

Data File : VU029281.D
Acq On : 25 Jan 2019 11:18
Operator : JC/SP
Sample : VSTD01045
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

Quant Time: Jan 28 01:33:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 01:29:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	70067	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	71504	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	40072	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66680	10.06	ug/L	0.00
7) Chloroethane-d5	1.68	69	49035	10.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	117222	9.96	ug/L	0.00
20) 2-Butanone-d5	4.20	46	145905	106.65	ug/L	0.00
24) Chloroform-d	4.65	84	111268	10.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	60979	10.12	ug/L	0.00
32) Benzene-d6	5.34	84	209440	10.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	63439	10.40	ug/L	0.00
41) Toluene-d8	7.56	98	202644	10.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	29590	10.91	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	143751	115.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56317	10.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	82381	10.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	94423	9.739 ug/L	99
3) Chloromethane	1.32	50	81269	9.558 ug/L	100
5) Vinyl chloride	1.40	62	82280	9.677 ug/L	100
6) Bromomethane	1.63	94	44801	9.785 ug/L	96
8) Chloroethane	1.70	64	43853	9.231 ug/L	100
9) Trichlorofluoromethane	1.88	101	110311	9.756 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	56187	9.773 ug/L	99
12) 1,1-Dichloroethene	2.29	96	51923	9.797 ug/L	89
13) Acetone	2.34	43	96093	93.811 ug/L	99
14) Carbon disulfide	2.48	76	174767	9.523 ug/L	99
15) Methyl Acetate	2.62	43	22899	9.327 ug/L	100
16) Methylene chloride	2.70	84	53169	8.549 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	135487	9.849 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	54996	9.564 ug/L	95
19) 1,1-Dichloroethane	3.44	63	97911	9.543 ug/L	98
21) 2-Butanone	4.28	43	149944	101.133 ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	57848	10.006 ug/L	97
23) Bromochloromethane	4.55	128	25333	9.645 ug/L	98
25) Chloroform	4.67	83	106984	9.957 ug/L	98
27) 1,2-Dichloroethane	5.40	62	71106	9.663 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	93590	9.654 ug/L	96
30) Cyclohexane	4.99	56	90485	10.381 ug/L	95
31) Carbon tetrachloride	5.13	117	84046	10.163 ug/L	99
33) Benzene	5.39	78	222126	9.959 ug/L	100
34) Trichloroethene	6.18	95	57831	9.793 ug/L	98
35) Methylcyclohexane	6.41	83	95021	10.063 ug/L	99
37) 1,2-Dichloropropane	6.43	63	58317	9.907 ug/L	98
38) Bromodichloromethane	6.76	83	77429	9.954 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	88618	10.474 ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	365621	102.940 ug/L	99

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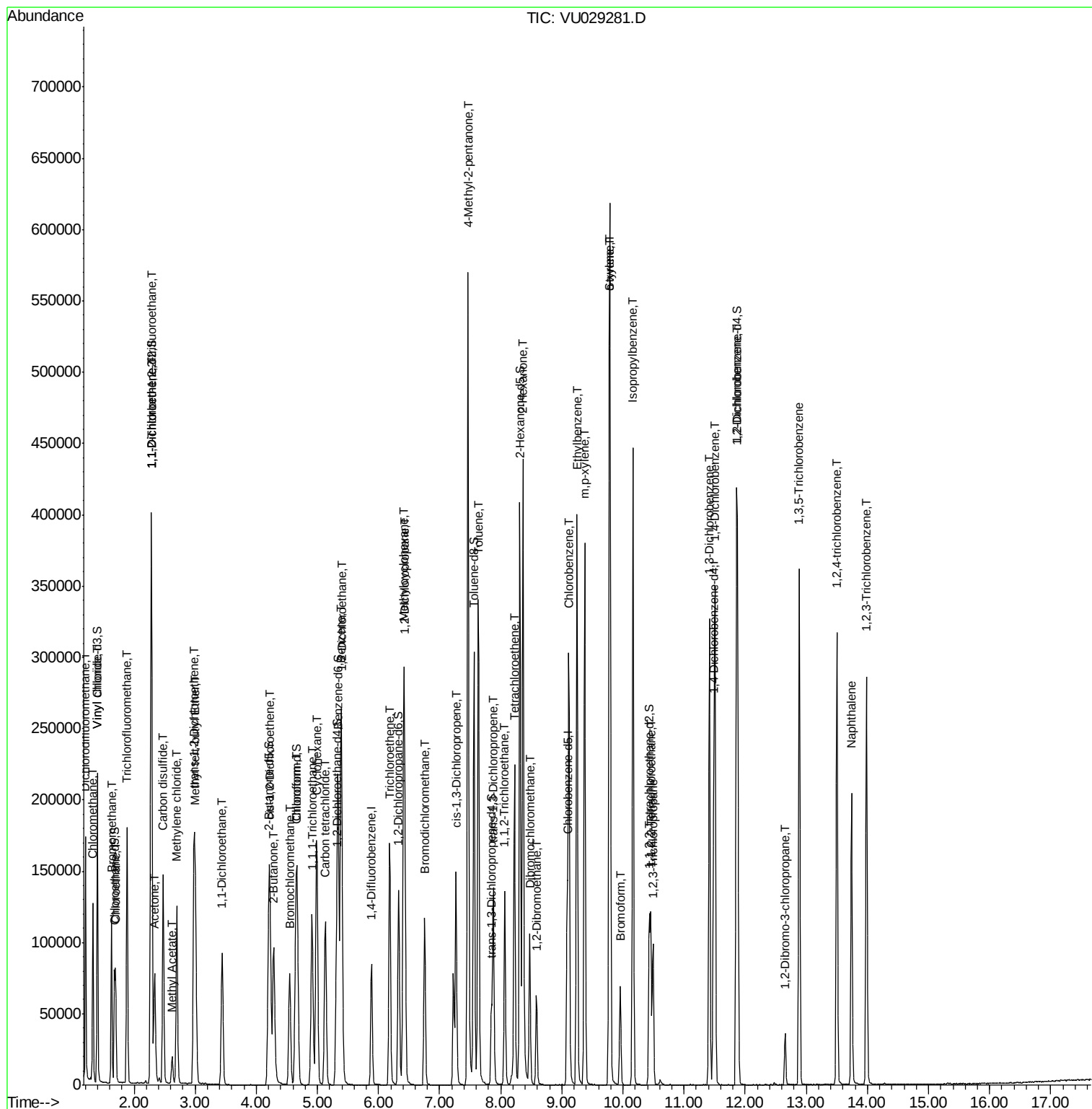
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	247985	10.305	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	75522	10.266	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	41815	9.883	ug/L	99
47) Tetrachloroethene	8.22	164	50458	9.735	ug/L	96
48) 2-Hexanone	8.36	43	269226	104.006	ug/L	99
49) Dibromochloromethane	8.48	129	52395	9.975	ug/L	98
50) 1,2-Dibromoethane	8.58	107	39489	9.648	ug/L	93
51) Chlorobenzene	9.12	112	158415	10.014	ug/L	97
52) Ethylbenzene	9.25	91	274191	10.384	ug/L	100
53) m,p-xylene	9.37	106	106286	10.595	ug/L	99
54) o-xylene	9.78	106	103416	10.836	ug/L	95
55) Styrene	9.79	104	179770	10.825	ug/L	99
56) Isopropylbenzene	10.16	105	277412	10.788	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	54344	9.856	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	40179	9.910	ug/L	100
61) Bromoform	9.95	173	31774	9.516	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	131812	9.816	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	137705	9.617	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	129729	9.845	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	9518	10.151	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	112038	9.901	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	97491	10.290	ug/L	97
69) Naphthalene	13.74	128	162768	10.848	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	91379	10.357	ug/L	99

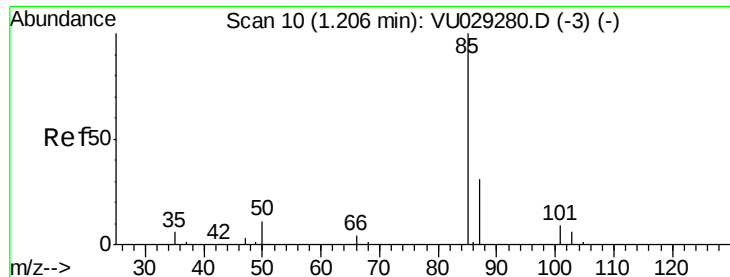
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.739 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

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Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

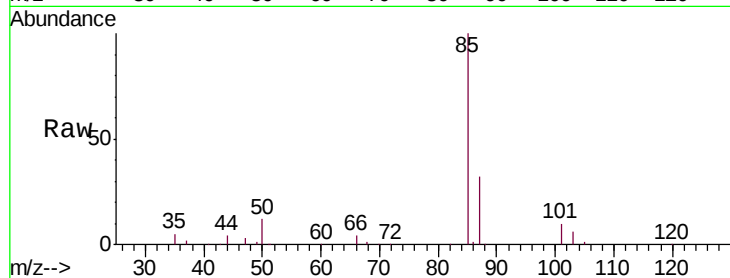
VSTD01045

Tgt Ion: 85 Resp: 94423

Ion Ratio Lower Upper

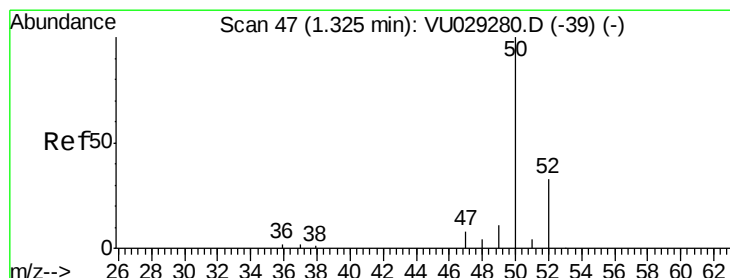
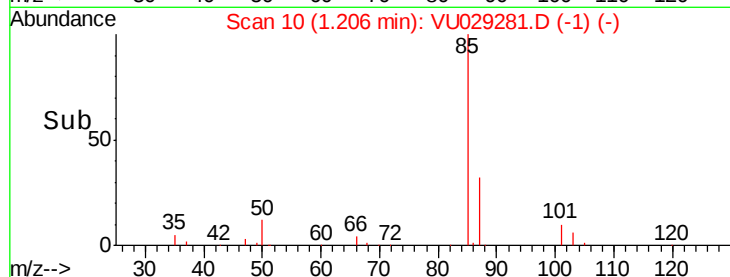
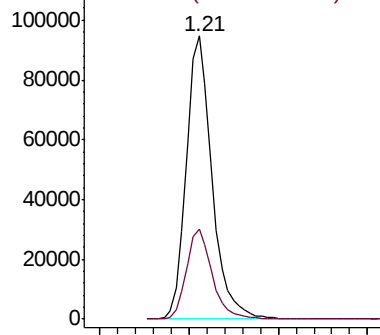
85 100

87 31.8 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 9.558 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU029281.D

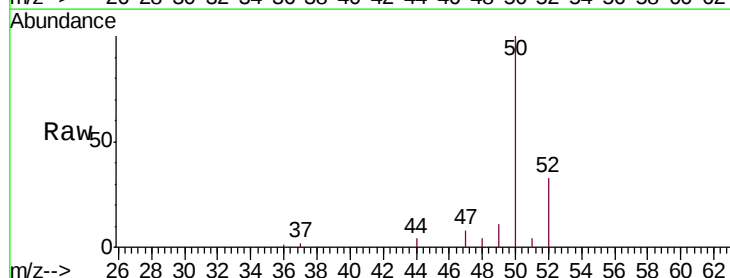
Acq: 25 Jan 2019 11:18

Tgt Ion: 50 Resp: 81269

Ion Ratio Lower Upper

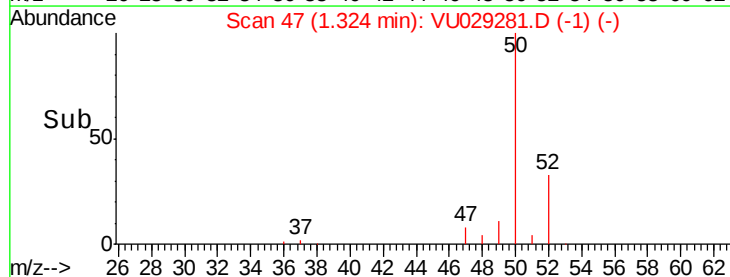
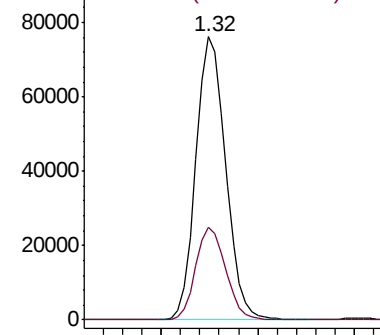
50 100

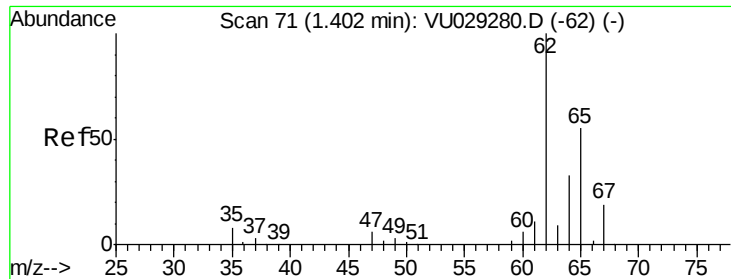
52 32.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 9.677 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

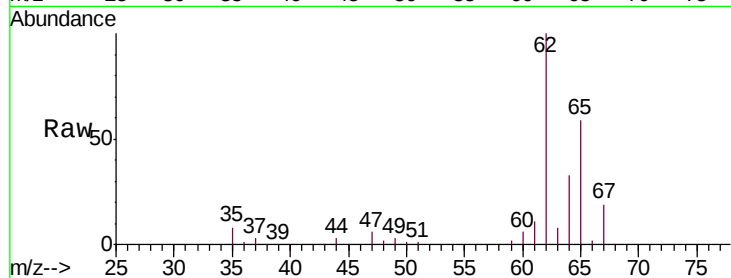
VSTD01045

Tgt Ion: 62 Resp: 82280

Ion Ratio Lower Upper

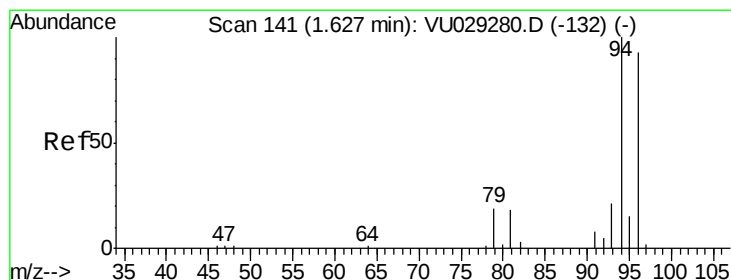
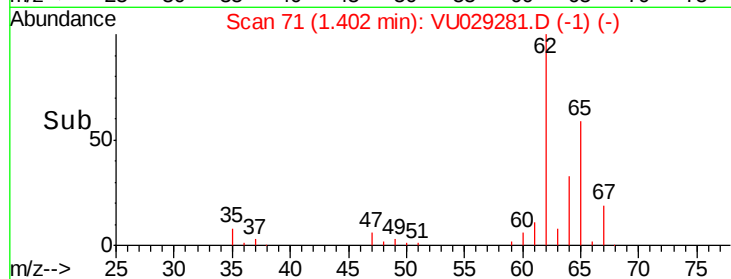
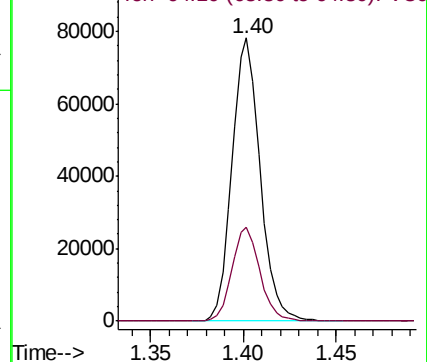
62 100

64 33.4 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 9.785 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU029281.D

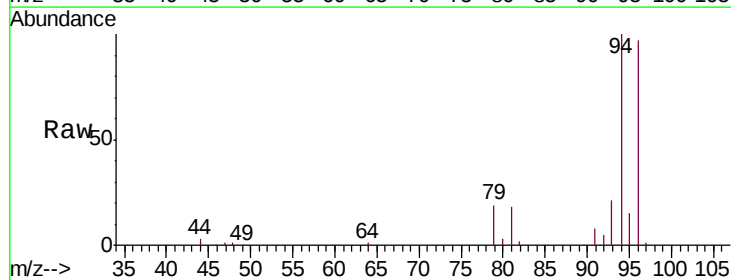
Acq: 25 Jan 2019 11:18

Tgt Ion: 94 Resp: 44801

Ion Ratio Lower Upper

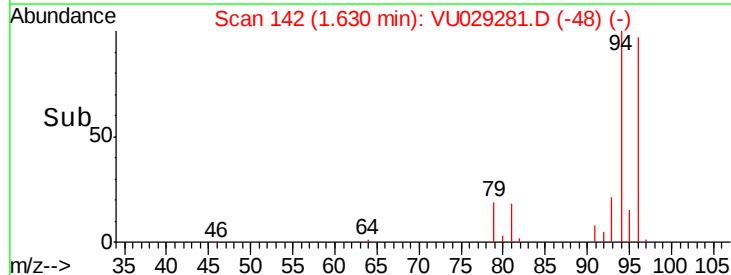
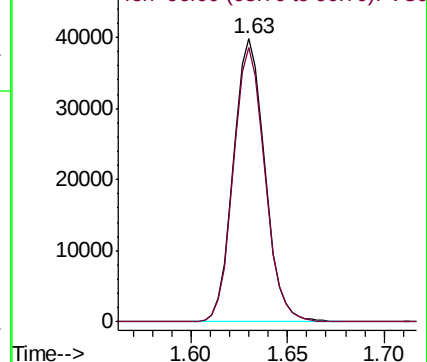
94 100

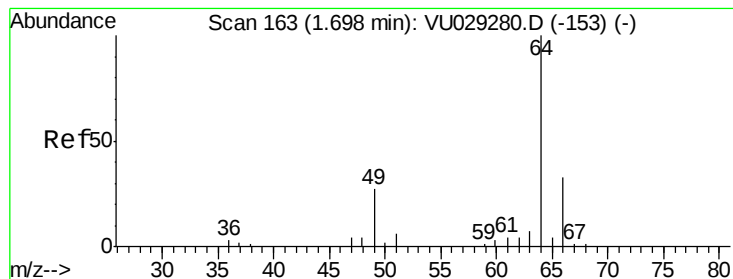
96 96.8 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 9.231 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

