion Ratio Lower Upper

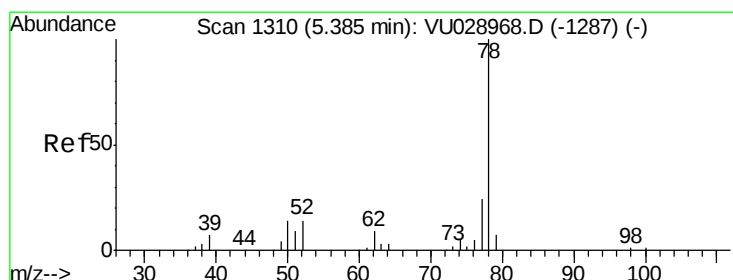
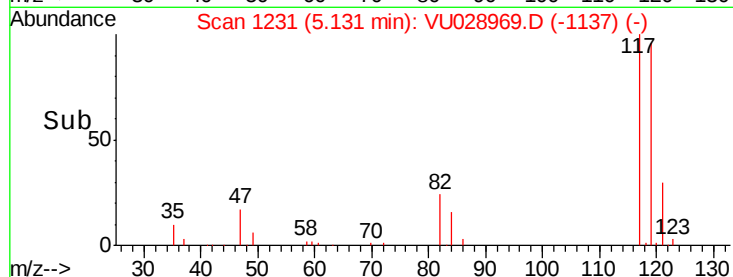
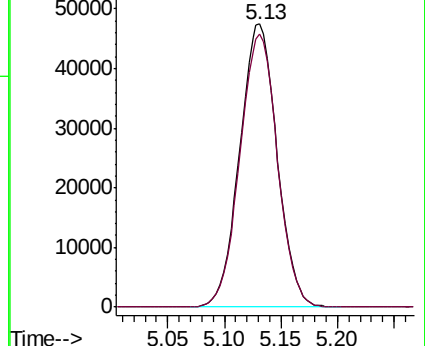
117 100

119 96.9 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.436 ug/L

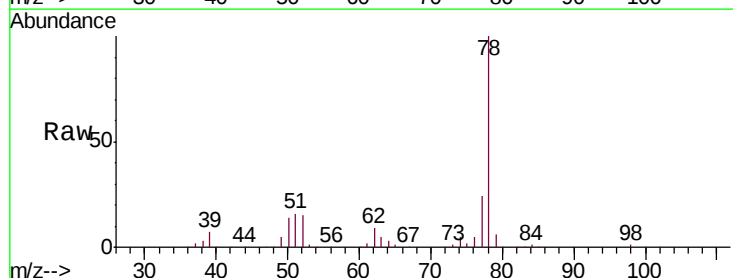
RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

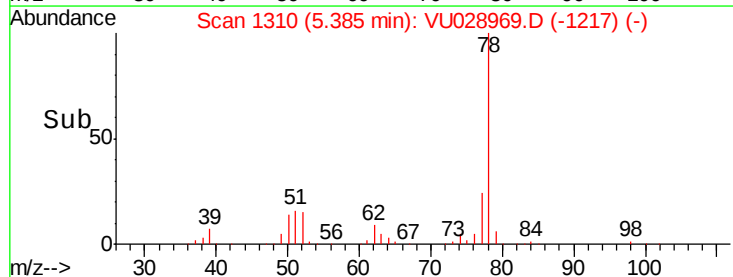
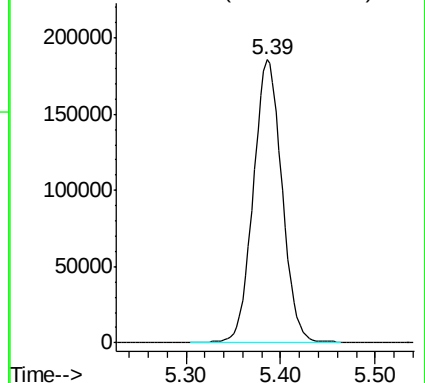
Lab File: VU028969.D

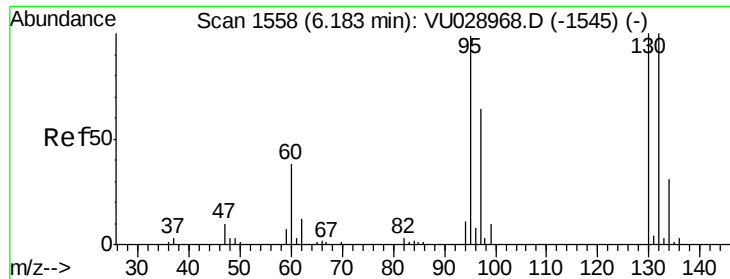
Acq: 27 Dec 2018 16:51

Tgt Ion: 78 Resp: 391827



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.370 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

Tgt Ion: 95 Resp: 99485

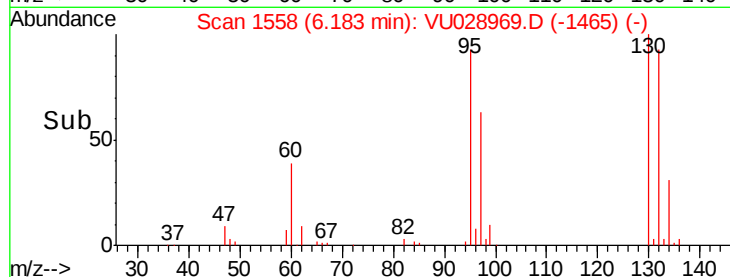
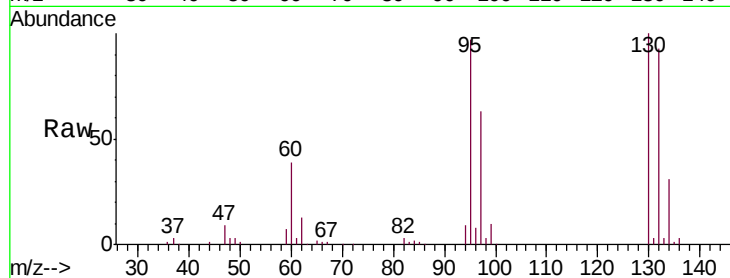
Ion Ratio Lower Upper

95 100

97 65.1 45.4 84.2

132 96.8 70.8 131.6

130 103.6 70.7 131.3

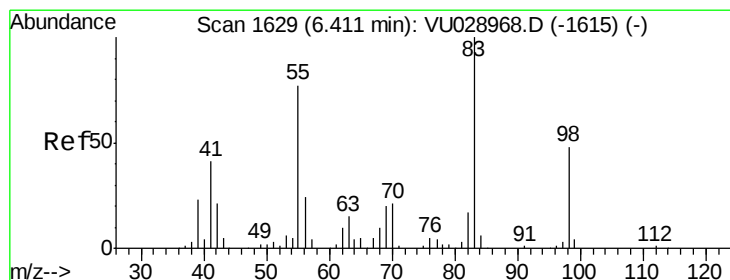
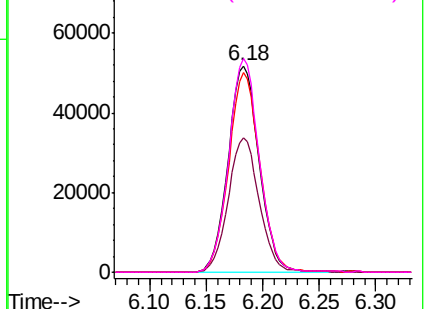


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 9.349 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

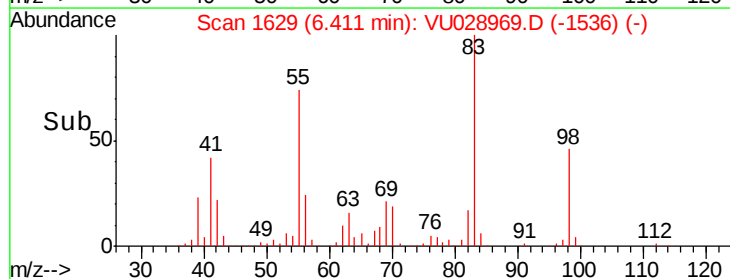
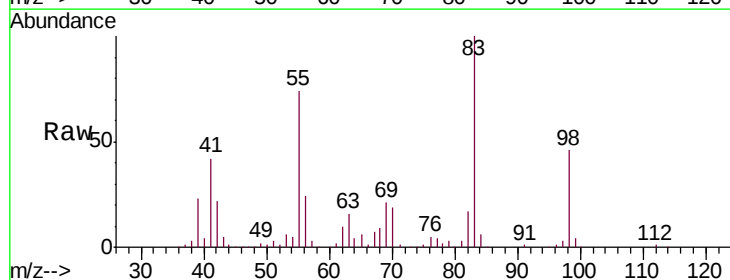
Tgt Ion: 83 Resp: 170508

