

Data File : VU029282.D
Acq On : 25 Jan 2019 11:41
Operator : JC/SP
Sample : VSTD02046
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

Quant Time: Jan 28 01:34:38 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	67682	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	71765	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	41078	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133436	20.83	ug/L	0.00
7) Chloroethane-d5	1.67	69	98978	20.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	232290	20.43	ug/L	0.00
20) 2-Butanone-d5	4.19	46	296412	224.30	ug/L	0.00
24) Chloroform-d	4.64	84	221074	21.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	118767	20.40	ug/L	0.00
32) Benzene-d6	5.34	84	424970	20.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	127244	20.79	ug/L	0.00
41) Toluene-d8	7.56	98	406645	21.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	60422	22.20	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	298031	237.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114466	21.14	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	170549	20.98	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	187304	19.999	ug/L	99
3) Chloromethane	1.32	50	161142	19.619	ug/L	98
5) Vinyl chloride	1.40	62	163794	19.943	ug/L	99
6) Bromomethane	1.61	94	93059	21.042	ug/L	98
8) Chloroethane	1.69	64	86242	18.794	ug/L	99
9) Trichlorofluoromethane	1.88	101	214700	19.658	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	111670	20.107	ug/L	99
12) 1,1-Dichloroethene	2.28	96	103212	20.162	ug/L	98
13) Acetone	2.32	43	186235	188.219	ug/L	99
14) Carbon disulfide	2.47	76	348029	19.631	ug/L	100
15) Methyl Acetate	2.62	43	44839	18.907	ug/L	98
16) Methylene chloride	2.70	84	108017	17.980	ug/L	94
17) Methyl tert-butyl Ether	3.00	73	271691	20.446	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	110024	19.808	ug/L	96
19) 1,1-Dichloroethane	3.44	63	193883	19.563	ug/L	99
21) 2-Butanone	4.28	43	301517	210.531	ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	116734	20.903	ug/L	96
23) Bromochloromethane	4.54	128	50999	20.102	ug/L	96
25) Chloroform	4.67	83	207469	19.990	ug/L	98
27) 1,2-Dichloroethane	5.40	62	143426	20.179	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	189661	19.493	ug/L	98
30) Cyclohexane	4.99	56	184219	21.058	ug/L	97
31) Carbon tetrachloride	5.13	117	165094	19.892	ug/L	99
33) Benzene	5.39	78	442775	19.780	ug/L	100
34) Trichloroethene	6.18	95	117689	19.858	ug/L	98
35) Methylcyclohexane	6.41	83	195256	20.603	ug/L	98
37) 1,2-Dichloropropane	6.43	63	114255	19.340	ug/L	99
38) Bromodichloromethane	6.75	83	153371	19.645	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	182116	21.446	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	743777	208.648	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	493375	20.427	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	159100	21.548	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	83142	19.580	ug/L	98
47) Tetrachloroethene	8.22	164	102969	19.794	ug/L	99
48) 2-Hexanone	8.36	43	550234	211.790	ug/L	99
49) Dibromochloromethane	8.48	129	106508	20.203	ug/L	98
50) 1,2-Dibromoethane	8.58	107	79716	19.405	ug/L	97
51) Chlorobenzene	9.12	112	319609	20.130	ug/L	98
52) Ethylbenzene	9.25	91	568697	21.460	ug/L	99
53) m,p-xylene	9.37	106	213741	21.229	ug/L	97
54) o-xylene	9.78	106	209965	21.919	ug/L	99
55) Styrene	9.79	104	371022	22.260	ug/L	99
56) Isopropylbenzene	10.16	105	578655	22.421	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	111076	20.073	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	81008	19.907	ug/L	100
61) Bromoform	9.95	173	64909	18.963	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	276632	20.097	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	284711	19.397	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	271525	20.101	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	20571	21.402	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	242280	20.886	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	218734	22.521	ug/L	97
69) Naphthalene	13.74	128	384439	24.993	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	203493	22.499	ug/L	99

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

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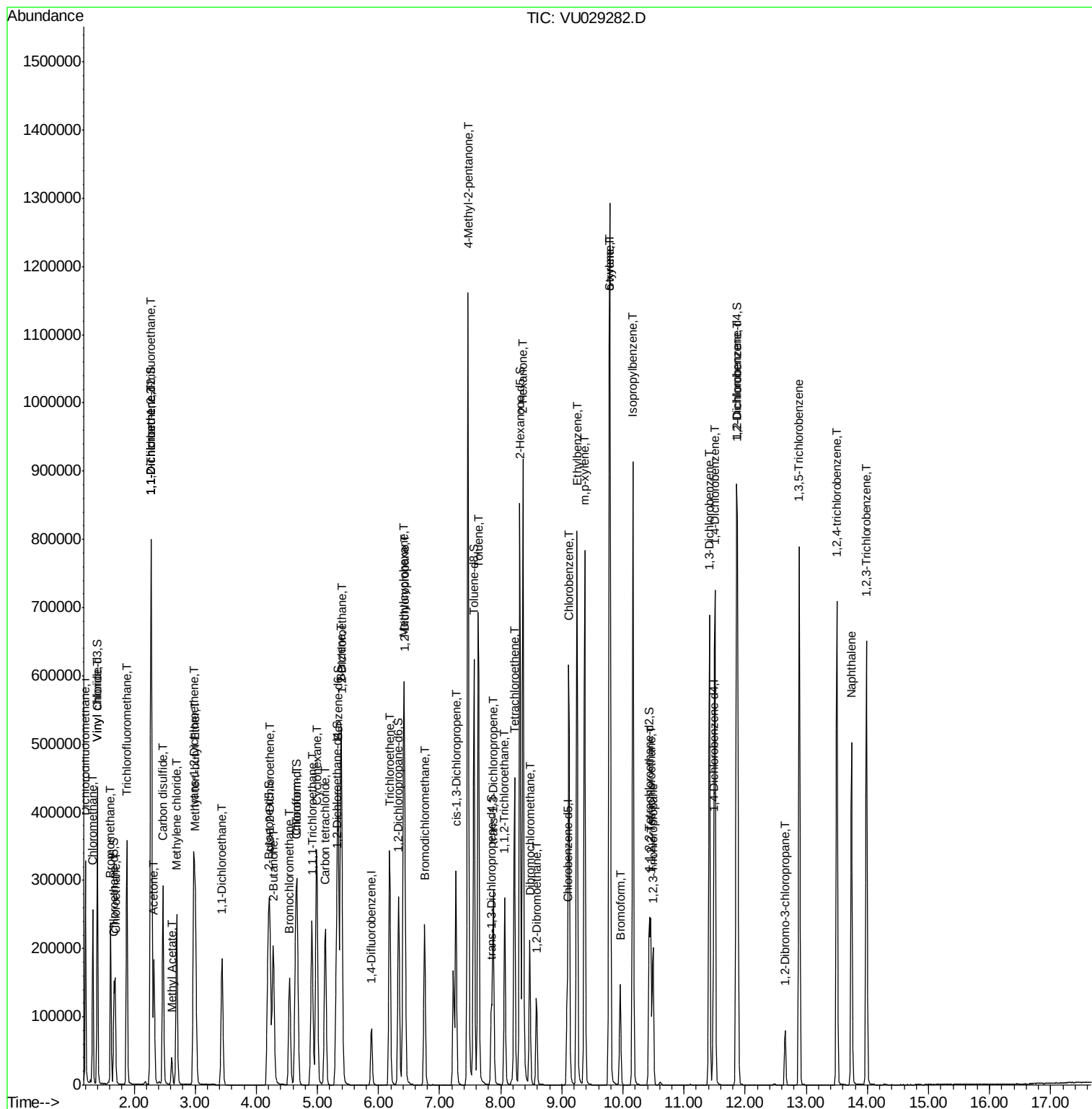
Quant Time: Jan 28 01:34:38 2019

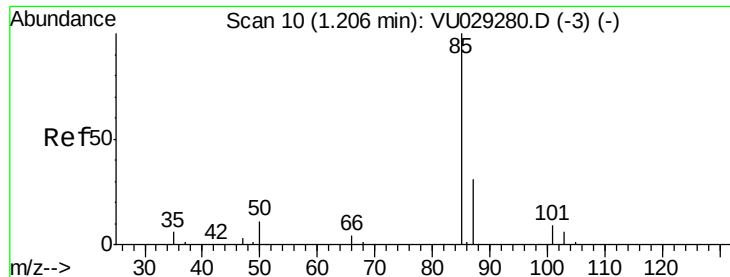
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR012519WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Jan 28 01:29:10 2019

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#2

Dichlorodifluoromethane

Concen: 19.999 ug/L

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

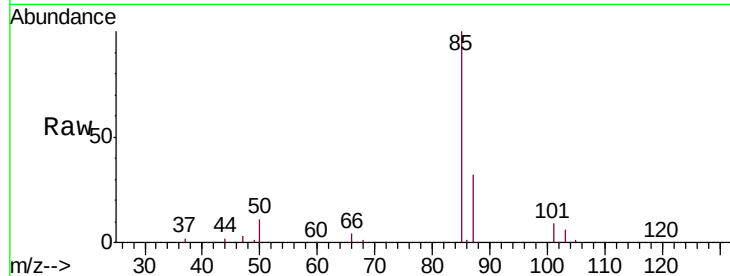
VSTD02046

Tgt Ion: 85 Resp: 187304

Ion Ratio Lower Upper

85 100

87 32.0 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VU029280.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU029280.D (-3) (-)

1.20

200000

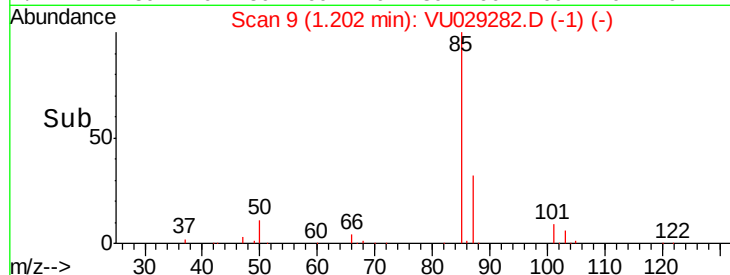
150000

100000

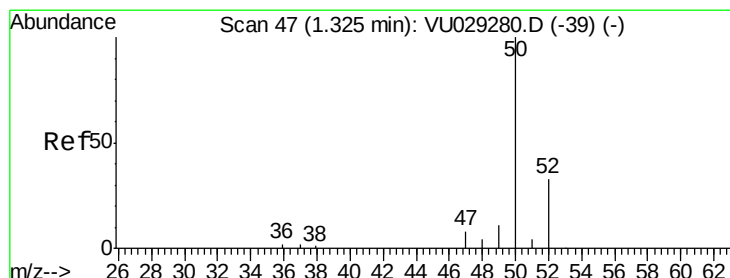
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 19.619 ug/L

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU029282.D

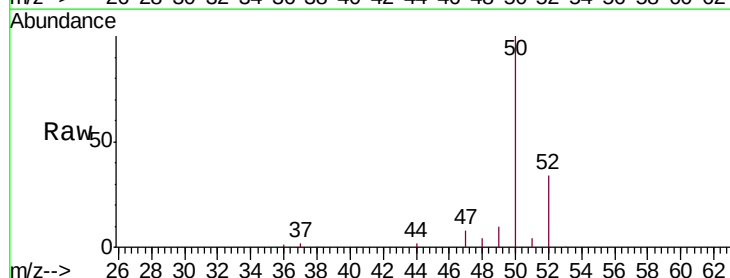
Acq: 25 Jan 2019 11:41

Tgt Ion: 50 Resp: 161142

Ion Ratio Lower Upper

50 100

52 34.0 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU029280.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VU029280.D (-39) (-)

1.32

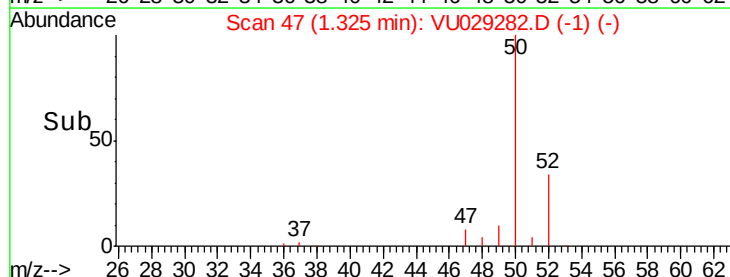
150000

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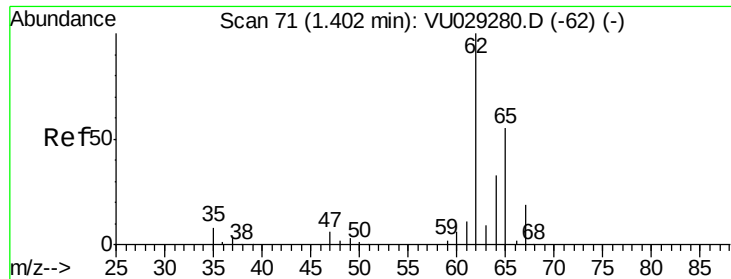
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 19.943 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

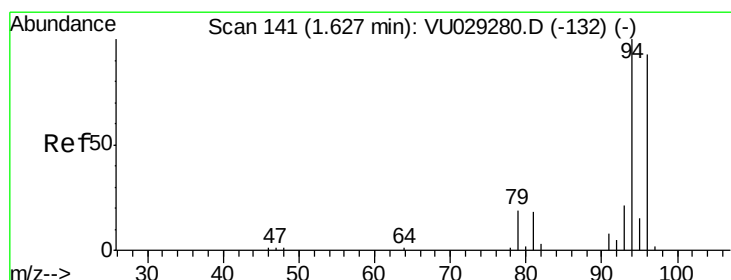
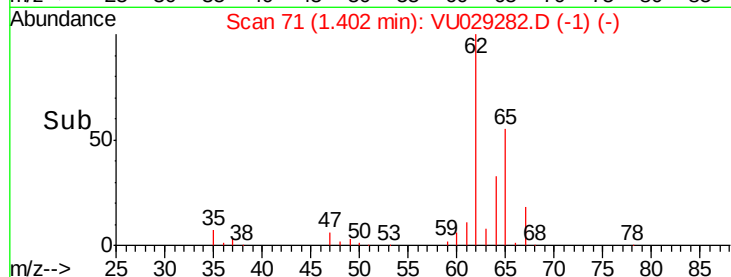
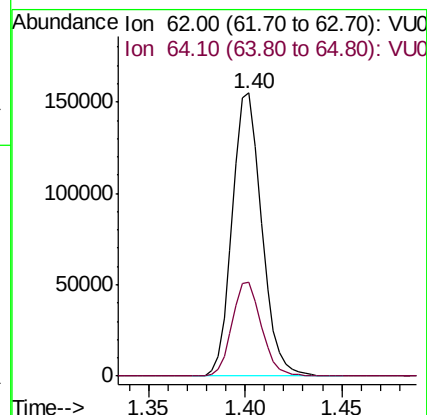
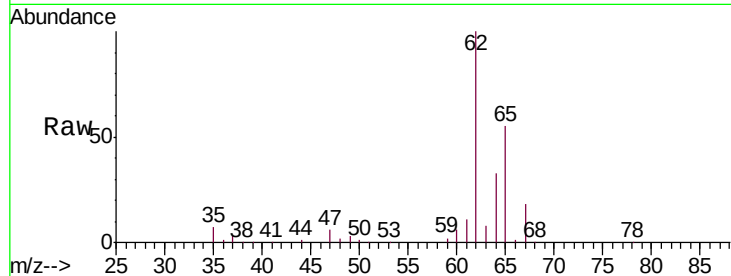
VSTD02046

Tgt Ion: 62 Resp: 163794

Ion Ratio Lower Upper

62 100

64 33.1 23.4 43.6



#6

Bromomethane

Concen: 21.042 ug/L

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU029282.D

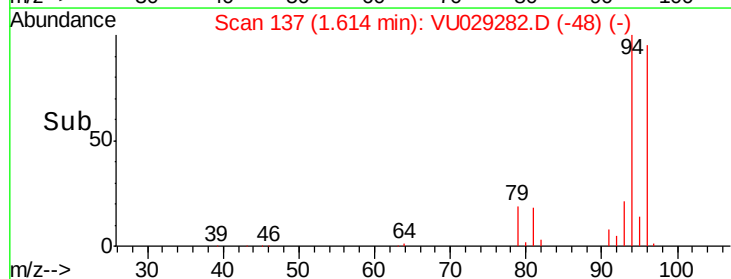
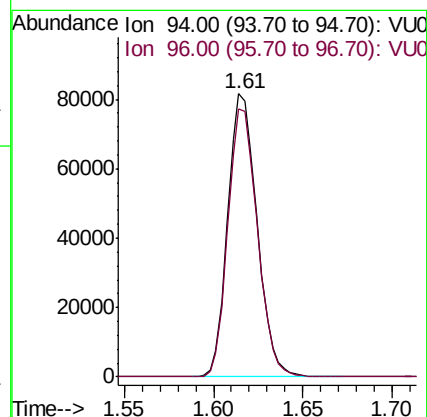
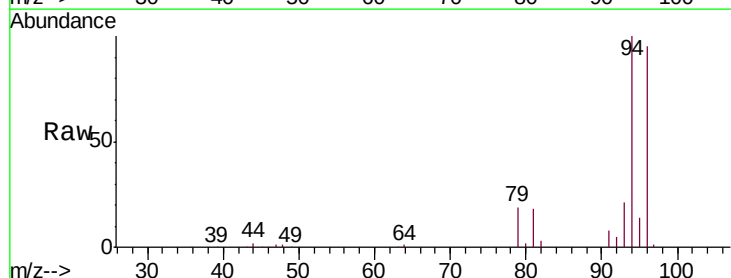
Acq: 25 Jan 2019 11:41

