

Data File : VU029490.D
Acq On : 15 Feb 2019 11:33
Operator : JC/SP
Sample : VSTD10044
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

Quant Time: Feb 15 22:31:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 15 22:27:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	431891	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	446848	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	249681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	337373	100.29	ug/L	0.00
7) Chloroethane-d5	1.67	69	305675	114.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	649080	109.56	ug/L	0.00
21) 2-Butanone-d5	4.17	46	436211	189.72	ug/L	0.00
24) Chloroform-d	4.64	84	558567	104.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	346069	104.85	ug/L	0.00
32) Benzene-d6	5.34	84	1163956	95.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	351501	86.27	ug/L	0.00
41) Toluene-d8	7.56	98	1221732	108.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	194577	104.13	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	417632	212.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	624700	106.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	563347	110.84	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	295670	87.207	ug/L	100
3) Chloromethane	1.32	50	261394	60.417	ug/L	99
5) Vinyl chloride	1.40	62	359204	88.403	ug/L	100
6) Bromomethane	1.61	94	169222	96.848	ug/L	99
8) Chloroethane	1.69	64	244346	103.183	ug/L	100
9) Trichlorofluoromethane	1.88	101	562224	123.750	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	291395	102.220	ug/L	98
12) 1,1-Dichloroethene	2.28	96	278393	99.109	ug/L	91
13) Acetone	2.32	43	370392	156.965	ug/L	100
14) Carbon disulfide	2.47	76	754116	81.837	ug/L	99
15) Methyl Acetate	2.61	43	272164	75.576	ug/L	100
16) Methylene chloride	2.70	84	276323	84.273	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	266291	91.479	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	829333	92.538	ug/L	99
19) 1,1-Dichloroethane	3.44	63	460182	83.130	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	317373	96.095	ug/L	98
22) 2-Butanone	4.26	43	485728	170.414	ug/L	99
23) Bromochloromethane	4.54	128	173172	106.418	ug/L	99
25) Chloroform	4.67	83	511951	94.542	ug/L	100
27) 1,2-Dichloroethane	5.40	62	406018	100.039	ug/L	100
29) Cyclohexane	4.99	56	437980	78.509	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	464374	98.887	ug/L	99
31) Carbon tetrachloride	5.13	117	429550	110.764	ug/L	99
33) Benzene	5.39	78	1143255	84.174	ug/L	100
34) Trichloroethene	6.18	95	313134	93.321	ug/L	99
35) Methylcyclohexane	6.41	83	505918	91.539	ug/L	99
37) 1,2-Dichloropropane	6.43	63	299673	79.644	ug/L	99
38) Bromodichloromethane	6.75	83	413208	96.140	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	509774	92.727	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	878053	172.829	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1383277	98.106	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	484488	98.568	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	321411	95.970	ug/L	98
46) Tetrachloroethene	8.22	164	300040	110.704	ug/L	99
48) 2-Hexanone	8.36	43	772071	184.044	ug/L	99
49) Dibromochloromethane	8.47	129	406178	117.332	ug/L	99
50) 1,2-Dibromoethane	8.58	107	363488	103.457	ug/L	99
51) Chlorobenzene	9.12	112	951744	104.844	ug/L	98
52) Ethylbenzene	9.25	91	1603783	104.504	ug/L	99
53) m,p-Xylene	9.37	106	648821	113.187	ug/L	98
54) o-xylene	9.78	106	651024	112.924	ug/L	98
55) Styrene	9.79	104	1139513	117.028	ug/L	97
56) Isopropylbenzene	10.16	105	1720506	116.778	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	587288	97.310	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	444800	95.962	ug/L	99
61) Bromoform	9.95	173	348352	111.430	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	817425	103.164	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	822009	100.965	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	848709	103.215	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	142298	101.265	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	639459	109.120	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	574353	115.887	ug/L	99
69) Naphthalene	13.74	128	1846811	109.342	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	598750	112.791	ug/L	98

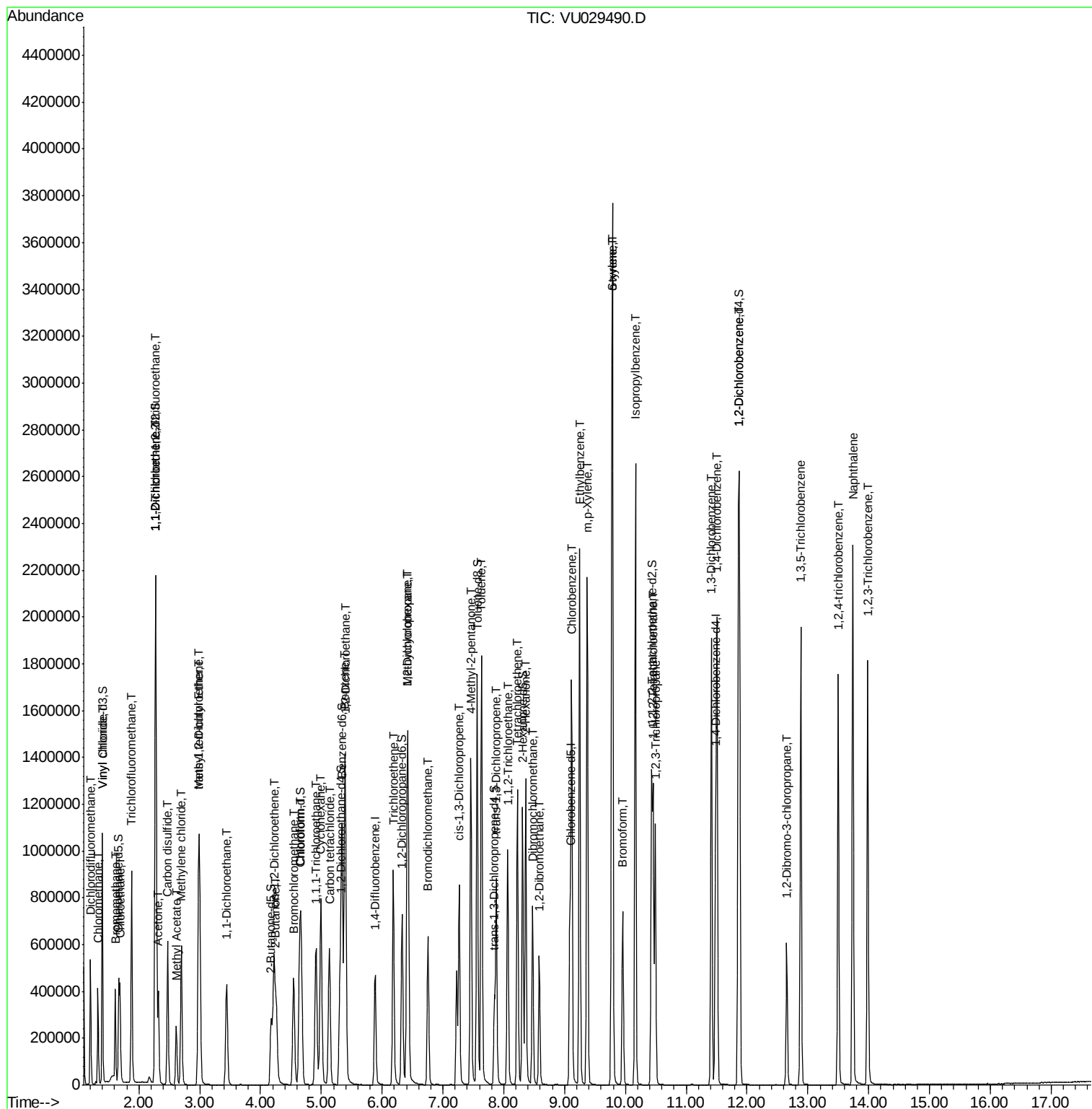
(#) = qualifier out of range (m) = manual integration (+) = signals summed

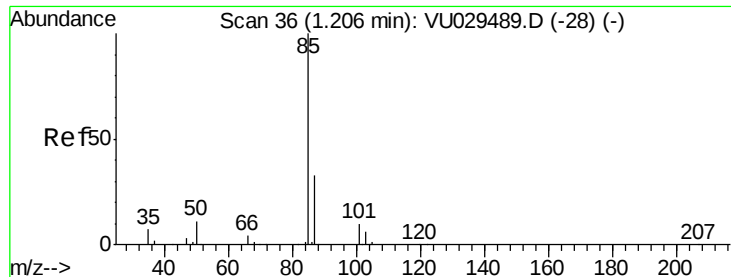
Data File : VU029490.D

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#2

Dichlorodifluoromethane

Concen: 87.207 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

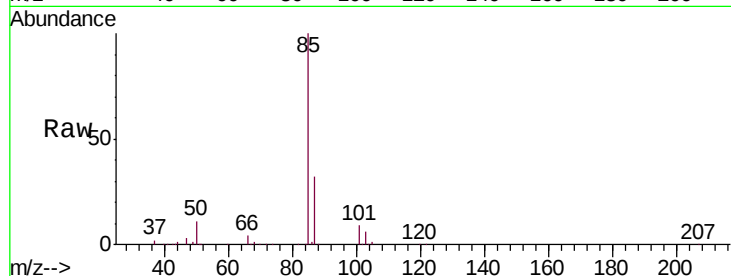
VSTD10044

Tgt Ion: 85 Resp: 295670

Ion Ratio Lower Upper

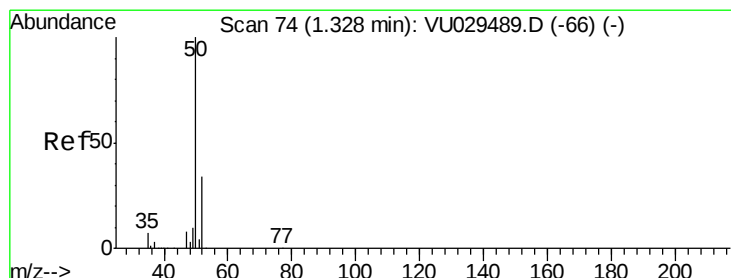
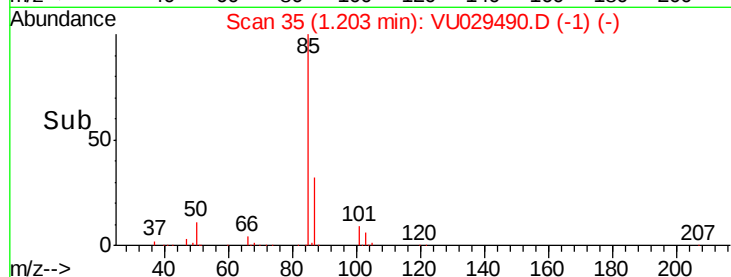
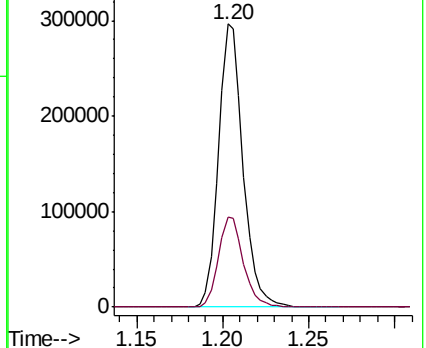
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 60.417 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029490.D

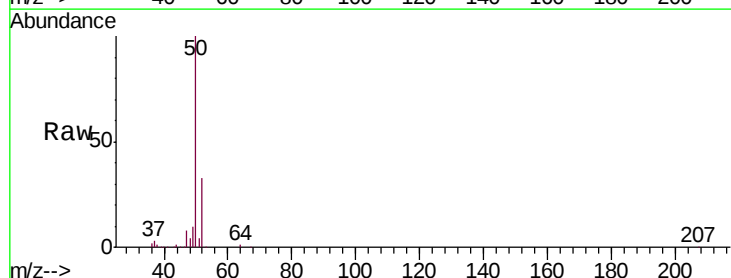
Acq: 15 Feb 2019 11:33

Tgt Ion: 50 Resp: 261394

Ion Ratio Lower Upper

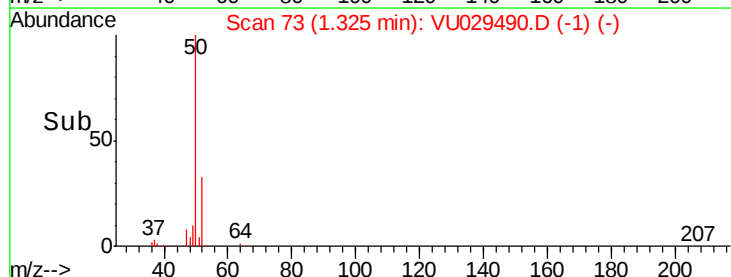
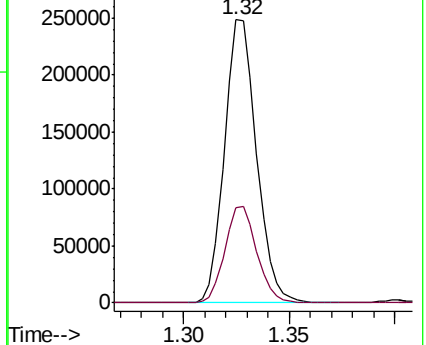
50 100

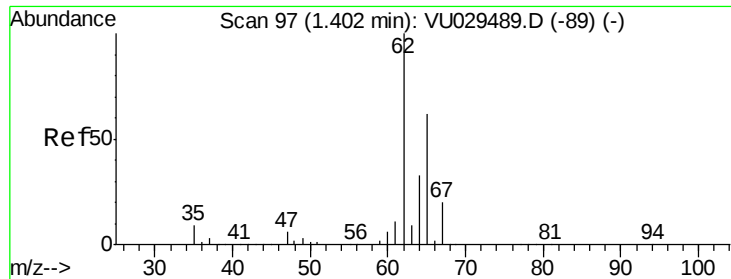
52 33.4 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 88.403 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

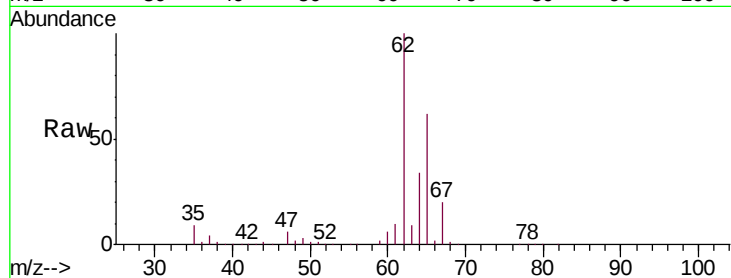
VSTD10044

Tgt Ion: 62 Resp: 359204

Ion Ratio Lower Upper

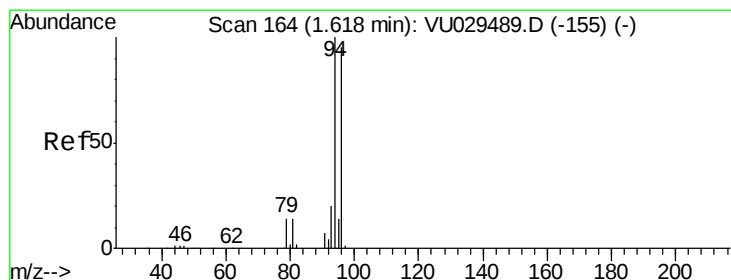
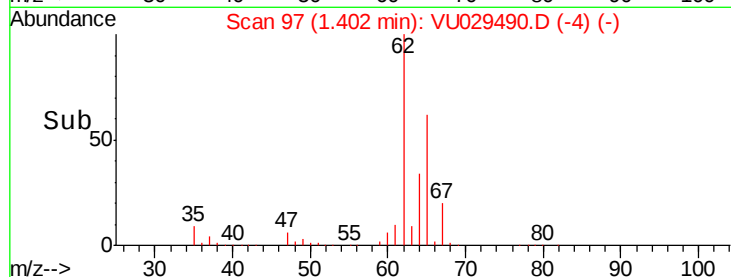
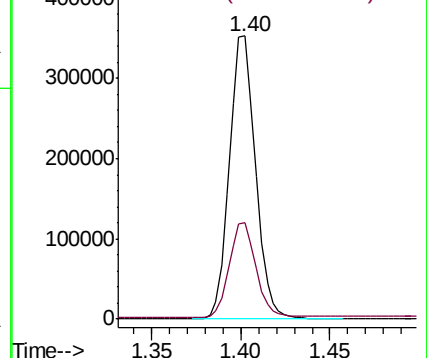
62 100

64 34.1 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 96.848 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU029490.D

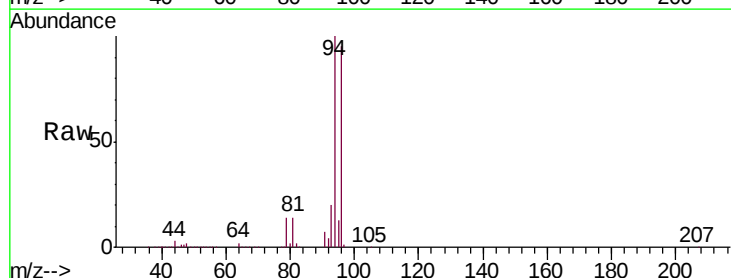
Acq: 15 Feb 2019 11:33

Tgt Ion: 94 Resp: 169222

Ion Ratio Lower Upper

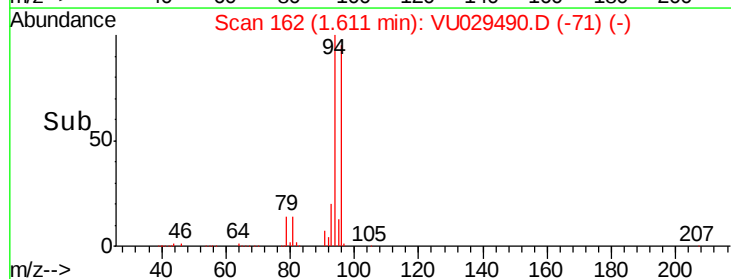
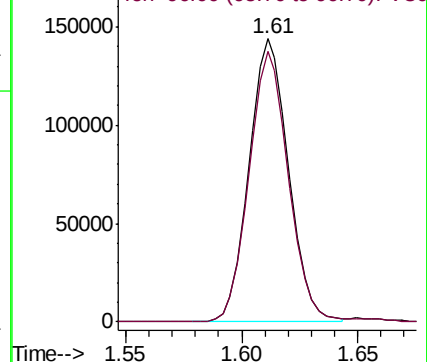
94 100