Ion Ratio Lower Upper

83 100

55 74.5 59.8 89.6

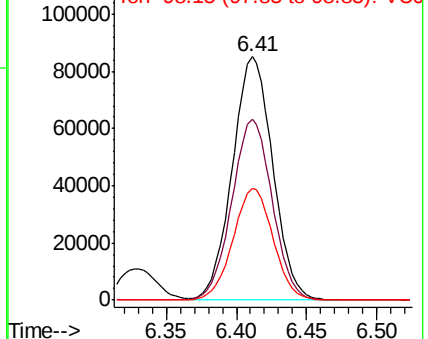
98 45.8 37.0 55.6

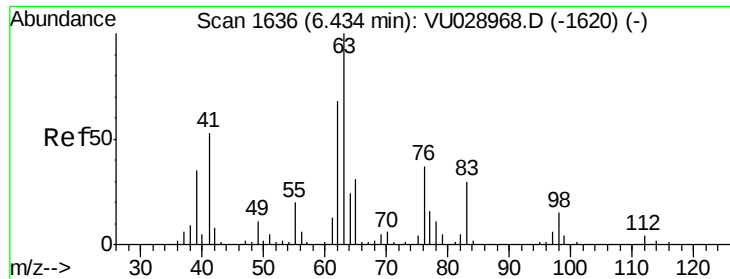


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

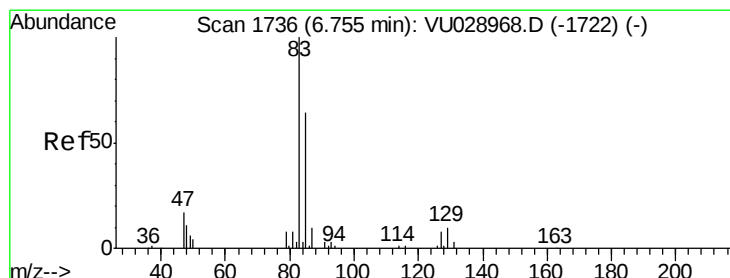
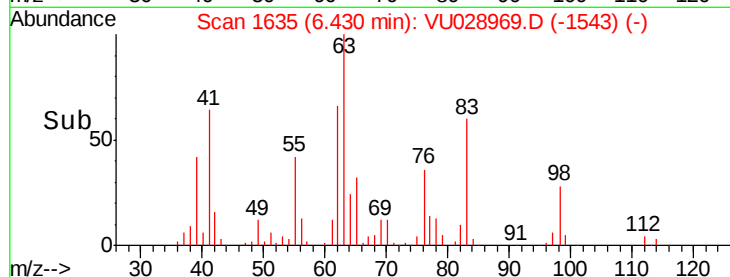
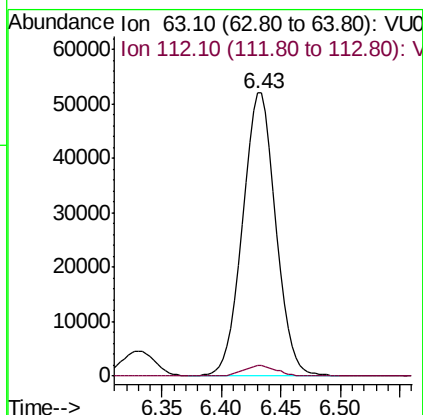
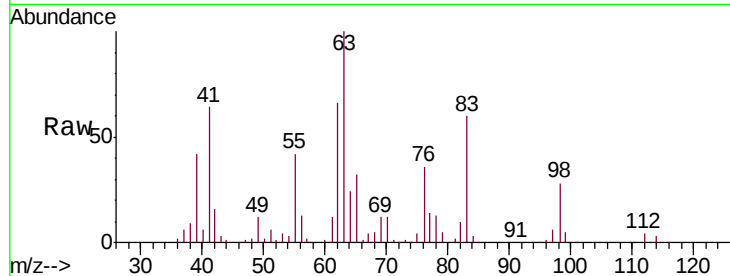




#37
 1,2-Dichloropropane
 Concen: 9.464 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

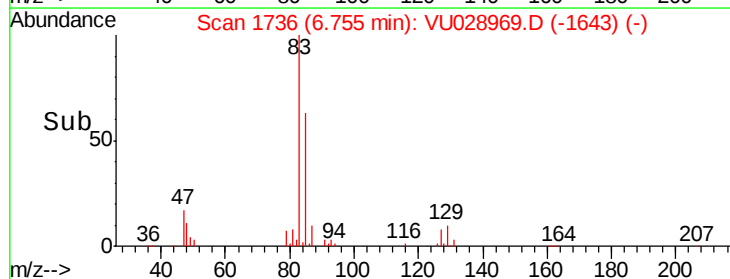
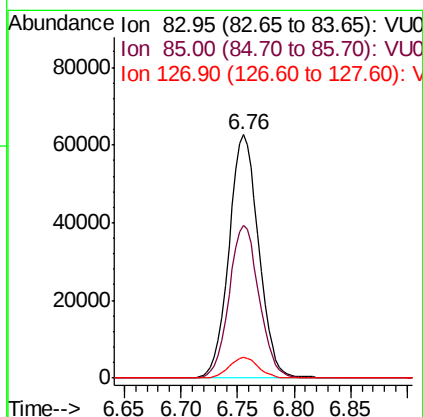
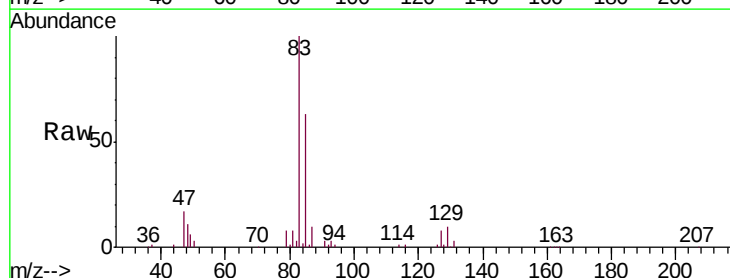
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

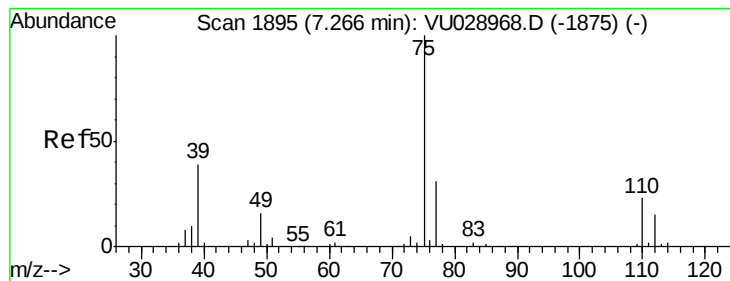
Tgt Ion: 63 Resp: 100114
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 9.616 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Tgt Ion: 83 Resp: 114531
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.1 83.9
 127 8.4 6.8 10.2



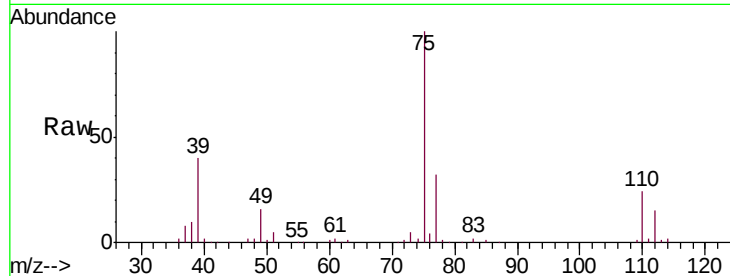


#39

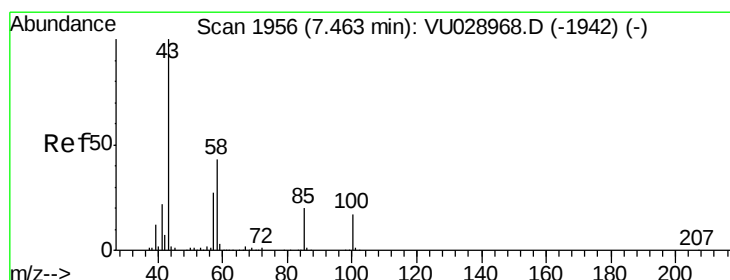
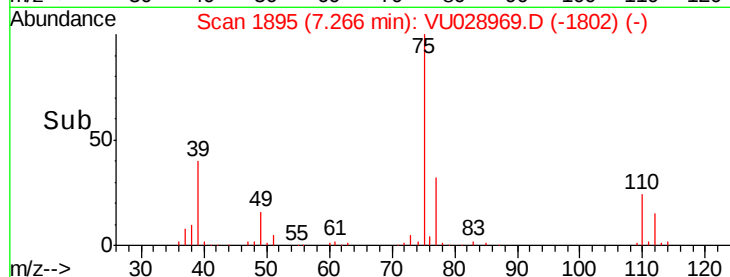
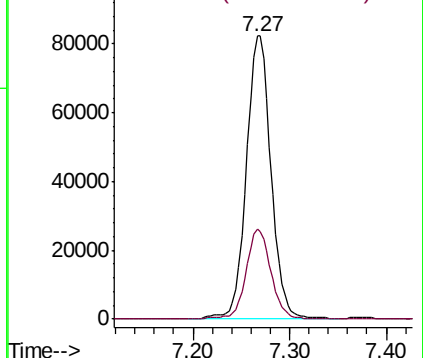
cis-1,3-Dichloropropene
 Concen: 9.625 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

Tgt Ion: 75 Resp: 145993
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.5 39.9



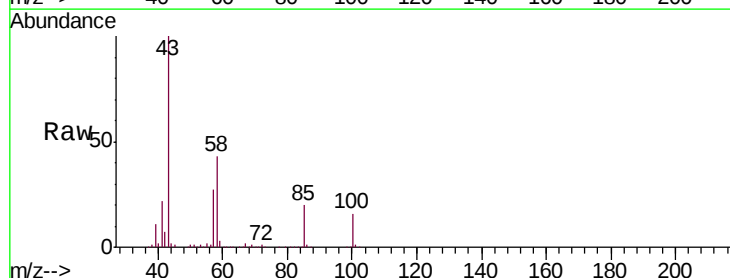
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



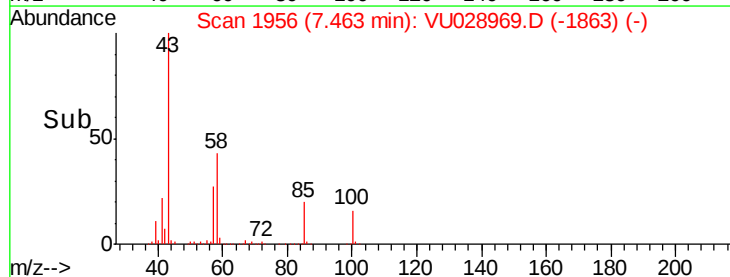
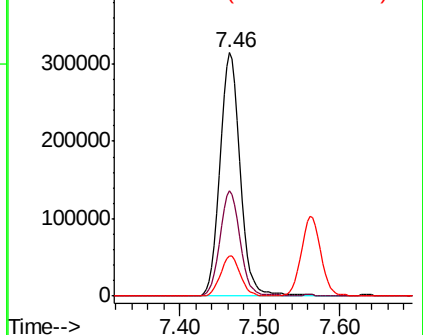
#40

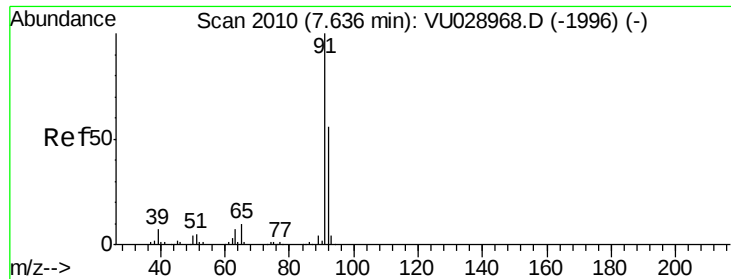
4-Methyl-2-pentanone
 Concen: 98.316 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Tgt Ion: 43 Resp: 553431
 Ion Ratio Lower Upper
 43 100
 58 43.1 34.6 51.8
 100 16.2 13.4 20.0