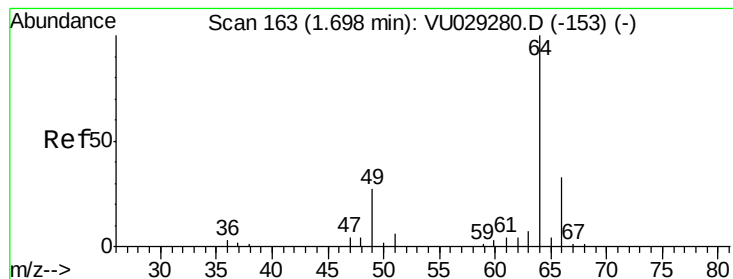
Tgt Ion: 94 Resp: 93059

Ion Ratio Lower Upper

94 100

96 94.9 65.2 121.0





#8

Chloroethane

Concen: 18.794 ug/L

RT: 1.69 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

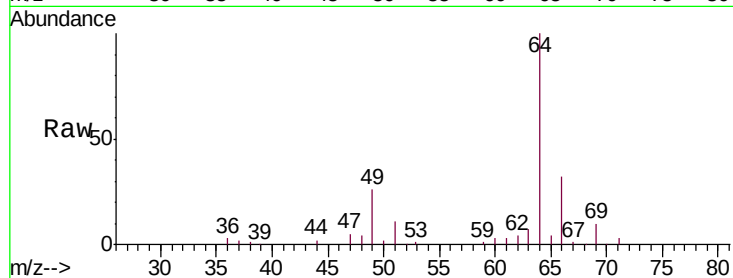
VSTD02046

Tgt Ion: 64 Resp: 86242

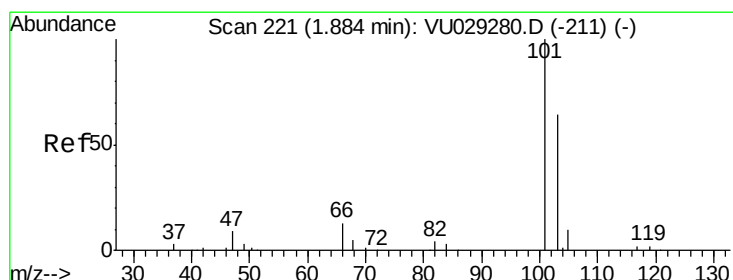
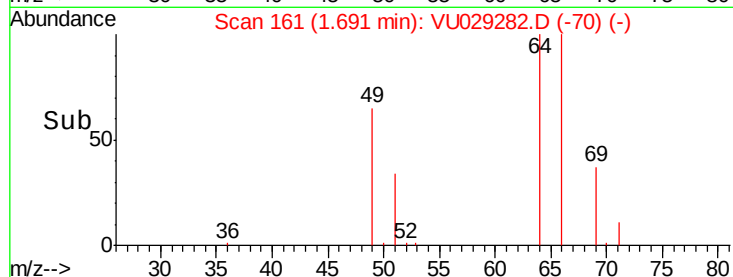
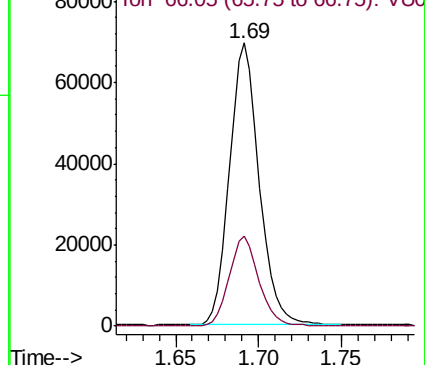
Ion Ratio Lower Upper

64 100

66 31.9 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU029282.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 19.658 ug/L

RT: 1.88 min Scan# 220

Delta R.T. -0.00 min

Lab File: VU029282.D

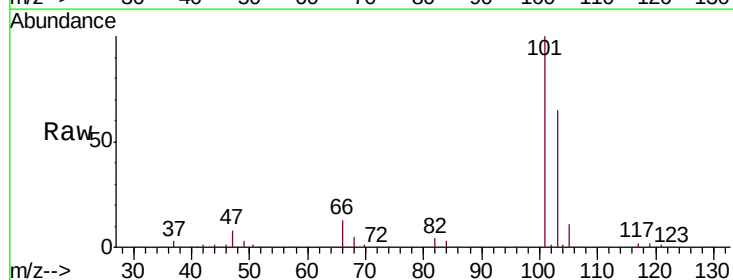
Acq: 25 Jan 2019 11:41

Tgt Ion: 101 Resp: 214700

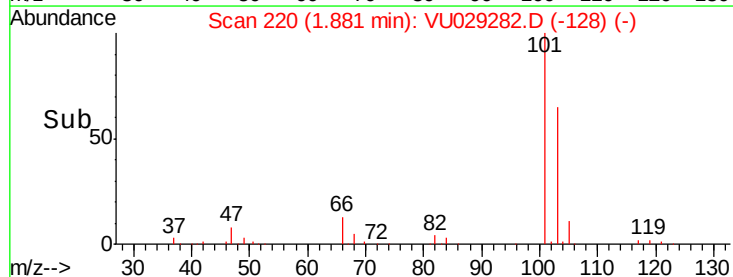
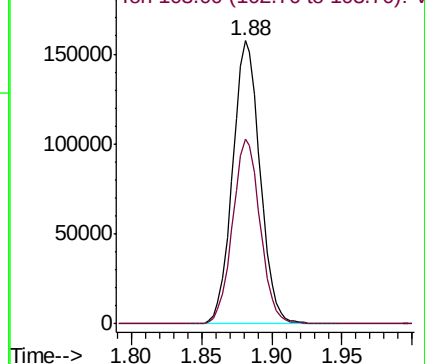
Ion Ratio Lower Upper

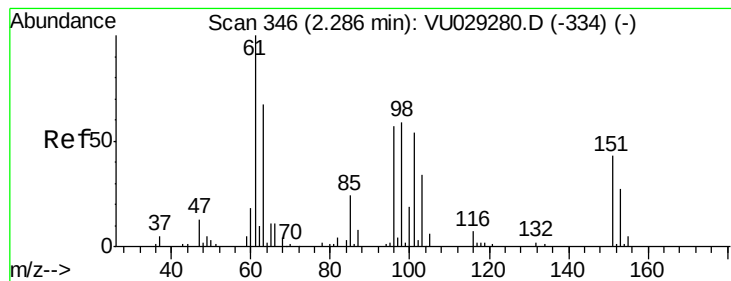
101 100

103 65.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU029282.D (-211) (-)





#10

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

Concen: 20.107 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

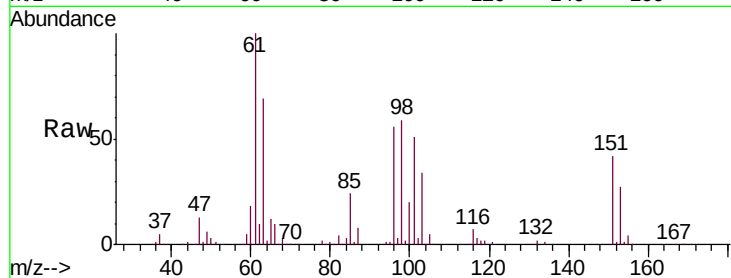
Tgt Ion: 101 Resp: 111670

Ion Ratio Lower Upper

101 100

85 45.7 36.2 54.2

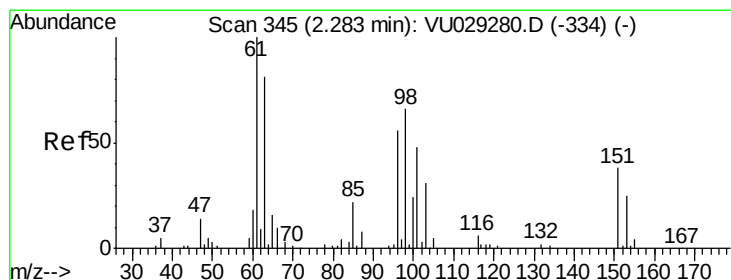
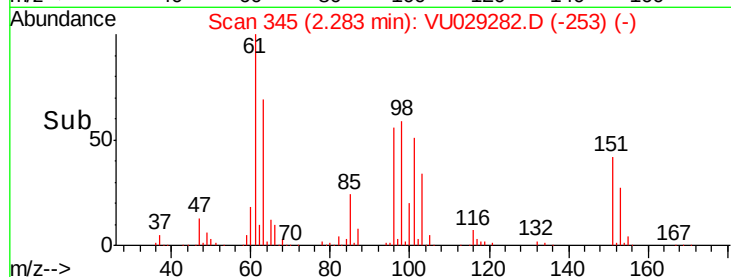
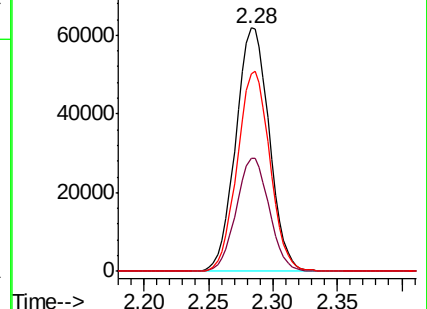
151 80.3 64.5 96.7



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: 20.162 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

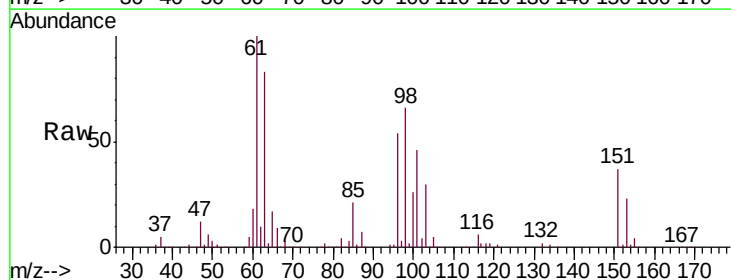
Tgt Ion: 96 Resp: 103212

Ion Ratio Lower Upper

96 100

61 183.9 125.4 233.0

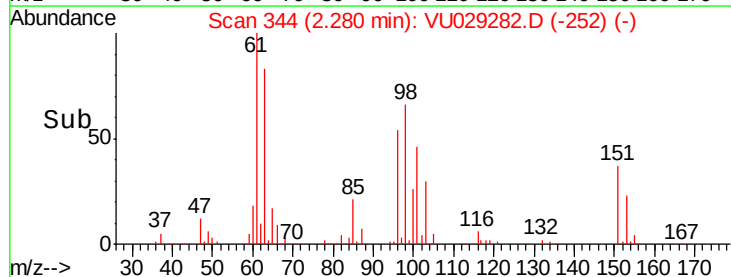
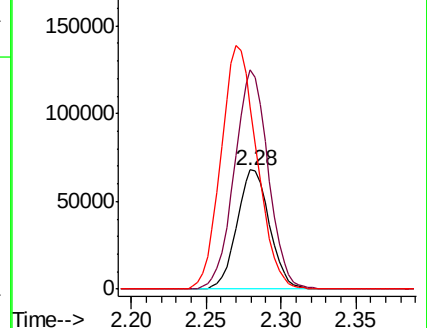
63 152.8 105.8 196.4

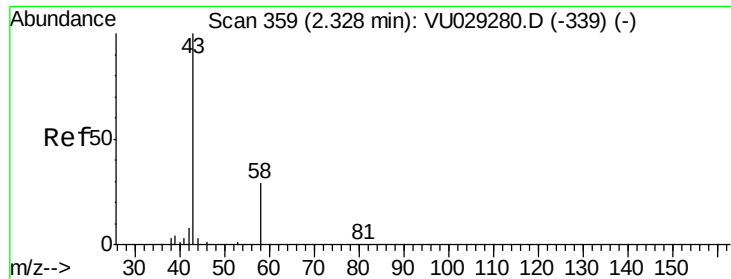


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 188.219 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

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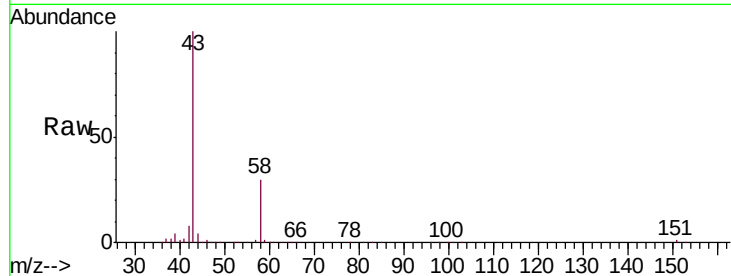
VSTD02046

Tgt Ion: 43 Resp: 186235

Ion Ratio Lower Upper

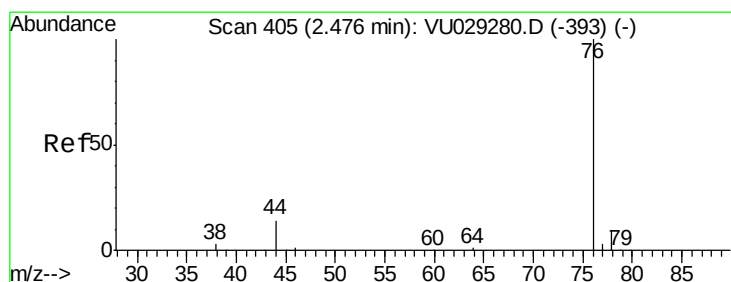
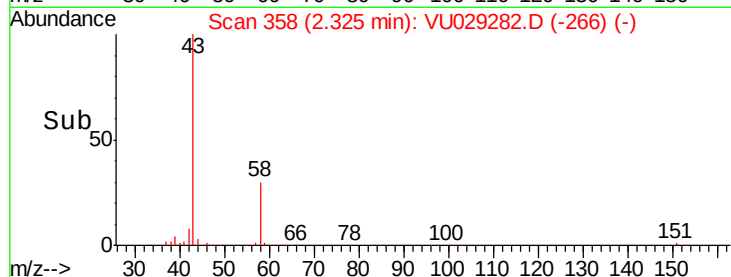
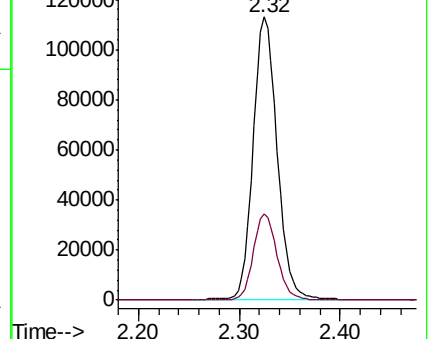
43 100

58 29.7 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 19.631 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU029282.D

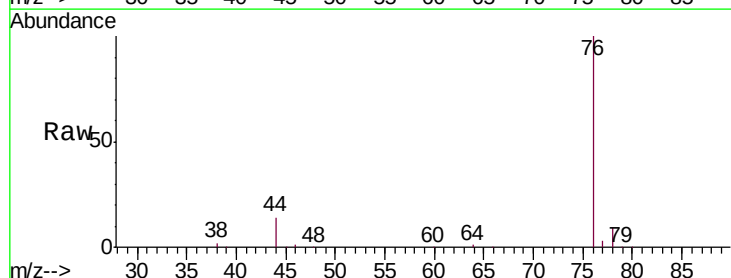
Acq: 25 Jan 2019 11:41

Tgt Ion: 76 Resp: 348029

Ion Ratio Lower Upper

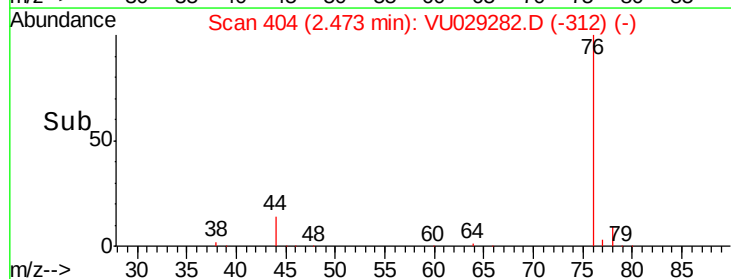
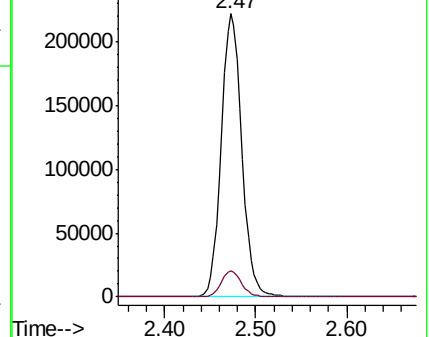
76 100

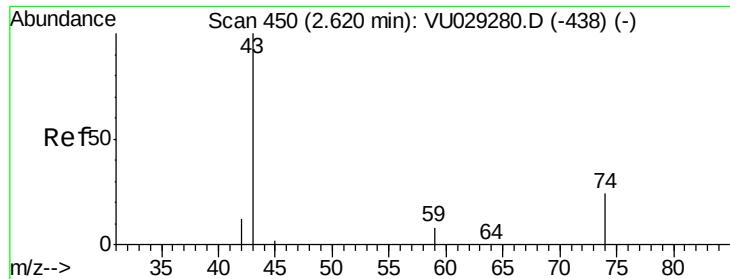
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

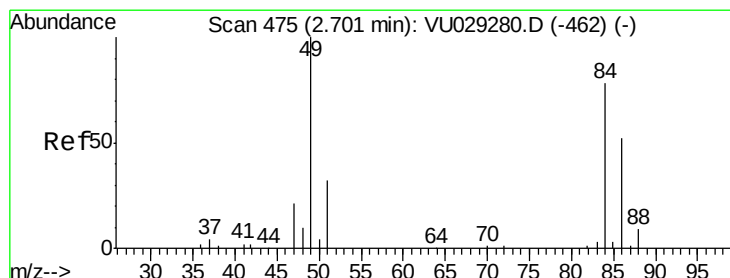
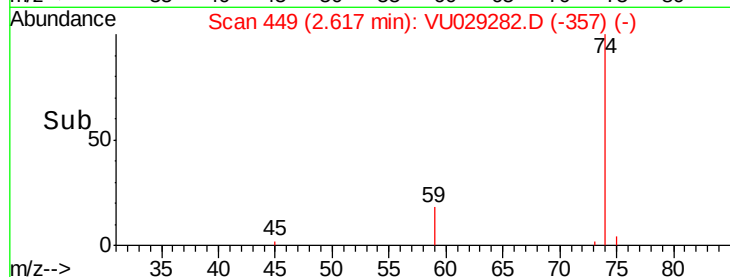
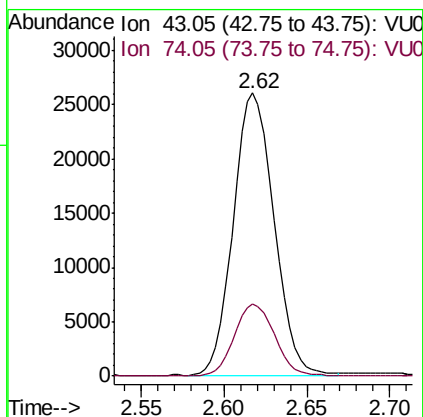
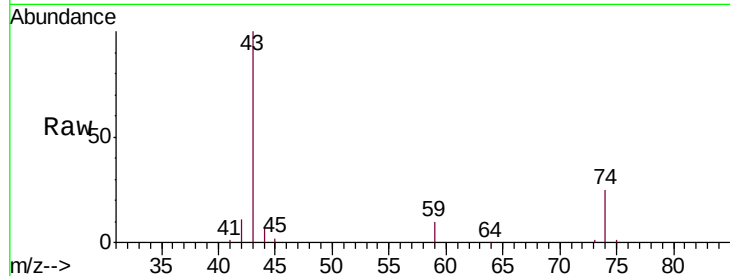




#15
Methyl Acetate
Concen: 18.907 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