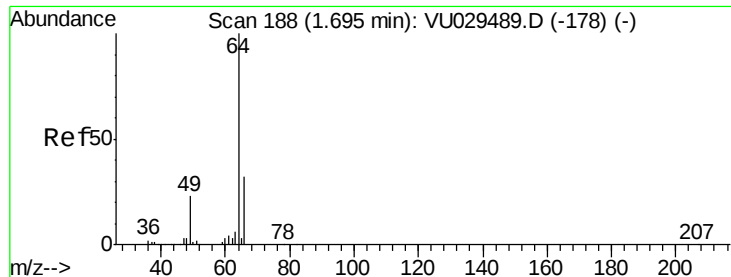
96 95.4 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 103.183 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

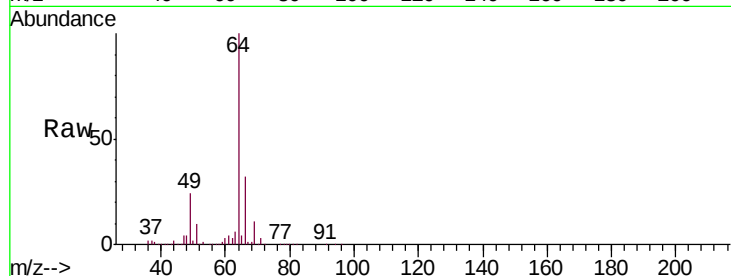
VSTD10044

Tgt Ion: 64 Resp: 244346

Ion Ratio Lower Upper

64 100

66 31.6 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU029489.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU029489.D (-178) (-)

1.69

200000

150000

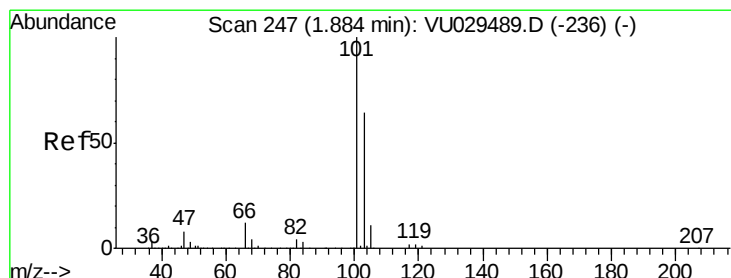
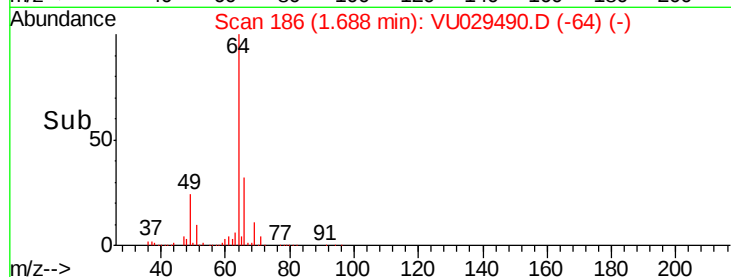
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 123.750 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU029490.D

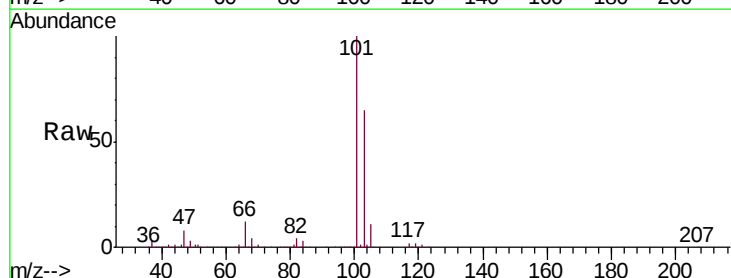
Acq: 15 Feb 2019 11:33

Tgt Ion: 101 Resp: 562224

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU029489.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU029489.D (-236) (-)

1.88

400000

300000

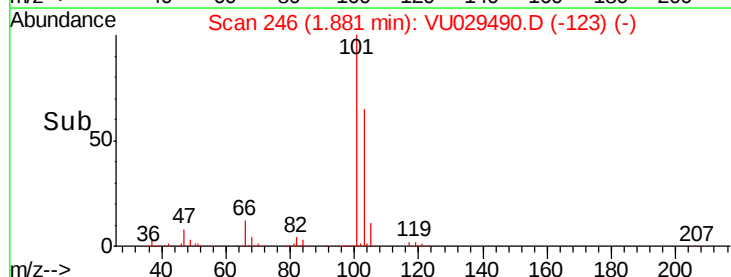
200000

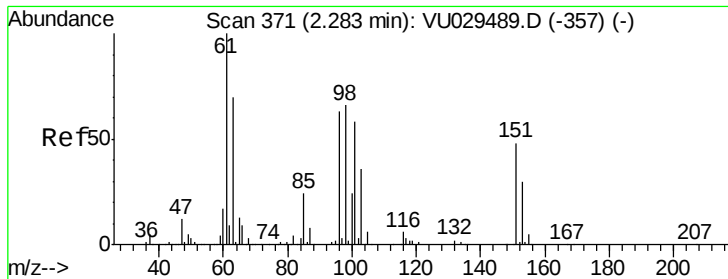
100000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 102.220 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

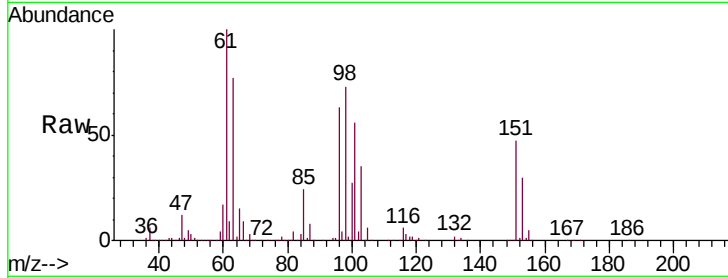
Tgt Ion: 101 Resp: 291395

Ion Ratio Lower Upper

101 100

85 41.9 33.0 49.6

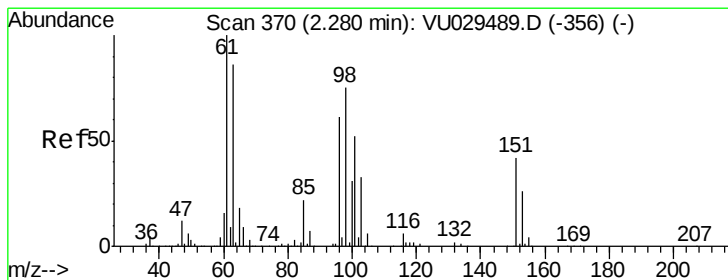
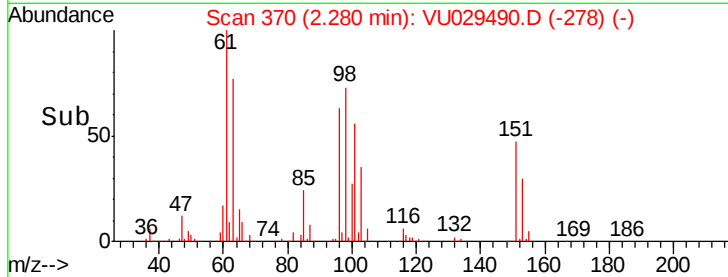
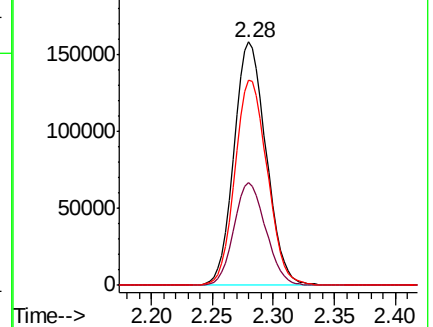
151 84.9 65.7 98.5



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: 99.109 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

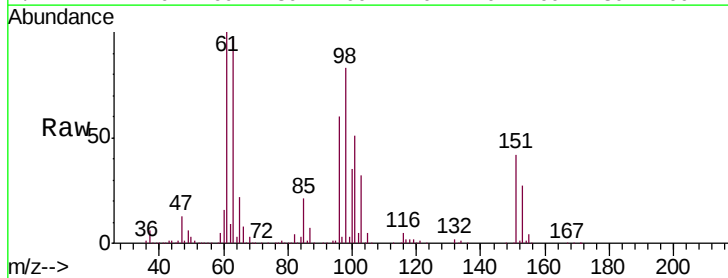
Tgt Ion: 96 Resp: 278393

Ion Ratio Lower Upper

96 100

61 166.0 114.0 211.8

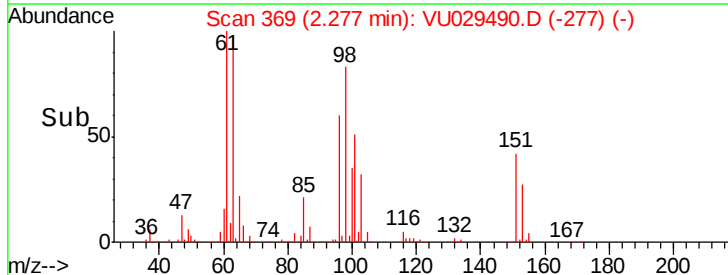
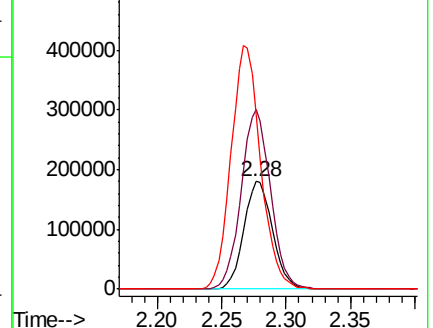
63 161.8 98.7 183.3

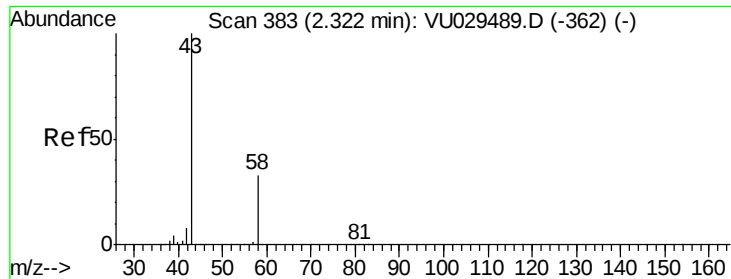


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 156.965 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

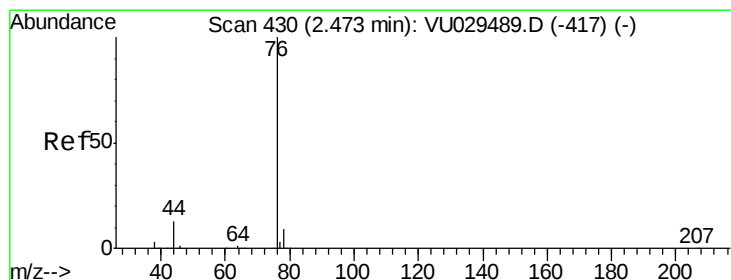
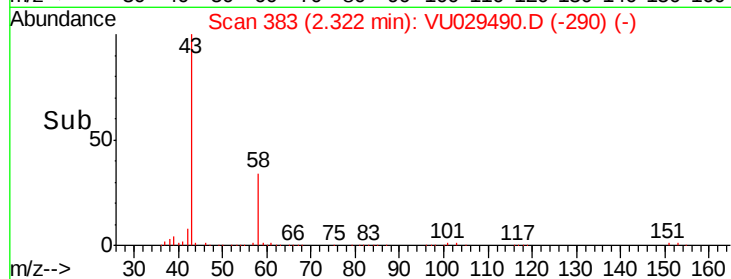
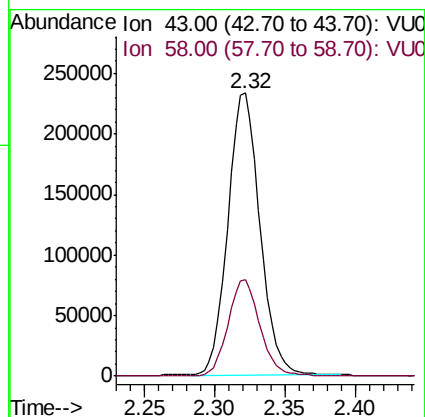
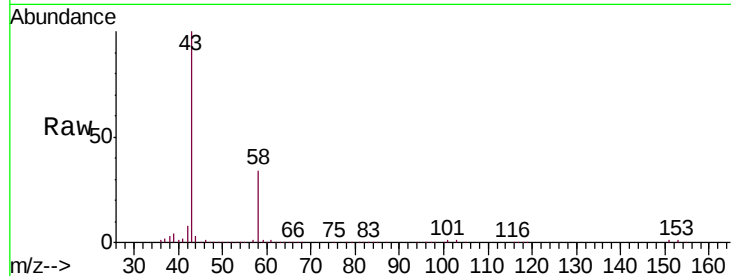
Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

Tgt Ion: 43 Resp: 370392

Ion Ratio Lower Upper

43 100

58 33.6 0.0 66.8



#14

Carbon disulfide

Concen: 81.837 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029490.D

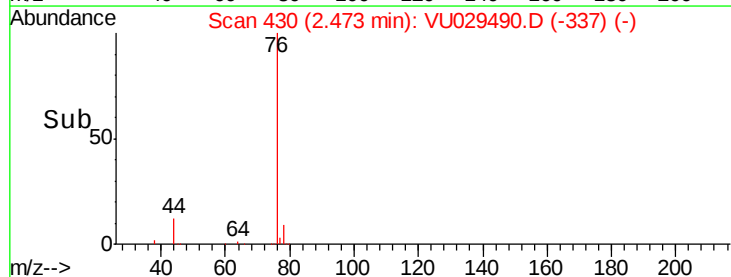
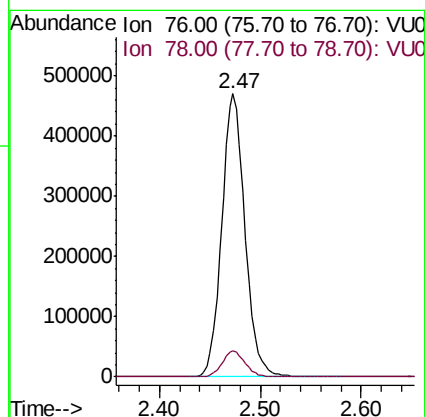
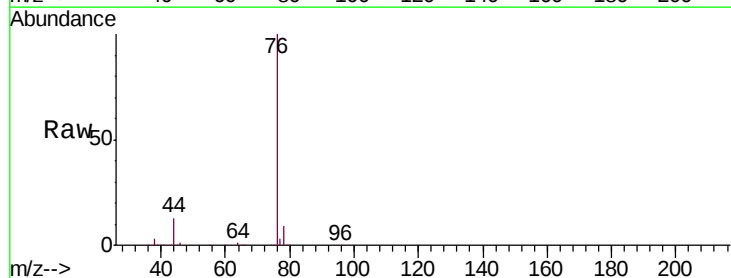
Acq: 15 Feb 2019 11:33

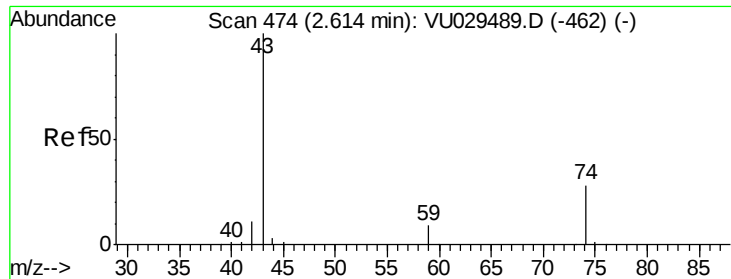
Tgt Ion: 76 Resp: 754116

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

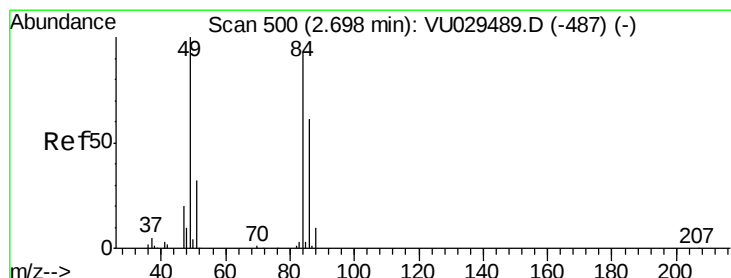
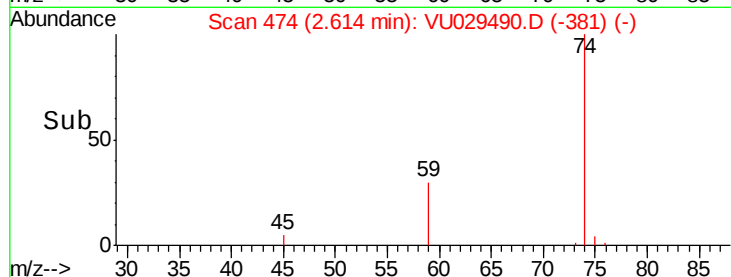
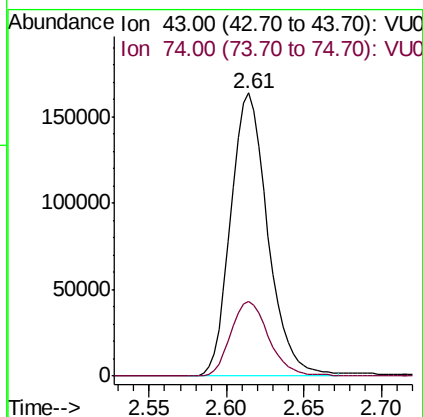
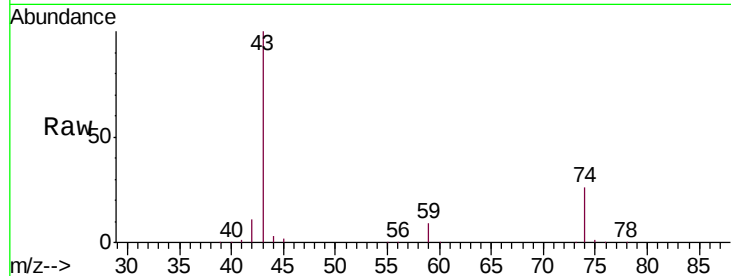




#15
Methyl Acetate
Concen: 75.576 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029490.D
Acq: 15 Feb 2019 11:33

