

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032391.D
 Acq On : 03 Jun 2019 14:21
 Operator : JC/SP
 Sample : VSTD0.508
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.508

Quant Time: Jun 04 08:32:04 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	113548	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	106861	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	49270	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	6073	0.60	ug/L	0.00
7) Chloroethane-d5	1.68	69	6714	0.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	12432	0.51	ug/L	0.00
20) 2-Butanone-d5	4.21	46	12056	4.88	ug/L	0.02
24) Chloroform-d	4.64	84	8103	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	4654	0.54	ug/L	0.00
32) Benzene-d6	5.33	84	15507	0.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	5228	0.55	ug/L	0.00
41) Toluene-d8	7.56	98	14512	0.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	2356	0.52	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	9604	4.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	4274	0.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4789	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	10080	0.538 ug/L	95
3) Chloromethane	1.33	50	10744	0.561 ug/L	98
5) Vinyl chloride	1.40	62	10926	0.533 ug/L	100
6) Bromomethane	1.63	94	6952	0.486 ug/L	99
8) Chloroethane	1.69	64	9926	0.498 ug/L	92
9) Trichlorofluoromethane	1.87	101	19253	0.658 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8733	0.545 ug/L	97
12) 1,1-Dichloroethene	2.28	96	7866	0.527 ug/L	95
13) Acetone	2.34	43	21795	5.570 ug/L	98
14) Carbon disulfide	2.47	76	26867	0.534 ug/L	98
15) Methyl Acetate	2.62	43	5712	0.608 ug/L	98
16) Methylene chloride	2.69	84	10396	0.609 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	25638	0.526 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	8979	0.528 ug/L	98
19) 1,1-Dichloroethane	3.43	63	14748	0.521 ug/L	98
21) 2-Butanone	4.29	43	25707	4.924 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	8619	0.535 ug/L	97
23) Bromochloromethane	4.54	128	3413	0.512 ug/L	96
25) Chloroform	4.67	83	15165	0.519 ug/L	99
27) 1,2-Dichloroethane	5.40	62	10406	0.512 ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	13371	0.538 ug/L	99
30) Cyclohexane	4.98	56	14979	0.551 ug/L	97
31) Carbon tetrachloride	5.12	117	11244	0.511 ug/L	98
33) Benzene	5.38	78	32177	0.535 ug/L	100
34) Trichloroethene	6.18	95	8956	0.551 ug/L	97
35) Methylcyclohexane	6.40	83	14325	0.522 ug/L	99
37) 1,2-Dichloropropane	6.43	63	8711	0.536 ug/L	# 97
38) Bromodichloromethane	6.75	83	11306	0.525 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	13292	0.498 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	62065	5.028 ug/L	99

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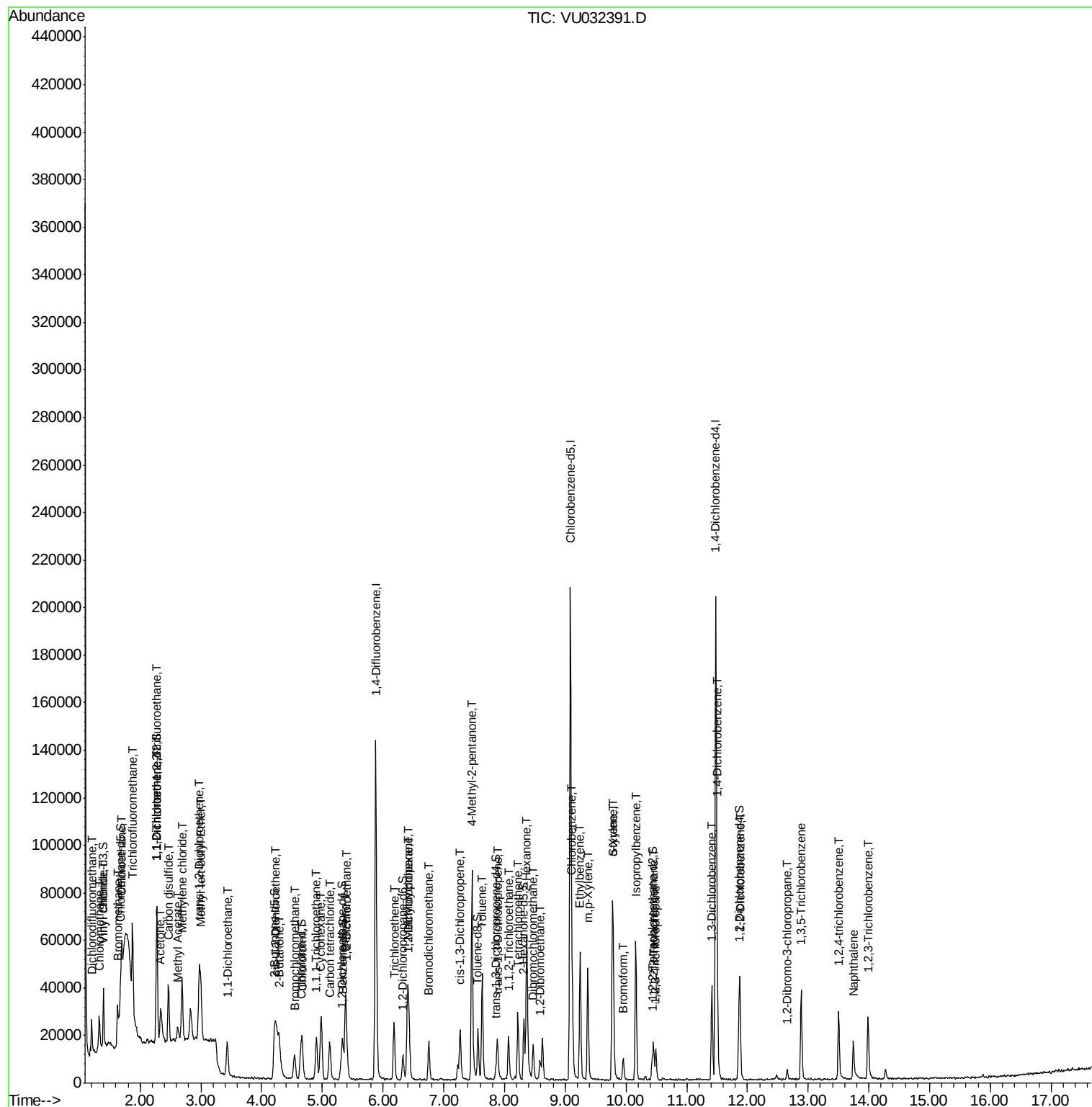
42) Toluene	7.63	91	33381	0.507	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	10474	0.484	ug/L	90
45) 1,1,2-Trichloroethane	8.06	97	5767	0.502	ug/L	90
47) Tetrachloroethene	8.22	164	6095	0.538	ug/L	97
48) 2-Hexanone	8.37	43	45110	4.997	ug/L	99
49) Dibromochloromethane	8.47	129	6915	0.480	ug/L	98
50) 1,2-Dibromoethane	8.58	107	6145	0.542	ug/L #	94
51) Chlorobenzene	9.12	112	21880	0.542	ug/L	98
52) Ethylbenzene	9.24	91	38372	0.513	ug/L	99
53) m,p-Xylene	9.37	106	13779	0.497	ug/L	98
54) o-Xylene	9.77	106	13281	0.485	ug/L	93
55) Styrene	9.79	104	22622	0.491	ug/L	100
56) Isopropylbenzene	10.16	105	37073	0.514	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	7895	0.522	ug/L	94
59) 1,2,3-Trichloropropane	10.49	75	5306	0.494	ug/L	95
61) Bromoform	9.96	173	3788	0.478	ug/L #	96
62) 1,3-Dichlorobenzene	11.41	146	15621	0.523	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	15971	0.534	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	14739	0.520	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	1301	0.466	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.89	180	11396	0.493	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	9061	0.452	ug/L	98
69) Naphthalene	13.75	128	14816	0.375	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	9126	0.485	ug/L	96

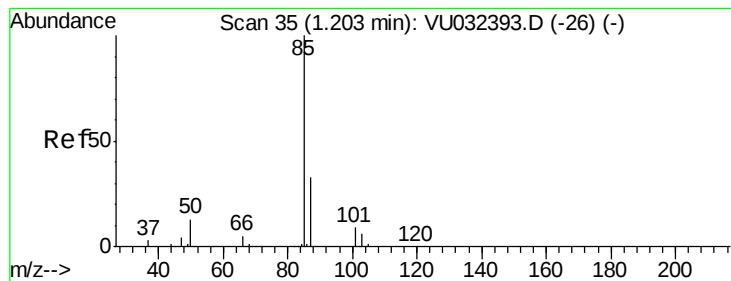
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.538 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

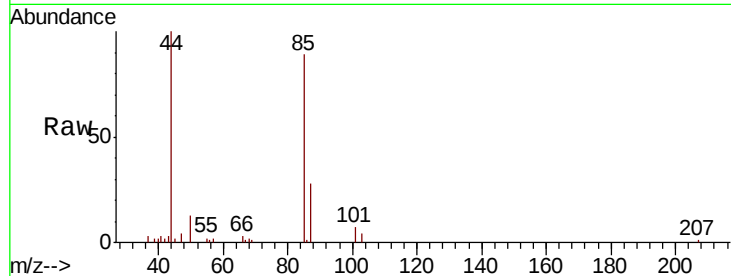
VSTD0.508

Tgt Ion: 85 Resp: 10080

Ion Ratio Lower Upper

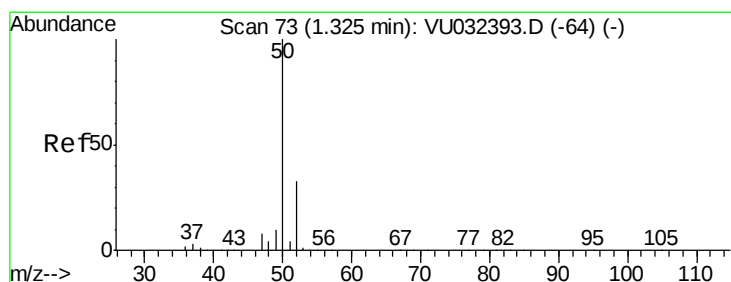
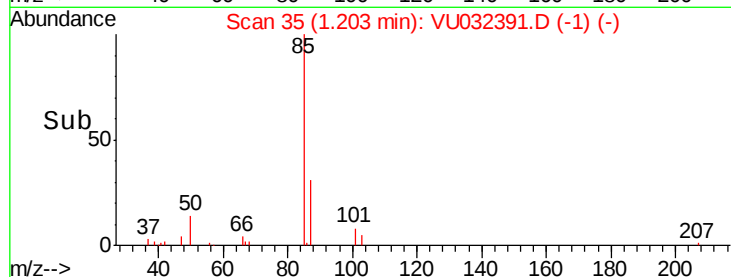
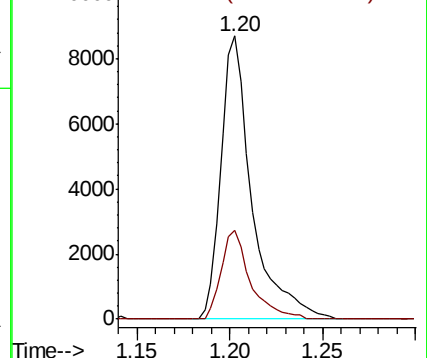
85 100

87 29.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032391.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU032391.D (-26) (-)



#3

Chloromethane

Concen: 0.561 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032391.D

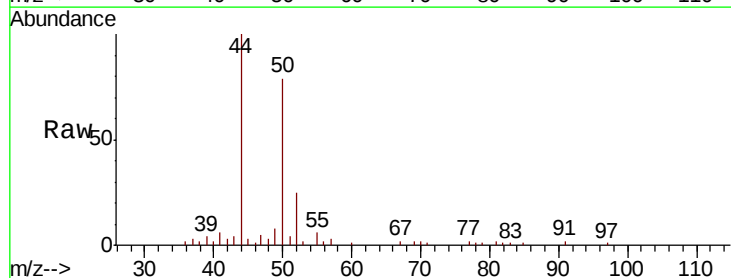
Acq: 03 Jun 2019 14:21

Tgt Ion: 50 Resp: 10744

Ion Ratio Lower Upper

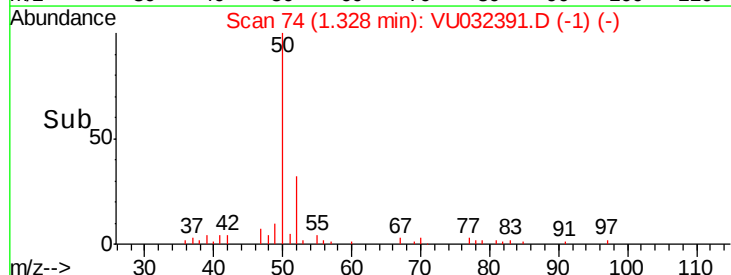
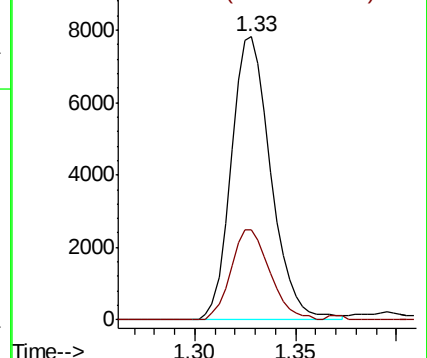
50 100

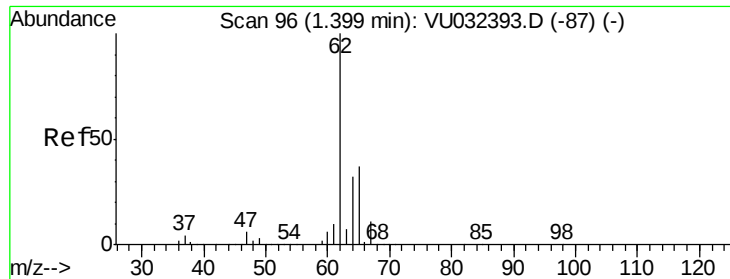
52 31.8 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU032391.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU032391.D (-1) (-)





#5

Vinyl chloride

Concen: 0.533 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampled :

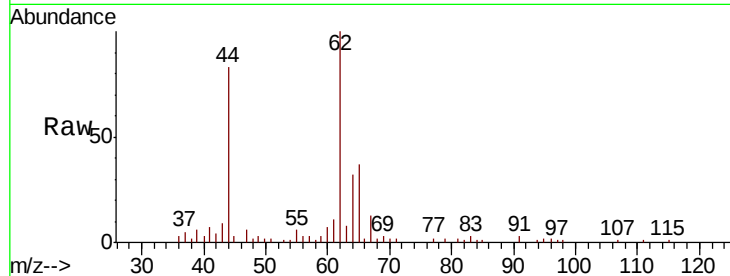
VSTD0.508

Tgt Ion: 62 Resp: 10926

Ion Ratio Lower Upper

62 100

64 32.0 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU032391.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032391.D (-87) (-)

1.40

10000

8000

6000

4000

2000

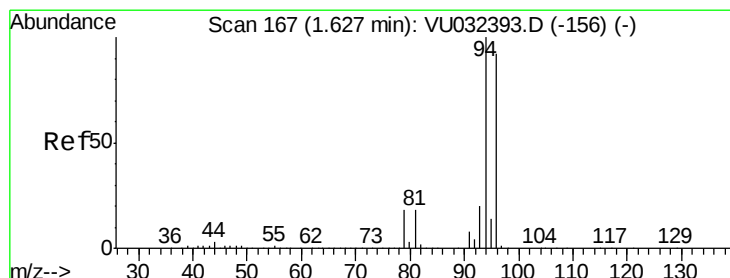
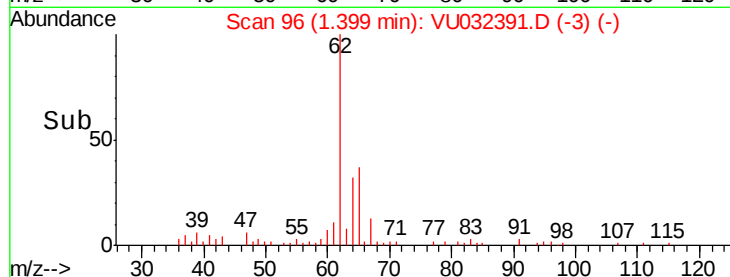
0

Time-->

1.35

1.40

1.45



#6

Bromomethane

Concen: 0.486 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU032391.D

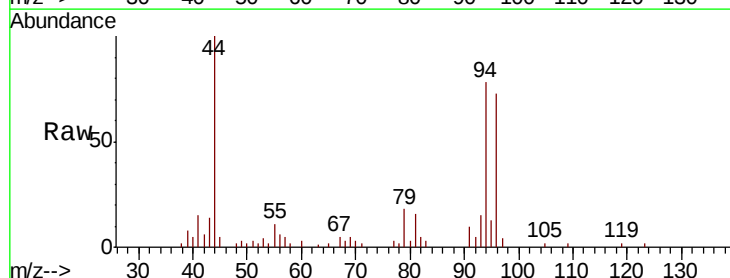
Acq: 03 Jun 2019 14:21

Tgt Ion: 94 Resp: 6952

Ion Ratio Lower Upper

94 100

96 92.9 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU032391.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032391.D (-156) (-)