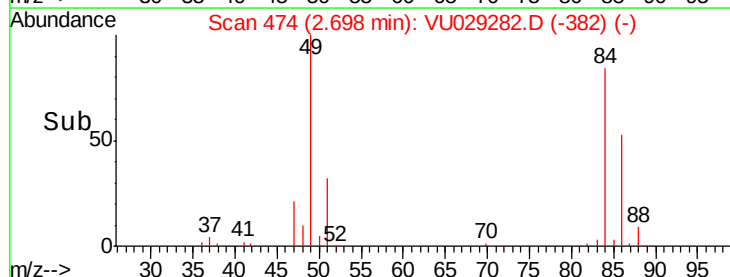
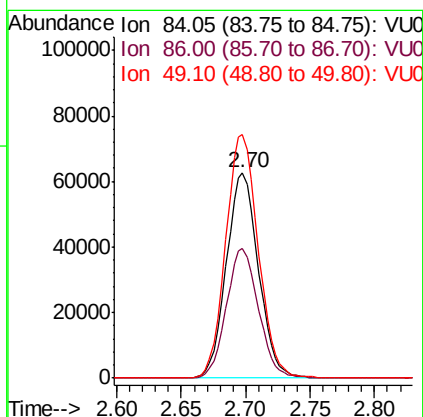
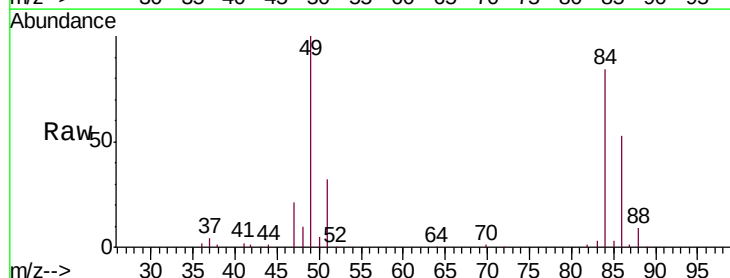
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

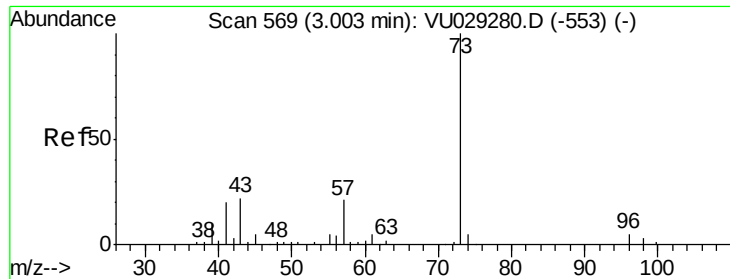
Tgt Ion: 43 Resp: 44839
Ion Ratio Lower Upper
43 100
74 25.2 19.5 29.3



#16
Methylene chloride
Concen: 17.980 ug/L
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

Tgt Ion: 84 Resp: 108017
Ion Ratio Lower Upper
84 100
86 63.0 46.1 85.7
49 118.5 89.3 165.9

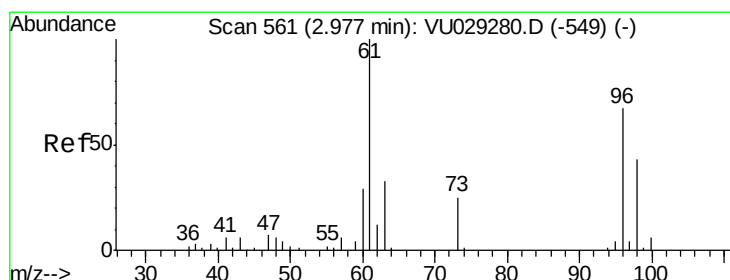
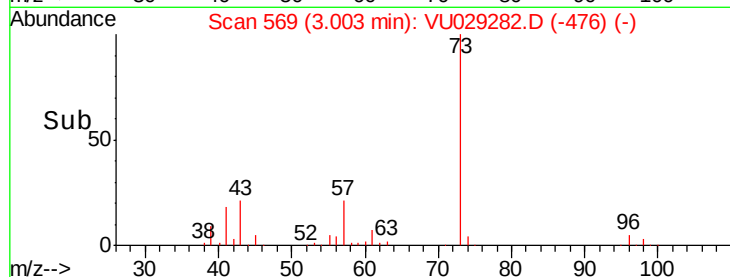
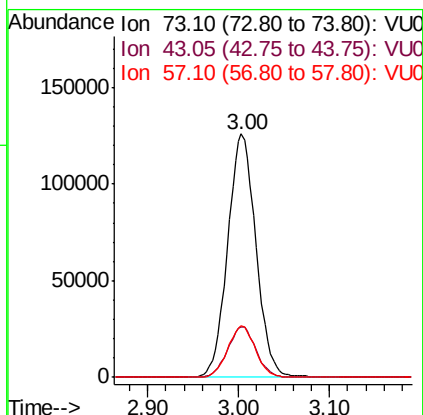
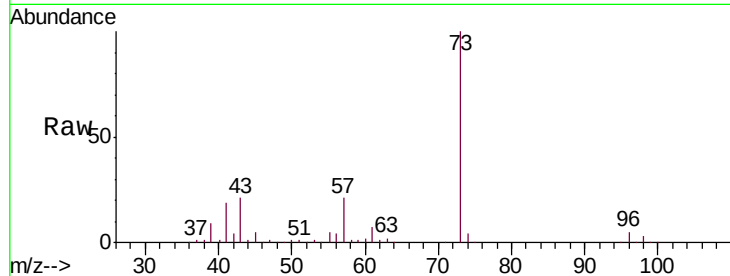




#17
Methyl tert-butyl Ether
Concen: 20.446 ug/L
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

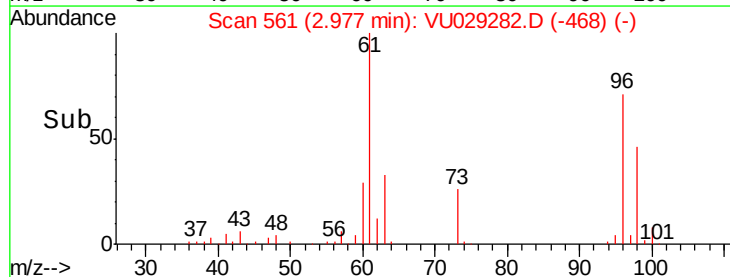
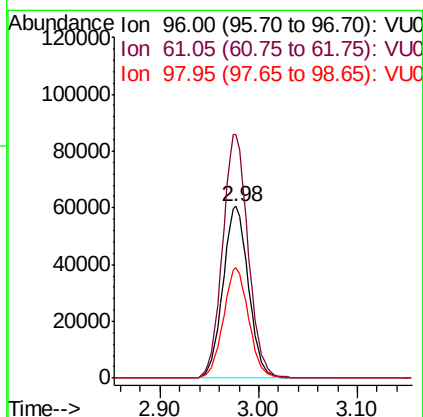
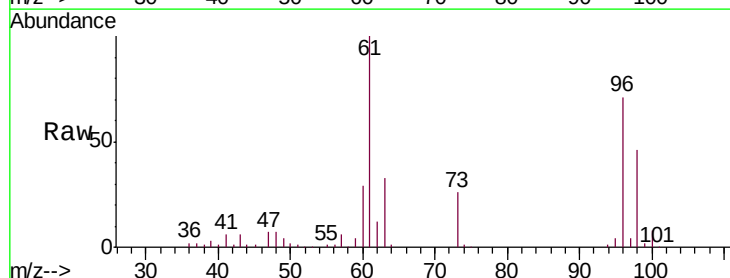
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

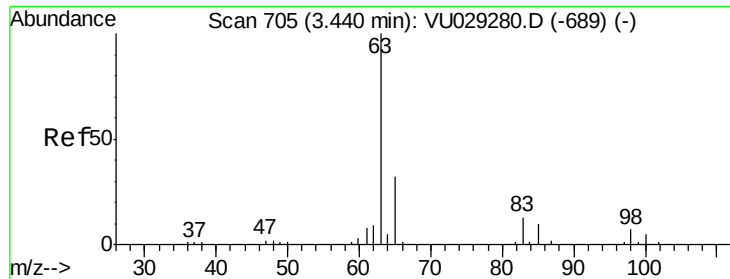
Tgt Ion: 73 Resp: 271691
Ion Ratio Lower Upper
73 100
43 20.9 17.4 26.2
57 20.7 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 19.808 ug/L
RT: 2.98 min Scan# 561
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

Tgt Ion: 96 Resp: 110024
Ion Ratio Lower Upper
96 100
61 141.6 104.4 194.0
98 64.5 45.4 84.2

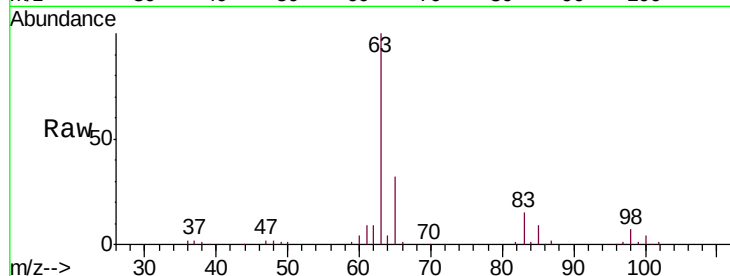




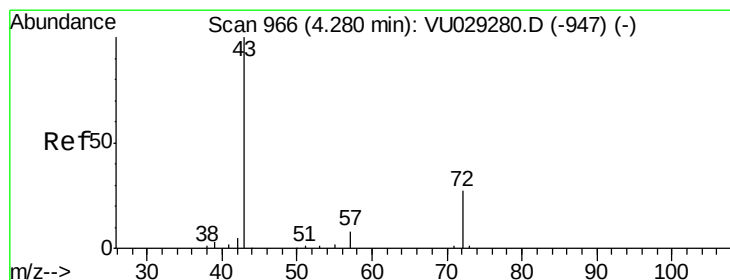
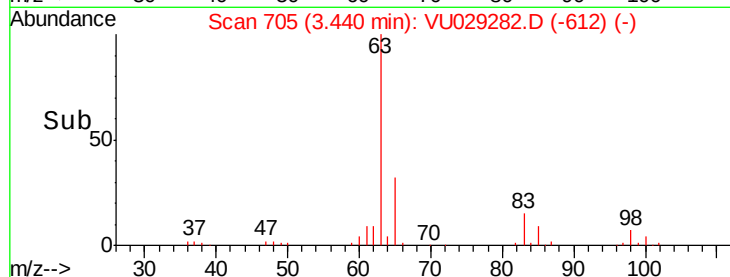
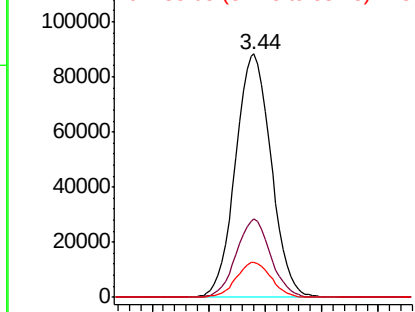
#19
 1,1-Dichloroethane
 Concen: 19.563 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion: 63 Resp: 193883
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.7 42.1
 83 14.5 9.4 17.6

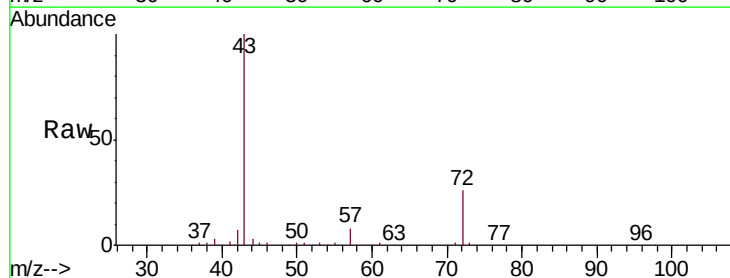


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

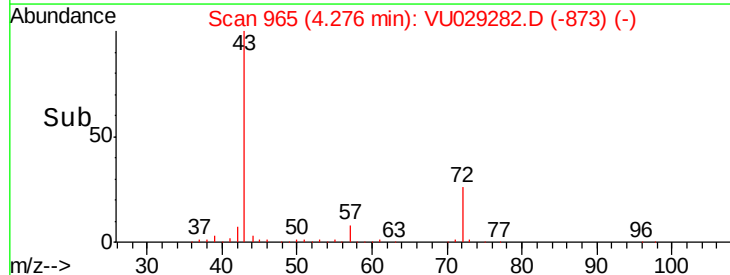
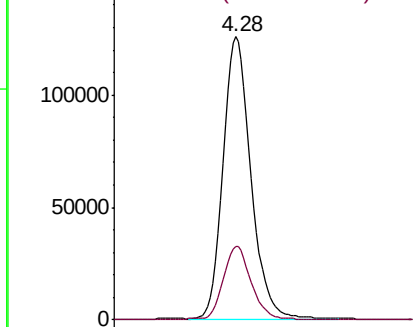


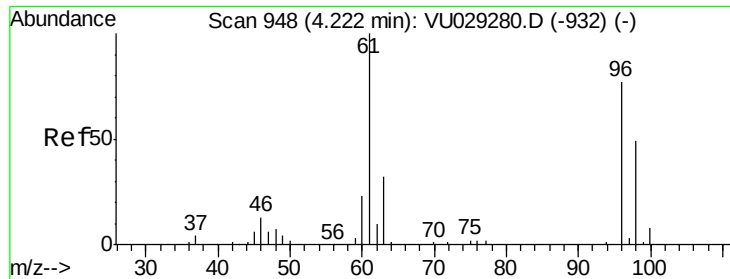
#21
 2-Butanone
 Concen: 210.531 ug/L
 RT: 4.28 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion: 43 Resp: 301517
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



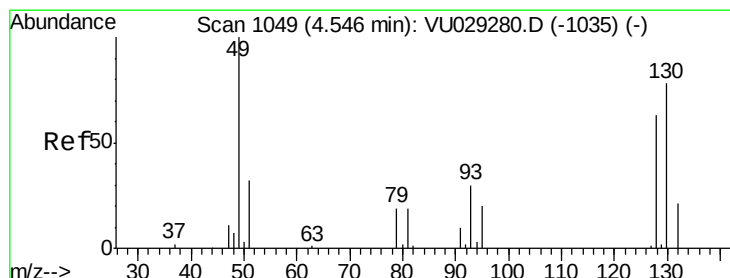
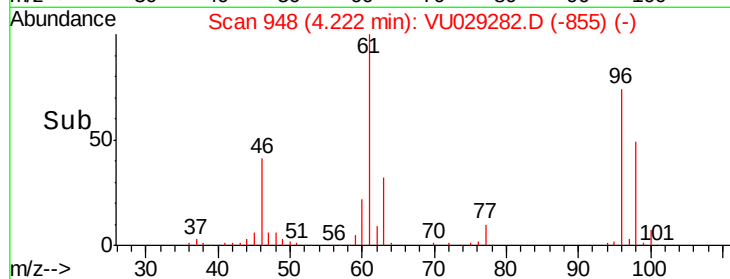
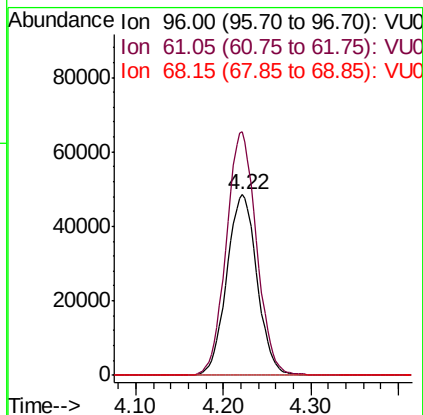
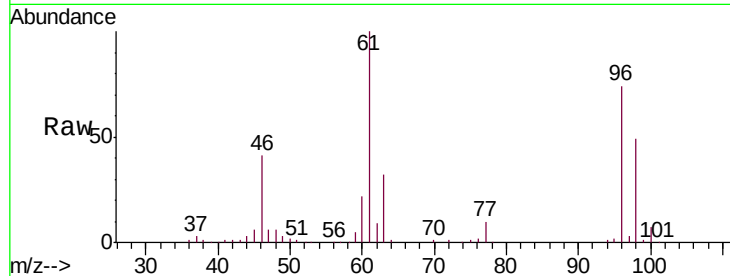


#22

cis-1,2-Dichloroethene
 Concen: 20.903 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

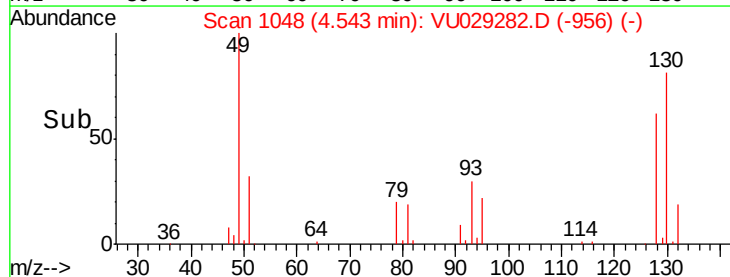
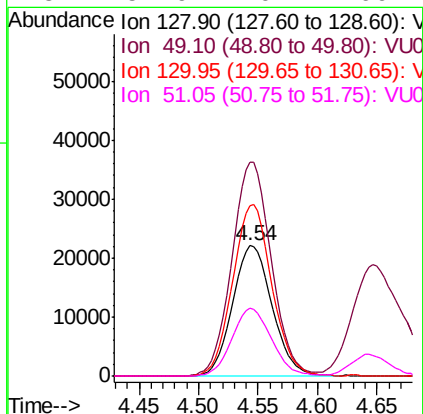
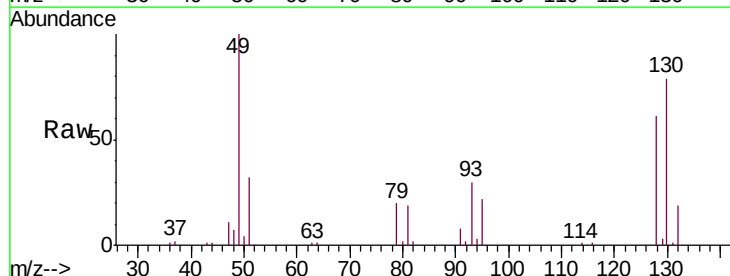
Tgt Ion: 96 Resp: 116734
 Ion Ratio Lower Upper
 96 100
 61 134.7 90.7 168.5
 68 0.0 0.0 0.0

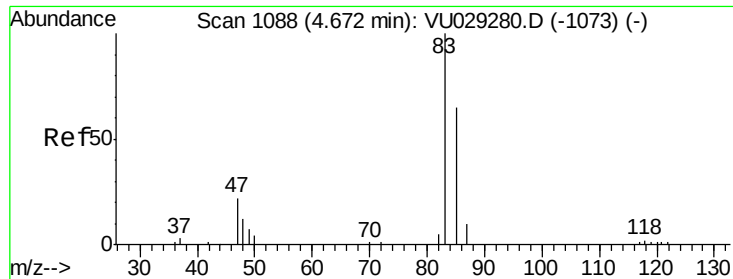


#23

Bromochloromethane
 Concen: 20.102 ug/L
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion: 128 Resp: 50999
 Ion Ratio Lower Upper
 128 100
 49 163.9 111.4 206.8
 130 130.2 87.1 161.7
 51 51.9 40.2 60.2

