

Data File : VU029973.D
Acq On : 11 Mar 2019 18:00
Operator : JC/SP
Sample : VSTD00543
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Quant Time: Mar 12 05:44:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 05:42:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	528353	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	506944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	252122	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	15468	4.71	ug/L	0.00
7) Chloroethane-d5	1.68	69	12994	4.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	29399	4.81	ug/L	0.00
21) 2-Butanone-d5	4.19	46	22315	8.87	ug/L	0.02
24) Chloroform-d	4.65	84	28402	4.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	16826	4.59	ug/L	0.00
32) Benzene-d6	5.34	84	58174	4.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	18148	4.69	ug/L	0.00
41) Toluene-d8	7.57	98	53096	4.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	8179	4.36	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	16713	7.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	27029	4.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	23022	4.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	16973	4.371 ug/L	97
3) Chloromethane	1.33	50	19197	3.861 ug/L	95
5) Vinyl chloride	1.40	62	20470	5.054 ug/L	98
6) Bromomethane	1.63	94	13050	9.483 ug/L	100
8) Chloroethane	1.70	64	16406	6.567 ug/L #	82
9) Trichlorofluoromethane	1.89	101	27907	5.189 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17958	5.367 ug/L	99
12) 1,1-Dichloroethene	2.29	96	17233	5.336 ug/L	86
13) Acetone	2.32	43	34612	12.601 ug/L	99
14) Carbon disulfide	2.48	76	52079	5.175 ug/L	99
15) Methyl Acetate	2.62	43	19723	5.265 ug/L	97
16) Methylene chloride	2.70	84	20625	5.430 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	18567	5.380 ug/L	93
18) Methyl tert-butyl Ether	3.00	73	52228	5.804 ug/L	98
19) 1,1-Dichloroethane	3.45	63	31446	5.300 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	20337	5.163 ug/L	92
22) 2-Butanone	4.27	43	33662	10.677 ug/L	95
23) Bromochloromethane	4.55	128	10743	5.396 ug/L	94
25) Chloroform	4.68	83	33595	5.259 ug/L	94
27) 1,2-Dichloroethane	5.41	62	23918	5.278 ug/L	97
29) Cyclohexane	4.99	56	28059	5.375 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	28281	5.543 ug/L	99
31) Carbon tetrachloride	5.13	117	24519	5.410 ug/L	98
33) Benzene	5.39	78	73816	5.448 ug/L	100
34) Trichloroethene	6.19	95	19190	5.246 ug/L	91
35) Methylcyclohexane	6.41	83	30667	5.264 ug/L	100
37) 1,2-Dichloropropane	6.43	63	19503	5.493 ug/L #	95
38) Bromodichloromethane	6.76	83	22633	5.108 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	28130	5.174 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	48139	10.119 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	77526	5.233	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	25391	5.236	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	19451	5.404	ug/L	98
46) Tetrachloroethene	8.22	164	17022	5.413	ug/L	98
48) 2-Hexanone	8.36	43	39104	9.684	ug/L	96
49) Dibromochloromethane	8.48	129	20007	5.045	ug/L	98
50) 1,2-Dibromoethane	8.58	107	20624	5.313	ug/L	96
51) Chlorobenzene	9.12	112	54434	5.434	ug/L	99
52) Ethylbenzene	9.25	91	84504	5.153	ug/L	100
53) m,p-Xylene	9.37	106	32354	5.122	ug/L	96
54) o-xylene	9.78	106	30947	4.951	ug/L	99
55) Styrene	9.79	104	50386	4.901	ug/L	98
56) Isopropylbenzene	10.16	105	82150	5.070	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	32314	5.197	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	24443	5.217	ug/L	99
61) Bromoform	9.96	173	14363	4.876	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	41399	5.376	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	42931	5.444	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	40866	5.202	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	5911	4.730	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	30877	5.251	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	27633	5.247	ug/L	99
69) Naphthalene	13.74	128	82147	4.952	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	29233	5.267	ug/L	99

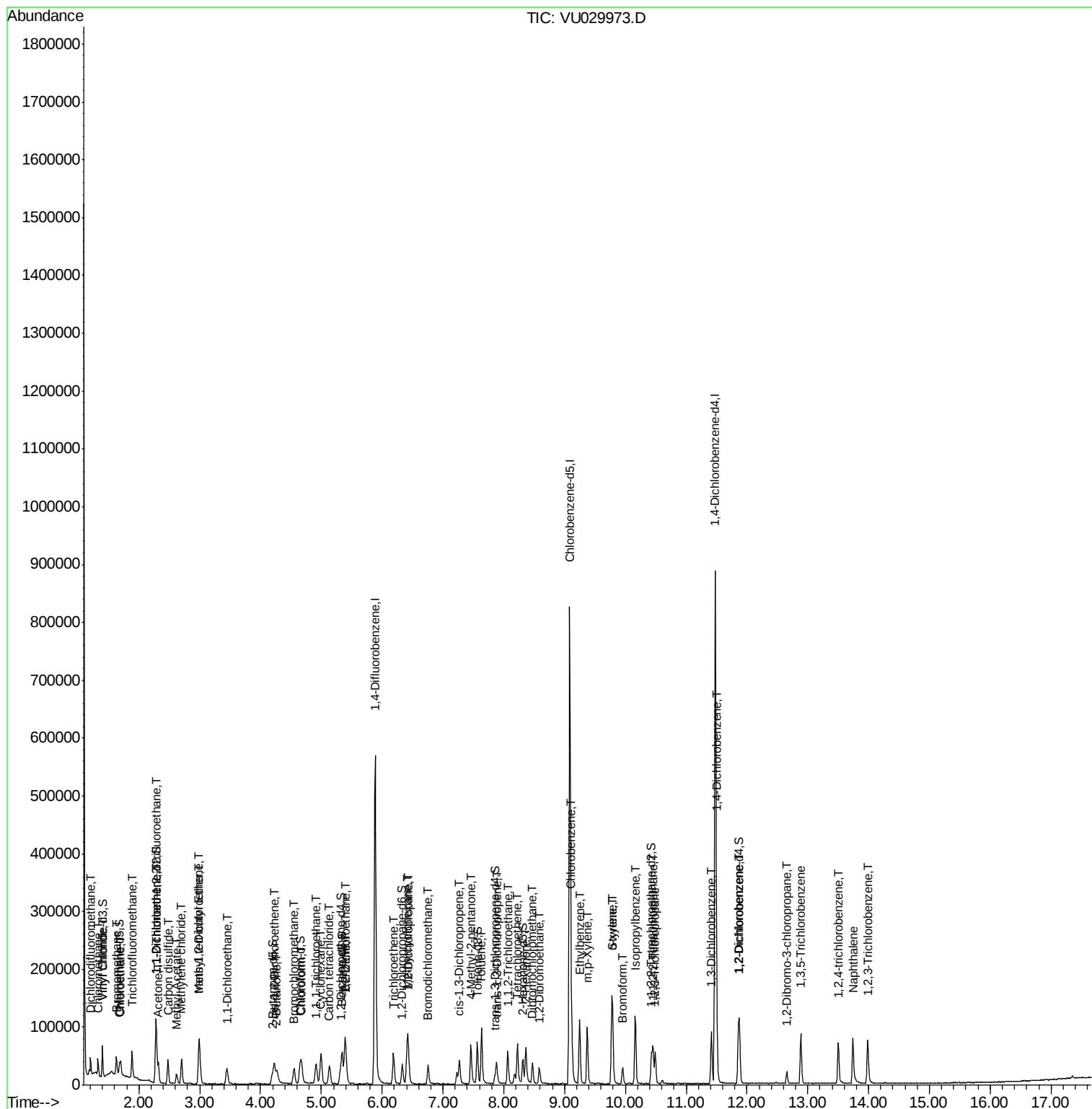
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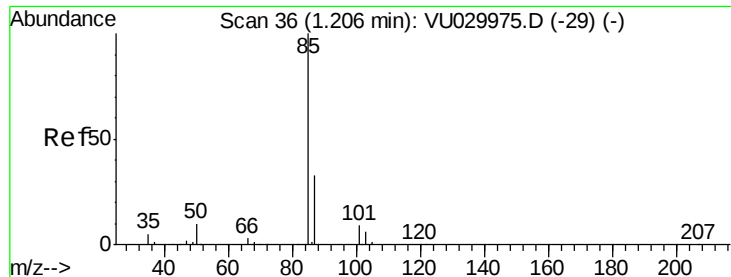
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#2

Dichlorodifluoromethane

Concen: 4.371 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

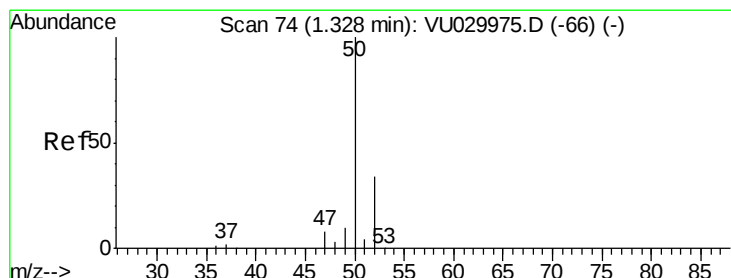
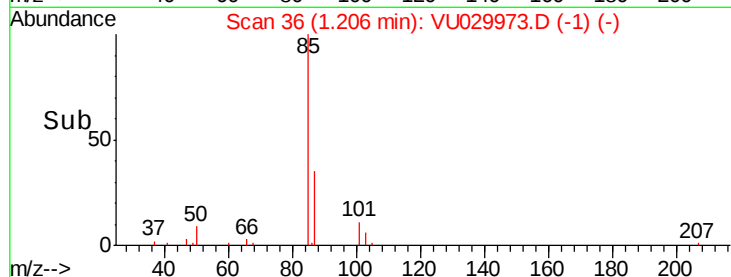
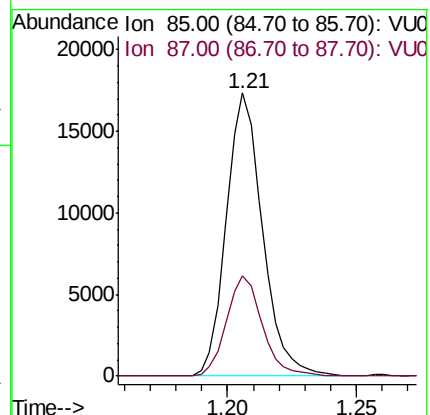
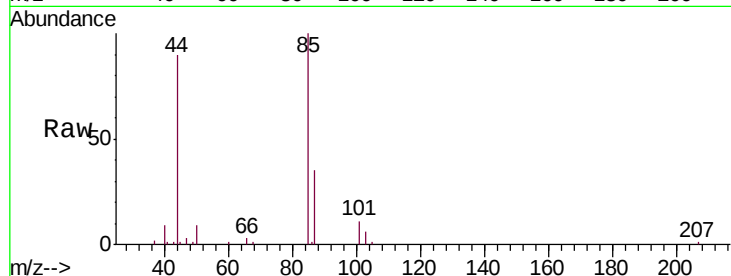
VSTD00543

Tgt Ion: 85 Resp: 16973

Ion Ratio Lower Upper

85 100

87 34.8 26.4 39.6



#3

Chloromethane

Concen: 3.861 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029973.D

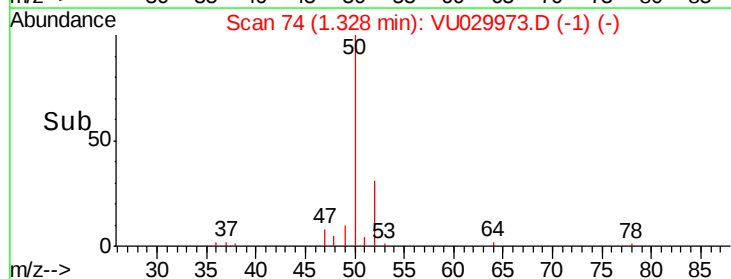
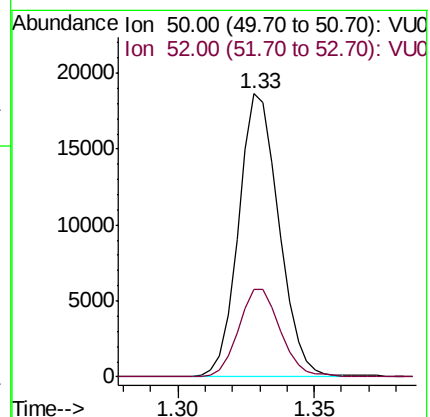
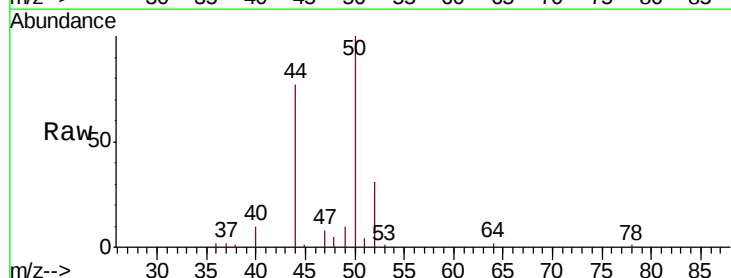
Acq: 11 Mar 2019 18:00

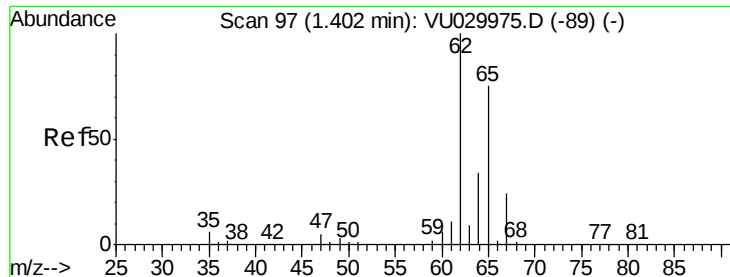
Tgt Ion: 50 Resp: 19197

Ion Ratio Lower Upper

50 100

52 30.8 23.4 43.6





#5

Vinyl chloride

Concen: 5.054 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

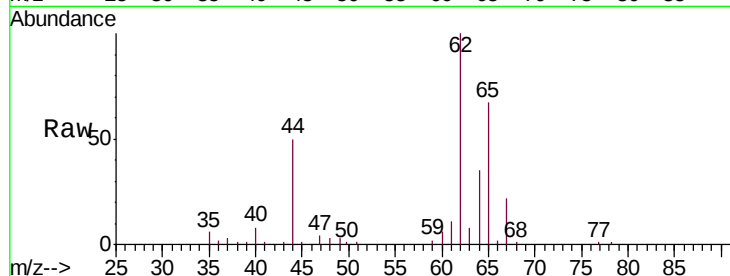
VSTD00543

Tgt Ion: 62 Resp: 20470

Ion Ratio Lower Upper

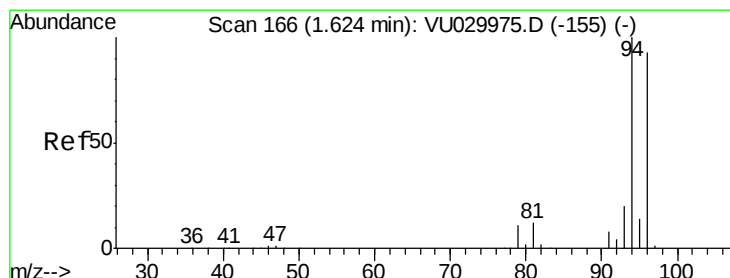
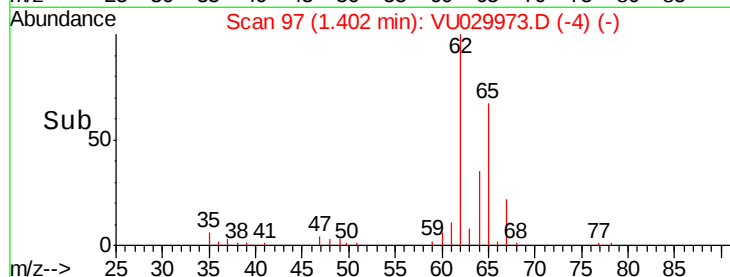
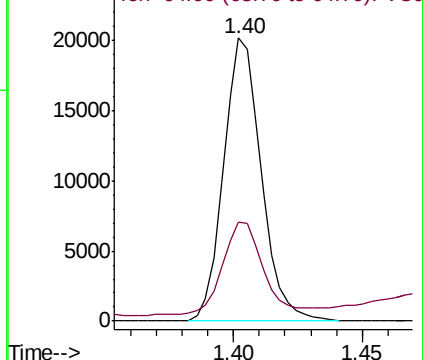
62 100

64 35.1 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 9.483 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029973.D

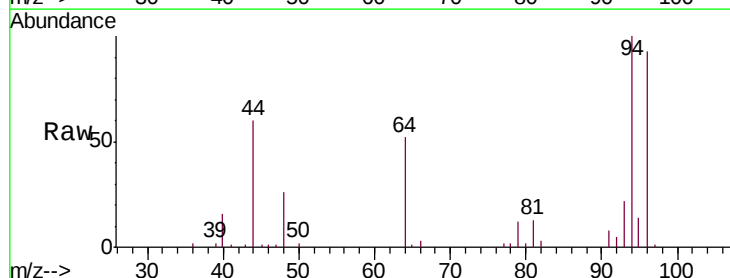
Acq: 11 Mar 2019 18:00

Tgt Ion: 94 Resp: 13050

Ion Ratio Lower Upper

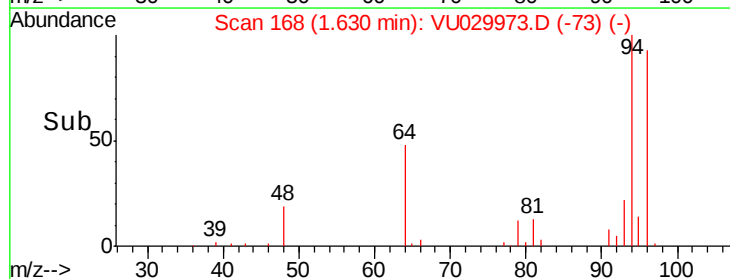
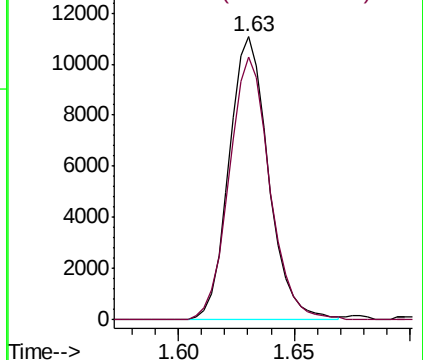
94 100

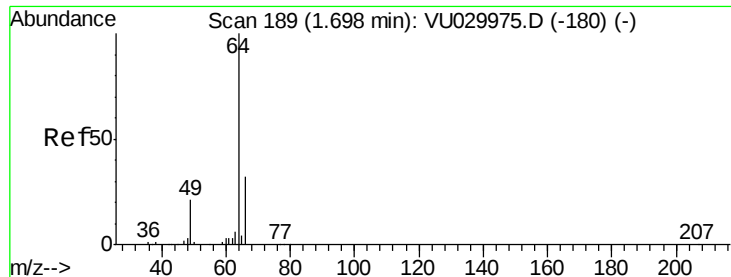
96 92.9 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 6.567 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