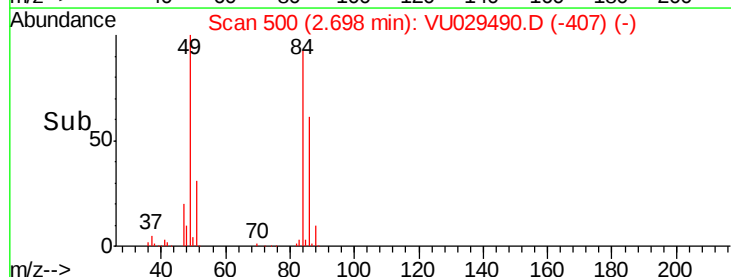
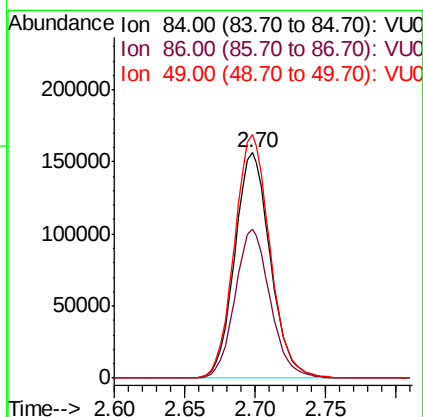
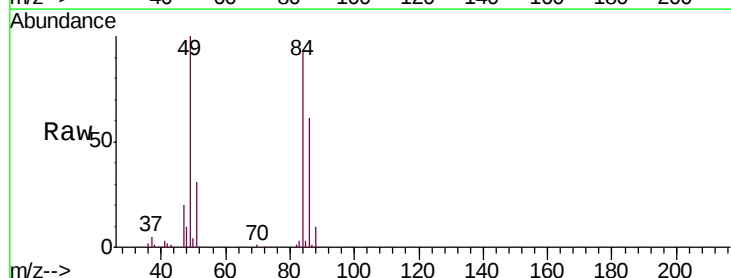
Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

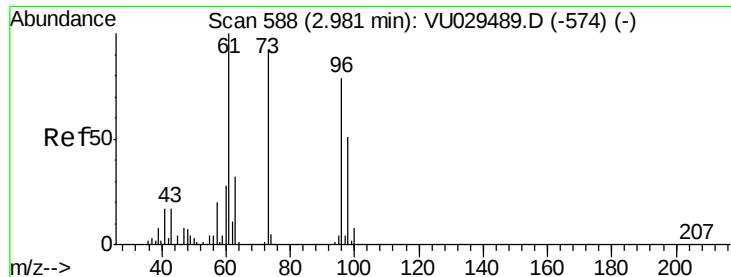
Tgt Ion: 43 Resp: 272164
Ion Ratio Lower Upper
43 100
74 27.1 21.5 32.3



#16
Methylene chloride
Concen: 84.273 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029490.D
Acq: 15 Feb 2019 11:33

Tgt Ion: 84 Resp: 276323
Ion Ratio Lower Upper
84 100
86 66.0 45.8 85.0
49 108.1 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 91.479 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

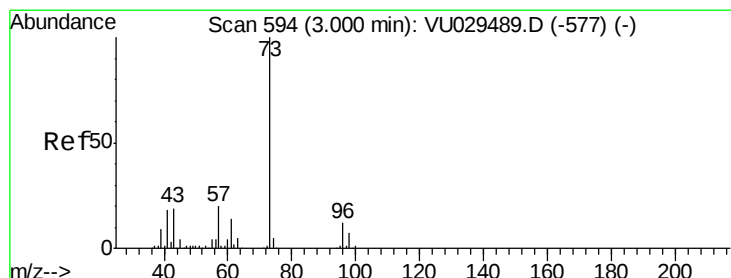
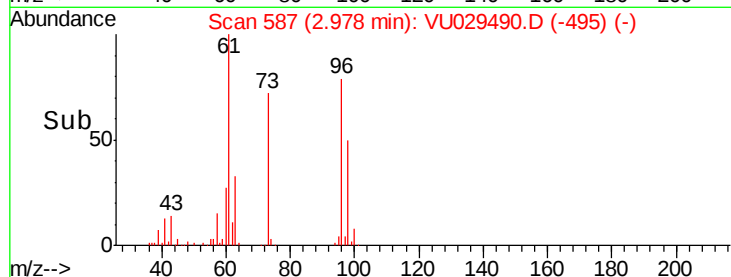
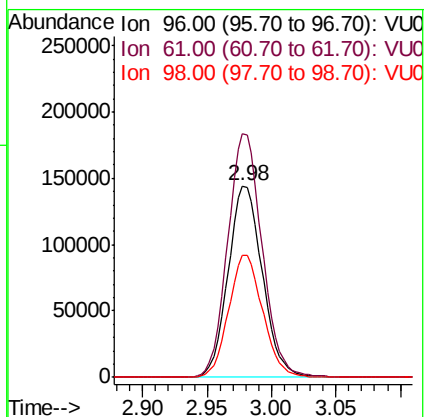
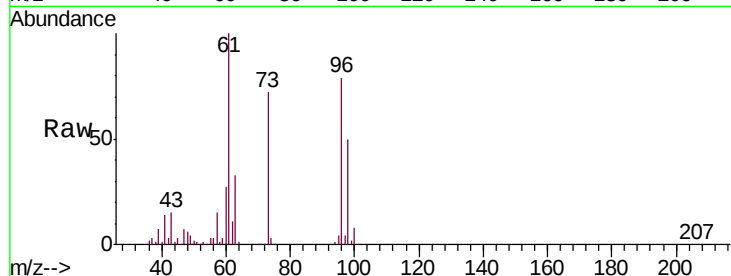
Tgt Ion: 96 Resp: 266291

Ion Ratio Lower Upper

96 100

61 127.1 88.3 163.9

98 63.5 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 92.538 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

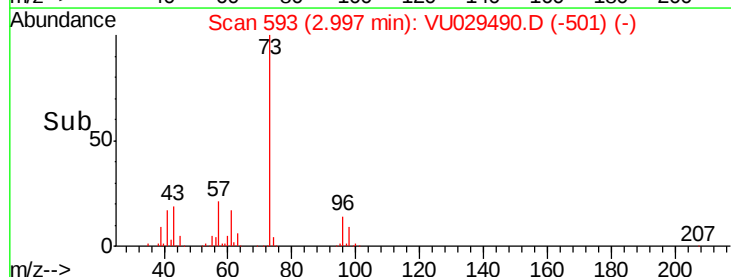
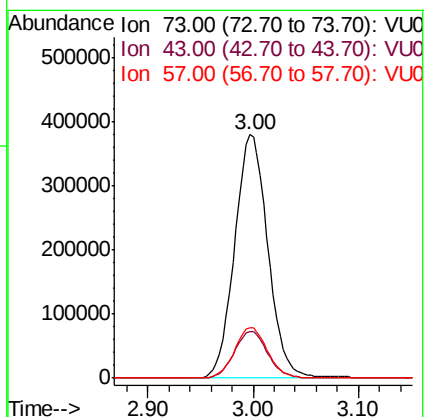
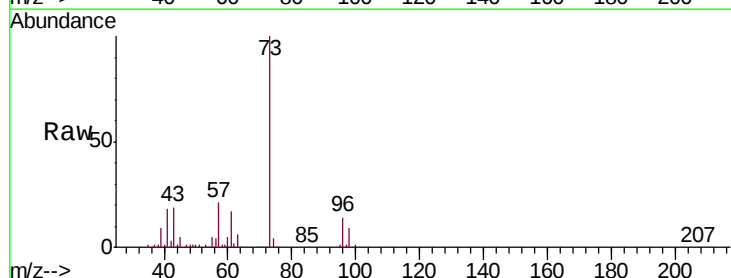
Tgt Ion: 73 Resp: 829333

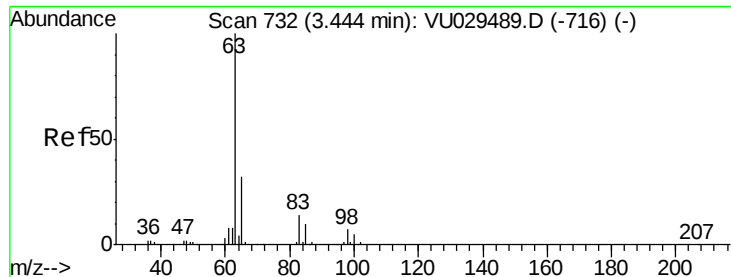
Ion Ratio Lower Upper

73 100

43 19.2 14.8 22.2

57 20.7 16.5 24.7

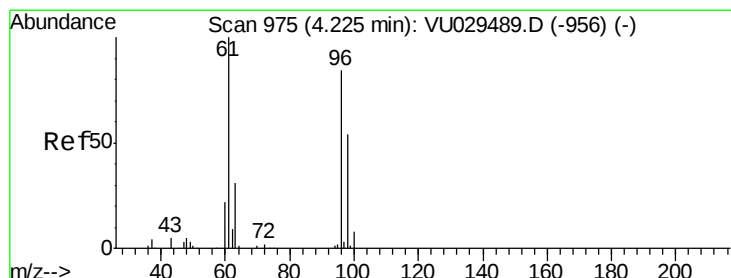
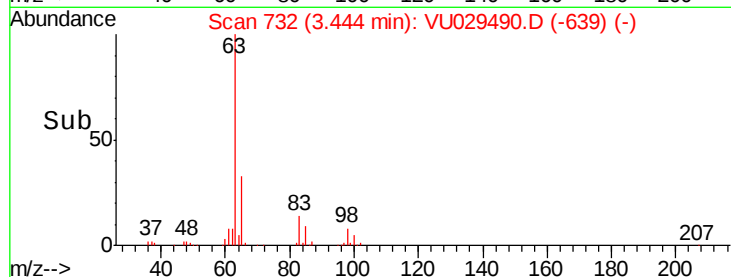
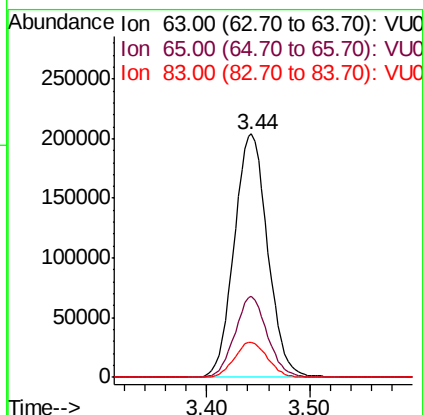
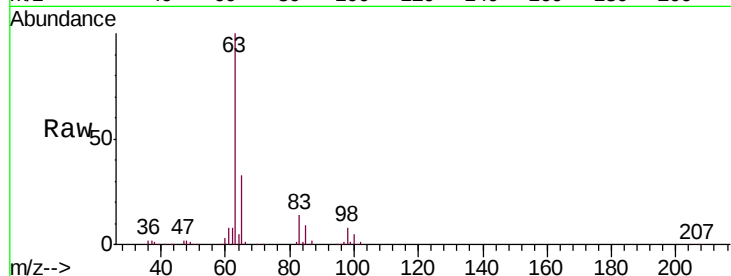




#19
 1,1-Dichloroethane
 Concen: 83.130 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

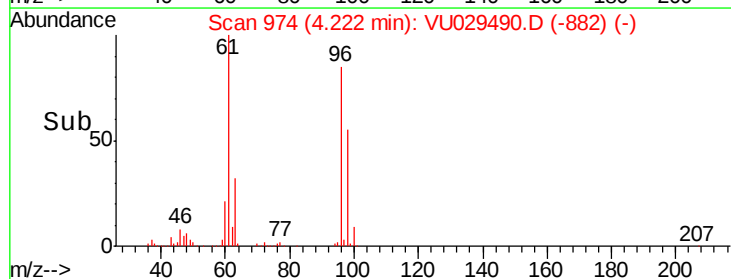
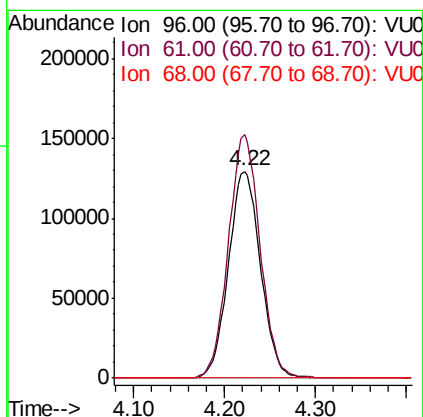
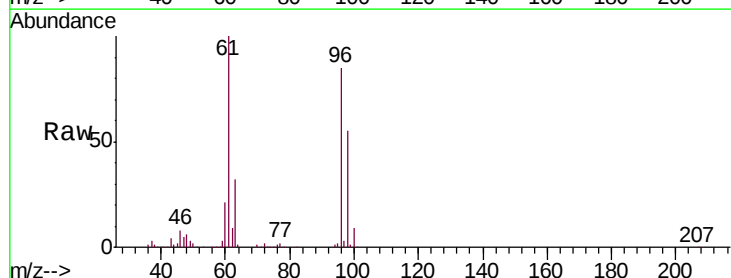
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10044

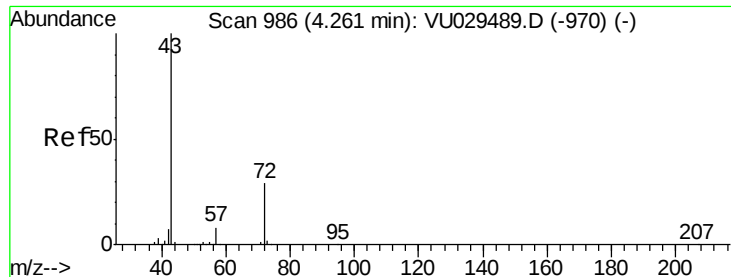
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.2	22.3	41.3
83	14.4	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 96.095 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.7	83.9	155.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 170.414 ug/L

RT: 4.26 min Scan# 986

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

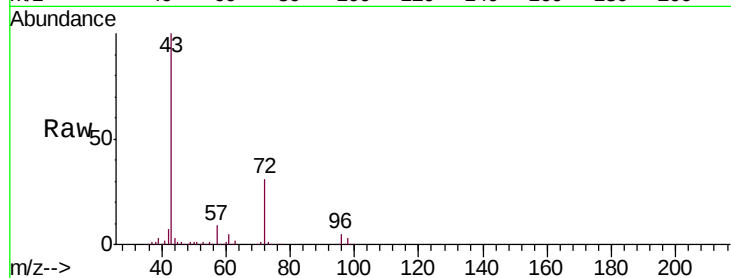
VSTD10044

Tgt Ion: 43 Resp: 485728

Ion Ratio Lower Upper

43 100

72 30.1 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029489.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU029489.D (-970) (-)

4.26

200000

150000

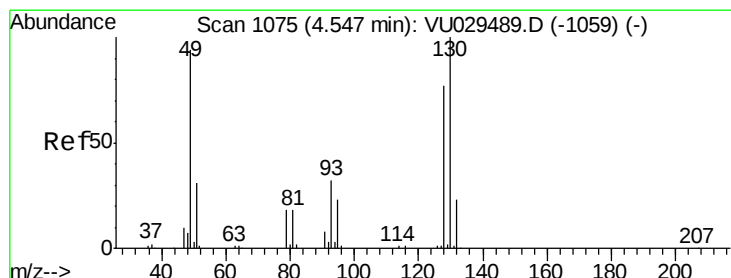
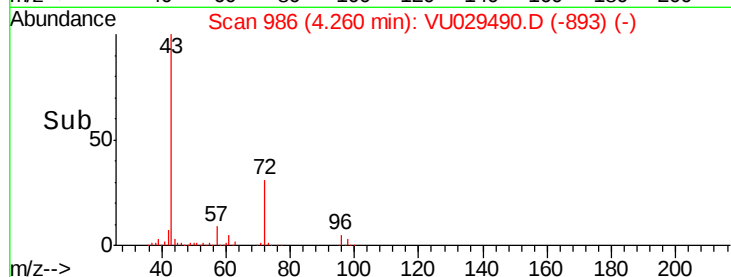
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 106.418 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Tgt Ion: 128 Resp: 173172

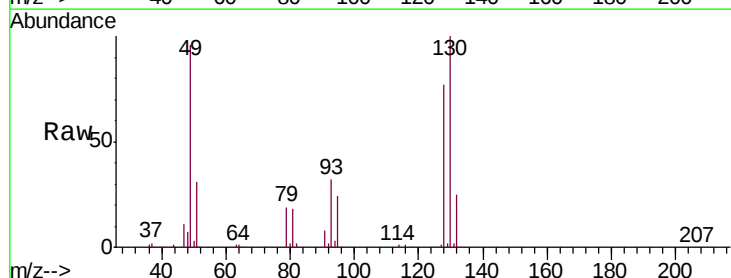
Ion Ratio Lower Upper

128 100

49 124.5 85.9 159.5

130 129.6 91.3 169.5

51 39.8 32.2 48.2



Abundance Ion 128.00 (127.70 to 128.70): VU029489.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029489.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029489.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029489.D (-1059) (-)

150000

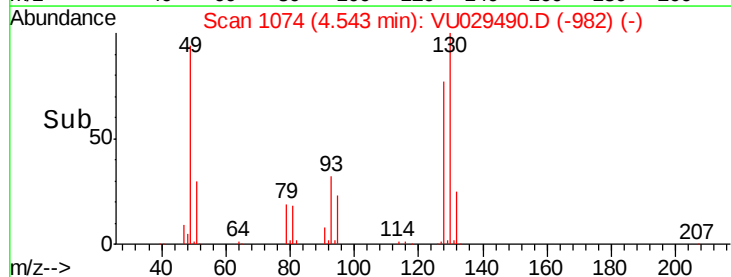
100000

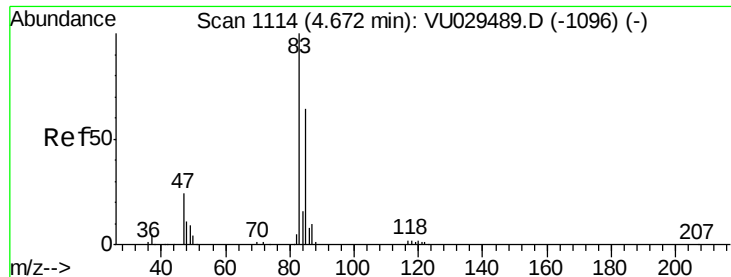
50000

0

4.50 4.60

Time-->





#25

Chloroform

Concen: 94.542 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

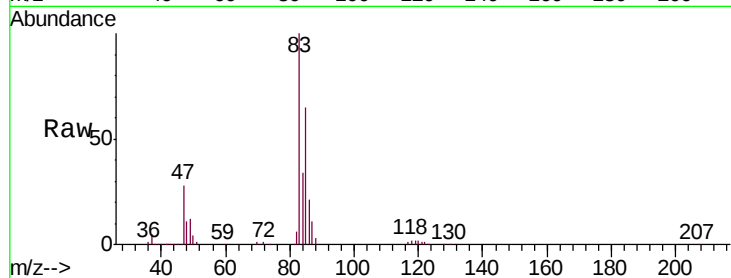
VSTD10044

Tgt Ion: 83 Resp: 511951

Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU029489.D (-1096) (-)

Ion 85.00 (84.70 to 85.70): VU029489.D (-1096) (-)