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





#42

Toluene

Concen: 9.335 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

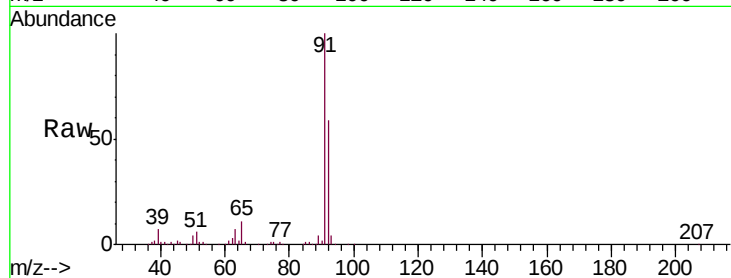
VSTD01044

Tgt Ion: 91 Resp: 414945

Ion Ratio Lower Upper

91 100

92 58.5 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU028968.D (-1996) (-)

Ion 92.15 (91.85 to 92.85): VU028969.D (-1917) (-)

7.64

250000

200000

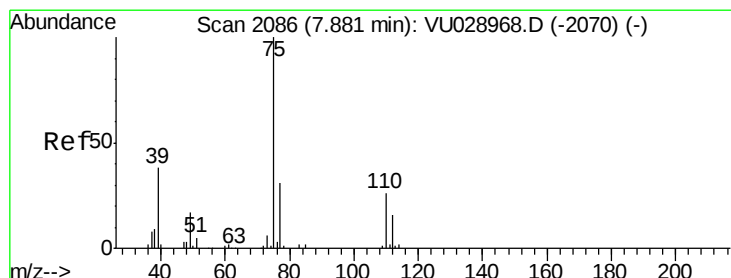
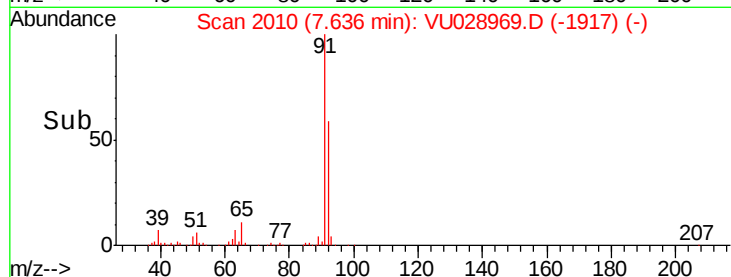
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 9.864 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028969.D

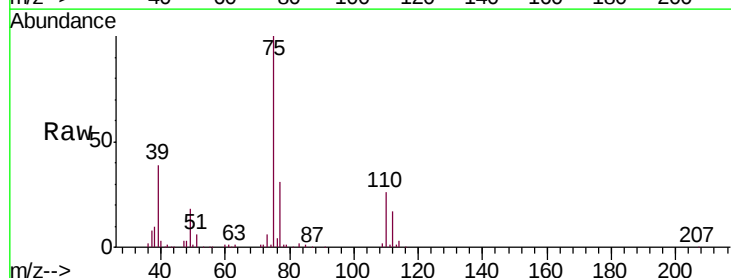
Acq: 27 Dec 2018 16:51

Tgt Ion: 75 Resp: 116594

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU028968.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU028969.D (-1993) (-)

7.88

80000

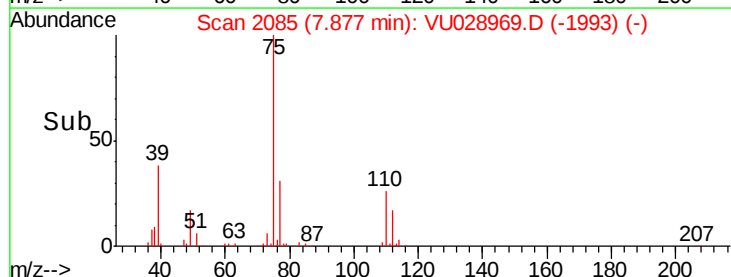
60000

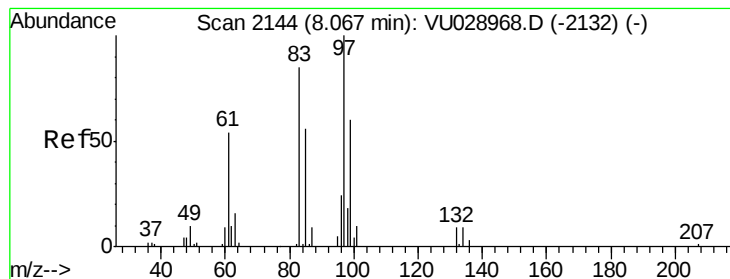
40000

20000

0

Time--> 7.80 7.90 8.00





#45

1,1,2-Trichloroethane

Concen: 9.450 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

Tgt Ion: 97 Resp: 68032

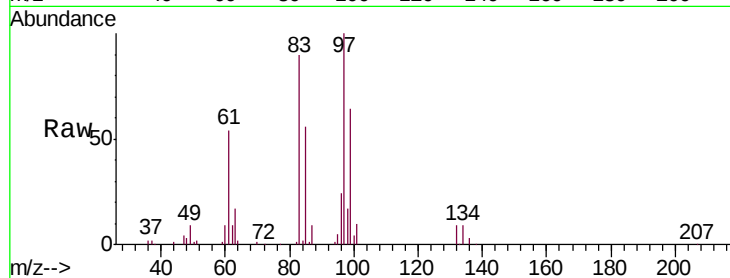
Ion Ratio Lower Upper

97 100

99 63.7 42.4 78.6

83 89.9 59.6 110.6

85 56.0 39.0 72.4

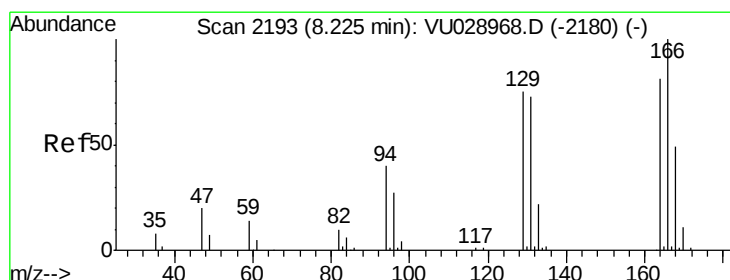
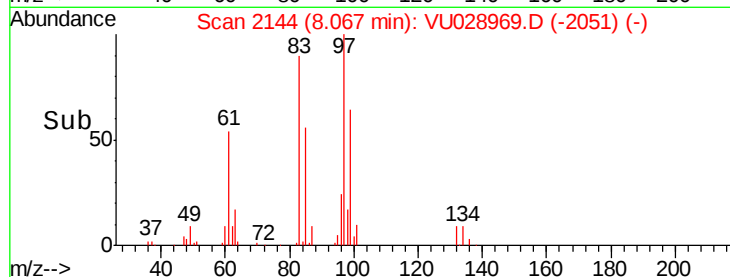
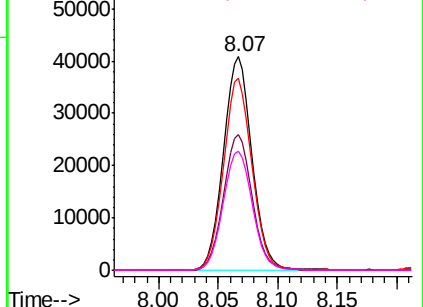


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 9.386 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Tgt Ion: 164 Resp: 82538

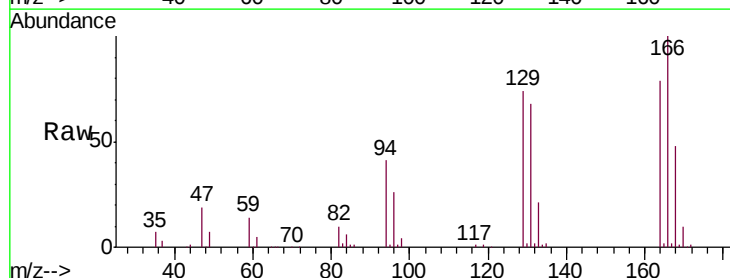
Ion Ratio Lower Upper

164 100

129 93.7 65.3 121.3

131 86.4 62.9 116.7

166 126.5 86.7 160.9

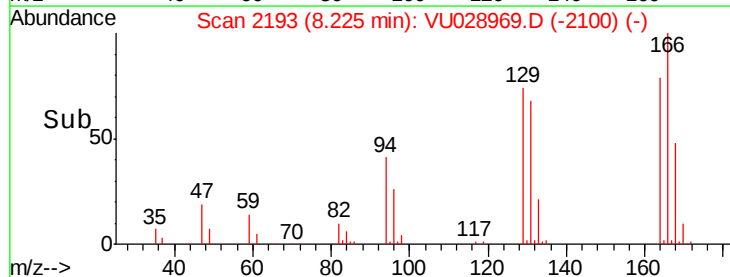
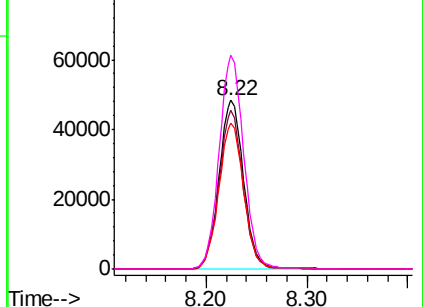


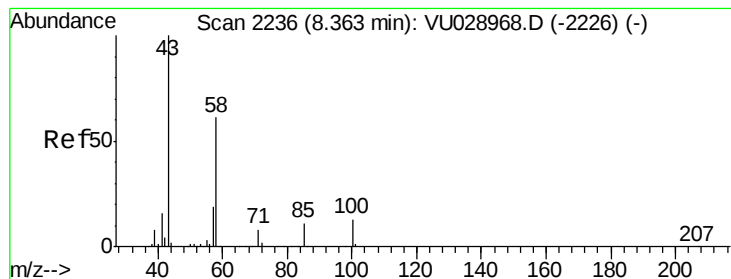
Abundance Ion 163.90 (163.60 to 164.60): V

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: 99.919 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