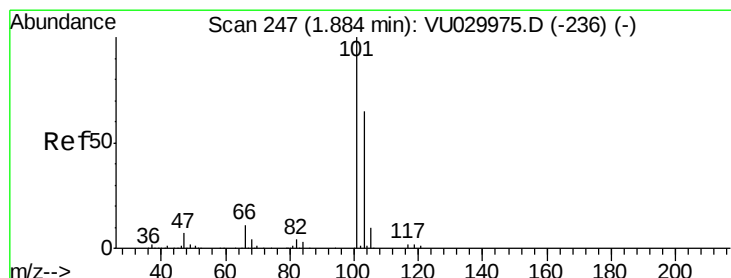
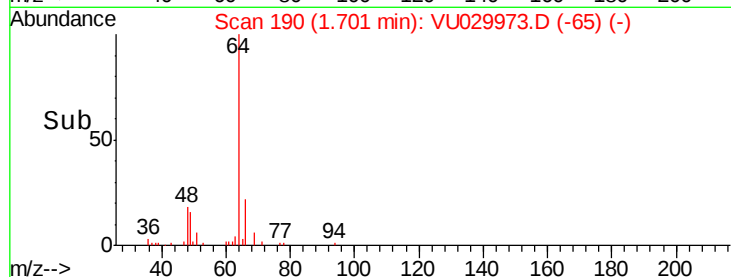
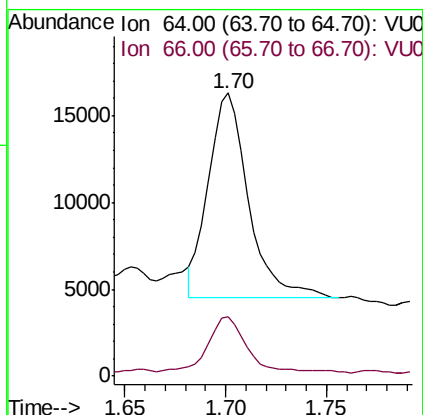
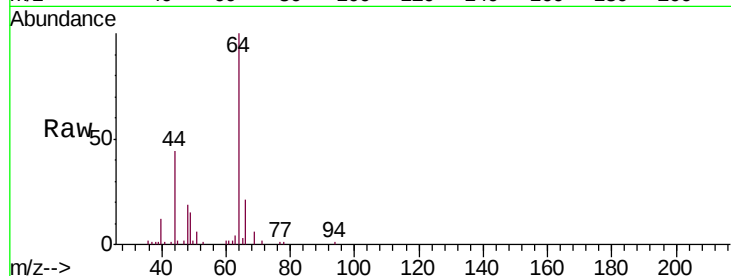
VSTD00543

Tgt Ion: 64 Resp: 16406

Ion Ratio Lower Upper

64 100

66 20.9 21.3 39.6#



#9

Trichlorofluoromethane

Concen: 5.189 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029973.D

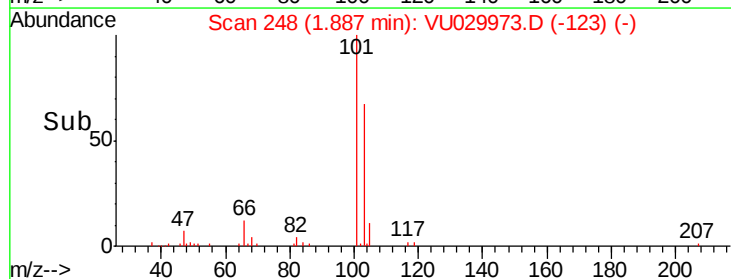
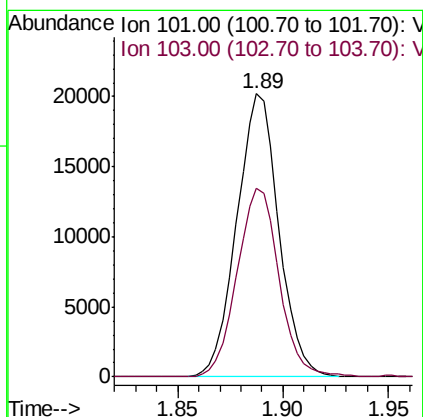
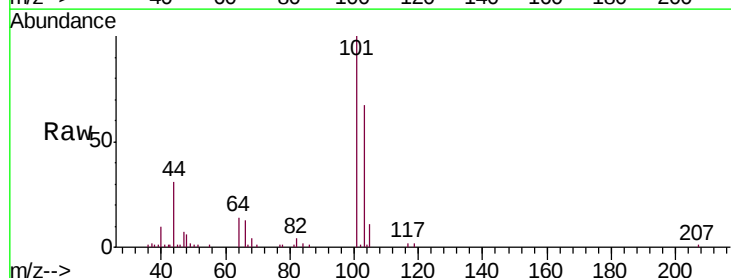
Acq: 11 Mar 2019 18:00

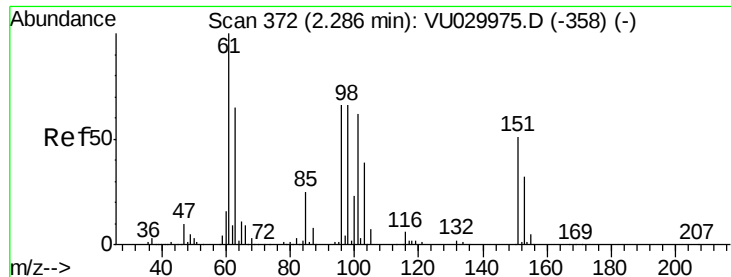
Tgt Ion: 101 Resp: 27907

Ion Ratio Lower Upper

101 100

103 66.5 52.5 78.7





#10

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

Concen: 5.367 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

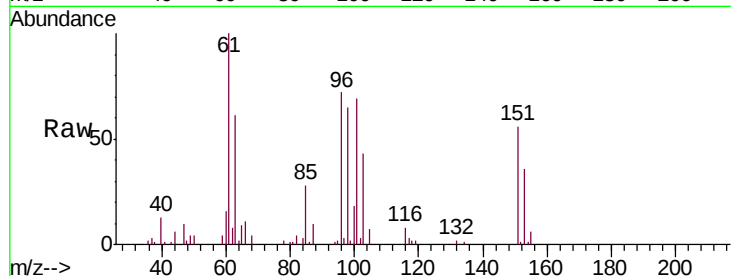
Tgt Ion: 101 Resp: 17958

Ion Ratio Lower Upper

101 100

85 40.9 33.0 49.4

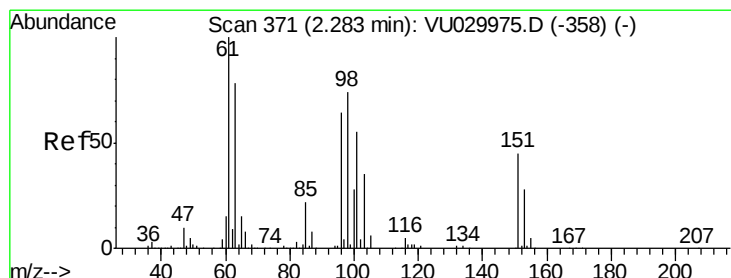
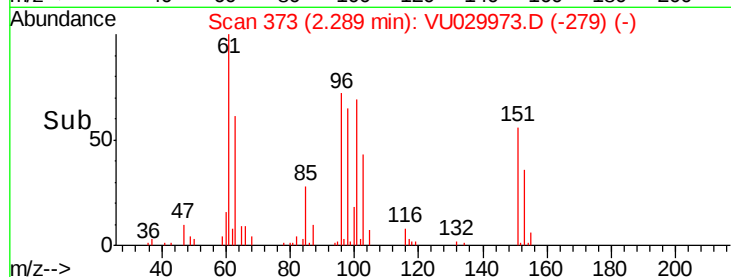
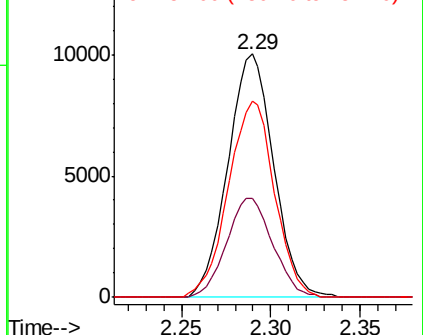
151 81.3 66.1 99.1



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: 5.336 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

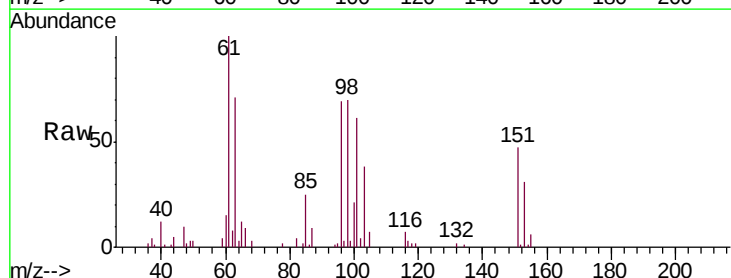
Tgt Ion: 96 Resp: 17233

Ion Ratio Lower Upper

96 100

61 144.1 110.4 205.0

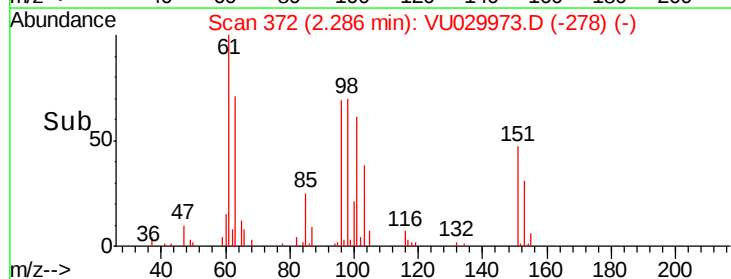
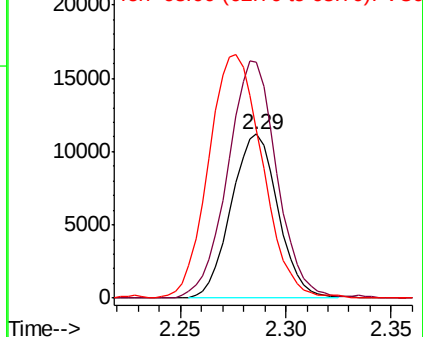
63 102.2 86.5 160.7

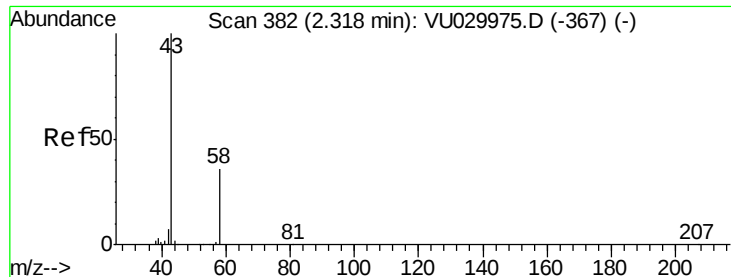


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.601 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

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ClientSampleId :

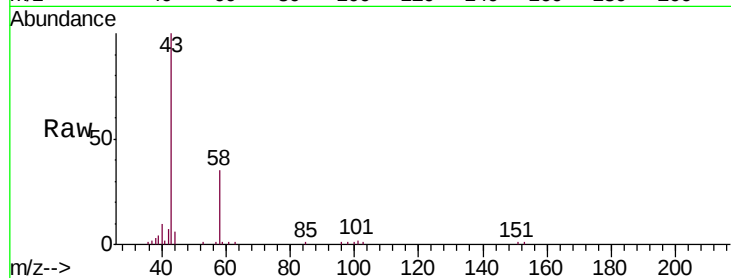
VSTD00543

Tgt Ion: 43 Resp: 34612

Ion Ratio Lower Upper

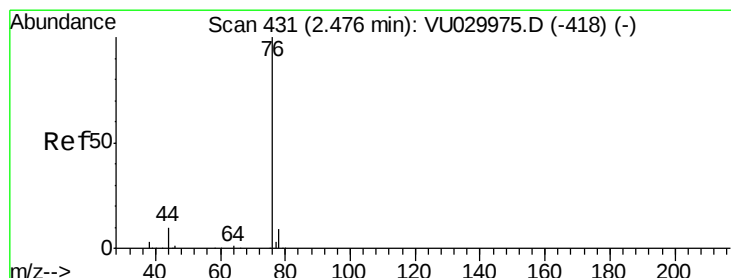
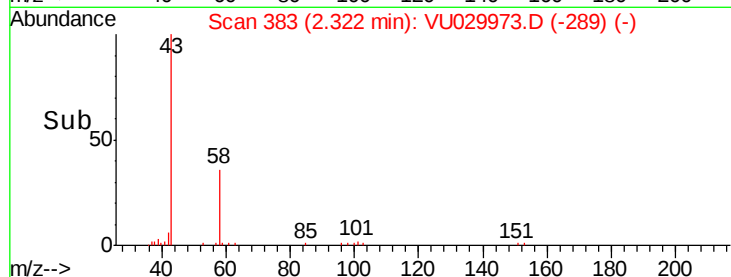
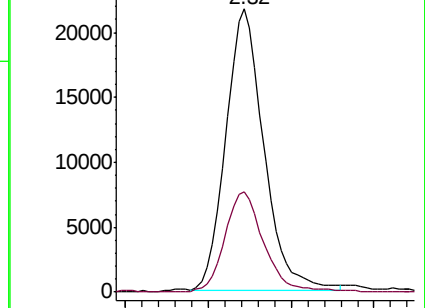
43 100

58 36.0 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU029973.D (-367) (-)

Ion 58.00 (57.70 to 58.70): VU029973.D (-367) (-)



#14

Carbon disulfide

Concen: 5.175 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VU029973.D

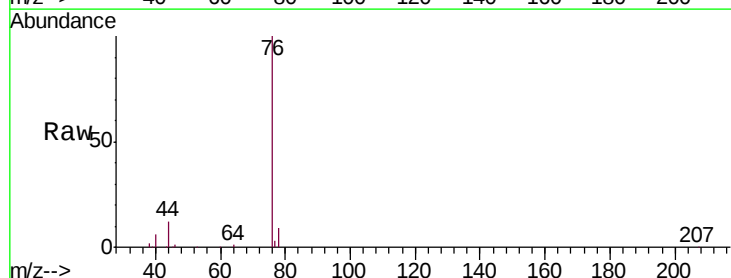
Acq: 11 Mar 2019 18:00

Tgt Ion: 76 Resp: 52079

Ion Ratio Lower Upper

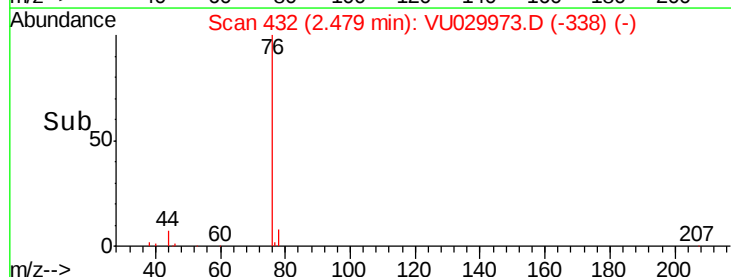
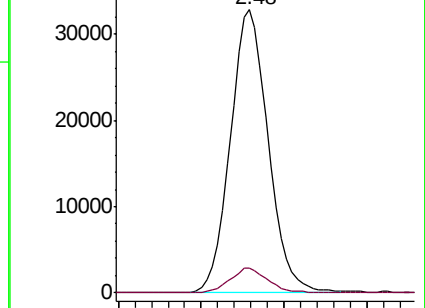
76 100

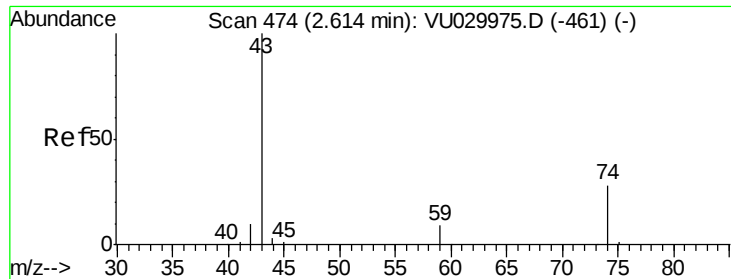
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU029973.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU029973.D (-418) (-)





#15

Methyl Acetate

Concen: 5.265 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.00 min

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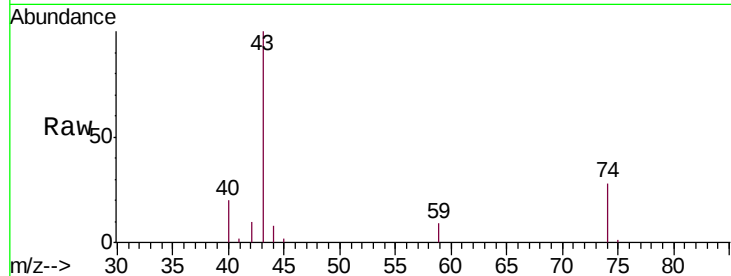
VSTD00543

Tgt Ion: 43 Resp: 19723

Ion Ratio Lower Upper

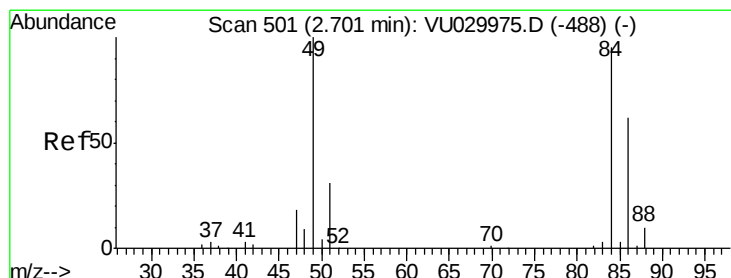
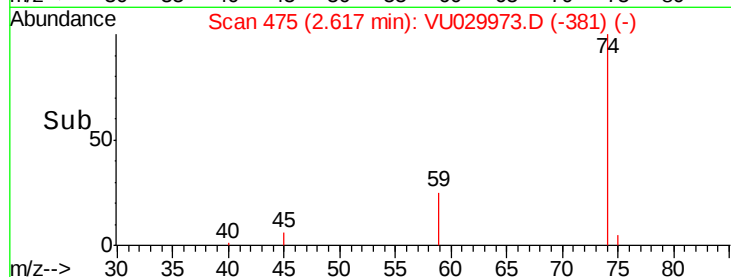
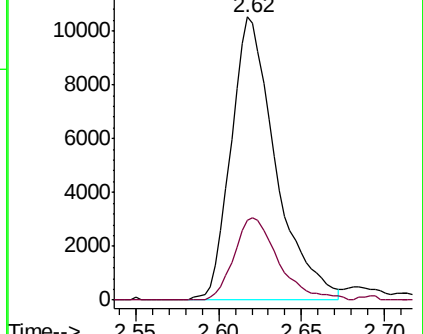
43 100

74 28.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VU029973.D (-461) (-)

Ion 74.00 (73.70 to 74.70): VU029973.D (-461) (-)



