

Data File : VU033054.D
Acq On : 27 Jun 2019 10:05
Operator : JC/SP
Sample : VSTD00102
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Quant Time: Jun 28 01:35:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 28 01:32:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	89743	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	90203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	46732	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	5896	0.99	ug/L	0.00
7) Chloroethane-d5	1.68	69	4761	0.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	13062	1.01	ug/L	0.00
20) 2-Butanone-d5	4.20	46	17673	9.75	ug/L	0.01
24) Chloroform-d	4.64	84	12319	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	7101	1.00	ug/L	0.00
32) Benzene-d6	5.33	84	21689	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	7509	1.03	ug/L	0.00
41) Toluene-d8	7.56	98	20432	0.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2763	0.91	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	10315	8.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	6111	0.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	8726	0.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	9638	1.043 ug/L	98
3) Chloromethane	1.32	50	9231	1.061 ug/L	97
5) Vinyl chloride	1.40	62	9216	1.050 ug/L	96
6) Bromomethane	1.63	94	4730	1.028 ug/L	99
8) Chloroethane	1.70	64	5439	1.069 ug/L	89
9) Trichlorofluoromethane	1.88	101	12579	1.011 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	6488	1.008 ug/L	98
12) 1,1-Dichloroethene	2.28	96	6113	1.023 ug/L	95
13) Acetone	2.33	43	17116	11.200 ug/L	99
14) Carbon disulfide	2.47	76	20440	1.028 ug/L	96
15) Methyl Acetate	2.62	43	3790	1.072 ug/L	99
16) Methylene chloride	2.69	84	7246	1.058 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	17255	1.030 ug/L	95
18) trans-1,2-Dichloroethene	2.97	96	6997	1.070 ug/L	98
19) 1,1-Dichloroethane	3.43	63	13259	1.032 ug/L	97
21) 2-Butanone	4.28	43	22490	10.455 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	7202	1.014 ug/L	100
23) Bromochloromethane	4.54	128	3407	1.081 ug/L	96
25) Chloroform	4.67	83	13999	1.072 ug/L	96
27) 1,2-Dichloroethane	5.40	62	9072	1.014 ug/L	96
29) 1,1,1-Trichloroethane	4.90	97	12374	1.080 ug/L	99
30) Cyclohexane	4.98	56	10319	0.972 ug/L	97
31) Carbon tetrachloride	5.13	117	10985	1.054 ug/L	98
33) Benzene	5.38	78	27081	1.018 ug/L	100
34) Trichloroethene	6.18	95	7670	1.053 ug/L	93
35) Methylcyclohexane	6.40	83	10784	0.995 ug/L	98
37) 1,2-Dichloropropane	6.43	63	6852	0.961 ug/L	# 94
38) Bromodichloromethane	6.75	83	9688	1.030 ug/L	# 99
39) cis-1,3-Dichloropropene	7.27	75	10725	1.031 ug/L	92
40) 4-Methyl-2-pentanone	7.46	43	48449	9.856 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	28214	0.993	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	8458	0.998	ug/L	96
45) 1,1,2-Trichloroethane	8.06	97	5271	1.054	ug/L	98
47) Tetrachloroethene	8.22	164	5894	1.006	ug/L	90
48) 2-Hexanone	8.36	43	33978	9.660	ug/L	97
49) Dibromochloromethane	8.47	129	6382	1.006	ug/L	98
50) 1,2-Dibromoethane	8.58	107	4809	0.986	ug/L #	95
51) Chlorobenzene	9.11	112	20256	1.079	ug/L	93
52) Ethylbenzene	9.24	91	30775	0.984	ug/L	99
53) m,p-Xylene	9.37	106	10298	0.907	ug/L	89
54) o-Xylene	9.77	106	10584	0.957	ug/L	97
55) Styrene	9.79	104	16919	0.903	ug/L	91
56) Isopropylbenzene	10.16	105	28496	0.949	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	6624	1.021	ug/L	92
59) 1,2,3-Trichloropropane	10.49	75	4843	1.015	ug/L	98
61) Bromoform	9.95	173	3743	1.052	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	14941	1.022	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	15933	1.045	ug/L	96
65) 1,2-Dichlorobenzene	11.87	146	14453	1.020	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	941	0.965	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	12024	1.032	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	7378	0.886	ug/L	94
69) Naphthalene	13.75	128	7648	0.689	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	7385	0.905	ug/L #	92

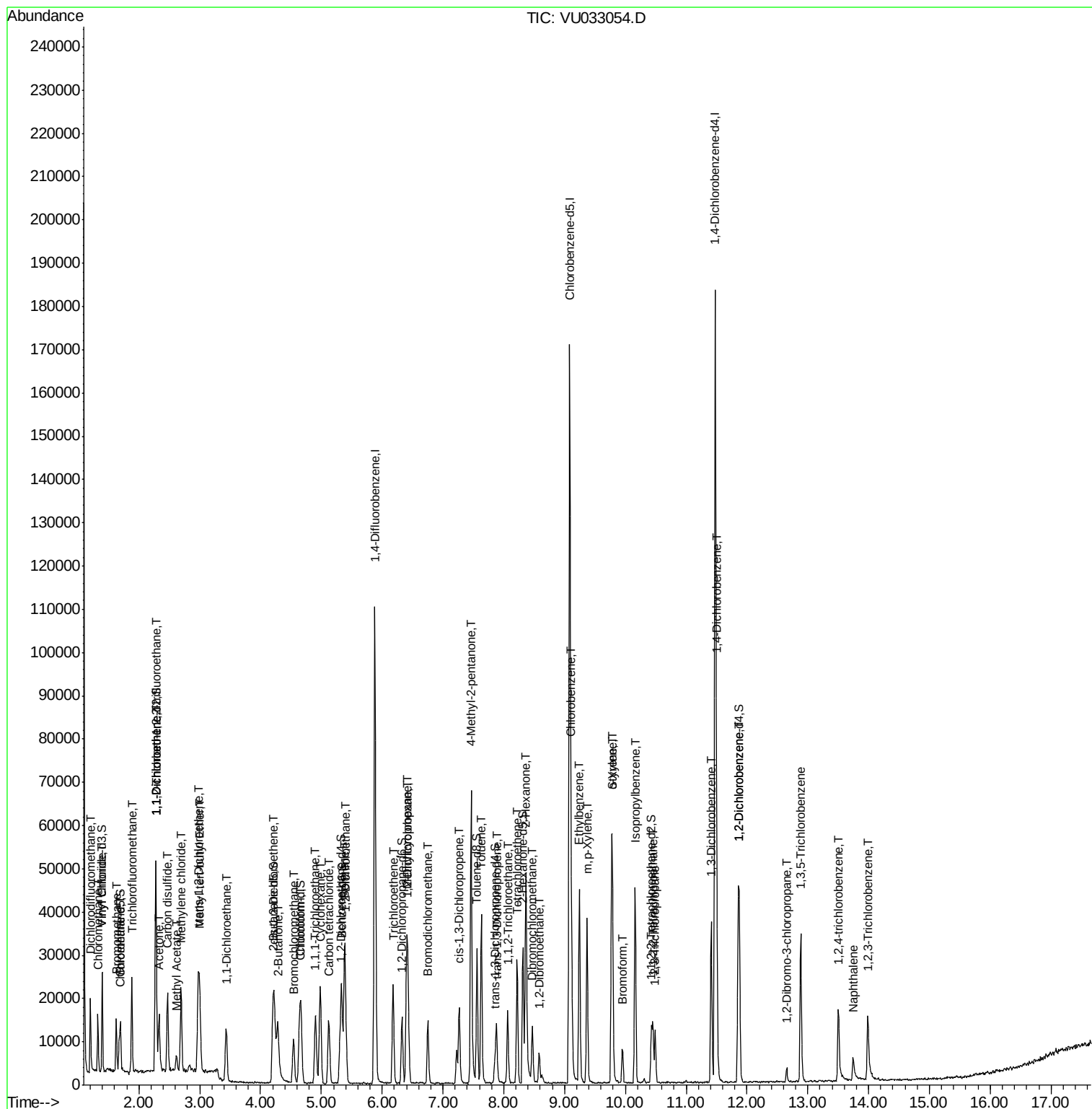
(#) = qualifier out of range (m) = manual integration (+) = signals summed

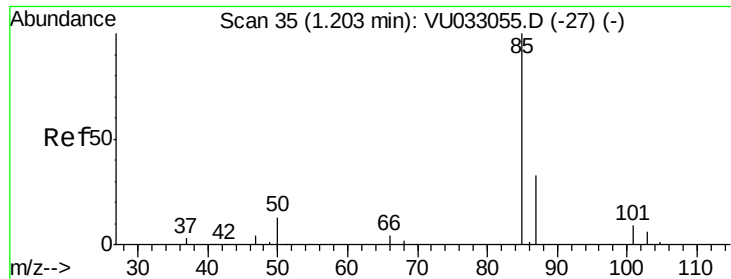
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#2

Dichlorodifluoromethane

Concen: 1.043 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

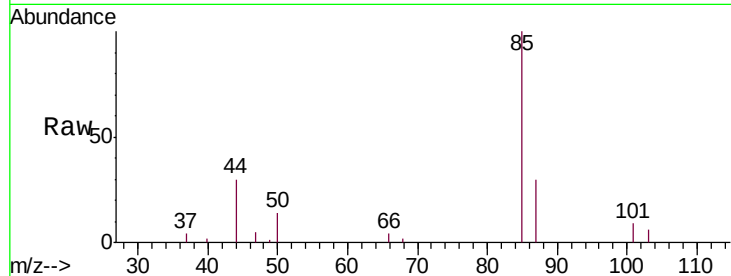
VSTD00102

Tgt Ion: 85 Resp: 9638

Ion Ratio Lower Upper

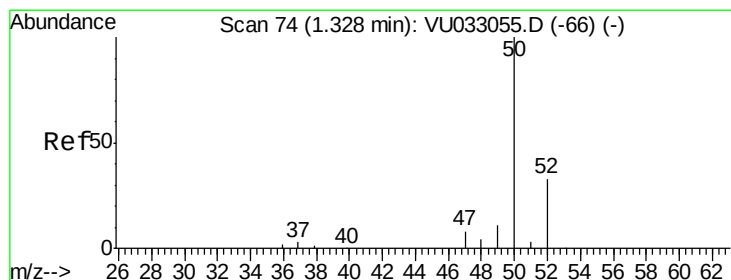
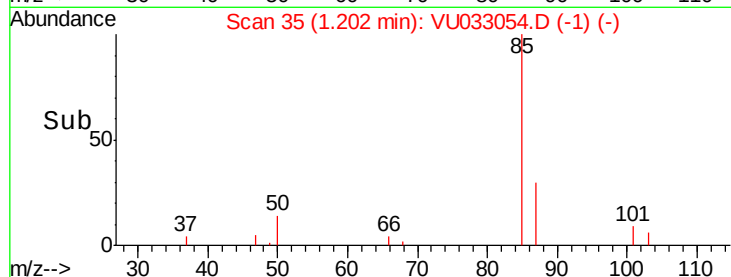
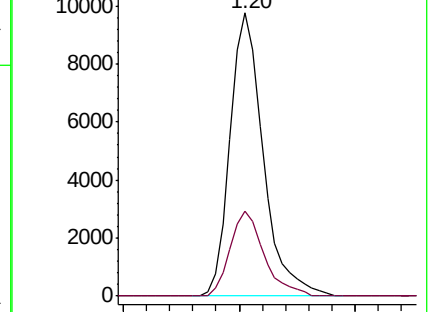
85 100

87 30.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033055.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU033055.D (-27) (-)



#3

Chloromethane

Concen: 1.061 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033054.D

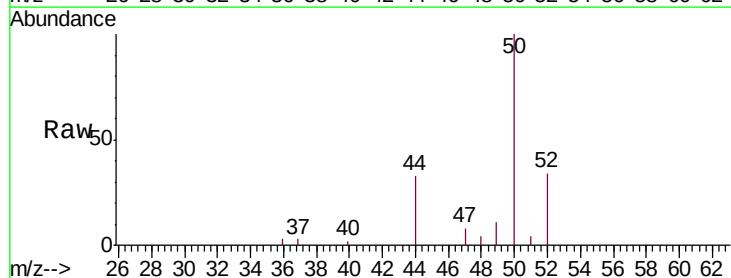
Acq: 27 Jun 2019 10:05

Tgt Ion: 50 Resp: 9231

Ion Ratio Lower Upper

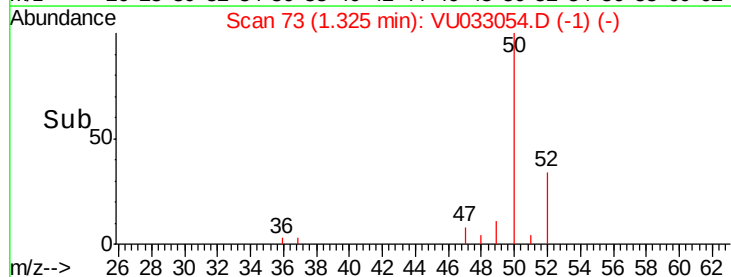
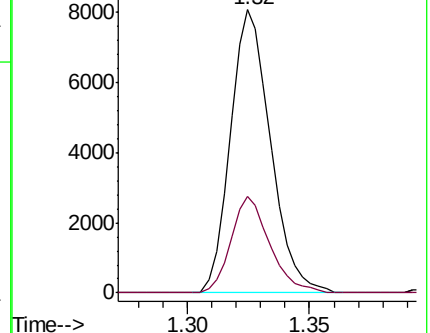
50 100

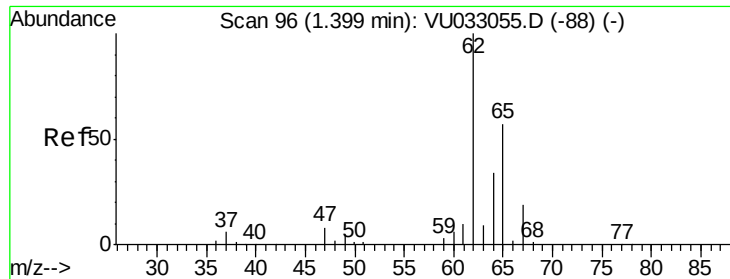
52 34.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU033055.D (-66) (-)

Ion 52.05 (51.75 to 52.75): VU033055.D (-66) (-)





#5

Vinyl chloride

Concen: 1.050 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

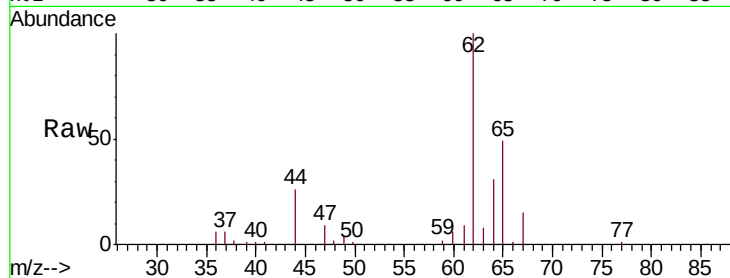
VSTD00102

Tgt Ion: 62 Resp: 9216

Ion Ratio Lower Upper

62 100

64 31.3 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033055.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU033055.D (-88) (-)

10000

8000

6000

4000

2000

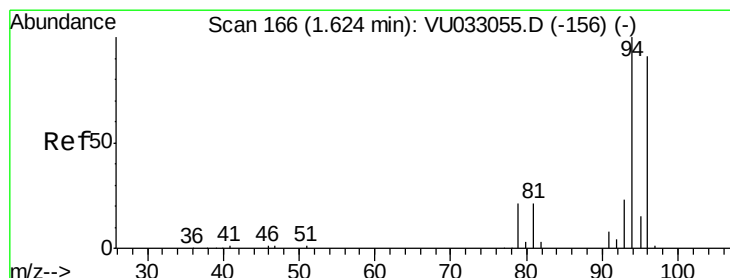
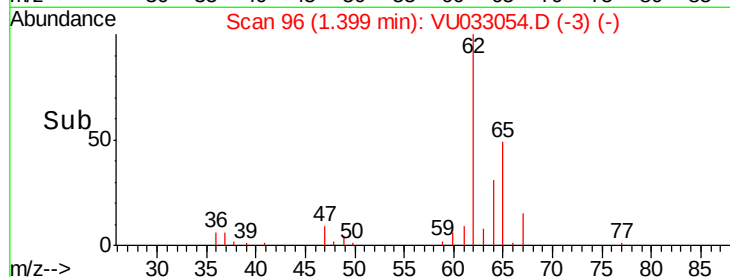
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 1.028 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU033054.D

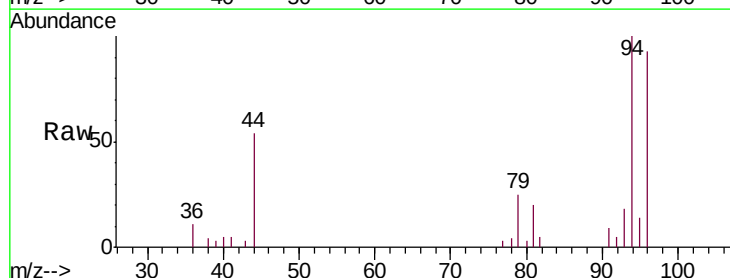
Acq: 27 Jun 2019 10:05

Tgt Ion: 94 Resp: 4730

Ion Ratio Lower Upper

94 100

96 92.7 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU033055.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033055.D (-156) (-)