250000

200000

150000

100000

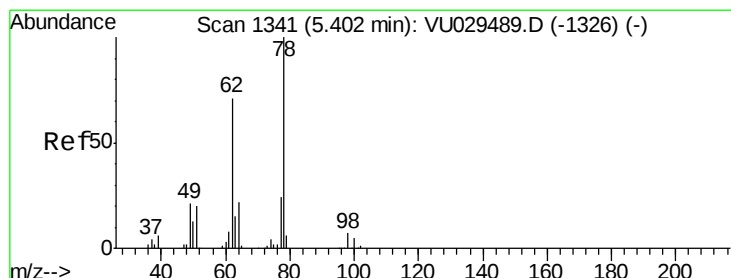
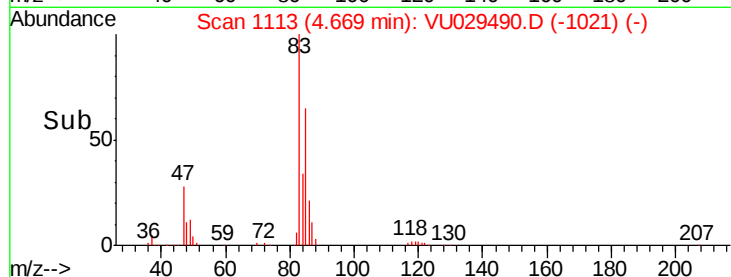
50000

0

4.60 4.70 4.80

4.67

Time-->



#27

1,2-Dichloroethane

Concen: 100.039 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029490.D

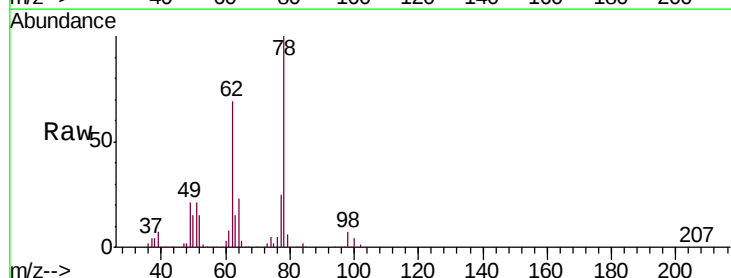
Acq: 15 Feb 2019 11:33

Tgt Ion: 62 Resp: 406018

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU029489.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU029489.D (-1326) (-)

200000

150000

100000

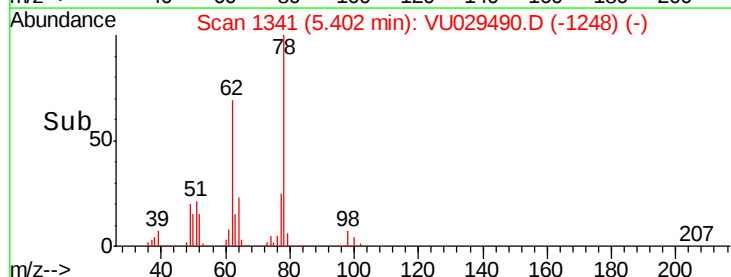
50000

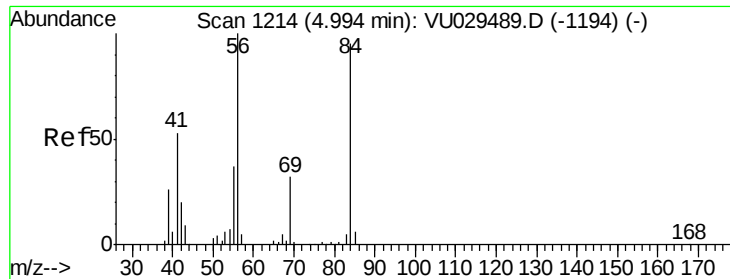
0

5.30 5.35 5.40 5.45 5.50

5.40

Time-->

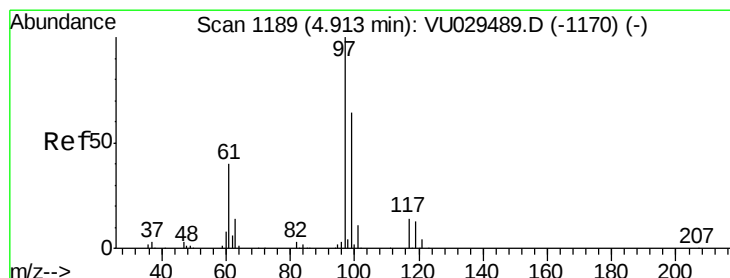
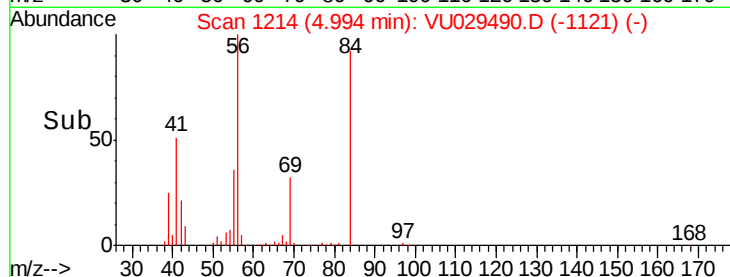
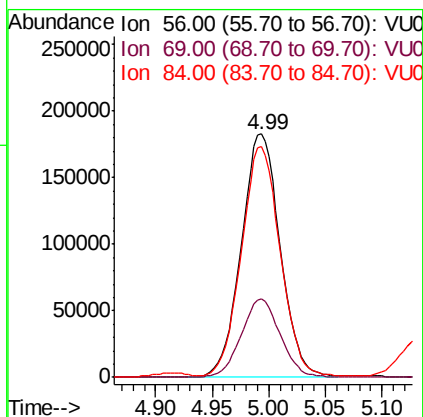
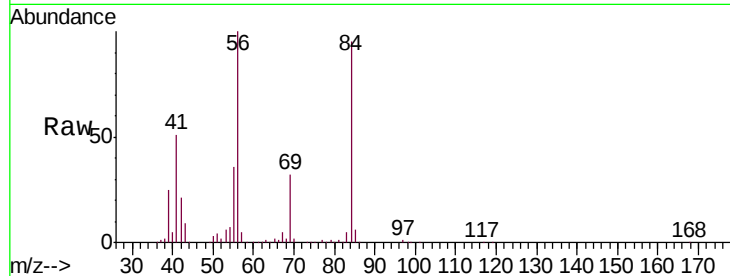




#29
Cyclohexane
Concen: 78.509 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU029490.D
Acq: 15 Feb 2019 11:33

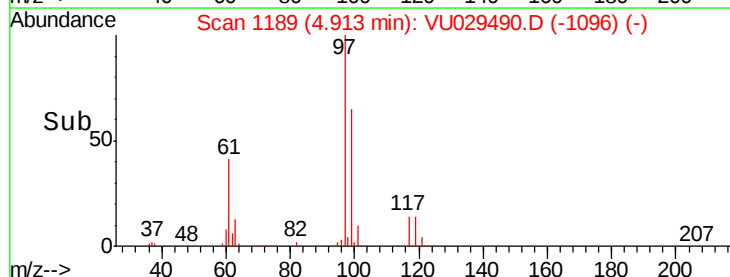
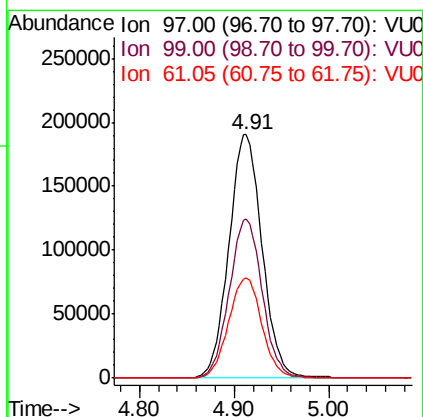
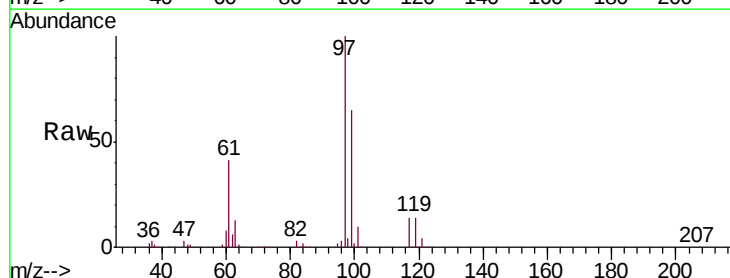
Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

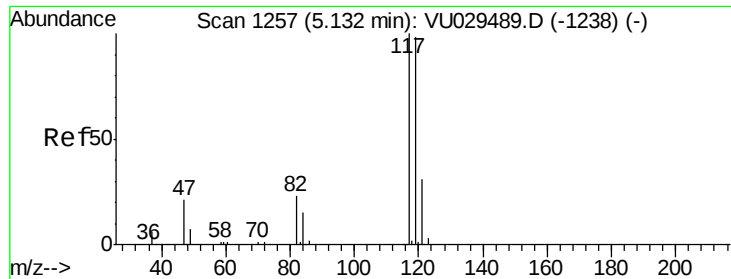
Tgt Ion: 56 Resp: 437980
Ion Ratio Lower Upper
56 100
69 32.2 25.7 38.5
84 93.7 77.1 115.7



#30
1,1,1-Trichloroethane
Concen: 98.887 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU029490.D
Acq: 15 Feb 2019 11:33

Tgt Ion: 97 Resp: 464374
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 41.2 32.3 48.5

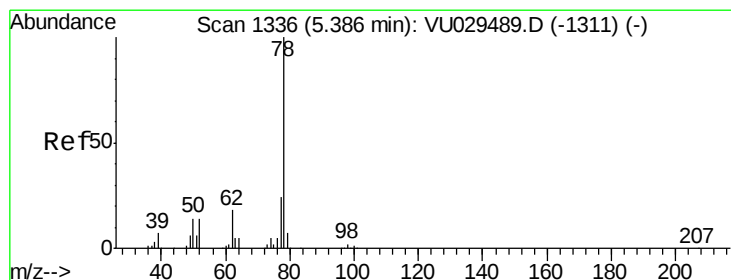
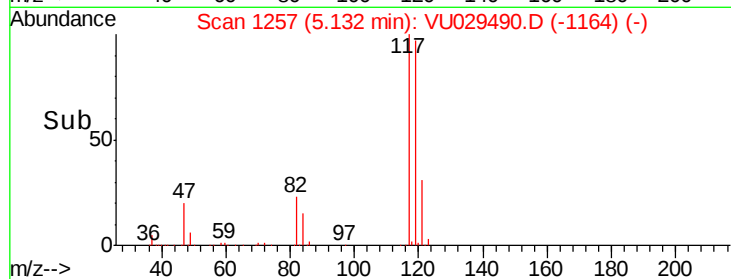
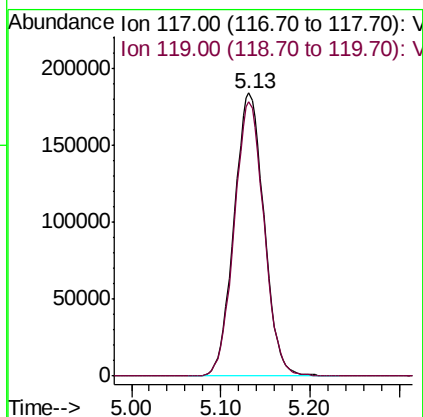
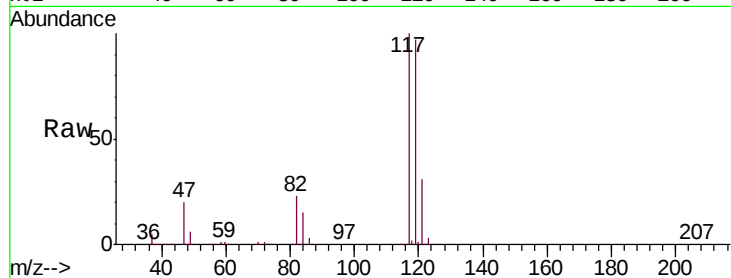




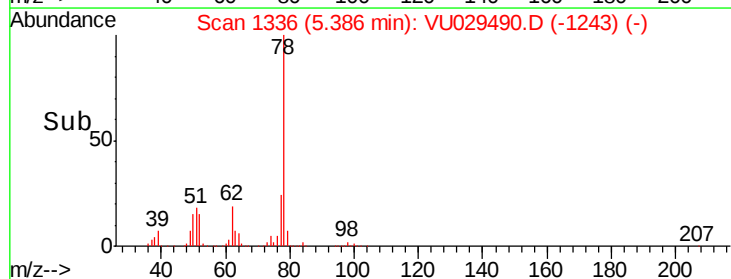
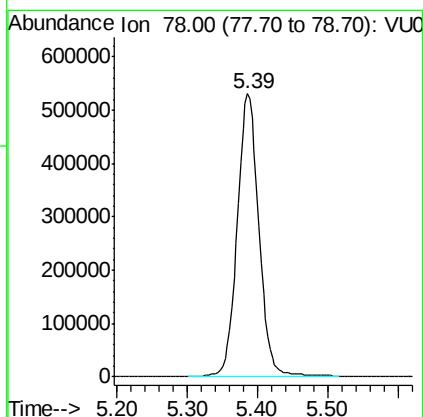
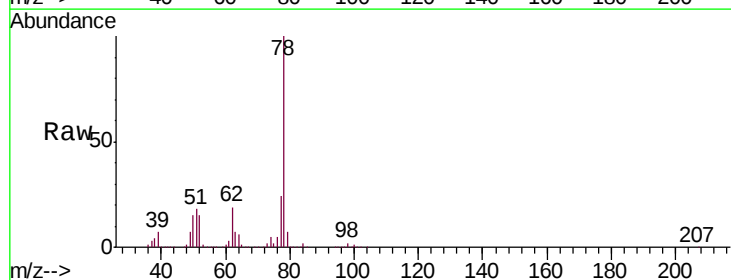
#31
Carbon tetrachloride
Concen: 110.764 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU029490.D
Acq: 15 Feb 2019 11:33

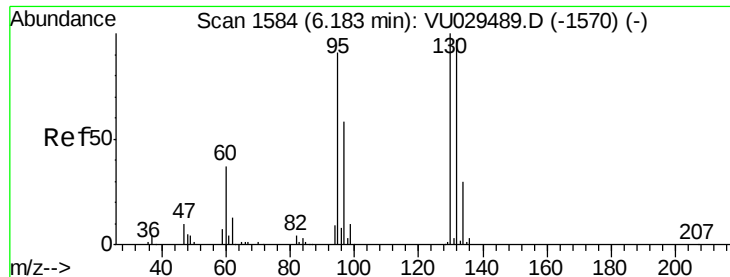
Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

Tgt Ion:117 Resp: 429550
Ion Ratio Lower Upper
117 100
119 96.3 77.8 116.8



#33
Benzene
Concen: 84.174 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029490.D
Acq: 15 Feb 2019 11:33
Tgt Ion: 78 Resp: 1143255





#34

Trichloroethene

Concen: 93.321 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

Tgt Ion: 95 Resp: 313134

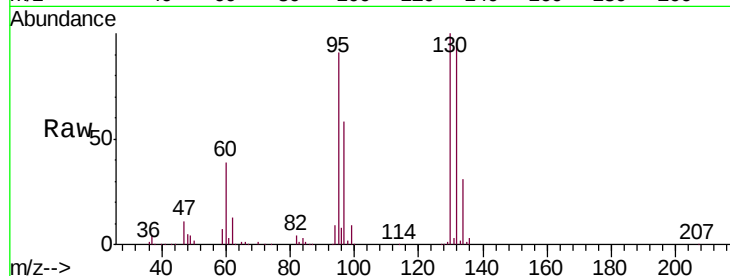
Ion Ratio Lower Upper

95 100

97 63.4 44.6 82.8

132 105.8 74.6 138.6

130 109.7 77.2 143.4

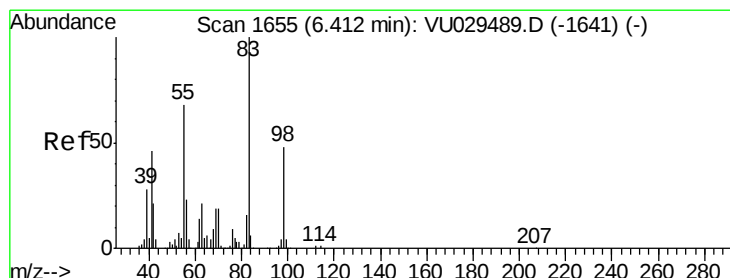
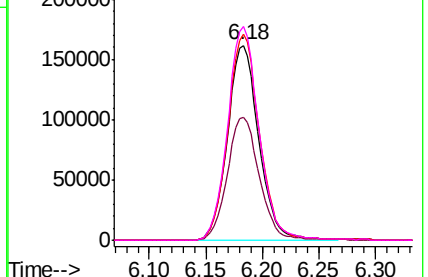
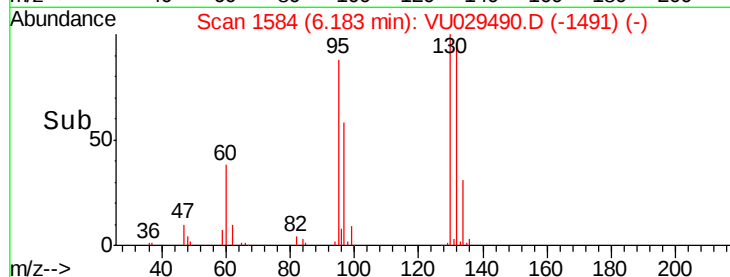


Abundance Ion 95.00 (94.70 to 95.70): VU029489.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU029489.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU029489.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU029489.D (-1570) (-)



#35

Methylcyclohexane

Concen: 91.539 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

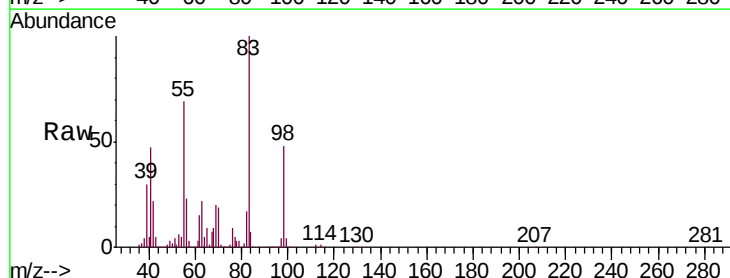
Tgt Ion: 83 Resp: 505918

Ion Ratio Lower Upper

83 100

55 70.1 55.2 82.8

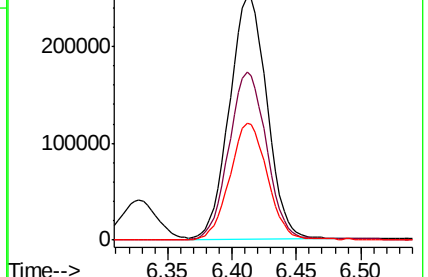
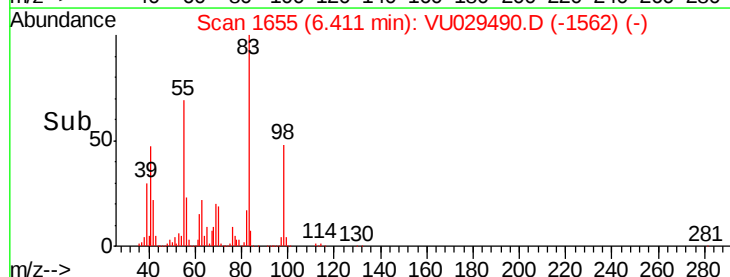
98 48.3 39.4 59.2