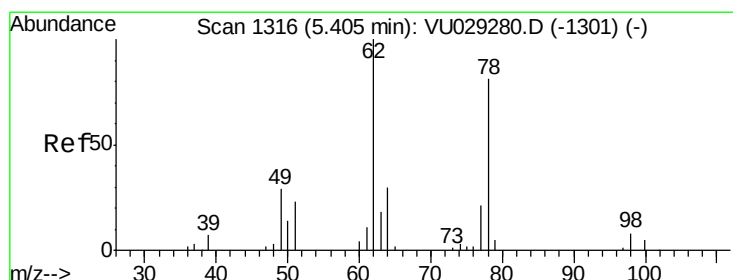
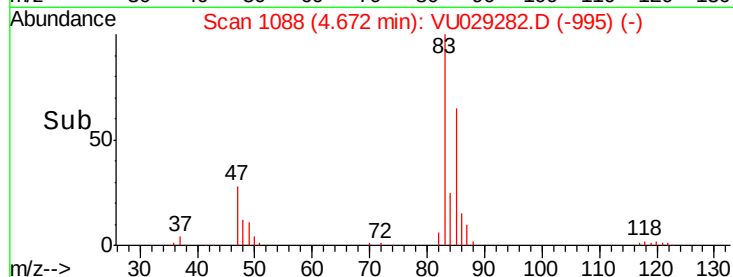
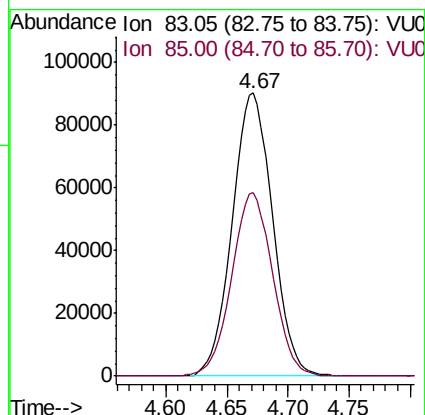
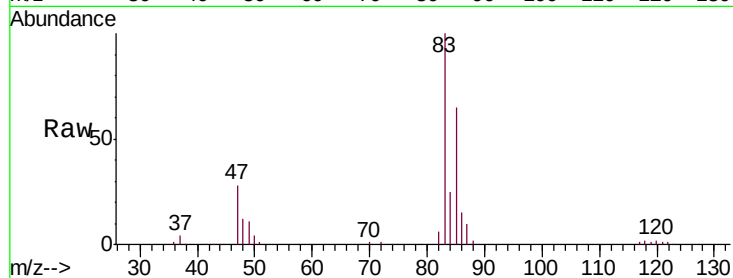




#25
Chloroform
Concen: 19.990 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

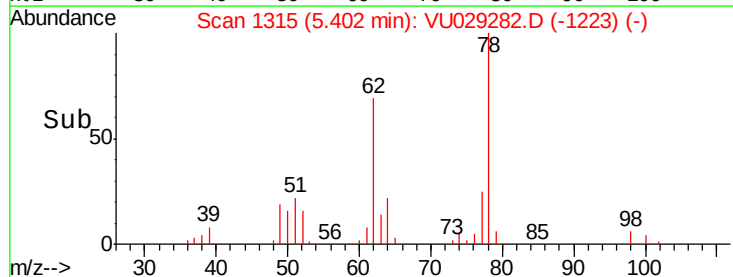
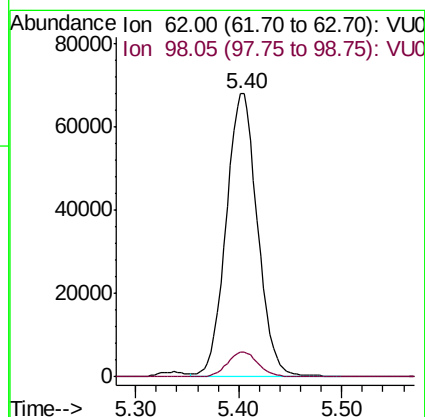
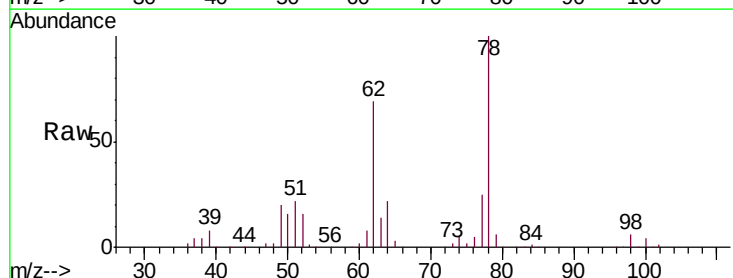
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

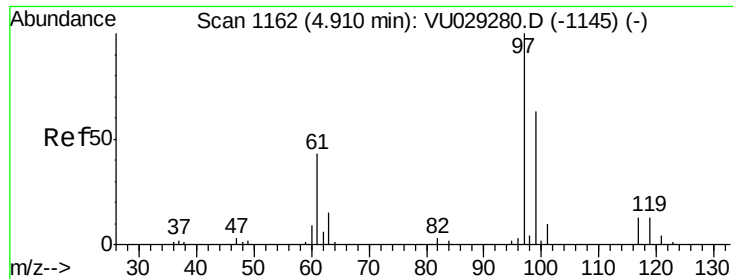
Tgt Ion: 83 Resp: 207469
Ion Ratio Lower Upper
83 100
85 64.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 20.179 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

Tgt Ion: 62 Resp: 143426
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0

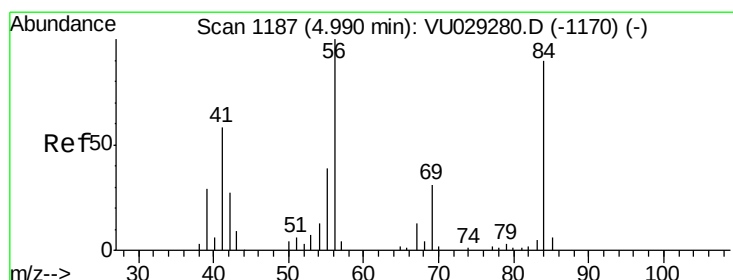
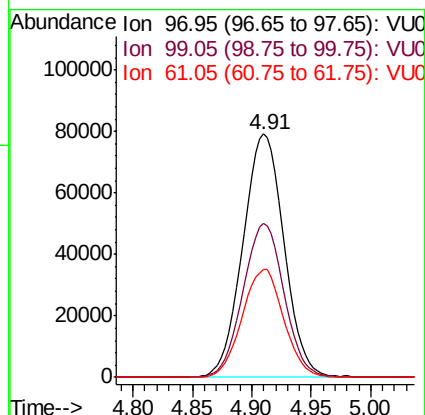
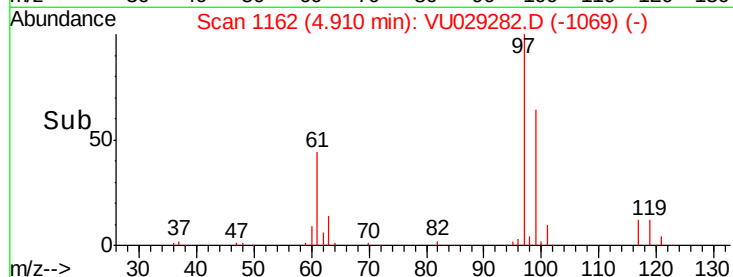
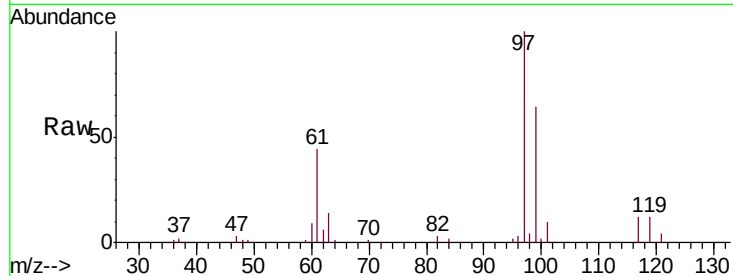




#29
 1,1,1-Trichloroethane
 Concen: 19.493 ug/L
 RT: 4.91 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

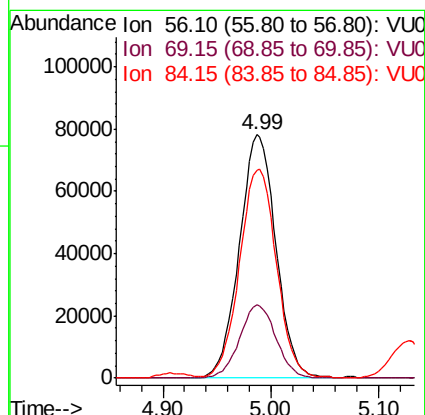
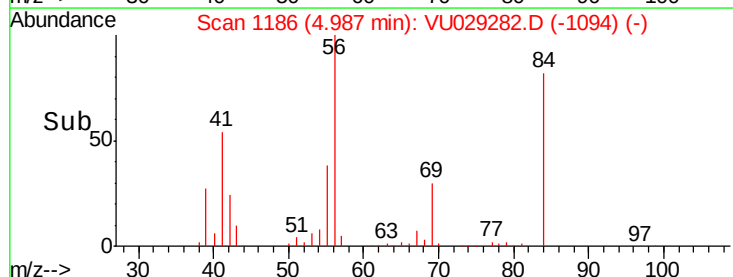
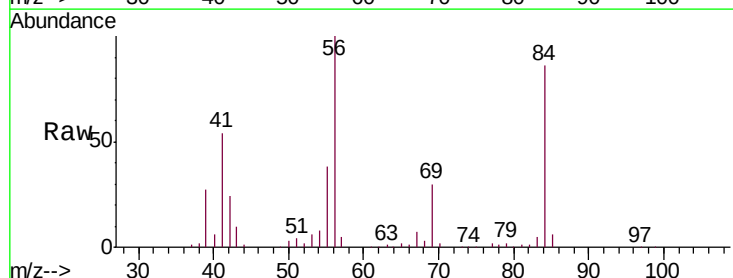
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

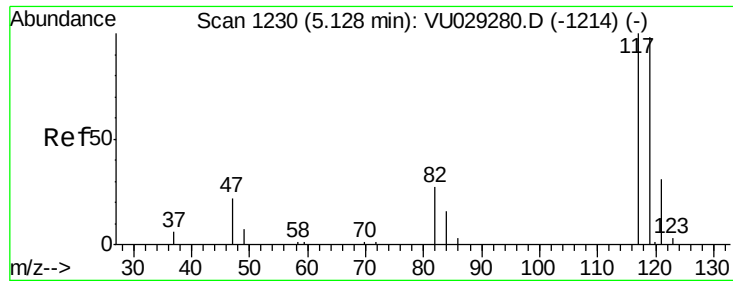
Tgt Ion: 97 Resp: 189661
 Ion Ratio Lower Upper
 97 100
 99 63.5 49.8 74.8
 61 44.8 35.0 52.6



#30
 Cyclohexane
 Concen: 21.058 ug/L
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion: 56 Resp: 184219
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.2 36.2
 84 86.5 72.3 108.5

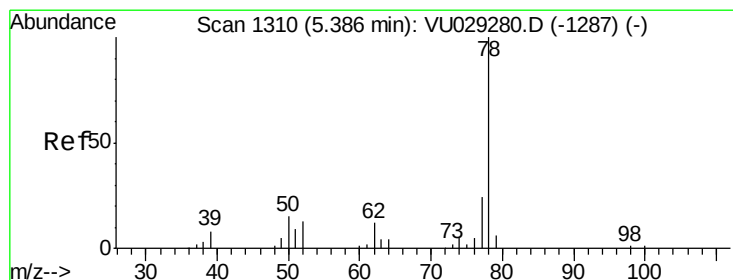
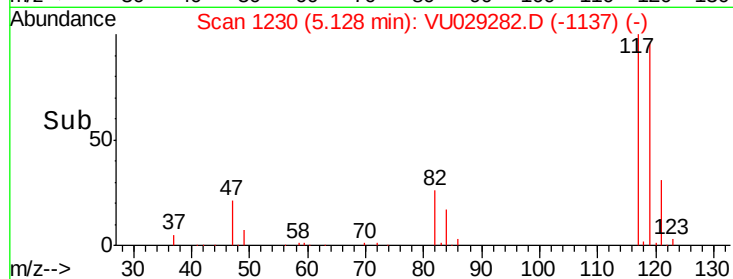
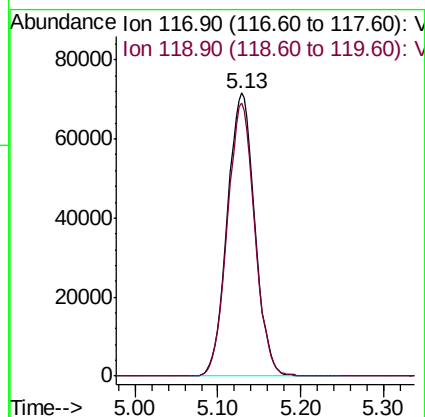
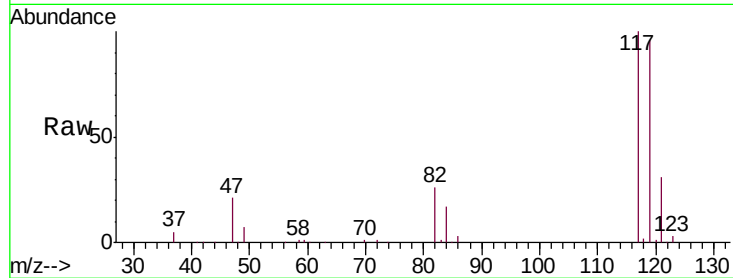




#31
Carbon tetrachloride
Concen: 19.892 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

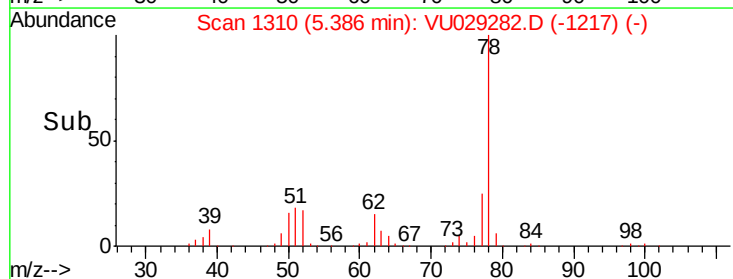
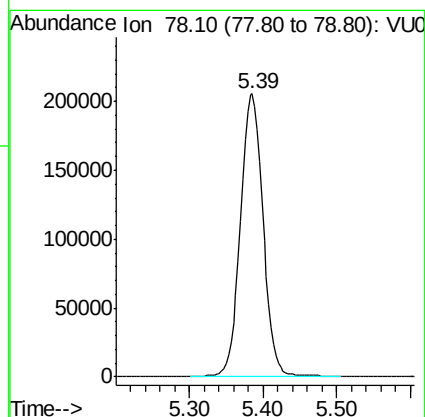
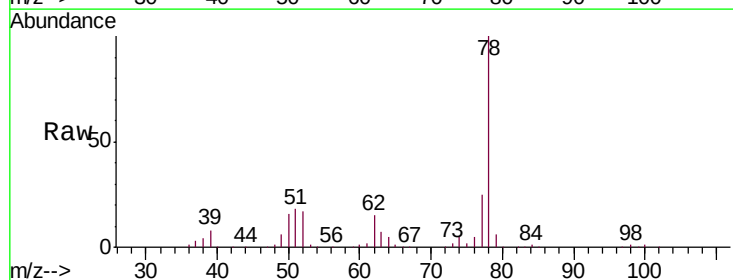
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

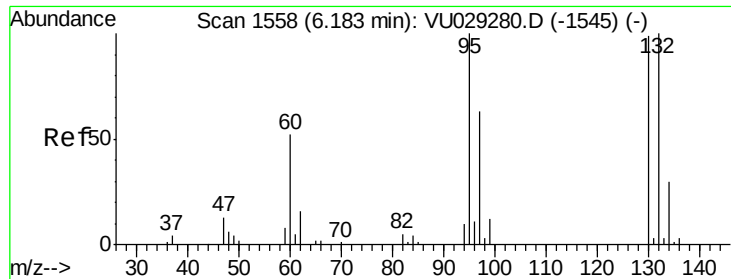
Tgt Ion:117 Resp: 165094
Ion Ratio Lower Upper
117 100
119 95.7 76.1 114.1



#33
Benzene
Concen: 19.780 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

Tgt Ion: 78 Resp: 442775





#34

Trichloroethene

Concen: 19.858 ug/L

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

Tgt Ion: 95 Resp: 117689

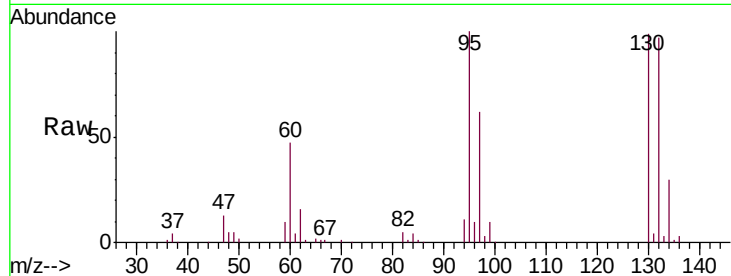
Ion Ratio Lower Upper

95 100

97 62.0 44.3 82.3

132 97.1 69.9 129.9

130 98.9 69.2 128.4

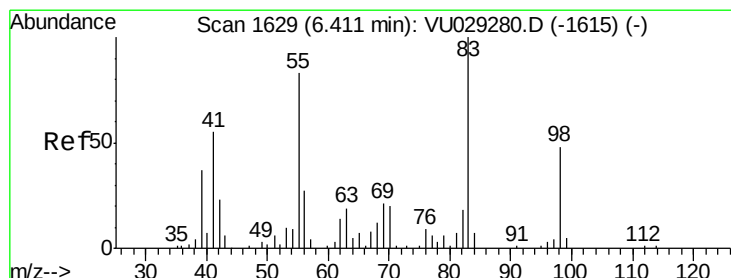
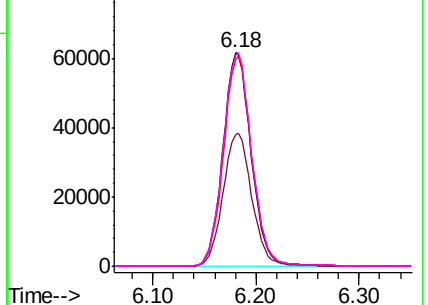
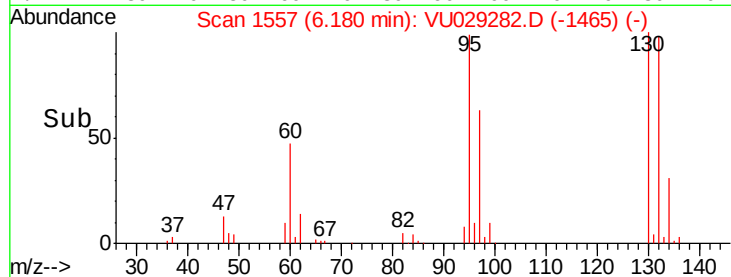