#16

Methylene chloride

Concen: 5.430 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

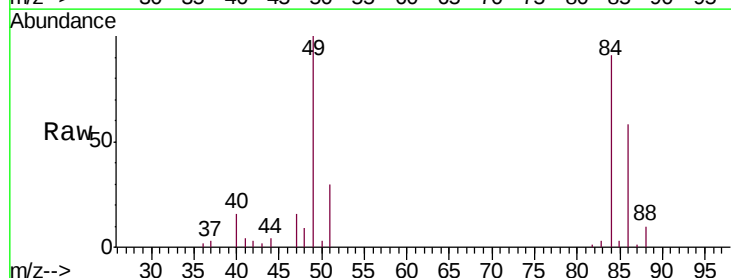
Tgt Ion: 84 Resp: 20625

Ion Ratio Lower Upper

84 100

86 63.6 45.2 84.0

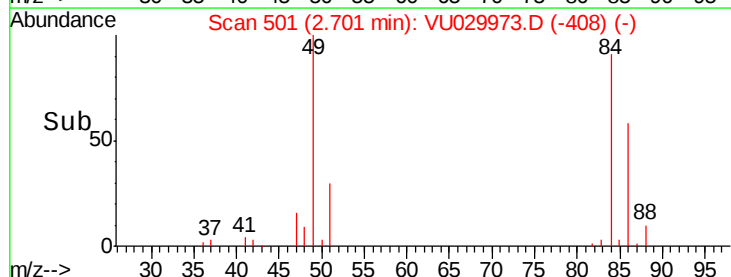
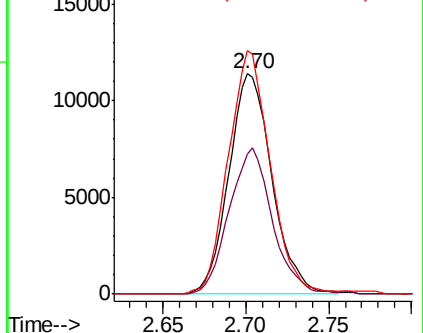
49 110.5 73.6 136.6

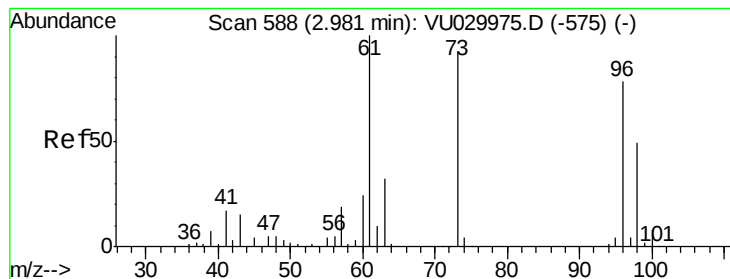


Abundance Ion 84.00 (83.70 to 84.70): VU029973.D (-408) (-)

Ion 86.00 (85.70 to 86.70): VU029973.D (-408) (-)

Ion 49.00 (48.70 to 49.70): VU029973.D (-408) (-)





#17

trans-1,2-Dichloroethene

Concen: 5.380 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

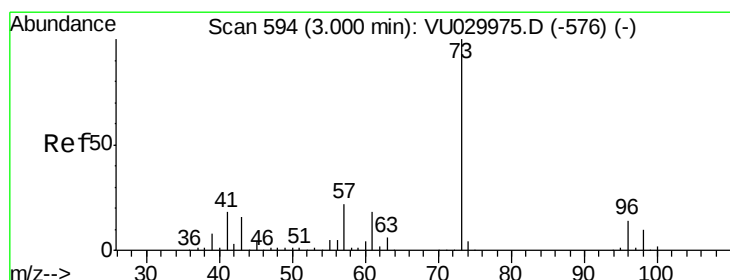
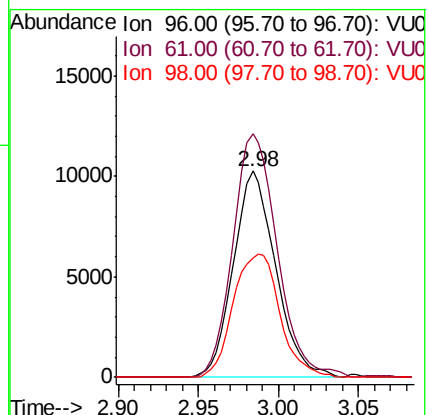
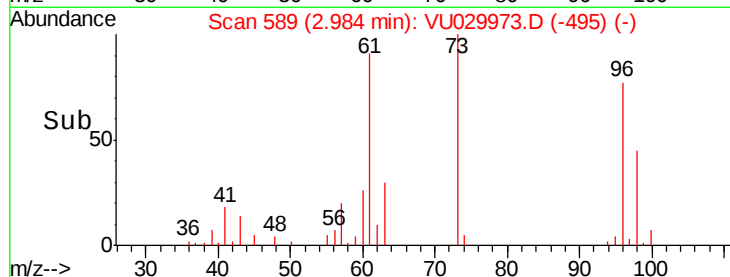
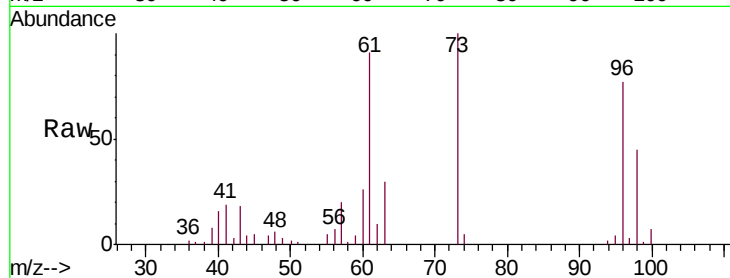
Tgt Ion: 96 Resp: 18567

Ion Ratio Lower Upper

96 100

61 118.3 89.4 166.0

98 58.0 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 5.804 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

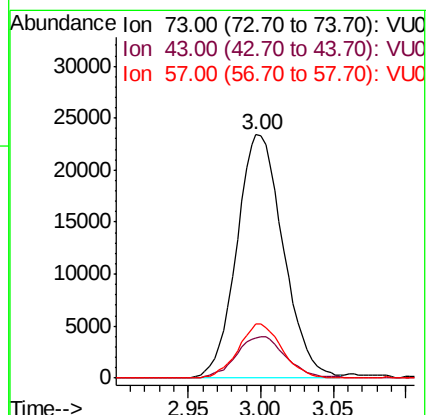
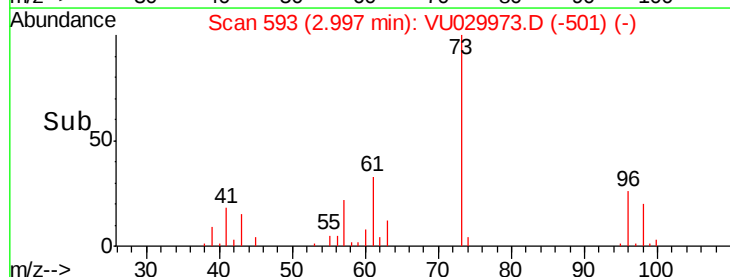
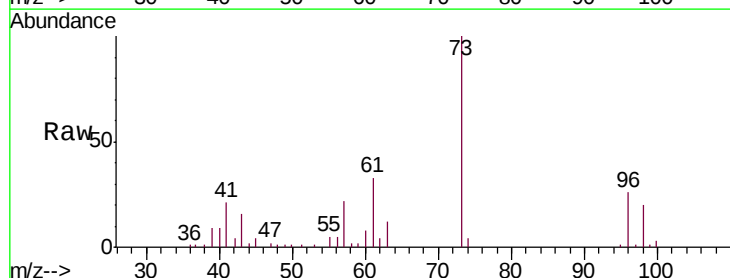
Tgt Ion: 73 Resp: 52228

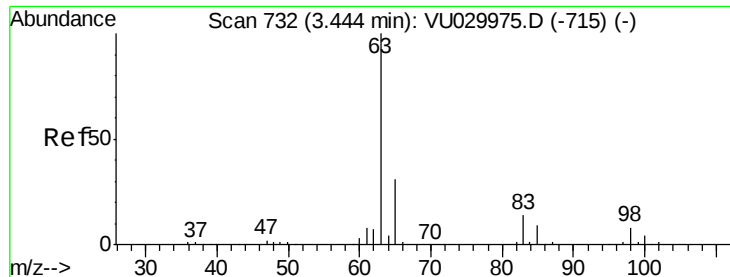
Ion Ratio Lower Upper

73 100

43 18.0 13.1 19.7

57 20.9 17.1 25.7

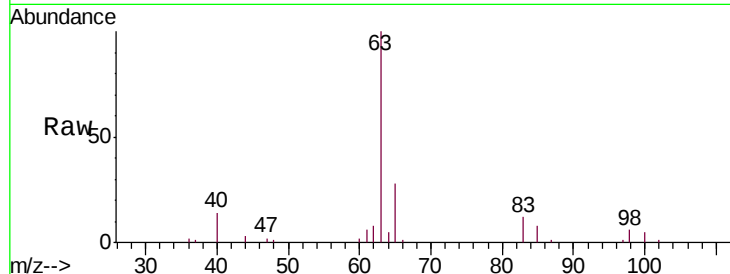




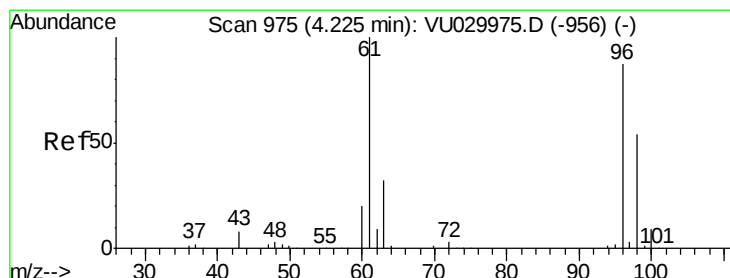
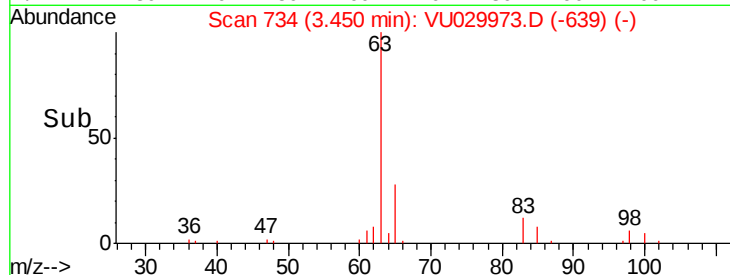
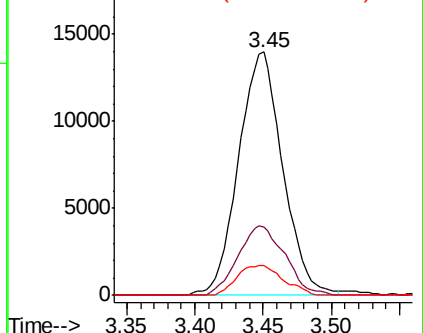
#19
 1,1-Dichloroethane
 Concen: 5.300 ug/L
 RT: 3.45 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion: 63 Resp: 31446
 Ion Ratio Lower Upper
 63 100
 65 28.0 22.0 41.0
 83 12.0 9.7 18.1

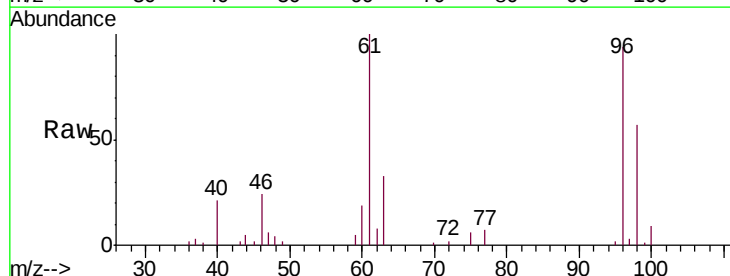


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

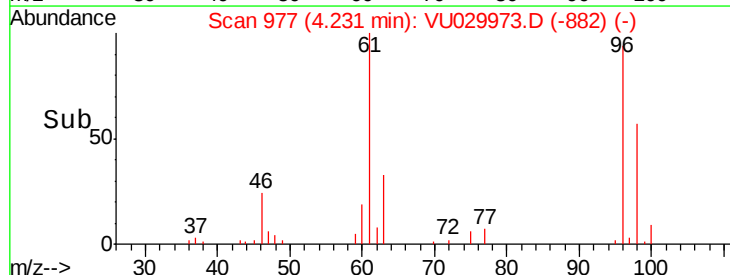
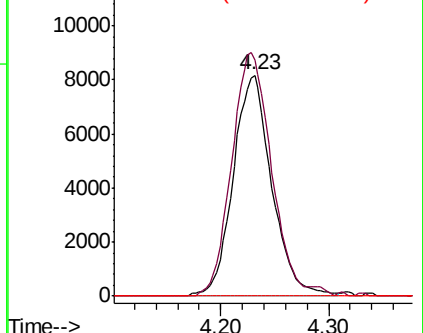


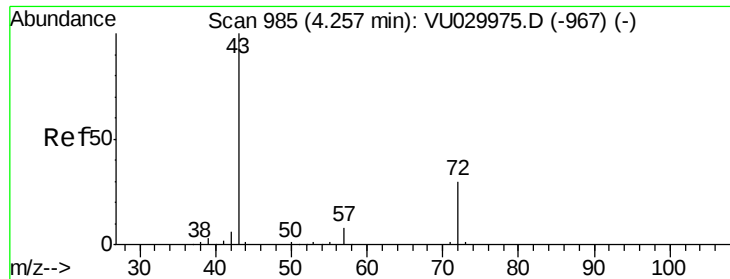
#20
 cis-1,2-Dichloroethene
 Concen: 5.163 ug/L
 RT: 4.23 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

Tgt Ion: 96 Resp: 20337
 Ion Ratio Lower Upper
 96 100
 61 106.6 80.8 150.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 10.677 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.01 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

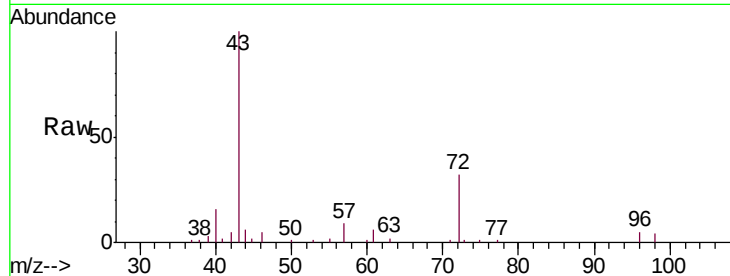
VSTD00543

Tgt Ion: 43 Resp: 33662

Ion Ratio Lower Upper

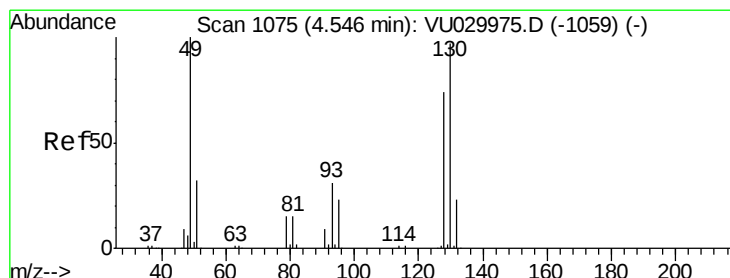
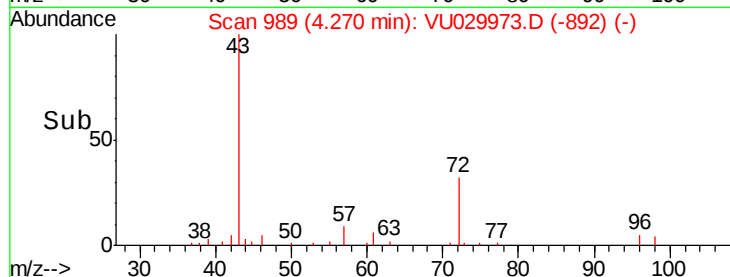
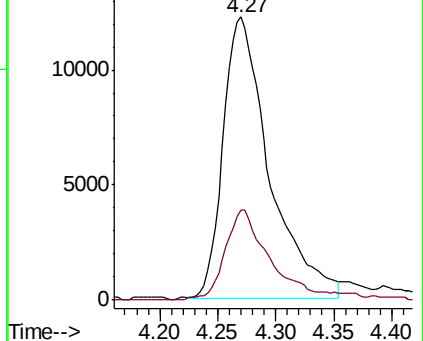
43 100

72 27.8 15.3 45.9



Abundance Ion 43.00 (42.70 to 43.70): VU029975.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU029975.D (-967) (-)



#23

Bromochloromethane

Concen: 5.396 ug/L

RT: 4.55 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Tgt Ion: 128 Resp: 10743

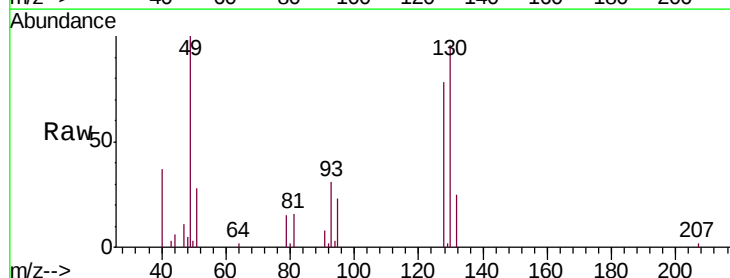
Ion Ratio Lower Upper

128 100

49 128.9 94.5 175.5

130 123.3 91.4 169.8

51 35.8 34.2 51.2

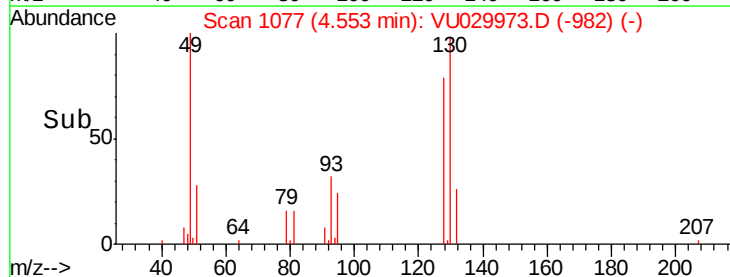
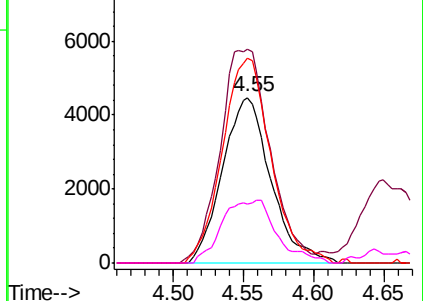


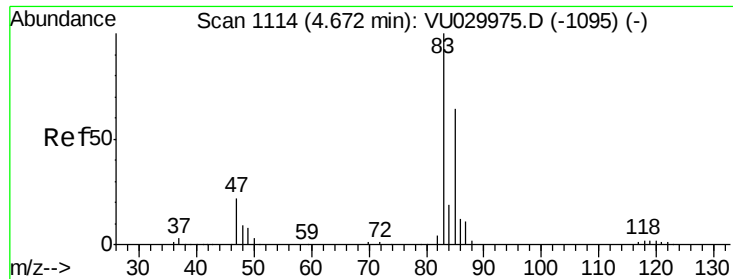
Abundance Ion 128.00 (127.70 to 128.70): VU029975.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029975.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029975.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029975.D (-1059) (-)

