

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032393.D
 Acq On : 03 Jun 2019 15:10
 Operator : JC/SP
 Sample : VSTD00510
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Jun 04 08:32:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:29:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	114780	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	110947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53496	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51039	5.00	ug/L	0.00
7) Chloroethane-d5	1.68	69	63035	5.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	123583	5.00	ug/L	0.00
20) 2-Butanone-d5	4.19	46	124937	50.00	ug/L	0.00
24) Chloroform-d	4.64	84	80443	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	43875	5.00	ug/L	0.00
32) Benzene-d6	5.33	84	149875	5.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	49069	5.00	ug/L	0.00
41) Toluene-d8	7.56	98	141686	5.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	23297	5.00	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	104381	50.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41022	5.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	50046	5.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	94664	5.000 ug/L	100
3) Chloromethane	1.32	50	96815	5.000 ug/L	100
5) Vinyl chloride	1.40	62	103619	5.000 ug/L	100
6) Bromomethane	1.63	94	72323	5.000 ug/L	100
8) Chloroethane	1.69	64	100697	5.000 ug/L	100
9) Trichlorofluoromethane	1.88	101	147894	5.000 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	81046	5.000 ug/L	100
12) 1,1-Dichloroethene	2.28	96	75475	5.000 ug/L	100
13) Acetone	2.33	43	197784	50.000 ug/L	100
14) Carbon disulfide	2.47	76	254302	5.000 ug/L	100
15) Methyl Acetate	2.62	43	47465	5.000 ug/L	100
16) Methylene chloride	2.69	84	86298	5.000 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	246446	5.000 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	85966	5.000 ug/L	100
19) 1,1-Dichloroethane	3.43	63	143011	5.000 ug/L	100
21) 2-Butanone	4.28	43	263880	50.000 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	81483	5.000 ug/L	100
23) Bromochloromethane	4.54	128	33686	5.000 ug/L	100
25) Chloroform	4.67	83	147764	5.000 ug/L	100
27) 1,2-Dichloroethane	5.40	62	102703	5.000 ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	128911	5.000 ug/L	100
30) Cyclohexane	4.98	56	141067	5.000 ug/L	100
31) Carbon tetrachloride	5.13	117	114154	5.000 ug/L	100
33) Benzene	5.38	78	312359	5.000 ug/L	100
34) Trichloroethene	6.18	95	84377	5.000 ug/L	100
35) Methylcyclohexane	6.41	83	142368	5.000 ug/L	100
37) 1,2-Dichloropropane	6.43	63	84379	5.000 ug/L	100
38) Bromodichloromethane	6.75	83	111838	5.000 ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	138597	5.000 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	640810	50.000 ug/L	100

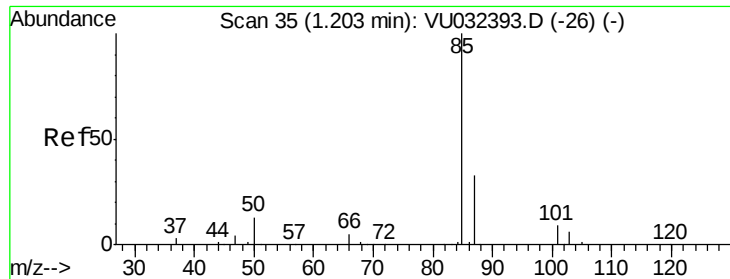
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	341593	5.000	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	112270	5.000	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	59600	5.000	ug/L	100
47) Tetrachloroethene	8.22	164	58842	5.000	ug/L	100
48) 2-Hexanone	8.36	43	468653	50.000	ug/L	100
49) Dibromochloromethane	8.47	129	74817	5.000	ug/L	100
50) 1,2-Dibromoethane	8.58	107	58850	5.000	ug/L	100
51) Chlorobenzene	9.11	112	209621	5.000	ug/L	100
52) Ethylbenzene	9.24	91	388007	5.000	ug/L	100
53) m,p-Xylene	9.37	106	143918	5.000	ug/L	100
54) o-Xylene	9.77	106	142236	5.000	ug/L	100
55) Styrene	9.79	104	239081	5.000	ug/L	100
56) Isopropylbenzene	10.16	105	374742	5.000	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	78559	5.000	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	55719	5.000	ug/L	100
61) Bromoform	9.95	173	43051	5.000	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	162020	5.000	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	162400	5.000	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	153918	5.000	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	15154	5.000	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	125380	5.000	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	108906	5.000	ug/L	100
69) Naphthalene	13.74	128	214236	5.000	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	102173	5.000	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.000 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

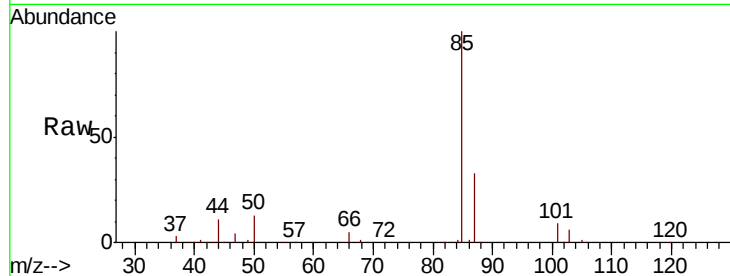
VSTD00510

Tgt Ion: 85 Resp: 94664

Ion Ratio Lower Upper

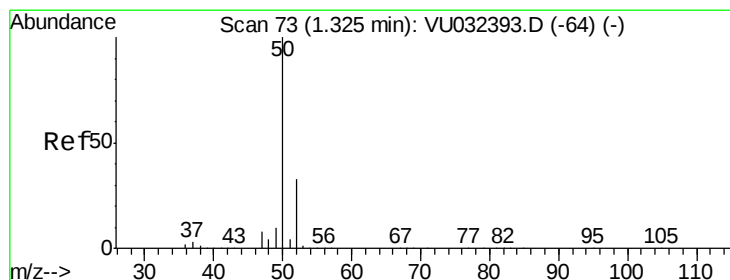
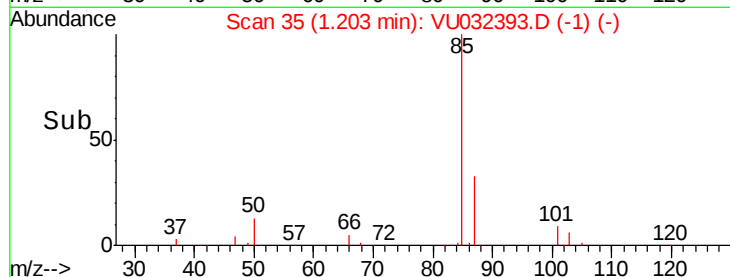
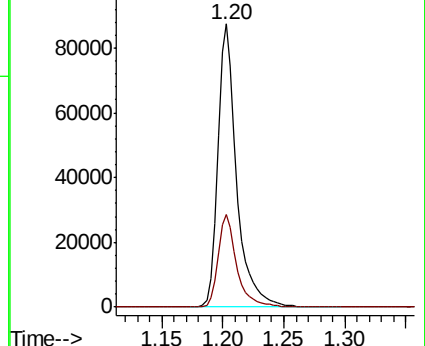
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032393.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU032393.D (-26) (-)



#3

Chloromethane

Concen: 5.000 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032393.D

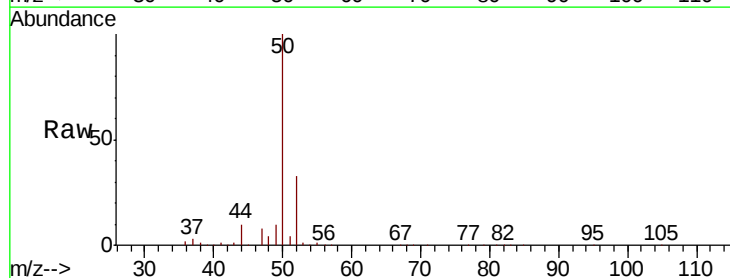
Acq: 03 Jun 2019 15:10

Tgt Ion: 50 Resp: 96815

Ion Ratio Lower Upper

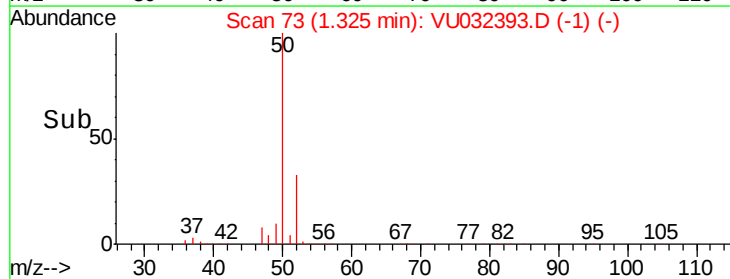
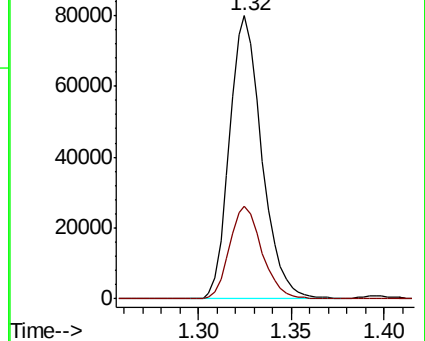
50 100

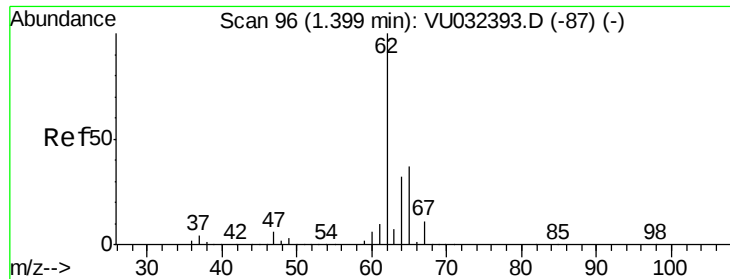
52 32.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU032393.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032393.D (-64) (-)





#5

Vinyl chloride

Concen: 5.000 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

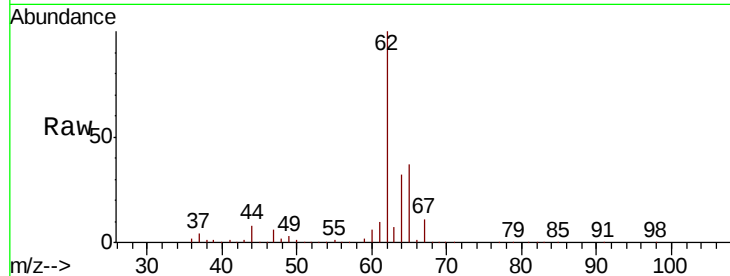
VSTD00510

Tgt Ion: 62 Resp: 103619

Ion Ratio Lower Upper

62 100

64 31.8 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU032393.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032393.D (-87) (-)

1.40

100000

80000

60000

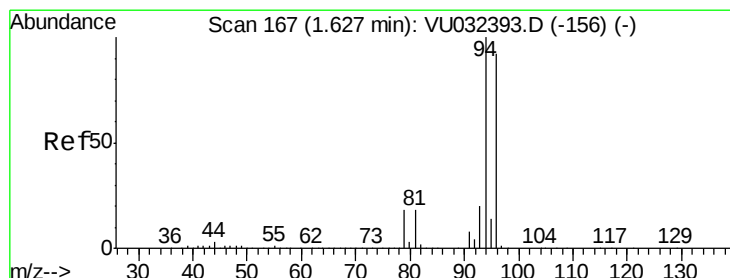
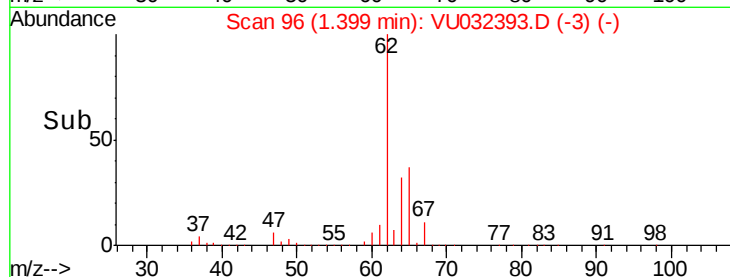
40000

20000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 5.000 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032393.D

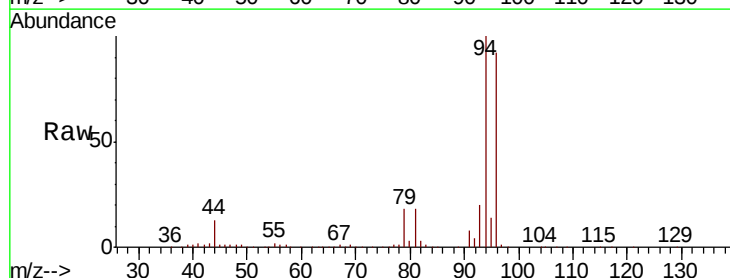
Acq: 03 Jun 2019 15:10

Tgt Ion: 94 Resp: 72323

Ion Ratio Lower Upper

94 100

96 91.7 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU032393.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032393.D (-156) (-)

1.63

60000

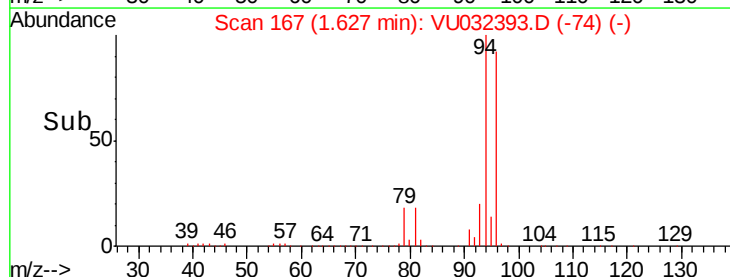
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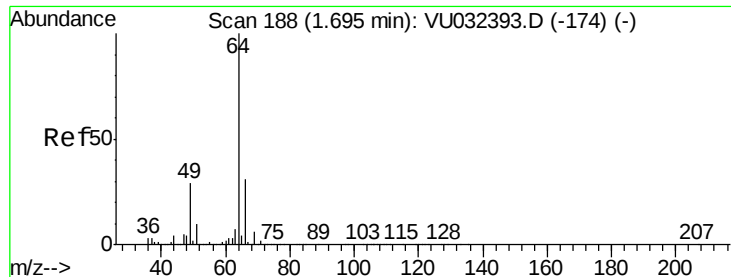
20000

0

1.55 1.60 1.65 1.70

Time-->

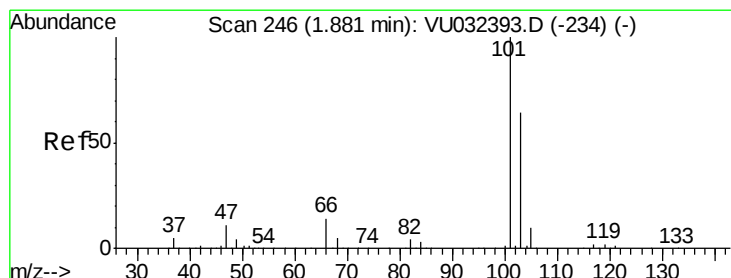
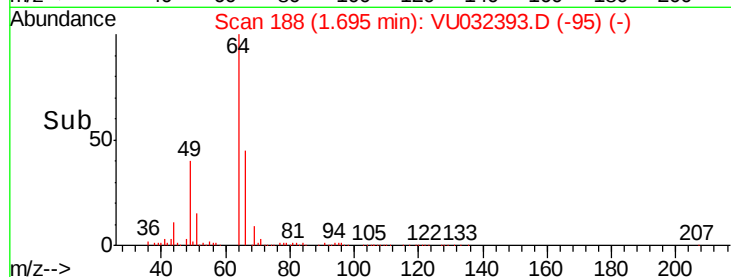
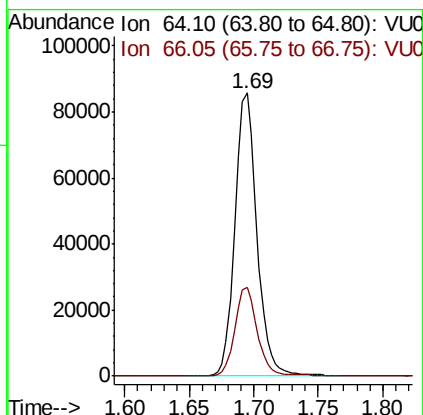
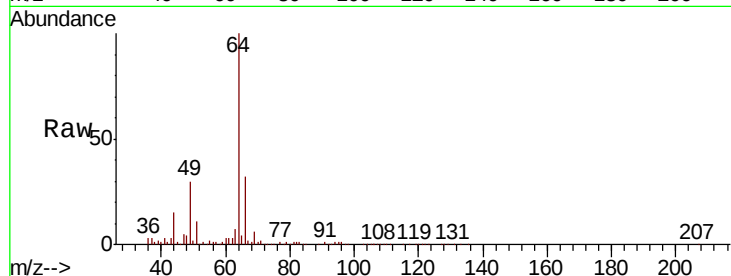




#8
Chloroethane
Concen: 5.000 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

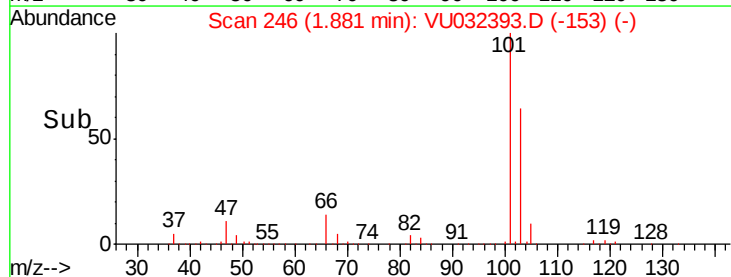
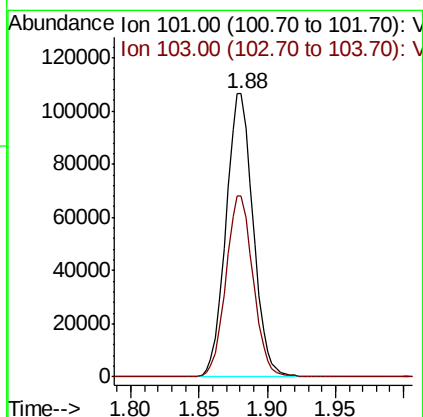
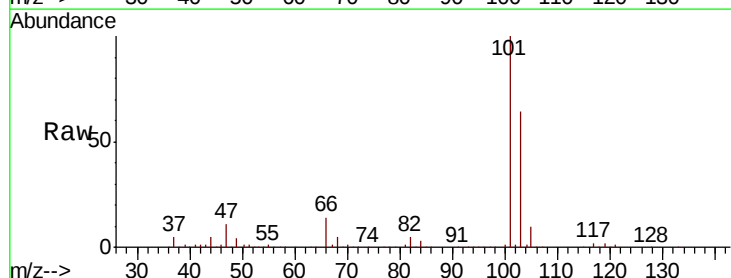
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