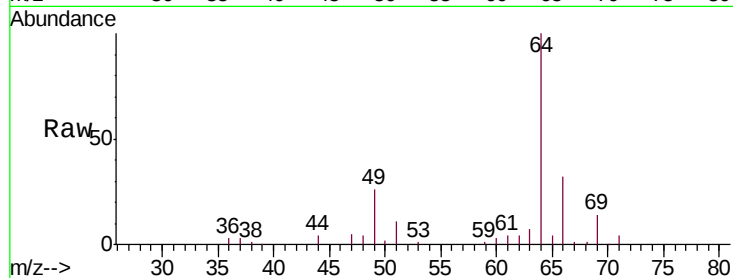
VSTD01045

Tgt Ion: 64 Resp: 43853

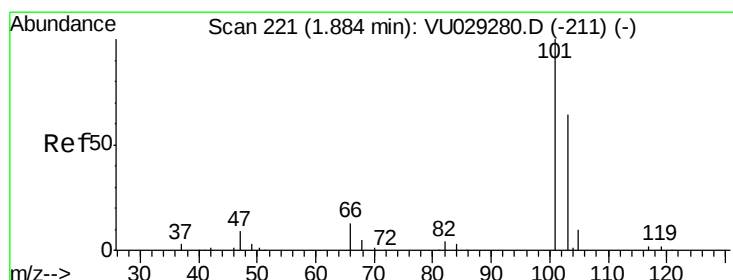
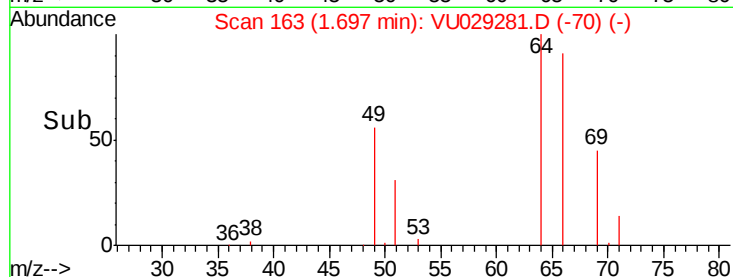
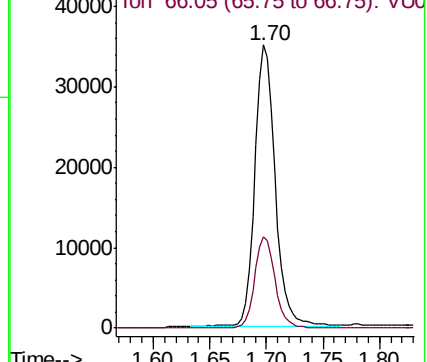
Ion Ratio Lower Upper

64 100

66 32.2 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU029281.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 9.756 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU029281.D

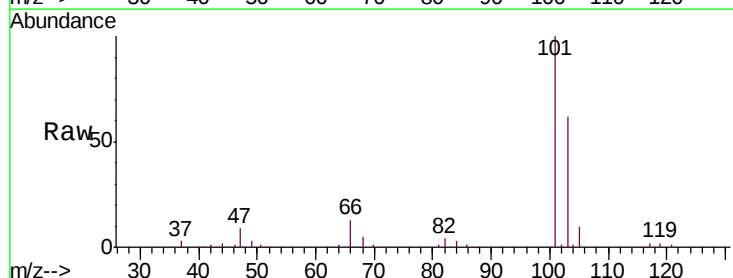
Acq: 25 Jan 2019 11:18

Tgt Ion: 101 Resp: 110311

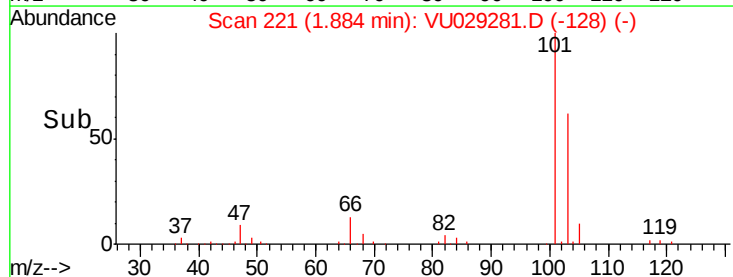
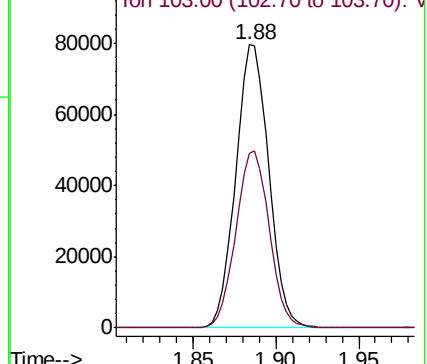
Ion Ratio Lower Upper

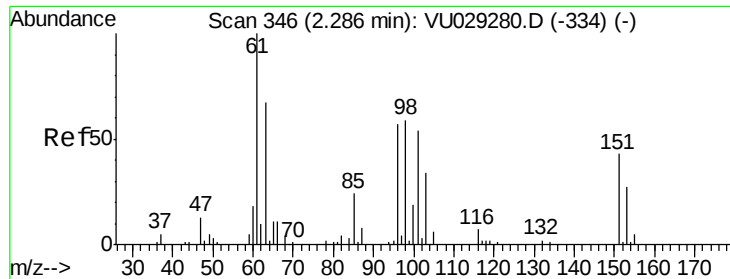
101 100

103 63.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU029281.D (-211) (-)





#10

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

Concen: 9.773 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

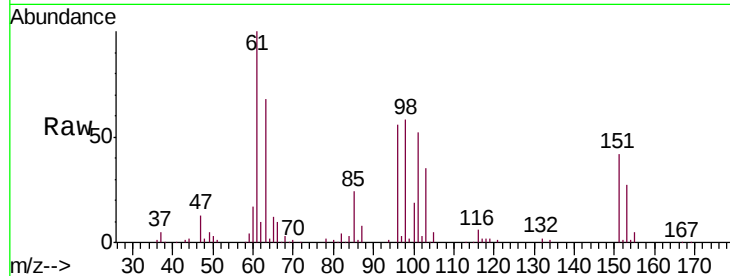
Tgt Ion:101 Resp: 56187

Ion Ratio Lower Upper

101 100

85 44.6 36.2 54.2

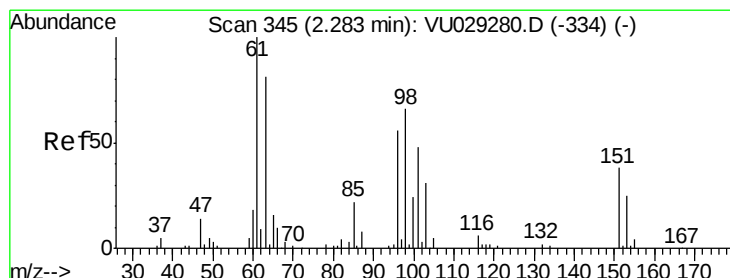
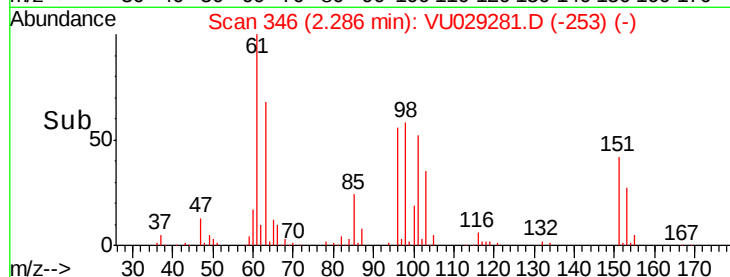
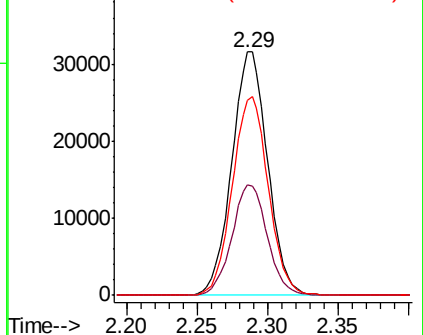
151 81.7 64.5 96.7



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: 9.797 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

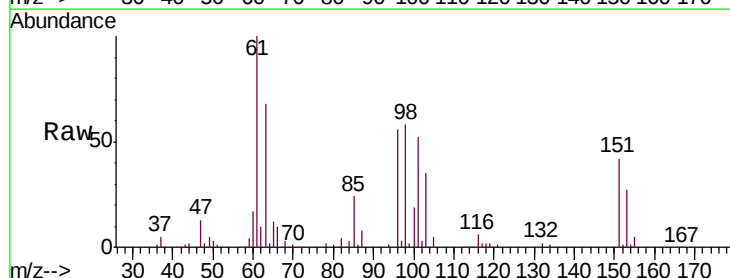
Tgt Ion: 96 Resp: 51923

Ion Ratio Lower Upper

96 100

61 179.1 125.4 233.0

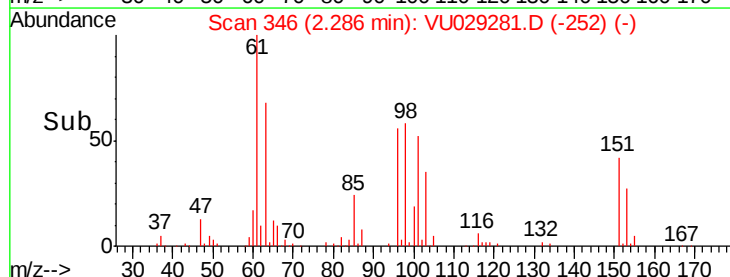
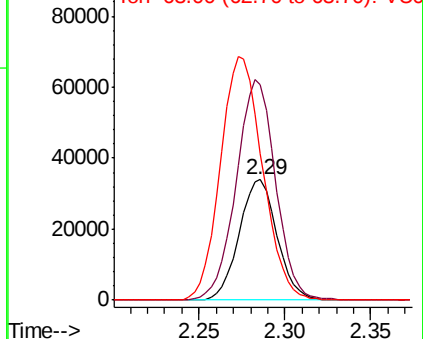
63 121.8 105.8 196.4

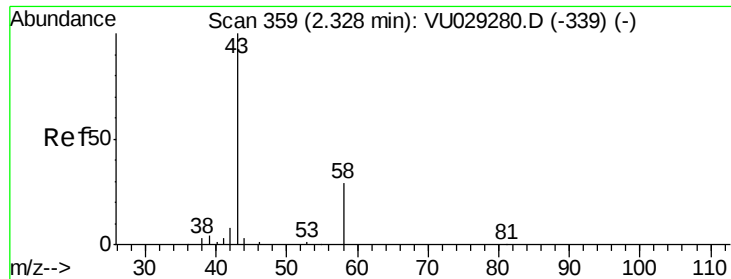


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.811 ug/L

RT: 2.34 min Scan# 362

Delta R.T. 0.01 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

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ClientSampleId :

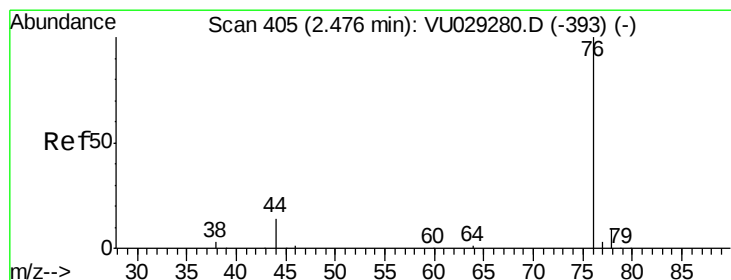
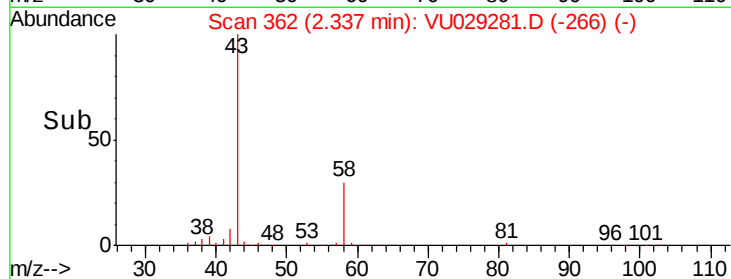
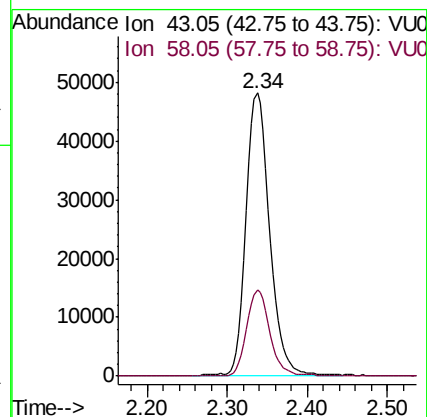
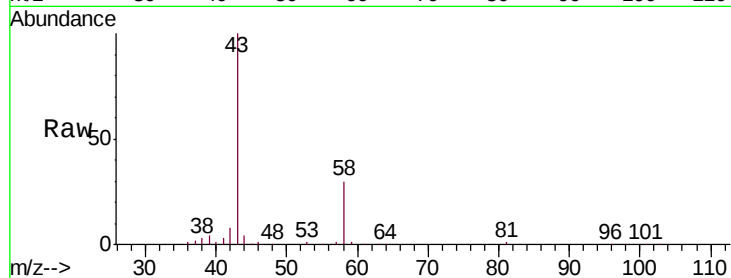
VSTD01045

Tgt Ion: 43 Resp: 96093

Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.8



#14

Carbon disulfide

Concen: 9.523 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU029281.D

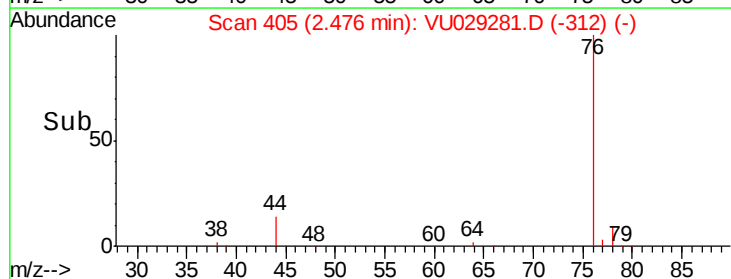
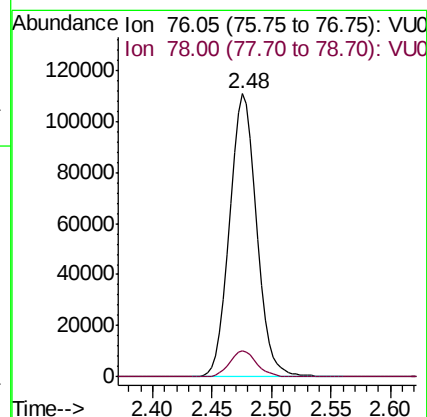
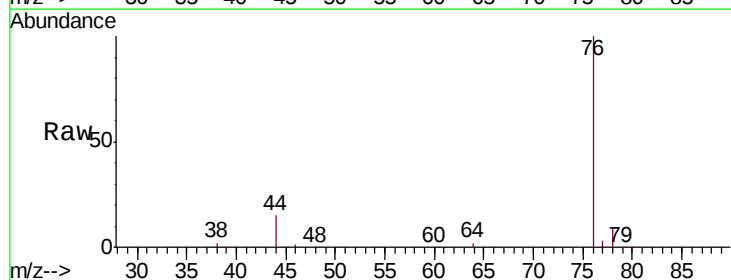
Acq: 25 Jan 2019 11:18

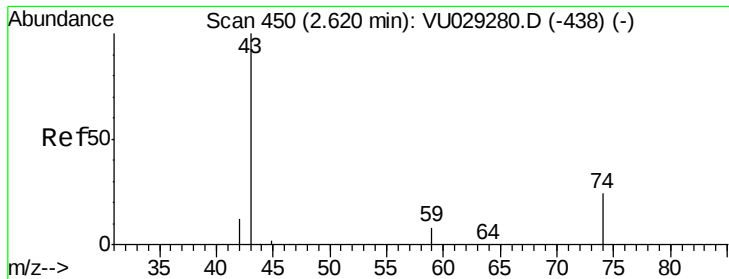
Tgt Ion: 76 Resp: 174767

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#15

Methyl Acetate

Concen: 9.327 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

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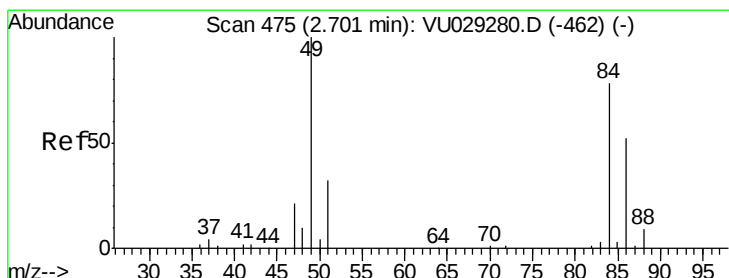
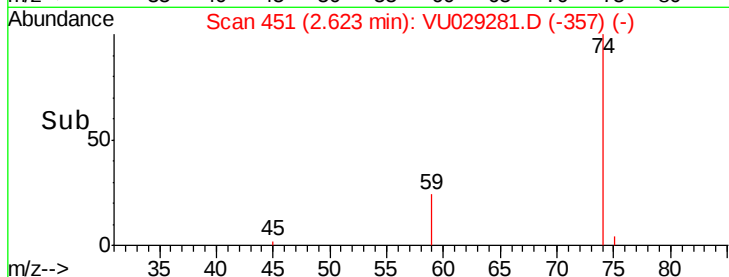
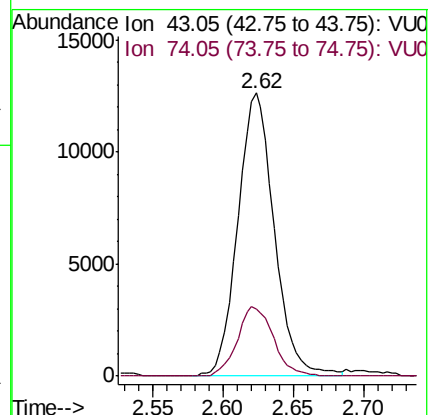
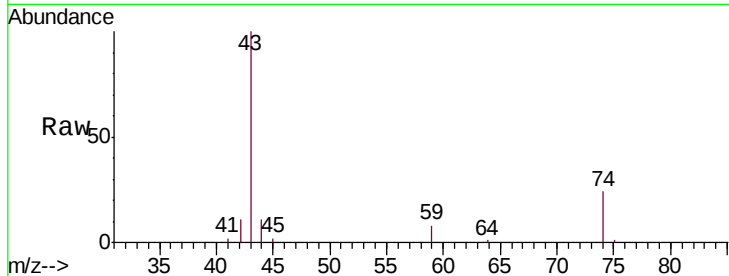
VSTD01045