1.63

6000

5000

4000

3000

2000

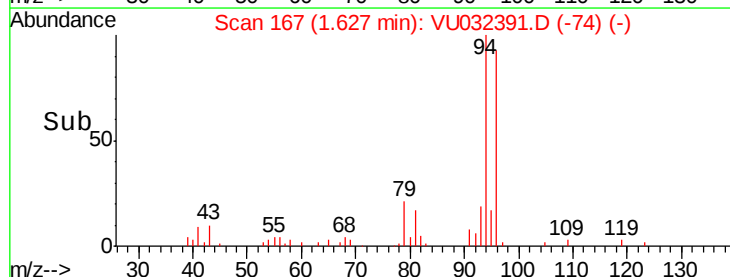
1000

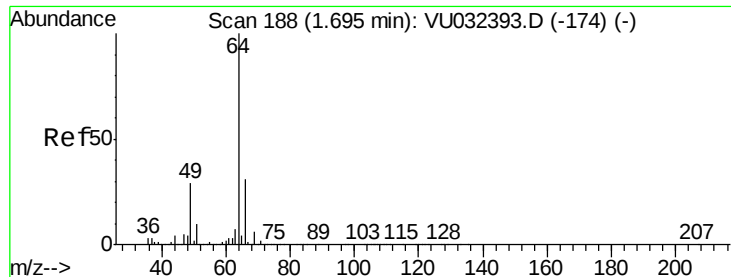
0

Time-->

1.60

1.65





#8

Chloroethane

Concen: 0.498 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

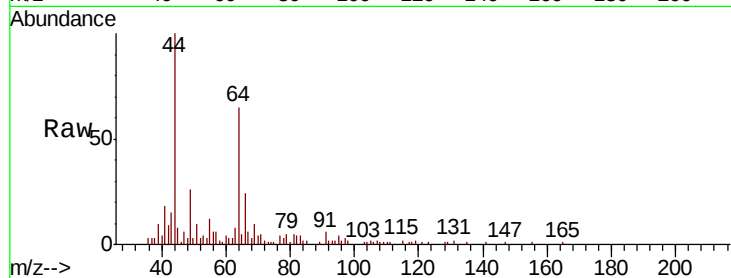
VSTD0.508

Tgt Ion: 64 Resp: 9926

Ion Ratio Lower Upper

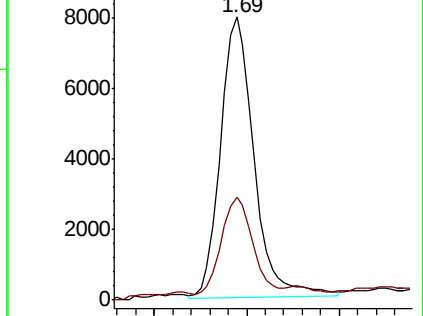
64 100

66 36.2 22.1 41.1

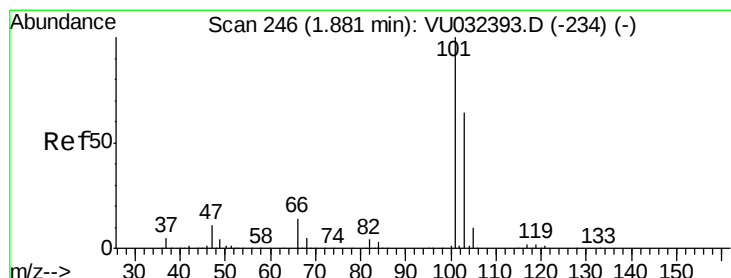
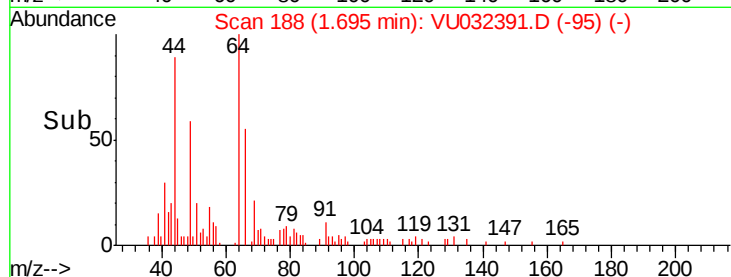


Abundance Ion 64.10 (63.80 to 64.80): VU032391.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU032391.D (-174) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 0.658 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.01 min

Lab File: VU032391.D

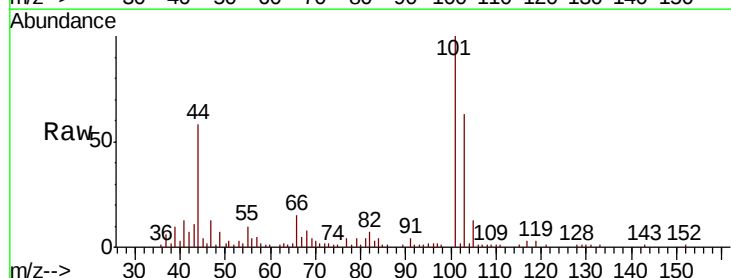
Acq: 03 Jun 2019 14:21

Tgt Ion: 101 Resp: 19253

Ion Ratio Lower Upper

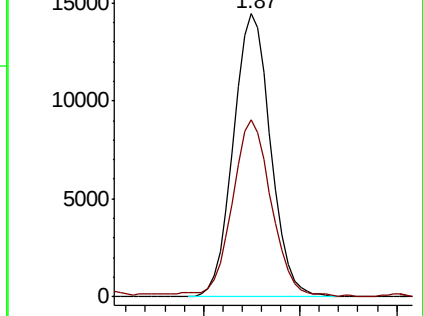
101 100

103 66.4 51.3 76.9

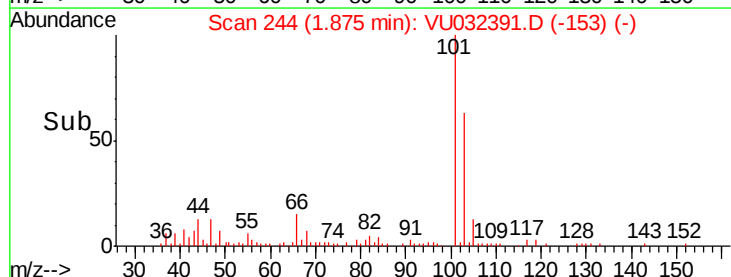


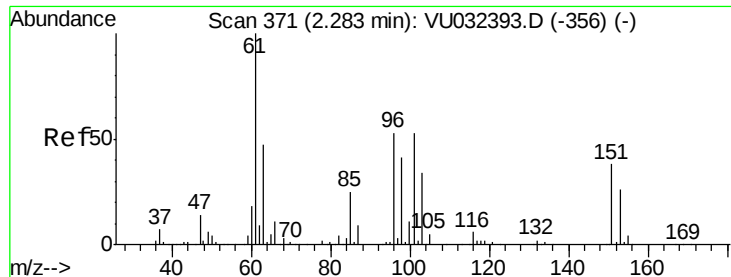
Abundance Ion 101.00 (100.70 to 101.70): VU032391.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU032391.D (-234) (-)



Time-->





#10

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

Concen: 0.545 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032391.D

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ClientSampleId :

VSTD0.508

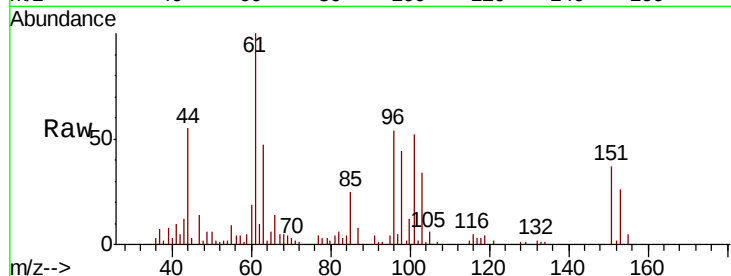
Tgt Ion: 101 Resp: 8733

Ion Ratio Lower Upper

101 100

85 50.1 38.0 57.0

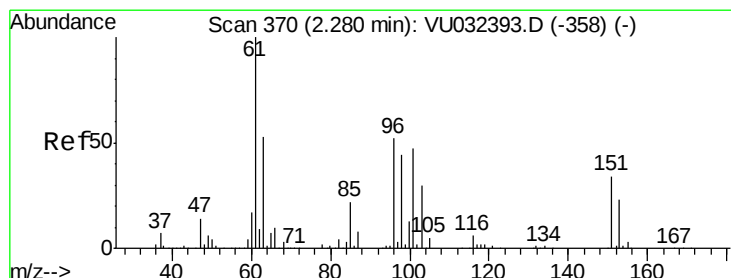
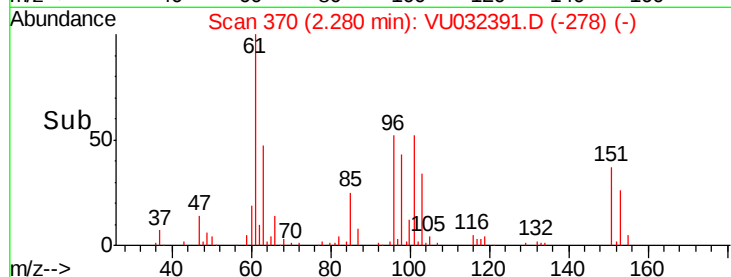
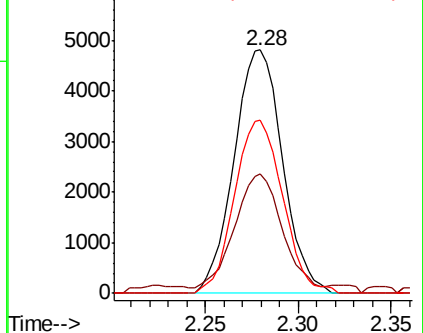
151 70.5 58.1 87.1



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: 0.527 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

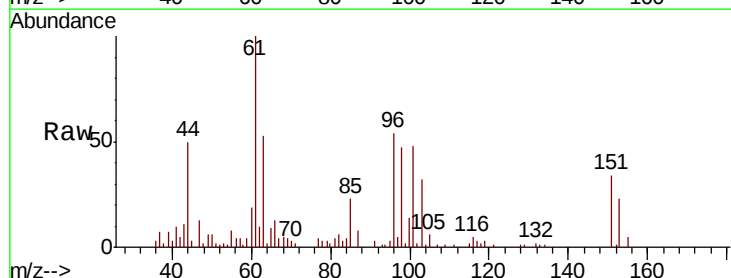
Tgt Ion: 96 Resp: 7866

Ion Ratio Lower Upper

96 100

61 183.6 133.6 248.0

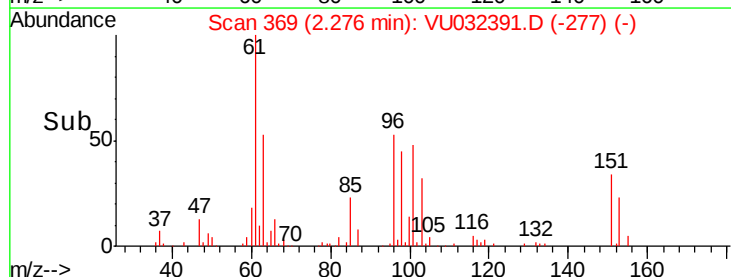
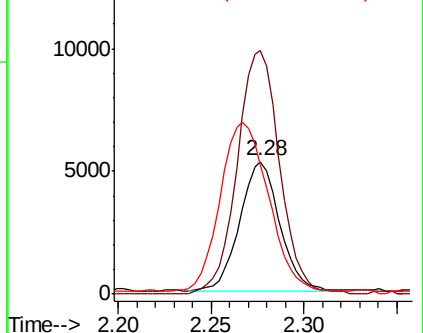
63 97.9 72.4 134.4

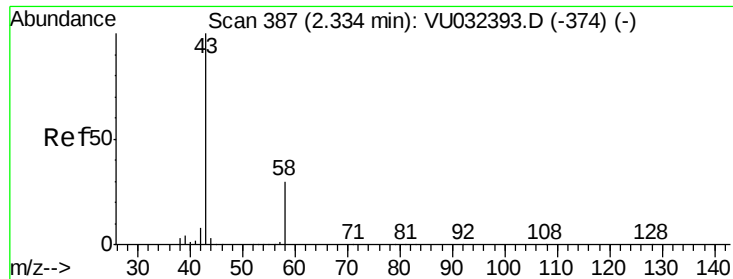


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.570 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

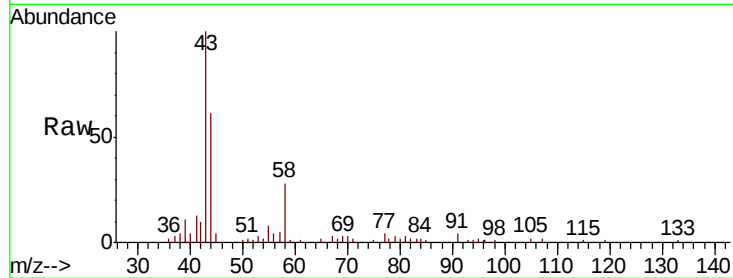
VSTD0.508

Tgt Ion: 43 Resp: 21795

Ion Ratio Lower Upper

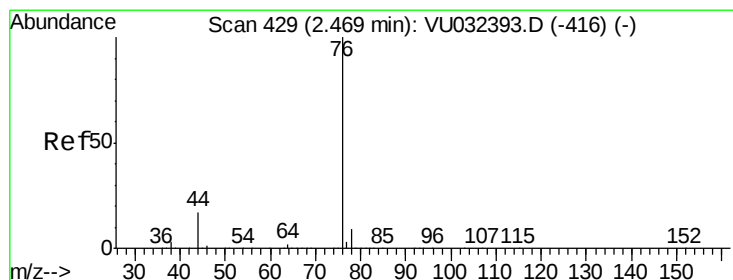
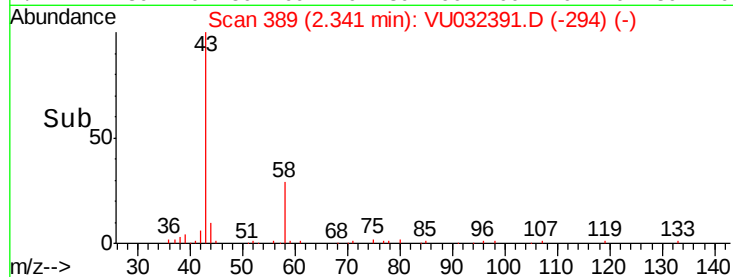
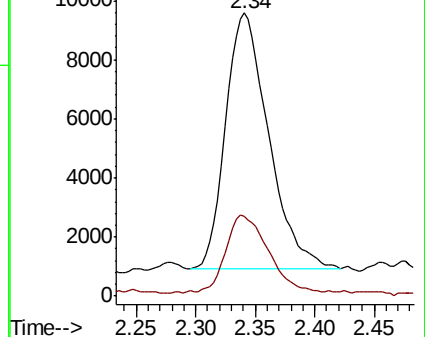
43 100

58 30.2 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VU032391.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032391.D (-374) (-)



#14

Carbon disulfide

Concen: 0.534 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU032391.D

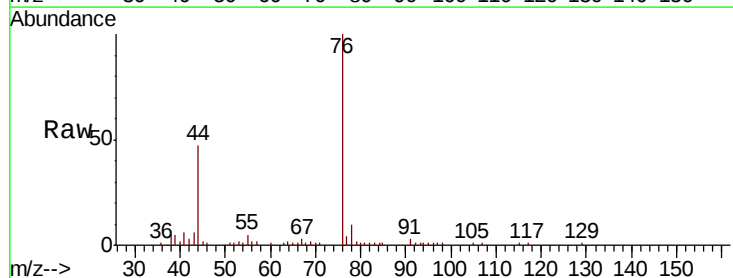
Acq: 03 Jun 2019 14:21

Tgt Ion: 76 Resp: 26867

Ion Ratio Lower Upper

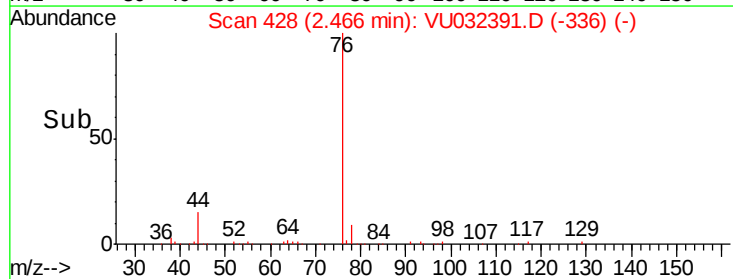
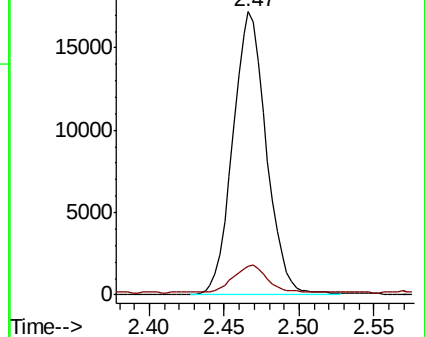
76 100

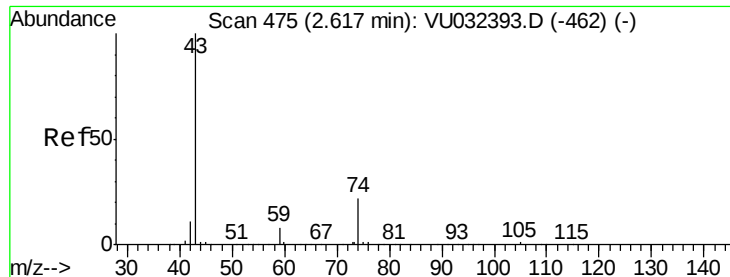
78 10.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU032391.D (-336) (-)

Ion 78.00 (77.70 to 78.70): VU032391.D (-336) (-)





#15

Methyl Acetate

Concen: 0.608 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

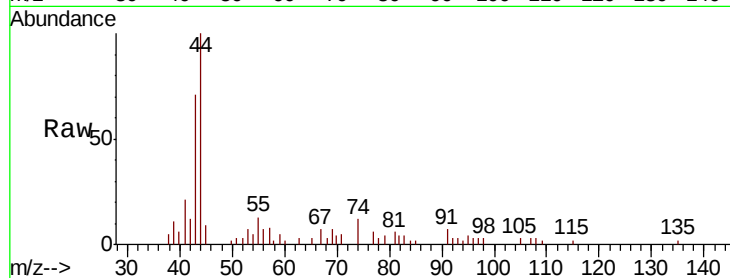
VSTD0.508

Tgt Ion: 43 Resp: 5712

Ion Ratio Lower Upper

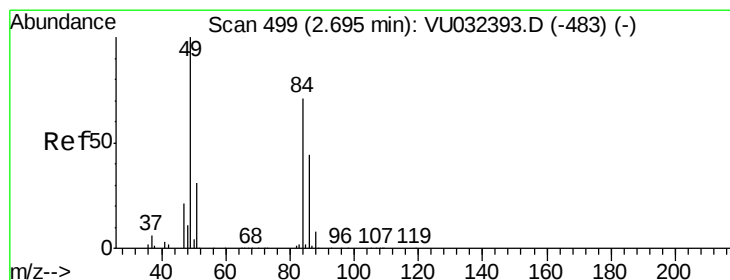
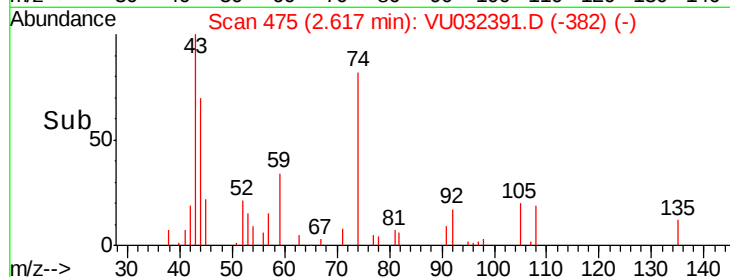
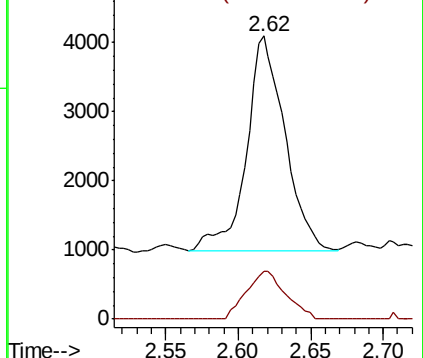
43 100

74 22.8 17.7 26.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.609 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