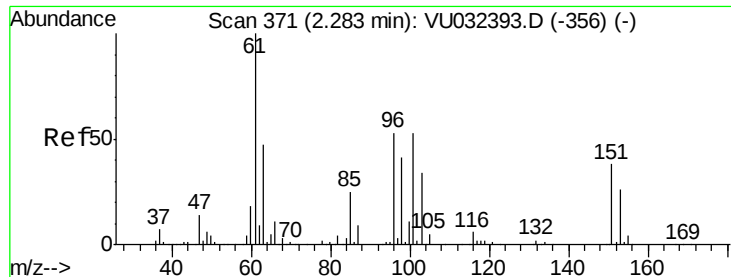
Tgt Ion: 64 Resp: 100697
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.000 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion: 101 Resp: 147894
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9





#10

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

Concen: 5.000 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

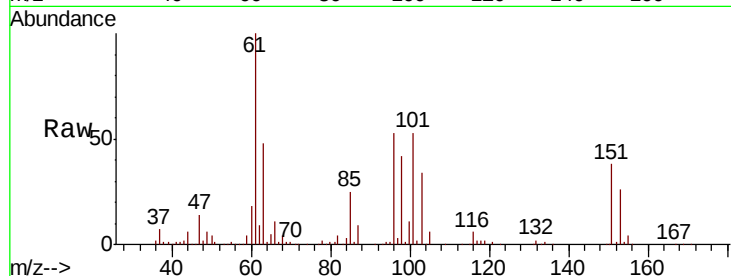
Tgt Ion: 101 Resp: 81046

Ion Ratio Lower Upper

101 100

85 47.5 38.0 57.0

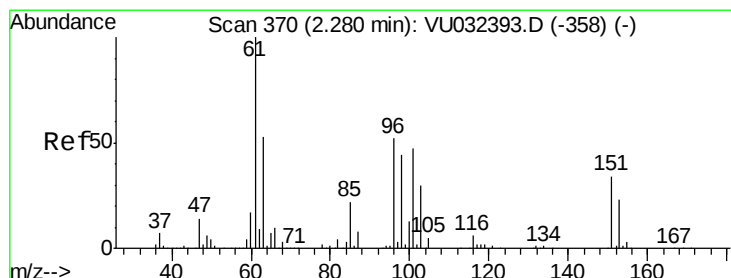
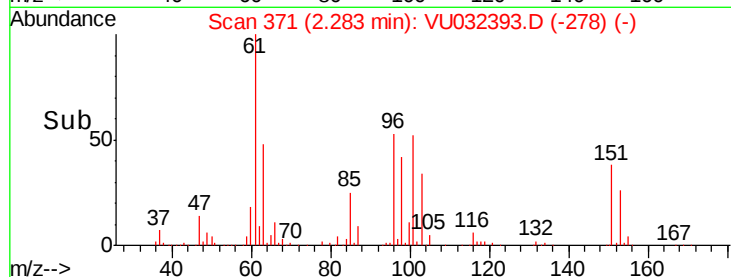
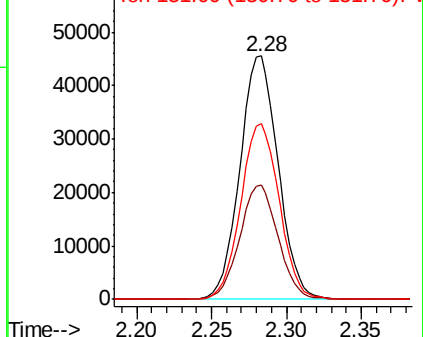
151 72.6 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.000 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

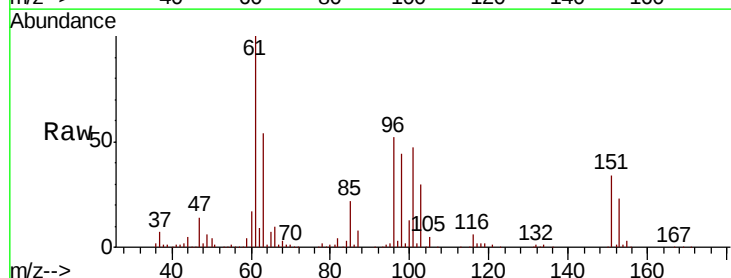
Tgt Ion: 96 Resp: 75475

Ion Ratio Lower Upper

96 100

61 190.8 133.6 248.0

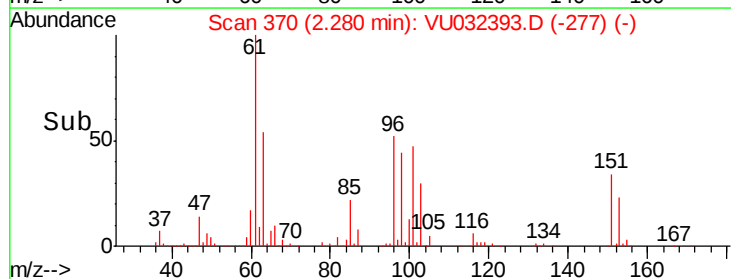
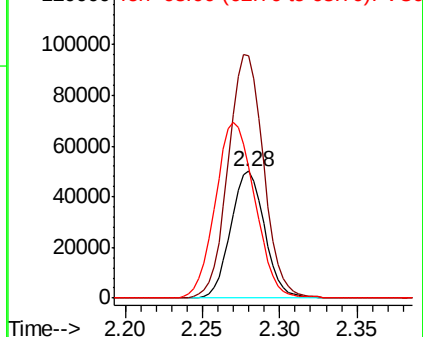
63 103.4 72.4 134.4

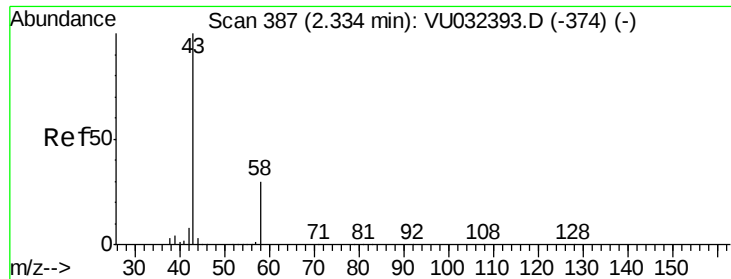


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.000 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

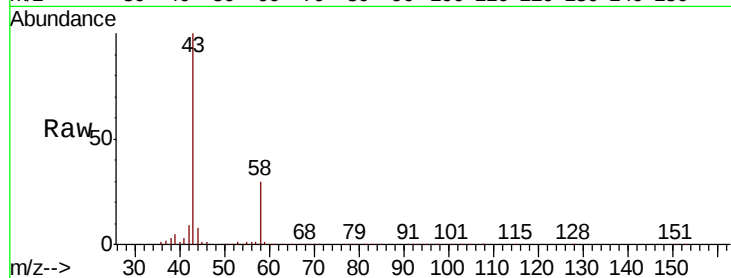
VSTD00510

Tgt Ion: 43 Resp: 197784

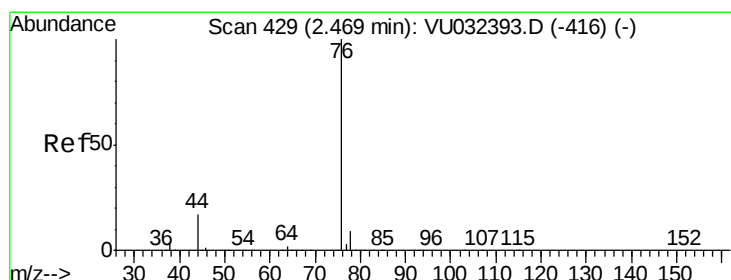
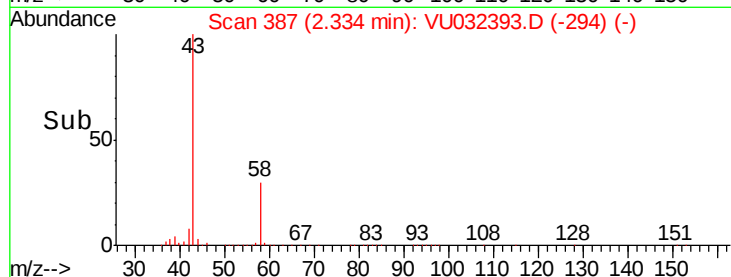
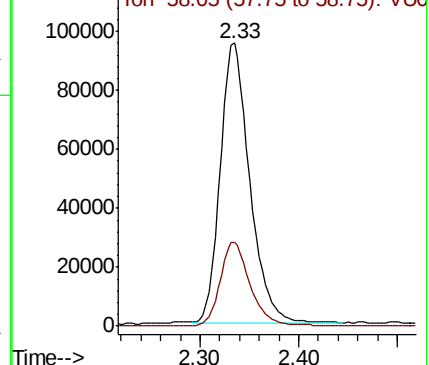
Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VU032393.D (-374) (-)



#14

Carbon disulfide

Concen: 5.000 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032393.D

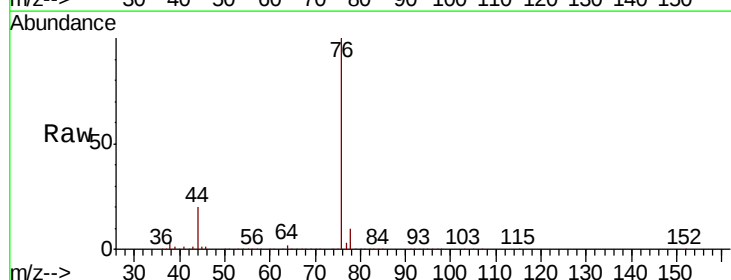
Acq: 03 Jun 2019 15:10

Tgt Ion: 76 Resp: 254302

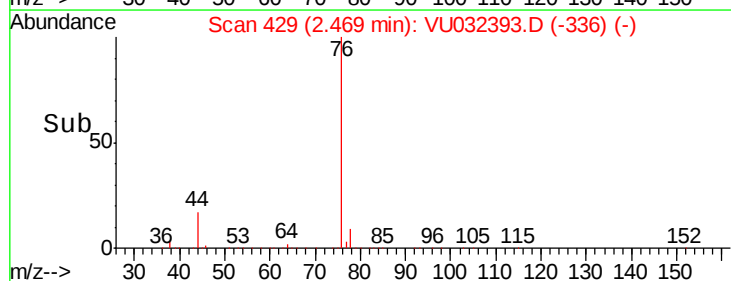
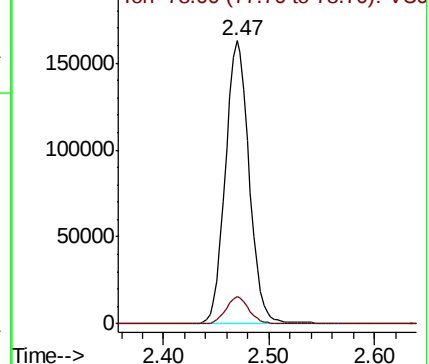
Ion Ratio Lower Upper

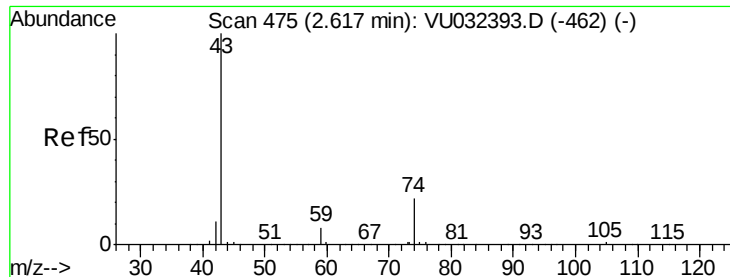
76 100

78 9.5 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU032393.D (-416) (-)

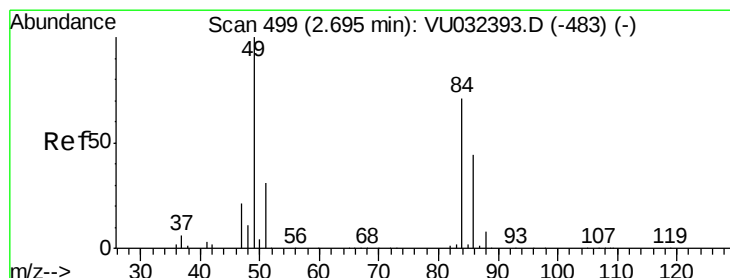
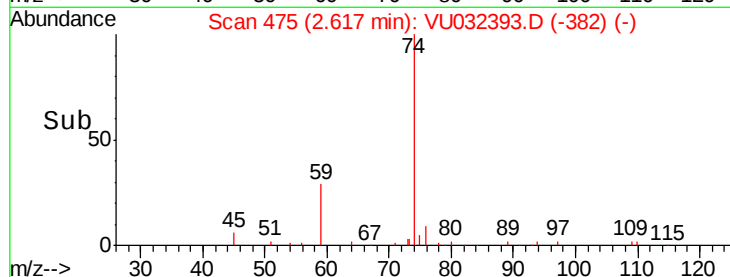
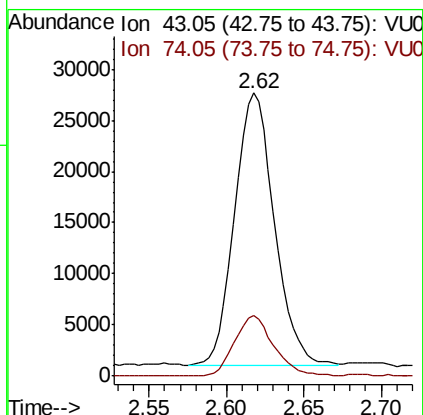
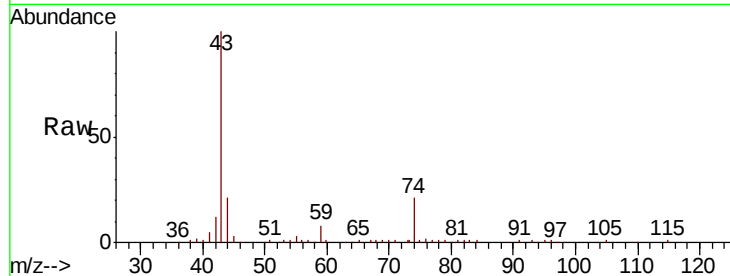




#15
Methyl Acetate
Concen: 5.000 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

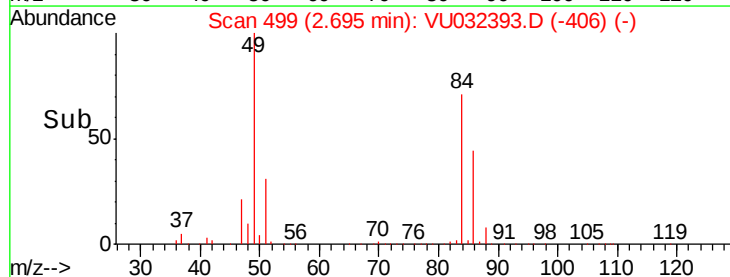
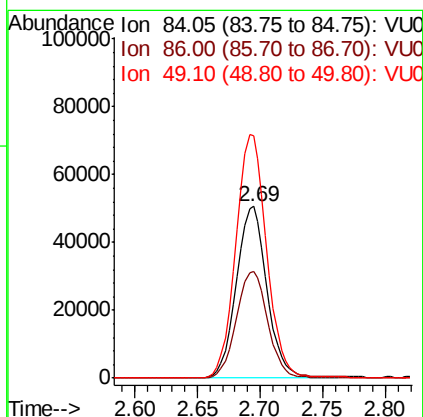
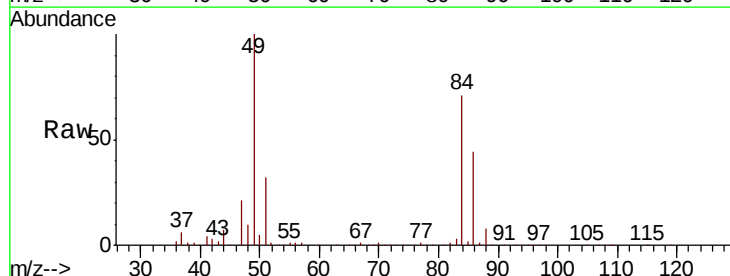
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

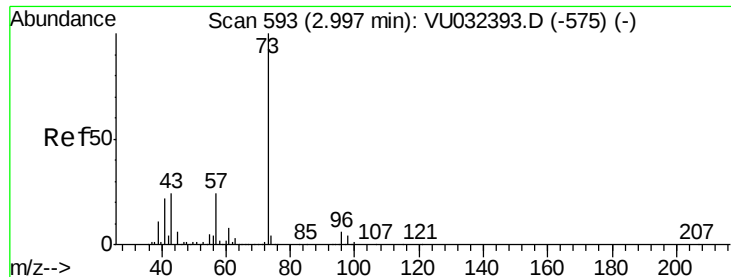
Tgt Ion: 43 Resp: 47465
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5



#16
Methylene chloride
Concen: 5.000 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion: 84 Resp: 86298
Ion Ratio Lower Upper
84 100
86 62.6 43.8 81.4
49 141.2 98.8 183.6