Tgt Ion: 43 Resp: 22899

Ion Ratio Lower Upper

43 100

74 24.2 19.5 29.3



#16

Methylene chloride

Concen: 8.549 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

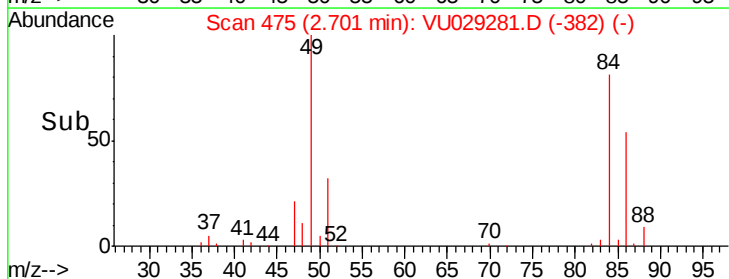
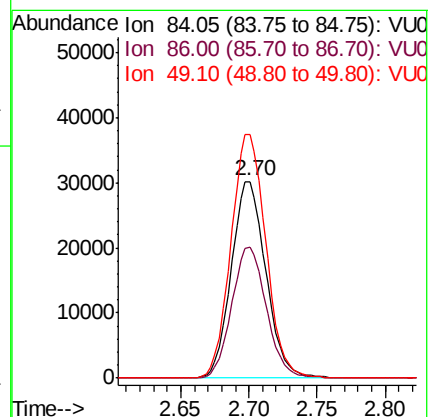
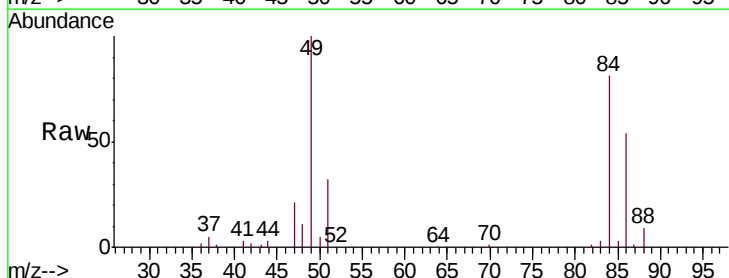
Tgt Ion: 84 Resp: 53169

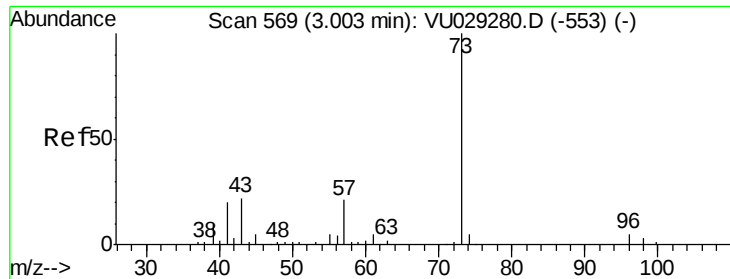
Ion Ratio Lower Upper

84 100

86 66.6 46.1 85.7

49 124.0 89.3 165.9

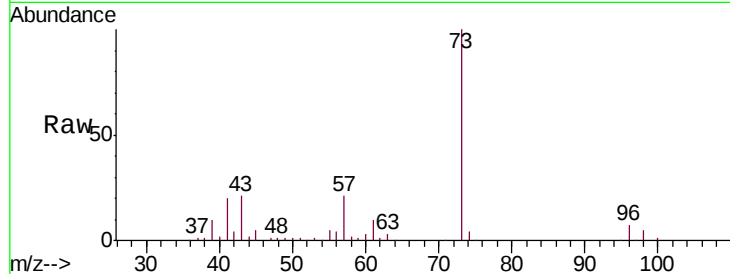




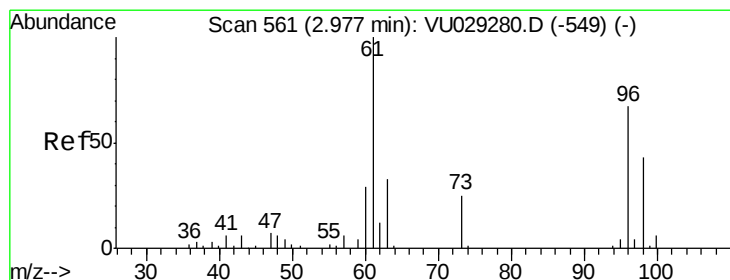
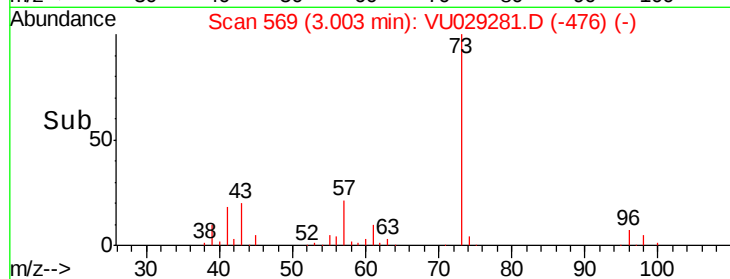
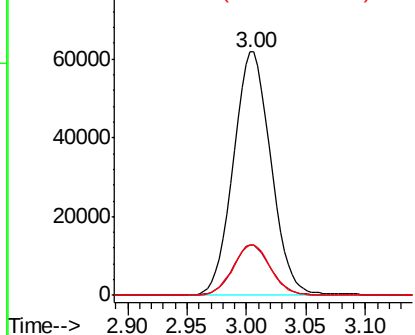
#17
Methyl tert-butyl Ether
Concen: 9.849 ug/L
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

Tgt Ion: 73 Resp: 135487
Ion Ratio Lower Upper
73 100
43 20.9 17.4 26.2
57 20.6 17.1 25.7

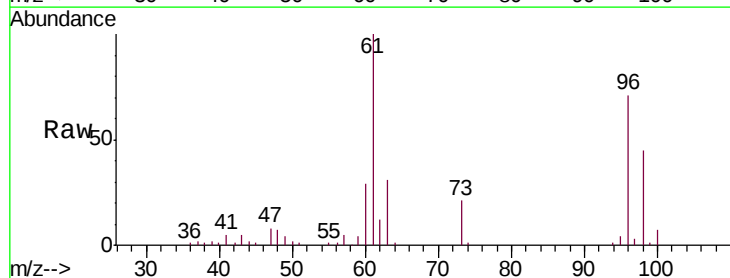


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

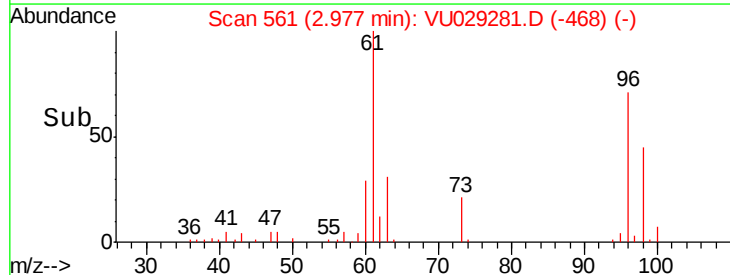
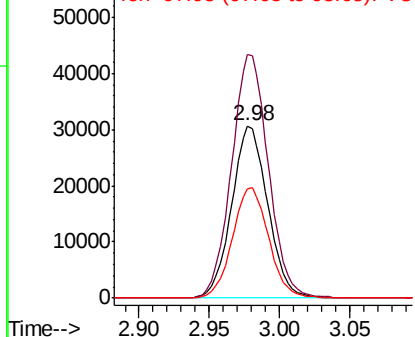


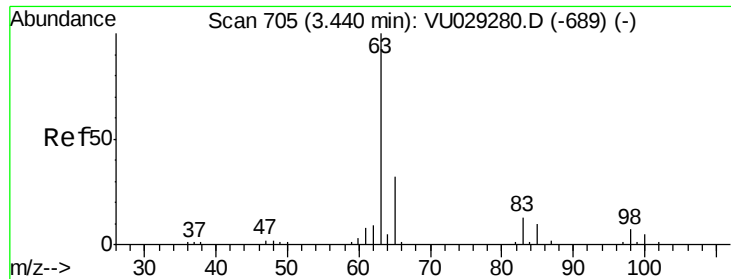
#18
trans-1,2-Dichloroethene
Concen: 9.564 ug/L
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

Tgt Ion: 96 Resp: 54996
Ion Ratio Lower Upper
96 100
61 141.6 104.4 194.0
98 63.9 45.4 84.2



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

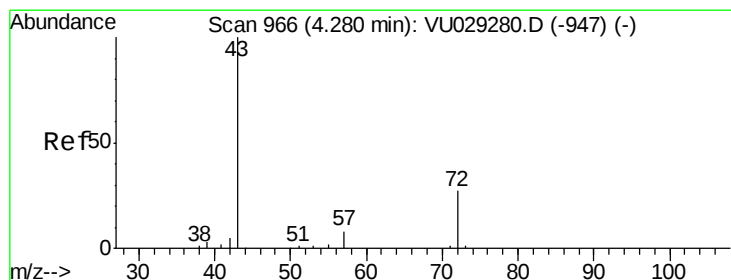
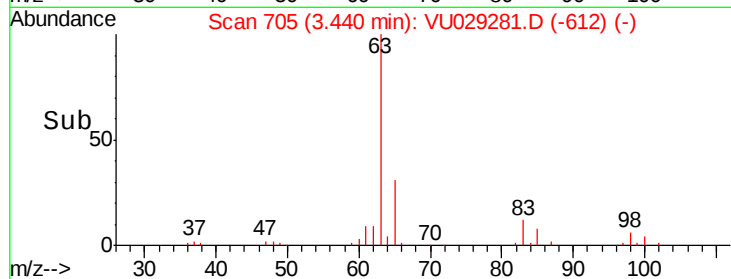
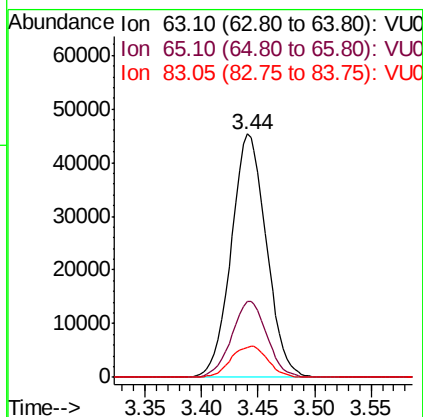
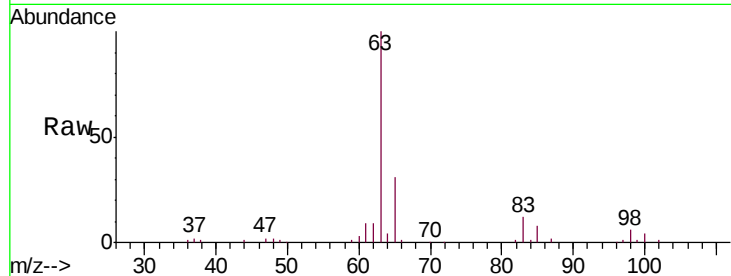




#19
 1,1-Dichloroethane
 Concen: 9.543 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

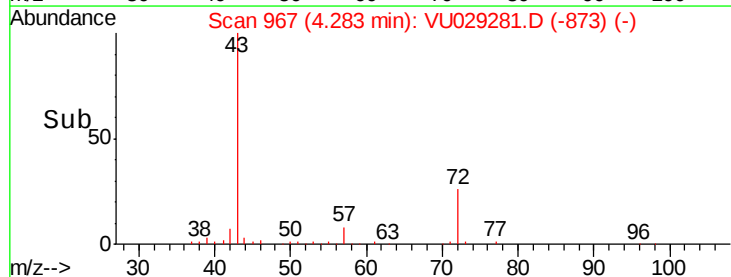
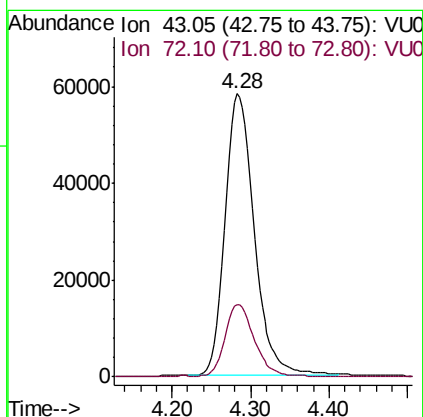
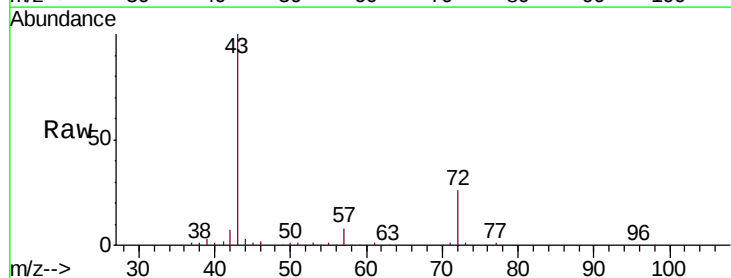
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

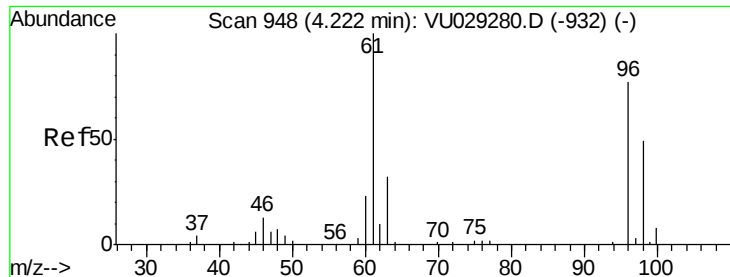
Tgt Ion: 63 Resp: 97911
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.7 42.1
 83 12.4 9.4 17.6



#21
 2-Butanone
 Concen: 101.133 ug/L
 RT: 4.28 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Tgt Ion: 43 Resp: 149944
 Ion Ratio Lower Upper
 43 100
 72 24.9 13.4 40.2



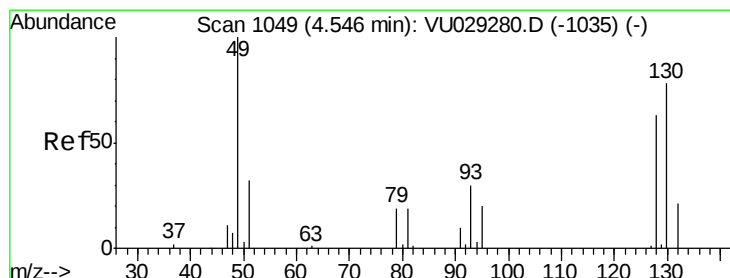
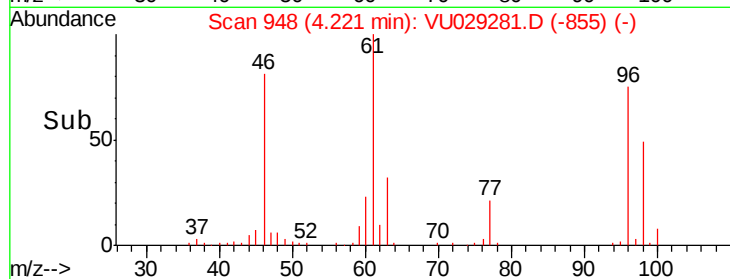
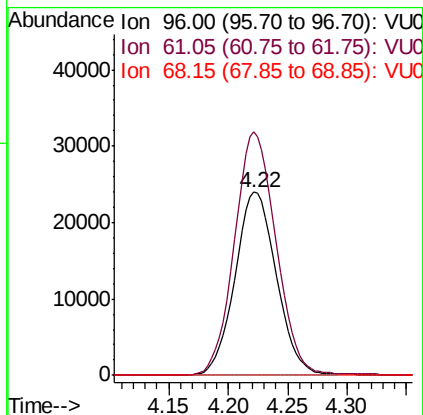
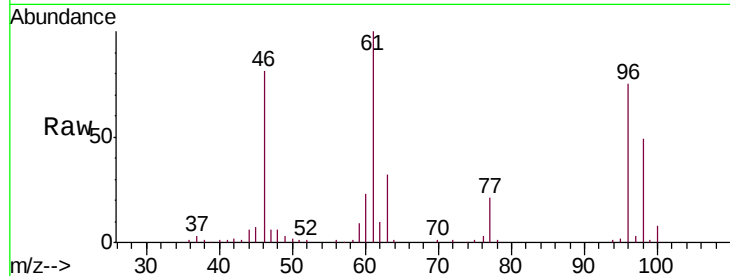


#22

cis-1,2-Dichloroethene
 Concen: 10.006 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

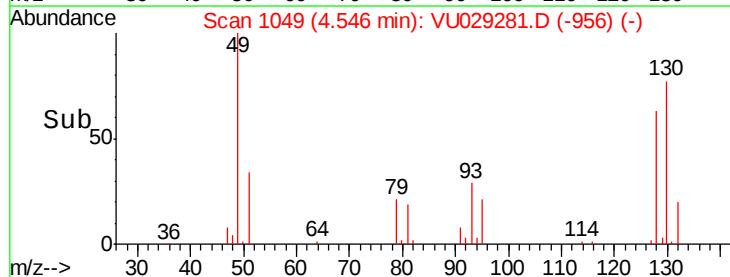
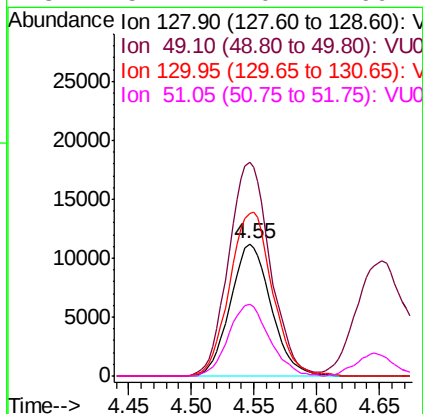
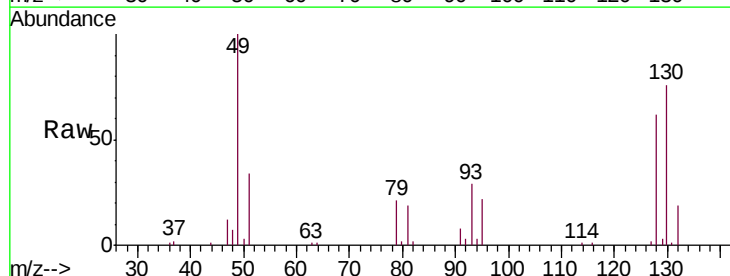
Tgt Ion: 96 Resp: 57848
 Ion Ratio Lower Upper
 96 100
 61 133.2 90.7 168.5
 68 0.0 0.0 0.0