Tgt Ion: 43 Resp: 389066

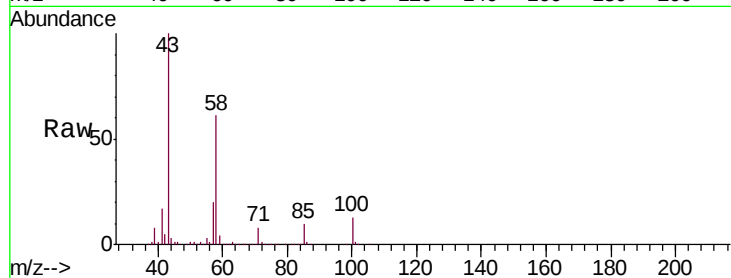
Ion Ratio Lower Upper

43 100

58 60.6 48.8 73.2

57 20.0 16.0 24.0

100 12.8 10.2 15.4

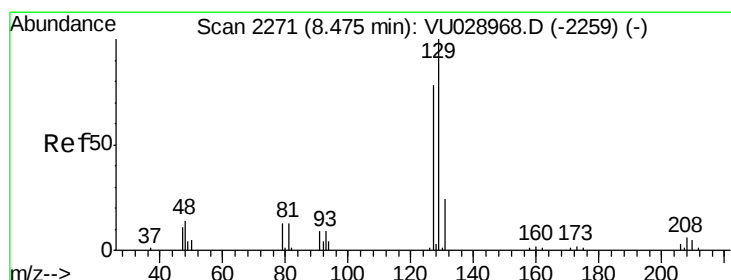
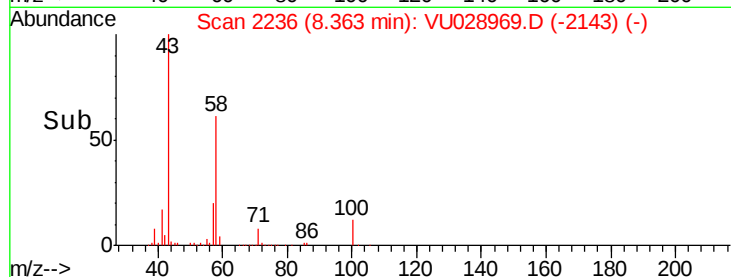
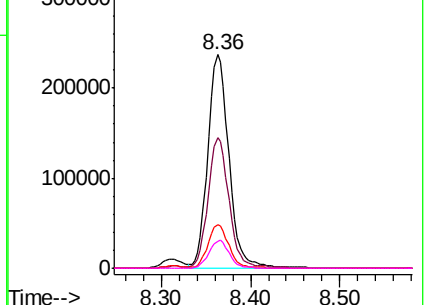


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 9.726 ug/L

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028969.D

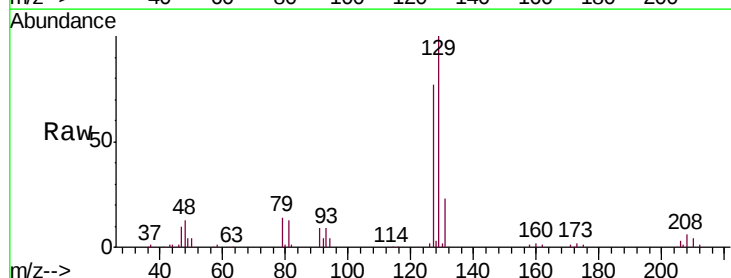
Acq: 27 Dec 2018 16:51

Tgt Ion: 129 Resp: 74339

Ion Ratio Lower Upper

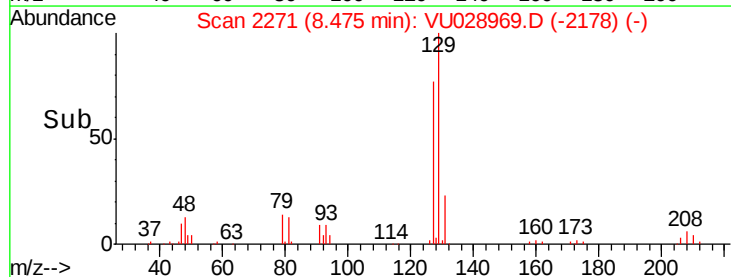
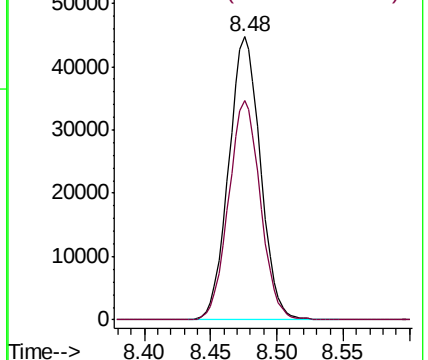
129 100

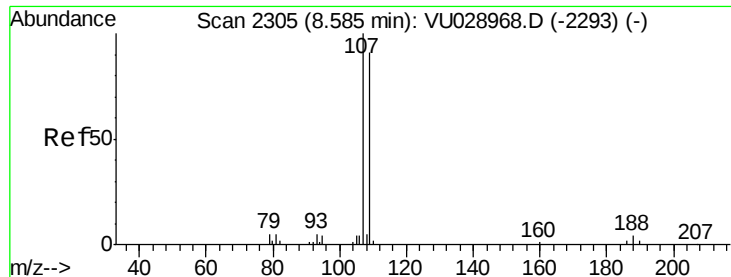
127 77.5 54.4 101.0



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 9.781 ug/L

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

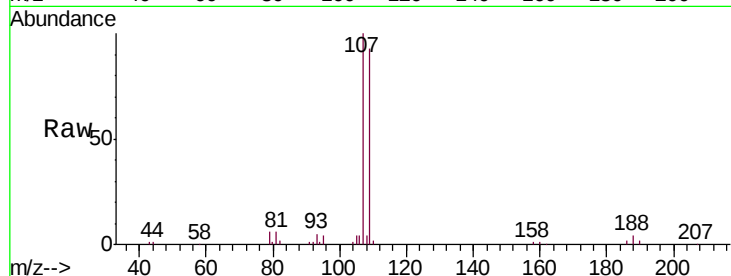
Tgt Ion:107 Resp: 65866

Ion Ratio Lower Upper

107 100

109 93.3 64.0 119.0

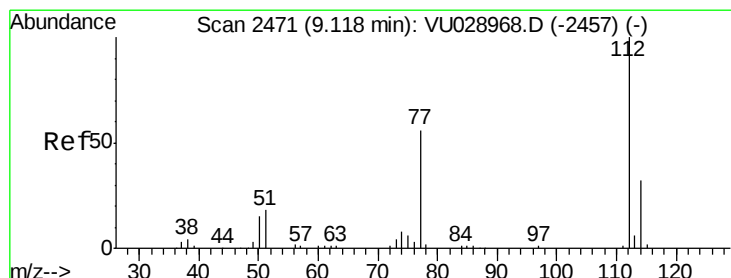
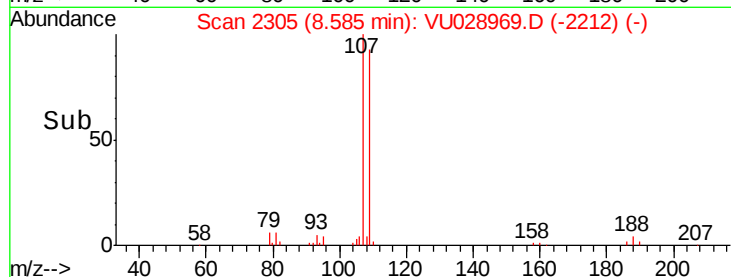
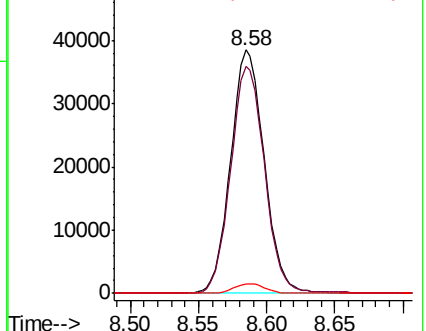
188 3.8 3.0 4.4



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: 9.395 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

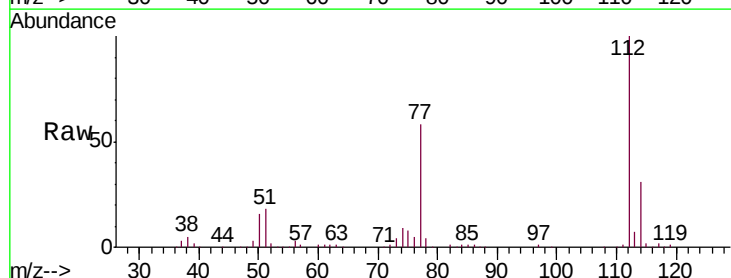
Tgt Ion:112 Resp: 261928

Ion Ratio Lower Upper

112 100

114 31.3 22.2 41.2

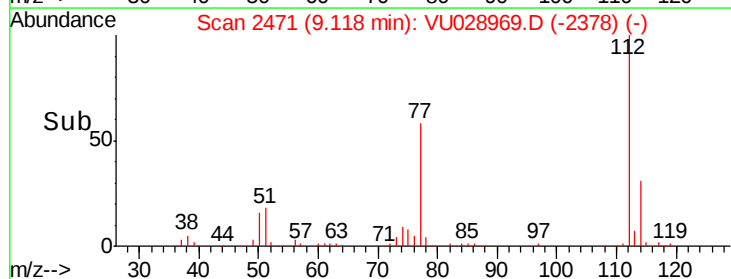
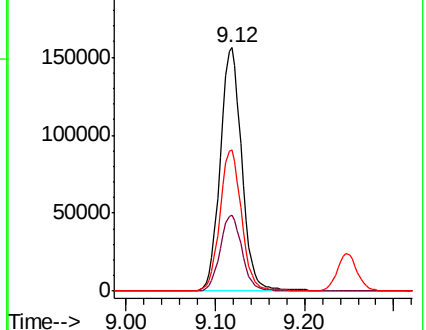
77 58.1 44.9 67.3

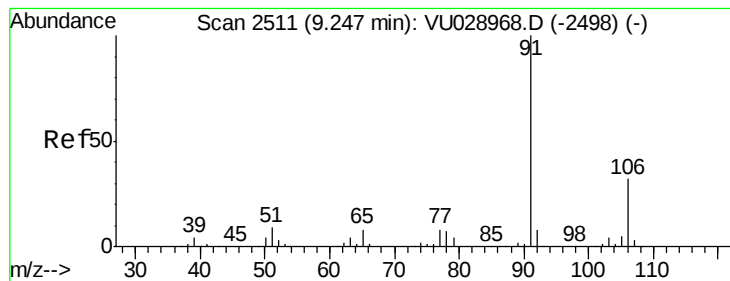


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 9.631 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