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 20.603 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

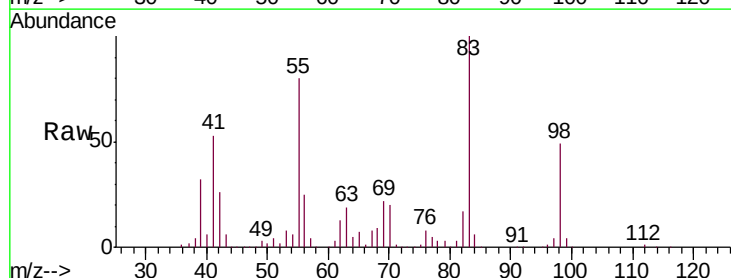
Tgt Ion: 83 Resp: 195256

Ion Ratio Lower Upper

83 100

55 82.1 66.3 99.5

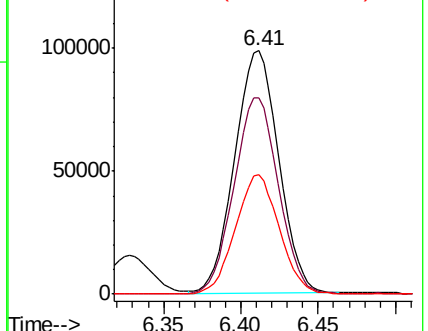
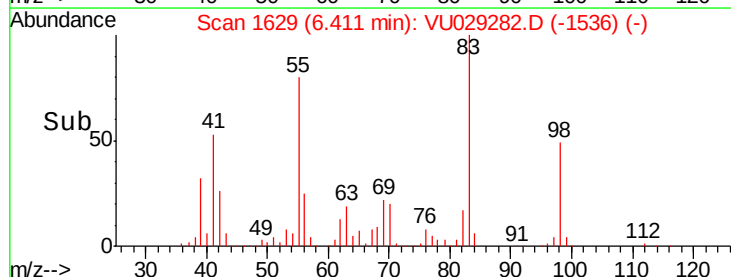
98 49.2 37.9 56.9

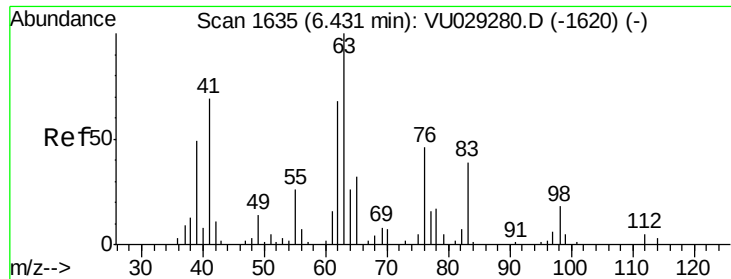


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

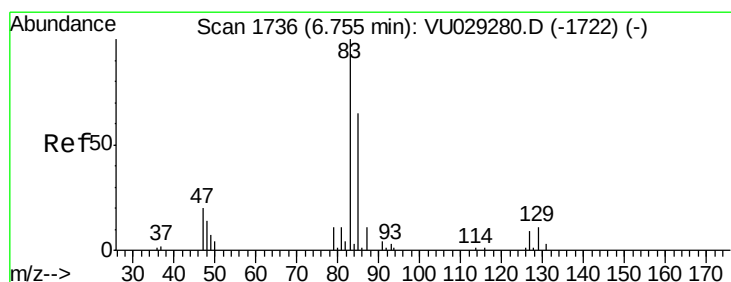
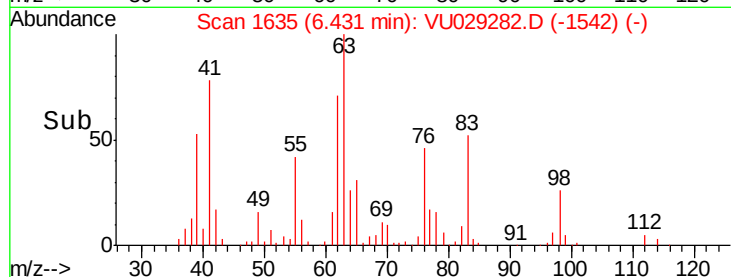
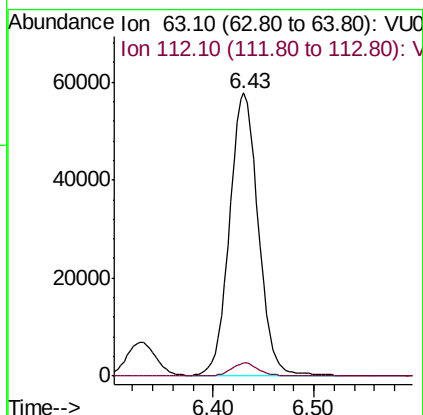
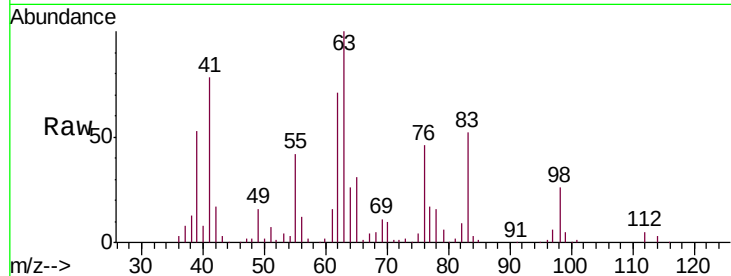




#37
 1,2-Dichloropropane
 Concen: 19.340 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

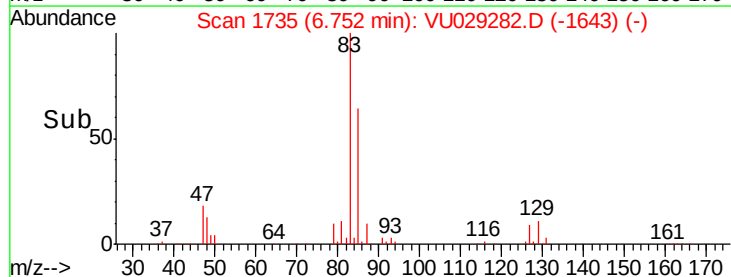
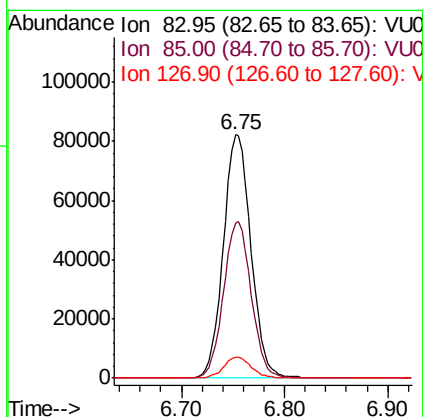
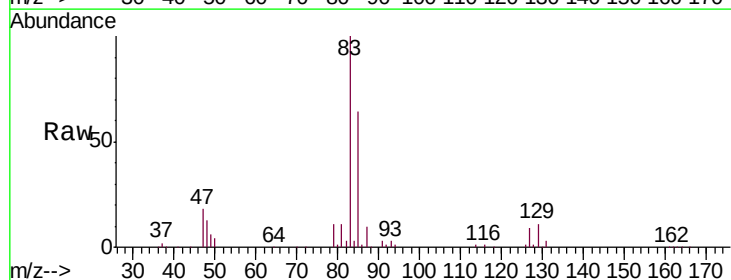
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

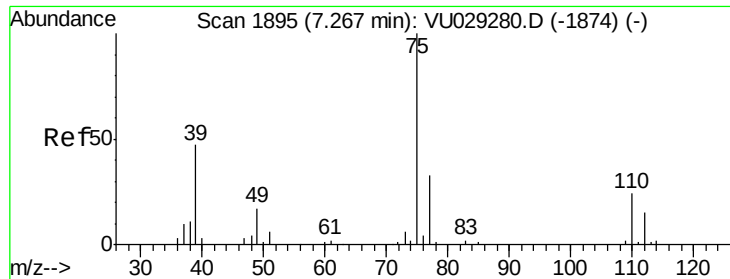
Tgt Ion: 63 Resp: 114255
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.9 5.9



#38
 Bromodichloromethane
 Concen: 19.645 ug/L
 RT: 6.75 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion: 83 Resp: 153371
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.3 84.1
 127 8.8 7.1 10.7

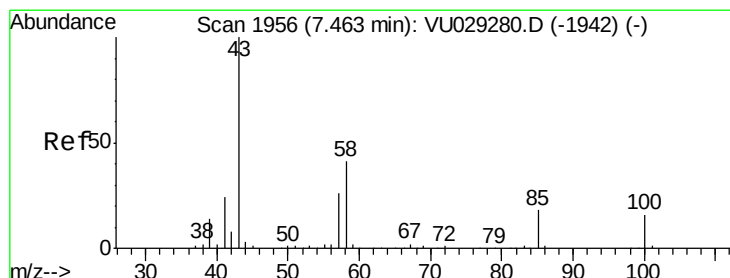
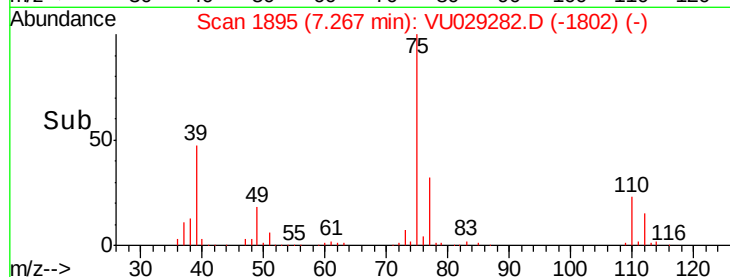
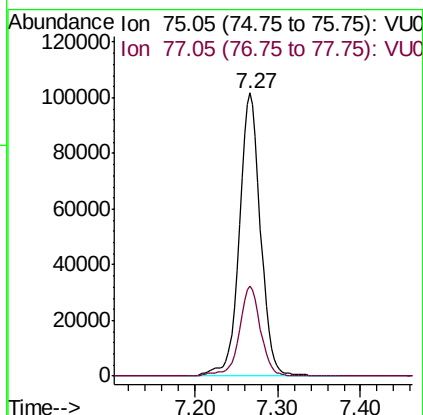
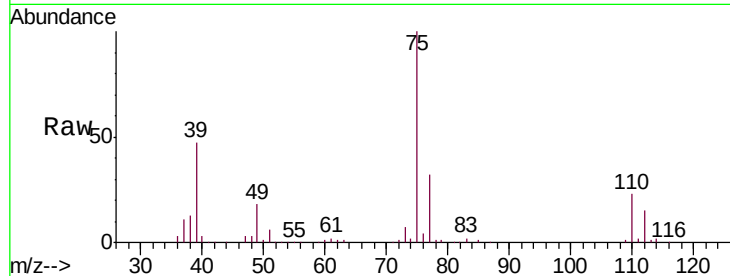




#39
 cis-1,3-Dichloropropene
 Concen: 21.446 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

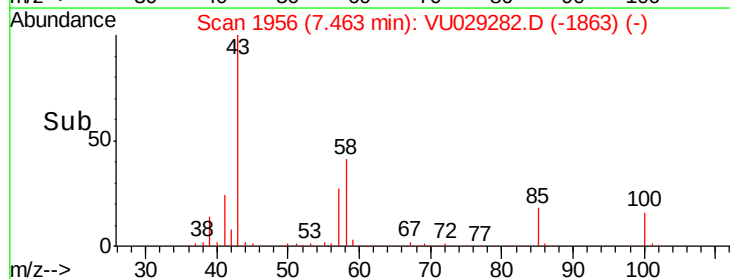
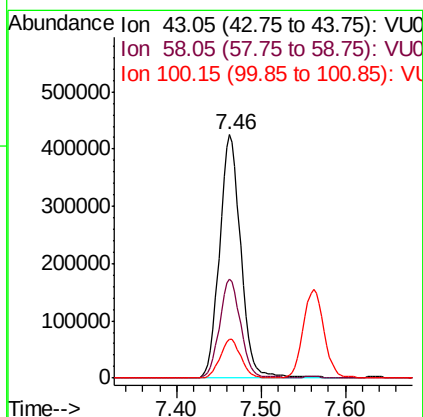
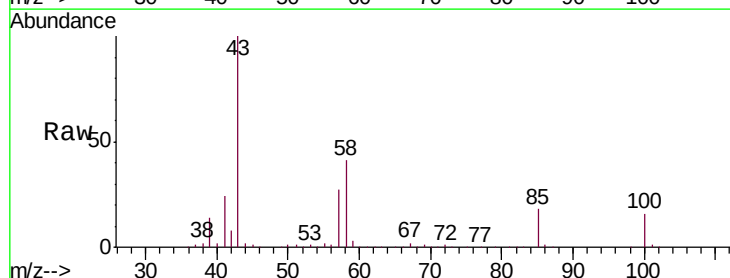
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

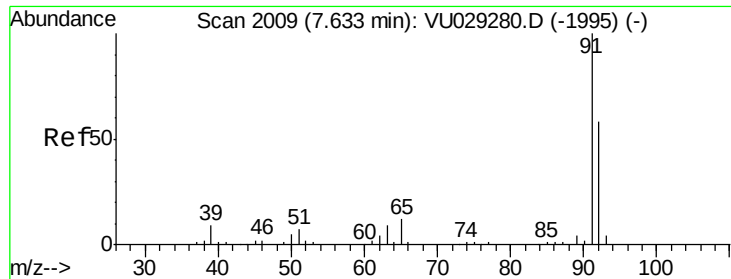
Tgt Ion: 75 Resp: 182116
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 208.648 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion: 43 Resp: 743777
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.8 47.6
 100 15.9 12.4 18.6





#42

Toluene

Concen: 20.427 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

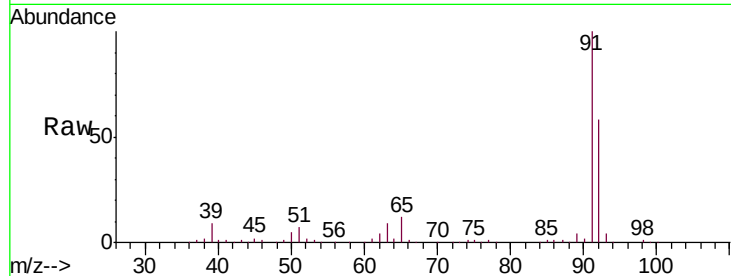
VSTD02046

Tgt Ion: 91 Resp: 493375

Ion Ratio Lower Upper

91 100

92 58.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.63

300000

200000

100000

0

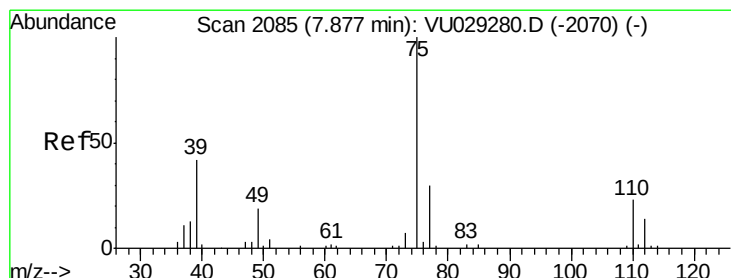
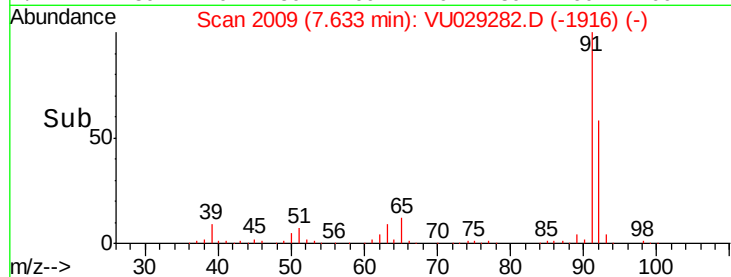
Time-->

7.50

7.60

7.70

7.80



#44

trans-1,3-Dichloropropene

Concen: 21.548 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029282.D

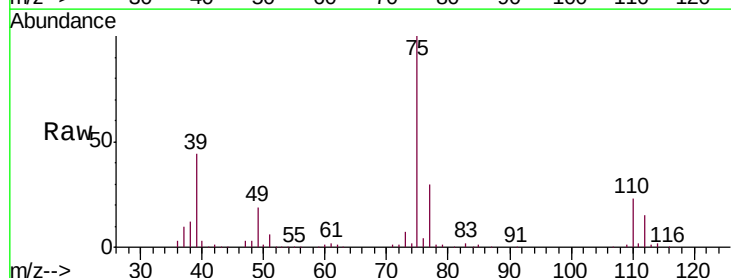
Acq: 25 Jan 2019 11:41

Tgt Ion: 75 Resp: 159100

Ion Ratio Lower Upper

75 100

77 30.2 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

100000

80000

60000

40000

20000

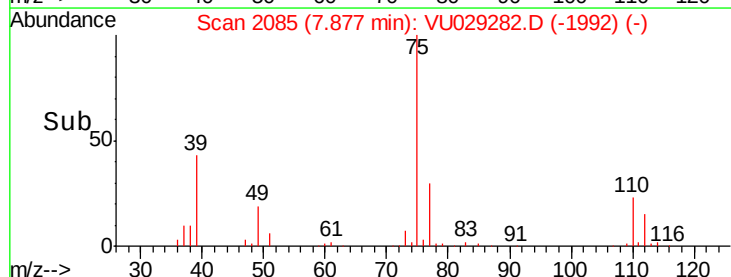
0

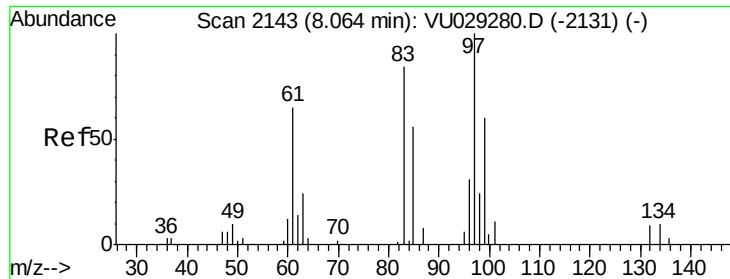
Time-->

7.80

7.90

8.00

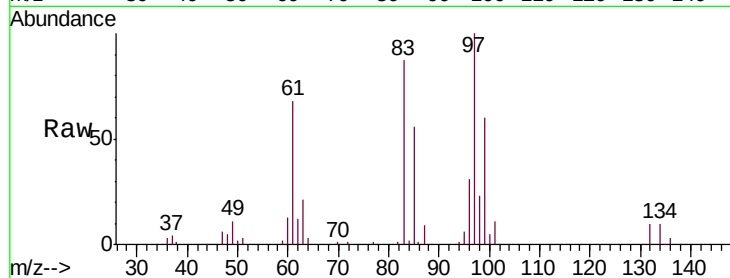




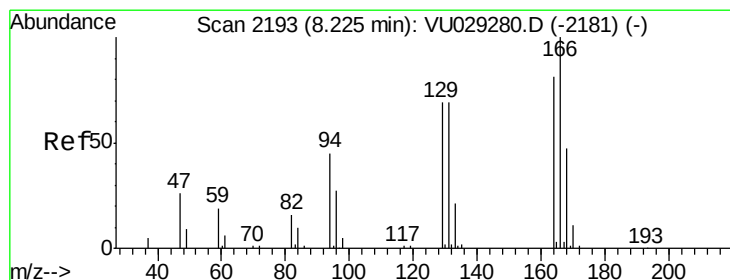
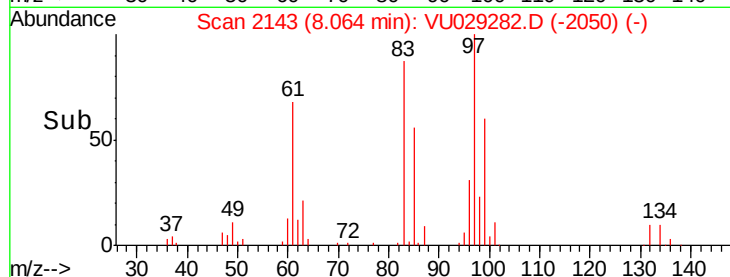
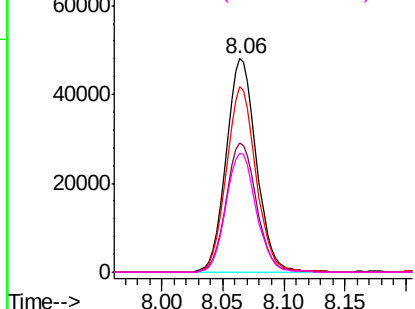
#45
 1,1,2-Trichloroethane
 Concen: 19.580 ug/L
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion:	97	Resp:	83142
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.1	78.3
83	86.7	58.7	108.9
85	55.7	39.4	73.2