4000

3000

2000

1000

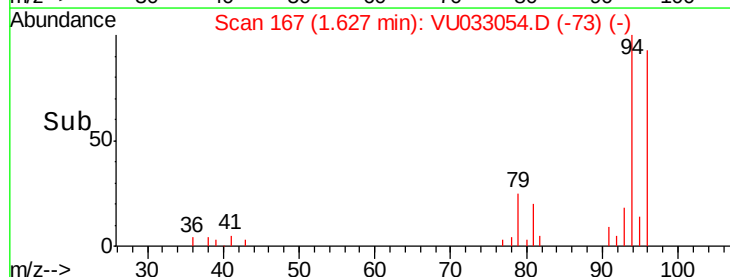
0

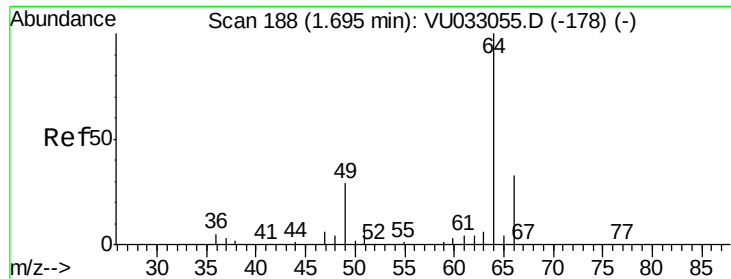
1.60

1.63

1.65

Time-->





#8

Chloroethane

Concen: 1.069 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

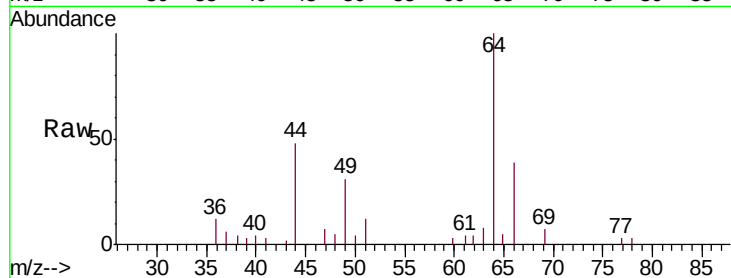
VSTD00102

Tgt Ion: 64 Resp: 5439

Ion Ratio Lower Upper

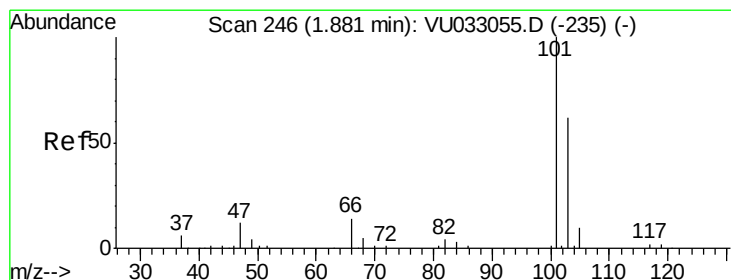
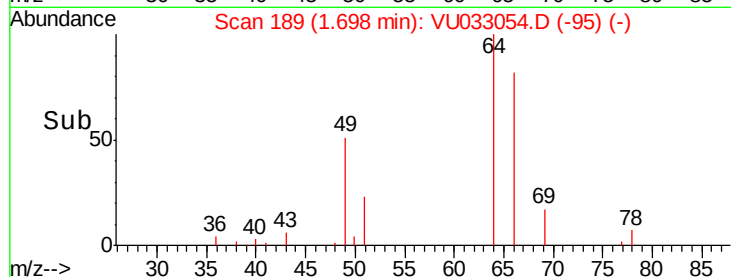
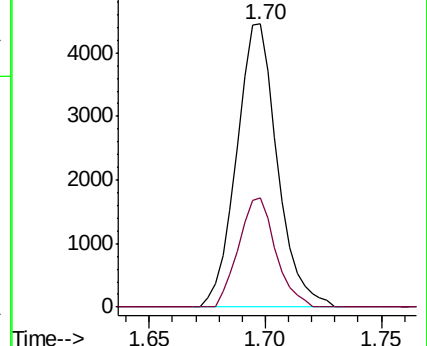
64 100

66 38.6 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VU033055.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU033055.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 1.011 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU033054.D

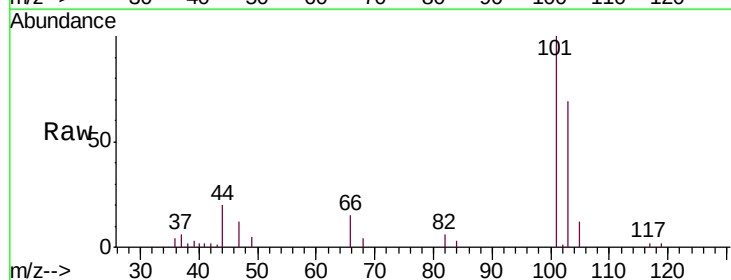
Acq: 27 Jun 2019 10:05

Tgt Ion: 101 Resp: 12579

Ion Ratio Lower Upper

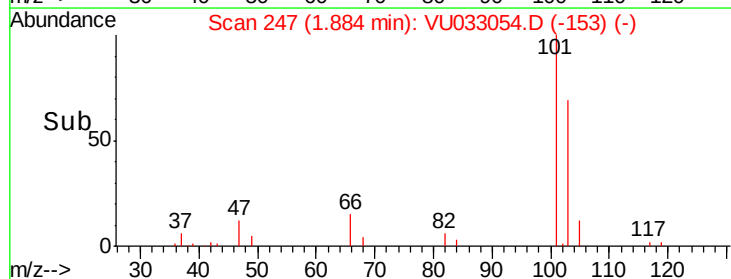
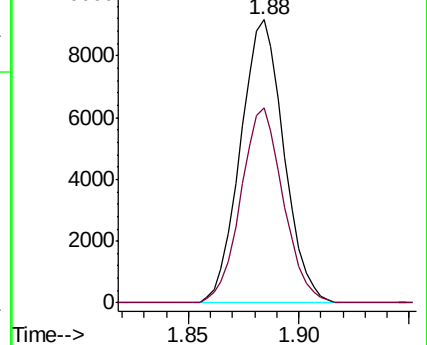
101 100

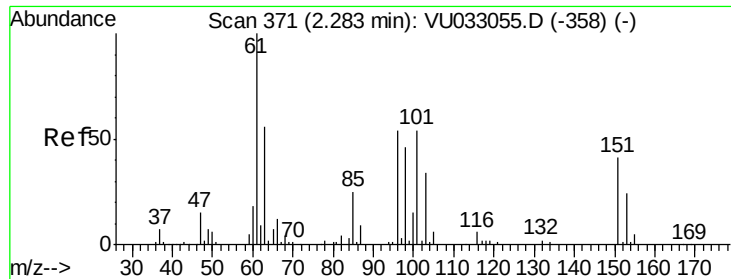
103 67.2 50.1 75.1



Abundance Ion 101.00 (100.70 to 101.70): VU033055.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU033055.D (-235) (-)





#10

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

Concen: 1.008 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

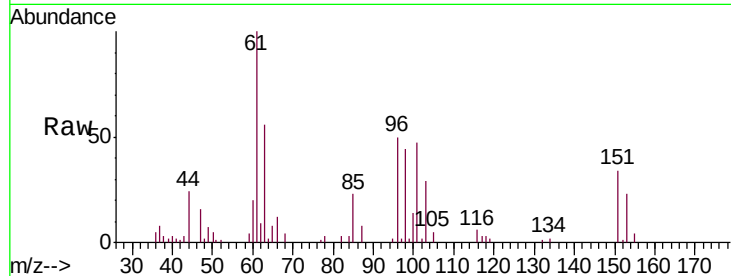
Tgt Ion: 101 Resp: 6488

Ion Ratio Lower Upper

101 100

85 50.3 37.1 55.7

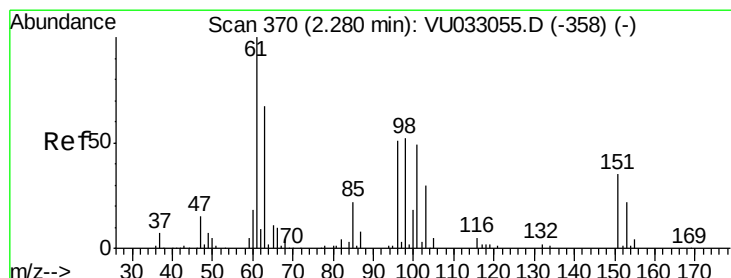
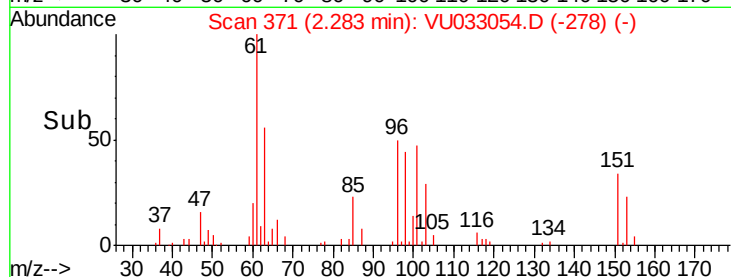
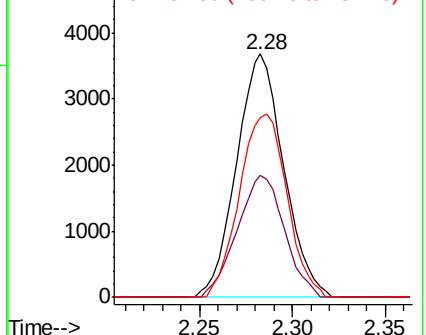
151 76.0 61.0 91.4



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: 1.023 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

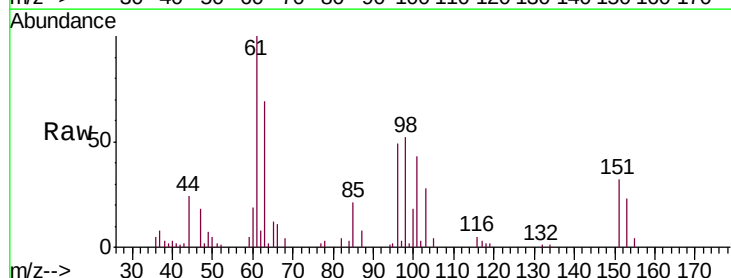
Tgt Ion: 96 Resp: 6113

Ion Ratio Lower Upper

96 100

61 203.2 137.6 255.6

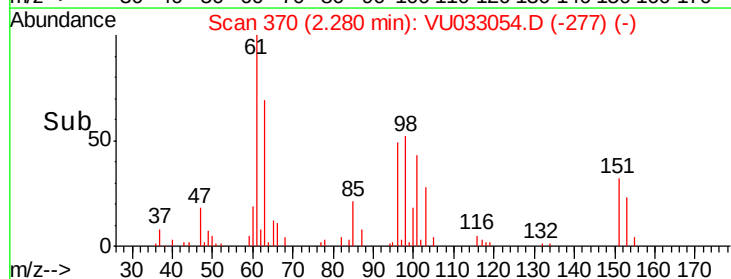
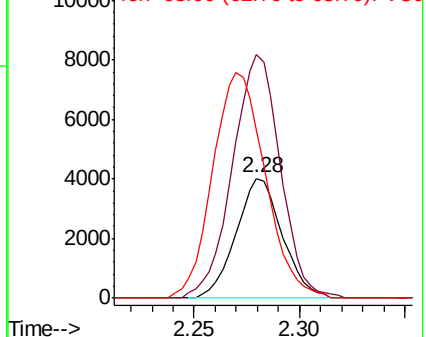
63 140.6 94.4 175.2

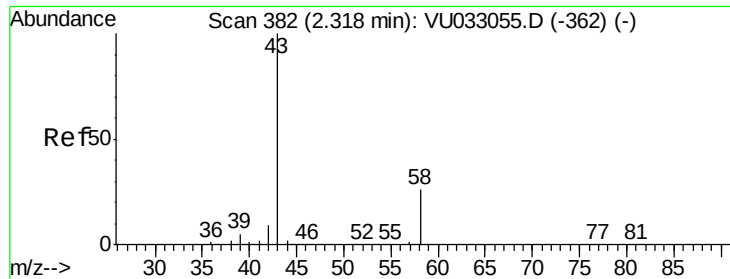


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.200 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

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ClientSampleId :

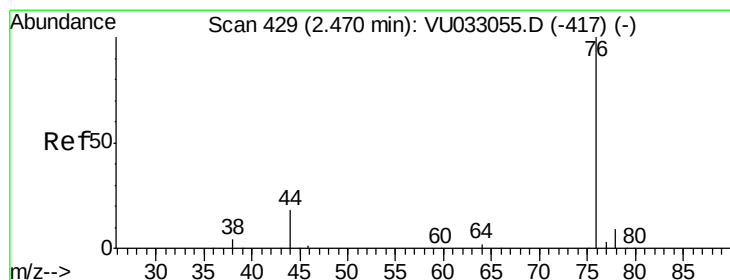
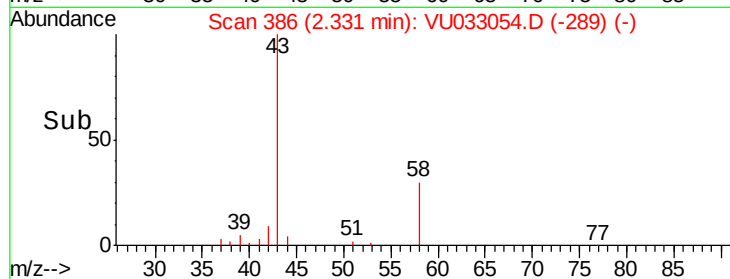
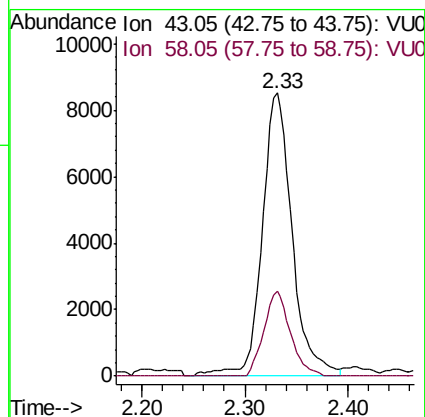
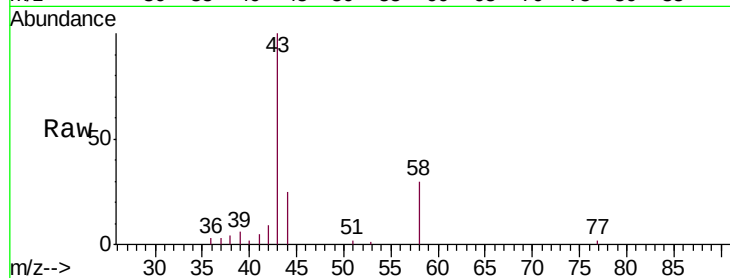
VSTD00102

Tgt Ion: 43 Resp: 17116

Ion Ratio Lower Upper

43 100

58 26.5 0.0 51.8



#14

Carbon disulfide

Concen: 1.028 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU033054.D

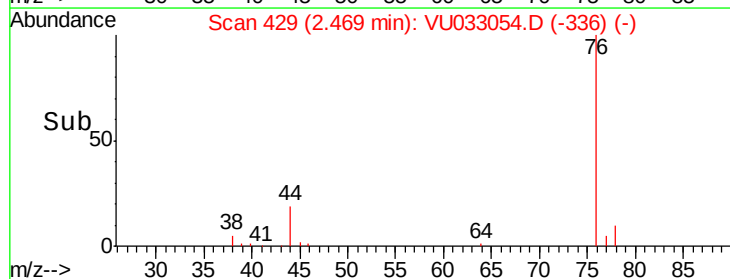
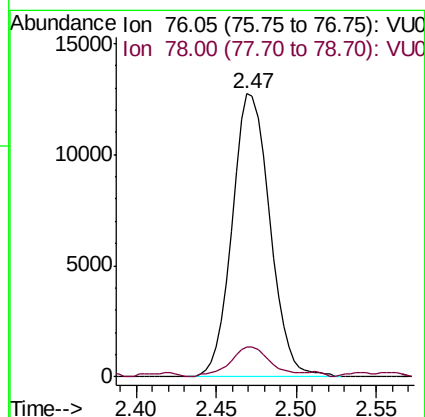
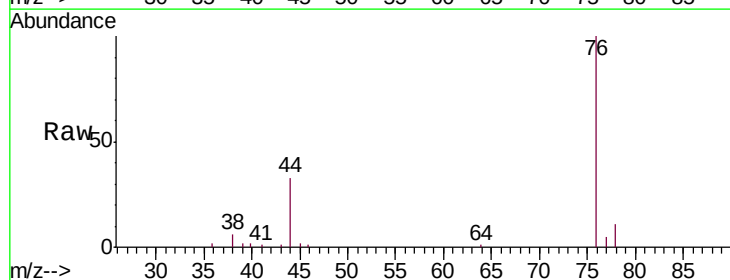
Acq: 27 Jun 2019 10:05

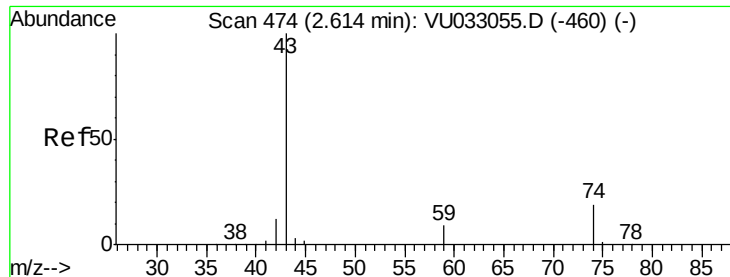
Tgt Ion: 76 Resp: 20440

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.2

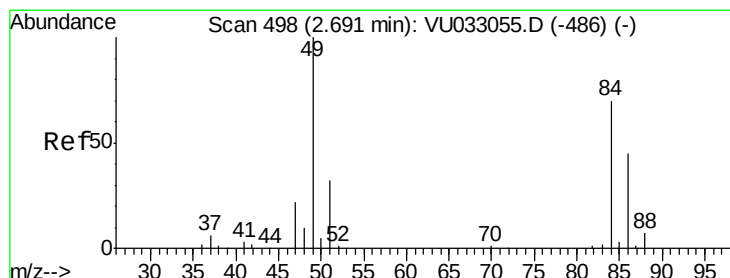
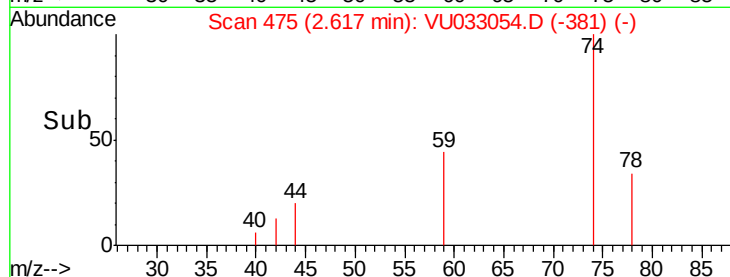
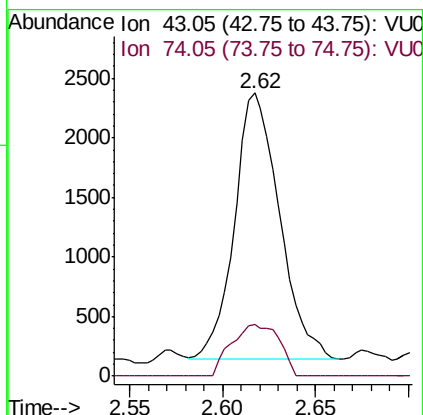
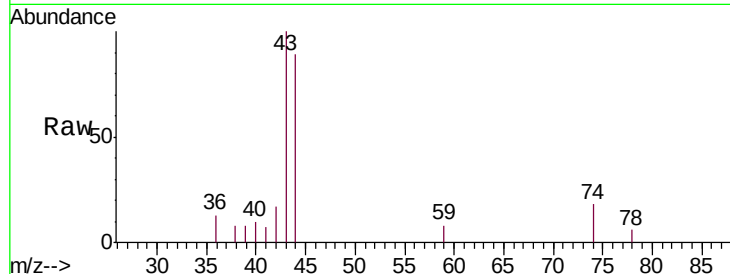




#15
Methyl Acetate
Concen: 1.072 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU033054.D
Acq: 27 Jun 2019 10:05