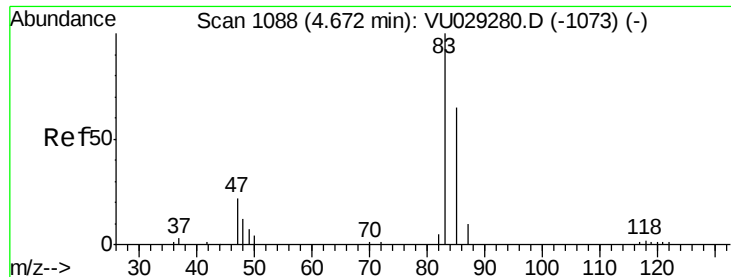


#23

Bromochloromethane
 Concen: 9.645 ug/L
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Tgt Ion: 128 Resp: 25333
 Ion Ratio Lower Upper
 128 100
 49 161.4 111.4 206.8
 130 122.8 87.1 161.7
 51 54.4 40.2 60.2

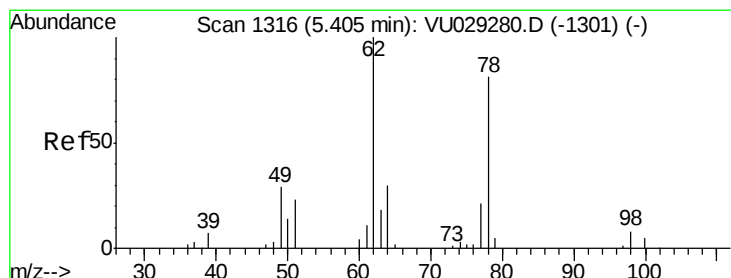
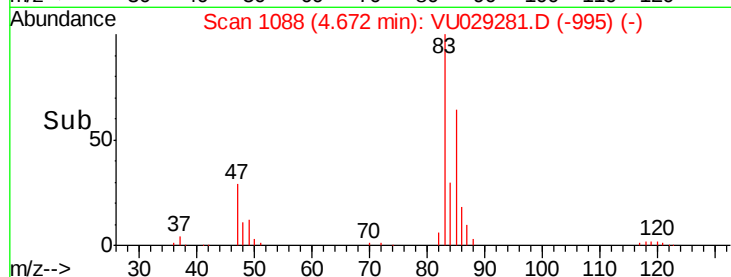
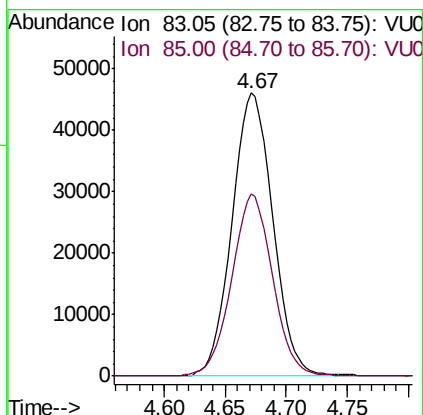
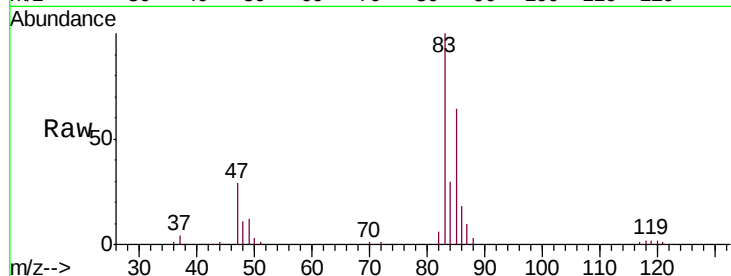




#25
Chloroform
Concen: 9.957 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

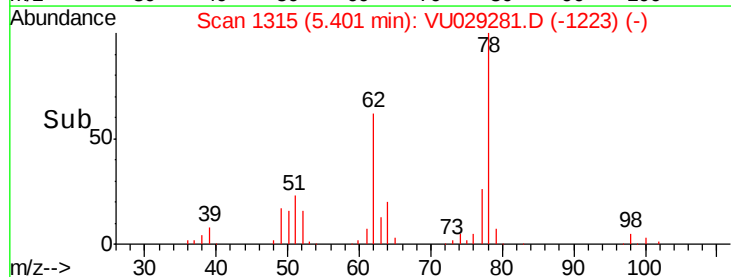
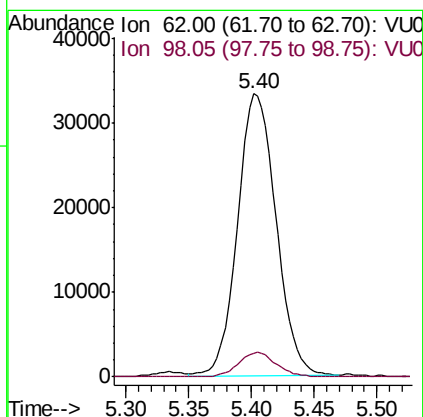
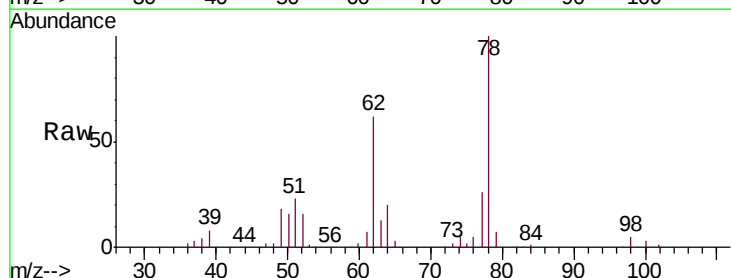
Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

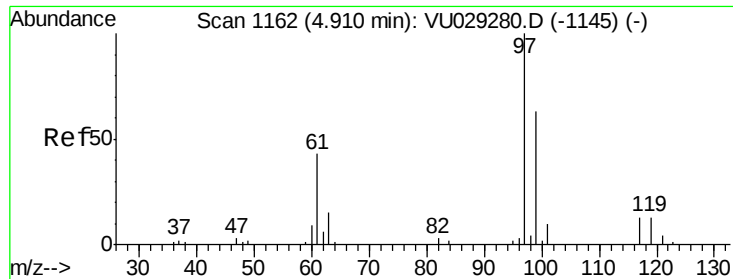
Tgt Ion: 83 Resp: 106984
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 9.663 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

Tgt Ion: 62 Resp: 71106
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

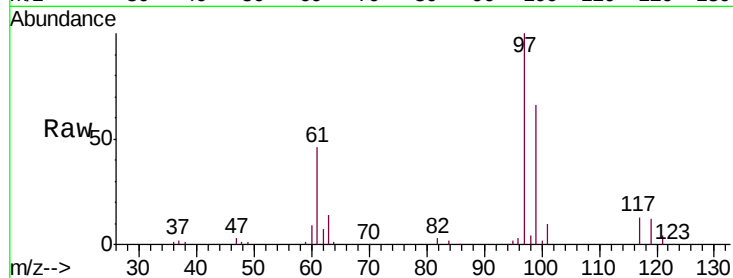




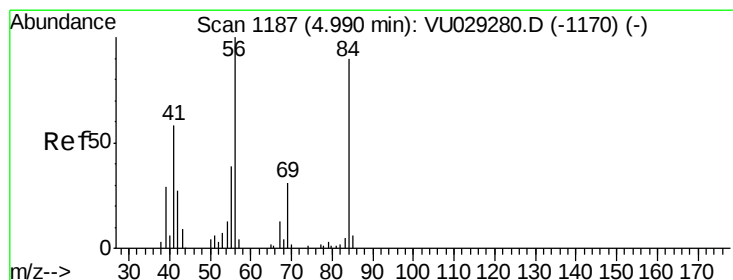
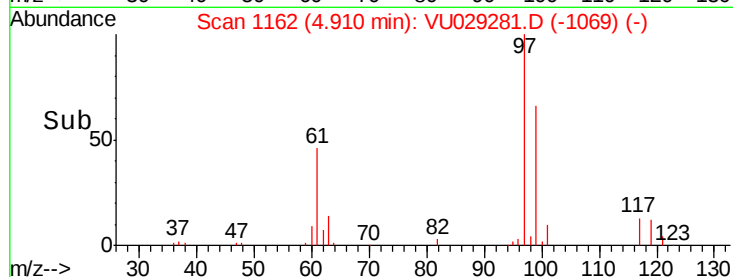
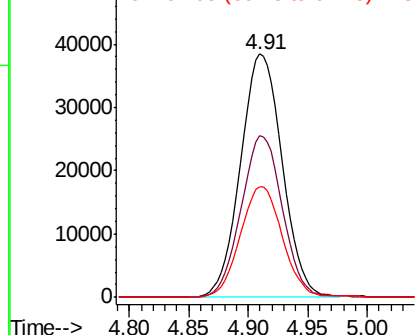
#29
 1,1,1-Trichloroethane
 Concen: 9.654 ug/L
 RT: 4.91 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion: 97 Resp: 93590
 Ion Ratio Lower Upper
 97 100
 99 65.9 49.8 74.8
 61 45.8 35.0 52.6

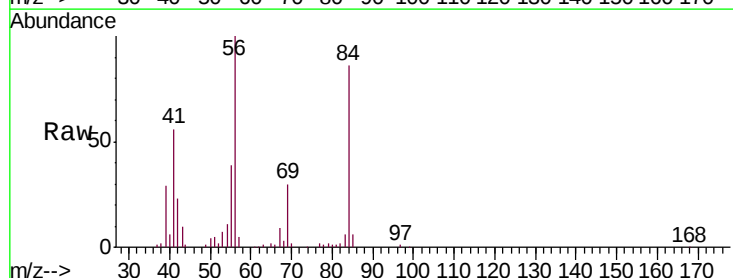


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

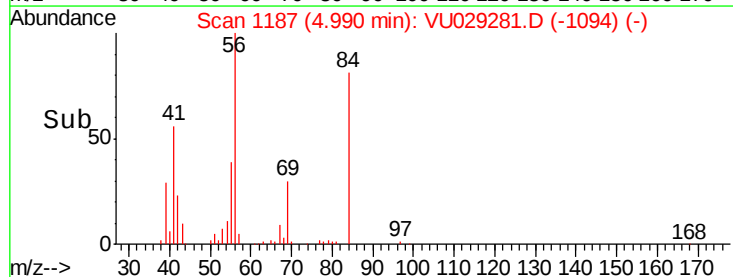
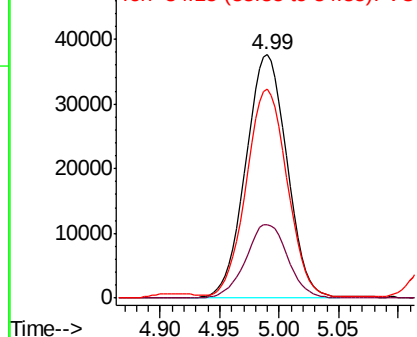


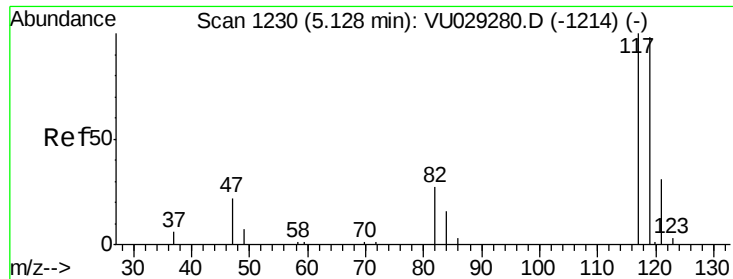
#30
 Cyclohexane
 Concen: 10.381 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Tgt Ion: 56 Resp: 90485
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.2 36.2
 84 84.7 72.3 108.5



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: 10.163 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

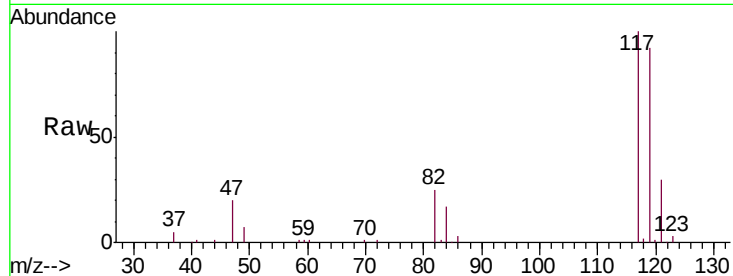
VSTD01045

Tgt Ion:117 Resp: 84046

Ion Ratio Lower Upper

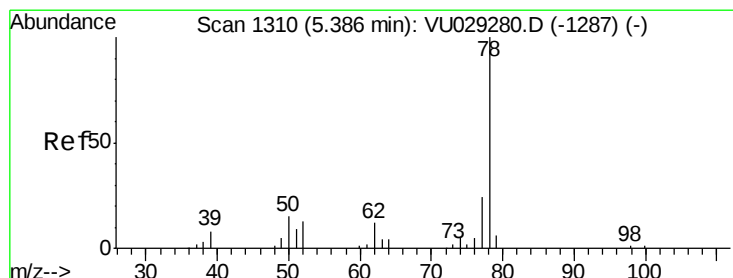
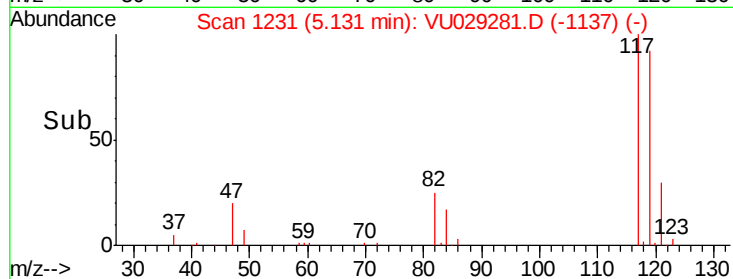
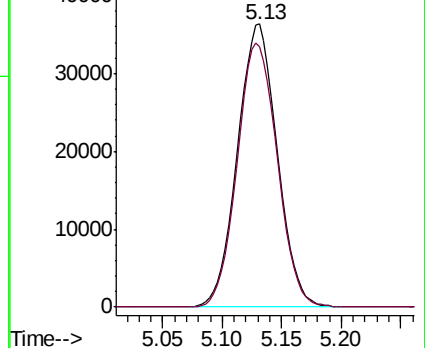
117 100

119 94.2 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.959 ug/L

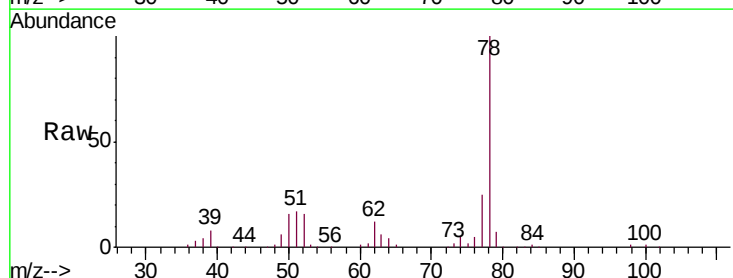
RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Tgt Ion: 78 Resp: 222126



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

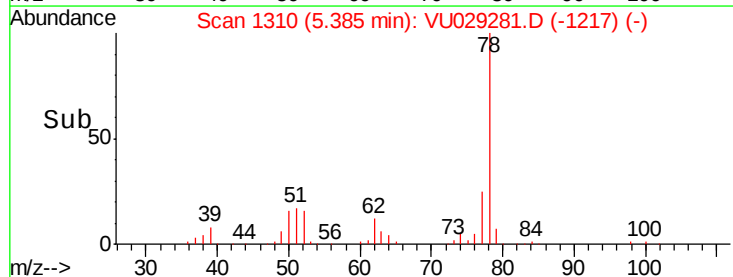
40000

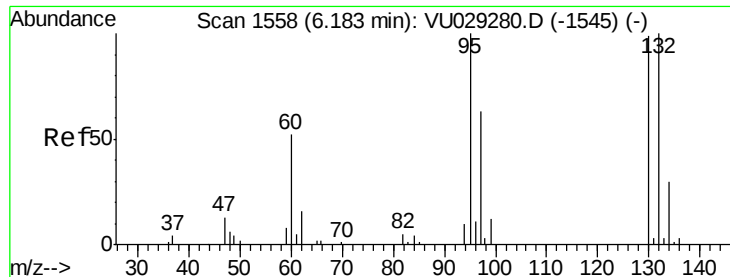
20000

0

5.30 5.40 5.50

Time-->





#34

Trichloroethene

Concen: 9.793 ug/L

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

Tgt Ion: 95 Resp: 57831

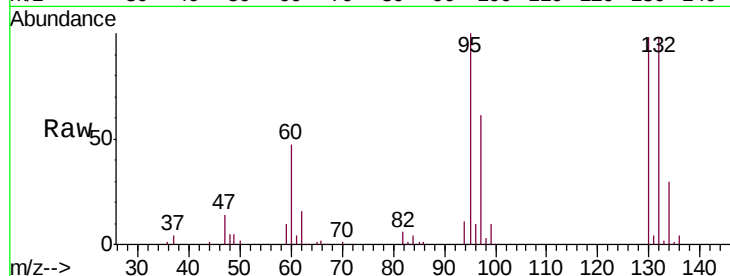
Ion Ratio Lower Upper

95 100

97 61.1 44.3 82.3

132 97.8 69.9 129.9

130 98.3 69.2 128.4

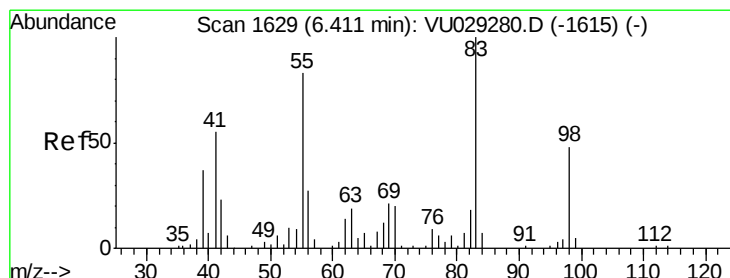
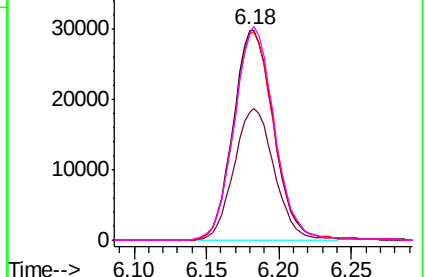
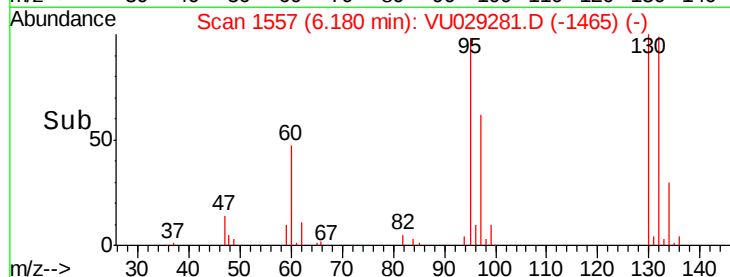