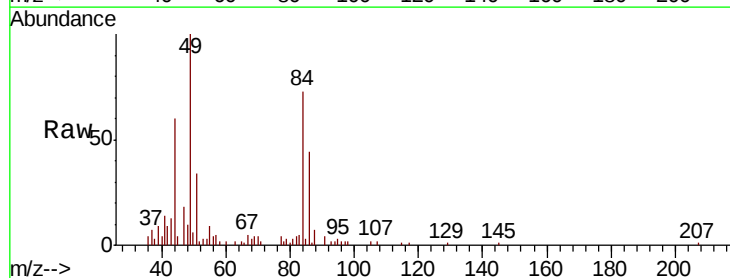
Tgt Ion: 84 Resp: 10396

Ion Ratio Lower Upper

84 100

86 60.6 43.8 81.4

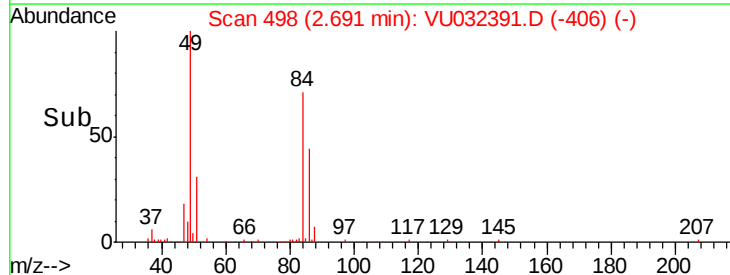
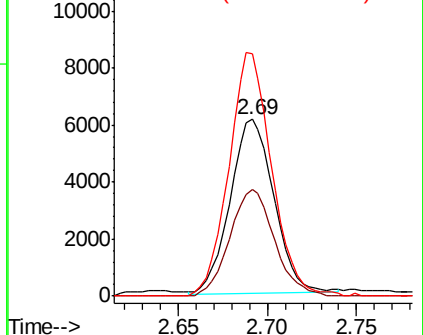
49 137.3 98.8 183.6

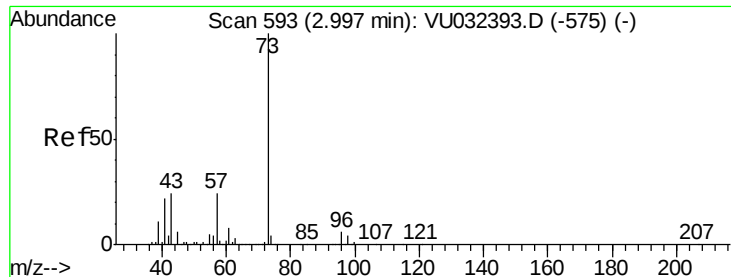


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 0.526 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.508

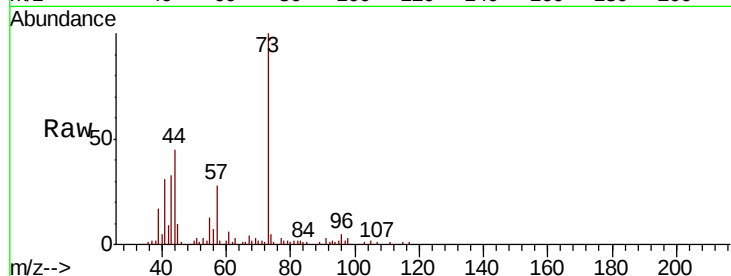
Tgt Ion: 73 Resp: 25638

Ion Ratio Lower Upper

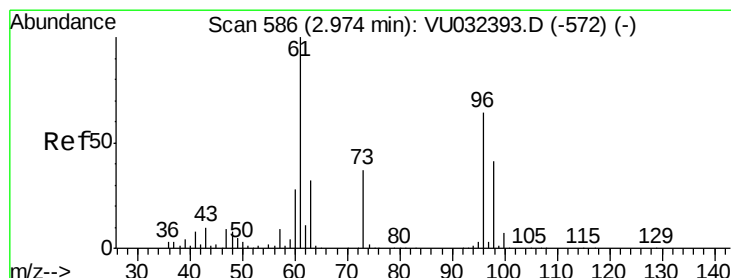
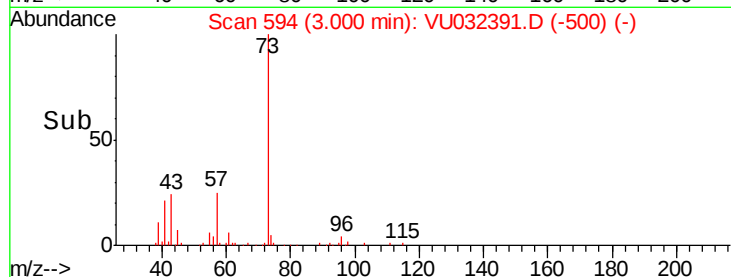
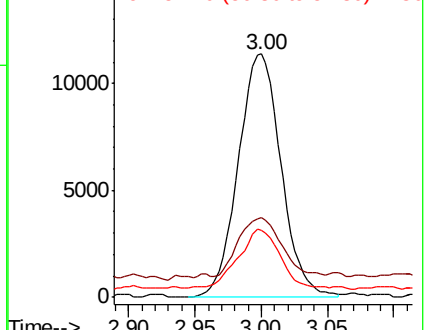
73 100

43 24.3 19.0 28.4

57 22.9 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: 0.528 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

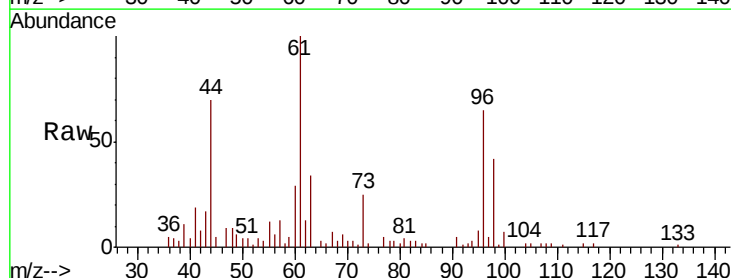
Tgt Ion: 96 Resp: 8979

Ion Ratio Lower Upper

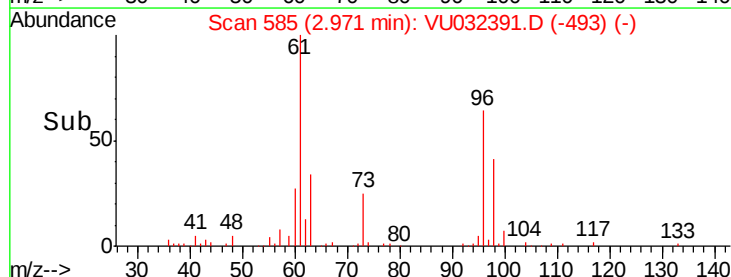
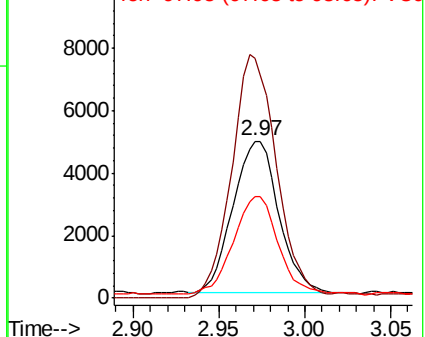
96 100

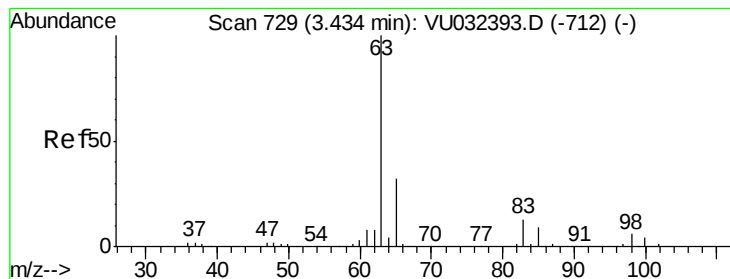
61 152.8 109.1 202.7

98 64.8 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: 0.521 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.508

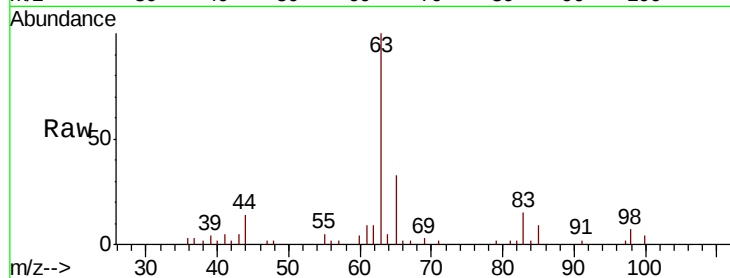
Tgt Ion: 63 Resp: 14748

Ion Ratio Lower Upper

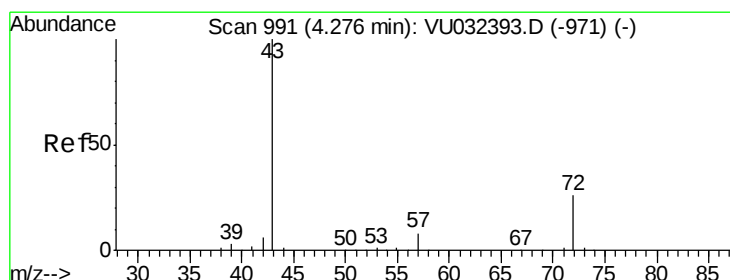
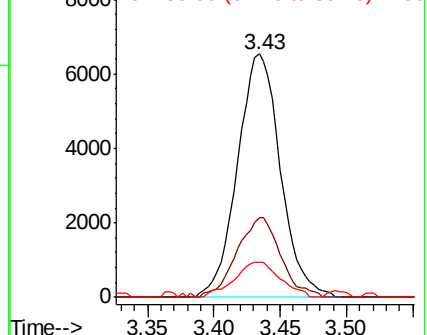
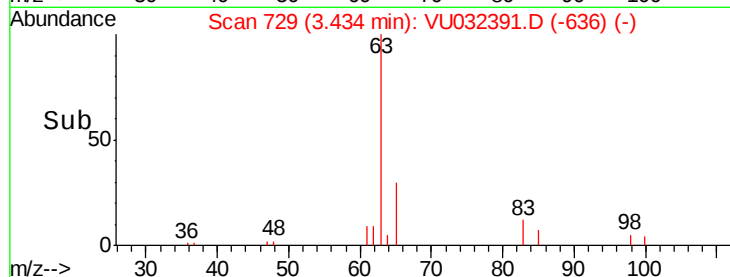
63 100

65 32.9 22.5 41.7

83 14.6 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU032391.D (-636) (-)



#21

2-Butanone

Concen: 4.924 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.01 min

Lab File: VU032391.D

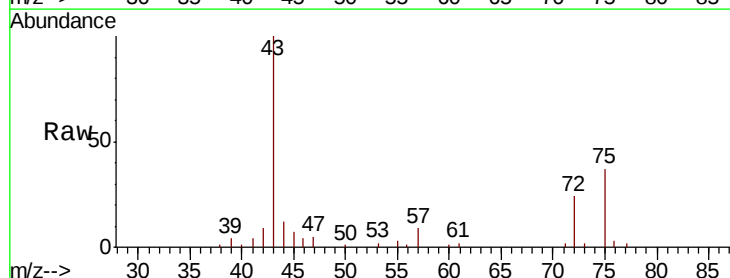
Acq: 03 Jun 2019 14:21

Tgt Ion: 43 Resp: 25707

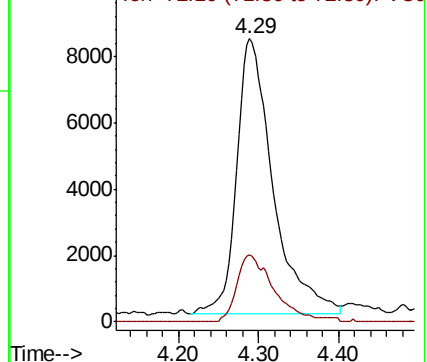
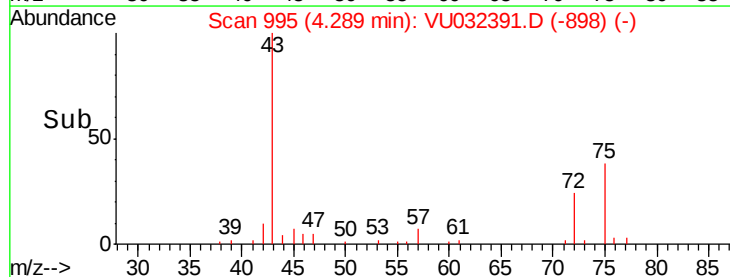
Ion Ratio Lower Upper

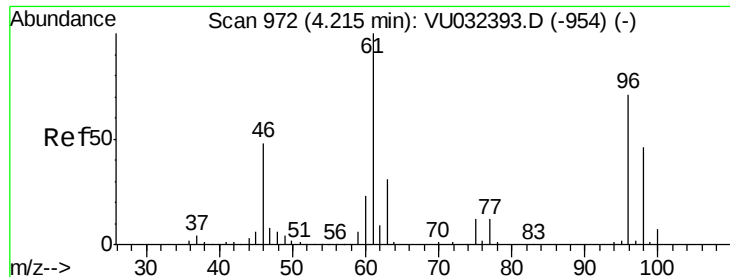
43 100

72 24.6 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VU032391.D (-898) (-)



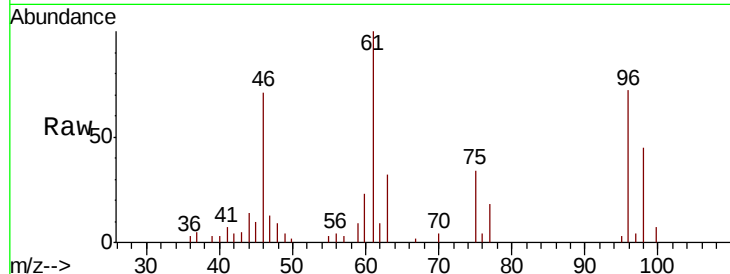


#22

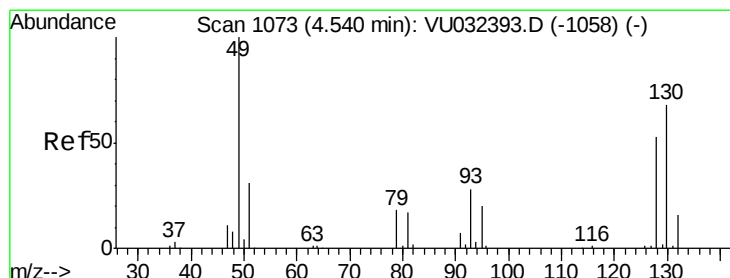
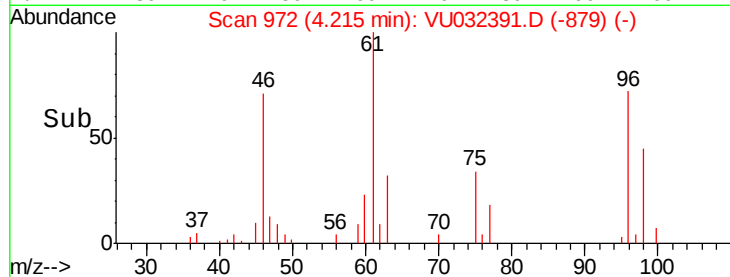
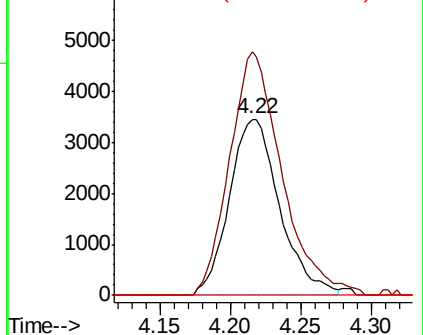
cis-1,2-Dichloroethene
 Concen: 0.535 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.508

Tgt Ion: 96 Resp: 8619
 Ion Ratio Lower Upper
 96 100
 61 138.2 99.0 183.8
 68 0.0 0.0 0.0



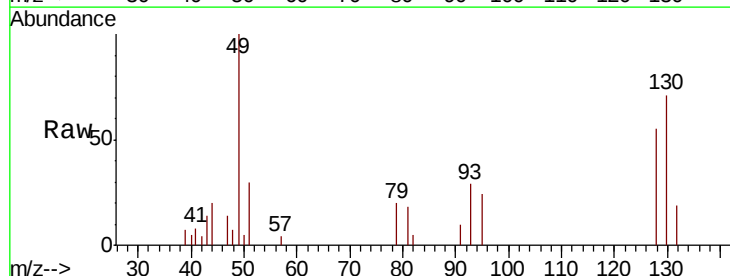
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



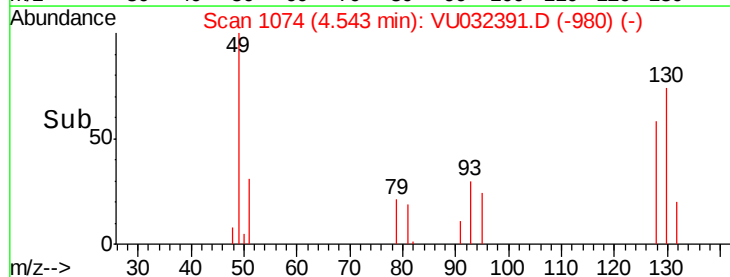
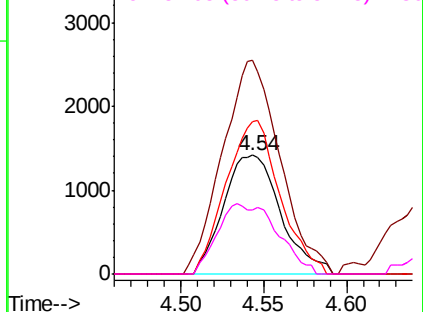
#23

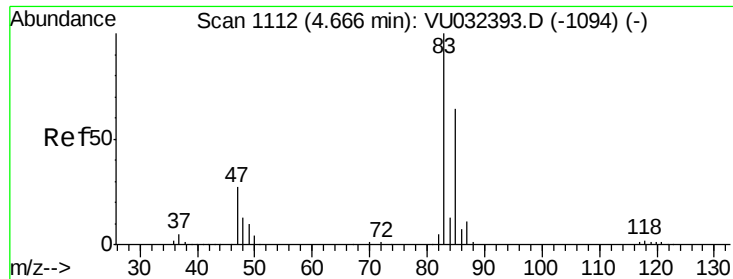
Bromochloromethane
 Concen: 0.512 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Tgt Ion: 128 Resp: 3413
 Ion Ratio Lower Upper
 128 100
 49 180.2 131.5 244.3
 130 128.5 89.7 166.7
 51 54.5 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