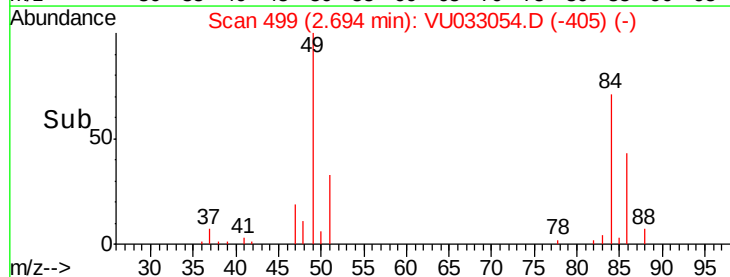
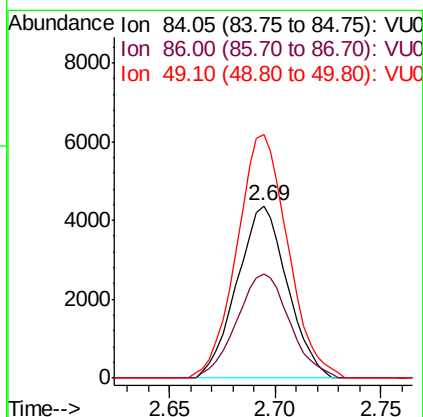
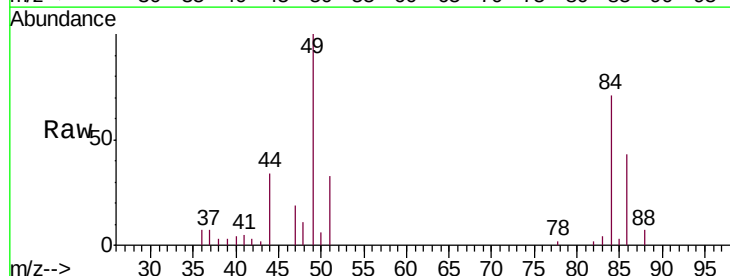
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

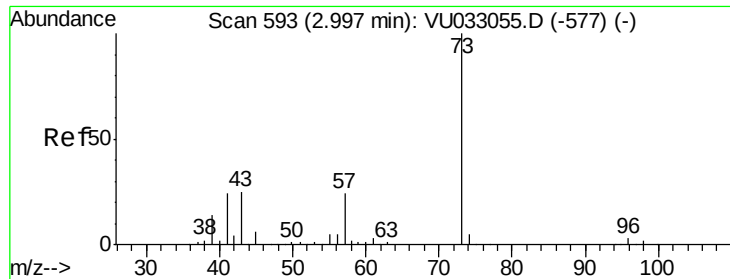
Tgt Ion: 43 Resp: 3790
Ion Ratio Lower Upper
43 100
74 20.6 16.1 24.1



#16
Methylene chloride
Concen: 1.058 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU033054.D
Acq: 27 Jun 2019 10:05

Tgt Ion: 84 Resp: 7246
Ion Ratio Lower Upper
84 100
86 60.4 44.7 82.9
49 141.5 99.7 185.1



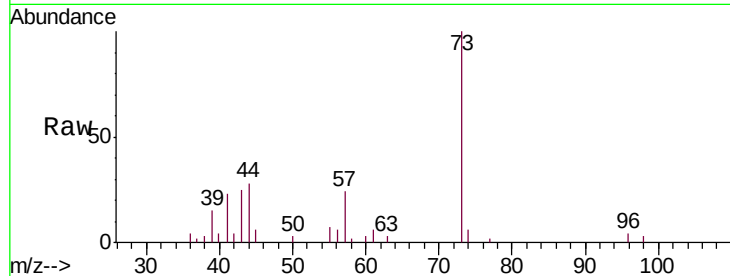


#17

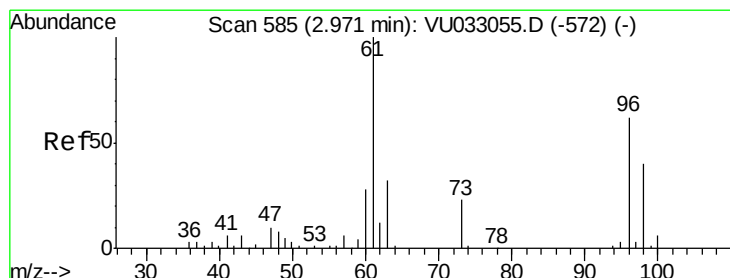
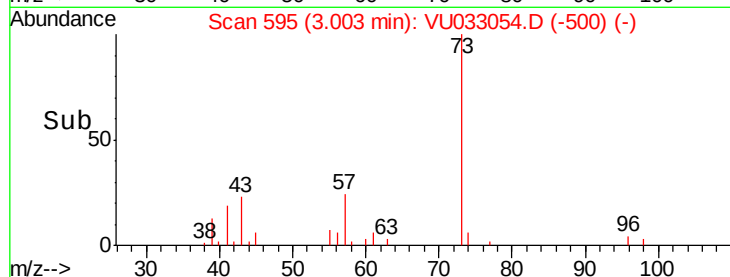
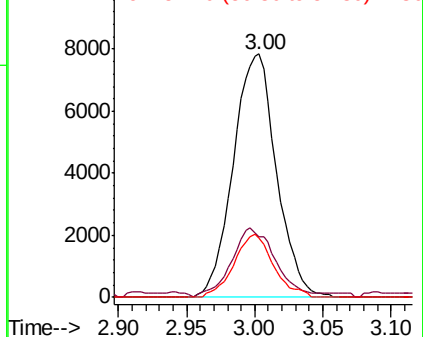
Methyl tert-butyl Ether
 Concen: 1.030 ug/L
 RT: 3.00 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tgt Ion: 73 Resp: 17255
 Ion Ratio Lower Upper
 73 100
 43 29.6 20.2 30.2
 57 23.7 18.5 27.7



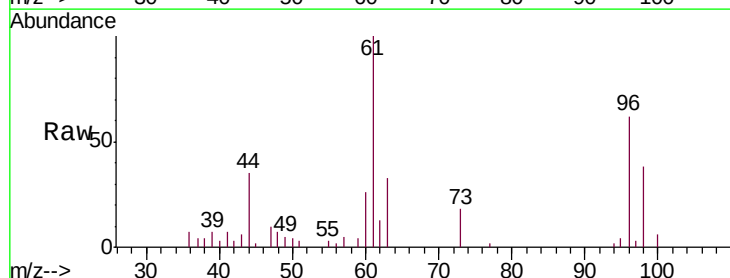
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



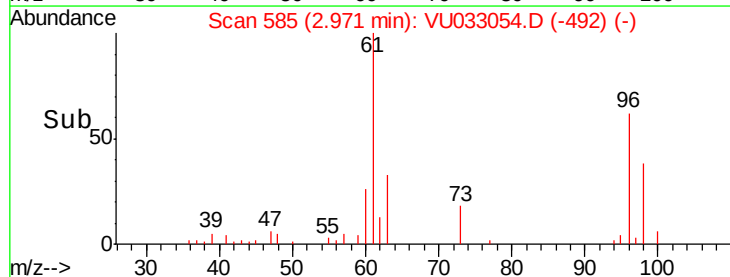
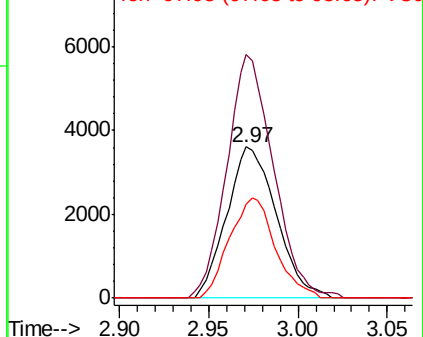
#18

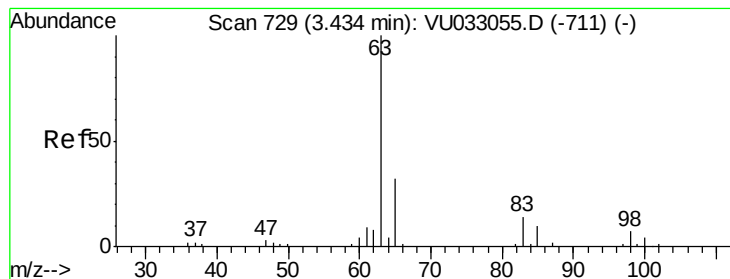
trans-1,2-Dichloroethene
 Concen: 1.070 ug/L
 RT: 2.97 min Scan# 585
 Delta R.T. -0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Tgt Ion: 96 Resp: 6997
 Ion Ratio Lower Upper
 96 100
 61 161.3 112.2 208.4
 98 62.0 45.4 84.4



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





#19

1,1-Dichloroethane

Concen: 1.032 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

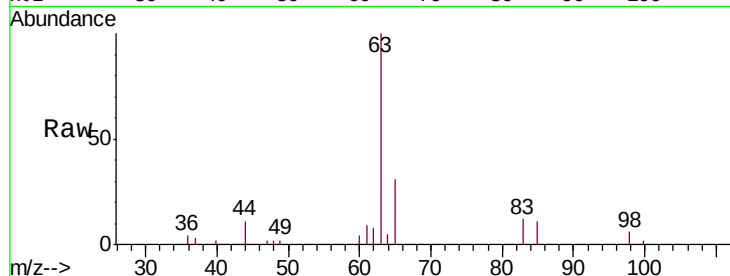
Tgt Ion: 63 Resp: 13259

Ion Ratio Lower Upper

63 100

65 31.2 22.7 42.1

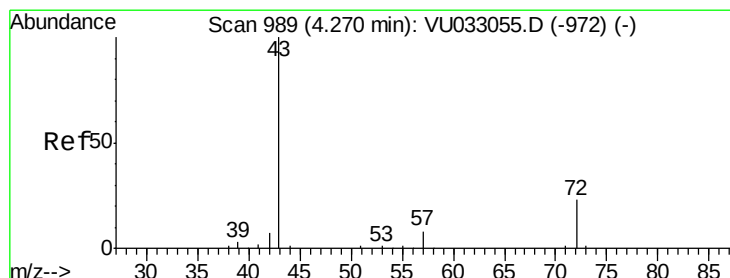
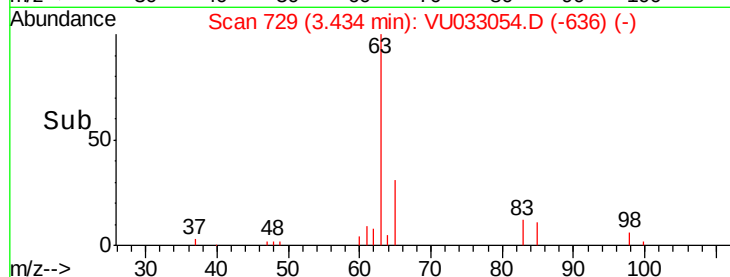
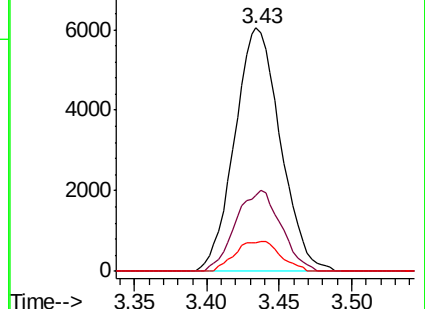
83 11.7 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU033055.D (-711) (-)

Ion 65.10 (64.80 to 65.80): VU033055.D (-711) (-)

Ion 83.05 (82.75 to 83.75): VU033055.D (-711) (-)



#21

2-Butanone

Concen: 10.455 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VU033054.D

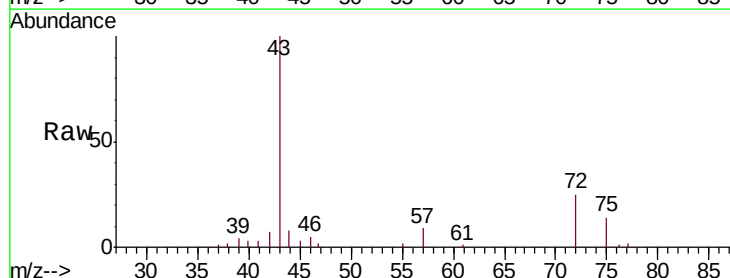
Acq: 27 Jun 2019 10:05

Tgt Ion: 43 Resp: 22490

Ion Ratio Lower Upper

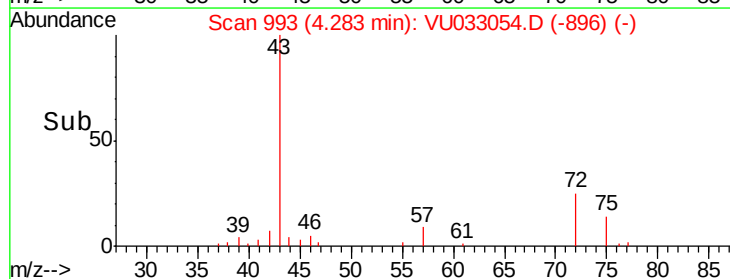
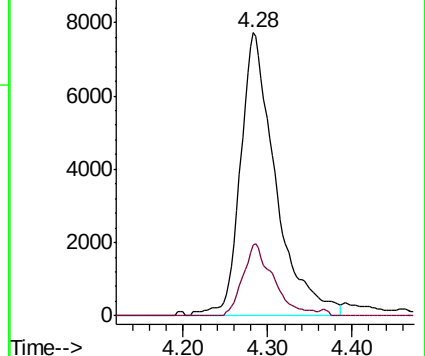
43 100

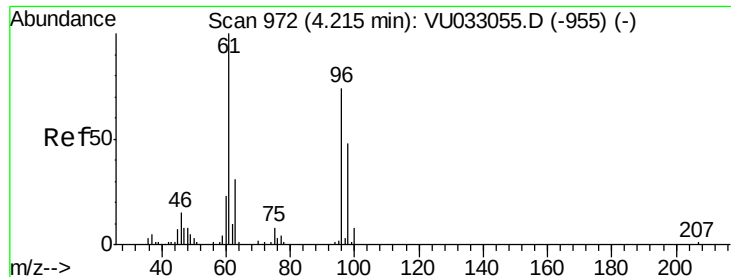
72 22.4 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VU033055.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU033055.D (-972) (-)



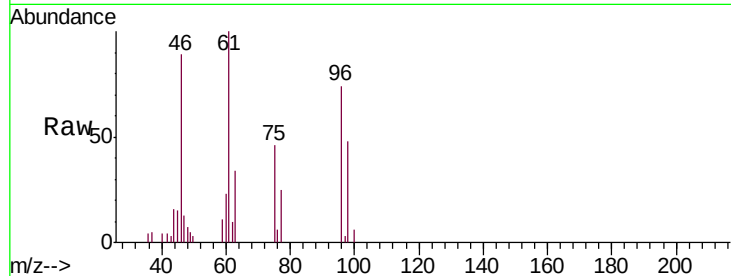


#22

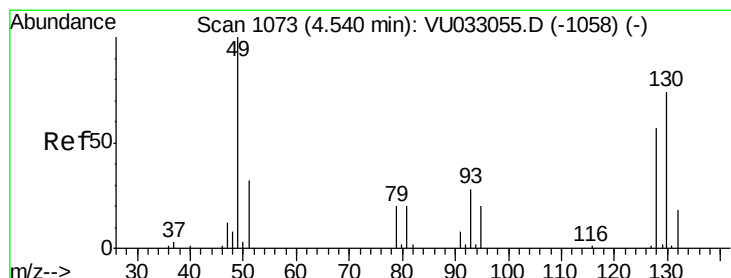
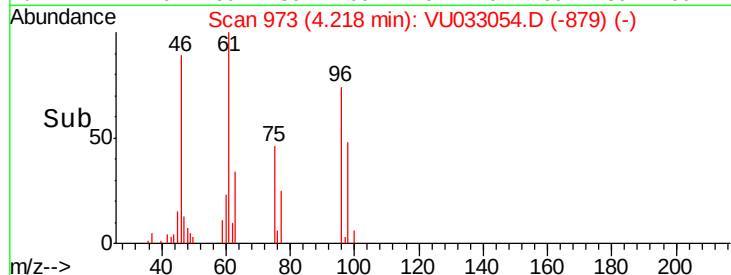
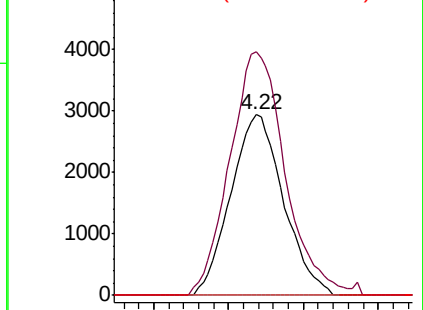
cis-1,2-Dichloroethene
 Concen: 1.014 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tgt Ion: 96 Resp: 7202
 Ion Ratio Lower Upper
 96 100
 61 134.7 94.6 175.8
 68 0.0 0.0 0.0



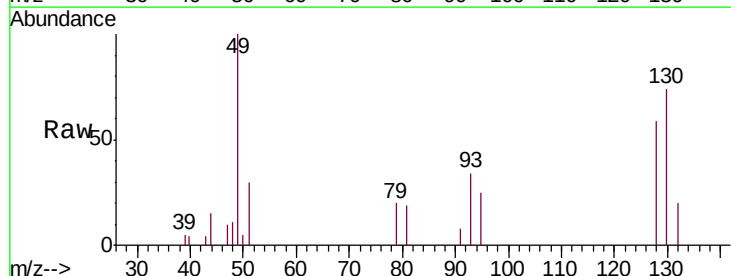
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



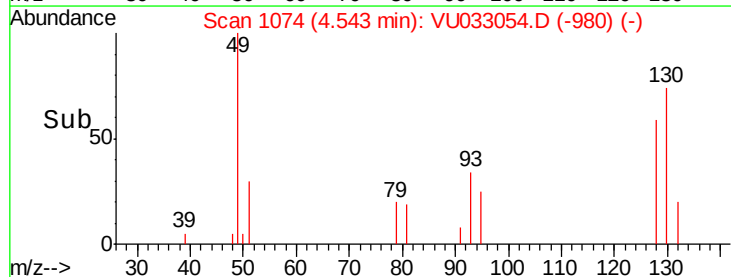
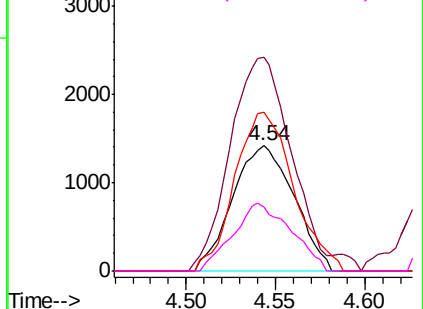
#23

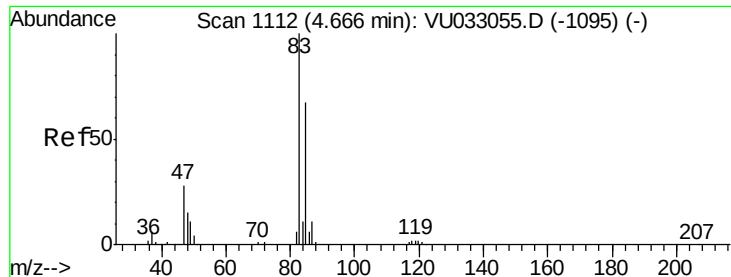
Bromochloromethane
 Concen: 1.081 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Tgt Ion: 128 Resp: 3407
 Ion Ratio Lower Upper
 128 100
 49 170.9 123.3 228.9
 130 126.8 90.9 168.7
 51 51.2 45.6 68.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