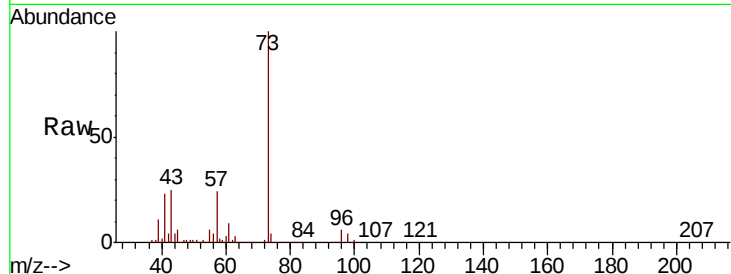




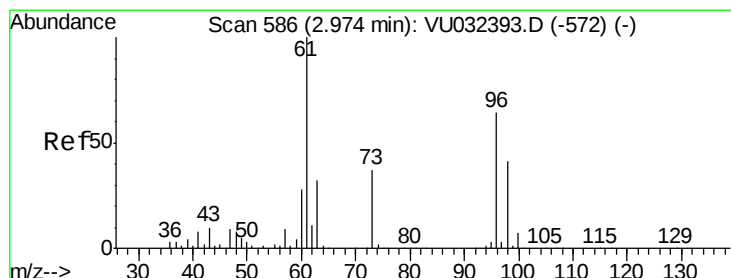
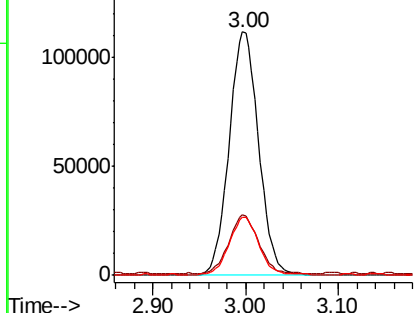
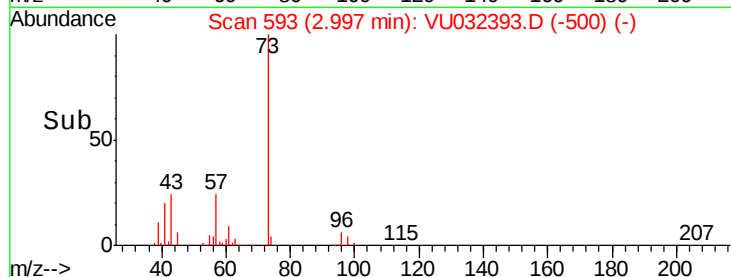
#17
Methyl tert-butyl Ether
Concen: 5.000 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion: 73 Resp: 246446
Ion Ratio Lower Upper
73 100
43 23.7 19.0 28.4
57 23.3 18.6 28.0

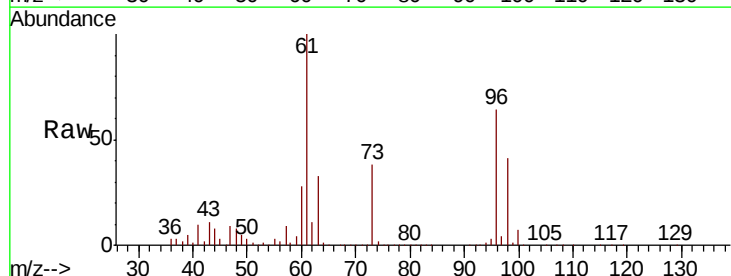


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

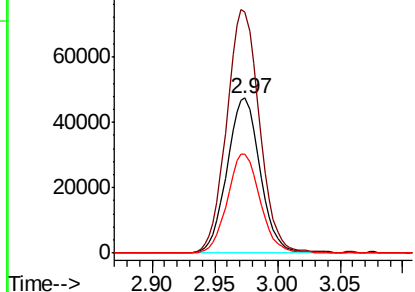
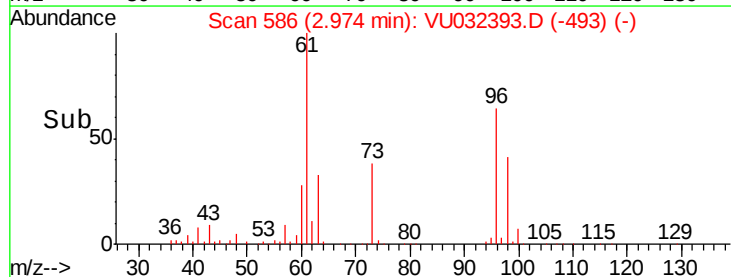


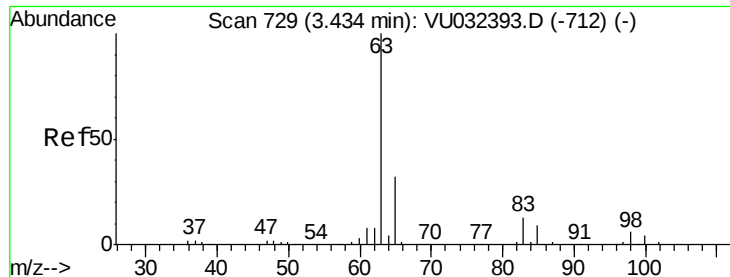
#18
trans-1,2-Dichloroethene
Concen: 5.000 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion: 96 Resp: 85966
Ion Ratio Lower Upper
96 100
61 155.9 109.1 202.7
98 63.7 44.6 82.8



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: 5.000 ug/L

RT: 3.43 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

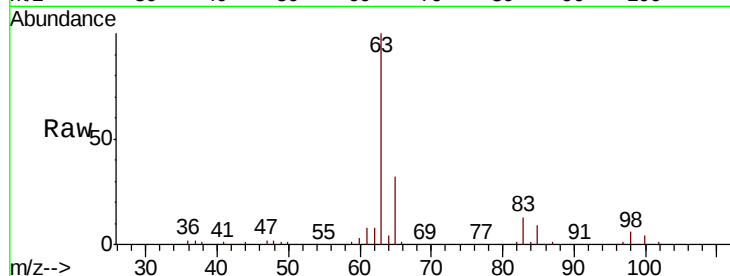
Tgt Ion: 63 Resp: 143011

Ion Ratio Lower Upper

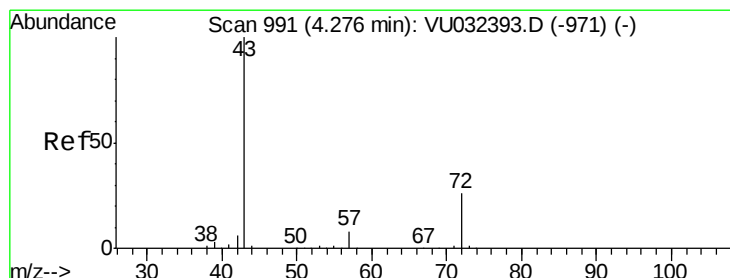
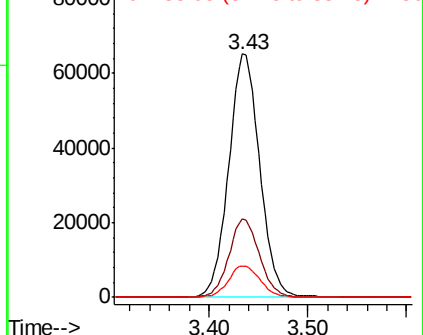
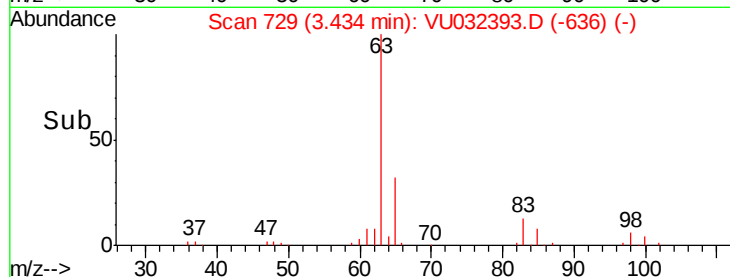
63 100

65 32.1 22.5 41.7

83 12.9 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU032393.D (-636) (-)



#21

2-Butanone

Concen: 50.000 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VU032393.D

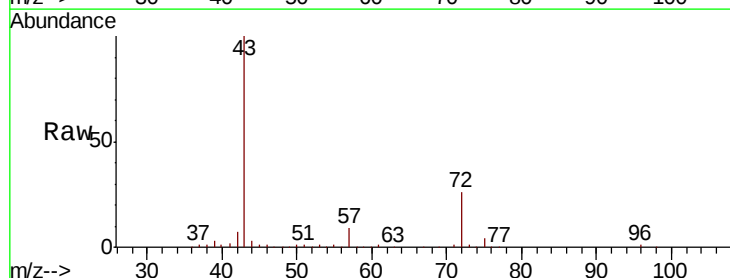
Acq: 03 Jun 2019 15:10

Tgt Ion: 43 Resp: 263880

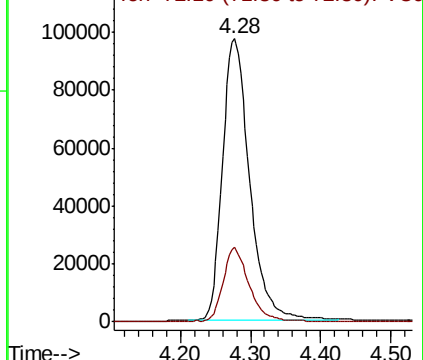
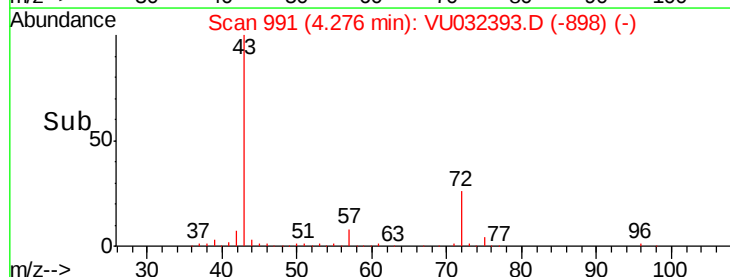
Ion Ratio Lower Upper

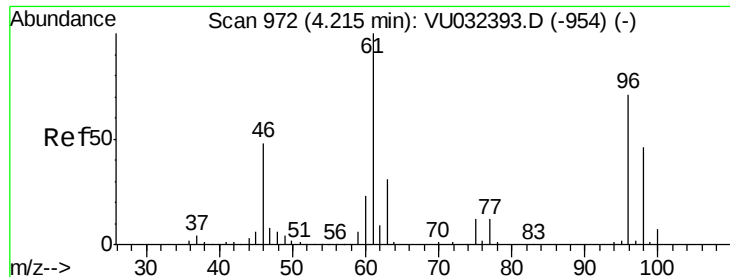
43 100

72 24.8 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VU032393.D (-898) (-)



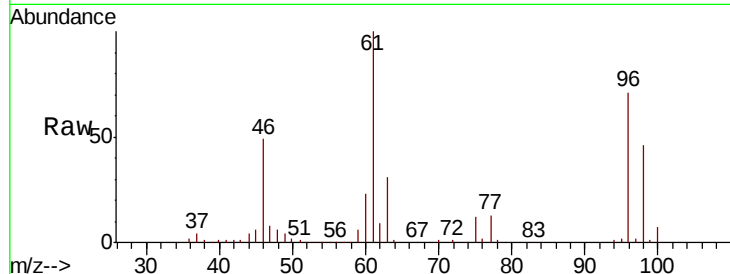


#22

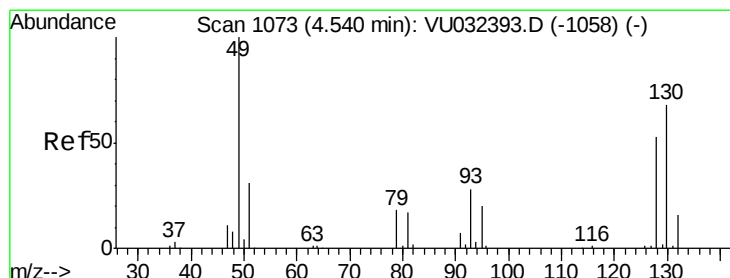
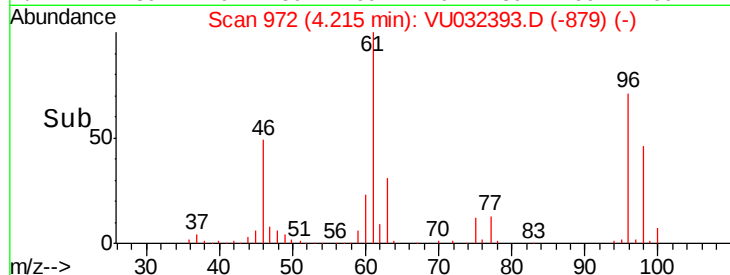
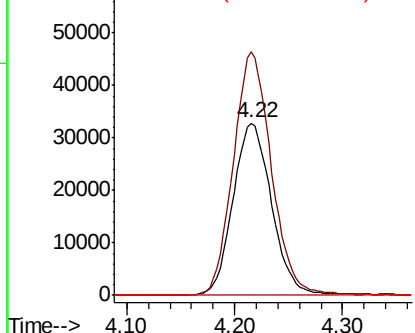
cis-1,2-Dichloroethene
 Concen: 5.000 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion: 96 Resp: 81483
 Ion Ratio Lower Upper
 96 100
 61 141.4 99.0 183.8
 68 0.0 0.0 0.0



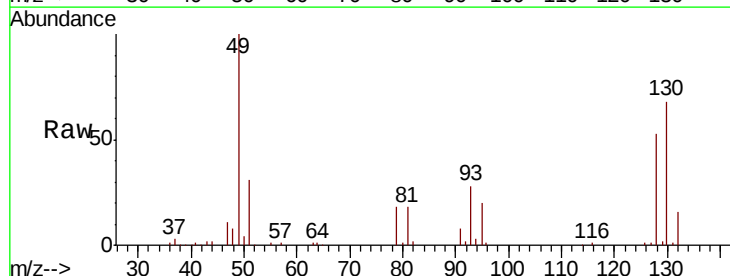
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



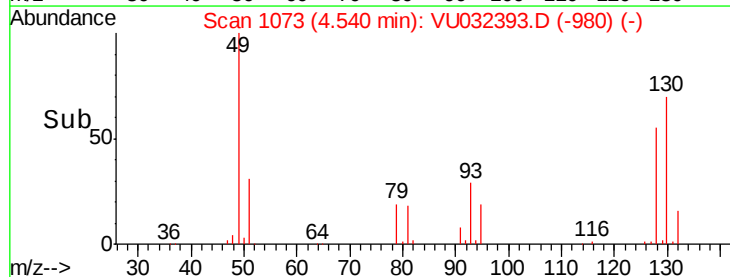
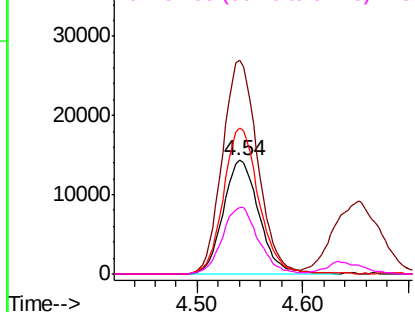
#23

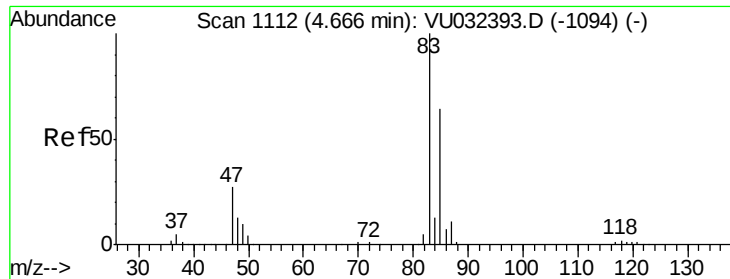
Bromochloromethane
 Concen: 5.000 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Tgt Ion: 128 Resp: 33686
 Ion Ratio Lower Upper
 128 100
 49 187.9 131.5 244.3
 130 128.2 89.7 166.7
 51 58.1 46.5 69.7



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

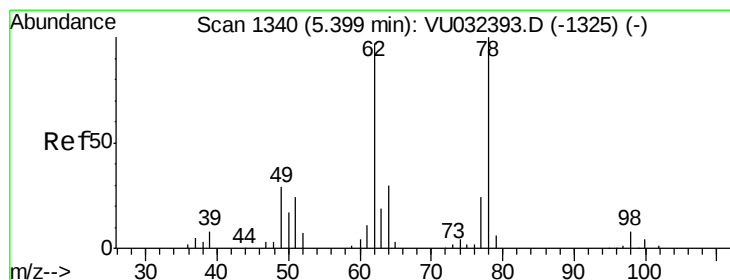
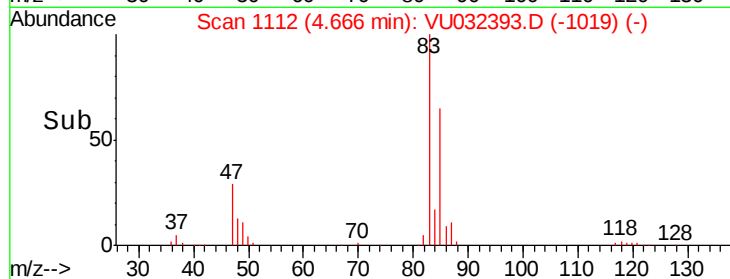
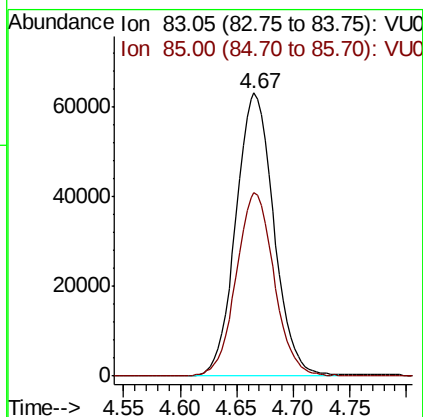
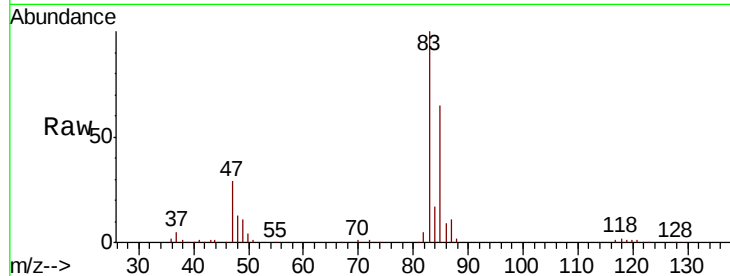