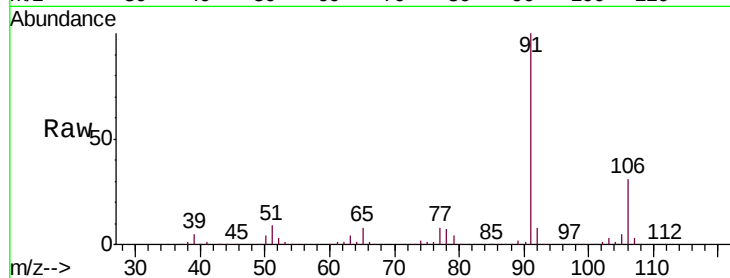
VSTD01044

Tgt Ion: 91 Resp: 454178

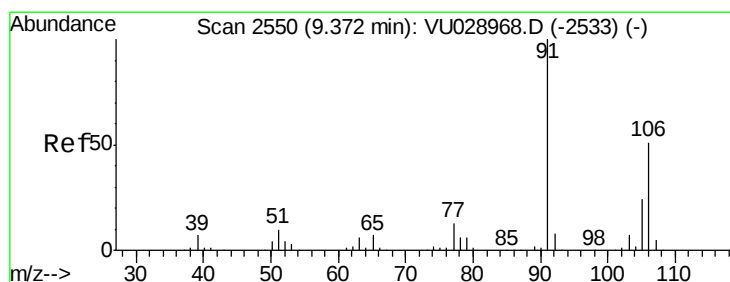
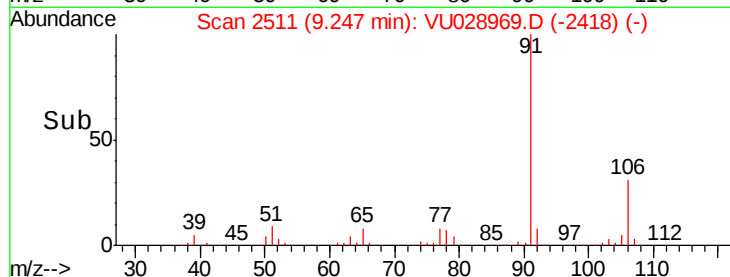
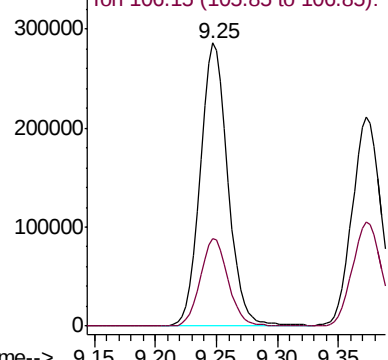
Ion Ratio Lower Upper

91 100

106 31.1 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VU028969.D (-2418) (-)



#53

m,p-xylene

Concen: 9.713 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028969.D

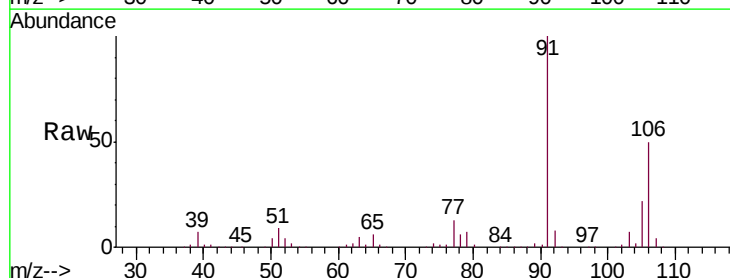
Acq: 27 Dec 2018 16:51

Tgt Ion: 106 Resp: 174306

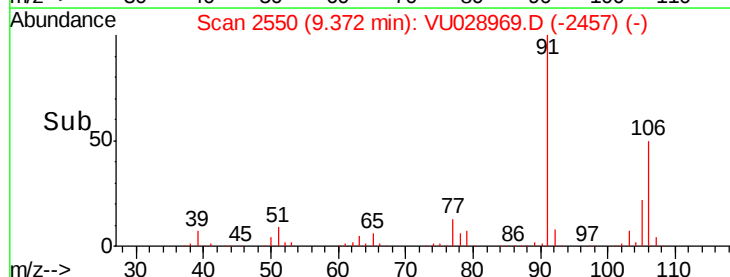
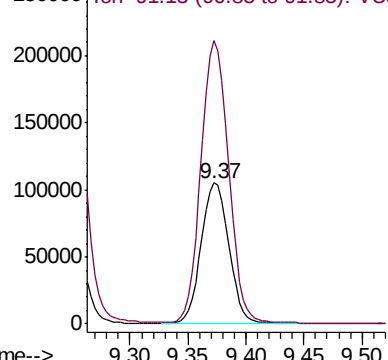
Ion Ratio Lower Upper

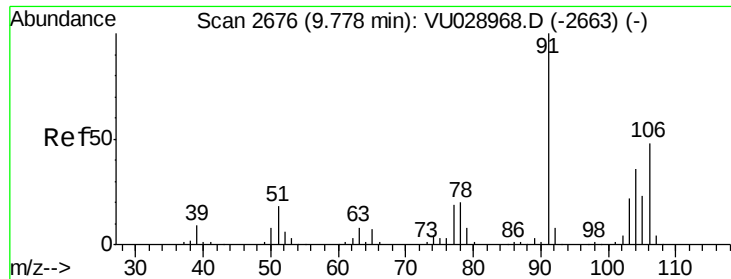
106 100

91 201.1 138.5 257.1



Abundance Ion 106.15 (105.85 to 106.85): VU028969.D (-2457) (-)

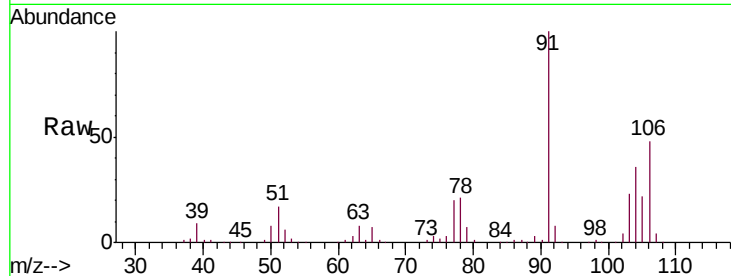




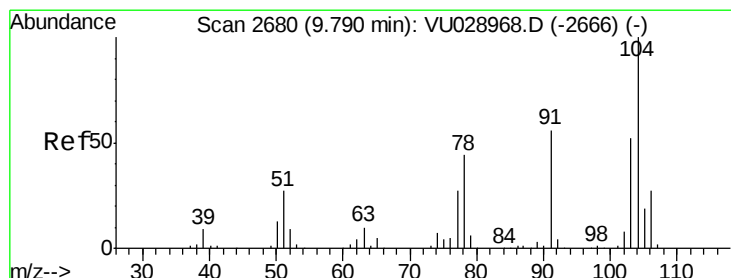
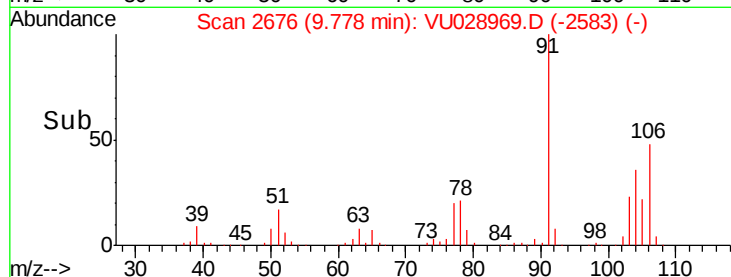
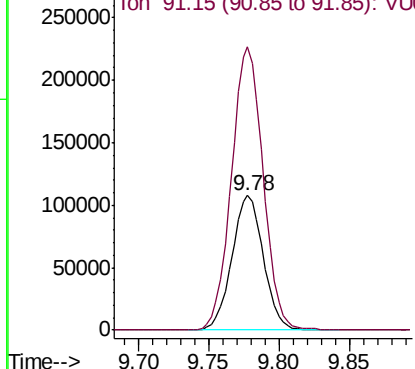
#54
o-xylene
Concen: 9.655 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028969.D
Acq: 27 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

Tgt Ion:106 Resp: 168183
Ion Ratio Lower Upper
106 100
91 210.0 146.5 272.1

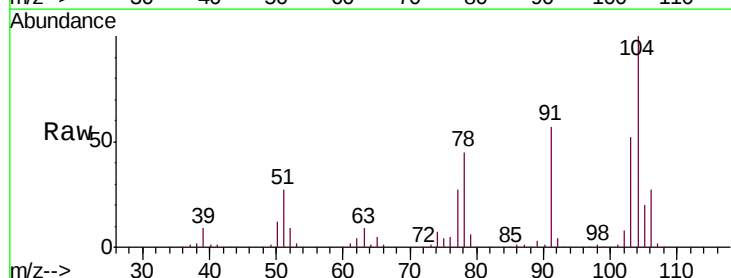


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

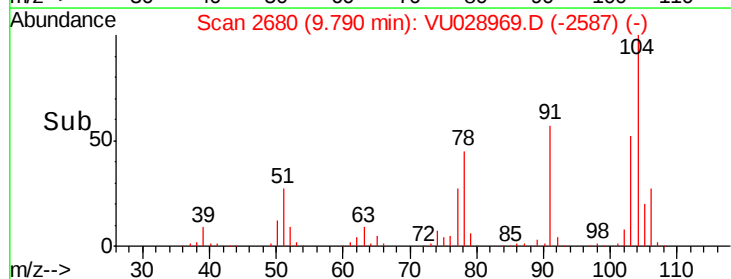
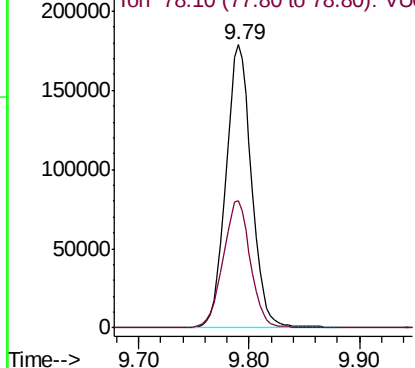


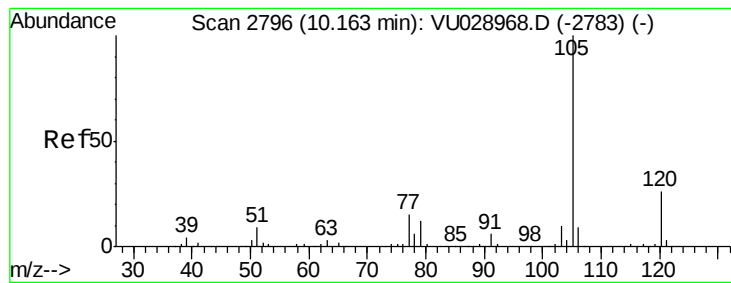
#55
Styrene
Concen: 9.925 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028969.D
Acq: 27 Dec 2018 16:51