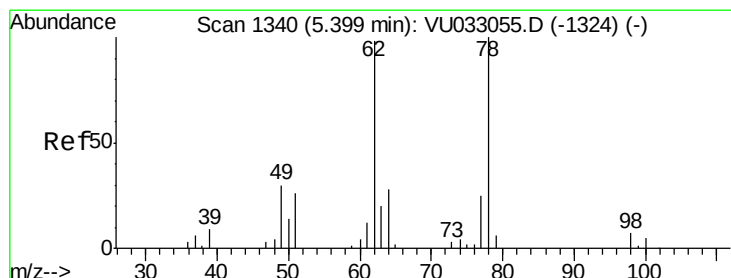
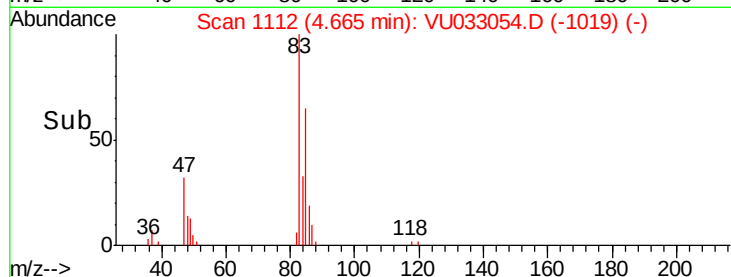
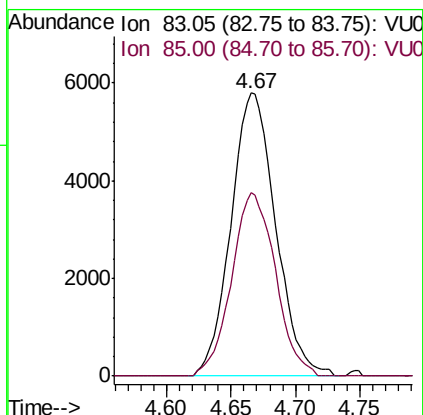
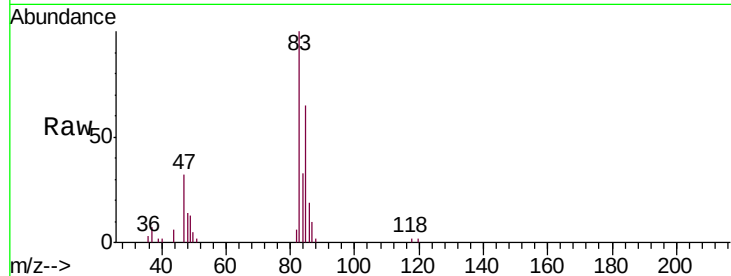




#25
Chloroform
Concen: 1.072 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU033054.D
Acq: 27 Jun 2019 10:05

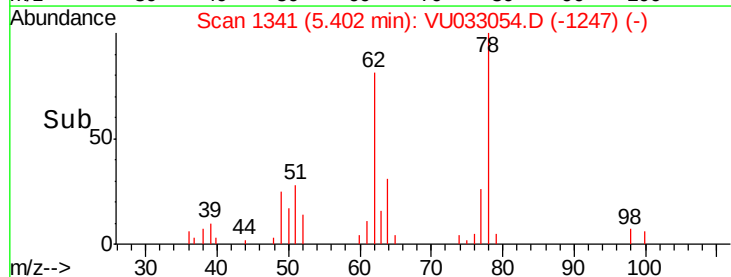
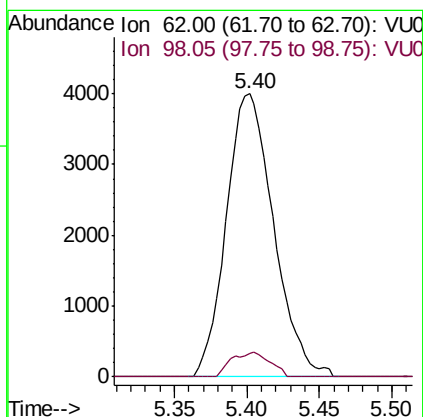
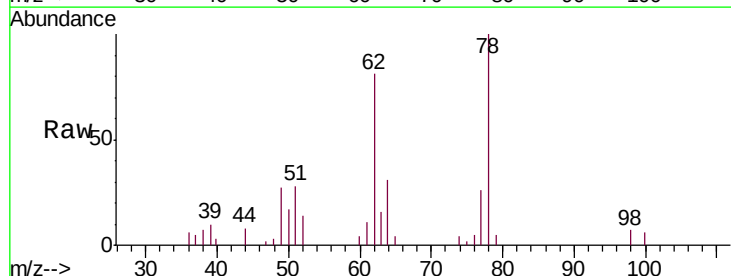
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

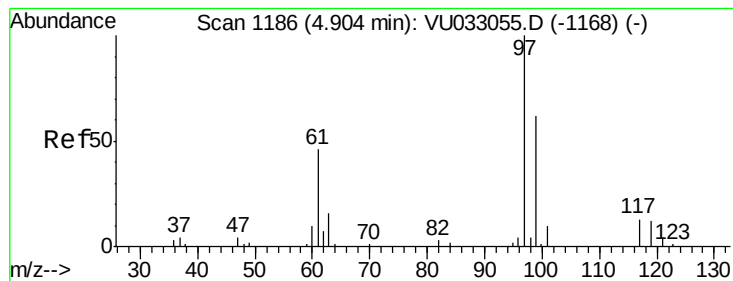
Tgt Ion: 83 Resp: 13999
Ion Ratio Lower Upper
83 100
85 64.6 47.3 87.8



#27
1,2-Dichloroethane
Concen: 1.014 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU033054.D
Acq: 27 Jun 2019 10:05

Tgt Ion: 62 Resp: 9072
Ion Ratio Lower Upper
62 100
98 8.5 5.8 8.6





#29

1,1,1-Trichloroethane

Concen: 1.080 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

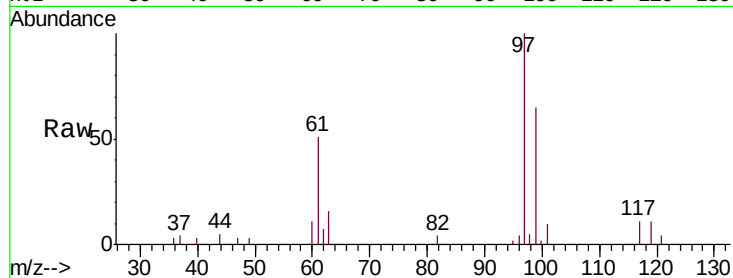
Tgt Ion: 97 Resp: 12374

Ion Ratio Lower Upper

97 100

99 62.7 51.4 77.2

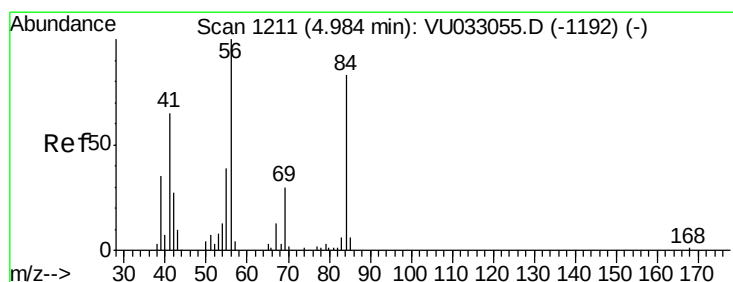
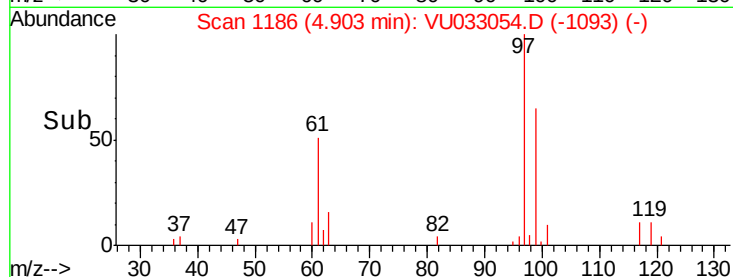
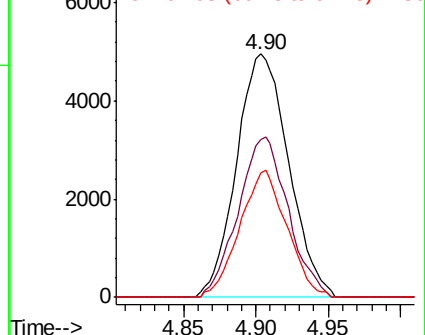
61 47.2 38.1 57.1



Abundance Ion 96.95 (96.65 to 97.65): VU033055.D (-1168) (-)

Ion 99.05 (98.75 to 99.75): VU033055.D (-1168) (-)

Ion 61.05 (60.75 to 61.75): VU033055.D (-1168) (-)



#30

Cyclohexane

Concen: 0.972 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

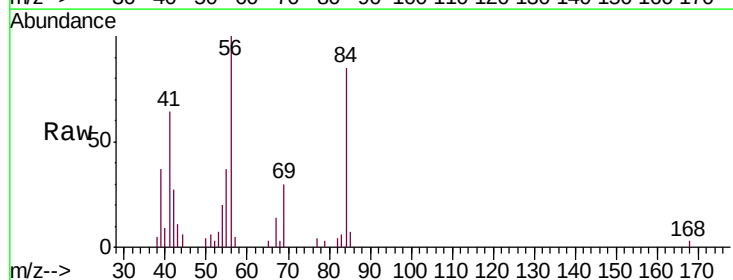
Tgt Ion: 56 Resp: 10319

Ion Ratio Lower Upper

56 100

69 31.1 23.7 35.5

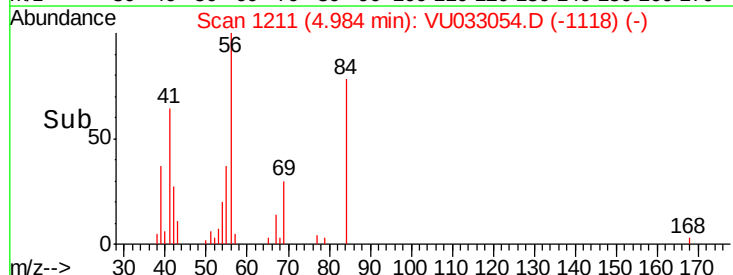
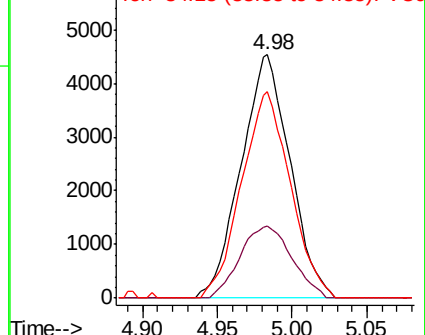
84 84.5 65.8 98.8

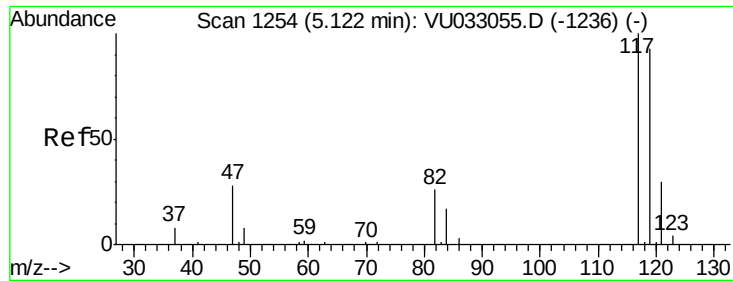


Abundance Ion 56.10 (55.80 to 56.80): VU033055.D (-1192) (-)

Ion 69.15 (68.85 to 69.85): VU033055.D (-1192) (-)

Ion 84.15 (83.85 to 84.85): VU033055.D (-1192) (-)





#31

Carbon tetrachloride

Concen: 1.054 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

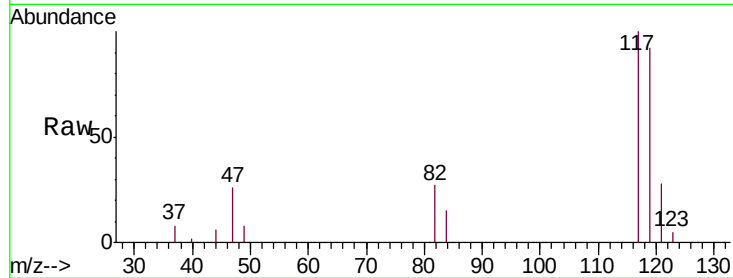
VSTD00102

Tgt Ion:117 Resp: 10985

Ion Ratio Lower Upper

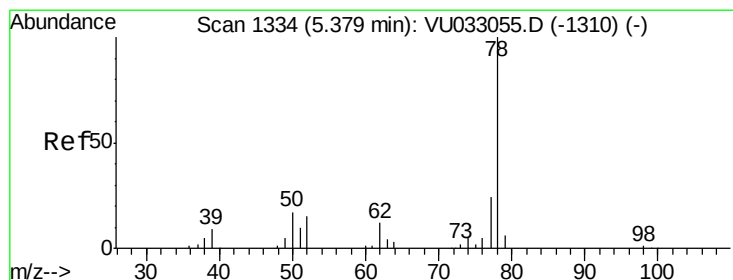
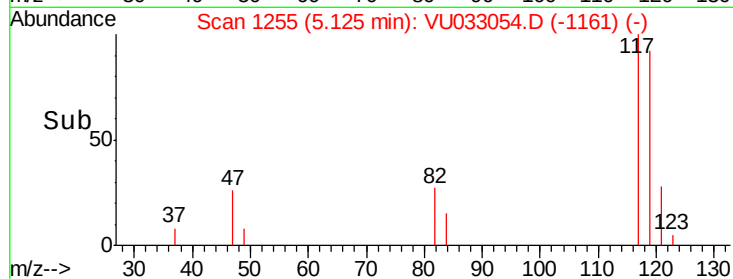
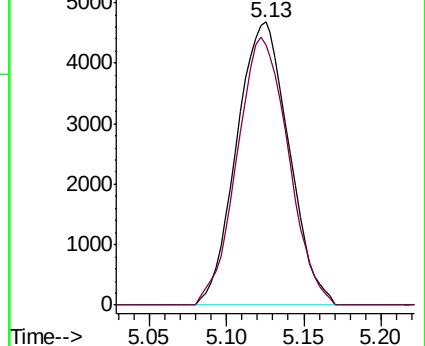
117 100

119 92.9 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.018 ug/L

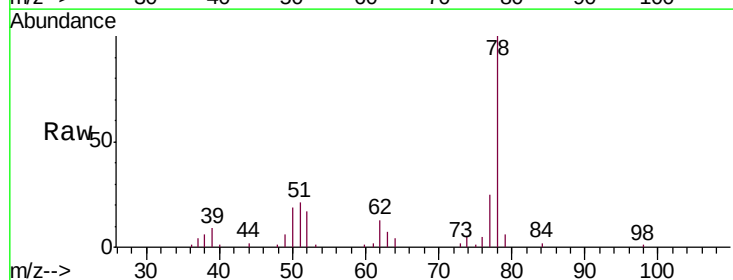
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

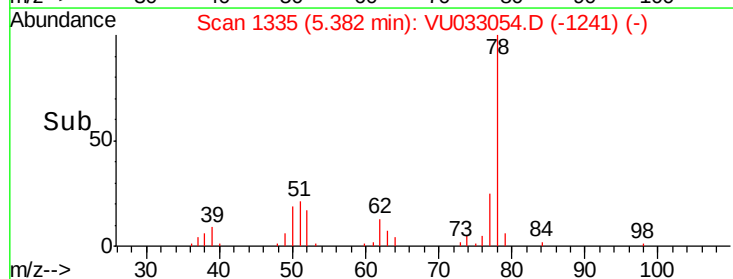
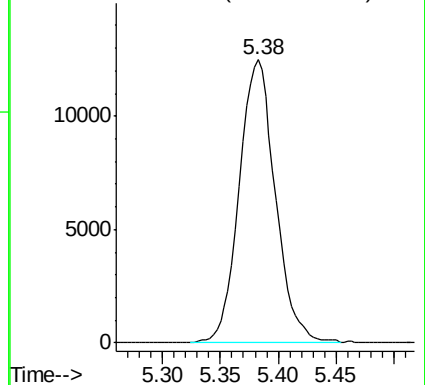
Lab File: VU033054.D

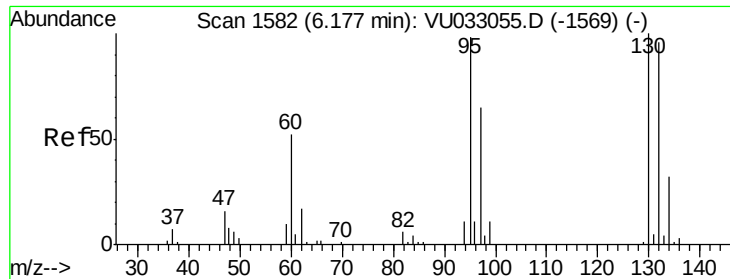
Acq: 27 Jun 2019 10:05

Tgt Ion: 78 Resp: 27081



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.053 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

Tgt Ion: 95 Resp: 7670

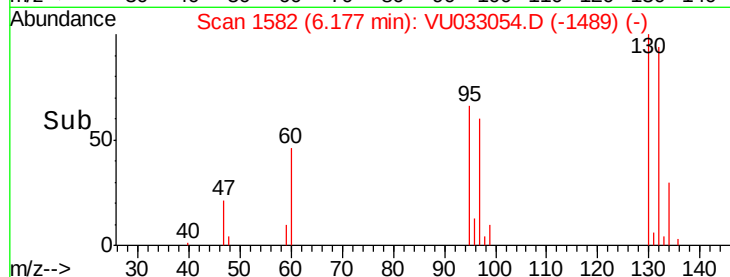
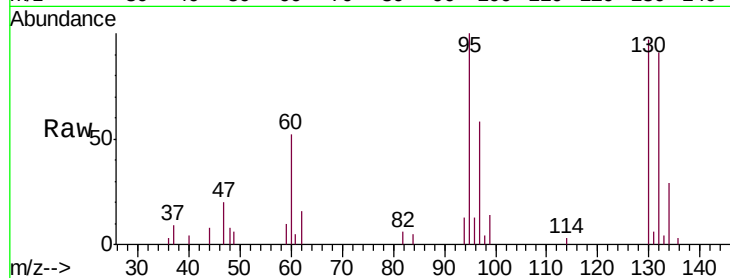
Ion Ratio Lower Upper

95 100

97 58.1 46.0 85.4

132 91.1 68.6 127.4

130 96.6 71.1 132.1



Abundance Ion 95.00 (94.70 to 95.70): VU033055.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU033055.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU033055.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU033055.D (-1569) (-)