#25
Chloroform
Concen: 5.000 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

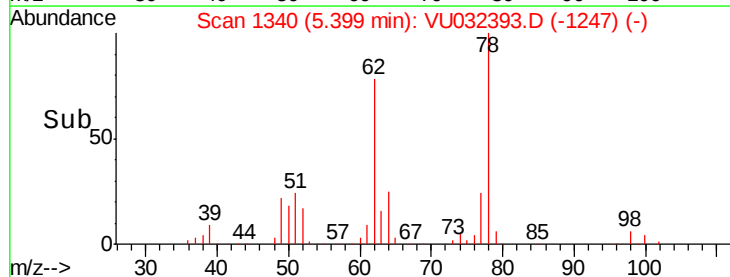
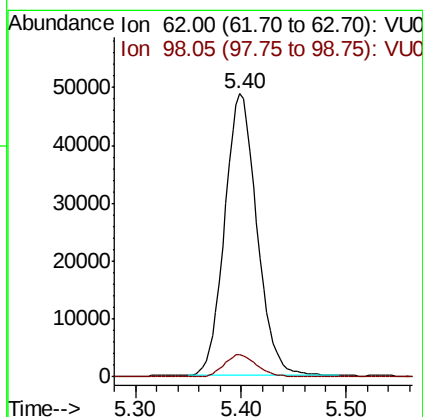
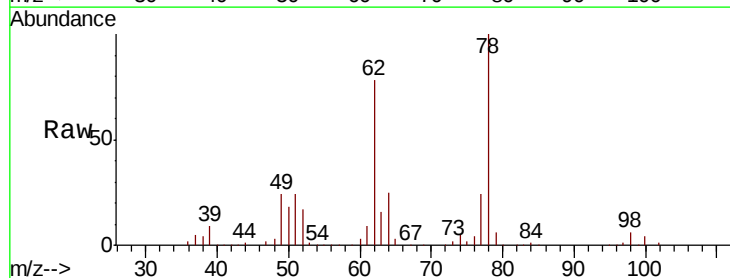
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

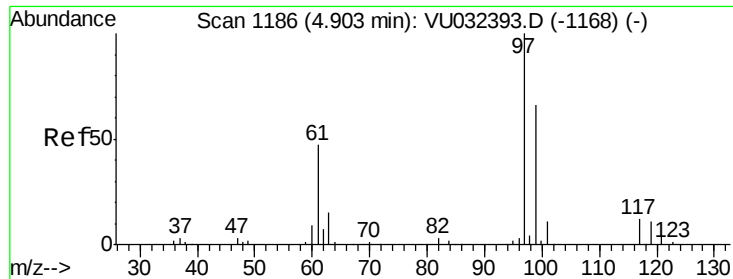
Tgt Ion: 83 Resp: 147764
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.000 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion: 62 Resp: 102703
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4

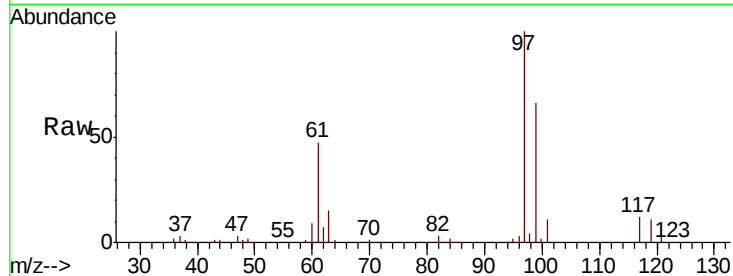




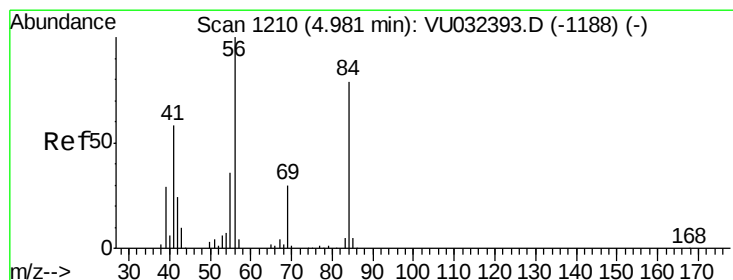
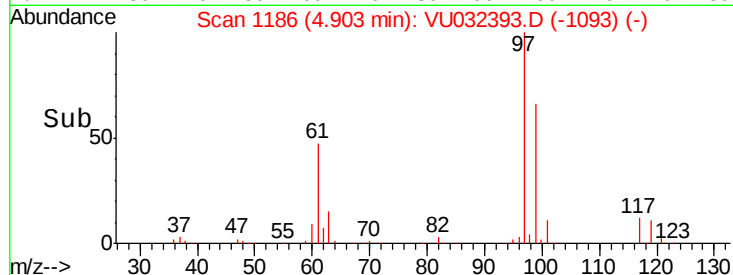
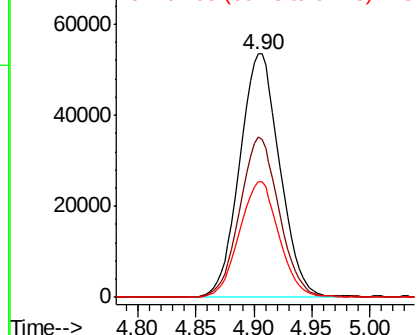
#29
1,1,1-Trichloroethane
Concen: 5.000 ug/L
RT: 4.90 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion: 97 Resp: 128911
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 47.1 37.7 56.5

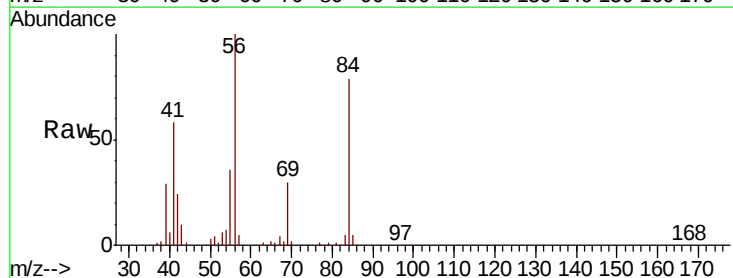


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

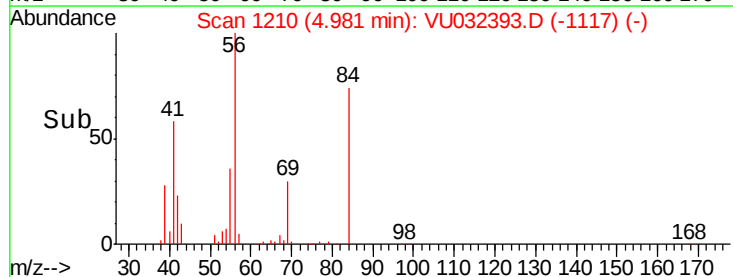
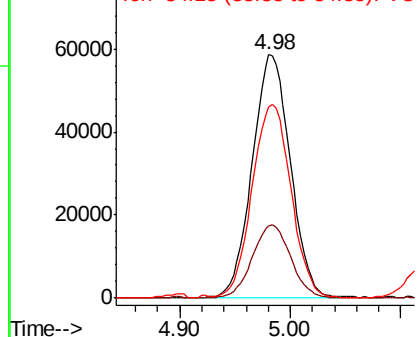


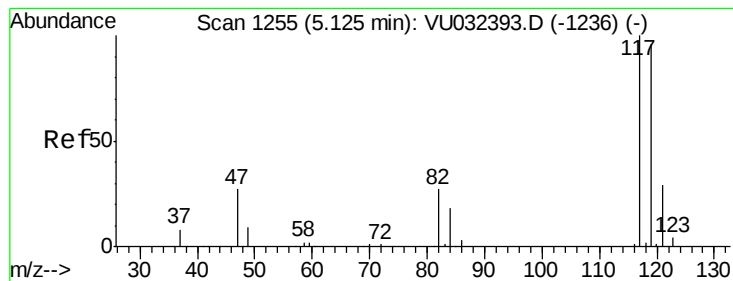
#30
Cyclohexane
Concen: 5.000 ug/L
RT: 4.98 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion: 56 Resp: 141067
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.4
84 80.4 64.3 96.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.000 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

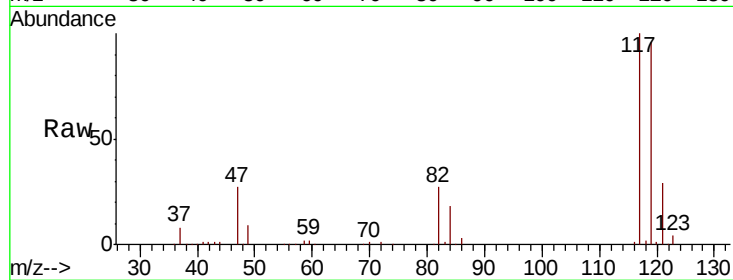
VSTD00510

Tgt Ion:117 Resp: 114154

Ion Ratio Lower Upper

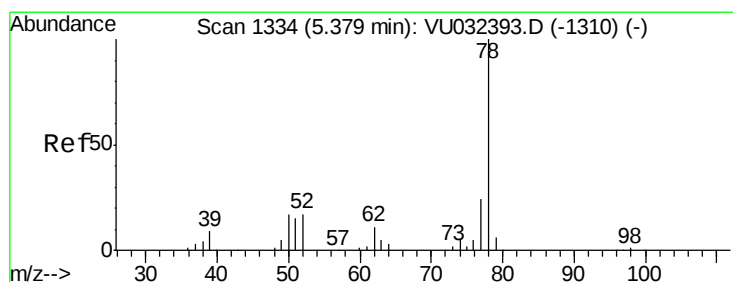
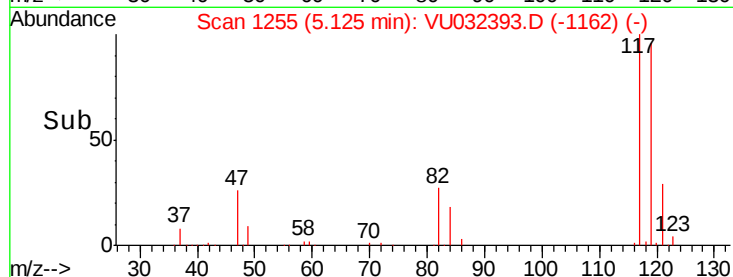
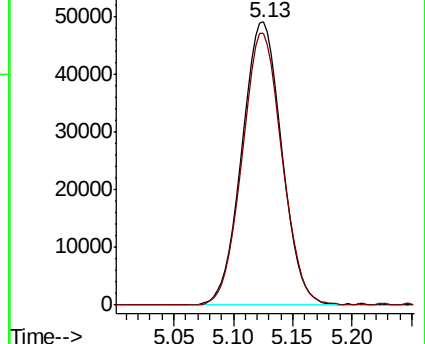
117 100

119 96.2 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.000 ug/L

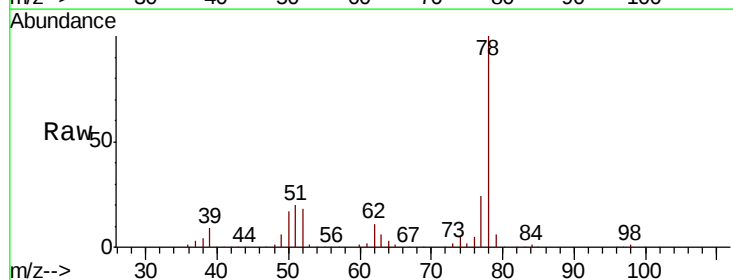
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

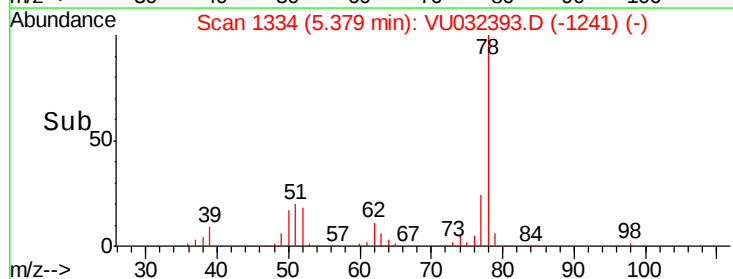
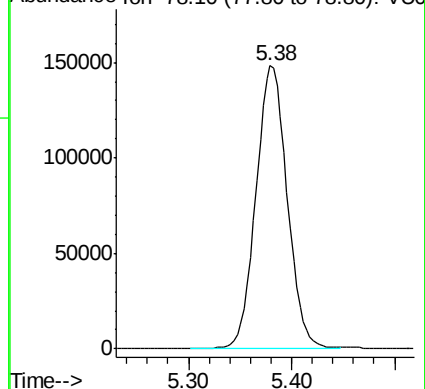
Lab File: VU032393.D

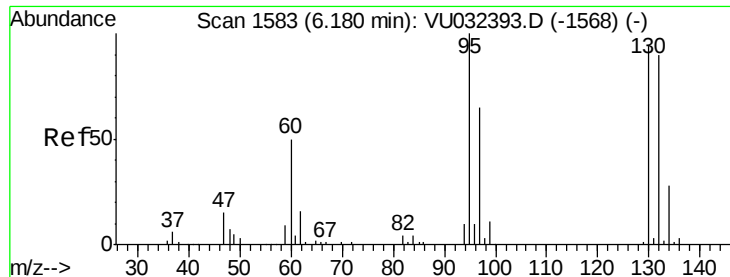
Acq: 03 Jun 2019 15:10

Tgt Ion: 78 Resp: 312359



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.000 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tgt Ion: 95 Resp: 84377

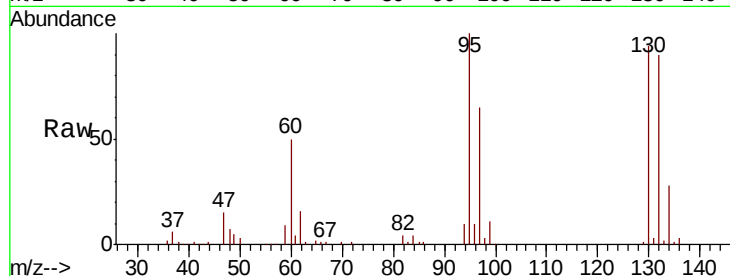
Ion Ratio Lower Upper

95 100

97 65.4 45.8 85.0

132 90.1 63.1 117.1

130 94.3 66.0 122.6

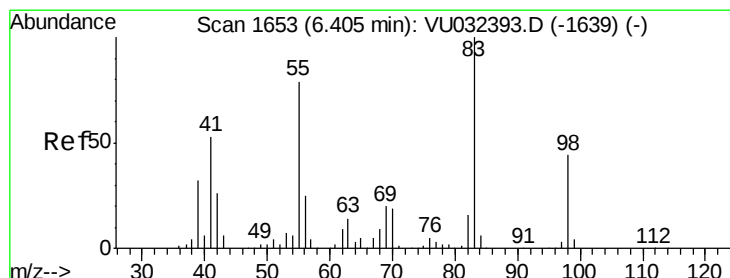
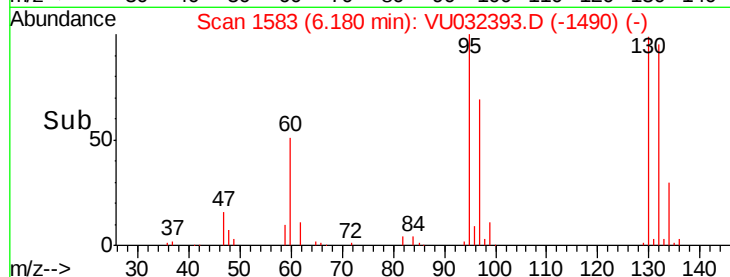
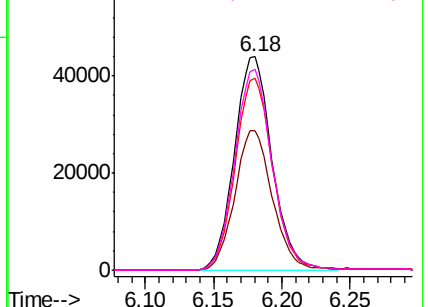


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.000 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

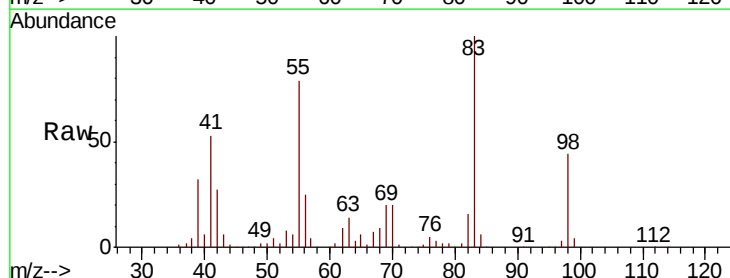
Tgt Ion: 83 Resp: 142368

Ion Ratio Lower Upper

83 100

55 80.9 64.7 97.1

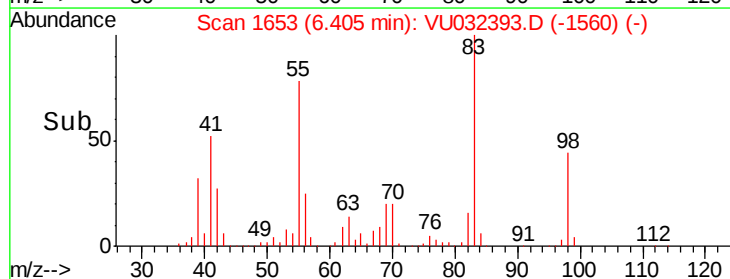
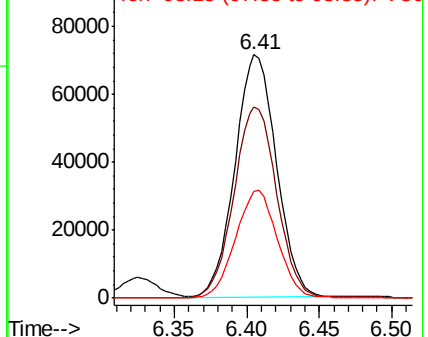
98 44.9 35.9 53.9