Tgt Ion:104 Resp: 287755
Ion Ratio Lower Upper
104 100
78 44.8 30.9 57.5



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





#56

Isopropylbenzene

Concen: 9.644 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

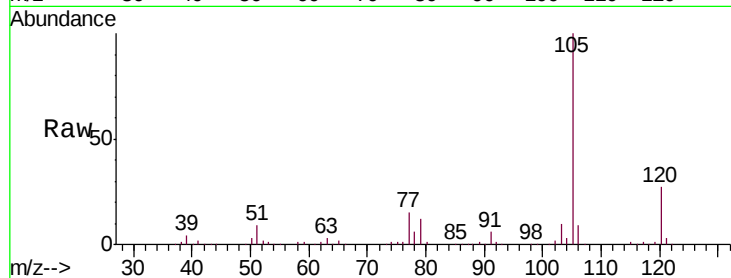
Tgt Ion: 105 Resp: 443057

Ion Ratio Lower Upper

105 100

120 26.7 20.9 31.3

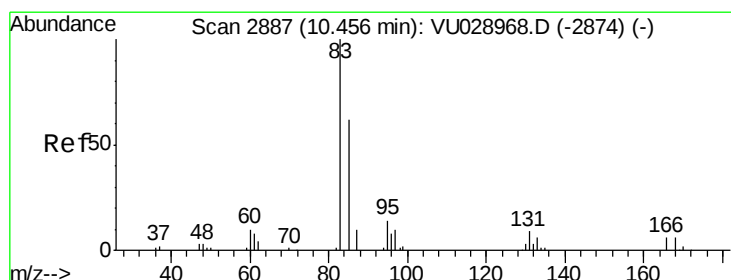
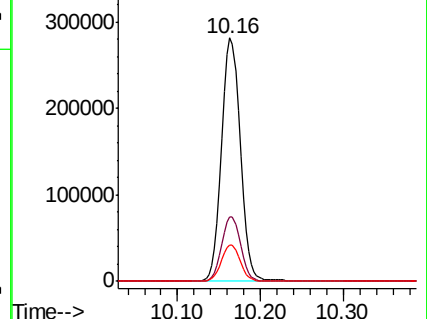
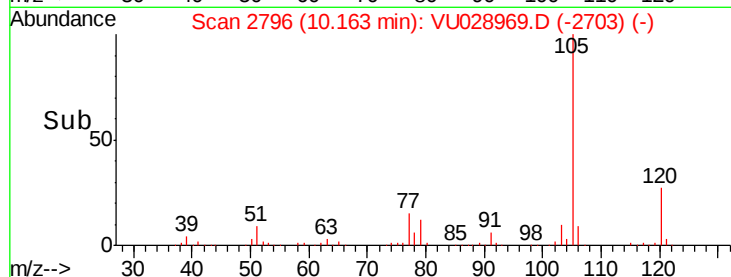
77 14.8 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.584 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

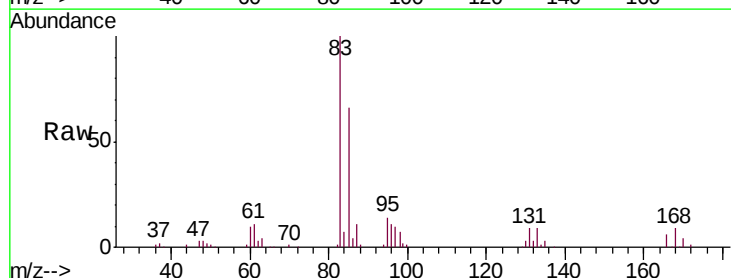
Tgt Ion: 83 Resp: 84466

Ion Ratio Lower Upper

83 100

85 66.3 44.0 81.8

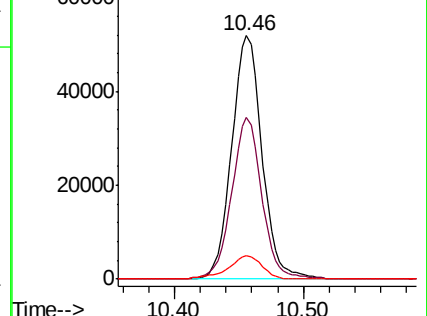
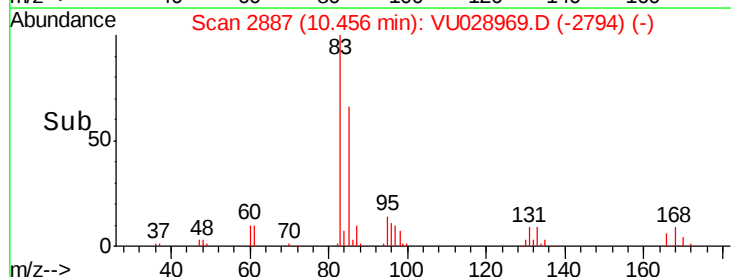
131 9.5 7.8 11.8

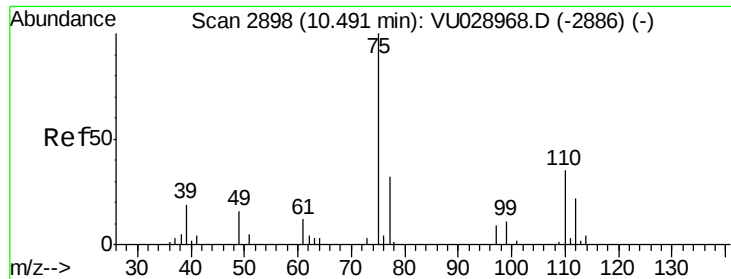


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

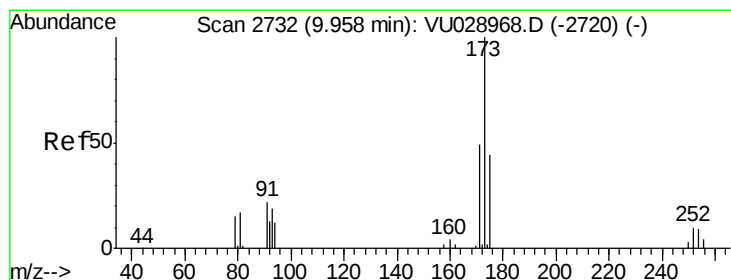
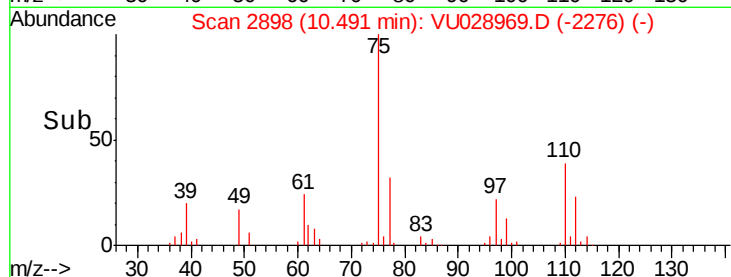
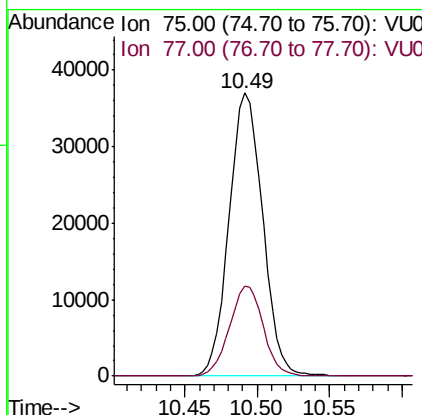
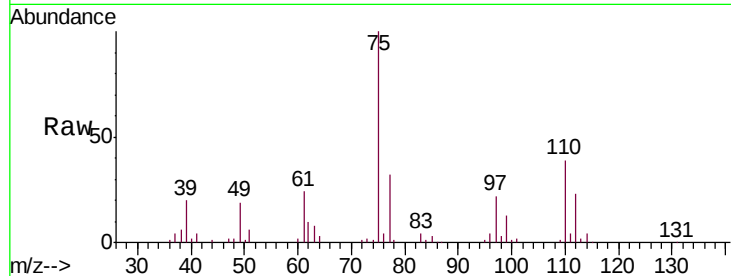




#59
 1,2,3-Trichloropropane
 Concen: 9.687 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

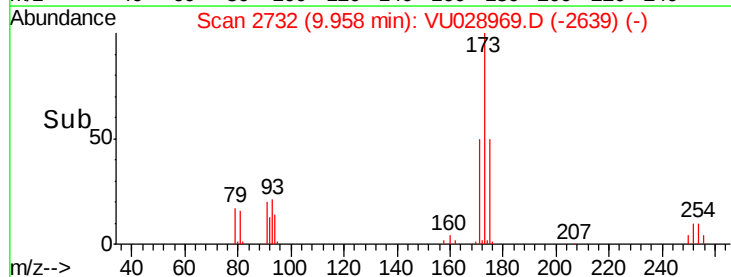
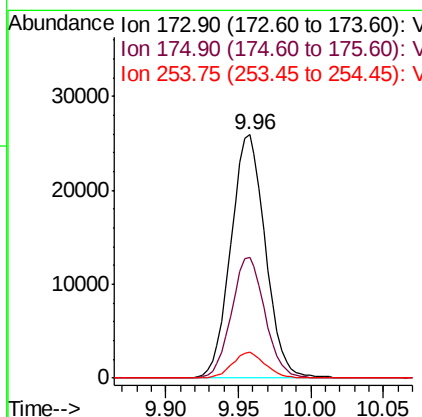
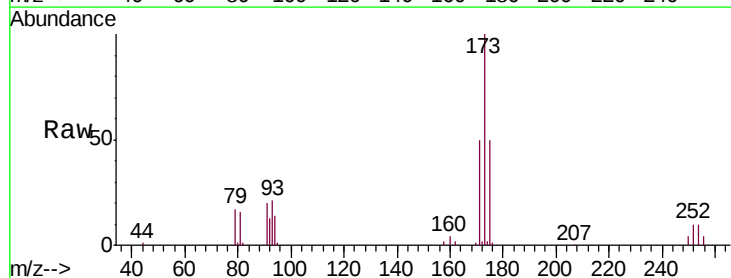
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