Time-->

6.10 6.15 6.20 6.25

6.18

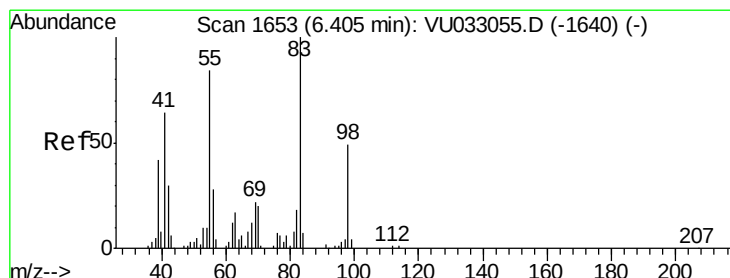
4000

3000

2000

1000

0



#35

Methylcyclohexane

Concen: 0.995 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

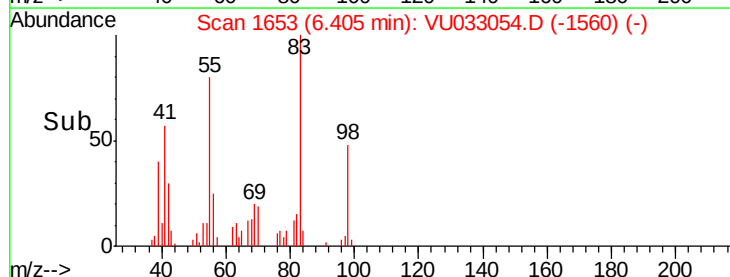
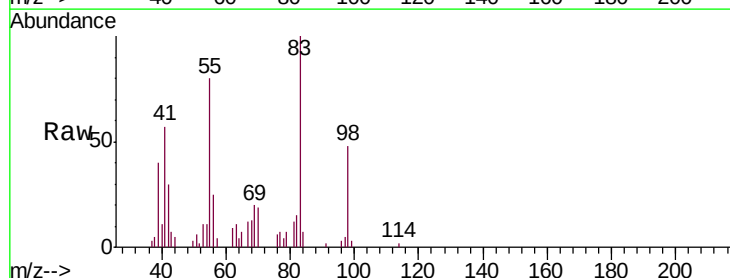
Tgt Ion: 83 Resp: 10784

Ion Ratio Lower Upper

83 100

55 81.5 67.0 100.4

98 47.0 37.7 56.5



Abundance Ion 83.15 (82.85 to 83.85): VU033055.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU033055.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU033055.D (-1640) (-)

Time-->

6.35 6.40 6.45

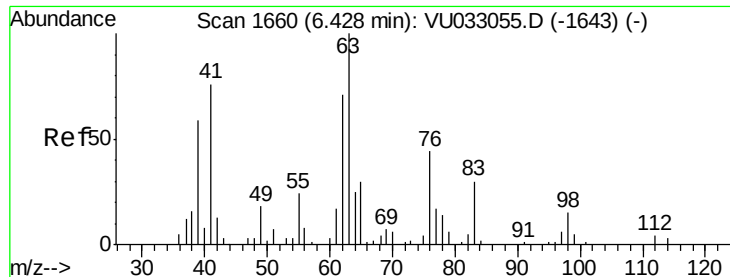
6.40

6000

4000

2000

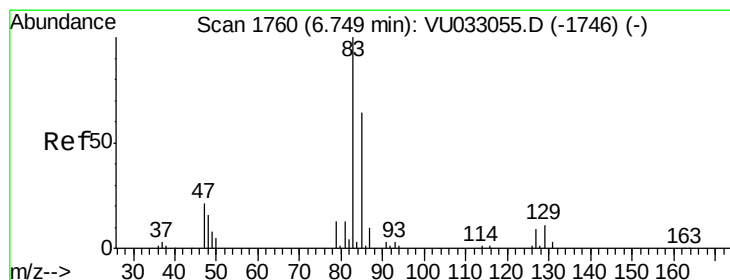
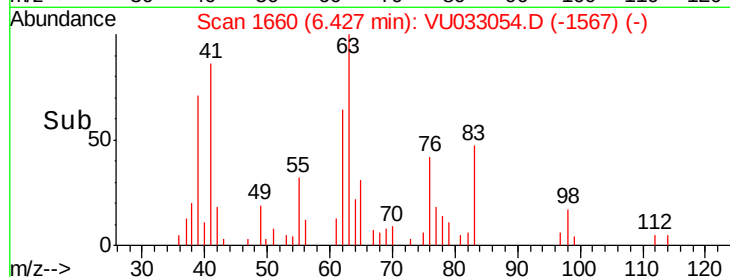
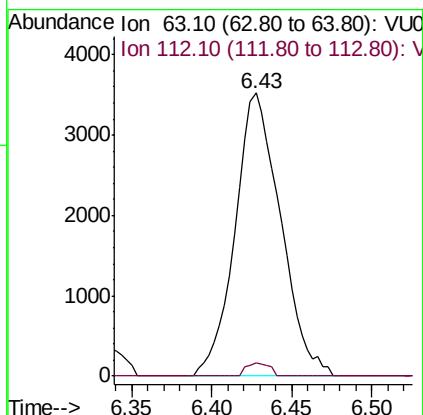
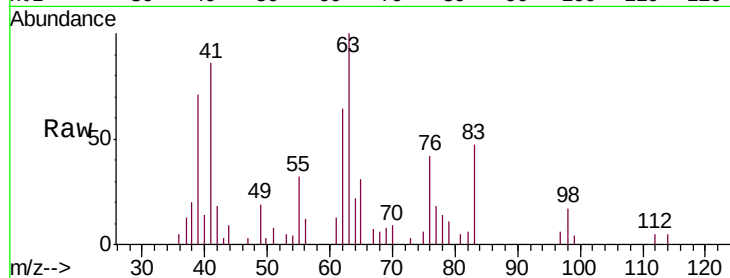
0



#37
 1,2-Dichloropropane
 Concen: 0.961 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

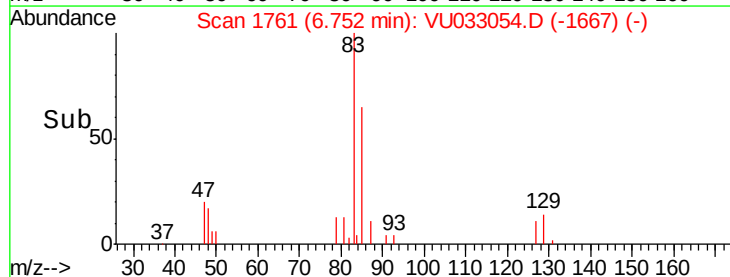
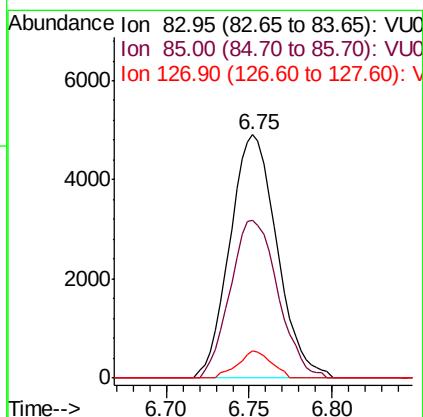
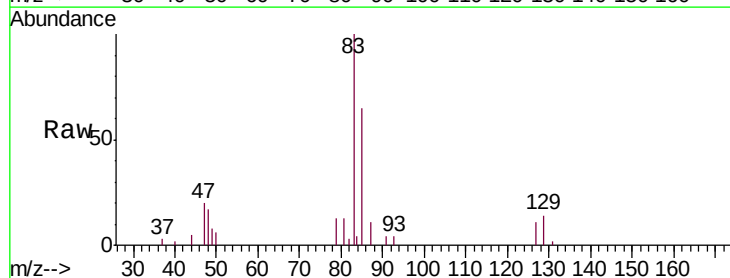
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

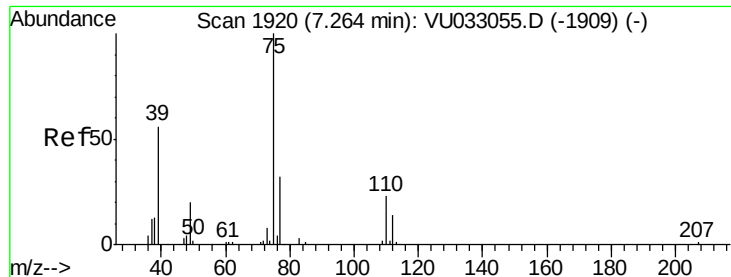
Tgt Ion: 63 Resp: 6852
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 1.030 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Tgt Ion: 83 Resp: 9688
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.1 83.9
 127 11.0 6.9 10.3#

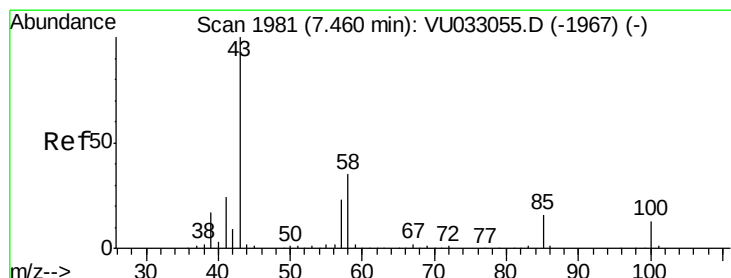
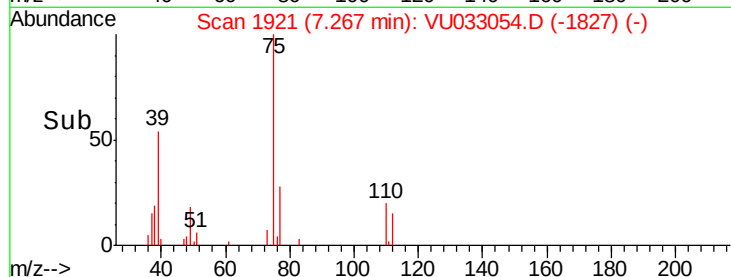
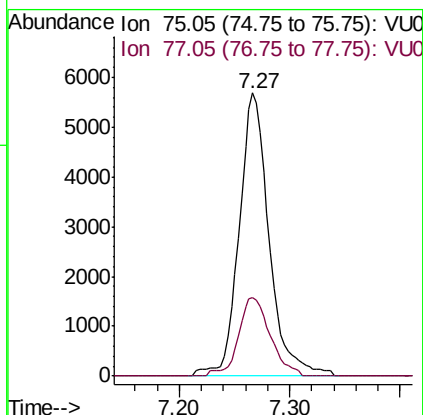
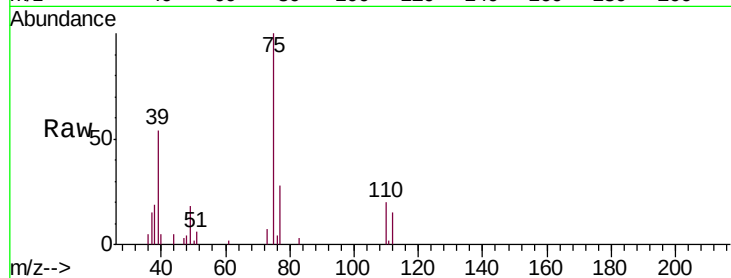




#39
 cis-1,3-Dichloropropene
 Concen: 1.031 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

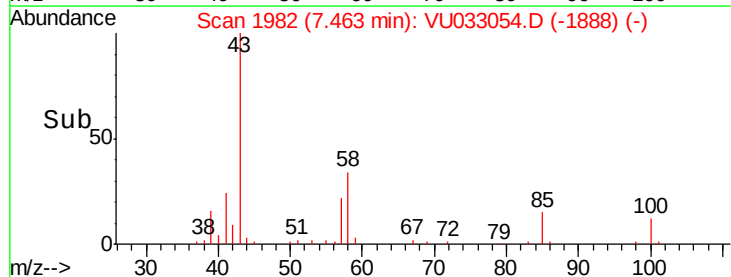
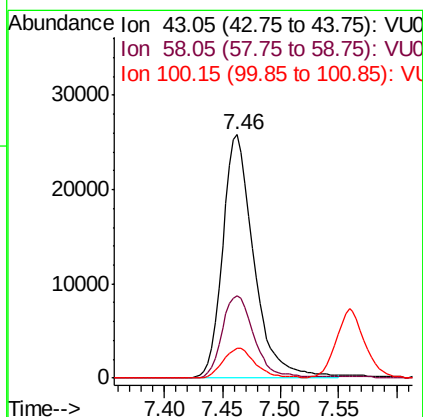
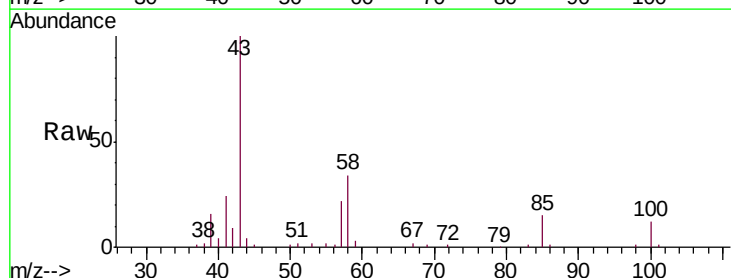
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

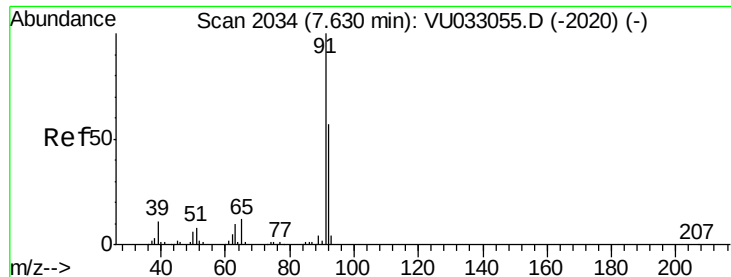
Tgt Ion: 75 Resp: 10725
 Ion Ratio Lower Upper
 75 100
 77 27.6 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 9.856 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Tgt Ion: 43 Resp: 48449
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.2 42.2
 100 12.7 10.4 15.6





#42

Toluene

Concen: 0.993 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

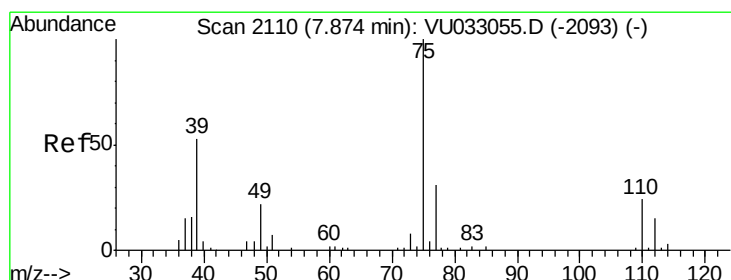
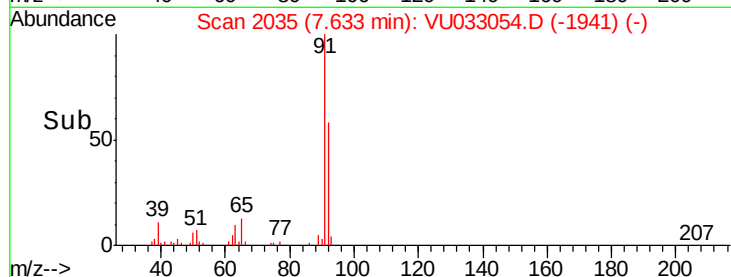
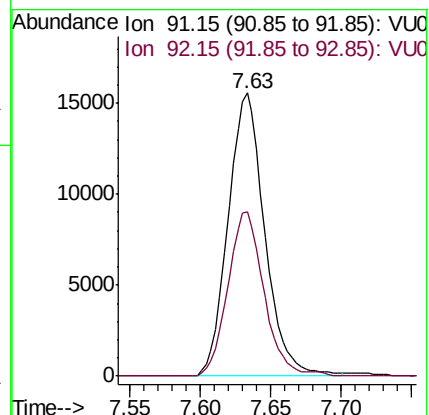
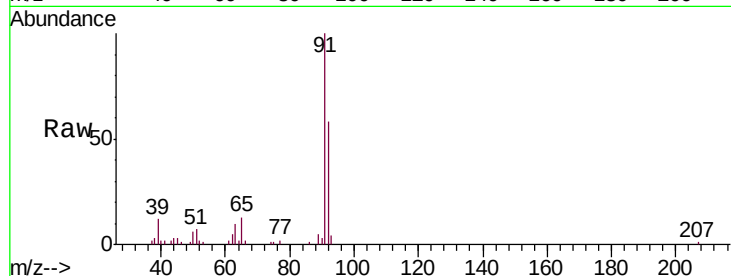
VSTD00102

Tgt Ion: 91 Resp: 28214

Ion Ratio Lower Upper

91 100

92 58.0 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 0.998 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU033054.D

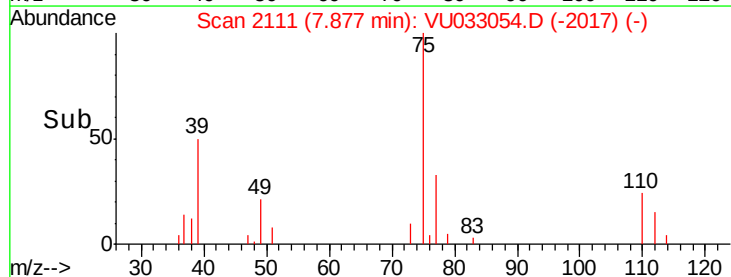
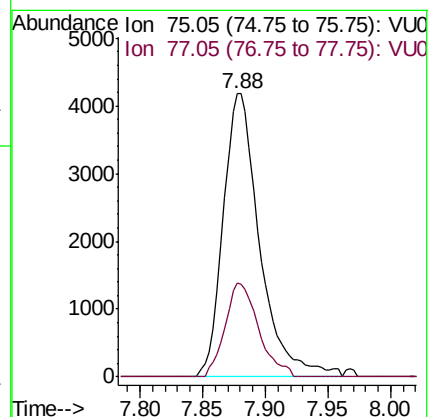
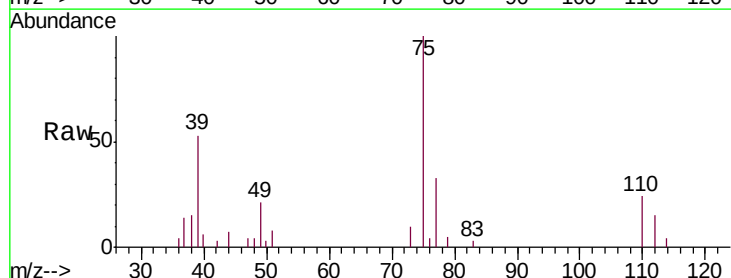
Acq: 27 Jun 2019 10:05