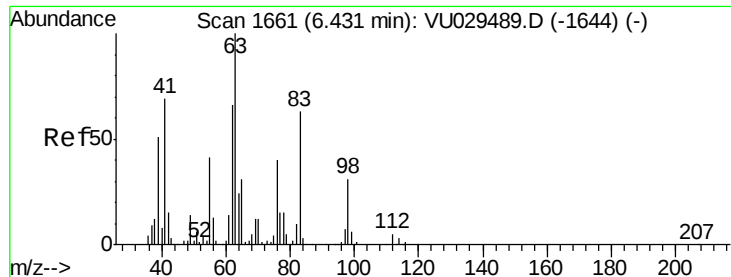


Abundance Ion 83.00 (82.70 to 83.70): VU029489.D (-1641) (-)

Ion 55.00 (54.70 to 55.70): VU029489.D (-1641) (-)

Ion 98.00 (97.70 to 98.70): VU029489.D (-1641) (-)





#37

1,2-Dichloropropane

Concen: 79.644 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

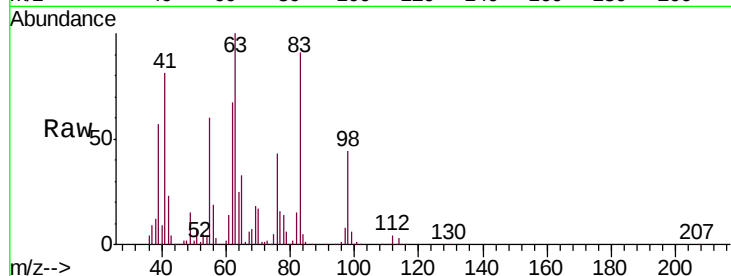
VSTD10044

Tgt Ion: 63 Resp: 299673

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

150000

100000

50000

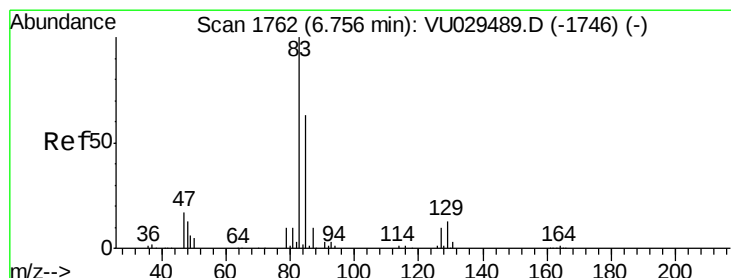
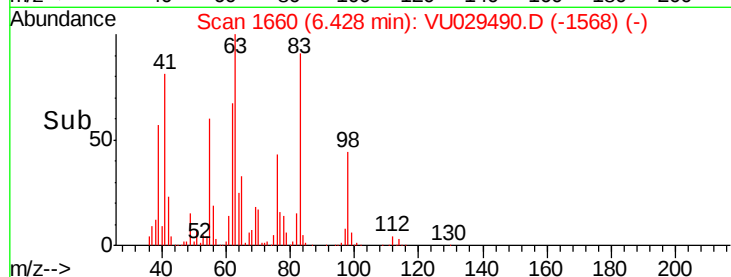
0

6.43

6.40

6.50

Time-->



#38

Bromodichloromethane

Concen: 96.140 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

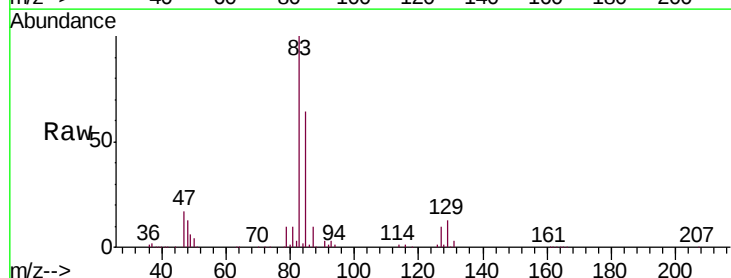
Tgt Ion: 83 Resp: 413208

Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.0

127 9.7 8.3 12.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

300000

250000

200000

150000

100000

50000

0

6.75

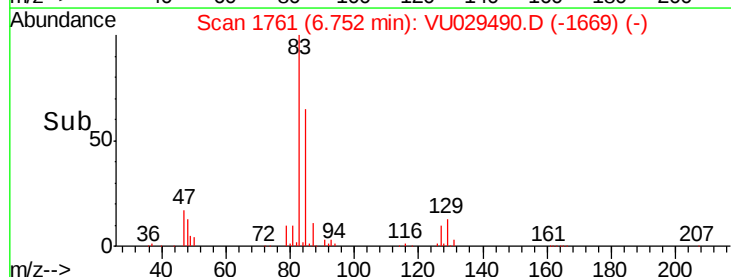
6.65

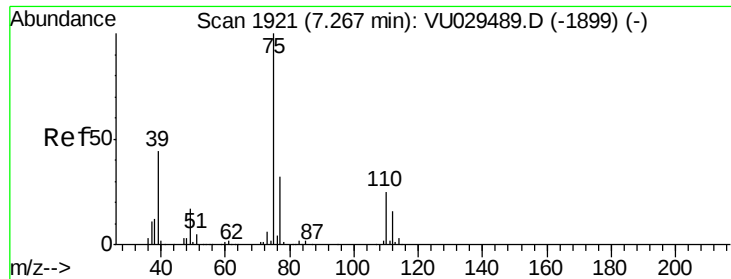
6.70

6.80

6.85

Time-->

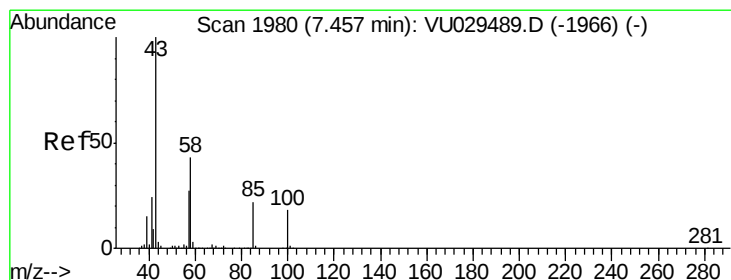
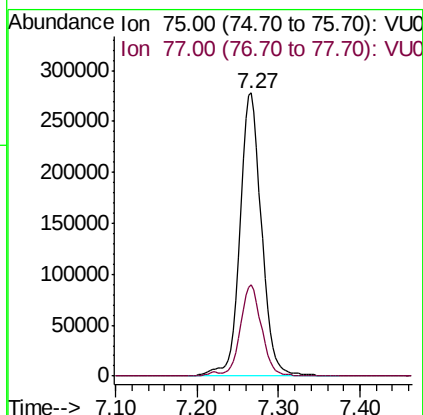
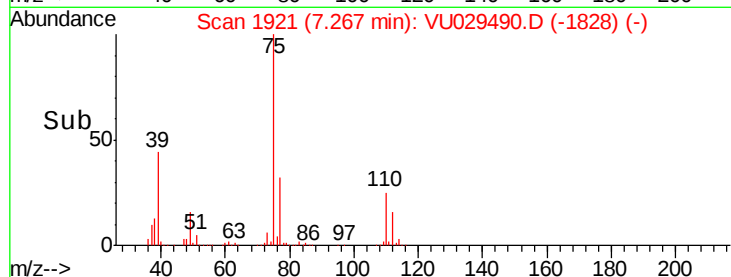
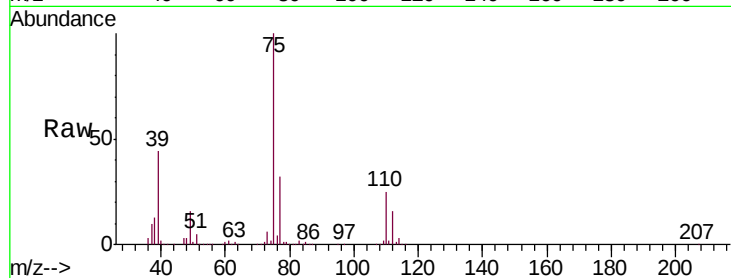




#39
 cis-1,3-Dichloropropene
 Concen: 92.727 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

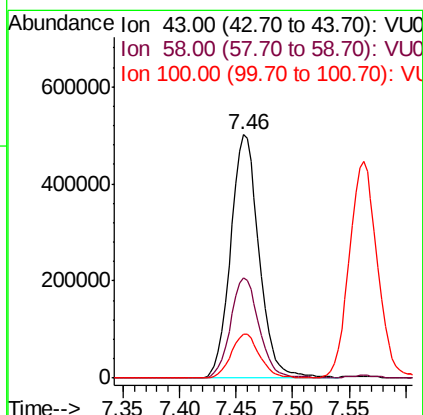
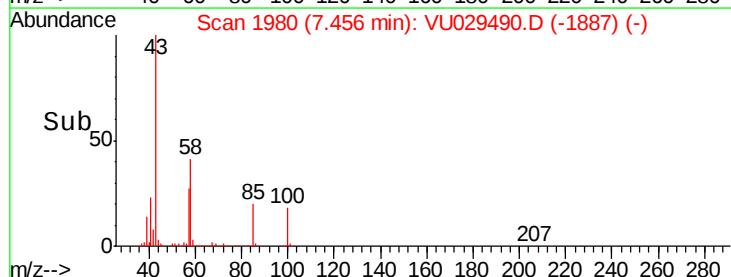
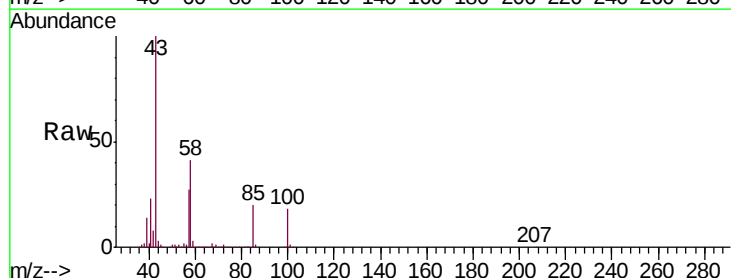
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

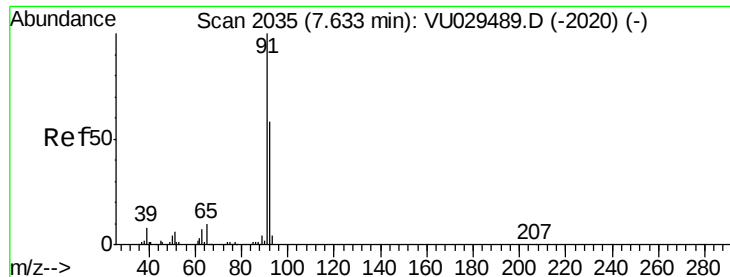
Tgt Ion: 75 Resp: 509774
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 172.829 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

Tgt Ion: 43 Resp: 878053
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.0 49.4
 100 18.2 14.5 21.7





#42

Toluene

Concen: 98.106 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

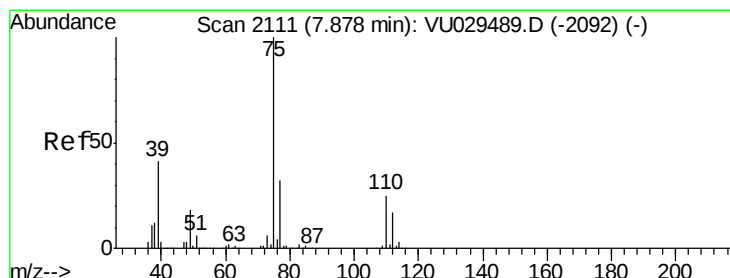
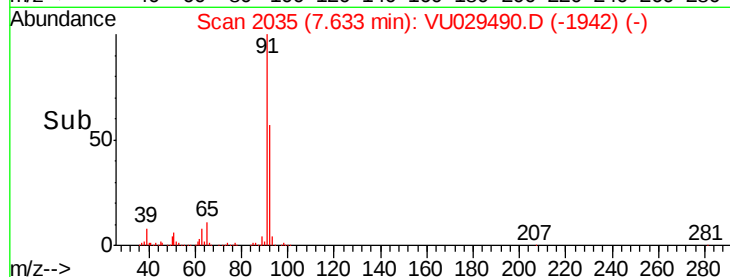
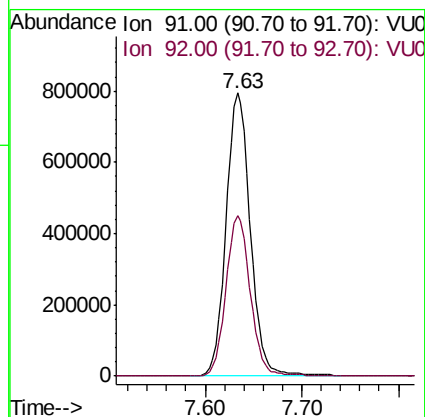
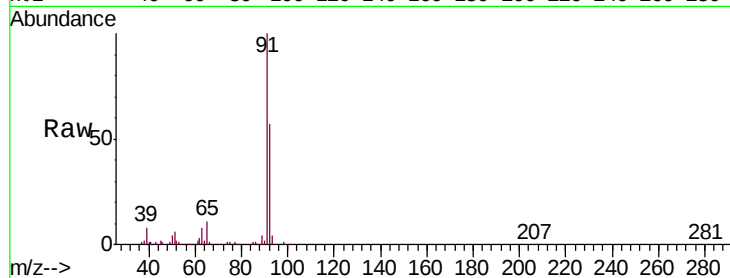
VSTD10044

Tgt Ion: 91 Resp: 1383277

Ion Ratio Lower Upper

91 100

92 56.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 98.568 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU029490.D

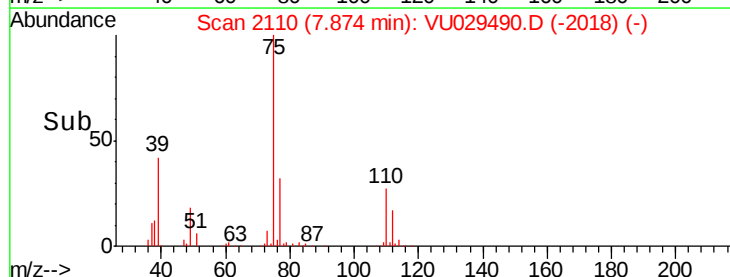
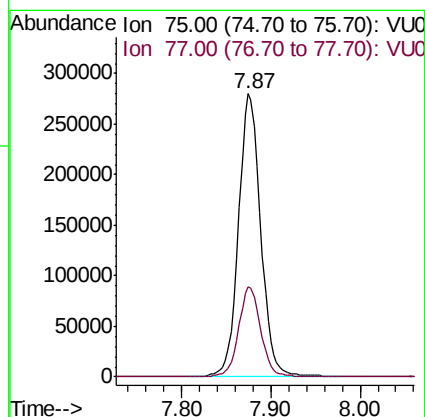
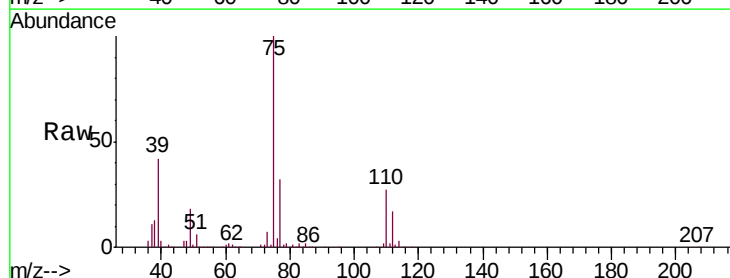
Acq: 15 Feb 2019 11:33

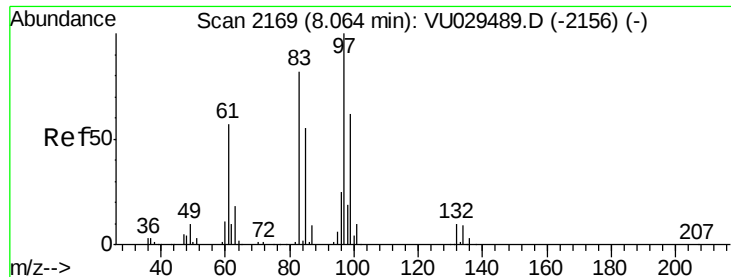
Tgt Ion: 75 Resp: 484488

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1

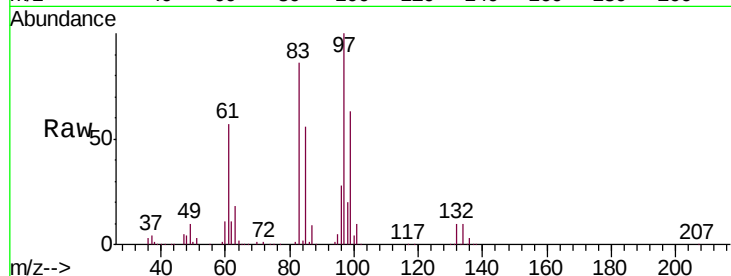




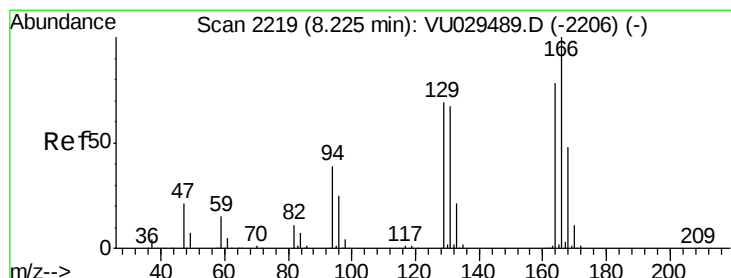
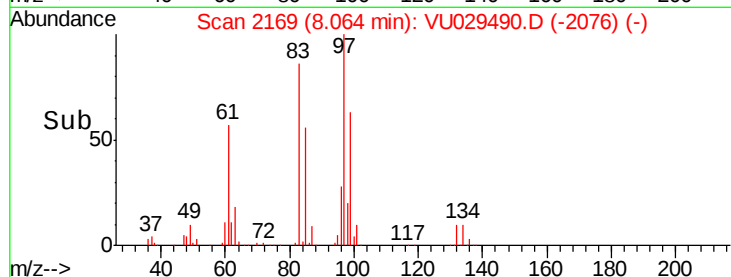
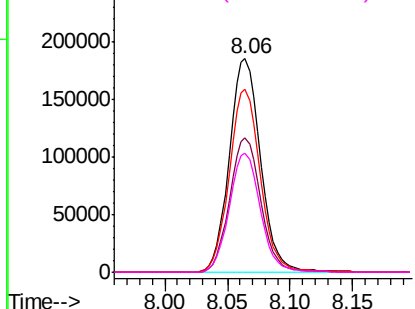
#45
 1,1,2-Trichloroethane
 Concen: 95.970 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