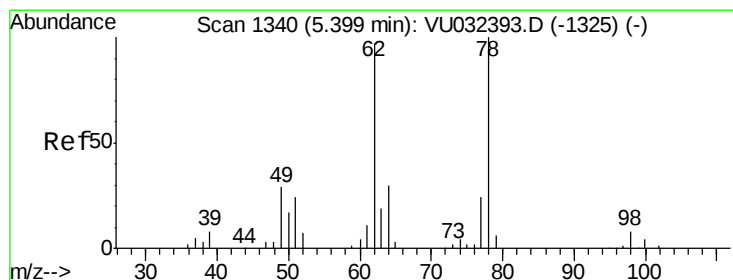
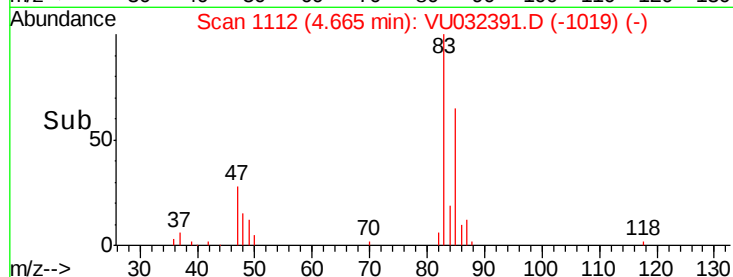
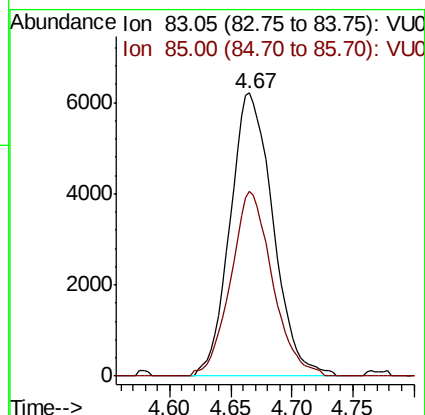
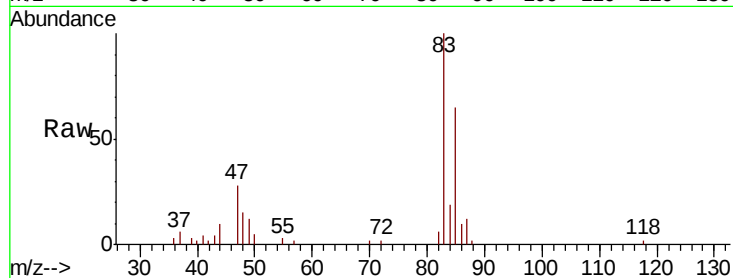




#25
Chloroform
Concen: 0.519 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032391.D
Acq: 03 Jun 2019 14:21

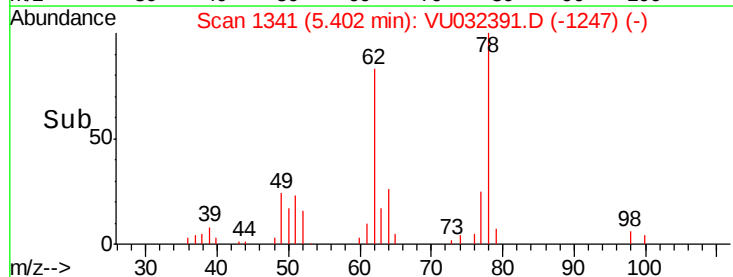
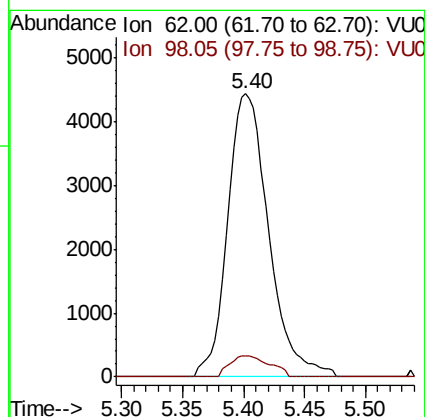
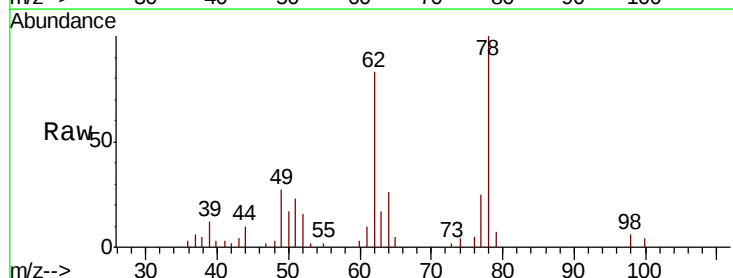
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.508

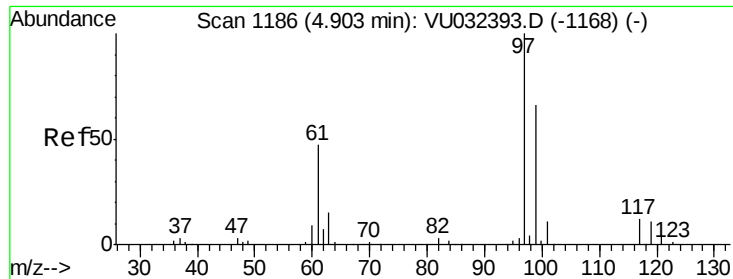
Tgt Ion: 83 Resp: 15165
Ion Ratio Lower Upper
83 100
85 65.3 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.512 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032391.D
Acq: 03 Jun 2019 14:21

Tgt Ion: 62 Resp: 10406
Ion Ratio Lower Upper
62 100
98 7.6 6.2 9.4

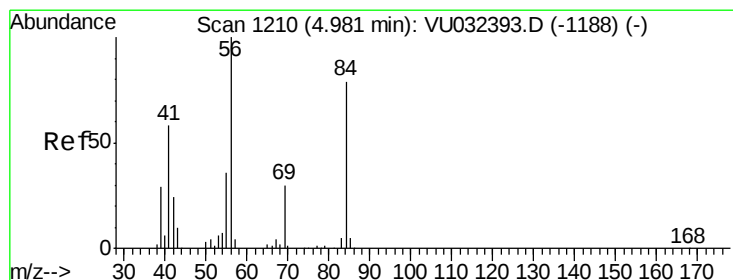
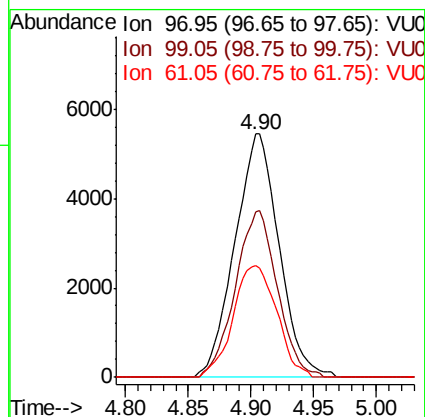
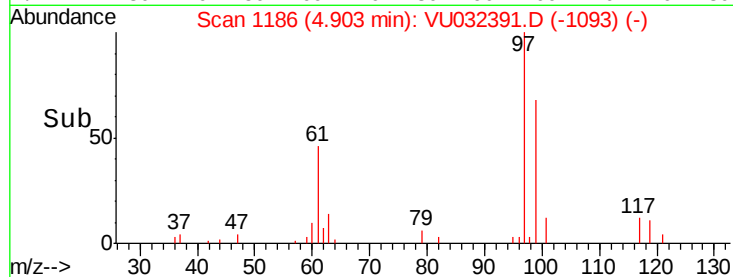
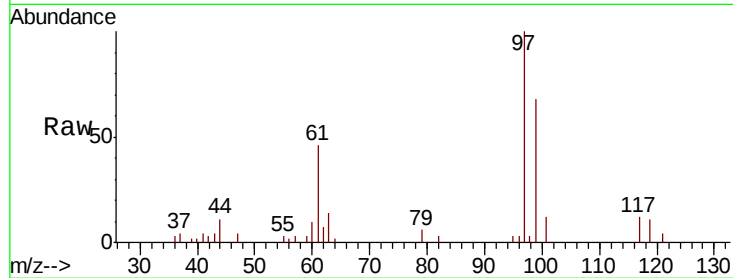




#29
 1,1,1-Trichloroethane
 Concen: 0.538 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

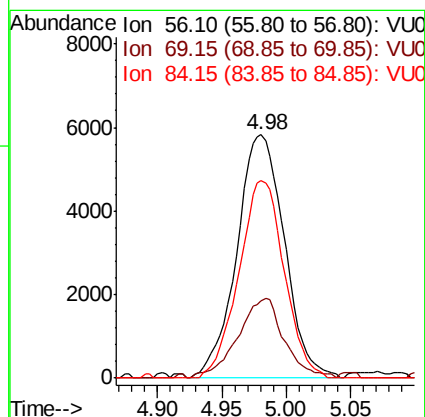
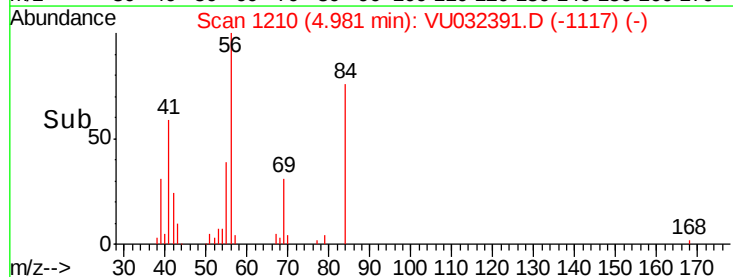
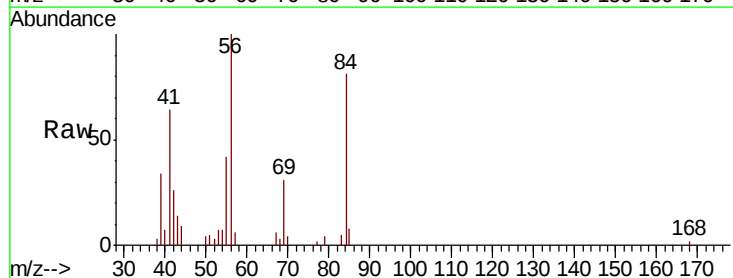
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.508

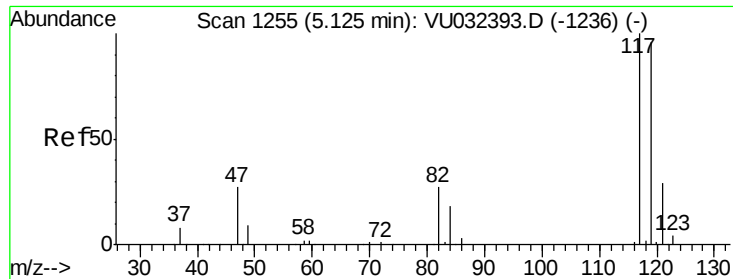
Tgt Ion: 97 Resp: 13371
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.6 77.4
 61 45.4 37.7 56.5



#30
 Cyclohexane
 Concen: 0.551 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Tgt Ion: 56 Resp: 14979
 Ion Ratio Lower Upper
 56 100
 69 31.9 24.2 36.4
 84 77.2 64.3 96.5





#31

Carbon tetrachloride

Concen: 0.511 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

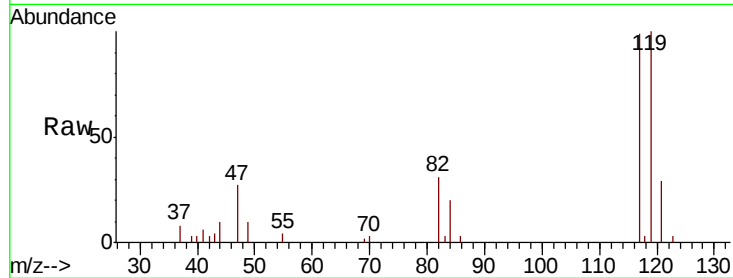
VSTD0.508

Tgt Ion:117 Resp: 11244

Ion Ratio Lower Upper

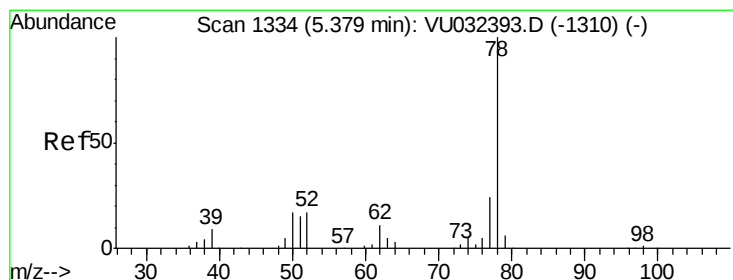
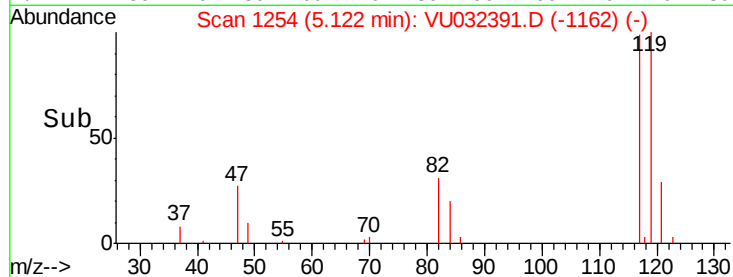
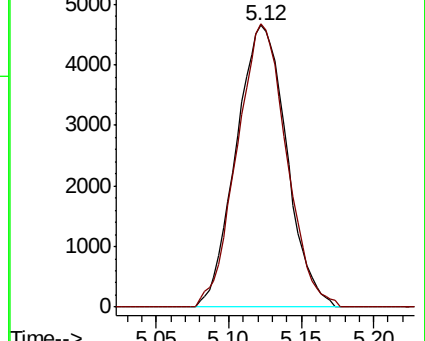
117 100

119 98.4 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: 0.535 ug/L

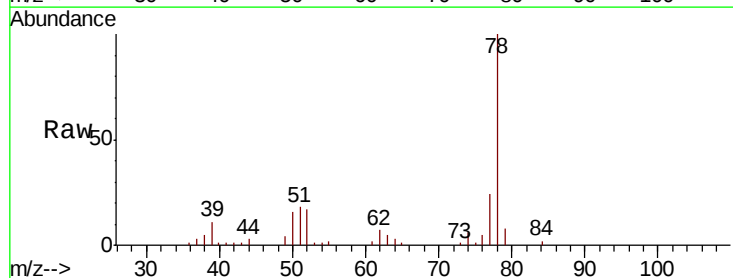
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

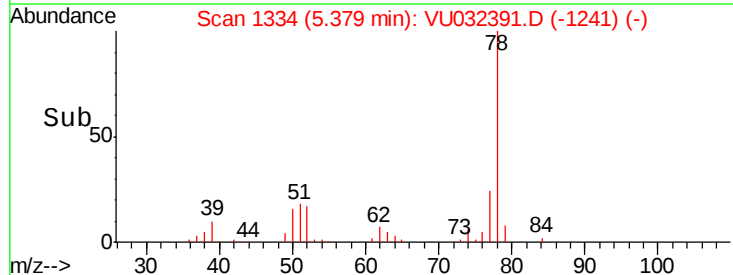
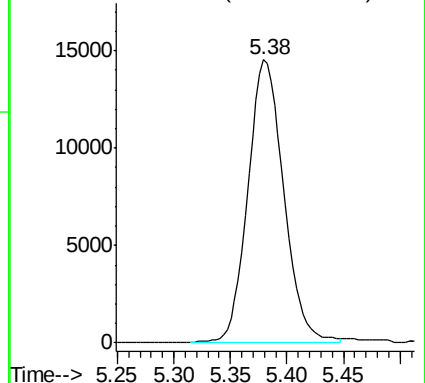
Lab File: VU032391.D

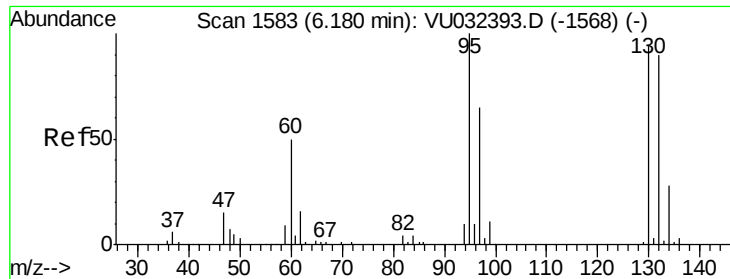
Acq: 03 Jun 2019 14:21

Tgt Ion: 78 Resp: 32177



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.551 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.508

Tgt Ion: 95 Resp: 8956

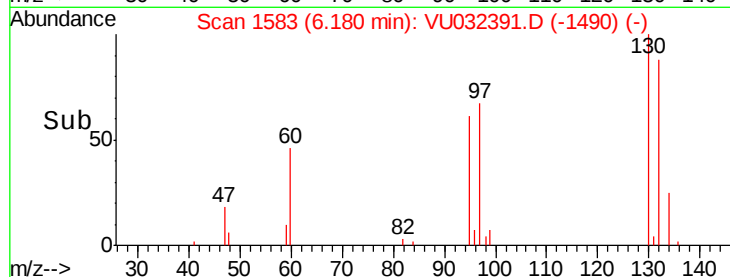
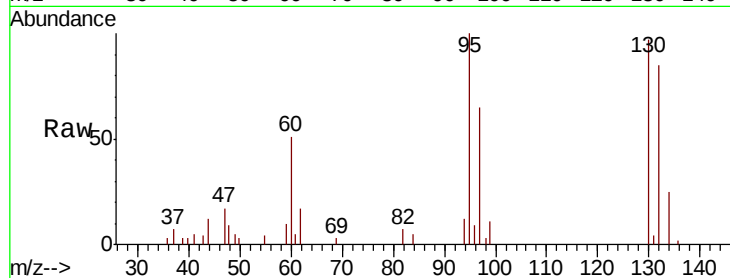
Ion Ratio Lower Upper

95 100

97 64.9 45.8 85.0

132 85.4 63.1 117.1

130 96.5 66.0 122.6

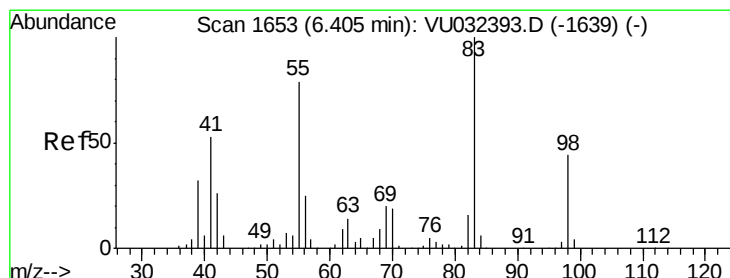
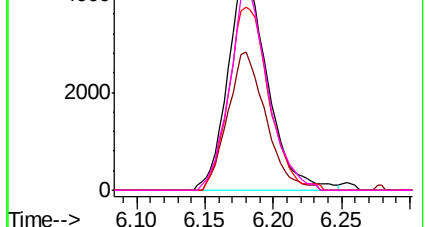


Abundance Ion 95.00 (94.70 to 95.70): VU032391.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032391.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032391.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032391.D (-1490) (-)



#35

Methylcyclohexane

Concen: 0.522 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

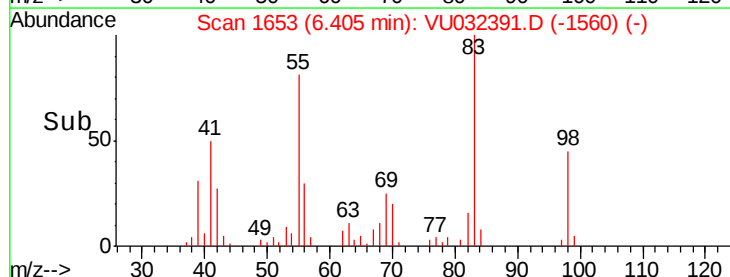
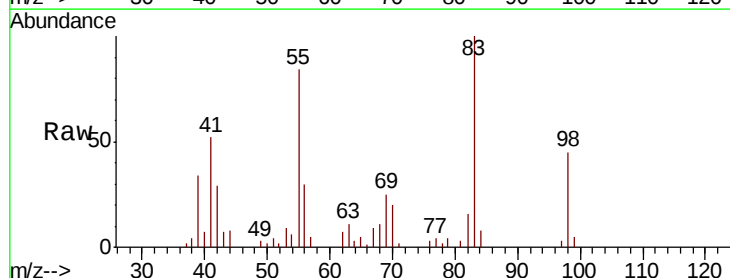
Tgt Ion: 83 Resp: 14325