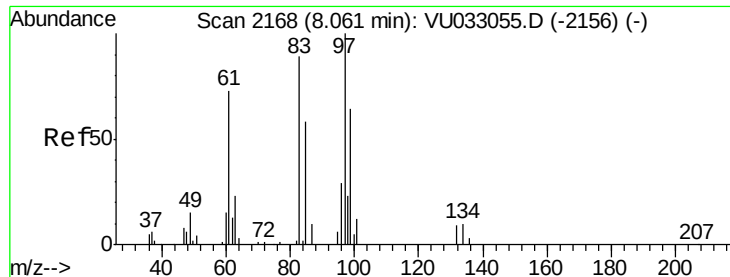
Tgt Ion: 75 Resp: 8458

Ion Ratio Lower Upper

75 100

77 33.1 21.6 40.2

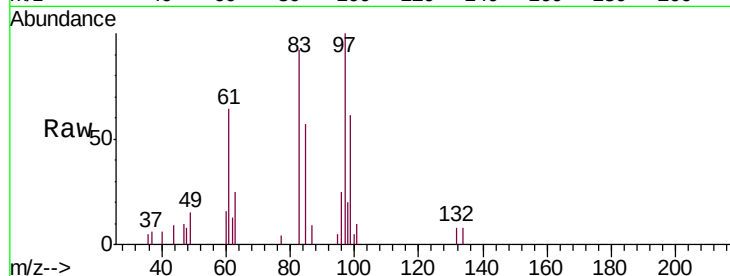




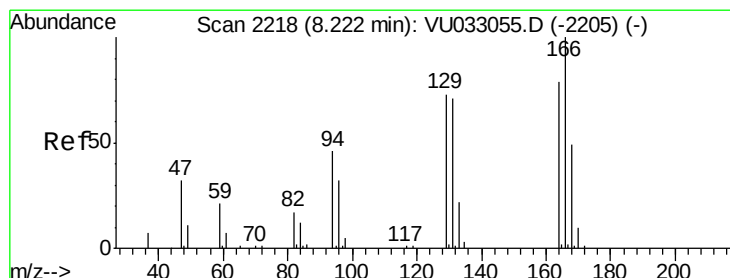
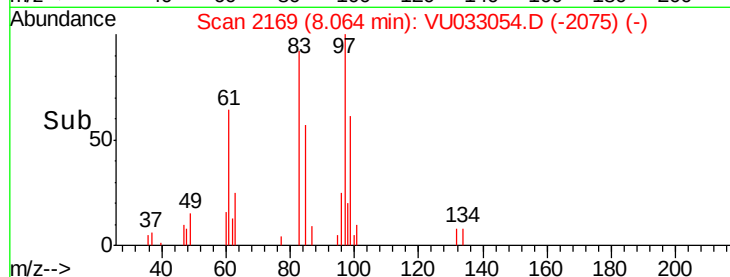
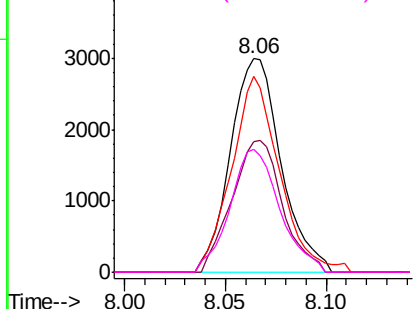
#45
 1,1,2-Trichloroethane
 Concen: 1.054 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tgt Ion:	97	Resp:	5271
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.7	83.1
83	91.5	62.6	116.2
85	57.3	40.5	75.1

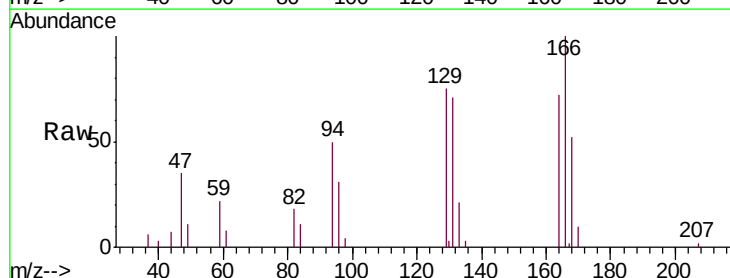


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

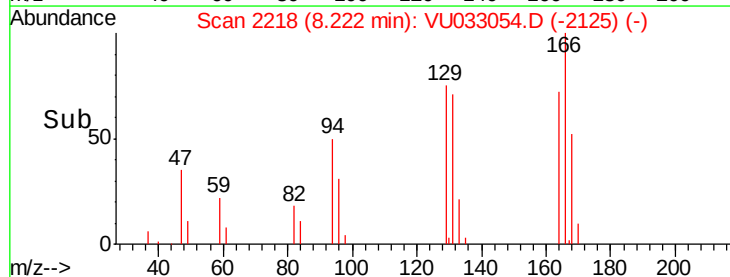
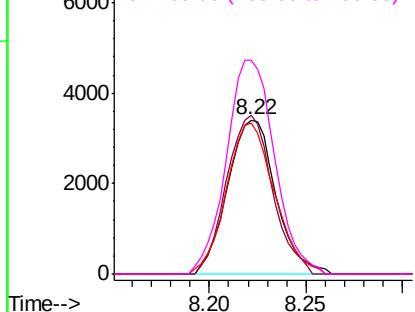


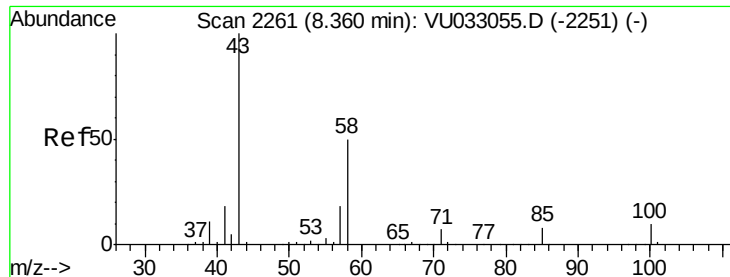
#47
 Tetrachloroethene
 Concen: 1.006 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Tgt Ion:	164	Resp:	5894
Ion	Ratio	Lower	Upper
164	100		
129	103.3	64.9	120.5
131	98.4	63.5	117.9
166	138.4	89.1	165.5



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

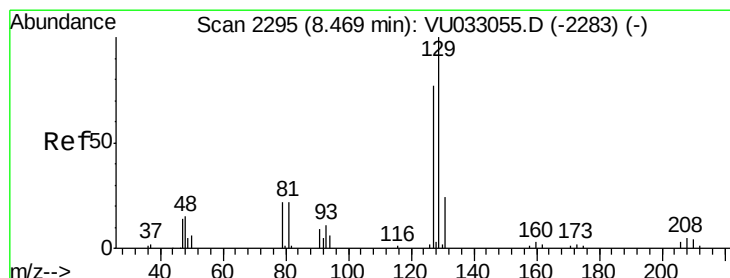
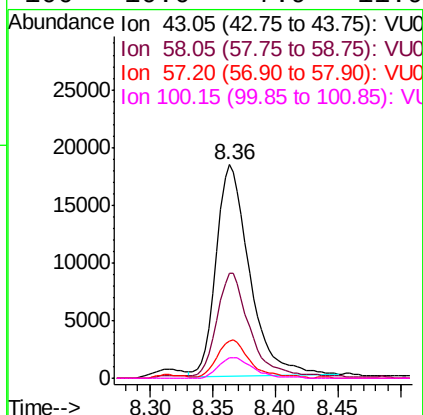
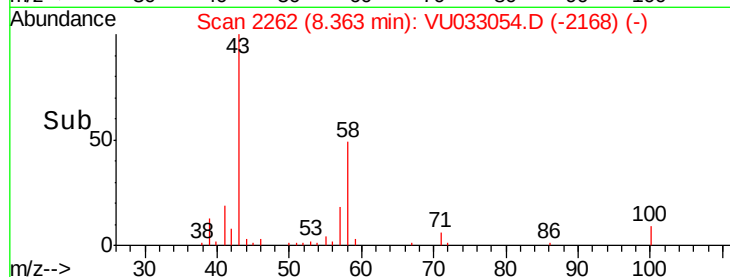
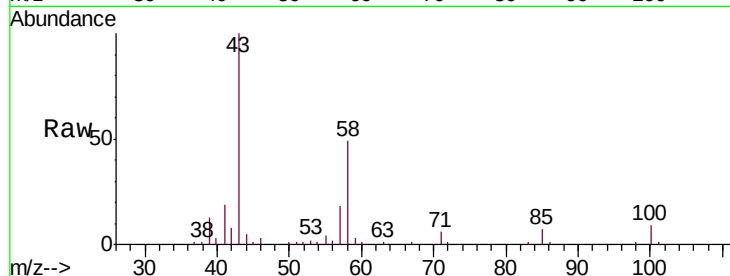




#48
2-Hexanone
Concen: 9.660 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU033054.D
Acq: 27 Jun 2019 10:05

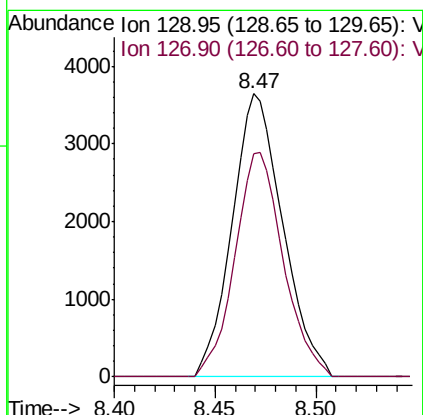
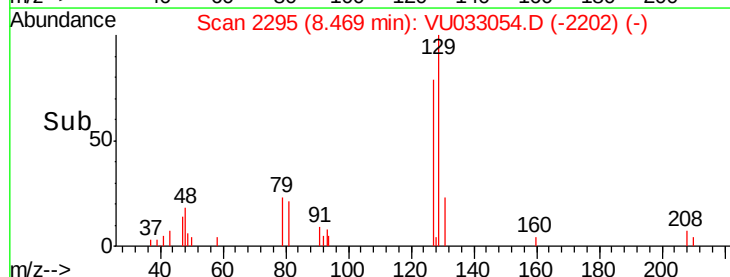
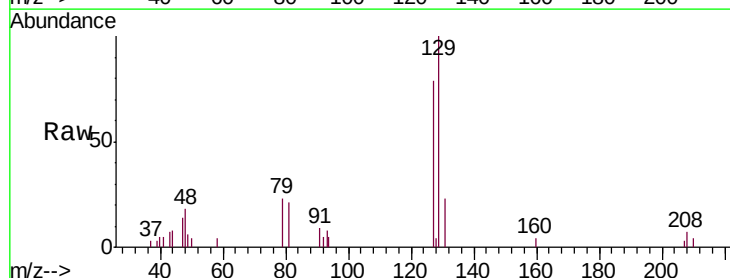
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

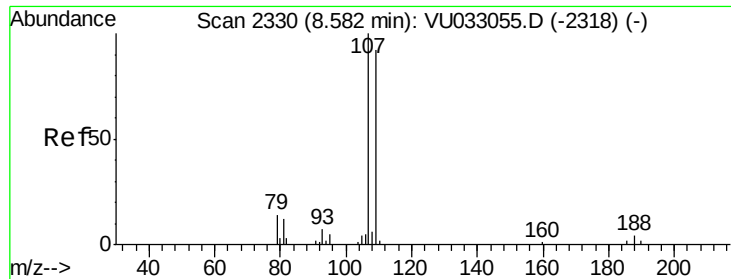
Tgt Ion: 43 Resp: 33978
Ion Ratio Lower Upper
43 100
58 46.8 40.0 60.0
57 18.1 14.0 21.0
100 10.0 7.9 11.9



#49
Dibromochloromethane
Concen: 1.006 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU033054.D
Acq: 27 Jun 2019 10:05

Tgt Ion: 129 Resp: 6382
Ion Ratio Lower Upper
129 100
127 78.7 54.0 100.4





#50

1,2-Dibromoethane

Concen: 0.986 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

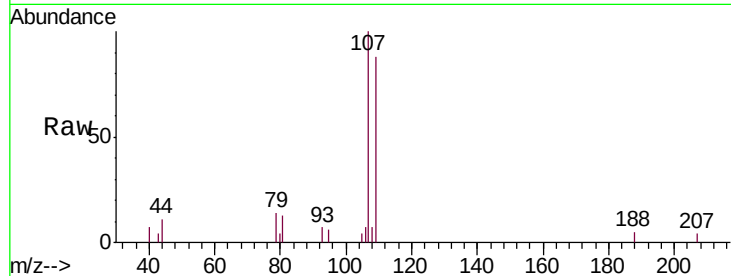
Tgt Ion:107 Resp: 4809

Ion Ratio Lower Upper

107 100

109 87.9 64.7 120.1

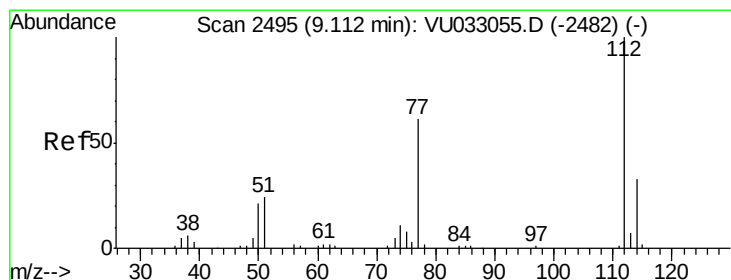
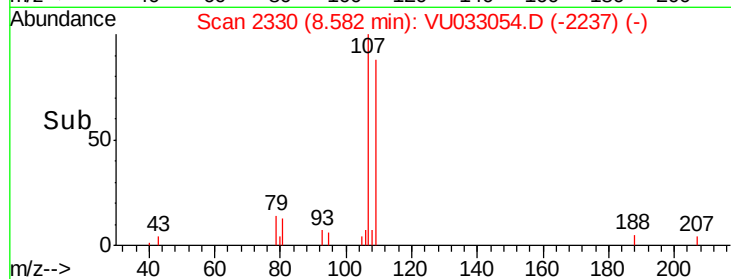
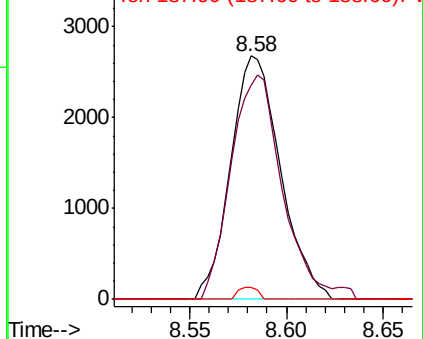
188 5.0 2.9 4.3#



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: 1.079 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

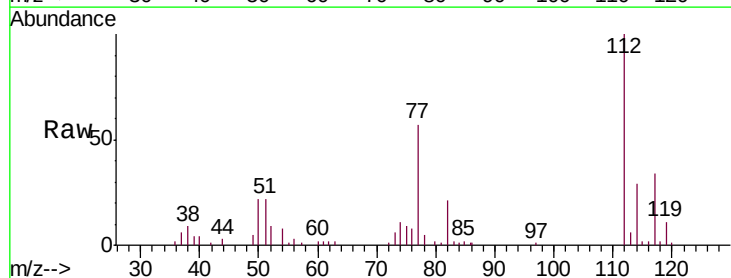
Tgt Ion:112 Resp: 20256

Ion Ratio Lower Upper

112 100

114 28.5 23.3 43.3

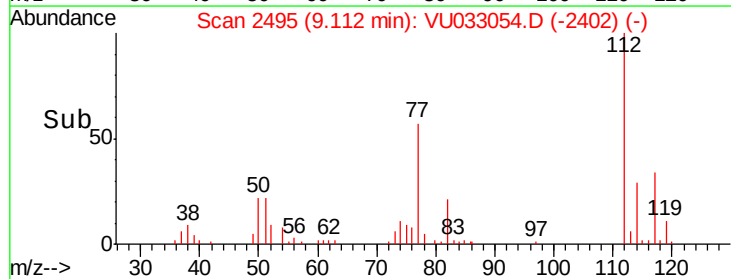
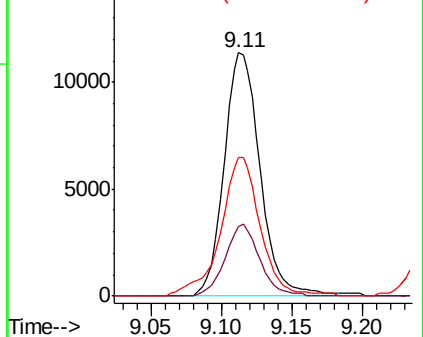
77 56.8 48.9 73.3

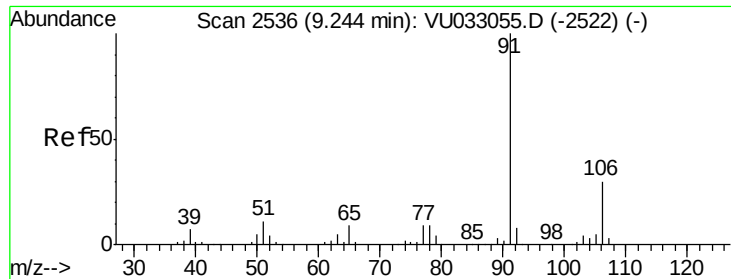


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.984 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

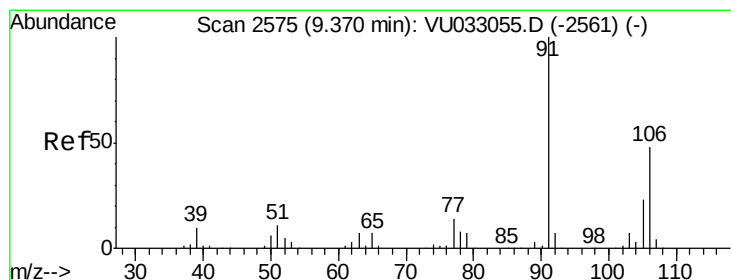
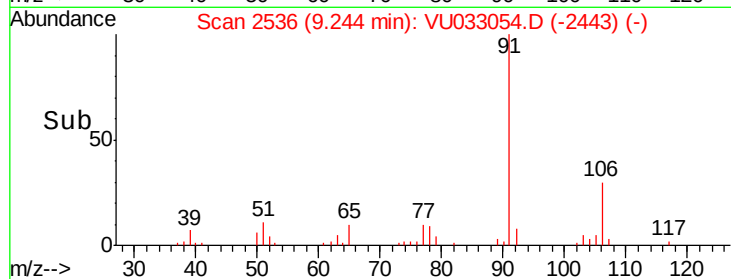
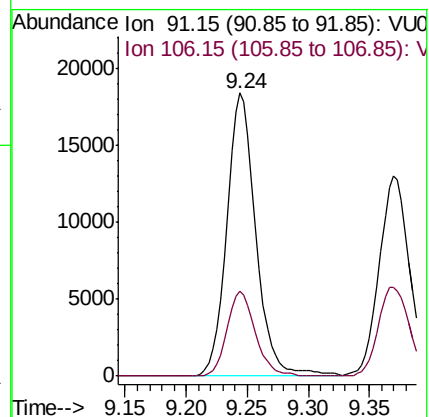
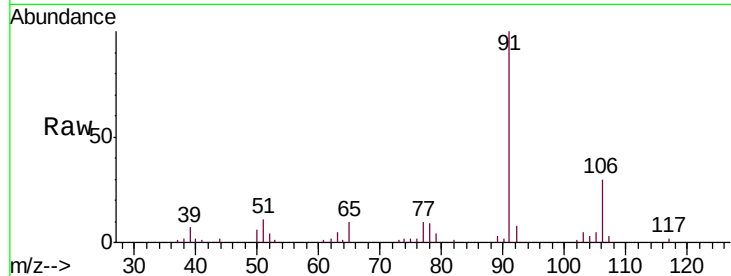
VSTD00102