Tgt Ion: 97 Resp: 321411
 Ion Ratio Lower Upper
 97 100
 99 63.2 43.8 81.3
 83 85.5 57.7 107.1
 85 55.8 38.5 71.5

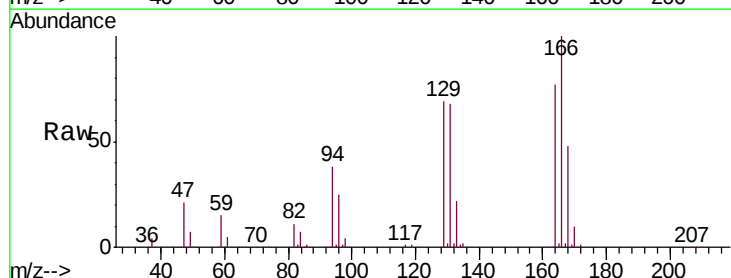


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

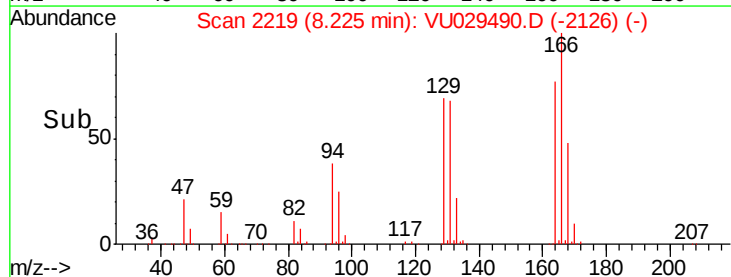
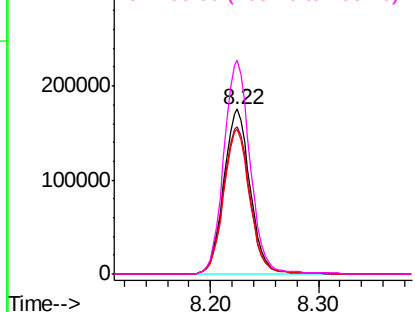


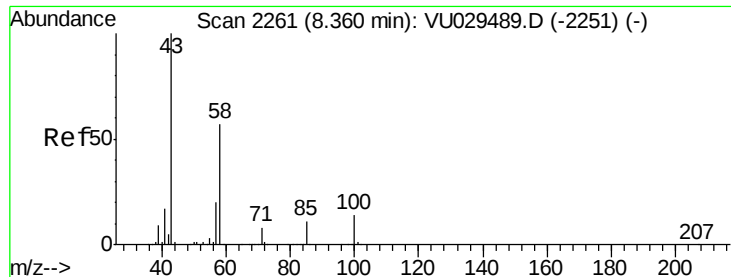
#46
 Tetrachloroethene
 Concen: 110.704 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

Tgt Ion: 164 Resp: 300040
 Ion Ratio Lower Upper
 164 100
 129 89.4 62.1 115.3
 131 87.8 60.1 111.5
 166 129.6 89.7 166.5



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

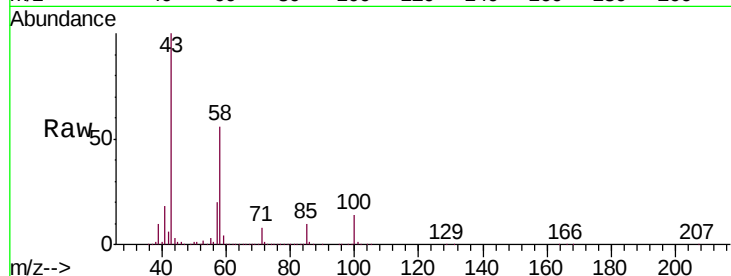




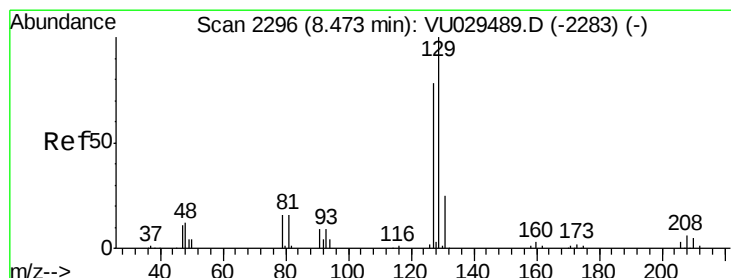
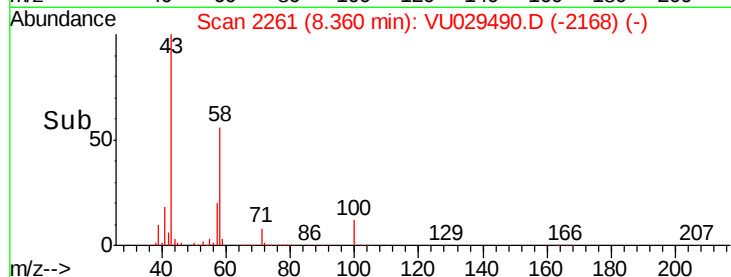
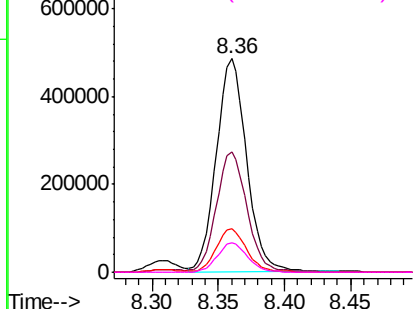
#48
2-Hexanone
Concen: 184.044 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU029490.D
Acq: 15 Feb 2019 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

Tgt Ion:	43	Resp:	772071
Ion	Ratio	Lower	Upper
43	100		
58	57.1	46.4	69.6
57	20.4	15.7	23.5
100	13.7	10.9	16.3

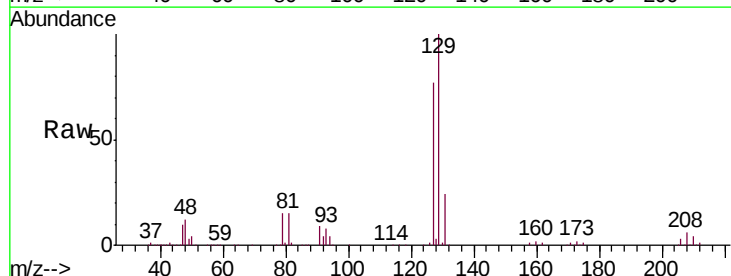


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

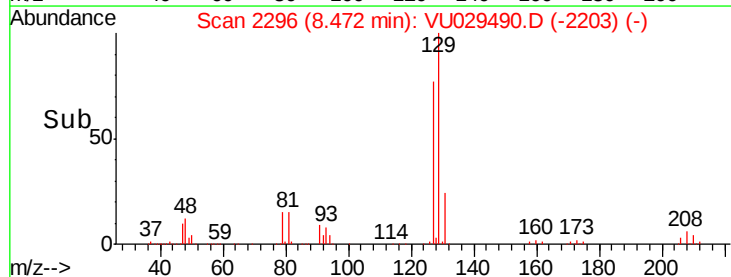
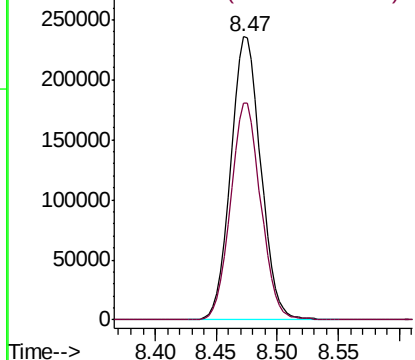


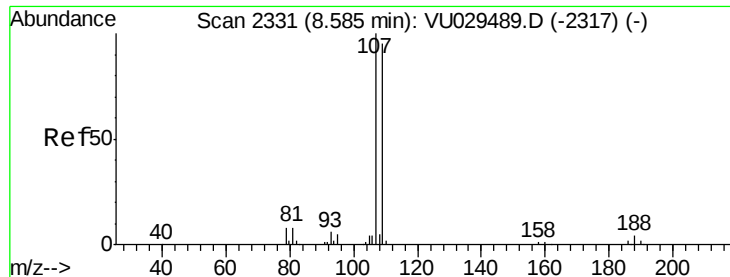
#49
Dibromochloromethane
Concen: 117.332 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029490.D
Acq: 15 Feb 2019 11:33

Tgt Ion:	129	Resp:	406178
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.4	101.0



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





#50

1,2-Dibromoethane

Concen: 103.457 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

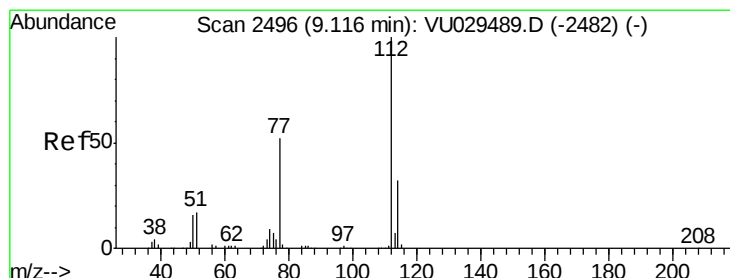
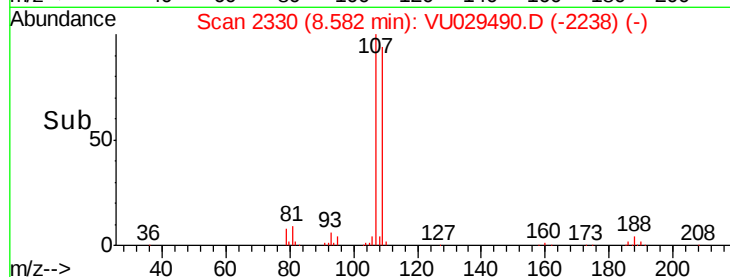
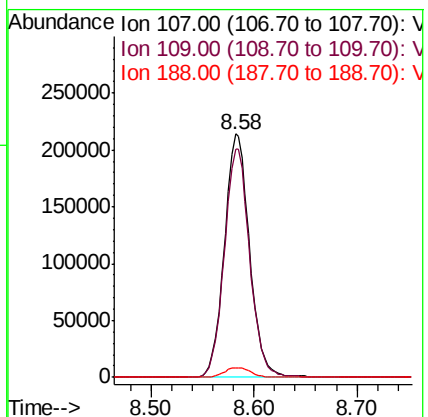
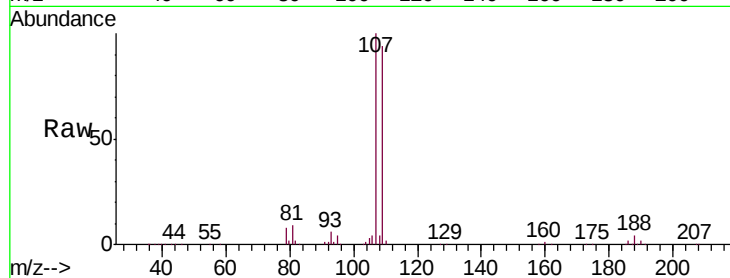
Tgt Ion:107 Resp: 363488

Ion Ratio Lower Upper

107 100

109 93.9 66.4 123.4

188 4.1 3.5 5.3



#51

Chlorobenzene

Concen: 104.844 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

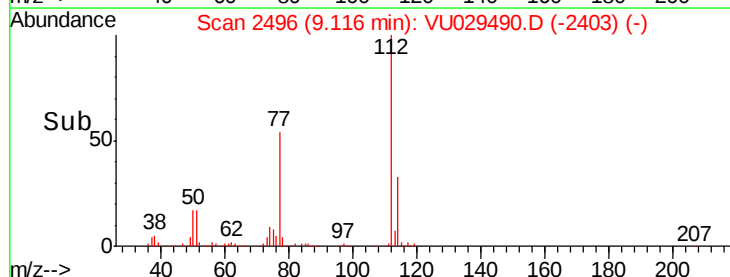
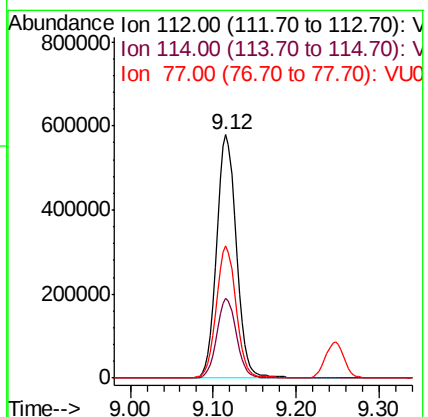
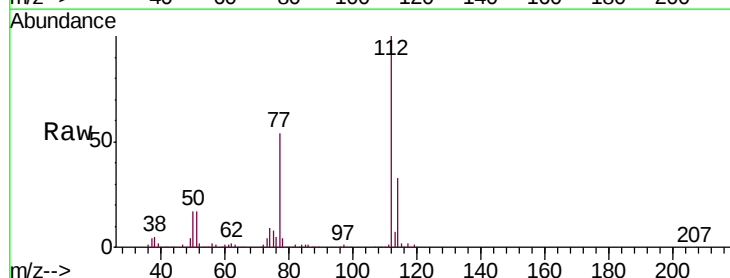
Tgt Ion:112 Resp: 951744

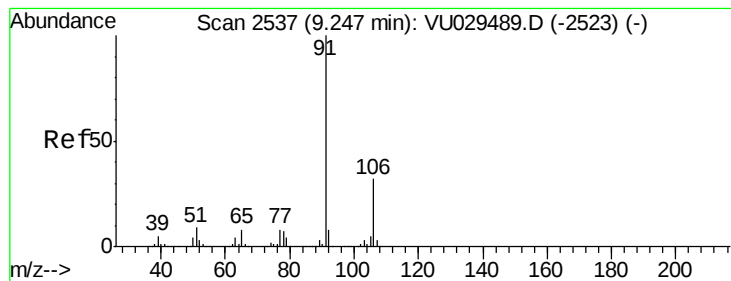
Ion Ratio Lower Upper

112 100

114 32.7 22.7 42.1

77 54.1 42.1 63.1





#52

Ethylbenzene

Concen: 104.504 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

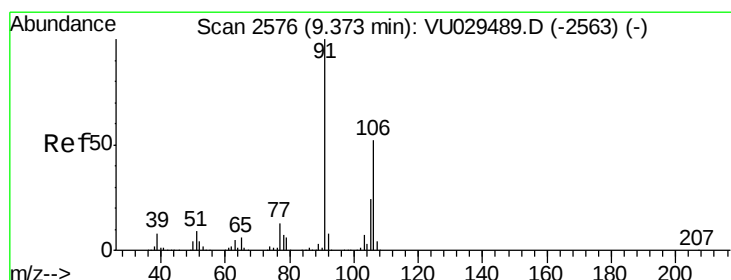
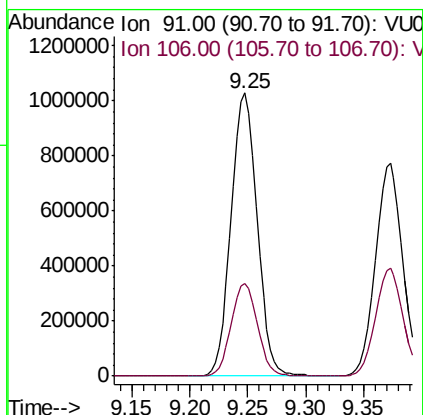
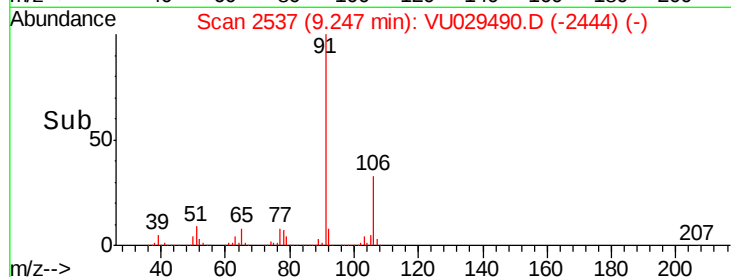
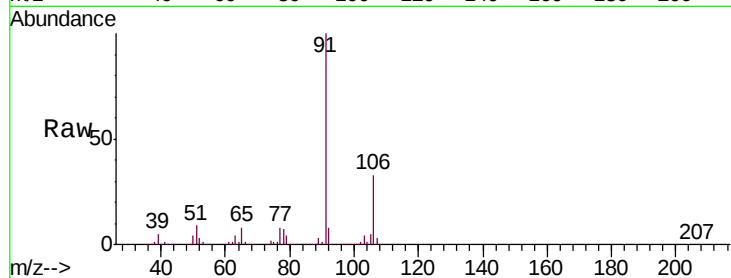
VSTD10044

Tgt Ion: 91 Resp: 1603783

Ion Ratio Lower Upper

91 100

106 32.9 22.7 42.1



#53

m,p-Xylene

Concen: 113.187 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029490.D

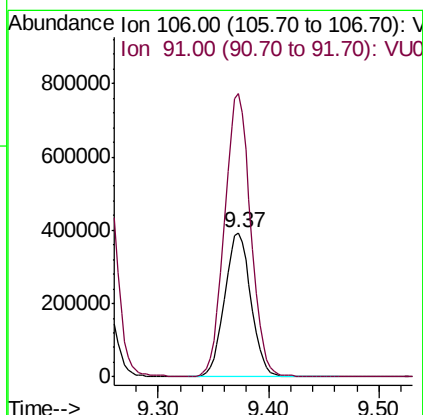
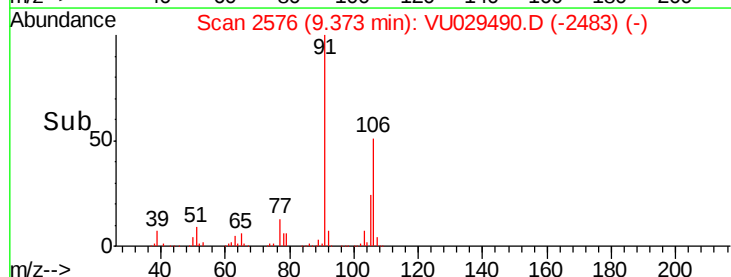
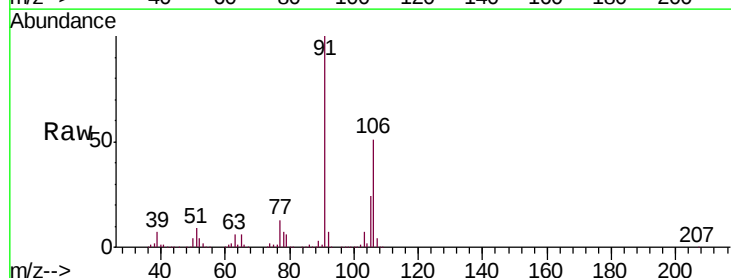
Acq: 15 Feb 2019 11:33