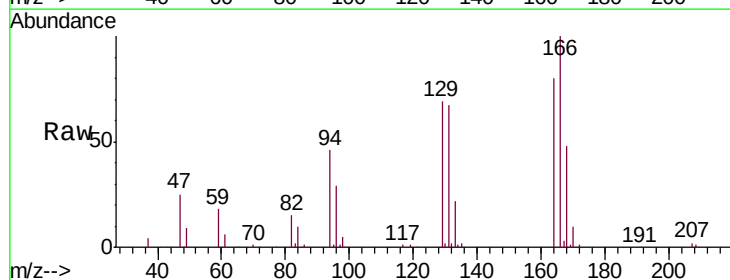


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

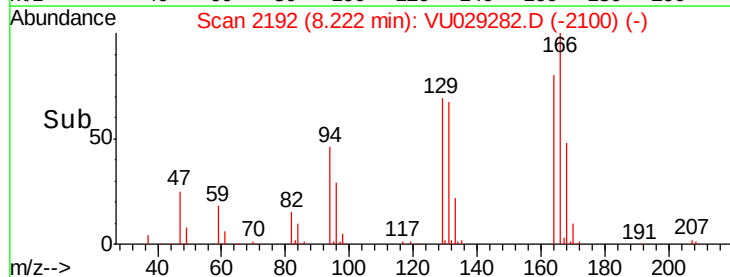
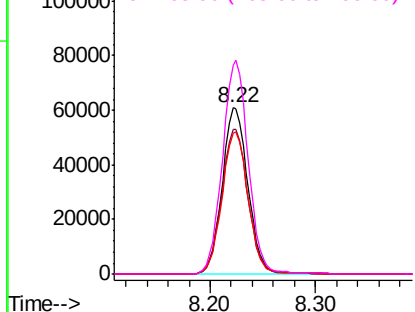


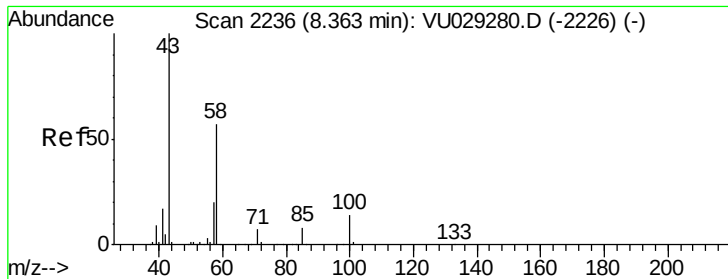
#47
 Tetrachloroethene
 Concen: 19.794 ug/L
 RT: 8.22 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion:	164	Resp:	102969
Ion	Ratio	Lower	Upper
164	100		
129	86.9	60.1	111.7
131	84.5	59.9	111.3
166	125.8	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

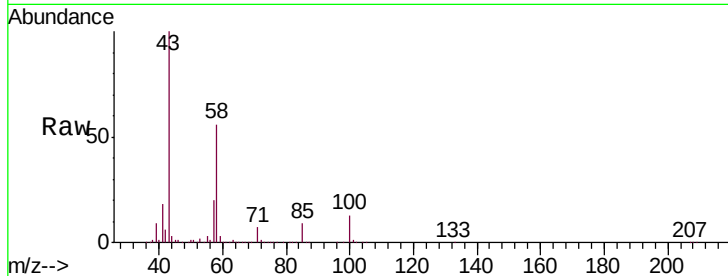




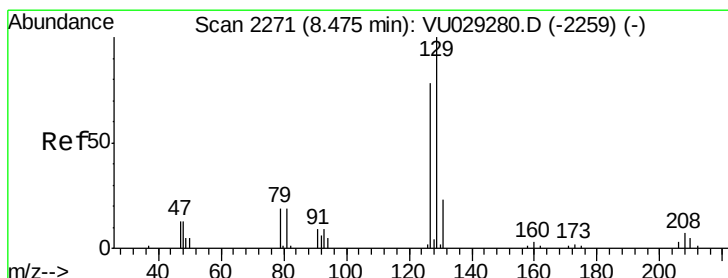
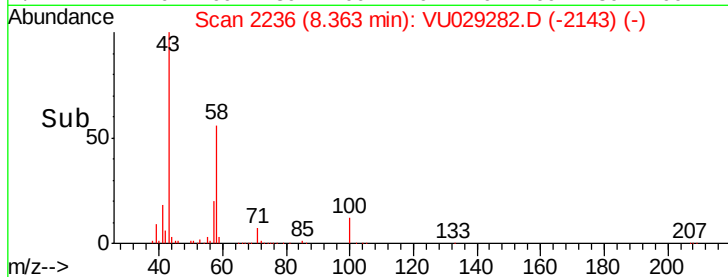
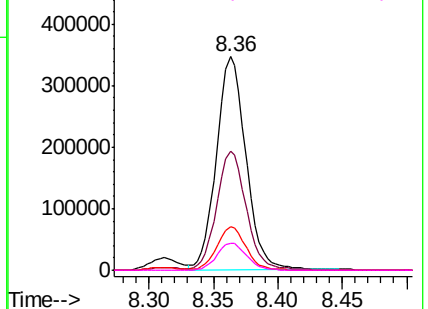
#48
2-Hexanone
Concen: 211.790 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

Tgt Ion: 43 Resp: 550234
Ion Ratio Lower Upper
43 100
58 55.9 44.2 66.2
57 20.4 15.4 23.2
100 13.0 10.0 15.0

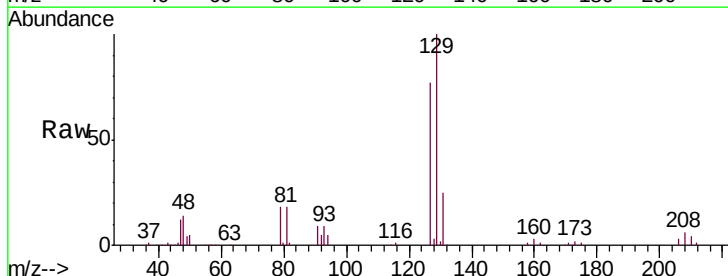


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

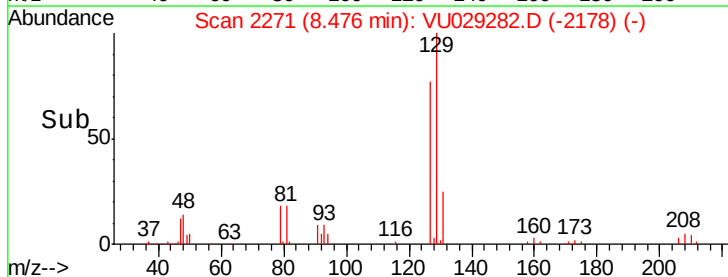
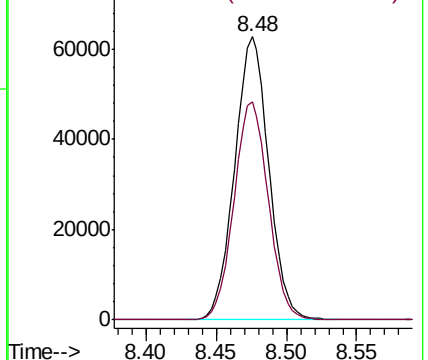


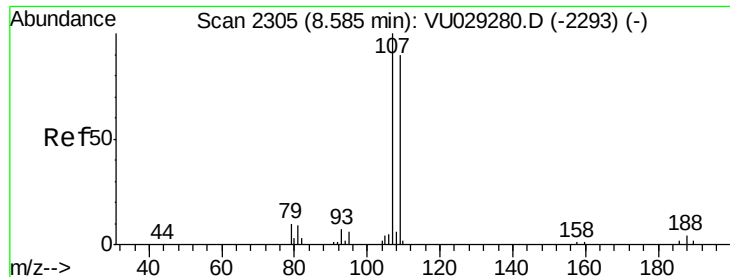
#49
Dibromochloromethane
Concen: 20.203 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

Tgt Ion: 129 Resp: 106508
Ion Ratio Lower Upper
129 100
127 76.9 54.7 101.7



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

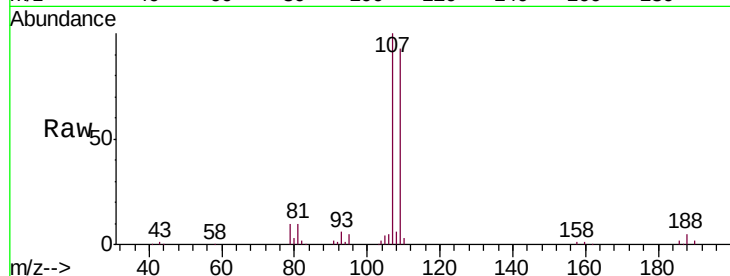




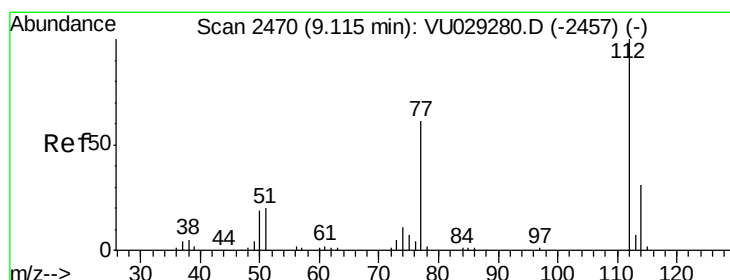
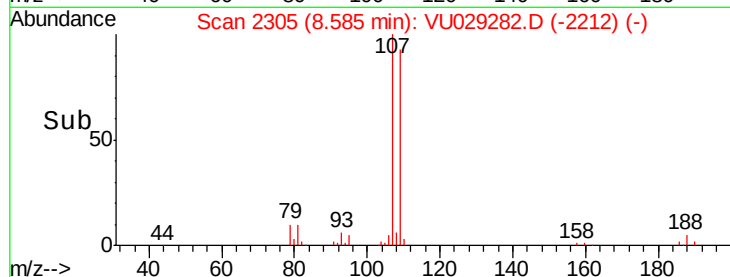
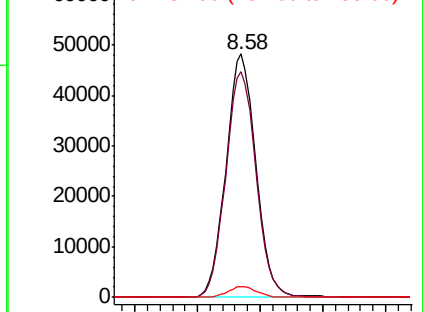
#50
1,2-Dibromoethane
Concen: 19.405 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

Tgt Ion:107 Resp: 79716
Ion Ratio Lower Upper
107 100
109 92.6 62.7 116.5
188 4.6 3.4 5.0

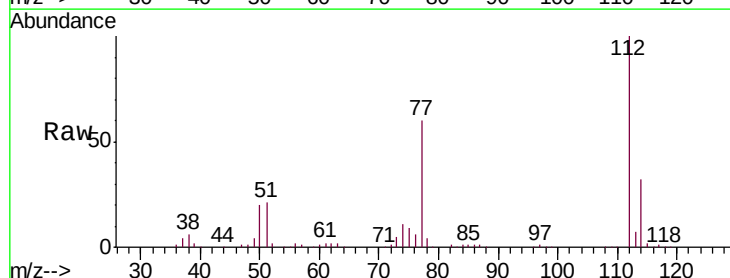


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

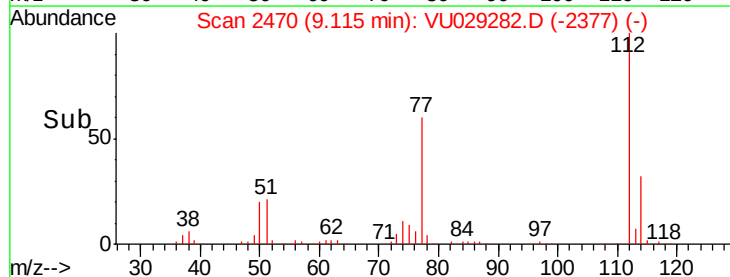
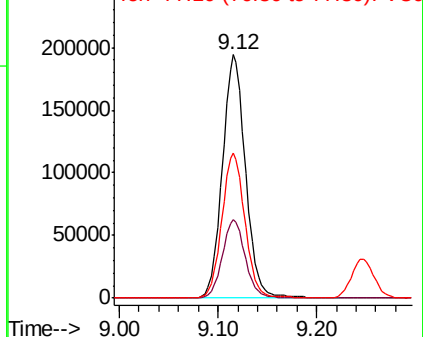


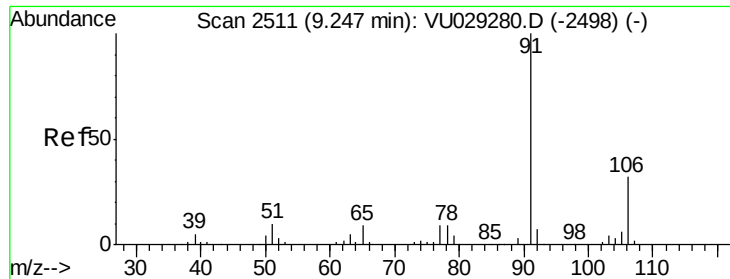
#51
Chlorobenzene
Concen: 20.130 ug/L
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029282.D
Acq: 25 Jan 2019 11:41

Tgt Ion:112 Resp: 319609
Ion Ratio Lower Upper
112 100
114 32.3 22.0 40.8
77 59.8 49.0 73.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 21.460 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

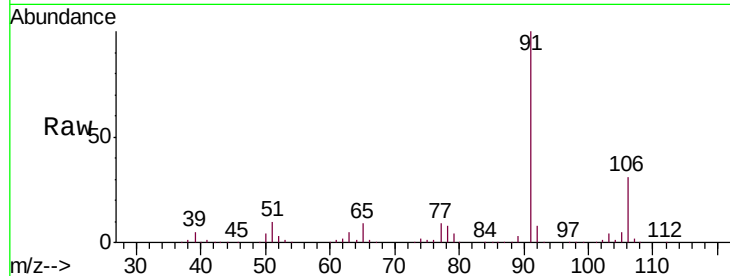
VSTD02046

Tgt Ion: 91 Resp: 568697

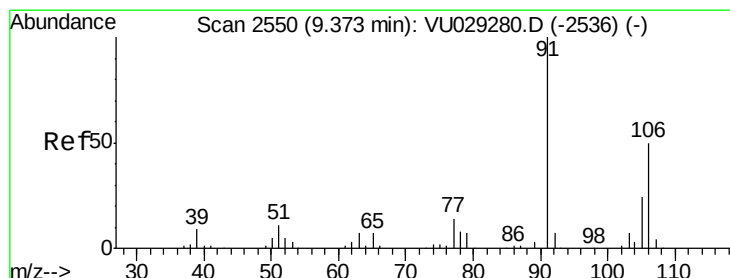
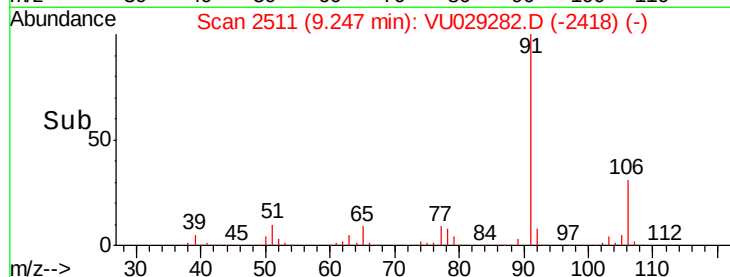
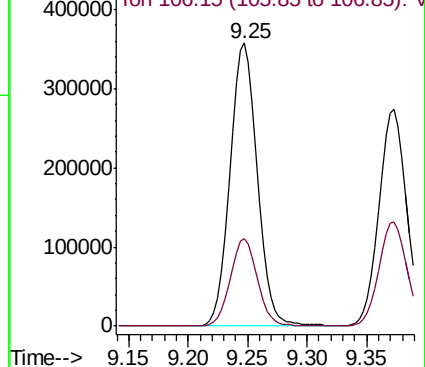
Ion Ratio Lower Upper

91 100

106 30.9 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU029282.D (-2498) (-)