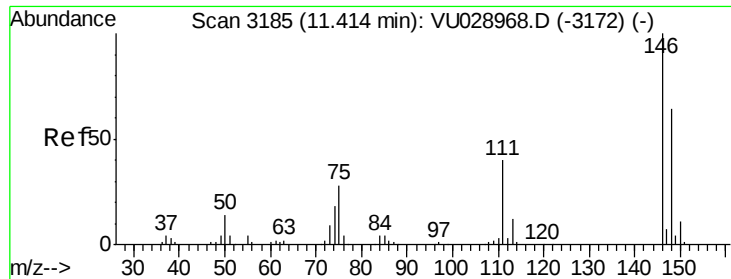
Tgt Ion: 75 Resp: 59740
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.0 39.0



#61
 Bromoform
 Concen: 9.537 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Tgt Ion: 173 Resp: 42816
 Ion Ratio Lower Upper
 173 100
 175 48.1 35.4 53.2
 254 10.0 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 9.489 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

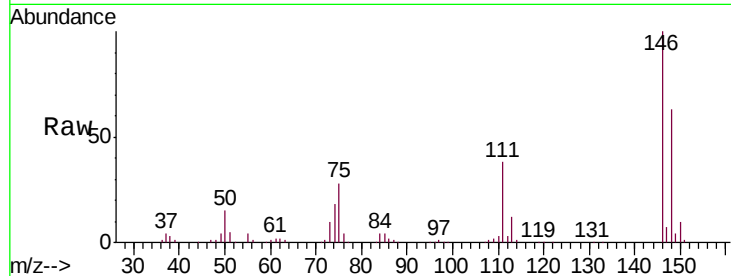
Tgt Ion:146 Resp: 211028

Ion Ratio Lower Upper

146 100

111 38.1 27.7 51.5

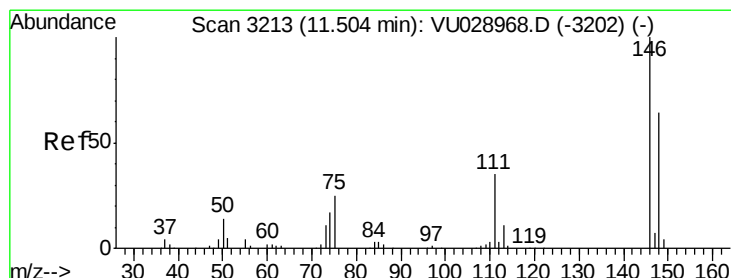
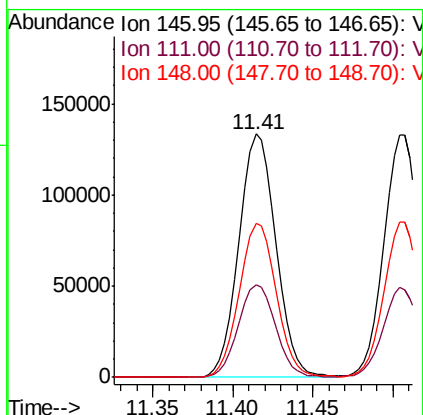
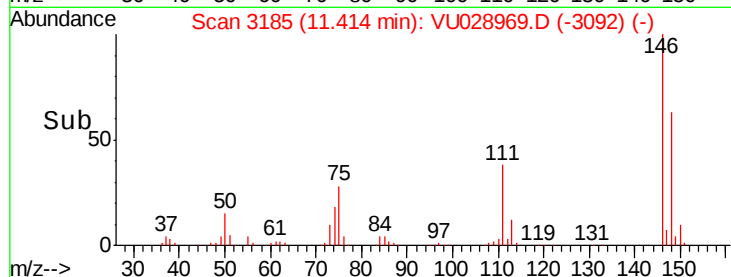
148 63.2 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.283 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

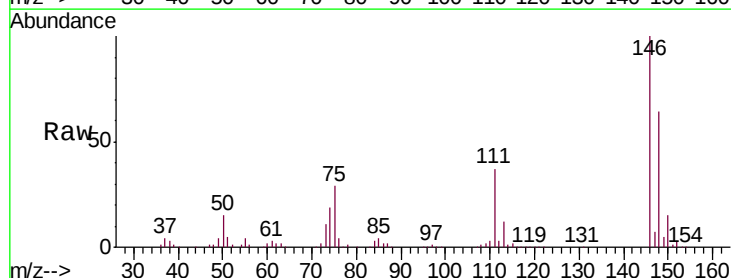
Tgt Ion:146 Resp: 210680

Ion Ratio Lower Upper

146 100

111 36.9 24.9 46.3

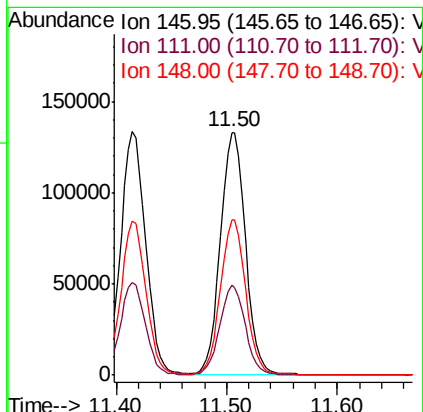
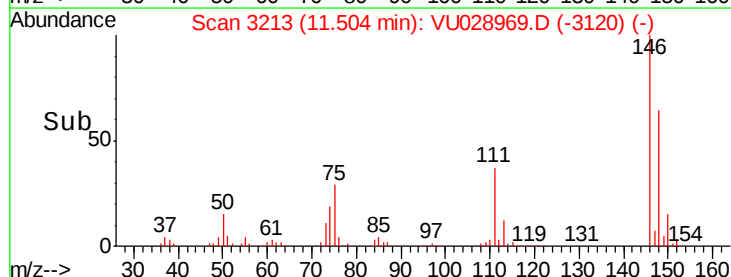
148 64.2 44.9 83.3

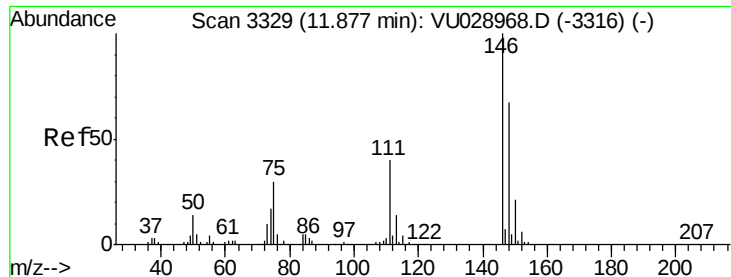


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

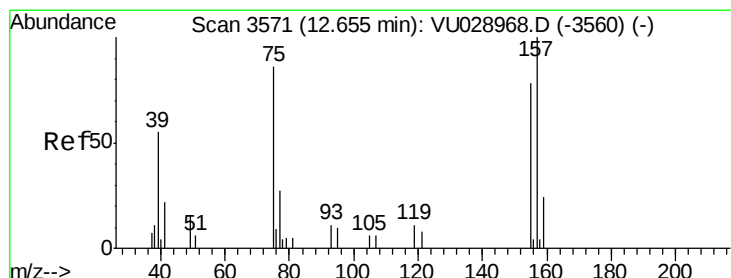
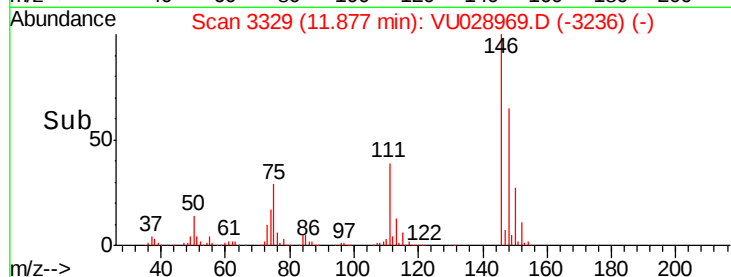
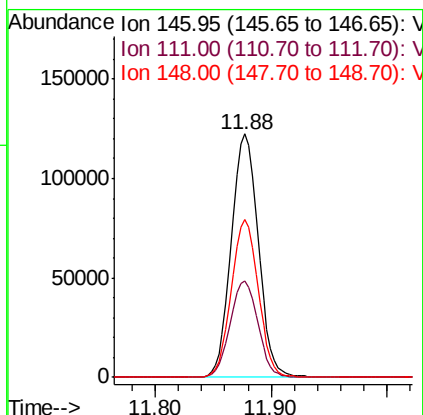
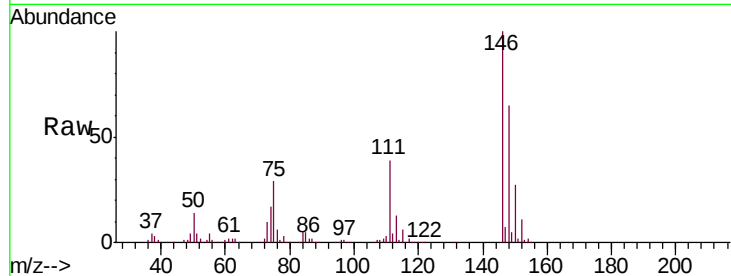




#65
 1,2-Dichlorobenzene
 Concen: 9.353 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

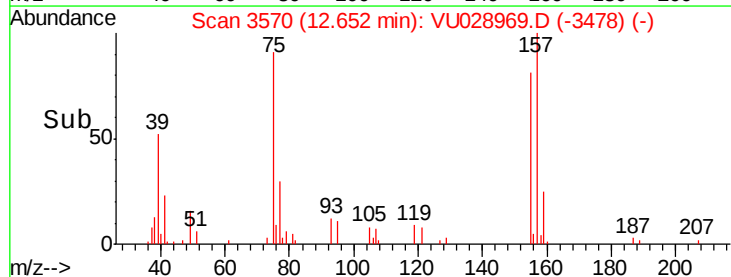
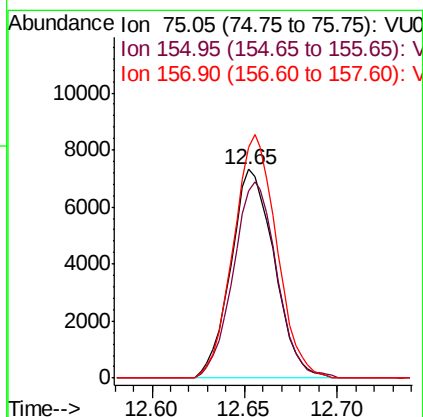
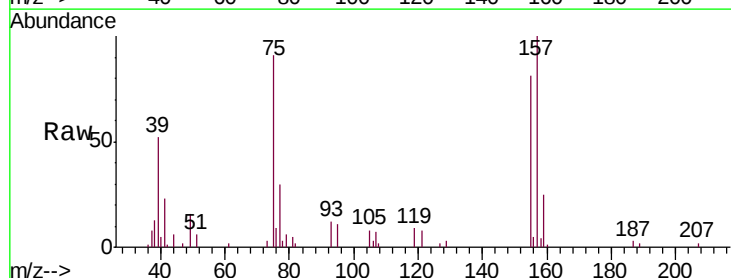
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