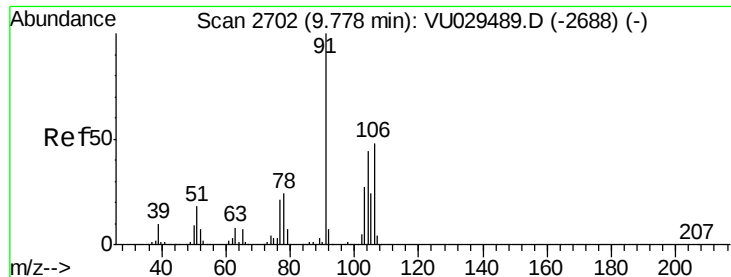
Tgt Ion: 106 Resp: 648821

Ion Ratio Lower Upper

106 100

91 196.7 135.3 251.3





#54

o-xylene

Concen: 112.924 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

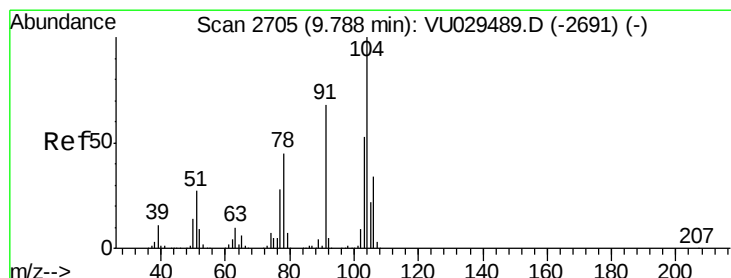
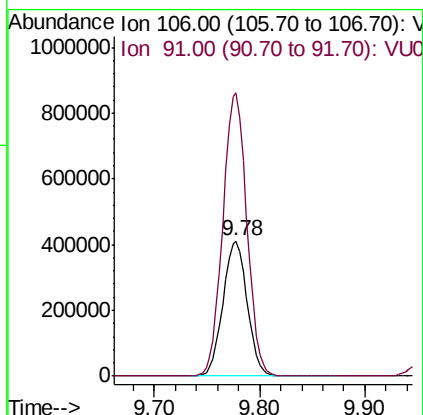
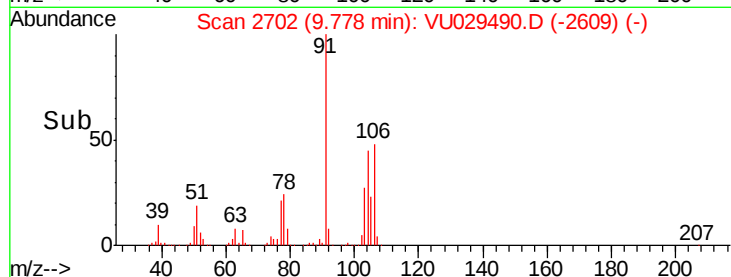
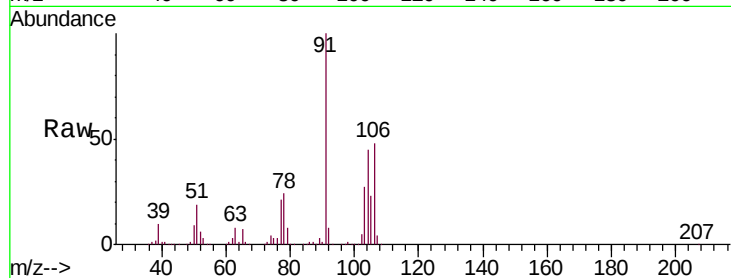
VSTD10044

Tgt Ion:106 Resp: 651024

Ion Ratio Lower Upper

106 100

91 209.0 144.5 268.3



#55

Styrene

Concen: 117.028 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029490.D

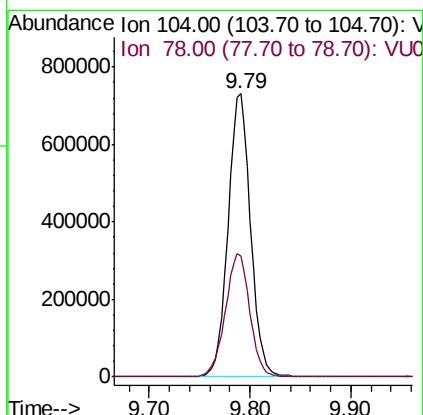
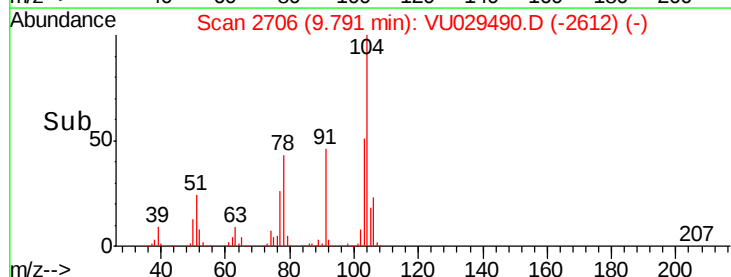
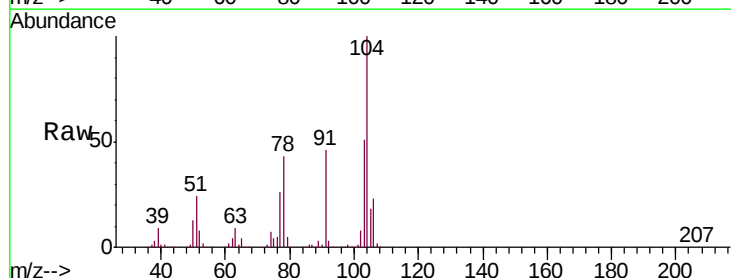
Acq: 15 Feb 2019 11:33

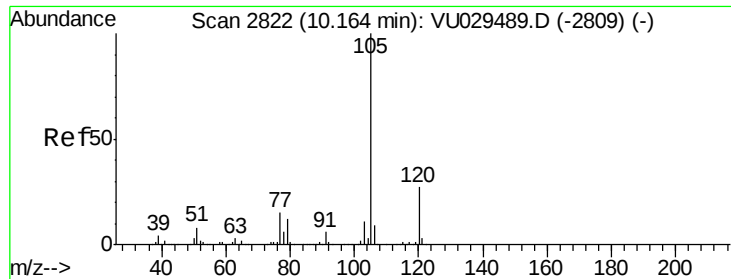
Tgt Ion:104 Resp: 1139513

Ion Ratio Lower Upper

104 100

78 42.6 31.3 58.1





#56

Isopropylbenzene

Concen: 116.778 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

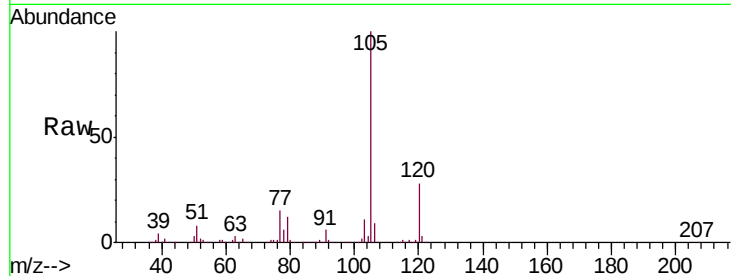
Tgt Ion:105 Resp: 1720506

Ion Ratio Lower Upper

105 100

120 27.6 21.9 32.9

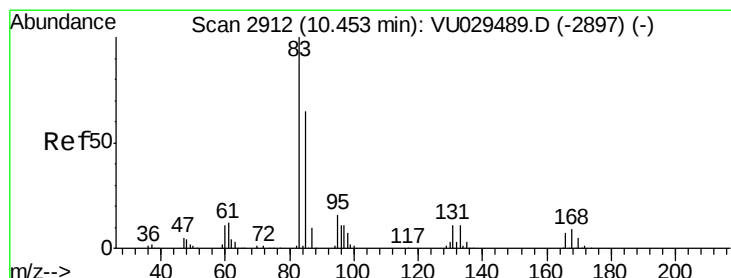
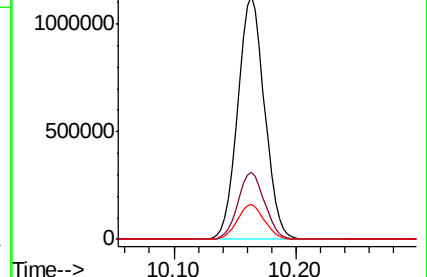
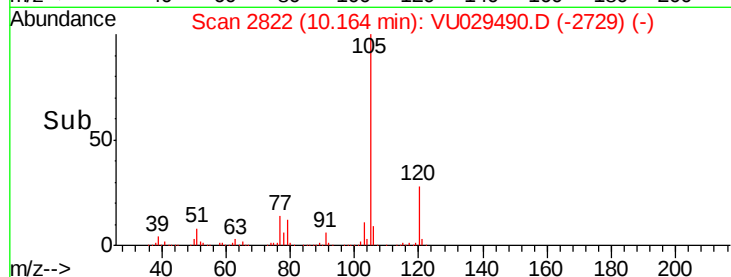
77 14.7 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 97.310 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

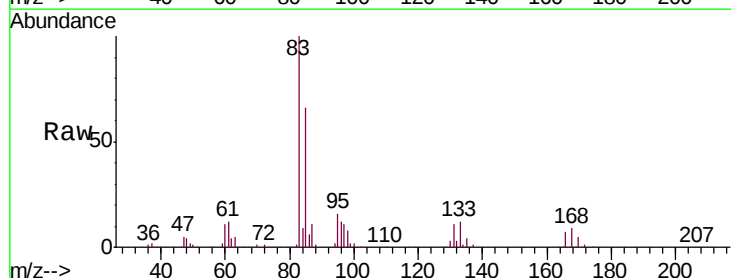
Tgt Ion: 83 Resp: 587288

Ion Ratio Lower Upper

83 100

85 65.7 45.5 84.5

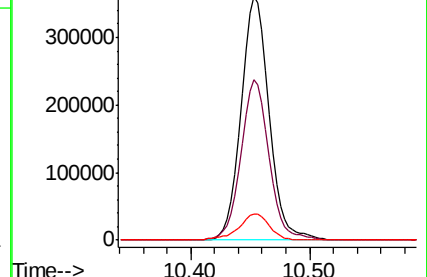
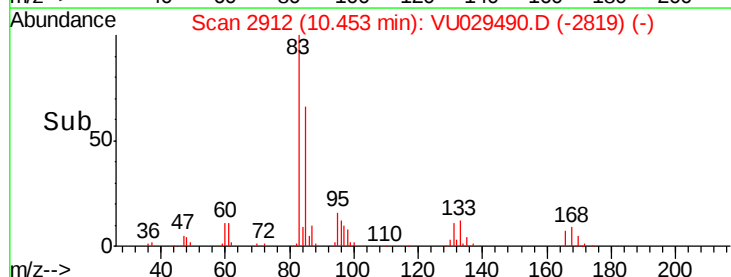
131 10.8 8.6 12.8

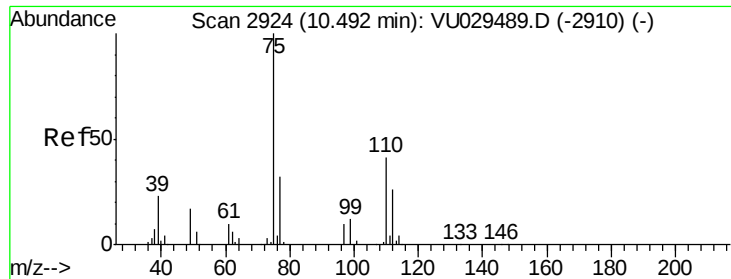


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

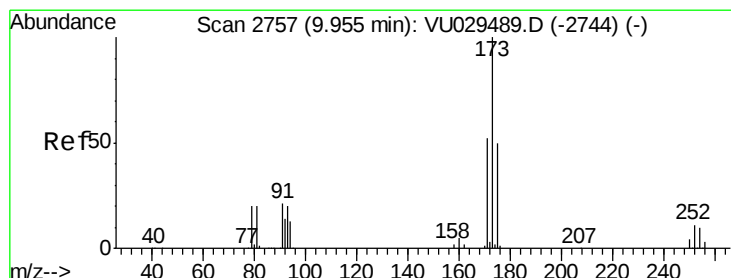
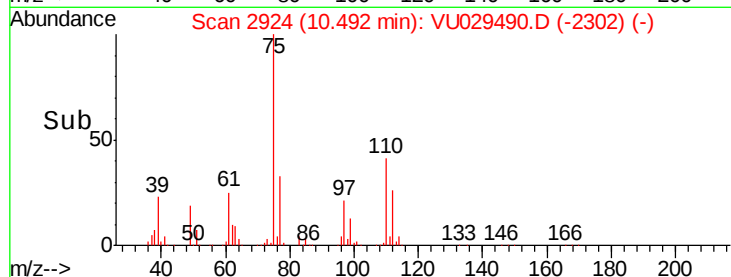
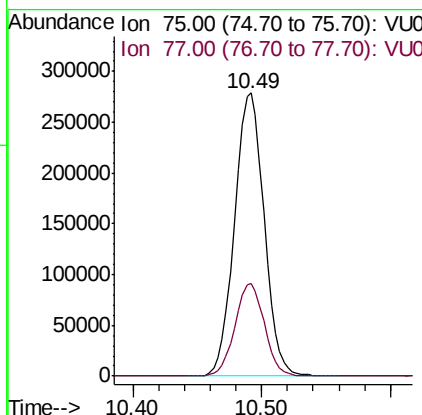
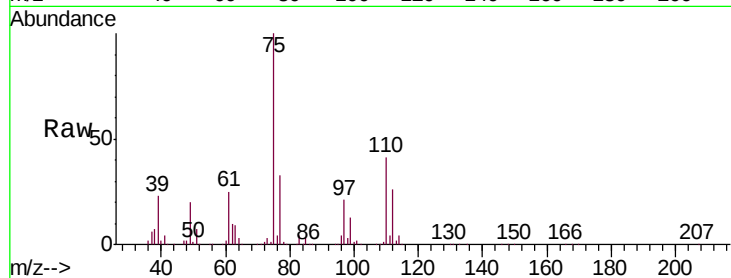




#59
 1,2,3-Trichloropropane
 Concen: 95.962 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

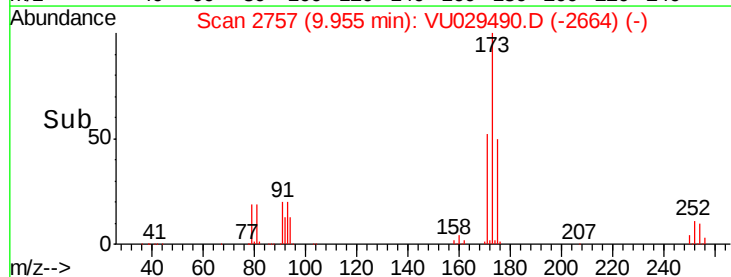
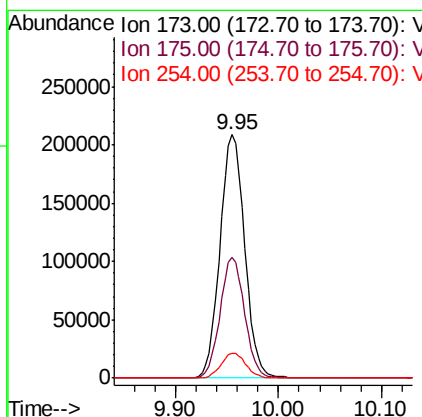
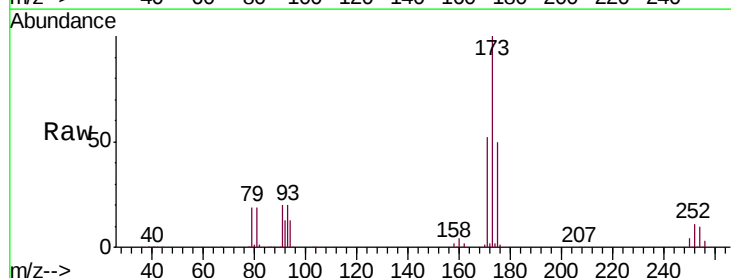
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

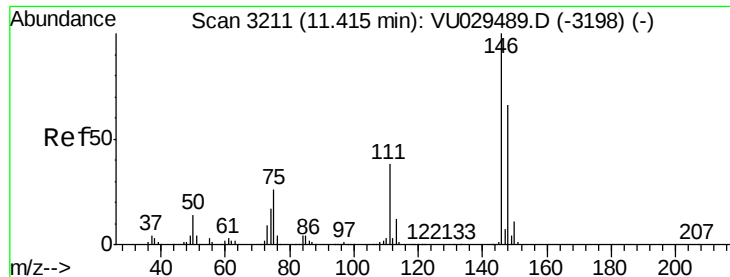
Tgt Ion: 75 Resp: 444800
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.7 38.5



#61
 Bromoform
 Concen: 111.430 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

Tgt Ion: 173 Resp: 348352
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.0 58.4
 254 10.3 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 103.164 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