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.063 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

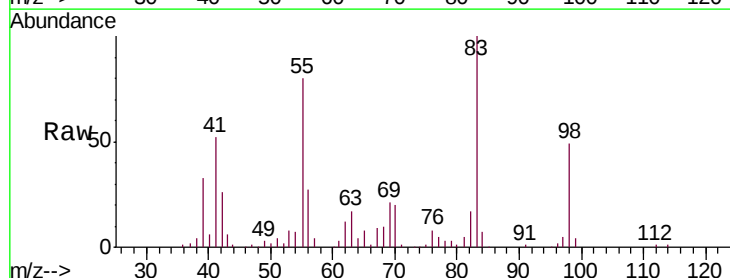
Tgt Ion: 83 Resp: 95021

Ion Ratio Lower Upper

83 100

55 82.9 66.3 99.5

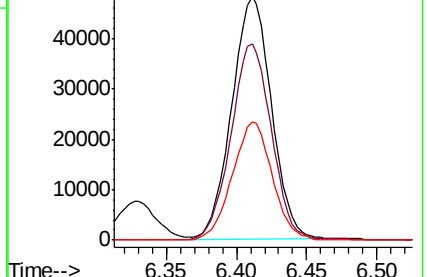
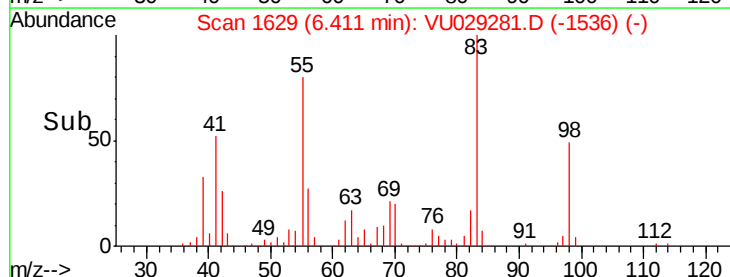
98 49.1 37.9 56.9

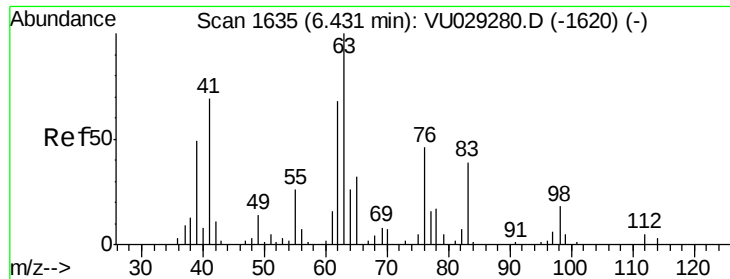


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

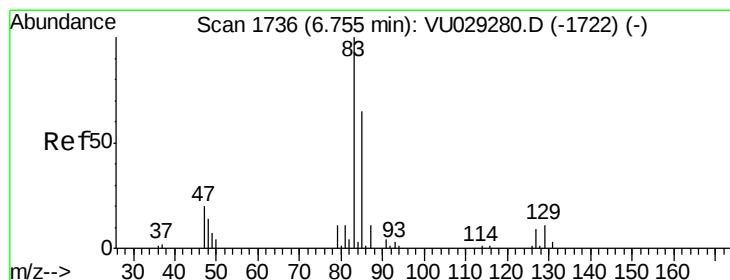
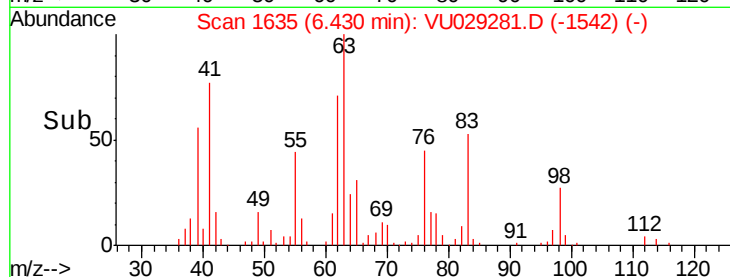
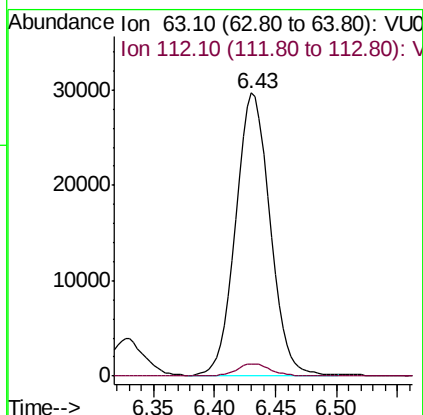
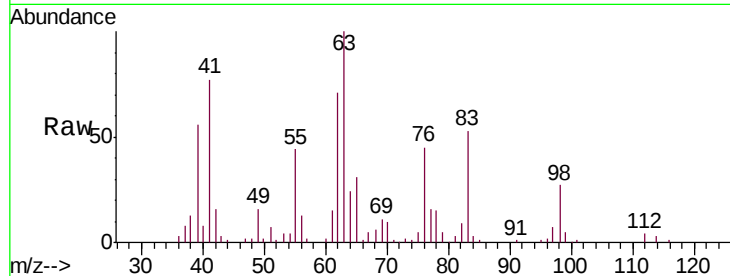




#37
 1,2-Dichloropropane
 Concen: 9.907 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

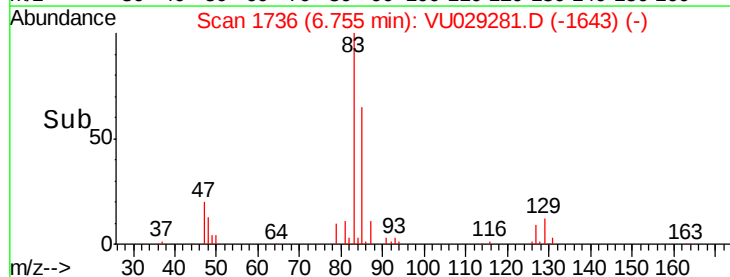
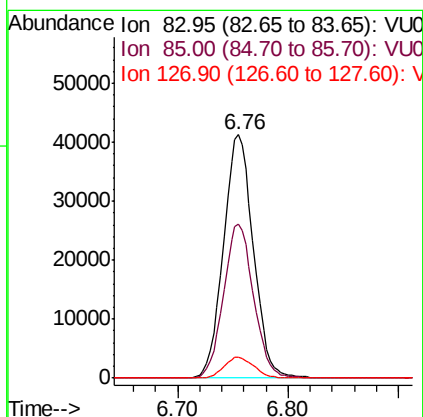
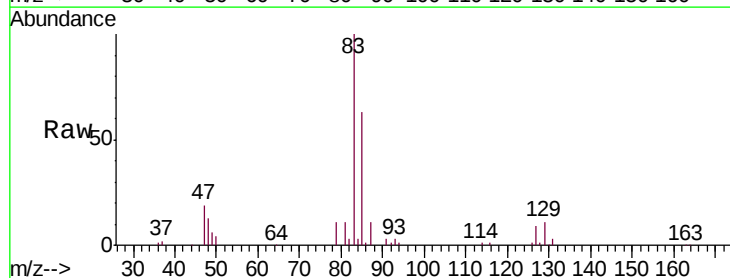
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

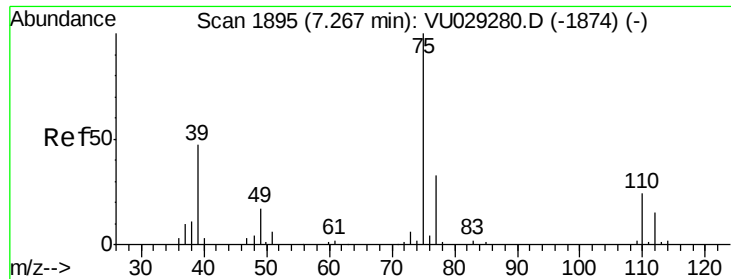
Tgt Ion: 63 Resp: 58317
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.9 5.9



#38
 Bromodichloromethane
 Concen: 9.954 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Tgt Ion: 83 Resp: 77429
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.3 84.1
 127 8.5 7.1 10.7

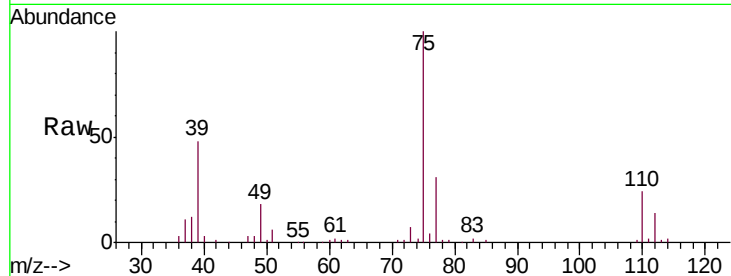




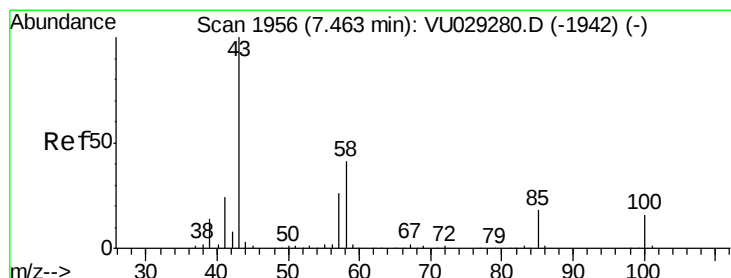
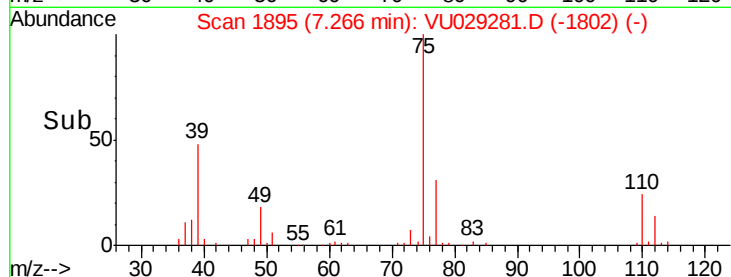
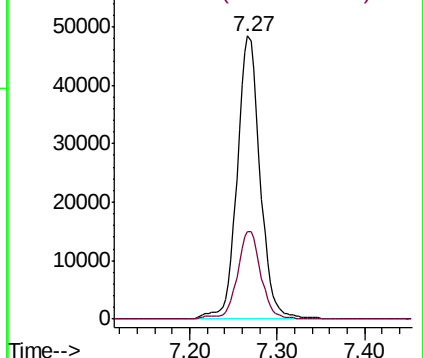
#39
 cis-1,3-Dichloropropene
 Concen: 10.474 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion: 75 Resp: 88618
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.2 43.0

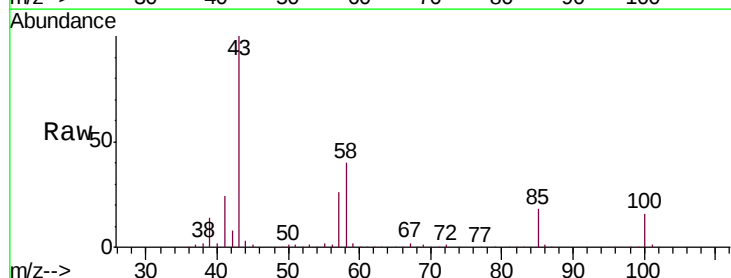


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

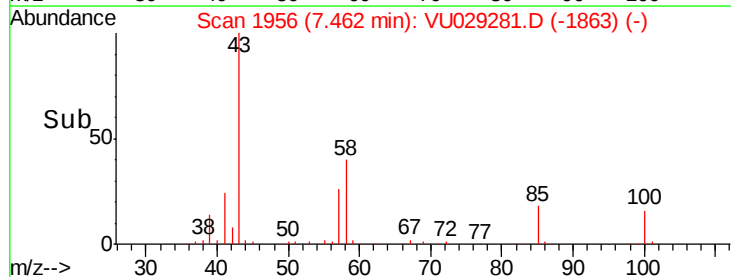
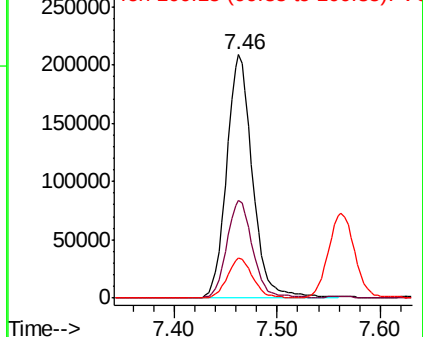


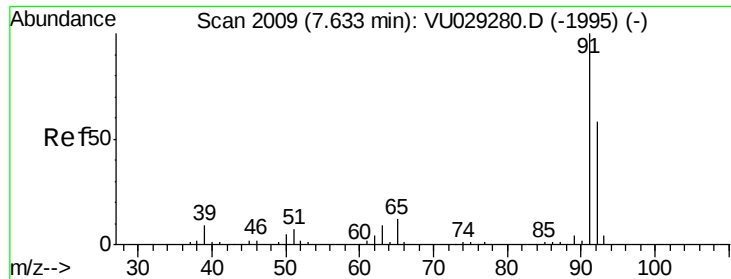
#40
 4-Methyl-2-pentanone
 Concen: 102.940 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Tgt Ion: 43 Resp: 365621
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.8 47.6
 100 16.0 12.4 18.6



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: 10.305 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

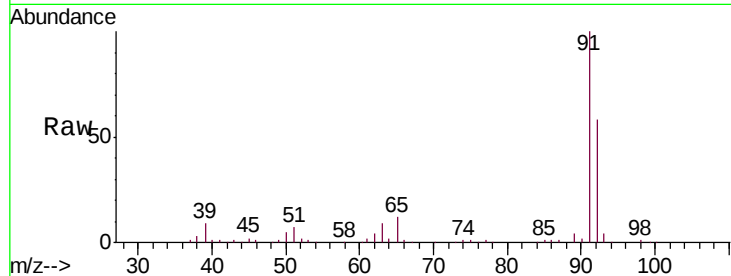
VSTD01045

Tgt Ion: 91 Resp: 247985

Ion Ratio Lower Upper

91 100

92 58.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU029281.D (-1916) (-)

Ion 92.15 (91.85 to 92.85): VU029281.D (-1916) (-)

7.63

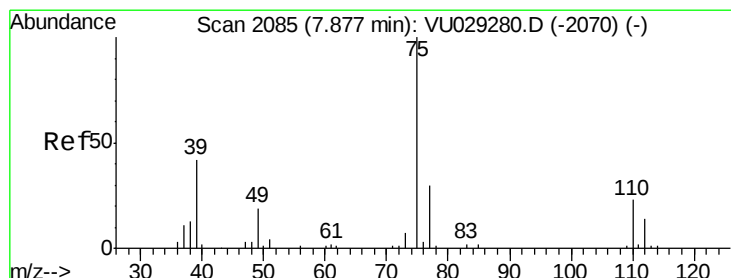
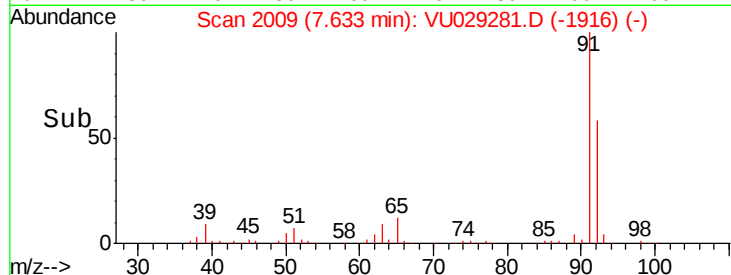
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.266 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU029281.D

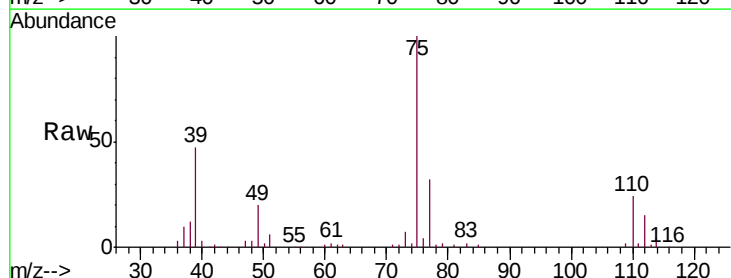
Acq: 25 Jan 2019 11:18

Tgt Ion: 75 Resp: 75522

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VU029281.D (-1992) (-)

Ion 77.05 (76.75 to 77.75): VU029281.D (-1992) (-)

7.88

50000

40000

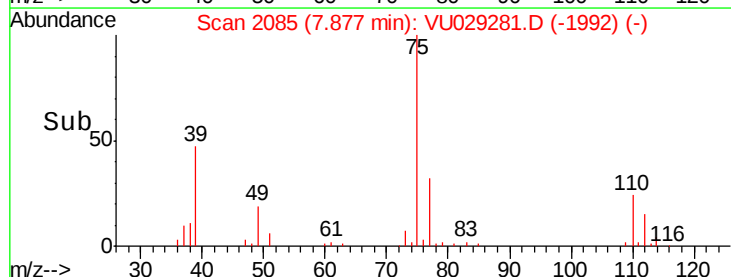
30000

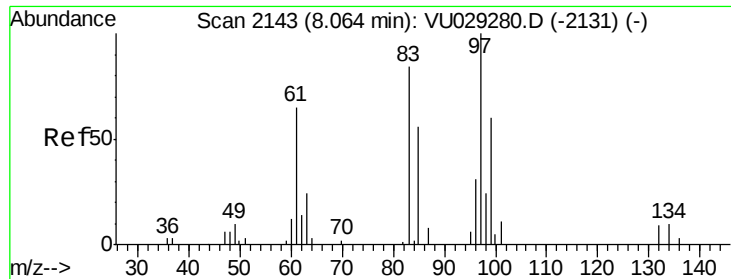
20000

10000

0

Time-->

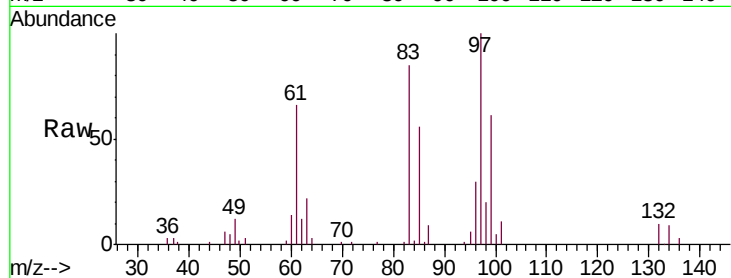




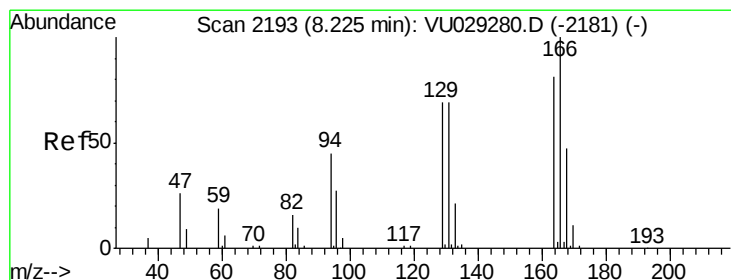
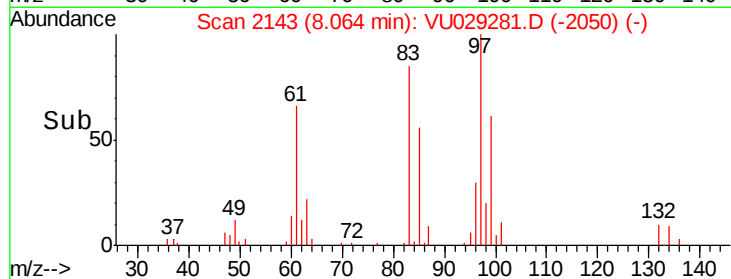
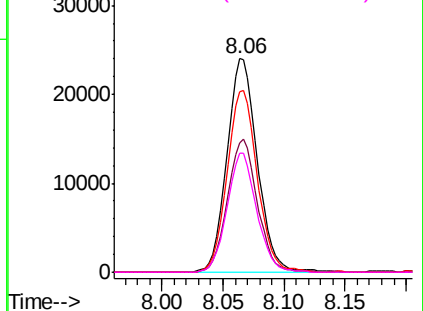
#45
 1,1,2-Trichloroethane
 Concen: 9.883 ug/L
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion:	97	Resp:	41815
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.1	78.3
83	84.7	58.7	108.9
85	55.9	39.4	73.2