Ion Ratio Lower Upper

83 100

55 81.8 64.7 97.1

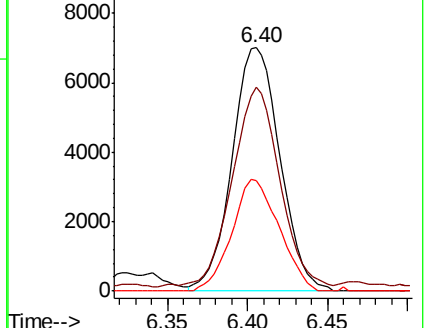
98 45.1 35.9 53.9

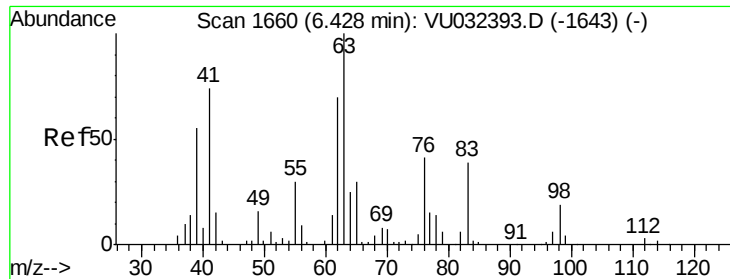


Abundance Ion 83.15 (82.85 to 83.85): VU032391.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU032391.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU032391.D (-1560) (-)

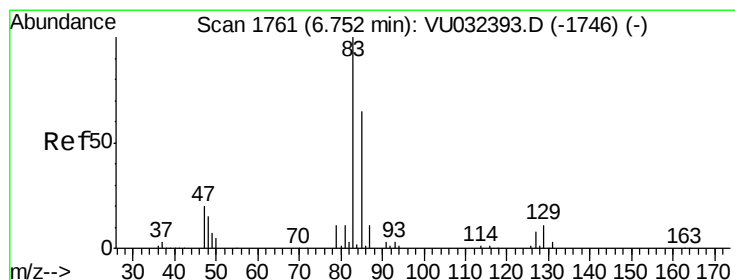
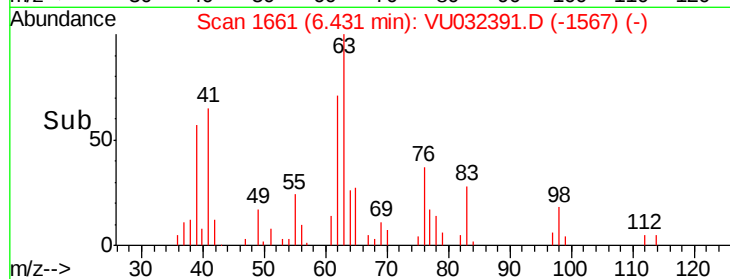
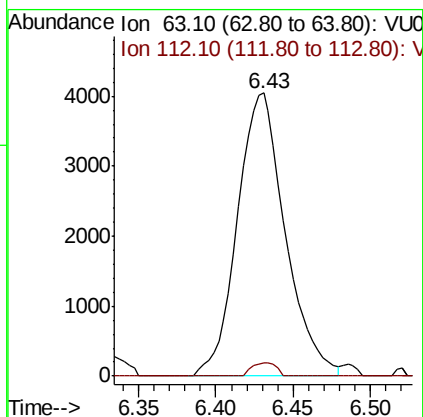
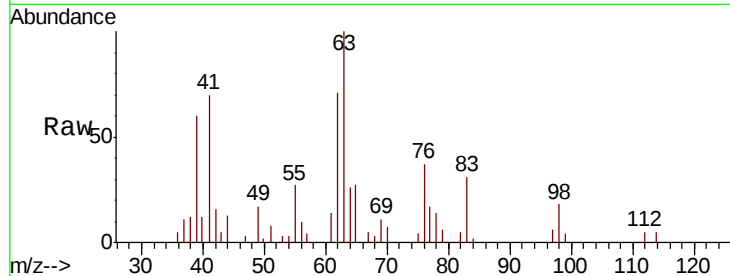




#37
 1,2-Dichloropropane
 Concen: 0.536 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

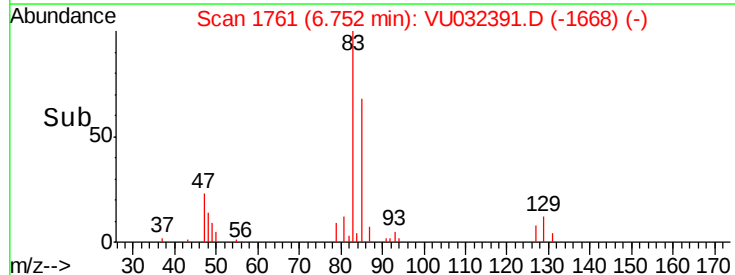
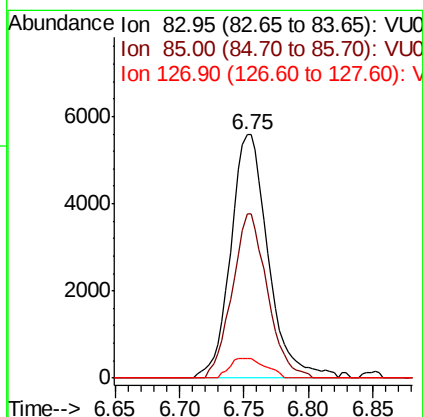
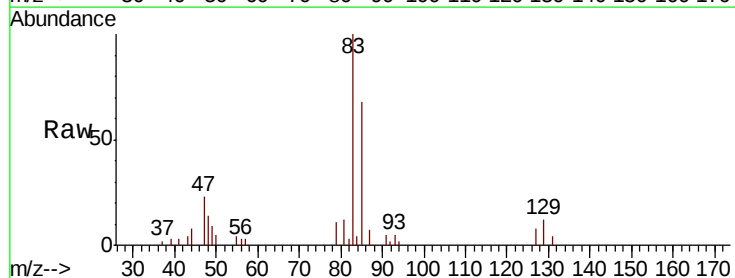
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.508

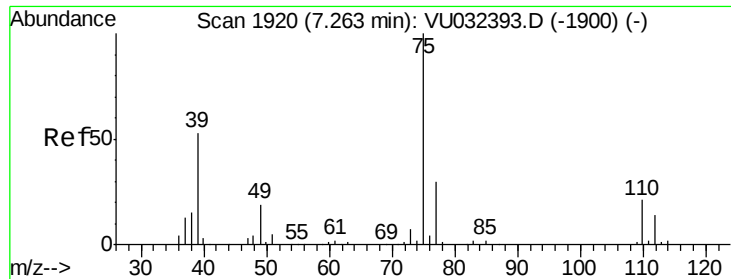
Tgt Ion: 63 Resp: 8711
 Ion Ratio Lower Upper
 63 100
 112 2.4 2.6 4.0#



#38
 Bromodichloromethane
 Concen: 0.525 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Tgt Ion: 83 Resp: 11306
 Ion Ratio Lower Upper
 83 100
 85 67.6 45.4 84.4
 127 8.3 6.5 9.7

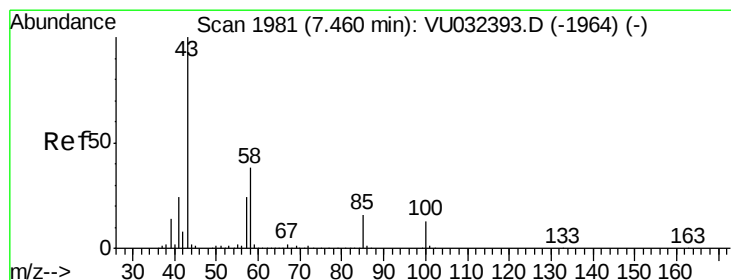
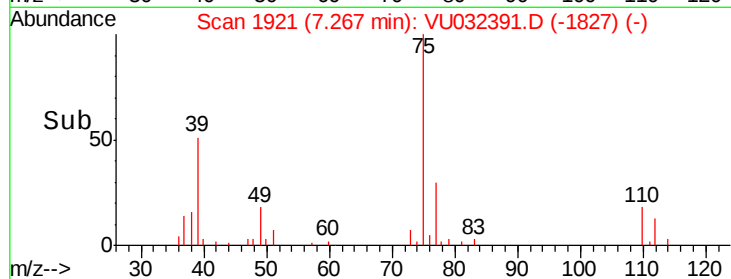
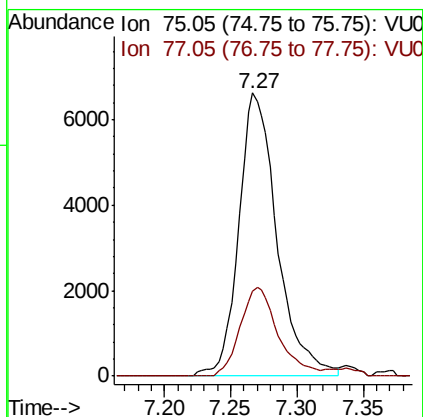
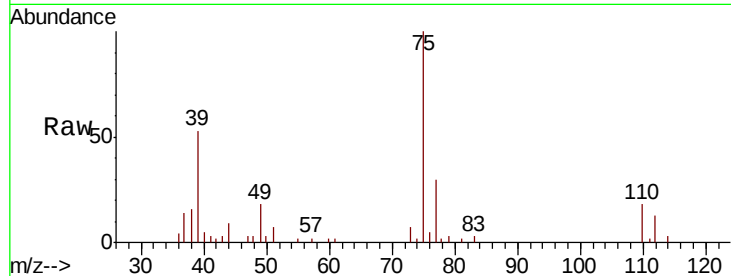




#39
 cis-1,3-Dichloropropene
 Concen: 0.498 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

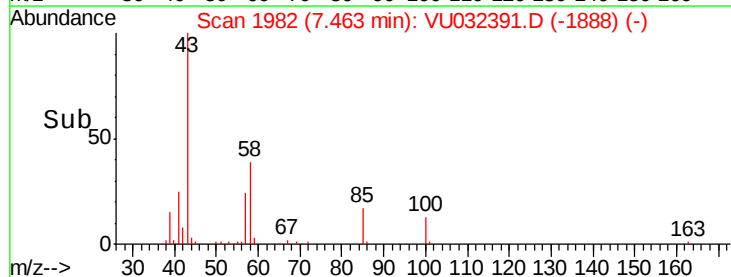
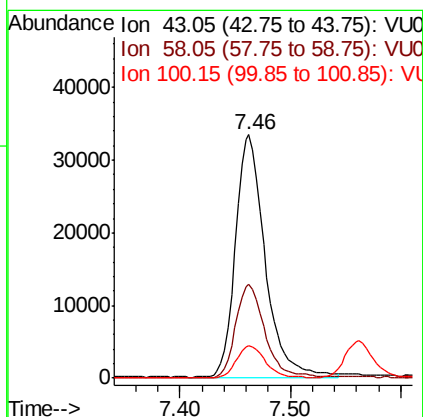
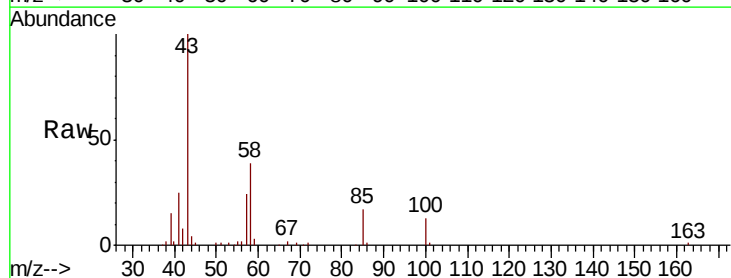
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.508

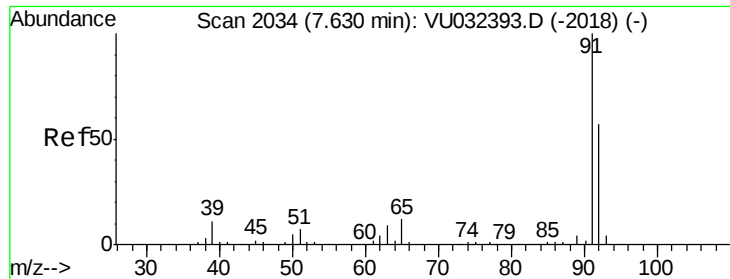
Tgt Ion: 75 Resp: 13292
 Ion Ratio Lower Upper
 75 100
 77 29.8 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 5.028 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Tgt Ion: 43 Resp: 62065
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.3 45.5
 100 13.1 10.3 15.5





#42

Toluene

Concen: 0.507 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

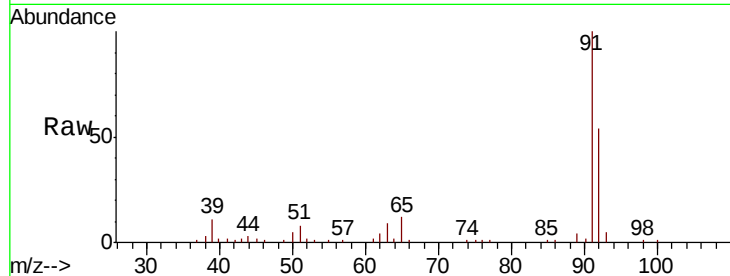
VSTD0.508

Tgt Ion: 91 Resp: 33381

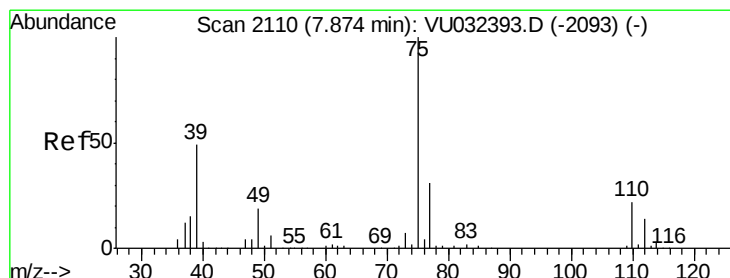
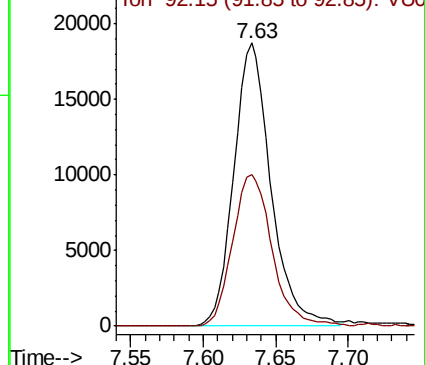
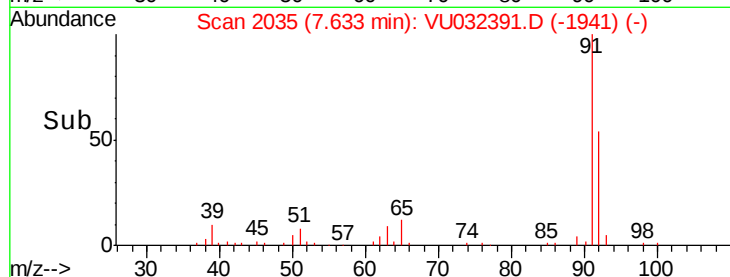
Ion Ratio Lower Upper

91 100

92 53.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU032391.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.484 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.01 min

Lab File: VU032391.D

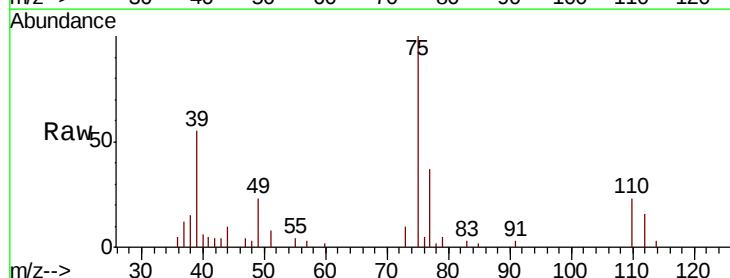
Acq: 03 Jun 2019 14:21

Tgt Ion: 75 Resp: 10474

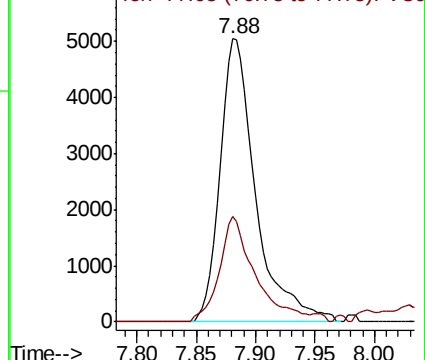
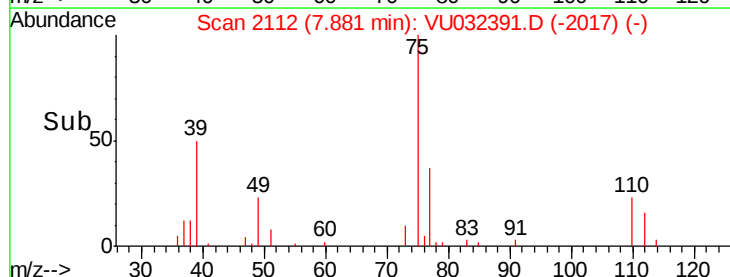
Ion Ratio Lower Upper

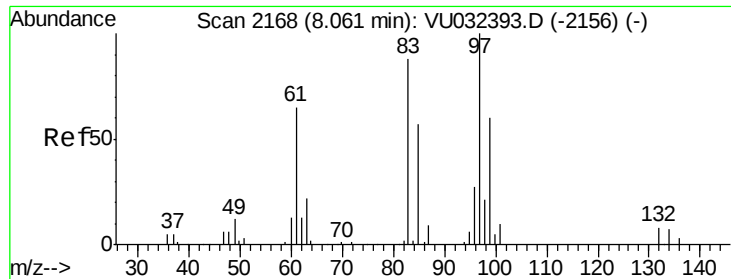
75 100

77 37.1 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU032391.D (-2017) (-)