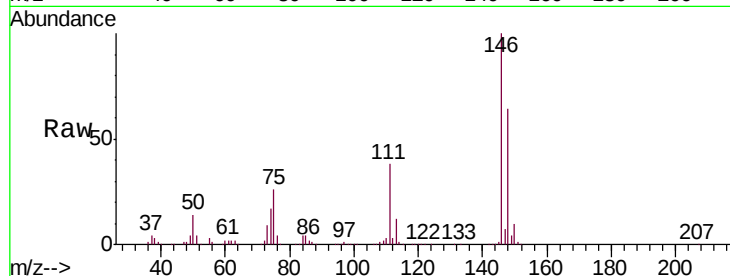
Tgt Ion:146 Resp: 817425

Ion Ratio Lower Upper

146 100

111 37.8 26.7 49.5

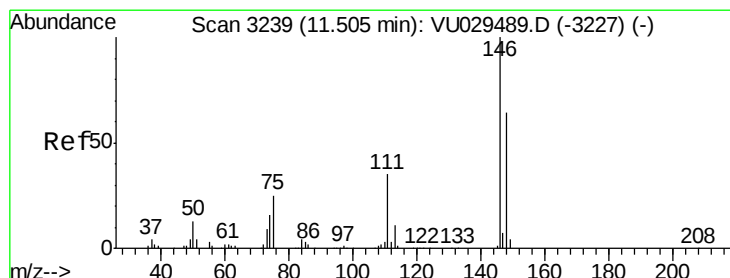
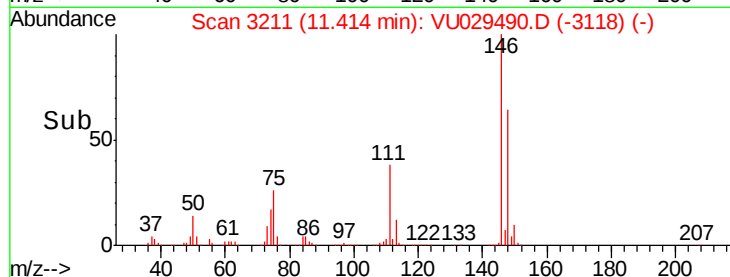
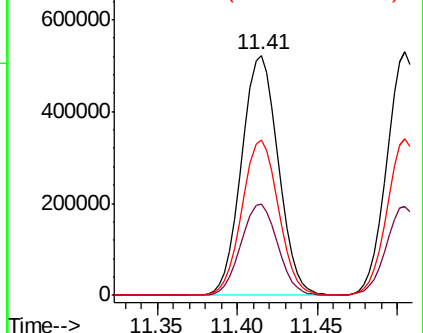
148 64.5 45.9 85.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 100.965 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

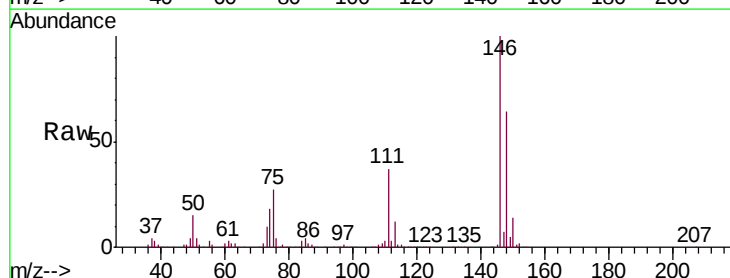
Tgt Ion:146 Resp: 822009

Ion Ratio Lower Upper

146 100

111 36.7 25.1 46.5

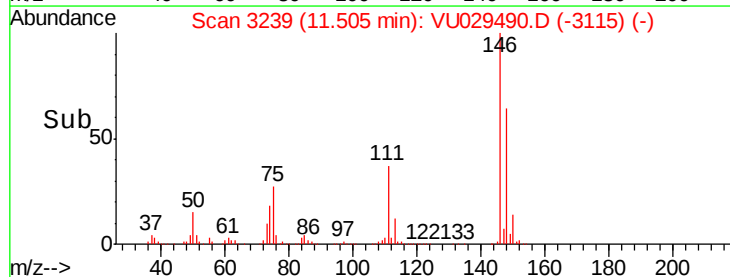
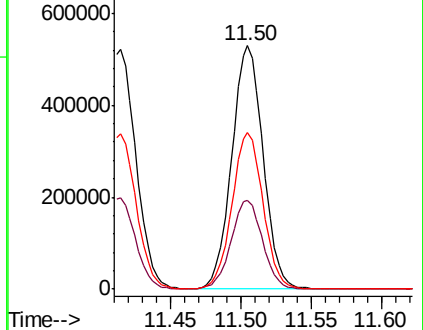
148 64.3 45.0 83.6

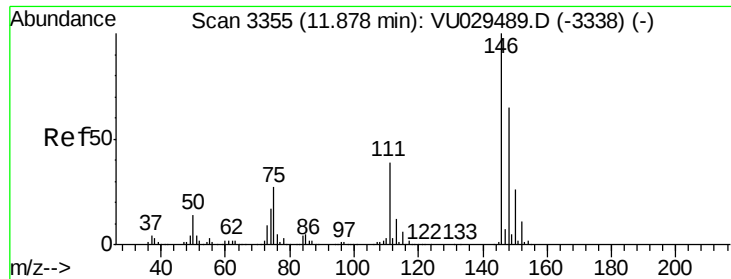


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

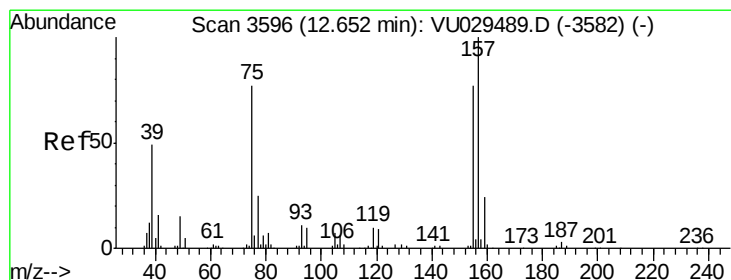
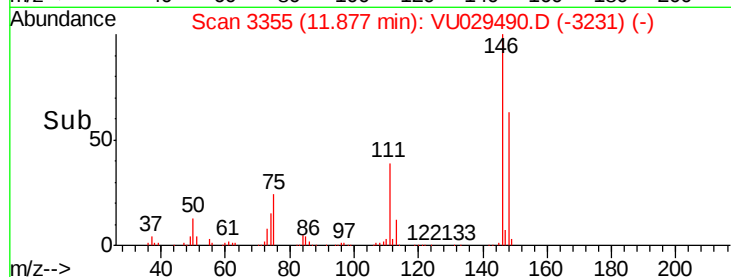
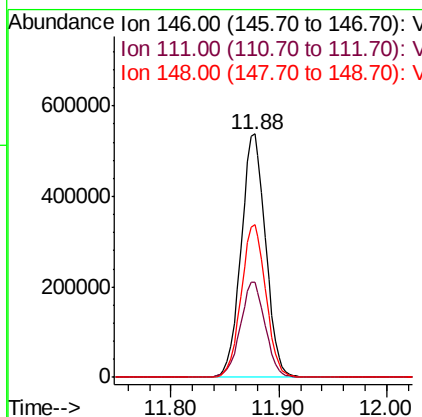
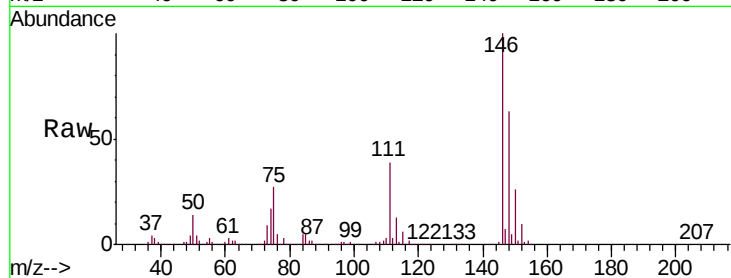




#65
 1,2-Dichlorobenzene
 Concen: 103.215 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

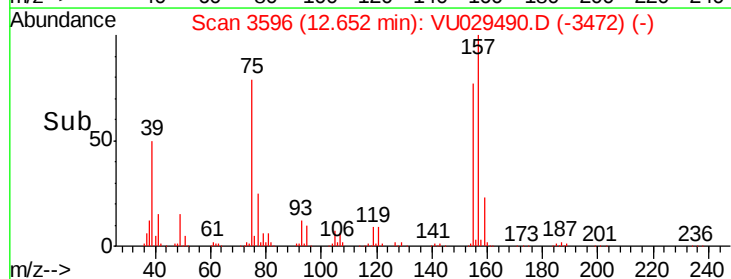
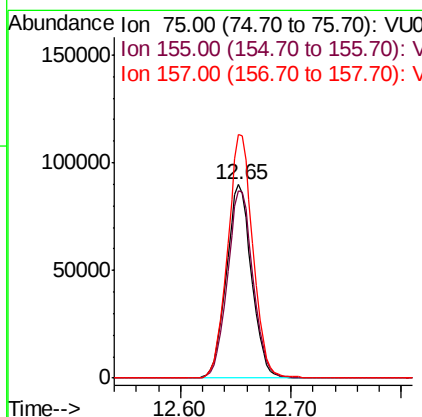
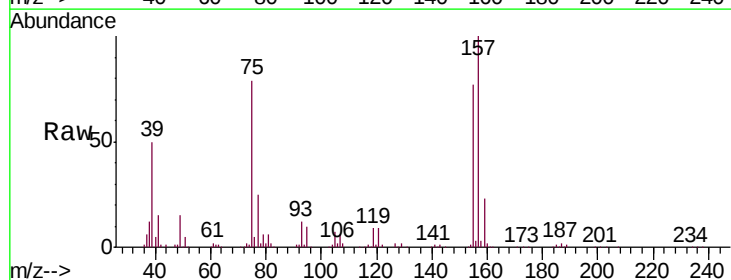
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

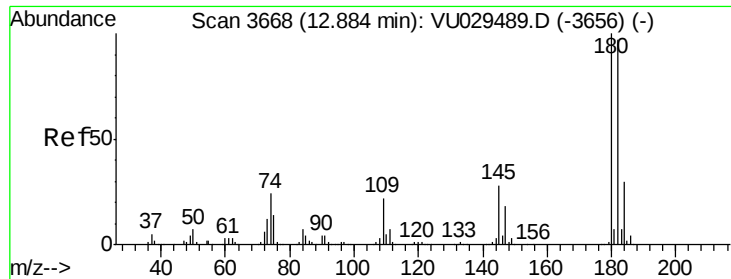
Tgt Ion:146 Resp: 848709
 Ion Ratio Lower Upper
 146 100
 111 38.9 31.2 46.8
 148 62.9 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 101.265 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

Tgt Ion: 75 Resp: 142298
 Ion Ratio Lower Upper
 75 100
 155 96.9 79.5 119.3
 157 126.0 103.4 155.0

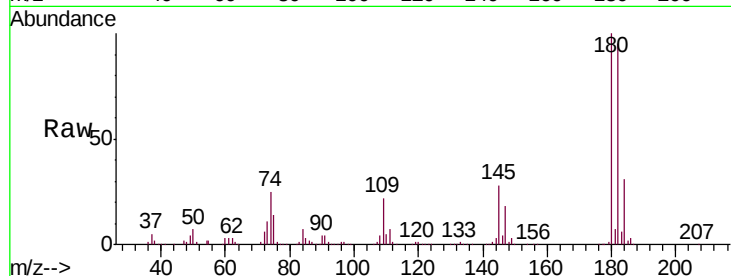




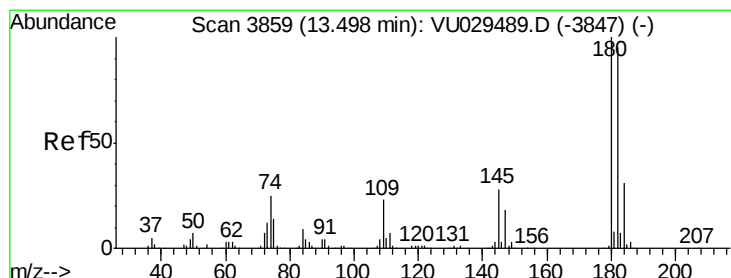
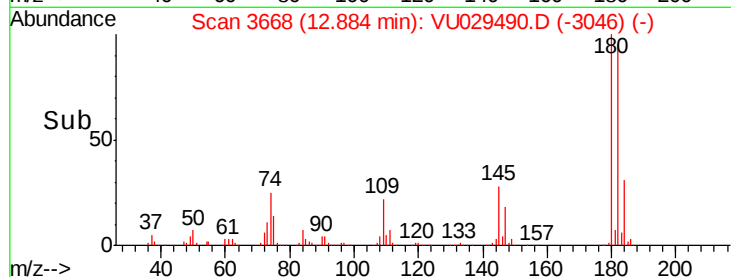
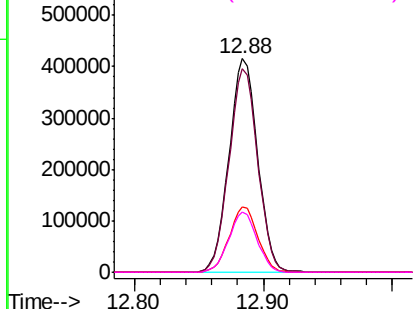
#67
 1,3,5-Trichlorobenzene
 Concen: 109.120 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.9	116.9
184	30.4	24.5	36.7
145	27.8	22.4	33.6

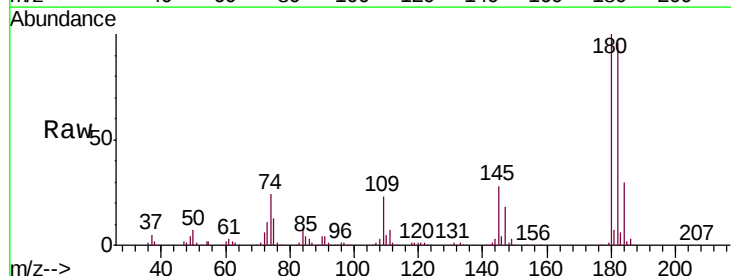


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

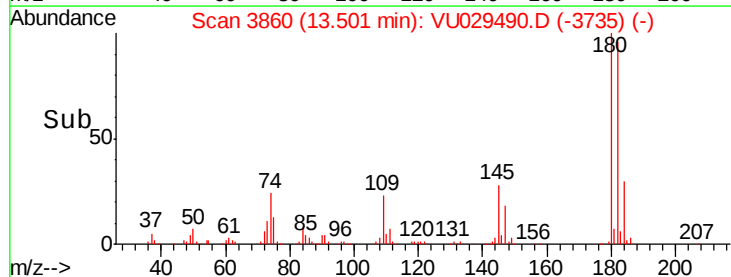
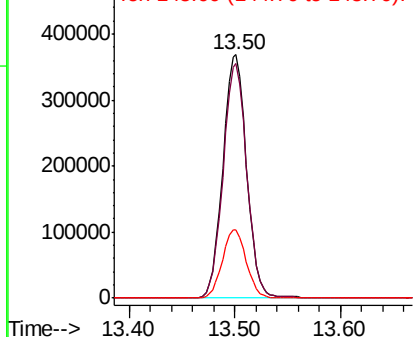


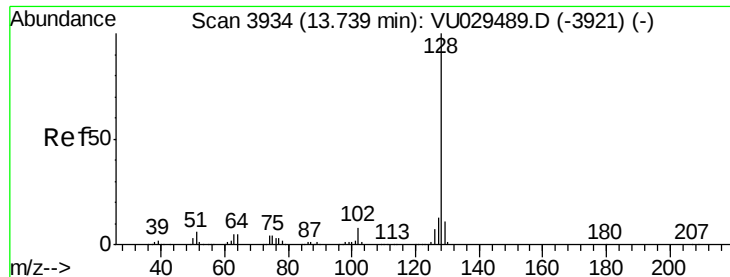
#68
 1,2,4-trichlorobenzene
 Concen: 115.887 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029490.D
 Acq: 15 Feb 2019 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.2
145	28.3	22.7	34.1



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





#69

Naphthalene

Concen: 109.342 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

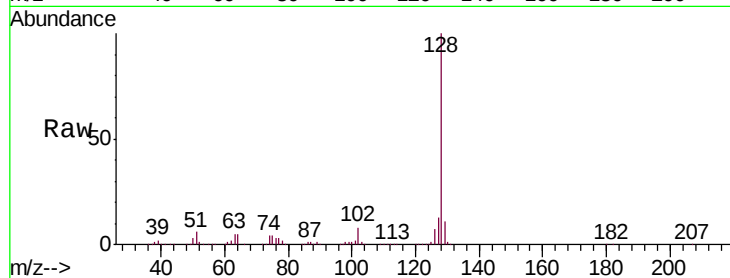
Tgt Ion:128 Resp: 1846811

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

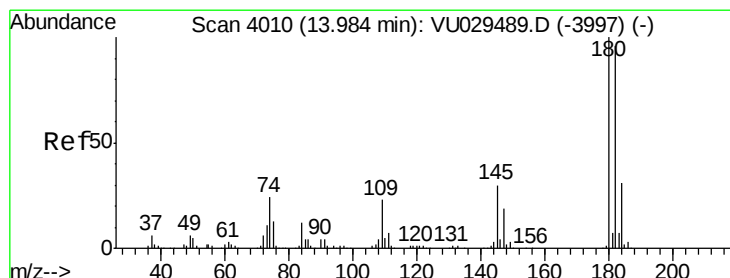
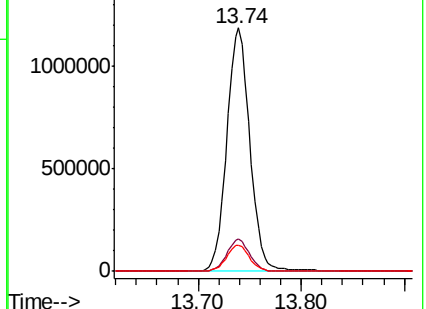
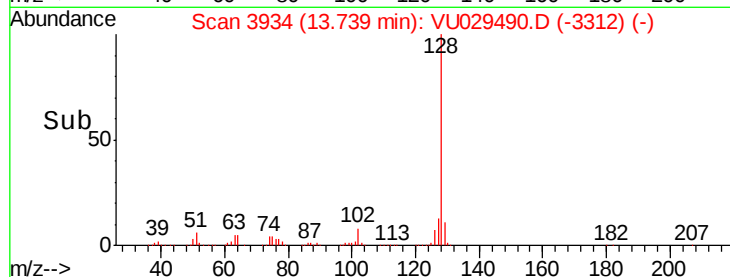
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 112.791 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029490.D

Acq: 15 Feb 2019 11:33

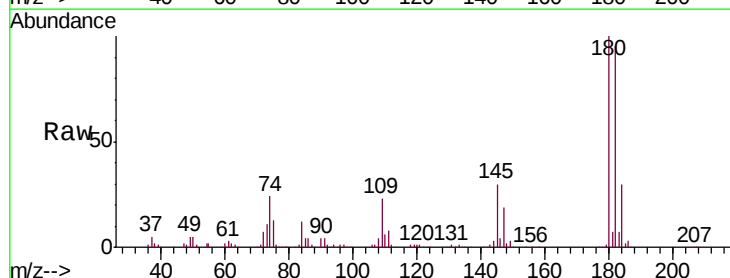
Tgt Ion:180 Resp: 598750

Ion Ratio Lower Upper

180 100

182 94.2 76.8 115.2

145 30.1 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