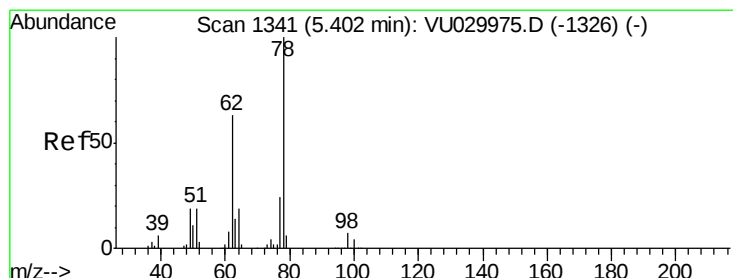
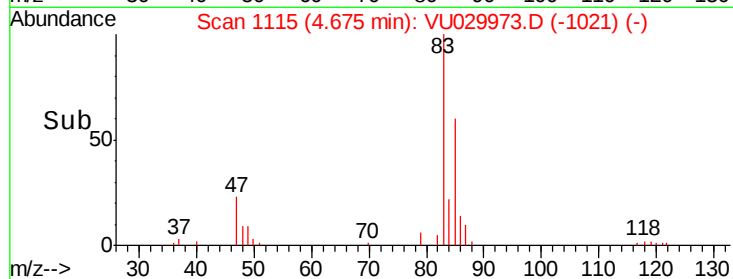
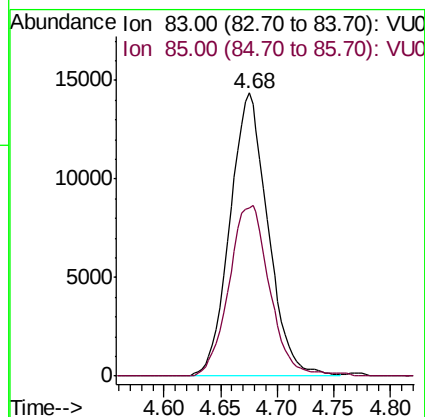
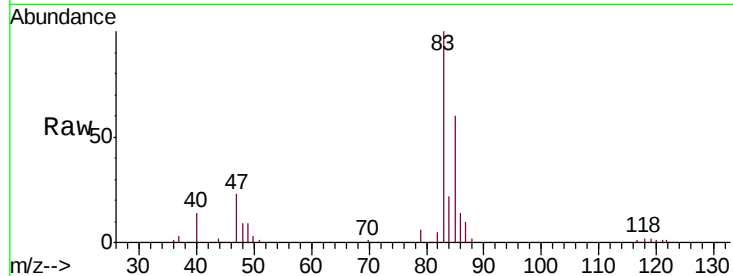




#25
Chloroform
Concen: 5.259 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VU029973.D
Acq: 11 Mar 2019 18:00

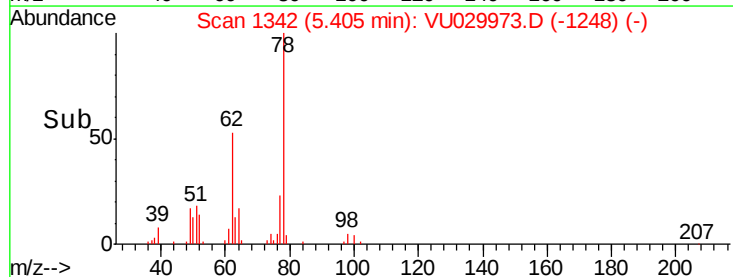
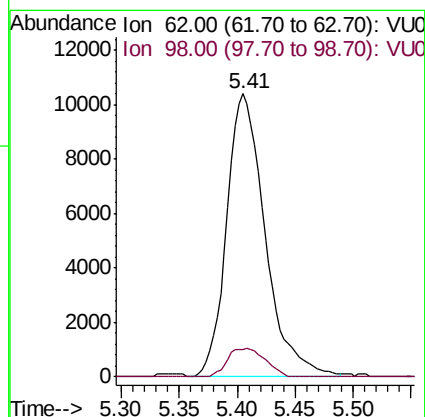
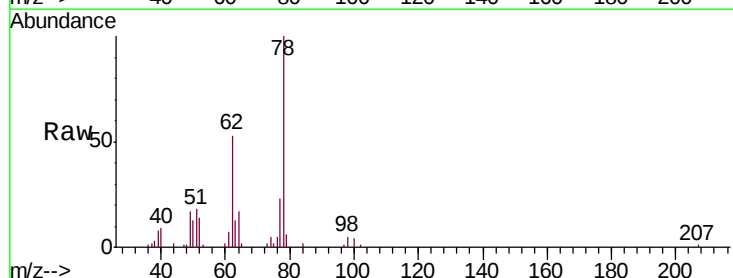
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

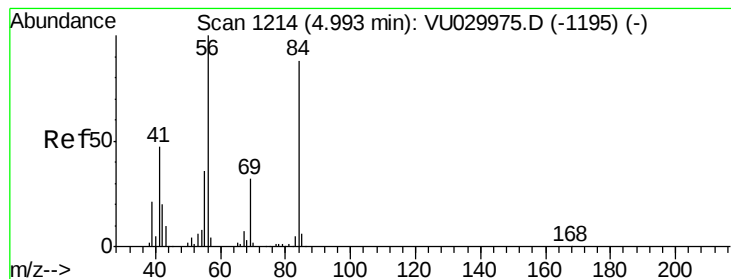
Tgt Ion: 83 Resp: 33595
Ion Ratio Lower Upper
83 100
85 59.5 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.278 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029973.D
Acq: 11 Mar 2019 18:00

Tgt Ion: 62 Resp: 23918
Ion Ratio Lower Upper
62 100
98 9.7 8.8 13.2





#29

Cyclohexane

Concen: 5.375 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

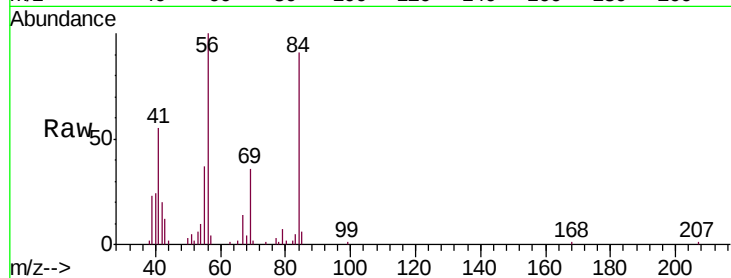
Tgt Ion: 56 Resp: 28059

Ion Ratio Lower Upper

56 100

69 31.9 25.3 37.9

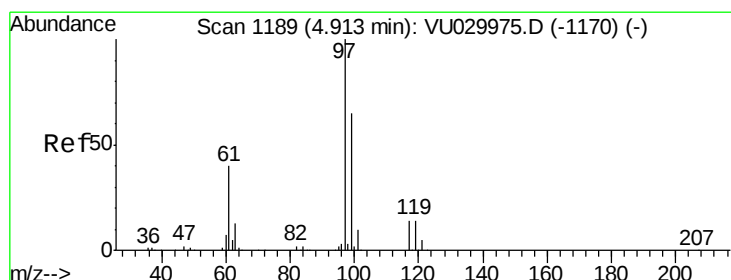
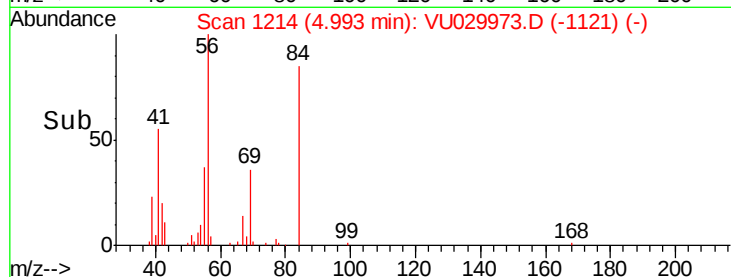
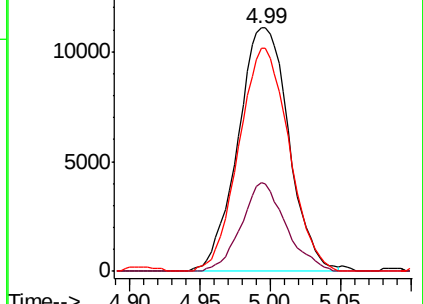
84 89.9 73.5 110.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 5.543 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

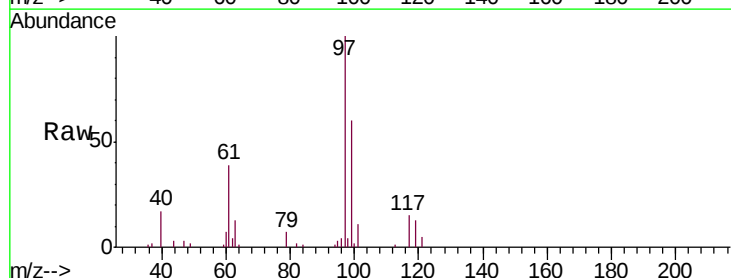
Tgt Ion: 97 Resp: 28281

Ion Ratio Lower Upper

97 100

99 64.9 52.2 78.2

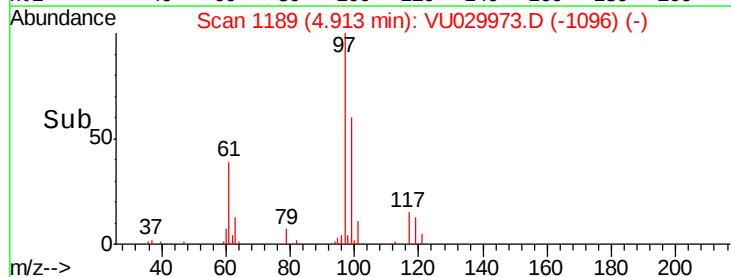
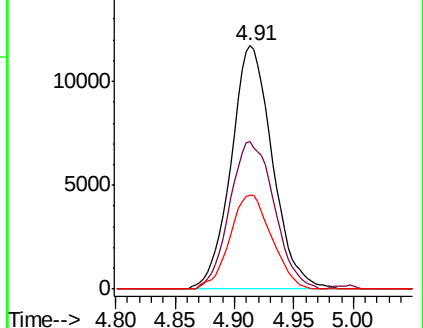
61 39.1 32.2 48.4

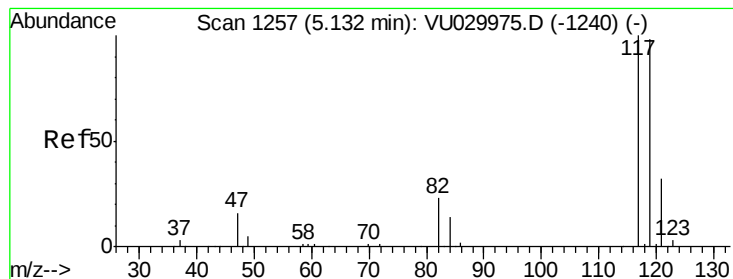


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 5.410 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

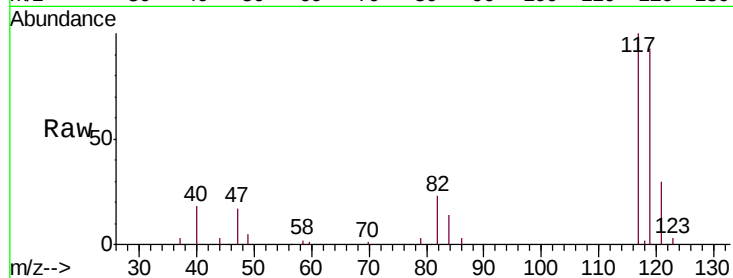
VSTD00543

Tgt Ion:117 Resp: 24519

Ion Ratio Lower Upper

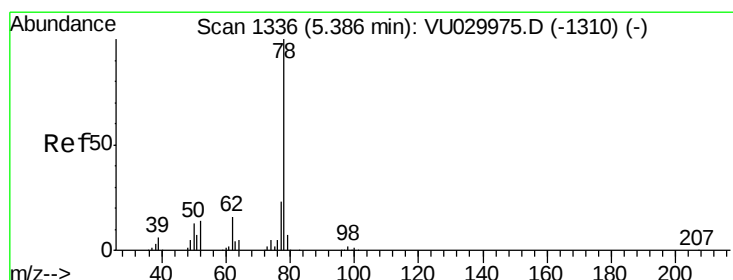
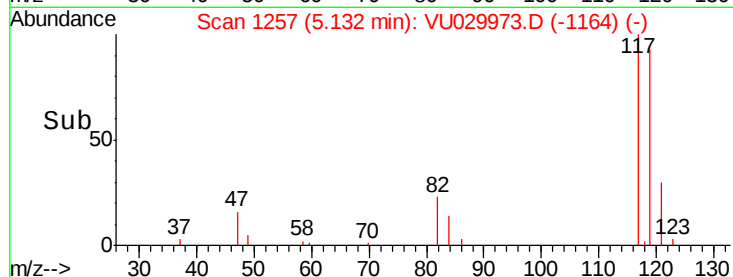
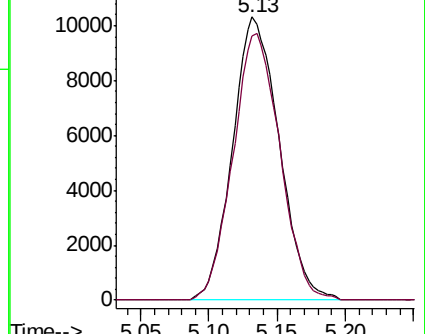
117 100

119 94.6 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.448 ug/L

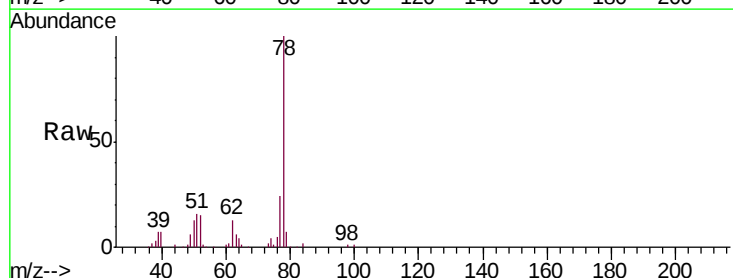
RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

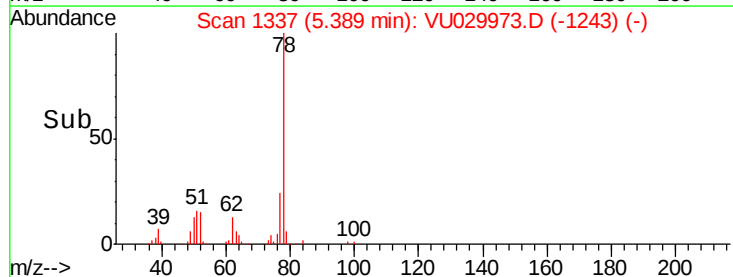
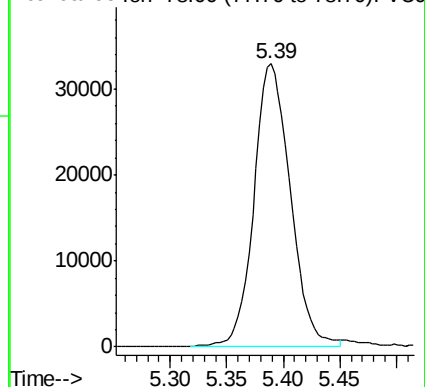
Lab File: VU029973.D

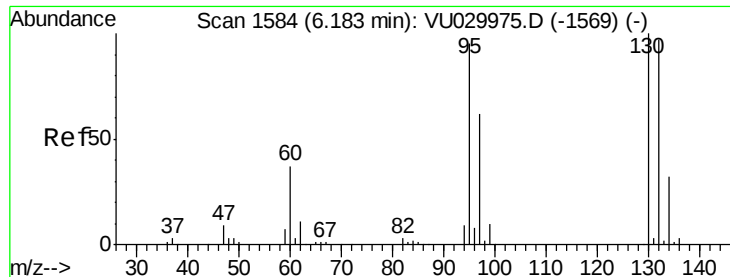
Acq: 11 Mar 2019 18:00

Tgt Ion: 78 Resp: 73816



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 5.246 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

Tgt Ion: 95 Resp: 19190

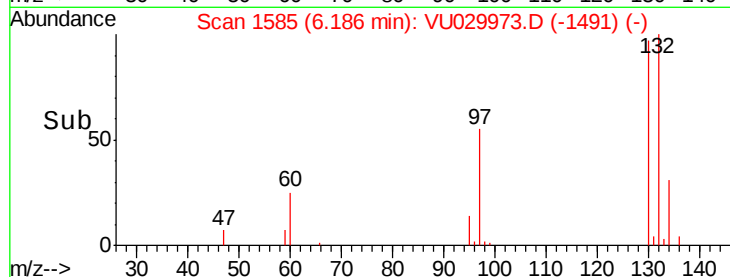
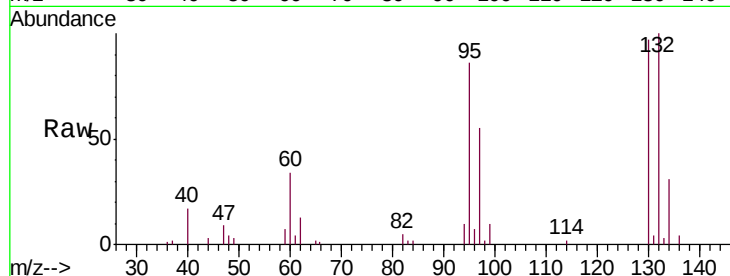
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 116.7 71.5 132.7

130 113.0 73.5 136.5

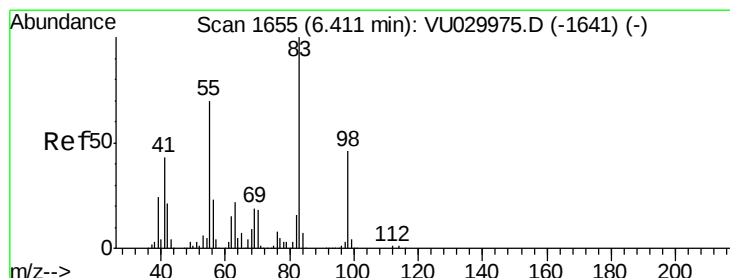
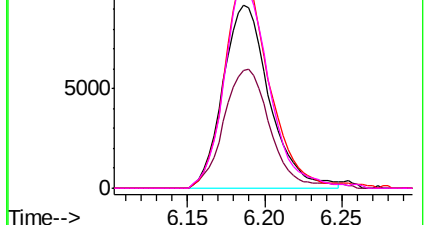


Abundance Ion 95.00 (94.70 to 95.70): VU029973.D (-1491) (-)

Ion 97.00 (96.70 to 97.70): VU029973.D (-1491) (-)

Ion 132.00 (131.70 to 132.70): VU029973.D (-1491) (-)

Ion 130.00 (129.70 to 130.70): VU029973.D (-1491) (-)