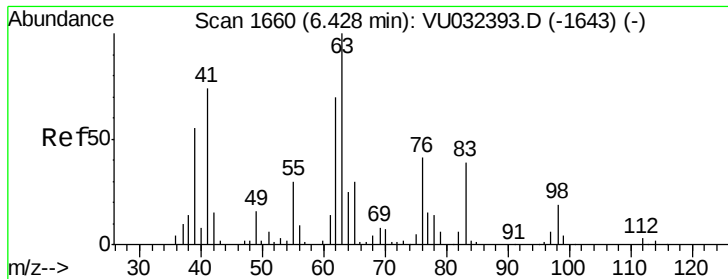


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

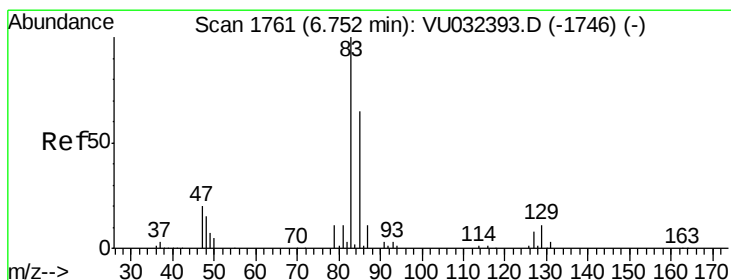
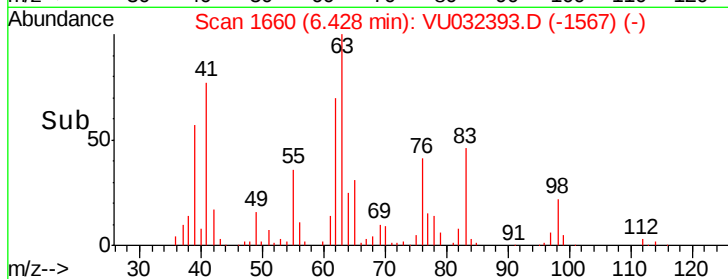
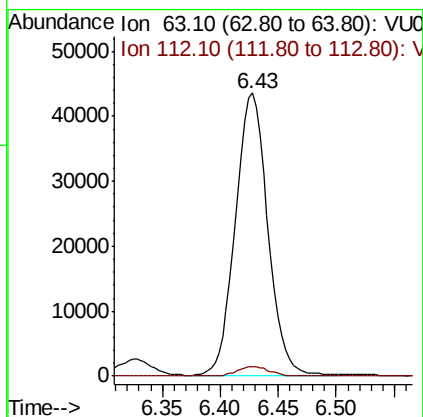
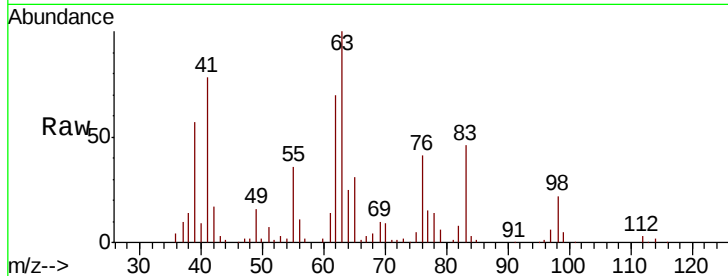




#37
 1,2-Dichloropropane
 Concen: 5.000 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

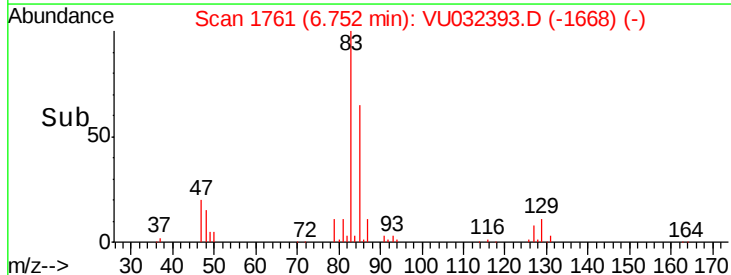
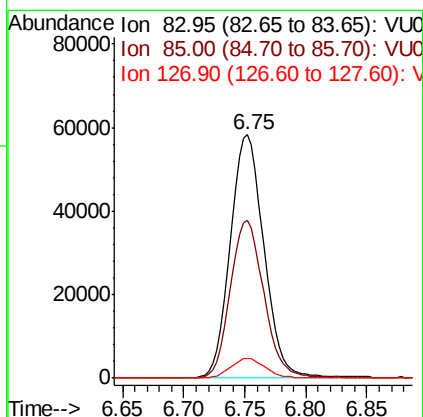
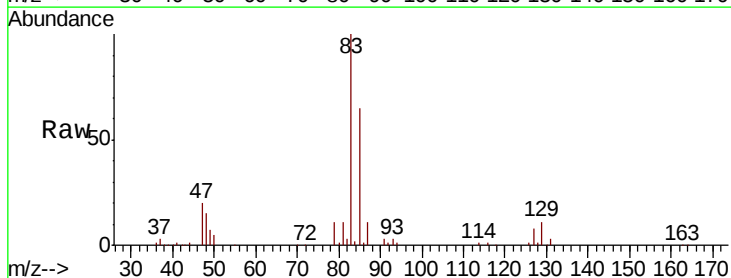
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

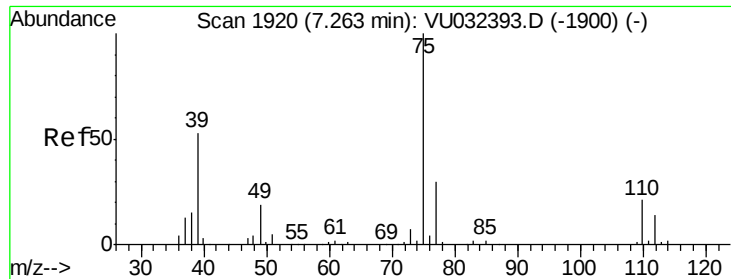
Tgt Ion: 63 Resp: 84379
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0



#38
 Bromodichloromethane
 Concen: 5.000 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Tgt Ion: 83 Resp: 111838
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4
 127 8.1 6.5 9.7

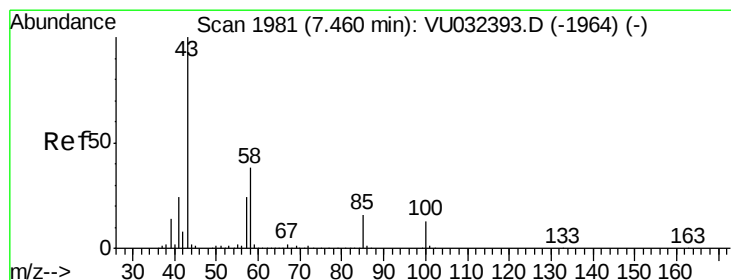
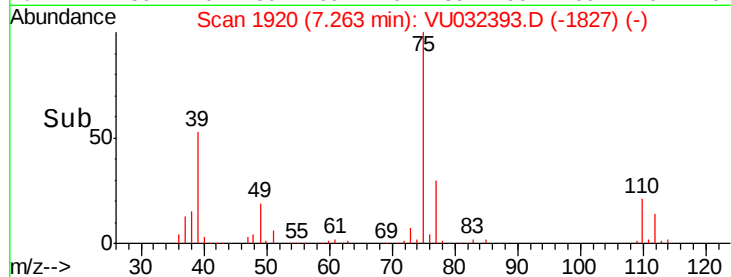
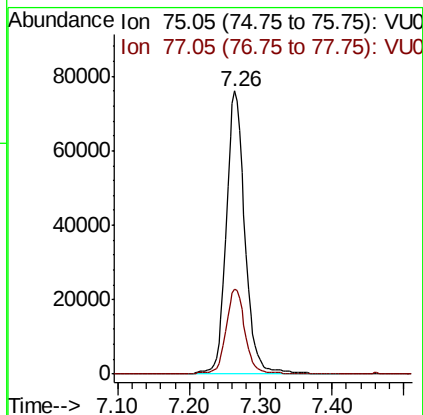
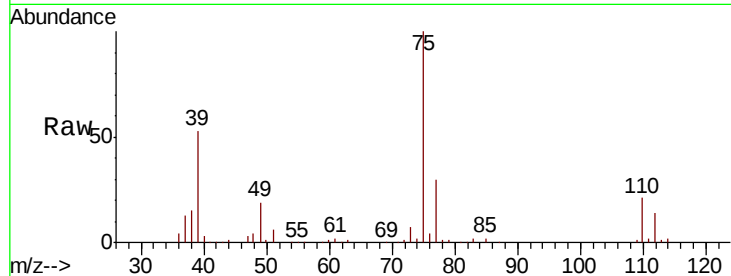




#39
 cis-1,3-Dichloropropene
 Concen: 5.000 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

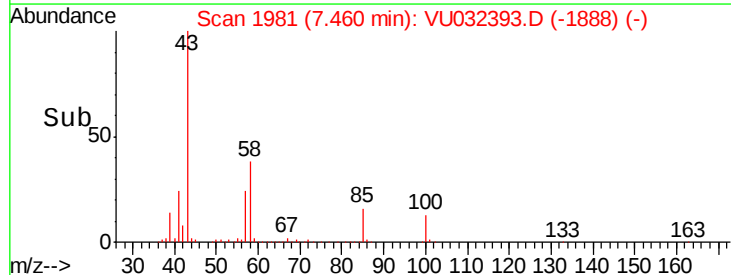
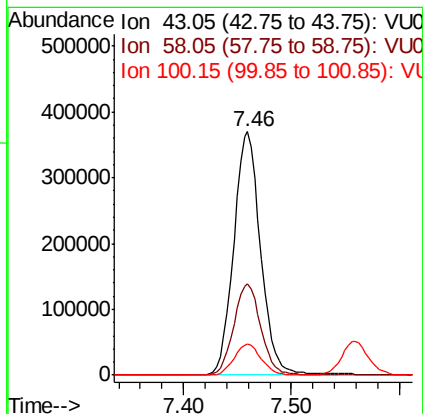
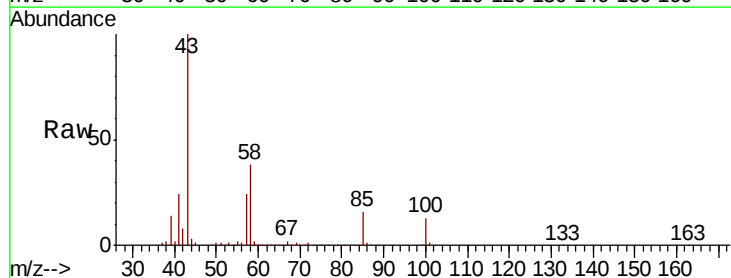
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

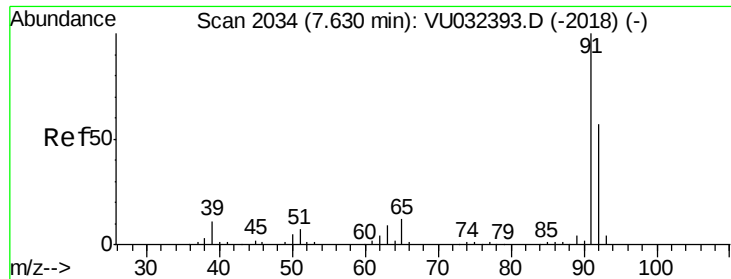
Tgt Ion: 75 Resp: 138597
 Ion Ratio Lower Upper
 75 100
 77 30.1 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 50.000 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Tgt Ion: 43 Resp: 640810
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.3 45.5
 100 12.9 10.3 15.5





#42

Toluene

Concen: 5.000 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

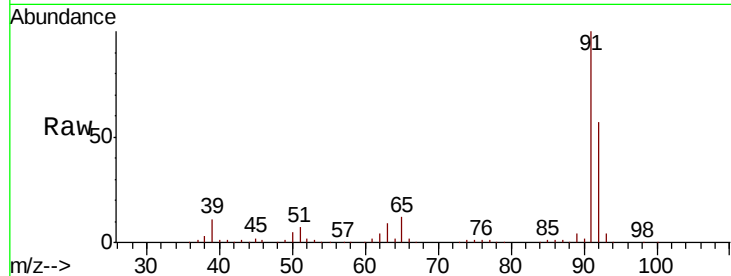
VSTD00510

Tgt Ion: 91 Resp: 341593

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU032393.D (-2018) (-)

Ion 92.15 (91.85 to 92.85): VU032393.D (-2018) (-)

7.63

200000

150000

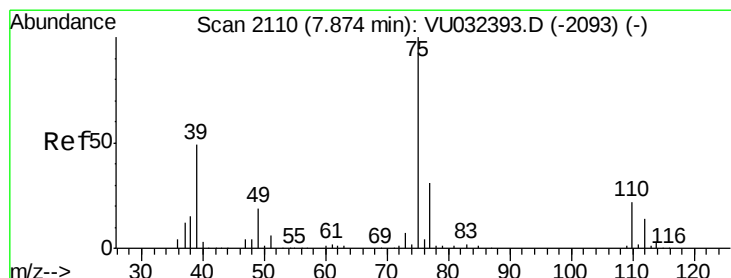
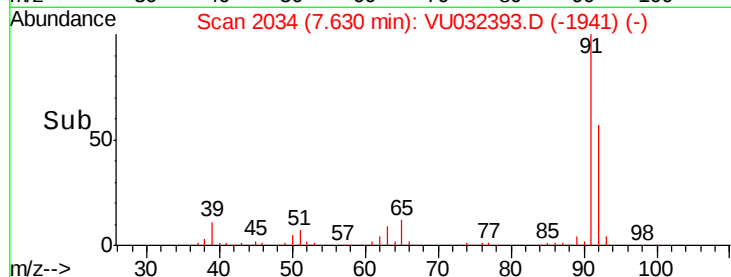
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.000 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032393.D

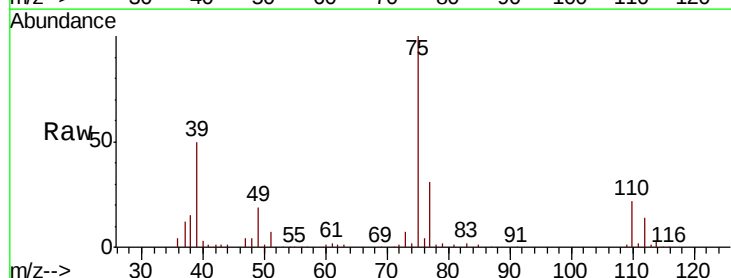
Acq: 03 Jun 2019 15:10

Tgt Ion: 75 Resp: 112270

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU032393.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032393.D (-2093) (-)

7.87

60000

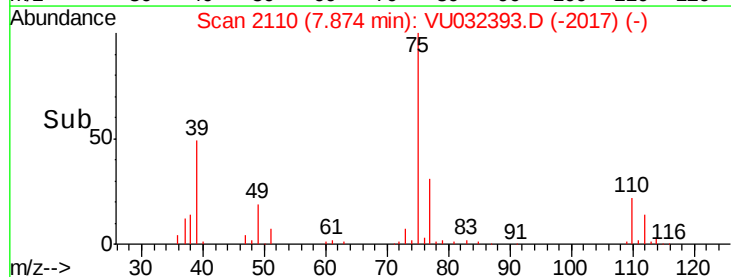
40000

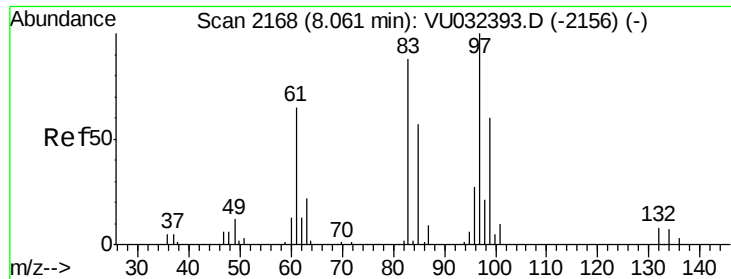
20000

0

7.80 7.90 8.00

Time-->

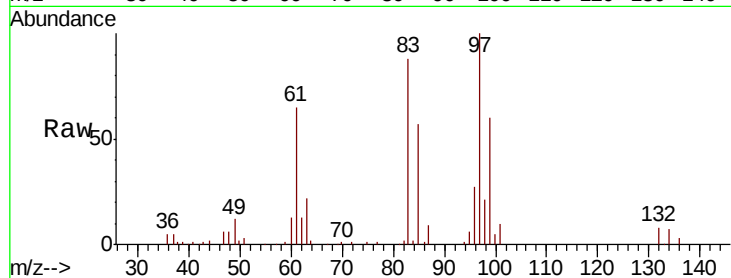




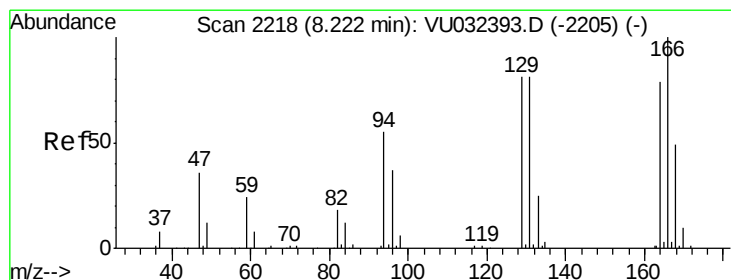
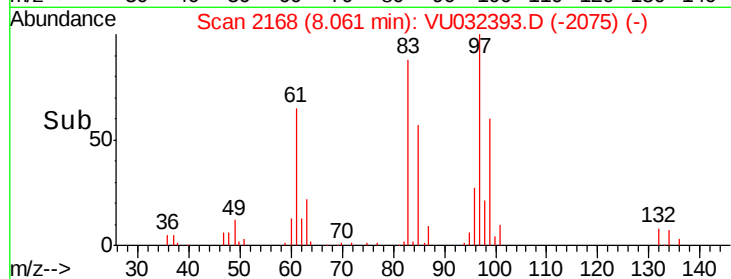
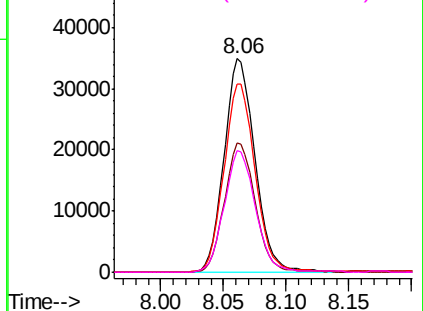
#45
 1,1,2-Trichloroethane
 Concen: 5.000 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion:	97	Resp:	59600
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.2	78.4
83	88.4	61.9	114.9
85	56.7	39.7	73.7