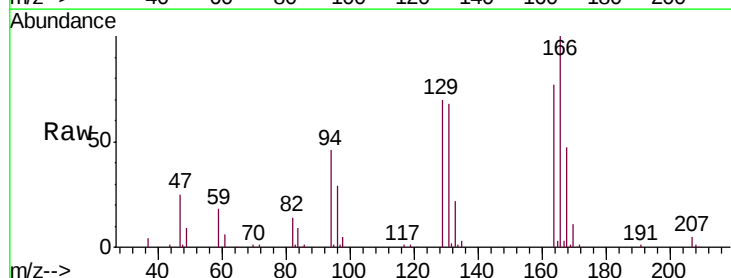


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

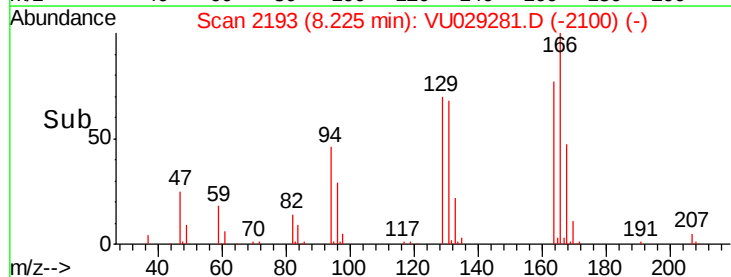
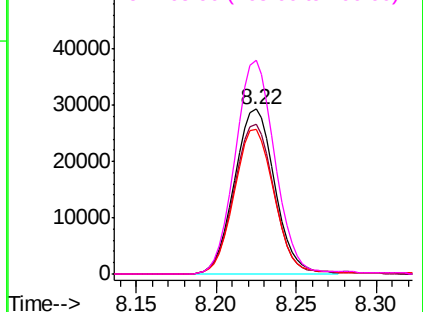


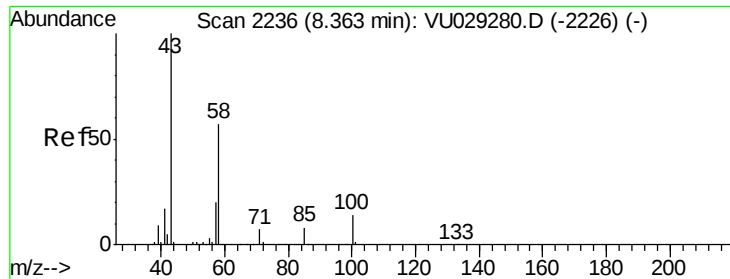
#47
 Tetrachloroethene
 Concen: 9.735 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Tgt Ion:	164	Resp:	50458
Ion	Ratio	Lower	Upper
164	100		
129	90.8	60.1	111.7
131	87.6	59.9	111.3
166	129.5	86.9	161.3



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

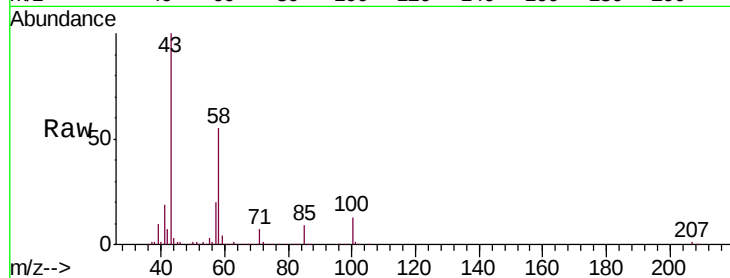




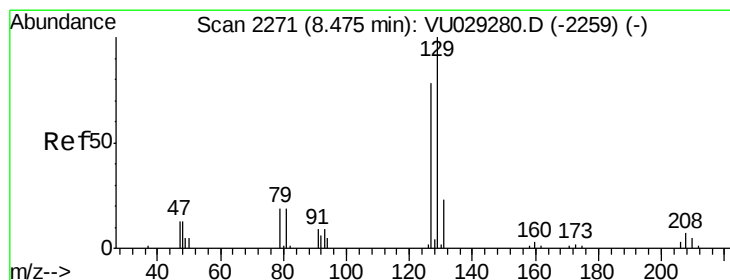
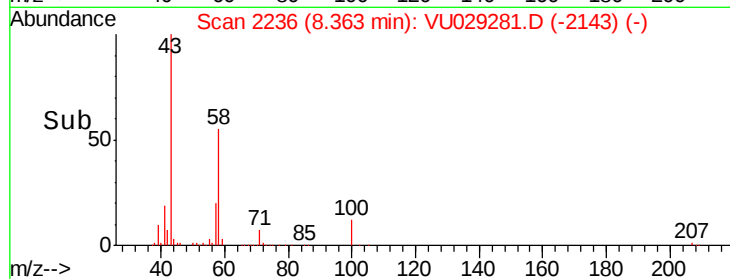
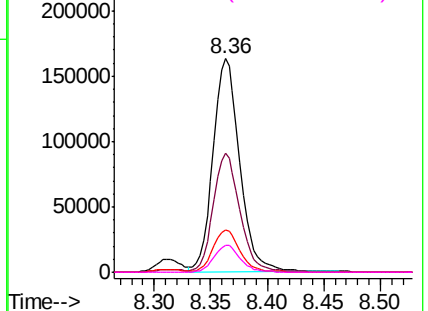
#48
2-Hexanone
Concen: 104.006 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

Tgt Ion: 43 Resp: 269226
Ion Ratio Lower Upper
43 100
58 55.7 44.2 66.2
57 20.0 15.4 23.2
100 12.7 10.0 15.0

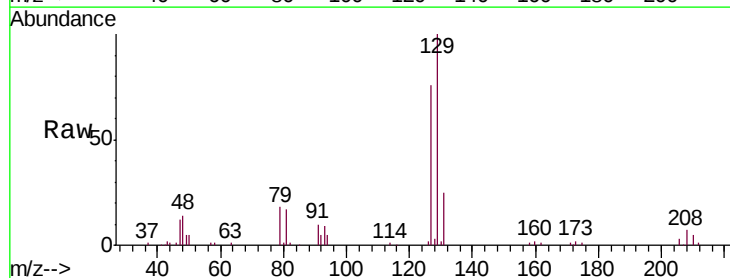


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

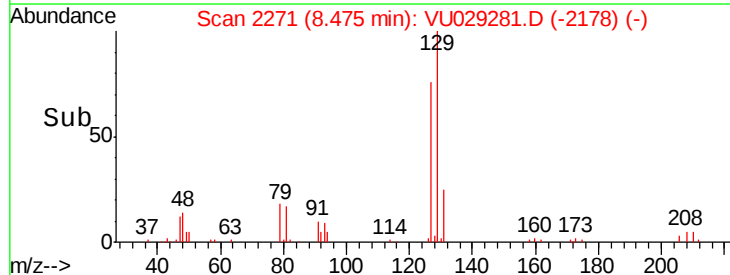
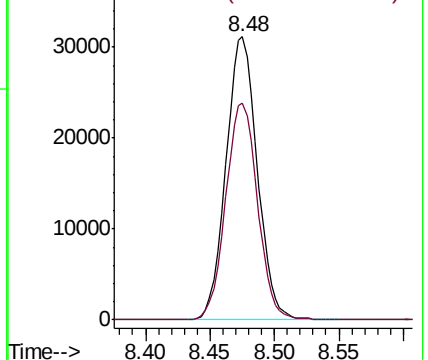


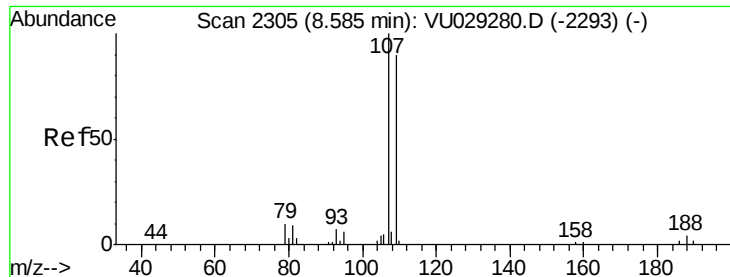
#49
Dibromochloromethane
Concen: 9.975 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

Tgt Ion: 129 Resp: 52395
Ion Ratio Lower Upper
129 100
127 76.5 54.7 101.7



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

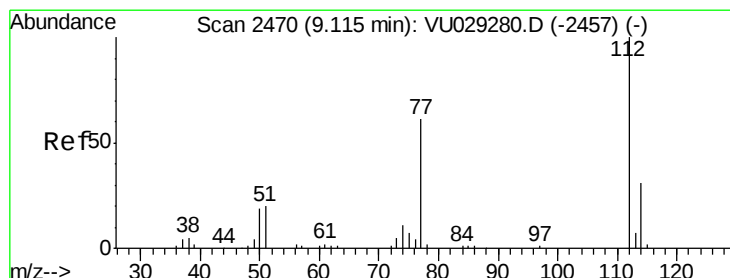
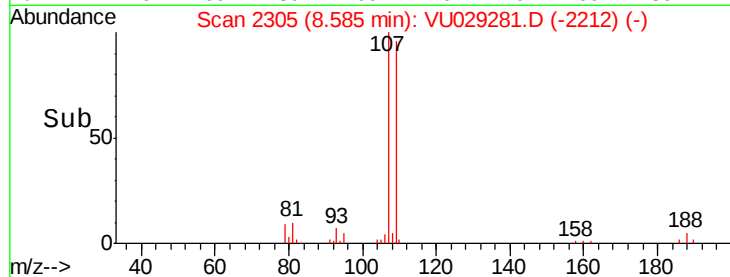
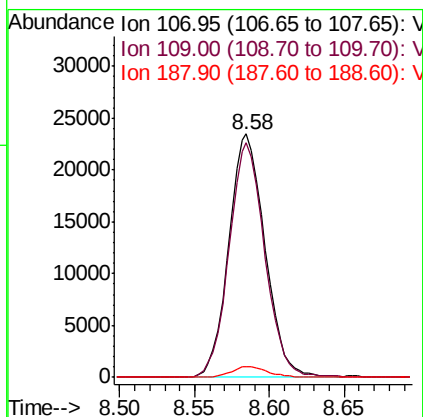
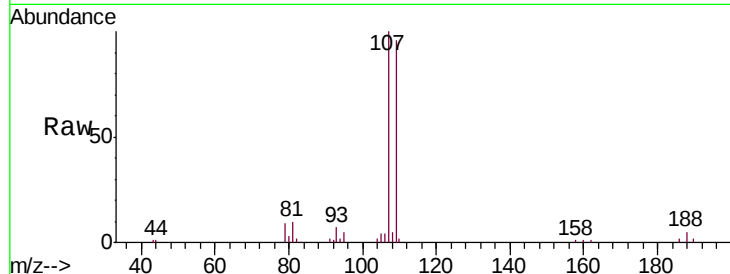




#50
1,2-Dibromoethane
Concen: 9.648 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

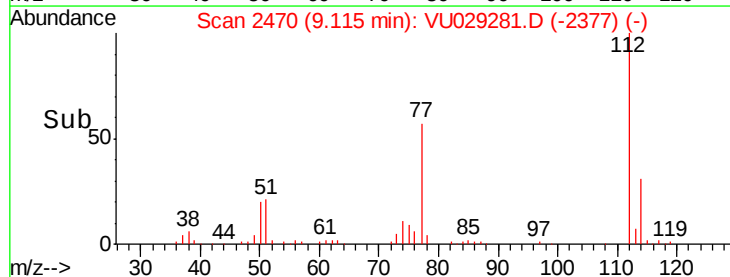
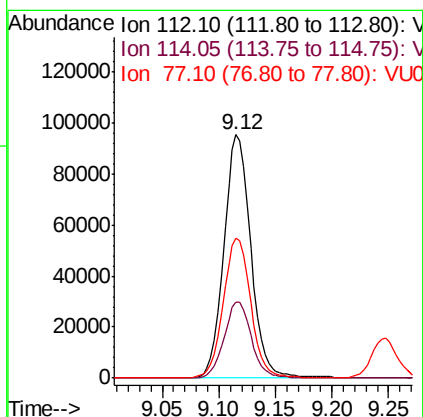
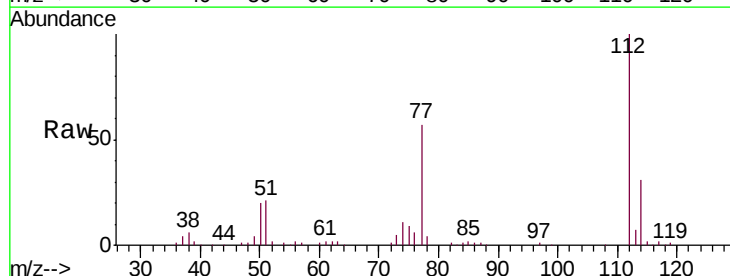
Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

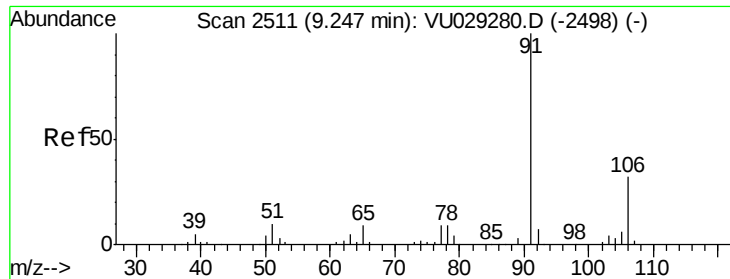
Tgt Ion:107 Resp: 39489
Ion Ratio Lower Upper
107 100
109 96.2 62.7 116.5
188 4.6 3.4 5.0



#51
Chlorobenzene
Concen: 10.014 ug/L
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

Tgt Ion:112 Resp: 158415
Ion Ratio Lower Upper
112 100
114 31.4 22.0 40.8
77 57.5 49.0 73.4

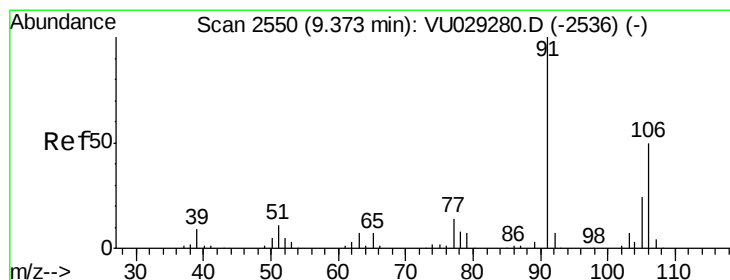
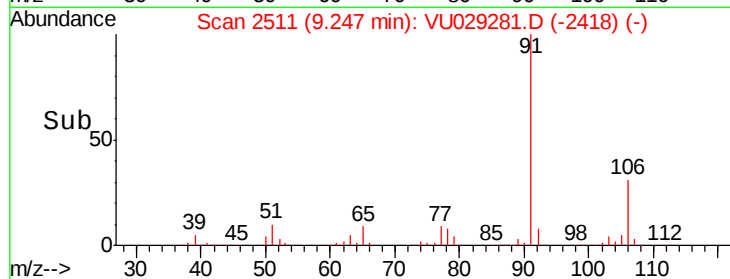
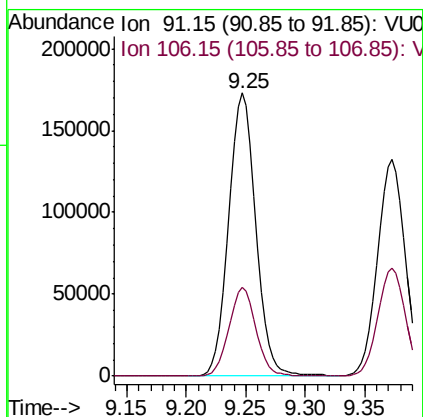
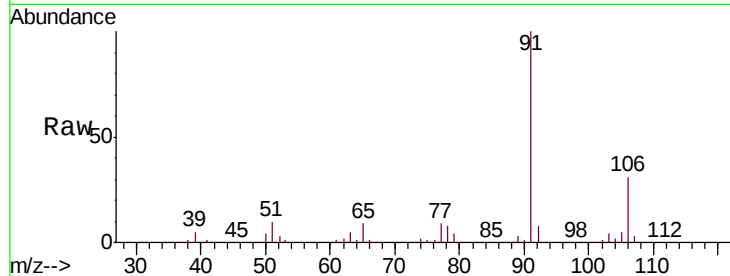




#52
Ethylbenzene
Concen: 10.384 ug/L
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