Tgt Ion: 91 Resp: 30775

Ion Ratio Lower Upper

91 100

106 29.9 21.2 39.4



#53

m,p-Xylene

Concen: 0.907 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU033054.D

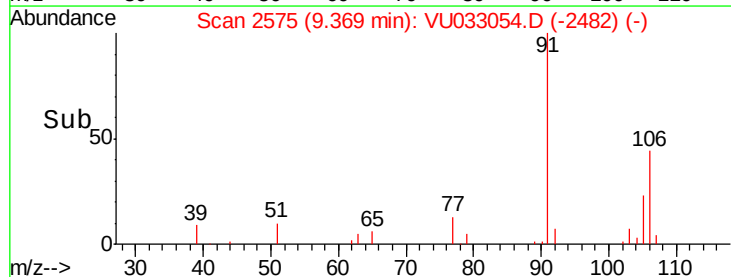
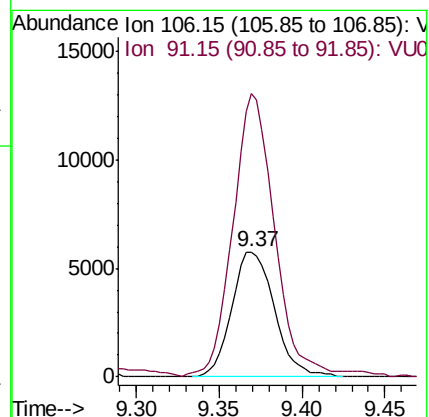
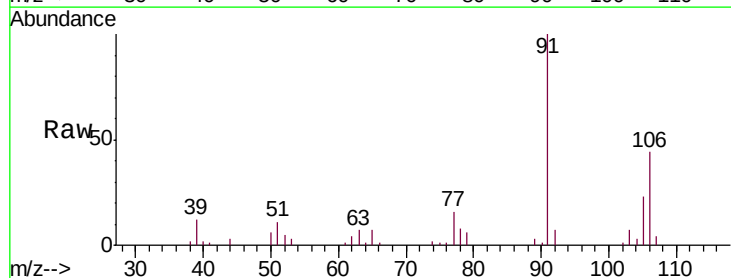
Acq: 27 Jun 2019 10:05

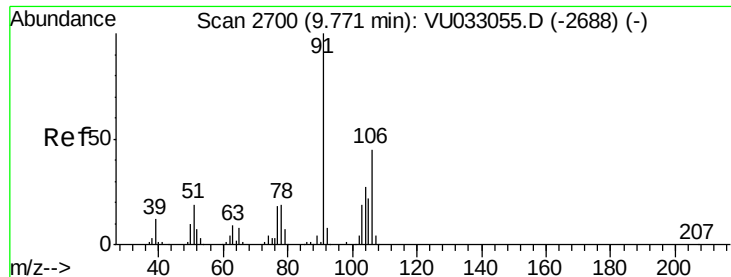
Tgt Ion: 106 Resp: 10298

Ion Ratio Lower Upper

106 100

91 226.3 146.4 272.0

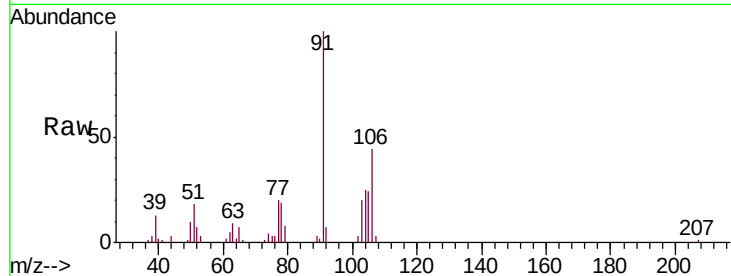




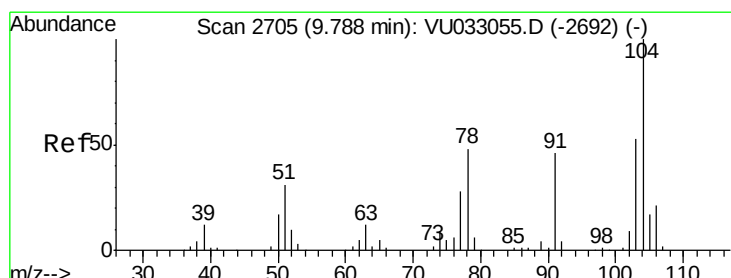
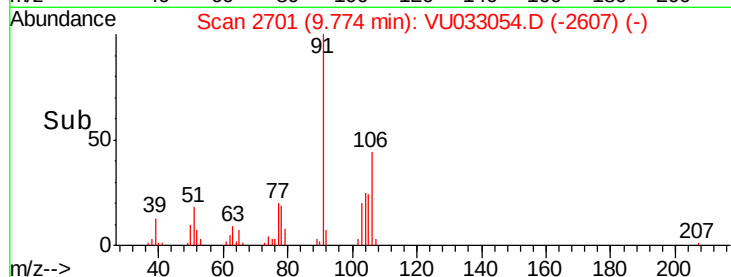
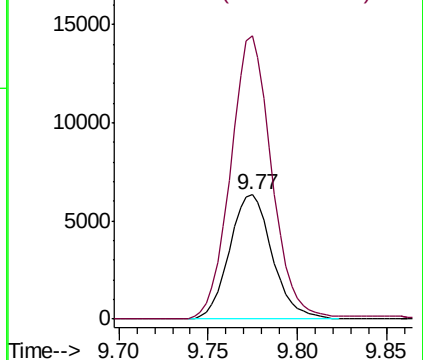
#54
o-Xylene
Concen: 0.957 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033054.D
Acq: 27 Jun 2019 10:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tgt Ion:106 Resp: 10584
Ion Ratio Lower Upper
106 100
91 227.2 155.1 288.1

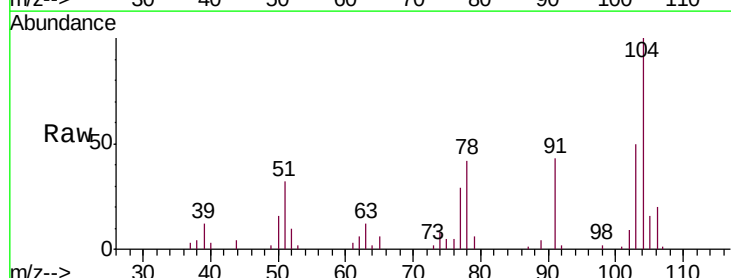


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

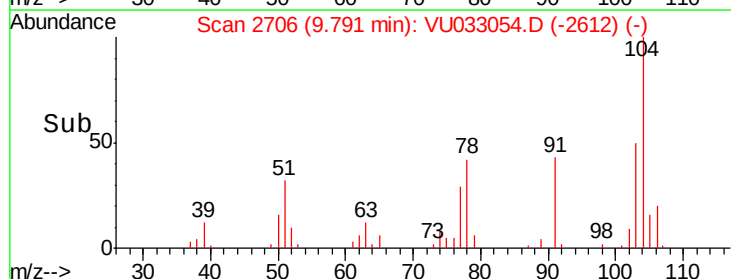
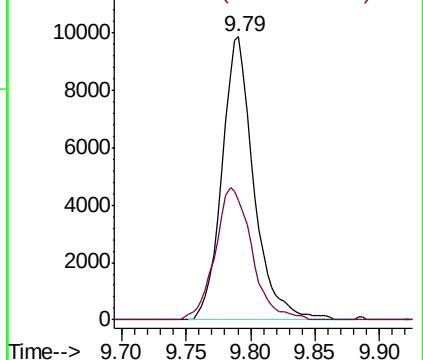


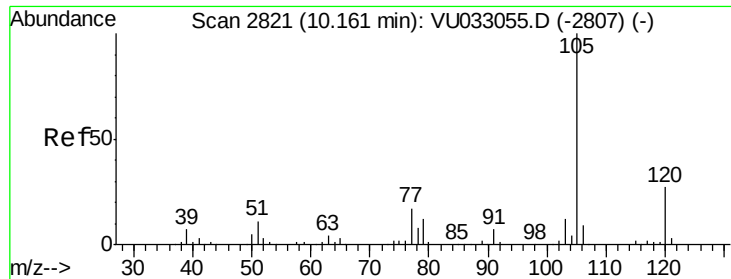
#55
Styrene
Concen: 0.903 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU033054.D
Acq: 27 Jun 2019 10:05

Tgt Ion:104 Resp: 16919
Ion Ratio Lower Upper
104 100
78 42.4 33.9 62.9



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





#56

Isopropylbenzene

Concen: 0.949 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

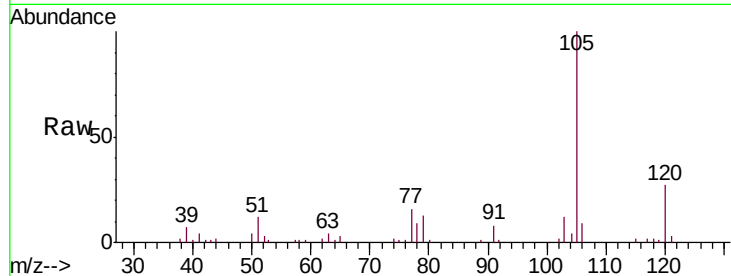
Tgt Ion:105 Resp: 28496

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

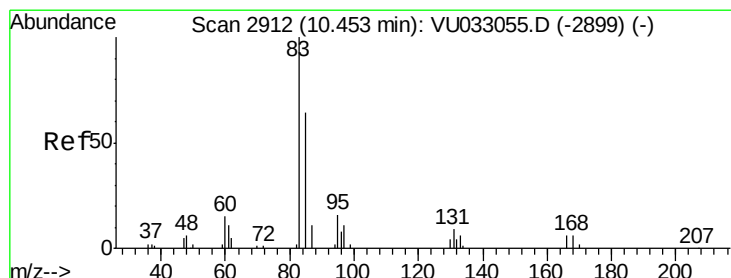
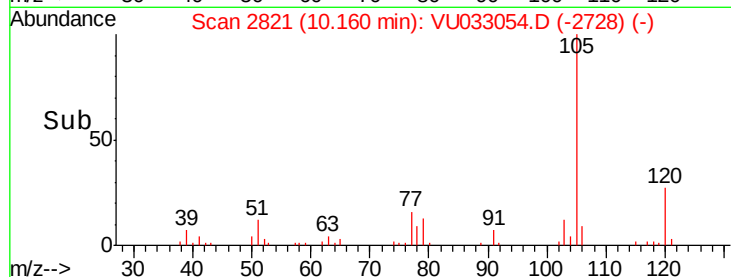
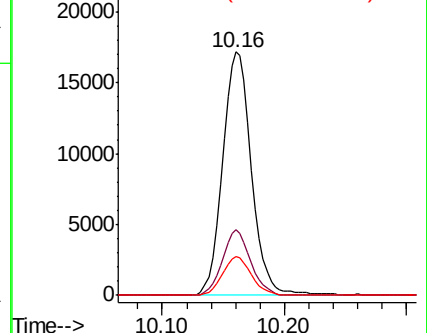
77 15.8 13.6 20.4



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: 1.021 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

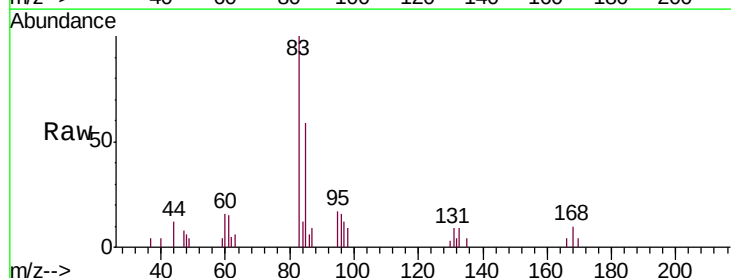
Tgt Ion: 83 Resp: 6624

Ion Ratio Lower Upper

83 100

85 58.6 45.7 84.9

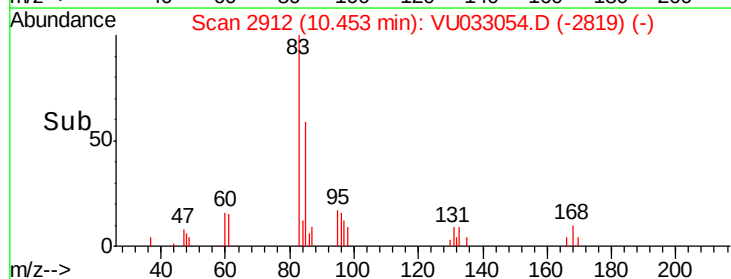
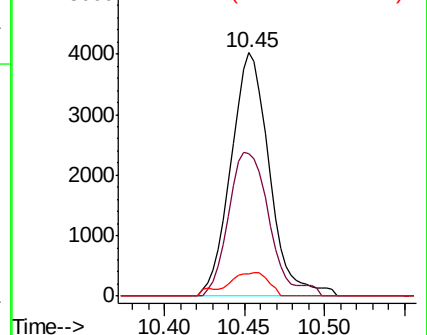
131 9.2 7.7 11.5

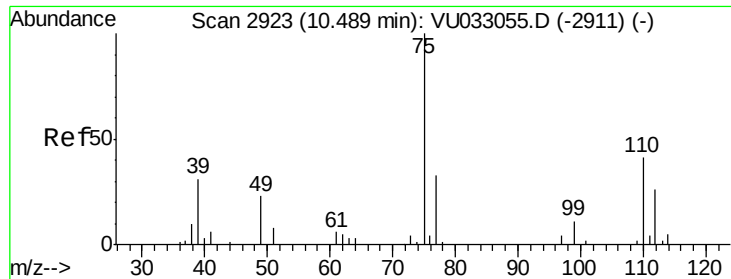


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

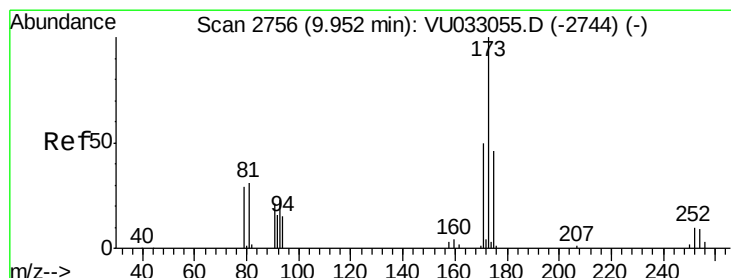
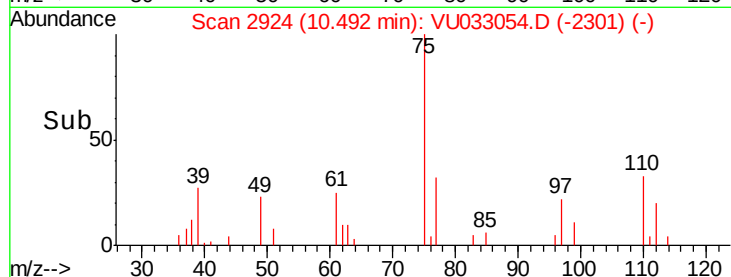
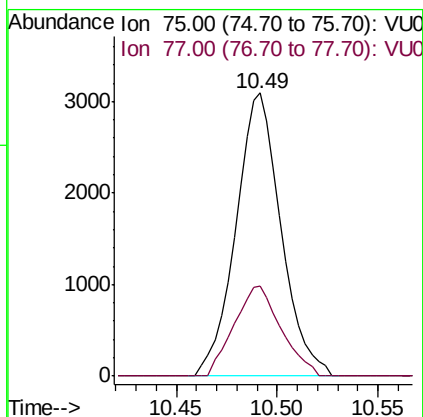
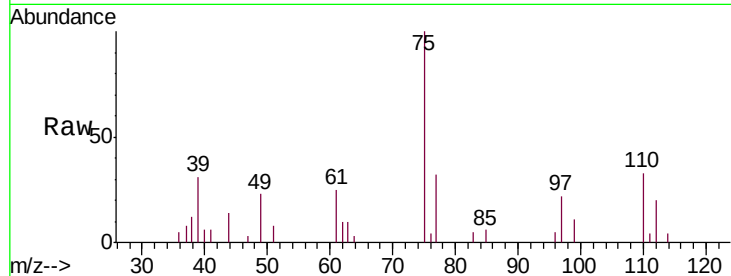




#59
 1,2,3-Trichloropropane
 Concen: 1.015 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

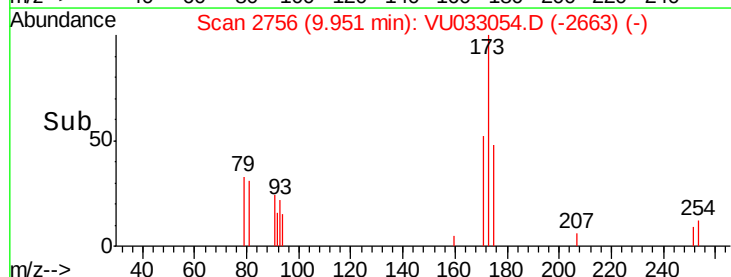
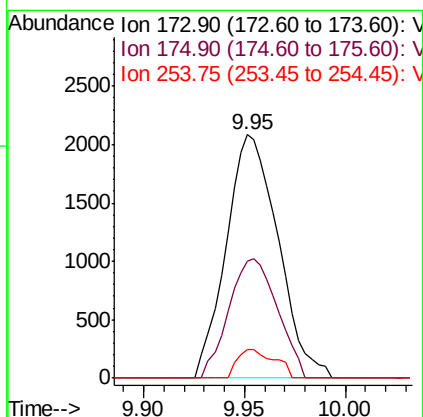
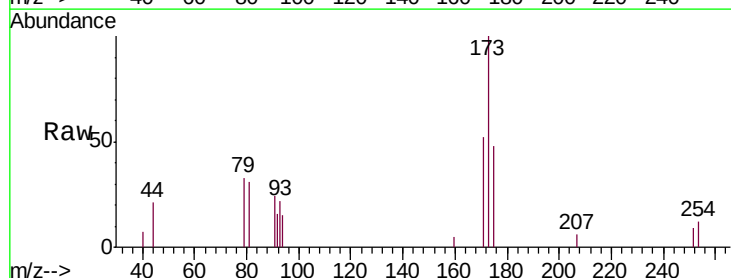
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

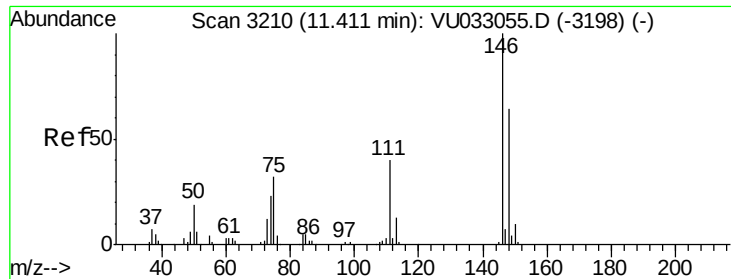
Tgt Ion: 75 Resp: 4843
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.2



#61
 Bromoform
 Concen: 1.052 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Tgt Ion: 173 Resp: 3743
 Ion Ratio Lower Upper
 173 100
 175 45.9 37.7 56.5
 254 8.5 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 1.022 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