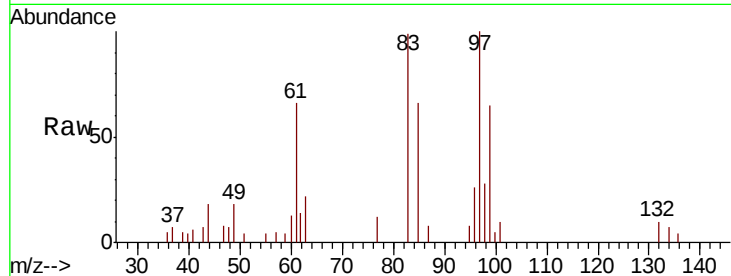




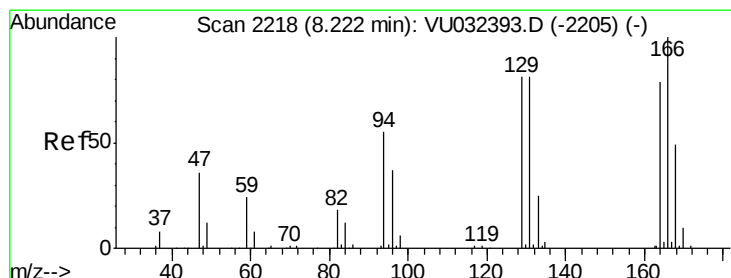
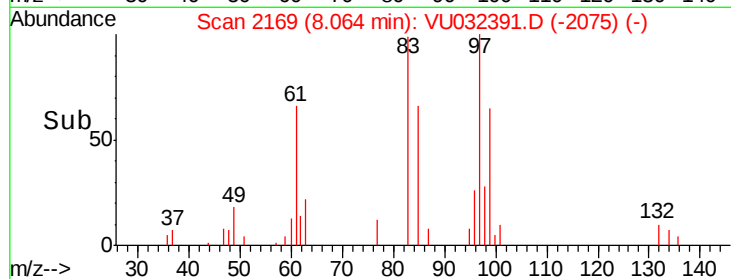
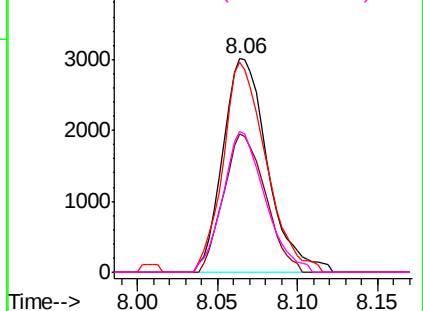
#45
 1,1,2-Trichloroethane
 Concen: 0.502 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.508

Tgt Ion:	97	Resp:	5767
Ion	Ratio	Lower	Upper
97	100		
99	64.7	42.2	78.4
83	98.5	61.9	114.9
85	66.0	39.7	73.7

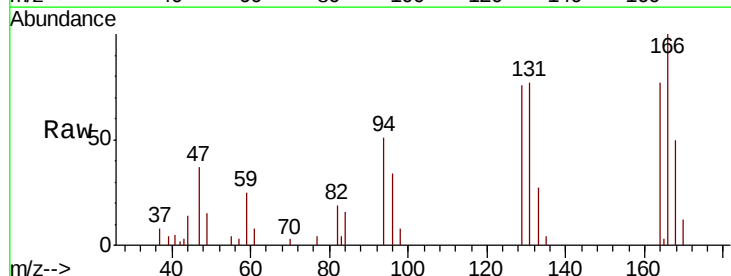


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

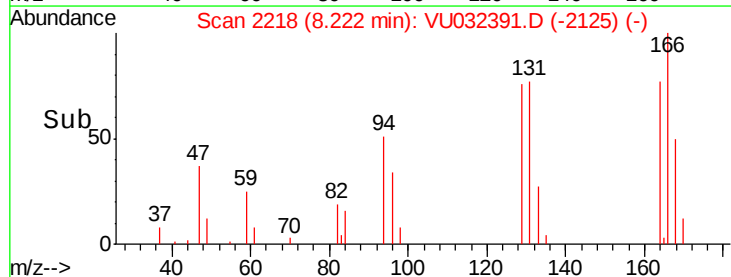
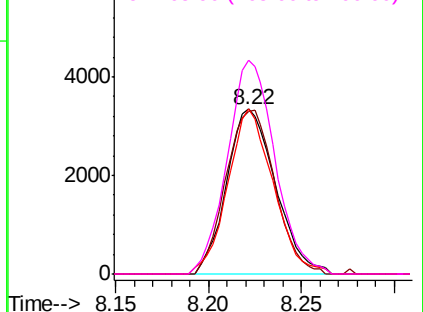


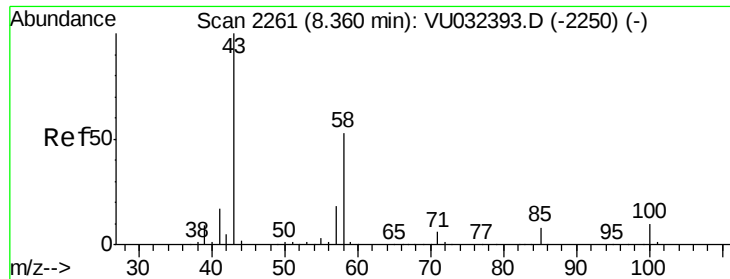
#47
 Tetrachloroethene
 Concen: 0.538 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Tgt Ion:	164	Resp:	6095
Ion	Ratio	Lower	Upper
164	100		
129	98.9	72.1	133.9
131	100.1	71.9	133.5
166	129.7	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

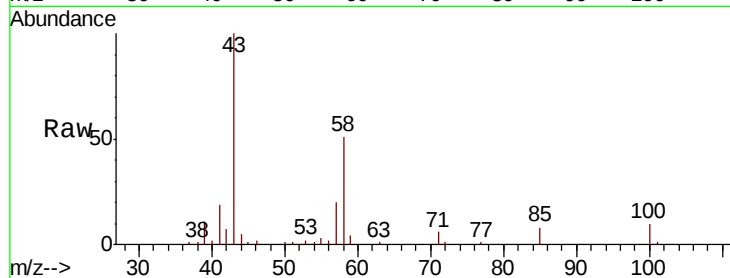




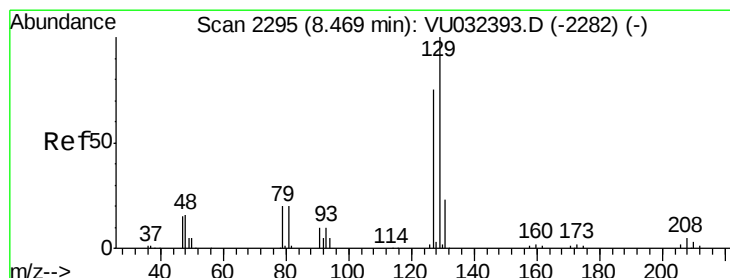
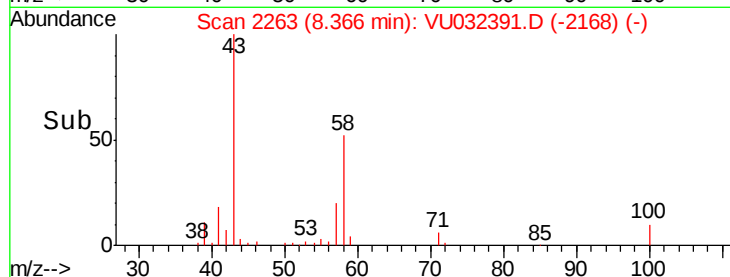
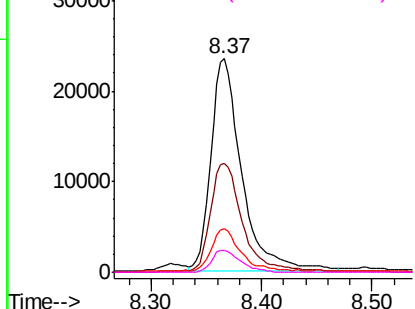
#48
2-Hexanone
Concen: 4.997 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032391.D
Acq: 03 Jun 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.508

Tgt Ion:	43	Resp:	45110
Ion	Ratio	Lower	Upper
43	100		
58	51.4	41.3	61.9
57	18.9	14.5	21.7
100	9.7	8.2	12.2

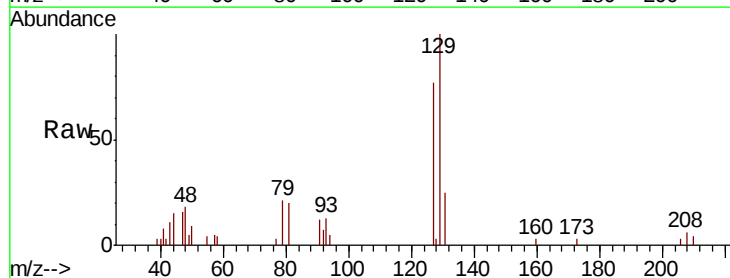


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

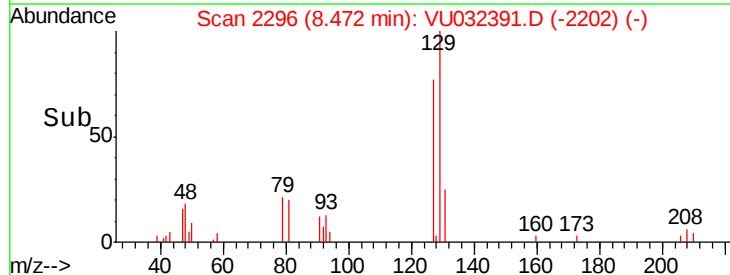
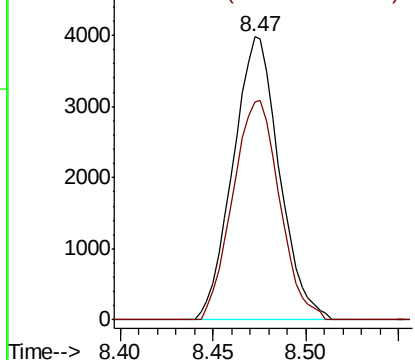


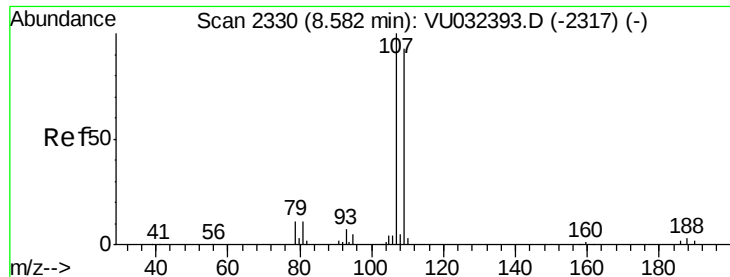
#49
Dibromochloromethane
Concen: 0.480 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032391.D
Acq: 03 Jun 2019 14:21

Tgt Ion:	129	Resp:	6915
Ion	Ratio	Lower	Upper
129	100		
127	76.8	52.6	97.8



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

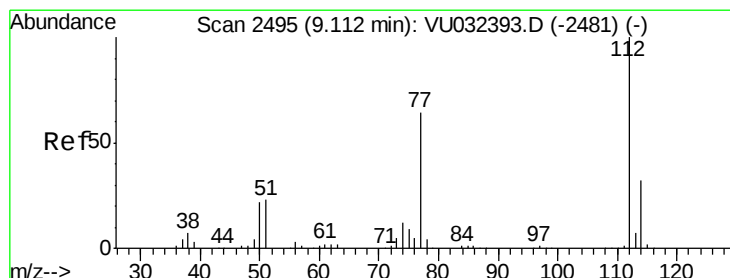
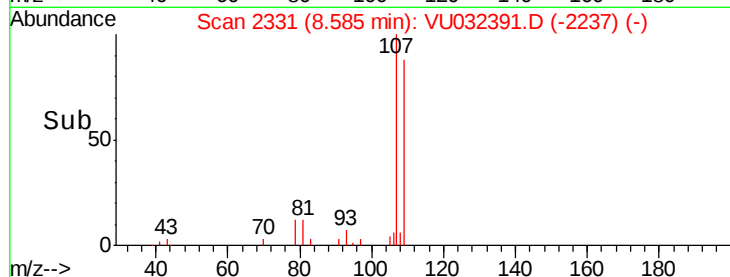
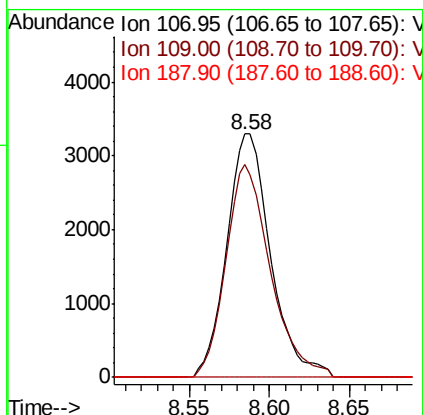
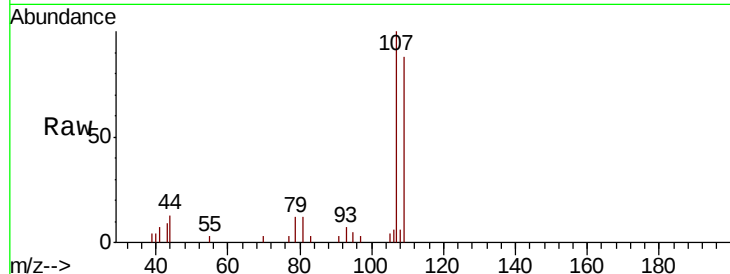




#50
1,2-Dibromoethane
Concen: 0.542 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU032391.D
Acq: 03 Jun 2019 14:21

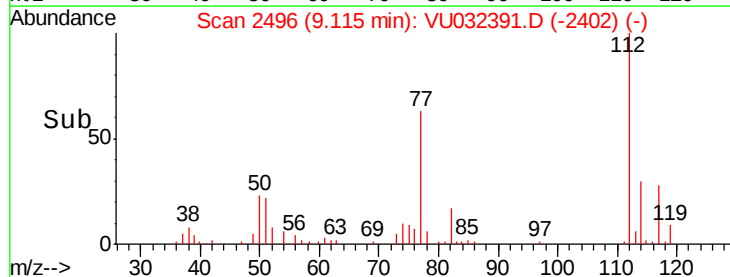
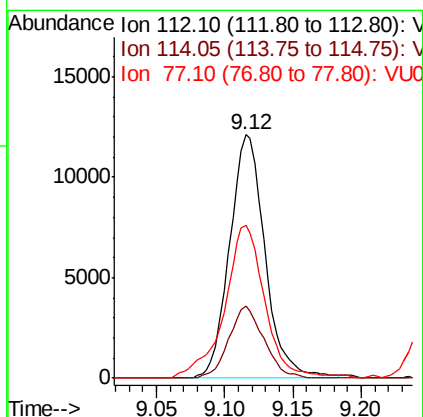
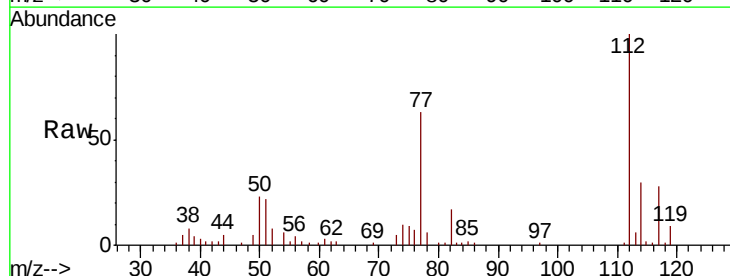
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.508

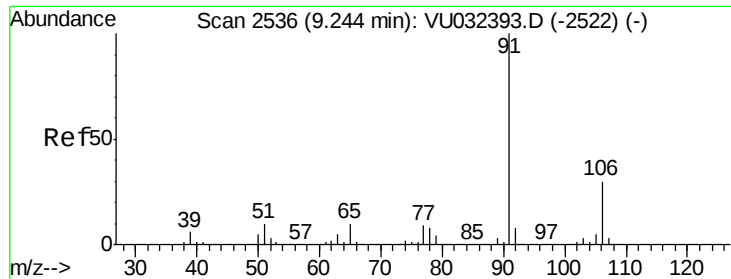
Tgt Ion:107 Resp: 6145
Ion Ratio Lower Upper
107 100
109 87.7 65.3 121.3
188 0.0 2.6 3.8#



#51
Chlorobenzene
Concen: 0.542 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032391.D
Acq: 03 Jun 2019 14:21

Tgt Ion:112 Resp: 21880
Ion Ratio Lower Upper
112 100
114 29.5 22.1 41.1
77 62.9 51.0 76.6





#52

Ethylbenzene

Concen: 0.513 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

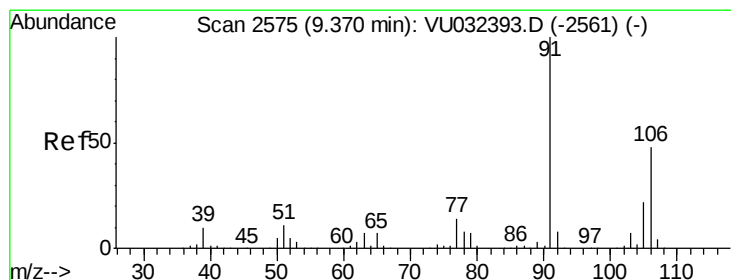
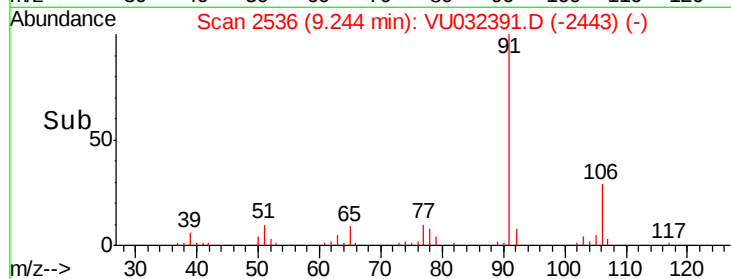
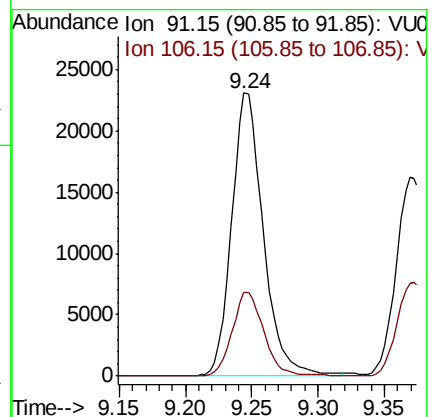
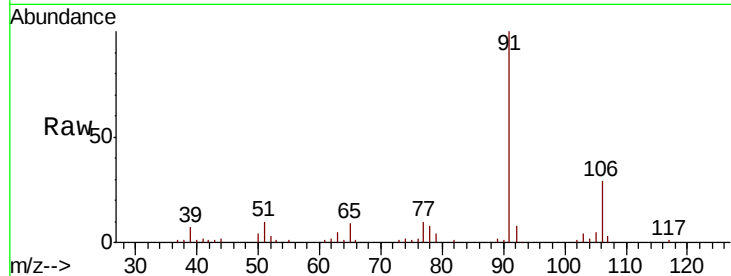
VSTD0.508