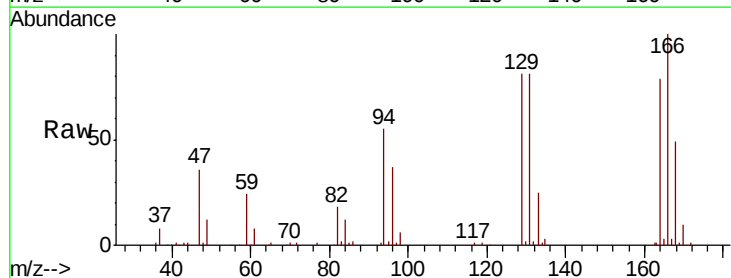


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

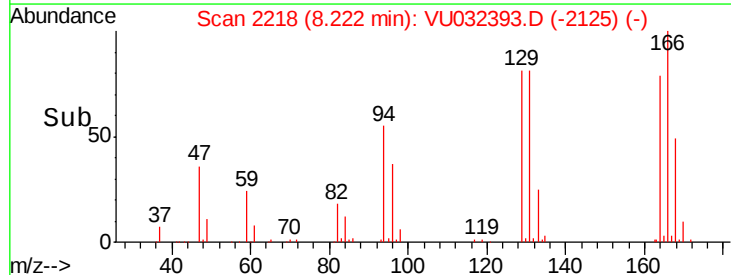
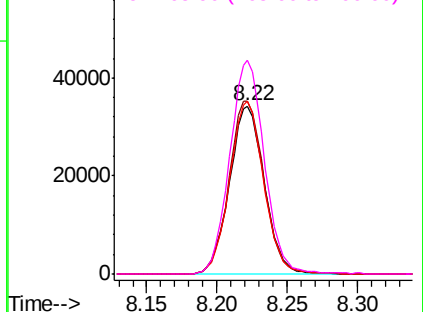


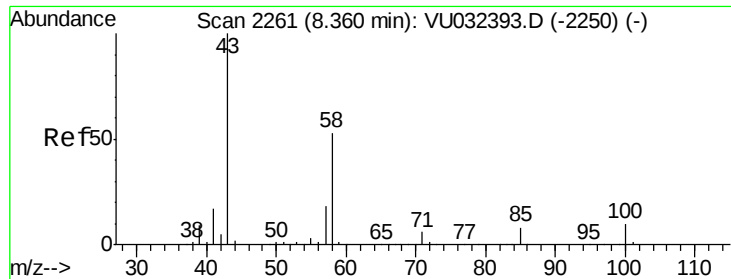
#47
 Tetrachloroethene
 Concen: 5.000 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Tgt Ion:	164	Resp:	58842
Ion	Ratio	Lower	Upper
164	100		
129	103.0	72.1	133.9
131	102.7	71.9	133.5
166	127.2	89.0	165.4



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

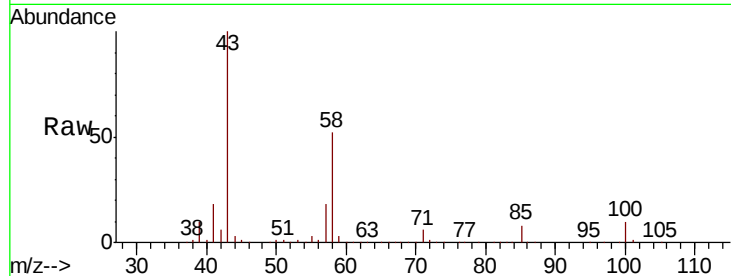




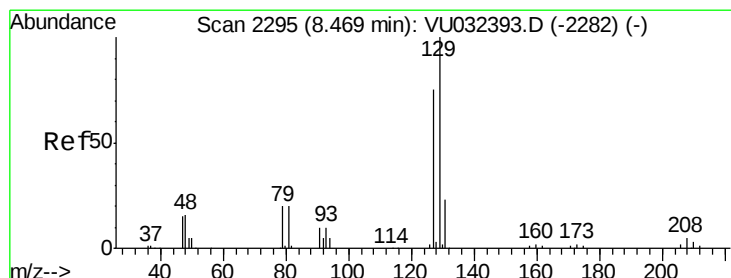
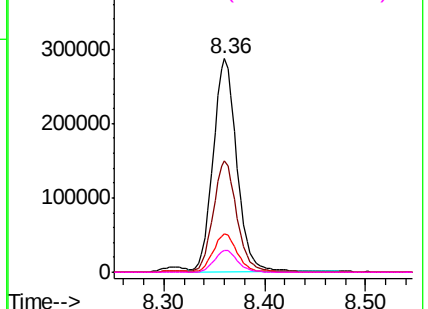
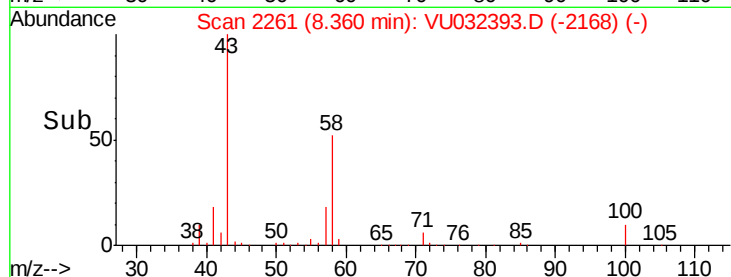
#48
2-Hexanone
Concen: 50.000 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion: 43 Resp: 468653
Ion Ratio Lower Upper
43 100
58 51.6 41.3 61.9
57 18.1 14.5 21.7
100 10.2 8.2 12.2

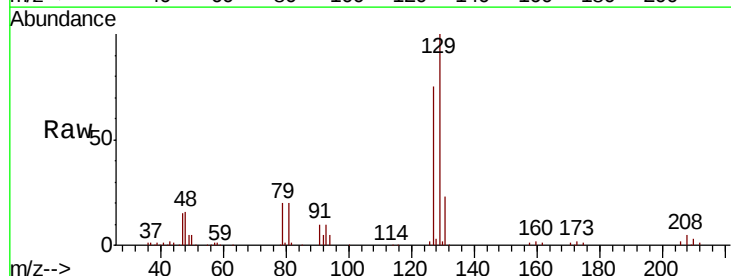


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

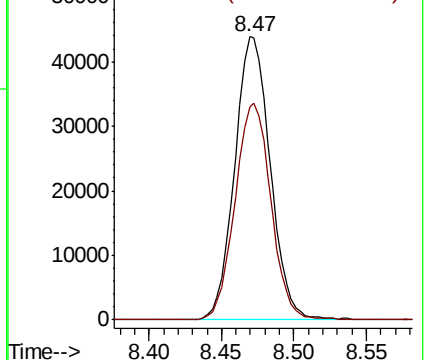
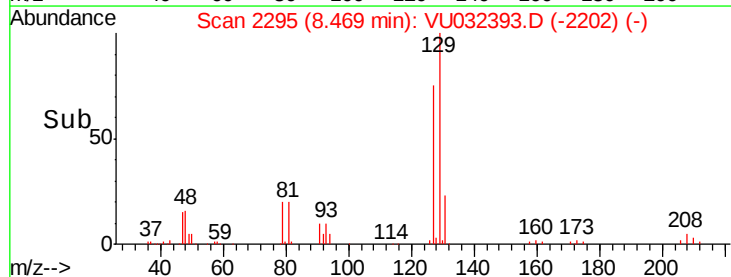


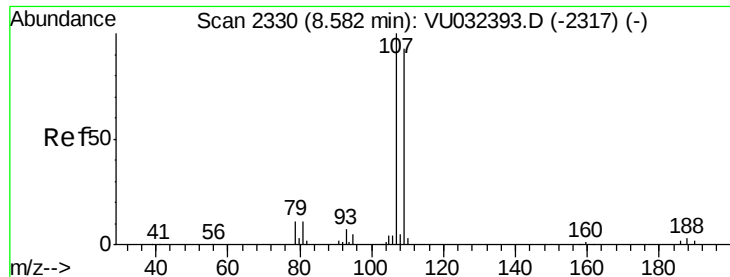
#49
Dibromochloromethane
Concen: 5.000 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion: 129 Resp: 74817
Ion Ratio Lower Upper
129 100
127 75.2 52.6 97.8



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

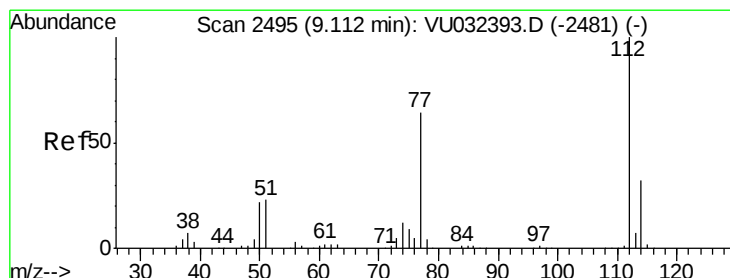
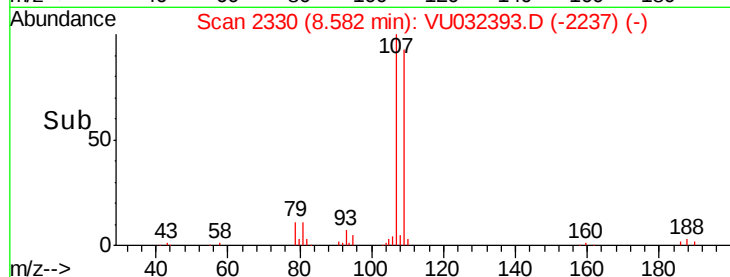
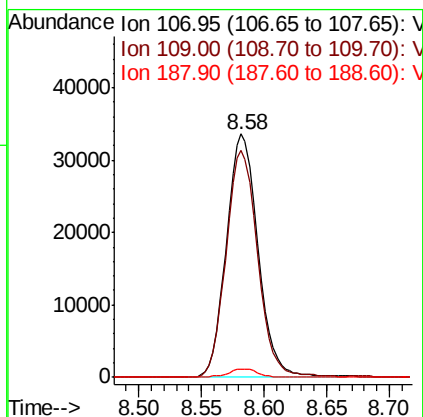
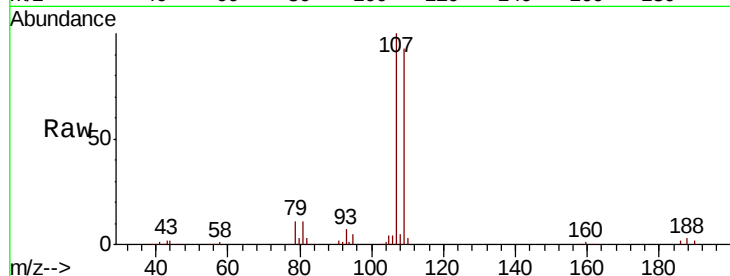




#50
1,2-Dibromoethane
Concen: 5.000 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

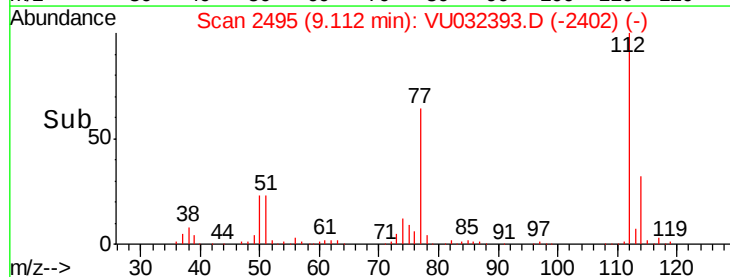
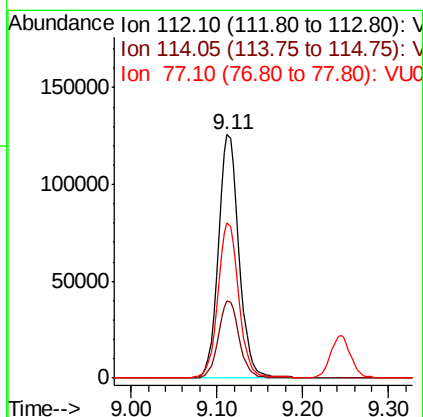
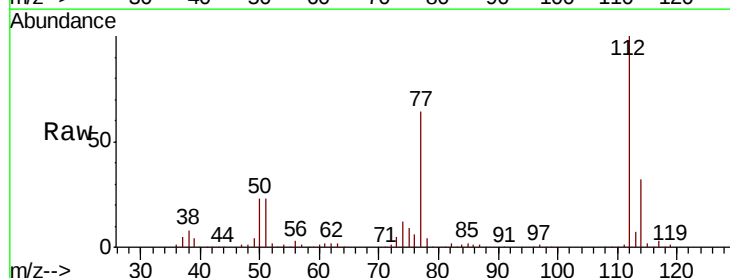
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

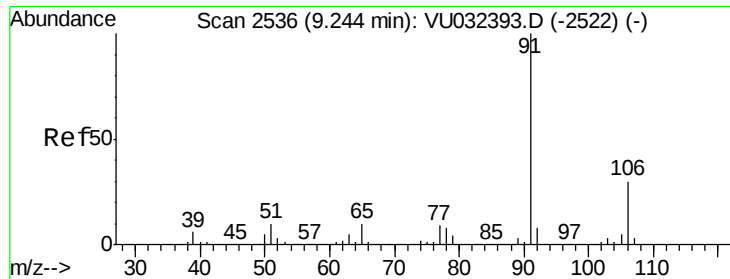
Tgt Ion:107 Resp: 58850
Ion Ratio Lower Upper
107 100
109 93.3 65.3 121.3
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 5.000 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion:112 Resp: 209621
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 63.8 51.0 76.6

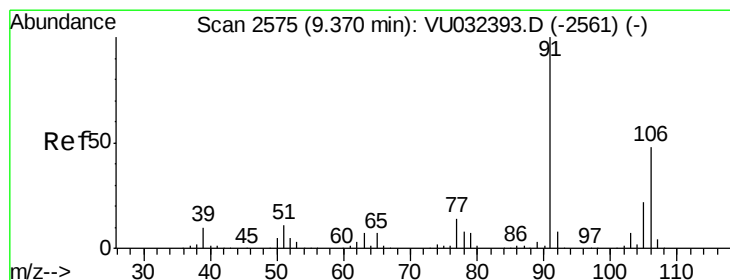
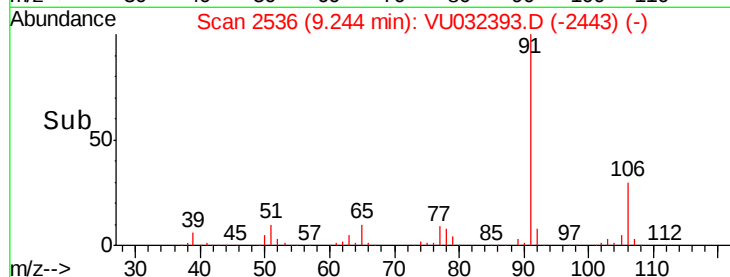
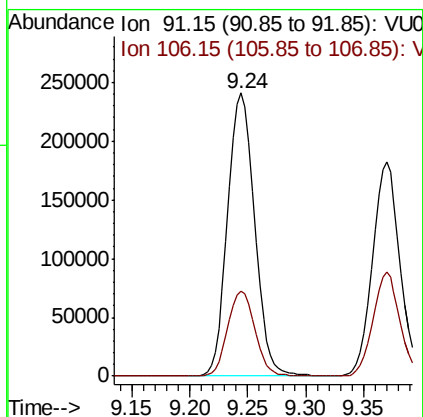
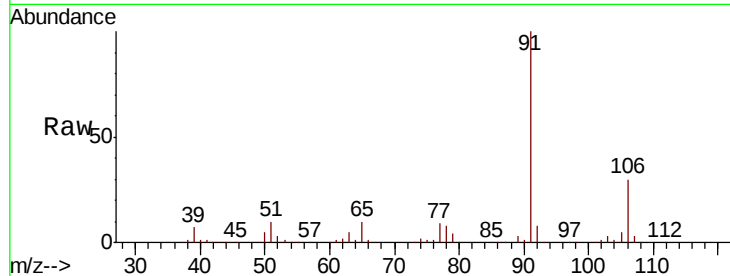




#52
Ethylbenzene
Concen: 5.000 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

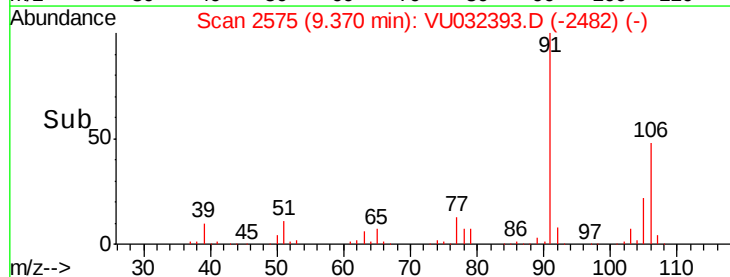
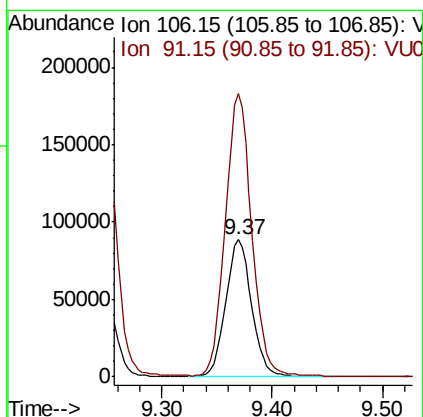
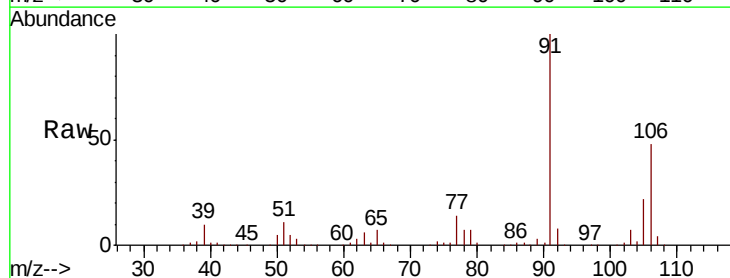
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