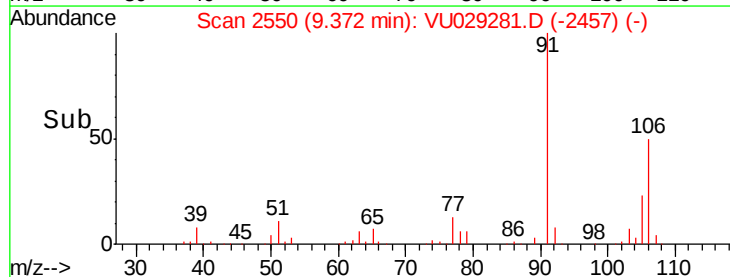
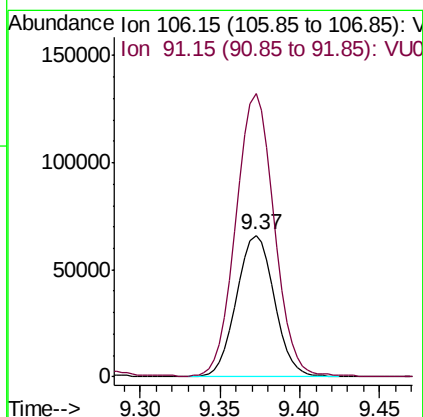
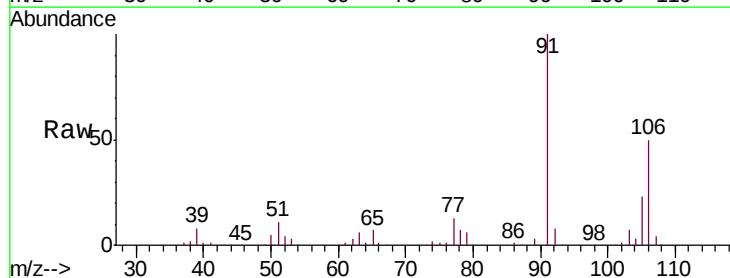
Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

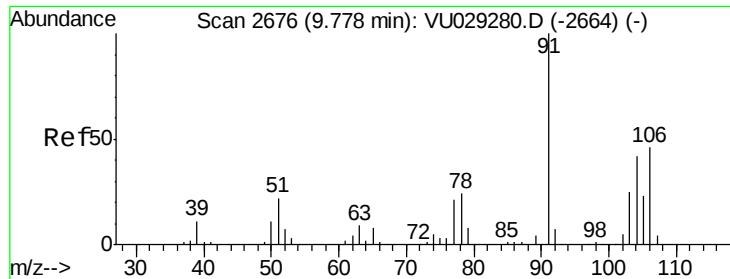
Tgt Ion: 91 Resp: 274191
Ion Ratio Lower Upper
91 100
106 31.5 22.0 41.0



#53
m,p-xylene
Concen: 10.595 ug/L
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU029281.D
Acq: 25 Jan 2019 11:18

Tgt Ion: 106 Resp: 106286
Ion Ratio Lower Upper
106 100
91 200.3 141.5 262.7





#54

o-xylene

Concen: 10.836 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

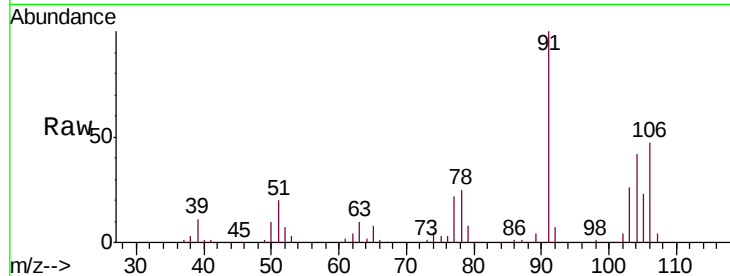
VSTD01045

Tgt Ion:106 Resp: 103416

Ion Ratio Lower Upper

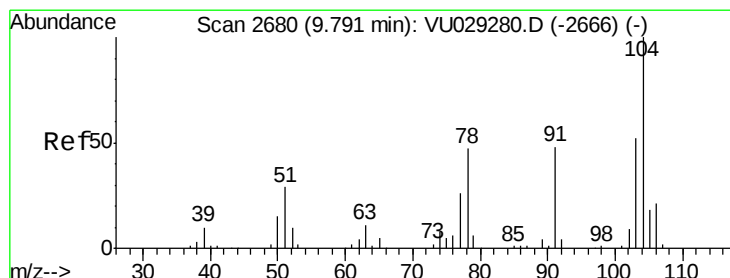
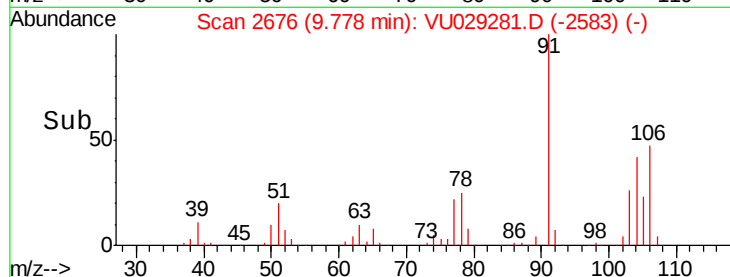
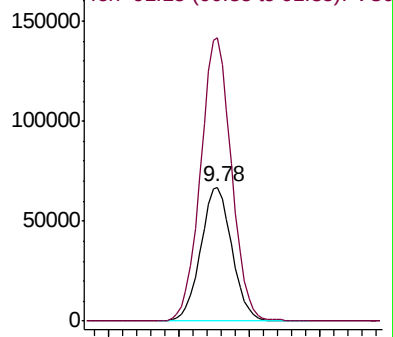
106 100

91 211.5 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 10.825 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VU029281.D

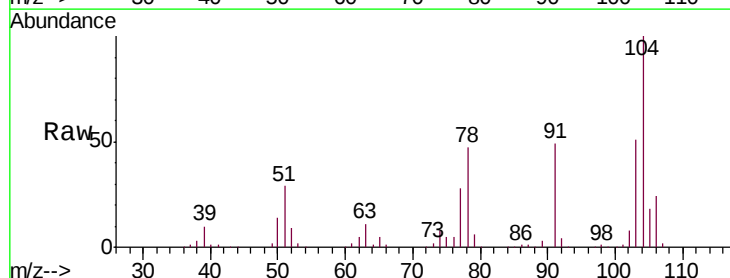
Acq: 25 Jan 2019 11:18

Tgt Ion:104 Resp: 179770

Ion Ratio Lower Upper

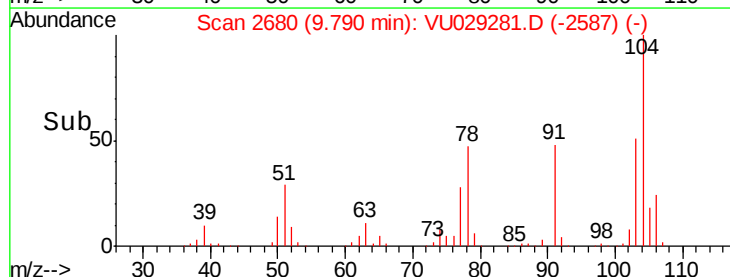
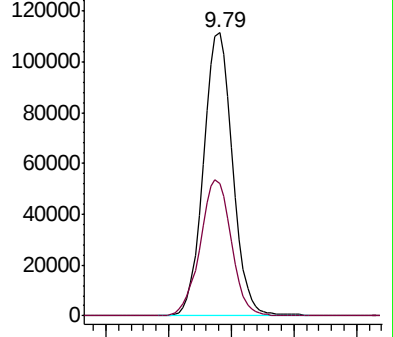
104 100

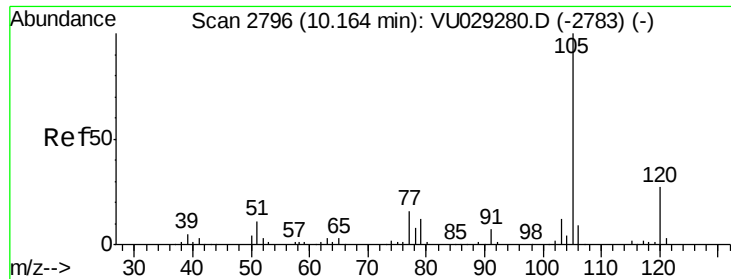
78 46.9 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.788 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

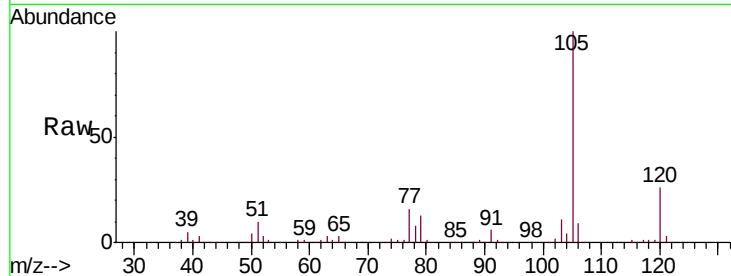
Tgt Ion: 105 Resp: 277412

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

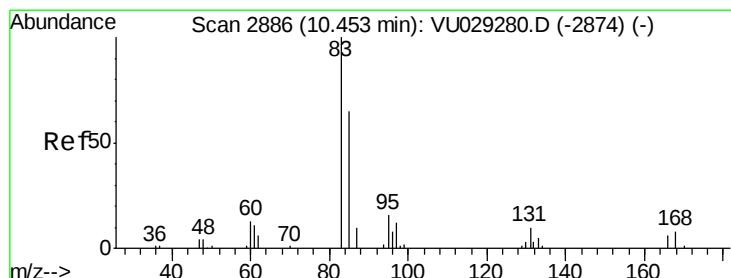
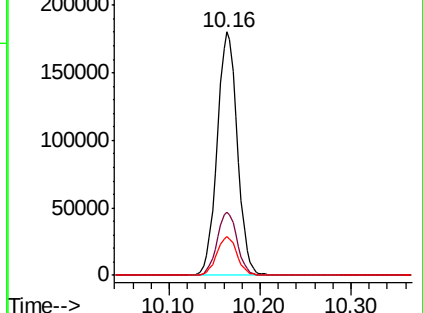
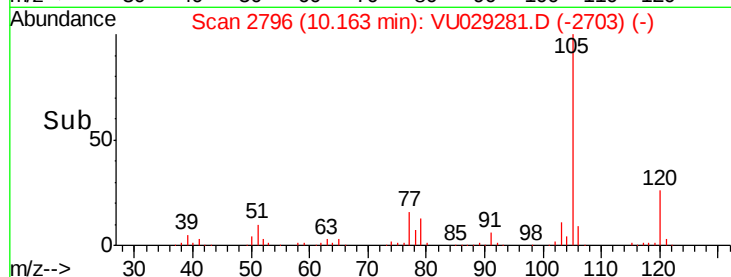
77 15.9 12.8 19.2



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: 9.856 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

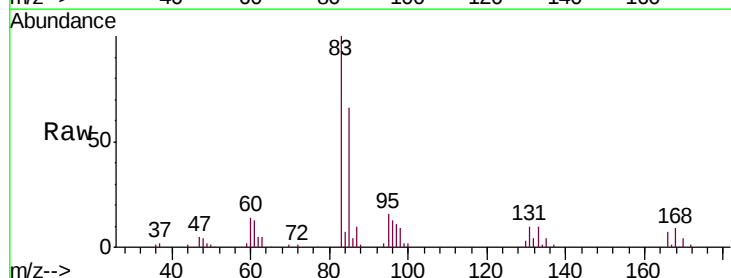
Tgt Ion: 83 Resp: 54344

Ion Ratio Lower Upper

83 100

85 66.0 45.8 85.0

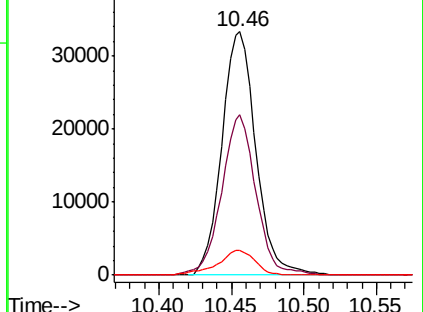
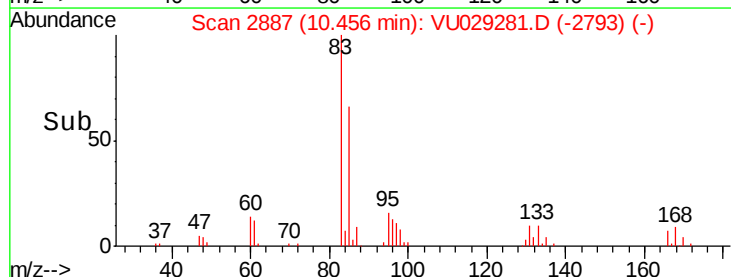
131 10.2 8.8 13.2

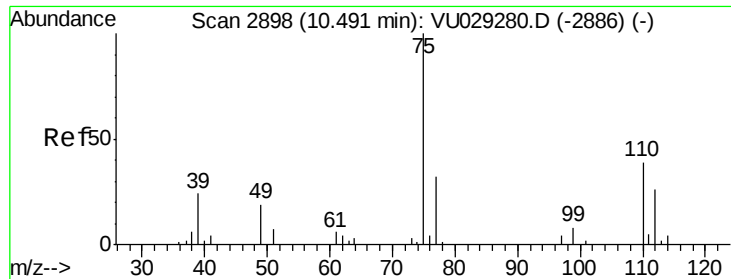


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

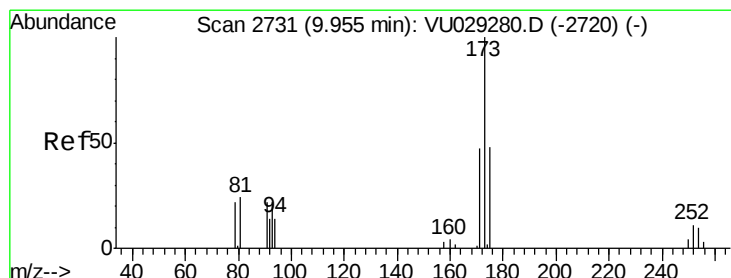
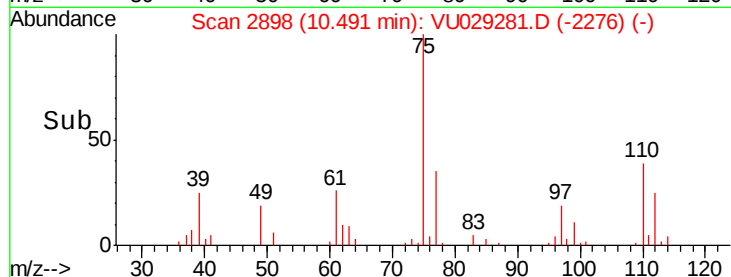
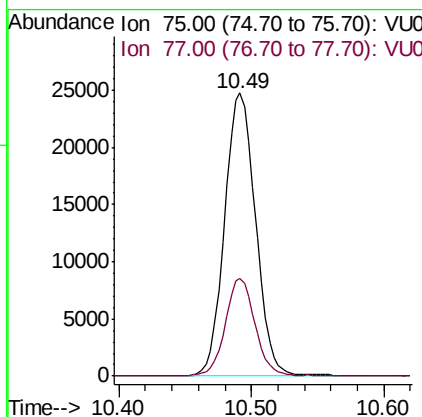
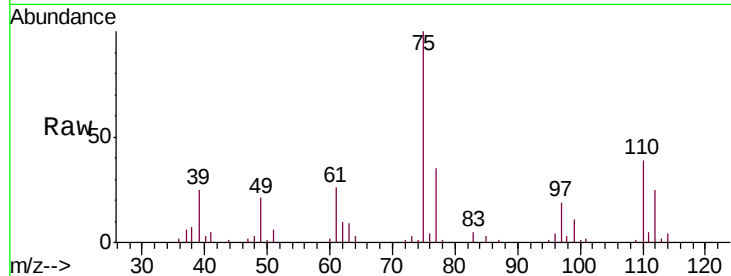




#59
 1,2,3-Trichloropropane
 Concen: 9.910 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

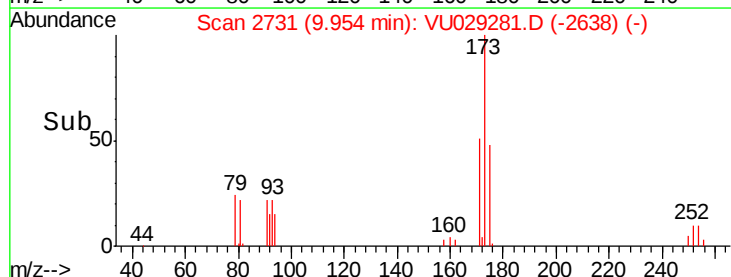
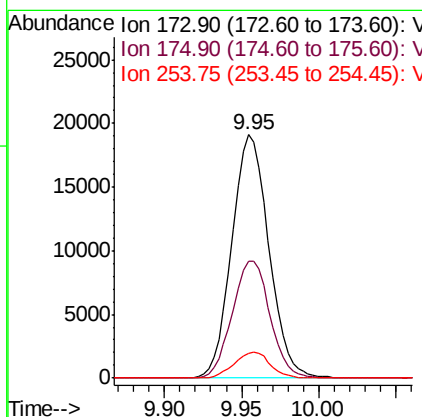
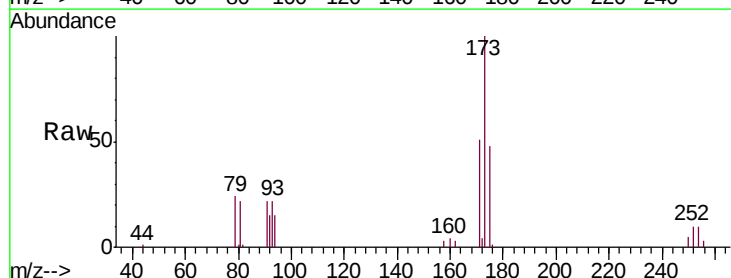
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

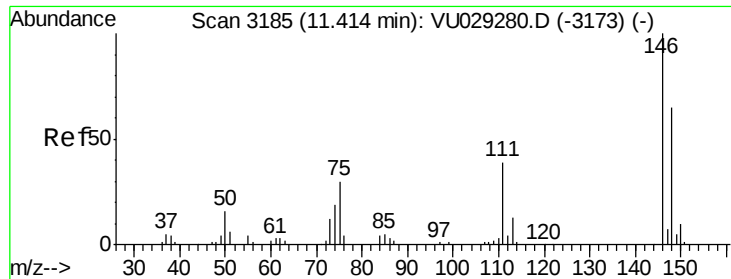
Tgt Ion: 75 Resp: 40179
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.2 39.4



#61
 Bromoform
 Concen: 9.516 ug/L
 RT: 9.95 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Tgt Ion: 173 Resp: 31774
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.4 59.2
 254 10.3 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 9.816 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