Tgt Ion: 91 Resp: 38372

Ion Ratio Lower Upper

91 100

106 29.5 21.1 39.3



#53

m,p-Xylene

Concen: 0.497 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032391.D

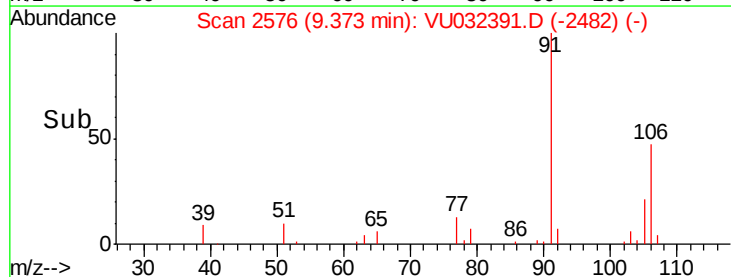
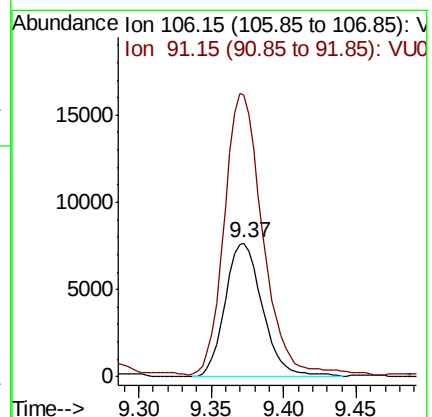
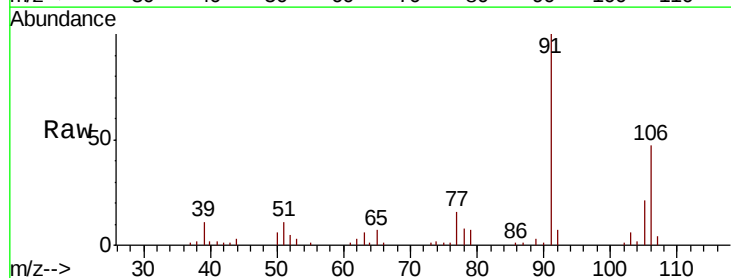
Acq: 03 Jun 2019 14:21

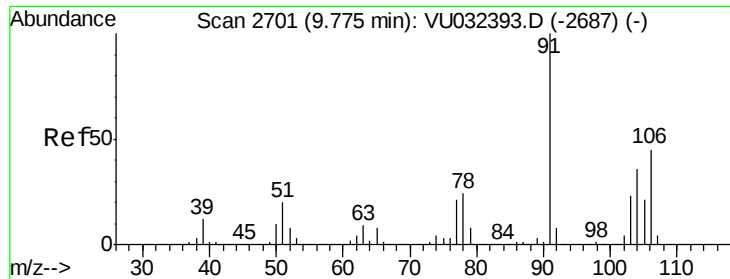
Tgt Ion: 106 Resp: 13779

Ion Ratio Lower Upper

106 100

91 210.6 144.8 269.0

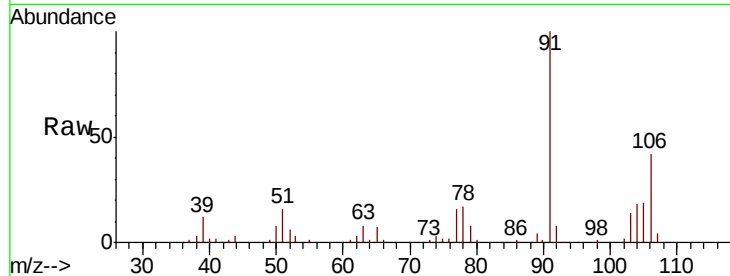




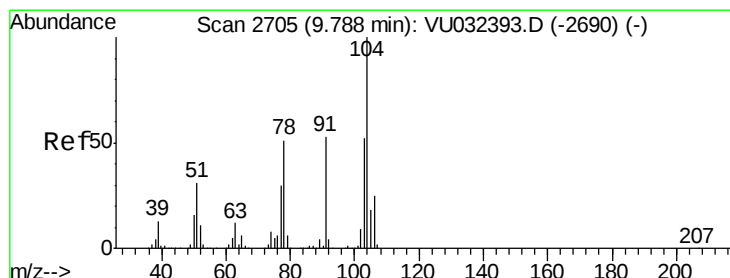
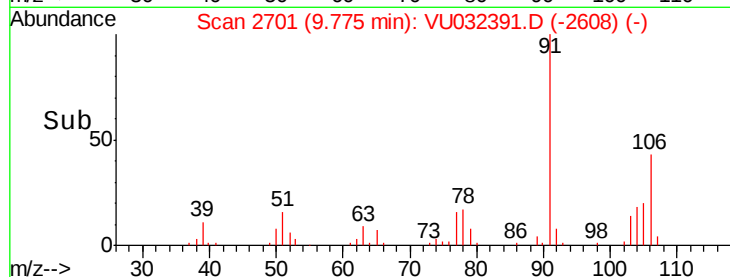
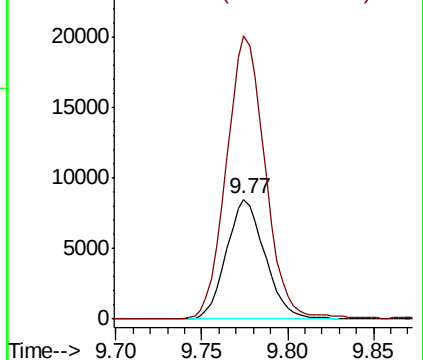
#54
o-Xylene
Concen: 0.485 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU032391.D
Acq: 03 Jun 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.508

Tgt Ion:106 Resp: 13281
Ion Ratio Lower Upper
106 100
91 235.7 156.9 291.3

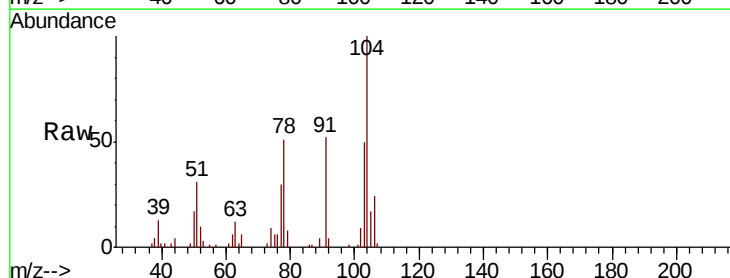


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

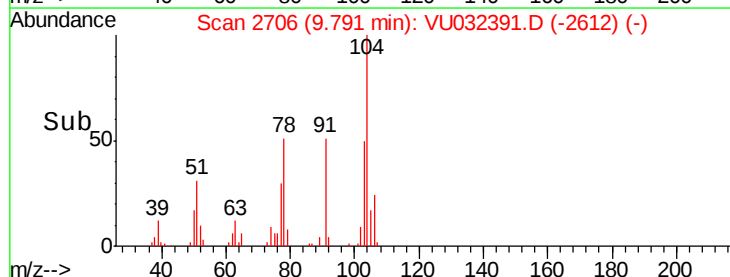
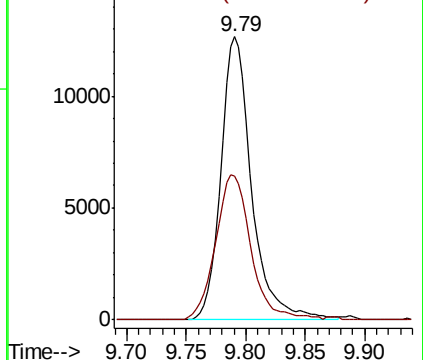


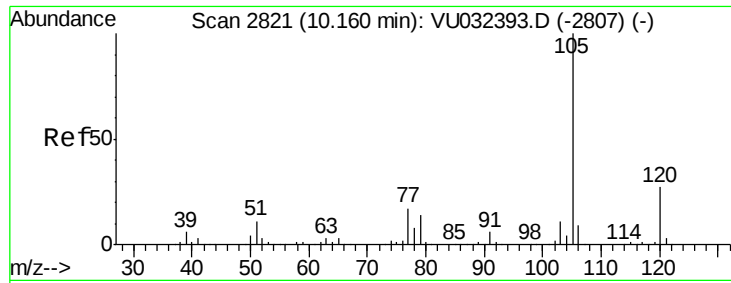
#55
Styrene
Concen: 0.491 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU032391.D
Acq: 03 Jun 2019 14:21

Tgt Ion:104 Resp: 22622
Ion Ratio Lower Upper
104 100
78 50.8 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: 0.514 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.508

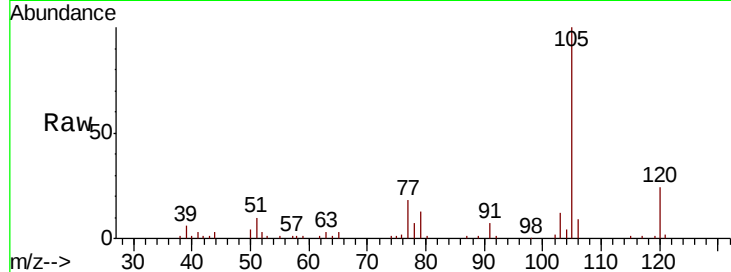
Tgt Ion: 105 Resp: 37073

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

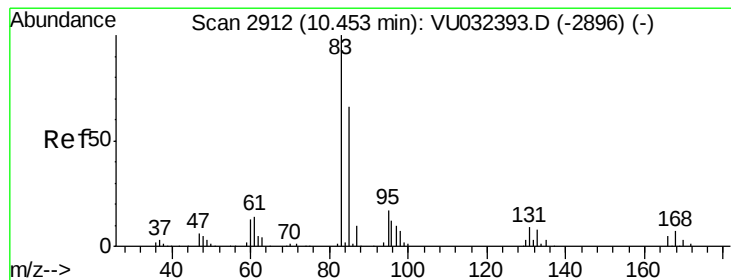
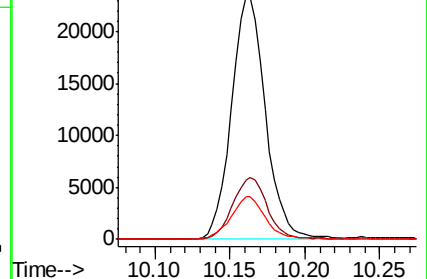
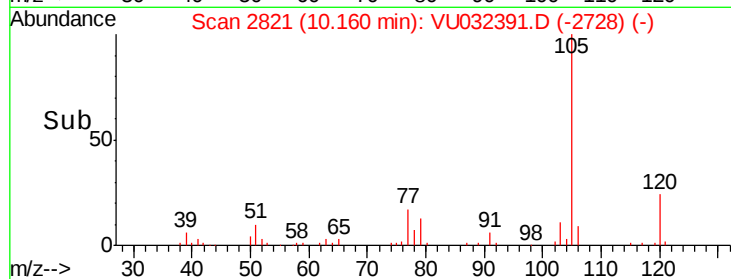
77 17.8 13.4 20.2



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: 0.522 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

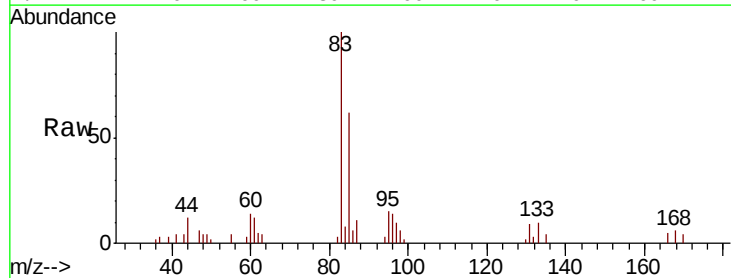
Tgt Ion: 83 Resp: 7895

Ion Ratio Lower Upper

83 100

85 61.5 46.5 86.5

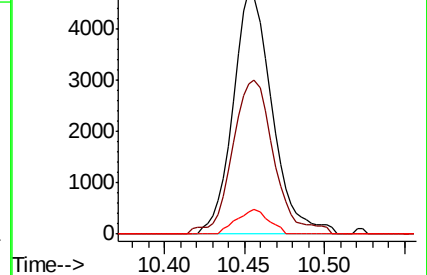
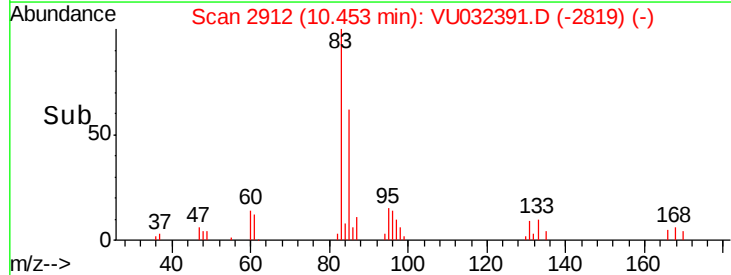
131 9.0 7.4 11.2

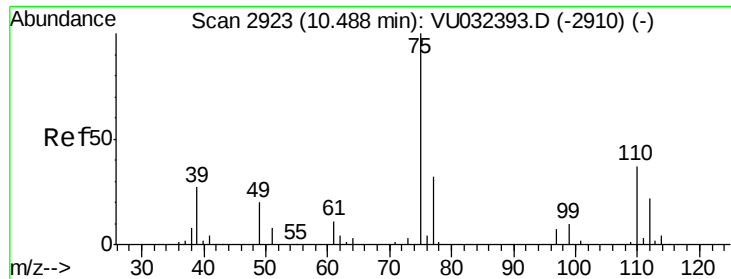


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

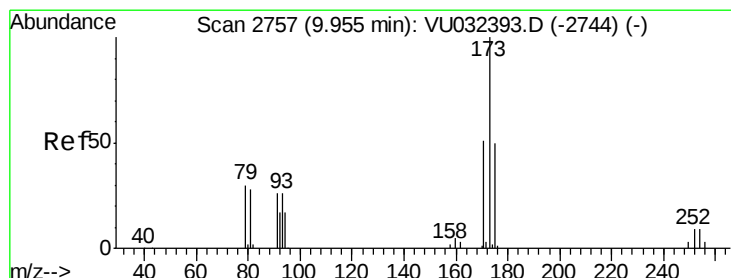
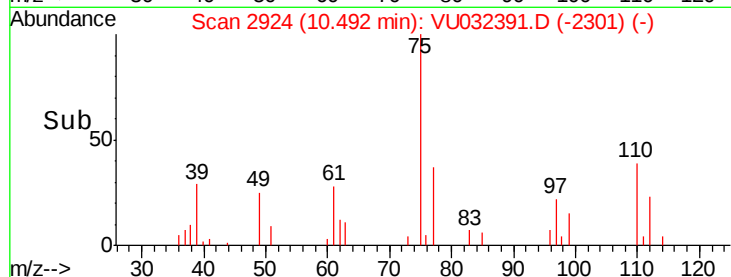
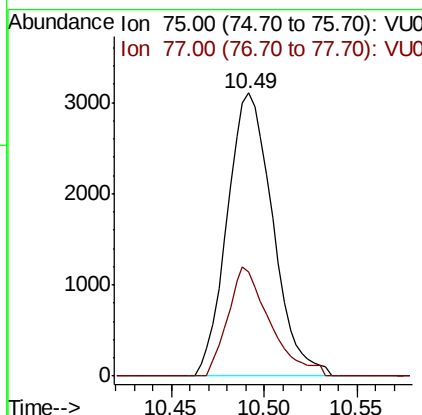
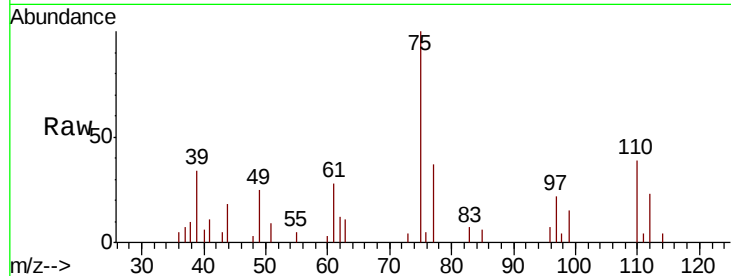




#59
 1,2,3-Trichloropropane
 Concen: 0.494 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

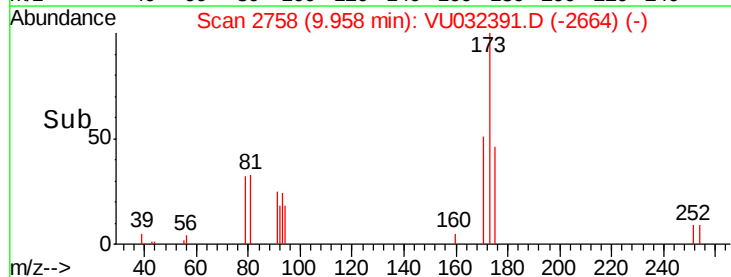
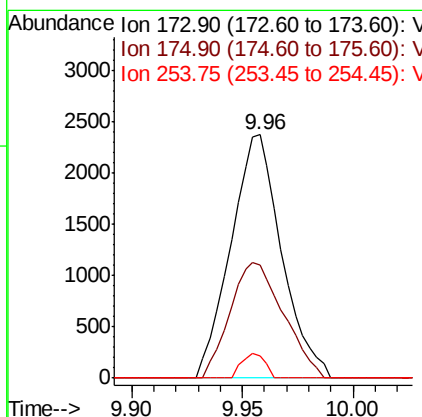
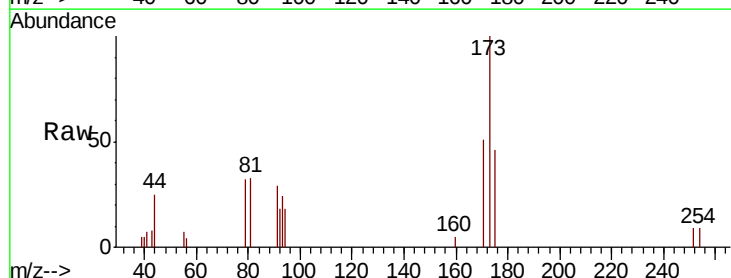
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.508

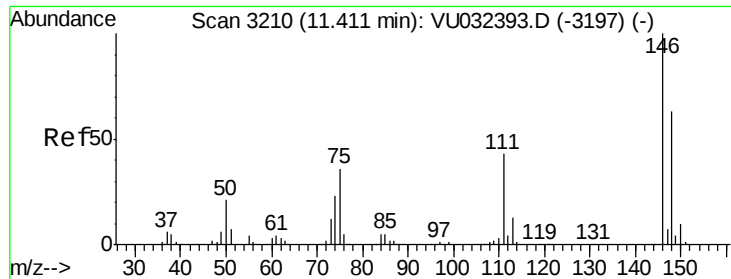
Tgt Ion: 75 Resp: 5306
 Ion Ratio Lower Upper
 75 100
 77 35.5 26.1 39.1



#61
 Bromoform
 Concen: 0.478 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Tgt Ion: 173 Resp: 3788
 Ion Ratio Lower Upper
 173 100
 175 49.8 38.6 58.0
 254 4.8 7.4 11.0#