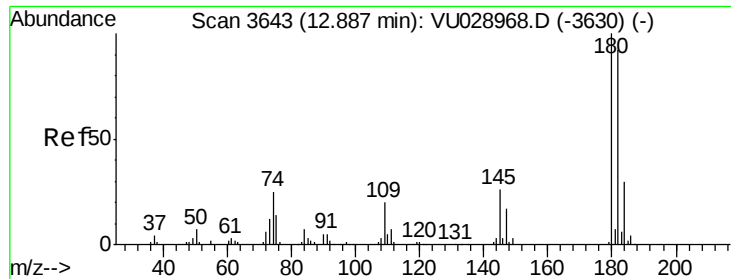
Tgt Ion: 146 Resp: 196859
 Ion Ratio Lower Upper
 146 100
 111 39.4 32.2 48.4
 148 64.7 53.2 79.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.641 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Tgt Ion: 75 Resp: 11980
 Ion Ratio Lower Upper
 75 100
 155 89.7 72.2 108.2
 157 110.3 93.0 139.6

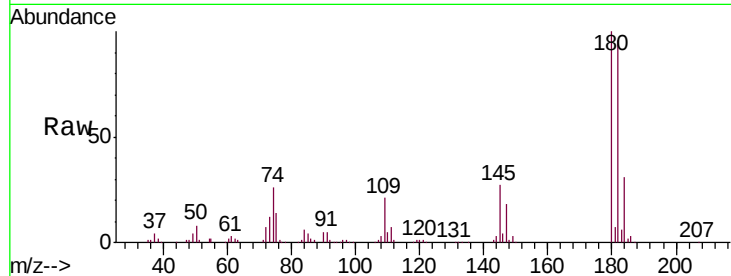




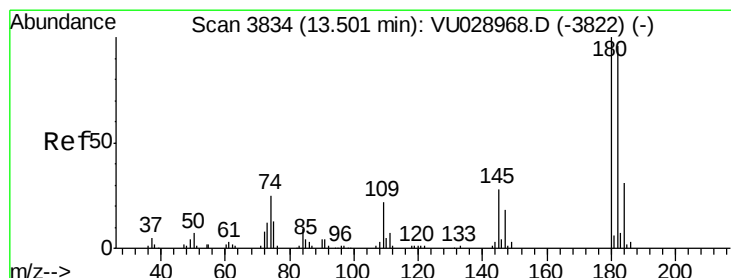
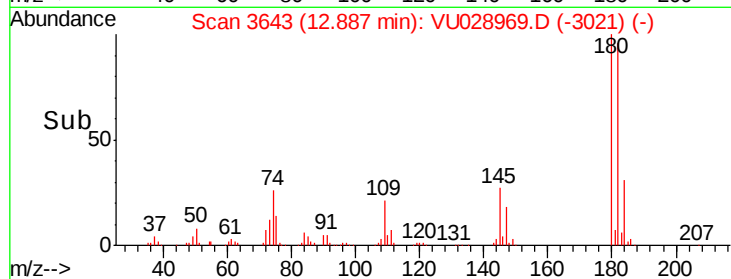
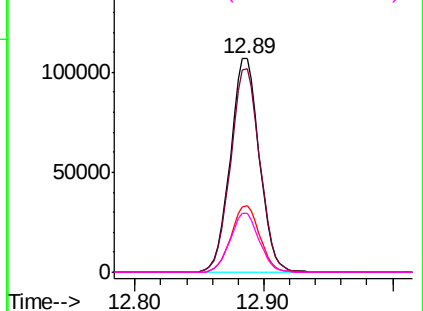
#67
 1,3,5-Trichlorobenzene
 Concen: 9.692 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

Tgt Ion:	180	Resp:	166798
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	114.8
184	31.1	24.4	36.6
145	27.5	21.7	32.5

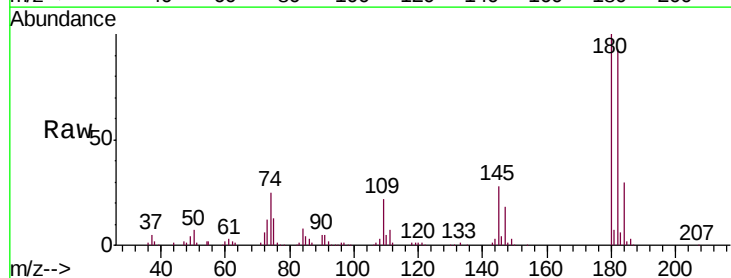


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

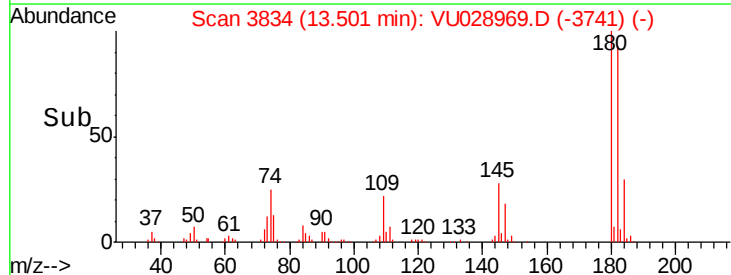
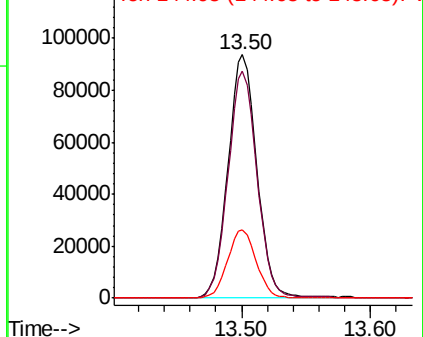


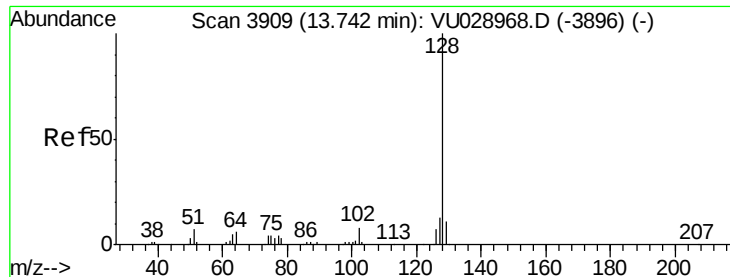
#68
 1,2,4-trichlorobenzene
 Concen: 10.155 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028969.D
 Acq: 27 Dec 2018 16:51

Tgt Ion:	180	Resp:	145646
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.0	114.0
145	27.8	22.6	33.8



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: 10.427 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

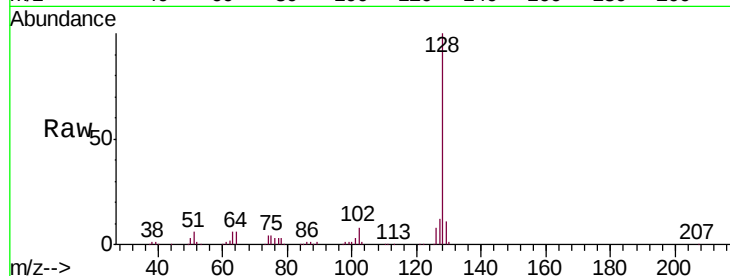
Tgt Ion:128 Resp: 255789

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

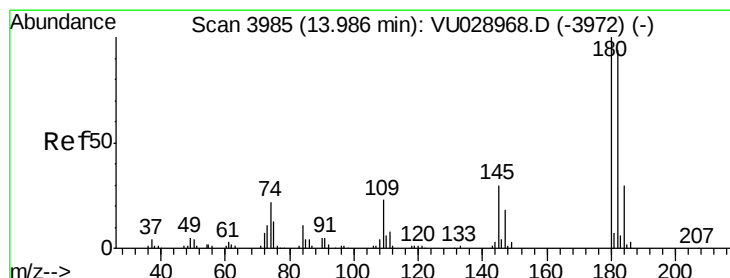
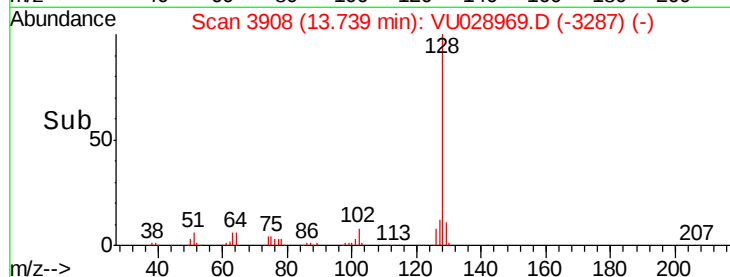
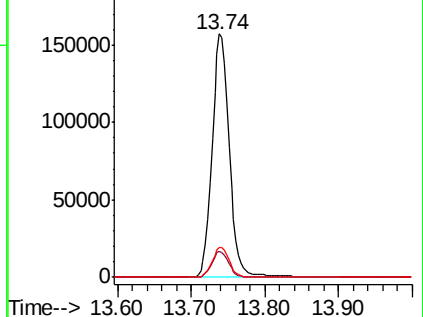
127 12.4 9.8 14.6



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: 9.749 ug/L

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU028969.D

Acq: 27 Dec 2018 16:51

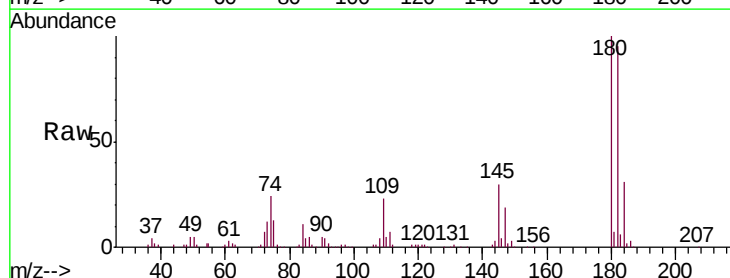
Tgt Ion:180 Resp: 133360

Ion Ratio Lower Upper

180 100

182 95.5 77.1 115.7

145 30.0 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