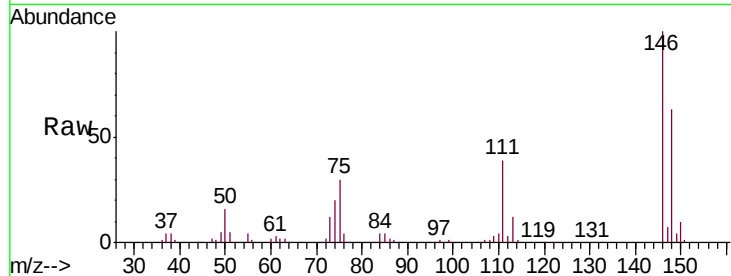
Tgt Ion:146 Resp: 131812

Ion Ratio Lower Upper

146 100

111 39.0 27.2 50.6

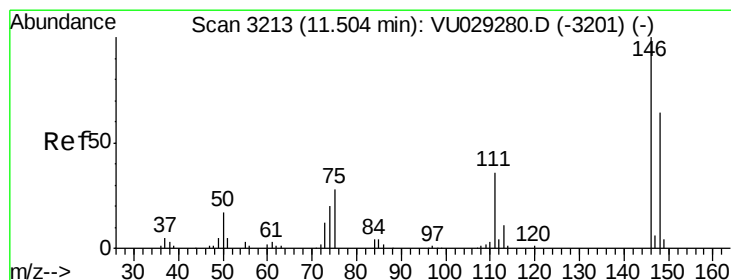
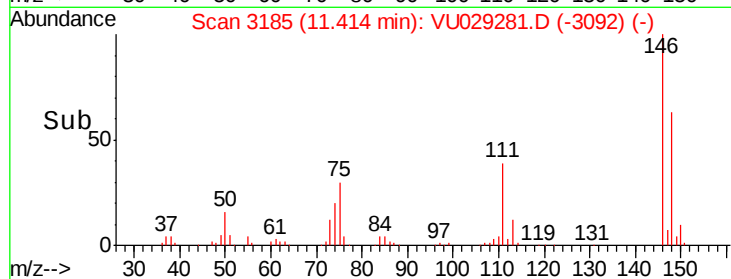
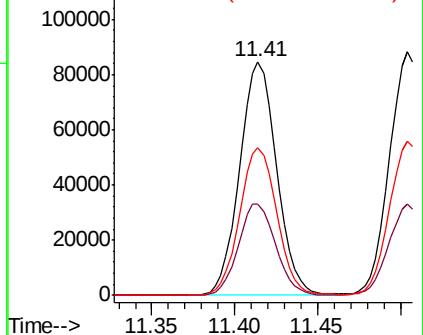
148 63.0 45.8 85.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.617 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

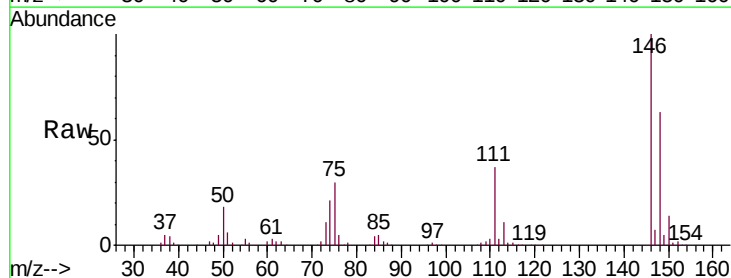
Tgt Ion:146 Resp: 137705

Ion Ratio Lower Upper

146 100

111 37.2 25.5 47.3

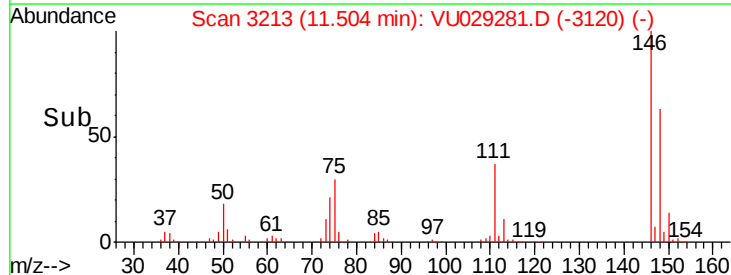
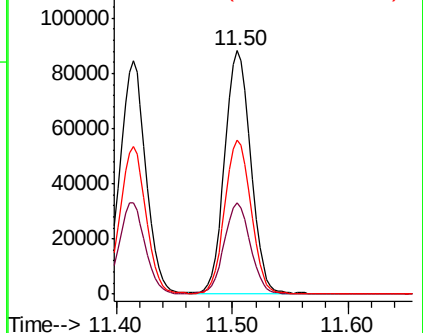
148 63.1 44.9 83.5

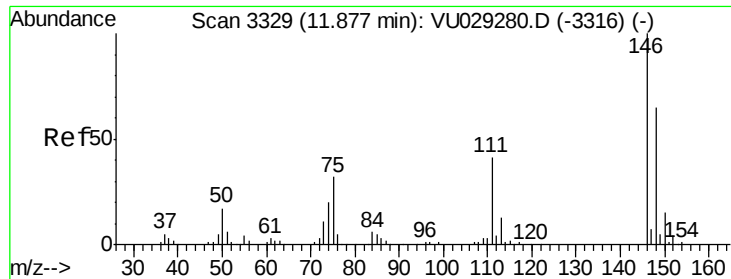


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.845 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

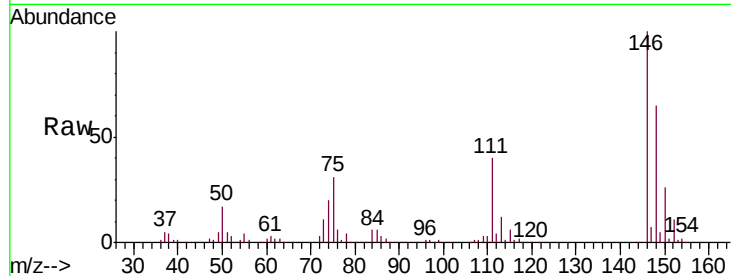
Tgt Ion:146 Resp: 129729

Ion Ratio Lower Upper

146 100

111 39.7 32.6 49.0

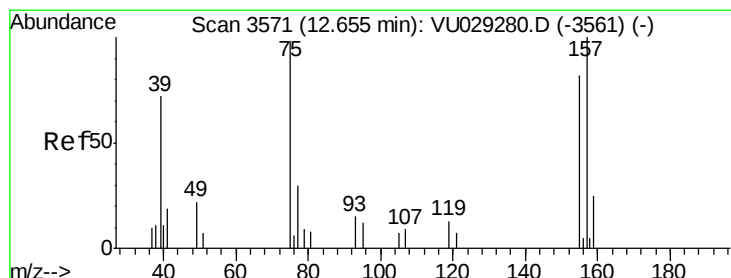
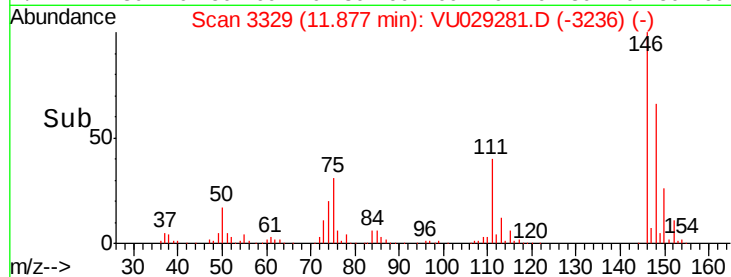
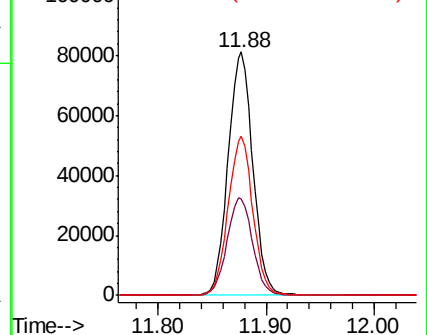
148 65.4 52.2 78.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.151 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

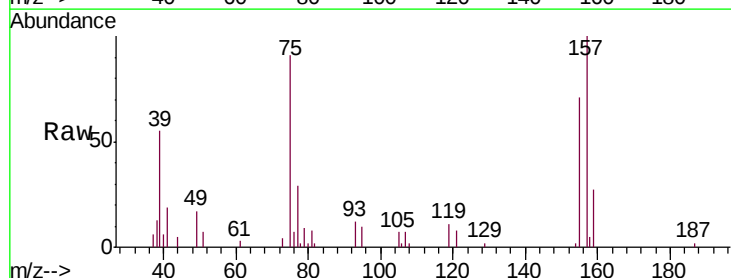
Tgt Ion: 75 Resp: 9518

Ion Ratio Lower Upper

75 100

155 78.7 66.6 100.0

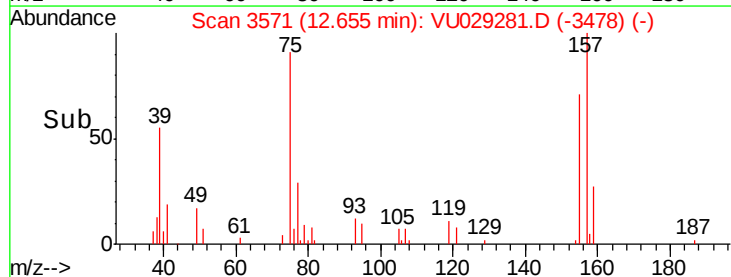
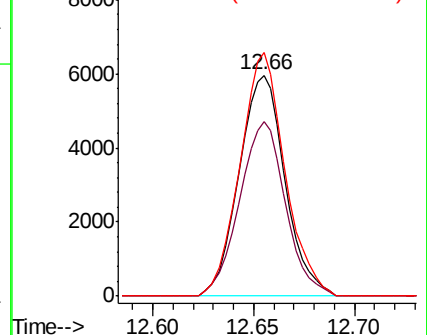
157 110.2 81.3 121.9

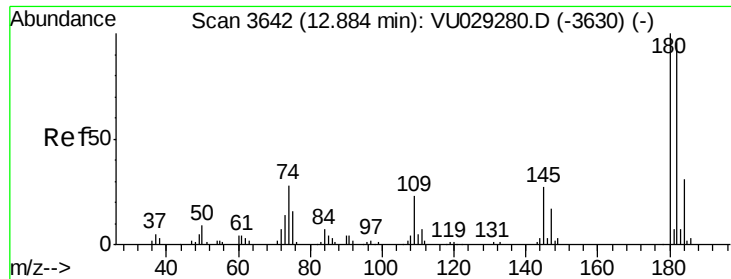


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

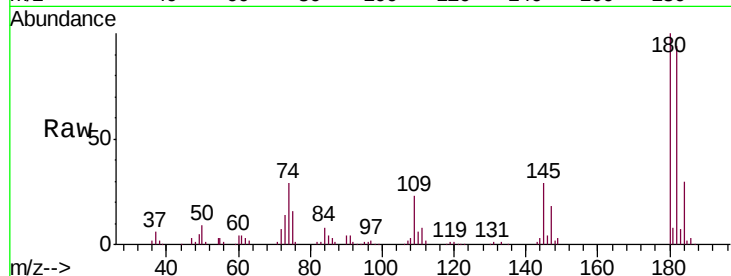




#67
 1,3,5-Trichlorobenzene
 Concen: 9.901 ug/L
 RT: 12.88 min Scan# 3642
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	29.7	24.4	36.6
145	27.9	22.4	33.6



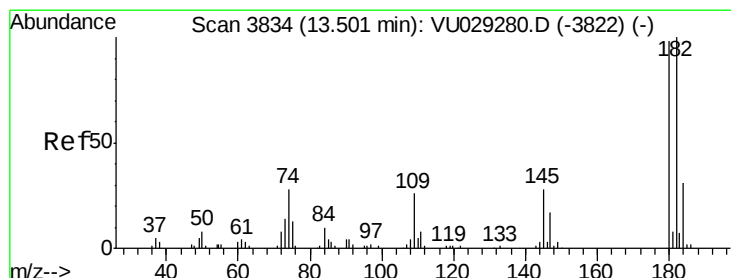
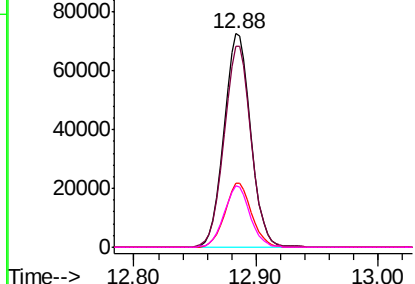
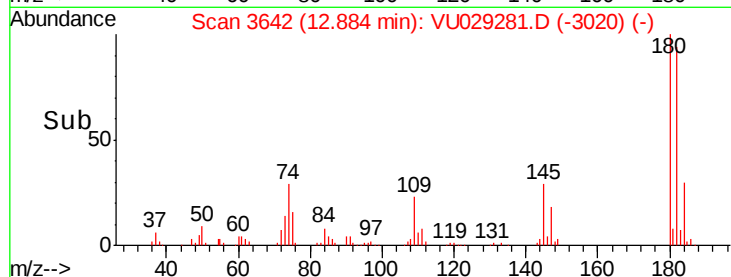
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

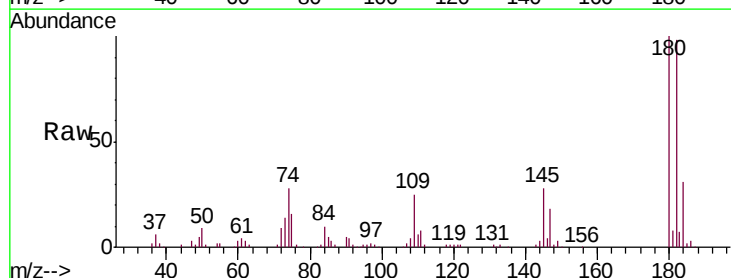
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.290 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029281.D
 Acq: 25 Jan 2019 11:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	79.8	119.6
145	28.4	22.6	34.0

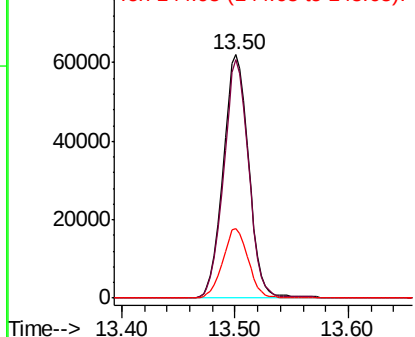
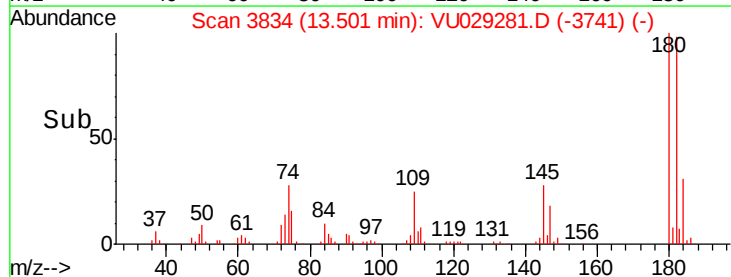


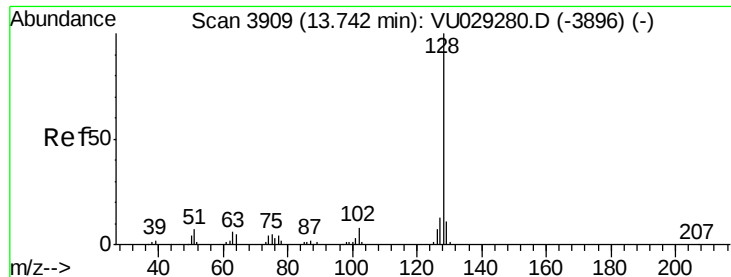
Abundance

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: 10.848 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

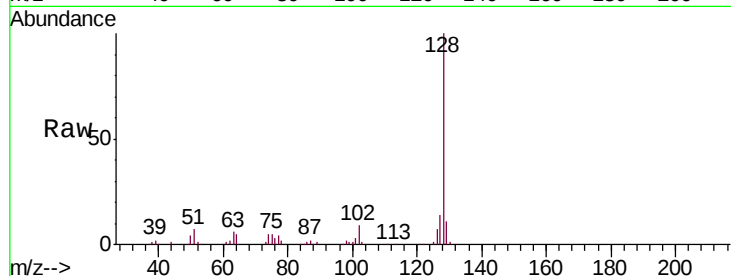
Tgt Ion:128 Resp: 162768

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

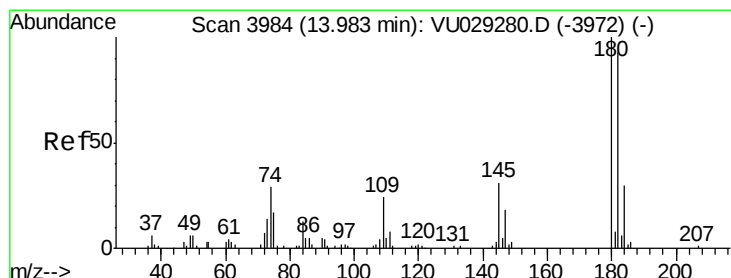
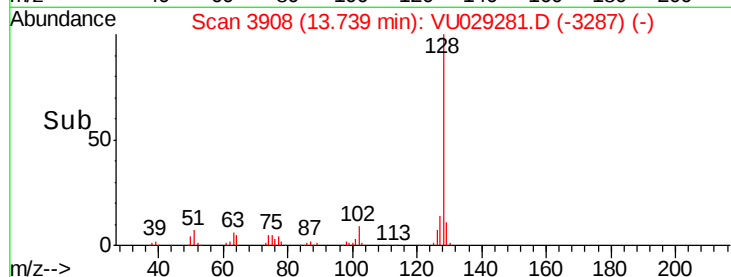
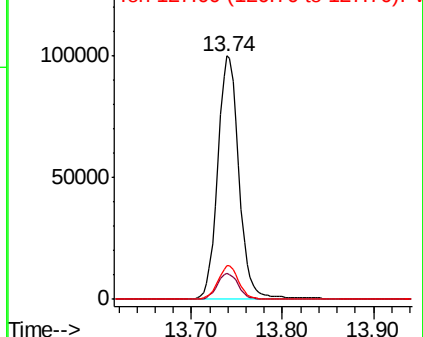
127 13.5 10.4 15.6



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: 10.357 ug/L

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU029281.D

Acq: 25 Jan 2019 11:18

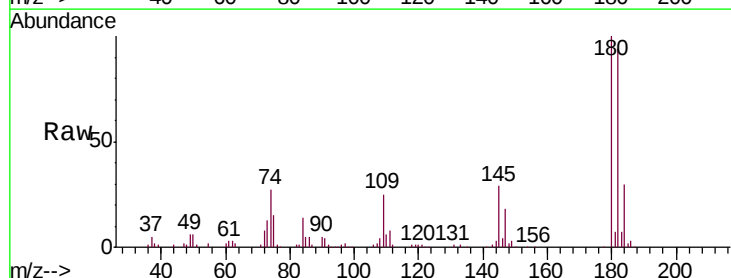
Tgt Ion:180 Resp: 91379

Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 30.2 24.5 36.7



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