#62

1,3-Dichlorobenzene

Concen: 0.523 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.508

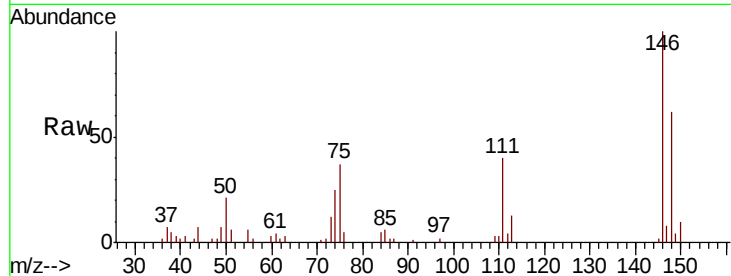
Tgt Ion:146 Resp: 15621

Ion Ratio Lower Upper

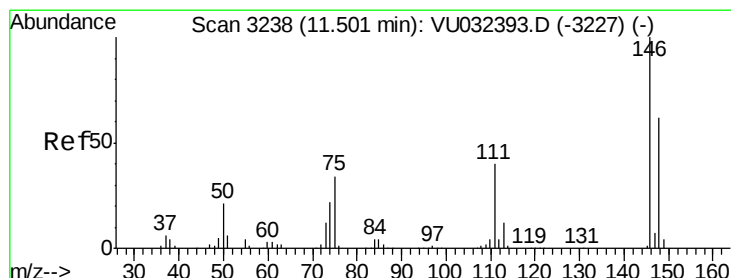
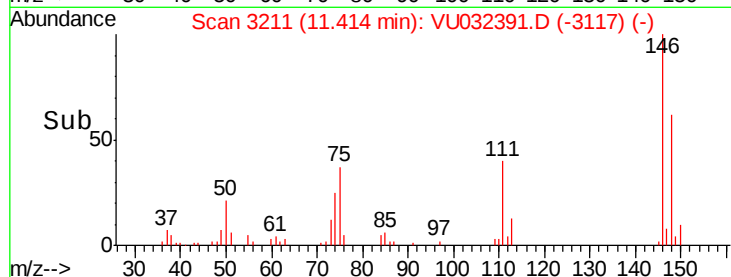
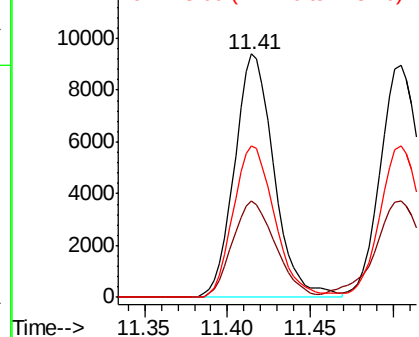
146 100

111 39.6 29.8 55.3

148 62.3 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: 0.534 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

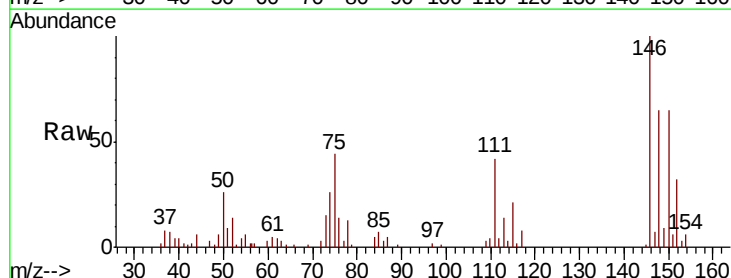
Tgt Ion:146 Resp: 15971

Ion Ratio Lower Upper

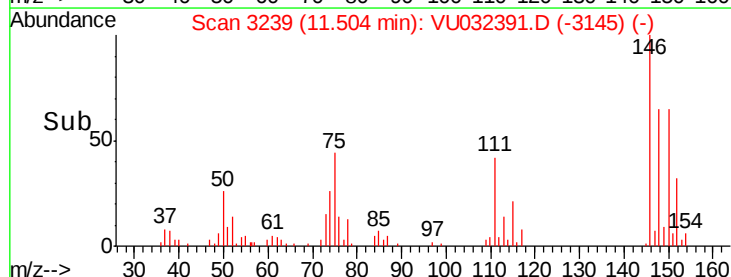
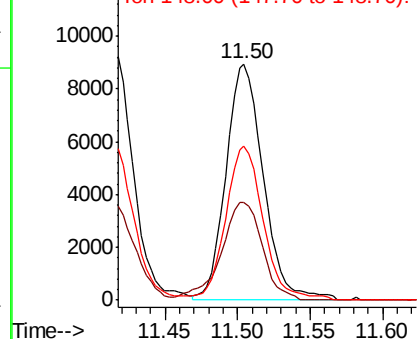
146 100

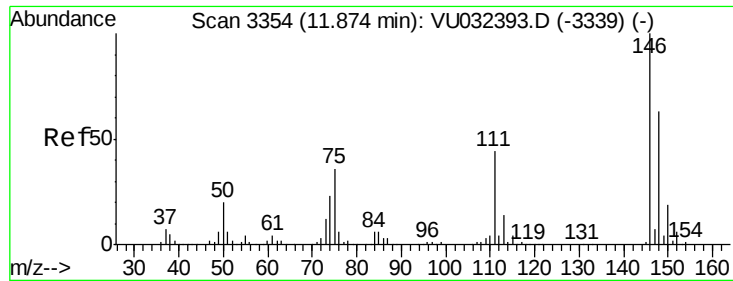
111 41.5 28.6 53.2

148 65.1 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: 0.520 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.508

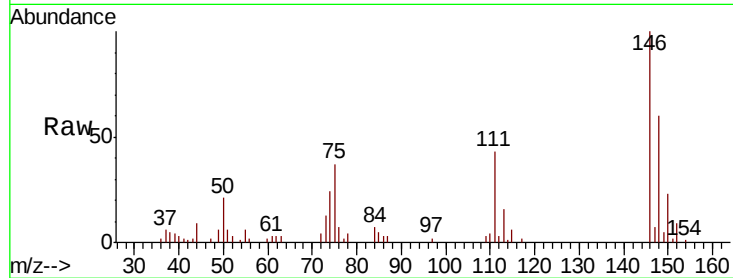
Tgt Ion:146 Resp: 14739

Ion Ratio Lower Upper

146 100

111 42.6 35.2 52.8

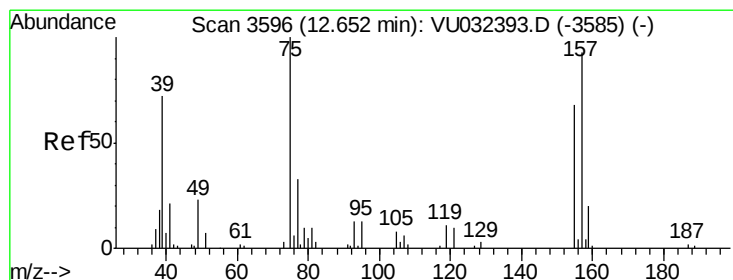
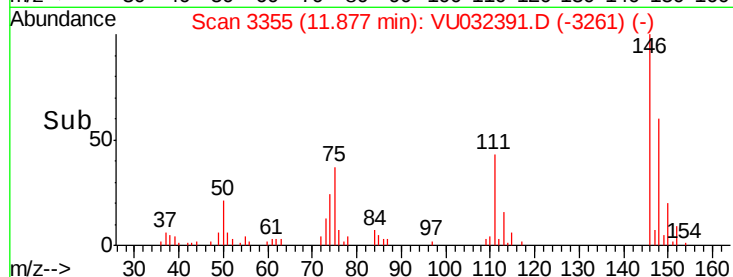
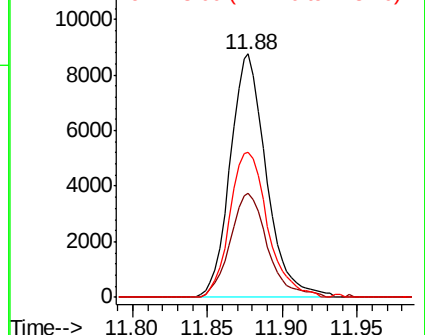
148 59.7 50.3 75.5



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: 0.466 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

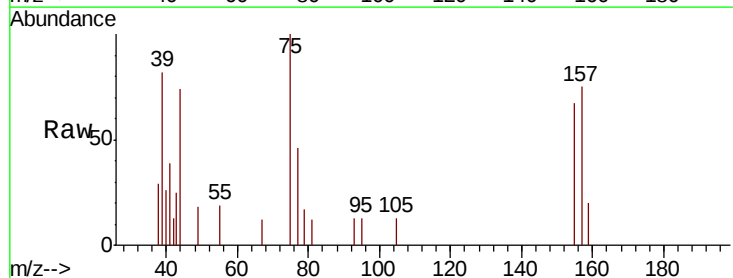
Tgt Ion: 75 Resp: 1301

Ion Ratio Lower Upper

75 100

155 67.5 54.8 82.2

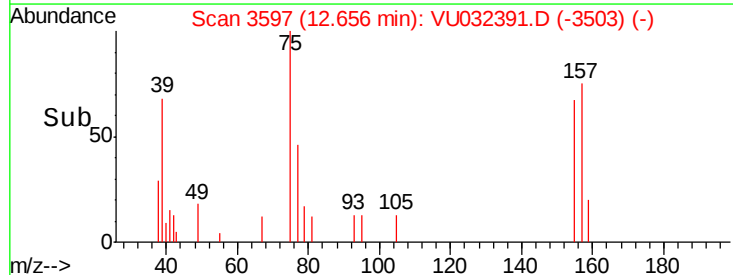
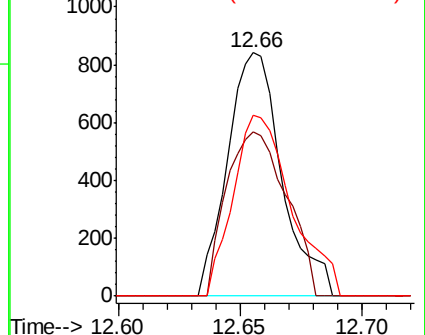
157 74.6 74.7 112.1#

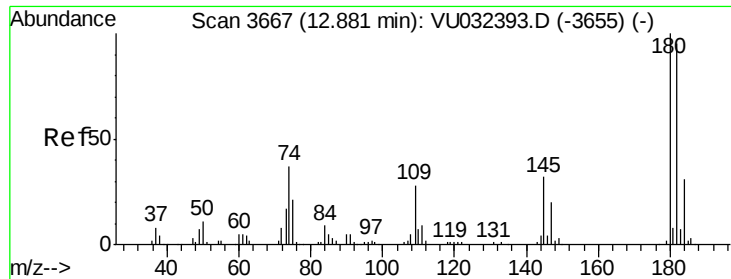


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

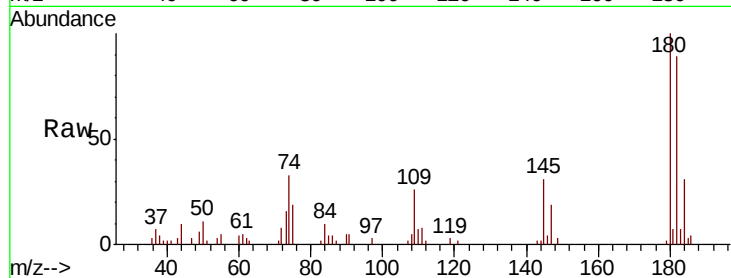




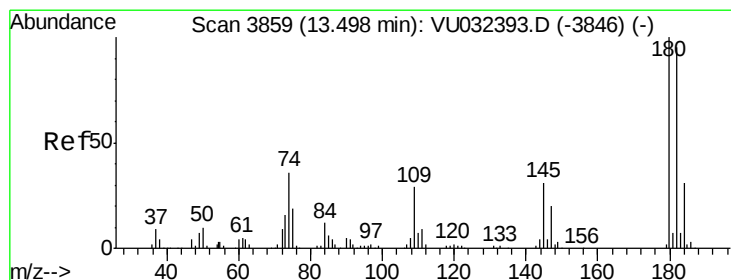
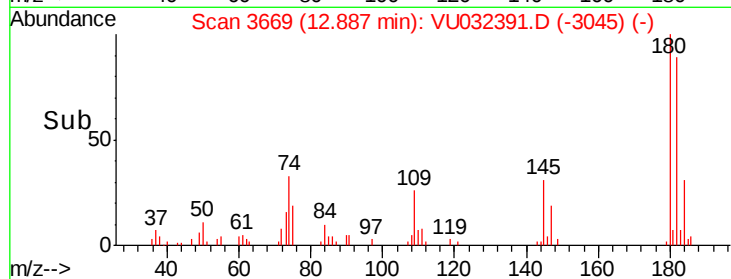
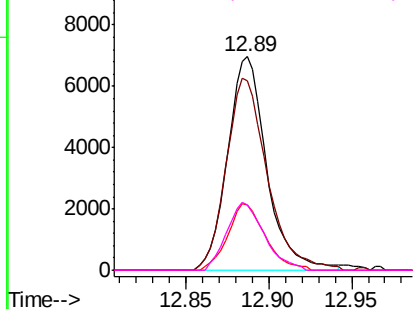
#67
 1,3,5-Trichlorobenzene
 Concen: 0.493 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.01 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.508

Tgt Ion:180 Resp: 11396
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.0 114.0
 184 29.7 24.5 36.7
 145 30.4 25.2 37.8

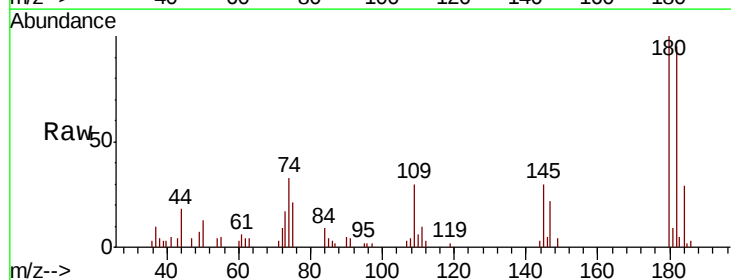


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

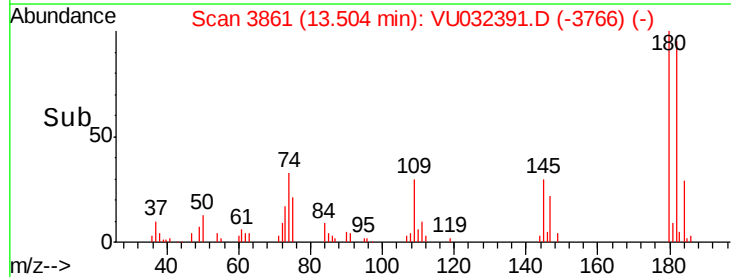
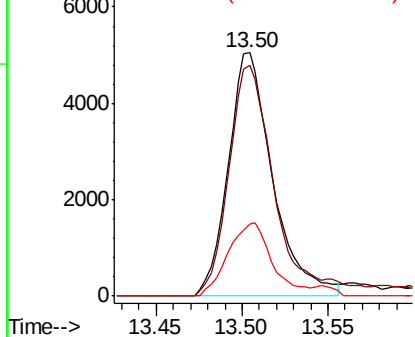


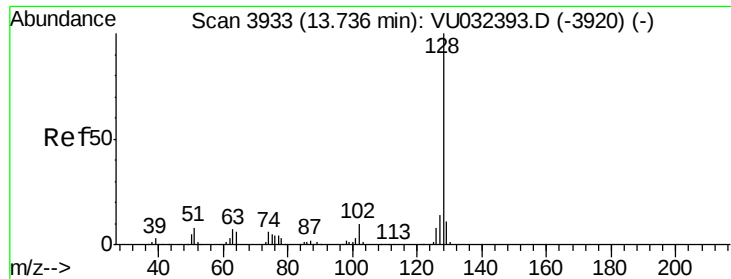
#68
 1,2,4-trichlorobenzene
 Concen: 0.452 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU032391.D
 Acq: 03 Jun 2019 14:21

Tgt Ion:180 Resp: 9061
 Ion Ratio Lower Upper
 180 100
 182 98.4 77.3 115.9
 145 29.8 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: 0.375 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.508

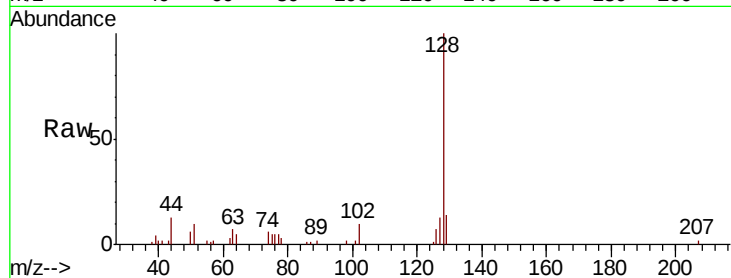
Tgt Ion:128 Resp: 14816

Ion Ratio Lower Upper

128 100

129 12.2 8.6 13.0

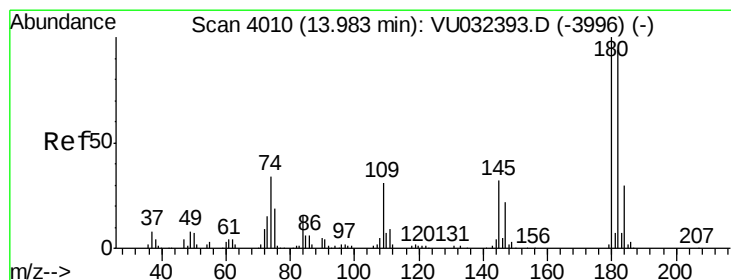
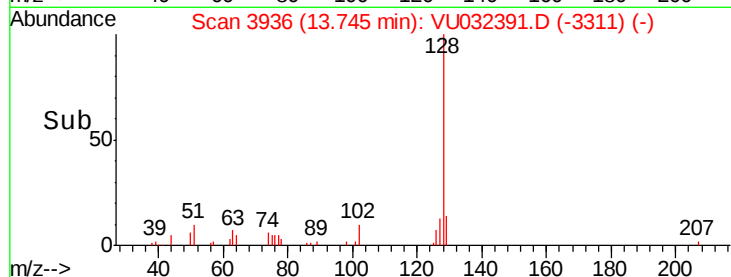
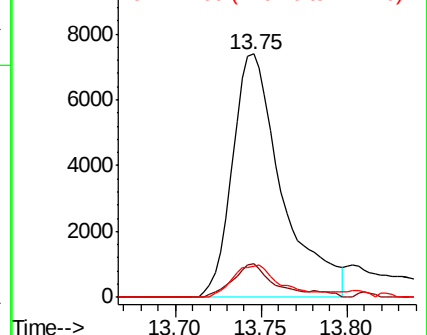
127 12.4 11.0 16.4



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: 0.485 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU032391.D

Acq: 03 Jun 2019 14:21

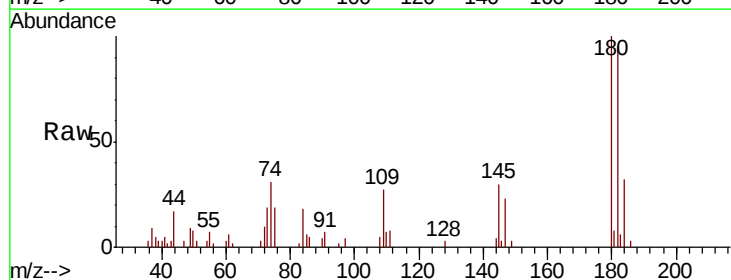
Tgt Ion:180 Resp: 9126

Ion Ratio Lower Upper

180 100

182 93.8 76.6 114.8

145 28.4 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