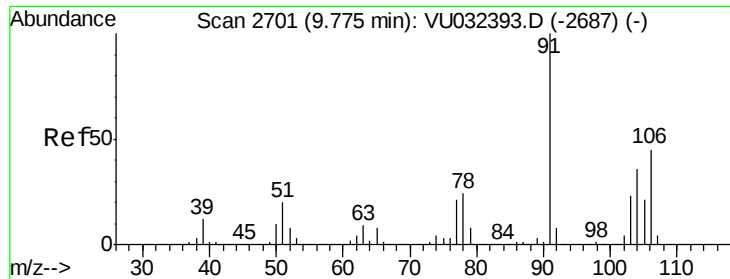
Tgt Ion: 91 Resp: 388007
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.000 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion: 106 Resp: 143918
Ion Ratio Lower Upper
106 100
91 206.9 144.8 269.0

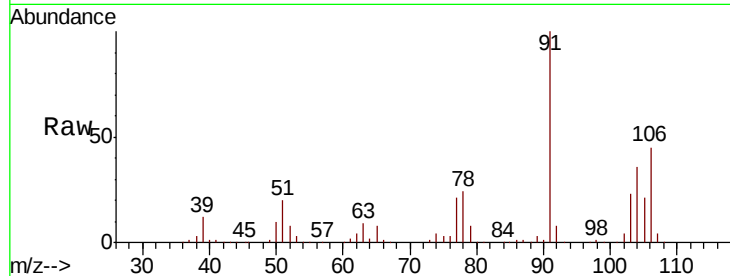




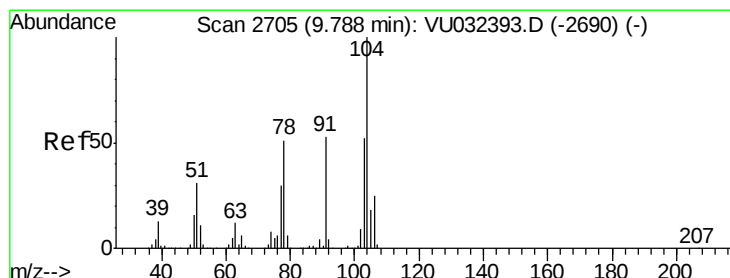
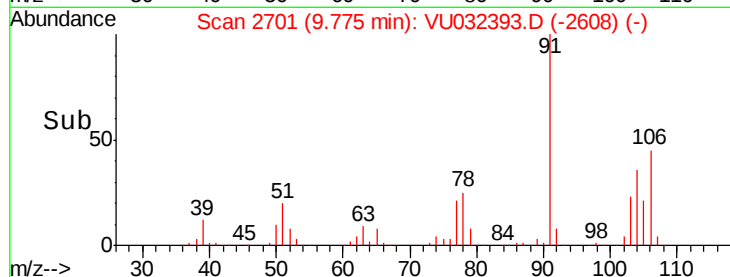
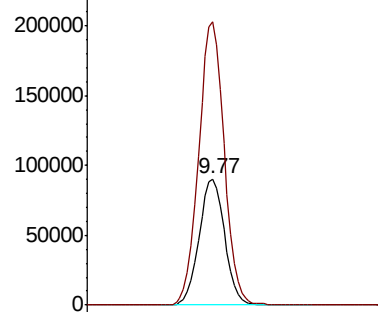
#54
o-Xylene
Concen: 5.000 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion:106 Resp: 142236
Ion Ratio Lower Upper
106 100
91 224.1 156.9 291.3

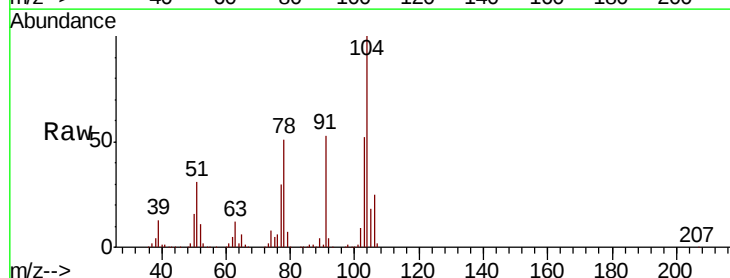


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

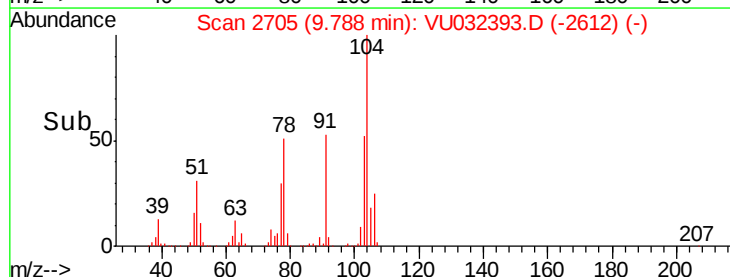
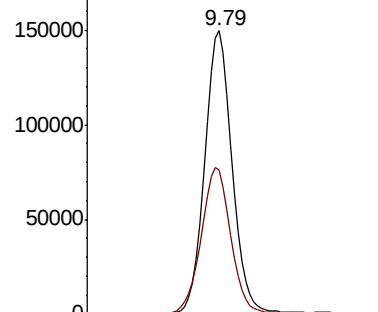


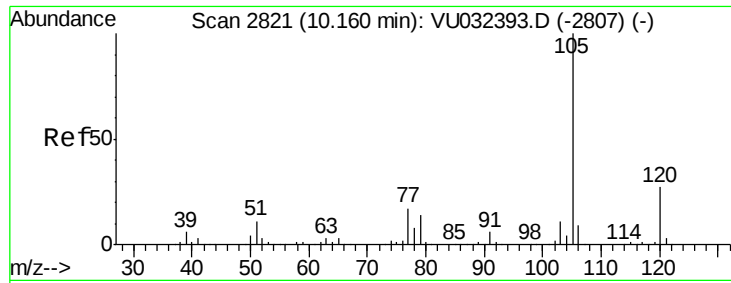
#55
Styrene
Concen: 5.000 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032393.D
Acq: 03 Jun 2019 15:10

Tgt Ion:104 Resp: 239081
Ion Ratio Lower Upper
104 100
78 50.7 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.000 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

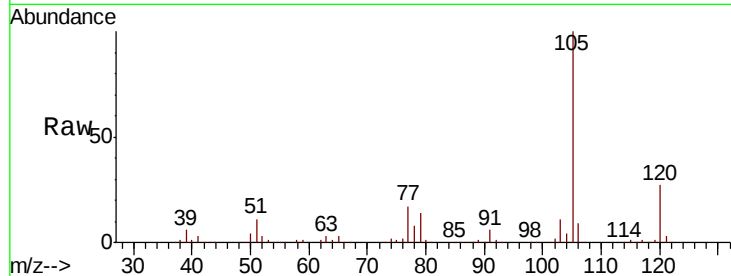
Tgt Ion: 105 Resp: 374742

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

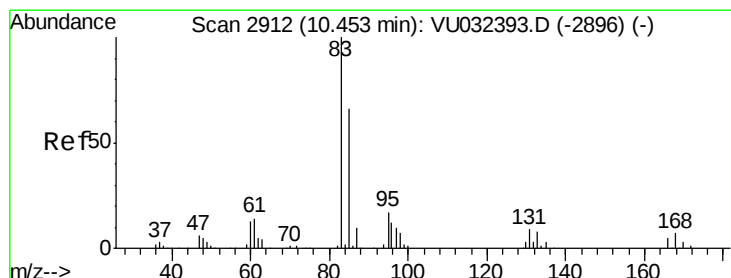
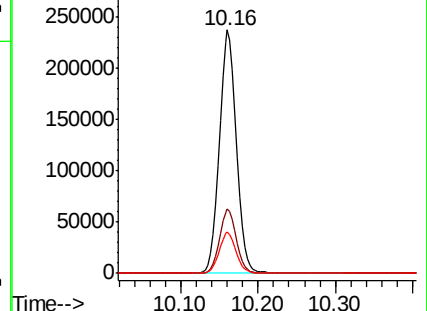
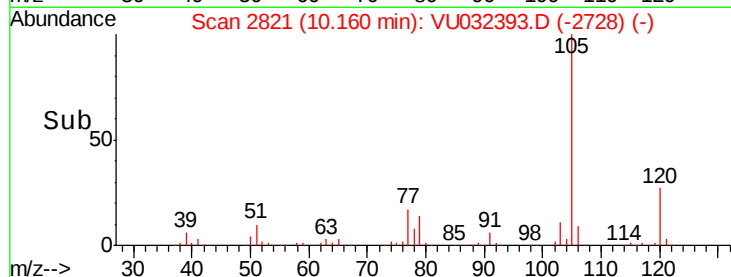
77 16.8 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

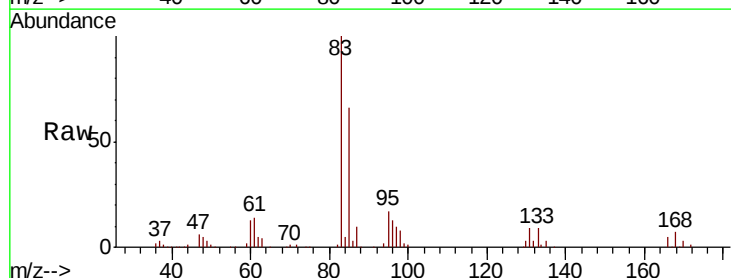
Tgt Ion: 83 Resp: 78559

Ion Ratio Lower Upper

83 100

85 66.5 46.5 86.5

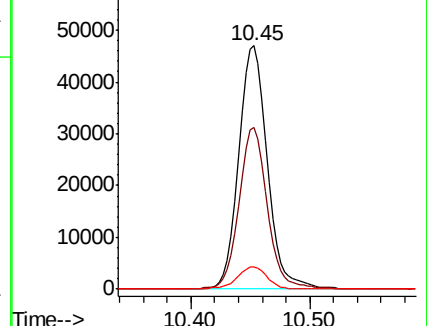
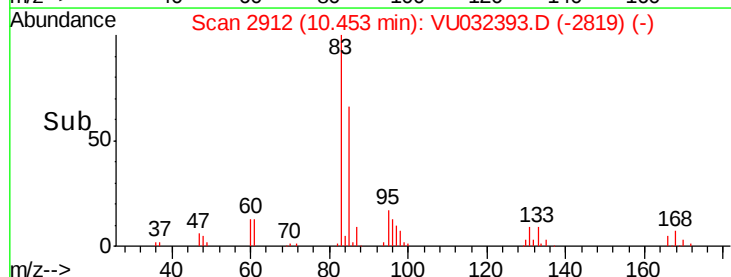
131 9.3 7.4 11.2

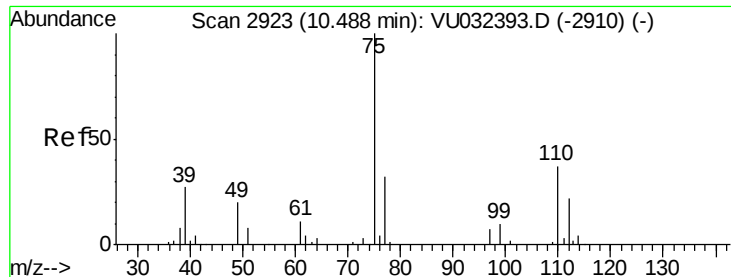


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

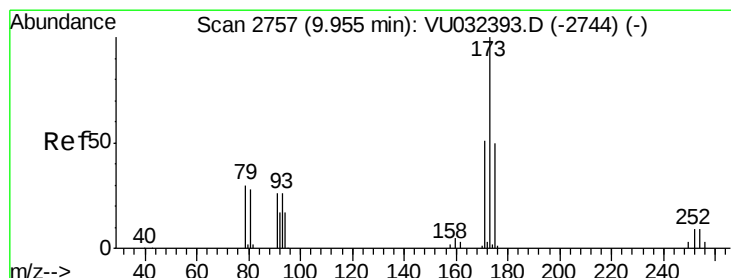
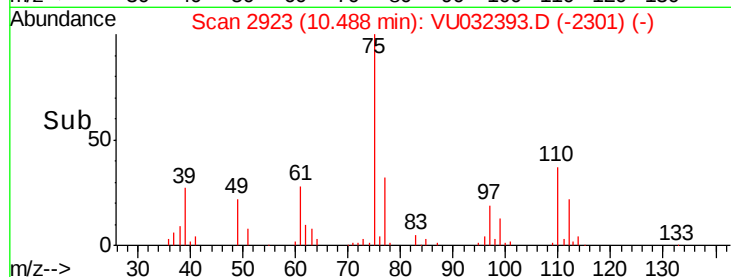
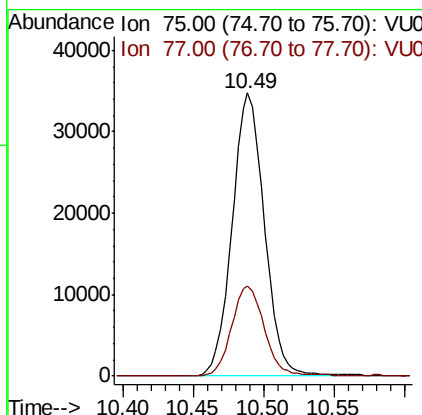
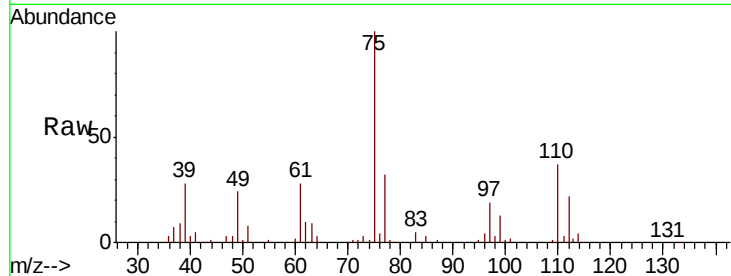




#59
 1,2,3-Trichloropropane
 Concen: 5.000 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

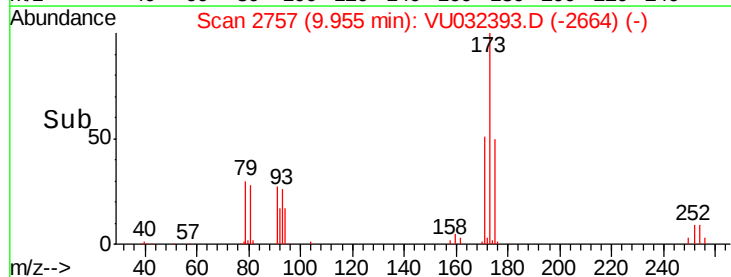
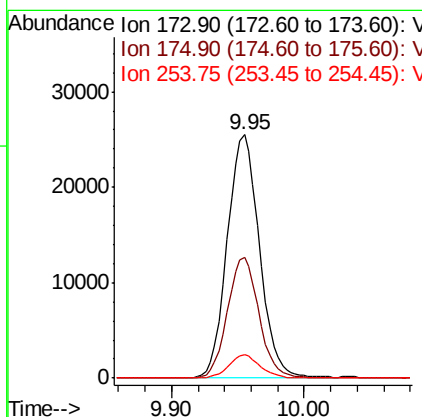
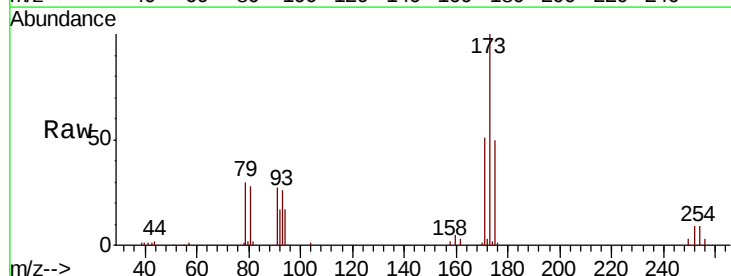
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

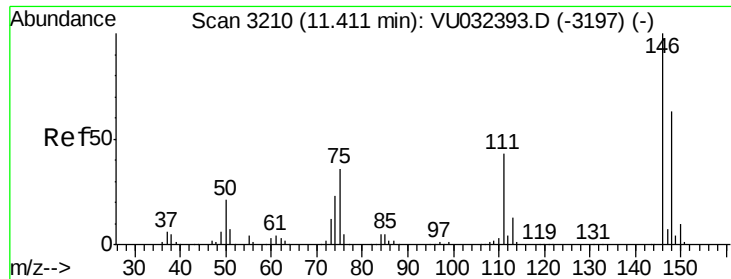
Tgt Ion: 75 Resp: 55719
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.1 39.1



#61
 Bromoform
 Concen: 5.000 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Tgt Ion: 173 Resp: 43051
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 58.0
 254 9.2 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

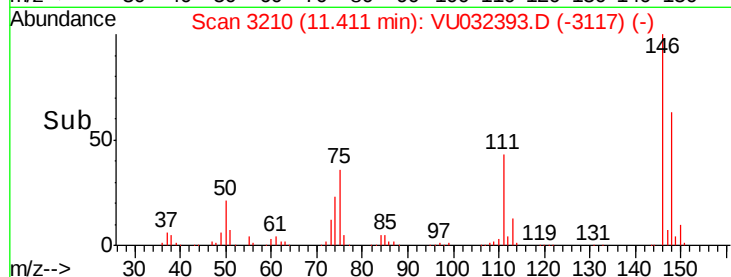
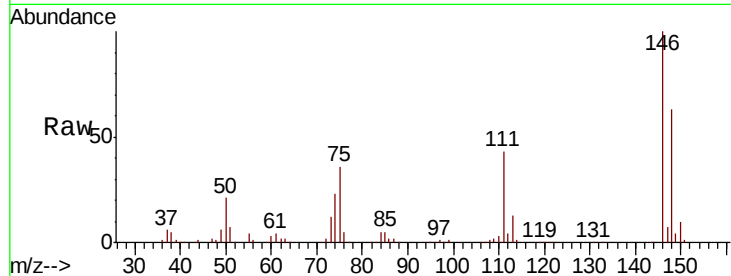
Tgt Ion:146 Resp: 162020