#53

m,p-xylene

Concen: 21.229 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029282.D

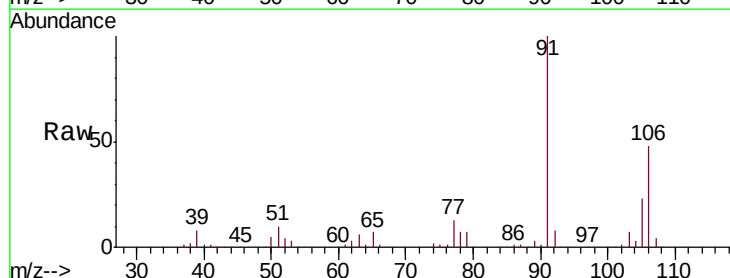
Acq: 25 Jan 2019 11:41

Tgt Ion: 106 Resp: 213741

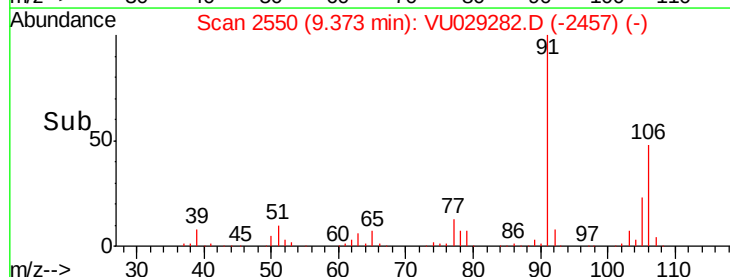
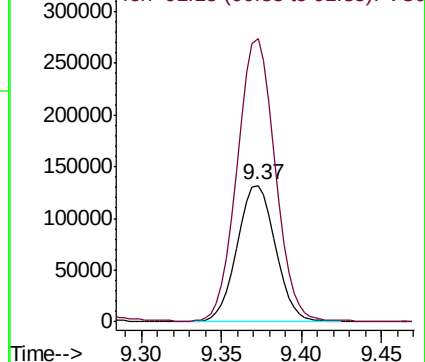
Ion Ratio Lower Upper

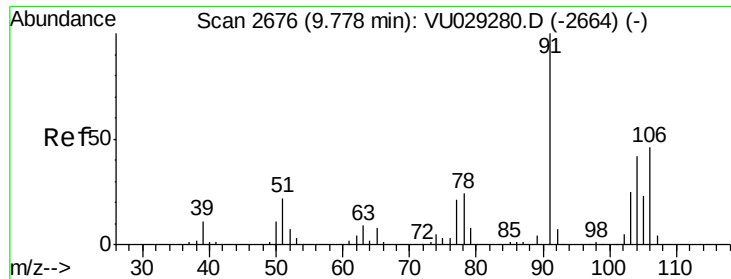
106 100

91 207.0 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VU029282.D (-2536) (-)





#54

o-xylene

Concen: 21.919 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

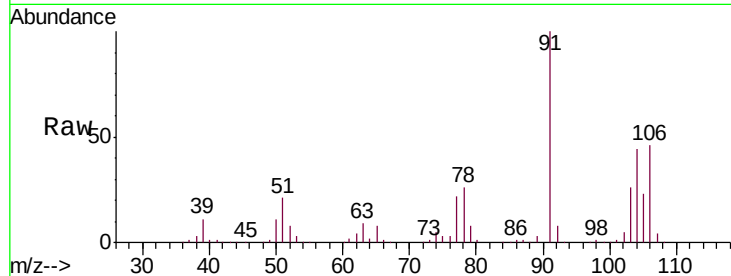
VSTD02046

Tgt Ion:106 Resp: 209965

Ion Ratio Lower Upper

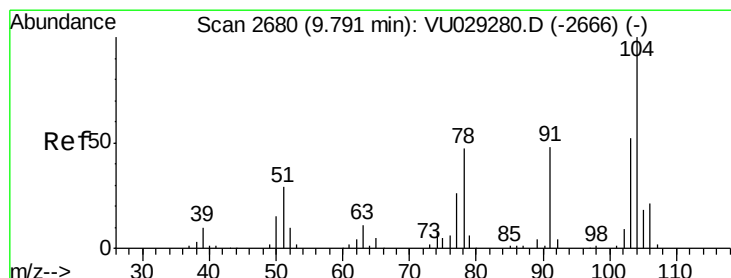
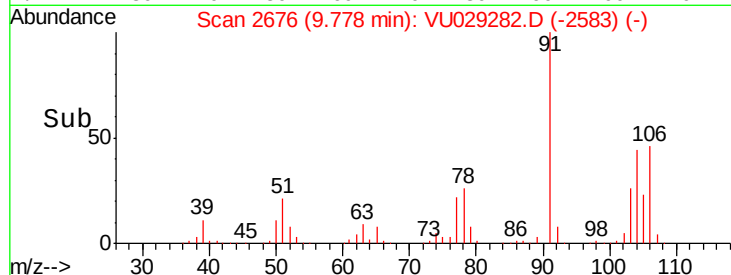
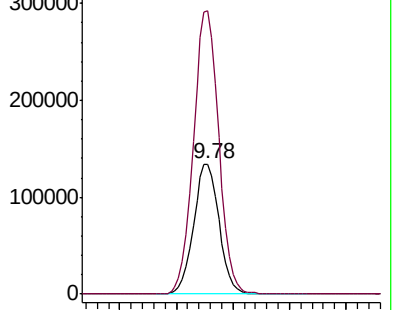
106 100

91 217.7 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 22.260 ug/L

RT: 9.79 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VU029282.D

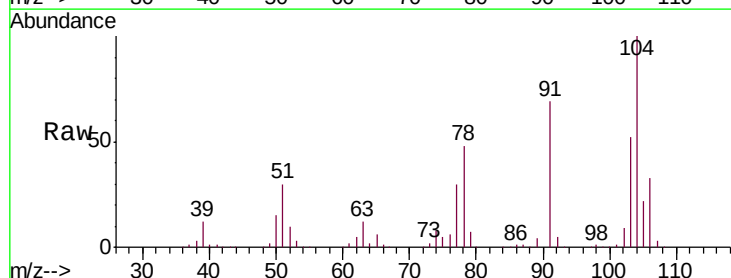
Acq: 25 Jan 2019 11:41

Tgt Ion:104 Resp: 371022

Ion Ratio Lower Upper

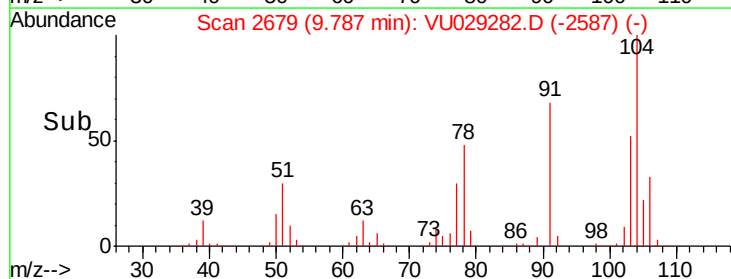
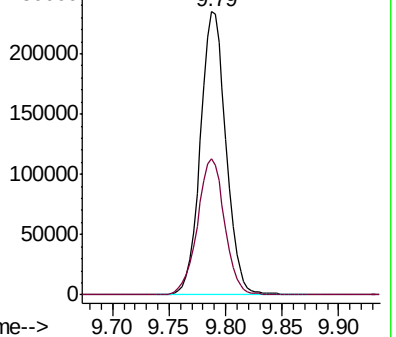
104 100

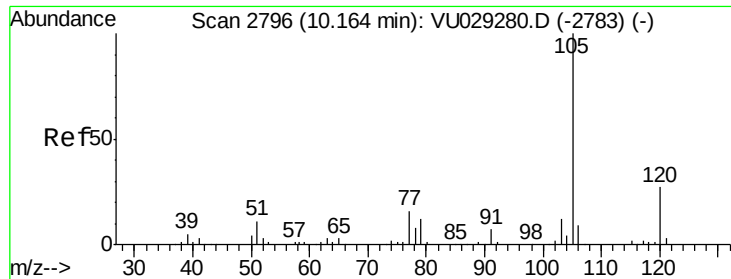
78 48.1 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 22.421 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

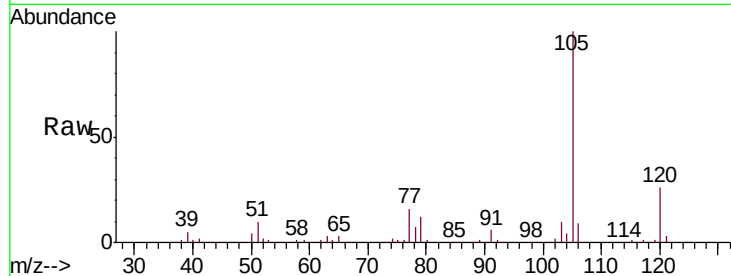
Tgt Ion: 105 Resp: 578655

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

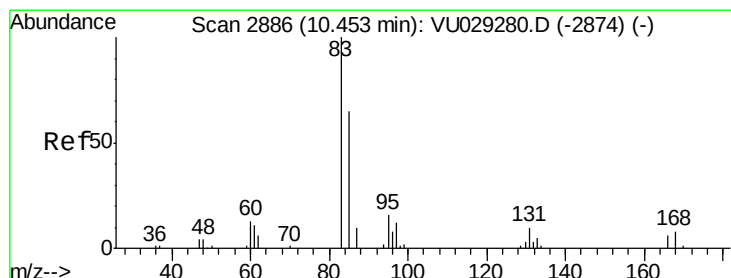
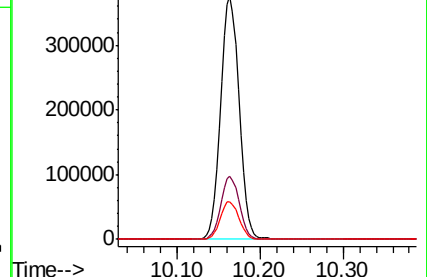
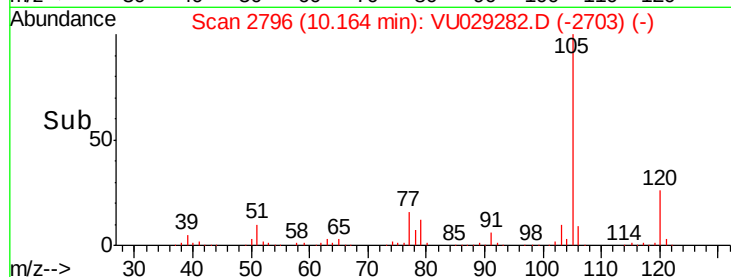
77 15.7 12.8 19.2



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: 20.073 ug/L

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

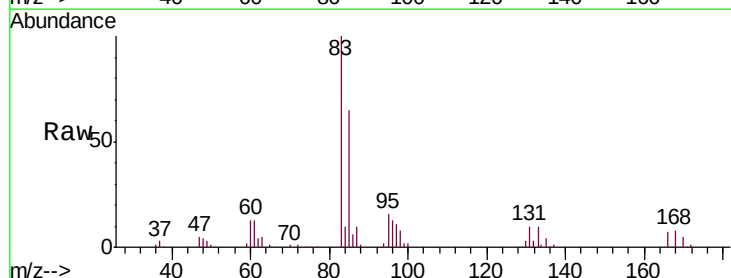
Tgt Ion: 83 Resp: 111076

Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.0

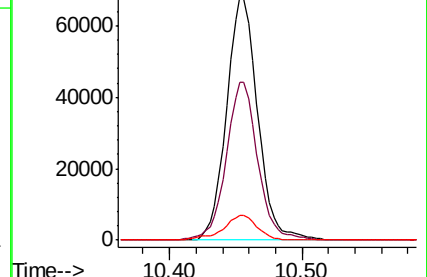
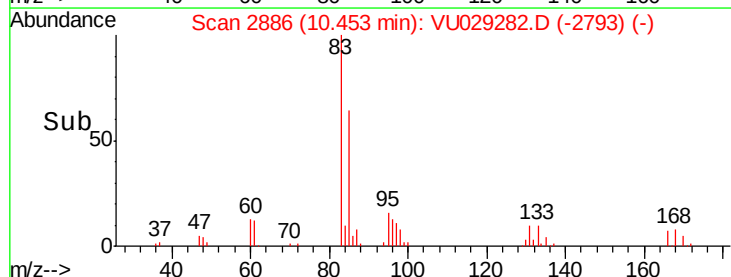
131 9.9 8.8 13.2

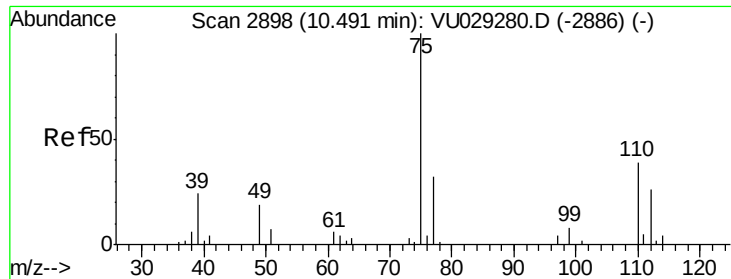


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

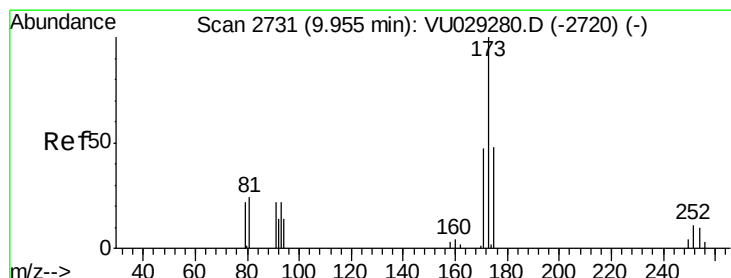
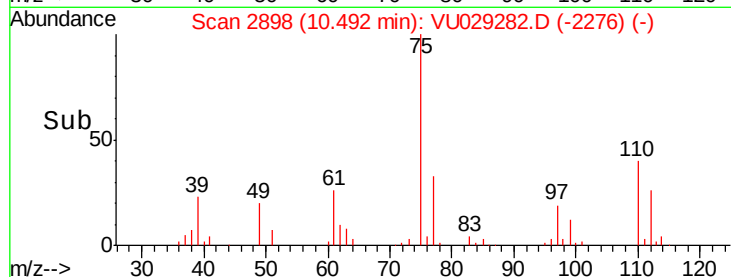
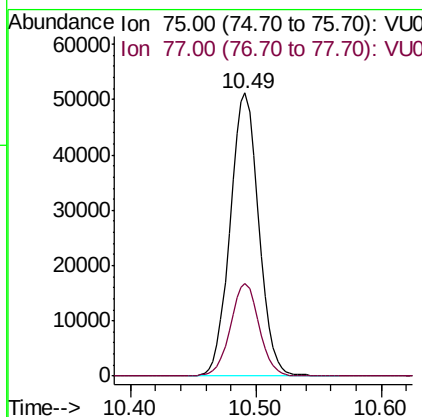
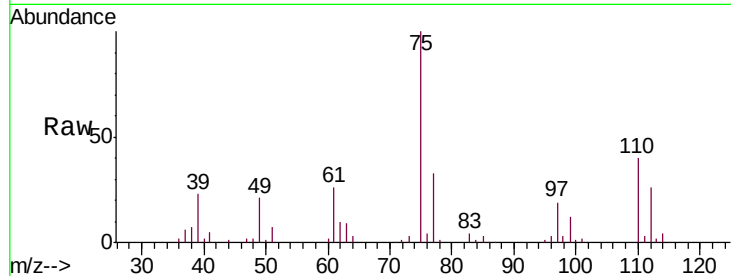




#59
 1,2,3-Trichloropropane
 Concen: 19.907 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

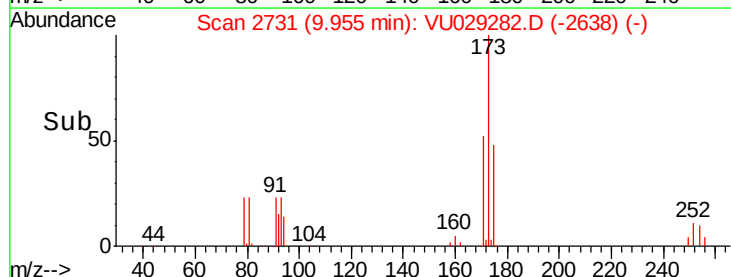
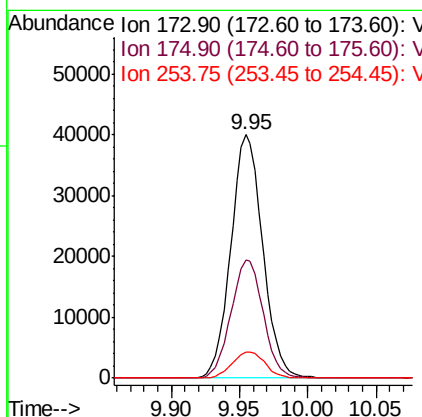
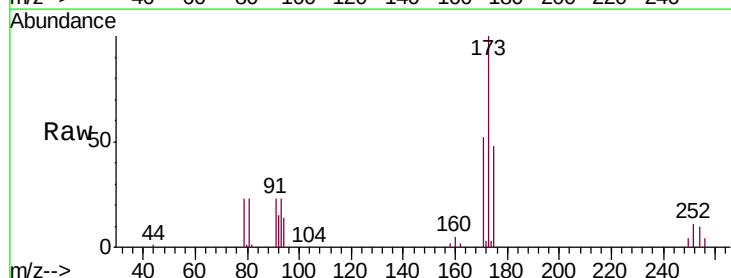
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD02046

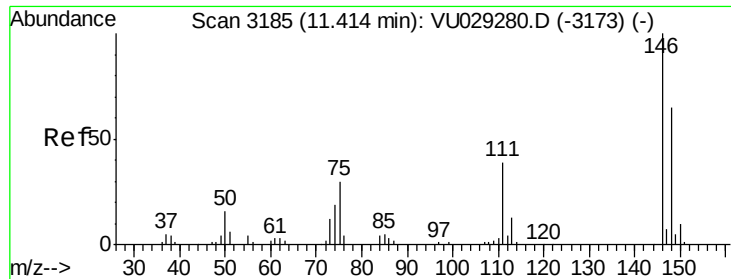
Tgt Ion: 75 Resp: 81008
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4



#61
 Bromoform
 Concen: 18.963 ug/L
 RT: 9.95 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion: 173 Resp: 64909
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.4 59.2
 254 10.9 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 20.097 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