#35

Methylcyclohexane

Concen: 5.264 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

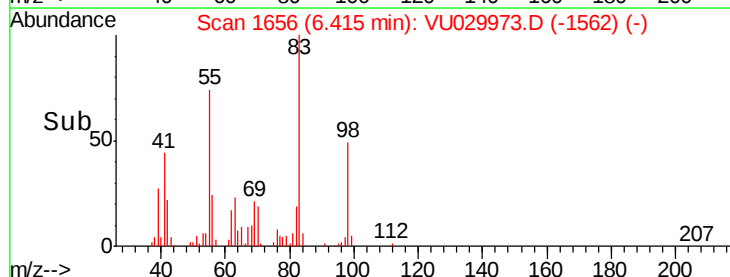
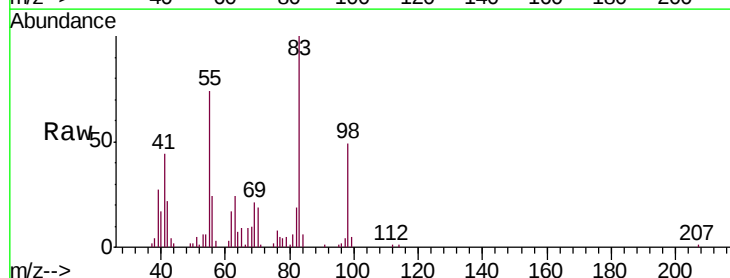
Tgt Ion: 83 Resp: 30667

Ion Ratio Lower Upper

83 100

55 70.9 56.6 84.8

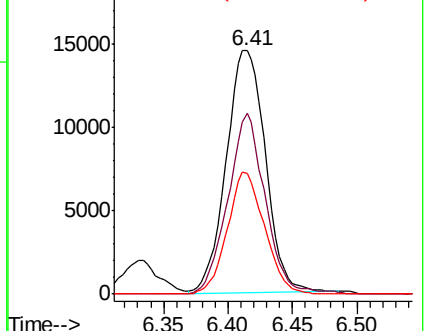
98 47.8 37.8 56.6

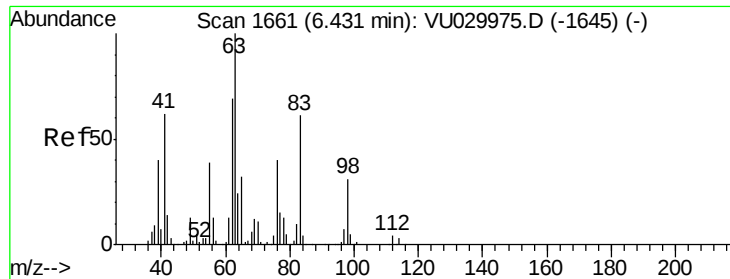


Abundance Ion 83.00 (82.70 to 83.70): VU029973.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU029973.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU029973.D (-1562) (-)

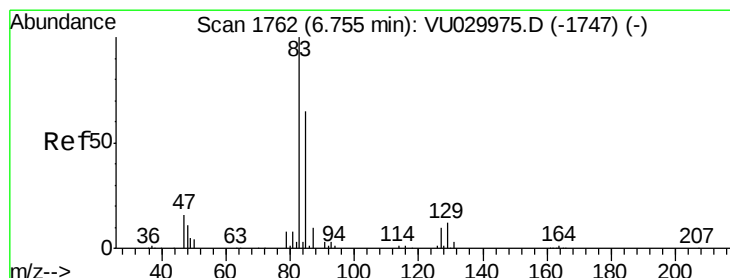
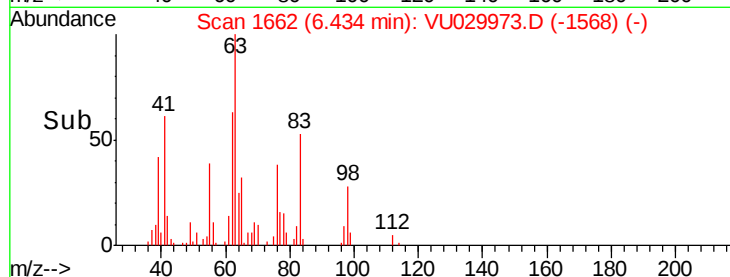
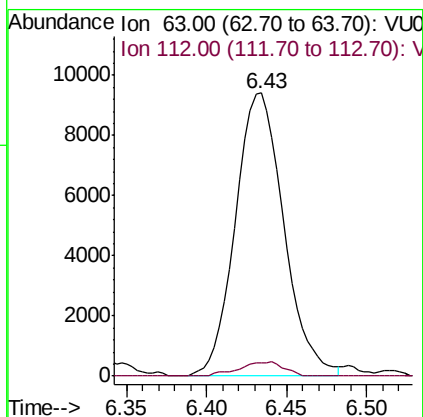
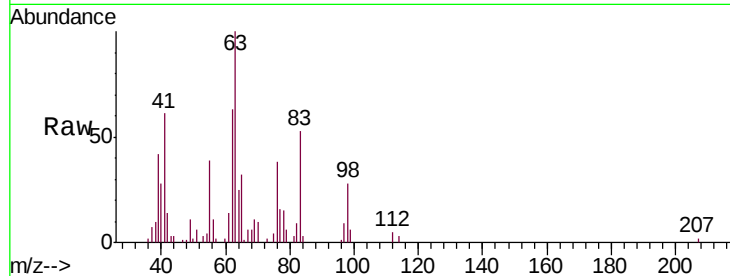




#37
 1,2-Dichloropropane
 Concen: 5.493 ug/L
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

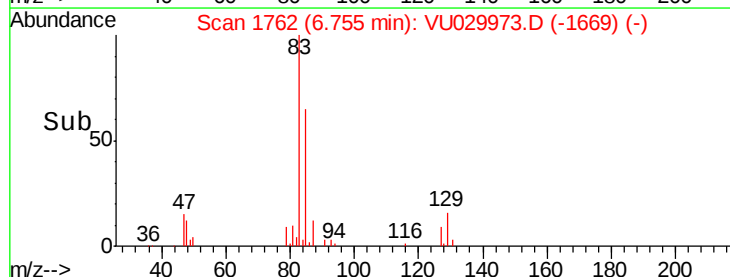
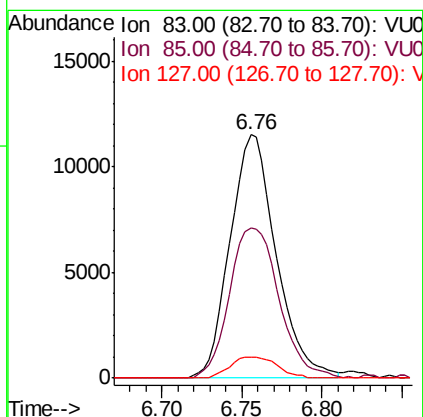
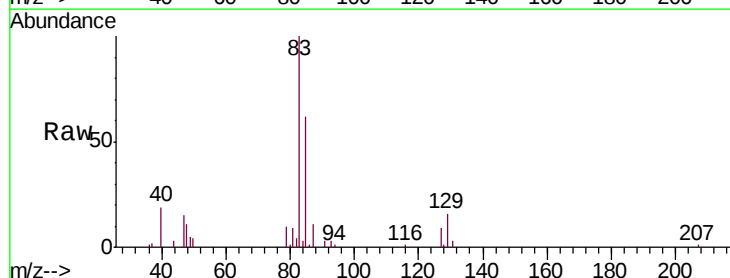
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

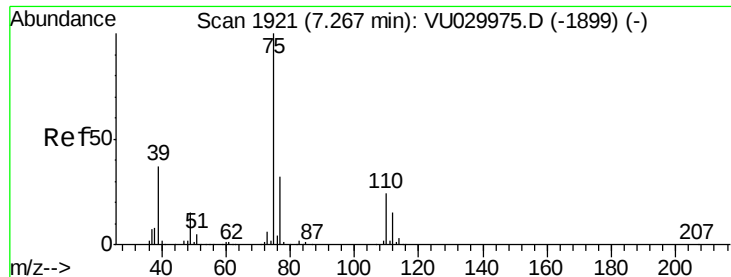
Tgt Ion: 63 Resp: 19503
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 5.108 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

Tgt Ion: 83 Resp: 22633
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.7 84.9
 127 8.7 7.7 11.5

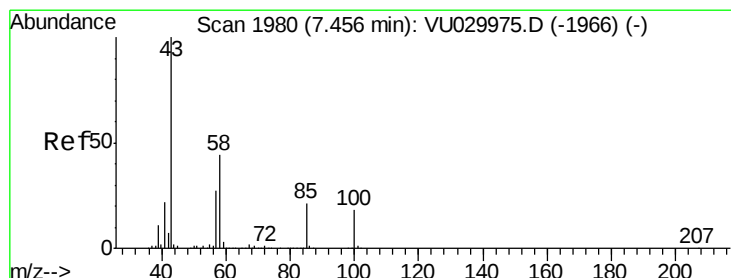
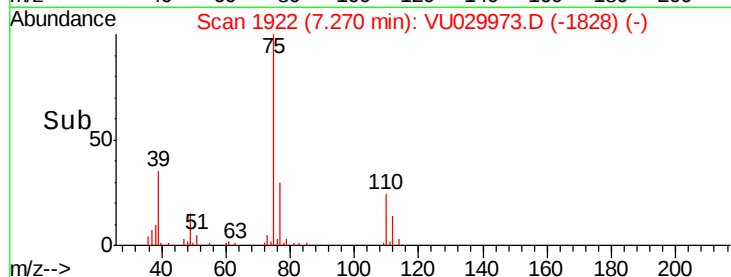
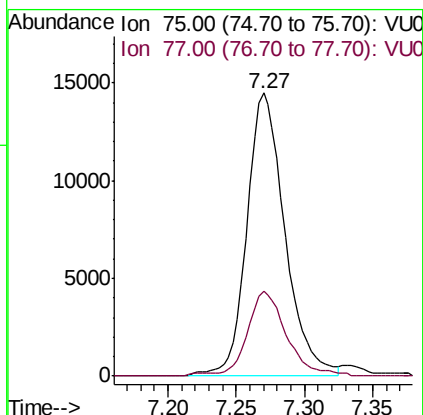
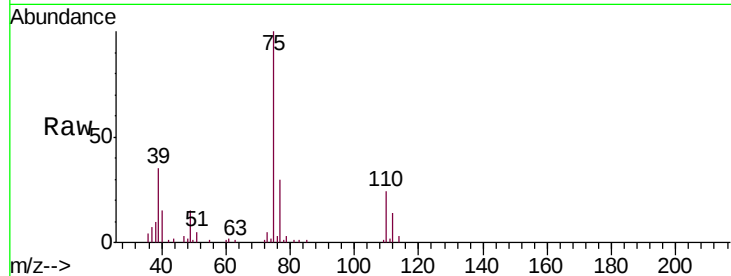




#39
 cis-1,3-Dichloropropene
 Concen: 5.174 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

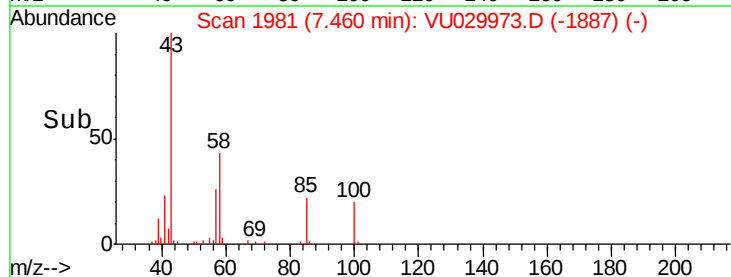
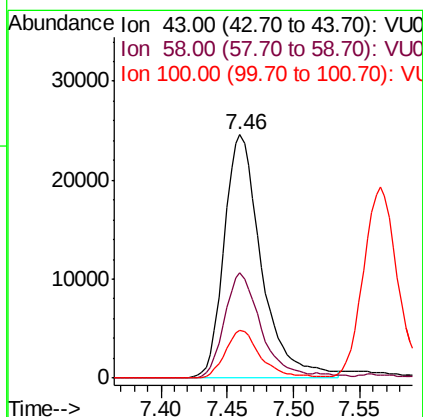
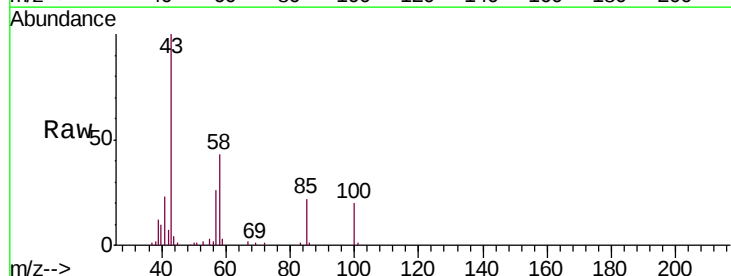
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

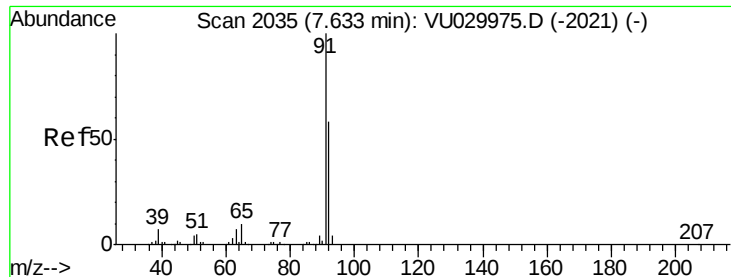
Tgt Ion: 75 Resp: 28130
 Ion Ratio Lower Upper
 75 100
 77 29.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 10.119 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

Tgt Ion: 43 Resp: 48139
 Ion Ratio Lower Upper
 43 100
 58 41.7 35.1 52.7
 100 18.6 14.4 21.6





#42

Toluene

Concen: 5.233 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

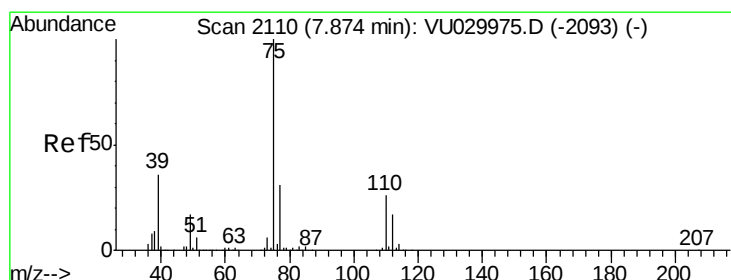
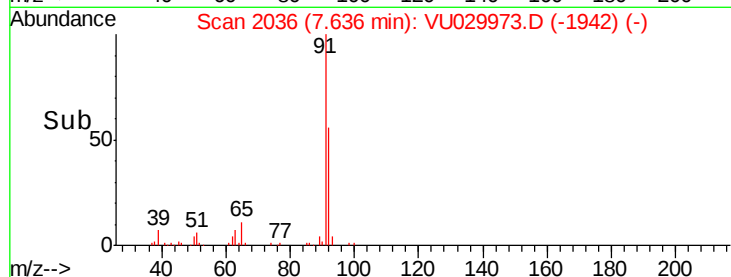
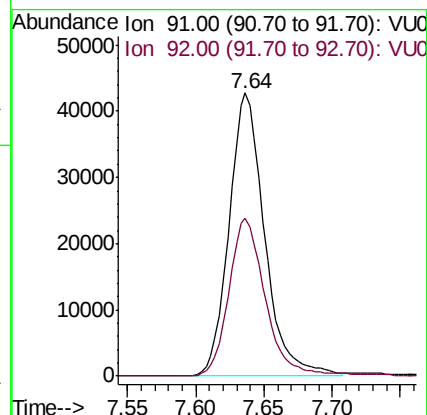
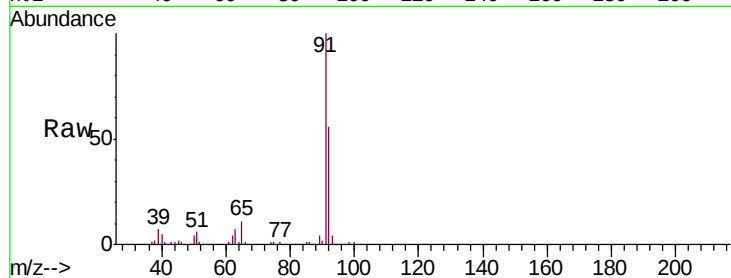
VSTD00543

Tgt Ion: 91 Resp: 77526

Ion Ratio Lower Upper

91 100

92 55.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.236 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU029973.D

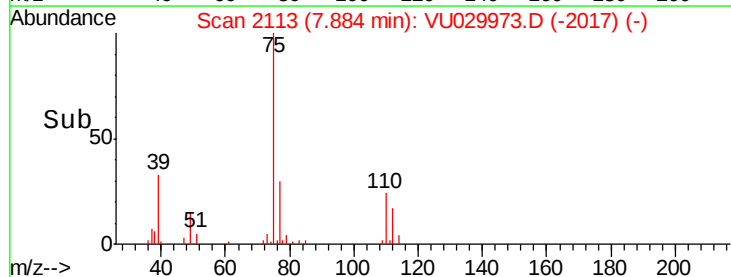
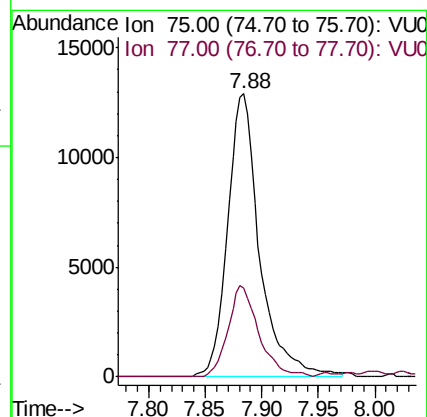
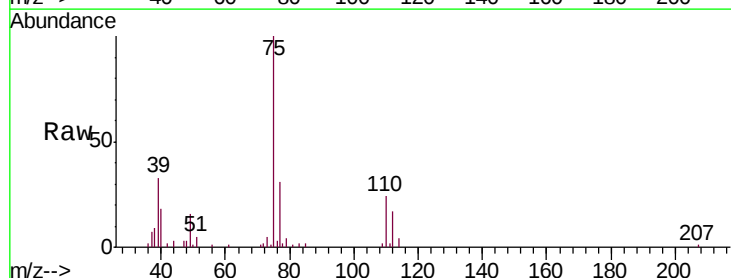
Acq: 11 Mar 2019 18:00