Ion Ratio Lower Upper

146 100

111 42.5 29.8 55.3

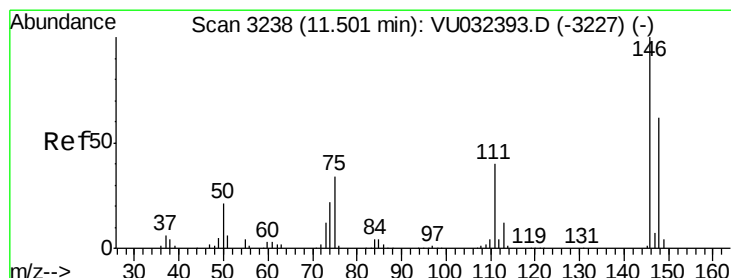
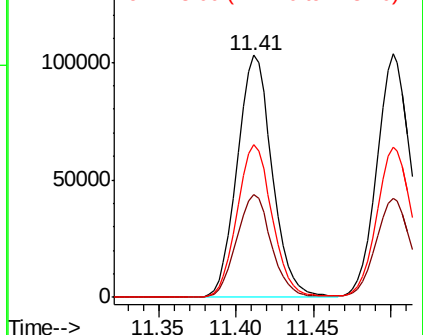
148 63.1 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

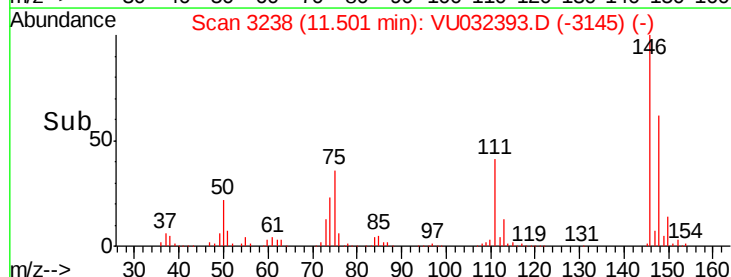
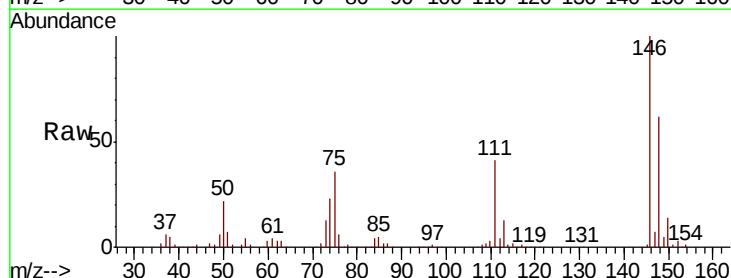
Tgt Ion:146 Resp: 162400

Ion Ratio Lower Upper

146 100

111 40.9 28.6 53.2

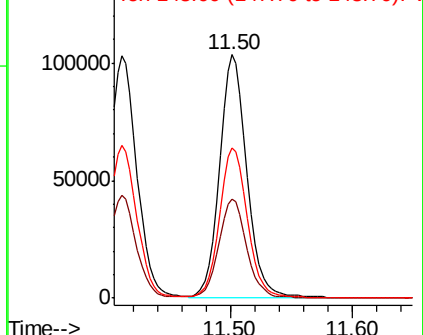
148 61.8 43.3 80.3

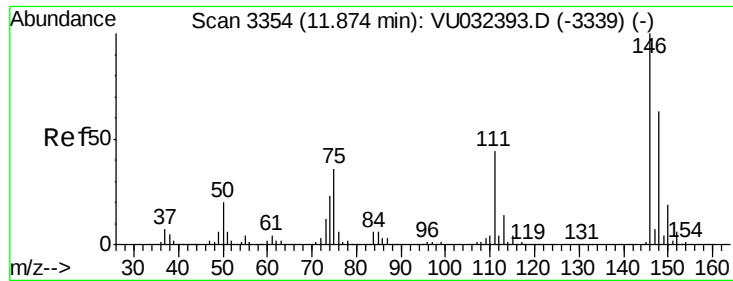


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

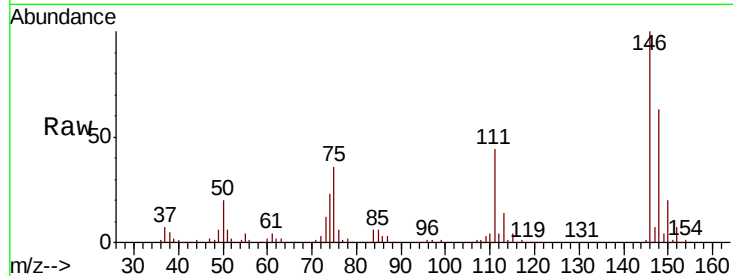
Tgt Ion:146 Resp: 153918

Ion Ratio Lower Upper

146 100

111 44.0 35.2 52.8

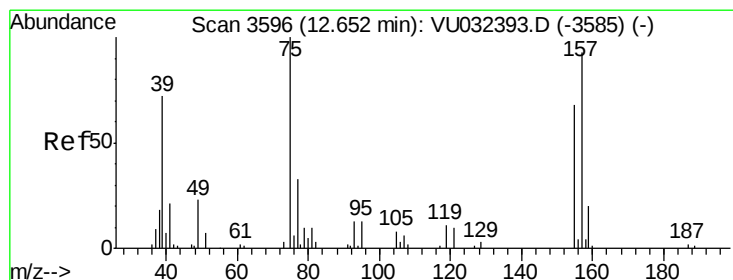
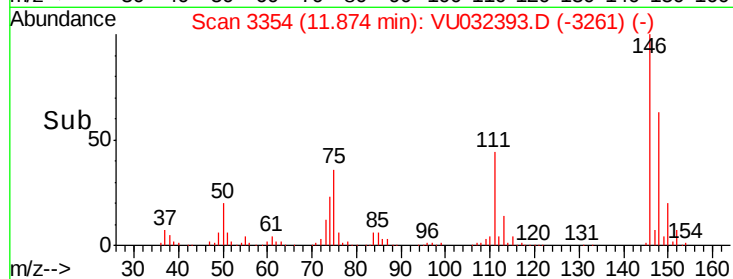
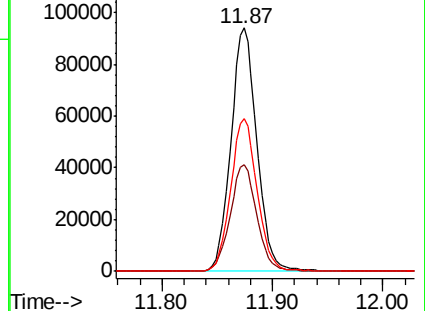
148 62.9 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.000 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

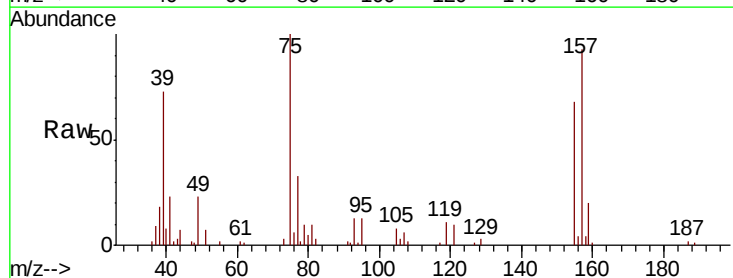
Tgt Ion: 75 Resp: 15154

Ion Ratio Lower Upper

75 100

155 68.5 54.8 82.2

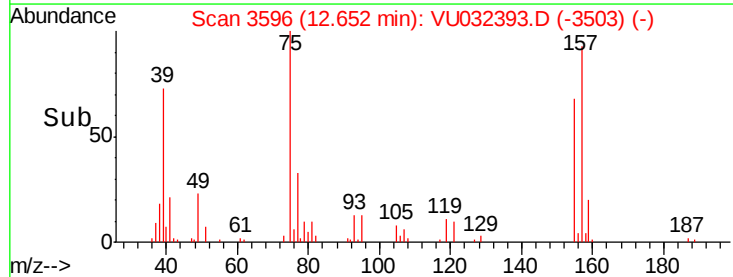
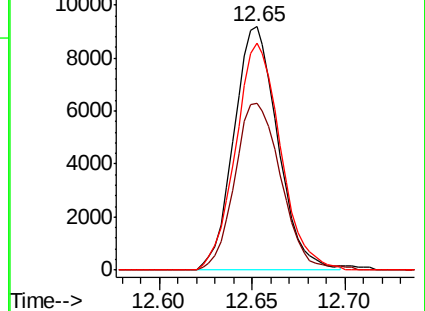
157 93.4 74.7 112.1

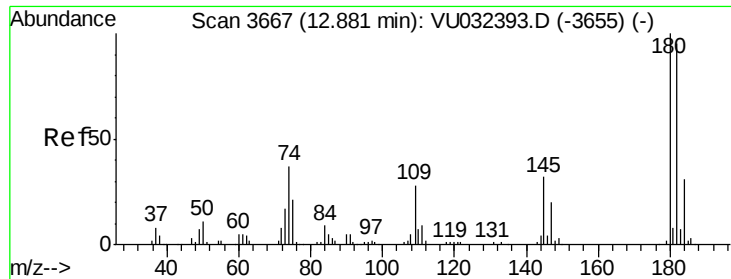


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

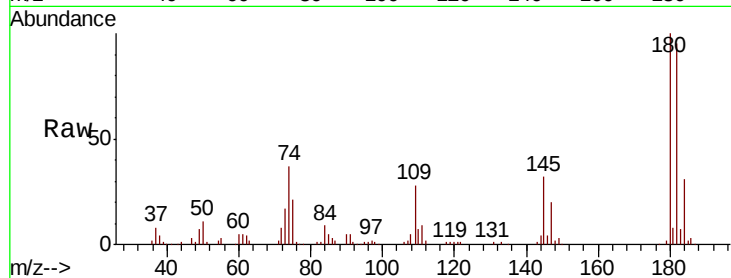




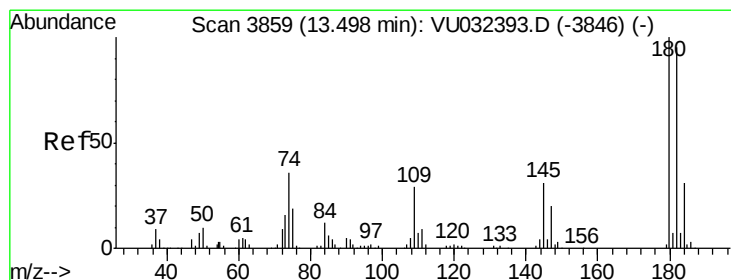
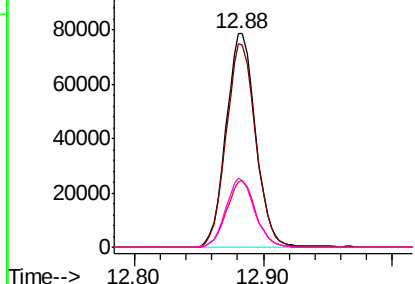
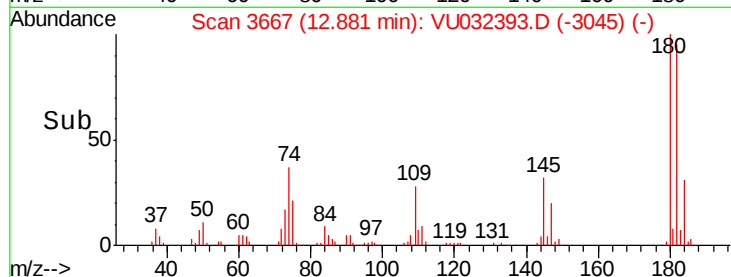
#67
 1,3,5-Trichlorobenzene
 Concen: 5.000 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion:180 Resp: 125380
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 184 30.6 24.5 36.7
 145 31.5 25.2 37.8

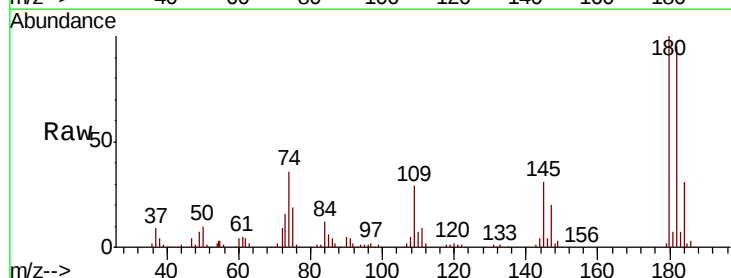


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

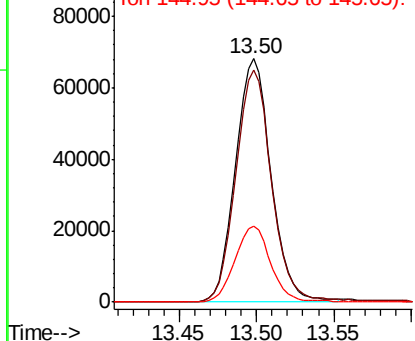
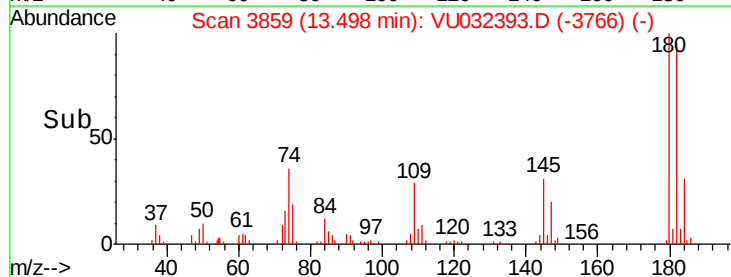


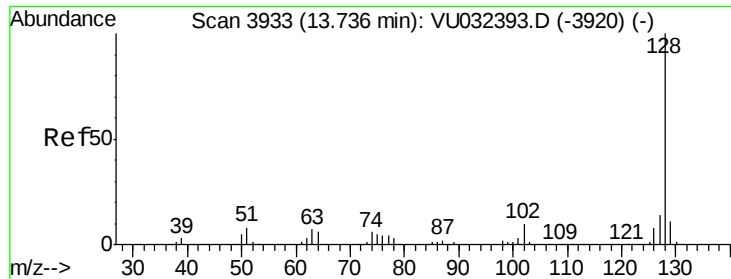
#68
 1,2,4-trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032393.D
 Acq: 03 Jun 2019 15:10

Tgt Ion:180 Resp: 108906
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.3 115.9
 145 31.2 25.0 37.4



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: 5.000 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

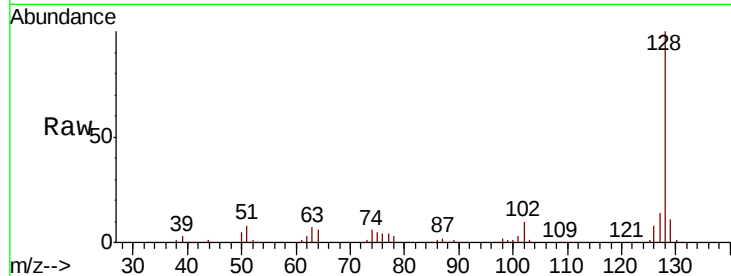
Tgt Ion:128 Resp: 214236

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

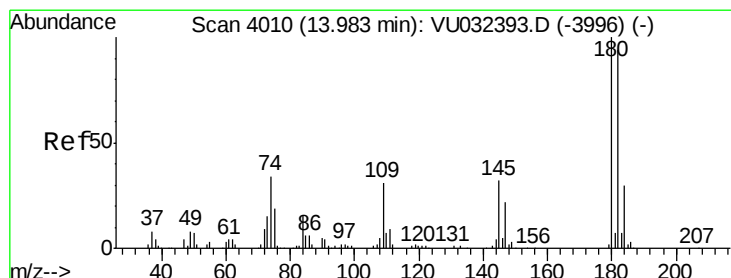
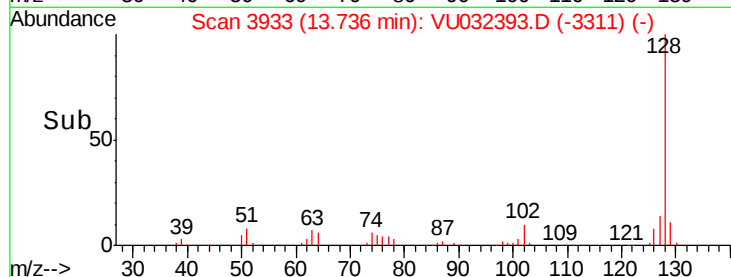
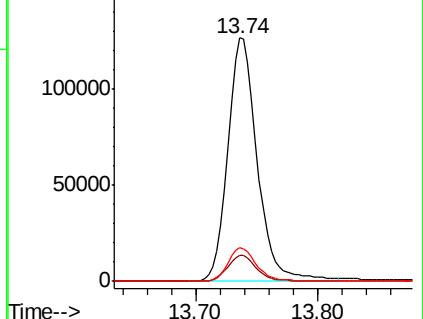
127 13.7 11.0 16.4



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: 5.000 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032393.D

Acq: 03 Jun 2019 15:10

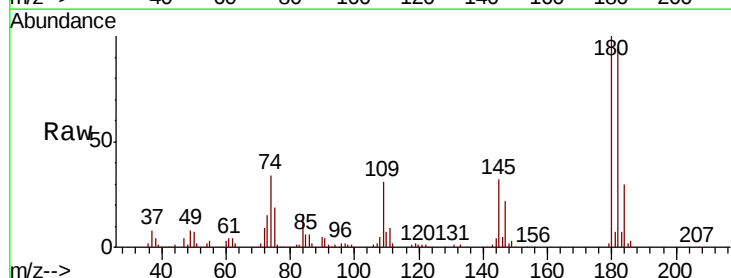
Tgt Ion:180 Resp: 102173

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 33.4 26.7 40.1



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