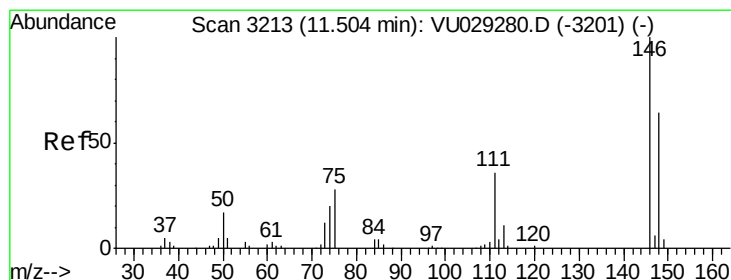
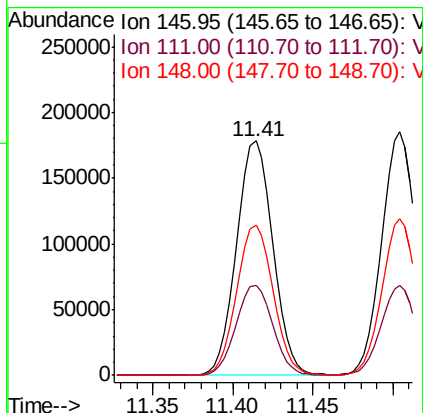
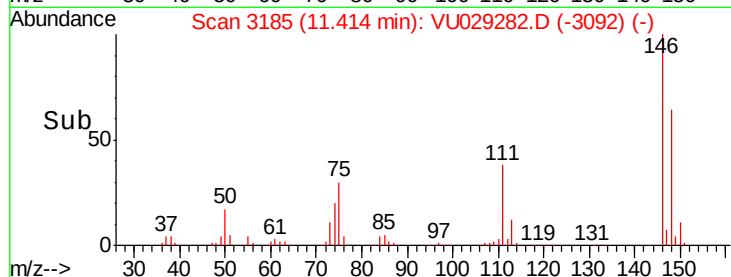
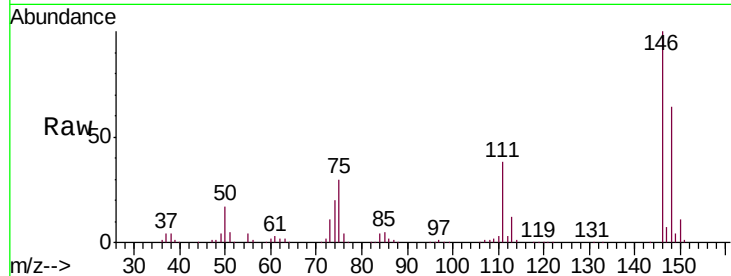
Tgt Ion:146 Resp: 276632

Ion Ratio Lower Upper

146 100

111 38.5 27.2 50.6

148 64.3 45.8 85.0



#63

1,4-Dichlorobenzene

Concen: 19.397 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

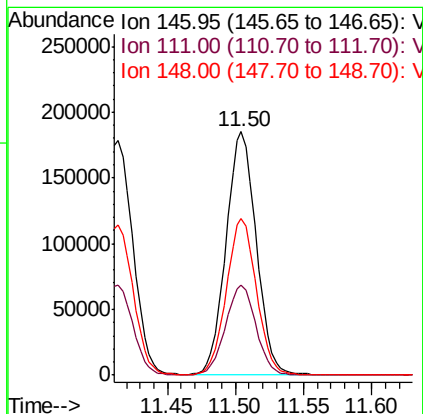
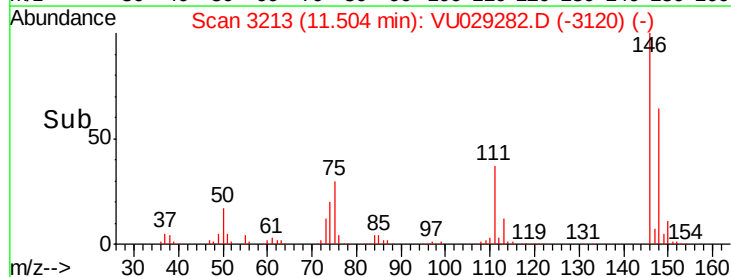
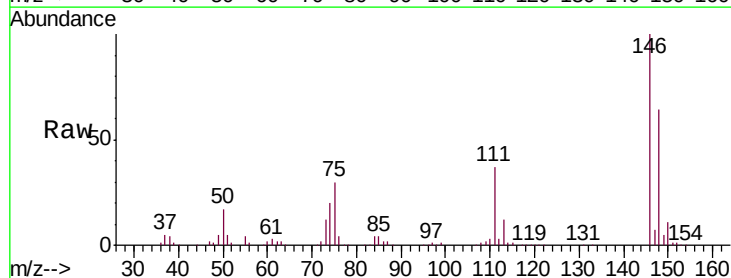
Tgt Ion:146 Resp: 284711

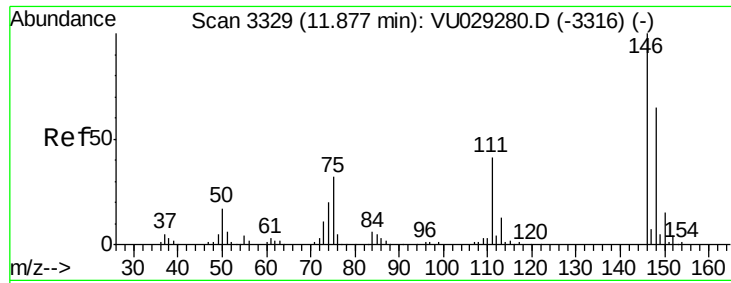
Ion Ratio Lower Upper

146 100

111 37.2 25.5 47.3

148 64.5 44.9 83.5

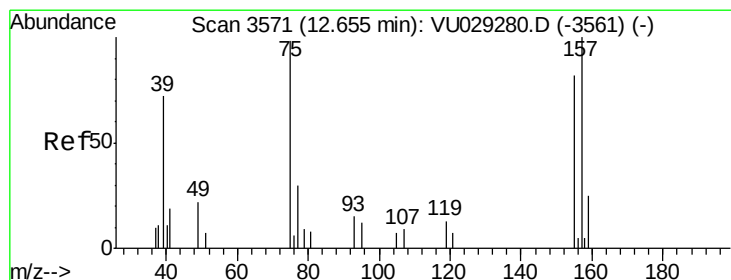
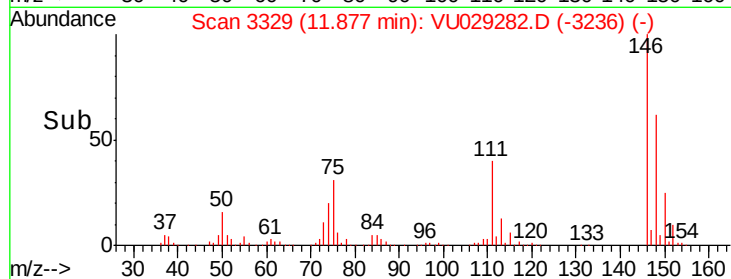
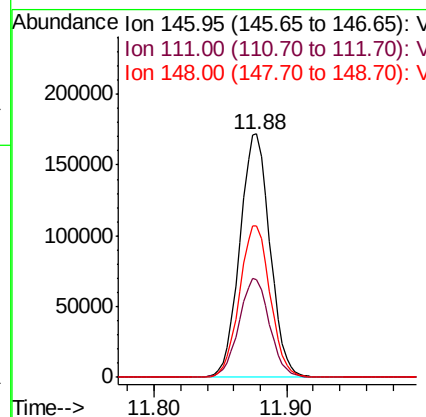
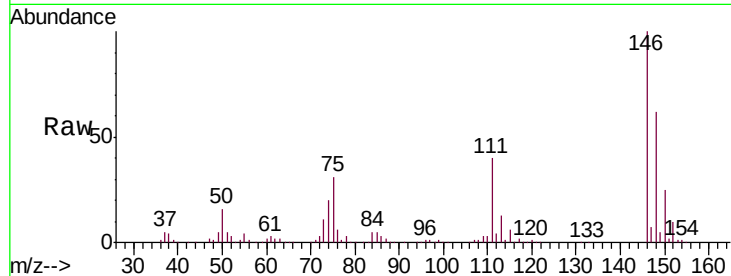




#65
 1,2-Dichlorobenzene
 Concen: 20.101 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

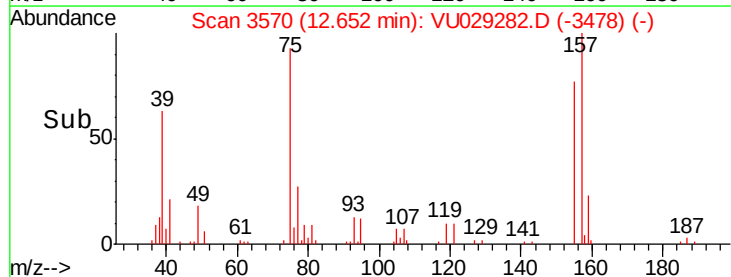
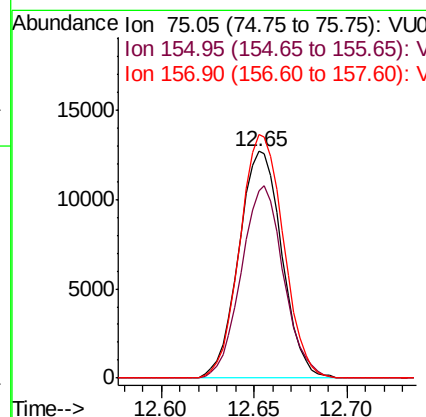
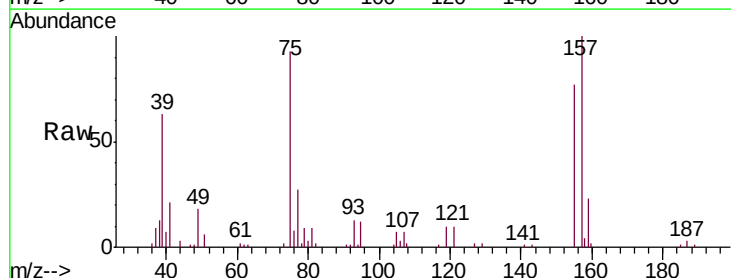
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

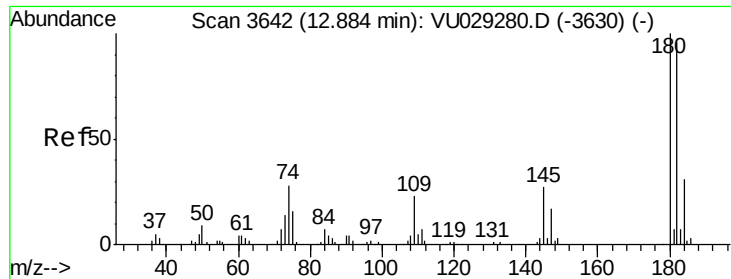
Tgt Ion: 146 Resp: 271525
 Ion Ratio Lower Upper
 146 100
 111 40.0 32.6 49.0
 148 62.4 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.402 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion: 75 Resp: 20571
 Ion Ratio Lower Upper
 75 100
 155 82.6 66.6 100.0
 157 107.3 81.3 121.9

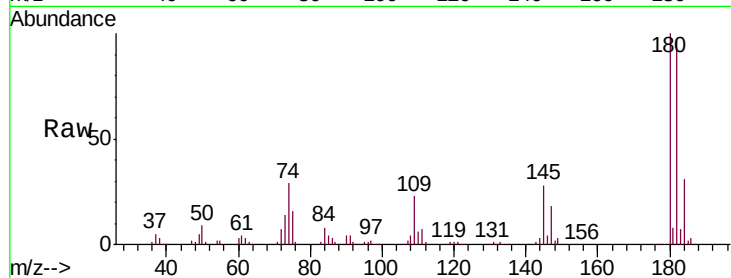




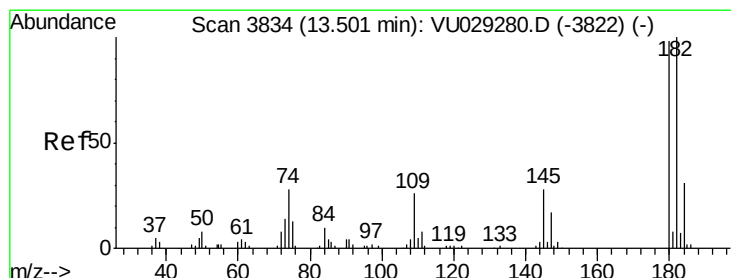
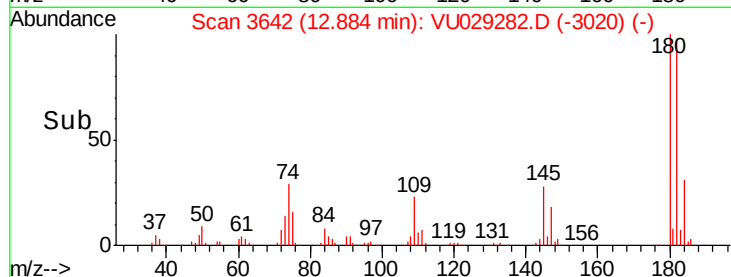
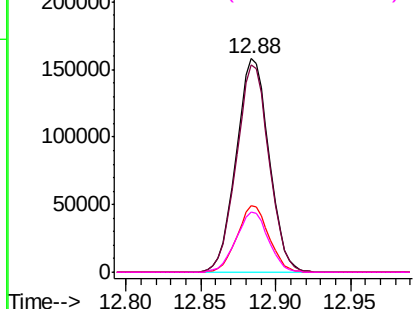
#67
 1,3,5-Trichlorobenzene
 Concen: 20.886 ug/L
 RT: 12.88 min Scan# 3642
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
184	30.2	24.4	36.6
145	27.7	22.4	33.6

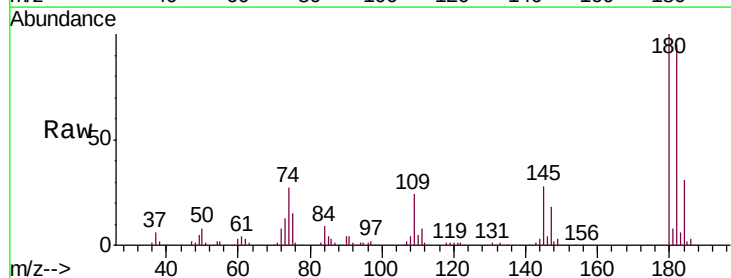


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

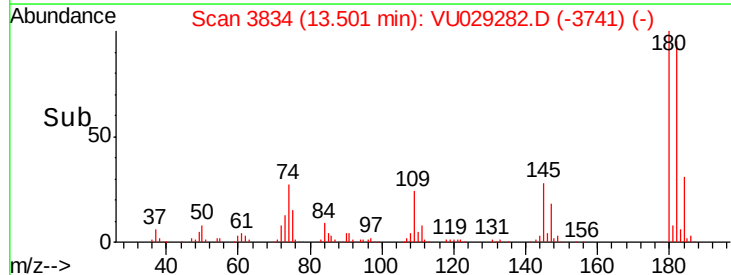
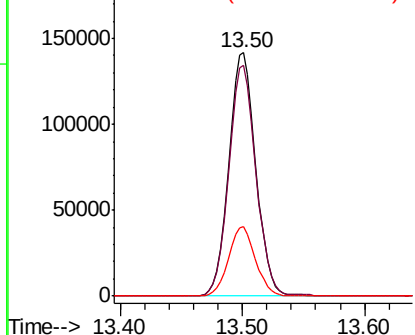


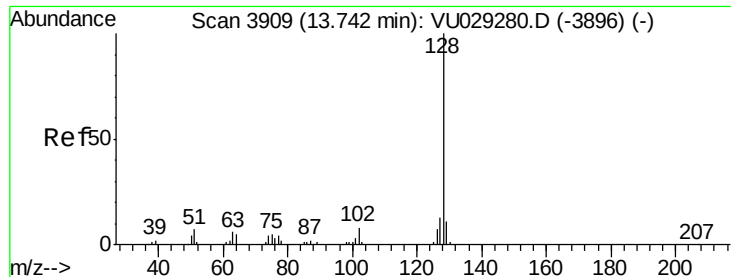
#68
 1,2,4-trichlorobenzene
 Concen: 22.521 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029282.D
 Acq: 25 Jan 2019 11:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	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: 24.993 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

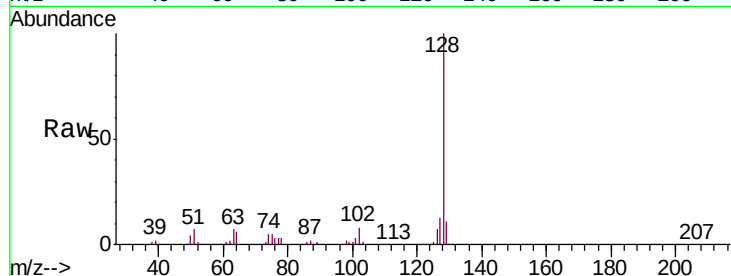
Tgt Ion:128 Resp: 384439

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

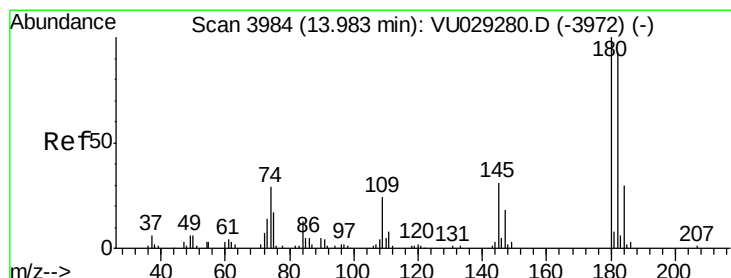
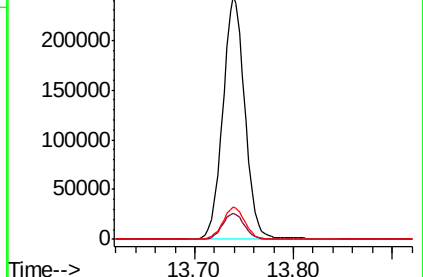
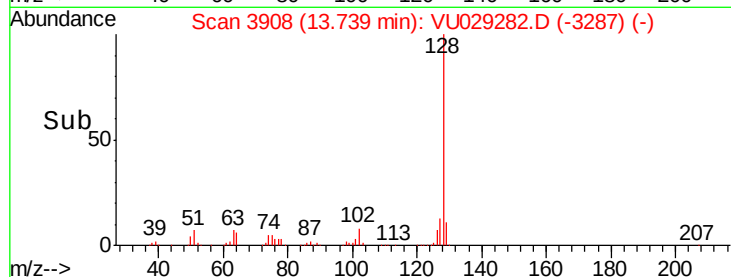
127 13.3 10.4 15.6



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: 22.499 ug/L

RT: 13.98 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VU029282.D

Acq: 25 Jan 2019 11:41

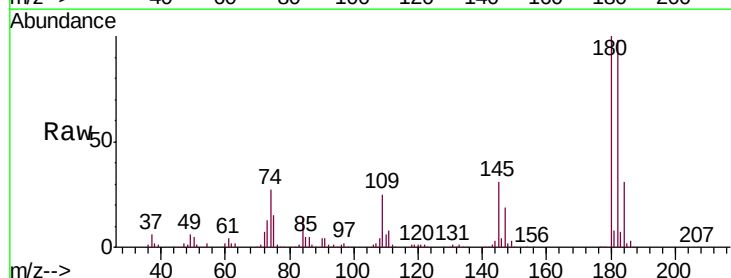
Tgt Ion:180 Resp: 203493

Ion Ratio Lower Upper

180 100

182 97.1 76.4 114.6

145 30.3 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