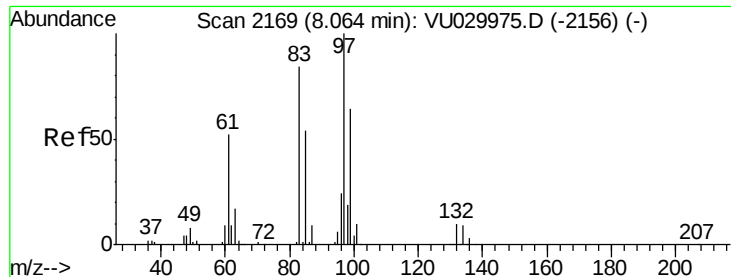
Tgt Ion: 75 Resp: 25391

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

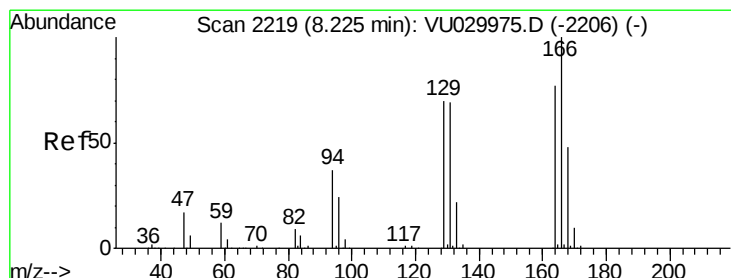
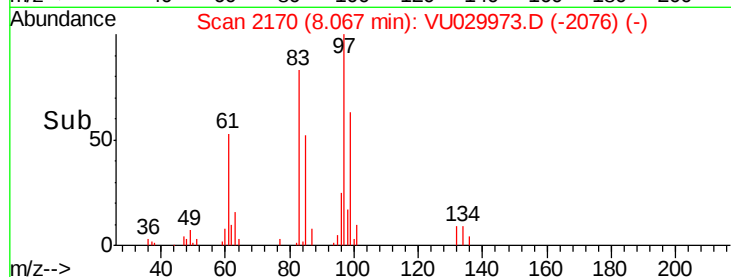
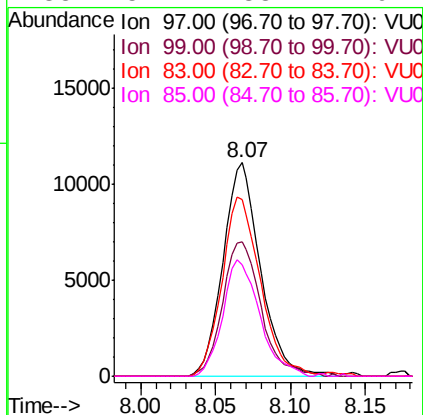
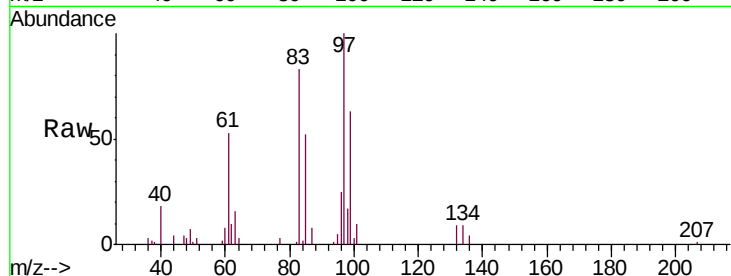




#45
 1,1,2-Trichloroethane
 Concen: 5.404 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

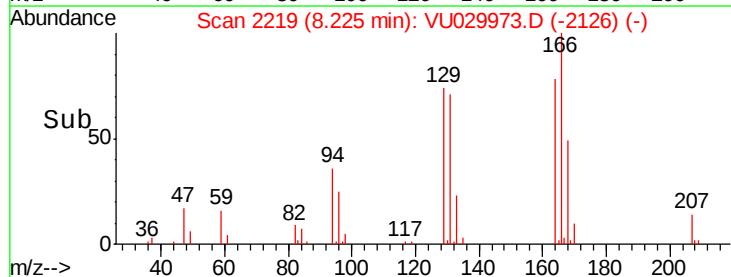
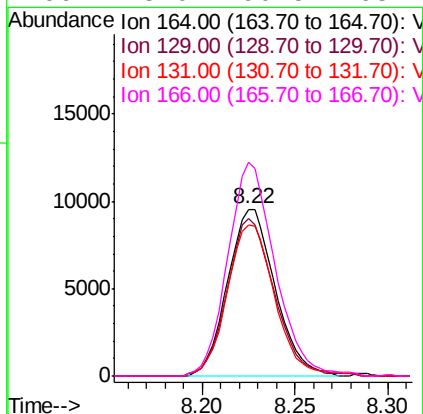
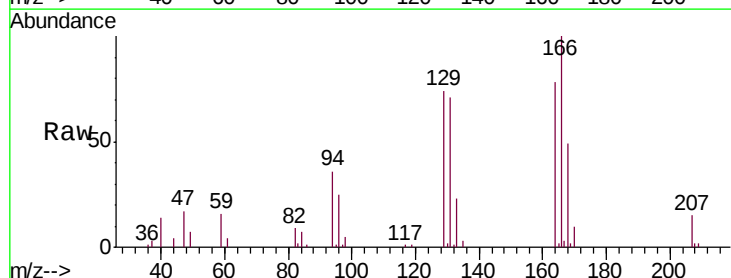
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

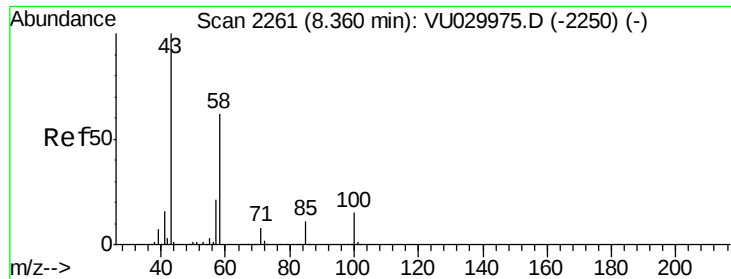
Tgt Ion:	97	Resp:	19451
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.7	82.9
83	82.8	58.6	108.8
85	52.2	38.1	70.7



#46
 Tetrachloroethene
 Concen: 5.413 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

Tgt Ion:	164	Resp:	17022
Ion	Ratio	Lower	Upper
164	100		
129	94.2	63.3	117.7
131	90.8	62.0	115.2
166	128.0	90.5	168.1

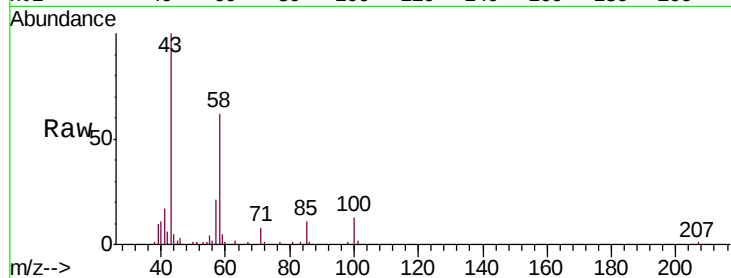




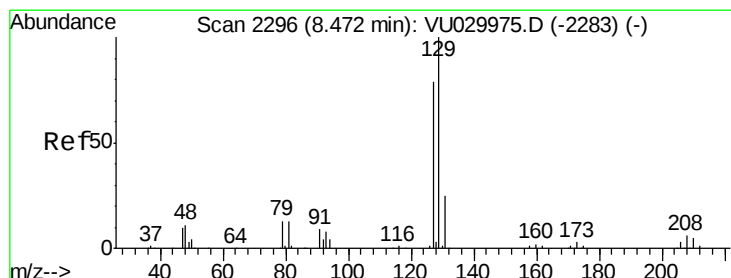
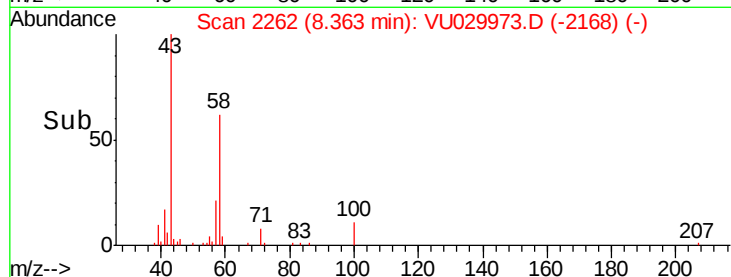
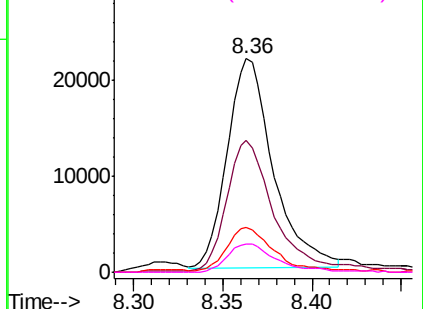
#48
2-Hexanone
Concen: 9.684 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029973.D
Acq: 11 Mar 2019 18:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion:	43	Resp:	39104
Ion	Ratio	Lower	Upper
43	100		
58	64.1	48.6	72.8
57	22.5	16.1	24.1
100	14.4	11.6	17.4

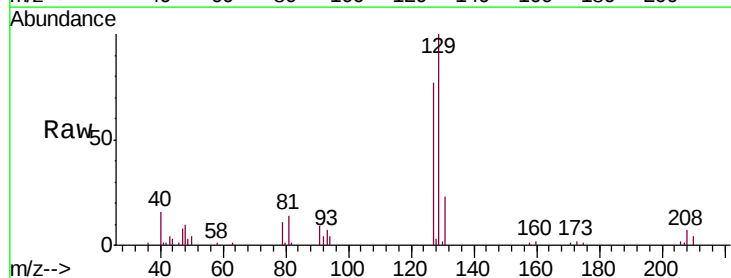


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

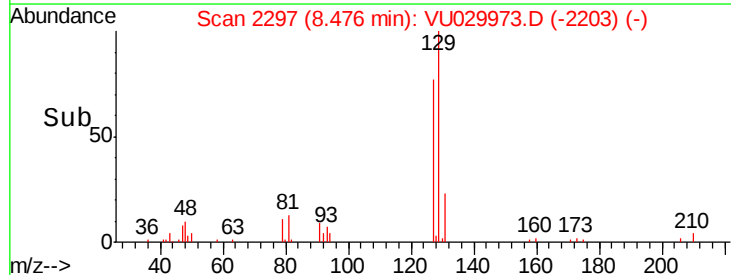
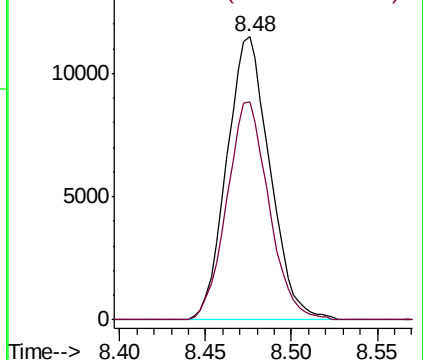


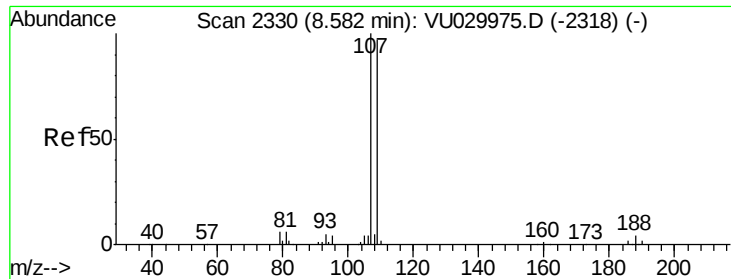
#49
Dibromochloromethane
Concen: 5.045 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029973.D
Acq: 11 Mar 2019 18:00

Tgt Ion:	129	Resp:	20007
Ion	Ratio	Lower	Upper
129	100		
127	77.0	55.2	102.4



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

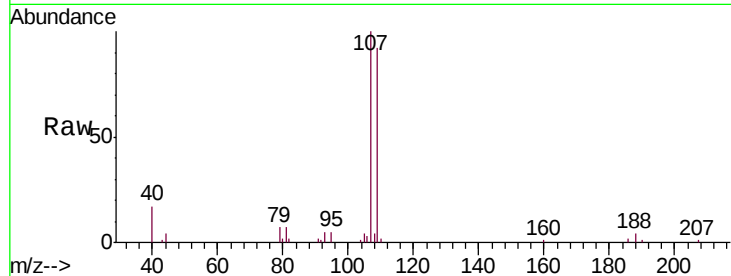




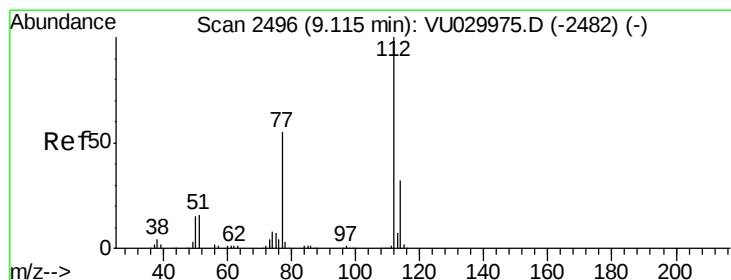
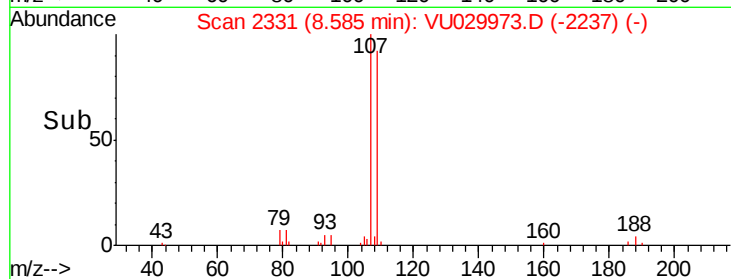
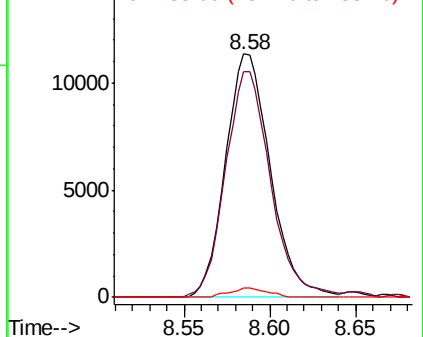
#50
1,2-Dibromoethane
Concen: 5.313 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029973.D
Acq: 11 Mar 2019 18:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion:107 Resp: 20624
Ion Ratio Lower Upper
107 100
109 92.5 67.8 126.0
188 3.7 3.2 4.8

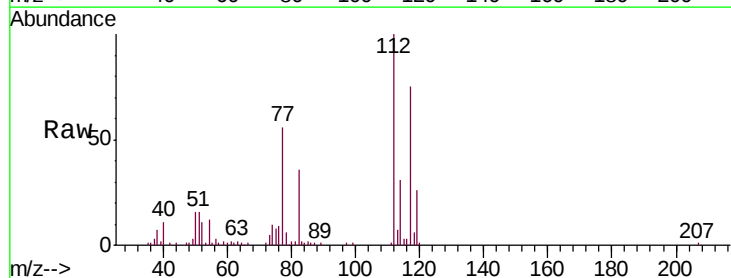


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

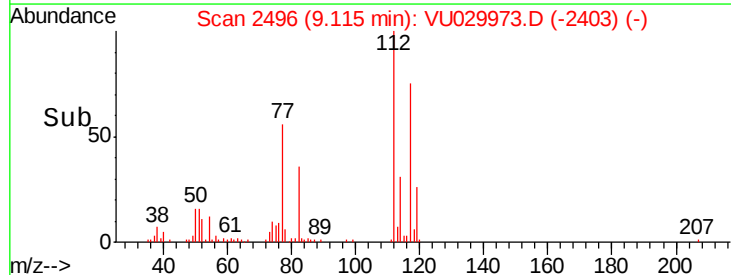
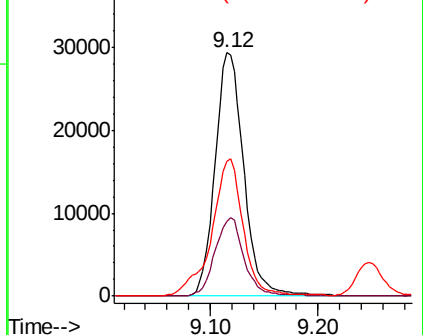


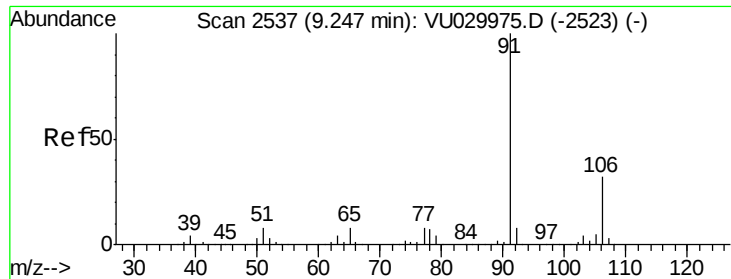
#51
Chlorobenzene
Concen: 5.434 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029973.D
Acq: 11 Mar 2019 18:00

Tgt Ion:112 Resp: 54434
Ion Ratio Lower Upper
112 100
114 30.9 22.5 41.9
77 55.6 44.6 66.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 5.153 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

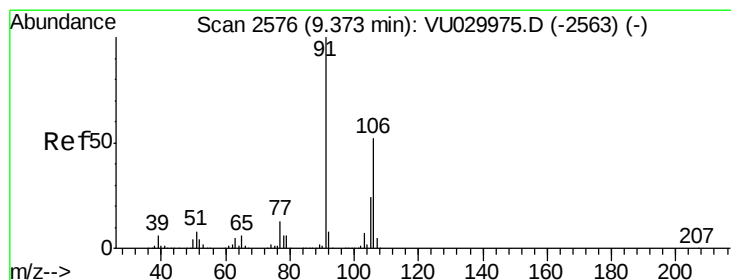
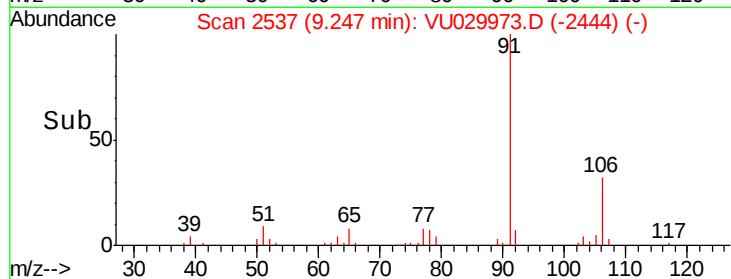
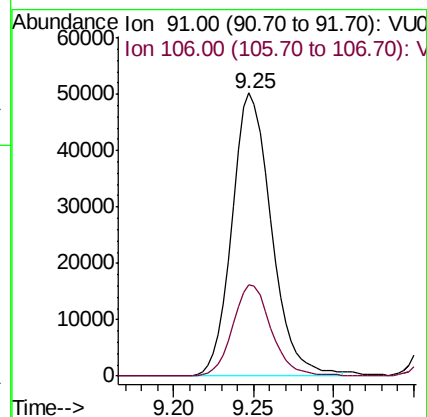
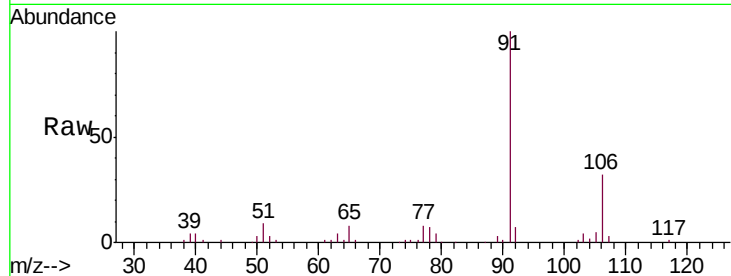
VSTD00543