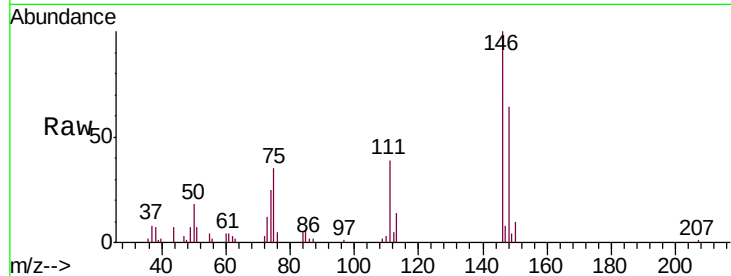
Tgt Ion:146 Resp: 14941

Ion Ratio Lower Upper

146 100

111 39.2 27.7 51.5

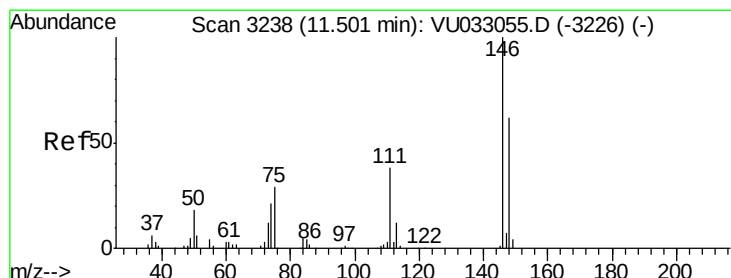
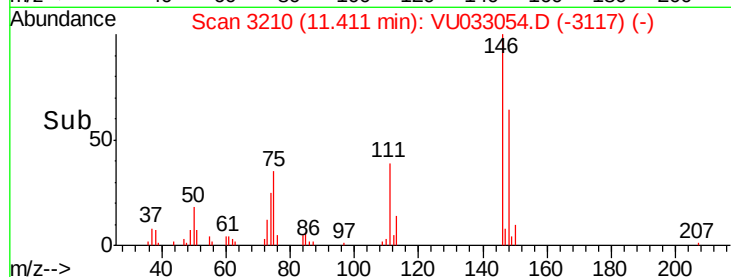
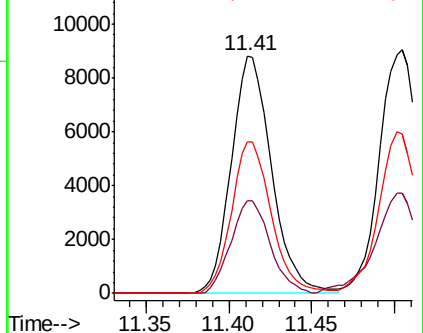
148 63.8 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.045 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

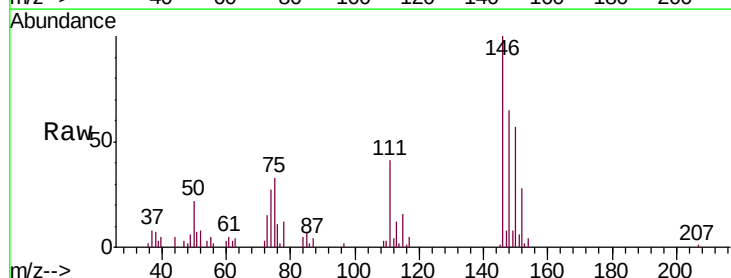
Tgt Ion:146 Resp: 15933

Ion Ratio Lower Upper

146 100

111 41.1 26.7 49.7

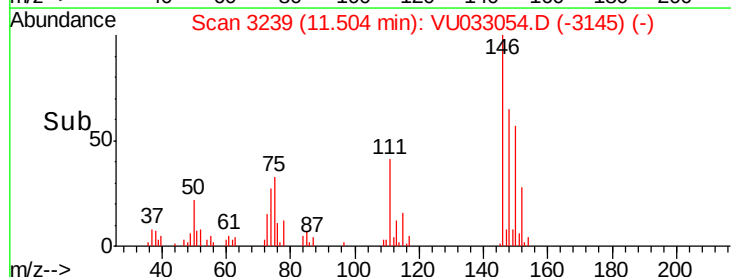
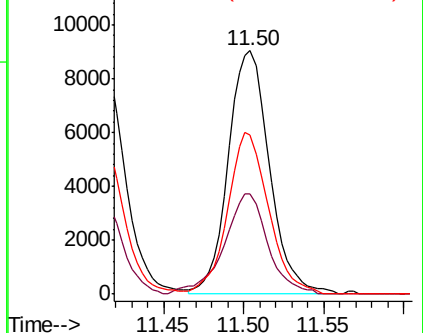
148 65.2 43.6 81.0

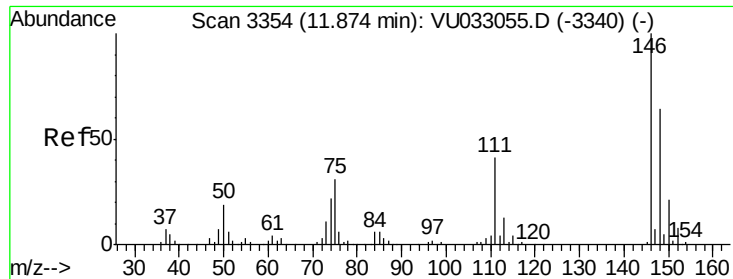


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.020 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

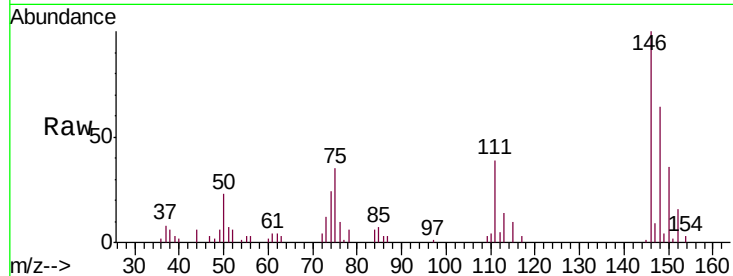
Tgt Ion:146 Resp: 14453

Ion Ratio Lower Upper

146 100

111 39.5 33.2 49.8

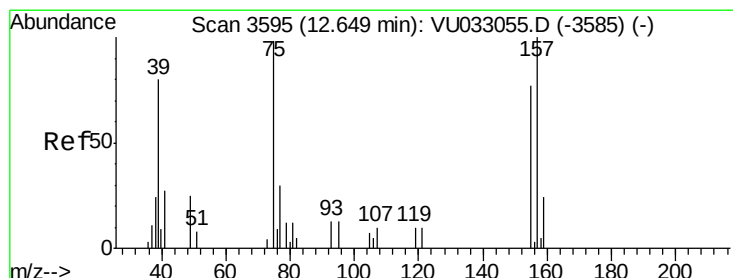
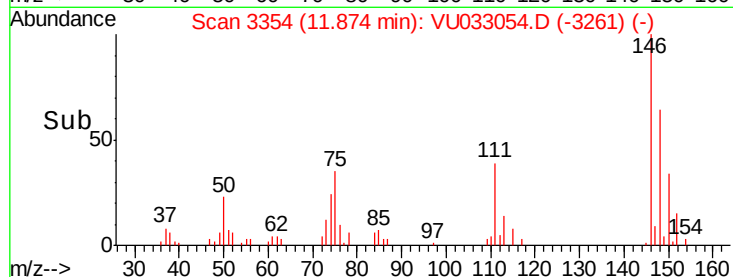
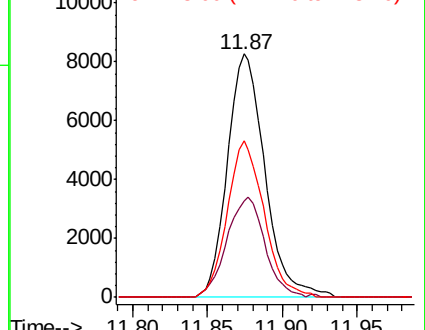
148 64.3 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.965 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.01 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

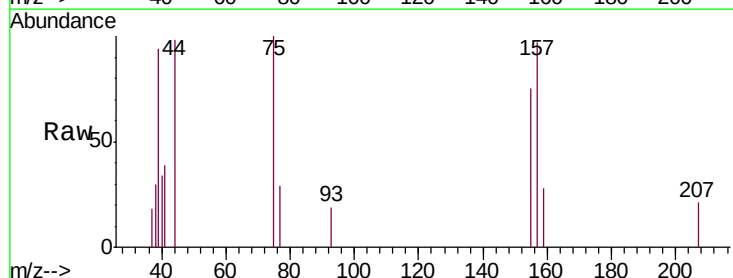
Tgt Ion: 75 Resp: 941

Ion Ratio Lower Upper

75 100

155 75.0 62.9 94.3

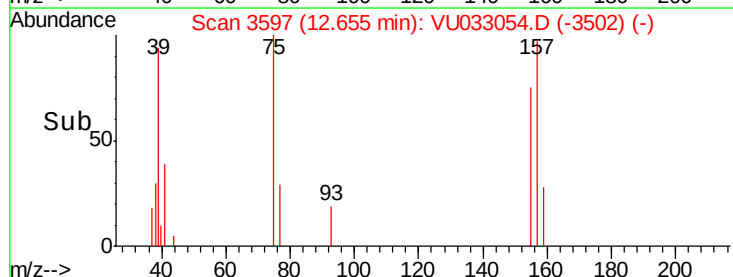
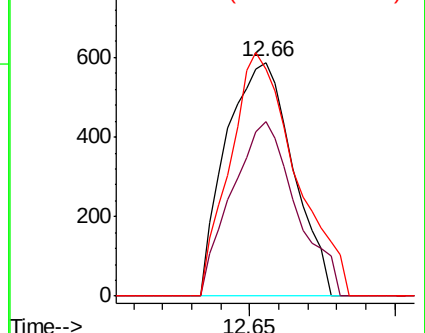
157 97.3 82.0 123.0

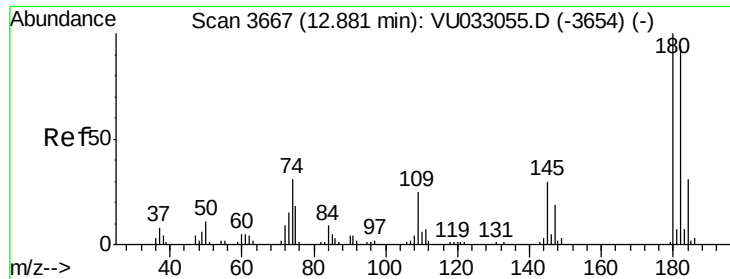


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

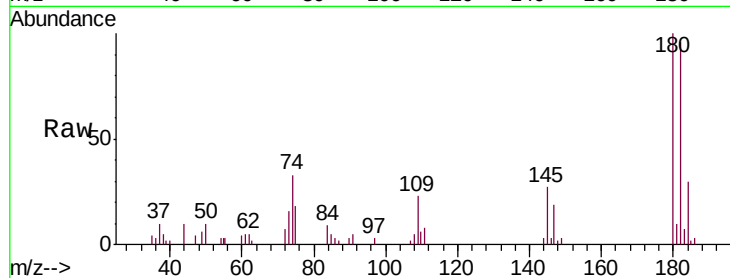




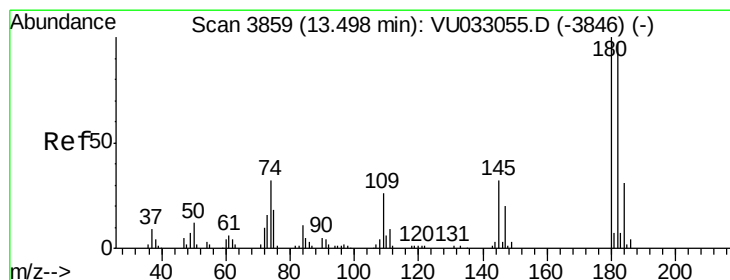
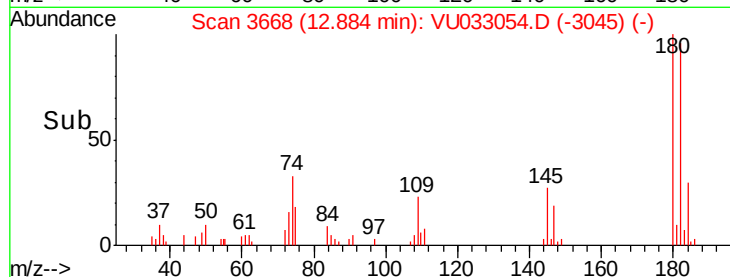
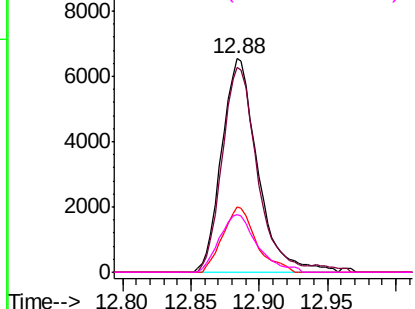
#67
 1,3,5-Trichlorobenzene
 Concen: 1.032 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tgt Ion:180 Resp: 12024
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.6 114.8
 184 28.3 24.6 36.8
 145 28.2 23.8 35.6

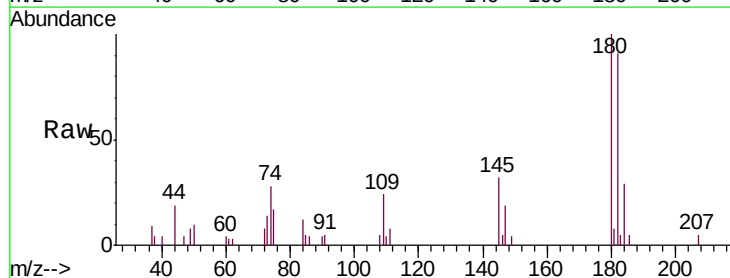


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

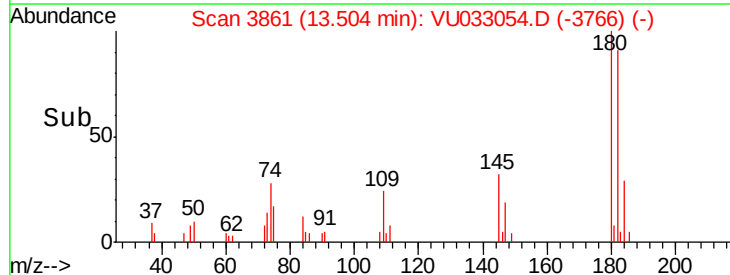
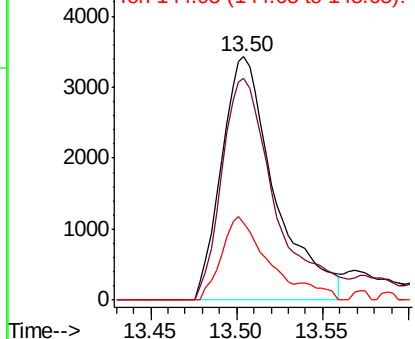


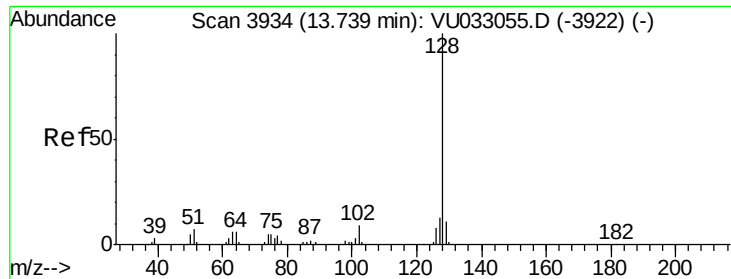
#68
 1,2,4-trichlorobenzene
 Concen: 0.886 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU033054.D
 Acq: 27 Jun 2019 10:05

Tgt Ion:180 Resp: 7378
 Ion Ratio Lower Upper
 180 100
 182 91.9 79.1 118.7
 145 31.2 24.3 36.5



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: 0.689 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

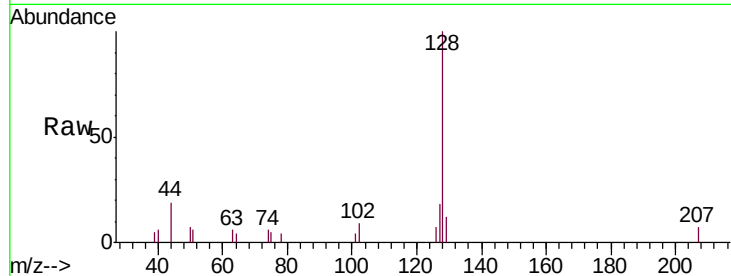
Tgt Ion:128 Resp: 7648

Ion Ratio Lower Upper

128 100

129 9.1 8.6 12.8

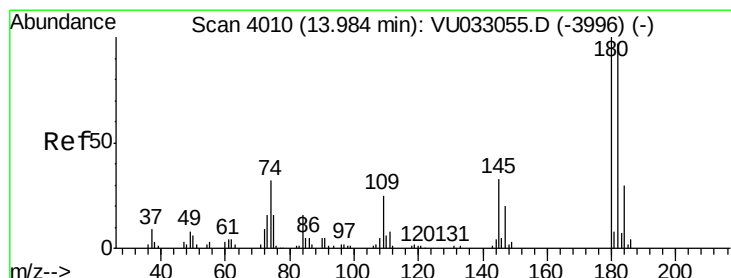
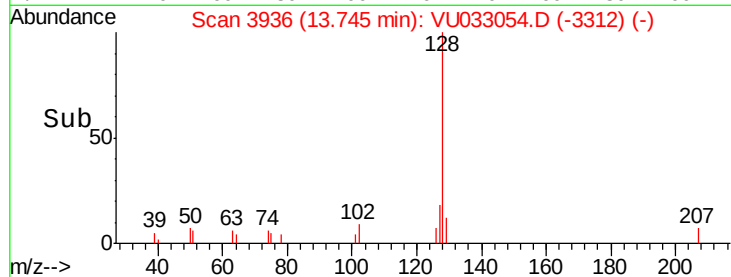
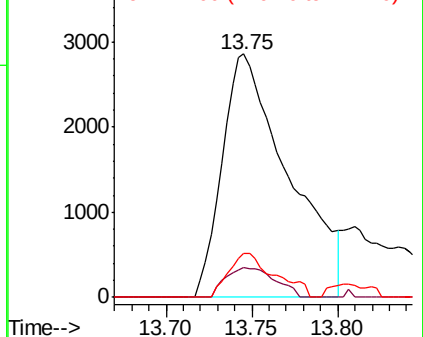
127 12.6 10.9 16.3



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: 0.905 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU033054.D

Acq: 27 Jun 2019 10:05

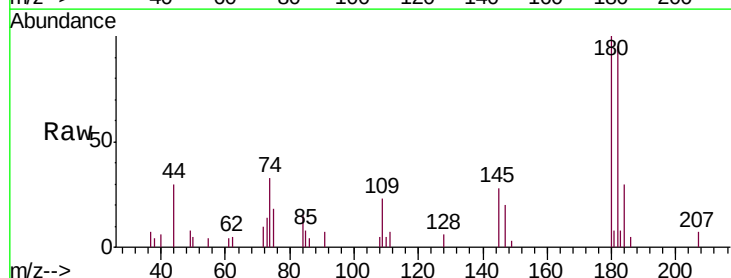
Tgt Ion:180 Resp: 7385

Ion Ratio Lower Upper

180 100

182 86.9 74.8 112.2

145 25.4 25.7 38.5#



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