Tgt Ion: 91 Resp: 84504

Ion Ratio Lower Upper

91 100

106 32.1 22.5 41.9



#53

m,p-Xylene

Concen: 5.122 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029973.D

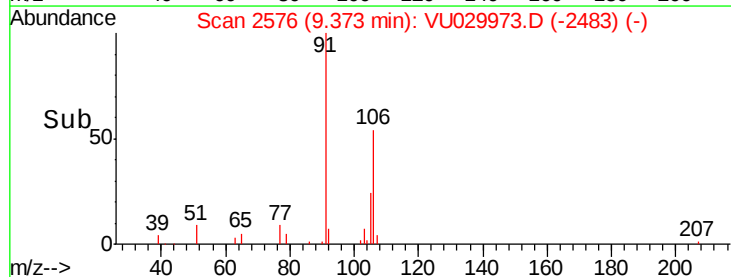
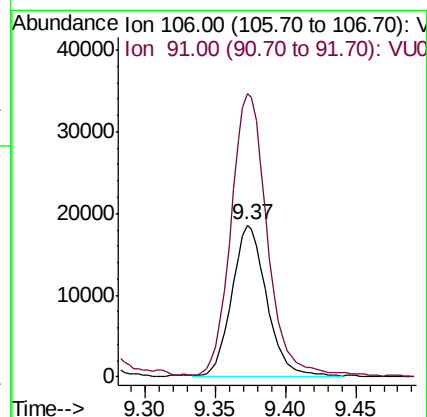
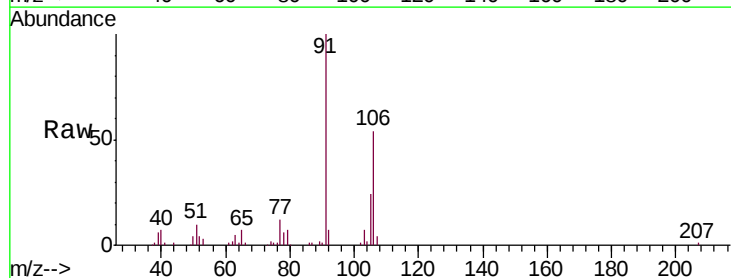
Acq: 11 Mar 2019 18:00

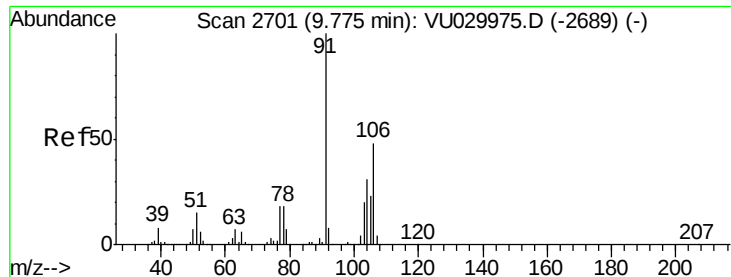
Tgt Ion: 106 Resp: 32354

Ion Ratio Lower Upper

106 100

91 186.6 135.1 250.9

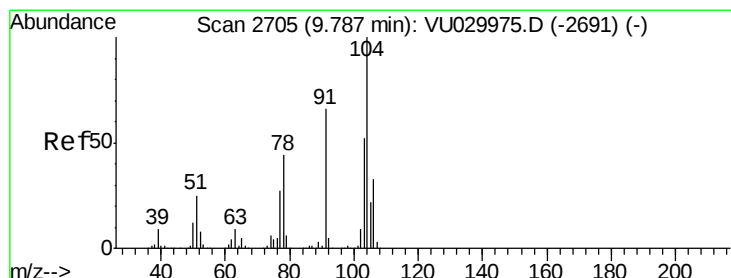
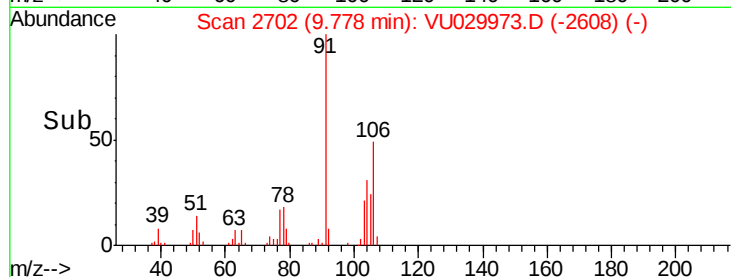
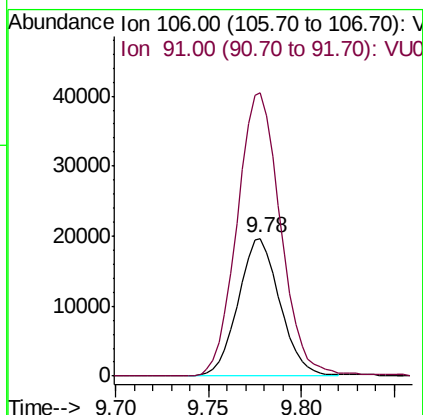
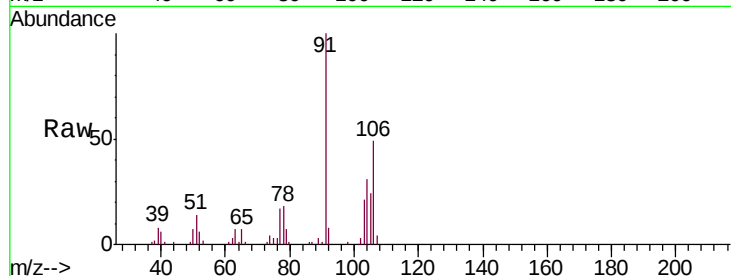




#54
o-xylene
Concen: 4.951 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029973.D
Acq: 11 Mar 2019 18:00

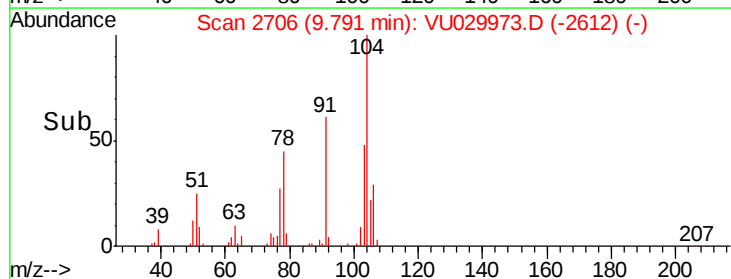
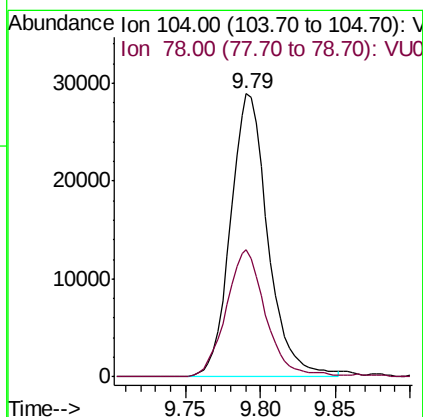
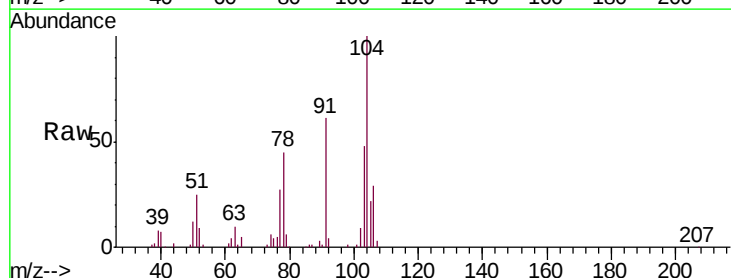
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

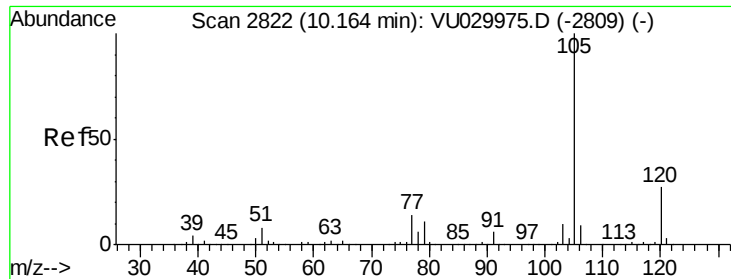
Tgt Ion:106 Resp: 30947
Ion Ratio Lower Upper
106 100
91 205.7 144.5 268.4



#55
Styrene
Concen: 4.901 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029973.D
Acq: 11 Mar 2019 18:00

Tgt Ion:104 Resp: 50386
Ion Ratio Lower Upper
104 100
78 45.1 30.6 56.8





#56

Isopropylbenzene

Concen: 5.070 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

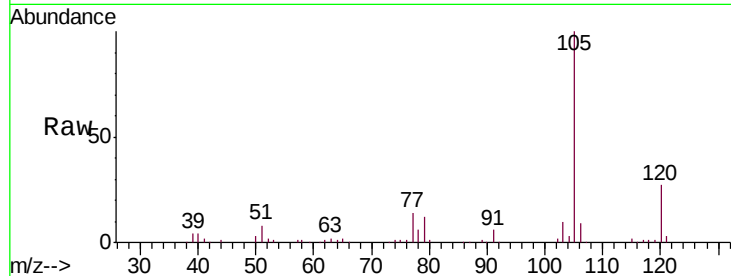
Tgt Ion: 105 Resp: 82150

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

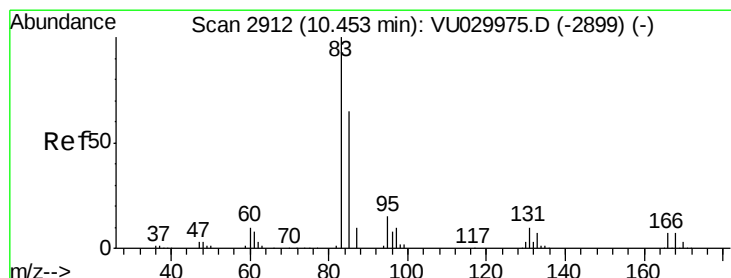
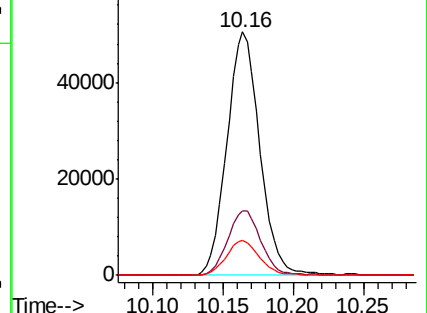
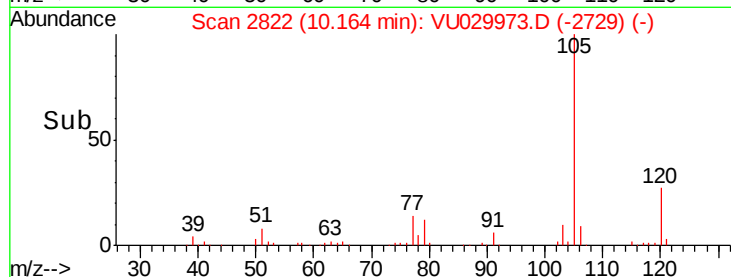
77 14.5 11.1 16.7



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: 5.197 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

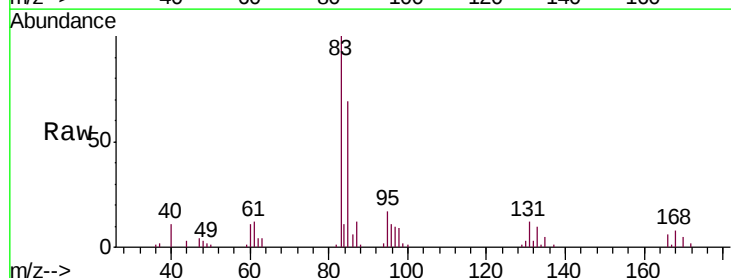
Tgt Ion: 83 Resp: 32314

Ion Ratio Lower Upper

83 100

85 68.9 45.9 85.3

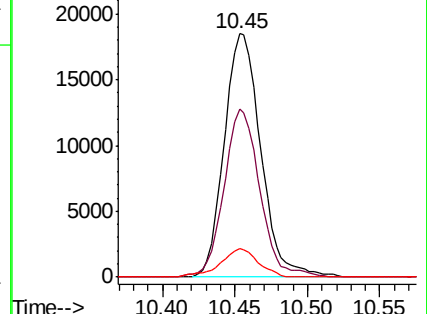
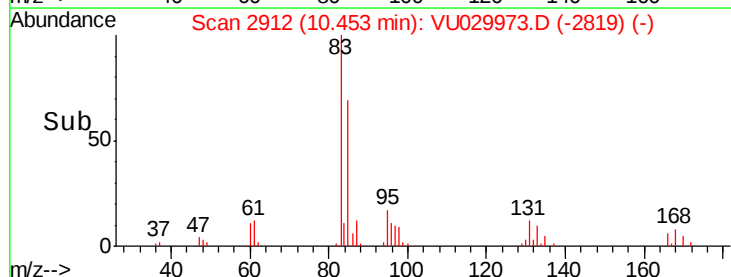
131 11.7 8.5 12.7

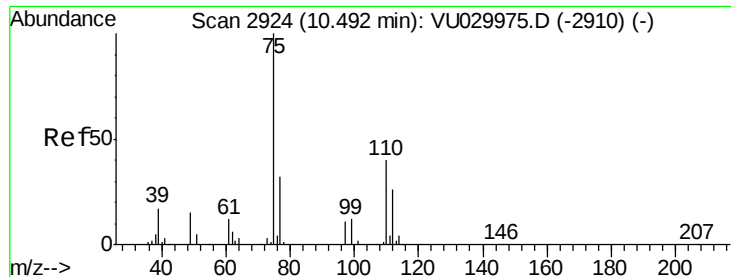


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.217 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

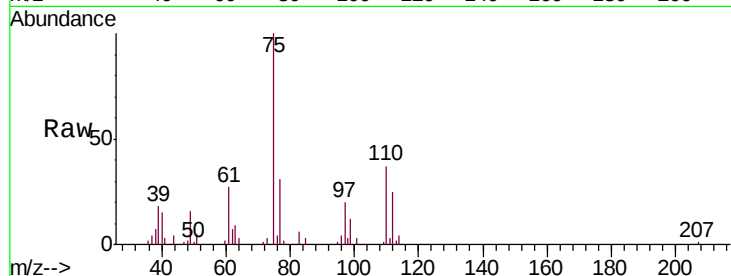
VSTD00543

Tgt Ion: 75 Resp: 24443

Ion Ratio Lower Upper

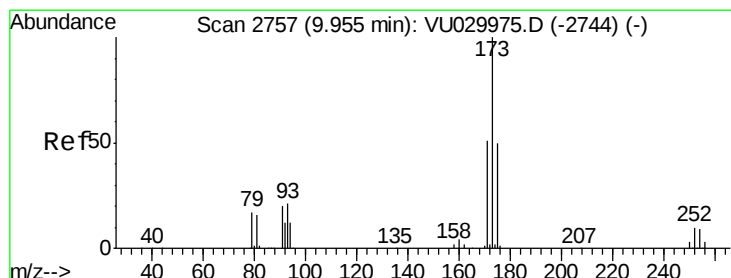
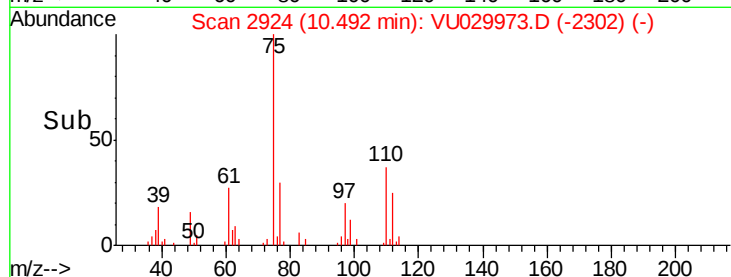
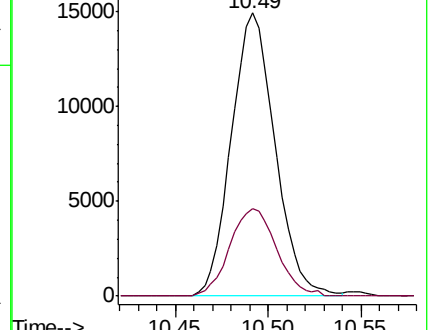
75 100

77 32.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU029975.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU029975.D (-2910) (-)



#61

Bromoform

Concen: 4.876 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

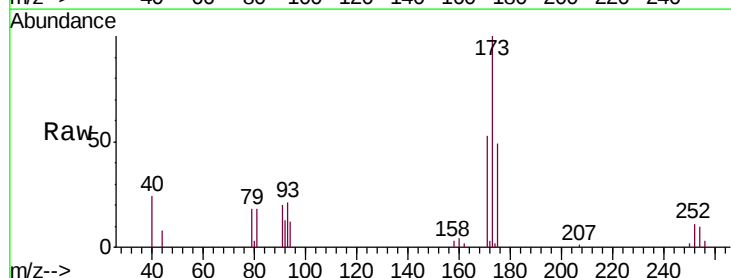
Tgt Ion: 173 Resp: 14363

Ion Ratio Lower Upper

173 100

175 47.0 39.0 58.6

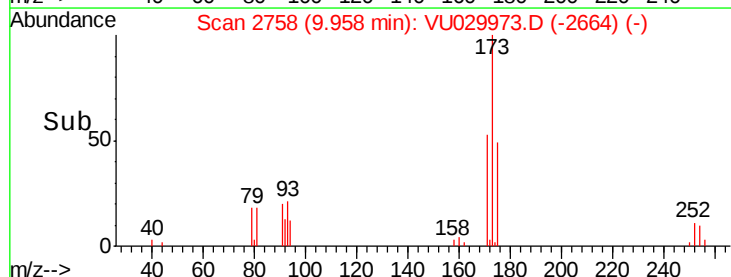
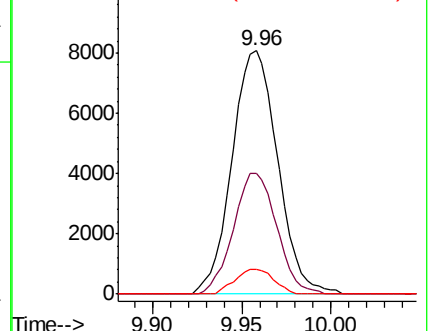
254 8.6 7.4 11.0

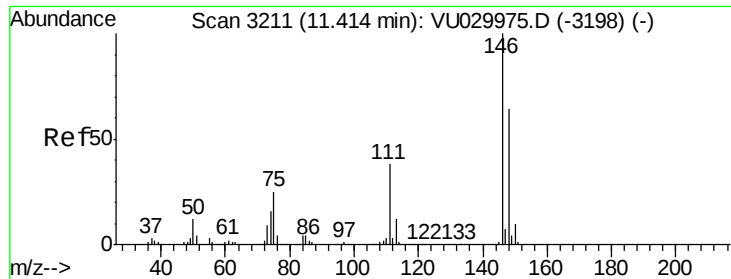


Abundance Ion 173.00 (172.70 to 173.70): VU029975.D (-2744) (-)

Ion 175.00 (174.70 to 175.70): VU029975.D (-2744) (-)

Ion 254.00 (253.70 to 254.70): VU029975.D (-2744) (-)





#62

1,3-Dichlorobenzene

Concen: 5.376 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

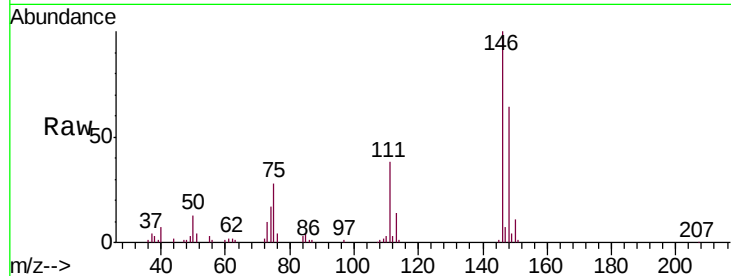
Tgt Ion:146 Resp: 41399

Ion Ratio Lower Upper

146 100

111 37.8 26.7 49.5

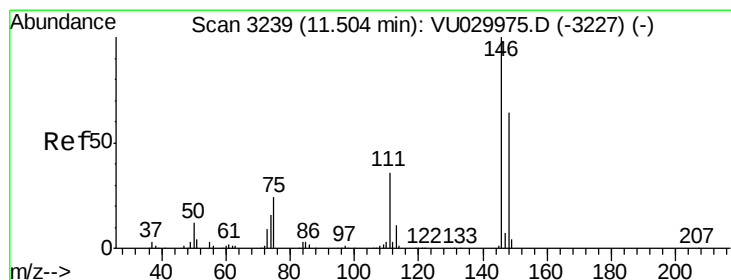
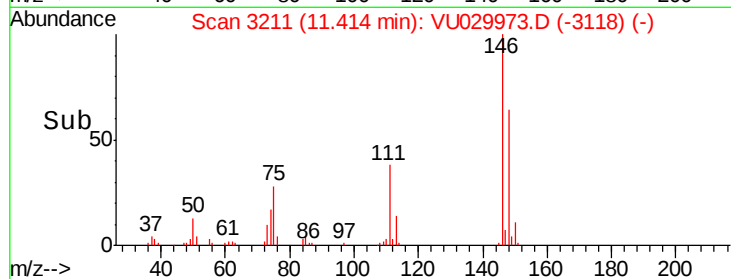
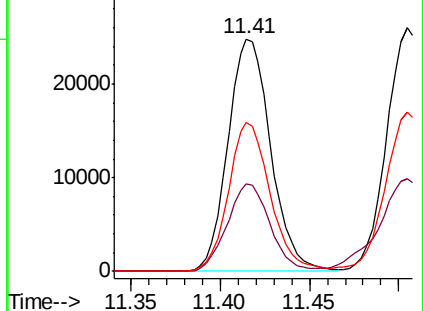
148 64.2 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 5.444 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

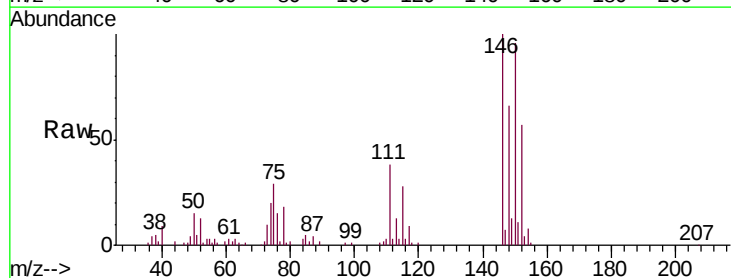
Tgt Ion:146 Resp: 42931

Ion Ratio Lower Upper

146 100

111 38.2 25.5 47.3

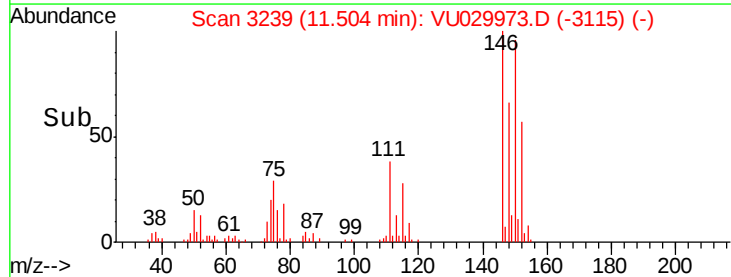
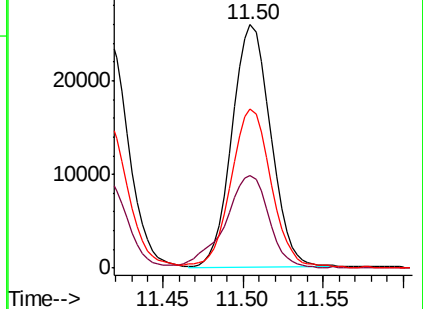
148 65.6 45.0 83.6

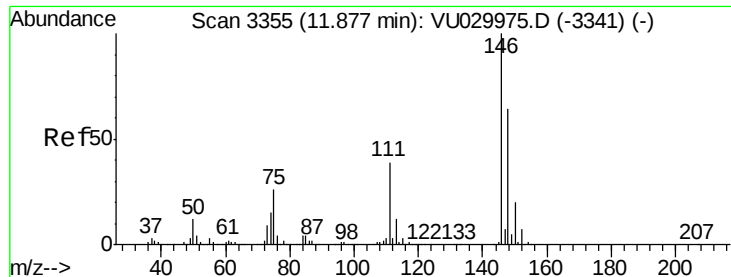


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

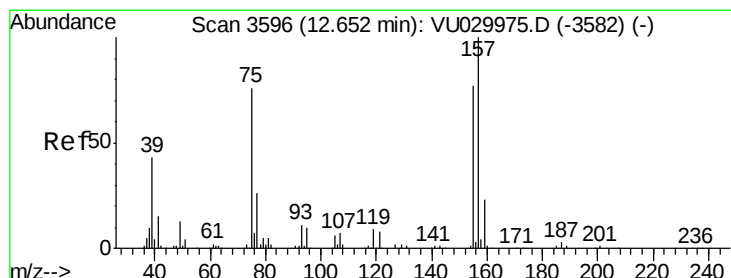
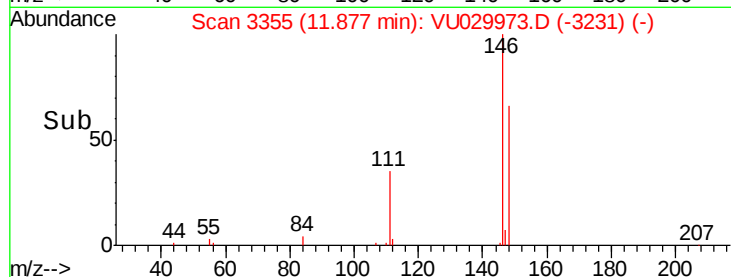
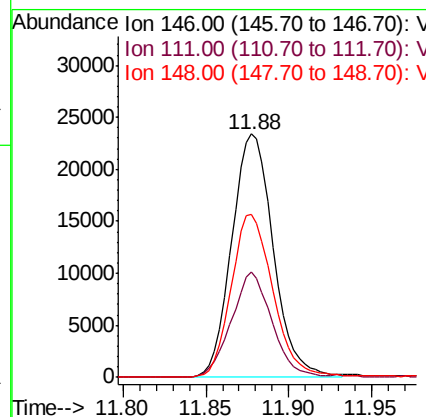
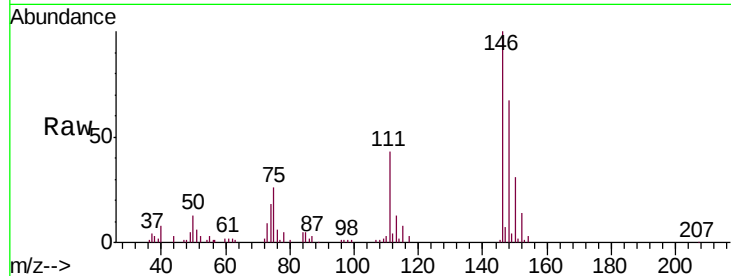




#65
 1,2-Dichlorobenzene
 Concen: 5.202 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

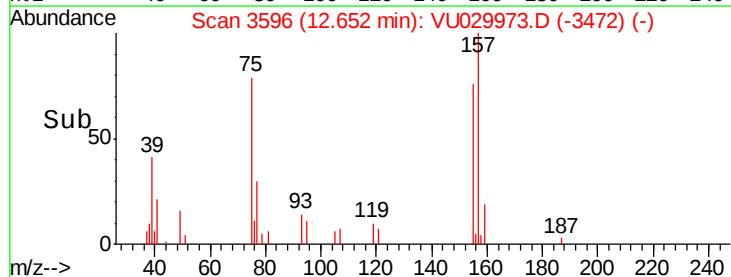
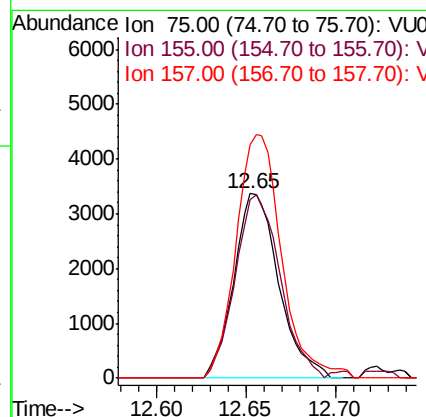
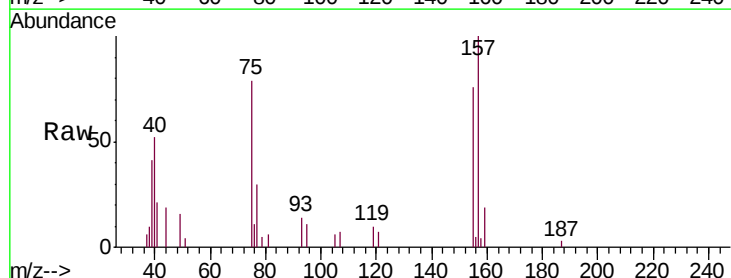
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

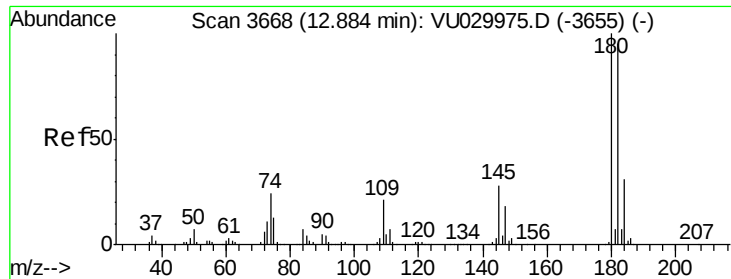
Tgt Ion: 146 Resp: 40866
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.9 46.3
 148 67.1 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.730 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

Tgt Ion: 75 Resp: 5911
 Ion Ratio Lower Upper
 75 100
 155 96.7 80.9 121.3
 157 126.6 104.6 156.8

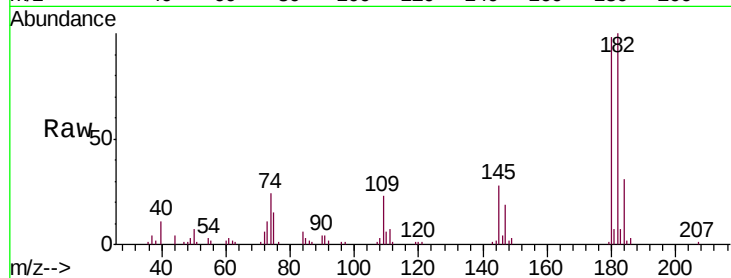




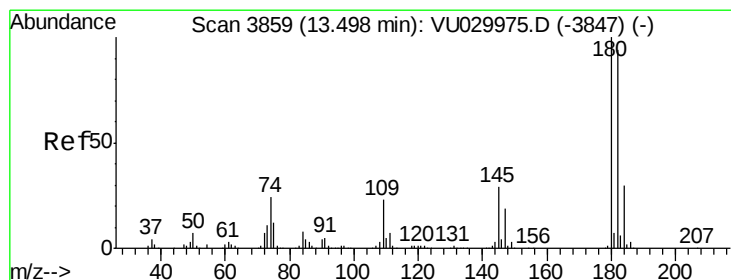
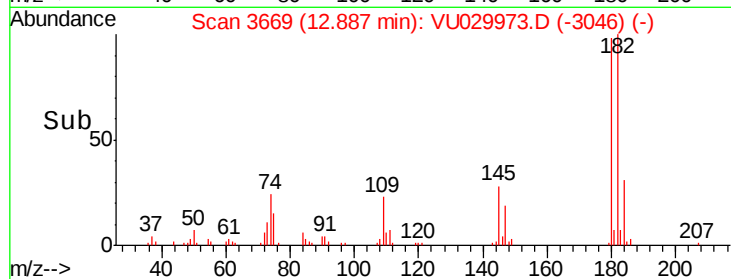
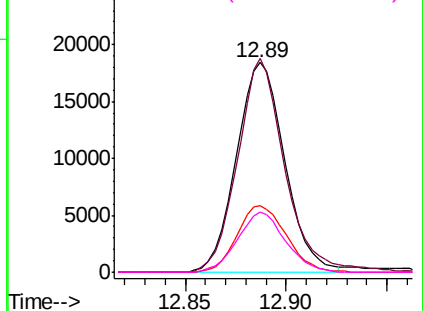
#67
 1,3,5-Trichlorobenzene
 Concen: 5.251 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion:	180	Resp:	30877
Ion	Ratio	Lower	Upper
180	100		
182	99.6	76.3	114.5
184	32.2	24.7	37.1
145	28.5	22.3	33.5

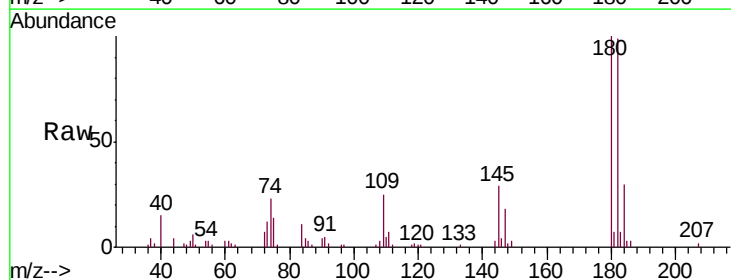


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

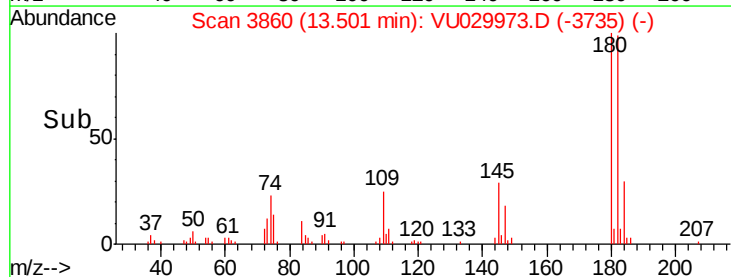
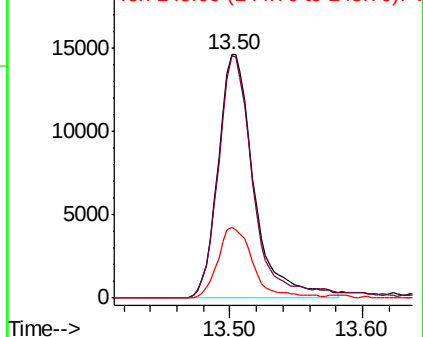


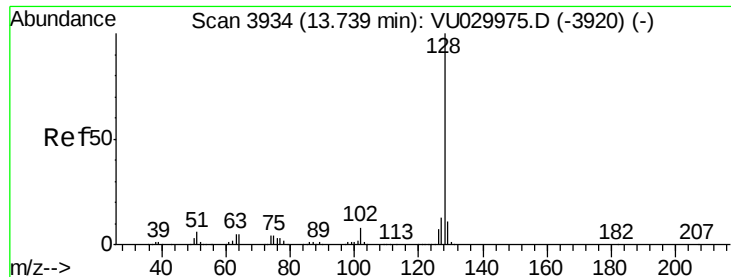
#68
 1,2,4-trichlorobenzene
 Concen: 5.247 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029973.D
 Acq: 11 Mar 2019 18:00

Tgt Ion:	180	Resp:	27633
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
145	27.1	23.0	34.4



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: 4.952 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

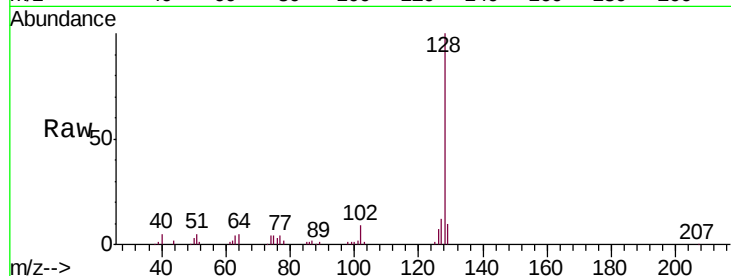
Tgt Ion:128 Resp: 82147

Ion Ratio Lower Upper

128 100

127 11.3 10.1 15.1

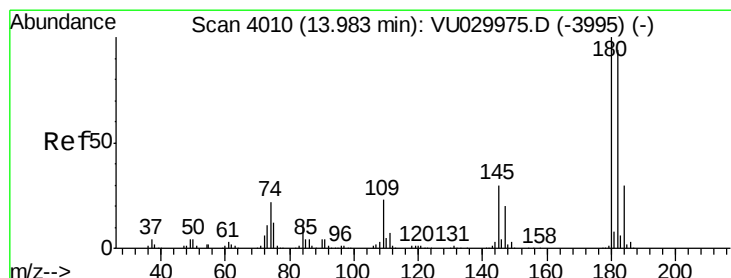
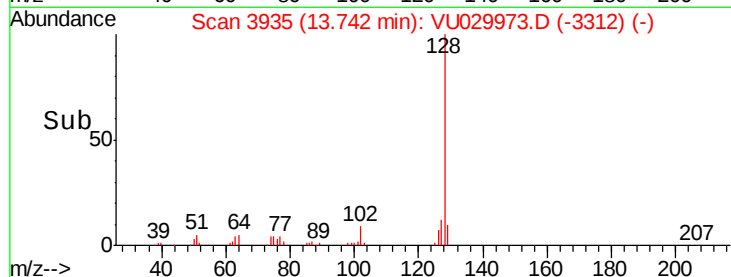
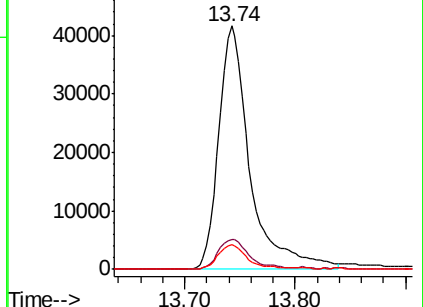
129 9.4 8.7 13.1



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: 5.267 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029973.D

Acq: 11 Mar 2019 18:00

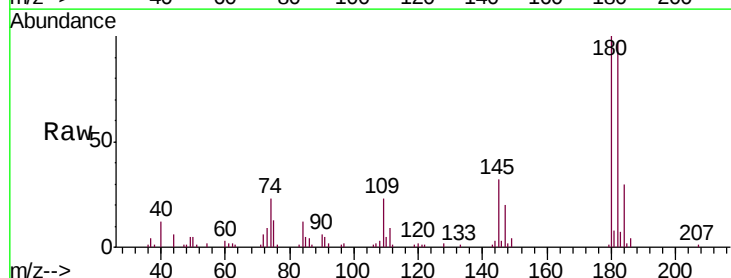
Tgt Ion:180 Resp: 29233

Ion Ratio Lower Upper

180 100

182 96.2 75.9 113.9

145 30.8 24.0 36.0



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

